

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049772.D
 Acq On : 12 Jul 2018 12:32
 Operator : MD\SY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:10 PM

Quant Time: Jul 12 15:47:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:09:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1306300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1879651	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1788135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	980557	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1433078	83.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	166.14%	
35) Dibromofluoromethane	7.59	113	1358956	96.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.42%	
50) Toluene-d8	10.09	98	4750527	86.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	172.74%	
62) 4-Bromofluorobenzene	12.40	95	1824051	97.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	194.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	1097984	74.58	ug/l	97
3) Chloromethane	2.06	50	1482388	80.62	ug/l	99
4) Vinyl Chloride	2.18	62	1618519	81.96	ug/l	98
5) Bromomethane	2.55	94	1004398	96.83	ug/l	100
6) Chloroethane	2.70	64	1044365	83.55	ug/l	98
7) Trichlorofluoromethane	3.01	101	2216544	98.26	ug/l	100
8) Diethyl Ether	3.41	74	821555	89.85	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1409306	86.84	ug/l	100
10) Methyl Iodide	3.95	142	2128906	104.82	ug/l	100
11) Tert butyl alcohol	4.80	59	501974	507.08	ug/l	99
12) 1,1-Dichloroethene	3.74	96	1297413	84.56	ug/l	98
13) Acrolein	3.61	56	451618	488.41	ug/l	97
14) Allyl chloride	4.33	41	2192355	104.03	ug/l	99
15) Acrylonitrile	5.00	53	2525578	493.97	ug/l	99
16) Acetone	3.82	43	1858258	434.92	ug/l	99
17) Carbon Disulfide	4.05	76	3524016	75.77	ug/l	99
18) Methyl Acetate	4.33	43	1230249	47.33	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	3856857	97.51	ug/l	99
20) Methylene Chloride	4.55	84	1524746	85.83	ug/l	97
21) trans-1,2-Dichloroethene	5.05	96	1408415	89.19	ug/l	100
22) Diisopropyl ether	5.96	45	4728866	99.18	ug/l	95
23) Vinyl Acetate	5.90	43	16290825	526.86	ug/l	100
24) 1,1-Dichloroethane	5.85	63	2728442	90.83	ug/l	99
25) 2-Butanone	6.84	43	2945813	514.38	ug/l	99
26) 2,2-Dichloropropane	6.83	77	2327022	93.27	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	1672289	94.81	ug/l	100
28) Bromochloromethane	7.20	49	1258084	98.68	ug/l	98
29) Tetrahydrofuran	7.22	42	1873202	513.19	ug/l	100
30) Chloroform	7.37	83	2793669	91.23	ug/l	99
31) Cyclohexane	7.65	56	2292710	77.51	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	2415702	93.18	ug/l	99
36) 1,1-Dichloropropene	7.80	75	2087584	98.72	ug/l	100
37) Ethyl Acetate	6.93	43	1283656	104.07	ug/l	99
38) Carbon Tetrachloride	7.78	117	2122989	103.20	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	2303137	99.33	ug/l	99
40) Benzene	8.04	78	6272122	97.13	ug/l	100
41) Methacrylonitrile	7.18	41	718407	103.33	ug/l	94
42) 1,2-Dichloroethane	8.13	62	1994282	96.77	ug/l	100
43) Isopropyl Acetate	8.17	43	2337747	80.22	ug/l	96
44) Trichloroethene	8.84	130	1649922	84.73	ug/l	100
45) 1,2-Dichloropropane	9.12	63	1675208	100.41	ug/l	100
46) Dibromomethane	9.21	93	991212	98.21	ug/l	99
47) Bromodichloromethane	9.41	83	2178116	101.38	ug/l	98
48) Methyl methacrylate	9.20	41	1189406	108.52	ug/l	99
49) 1,4-Dioxane	9.20	88	310389	2106.39	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	6550204	541.64	ug/l	99
52) Toluene	10.16	92	3967923	101.71	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	2322909	112.91	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	2610181	108.56	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	1457887	100.37	ug/l	100
56) Ethyl methacrylate	10.43	69	1953400	114.73	ug/l	98
57) 1,3-Dichloropropane	10.71	76	2451838	104.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	4680113	590.47	ug/l	100
59) 2-Hexanone	10.75	43	4517257	564.89	ug/l	99
60) Dibromochloromethane	10.90	129	1707344	108.75	ug/l	99
61) 1,2-Dibromoethane	11.01	107	1440030	103.47	ug/l	99
64) Tetrachloroethene	10.63	164	1464081	60.47	ug/l	100
65) Chlorobenzene	11.44	112	4443830	95.27	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	1677789	100.10	ug/l	100
67) Ethyl Benzene	11.51	91	7756493	100.59	ug/l	100
68) m/p-Xylenes	11.62	106	5905945	199.86	ug/l	99
69) o-Xylene	11.95	106	2863658	101.22	ug/l	98
70) Styrene	11.97	104	4804588	104.96	ug/l	100
71) Bromoform	12.13	173	1218304	109.39	ug/l	100
73) Isopropylbenzene	12.25	105	7697333	98.55	ug/l	100
74) N-amyl acetate	12.07	43	2171306	101.77	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	1840187	99.77	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1566930m	99.64	ug/l	
77) Bromobenzene	12.53	156	1987747	93.59	ug/l	99
78) n-propylbenzene	12.59	91	8914345	99.58	ug/l	99
79) 2-Chlorotoluene	12.68	91	5258636	92.82	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	6341186	97.70	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	570352	123.18	ug/l	98
82) 4-Chlorotoluene	12.77	91	5325360	93.49	ug/l	99
83) tert-Butylbenzene	12.99	119	5568981	99.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	6533072	97.96	ug/l	100
85) sec-Butylbenzene	13.17	105	7460657	100.99	ug/l	100
86) p-Isopropyltoluene	13.29	119	6559130	102.51	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	3568294	91.00	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	3485341	89.04	ug/l	99
89) n-Butylbenzene	13.62	91	5650673	103.15	ug/l	99
90) Hexachloroethane	13.88	117	1216500	181.00	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	3413742	89.57	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	279907	86.97	ug/l	95

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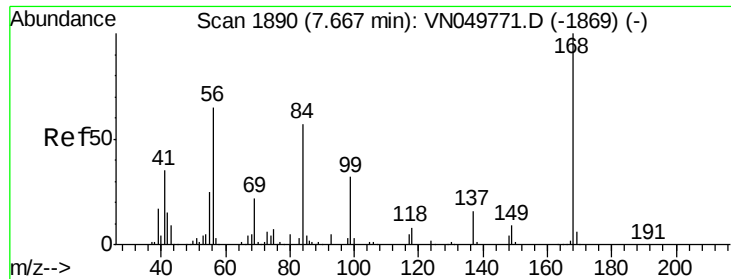
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2001496	114.05	ug/l	99
94) Hexachlorobutadiene	15.01	225	1092229	89.73	ug/l	99
95) Naphthalene	15.14	128	4397691	116.79	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	1928026	106.78	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 1306300

Ion Ratio Lower Upper

168 100

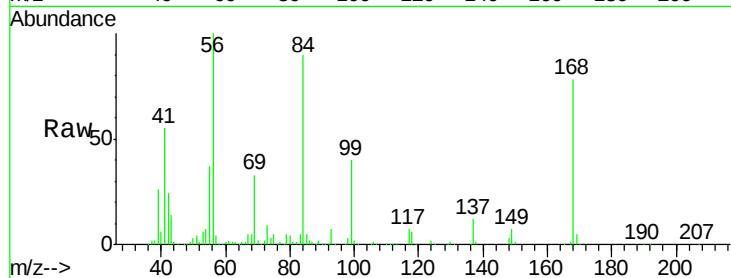
99 51.1 40.6 61.0

Manual Integrations

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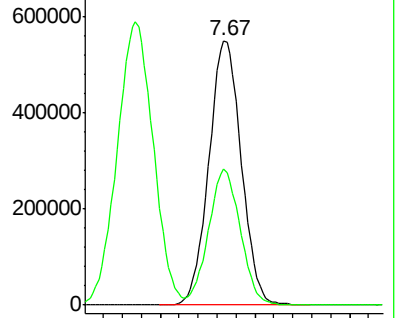
MMDadoda

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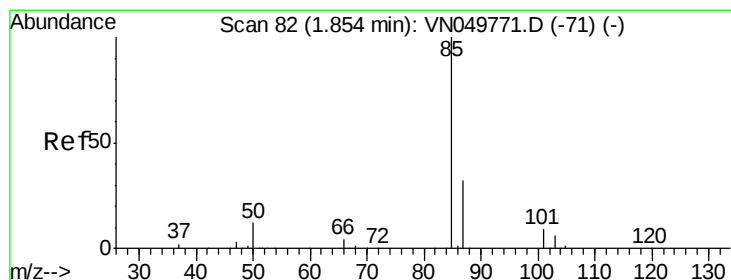
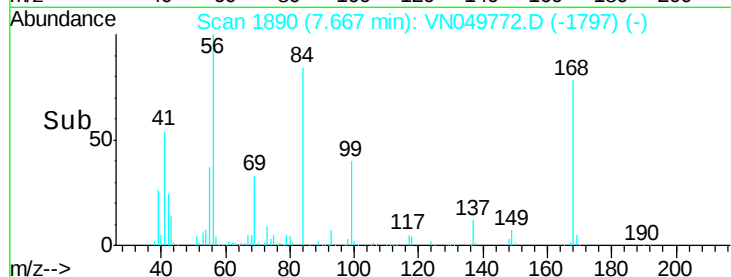


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 74.58 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049772.D

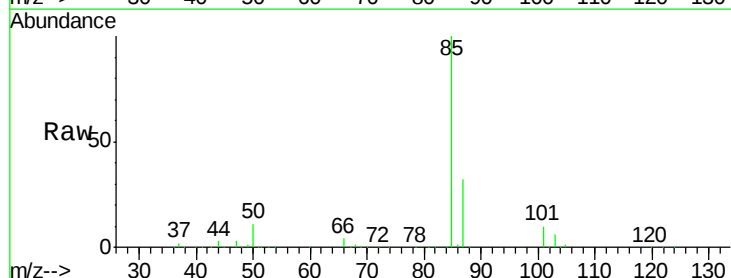
Acq: 12 Jul 2018 12:32

Tgt Ion: 85 Resp: 1097984

Ion Ratio Lower Upper

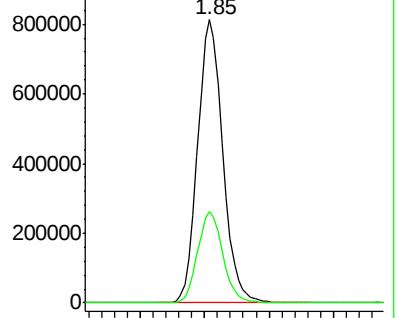
85 100

87 32.4 15.4 46.1

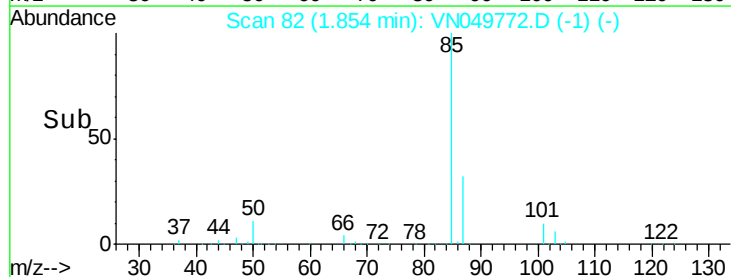


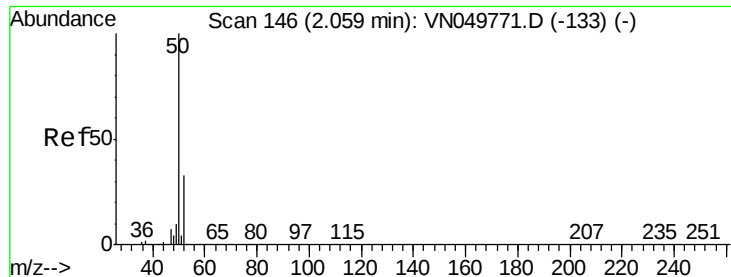
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 80.62 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 50 Resp: 1482388

Ion Ratio Lower Upper

50 100

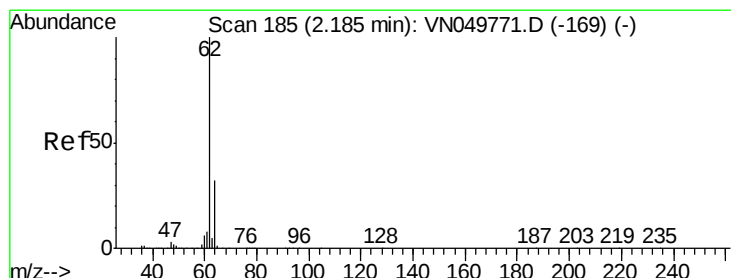
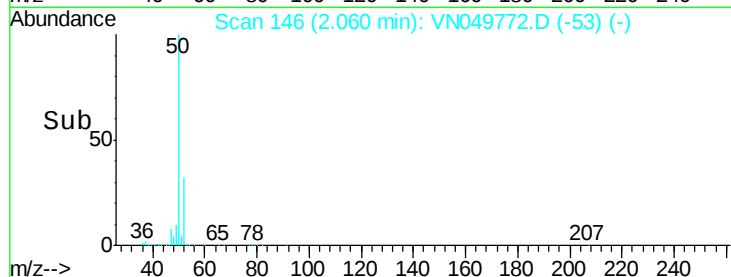
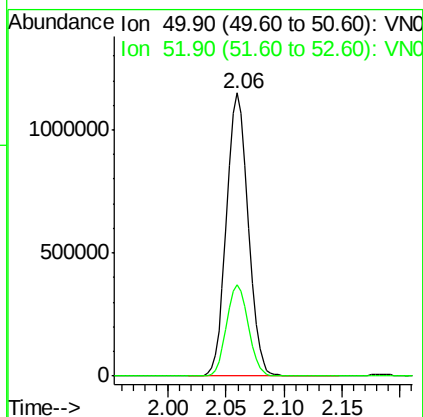
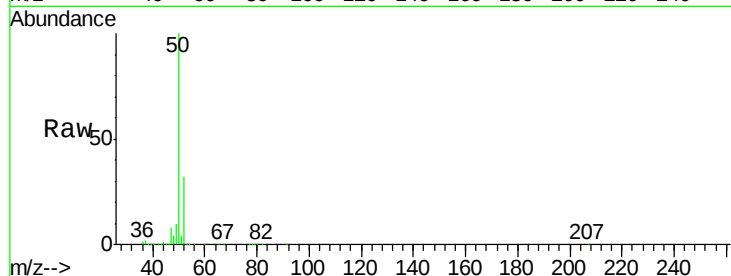
52 32.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 81.96 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049772.D

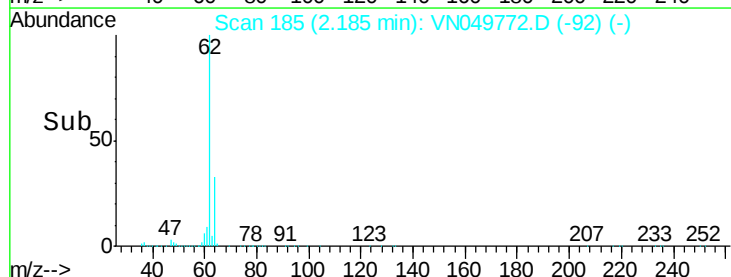
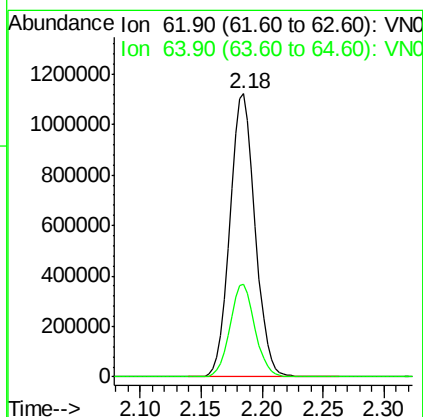
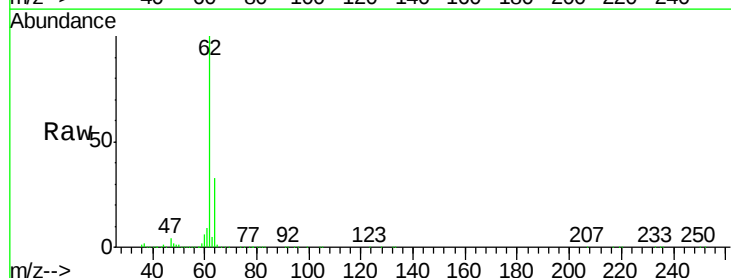
Acq: 12 Jul 2018 12:32

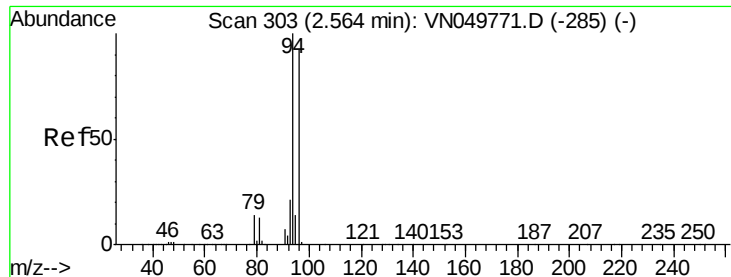
Tgt Ion: 62 Resp: 1618519

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 96.83 ug/l

RT: 2.55 min Scan# 299

Delta R.T. -0.01 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 1004398

Ion Ratio Lower Upper

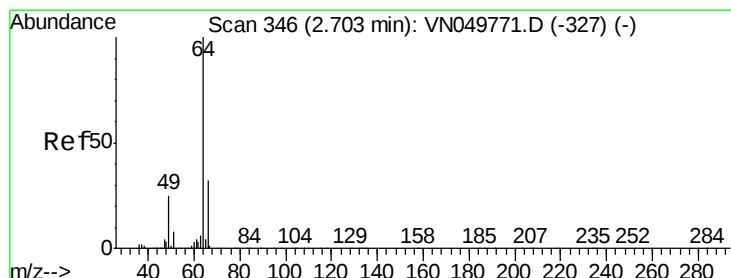
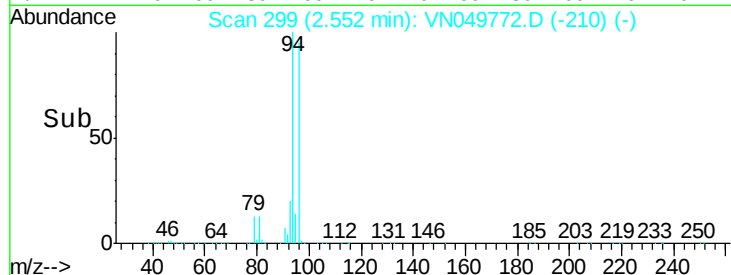
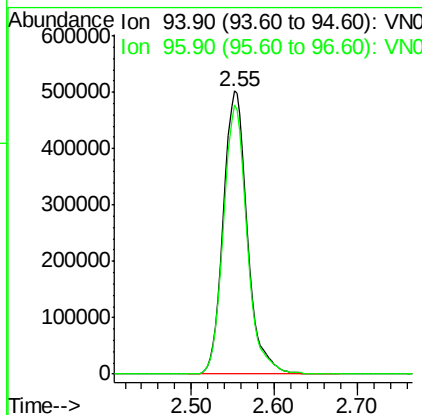
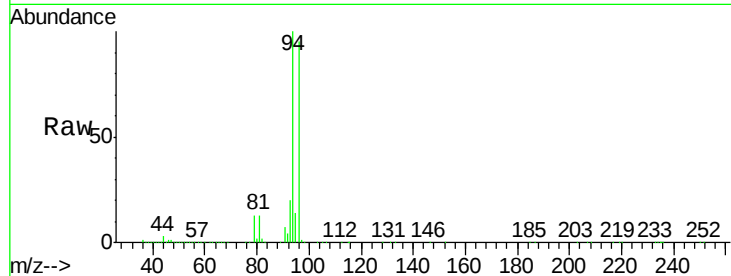
94 100

96 95.0 75.7 113.5

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#6

Chloroethane

Concen: 83.55 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.01 min

Lab File: VN049772.D

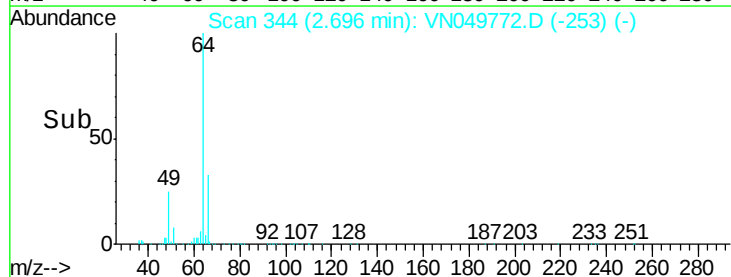
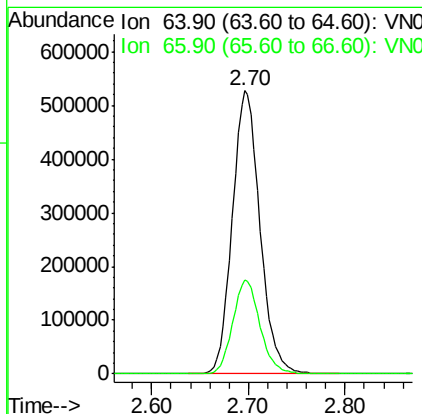
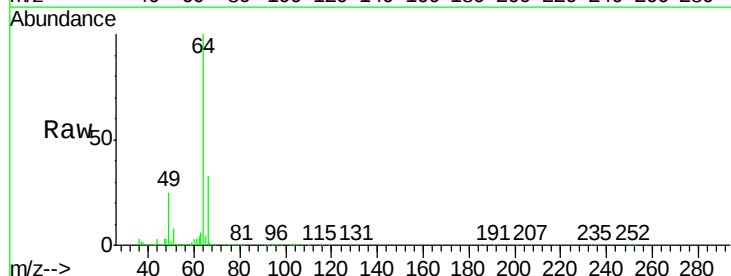
Acq: 12 Jul 2018 12:32

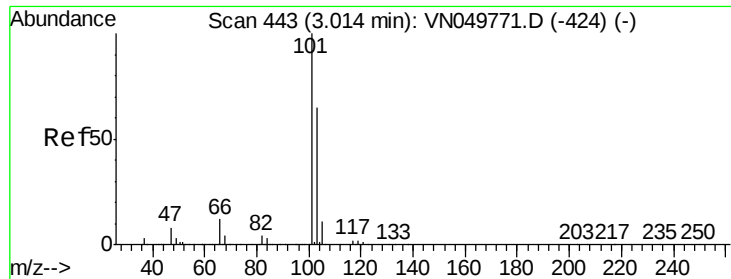
Tgt Ion: 64 Resp: 1044365

Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4





#7

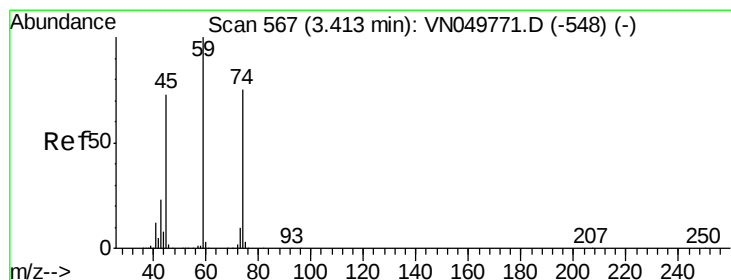
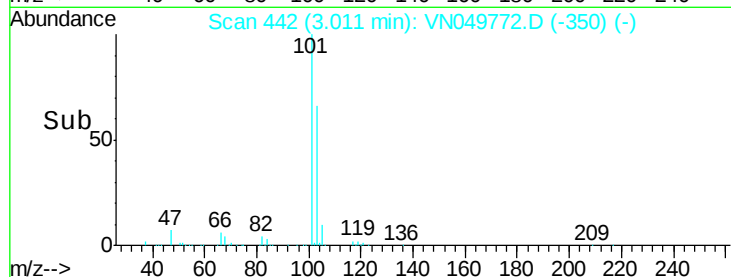
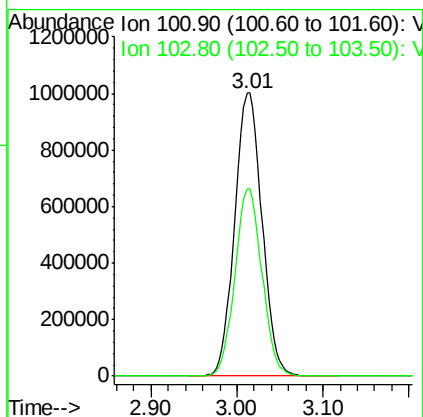
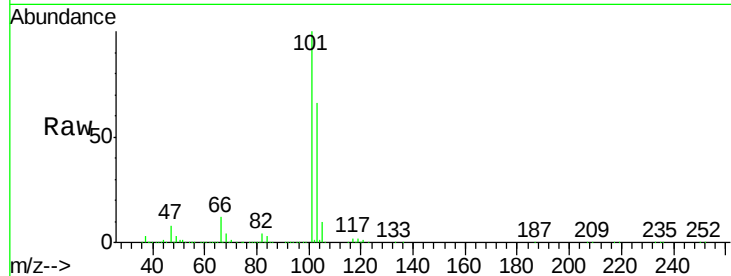
Trichlorofluoromethane
 Concen: 98.26 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:101 Resp: 2216544
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.8 79.2

Manual Integrations
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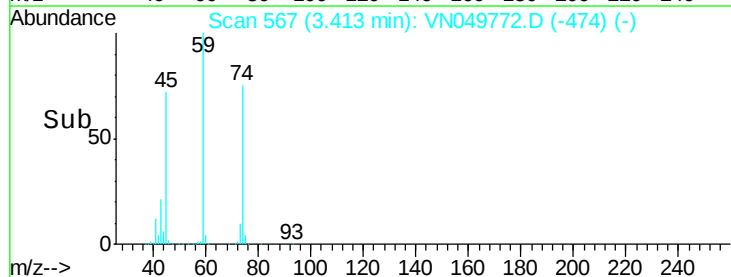
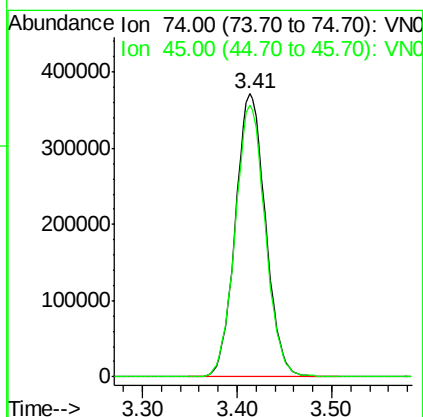
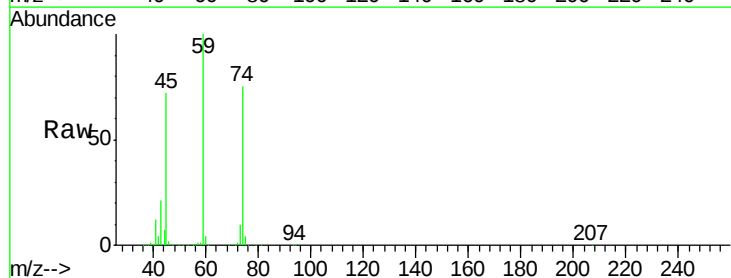
MMDadoda
 7/13/2018 1:35:10 PM

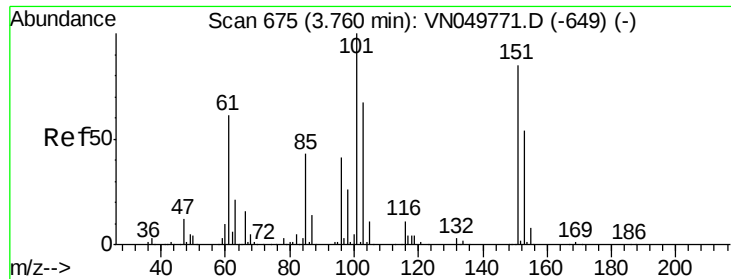


#8

Diethyl Ether
 Concen: 89.85 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion: 74 Resp: 821555
 Ion Ratio Lower Upper
 74 100
 45 95.9 48.4 145.2





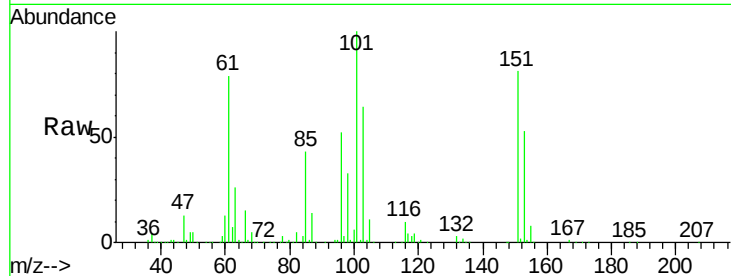
#9
1,1,2-Trichlorotrifluoroethane
Concen: 86.84 ug/l
RT: 3.76 min Scan# 674
Delta R.T. -0.00 min
Lab File: VN049772.D
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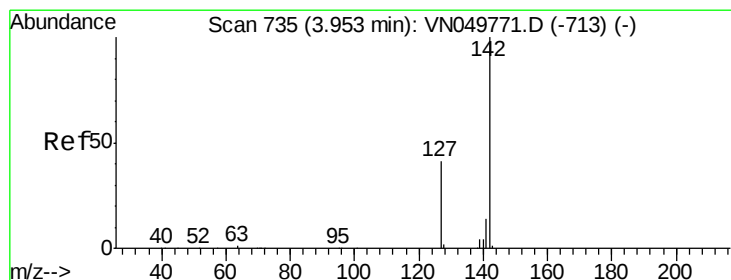
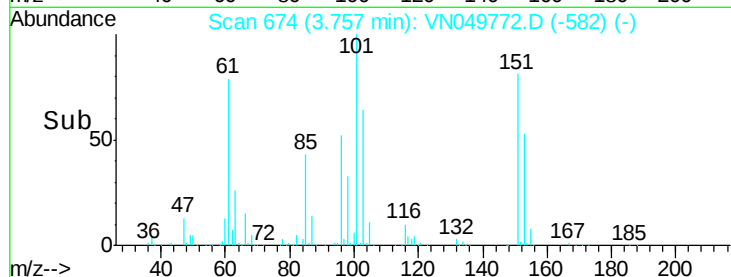
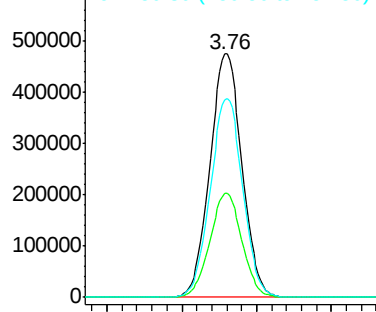
Tot Ion:101 Resp: 1409306
Ion Ratio Lower Upper
101 100
85 42.7 34.4 51.6
151 82.7 66.2 99.4

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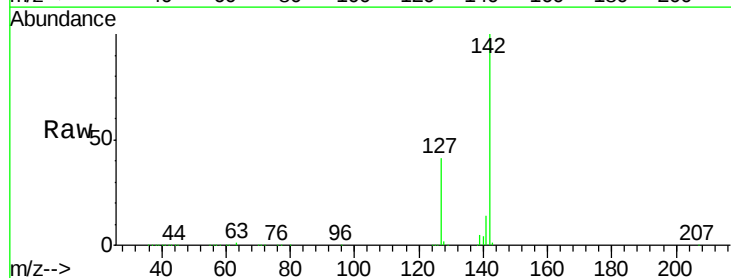


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V

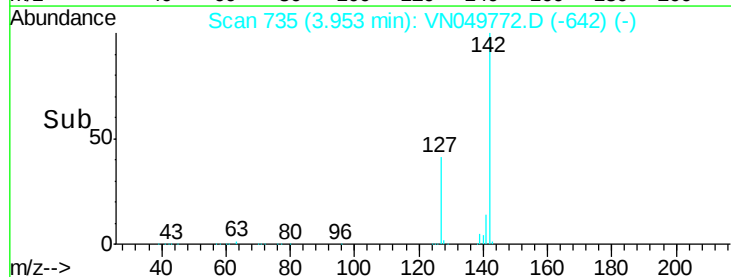
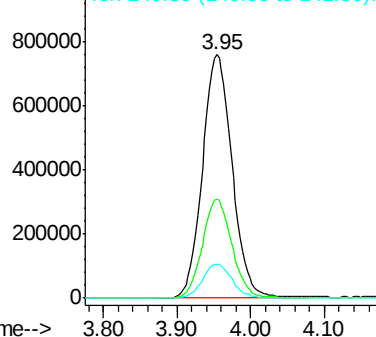


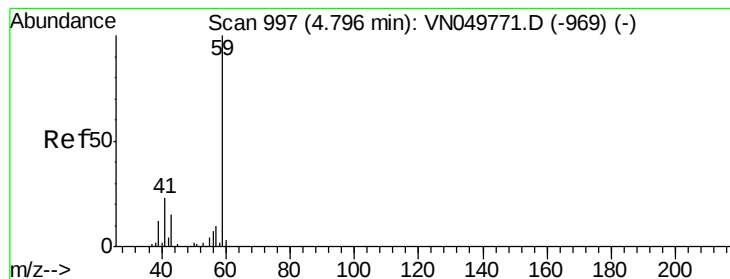
#10
Methyl Iodide
Concen: 104.82 ug/l
RT: 3.95 min Scan# 735
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion:142 Resp: 2128906
Ion Ratio Lower Upper
142 100
127 40.7 32.5 48.7
141 14.0 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

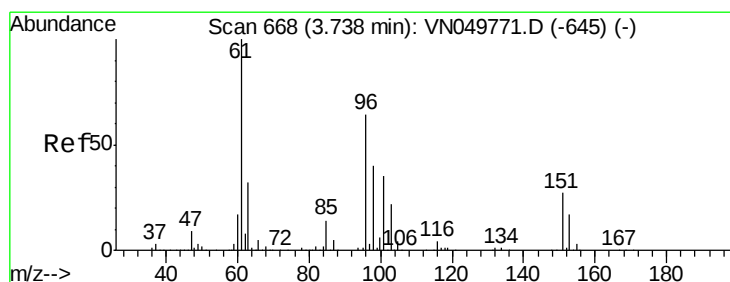
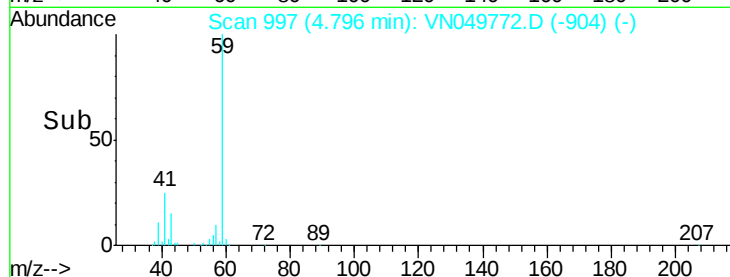
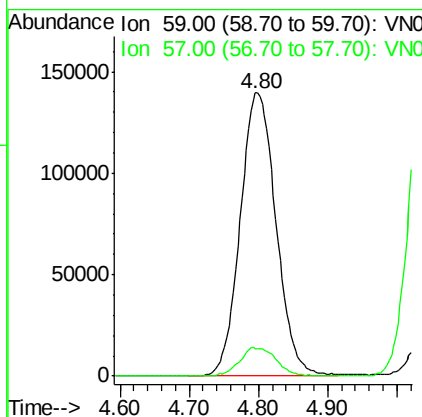
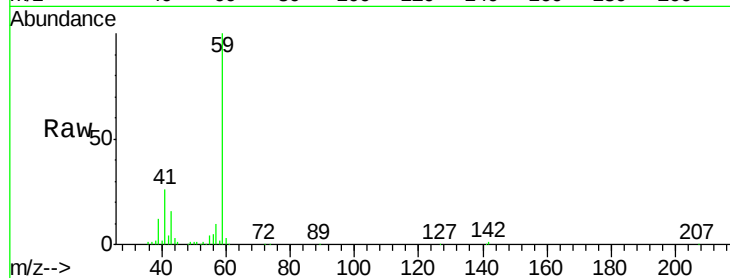
Tert butyl alcohol
Concen: 507.08 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 59 Resp: 501974
Ion Ratio Lower Upper
59 100
57 10.3 8.5 12.7

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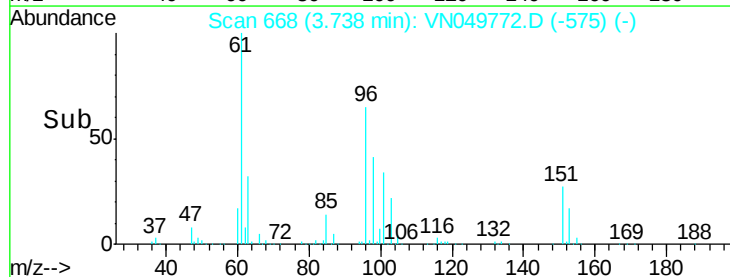
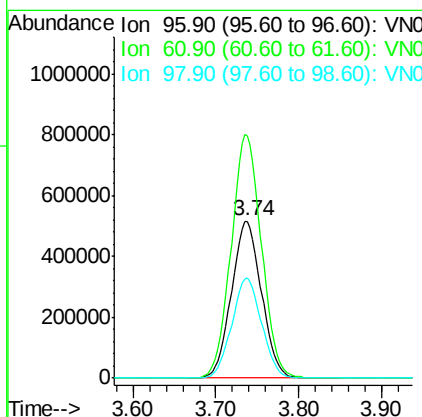
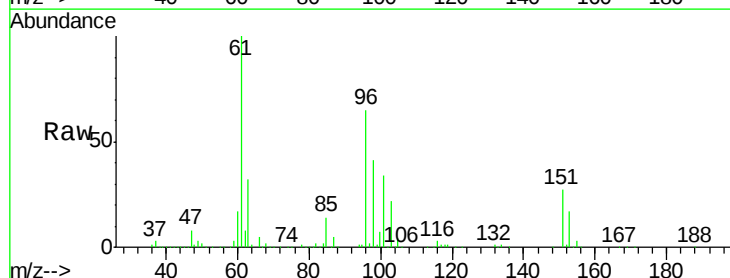
MMDadoda
7/13/2018 1:35:10 PM

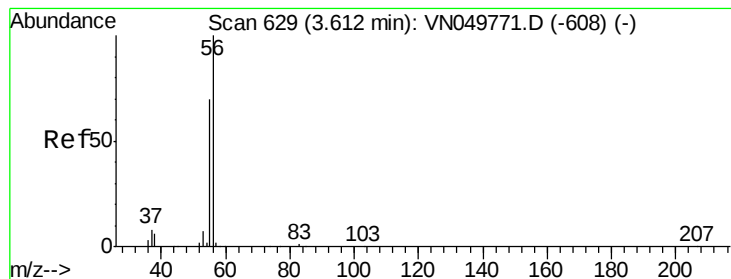


#12

1,1-Dichloroethene
Concen: 84.56 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion: 96 Resp: 1297413
Ion Ratio Lower Upper
96 100
61 154.6 126.5 189.7
98 63.6 51.0 76.6





#13

Acrolein

Concen: 488.41 ug/l

RT: 3.61 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 451618

Ion Ratio Lower Upper

56 100

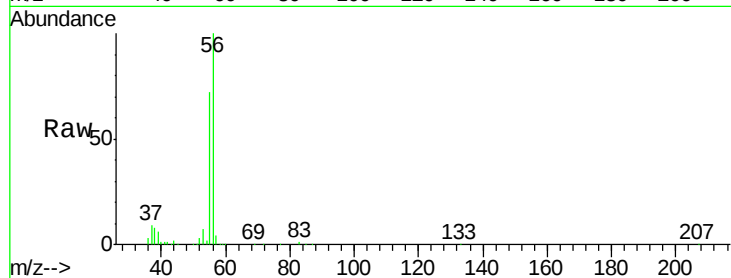
55 72.0 55.8 83.8

Manual Integrations

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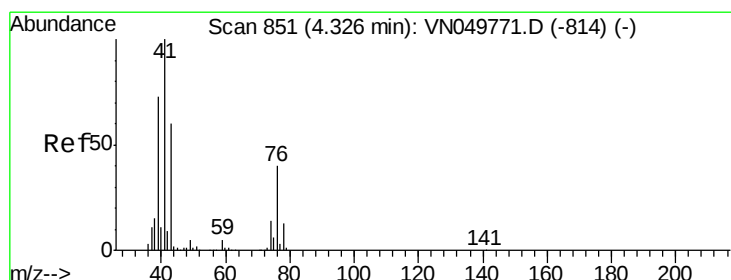
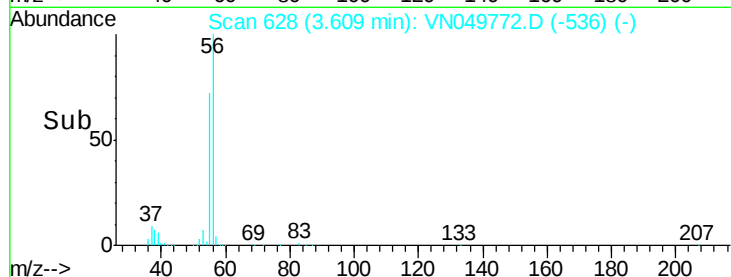
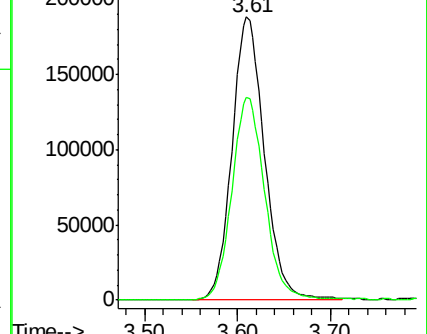
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 104.03 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

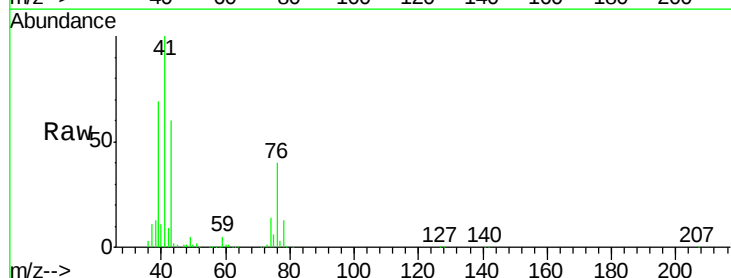
Tgt Ion: 41 Resp: 2192355

Ion Ratio Lower Upper

41 100

39 66.2 53.2 79.8

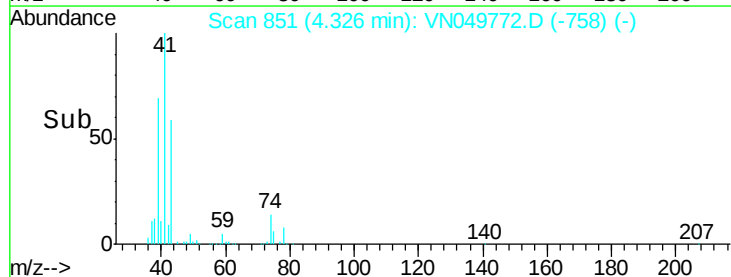
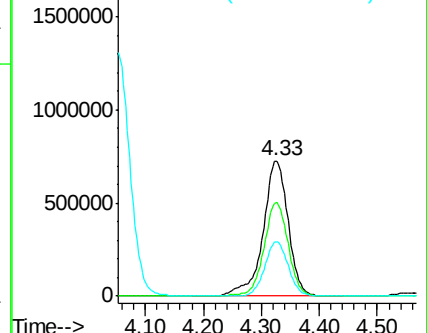
76 37.5 29.0 43.6

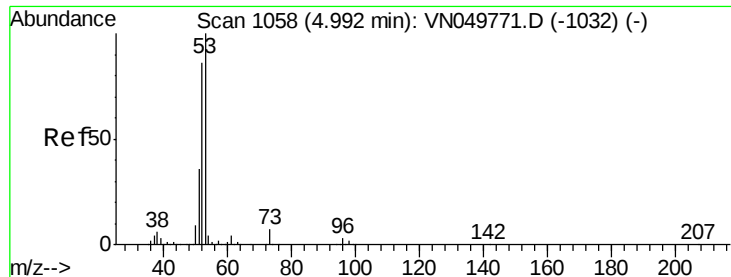


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 493.97 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC100

Tot Ion: 53 Resp: 2525578

Ion Ratio Lower Upper

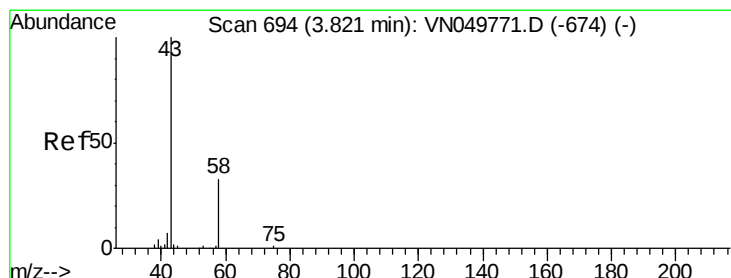
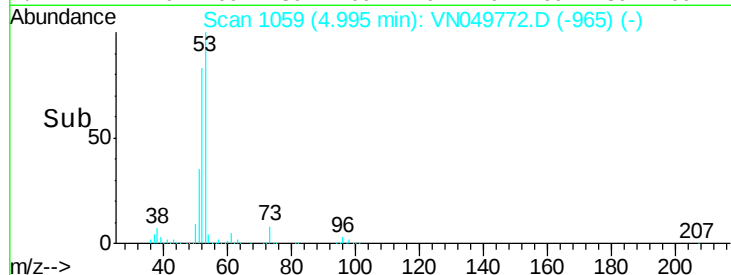
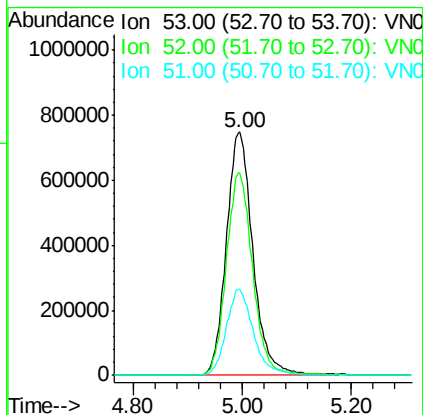
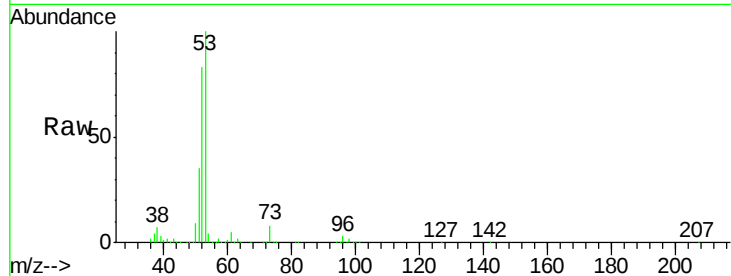
53 100

52 82.5 64.8 97.2

51 36.3 28.9 43.3

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#16

Acetone

Concen: 434.92 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049772.D

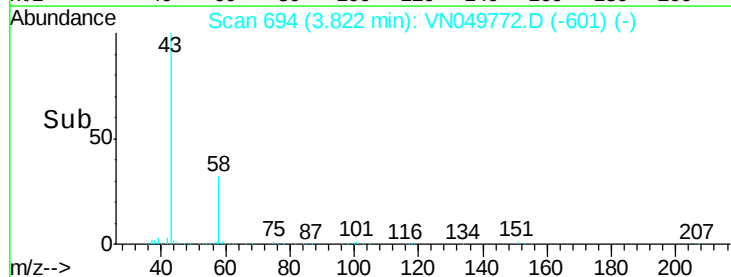
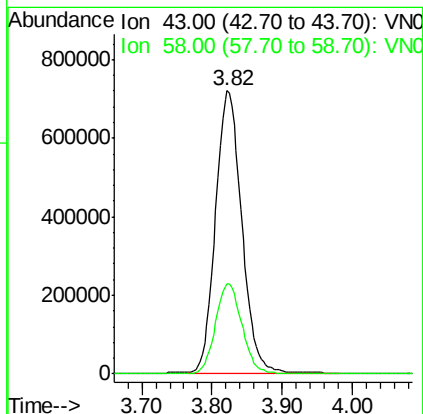
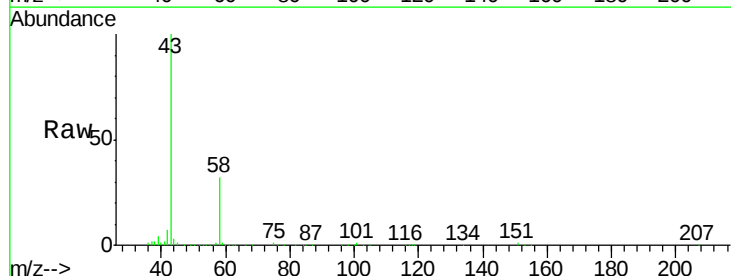
Acq: 12 Jul 2018 12:32

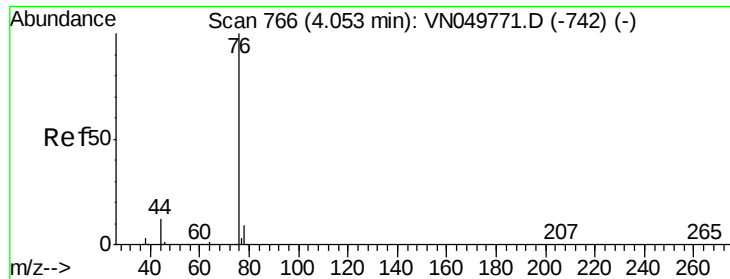
Tgt Ion: 43 Resp: 1858258

Ion Ratio Lower Upper

43 100

58 32.0 25.9 38.9





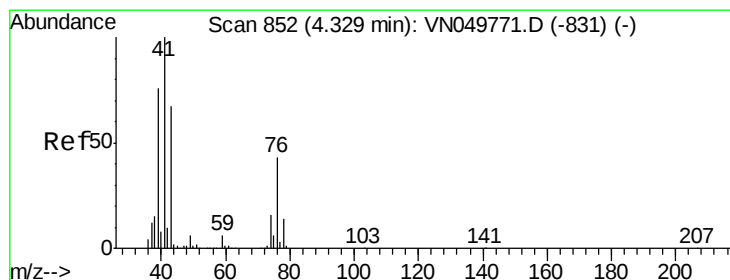
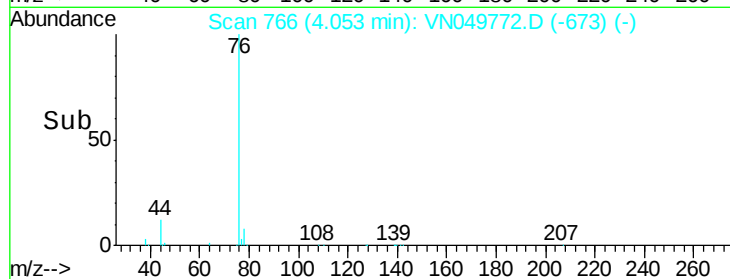
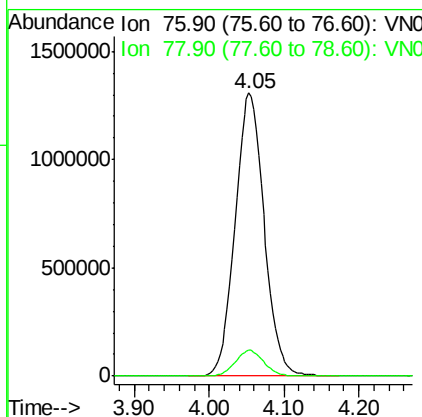
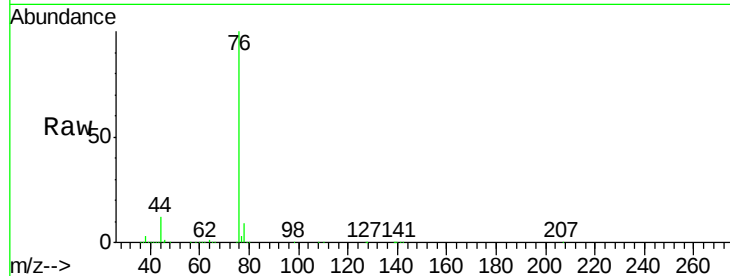
#17
Carbon Disulfide
Concen: 75.77 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 3524016
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

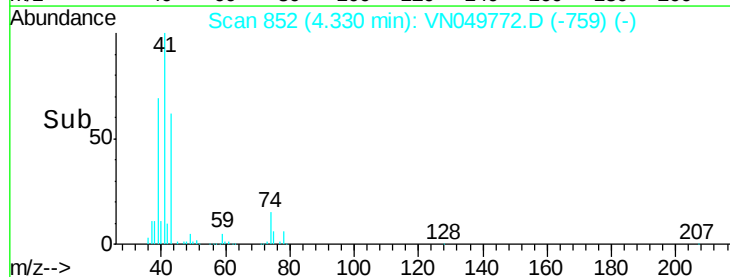
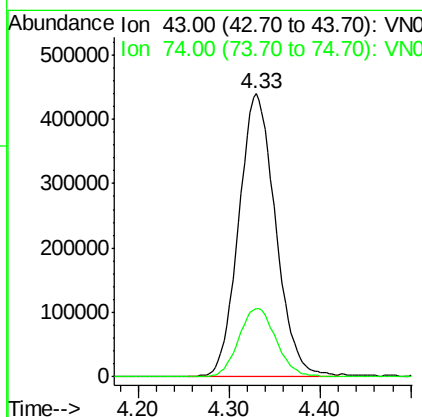
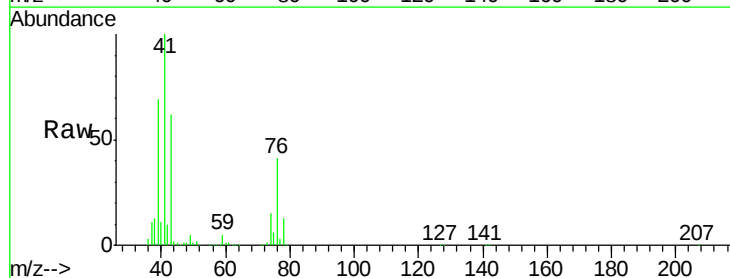
Manual Integrations
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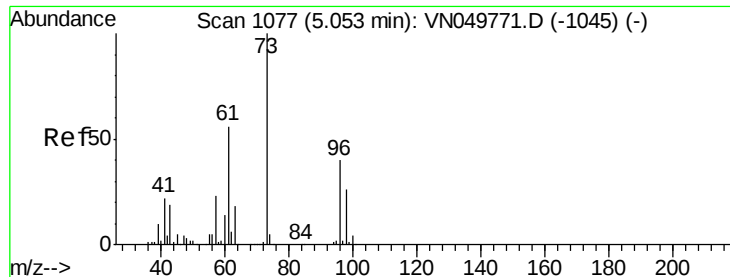
MMDadoda
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#18
Methyl Acetate
Concen: 47.33 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion: 43 Resp: 1230249
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.8





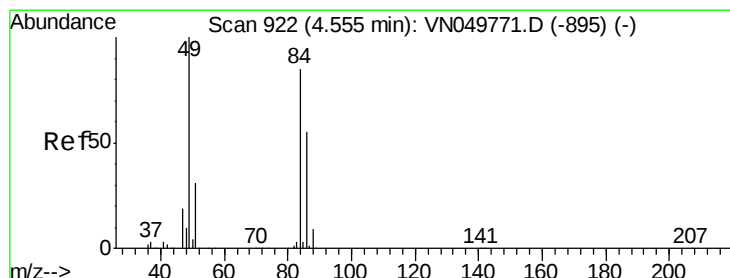
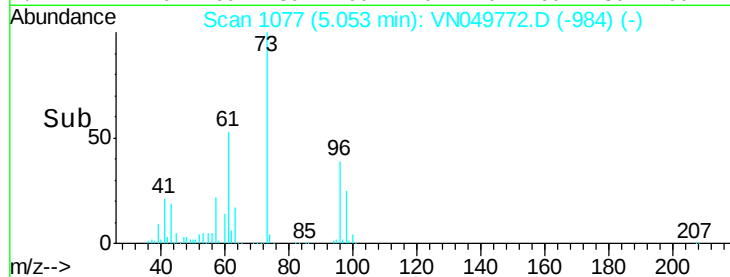
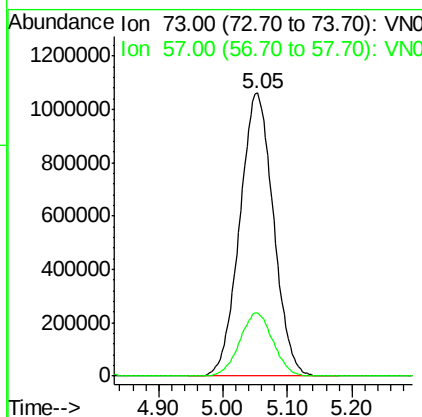
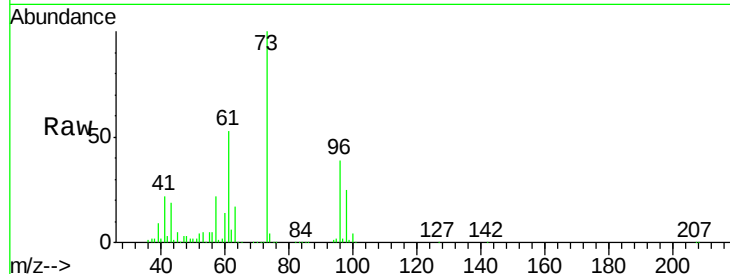
#19
Methvl tert-butvl Ether
Concen: 97.51 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 3856857
Ion Ratio Lower Upper
73 100
57 22.3 18.1 27.1

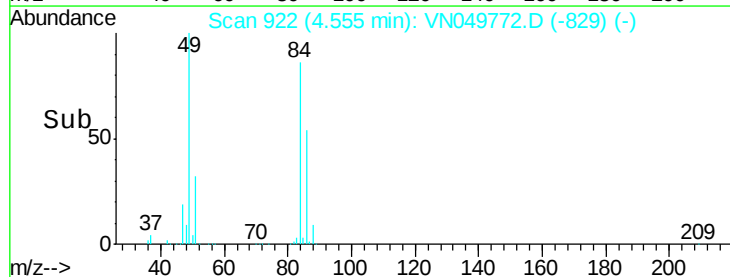
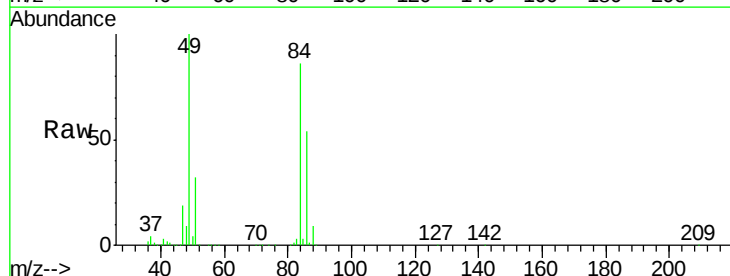
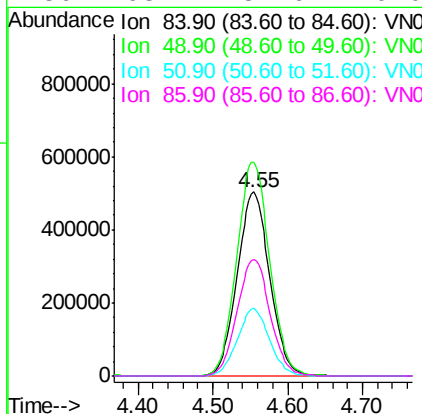
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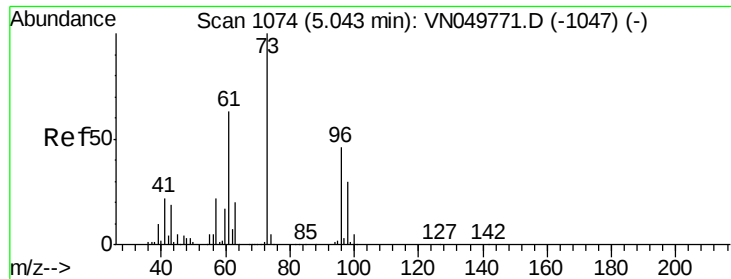
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#20
Methylene Chloride
Concen: 85.83 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion: 84 Resp: 1524746
Ion Ratio Lower Upper
84 100
49 115.9 95.4 143.2
51 36.7 28.4 42.6
86 63.2 52.6 79.0





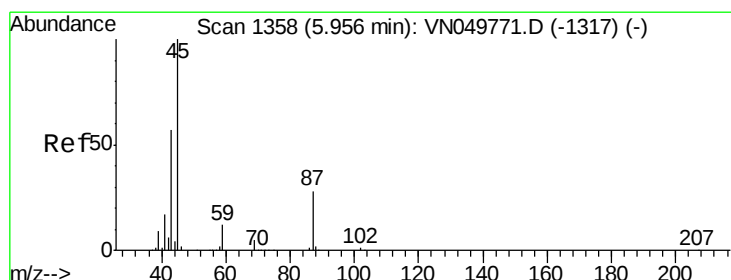
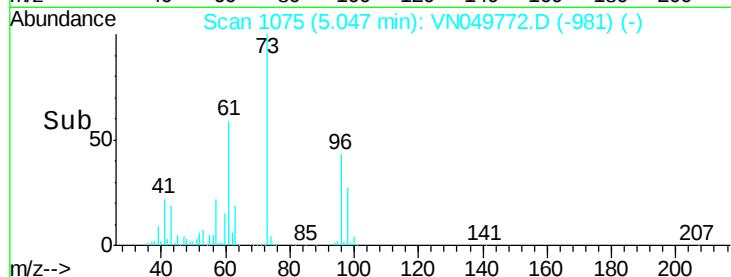
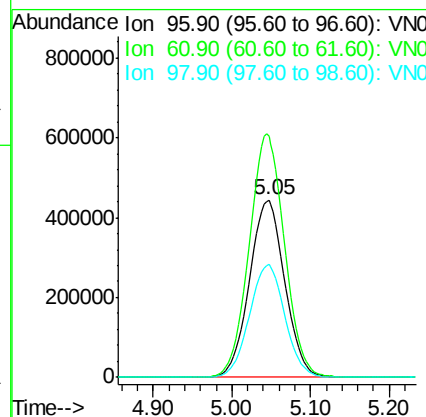
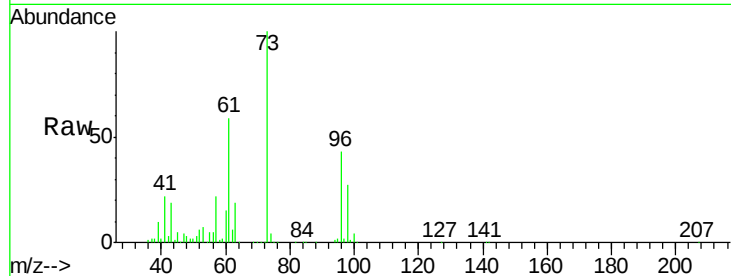
#21
trans-1,2-Dichloroethene
Concen: 89.19 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 96 Resp: 1408415
Ion Ratio Lower Upper
96 100
61 136.0 109.0 163.6
98 63.6 51.1 76.7

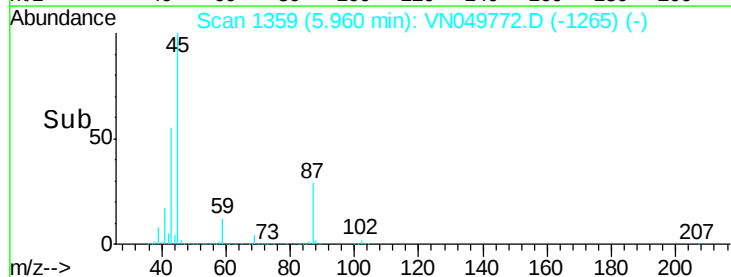
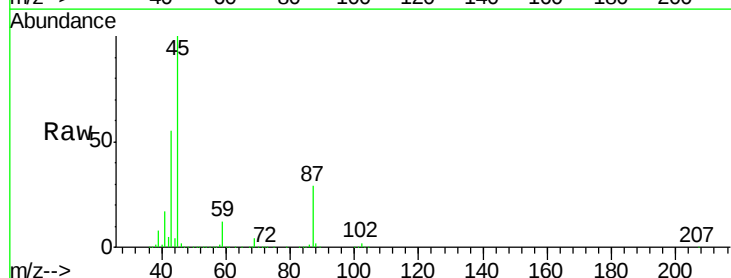
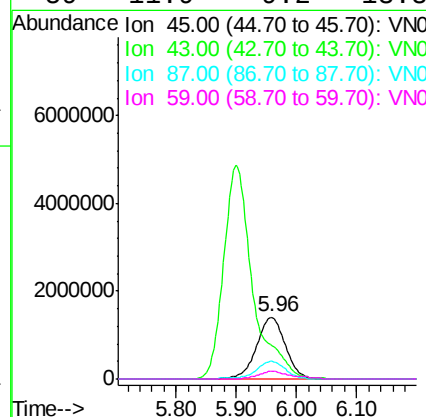
Manual Integrations
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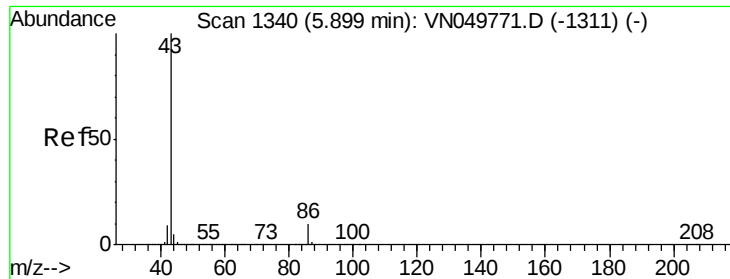
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#22
Diisopropyl ether
Concen: 99.18 ug/l
RT: 5.96 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion: 45 Resp: 4728866
Ion Ratio Lower Upper
45 100
43 54.5 48.1 72.1
87 28.4 22.6 34.0
59 11.9 9.2 13.8





#23

Vinyl Acetate

Concen: 526.86 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp:16290825

Ion Ratio Lower Upper

43 100

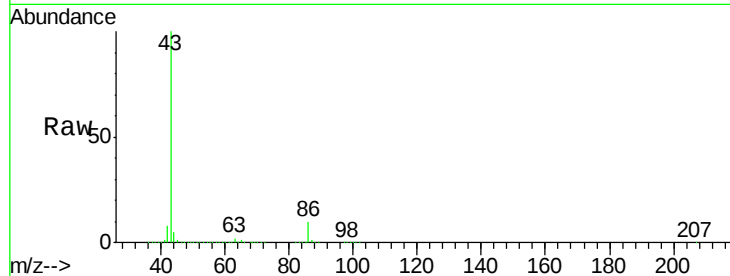
86 10.5 8.4 12.6

Manual Integrations

APPROVED

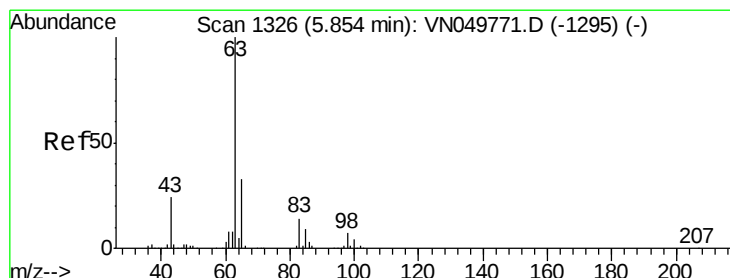
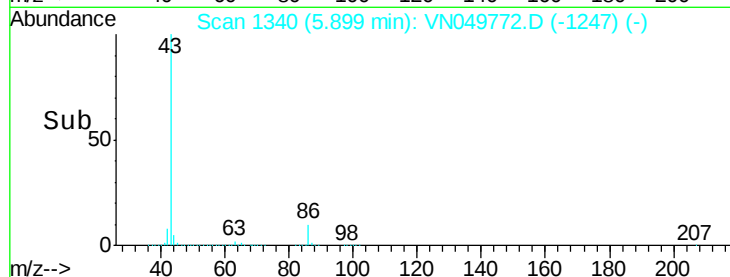
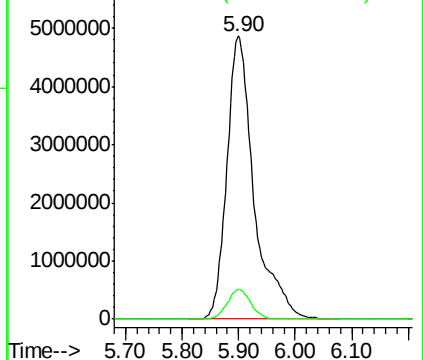
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 90.83 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

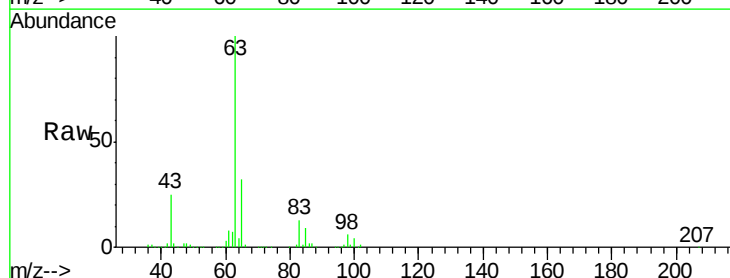
Tgt Ion: 63 Resp: 2728442

Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

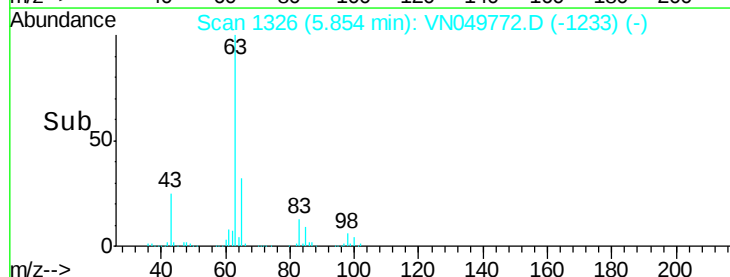
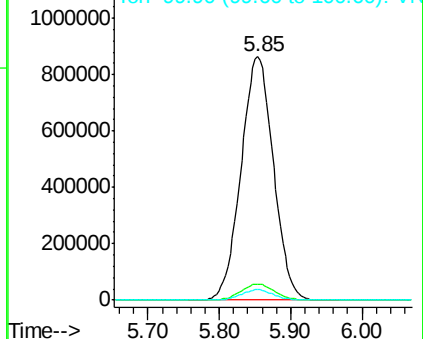
100 4.3 2.2 6.6

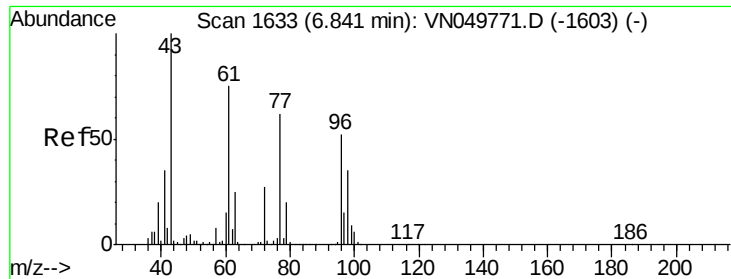


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 514.38 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2945813

Ion Ratio Lower Upper

43 100

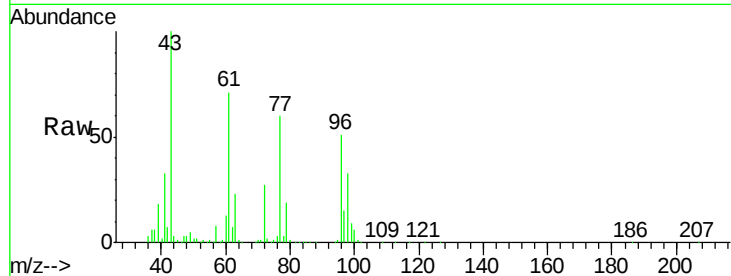
72 27.0 22.1 33.1

Manual Integrations

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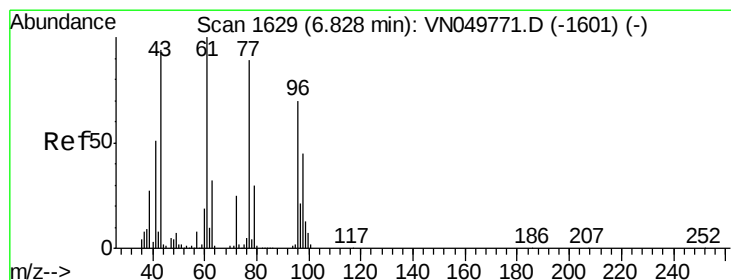
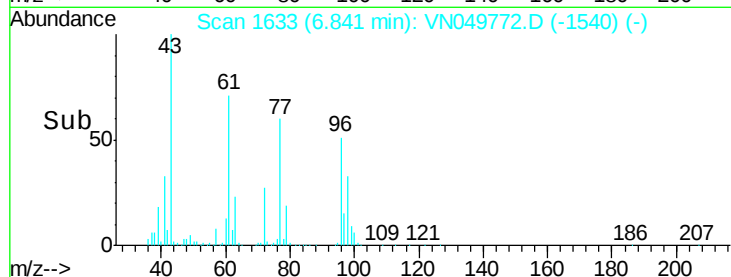
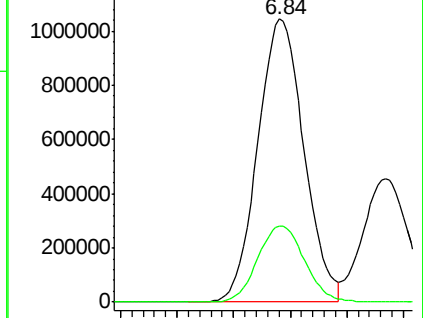
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 93.27 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049772.D

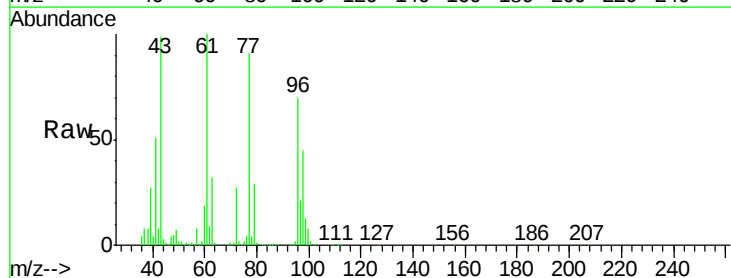
Acq: 12 Jul 2018 12:32

Tgt Ion: 77 Resp: 2327022

Ion Ratio Lower Upper

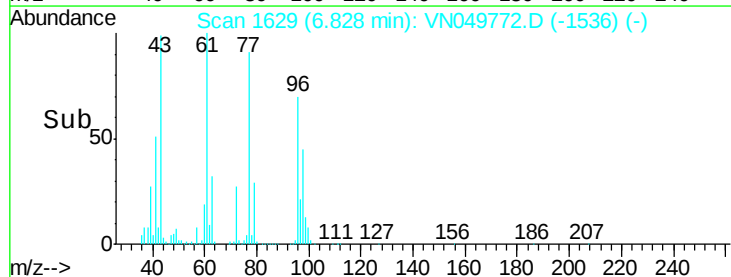
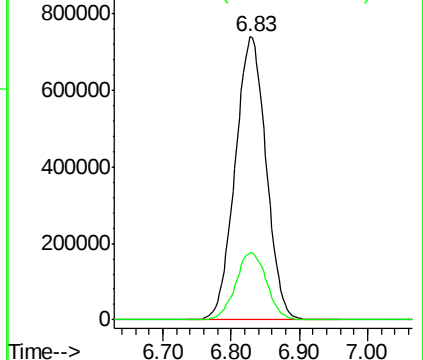
77 100

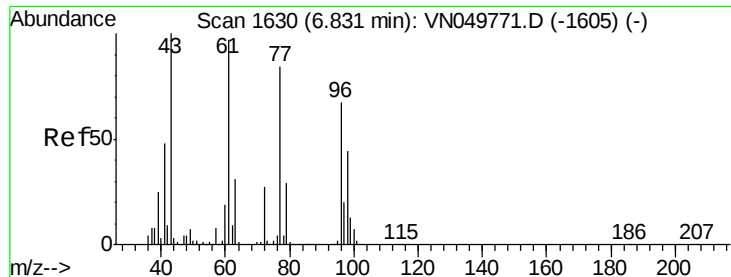
97 23.8 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 94.81 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 1672289

Ion Ratio Lower Upper

96 100

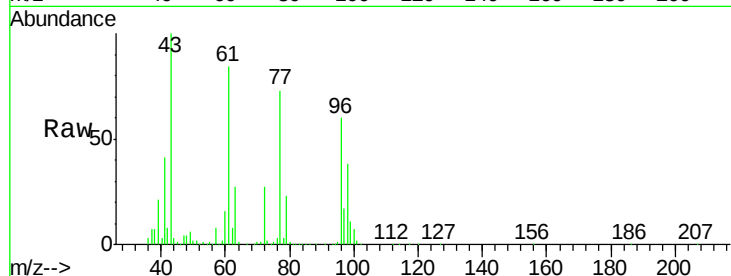
61 143.9 0.0 289.0

98 65.1 0.0 130.2

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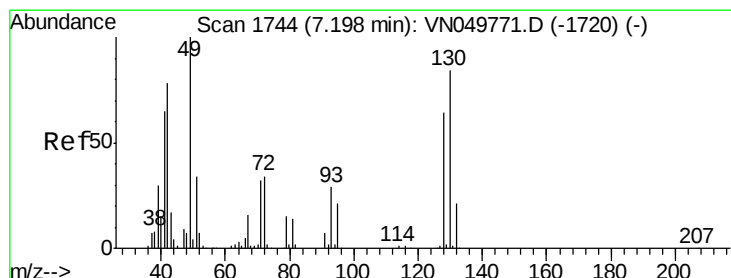
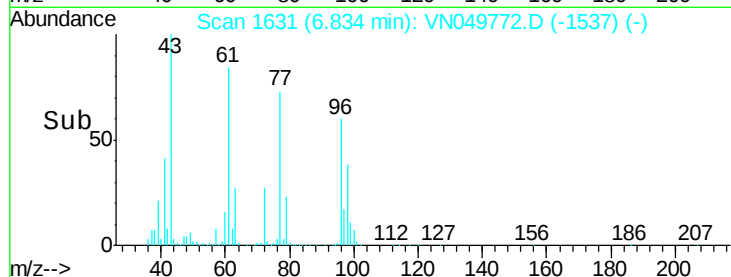
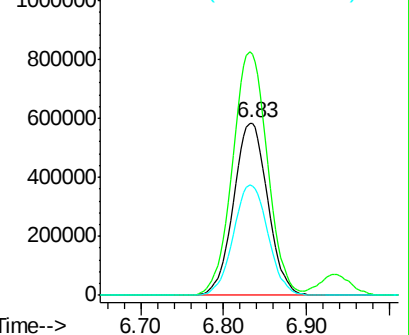
7/13/2018 1:35:10 PM



Abundance Ion 95.90 (95.60 to 96.60): VN049772.D (-1537) (-)

Ion 60.90 (60.60 to 61.60): VN049772.D (-1537) (-)

Ion 97.90 (97.60 to 98.60): VN049772.D (-1537) (-)



#28

Bromochloromethane

Concen: 98.68 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

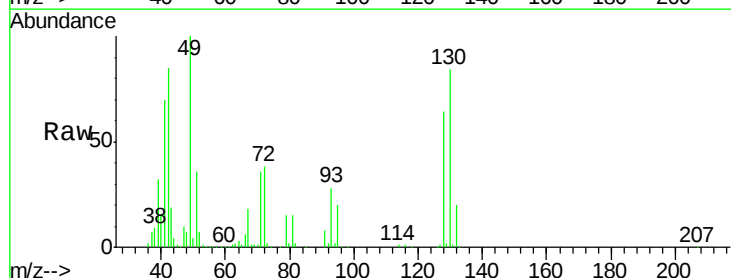
Tgt Ion: 49 Resp: 1258084

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.2

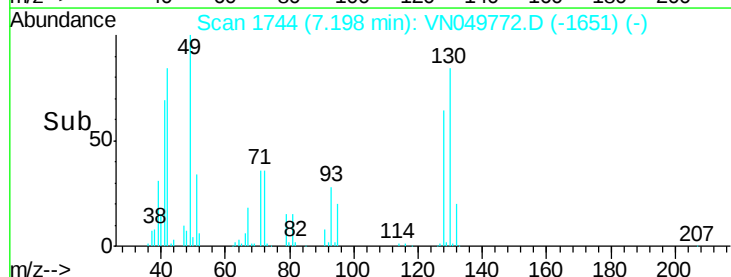
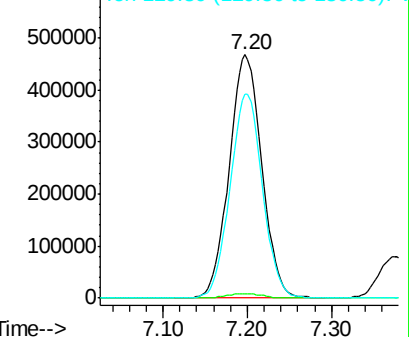
130 83.4 65.5 98.3

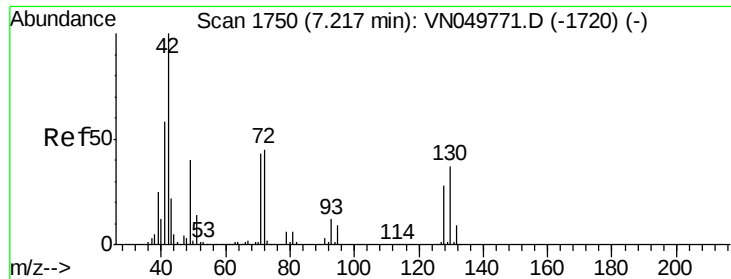


Abundance Ion 48.90 (48.60 to 49.60): VN049772.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN049772.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN049772.D (-1651) (-)





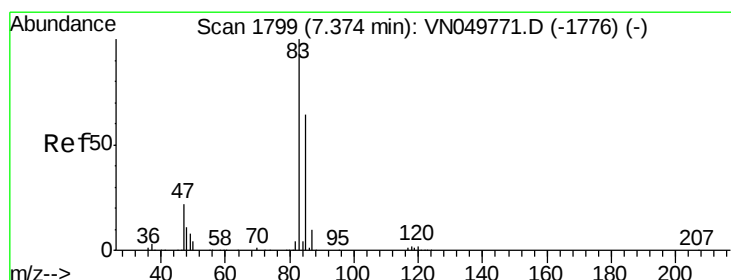
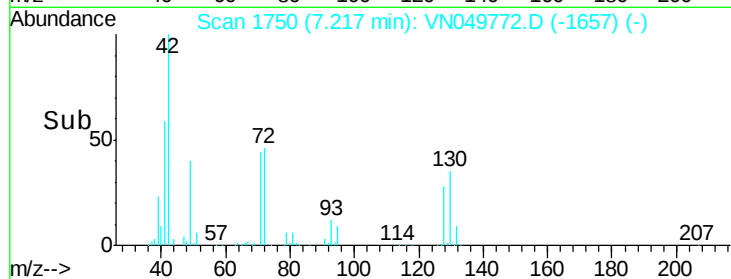
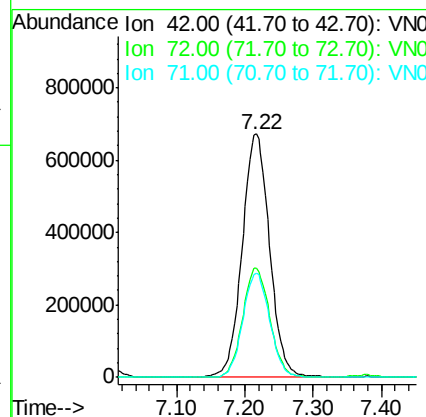
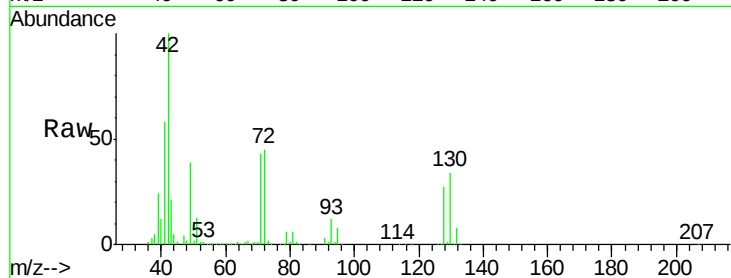
#29
Tetrahydrofuran
Concen: 513.19 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1873202
Ion Ratio Lower Upper
42 100
72 44.4 35.6 53.4
71 42.2 34.0 51.0

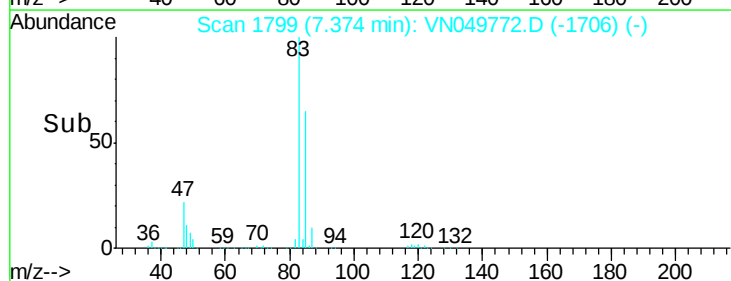
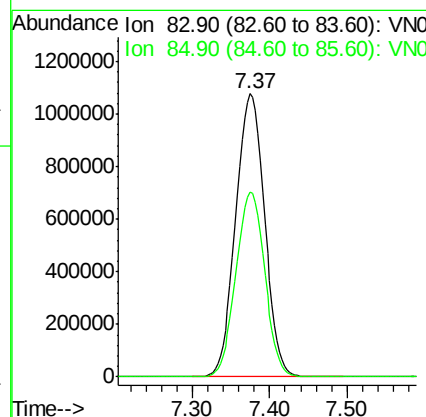
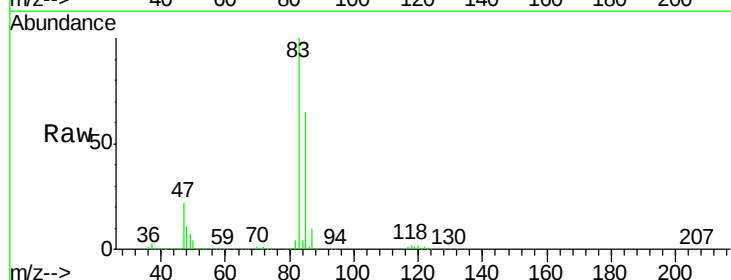
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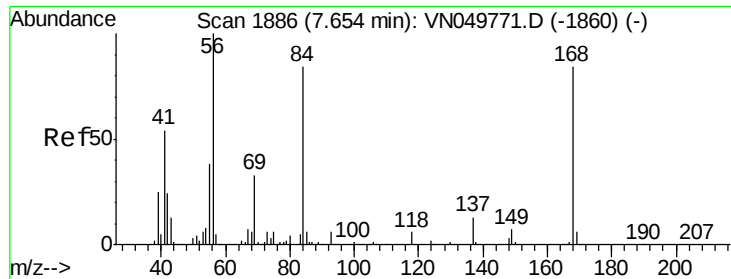
MMDadoda
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#30
Chloroform
Concen: 91.23 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion: 83 Resp: 2793669
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.2





#31

Cyclohexane

Concen: 77.51 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 2292710

Ion Ratio Lower Upper

56 100

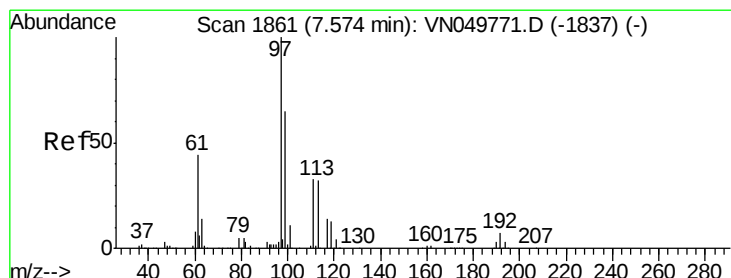
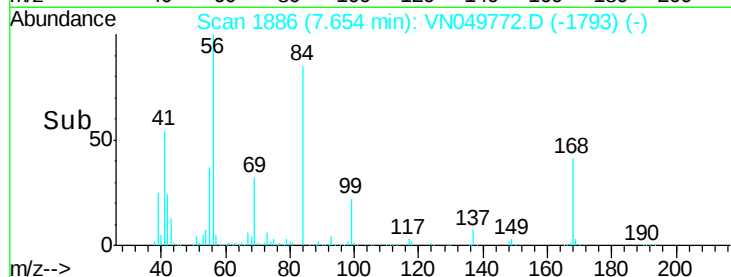
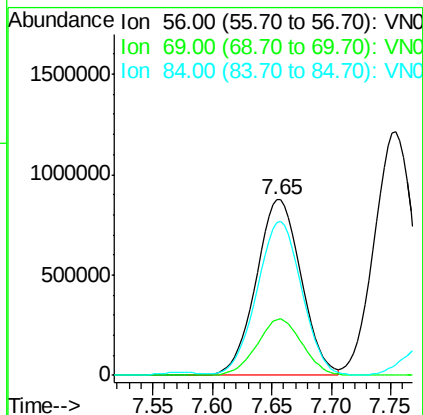
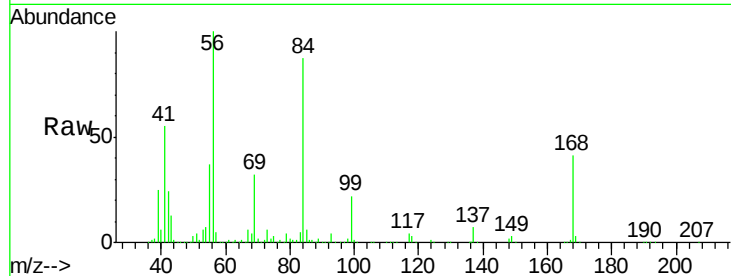
69 31.9 26.6 40.0

84 85.6 69.0 103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 93.18 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

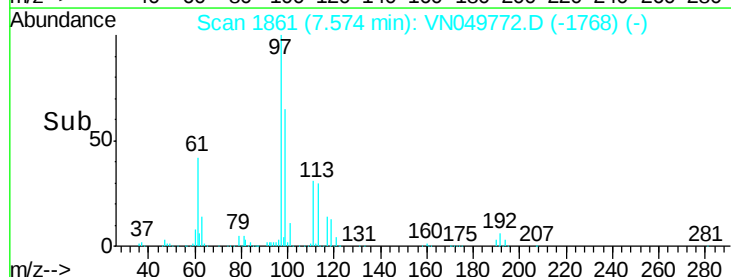
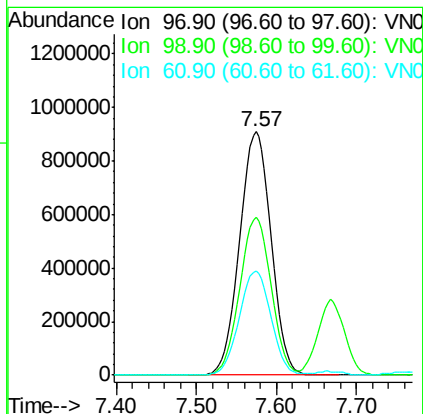
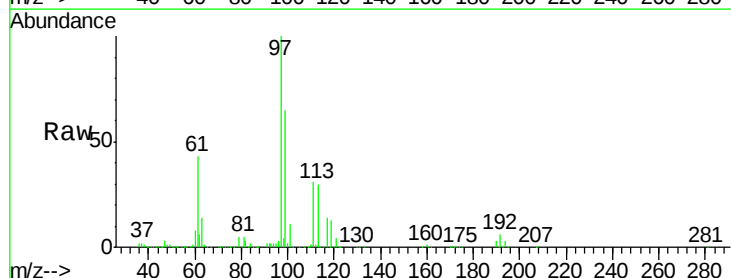
Tgt Ion: 97 Resp: 2415702

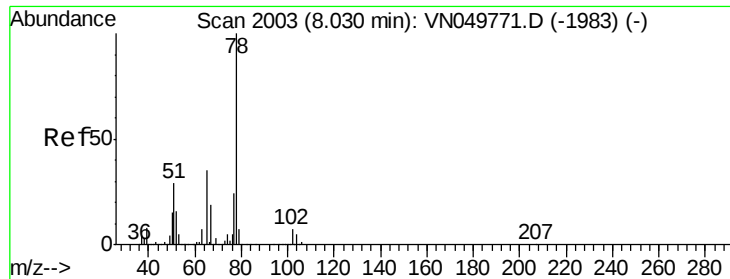
Ion Ratio Lower Upper

97 100

99 64.4 51.0 76.4

61 43.1 35.5 53.3





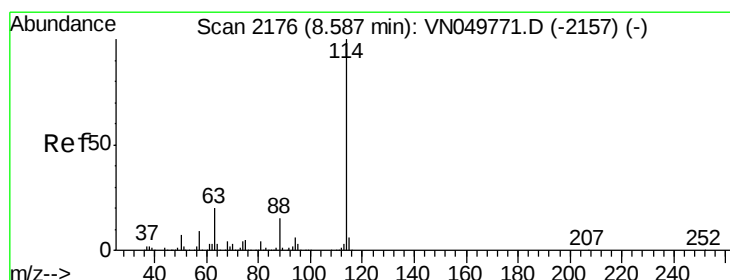
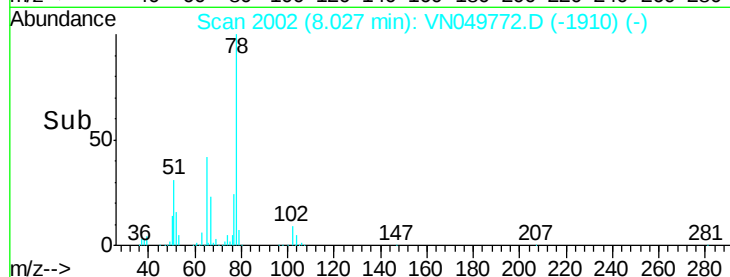
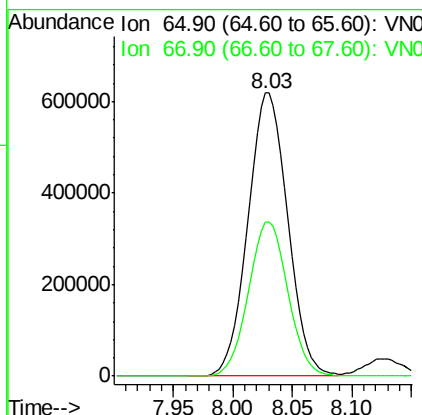
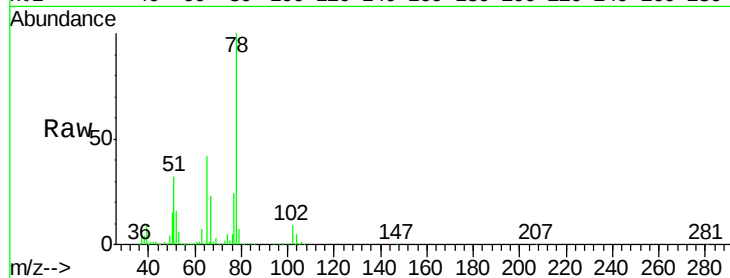
#33
 1,2-Dichloroethane-d4
 Concen: 83.07 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 65 Resp: 1433078
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.2

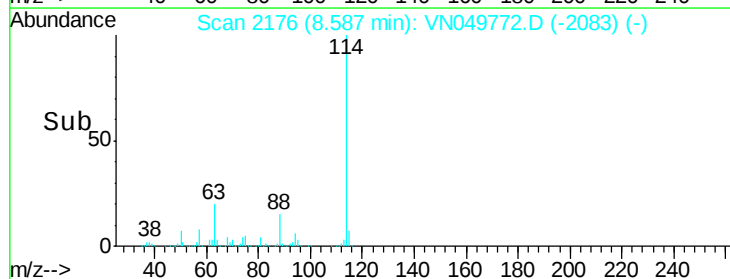
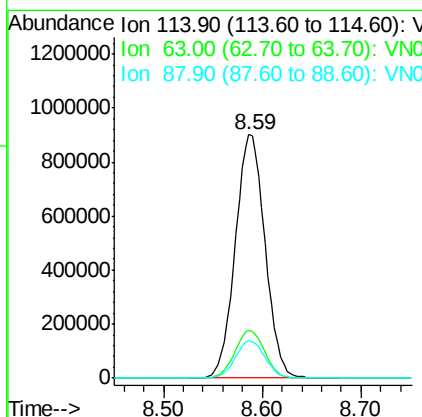
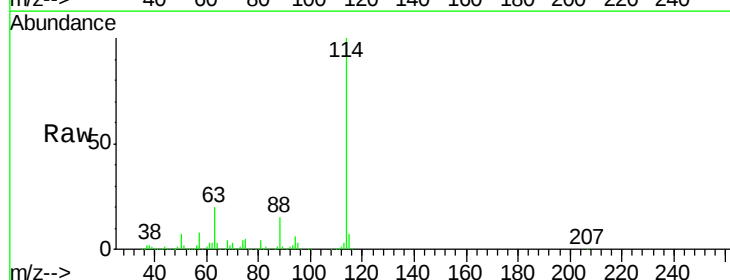
Manual Integrations
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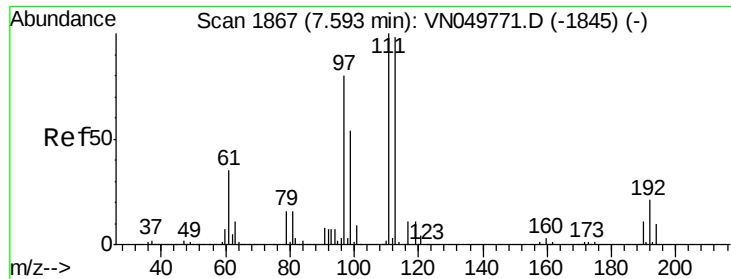
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion: 114 Resp: 1879651
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.8
 88 15.2 0.0 30.6





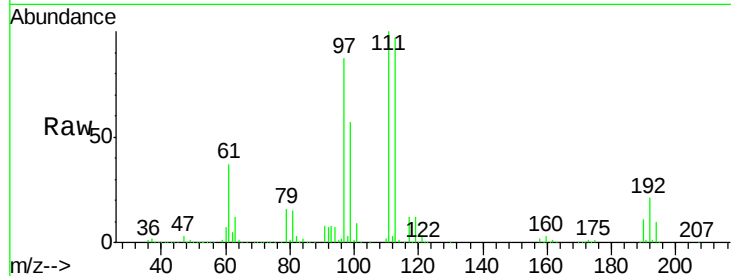
#35
 Dibromofluoromethane
 Concen: 96.71 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

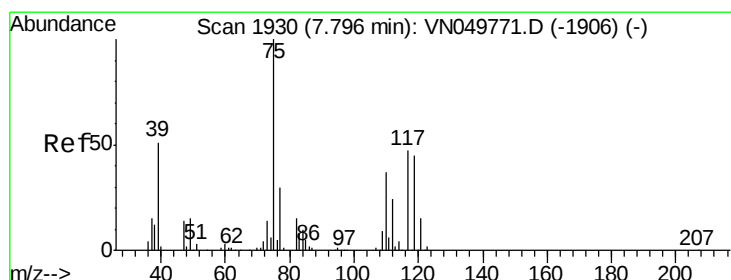
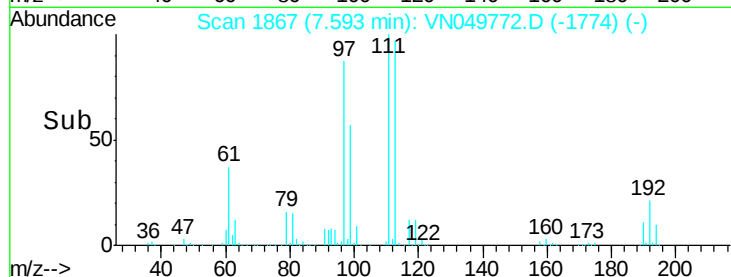
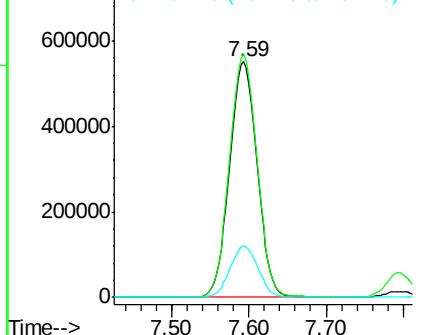
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.8	122.8
192	22.1	17.8	26.6

Manual Integrations
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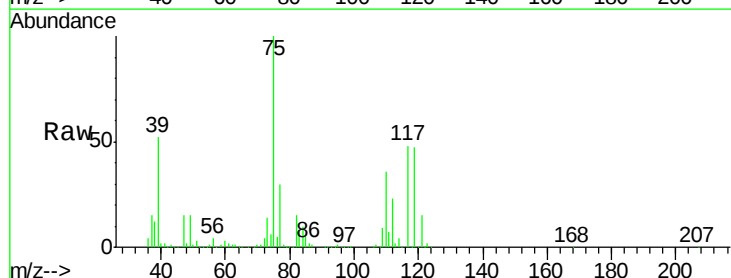


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

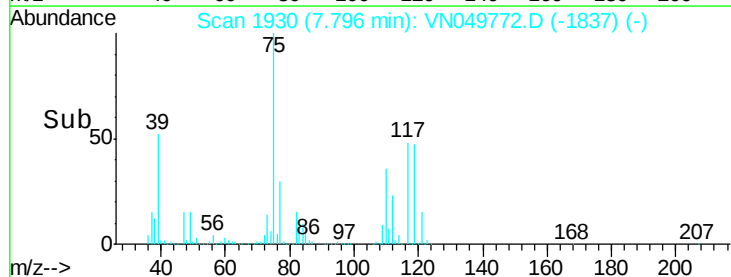
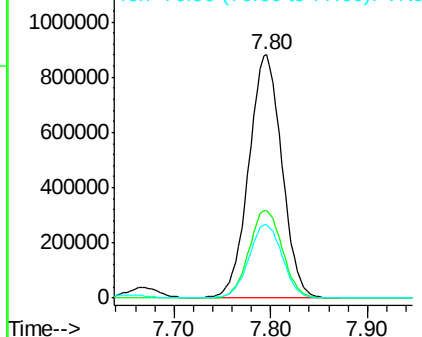


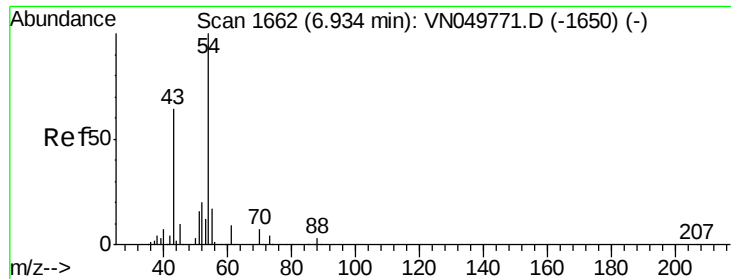
#36
 1,1-Dichloropropene
 Concen: 98.72 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.4
77	30.8	24.9	37.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





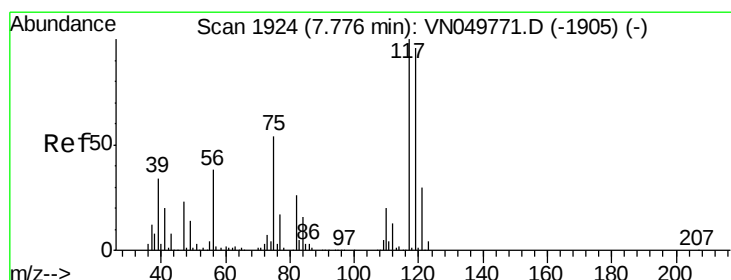
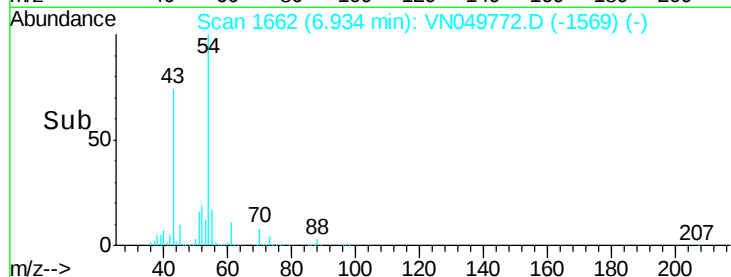
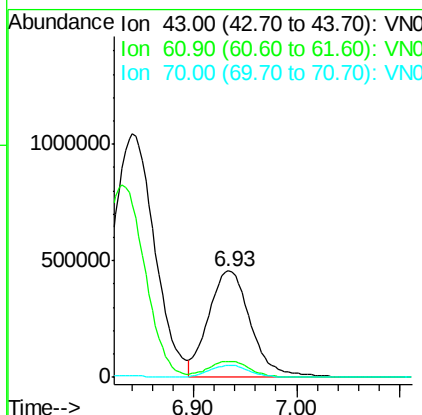
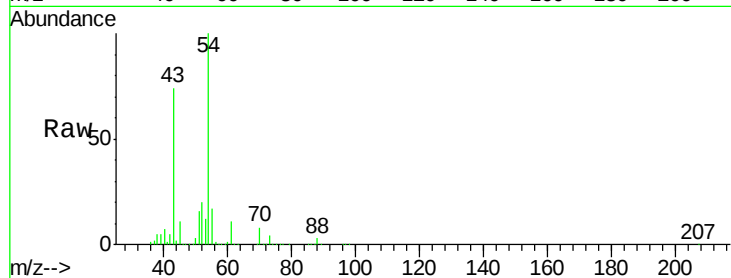
#37
Ethyl Acetate
Concen: 104.07 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.7	17.5
70	10.7	8.4	12.6

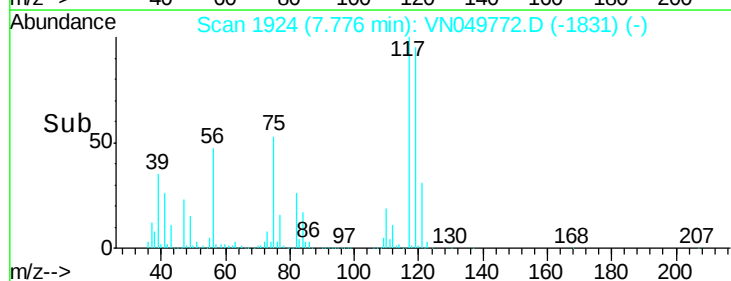
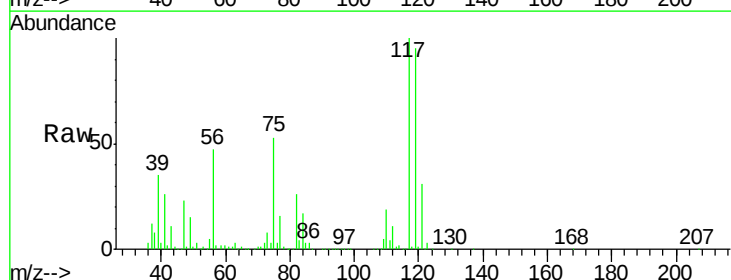
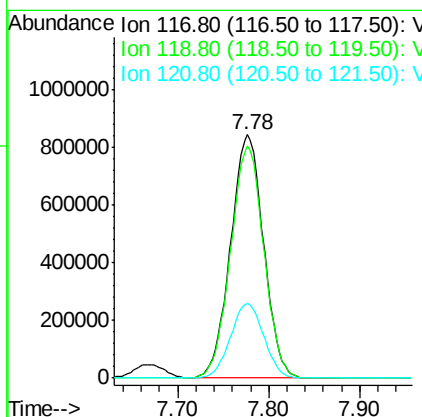
Manual Integrations
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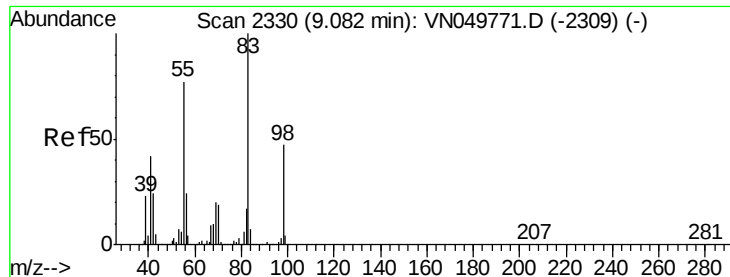
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#38
Carbon Tetrachloride
Concen: 103.20 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.2	115.8
121	30.7	25.0	37.6





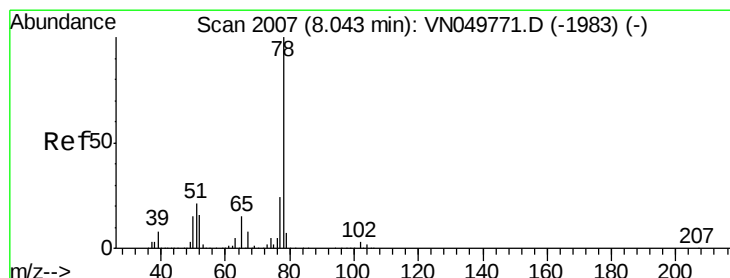
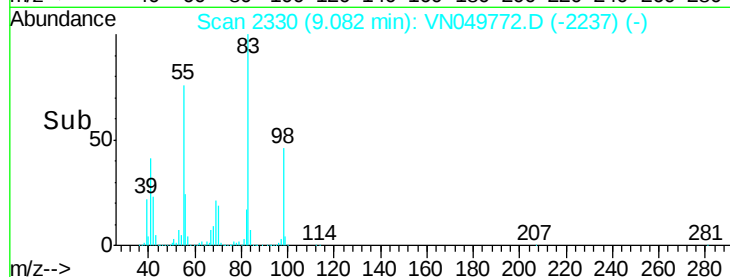
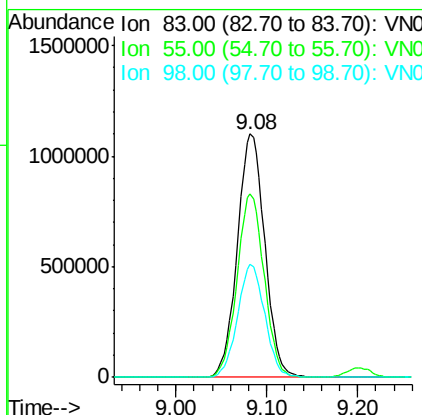
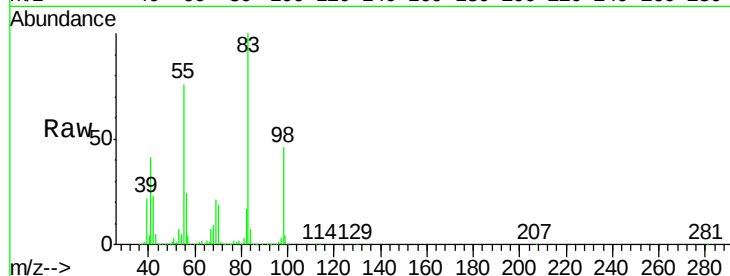
#39
Methvlcvclohexane
Concen: 99.33 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	59.7	89.5
98	46.3	36.5	54.7

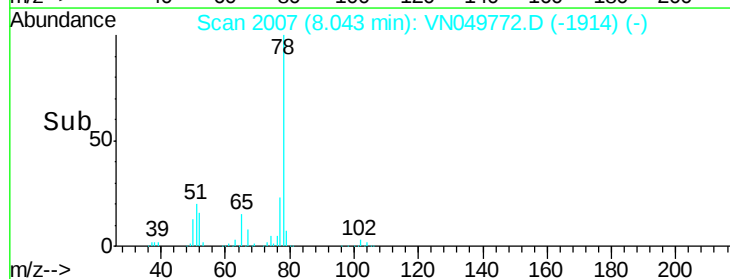
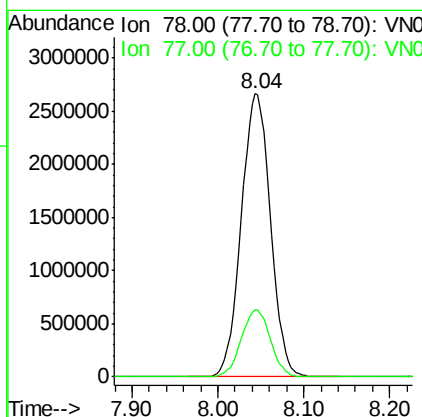
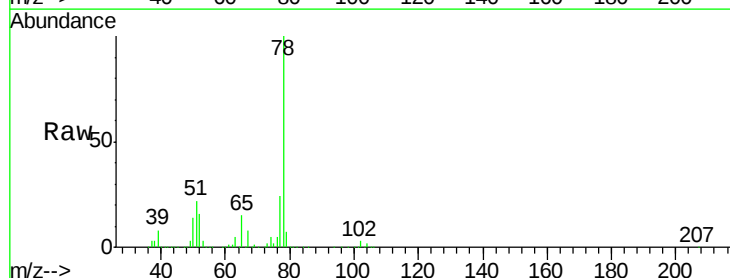
Manual Integrations
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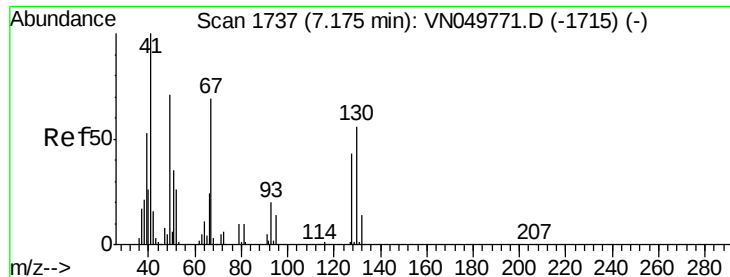
MMDadoda
7/13/2018 1:35:10 PM



#40
Benzene
Concen: 97.13 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4





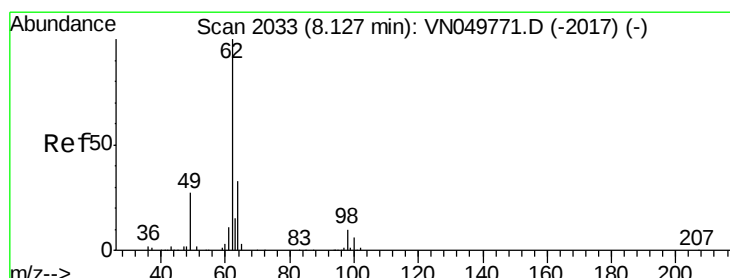
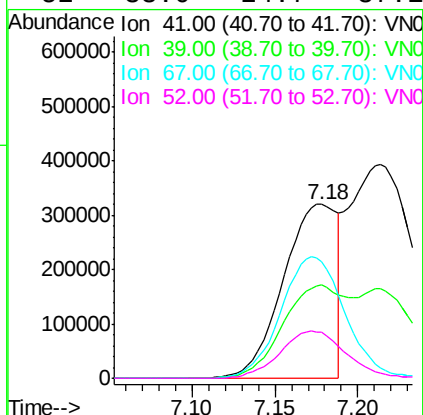
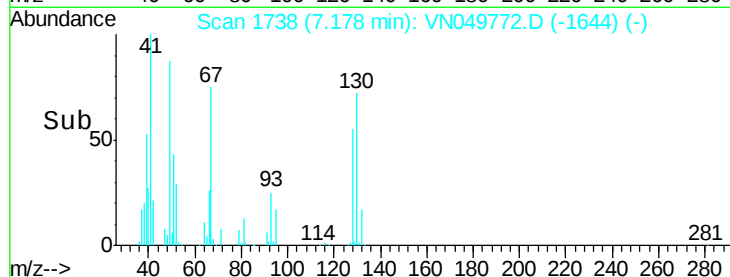
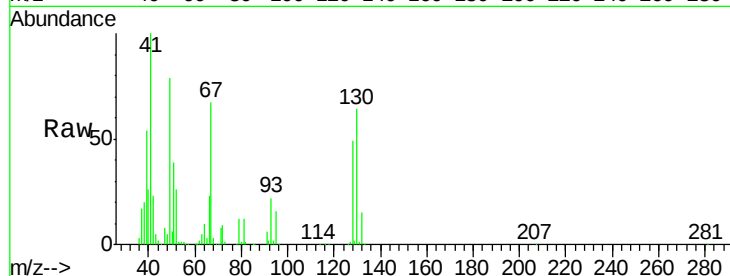
#41
Methacrylonitrile
Concen: 103.33 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.4	45.4	68.2	
67	84.0	65.4	98.0	
52	33.0	24.7	37.1	

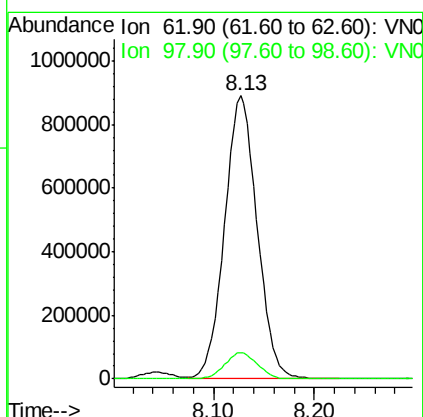
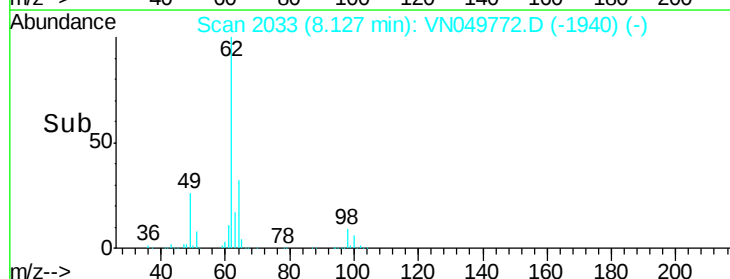
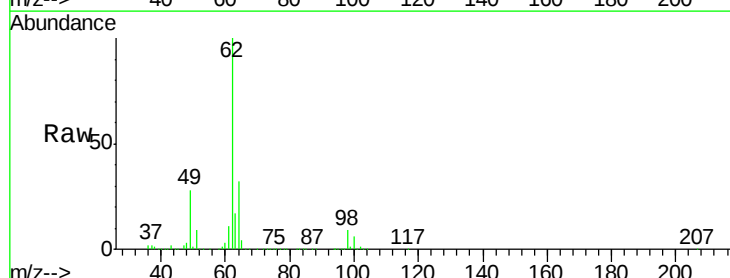
Manual Integrations
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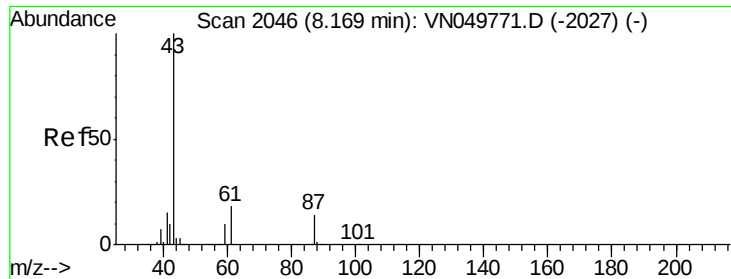
MMDadoda
7/13/2018 1:35:10 PM



#42
1,2-Dichloroethane
Concen: 96.77 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	19.0	





#43

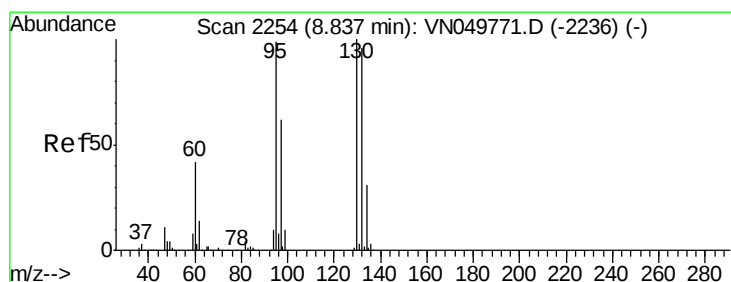
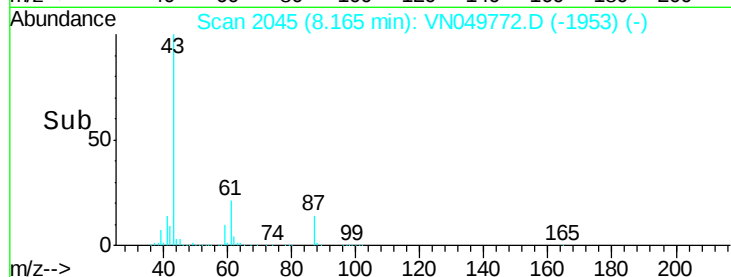
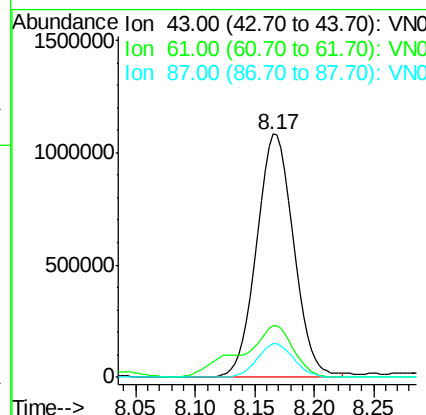
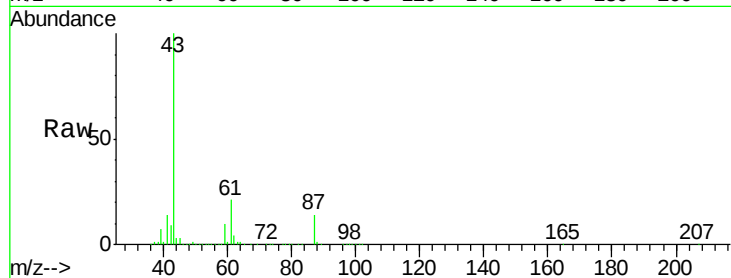
Isopropyl Acetate
 Concen: 80.22 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. -0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	43	Resp	2337747
Ion	Ratio	Lower	Upper
43	100		
61	20.7	14.9	22.3
87	13.8	10.0	15.0

Manual Integrations
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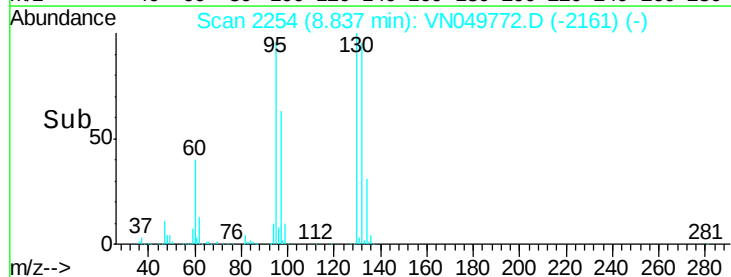
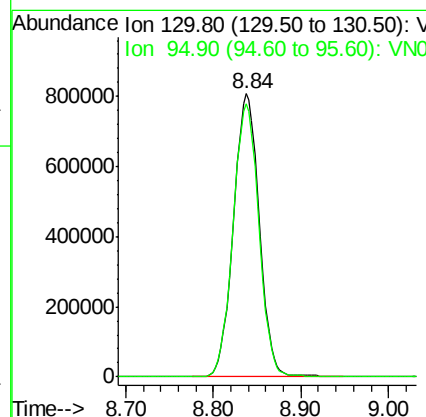
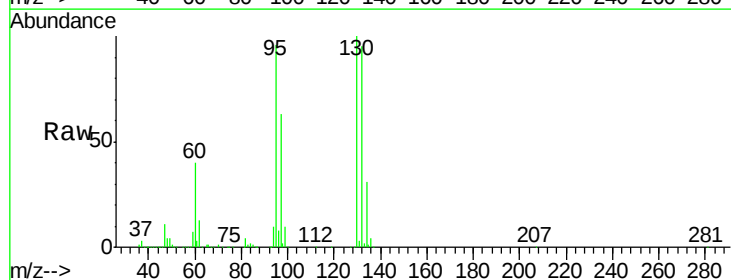
MMDadoda
 7/13/2018 1:35:10 PM

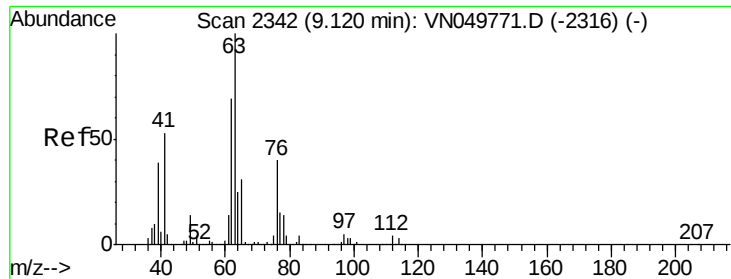


#44

Trichloroethene
 Concen: 84.73 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion	130	Resp	1649922
Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	192.8





#45

1,2-Dichloropropane

Concen: 100.41 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 1675208

Ion Ratio Lower Upper

63 100

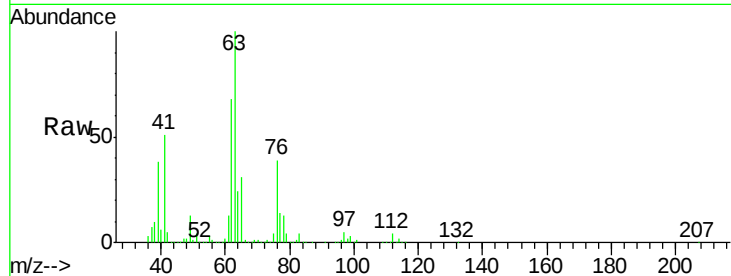
65 30.6 24.7 37.1

Manual Integrations

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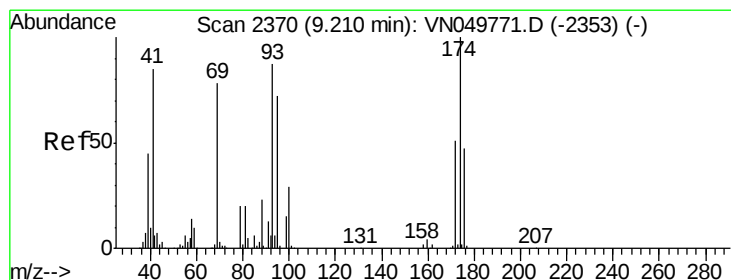
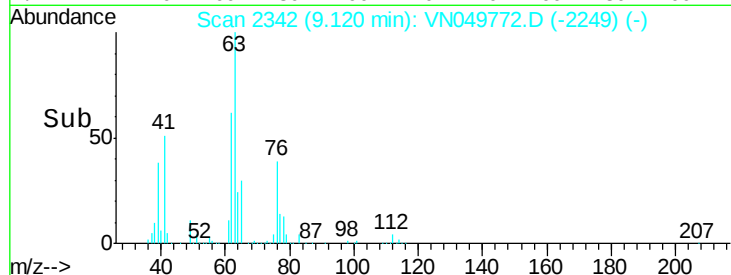
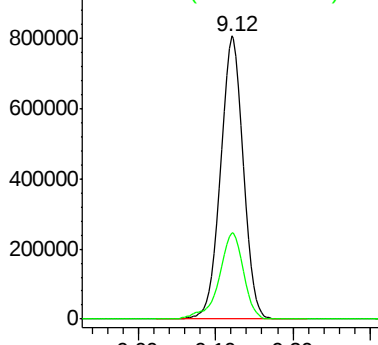
MMDadoda

7/13/2018 1:35:10 PM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 98.21 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

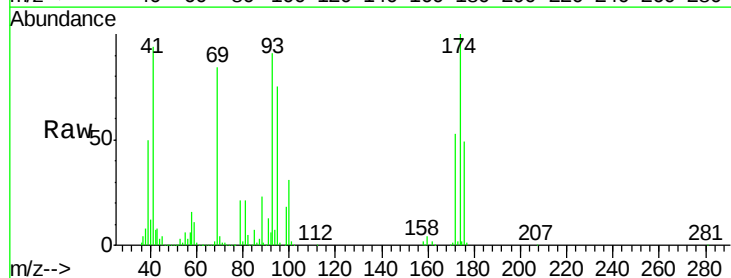
Tgt Ion: 93 Resp: 991212

Ion Ratio Lower Upper

93 100

95 83.0 67.9 101.9

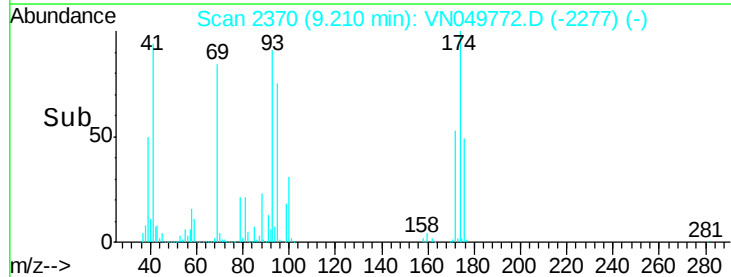
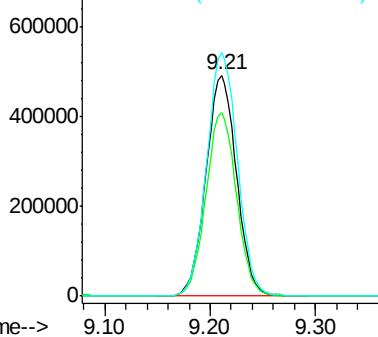
174 111.3 89.4 134.0

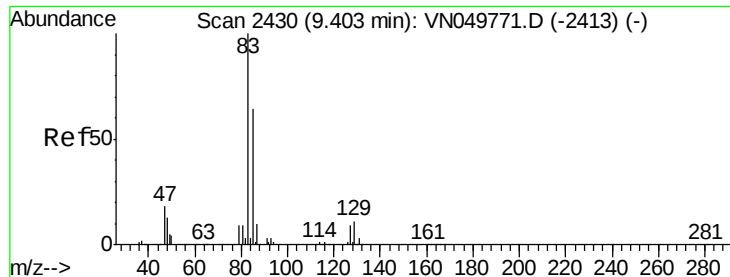


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 101.38 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 83 Resp: 2178116

Ion Ratio Lower Upper

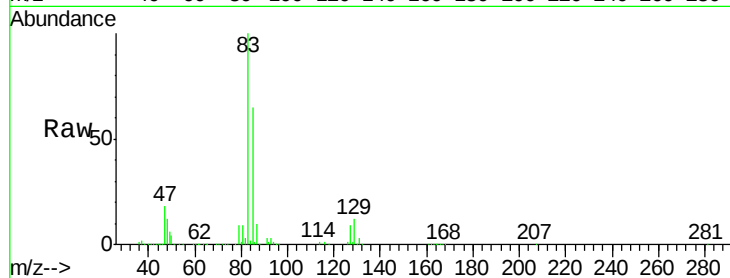
83 100

85 64.9 50.5 75.7

127 8.8 6.8 10.2

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7/13/2018 1:35:10 PM

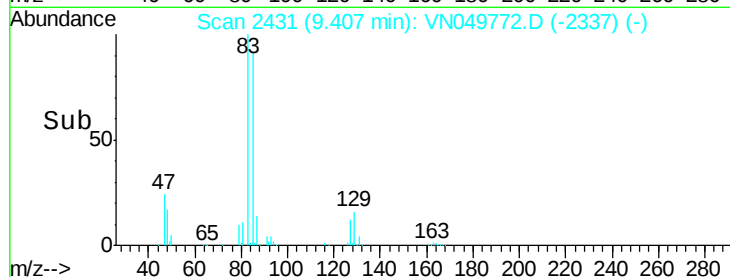


Abundance Ion 82.90 (82.60 to 83.60): VN049772.D (-2337) (-)

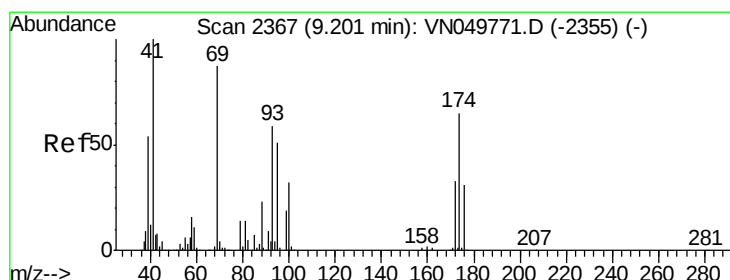
Ion 84.90 (84.60 to 85.60): VN049772.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049772.D (-2337) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 108.52 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

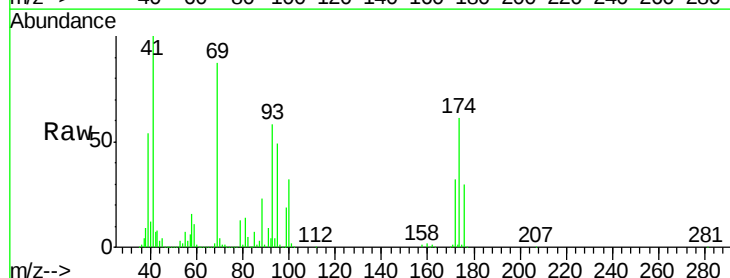
Tgt Ion: 41 Resp: 1189406

Ion Ratio Lower Upper

41 100

69 90.6 71.5 107.3

39 55.5 44.7 67.1

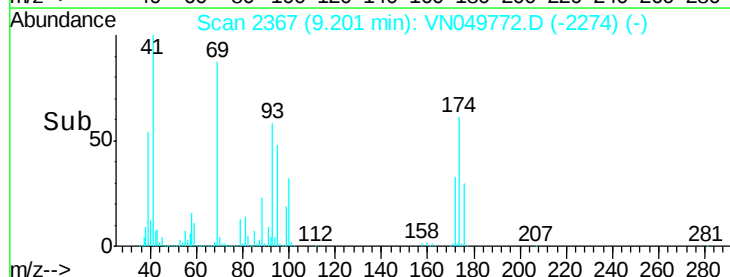


Abundance Ion 41.00 (40.70 to 41.70): VN049772.D (-2274) (-)

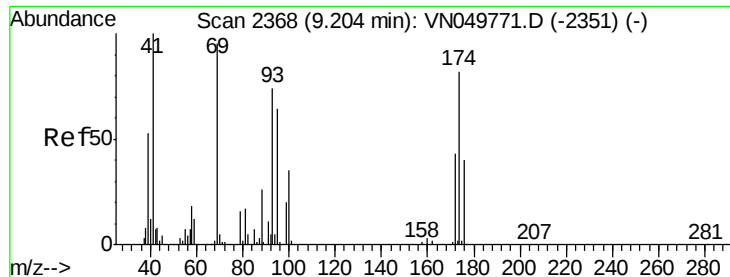
Ion 69.00 (68.70 to 69.70): VN049772.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049772.D (-2274) (-)

Time-->



Time-->



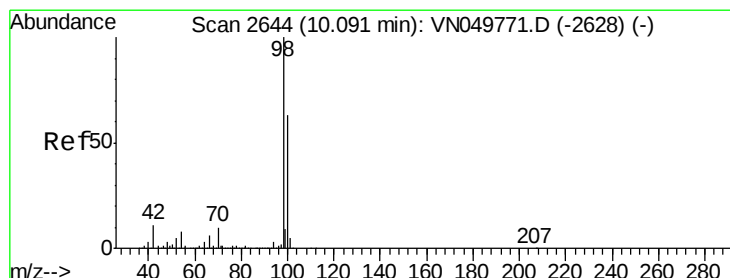
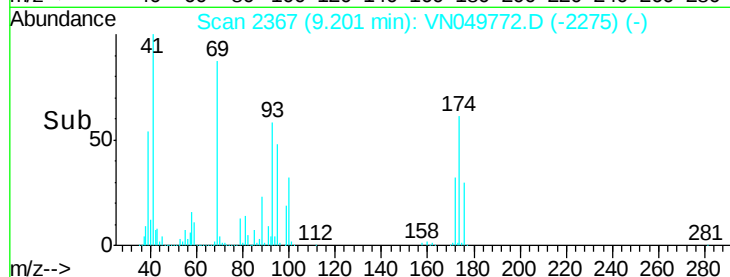
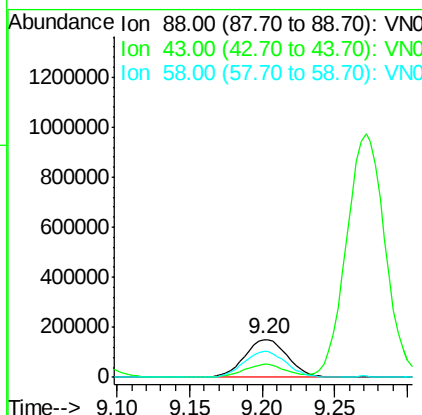
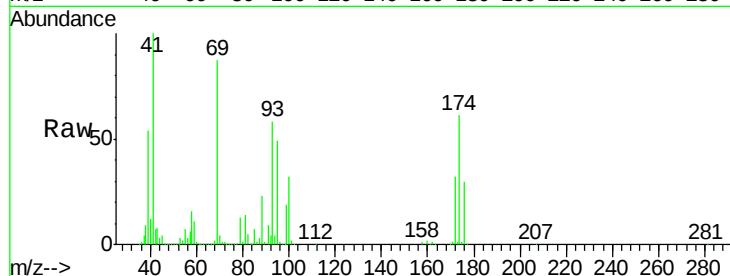
#49
1,4-Dioxane
Concen: 2106.39 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	25.1	37.7
58	68.5	52.5	78.7

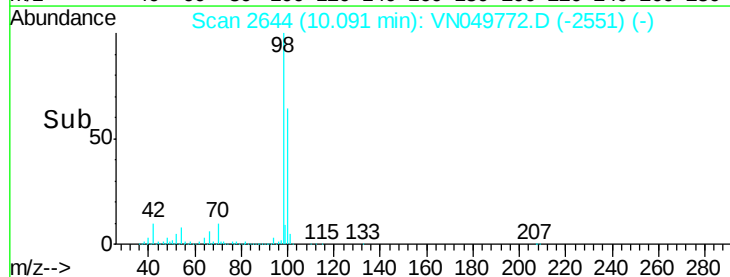
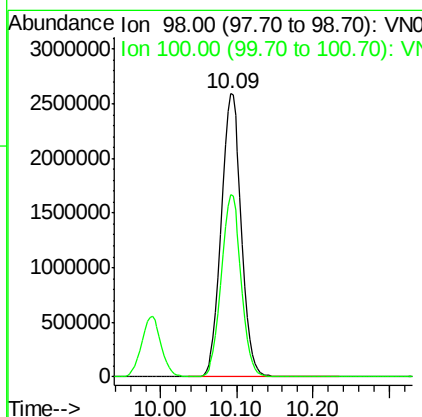
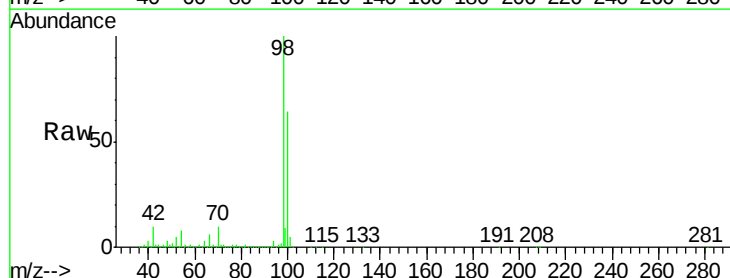
Manual Integrations
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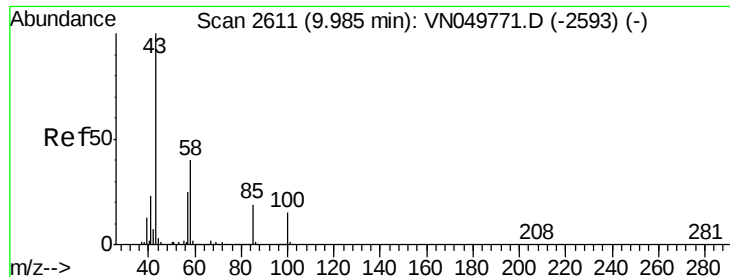
MMDadoda
7/13/2018 1:35:10 PM



#50
Toluene-d8
Concen: 86.37 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.7	77.5





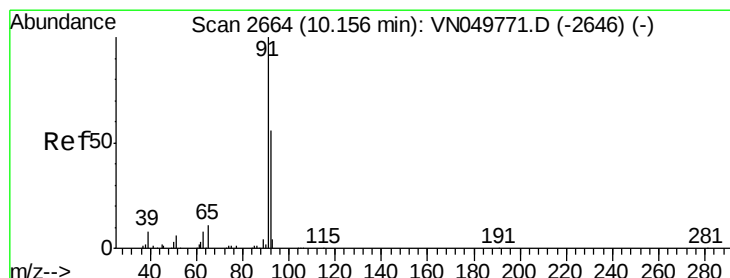
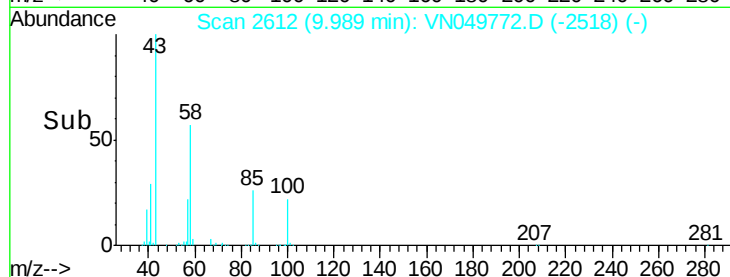
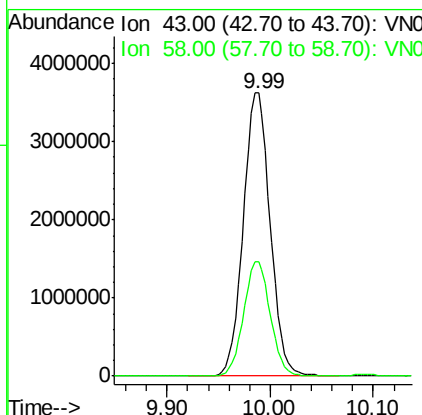
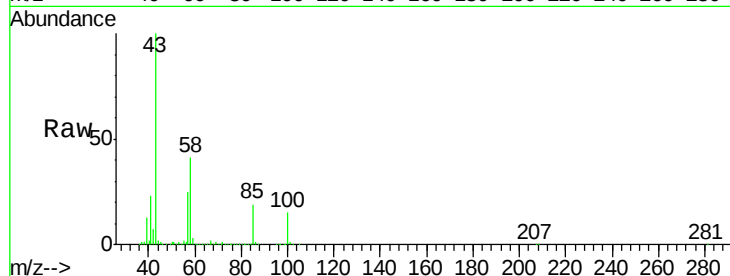
#51
4-Methyl-2-Pentanone
Concen: 541.64 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 6550204
Ion Ratio Lower Upper
43 100
58 40.2 31.8 47.8

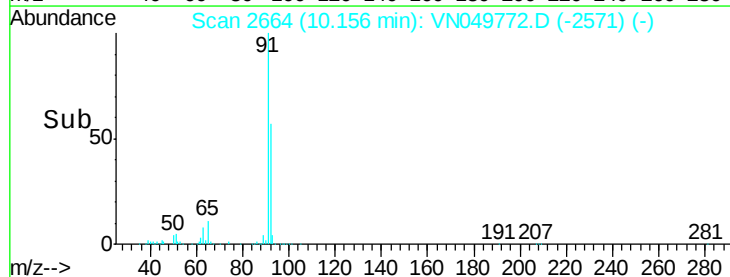
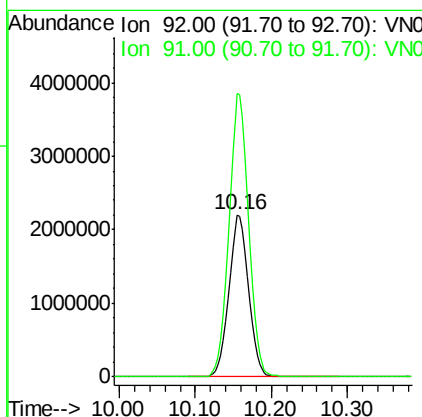
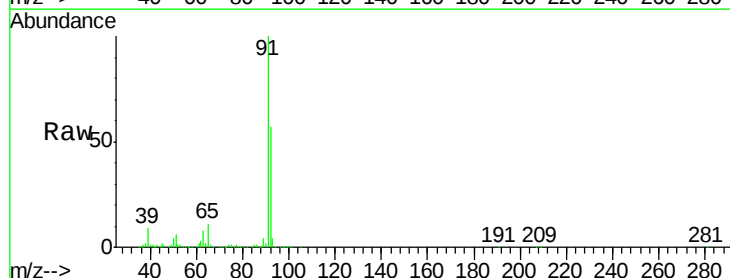
Manual Integrations
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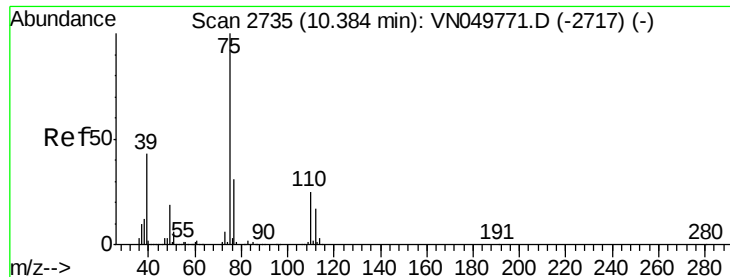
MMDadoda
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#52
Toluene
Concen: 101.71 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion: 92 Resp: 3967923
Ion Ratio Lower Upper
92 100
91 175.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 112.91 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 2322909

Ion Ratio Lower Upper

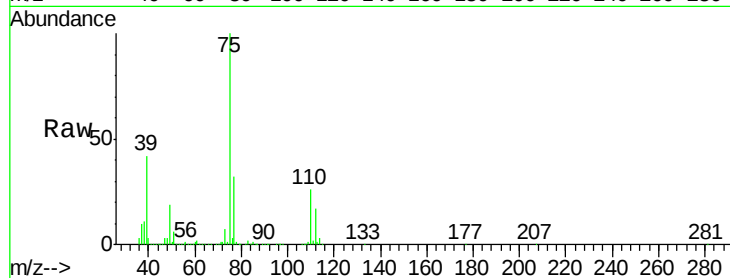
75 100

77 31.4 25.2 37.8

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

1500000

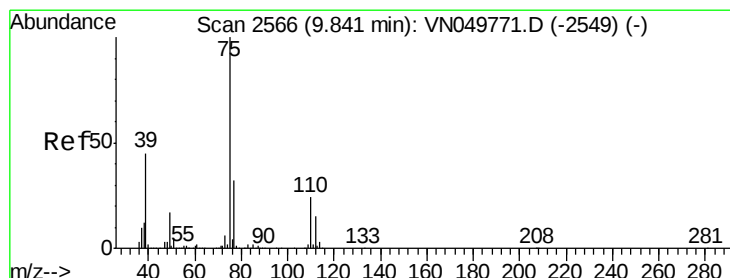
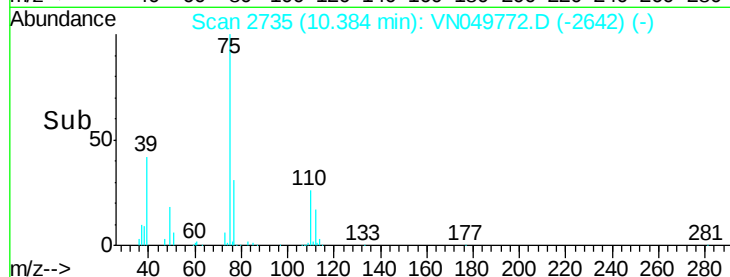
1000000

500000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 108.56 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

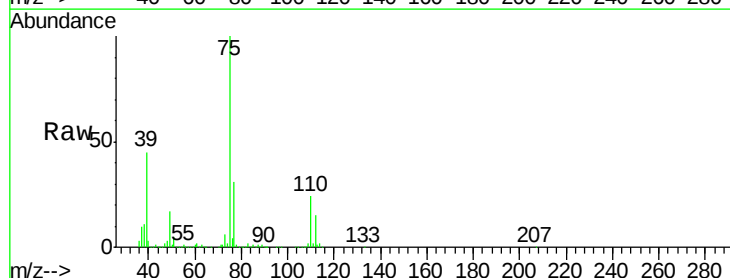
Tgt Ion: 75 Resp: 2610181

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9

39 44.6 35.5 53.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

1500000

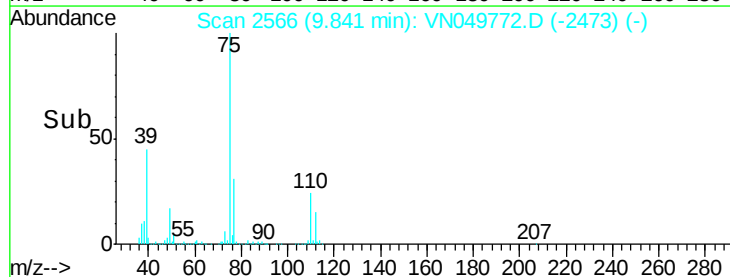
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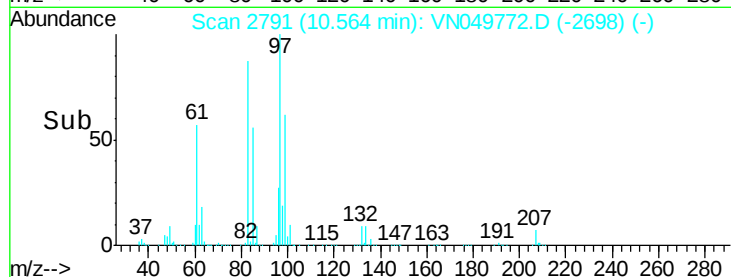
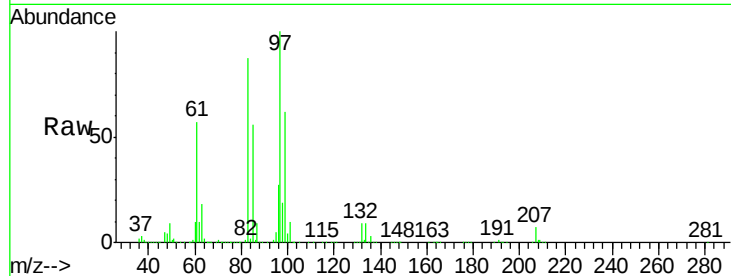
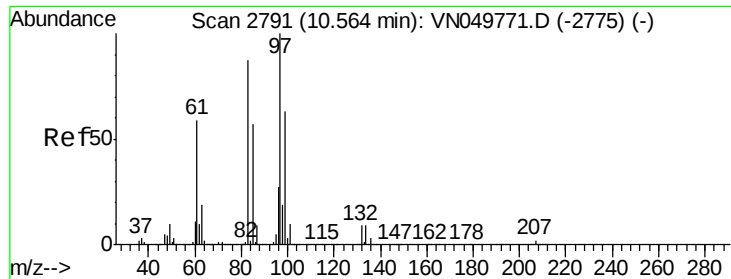
500000

0

9.75 9.80 9.85 9.90 9.95

Time-->





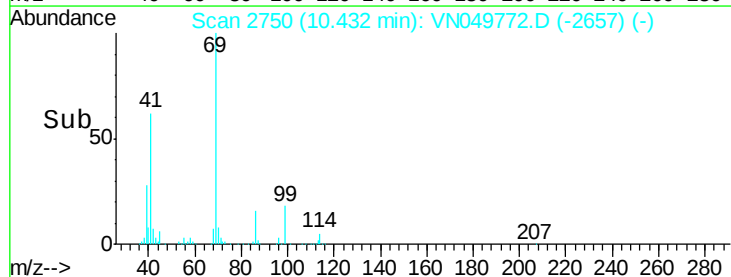
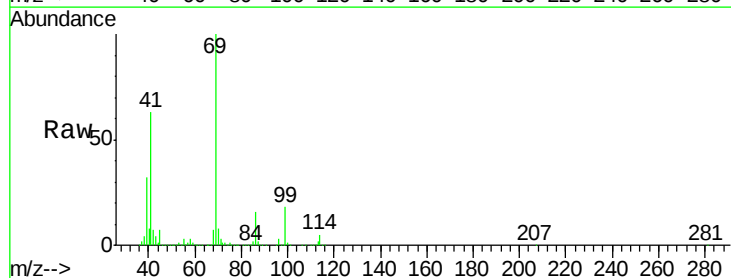
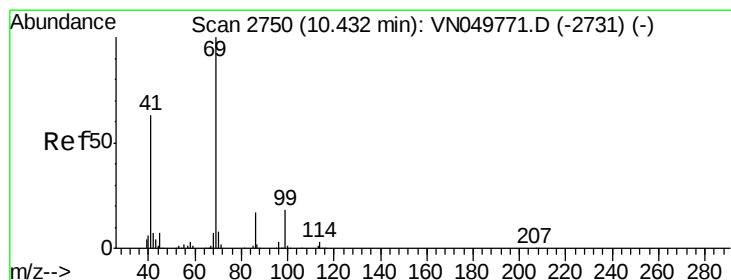
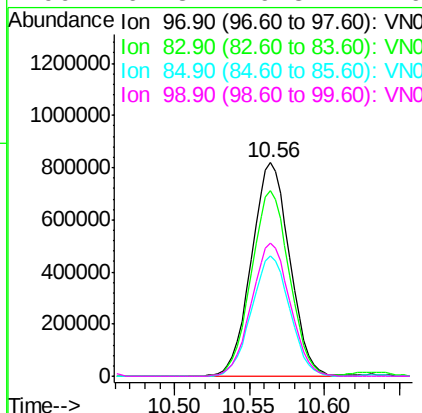
#55
 1,1,2-Trichloroethane
 Concen: 100.37 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tot Ion: 97 Resp: 1457887
 Ion Ratio Lower Upper
 97 100
 83 86.7 69.0 103.6
 85 56.4 44.9 67.3
 99 62.3 49.8 74.6

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

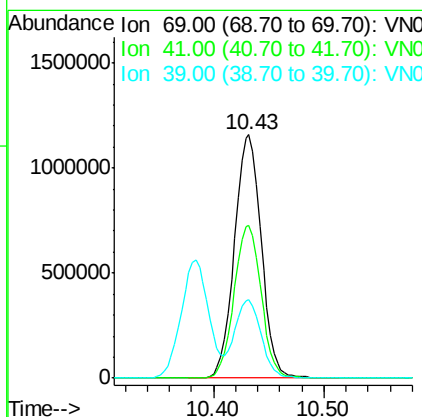
Manual Integrations
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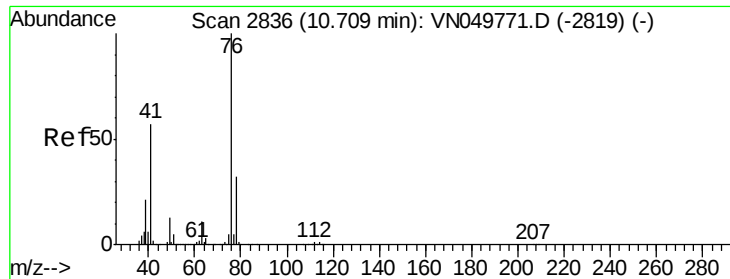
MMDadoda
 7/13/2018 1:35:10 PM



#56
 Ethyl methacrylate
 Concen: 114.73 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion: 69 Resp: 1953400
 Ion Ratio Lower Upper
 69 100
 41 62.7 51.6 77.4
 39 31.7 25.8 38.8





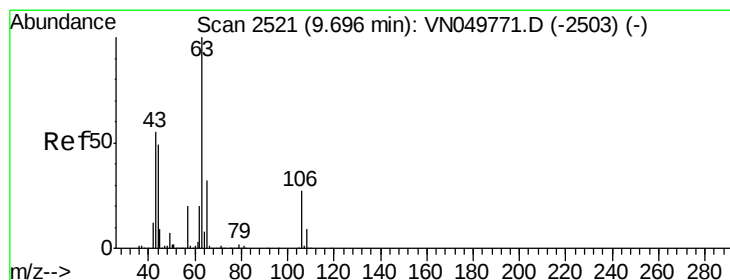
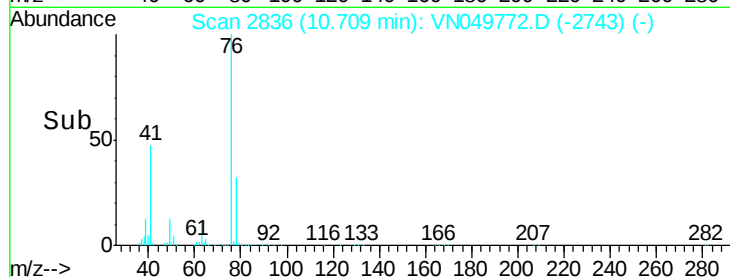
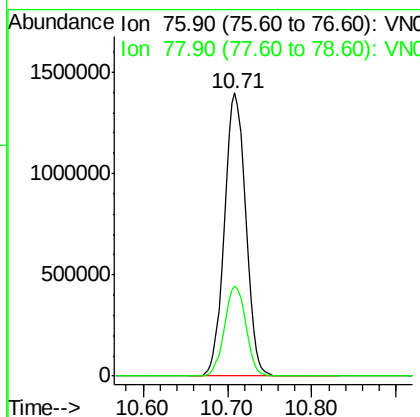
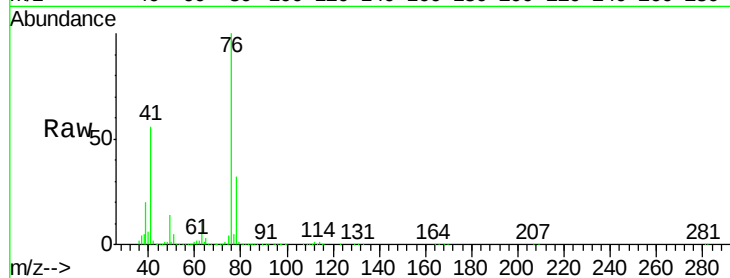
#57
 1,3-Dichloropropane
 Concen: 104.10 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 2451838
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.8 38.8

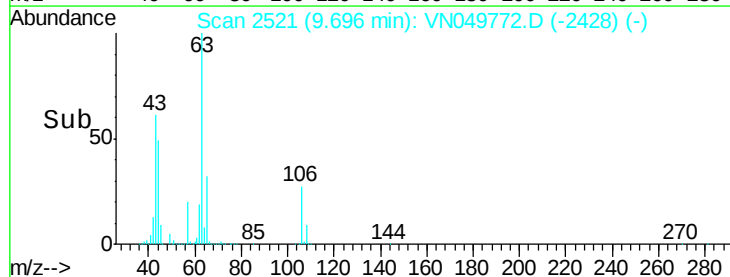
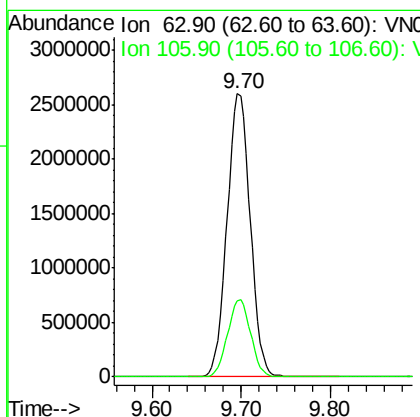
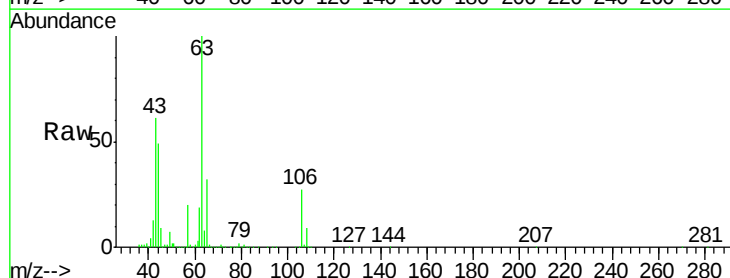
Manual Integrations
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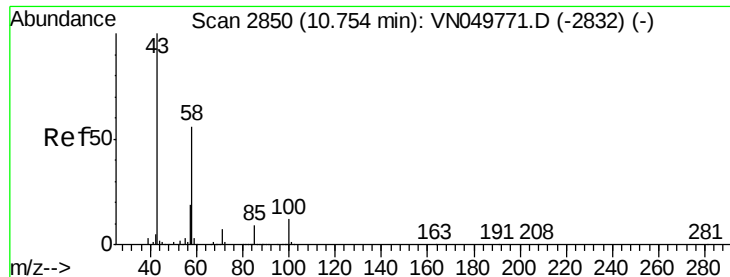
MMDadoda
 7/13/2018 1:35:10 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 590.47 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion: 63 Resp: 4680113
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.8 32.8





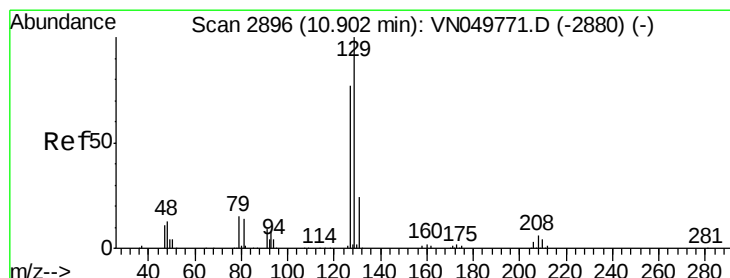
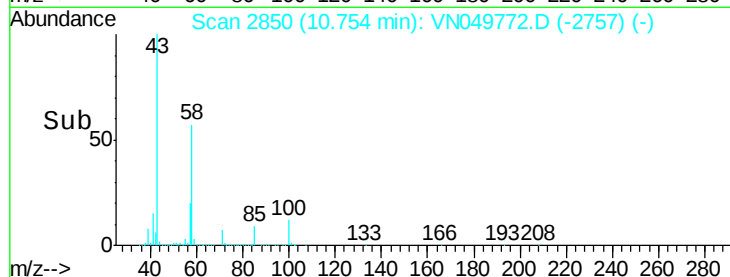
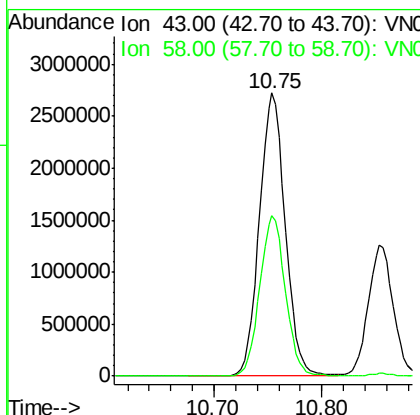
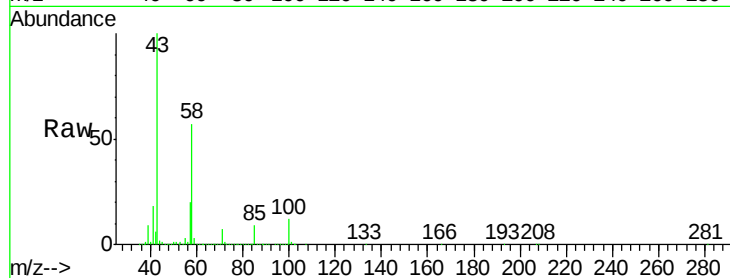
#59
2-Hexanone
Concen: 564.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 4517257
Ion Ratio Lower Upper
43 100
58 56.5 27.8 83.4

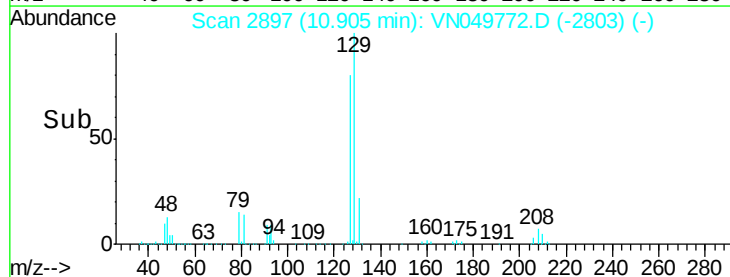
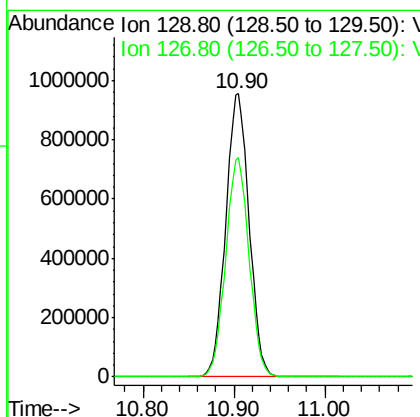
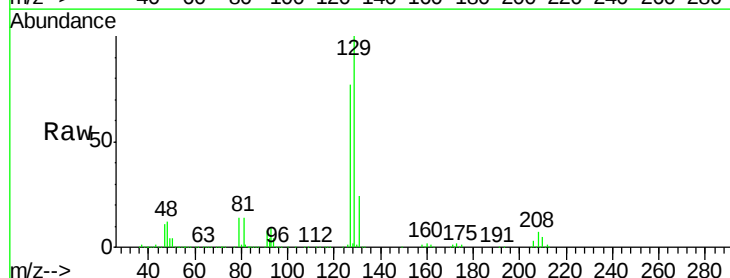
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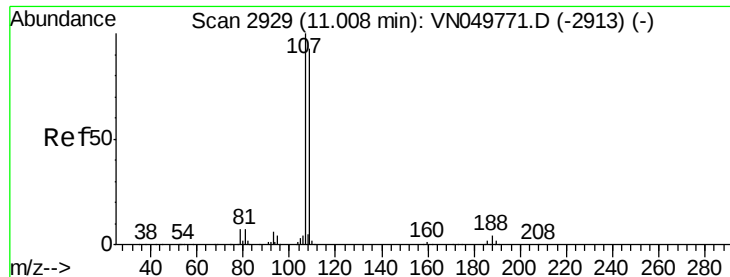
MMDadoda
7/13/2018 1:35:10 PM



#60
Dibromochloromethane
Concen: 108.75 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion: 129 Resp: 1707344
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9





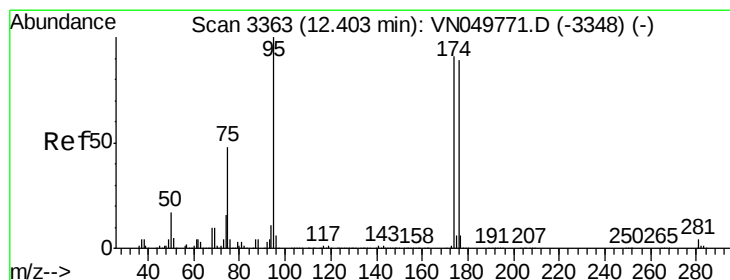
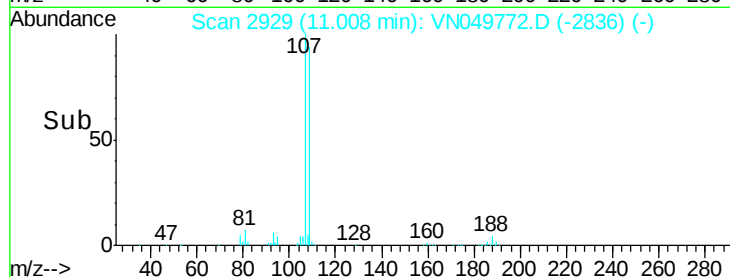
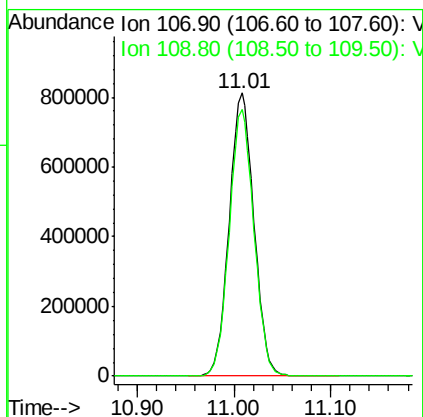
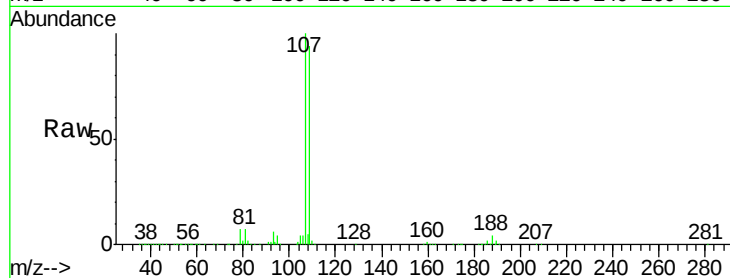
#61
 1,2-Dibromoethane
 Concen: 103.47 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:107 Resp: 1440030
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.0 112.6

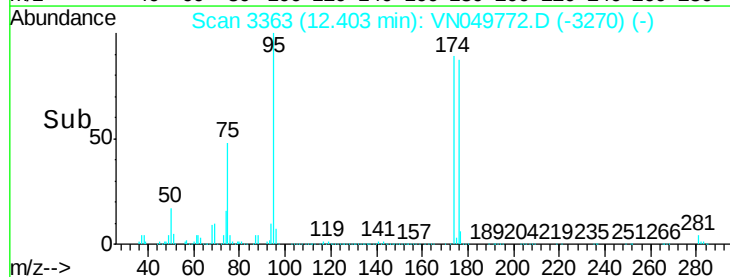
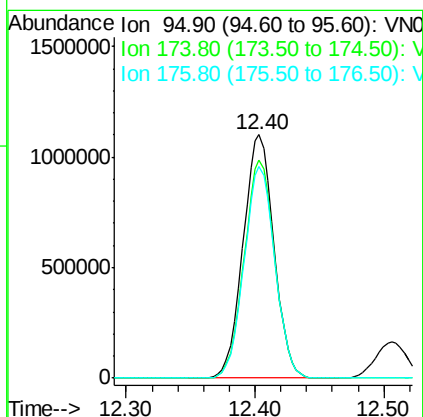
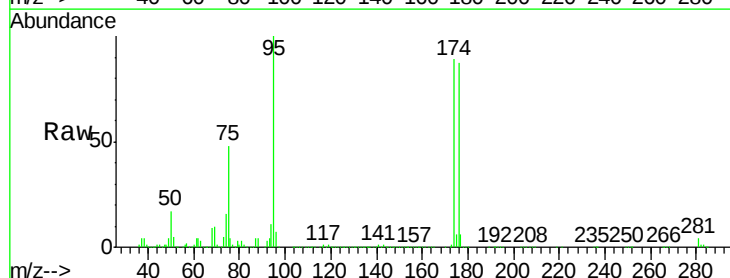
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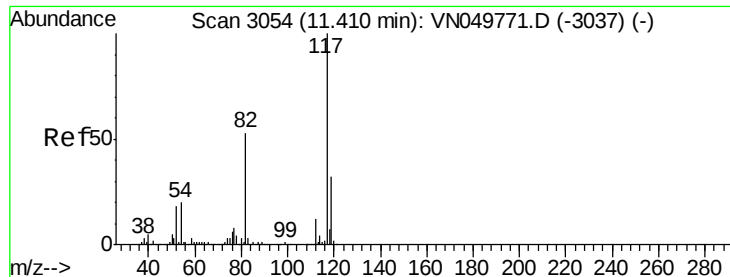
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#62
 4-Bromofluorobenzene
 Concen: 97.13 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion: 95 Resp: 1824051
 Ion Ratio Lower Upper
 95 100
 174 89.4 0.0 179.6
 176 87.0 0.0 174.0





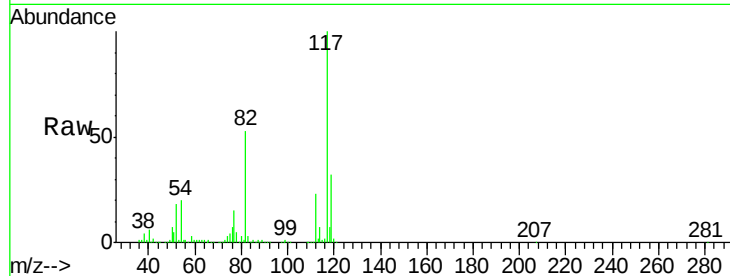
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

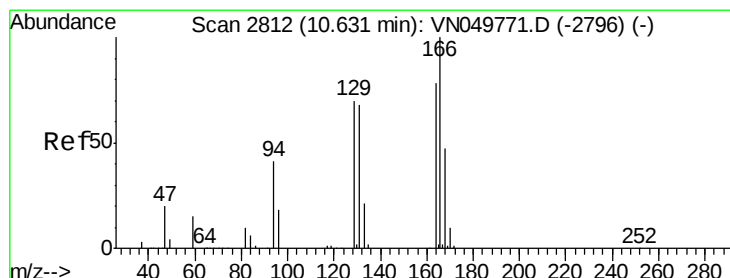
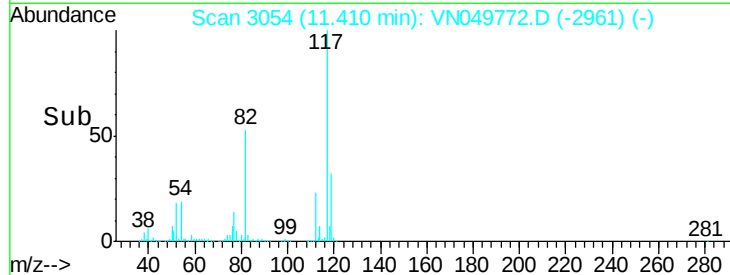
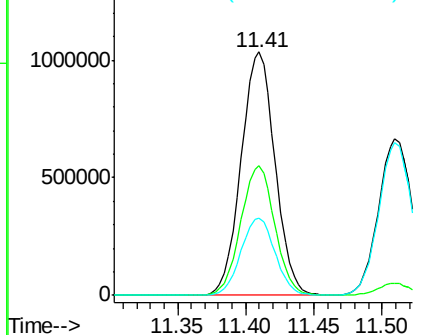
Tot Ion:117 Resp: 1788135
Ion Ratio Lower Upper
117 100
82 53.0 41.9 62.9
119 31.9 25.4 38.2

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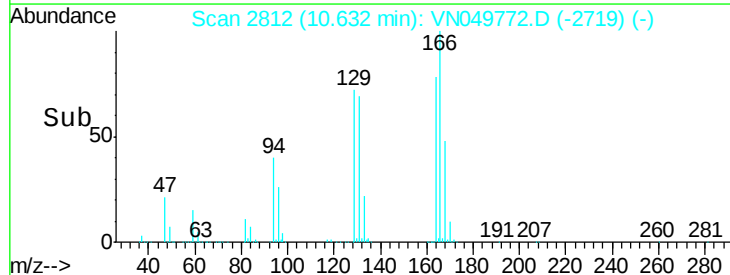
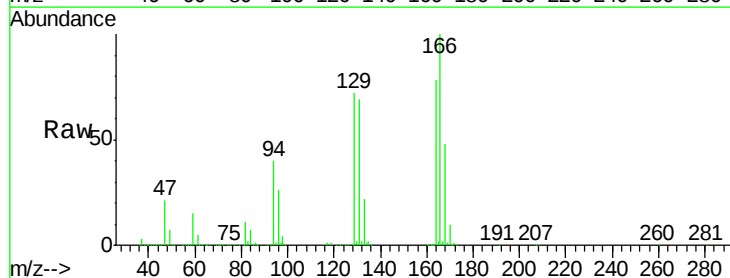
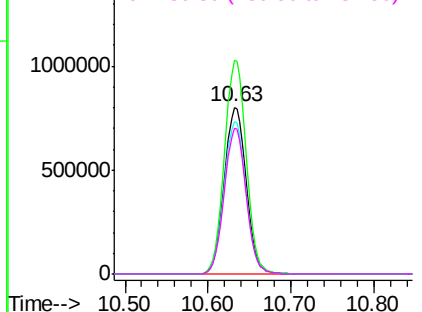
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

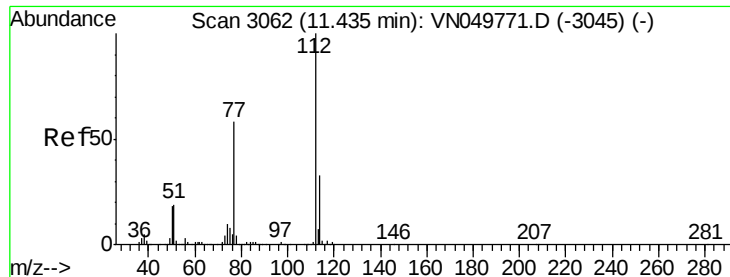


#64
Tetrachloroethene
Concen: 60.47 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion:164 Resp: 1464081
Ion Ratio Lower Upper
164 100
166 127.9 101.8 152.6
129 91.5 72.8 109.2
131 87.7 70.0 105.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 95.27 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 4443830

Ion Ratio Lower Upper

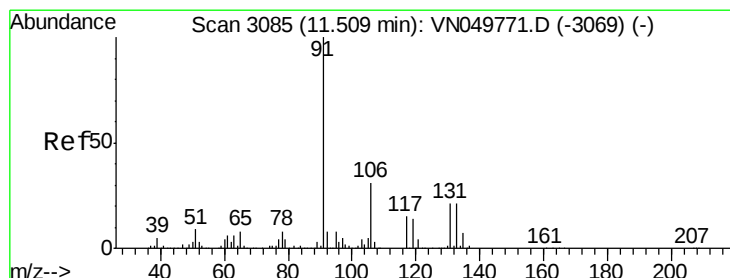
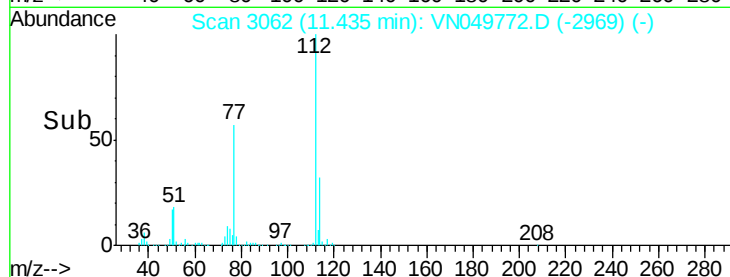
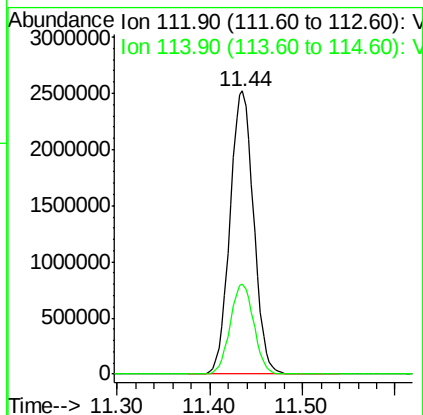
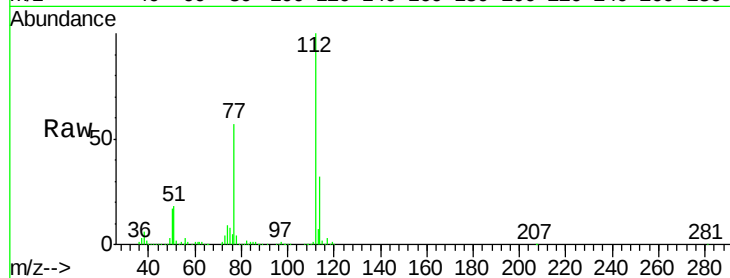
112 100

114 31.8 25.4 38.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 100.10 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

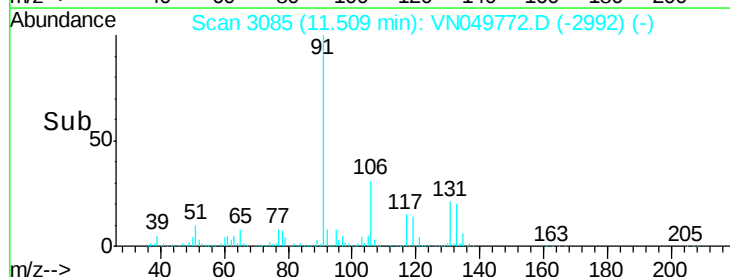
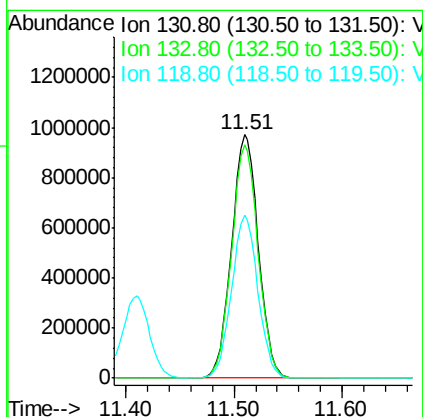
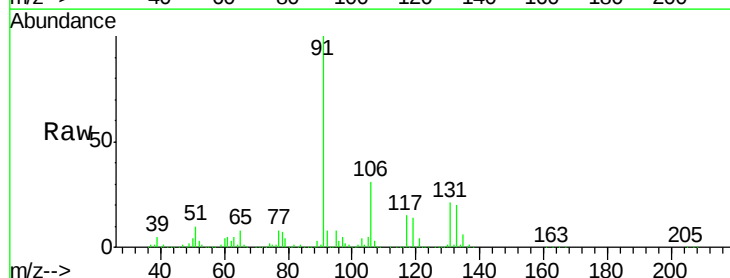
Tgt Ion:131 Resp: 1677789

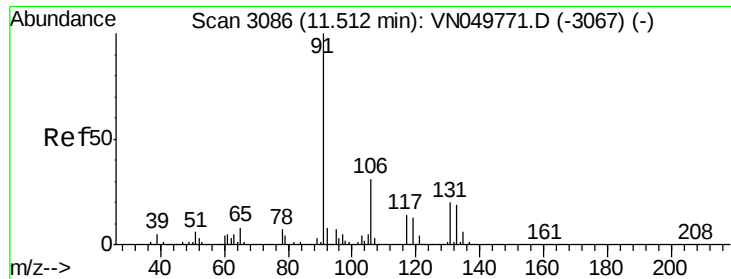
Ion Ratio Lower Upper

131 100

133 95.5 47.5 142.6

119 66.1 33.1 99.3





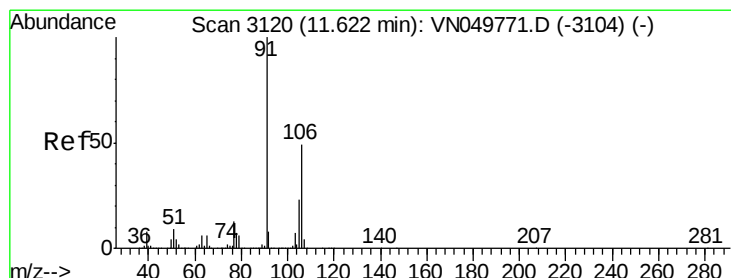
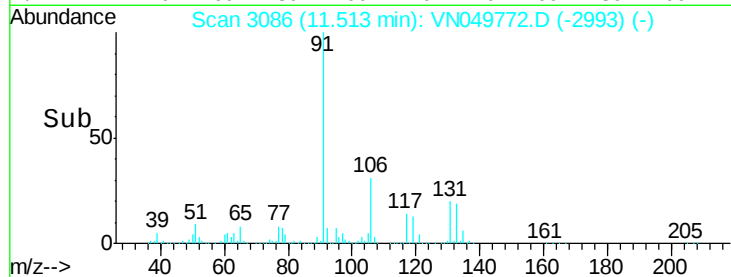
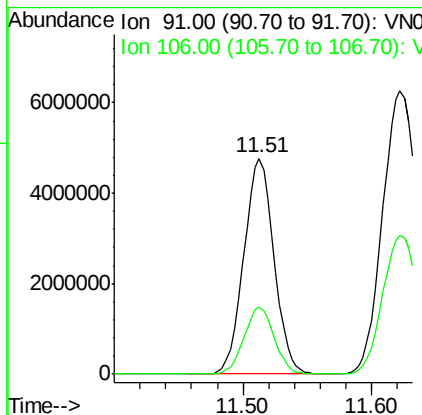
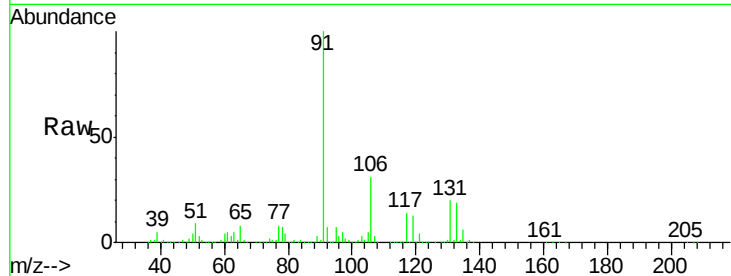
#67
Ethyl Benzene
Concen: 100.59 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 7756493
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

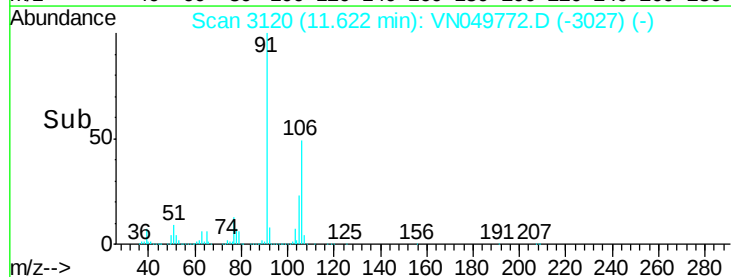
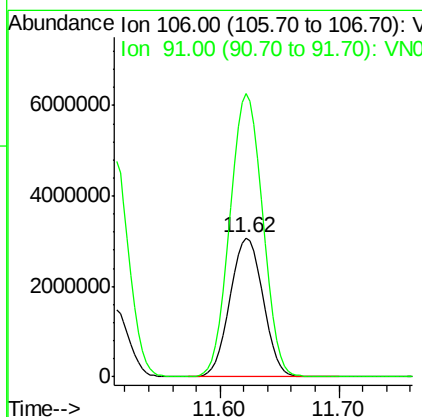
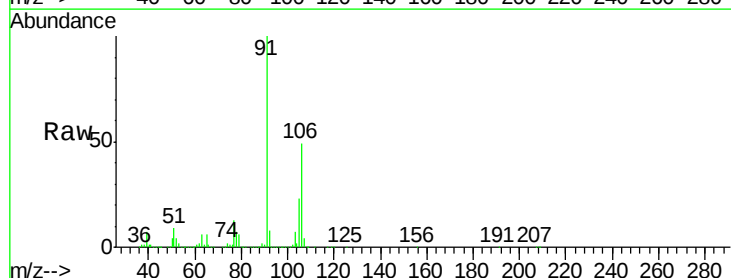
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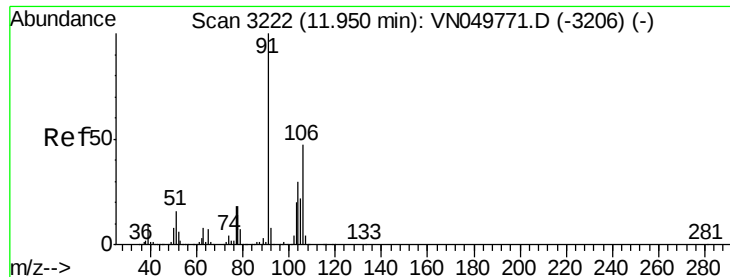
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#68
m/p-Xylenes
Concen: 199.86 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion: 106 Resp: 5905945
Ion Ratio Lower Upper
106 100
91 203.1 163.4 245.2





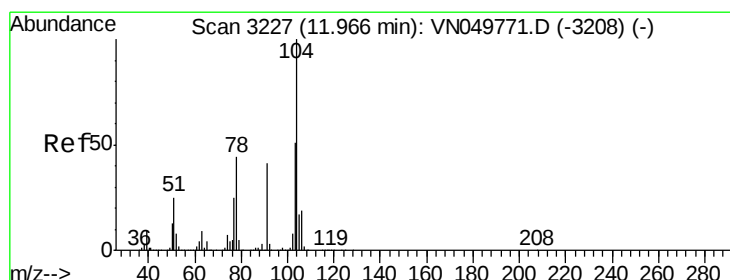
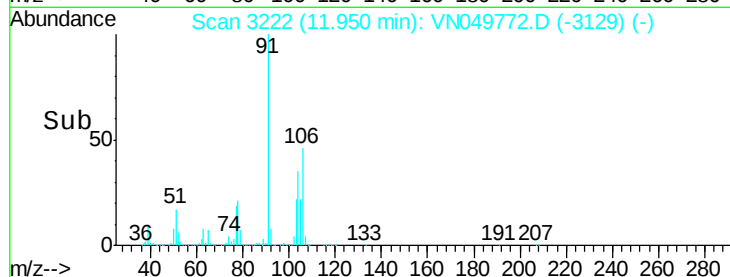
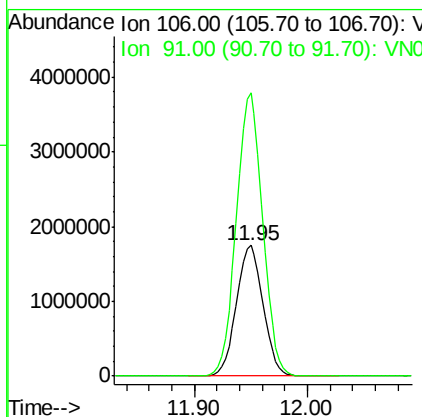
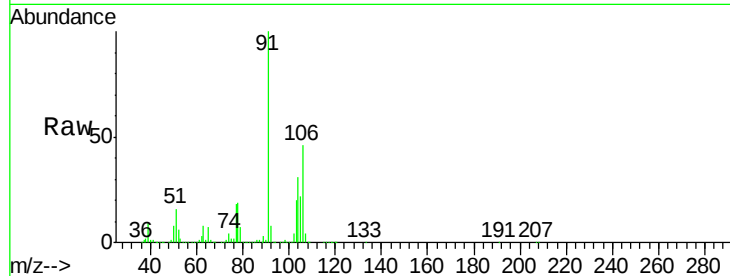
#69
o-Xylene
Concen: 101.22 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2863658
Ion Ratio Lower Upper
106 100
91 214.8 108.7 326.1

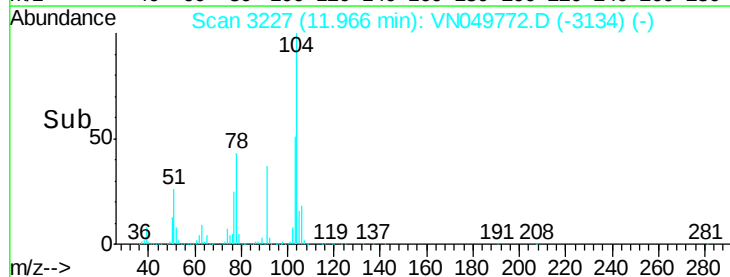
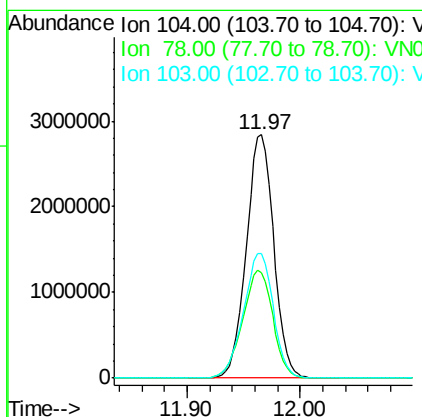
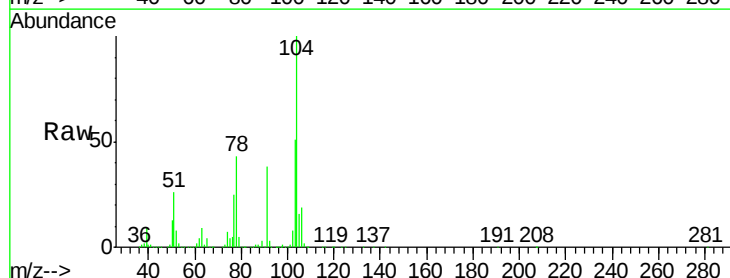
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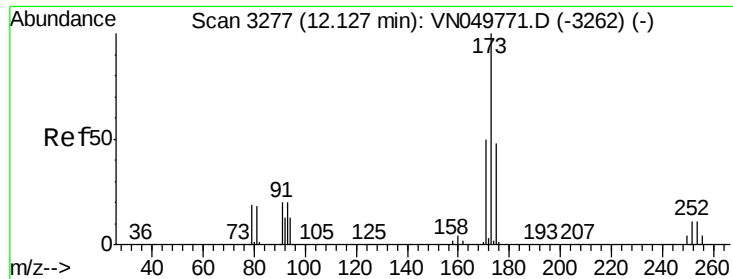
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#70
Styrene
Concen: 104.96 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion:104 Resp: 4804588
Ion Ratio Lower Upper
104 100
78 48.7 39.2 58.8
103 55.6 44.6 67.0





#71

Bromoform

Concen: 109.39 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 1218304

Ion Ratio Lower Upper

173 100

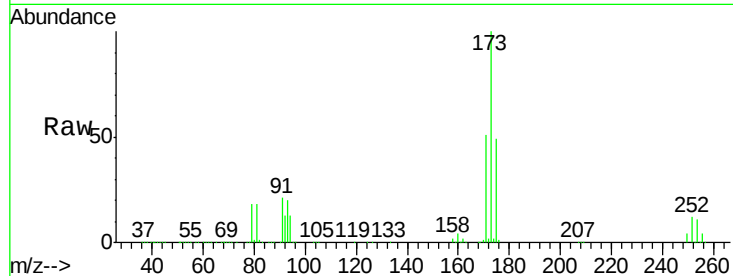
175 48.9 24.6 73.8

254 0.2 0.2 0.2

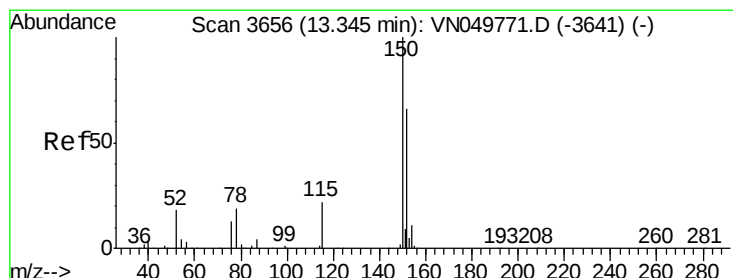
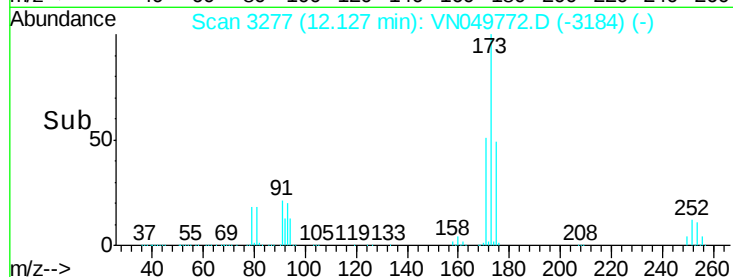
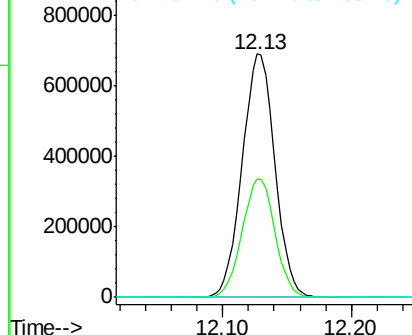
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

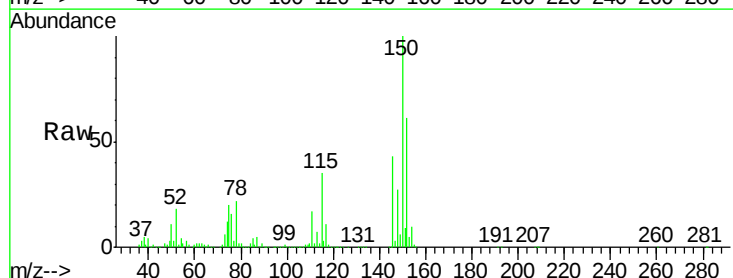
Tgt Ion:152 Resp: 980557

Ion Ratio Lower Upper

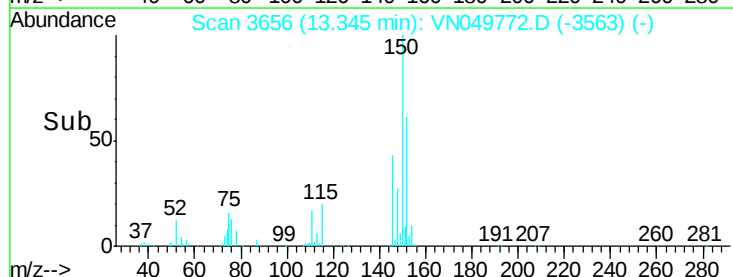
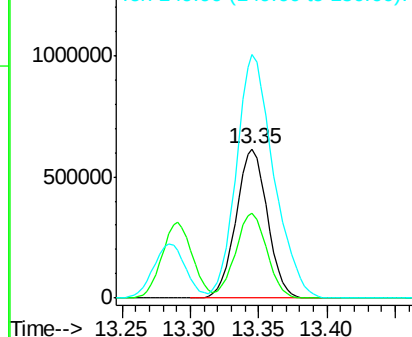
152 100

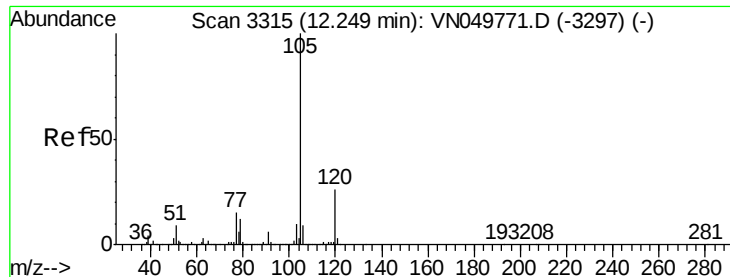
115 56.8 28.1 84.2

150 193.5 0.0 347.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 98.55 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 7697333

Ion Ratio Lower Upper

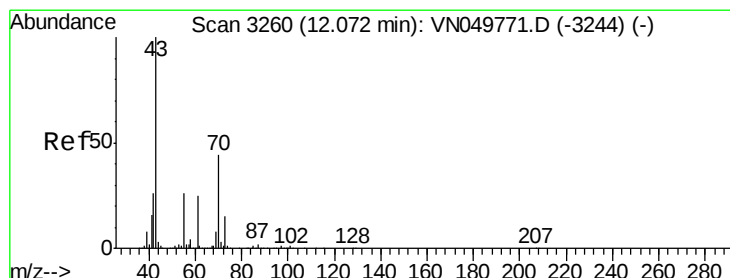
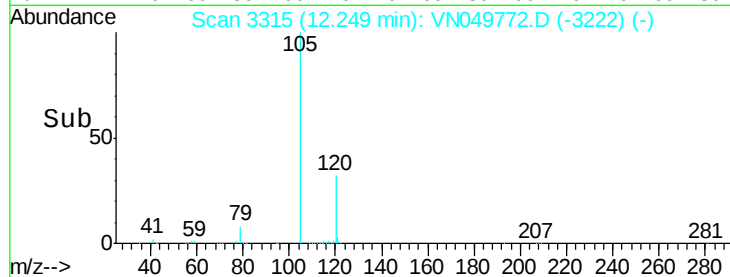
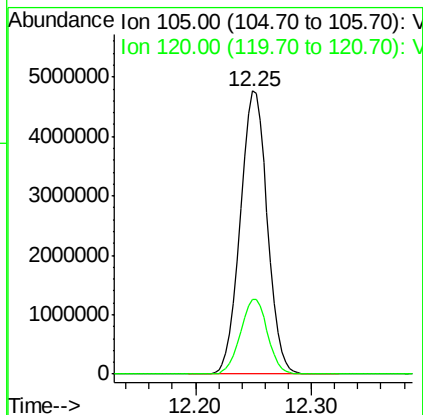
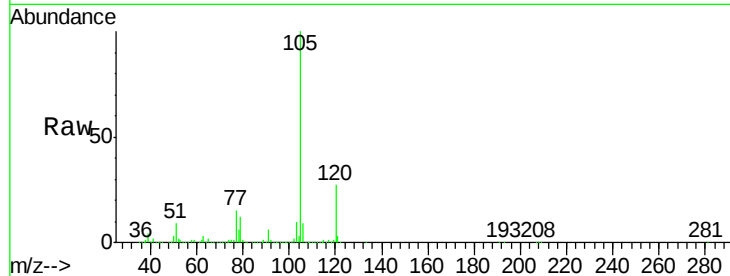
105 100

120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 101.77 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Tgt Ion: 43 Resp: 2171306

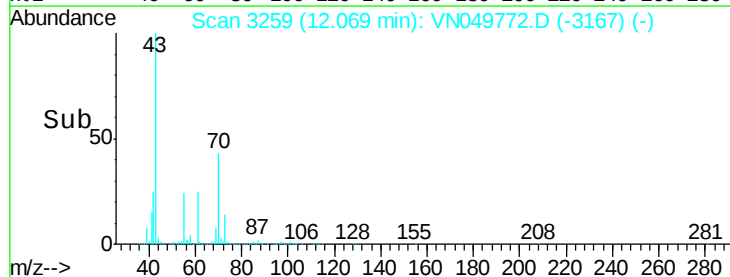
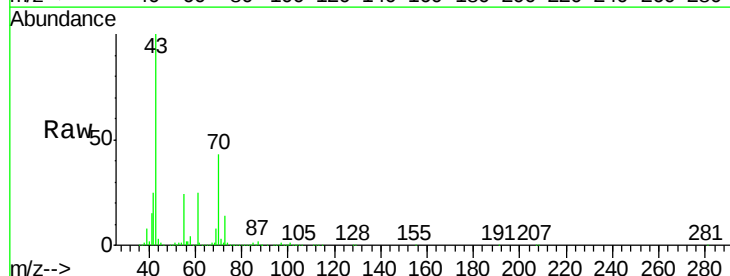
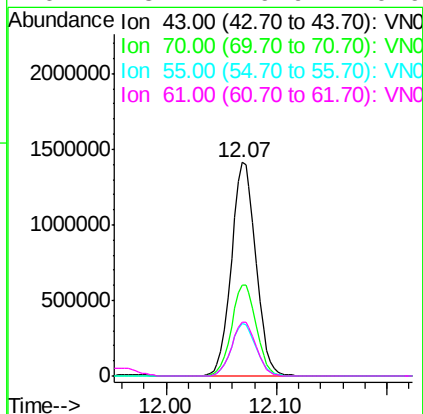
Ion Ratio Lower Upper

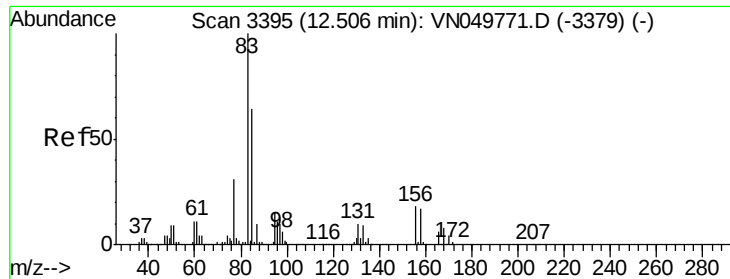
43 100

70 43.1 34.8 52.2

55 24.8 20.9 31.3

61 25.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 99.77 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 83 Resp: 1840187

Ion Ratio Lower Upper

83 100

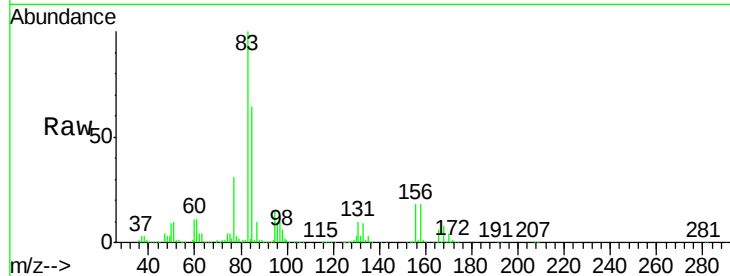
131 10.7 5.2 15.6

85 64.2 32.5 97.4

Manual Integrations
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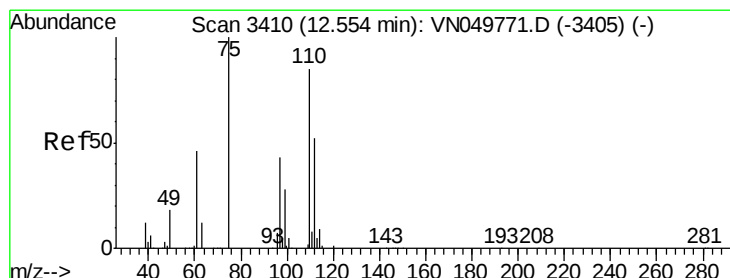
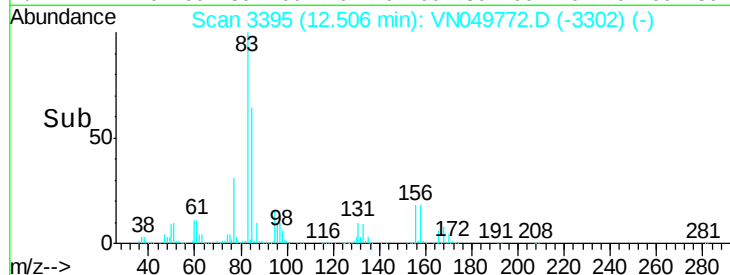
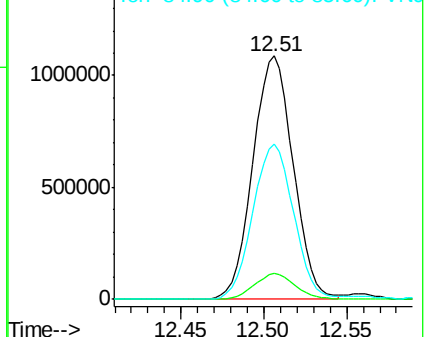
7/13/2018 1:35:10 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049772.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049772.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049772.D (-3302) (-)



#76

1,2,3-Trichloropropane

Concen: 99.64 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN049772.D

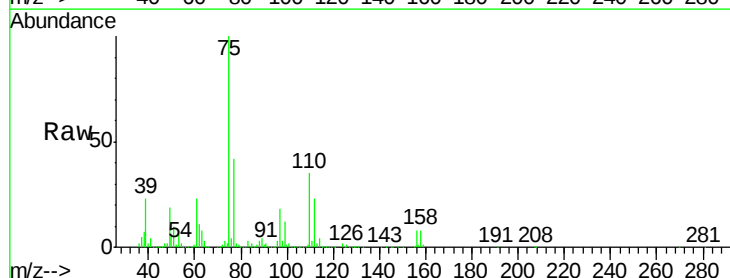
Acq: 12 Jul 2018 12:32

Tgt Ion: 75 Resp: 1566930

Ion Ratio Lower Upper

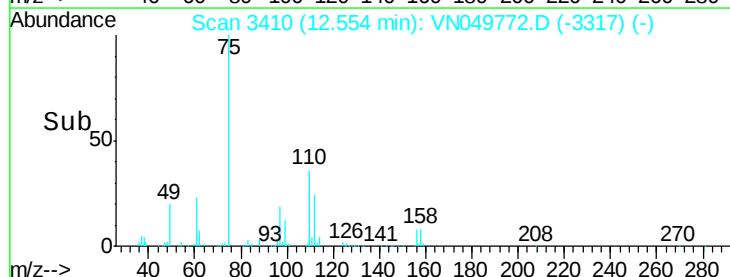
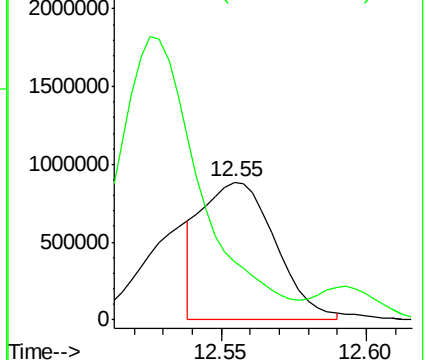
75 100

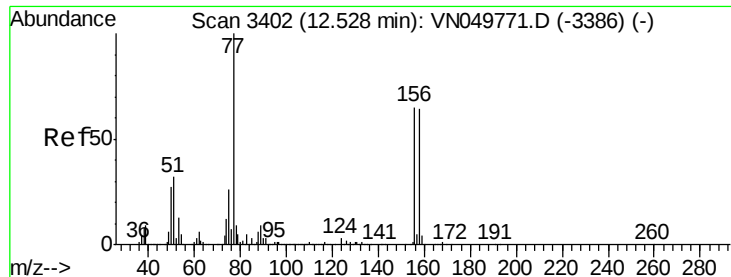
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049772.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049772.D (-3317) (-)





#77

Bromobenzene

Concen: 93.59 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 1987747

Ion Ratio Lower Upper

156 100

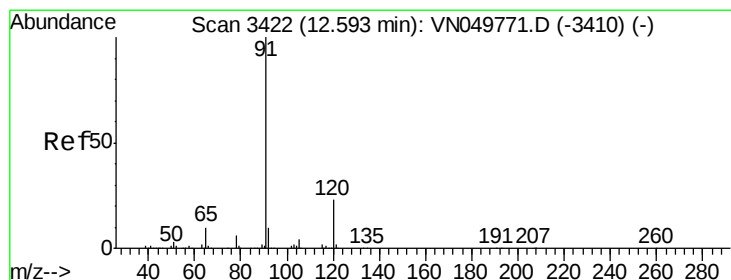
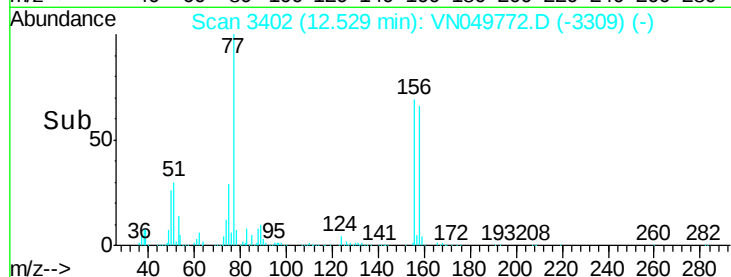
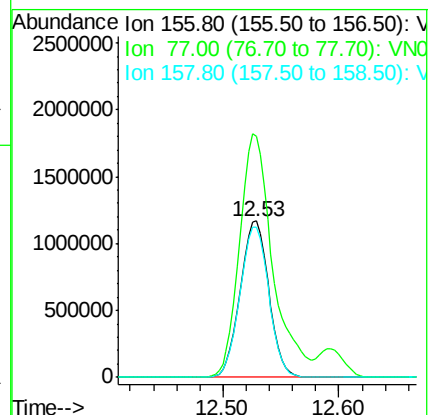
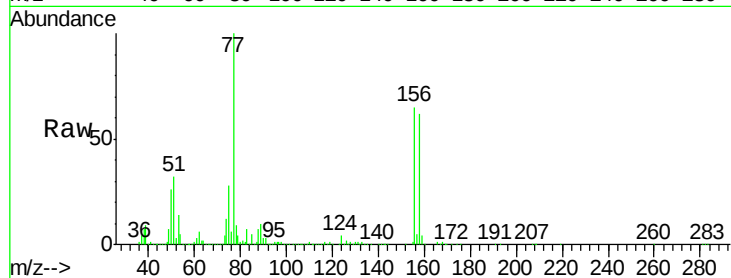
77 181.6 90.2 270.6

158 97.3 49.1 147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 99.58 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049772.D

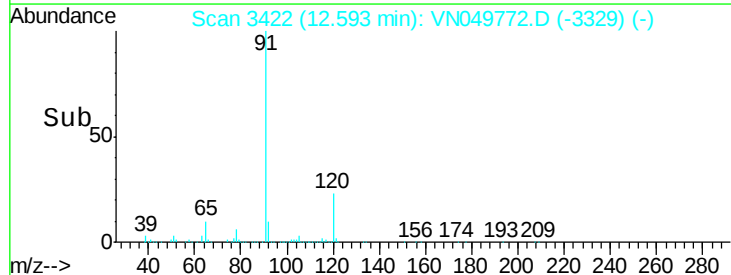
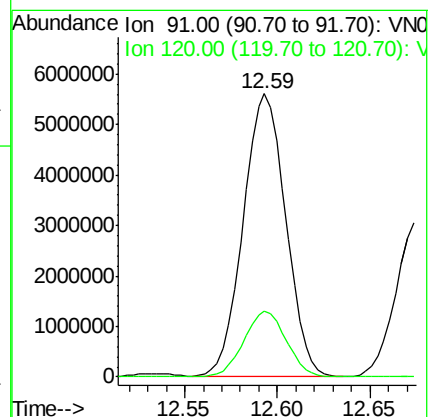
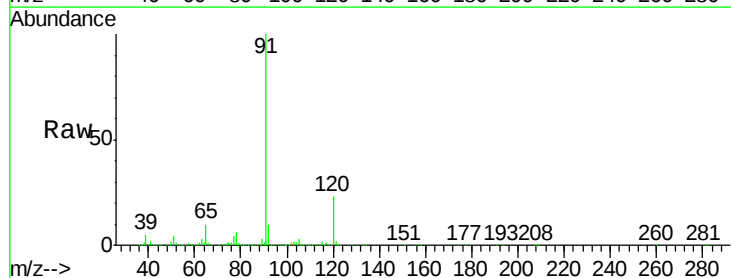
Acq: 12 Jul 2018 12:32

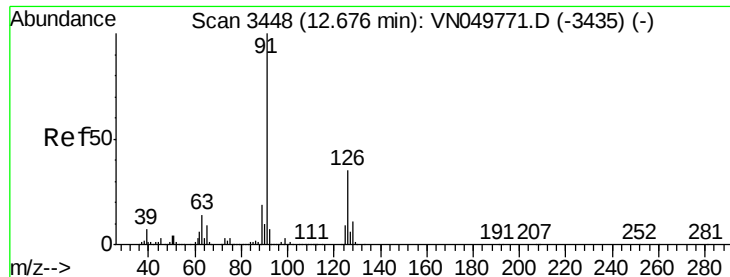
Tgt Ion: 91 Resp: 8914345

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.4





#79

2-Chlorotoluene

Concen: 92.82 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 5258636

Ion Ratio Lower Upper

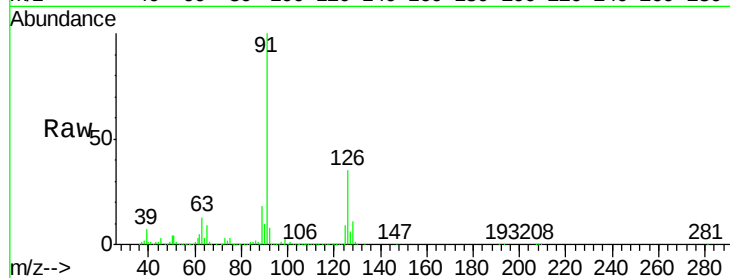
91 100

126 34.8 17.5 52.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049771.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049771.D (-3435) (-)

6000000

5000000

4000000

3000000

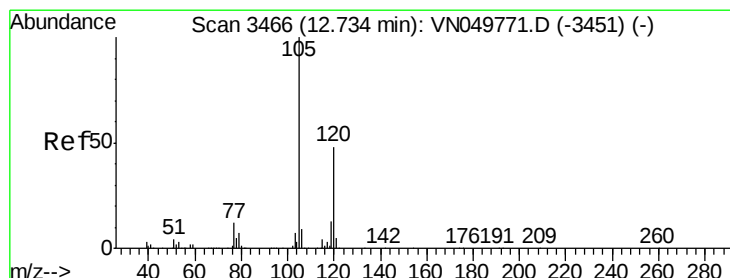
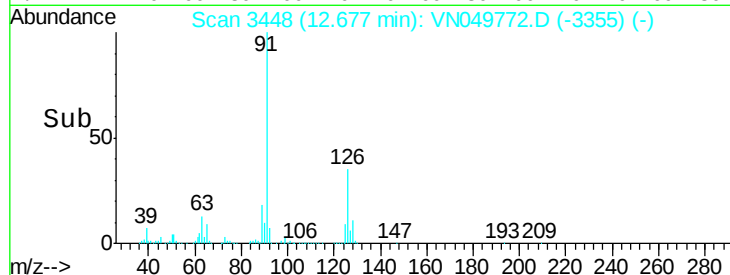
2000000

1000000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 97.70 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049772.D

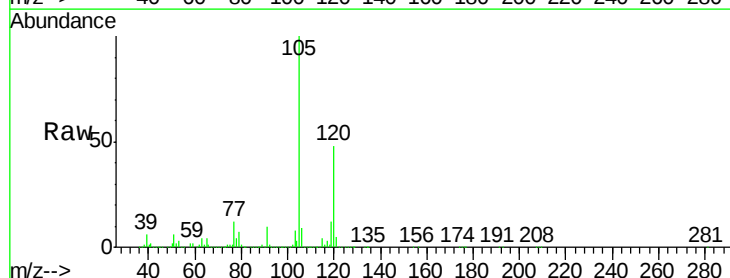
Acq: 12 Jul 2018 12:32

Tgt Ion: 105 Resp: 6341186

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049771.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049771.D (-3451) (-)

4000000

3000000

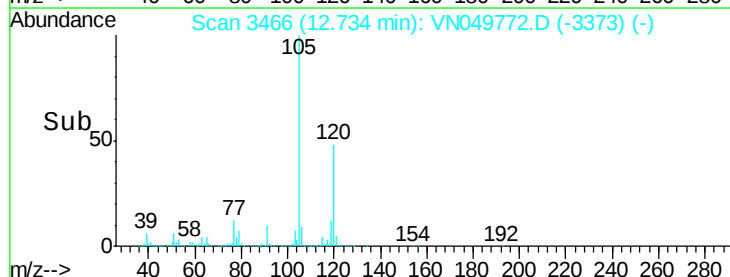
2000000

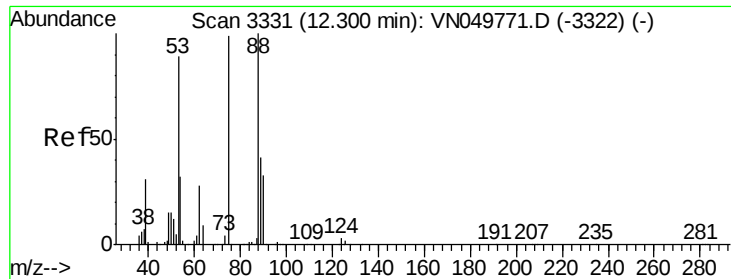
1000000

0

12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 123.18 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

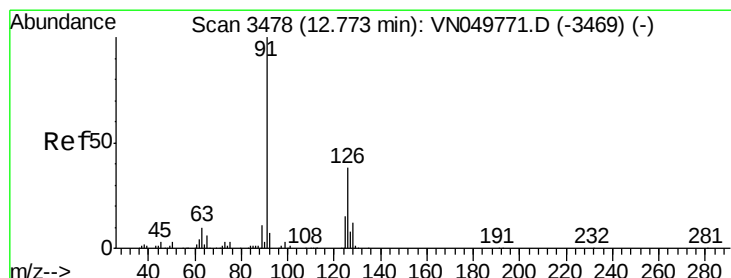
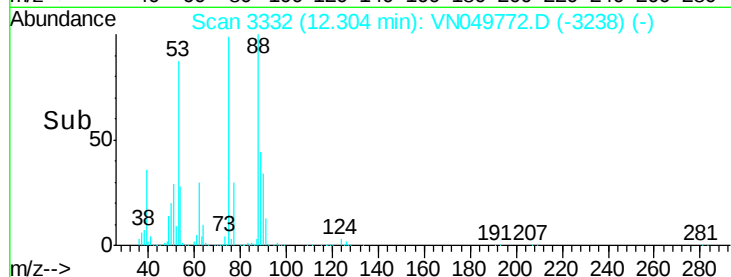
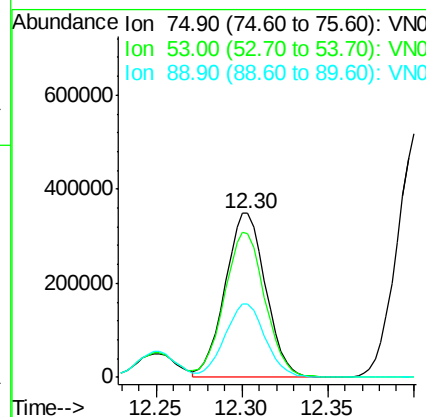
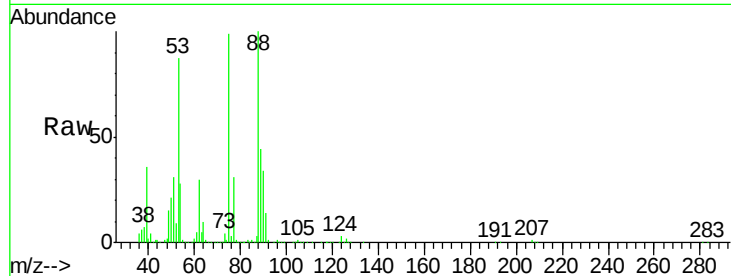
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	570352
Ion Ratio	Lower	Upper	
75	100		
53	89.3	73.9	110.9
89	45.3	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 93.49 ug/l

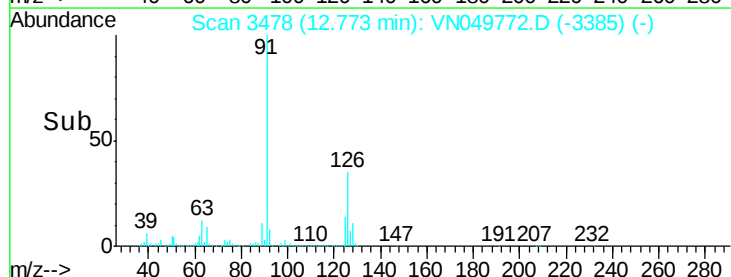
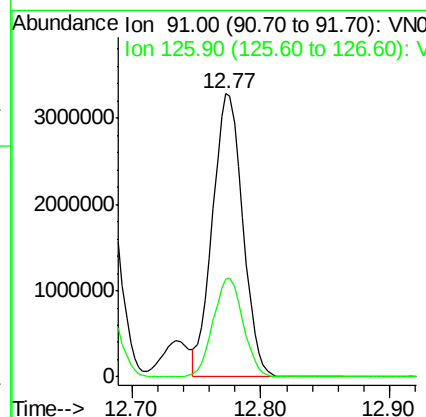
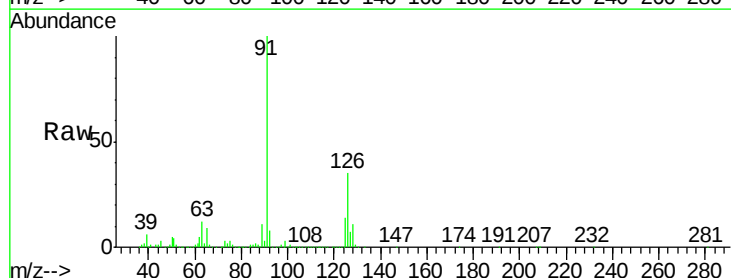
RT: 12.77 min Scan# 3478

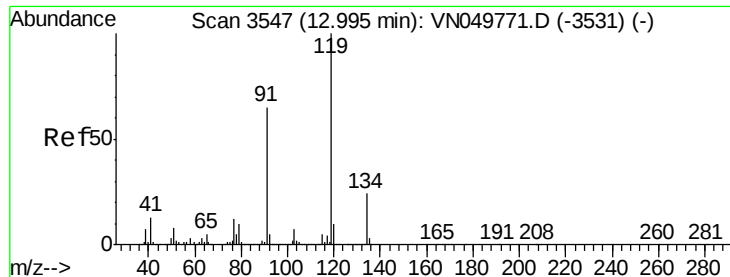
Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Tgt Ion:	91	Resp:	5325360
Ion Ratio	Lower	Upper	
91	100		
126	34.8	17.2	51.6





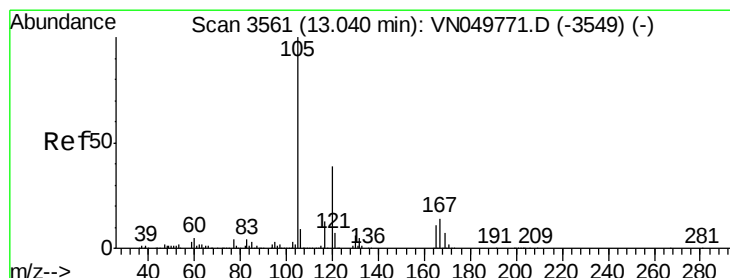
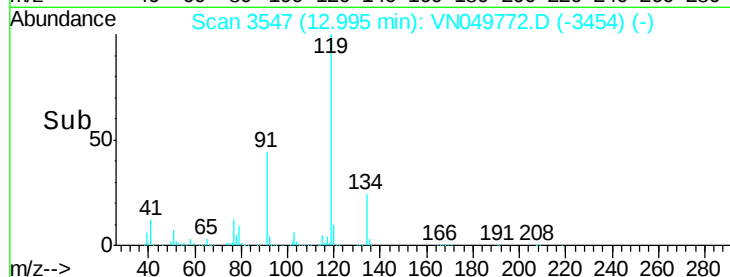
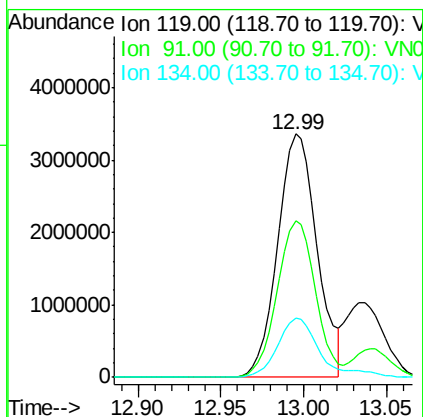
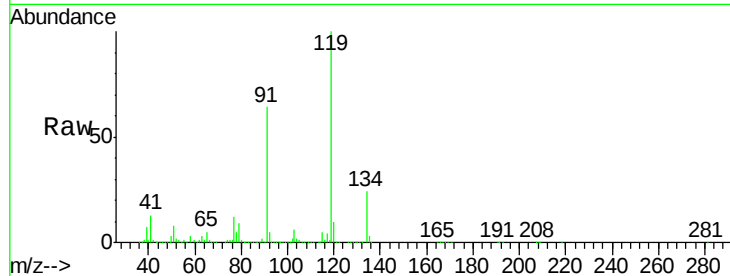
#83
 tert-Butylbenzene
 Concen: 99.88 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:119 Resp: 5568981
 Ion Ratio Lower Upper
 119 100
 91 62.9 32.0 96.2
 134 26.1 12.8 38.4

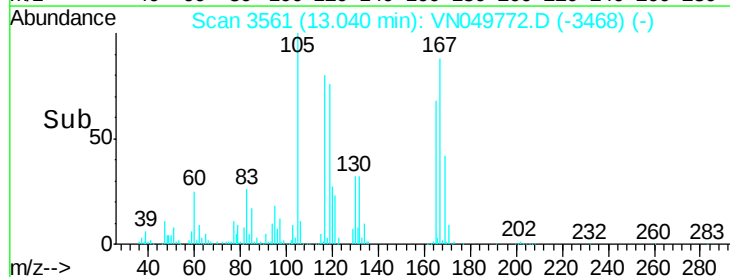
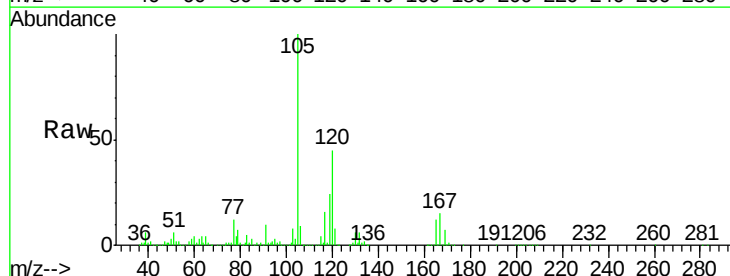
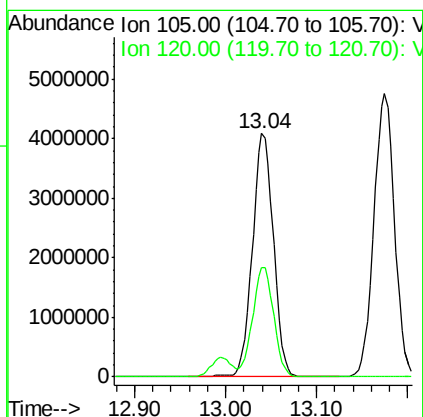
Manual Integrations
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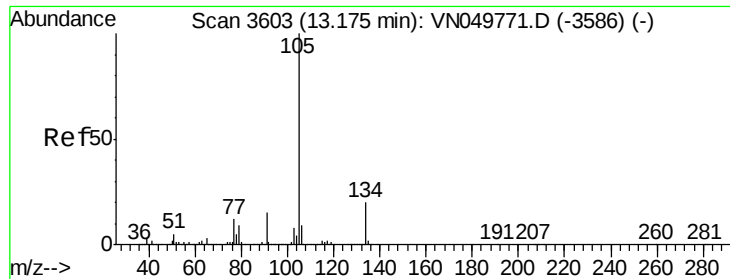
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 97.96 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion:105 Resp: 6533072
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.7 68.1





#85

sec-Butylbenzene

Concen: 100.99 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 7460657

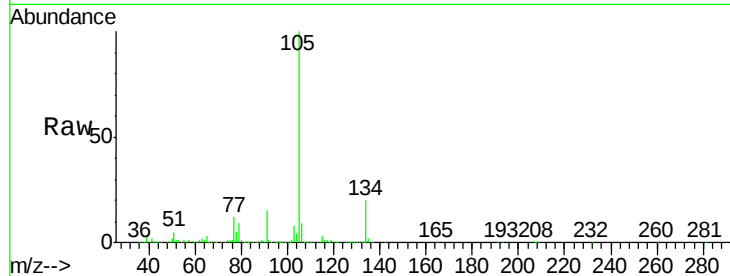
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

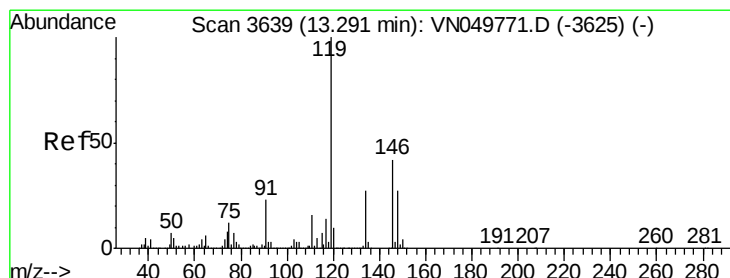
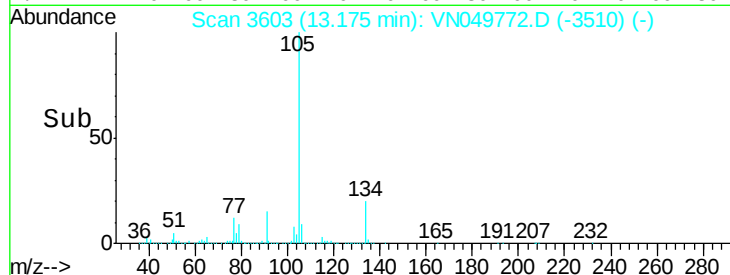
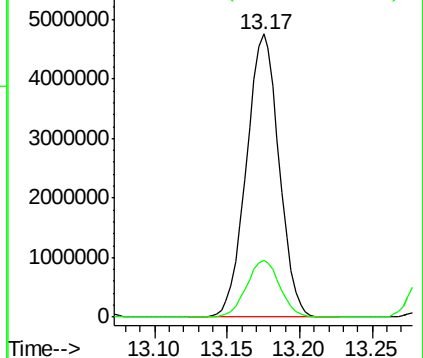
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 102.51 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

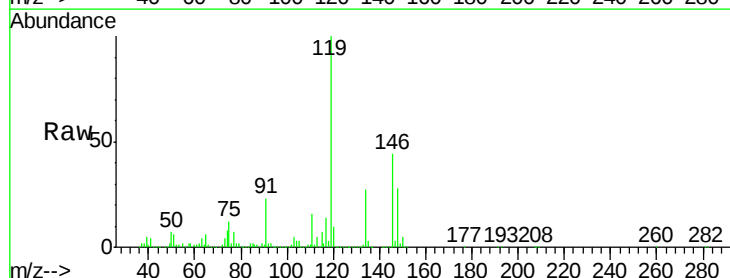
Tgt Ion:119 Resp: 6559130

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

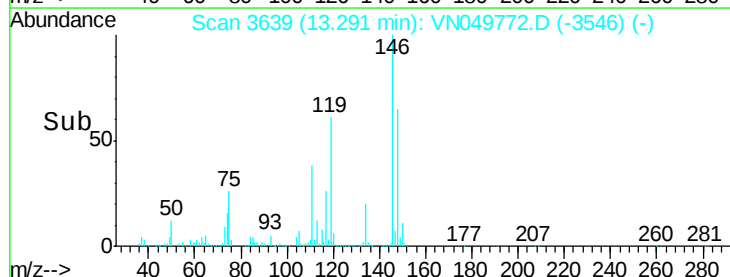
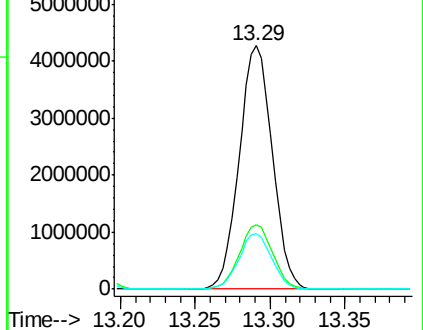
91 22.7 11.4 34.1

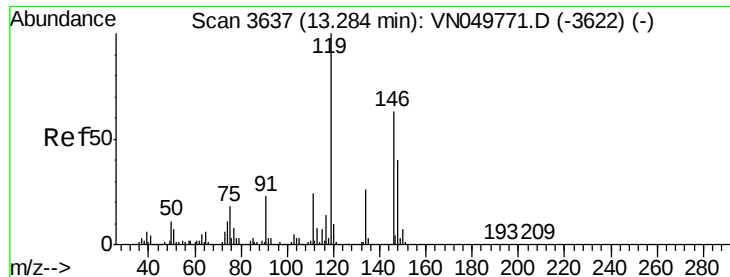


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





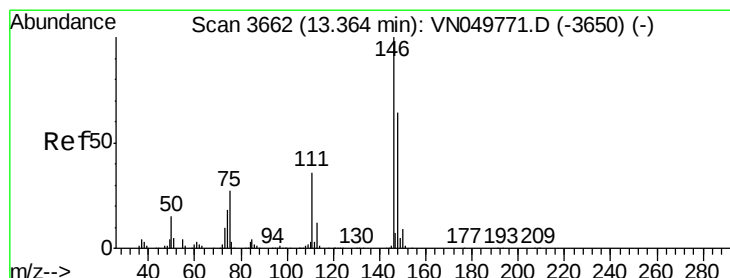
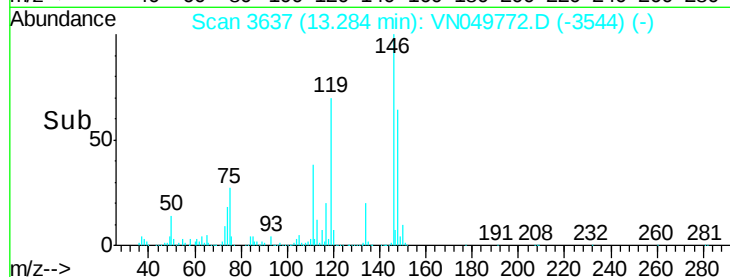
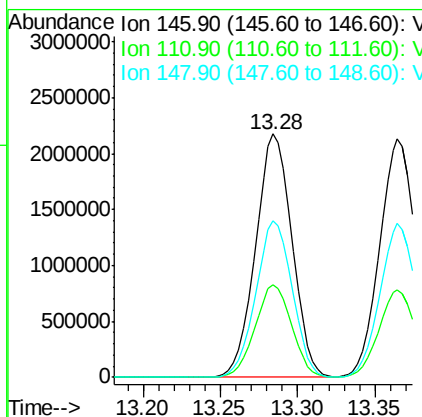
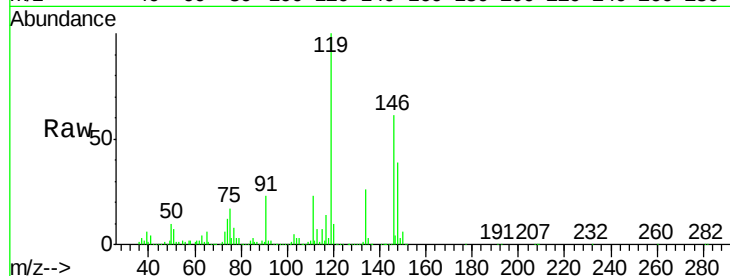
#87
 1,3-Dichlorobenzene
 Concen: 91.00 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.0	57.0
148	64.2	32.5	97.5

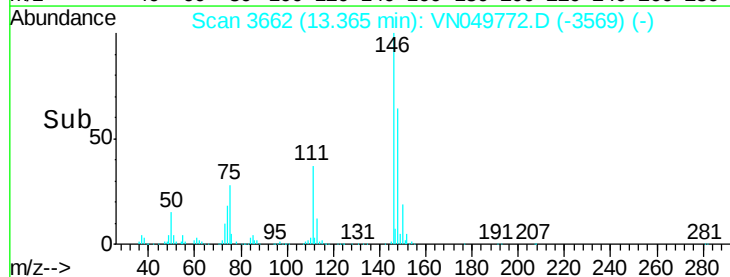
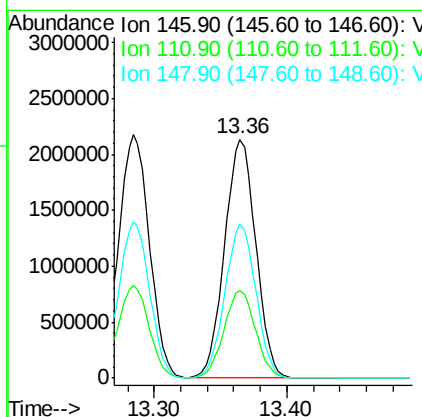
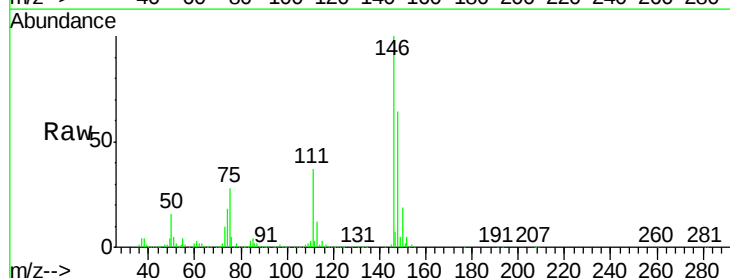
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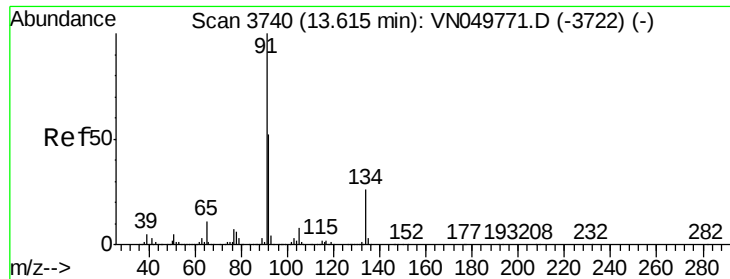
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#88
 1,4-Dichlorobenzene
 Concen: 89.04 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	64.1	32.1	96.3





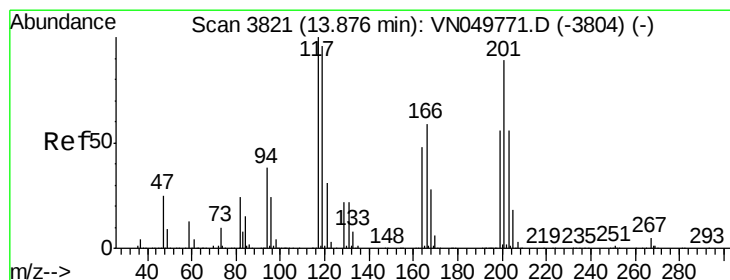
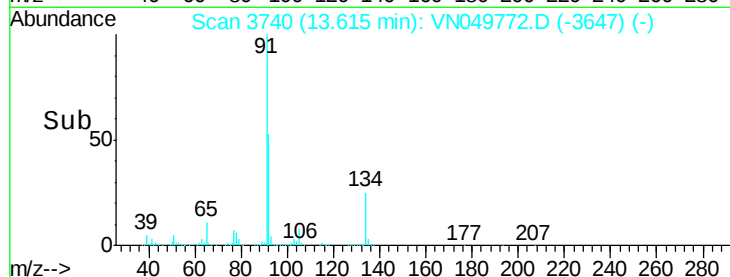
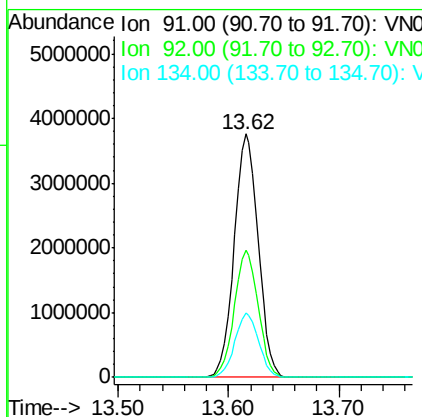
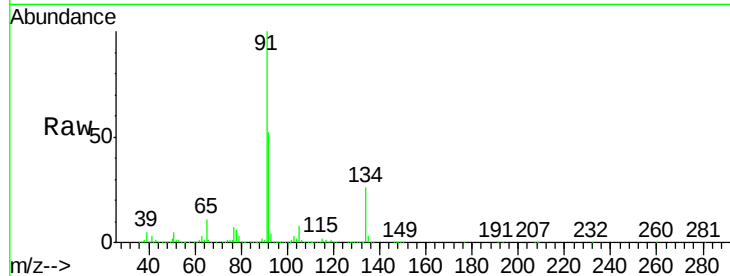
#89
n-Butylbenzene
Concen: 103.15 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 91 Resp: 5650673
Ion Ratio Lower Upper
91 100
92 51.9 25.8 77.3
134 26.3 13.0 38.9

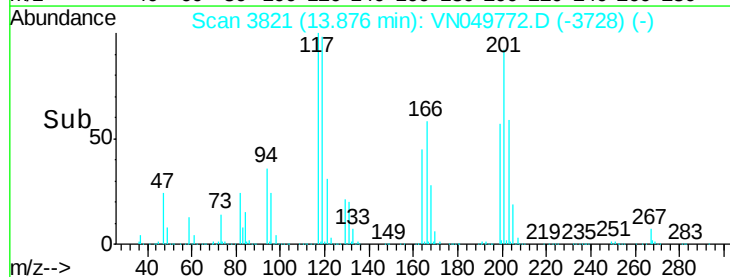
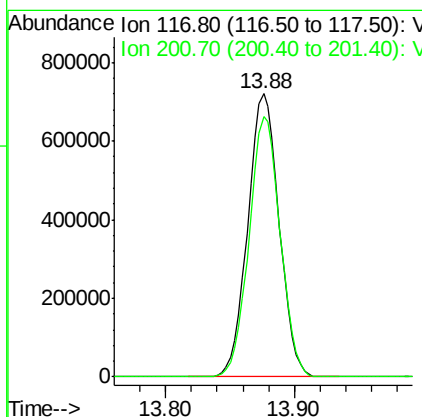
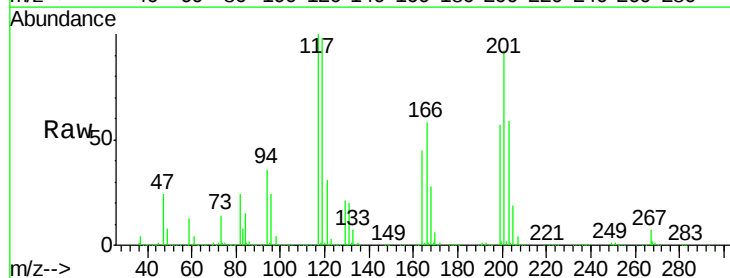
Manual Integrations
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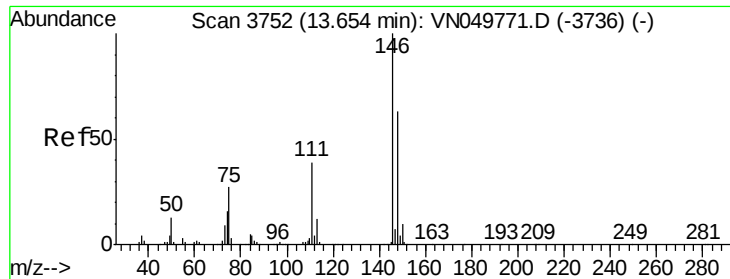
MMDadoda
7/13/2018 1:35:10 PM



#90
Hexachloroethane
Concen: 181.00 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion: 117 Resp: 1216500
Ion Ratio Lower Upper
117 100
201 91.6 45.3 135.8





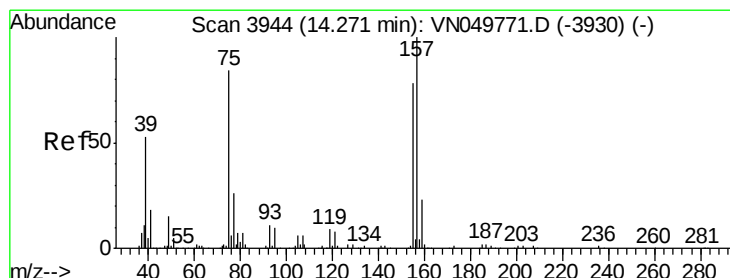
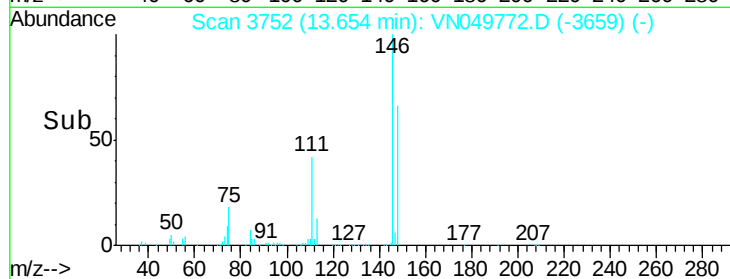
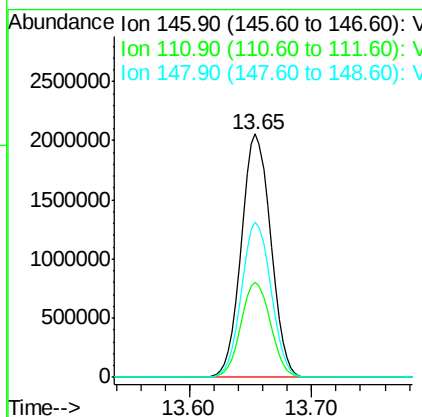
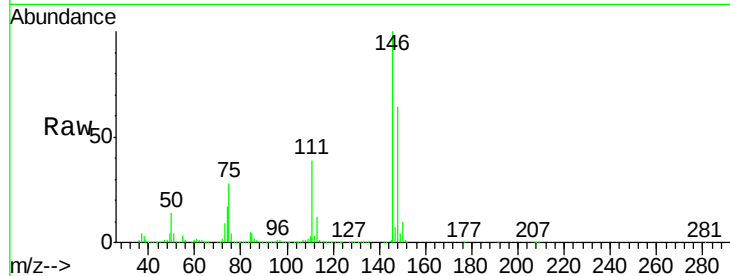
#91
 1,2-Dichlorobenzene
 Concen: 89.57 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	63.9	32.0	96.2

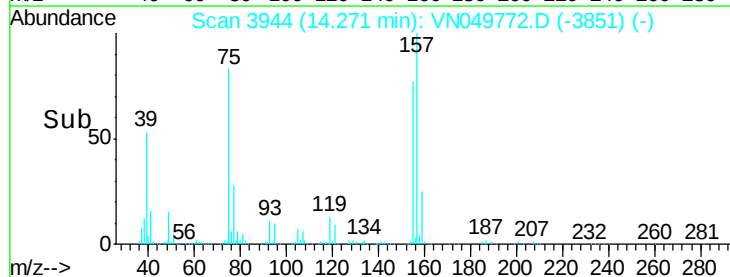
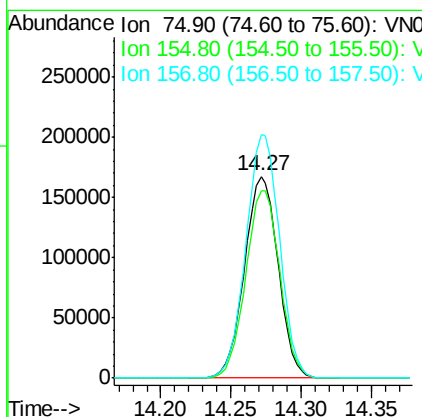
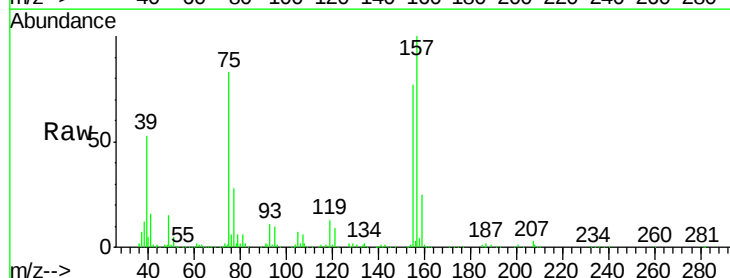
Manual Integrations
 APPROVED

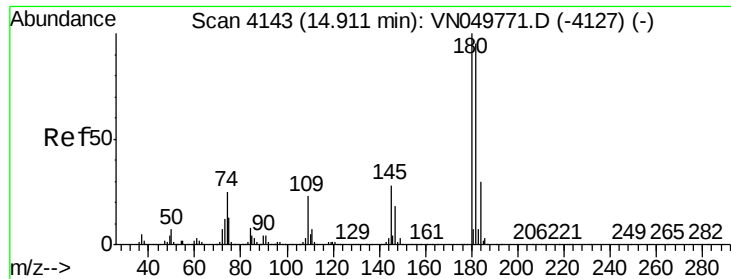
MMDadoda
 7/13/2018 1:35:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.97 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049772.D
 Acq: 12 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.9	45.7	137.1
157	121.2	56.9	170.7





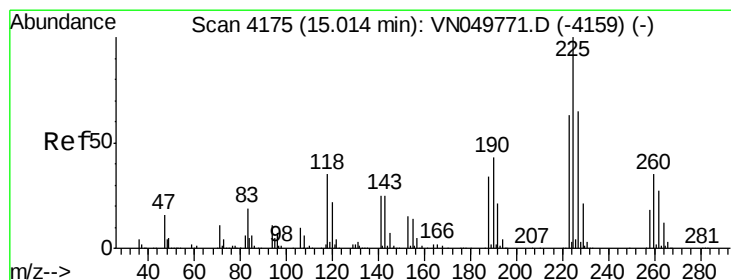
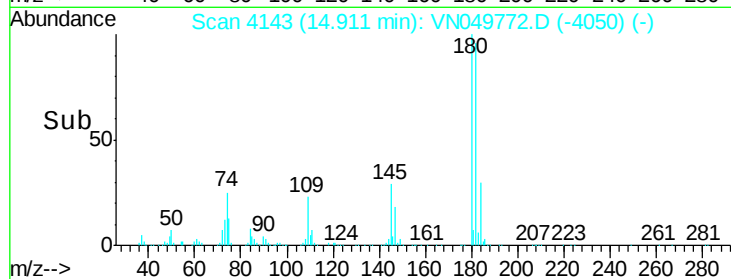
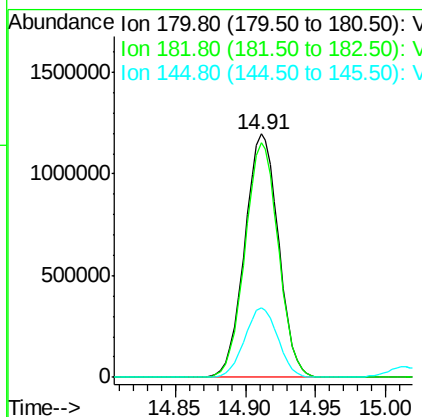
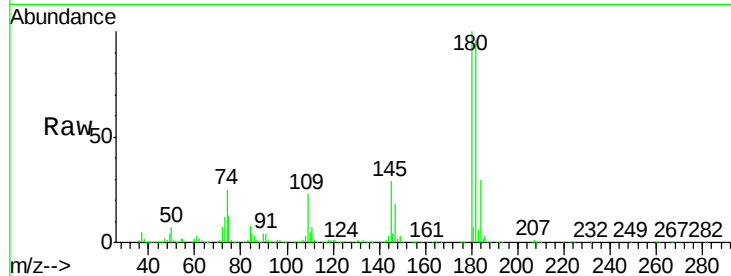
#93
1,2,4-Trichlorobenzene
Concen: 114.05 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. 0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	141.9
145	28.5	14.4	43.0

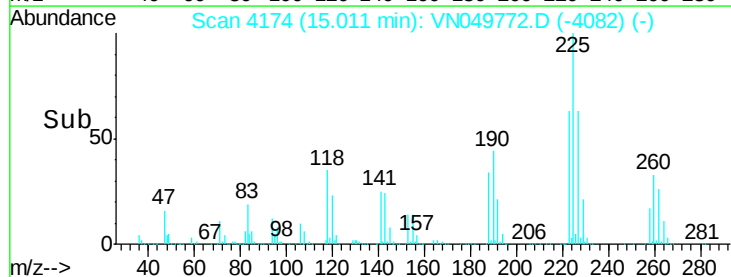
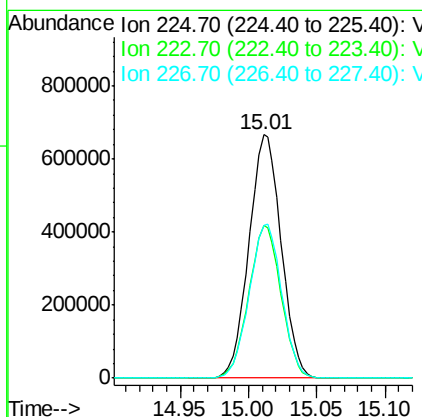
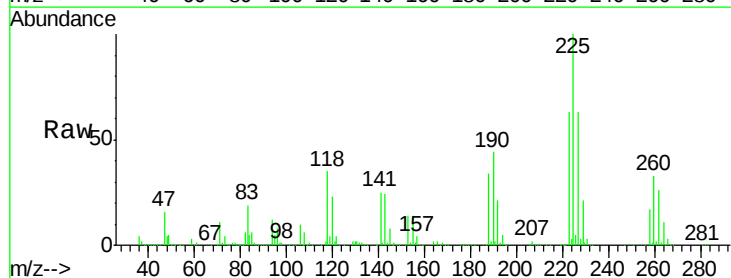
Manual Integrations
APPROVED

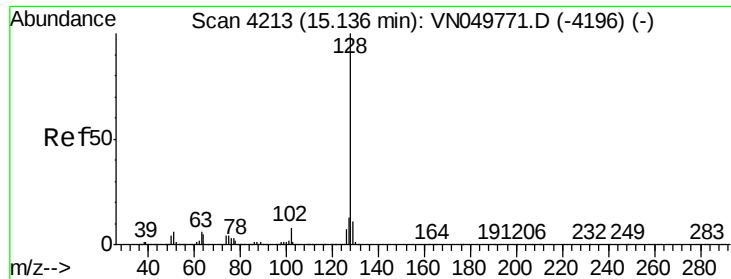
MMDadoda
7/13/2018 1:35:10 PM



#94
Hexachlorobutadiene
Concen: 89.73 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN049772.D
Acq: 12 Jul 2018 12:32

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.7
227	63.7	31.8	95.4





#95

Naphthalene

Concen: 116.79 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 4397691

Ion Ratio Lower Upper

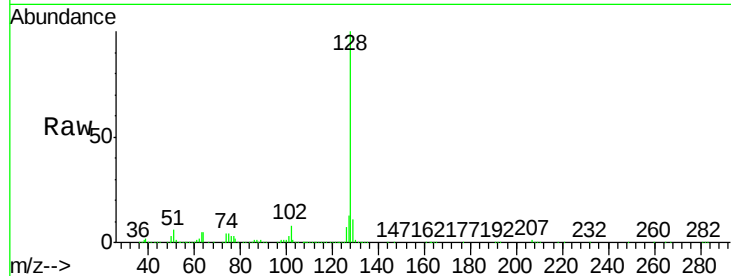
128 100

127 12.8 10.4 15.6

129 10.7 8.6 13.0

Manual Integrations
APPROVED

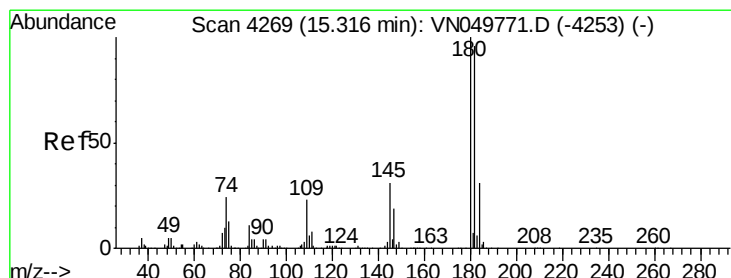
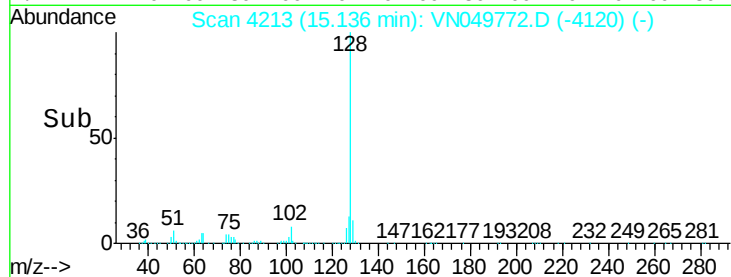
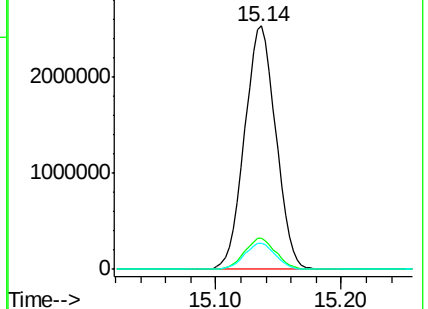
MMDadoda
7/13/2018 1:35:10 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 106.78 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049772.D

Acq: 12 Jul 2018 12:32

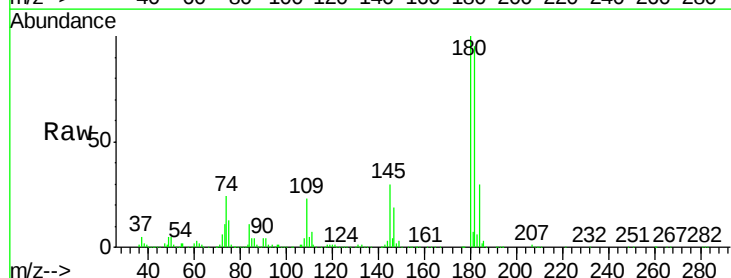
Tgt Ion:180 Resp: 1928026

Ion Ratio Lower Upper

180 100

182 95.7 47.4 142.2

145 30.3 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

