

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071218\
 Data File : VN049774.D
 Acq On : 12 Jul 2018 15:06
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 1:35:14 PM

Quant Time: Jul 13 02:34:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 12 15:51:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1462754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2125586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1930169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1020963	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	782216	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
35) Dibromofluoromethane	7.59	113	757850	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
50) Toluene-d8	10.09	98	2527651	46.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.18%	
62) 4-Bromofluorobenzene	12.40	95	949791	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	600310	47.31	ug/l	95
3) Chloromethane	2.06	50	787758	46.88	ug/l	99
4) Vinyl Chloride	2.19	62	883234	47.57	ug/l	100
5) Bromomethane	2.56	94	579867	50.44	ug/l	98
6) Chloroethane	2.70	64	561789	43.18	ug/l	100
7) Trichlorofluoromethane	3.01	101	1225577	44.19	ug/l	99
8) Diethyl Ether	3.41	74	444754	44.75	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	781423	43.41	ug/l	99
10) Methyl Iodide	3.95	142	1045153	45.68	ug/l	100
11) Tert butyl alcohol	4.79	59	254035	223.06	ug/l	100
12) 1,1-Dichloroethene	3.73	96	705253	44.59	ug/l	99
13) Acrolein	3.61	56	224831	224.77	ug/l	99
14) Allyl chloride	4.32	41	1169020	45.29	ug/l	98
15) Acrylonitrile	4.99	53	1257947	220.56	ug/l	98
16) Acetone	3.82	43	942608	224.87	ug/l	100
17) Carbon Disulfide	4.05	76	1920017	47.36	ug/l	100
18) Methyl Acetate	4.33	43	641549	45.07	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	2043777	46.58	ug/l	97
20) Methylene Chloride	4.55	84	821679	47.01	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	770881	44.59	ug/l	97
22) Diisopropyl ether	5.95	45	2518785	47.50	ug/l	97
23) Vinyl Acetate	5.90	43	8430570	237.25	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1473126	44.22	ug/l	99
25) 2-Butanone	6.84	43	1444771	217.88	ug/l	100
26) 2,2-Dichloropropane	6.82	77	1264104	45.72	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	902751	45.65	ug/l	98
28) Bromochloromethane	7.19	49	694634	45.85	ug/l	99
29) Tetrahydrofuran	7.21	42	929388	223.20	ug/l	100
30) Chloroform	7.37	83	1511772	44.04	ug/l	98
31) Cyclohexane	7.65	56	1245560	46.96	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	1306467	44.82	ug/l	99
36) 1,1-Dichloropropene	7.79	75	1131875	46.21	ug/l	100
37) Ethyl Acetate	6.93	43	649301	44.78	ug/l	99
38) Carbon Tetrachloride	7.77	117	1147749	44.82	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1227637	47.55	ug/l	98
40) Benzene	8.04	78	3360949	45.87	ug/l	100
41) Methacrylonitrile	7.17	41	335948	40.96	ug/l	92
42) 1,2-Dichloroethane	8.12	62	1062139	44.31	ug/l	100
43) Isopropyl Acetate	8.17	43	1208465	46.37	ug/l	97
44) Trichloroethene	8.83	130	899137	45.57	ug/l	99
45) 1,2-Dichloropropane	9.12	63	890609	45.23	ug/l	99
46) Dibromomethane	9.21	93	517010	44.20	ug/l	99
47) Bromodichloromethane	9.40	83	1164745	45.22	ug/l	99
48) Methyl methacrylate	9.20	41	613847	47.11	ug/l	97
49) 1,4-Dioxane	9.20	88	154319	903.88	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	3244379	229.29	ug/l	99
52) Toluene	10.16	92	2101405	47.92	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1187826	47.95	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1373204	48.67	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	766408	46.14	ug/l	99
56) Ethyl methacrylate	10.43	69	965104	48.75	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1271384	45.51	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2428182	255.77	ug/l	100
59) 2-Hexanone	10.75	43	2202054	234.09	ug/l	100
60) Dibromochloromethane	10.90	129	877346	45.67	ug/l	98
61) 1,2-Dibromoethane	11.01	107	739143	46.31	ug/l	100
64) Tetrachloroethene	10.63	164	796594	45.45	ug/l	98
65) Chlorobenzene	11.43	112	2325960	46.26	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	871756	46.08	ug/l	99
67) Ethyl Benzene	11.51	91	4037286	49.03	ug/l	100
68) m/p-Xylenes	11.62	106	3086588	99.87	ug/l	99
69) o-Xylene	11.95	106	1480480	49.59	ug/l	98
70) Styrene	11.96	104	2480506	52.30	ug/l	99
71) Bromoform	12.13	173	596676	46.68	ug/l #	100
73) Isopropylbenzene	12.25	105	4034126	47.55	ug/l	100
74) N-amyl acetate	12.07	43	1060915	48.06	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	922287	47.05	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	764087m	42.13	ug/l	
77) Bromobenzene	12.53	156	1018072	45.23	ug/l	100
78) n-propylbenzene	12.59	91	4650525	48.61	ug/l	99
79) 2-Chlorotoluene	12.68	91	2720672	46.47	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	3260754	48.36	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	266152	47.39	ug/l	98
82) 4-Chlorotoluene	12.77	91	2801210	48.24	ug/l	100
83) tert-Butylbenzene	12.99	119	2888625	47.88	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	3354892	49.61	ug/l	99
85) sec-Butylbenzene	13.17	105	3906323	49.40	ug/l	100
86) p-Isopropyltoluene	13.29	119	3382921	50.56	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1827462	46.83	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1792749	47.25	ug/l	100
89) n-Butylbenzene	13.62	91	2869644	51.95	ug/l	99
90) Hexachloroethane	13.88	117	630926	48.71	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	1738821	45.65	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	132257	44.04	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	956300	45.95	ug/l	99
94) Hexachlorobutadiene	15.01	225	595302	51.09	ug/l	99
95) Naphthalene	15.14	128	1973441	44.22	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	934880	50.61	ug/l	99

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

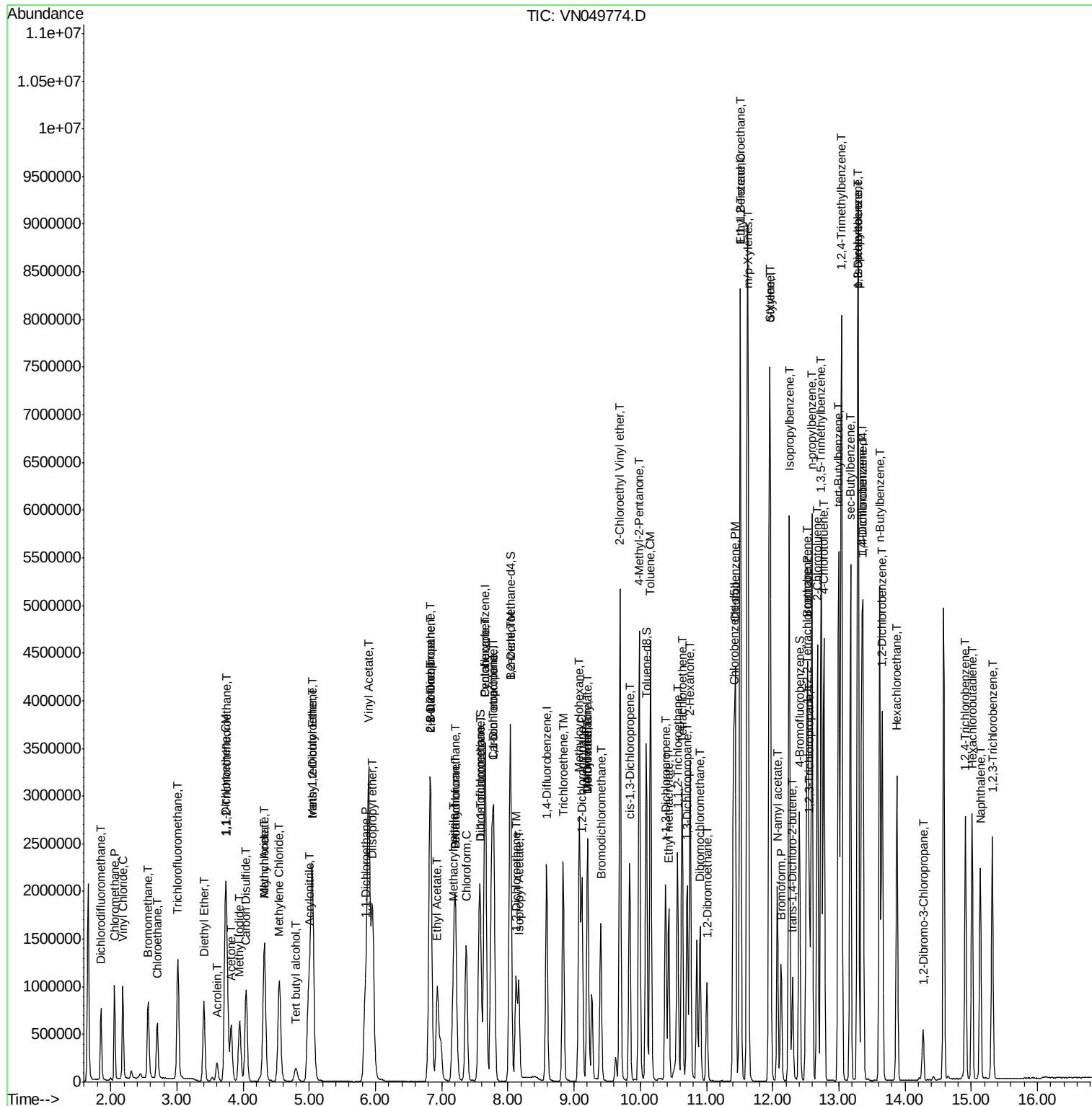
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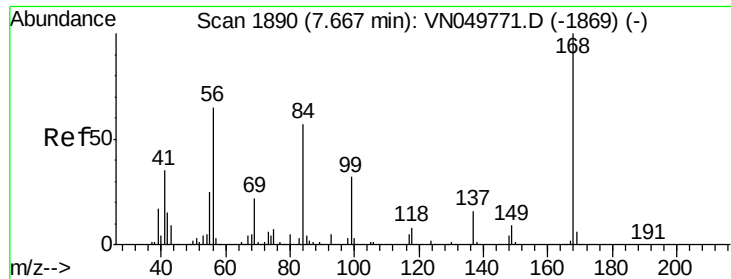
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion:168 Resp: 1462754

Ion Ratio Lower Upper

168 100

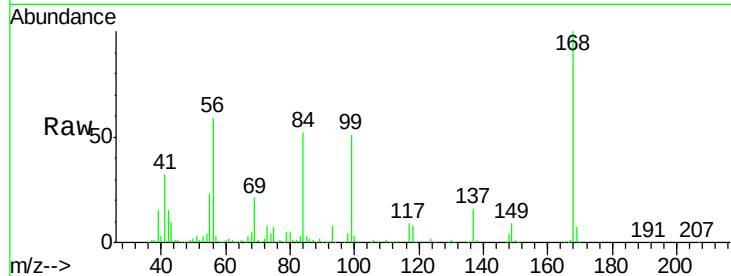
99 50.4 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

600000

400000

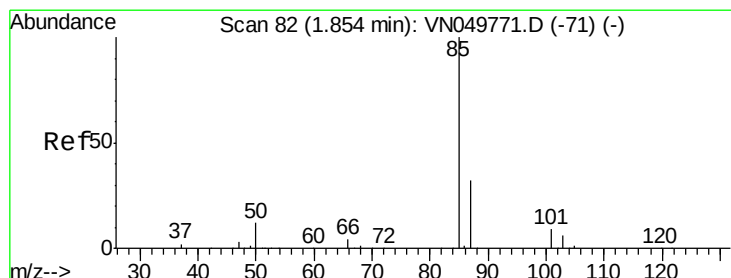
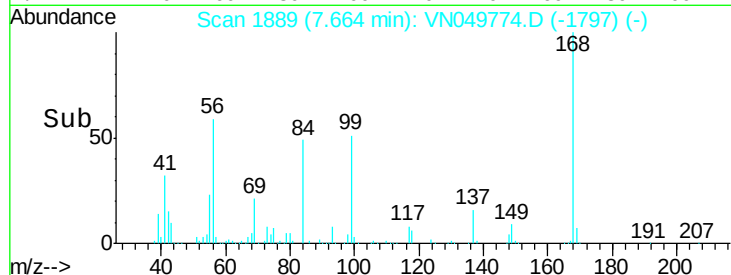
200000

0

7.66

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.31 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049774.D

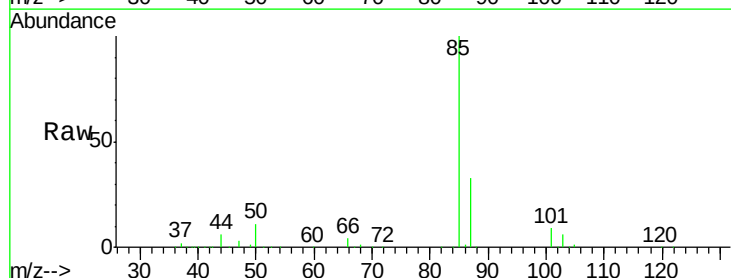
Acq: 12 Jul 2018 15:06

Tgt Ion: 85 Resp: 600310

Ion Ratio Lower Upper

85 100

87 33.2 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

500000

400000

300000

200000

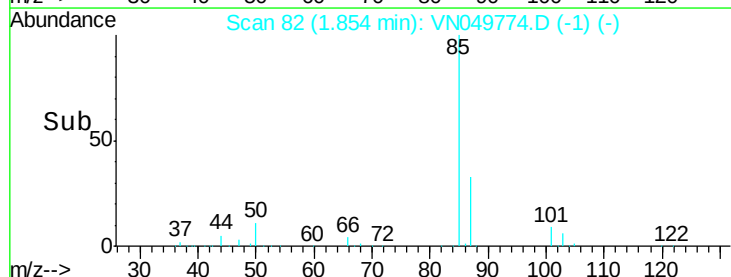
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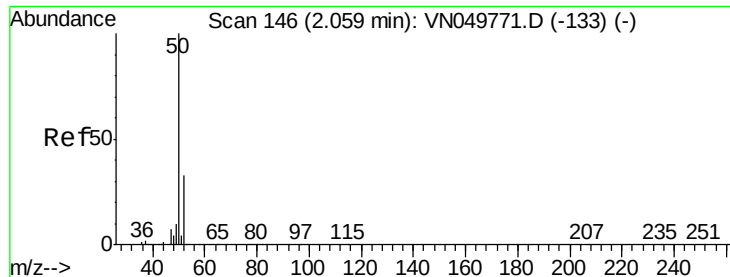
0

1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 46.88 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion: 50 Resp: 787758

Ion Ratio Lower Upper

50 100

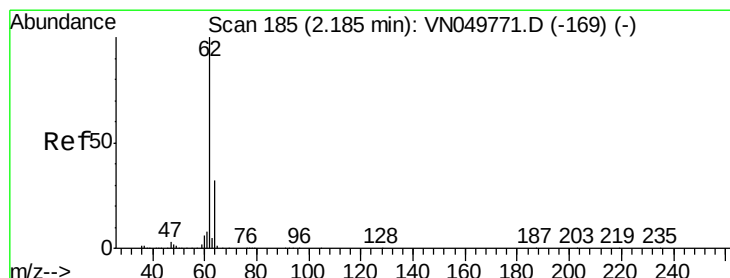
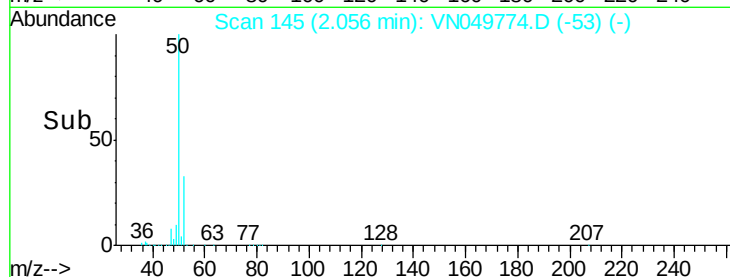
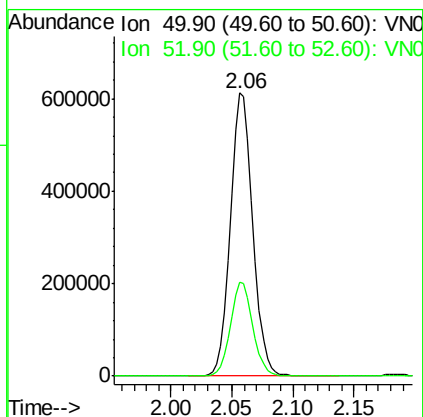
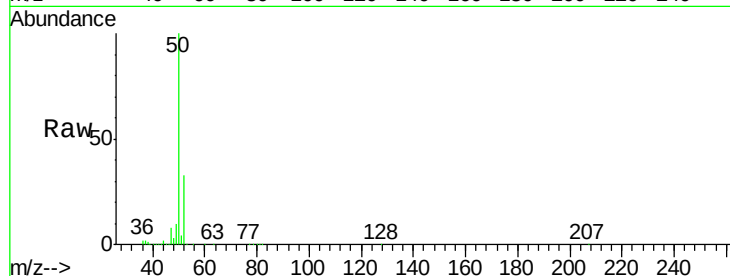
52 33.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.57 ug/l

RT: 2.19 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049774.D

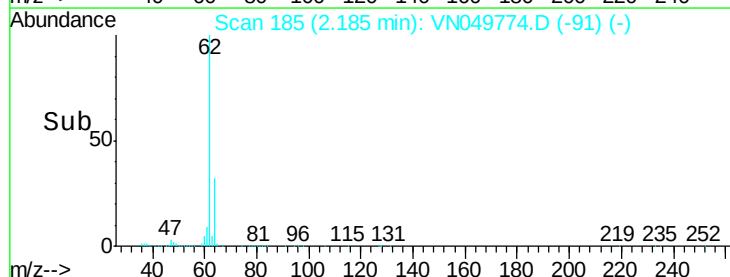
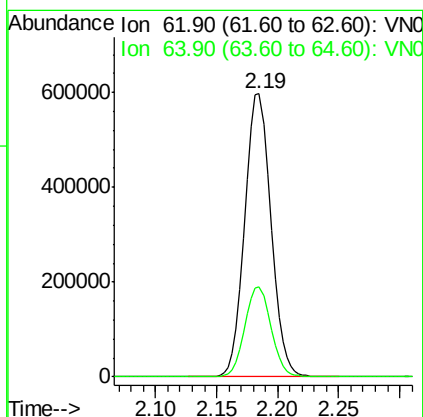
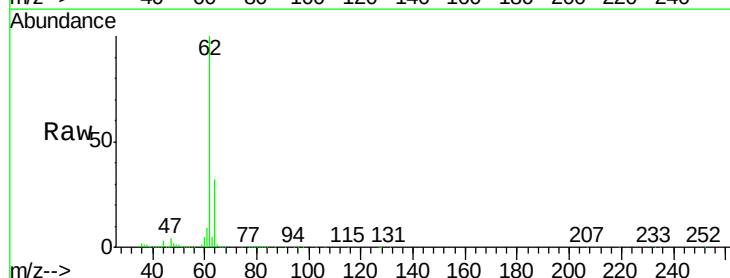
Acq: 12 Jul 2018 15:06

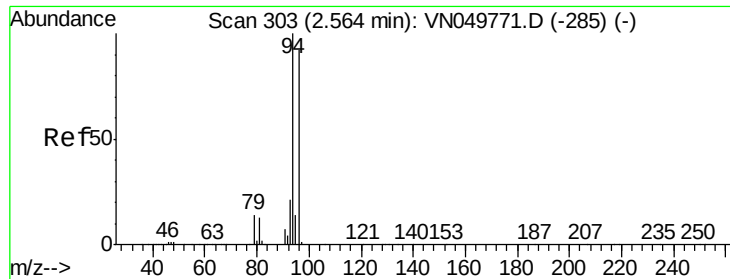
Tgt Ion: 62 Resp: 883234

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 50.44 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 579867

Ion Ratio Lower Upper

94 100

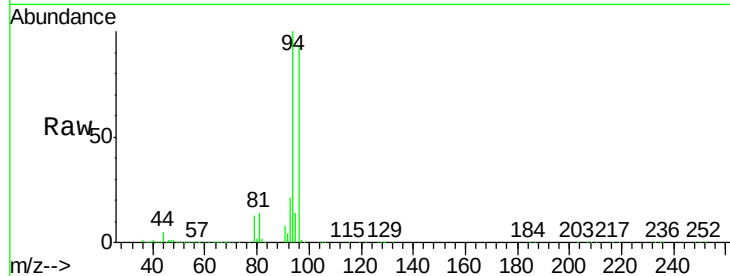
96 93.1 75.7 113.5

Manual Integrations

APPROVED

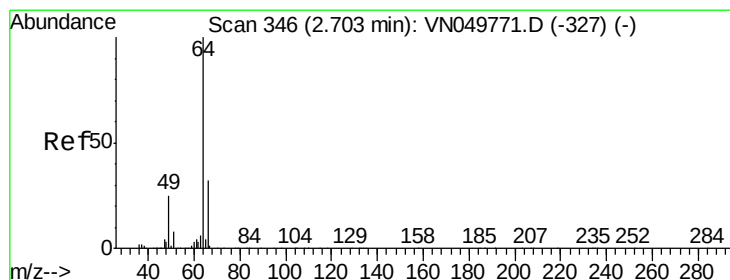
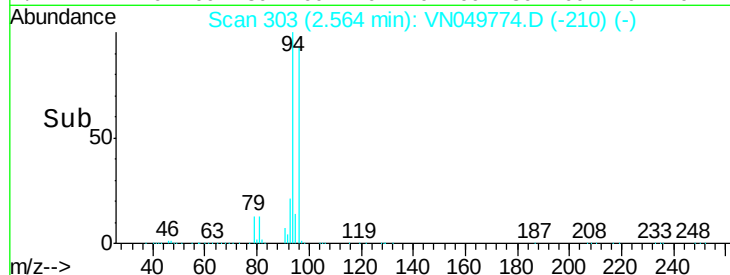
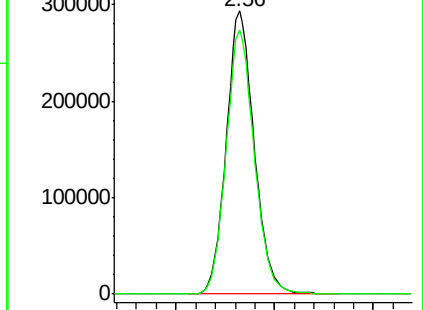
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.18 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049774.D

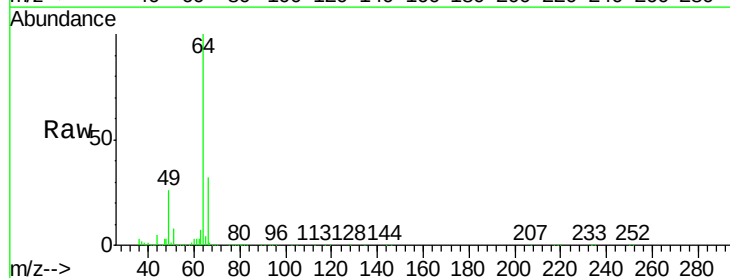
Acq: 12 Jul 2018 15:06

Tgt Ion: 64 Resp: 561789

Ion Ratio Lower Upper

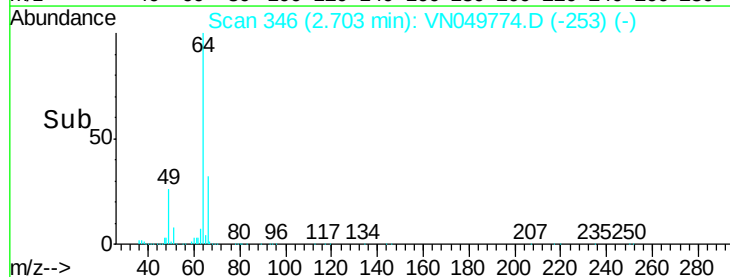
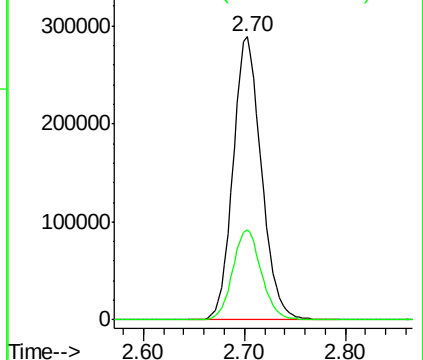
64 100

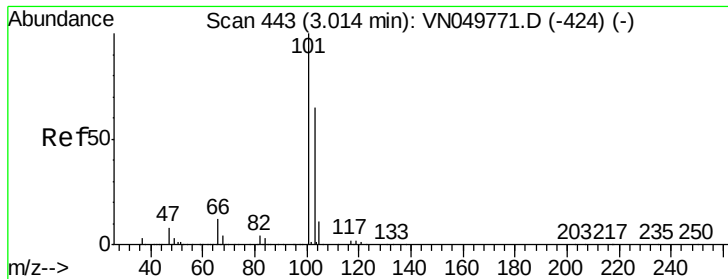
66 31.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

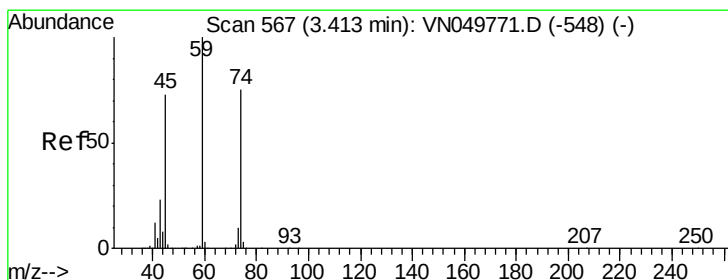
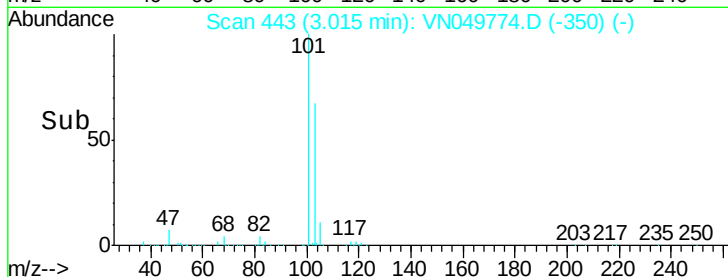
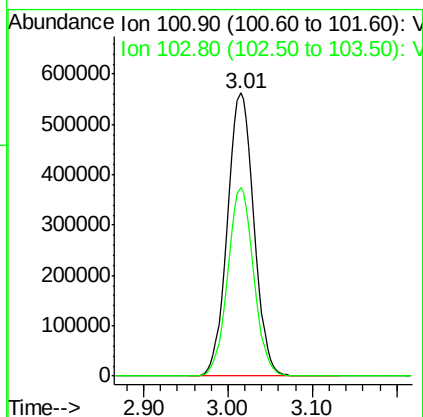
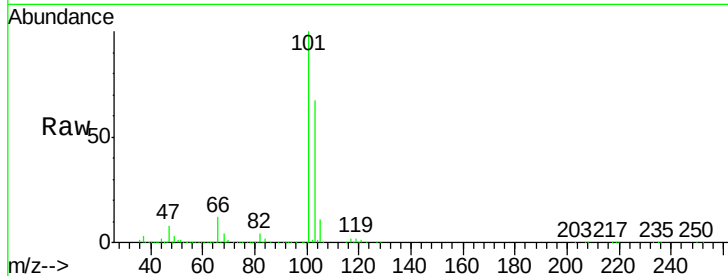
Trichlorofluoromethane
Concen: 44.19 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

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Tot Ion:101 Resp: 1225577
Ion Ratio Lower Upper
101 100
103 66.7 52.8 79.2

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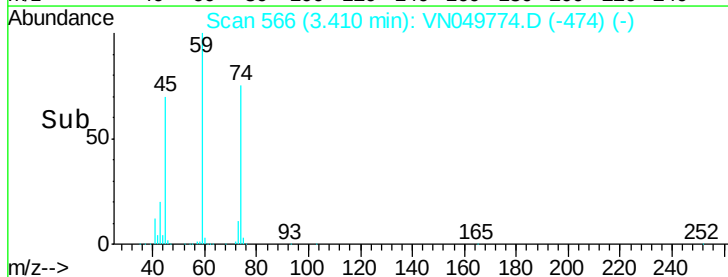
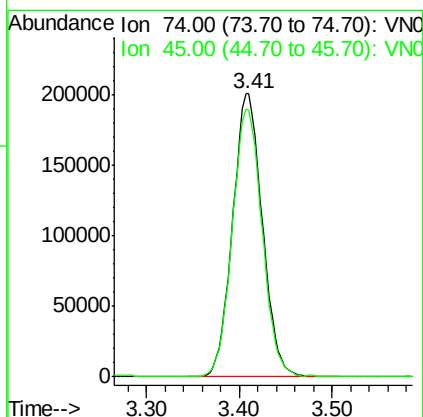
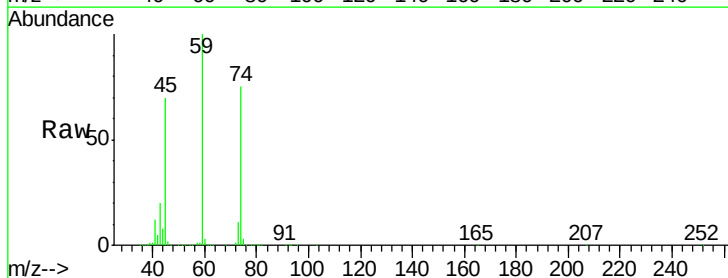
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7/13/2018 1:35:14 PM

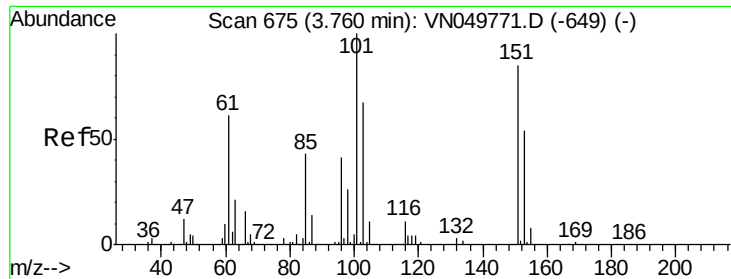


#8

Diethyl Ether
Concen: 44.75 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 74 Resp: 444754
Ion Ratio Lower Upper
74 100
45 94.8 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.41 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.01 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

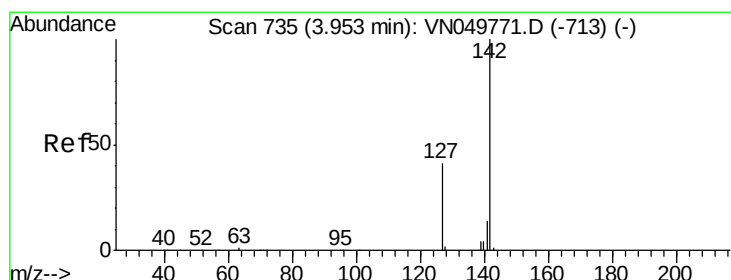
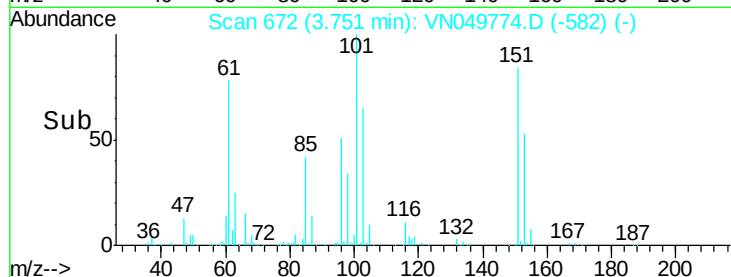
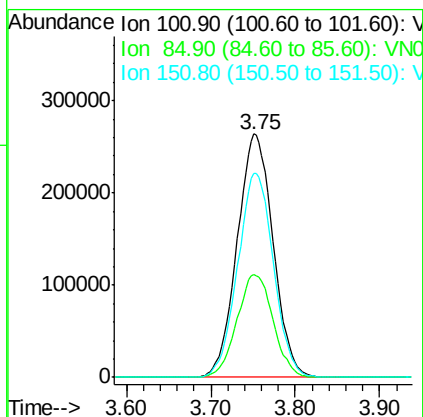
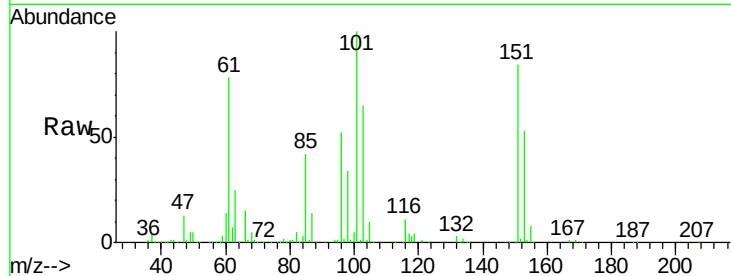
ClientSampleId :

ICVVN071218

Tot Ion:	101	Resp:	781423
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.4	51.6
151	83.7	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 45.68 ug/l

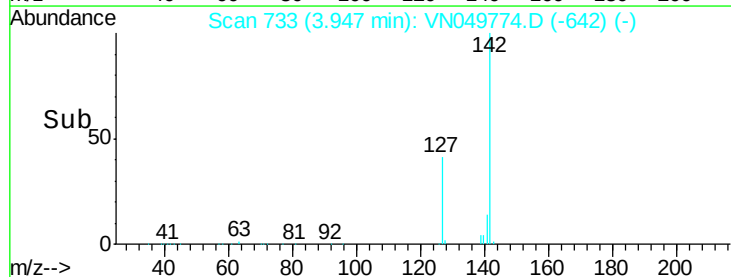
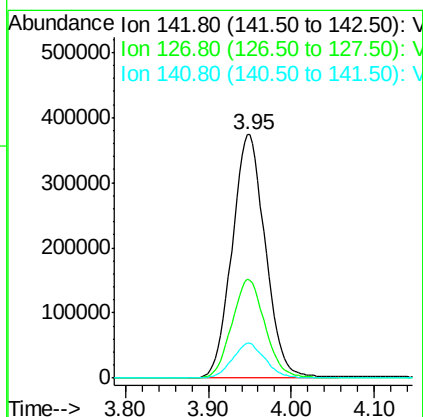
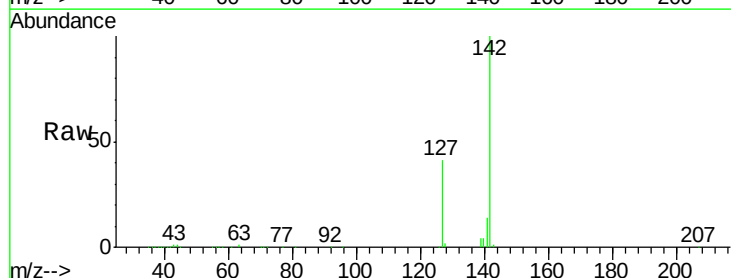
RT: 3.95 min Scan# 733

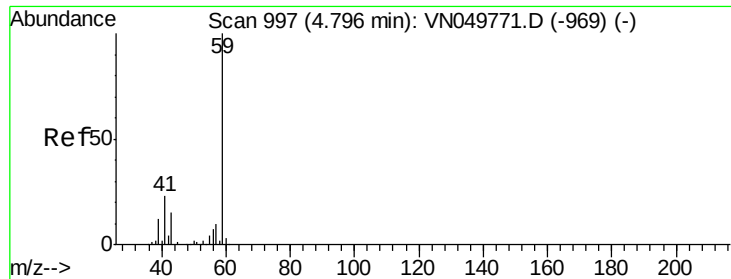
Delta R.T. -0.01 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	142	Resp:	1045153
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.5	48.7
141	14.2	11.1	16.7





#11

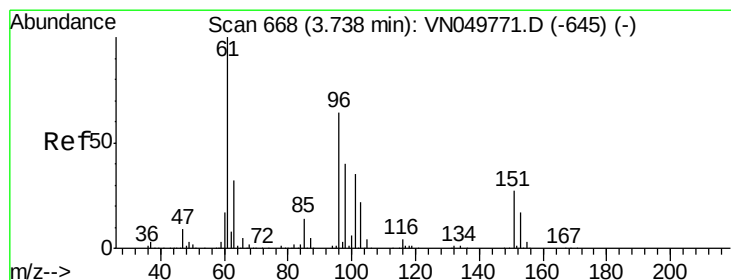
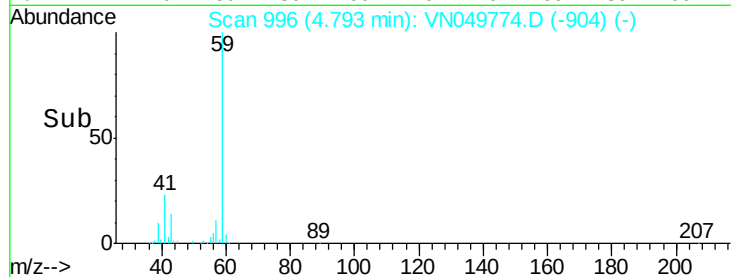
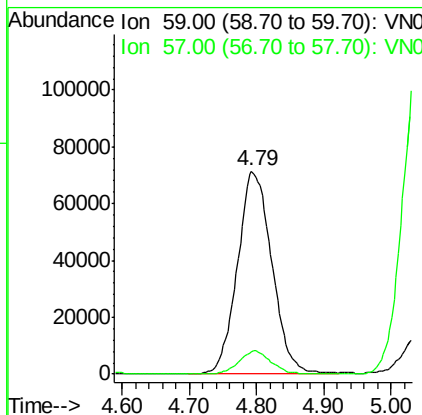
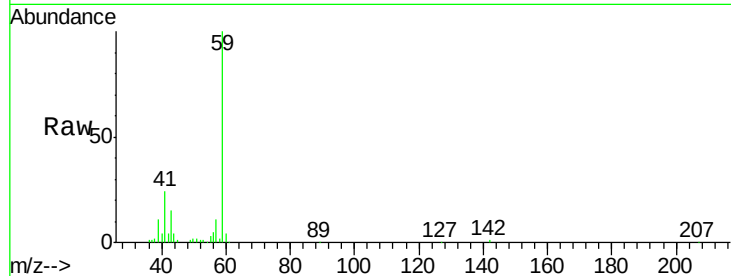
Tert butyl alcohol
Concen: 223.06 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7

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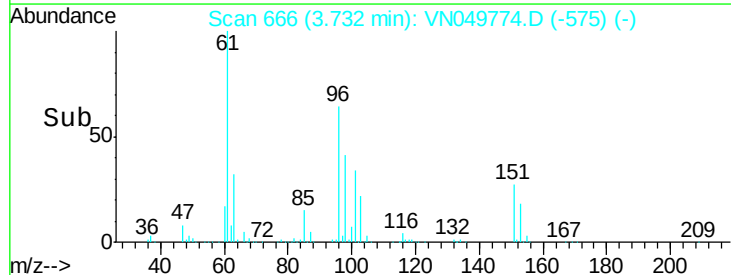
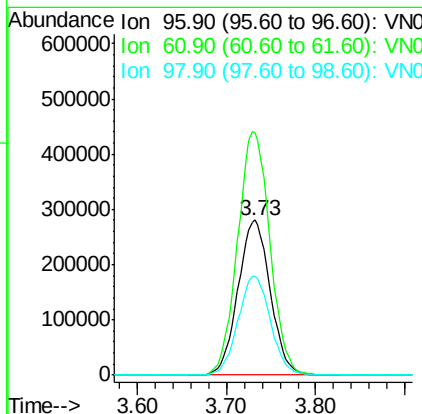
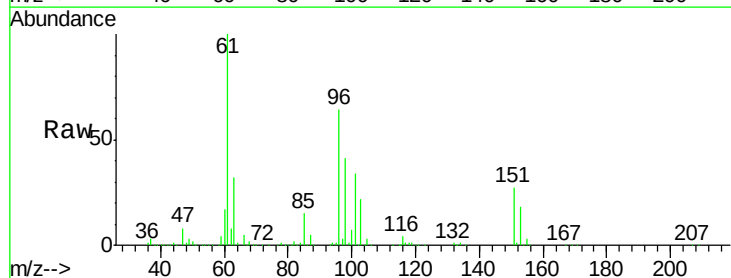
MMDadoda
7/13/2018 1:35:14 PM

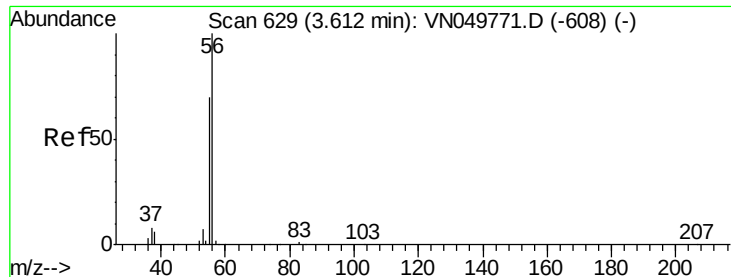


#12

1,1-Dichloroethene
Concen: 44.59 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.01 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.8	126.5	189.7
98	64.2	51.0	76.6





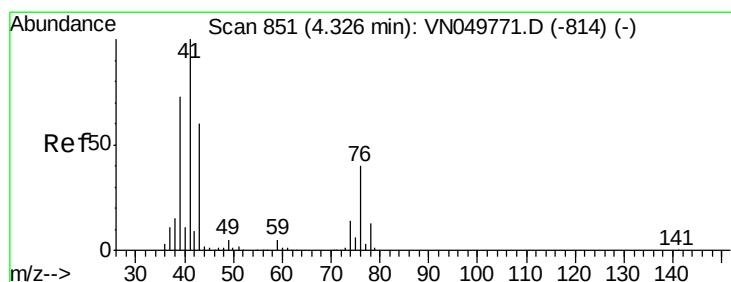
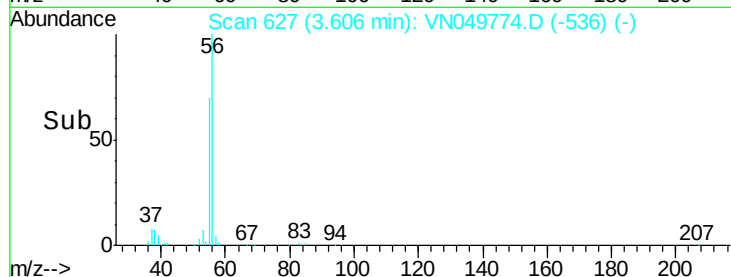
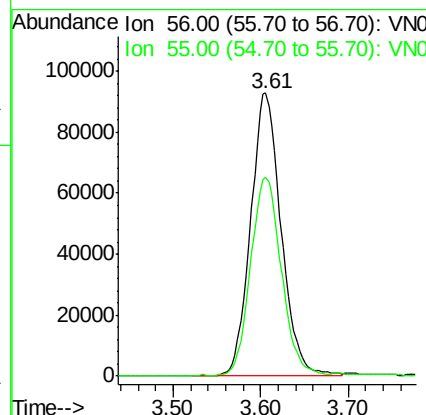
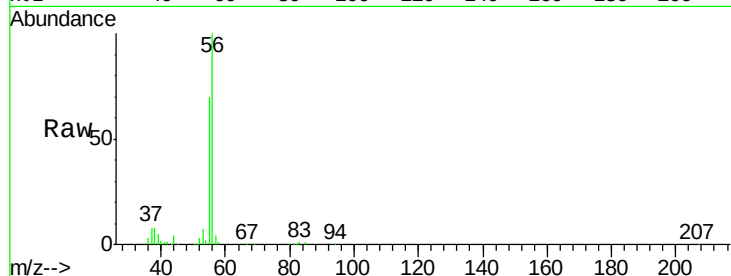
#13
Acrolein
Concen: 224.77 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.01 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.8	83.8

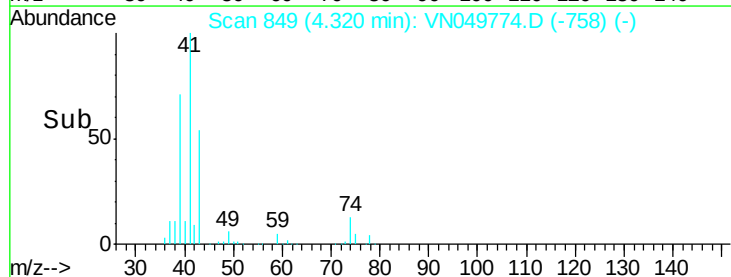
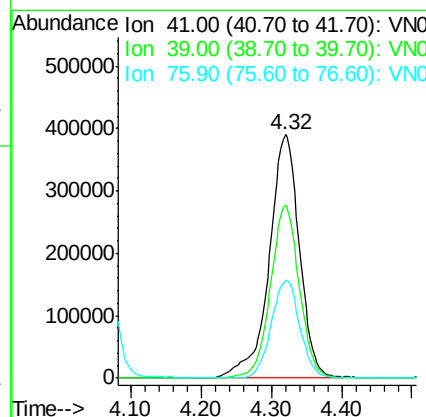
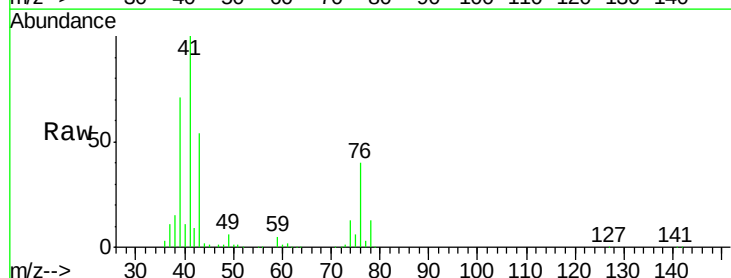
Manual Integrations
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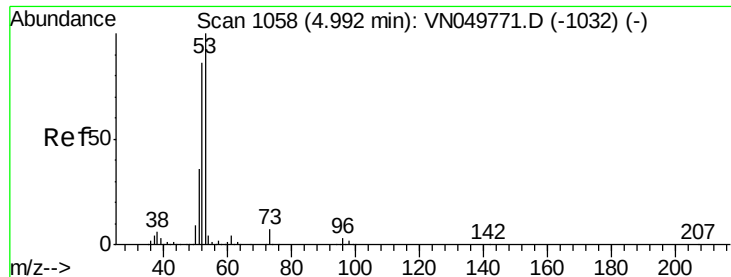
MMDadoda
7/13/2018 1:35:14 PM



#14
Allyl chloride
Concen: 45.29 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.01 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.4	53.2	79.8
76	37.7	29.0	43.6





#15

Acrylonitrile

Concen: 220.56 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion: 53 Resp: 1257947

Ion Ratio Lower Upper

53 100

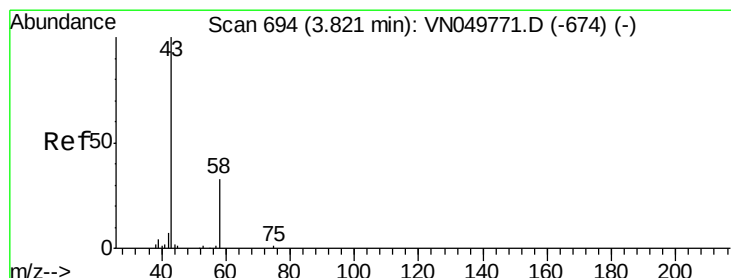
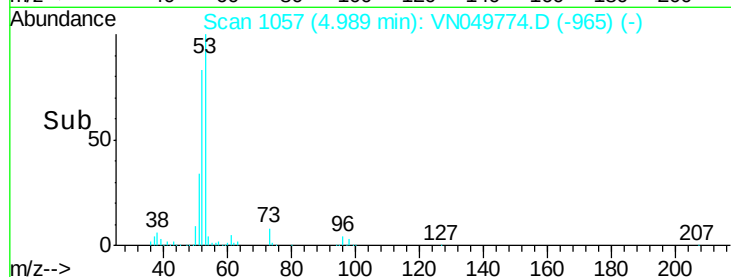
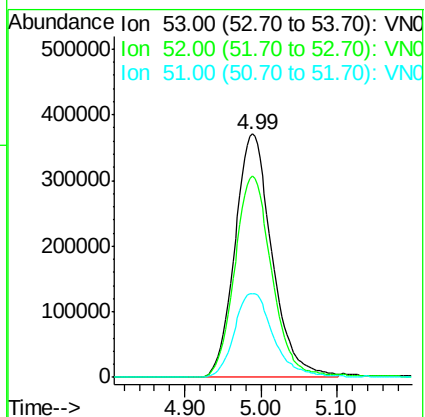
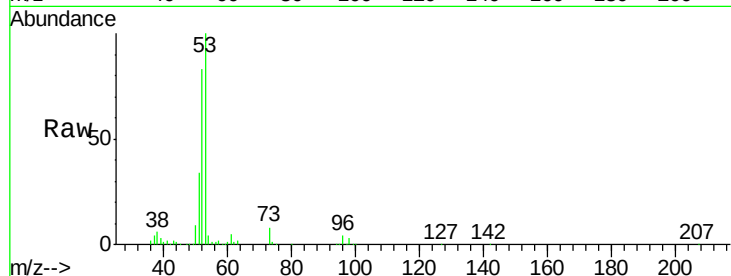
52 83.1 64.8 97.2

51 36.4 28.9 43.3

Manual Integrations
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#16

Acetone

Concen: 224.87 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN049774.D

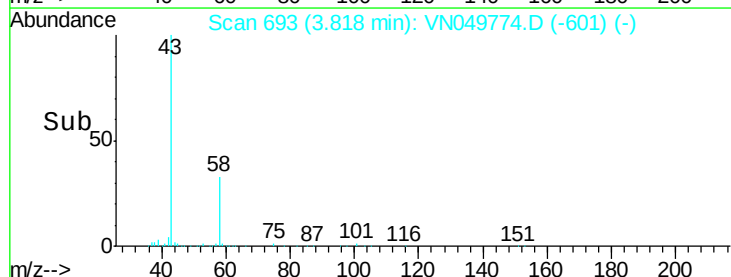
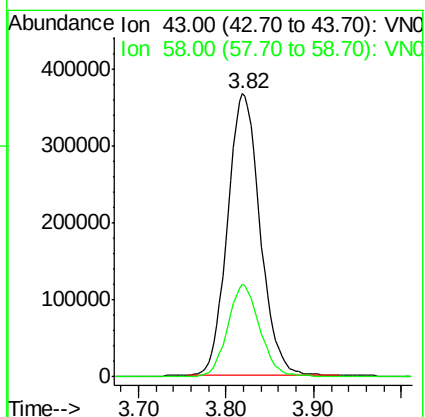
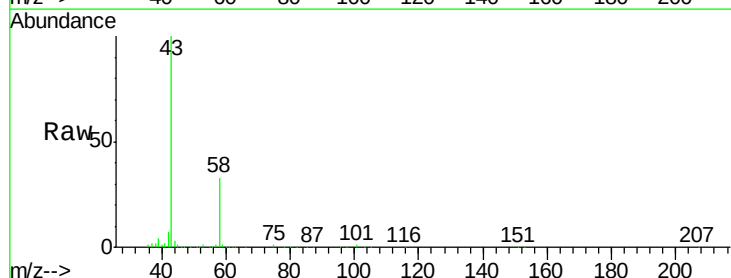
Acq: 12 Jul 2018 15:06

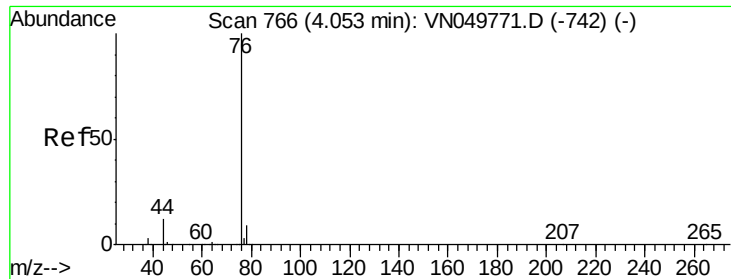
Tgt Ion: 43 Resp: 942608

Ion Ratio Lower Upper

43 100

58 32.6 25.9 38.9





#17

Carbon Disulfide

Concen: 47.36 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.01 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion: 76 Resp: 1920017

Ion Ratio Lower Upper

76 100

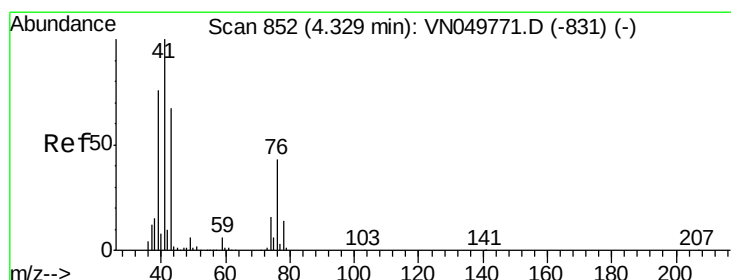
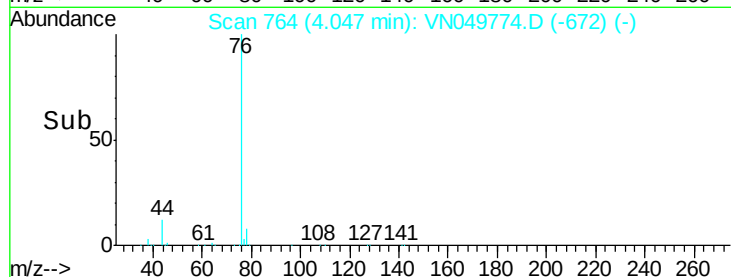
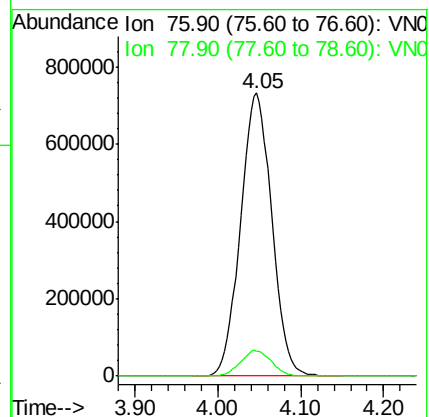
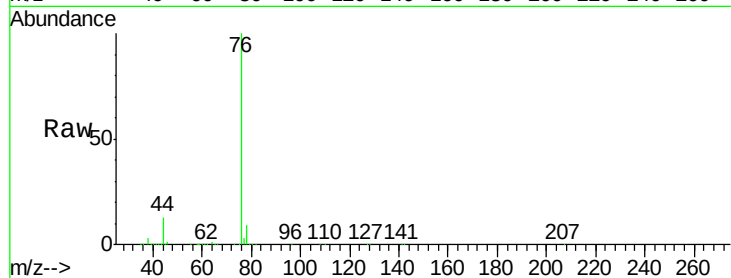
78 9.0 7.1 10.7

Manual Integrations

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#18

Methyl Acetate

Concen: 45.07 ug/l

RT: 4.33 min Scan# 851

Delta R.T. -0.00 min

Lab File: VN049774.D

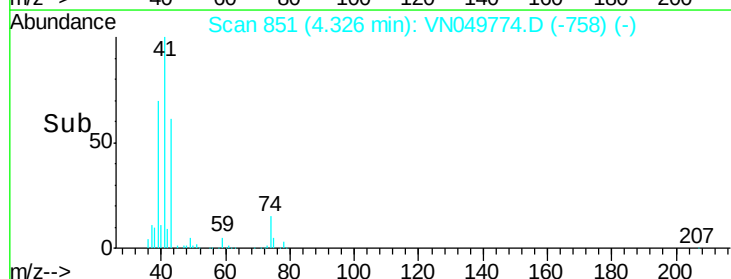
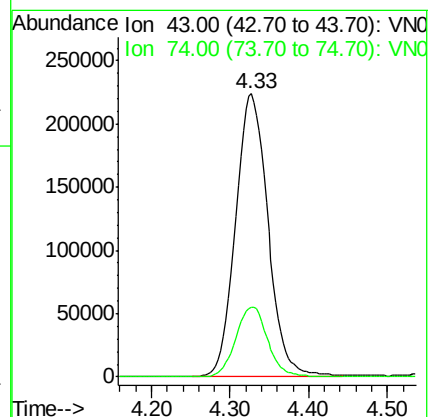
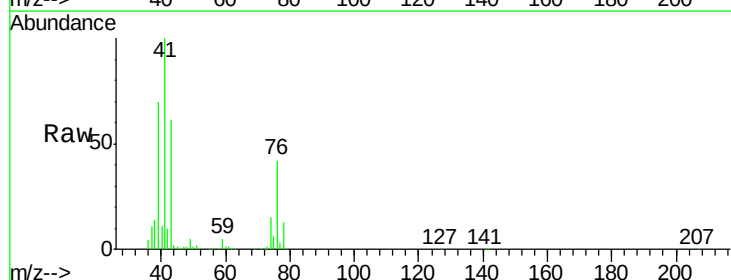
Acq: 12 Jul 2018 15:06

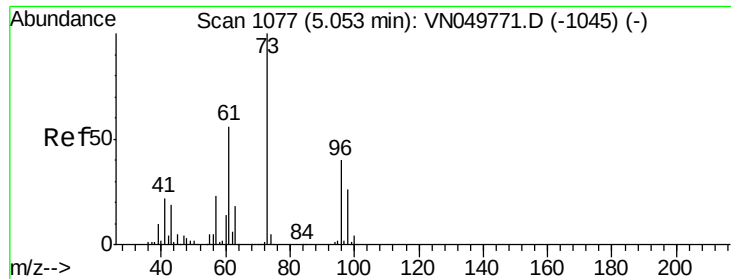
Tgt Ion: 43 Resp: 641549

Ion Ratio Lower Upper

43 100

74 24.4 19.8 29.8





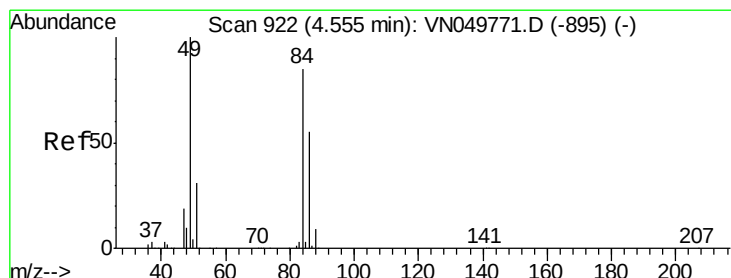
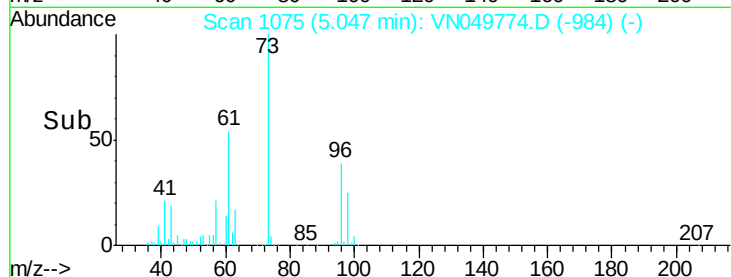
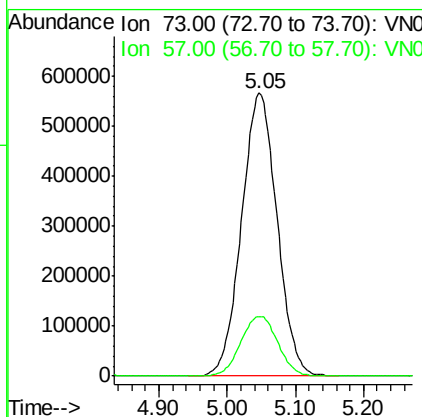
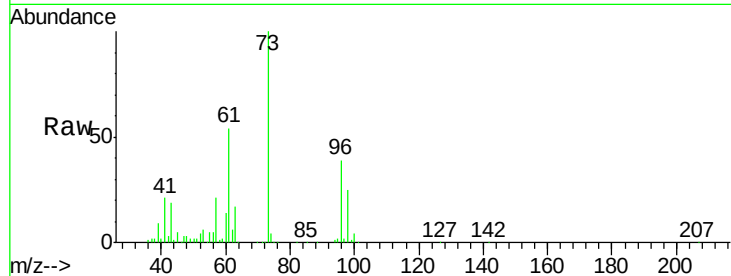
#19
Methvl tert-butvl Ether
Concen: 46.58 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. -0.01 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion: 73 Resp: 2043777
Ion Ratio Lower Upper
73 100
57 21.1 18.1 27.1

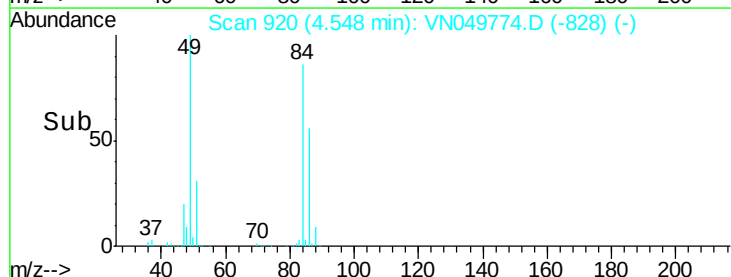
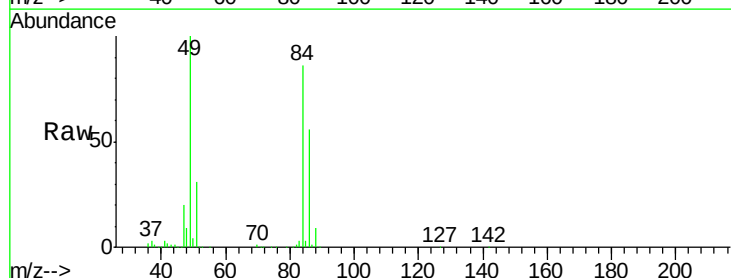
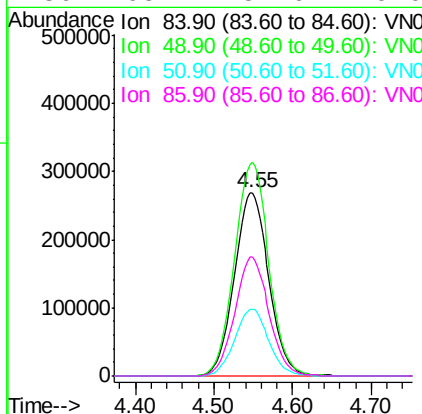
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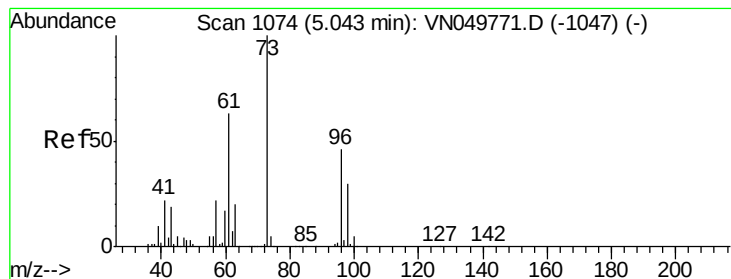
MMDadoda
7/13/2018 1:35:14 PM



#20
Methylene Chloride
Concen: 47.01 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.01 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 84 Resp: 821679
Ion Ratio Lower Upper
84 100
49 116.7 95.4 143.2
51 36.5 28.4 42.6
86 65.1 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 44.59 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

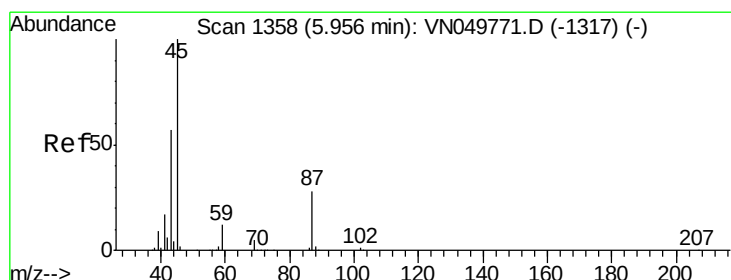
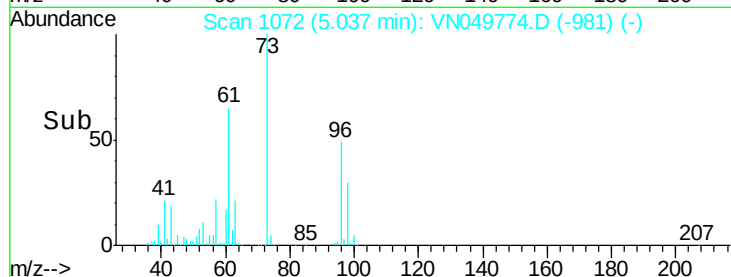
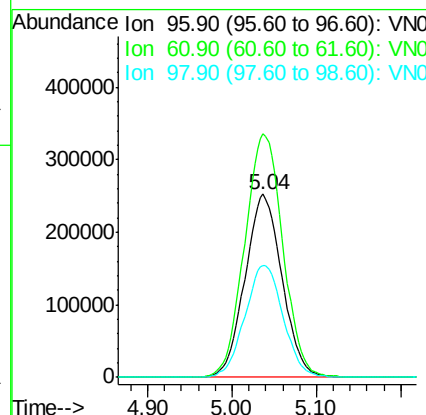
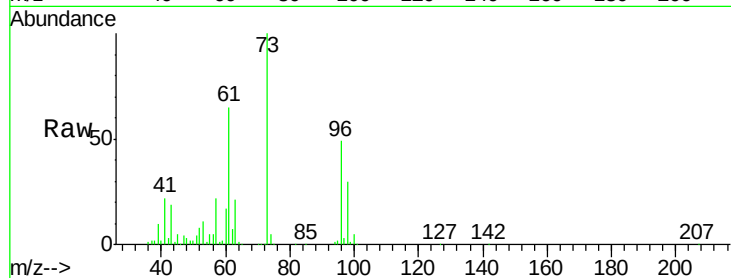
ClientSampleId :

ICVVN071218

Tot Ion:	96	Resp:	770881
Ion	Ratio	Lower	Upper
96	100		
61	132.9	109.0	163.6
98	61.2	51.1	76.7

Manual Integrations
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MMDadoda
7/13/2018 1:35:14 PM



#22

Diisopropyl ether

Concen: 47.50 ug/l

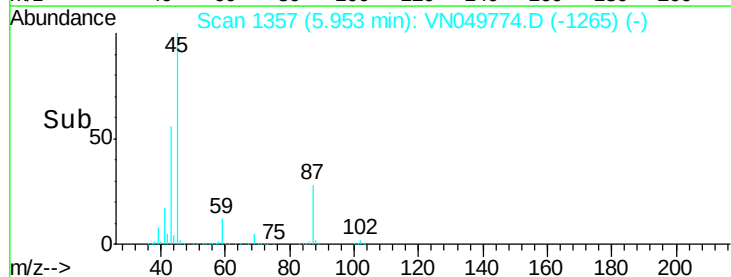
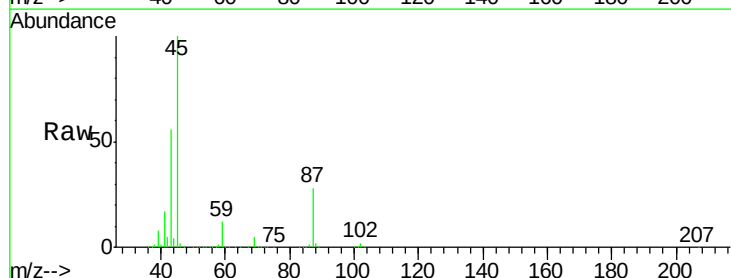
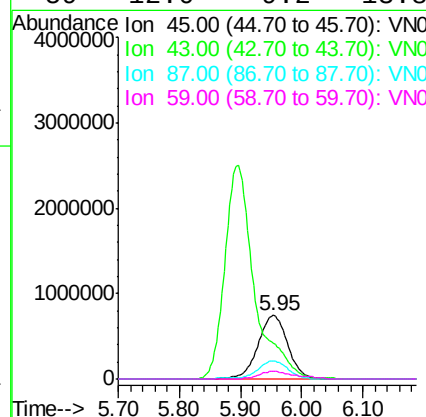
RT: 5.95 min Scan# 1357

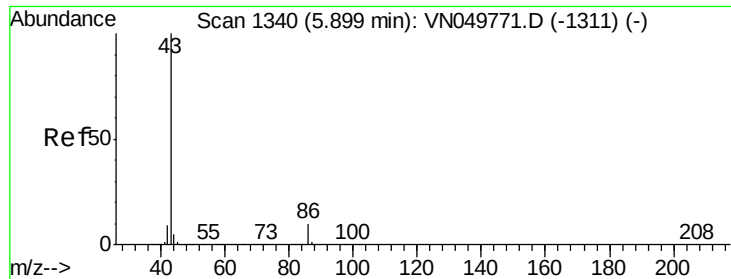
Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	45	Resp:	2518785
Ion	Ratio	Lower	Upper
45	100		
43	56.3	48.1	72.1
87	28.3	22.6	34.0
59	12.0	9.2	13.8





#23

Vinyl Acetate

Concen: 237.25 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion: 43 Resp: 8430570

Ion Ratio Lower Upper

43 100

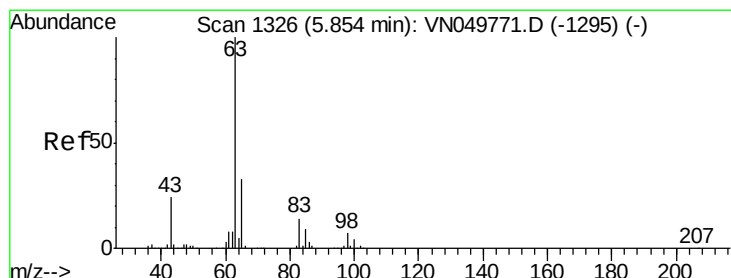
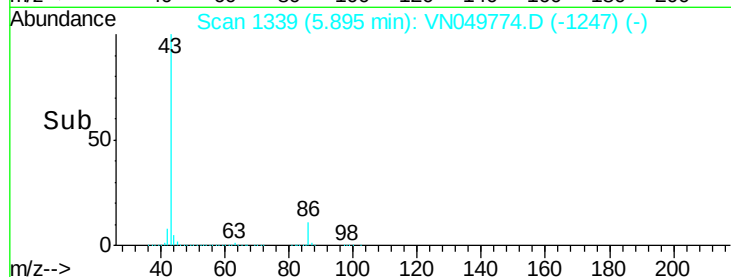
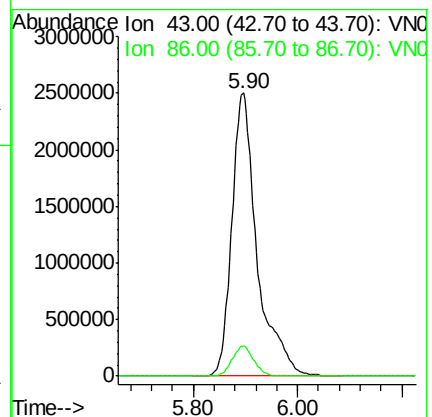
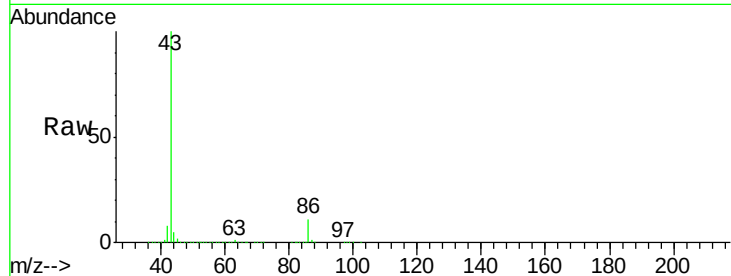
86 10.6 8.4 12.6

Manual Integrations

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MMDadoda

7/13/2018 1:35:14 PM



#24

1,1-Dichloroethane

Concen: 44.22 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.01 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

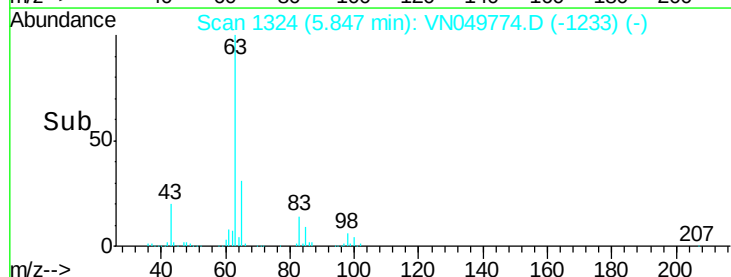
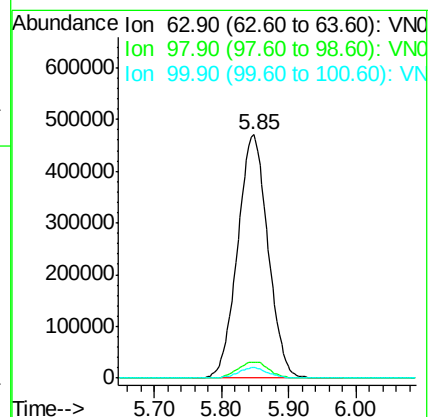
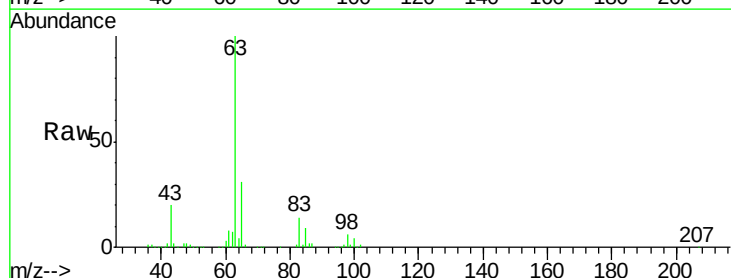
Tgt Ion: 63 Resp: 1473126

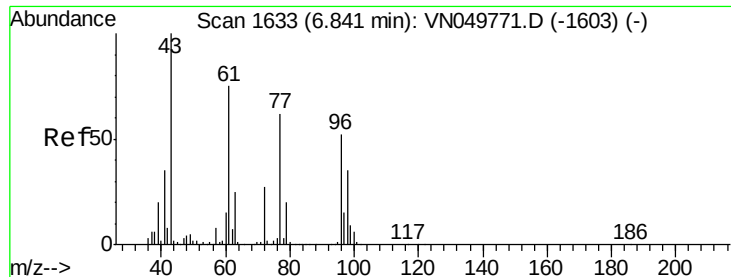
Ion Ratio Lower Upper

63 100

98 6.5 3.4 10.2

100 4.5 2.2 6.6





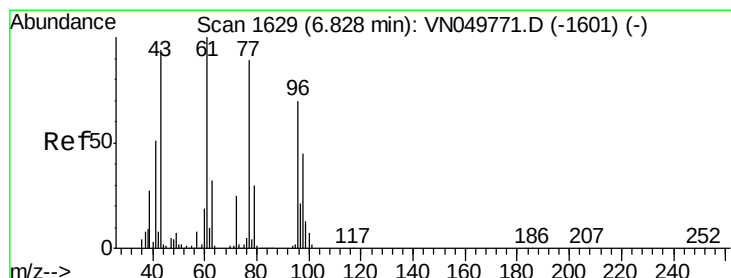
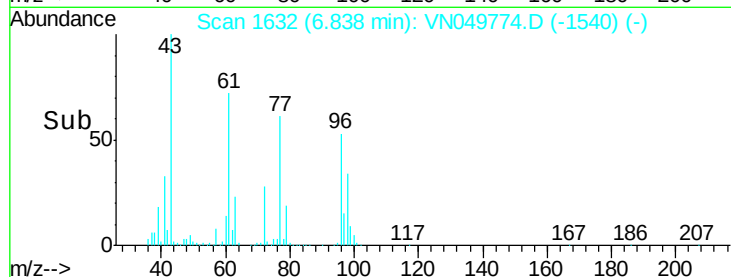
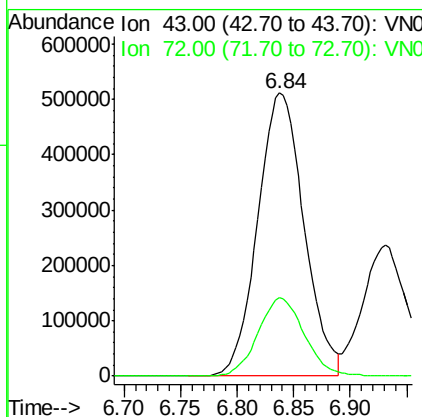
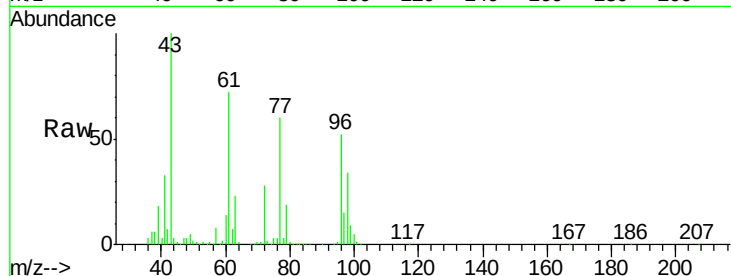
#25
 2-Butanone
 Concen: 217.88 ug/l
 RT: 6.84 min Scan# 1632
 Delta R.T. -0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Tot Ion: 43 Resp: 1444771
 Ion Ratio Lower Upper
 43 100
 72 27.7 22.1 33.1

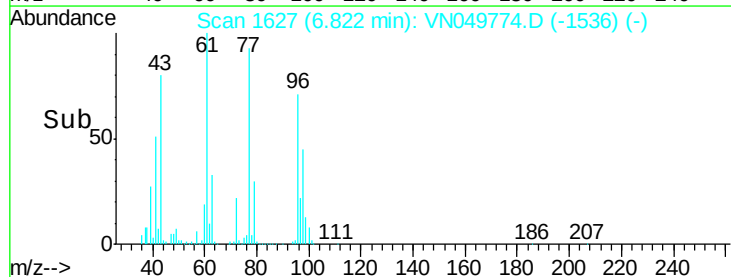
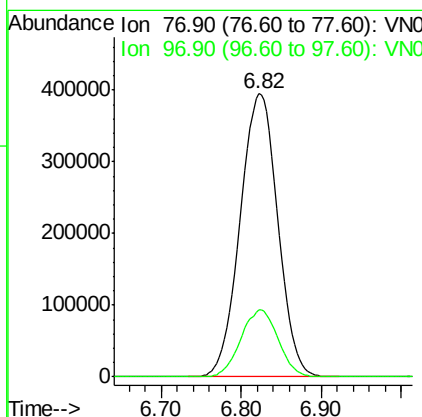
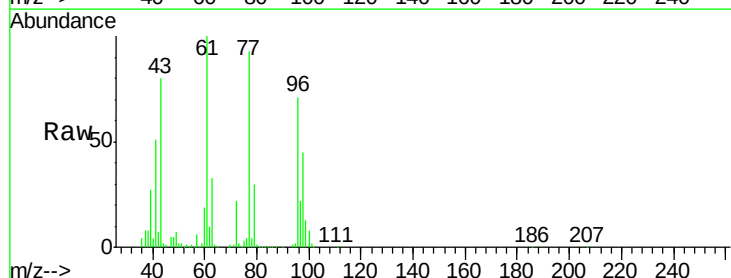
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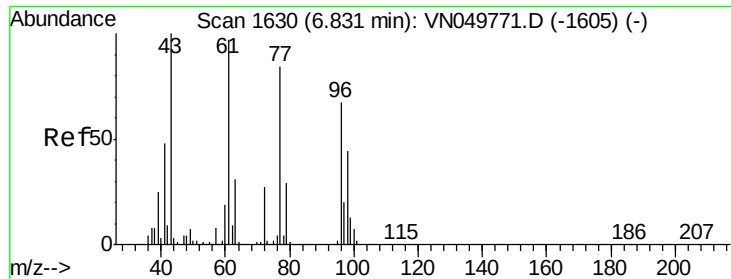
MMDadoda
 7/13/2018 1:35:14 PM



#26
 2,2-Dichloropropane
 Concen: 45.72 ug/l
 RT: 6.82 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion: 77 Resp: 1264104
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.9 35.5





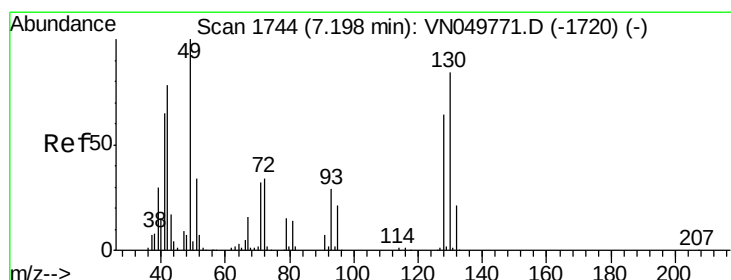
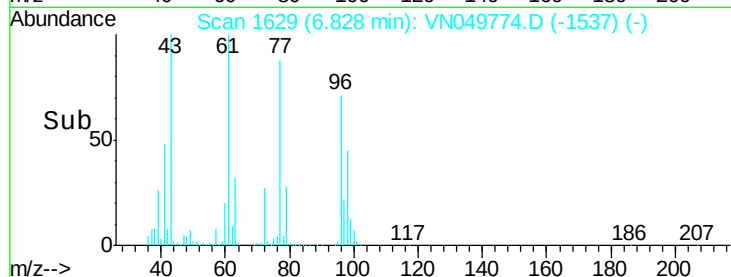
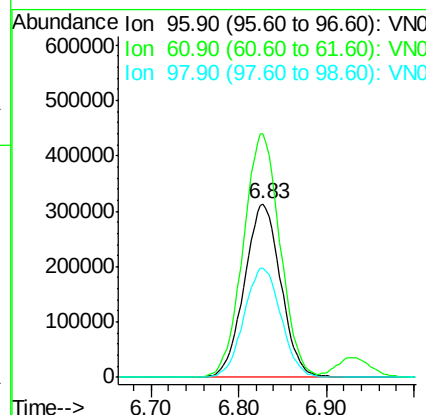
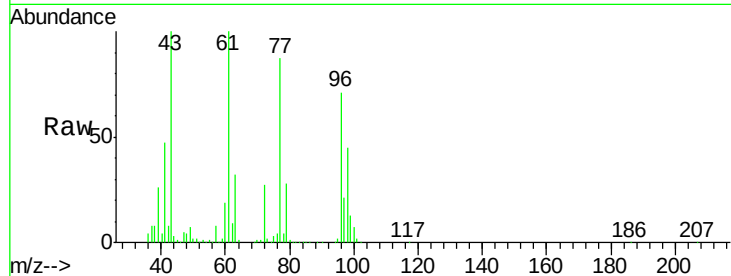
#27
 cis-1,2-Dichloroethene
 Concen: 45.65 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN071218

Tot Ion	Ratio	Resp	Lower	Upper
96	100	902751		
61	142.3		0.0	289.0
98	64.4		0.0	130.2

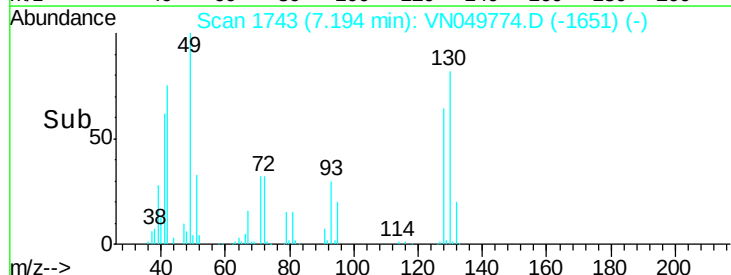
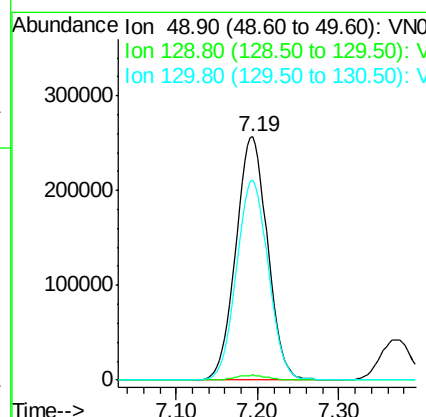
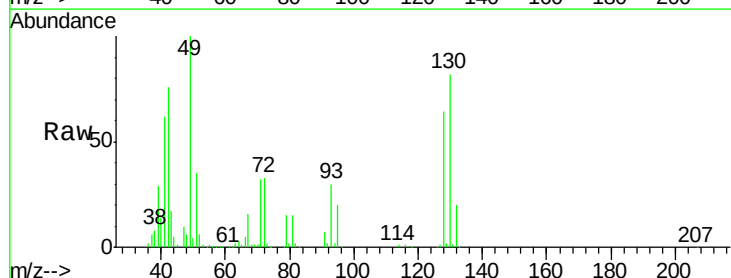
Manual Integrations
 APPROVED

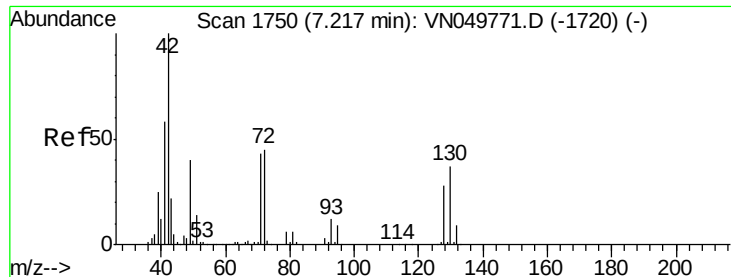
MMDadoda
 7/13/2018 1:35:14 PM



#28
 Bromochloromethane
 Concen: 45.85 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	694634		
129	2.0		0.0	4.2
130	82.6		65.5	98.3





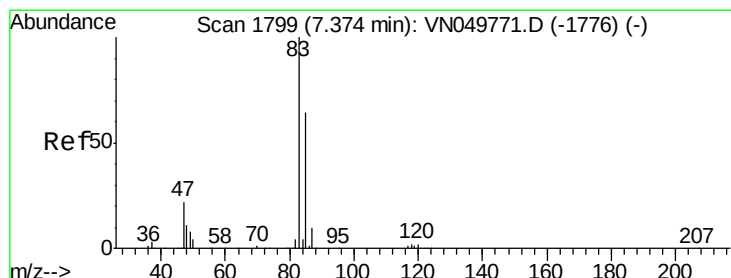
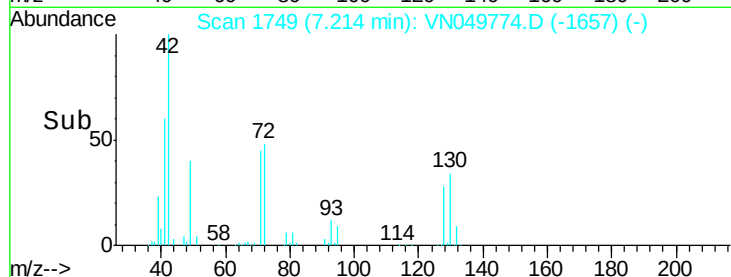
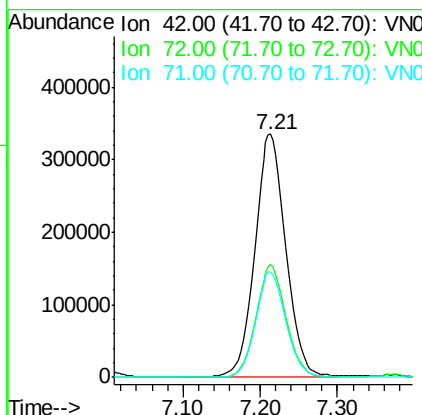
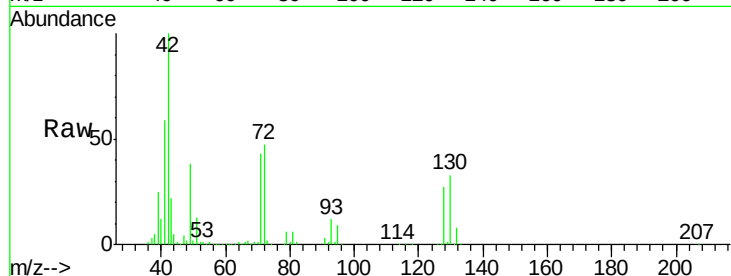
#29
Tetrahydrofuran
Concen: 223.20 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.6	53.4
71	42.5	34.0	51.0

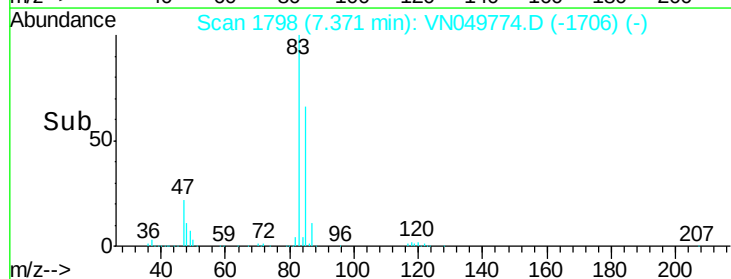
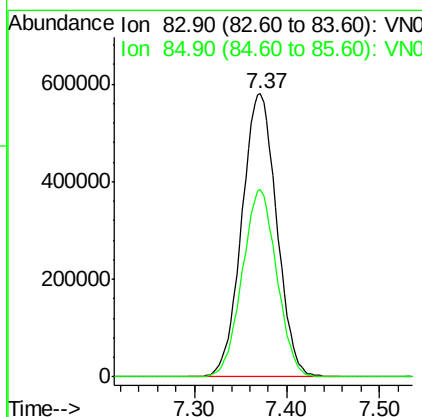
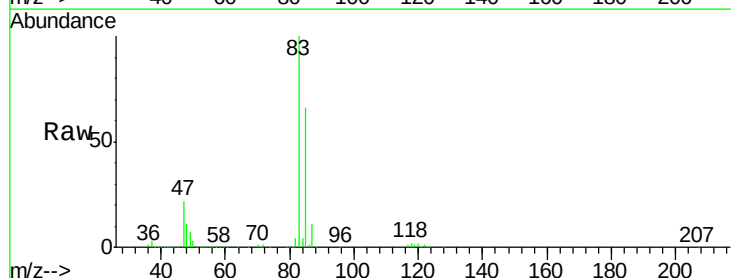
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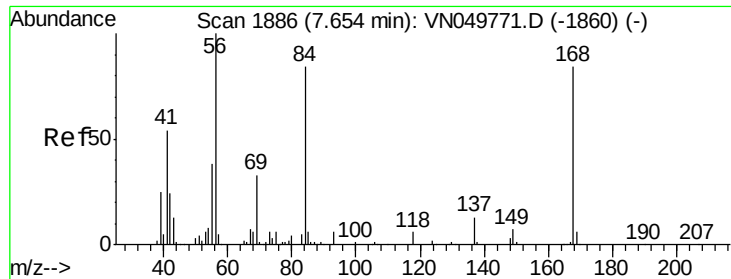
MMDadoda
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#30
Chloroform
Concen: 44.04 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.4	77.2





#31

Cyclohexane

Concen: 46.96 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion: 56 Resp: 1245560

Ion Ratio Lower Upper

56 100

69 32.8 26.6 40.0

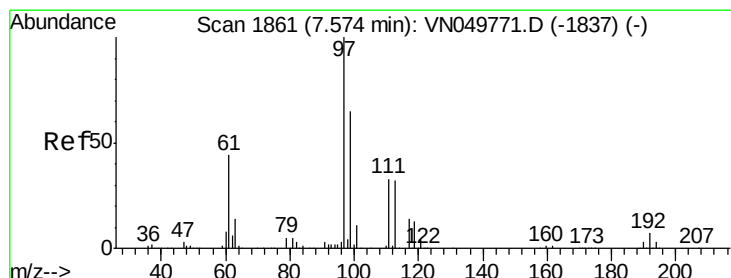
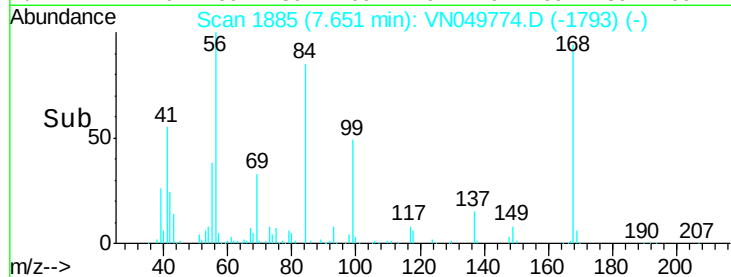
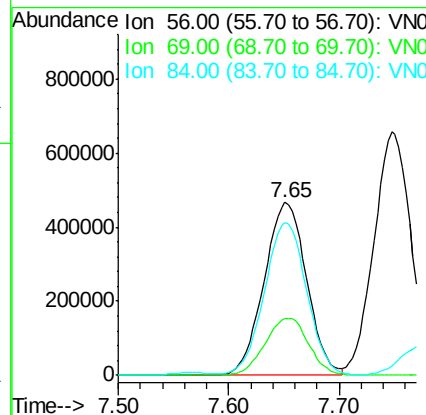
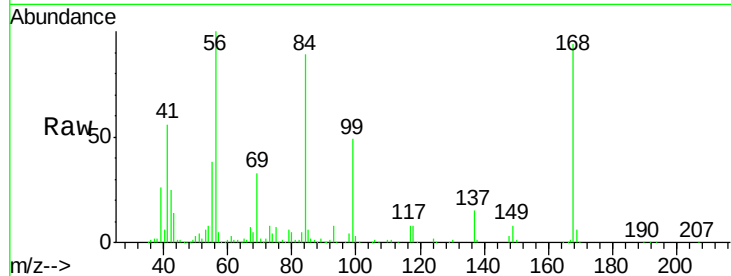
84 87.1 69.0 103.6

Manual Integrations

APPROVED

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#32

1,1,1-Trichloroethane

Concen: 44.82 ug/l

RT: 7.57 min Scan# 1859

Delta R.T. -0.01 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

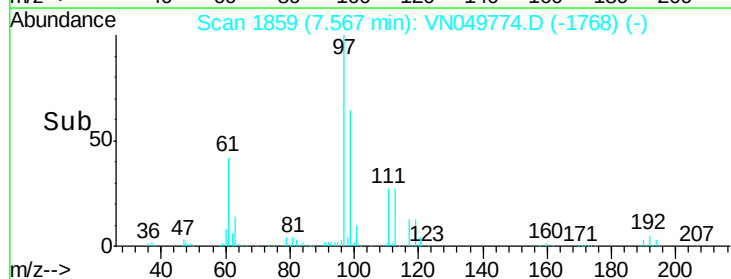
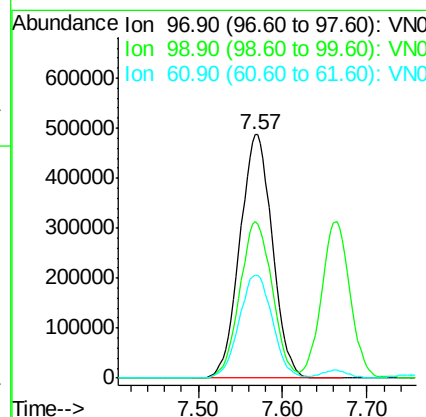
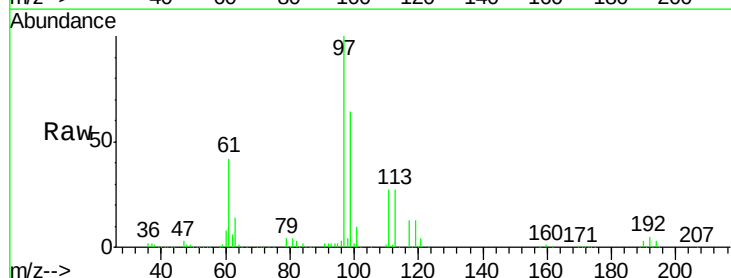
Tgt Ion: 97 Resp: 1306467

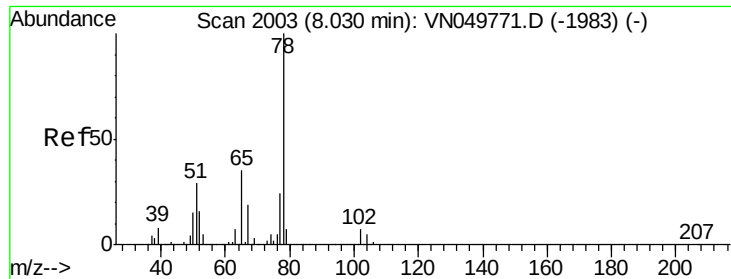
Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 43.1 35.5 53.3





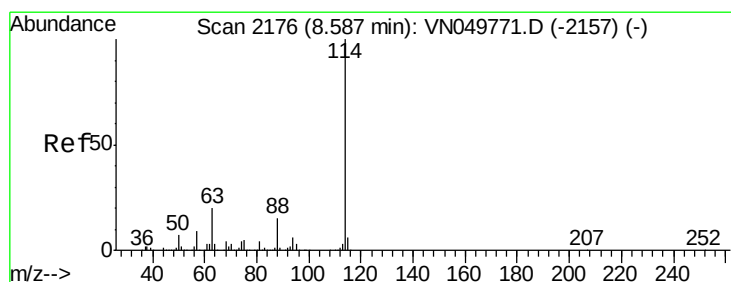
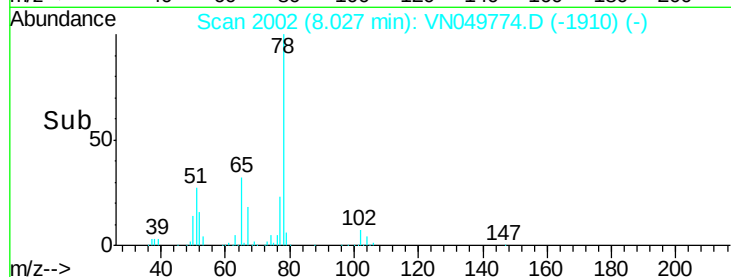
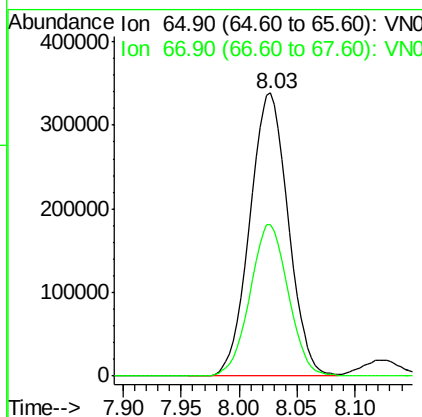
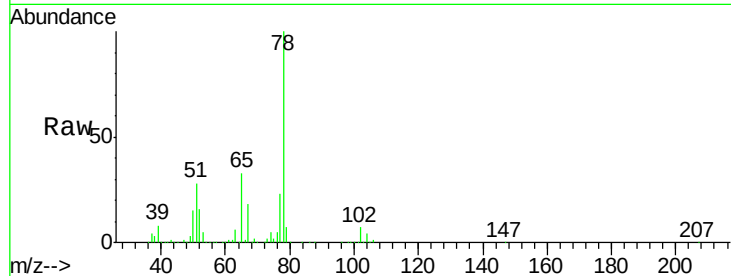
#33
 1,2-Dichloroethane-d4
 Concen: 45.97 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Tot Ion	Ratio	Resp	Lower	Upper
65	100	782216		
67	53.6	0.0	107.2	

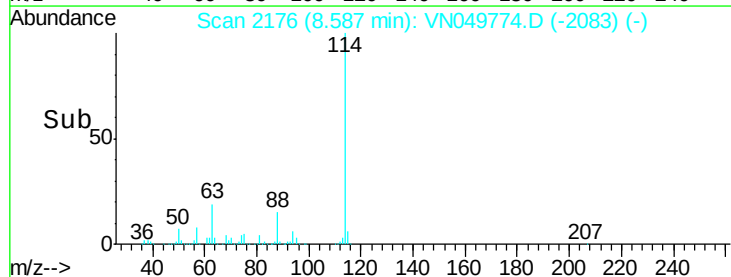
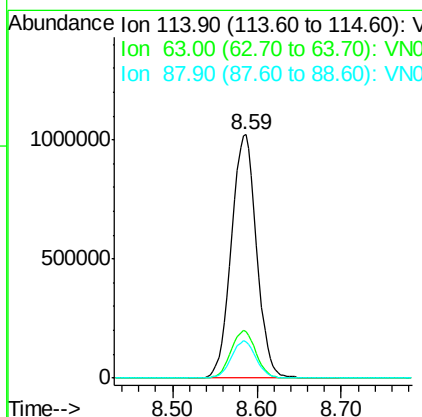
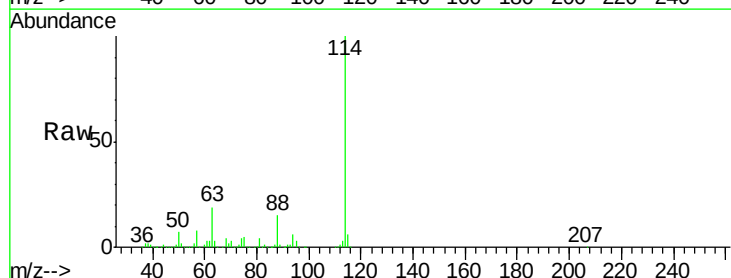
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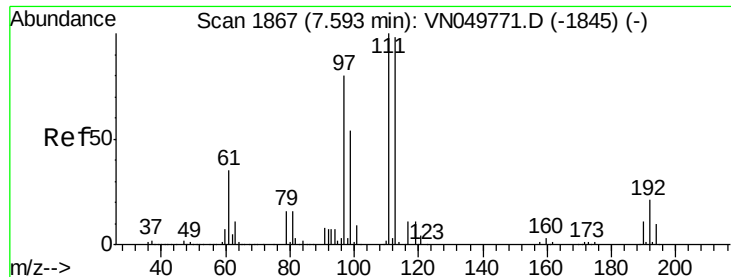
MMDadoda
 7/13/2018 1:35:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2125586		
63	19.1	0.0	39.8	
88	15.1	0.0	30.6	





#35

Dibromofluoromethane

Concen: 47.30 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

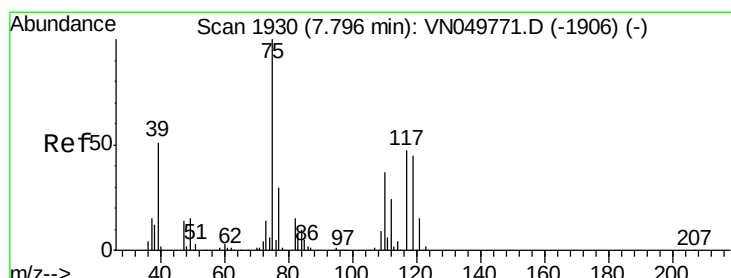
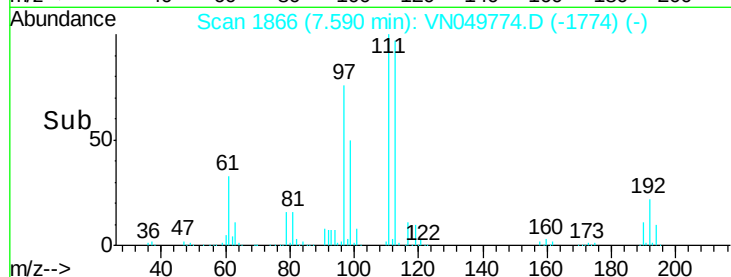
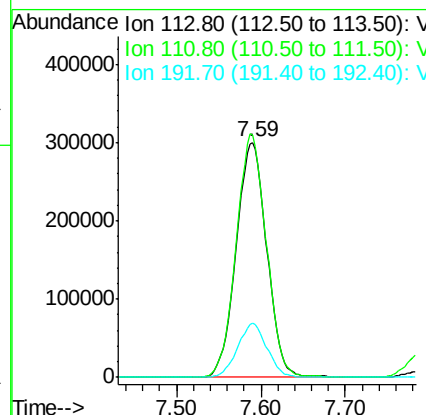
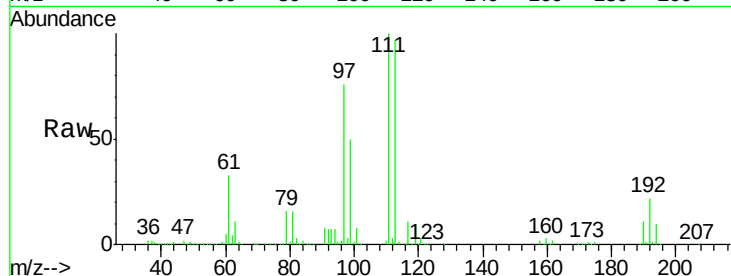
ClientSampleId :

ICVVN071218

Tot Ion:	113	Resp:	757850
Ion Ratio	Lower	Upper	
113	100		
111	102.1	81.8	122.8
192	22.1	17.8	26.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.21 ug/l

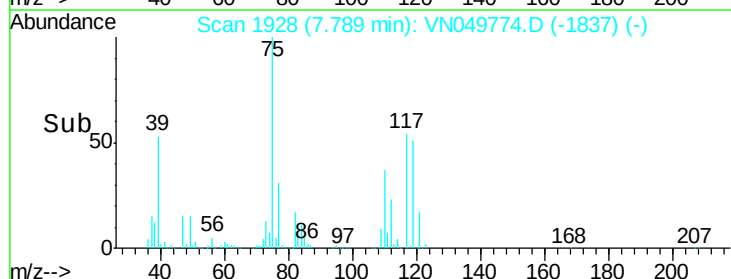
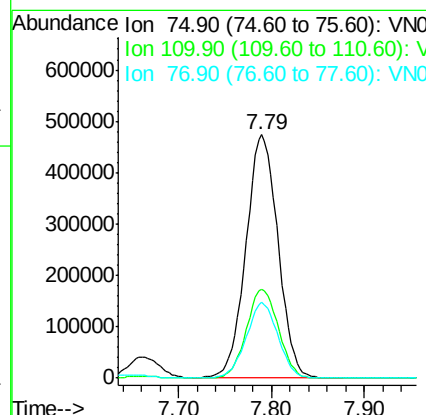
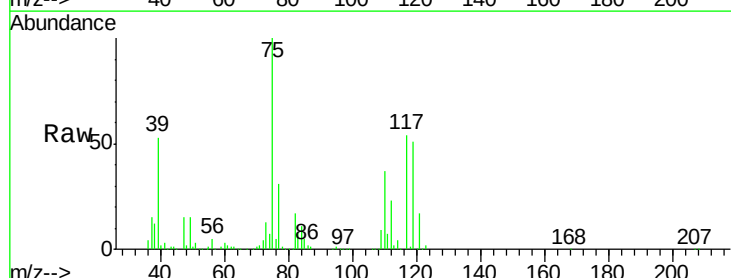
RT: 7.79 min Scan# 1928

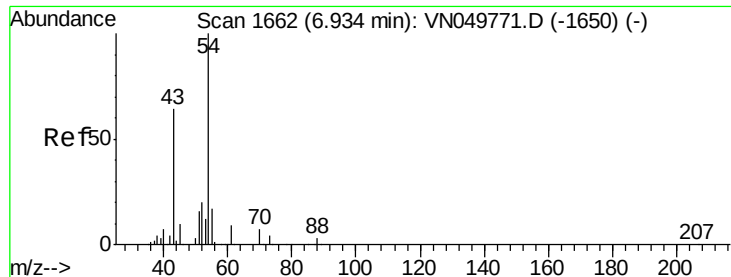
Delta R.T. -0.01 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	75	Resp:	1131875
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.1	54.4
77	31.0	24.9	37.3





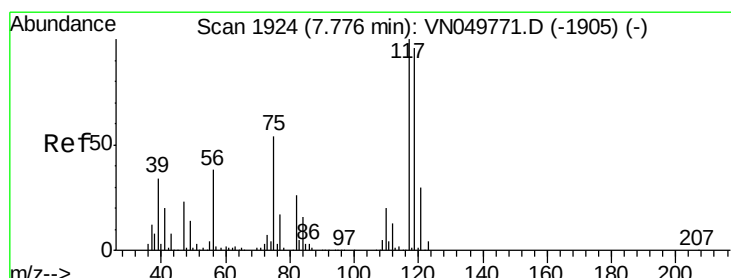
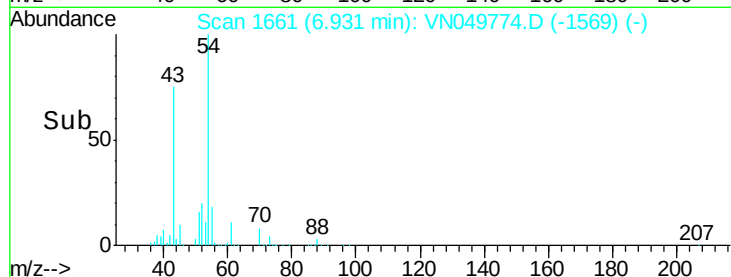
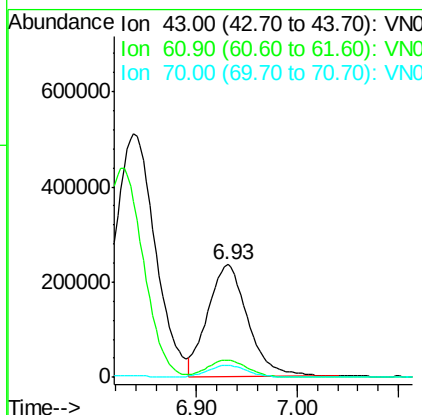
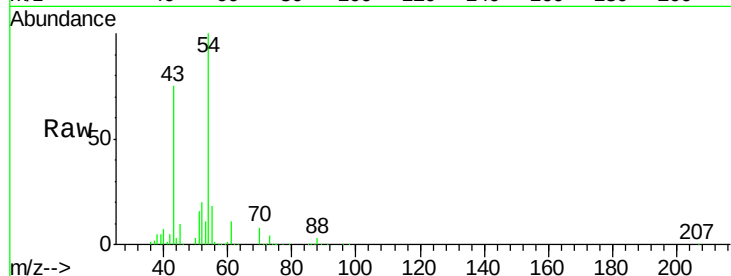
#37
Ethyl Acetate
Concen: 44.78 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.7	17.5
70	10.3	8.4	12.6

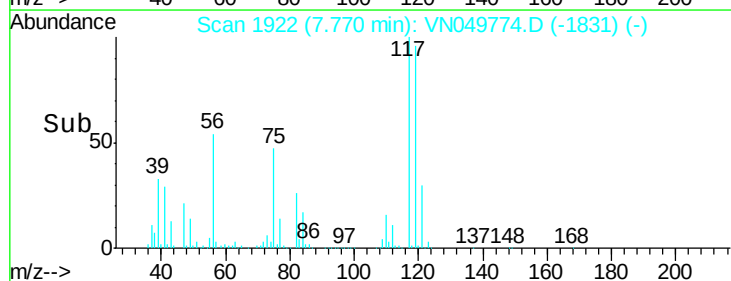
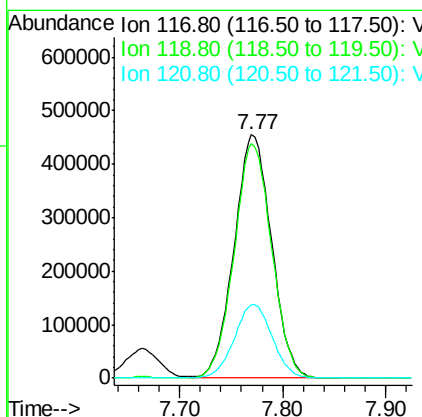
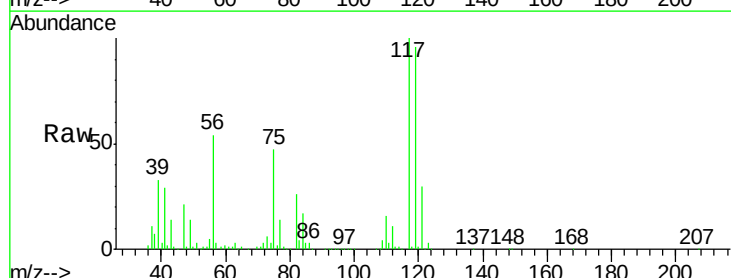
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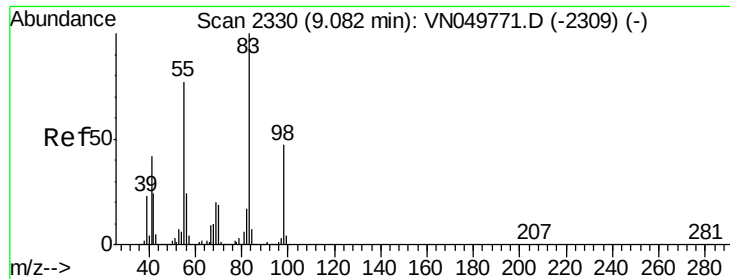
MMDadoda
7/13/2018 1:35:14 PM



#38
Carbon Tetrachloride
Concen: 44.82 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.2	115.8
121	30.1	25.0	37.6





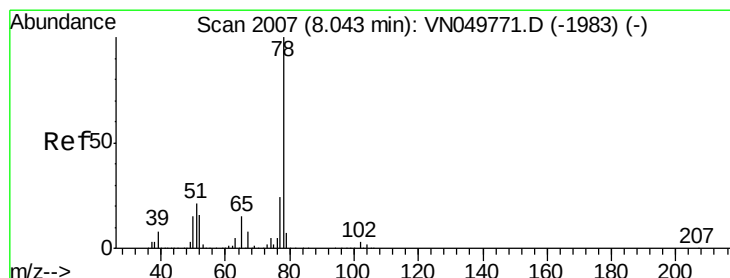
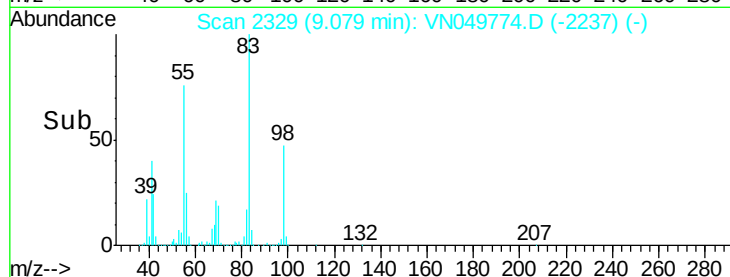
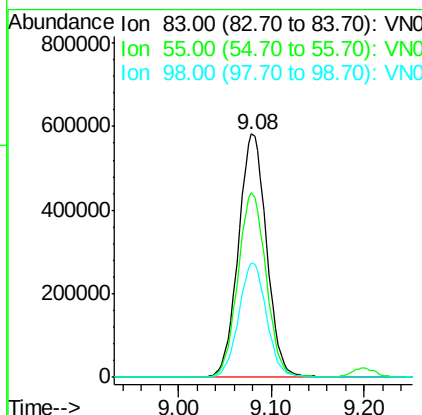
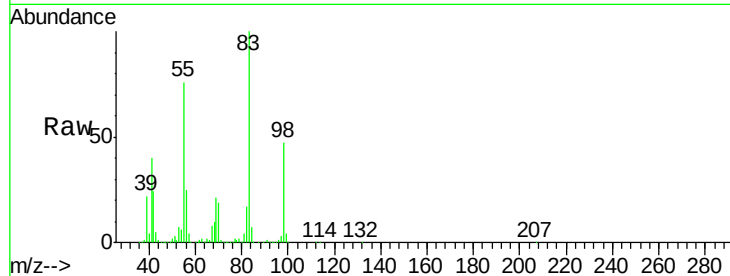
#39
Methylvlcyclohexane
Concen: 47.55 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	59.7	89.5
98	46.9	36.5	54.7

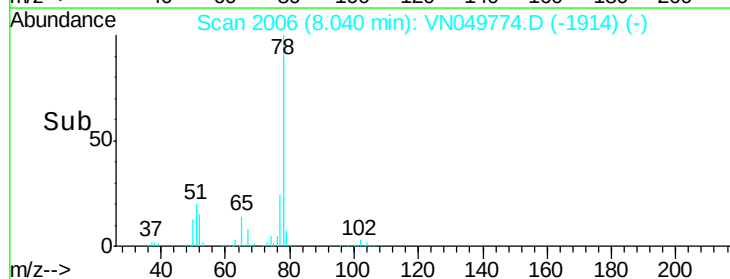
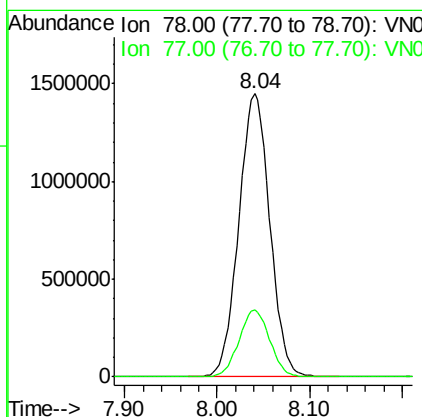
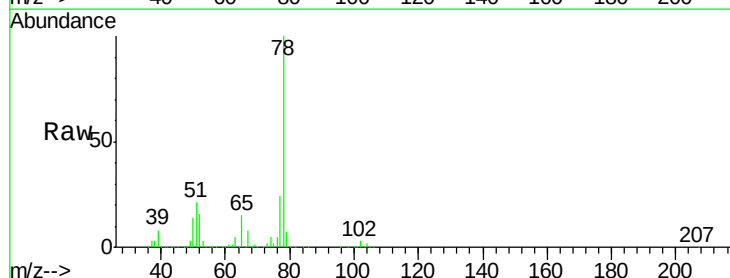
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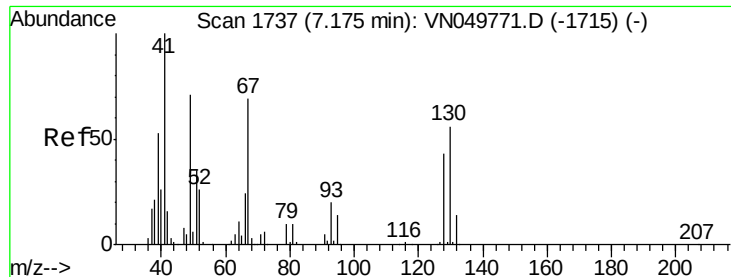
MMDadoda
7/13/2018 1:35:14 PM



#40
Benzene
Concen: 45.87 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





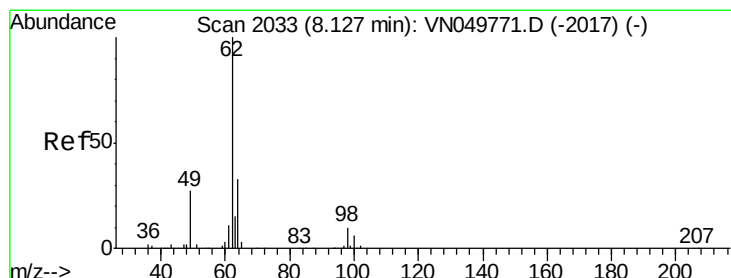
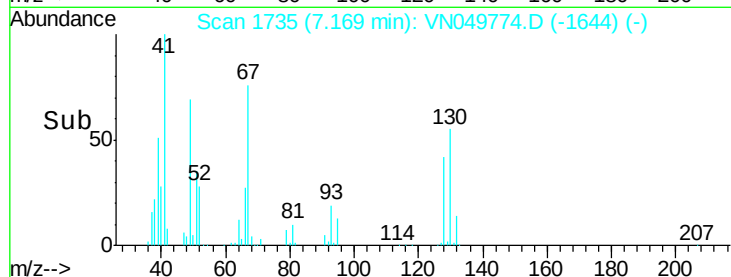
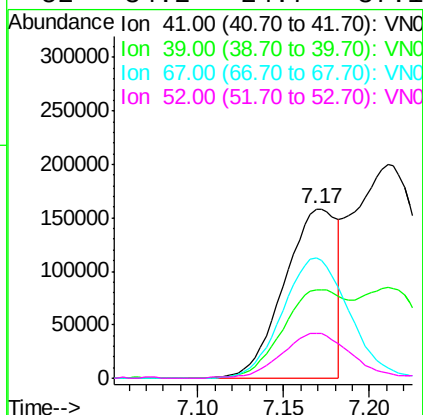
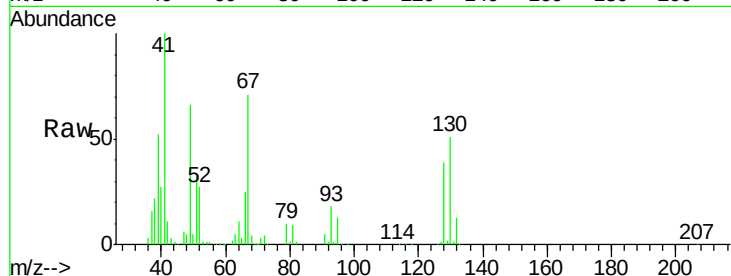
#41
Methacrylonitrile
Concen: 40.96 ug/l
RT: 7.17 min Scan# 1735
Delta R.T. -0.01 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.3	45.4	68.2	
67	90.7	65.4	98.0	
52	34.2	24.7	37.1	

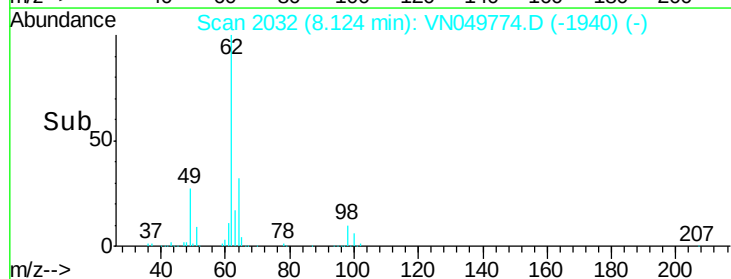
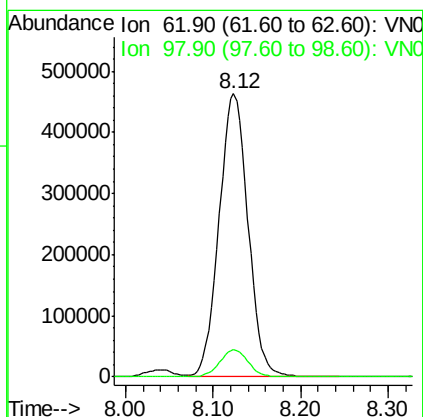
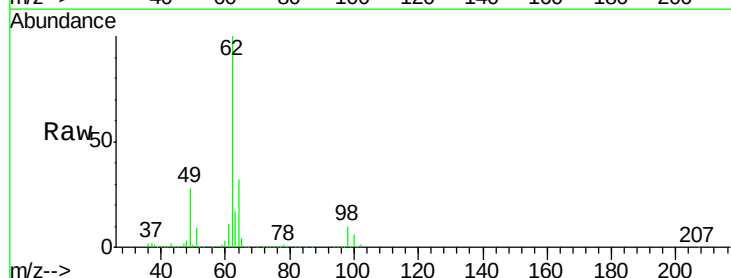
Manual Integrations
APPROVED

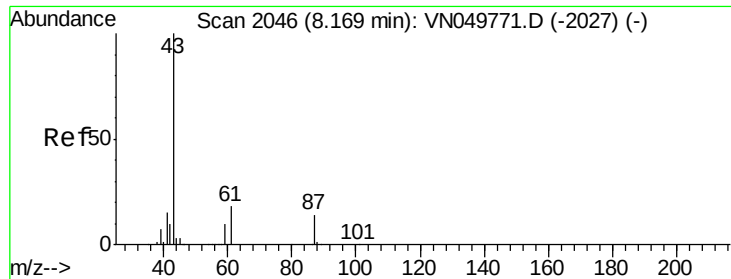
MMDadoda
7/13/2018 1:35:14 PM



#42
1,2-Dichloroethane
Concen: 44.31 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	19.0	





#43

Isopropyl Acetate

Concen: 46.37 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion: 43 Resp: 1208465

Ion Ratio Lower Upper

43 100

61 19.9 14.9 22.3

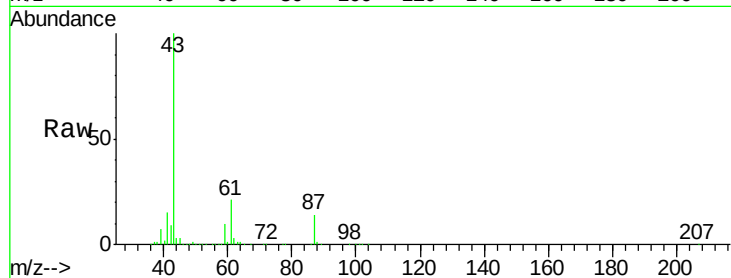
87 13.6 10.0 15.0

Manual Integrations

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MMDadoda

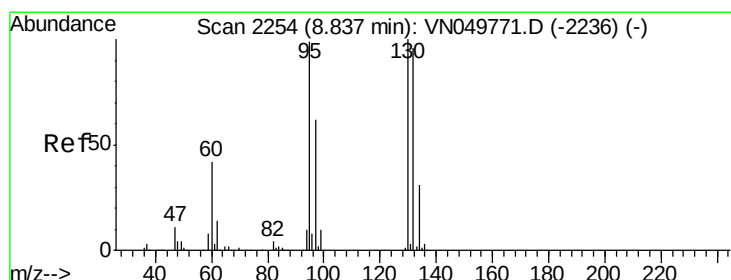
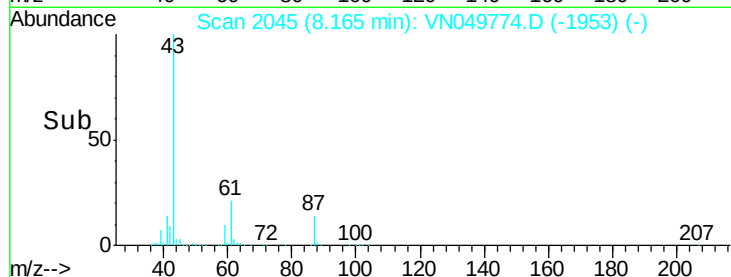
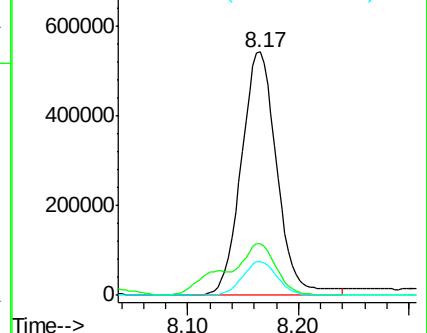
7/13/2018 1:35:14 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 45.57 ug/l

RT: 8.83 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VN049774.D

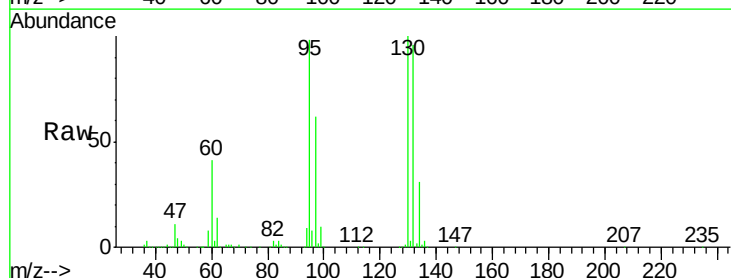
Acq: 12 Jul 2018 15:06

Tgt Ion:130 Resp: 899137

Ion Ratio Lower Upper

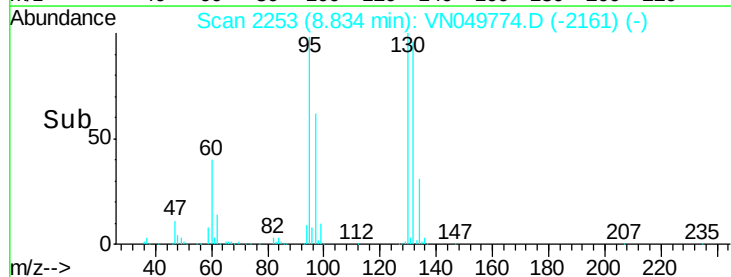
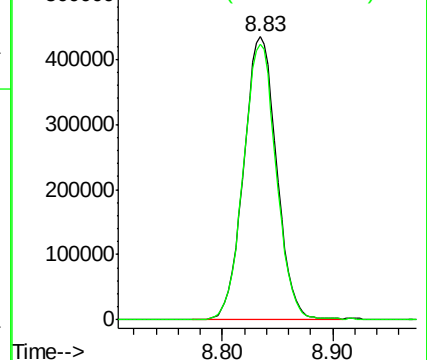
130 100

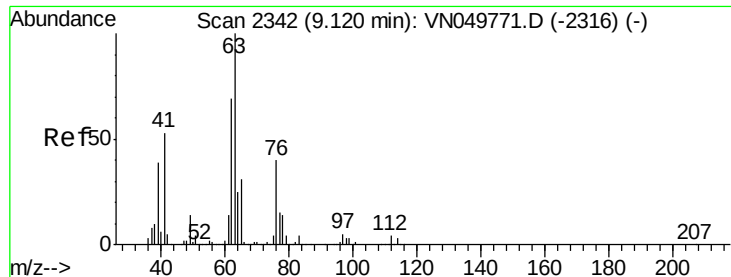
95 97.6 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0





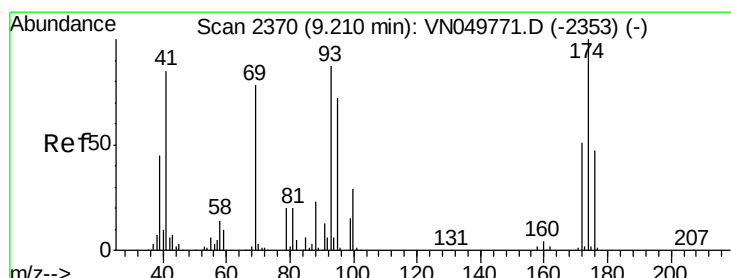
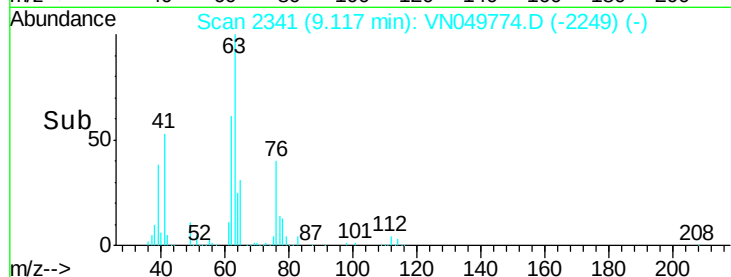
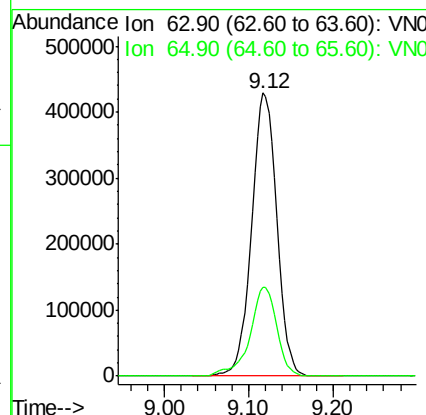
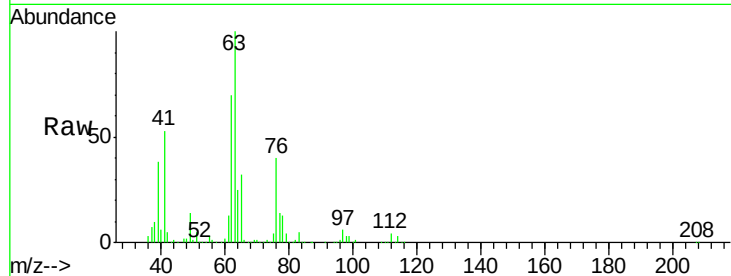
#45
 1,2-Dichloropropane
 Concen: 45.23 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

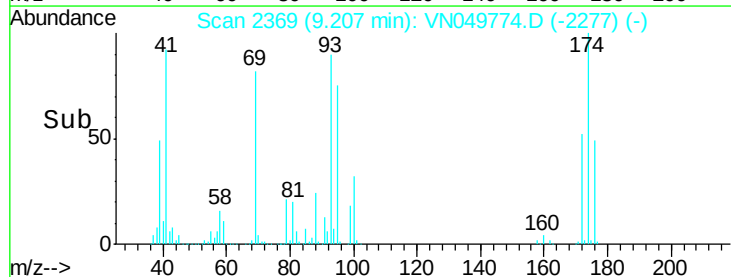
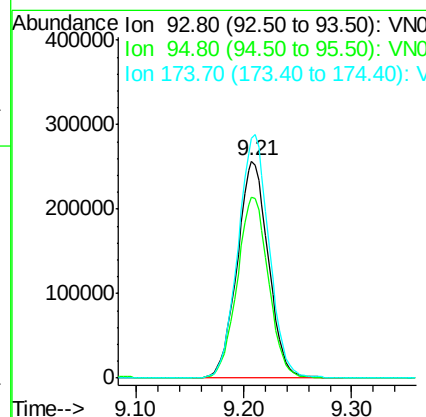
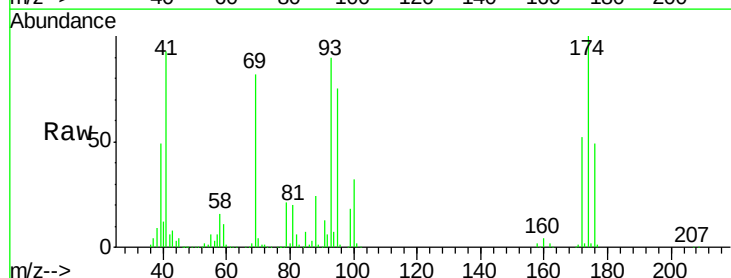
Manual Integrations
 APPROVED

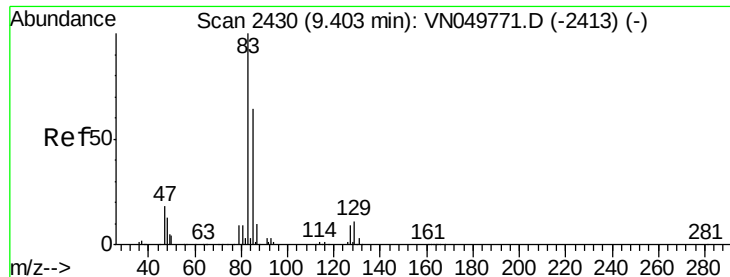
MMDadoda
 7/13/2018 1:35:14 PM



#46
 Dibromomethane
 Concen: 44.20 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.1	67.9	101.9
174	112.1	89.4	134.0





#47

Bromodichloromethane

Concen: 45.22 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion: 83 Resp: 1164745

Ion Ratio Lower Upper

83 100

85 63.9 50.5 75.7

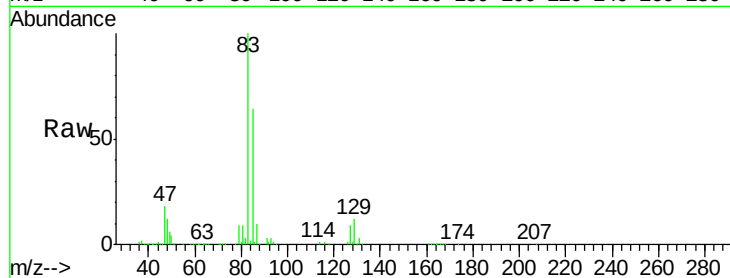
127 8.7 6.8 10.2

Manual Integrations

APPROVED

MMDadoda

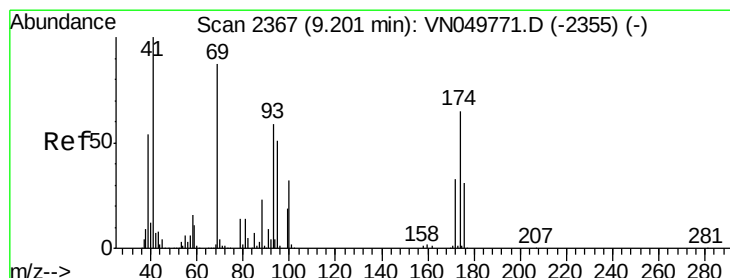
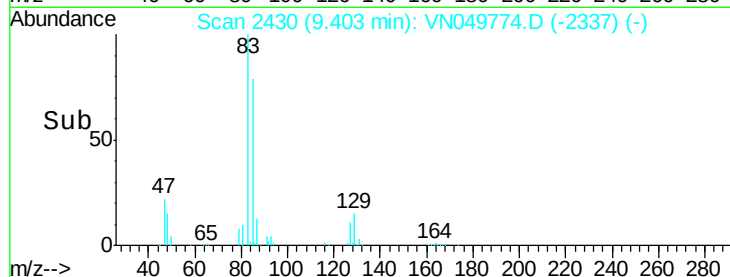
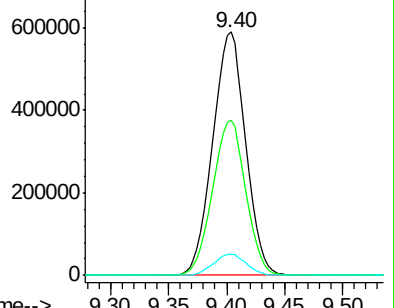
7/13/2018 1:35:14 PM



Abundance Ion 82.90 (82.60 to 83.60): VN049774.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049774.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049774.D (-2337) (-)



#48

Methyl methacrylate

Concen: 47.11 ug/l

RT: 9.20 min Scan# 2366

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

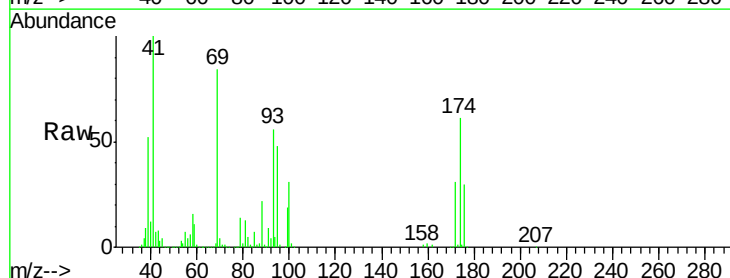
Tgt Ion: 41 Resp: 613847

Ion Ratio Lower Upper

41 100

69 86.5 71.5 107.3

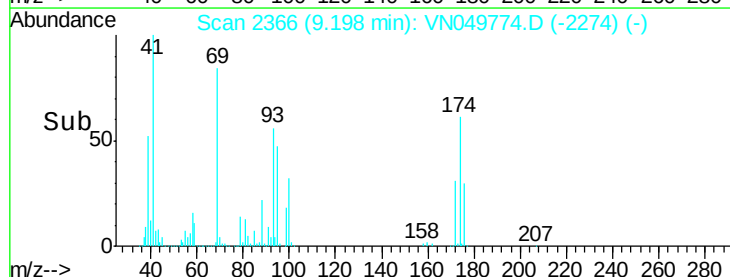
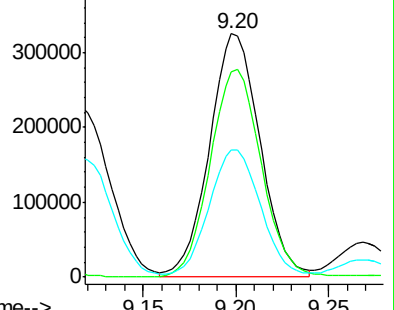
39 53.4 44.7 67.1

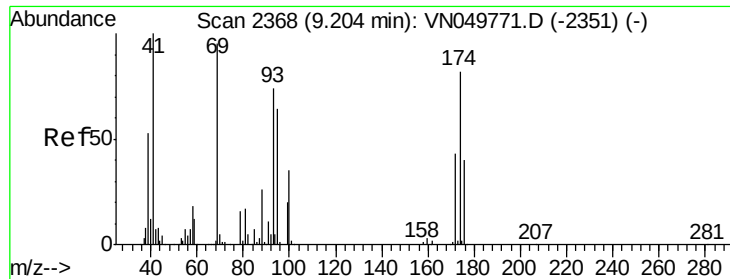


Abundance Ion 41.00 (40.70 to 41.70): VN049774.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049774.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049774.D (-2274) (-)





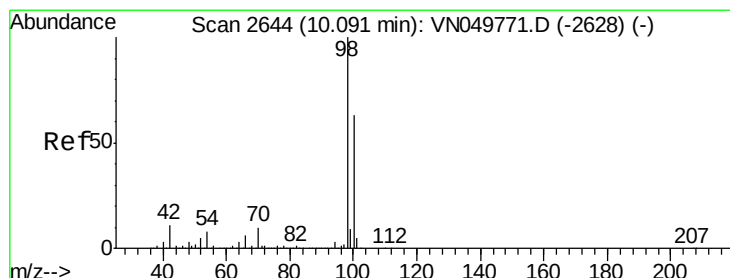
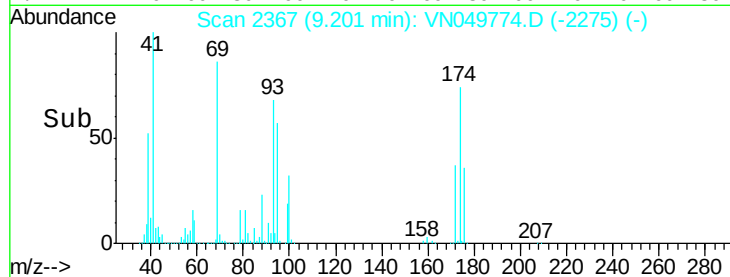
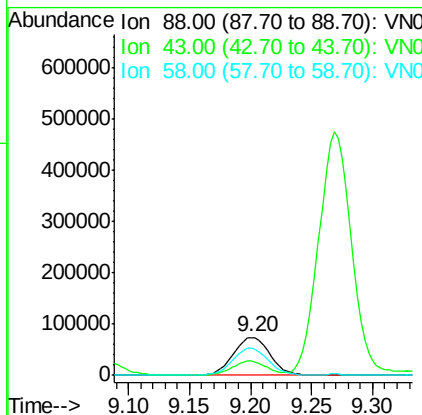
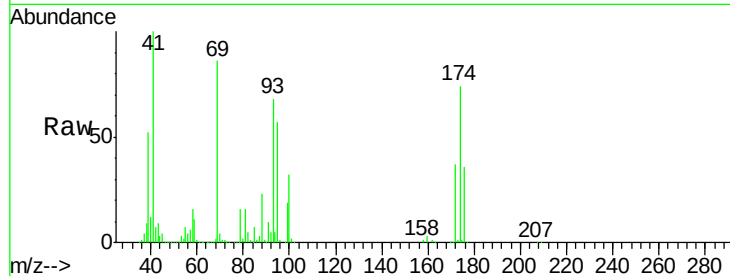
#49
1,4-Dioxane
Concen: 903.88 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion	88	Resp	154319
Ion	Ratio	Lower	Upper
88	100		
43	35.0	25.1	37.7
58	70.1	52.5	78.7

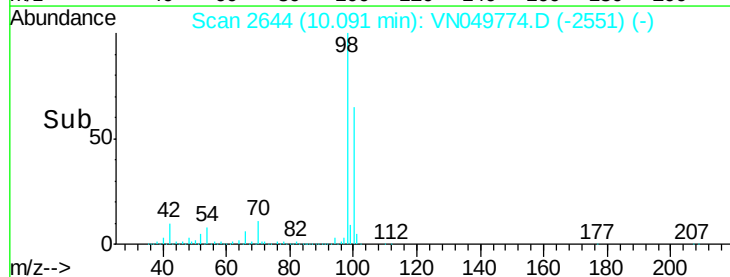
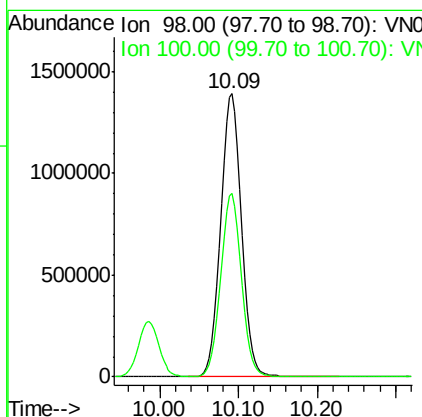
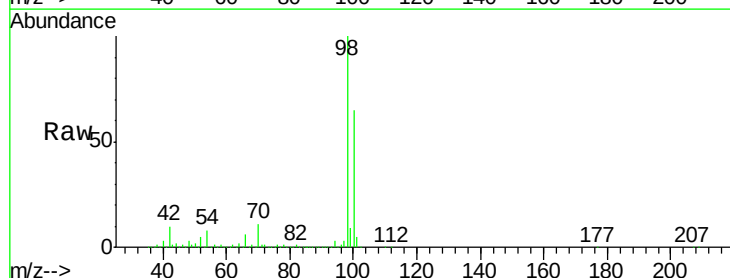
Manual Integrations
APPROVED

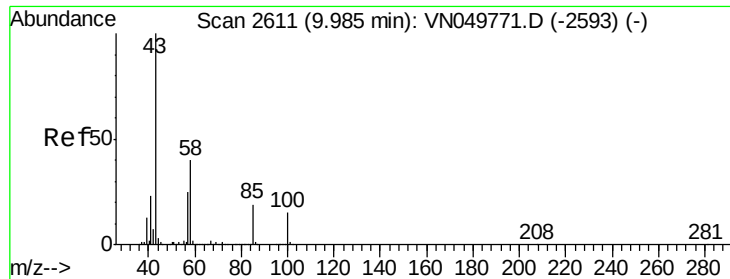
MMDadoda
7/13/2018 1:35:14 PM



#50
Toluene-d8
Concen: 46.09 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion	98	Resp	2527651
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





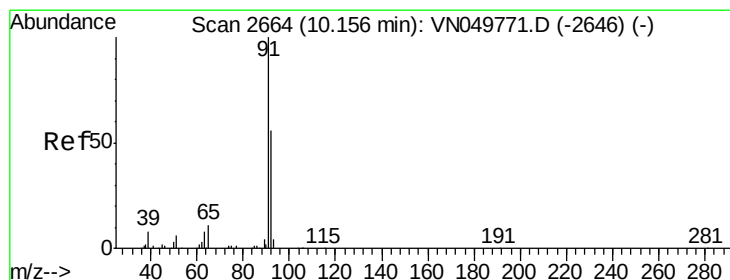
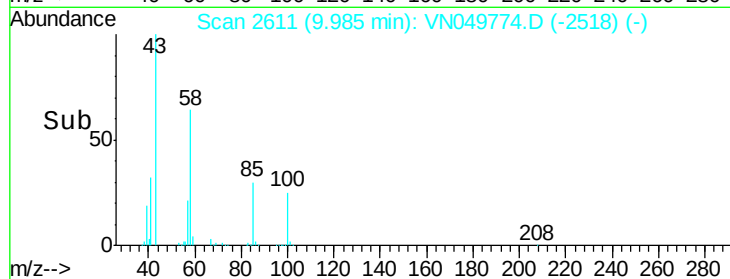
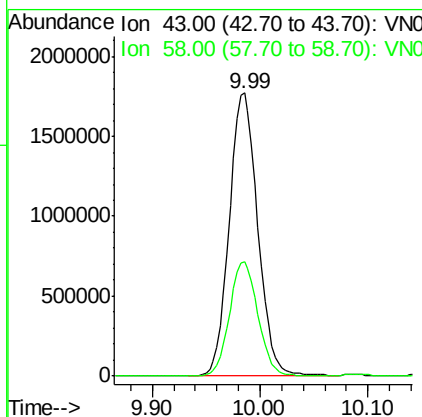
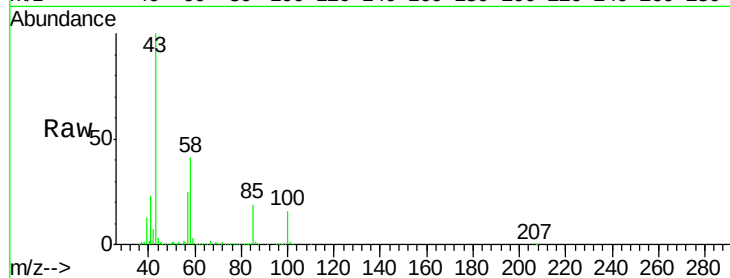
#51
4-Methyl-2-Pentanone
Concen: 229.29 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion: 43 Resp: 3244379
Ion Ratio Lower Upper
43 100
58 40.4 31.8 47.8

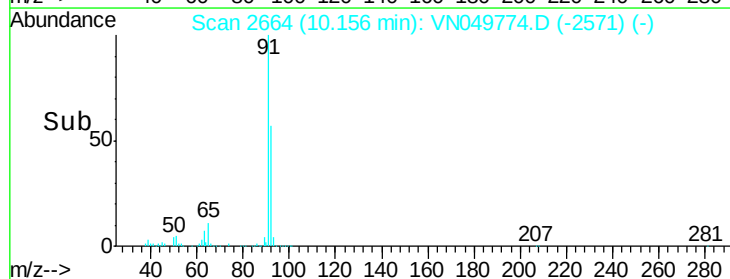
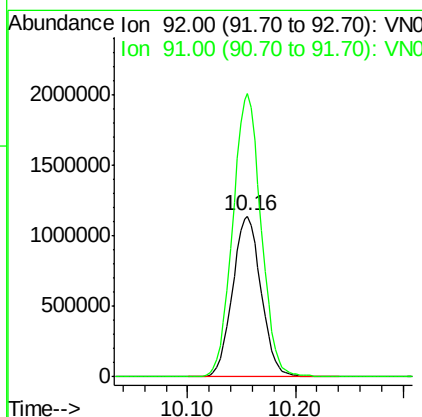
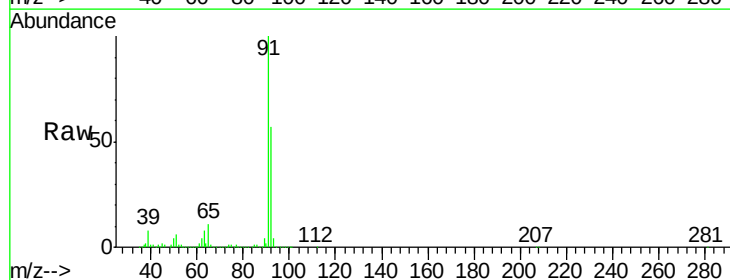
Manual Integrations
APPROVED

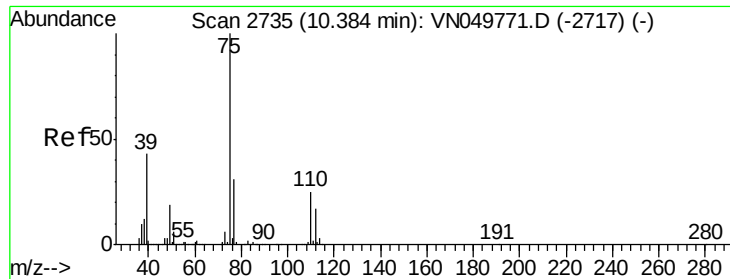
MMDadoda
7/13/2018 1:35:14 PM



#52
Toluene
Concen: 47.92 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 92 Resp: 2101405
Ion Ratio Lower Upper
92 100
91 175.2 140.1 210.1





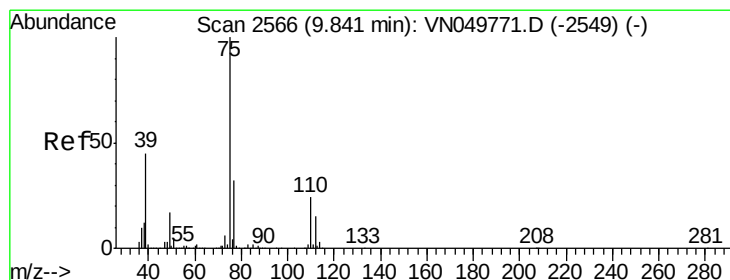
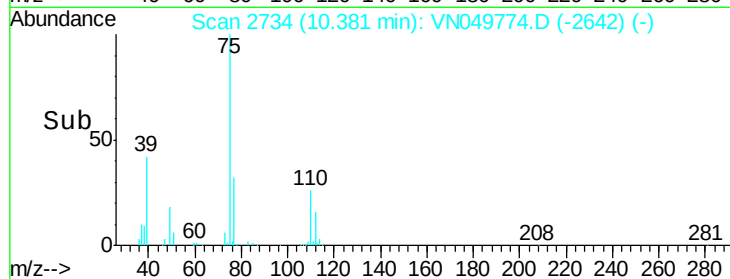
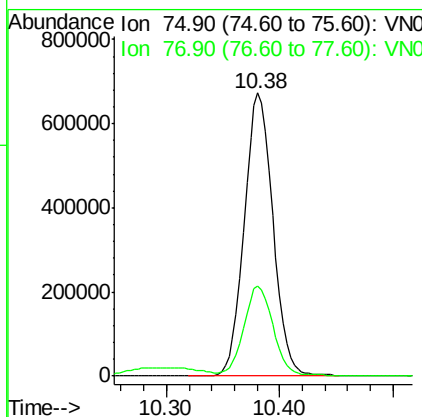
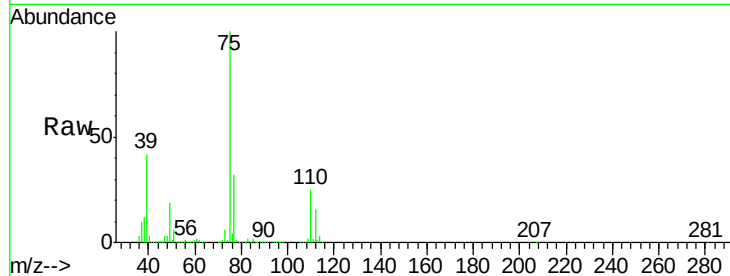
#53
t-1,3-Dichloropropene
Concen: 47.95 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion: 75 Resp: 1187826
Ion Ratio Lower Upper
75 100
77 31.7 25.2 37.8

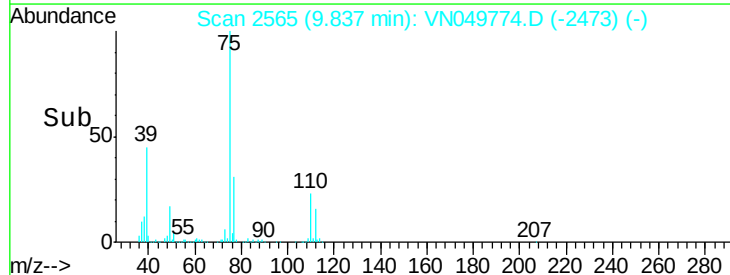
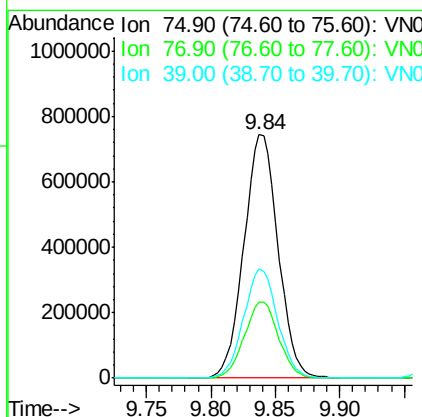
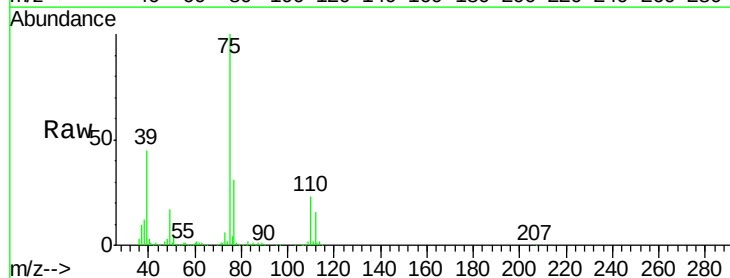
Manual Integrations
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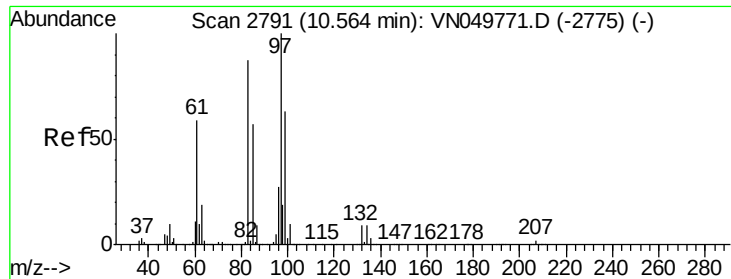
MMDadoda
7/13/2018 1:35:14 PM



#54
cis-1,3-Dichloropropene
Concen: 48.67 ug/l
RT: 9.84 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 75 Resp: 1373204
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9
39 44.6 35.5 53.3





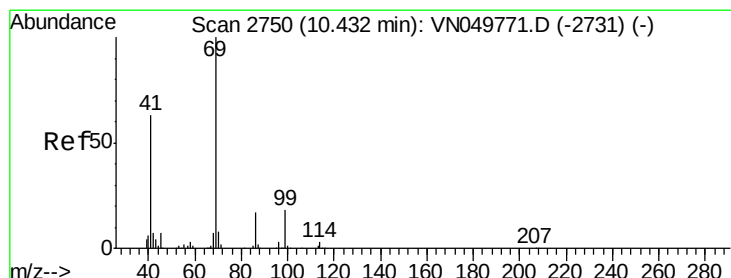
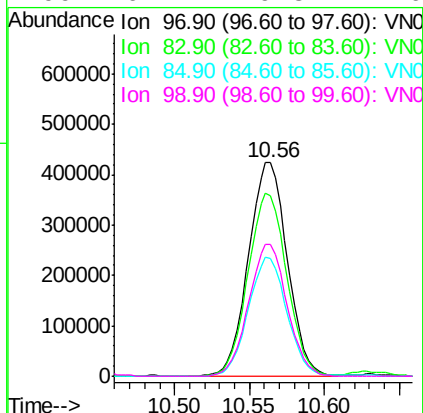
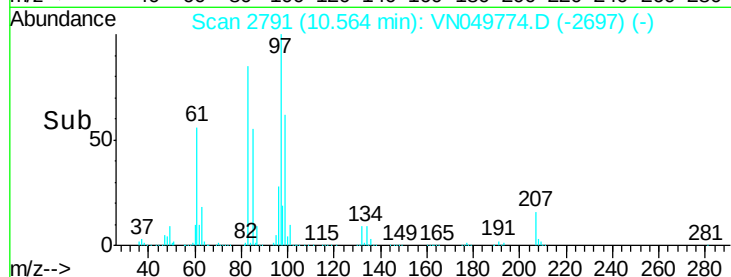
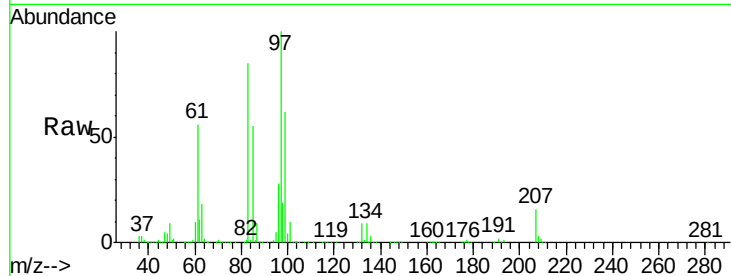
#55
 1,1,2-Trichloroethane
 Concen: 46.14 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		766408		
83	84.6	69.0	103.6		
85	55.1	44.9	67.3		
99	61.7	49.8	74.6		

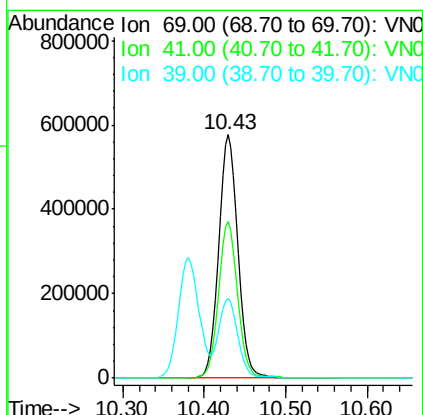
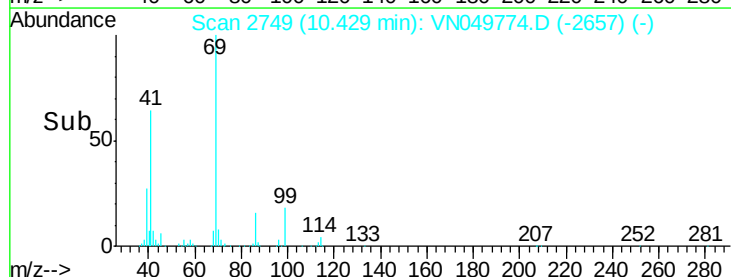
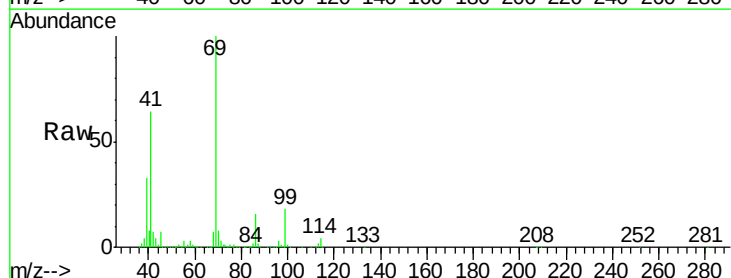
Manual Integrations
 APPROVED

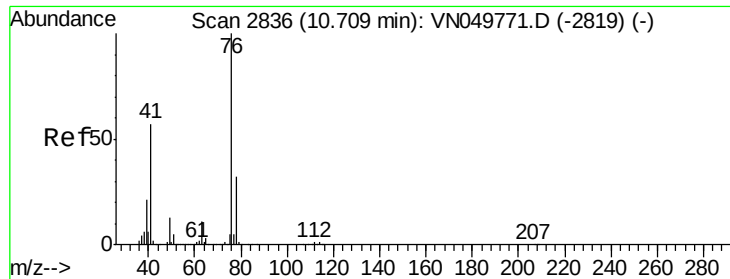
MMDadoda
 7/13/2018 1:35:14 PM



#56
 Ethyl methacrylate
 Concen: 48.75 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		965104		
41	63.1	51.6	77.4		
39	33.0	25.8	38.8		





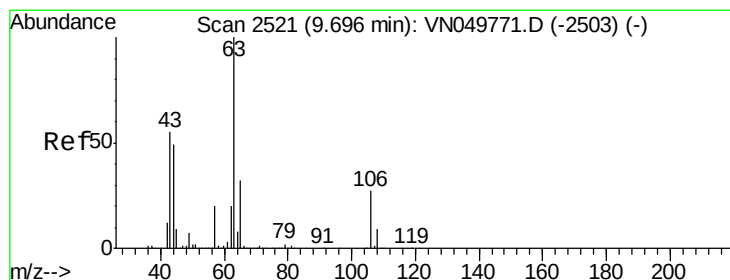
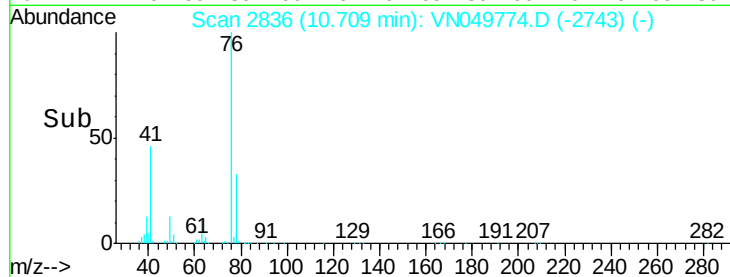
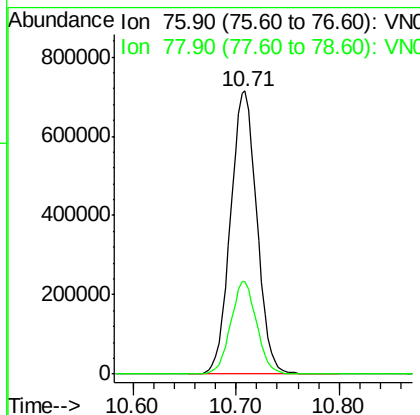
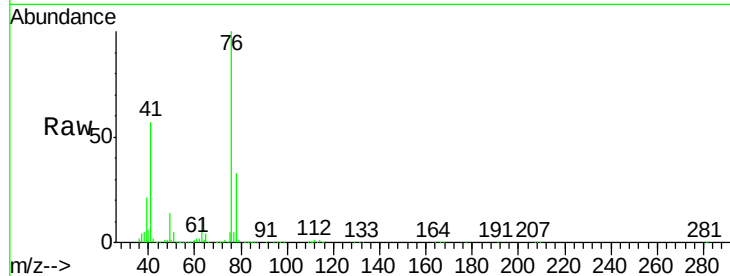
#57
 1,3-Dichloropropane
 Concen: 45.51 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Tot Ion: 76 Resp: 1271384
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.8

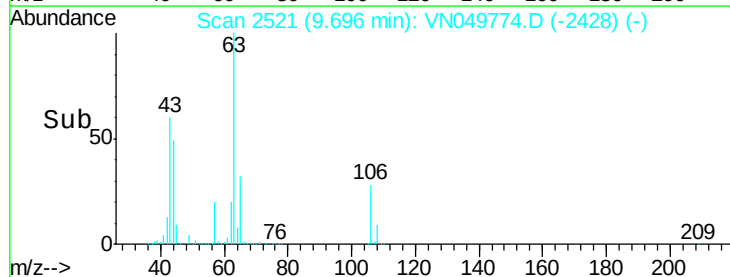
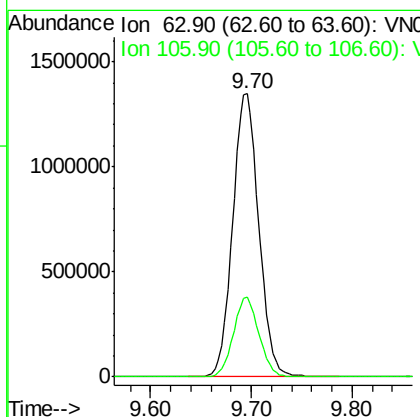
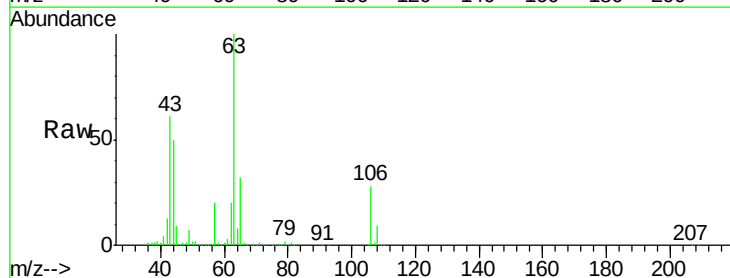
Manual Integrations
 APPROVED

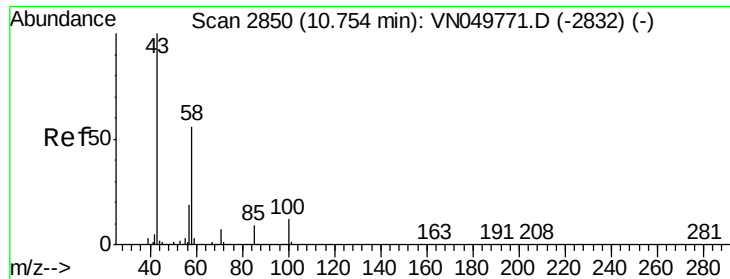
MMDadoda
 7/13/2018 1:35:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.77 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion: 63 Resp: 2428182
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.8 32.8





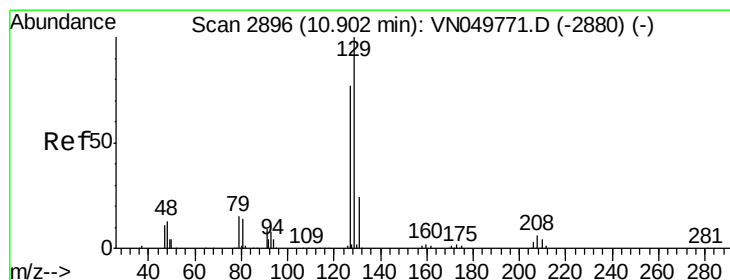
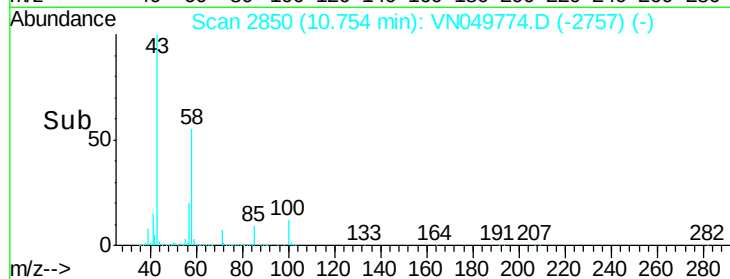
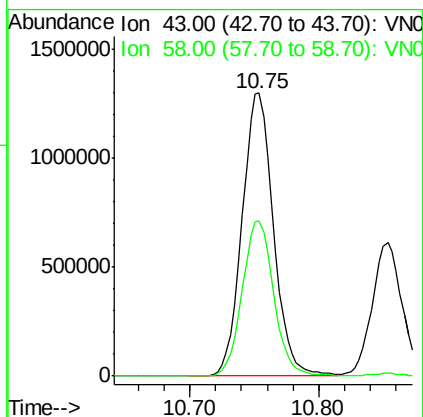
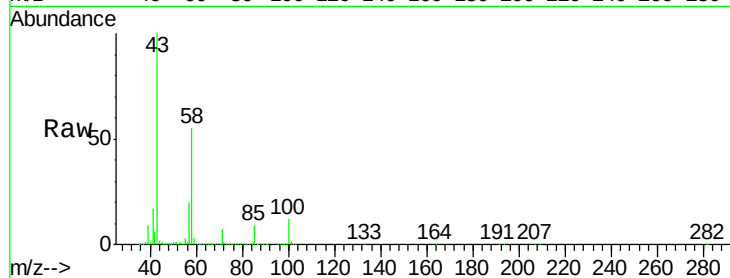
#59
2-Hexanone
Concen: 234.09 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion: 43 Resp: 2202054
Ion Ratio Lower Upper
43 100
58 55.4 27.8 83.4

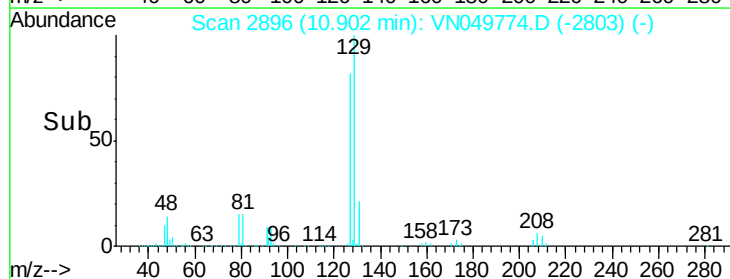
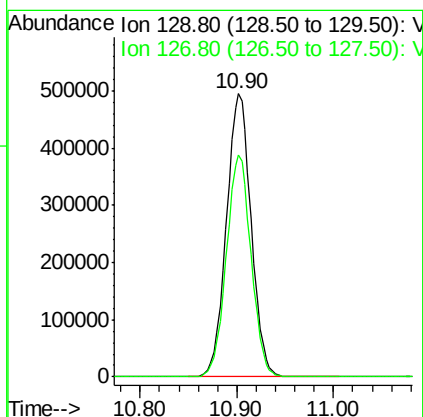
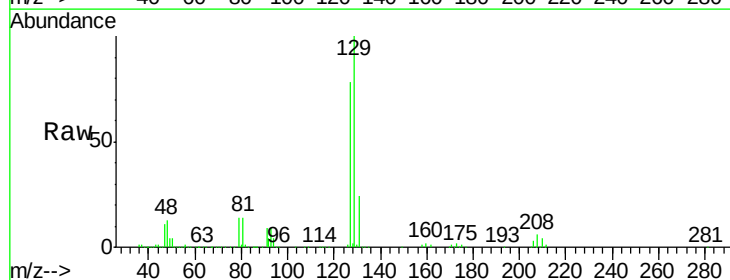
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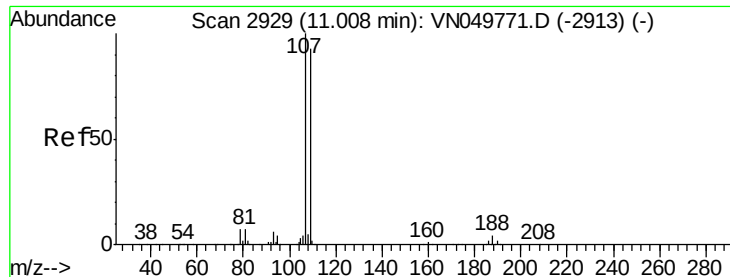
MMDadoda
7/13/2018 1:35:14 PM



#60
Dibromochloromethane
Concen: 45.67 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 129 Resp: 877346
Ion Ratio Lower Upper
129 100
127 78.2 38.3 114.9





#61

1,2-Dibromoethane

Concen: 46.31 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion: 107 Resp: 739143

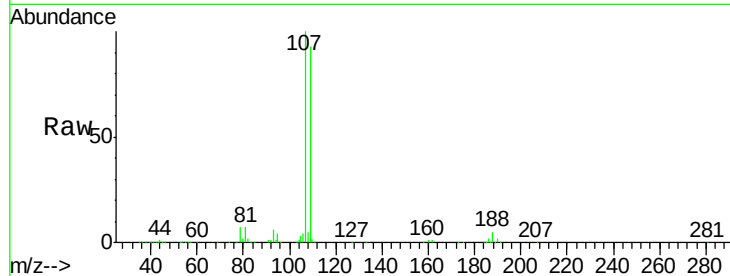
Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.6

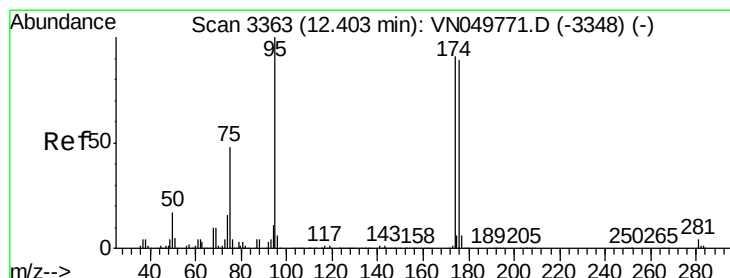
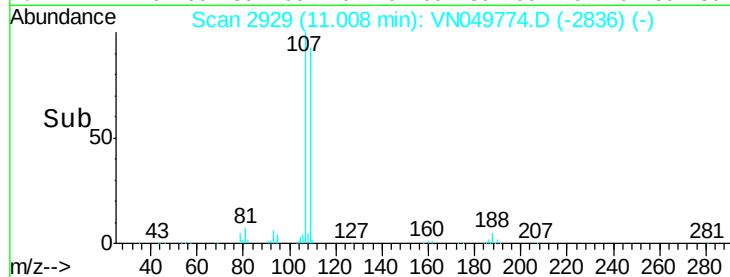
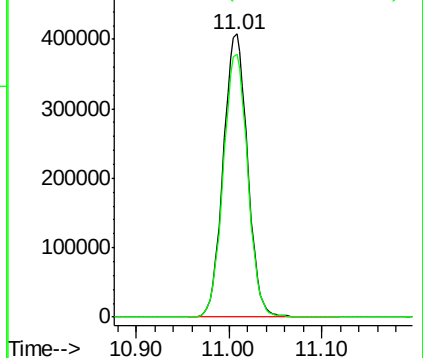
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

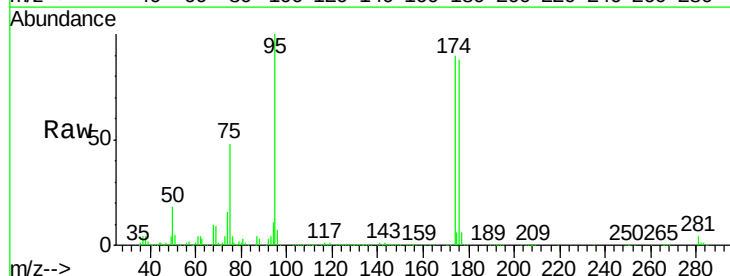
Tgt Ion: 95 Resp: 949791

Ion Ratio Lower Upper

95 100

174 89.4 0.0 179.6

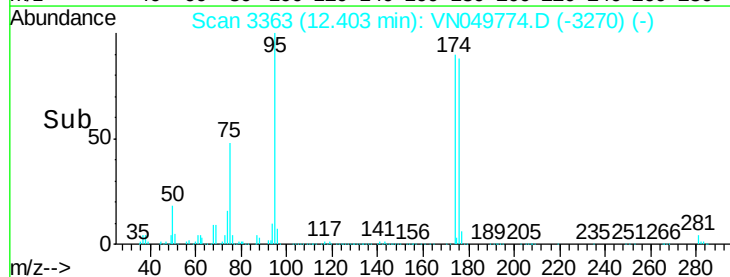
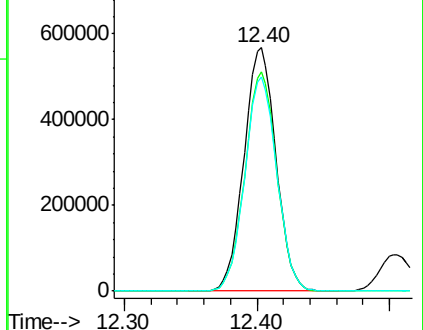
176 88.1 0.0 174.0

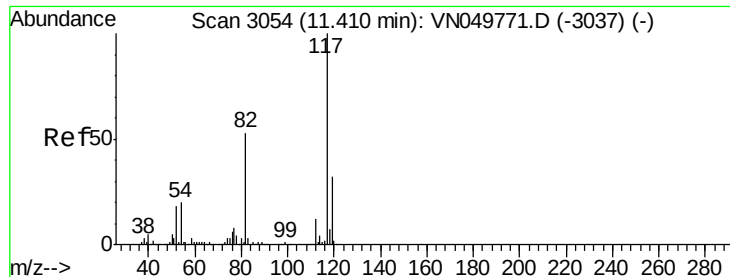


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN071218

Tot Ion:117 Resp: 1930169

Ion Ratio Lower Upper

117 100

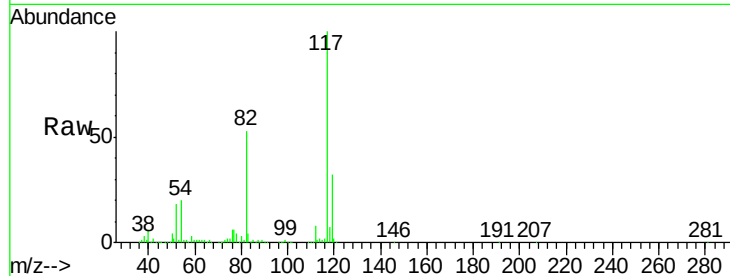
82 53.3 41.9 62.9

119 32.0 25.4 38.2

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Abundance Ion 116.90 (116.60 to 117.60): V

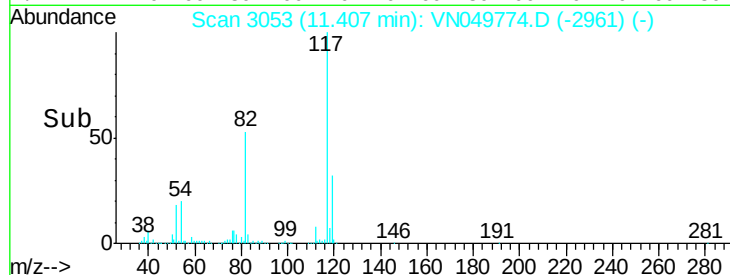
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

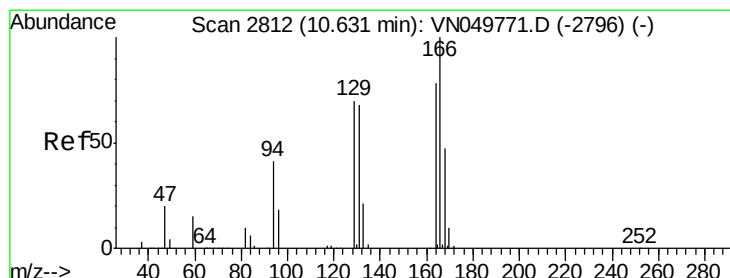
11.41

11.40

11.50



Time--> 11.30



#64

Tetrachloroethene

Concen: 45.45 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Tgt Ion:164 Resp: 796594

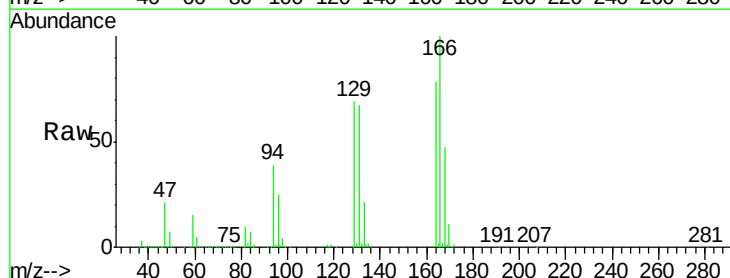
Ion Ratio Lower Upper

164 100

166 128.2 101.8 152.6

129 88.9 72.8 109.2

131 85.8 70.0 105.0



Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

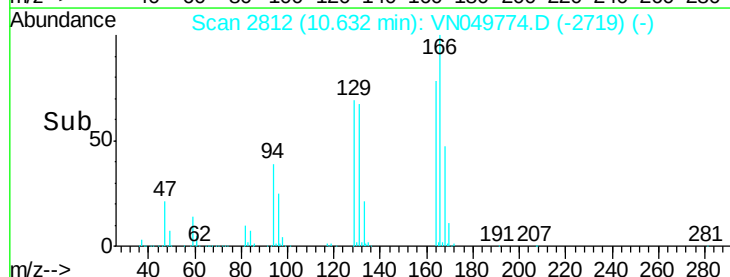
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

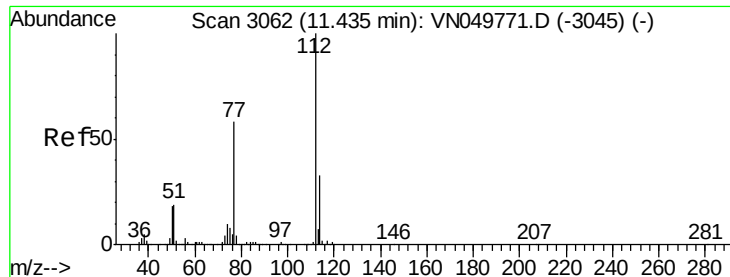
10.63

10.60

10.70



Time--> 10.50



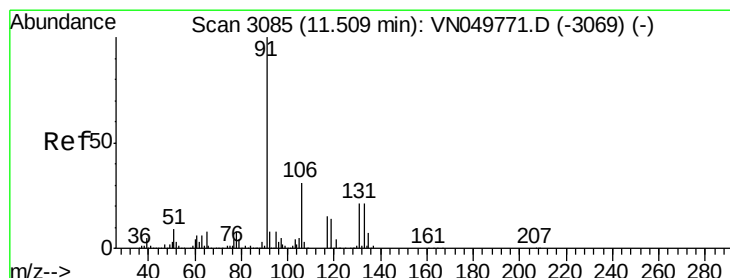
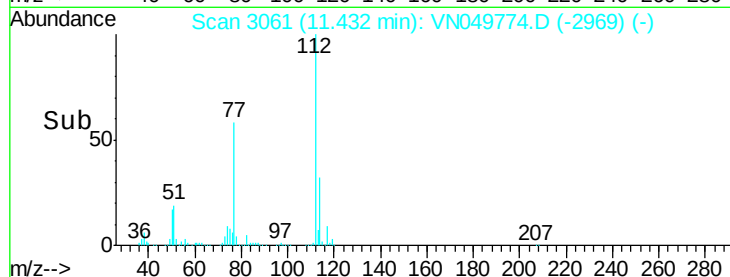
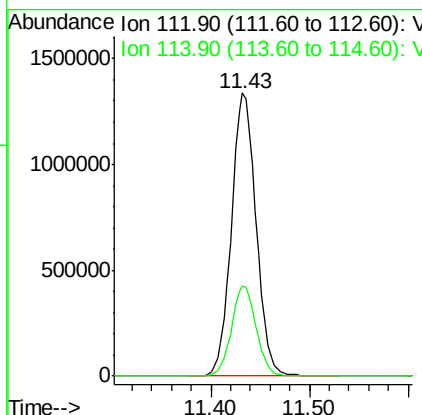
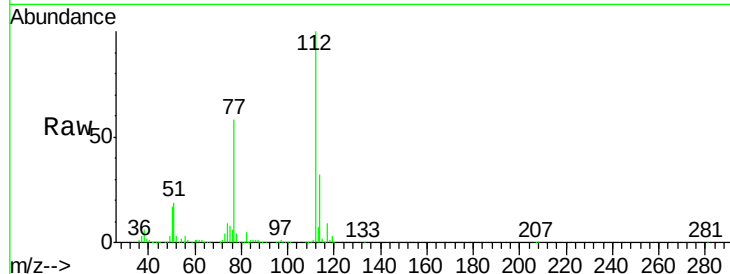
#65
Chlorobenzene
Concen: 46.26 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampled :
ICVVN071218

Tot Ion:112 Resp: 2325960
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

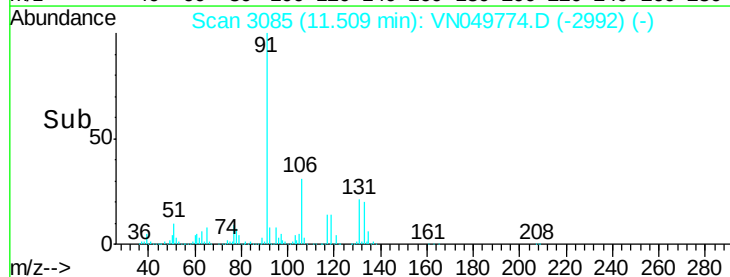
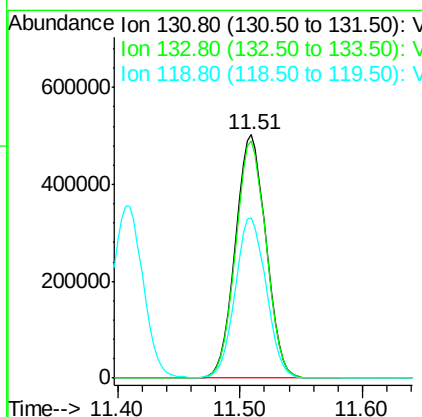
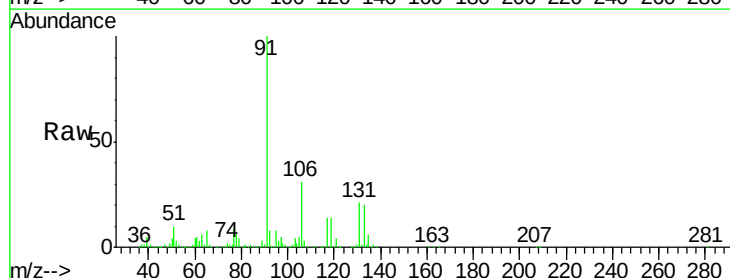
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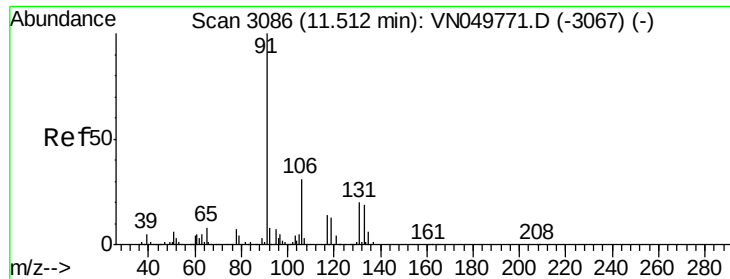
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#66
1,1,1,2-Tetrachloroethane
Concen: 46.08 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion:131 Resp: 871756
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.6
119 66.7 33.1 99.3





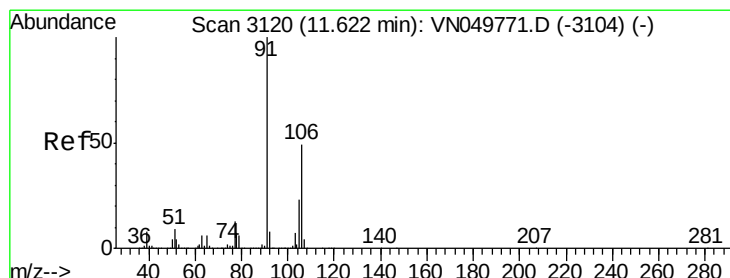
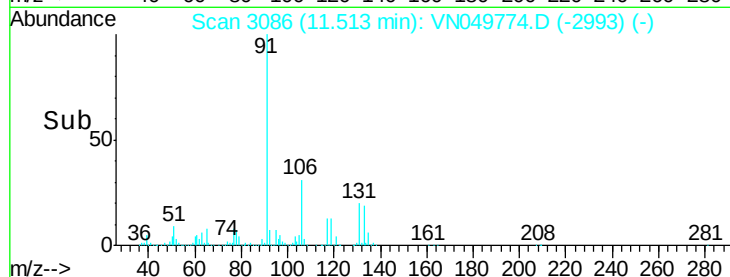
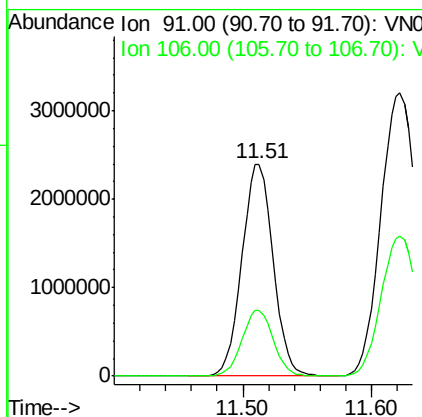
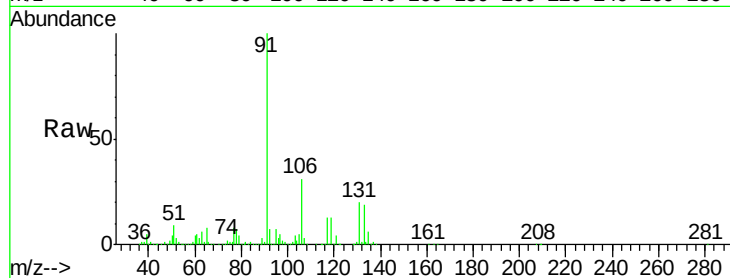
#67
Ethyl Benzene
Concen: 49.03 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion: 91 Resp: 4037286
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2

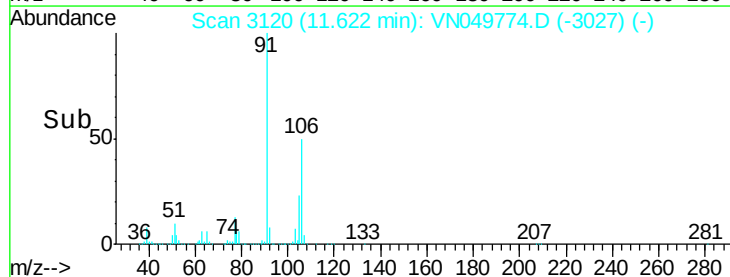
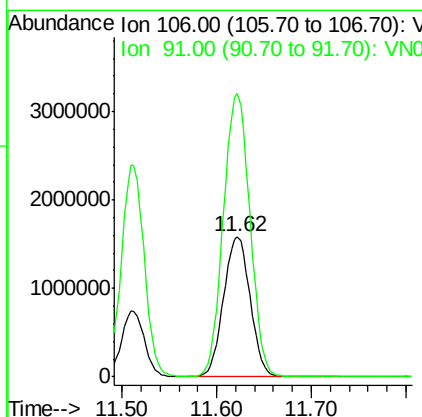
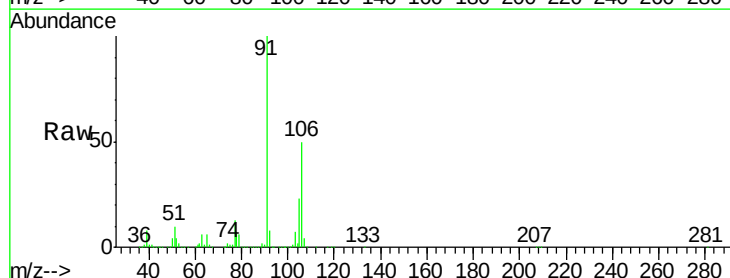
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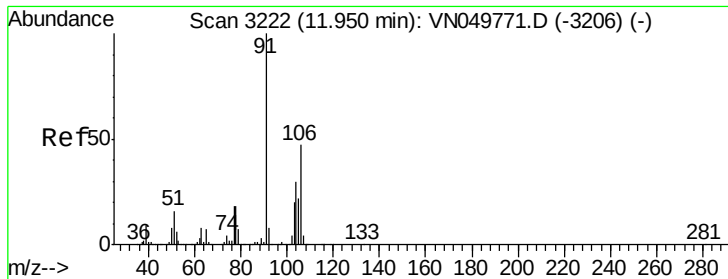
MMDadoda
7/13/2018 1:35:14 PM



#68
m/p-Xylenes
Concen: 99.87 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 106 Resp: 3086588
Ion Ratio Lower Upper
106 100
91 202.7 163.4 245.2





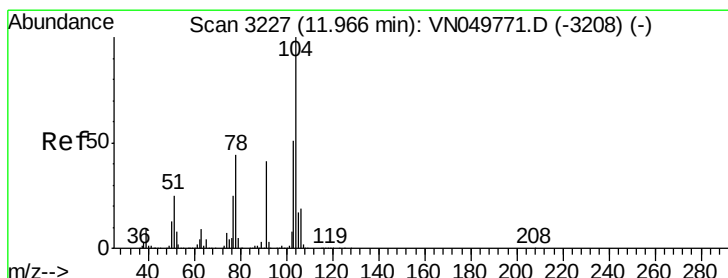
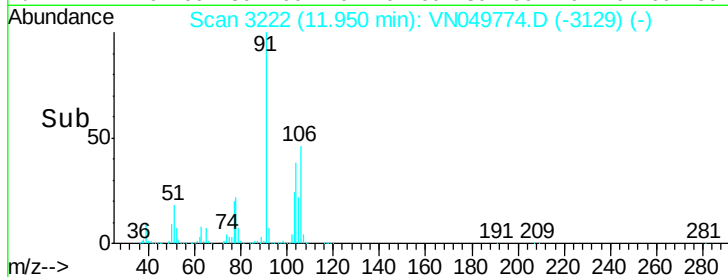
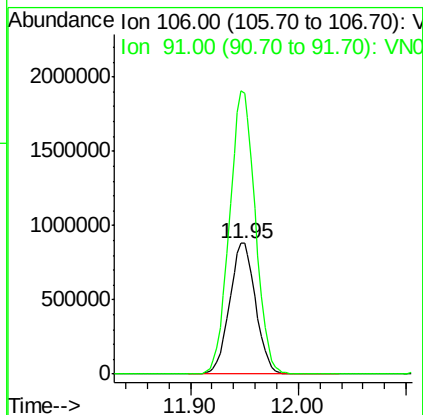
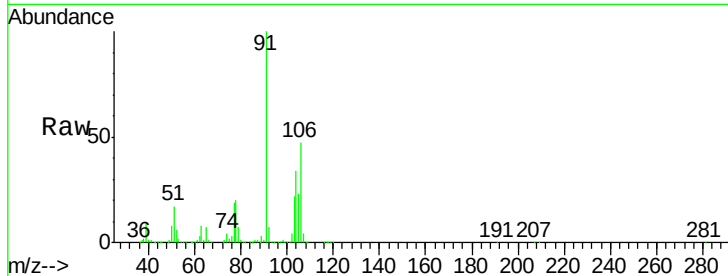
#69
o-Xylene
Concen: 49.59 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion:106 Resp: 1480480
Ion Ratio Lower Upper
106 100
91 214.8 108.7 326.1

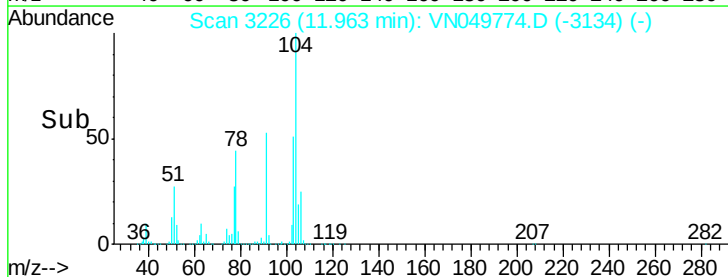
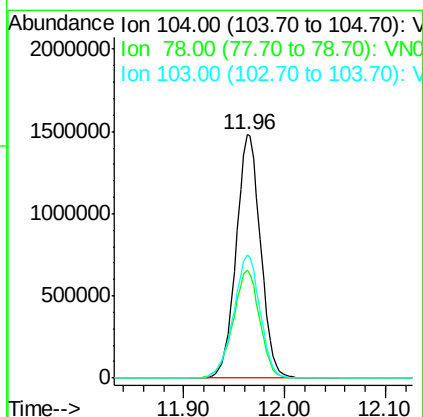
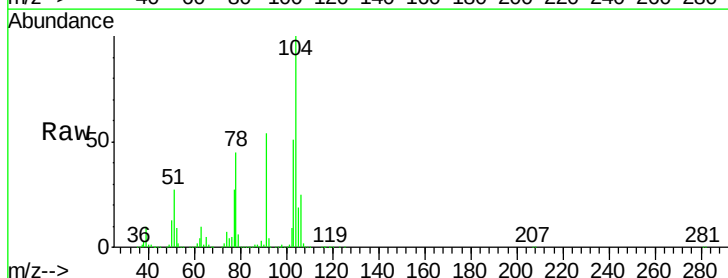
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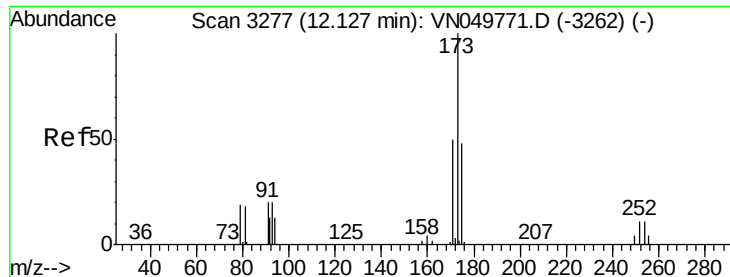
MMDadoda
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#70
Styrene
Concen: 52.30 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion:104 Resp: 2480506
Ion Ratio Lower Upper
104 100
78 48.5 39.2 58.8
103 54.9 44.6 67.0





#71

Bromoform

Concen: 46.68 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion:173 Resp: 596676

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.8

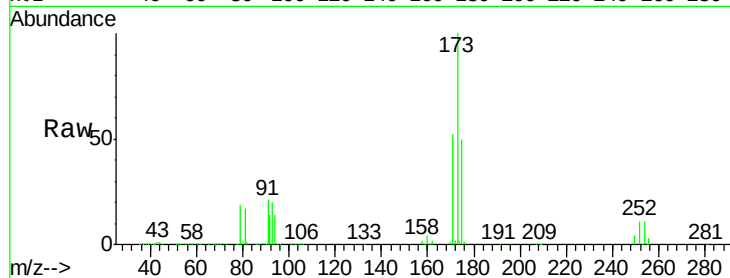
254 0.1 0.2 0.2#

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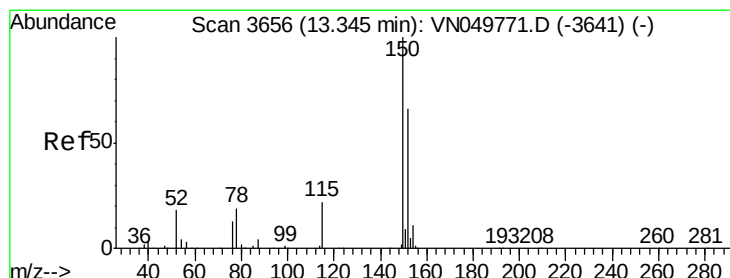
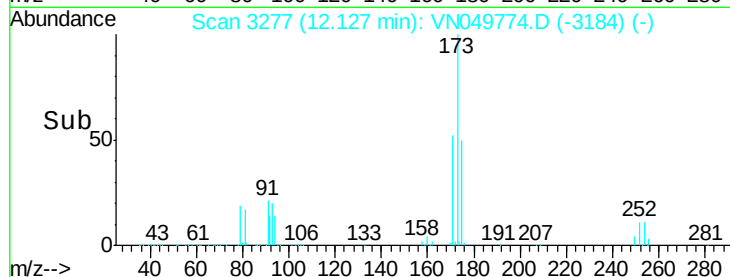
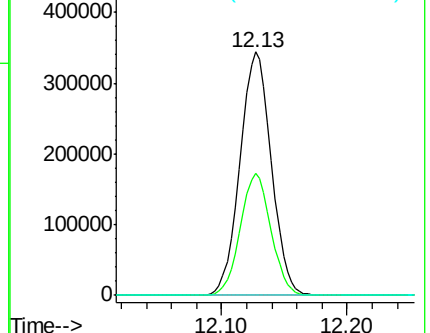
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN049774.D

Acq: 12 Jul 2018 15:06

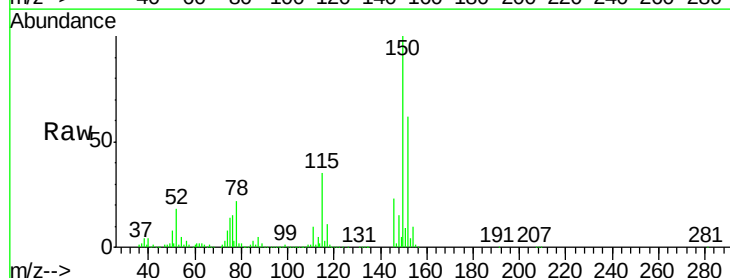
Tgt Ion:152 Resp: 1020963

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

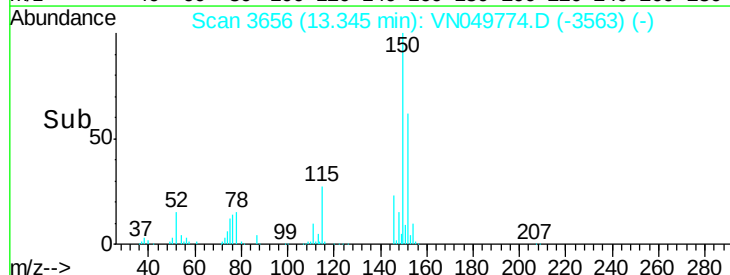
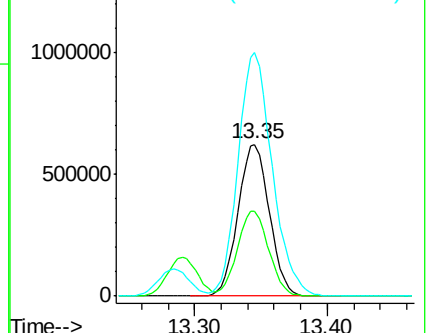
150 175.2 0.0 347.6

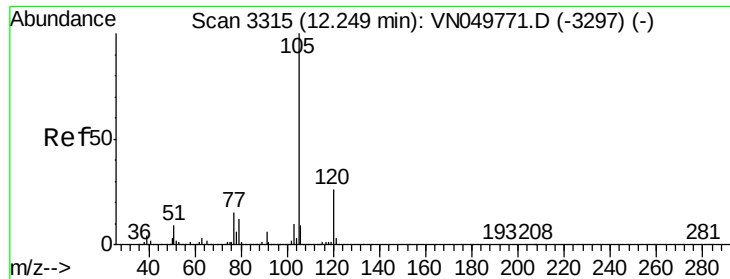


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.55 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN071218

Tot Ion:105 Resp: 4034126

Ion Ratio Lower Upper

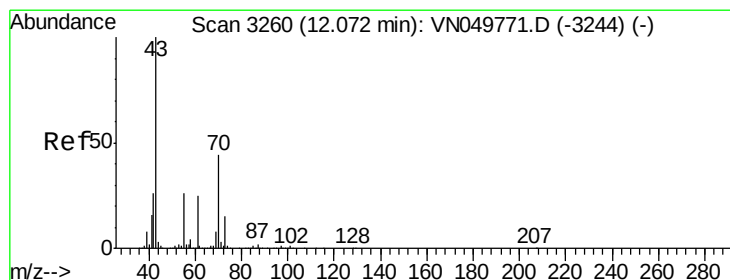
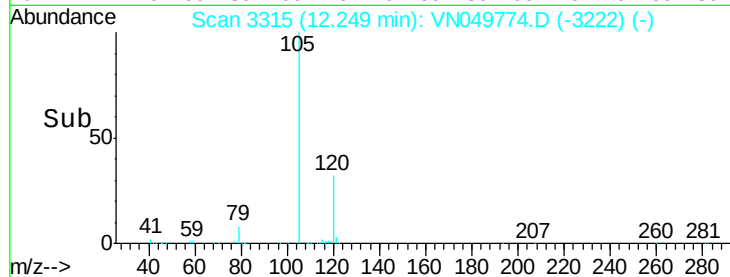
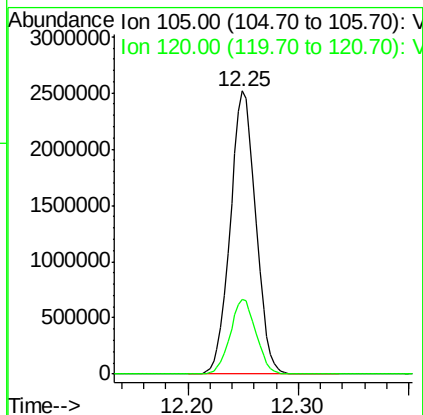
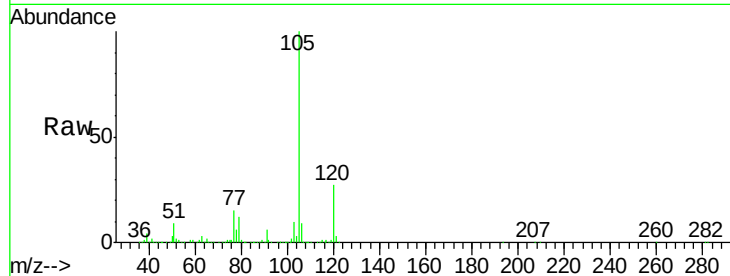
105 100

120 26.7 13.3 39.8

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#74

N-ethyl acetate

Concen: 48.06 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Tgt Ion: 43 Resp: 1060915

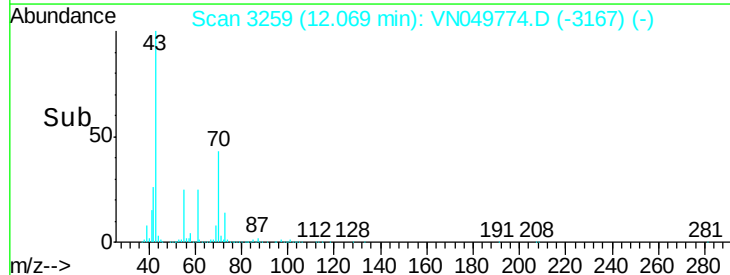
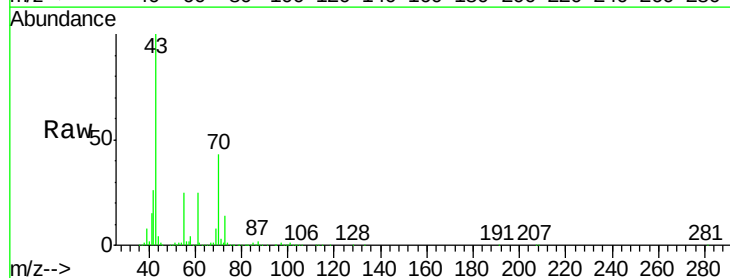
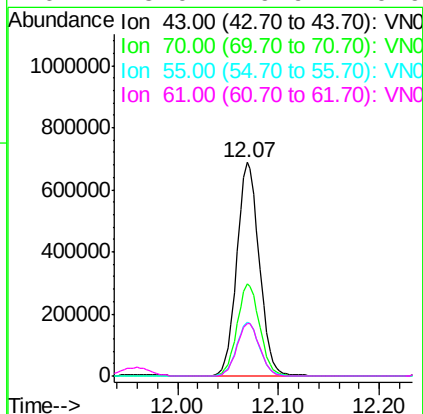
Ion Ratio Lower Upper

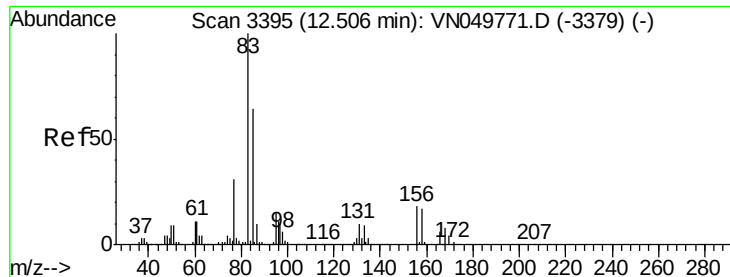
43 100

70 43.4 34.8 52.2

55 25.5 20.9 31.3

61 25.0 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.05 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion: 83 Resp: 922287
Ion Ratio Lower Upper

83 100

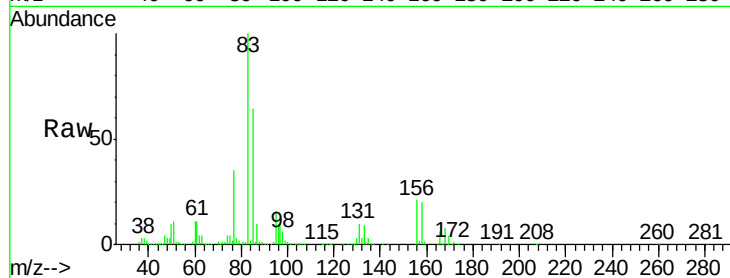
131 10.4 5.2 15.6

85 64.7 32.5 97.4

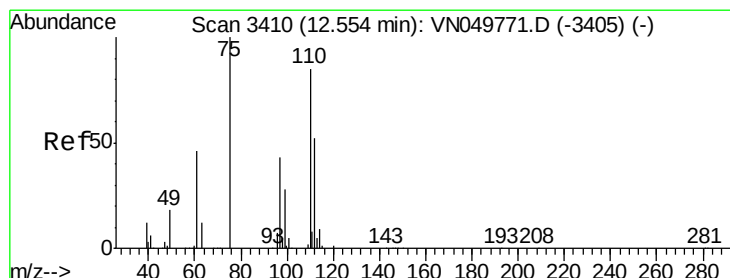
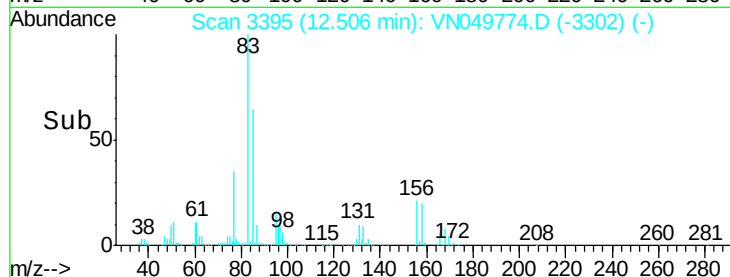
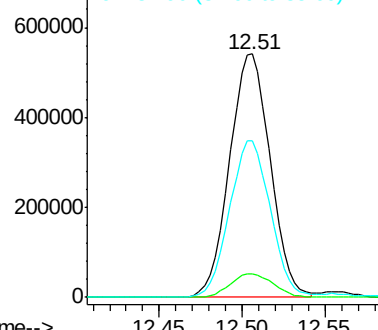
Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 42.13 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

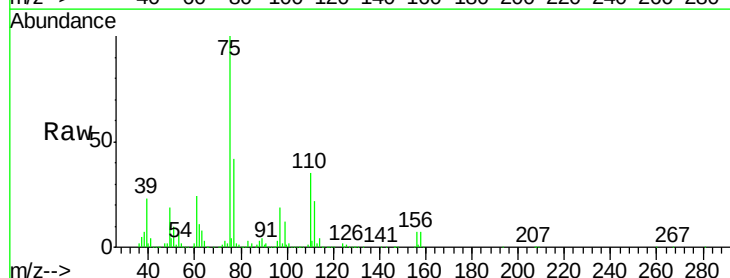
Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

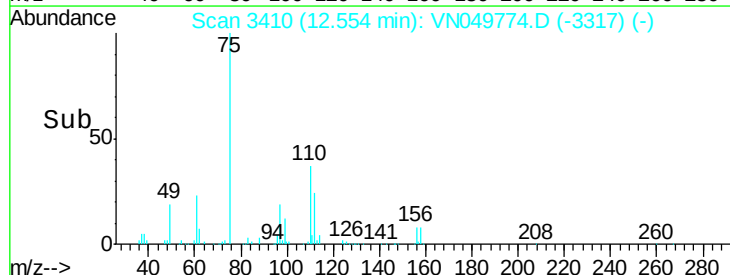
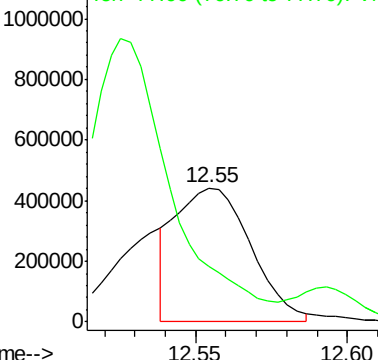
Tgt Ion: 75 Resp: 764087
Ion Ratio Lower Upper

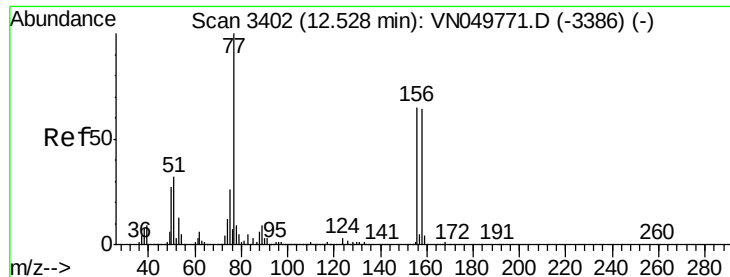
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 45.23 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071218

Tot Ion:156 Resp: 1018072

Ion Ratio Lower Upper

156 100

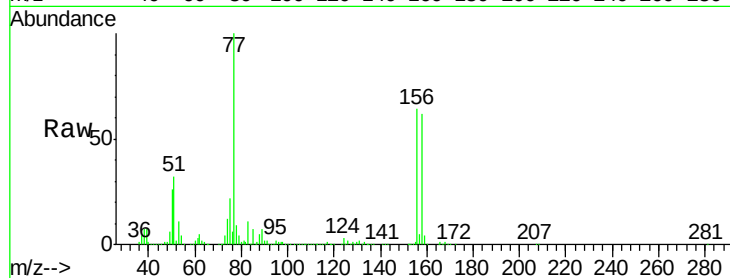
77 180.4 90.2 270.6

158 97.2 49.1 147.3

Manual Integrations
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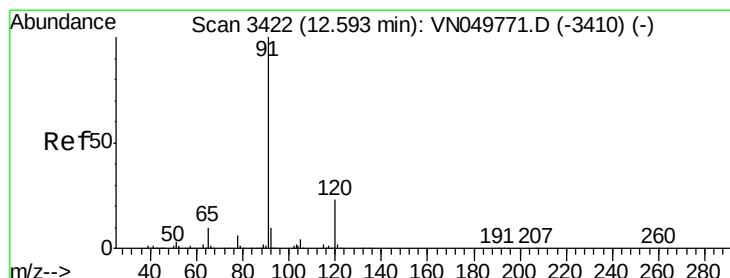
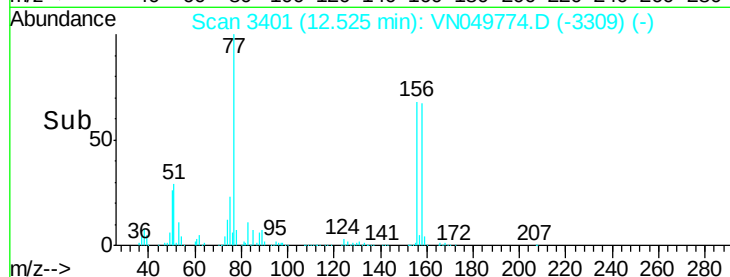
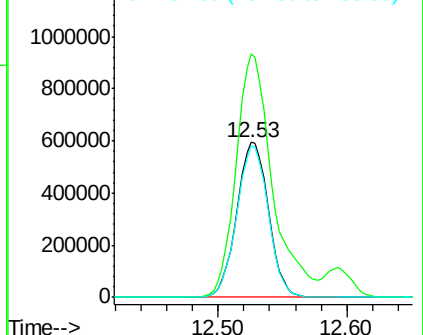
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.61 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049774.D

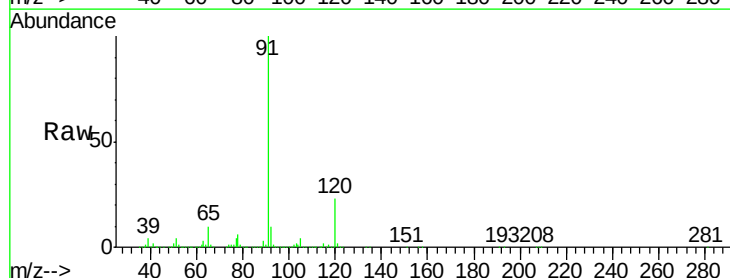
Acq: 12 Jul 2018 15:06

Tgt Ion: 91 Resp: 4650525

Ion Ratio Lower Upper

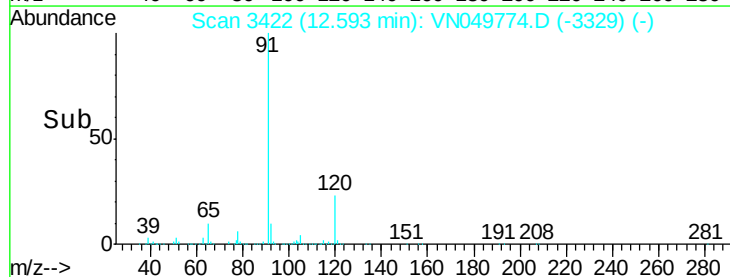
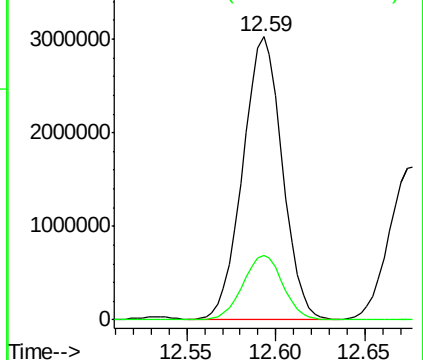
91 100

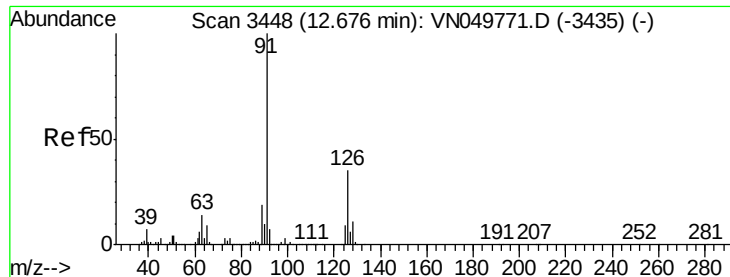
120 23.2 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.47 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

ClientSampled :

ICVVN071218

Tot Ion: 91 Resp: 2720672

Ion Ratio Lower Upper

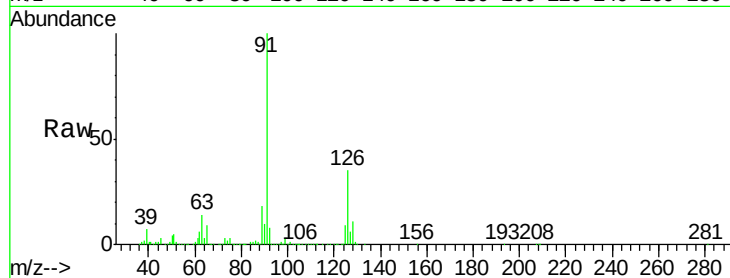
91 100

126 35.0 17.5 52.5

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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) (-)

2500000

2000000

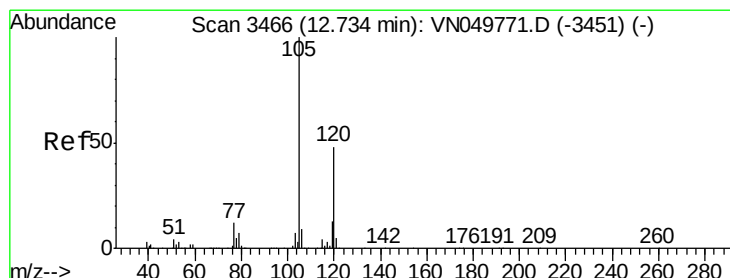
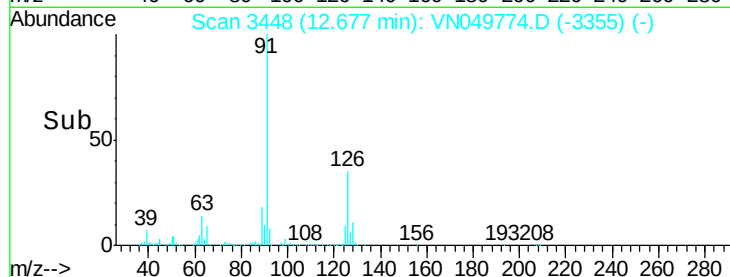
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 48.36 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049774.D

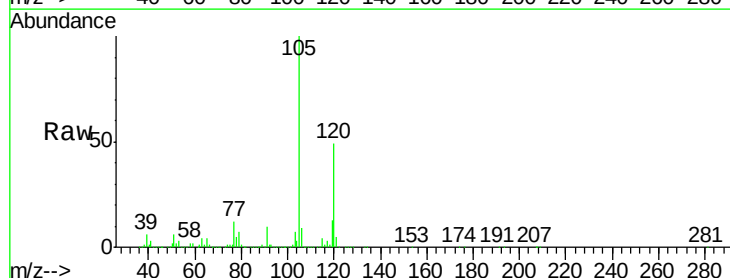
Acq: 12 Jul 2018 15:06

Tgt Ion: 105 Resp: 3260754

Ion Ratio Lower Upper

105 100

120 48.8 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) (-)

2000000

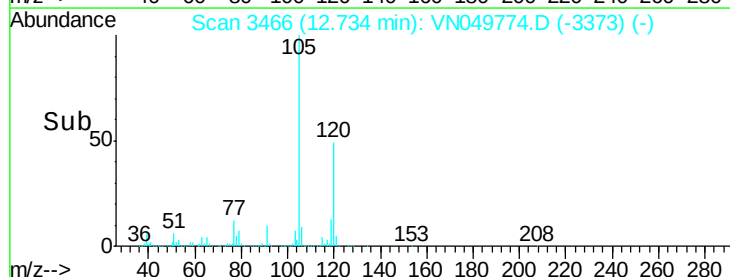
1500000

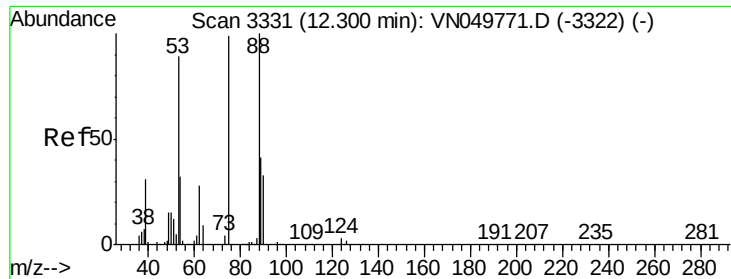
1000000

500000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 47.39 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

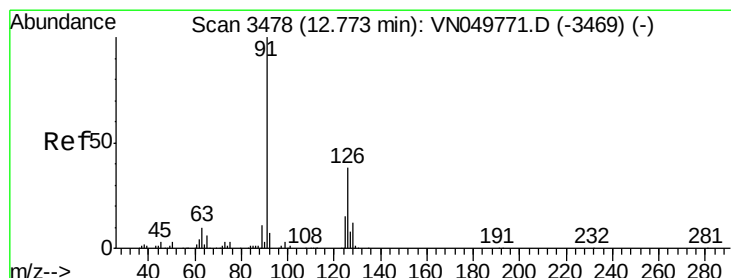
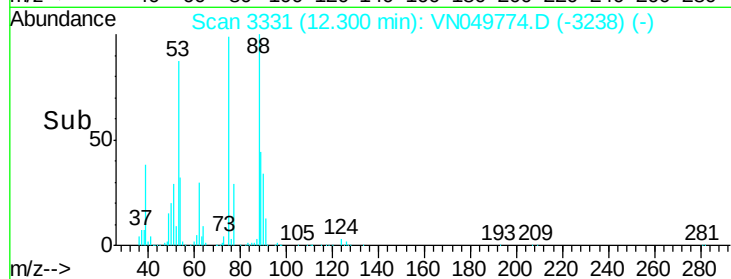
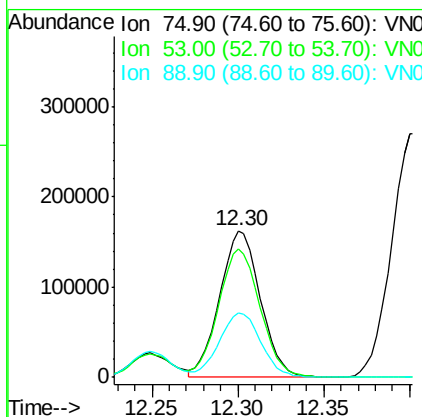
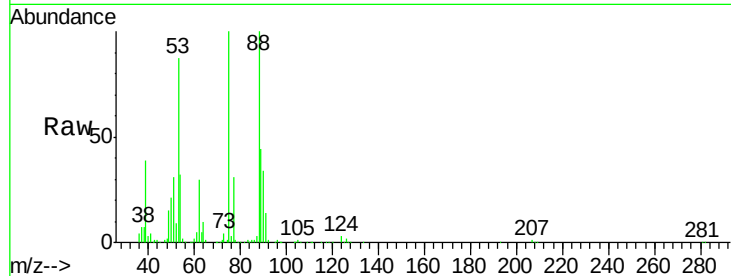
ClientSampleId :

ICVVN071218

Tot Ion:	75	Resp:	266152
Ion	Ratio	Lower	Upper
75	100		
53	90.2	73.9	110.9
89	45.6	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.24 ug/l

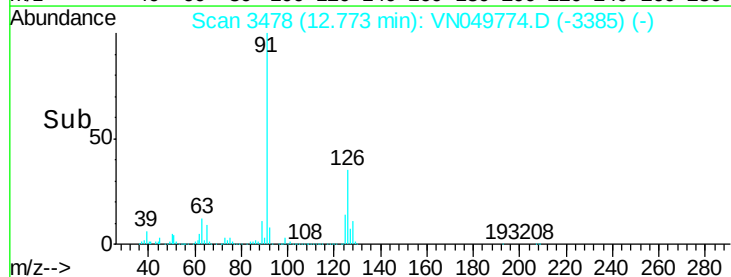
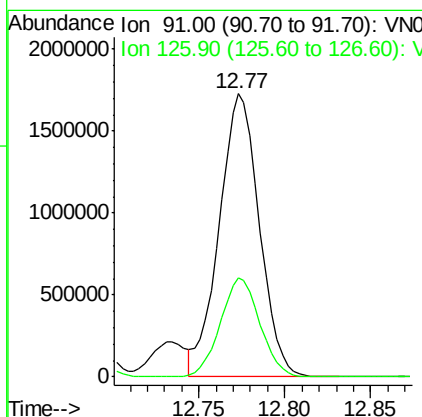
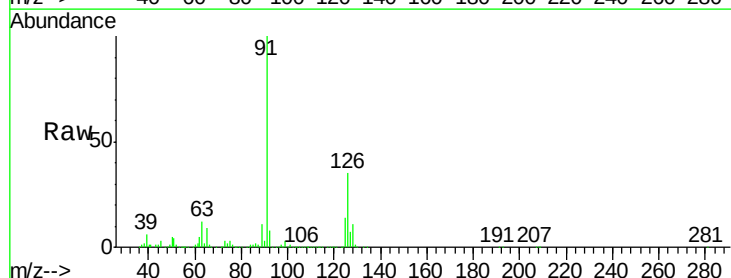
RT: 12.77 min Scan# 3478

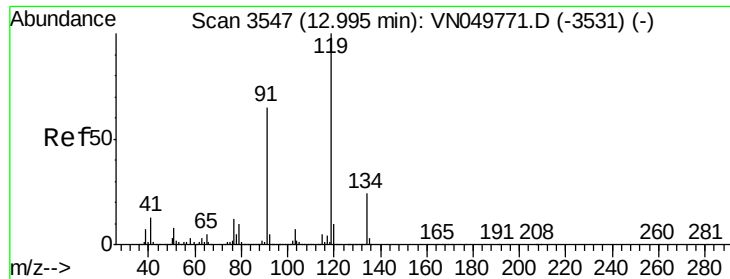
Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Tgt Ion:	91	Resp:	2801210
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6





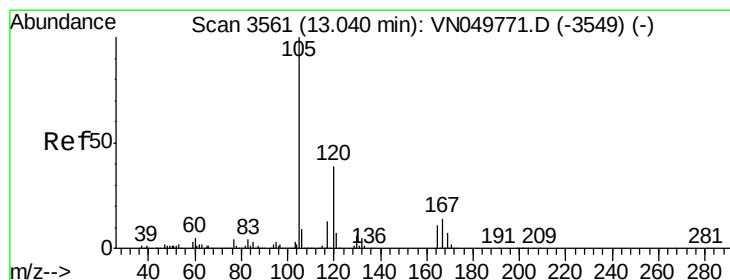
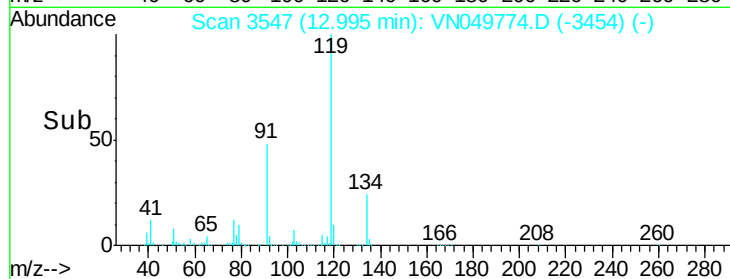
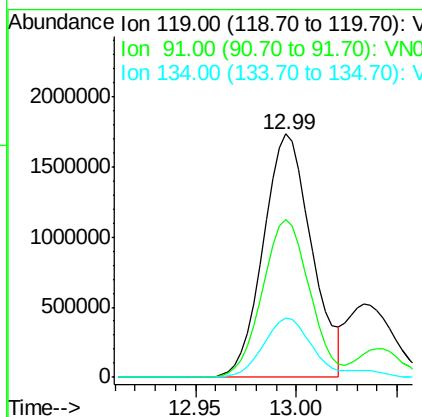
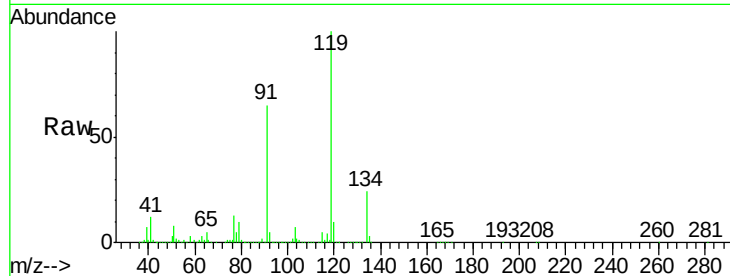
#83
 tert-Butylbenzene
 Concen: 47.88 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	32.0	96.2
134	26.1	12.8	38.4

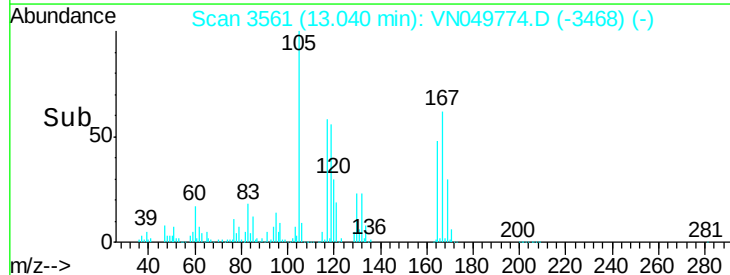
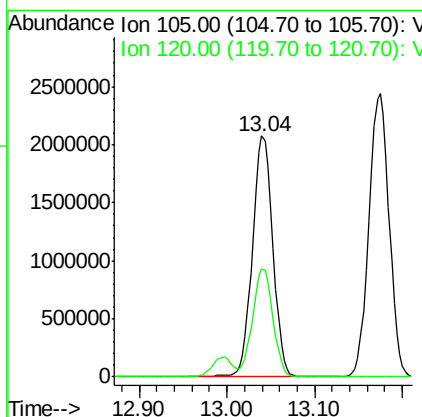
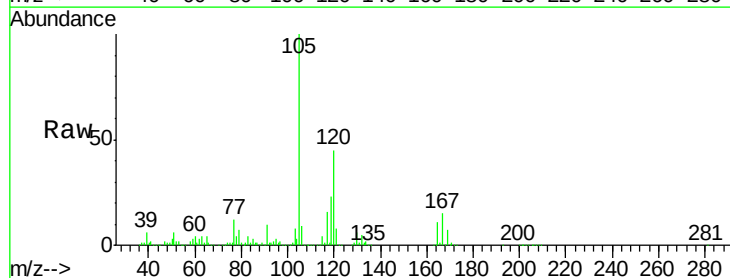
Manual Integrations
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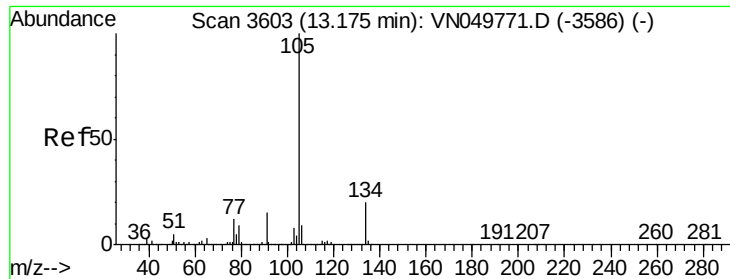
MMDadoda
 7/13/2018 1:35:14 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.61 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.1





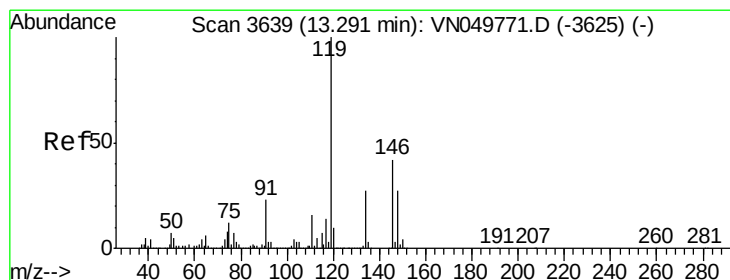
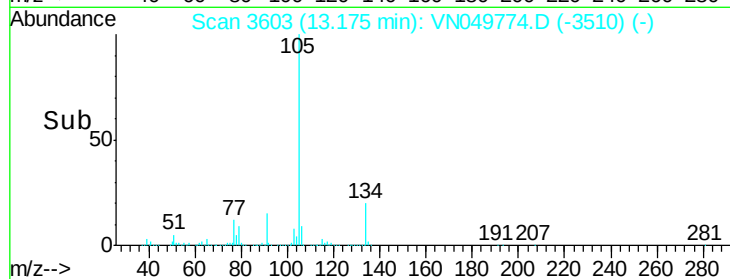
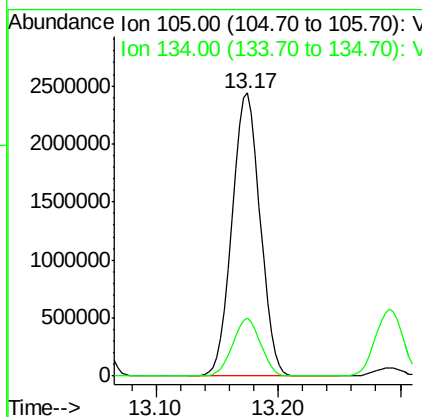
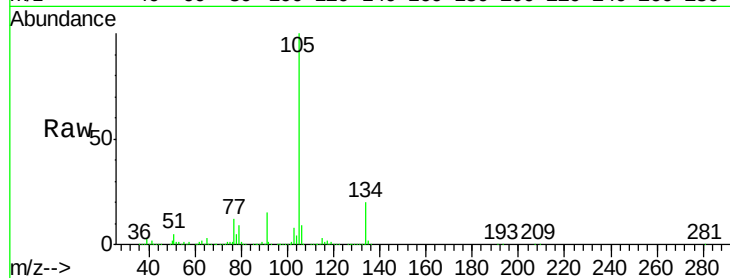
#85
 sec-Butylbenzene
 Concen: 49.40 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Tot Ion:105 Resp: 3906323
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.1 30.1

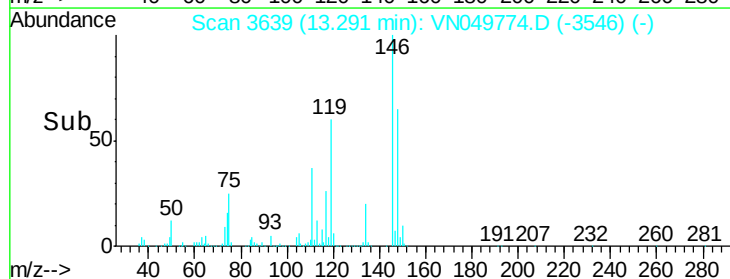
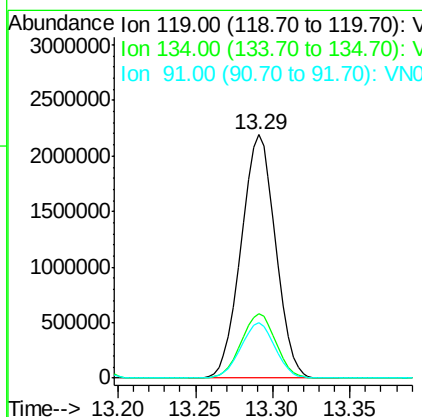
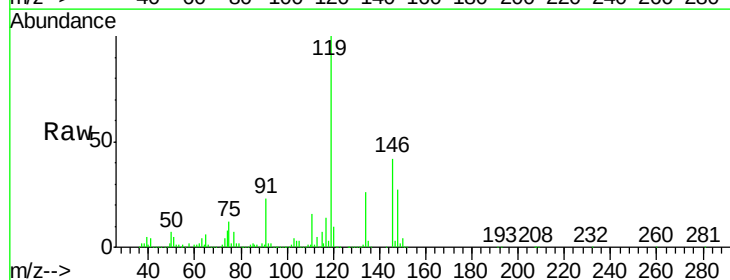
Manual Integrations
 APPROVED

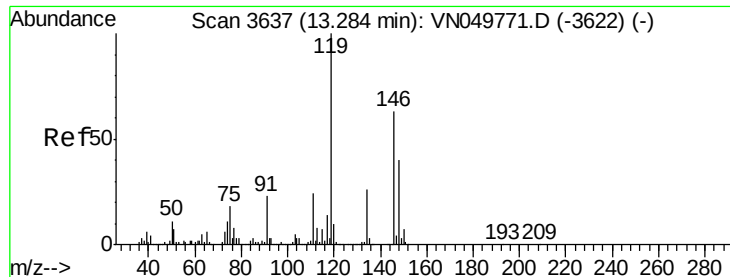
MMDadoda
 7/13/2018 1:35:14 PM



#86
 p-Isopropyltoluene
 Concen: 50.56 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion:119 Resp: 3382921
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.9
 91 22.7 11.4 34.1





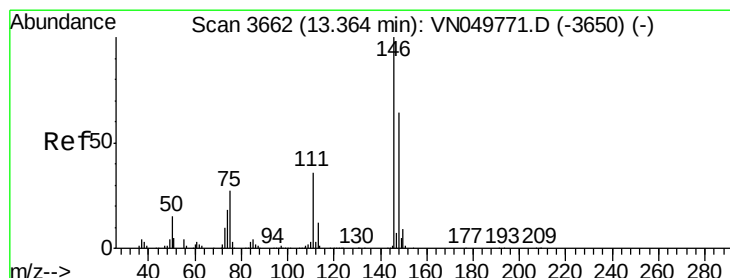
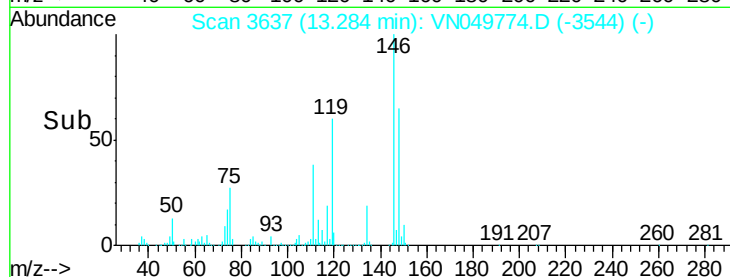
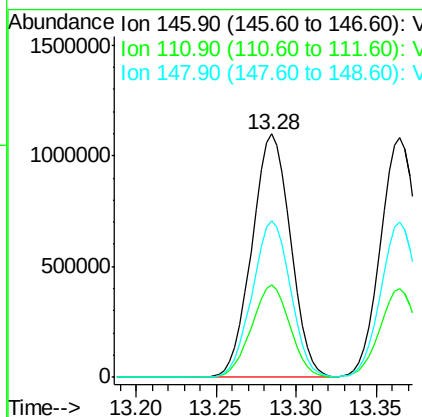
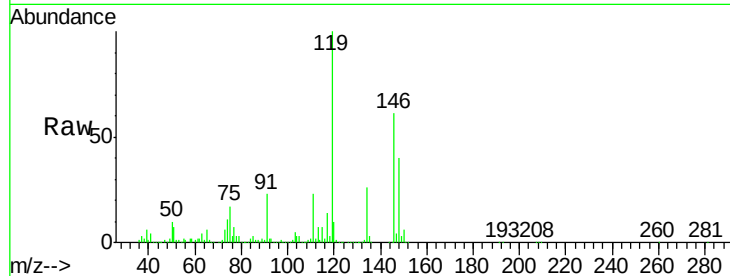
#87
 1,3-Dichlorobenzene
 Concen: 46.83 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN071218

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.0	57.0
148	64.0	32.5	97.5

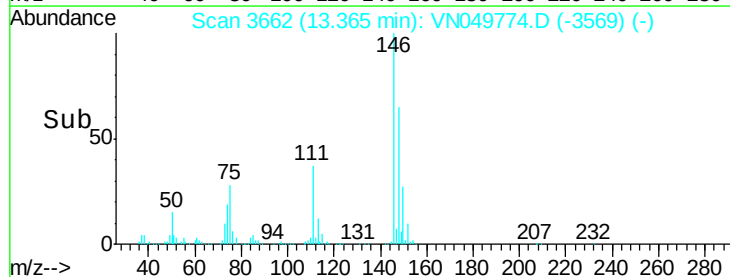
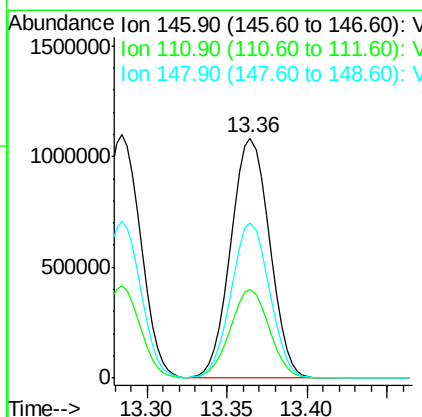
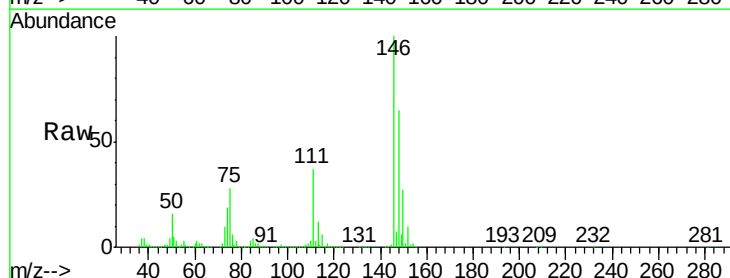
Manual Integrations
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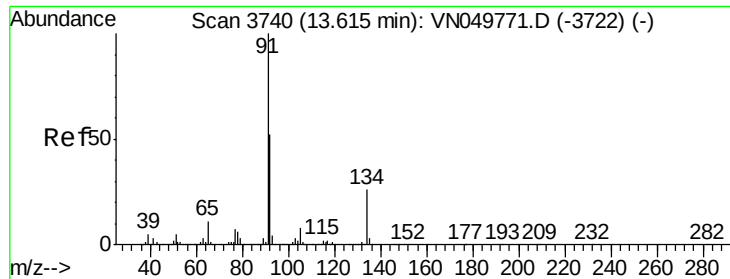
MMDadoda
 7/13/2018 1:35:14 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.25 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.5
148	64.2	32.1	96.3





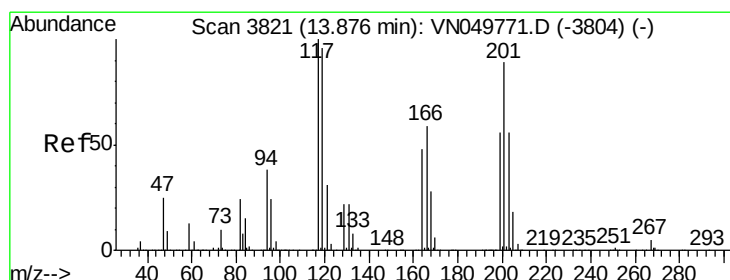
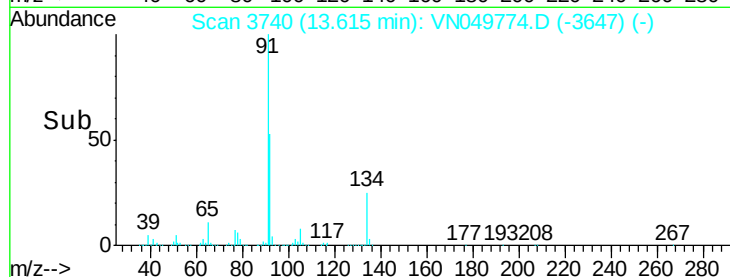
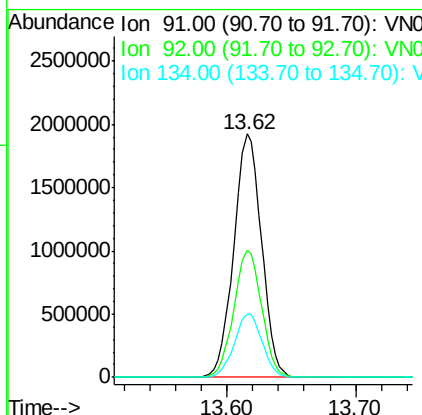
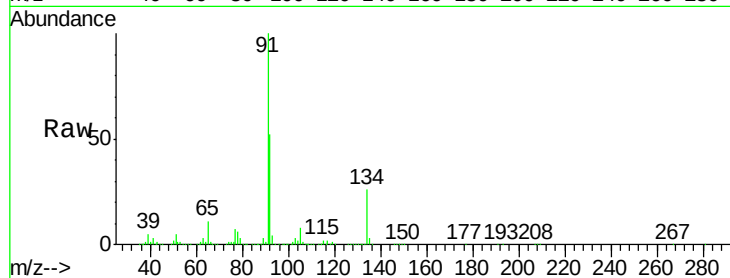
#89
n-Butylbenzene
Concen: 51.95 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071218

Tot Ion: 91 Resp: 2869644
Ion Ratio Lower Upper
91 100
92 52.2 25.8 77.3
134 26.2 13.0 38.9

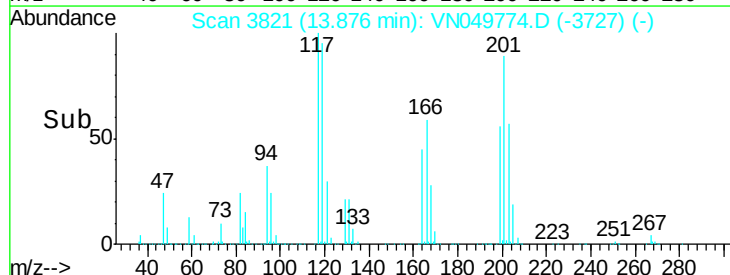
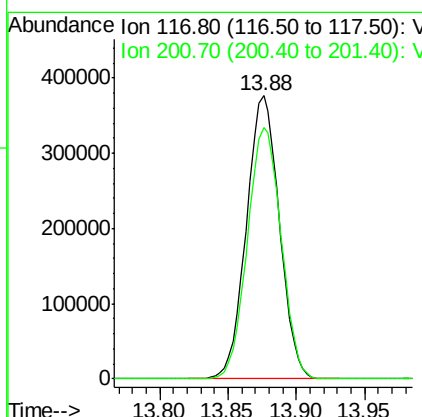
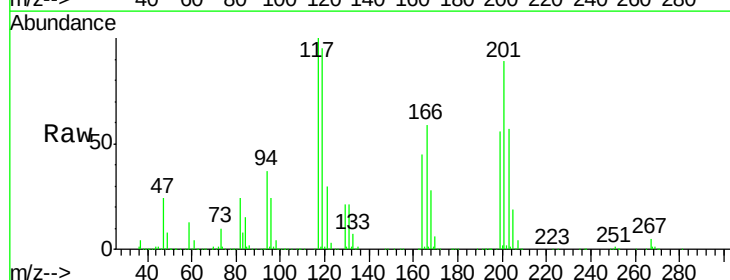
Manual Integrations
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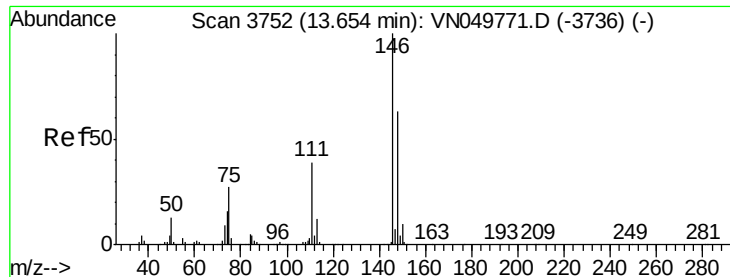
MMDadoda
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#90
Hexachloroethane
Concen: 48.71 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049774.D
Acq: 12 Jul 2018 15:06

Tgt Ion: 117 Resp: 630926
Ion Ratio Lower Upper
117 100
201 91.0 45.3 135.8





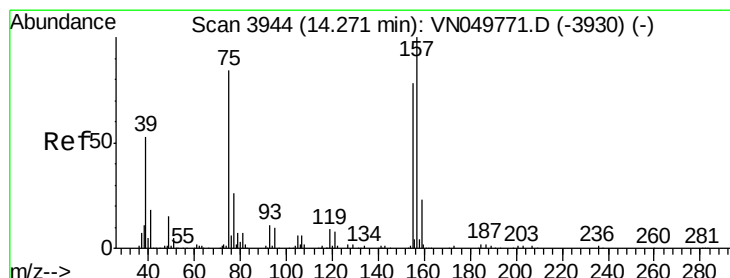
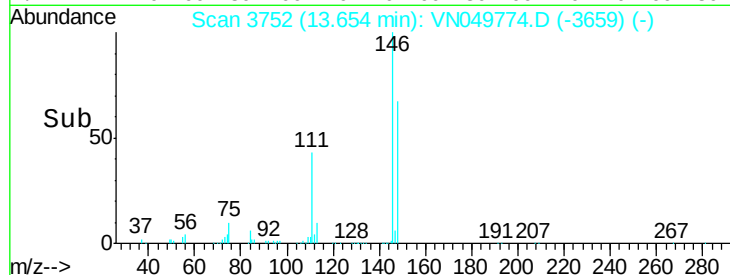
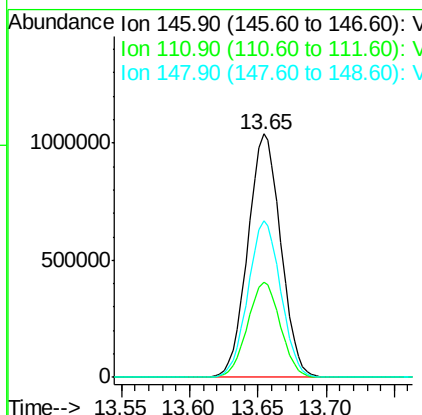
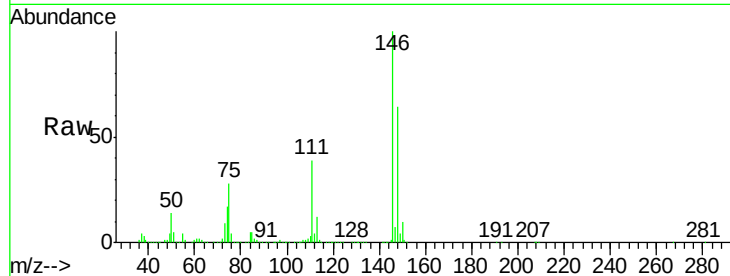
#91
 1,2-Dichlorobenzene
 Concen: 45.65 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	64.2	32.0	96.2

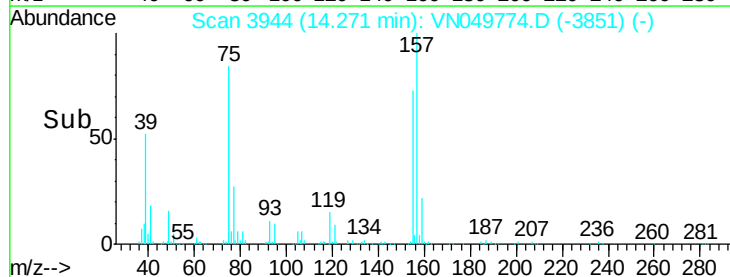
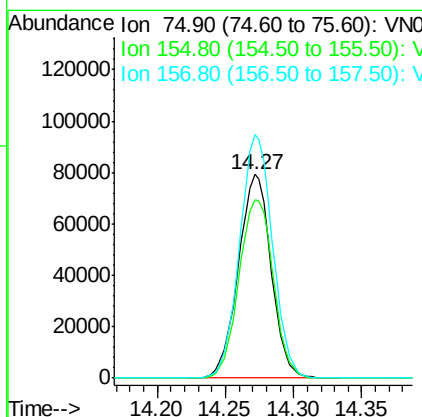
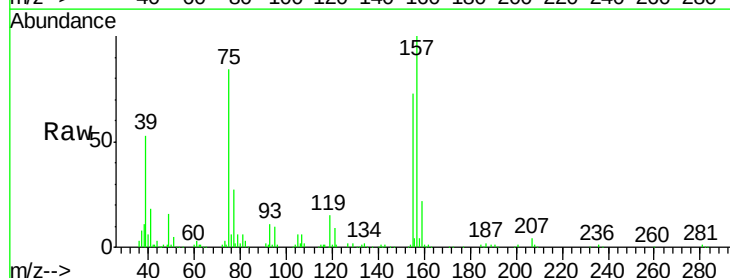
Manual Integrations
 APPROVED

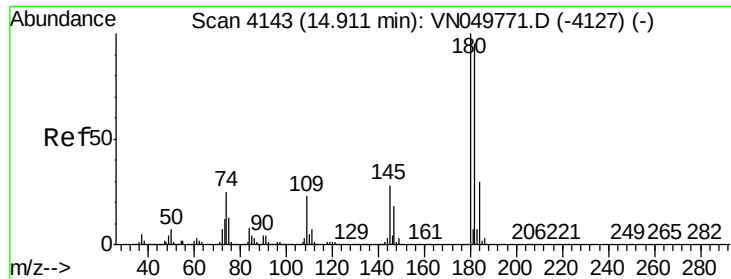
MMDadoda
 7/13/2018 1:35:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.04 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.3	45.7	137.1
157	119.9	56.9	170.7





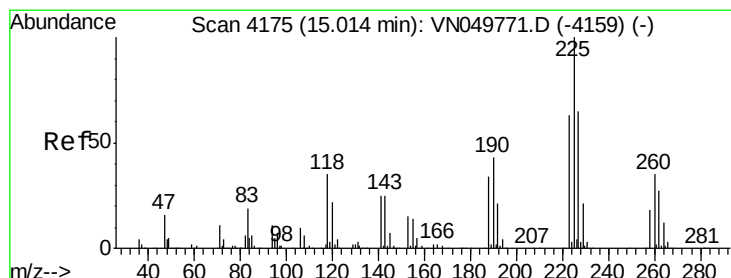
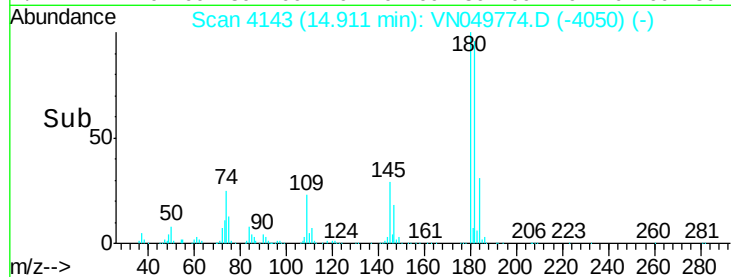
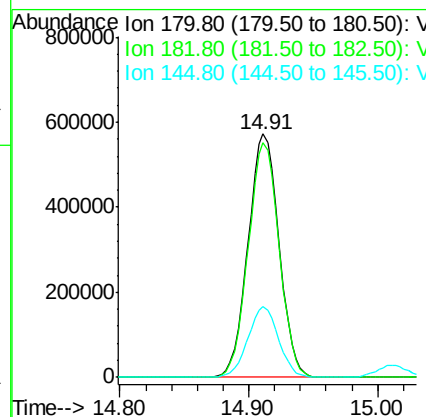
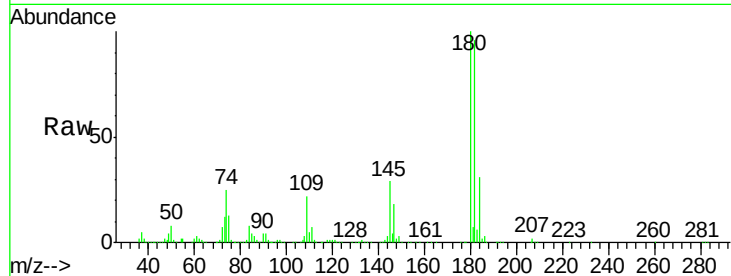
#93
 1,2,4-Trichlorobenzene
 Concen: 45.95 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071218

Tot Ion	Ratio	Resp	Lower	Upper
180	100	956300		
182	96.0	47.3	141.9	
145	28.7	14.4	43.0	

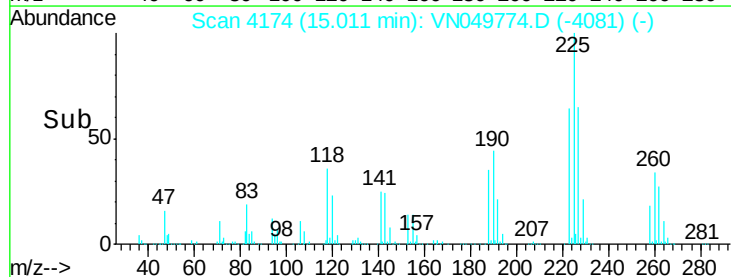
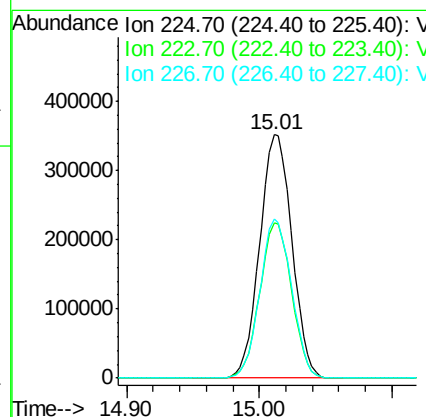
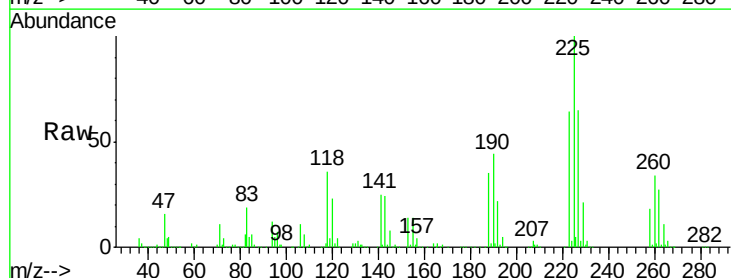
Manual Integrations
 APPROVED

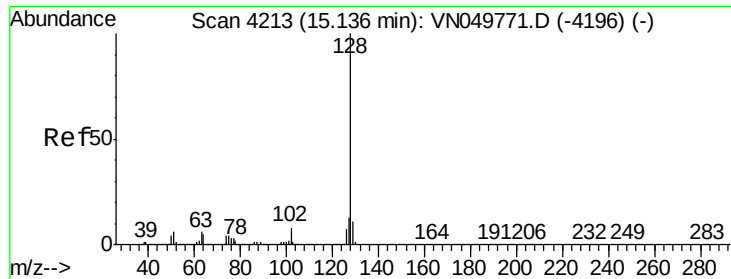
MMDadoda
 7/13/2018 1:35:14 PM



#94
 Hexachlorobutadiene
 Concen: 51.09 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049774.D
 Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	595302		
223	63.0	30.9	92.7	
227	64.1	31.8	95.4	





#95

Naphthalene

Concen: 44.22 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Instrument :

MSVOA_N

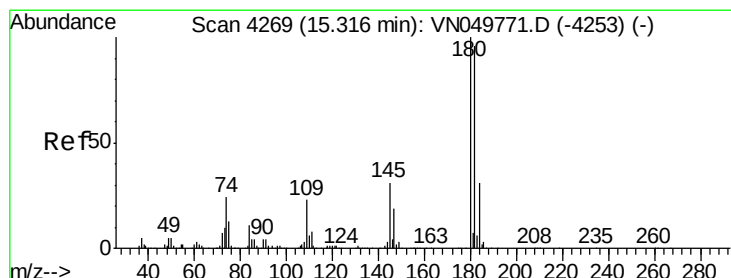
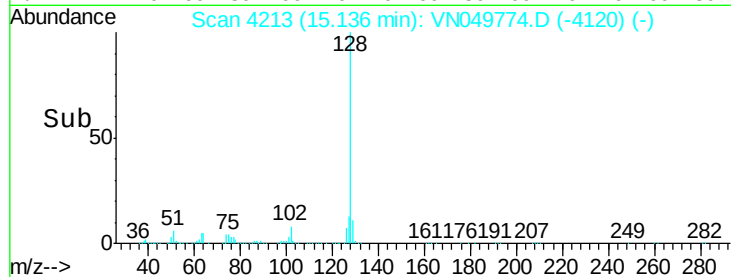
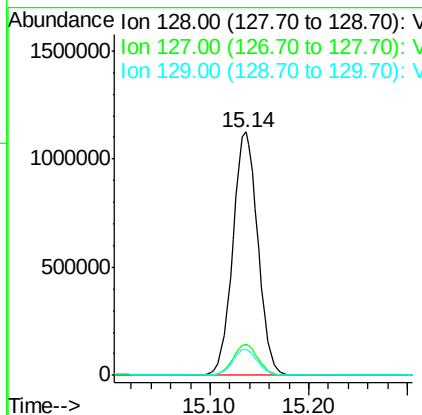
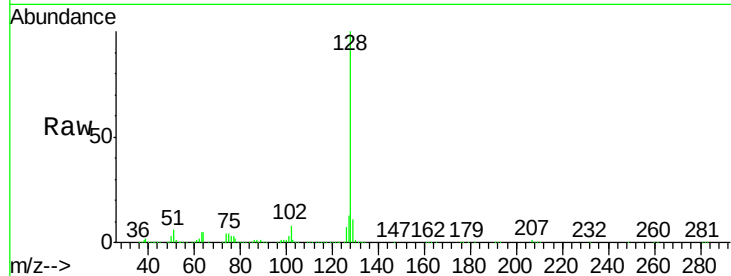
ClientSampleId :

ICVVN071218

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/13/2018 1:35:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.61 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049774.D

Acq: 12 Jul 2018 15:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.4	142.2
145	30.5	15.2	45.6

