

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071818\
 Data File : VN049869.D
 Acq On : 18 Jul 2018 13:23
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071818

Manual Integrations
 APPROVED

MMDadoda
 7/19/2018 4:28:57 PM

Quant Time: Jul 19 01:25:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 13:09:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	670837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	958086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	897699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	487758	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	436572	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
35) Dibromofluoromethane	7.59	113	389244	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	
50) Toluene-d8	10.09	98	1480727	50.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.06%	
62) 4-Bromofluorobenzene	12.40	95	526260	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	300384	49.04	ug/l	97
3) Chloromethane	2.06	50	396267	43.28	ug/l	99
4) Vinyl Chloride	2.18	62	434978	44.54	ug/l	100
5) Bromomethane	2.56	94	299946	55.13	ug/l	100
6) Chloroethane	2.70	64	273360	42.86	ug/l	99
7) Trichlorofluoromethane	3.01	101	585371	43.60	ug/l	99
8) Diethyl Ether	3.41	74	219821	46.93	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	371178	44.84	ug/l	100
10) Methyl Iodide	3.95	142	482598	43.45	ug/l	99
11) Tert butyl alcohol	4.80	59	153172	233.19	ug/l	100
12) 1,1-Dichloroethene	3.73	96	334707	46.02	ug/l	98
13) Acrolein	3.61	56	96910	228.96	ug/l	99
14) Allyl chloride	4.32	41	553473	48.27	ug/l	99
15) Acrylonitrile	4.99	53	687796	238.09	ug/l	99
16) Acetone	3.82	43	560858	234.94	ug/l	99
17) Carbon Disulfide	4.05	76	975194	44.81	ug/l	100
18) Methyl Acetate	4.33	43	354420	47.20	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	996717	49.81	ug/l	98
20) Methylene Chloride	4.55	84	392103	43.19	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	367212	47.55	ug/l	99
22) Diisopropyl ether	5.95	45	1183991	50.61	ug/l	98
23) Vinyl Acetate	5.90	43	4150879	252.86	ug/l	100
24) 1,1-Dichloroethane	5.85	63	682515	45.44	ug/l	100
25) 2-Butanone	6.84	43	834484	244.59	ug/l	100
26) 2,2-Dichloropropane	6.82	77	586945	50.22	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	419244	49.47	ug/l	99
28) Bromochloromethane	7.19	49	325172	47.94	ug/l	98
29) Tetrahydrofuran	7.21	42	524380	243.98	ug/l	100
30) Chloroform	7.37	83	697410	45.23	ug/l	99
31) Cyclohexane	7.65	56	597901	48.91	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	608784	45.68	ug/l	100
36) 1,1-Dichloropropene	7.79	75	529147	49.67	ug/l	99
37) Ethyl Acetate	6.93	43	346782	47.41	ug/l	99
38) Carbon Tetrachloride	7.77	117	537261	47.08	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	586673	53.31	ug/l	97
40) Benzene	8.04	78	1586415	48.86	ug/l	99
41) Methacrylonitrile	7.17	41	187387	51.10	ug/l	95
42) 1,2-Dichloroethane	8.12	62	510987	47.52	ug/l	99
43) Isopropyl Acetate	8.17	43	627406	49.09	ug/l	96
44) Trichloroethene	8.83	130	416175	48.88	ug/l	99
45) 1,2-Dichloropropane	9.12	63	417204	47.63	ug/l	99
46) Dibromomethane	9.21	93	256114	47.15	ug/l	99
47) Bromodichloromethane	9.40	83	541819	48.23	ug/l	96
48) Methyl methacrylate	9.20	41	314593	49.07	ug/l	100
49) 1,4-Dioxane	9.20	88	94849	1042.96	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1816512	254.27	ug/l	99
52) Toluene	10.16	92	992827	51.26	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	580119	52.23	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	651946	53.10	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	372566	46.56	ug/l	99
56) Ethyl methacrylate	10.43	69	502639	46.92	ug/l	98
57) 1,3-Dichloropropane	10.71	76	623741	49.50	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1261187	295.90	ug/l	100
59) 2-Hexanone	10.75	43	1295261	269.93	ug/l	99
60) Dibromochloromethane	10.90	129	426644	48.63	ug/l	98
61) 1,2-Dibromoethane	11.01	107	375912	50.28	ug/l	100
64) Tetrachloroethene	10.63	164	384016	47.60	ug/l	100
65) Chlorobenzene	11.43	112	1115397	49.45	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	414053	47.39	ug/l	99
67) Ethyl Benzene	11.51	91	1927949	52.69	ug/l	100
68) m/p-Xylenes	11.62	106	1490603	107.62	ug/l	99
69) o-Xylene	11.95	106	704688	52.97	ug/l	99
70) Styrene	11.96	104	1194454	55.43	ug/l	99
71) Bromoform	12.13	173	308688	49.39	ug/l #	99
73) Isopropylbenzene	12.25	105	1922244	51.88	ug/l	100
74) N-amyl acetate	12.07	43	576217	51.09	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	487602	43.92	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	446149m	48.76	ug/l	
77) Bromobenzene	12.53	156	495385	48.42	ug/l	98
78) n-propylbenzene	12.59	91	2265267	53.78	ug/l	100
79) 2-Chlorotoluene	12.68	91	1315551	50.86	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1598451	53.83	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	147194	50.30	ug/l	99
82) 4-Chlorotoluene	12.77	91	1359939	52.41	ug/l	100
83) tert-Butylbenzene	12.99	119	1388646	53.25	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1639656	54.51	ug/l	100
85) sec-Butylbenzene	13.17	105	1874337	54.39	ug/l	100
86) p-Isopropyltoluene	13.29	119	1636462	55.70	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	885484	49.67	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	874931	48.96	ug/l	99
89) n-Butylbenzene	13.62	91	1387024	57.18	ug/l	99
90) Hexachloroethane	13.88	117	300855	45.63	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	855443	48.81	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77127	44.97	ug/l	97

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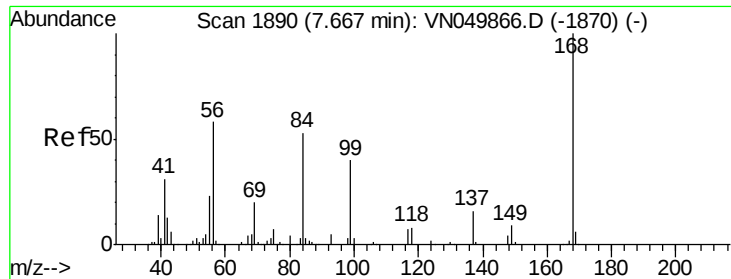
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	488615	50.52	ug/l	99
94) Hexachlorobutadiene	15.01	225	290345	50.55	ug/l	99
95) Naphthalene	15.14	128	1113961	48.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	482891	57.43	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071818

Tot Ion:168 Resp: 670837

Ion Ratio Lower Upper

168 100

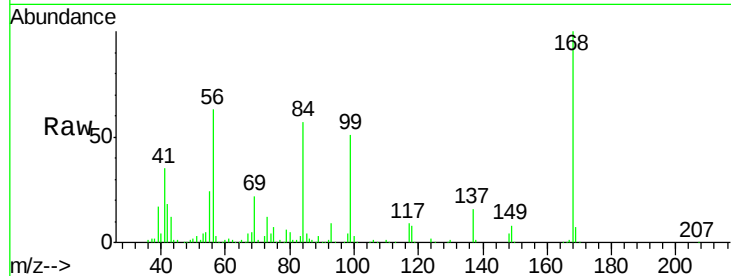
99 50.8 40.6 61.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

250000

200000

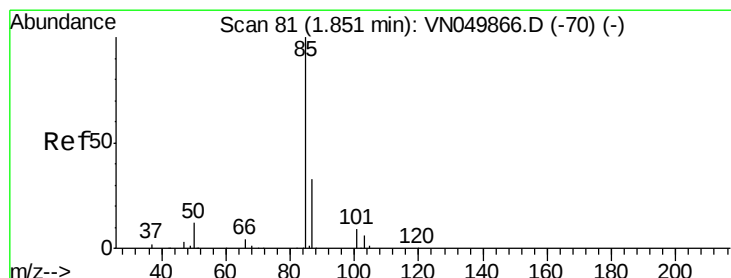
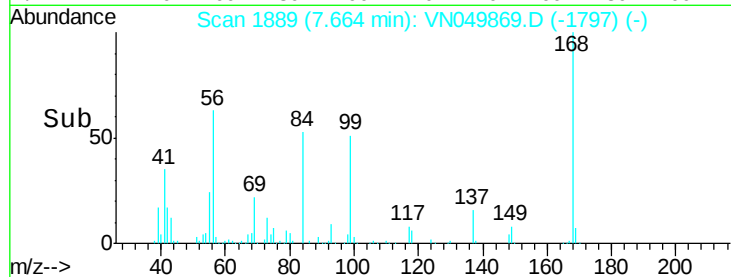
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 49.04 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049869.D

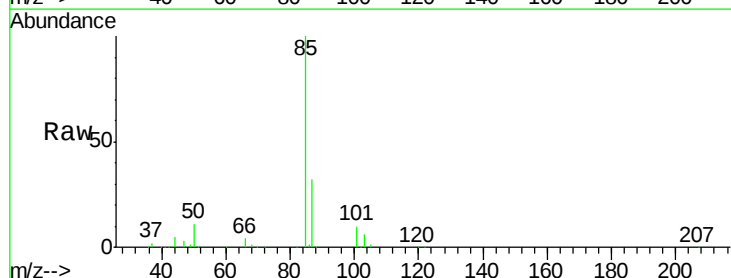
Acq: 18 Jul 2018 13:23

Tgt Ion: 85 Resp: 300384

Ion Ratio Lower Upper

85 100

87 32.4 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

200000

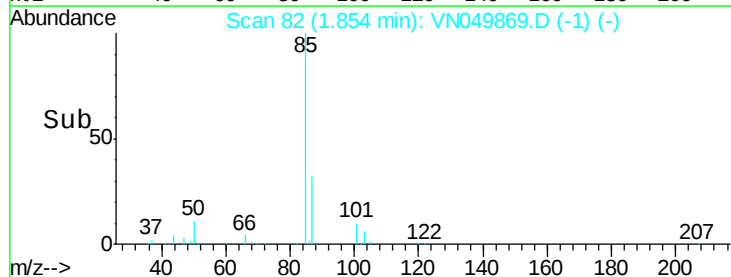
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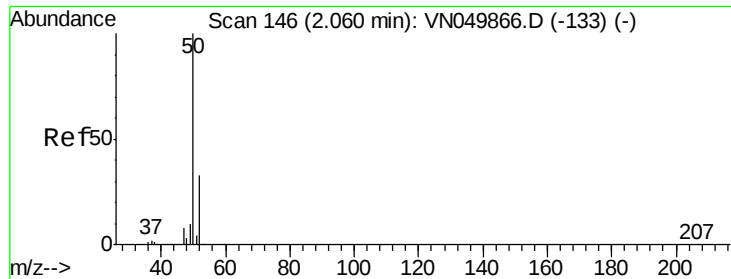
100000

50000

0

Time-->





#3

Chloromethane

Concen: 43.28 ug/l

RT: 2.06 min Scan# 146

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071818

Tot Ion: 50 Resp: 396267

Ion Ratio Lower Upper

50 100

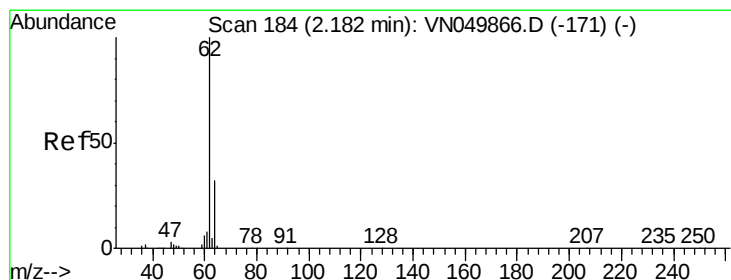
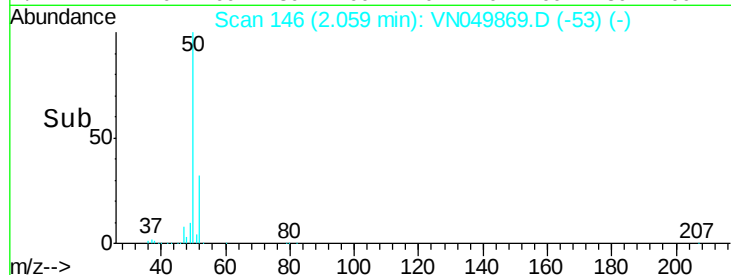
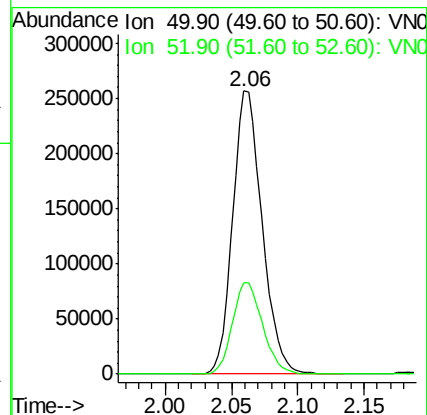
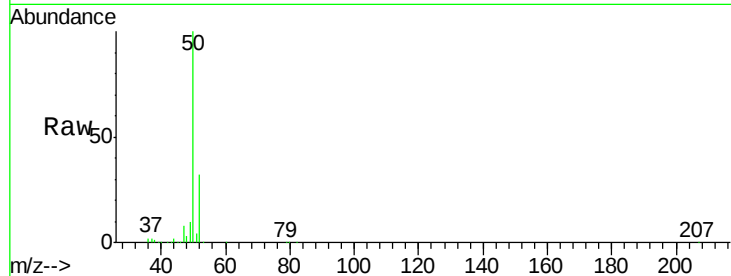
52 32.2 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.54 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049869.D

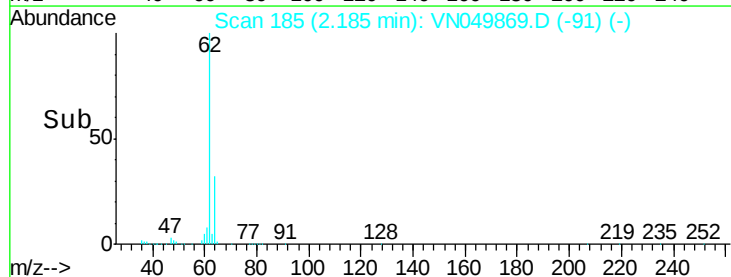
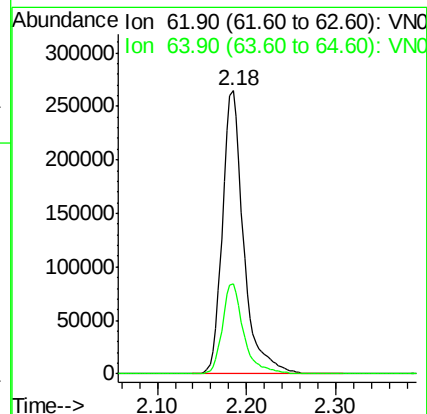
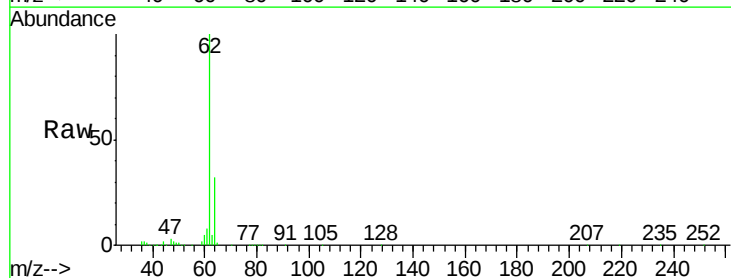
Acq: 18 Jul 2018 13:23

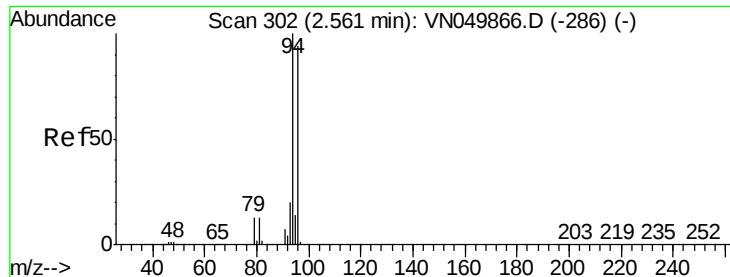
Tgt Ion: 62 Resp: 434978

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.0





#5

Bromomethane

Concen: 55.13 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

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Tot Ion: 94 Resp: 299946

Ion Ratio Lower Upper

94 100

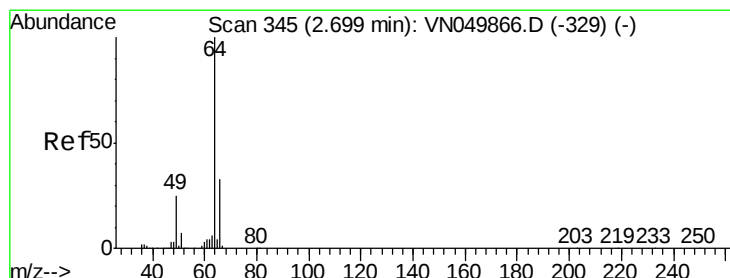
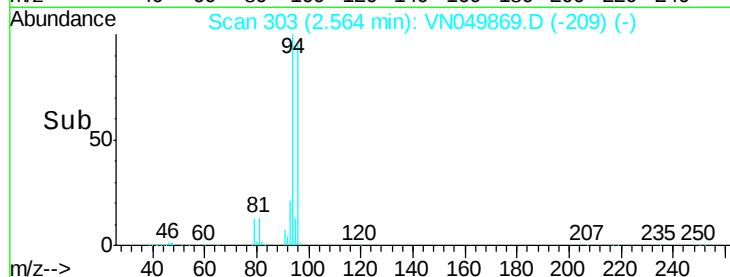
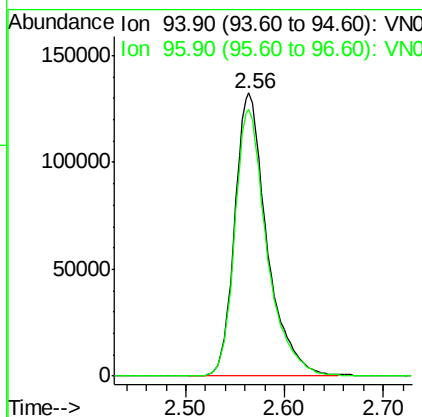
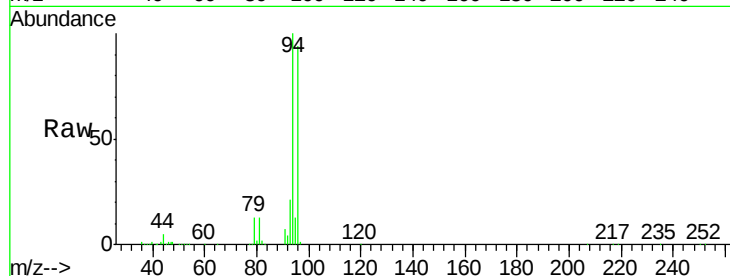
96 94.4 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 42.86 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049869.D

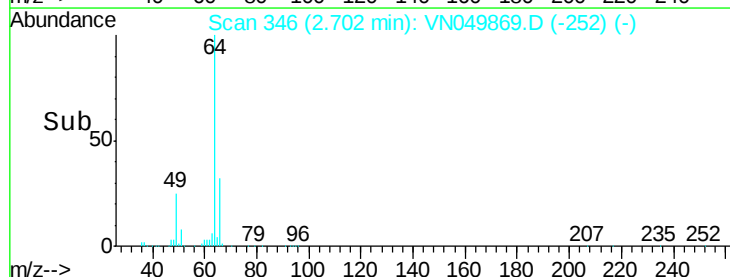
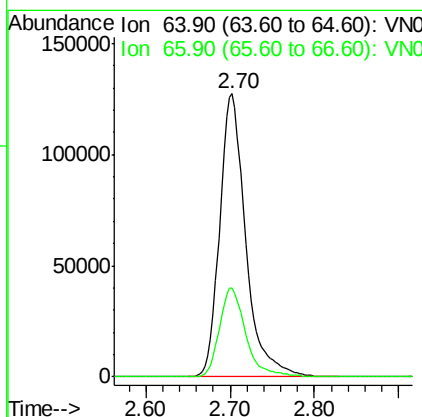
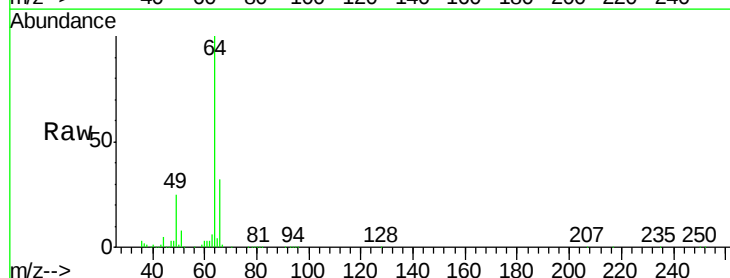
Acq: 18 Jul 2018 13:23

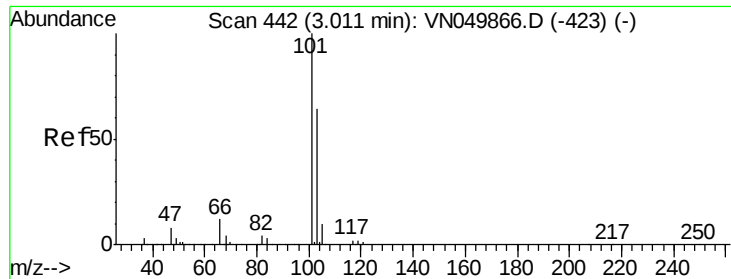
Tgt Ion: 64 Resp: 273360

Ion Ratio Lower Upper

64 100

66 31.5 25.6 38.4





#7

Trichlorofluoromethane

Concen: 43.60 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

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Tot Ion:101 Resp: 585371

Ion Ratio Lower Upper

101 100

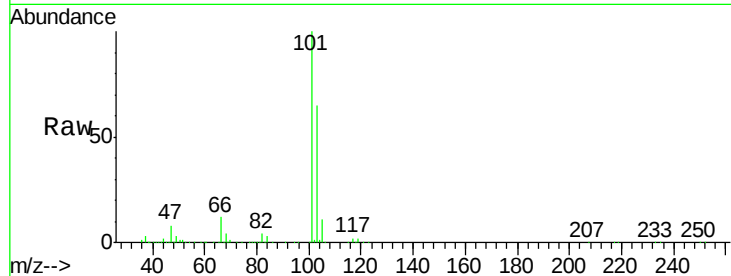
103 65.2 52.8 79.2

Manual Integrations

APPROVED

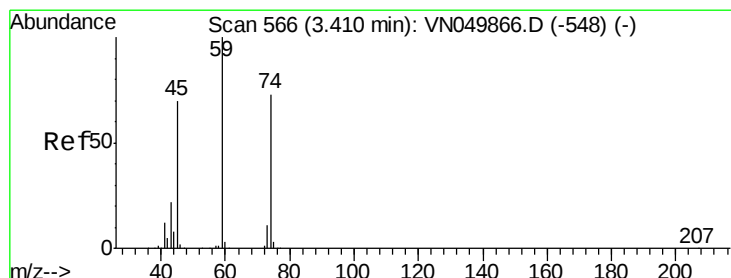
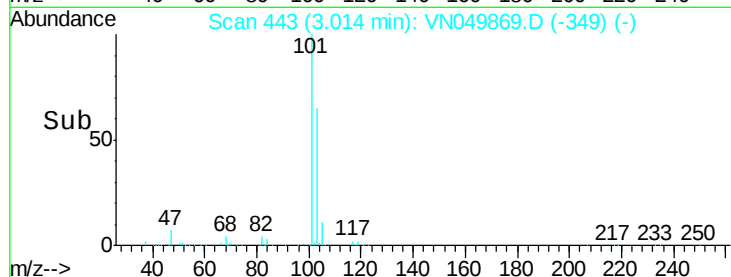
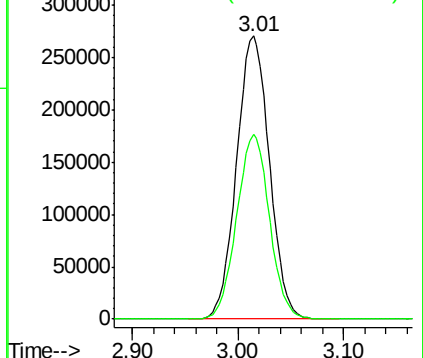
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 46.93 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN049869.D

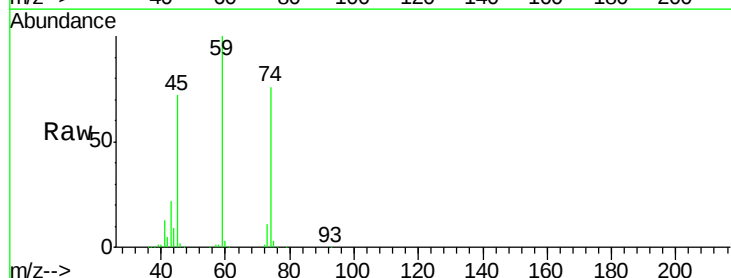
Acq: 18 Jul 2018 13:23

Tgt Ion: 74 Resp: 219821

Ion Ratio Lower Upper

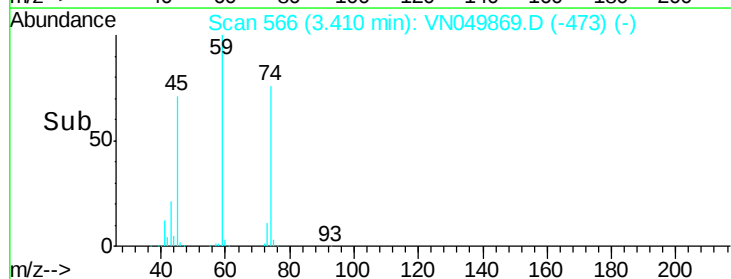
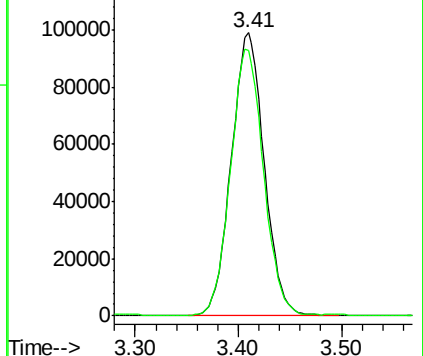
74 100

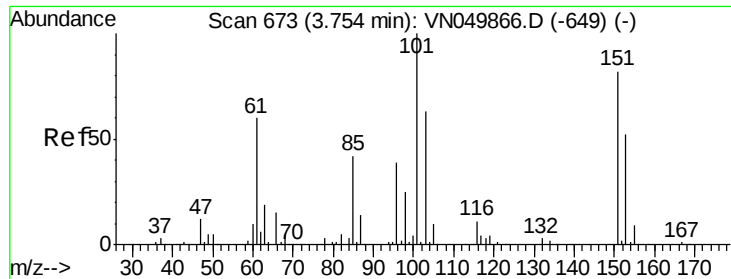
45 94.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





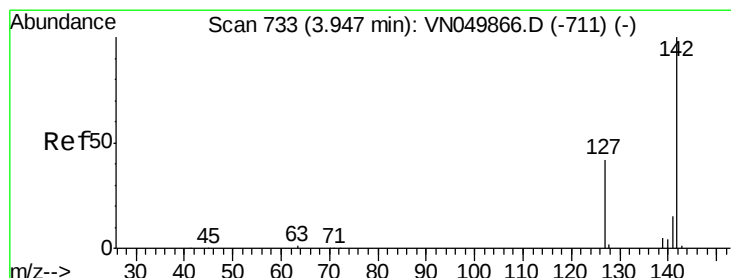
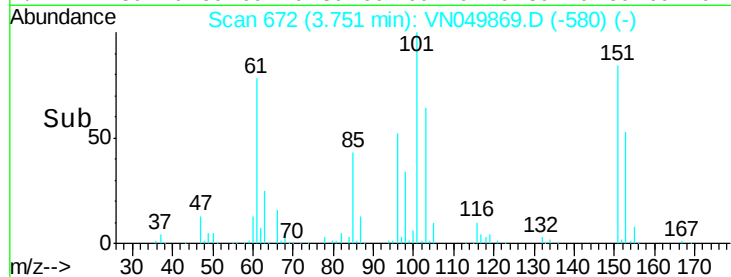
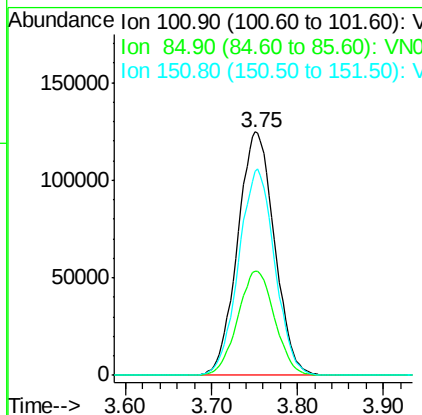
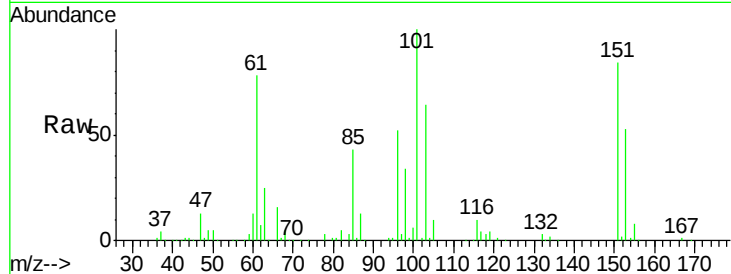
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.84 ug/l
 RT: 3.75 min Scan# 672
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

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 ClientSampleId :
 ICVVN071818

Tot Ion	Ratio	Resp	Lower	Upper
101	100	371178		
85	42.9	34.4	51.6	
151	83.3	66.2	99.4	

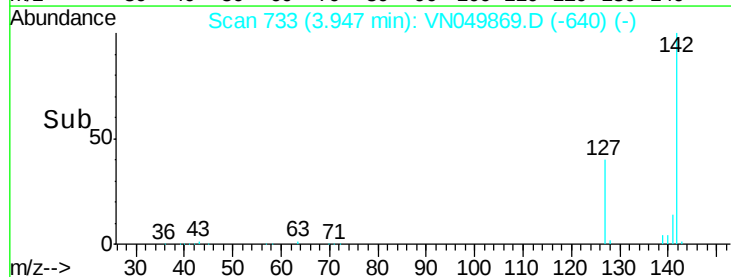
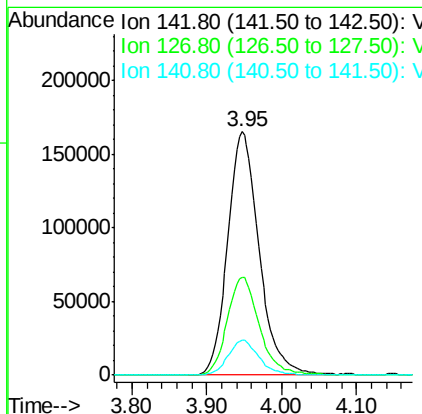
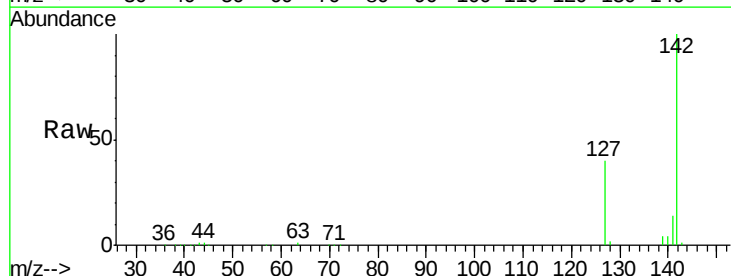
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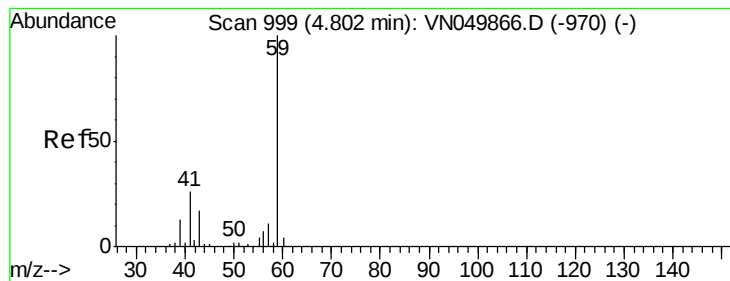
MMDadoda
 7/19/2018 4:28:57 PM



#10
 Methyl Iodide
 Concen: 43.45 ug/l
 RT: 3.95 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	482598		
127	41.3	32.5	48.7	
141	14.3	11.1	16.7	





#11

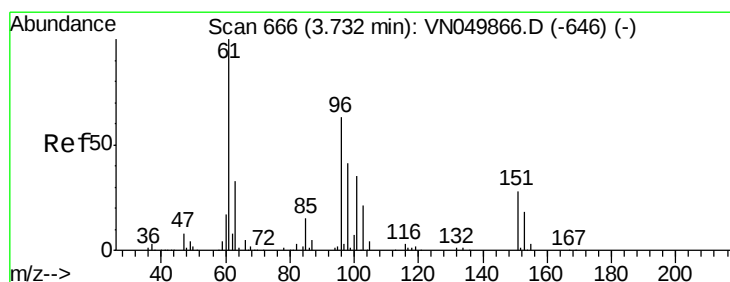
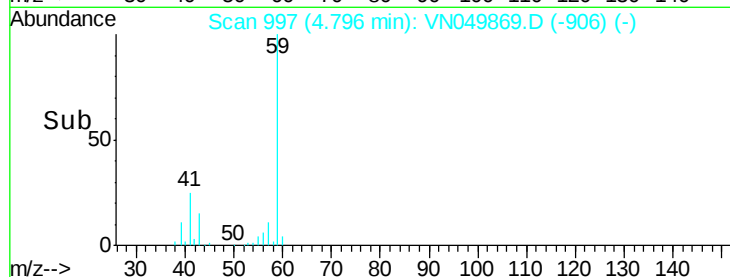
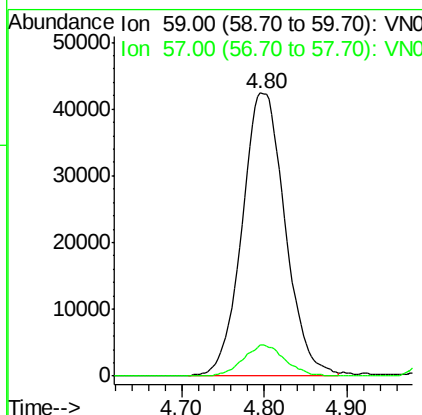
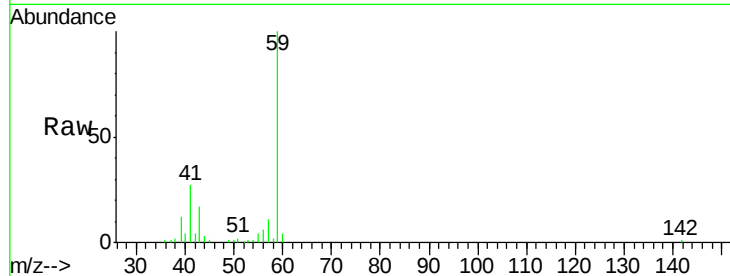
Tert butyl alcohol
 Concen: 233.19 ug/l
 RT: 4.80 min Scan# 997
 Delta R.T. -0.01 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071818

Tot Ion	59	Resp	153172
Ion Ratio	100	Lower	Upper
57	10.6	8.5	12.7

Manual Integrations
 APPROVED

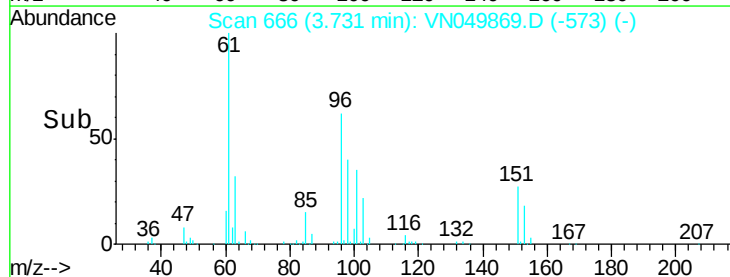
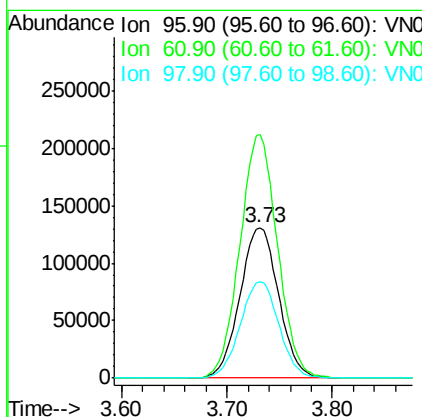
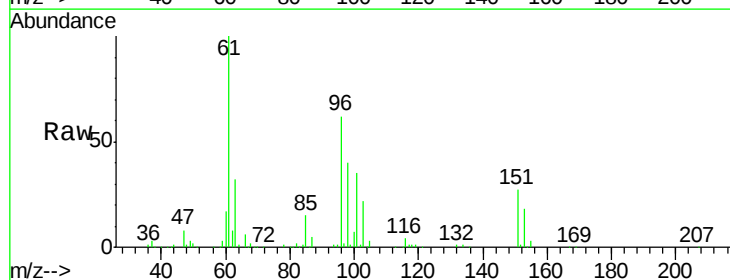
MMDadoda
 7/19/2018 4:28:57 PM

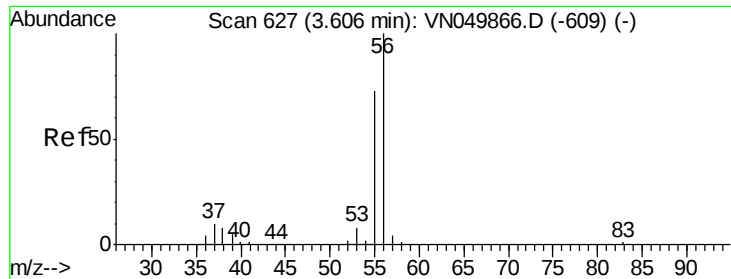


#12

1,1-Dichloroethene
 Concen: 46.02 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Tgt Ion	96	Resp	334707
Ion Ratio	100	Lower	Upper
61	161.7	126.5	189.7
98	63.9	51.0	76.6





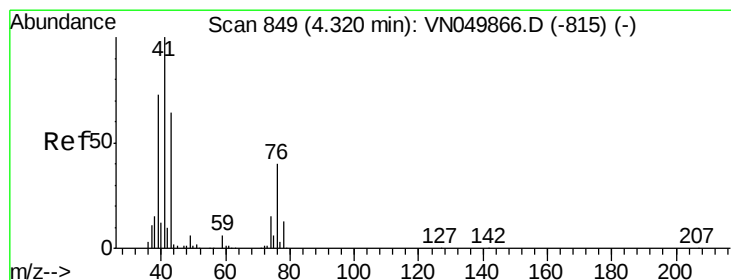
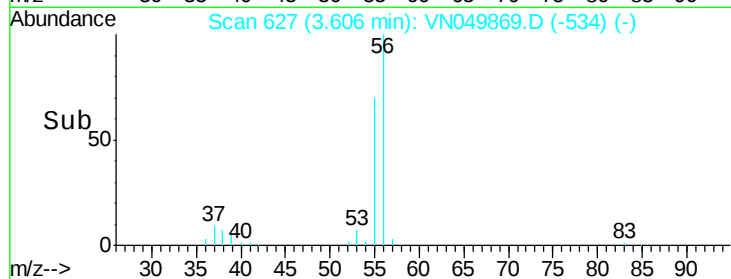
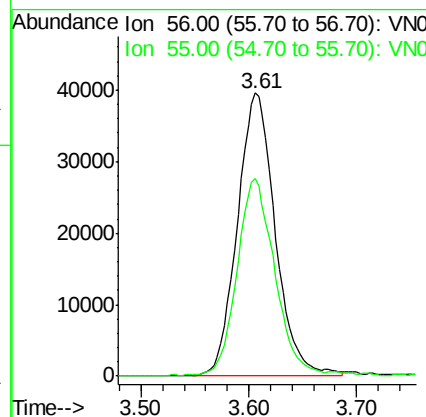
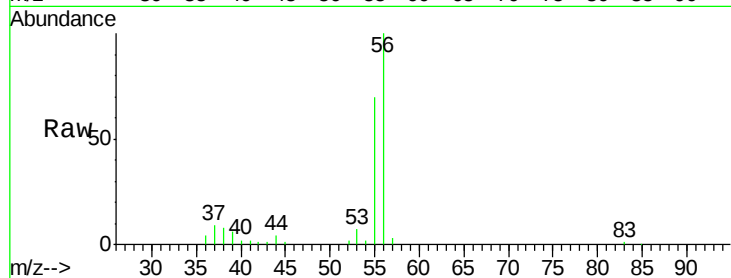
#13
Acrolein
Concen: 228.96 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	56	55	Ratio	100	69.3	Resp	96910	Lower	55.8	Upper	83.8
Ion	56	55	Ratio	100	69.3	Resp	96910	Lower	55.8	Upper	83.8

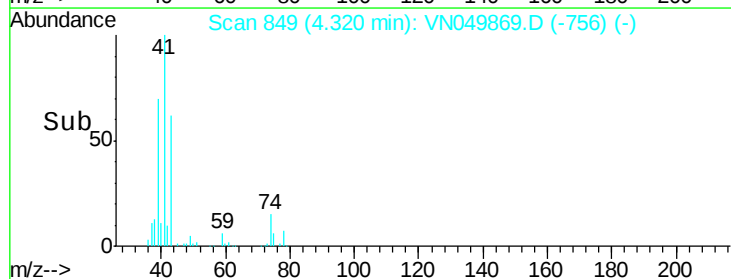
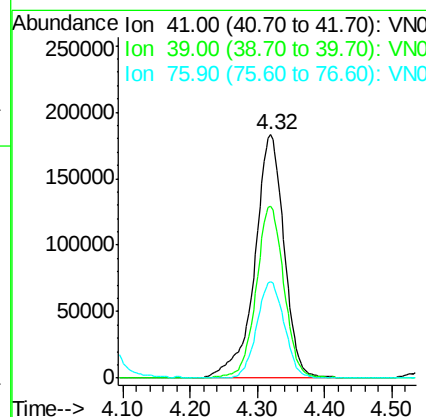
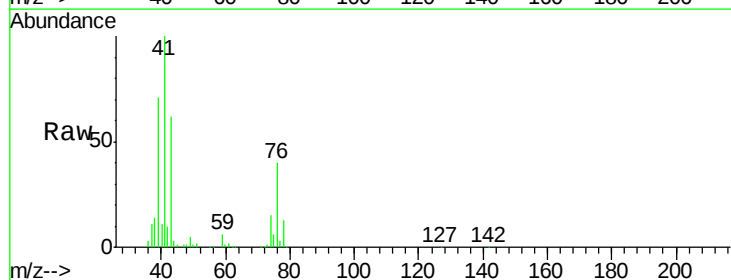
Manual Integrations
APPROVED

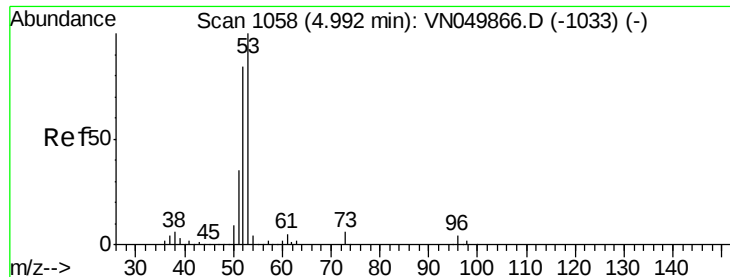
MMDadoda
7/19/2018 4:28:57 PM



#14
Allyl chloride
Concen: 48.27 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	41	39	76	Ratio	100	67.0	36.6	Resp	553473	Lower	53.2	Upper	79.8	43.6
Ion	41	39	76	Ratio	100	67.0	36.6	Resp	553473	Lower	53.2	Upper	79.8	43.6





#15

Acrylonitrile

Concen: 238.09 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

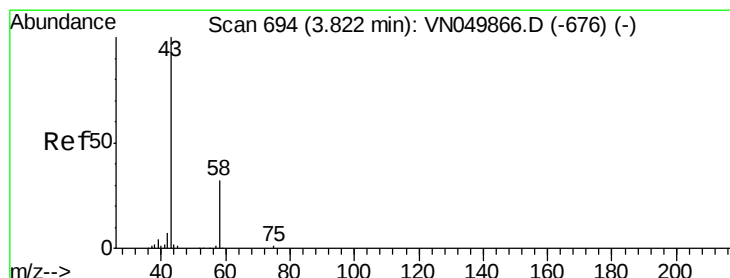
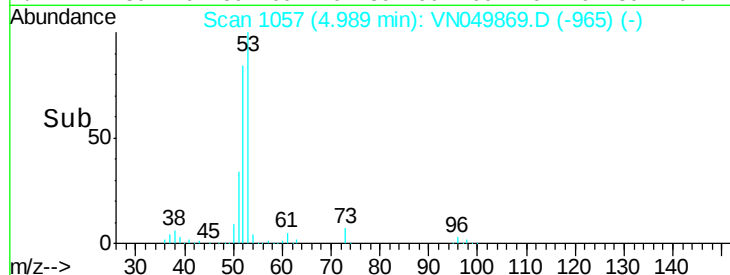
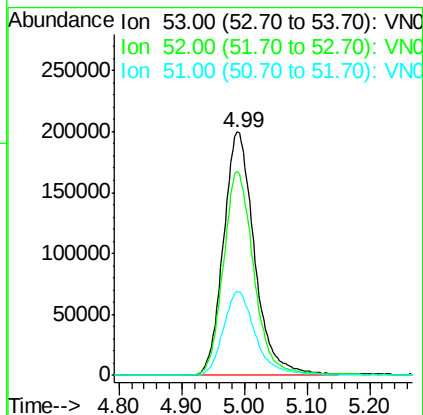
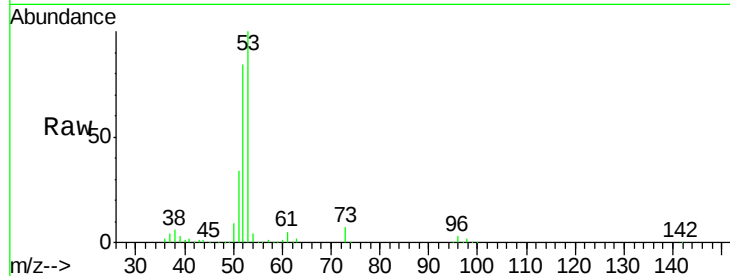
ClientSampleId :

ICVVN071818

Tot Ion:	53	Resp:	687796
Ion	Ratio	Lower	Upper
53	100		
52	82.0	64.8	97.2
51	35.4	28.9	43.3

Manual Integrations
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7/19/2018 4:28:57 PM



#16

Acetone

Concen: 234.94 ug/l

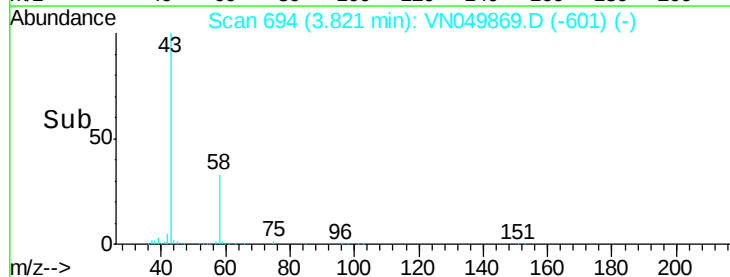
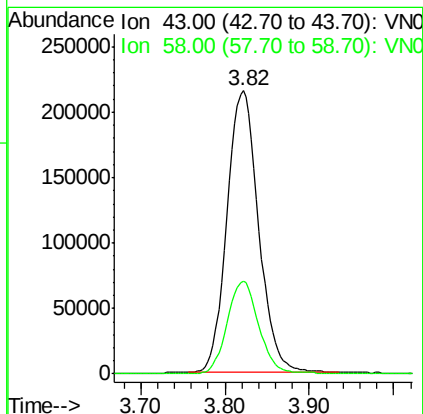
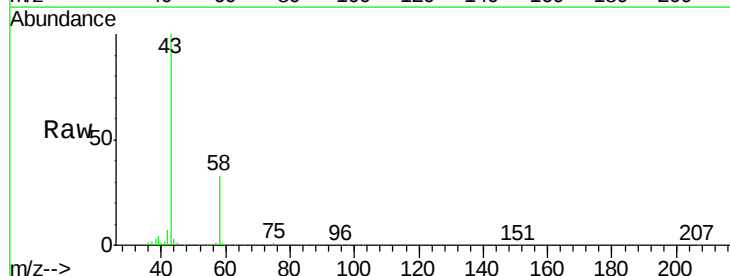
RT: 3.82 min Scan# 694

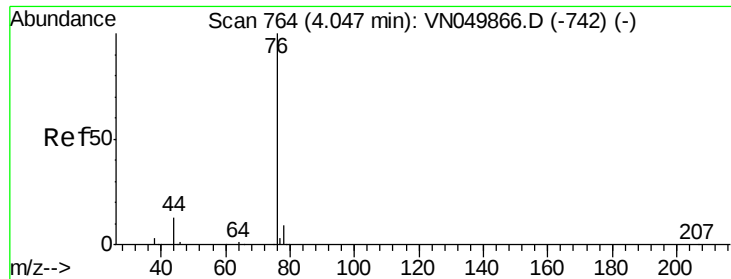
Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Tgt Ion:	43	Resp:	560858
Ion	Ratio	Lower	Upper
43	100		
58	33.0	25.9	38.9





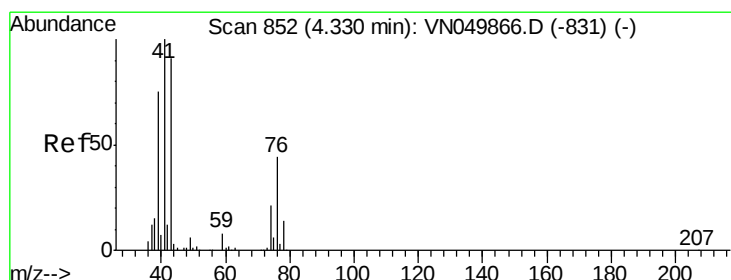
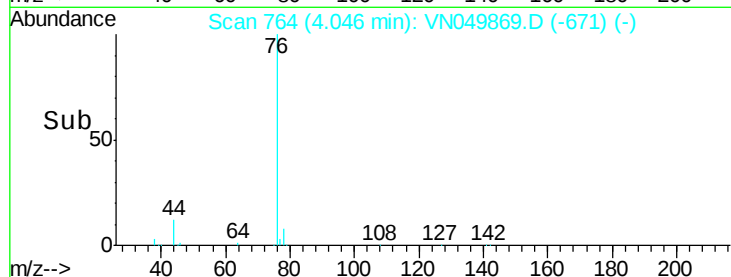
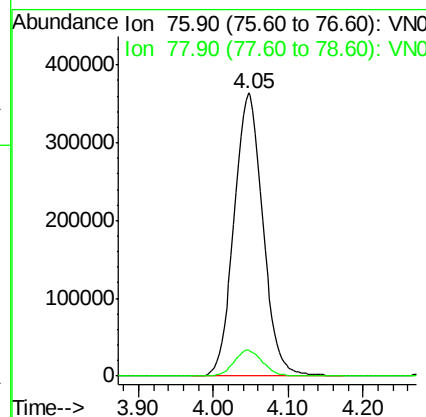
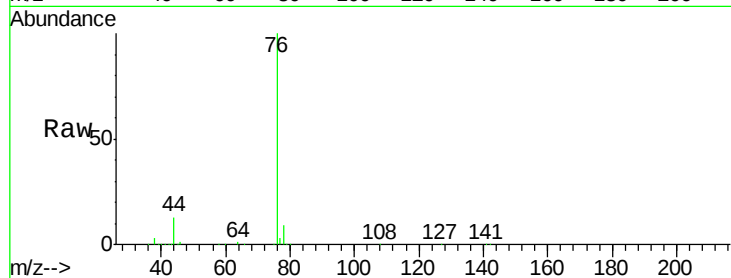
#17
Carbon Disulfide
Concen: 44.81 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

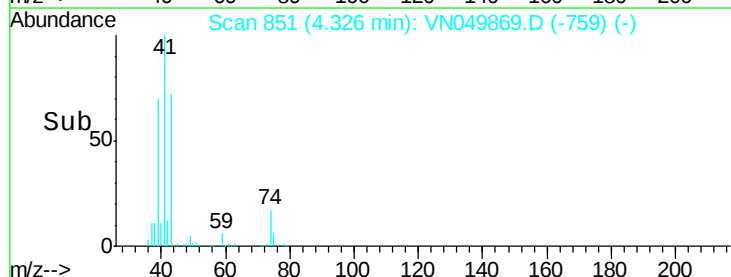
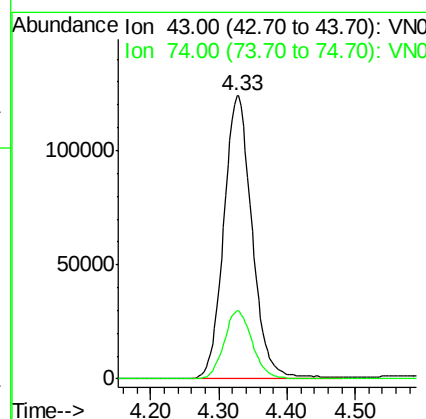
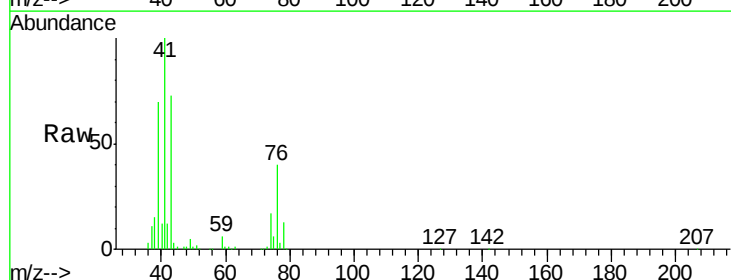
Manual Integrations
APPROVED

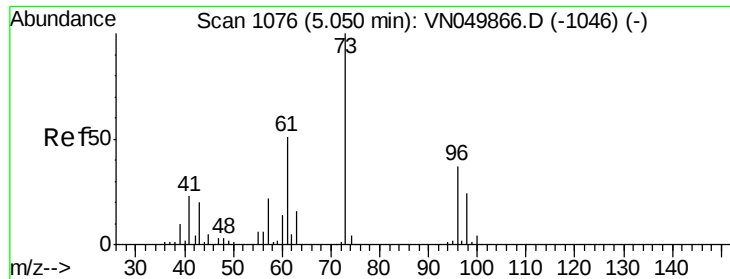
MMDadoda
7/19/2018 4:28:57 PM



#18
Methyl Acetate
Concen: 47.20 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.8	29.8





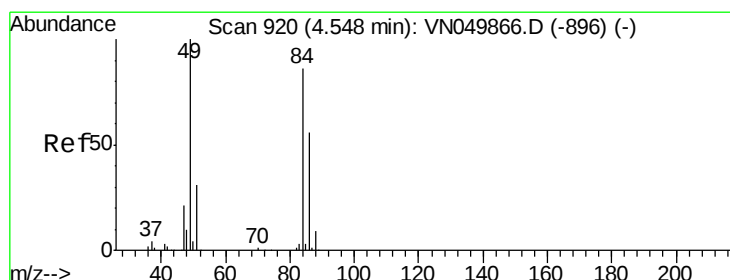
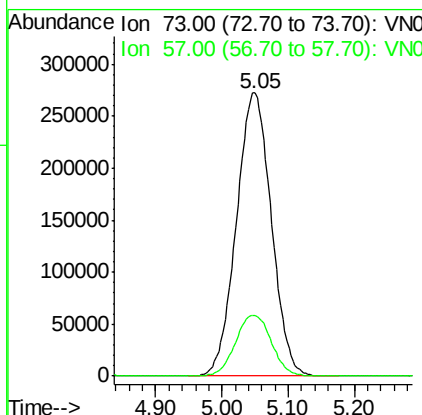
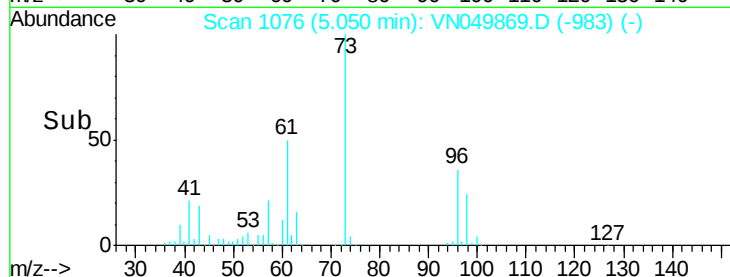
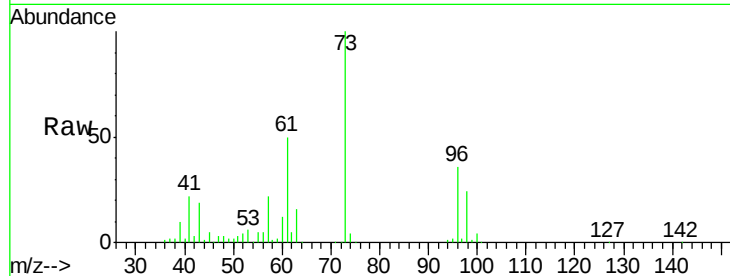
#19
Methyl tert-butyl Ether
Concen: 49.81 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampled :
ICVVN071818

Tot Ion: 73 Resp: 996717
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1

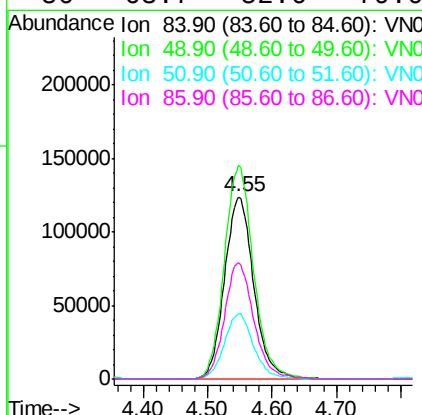
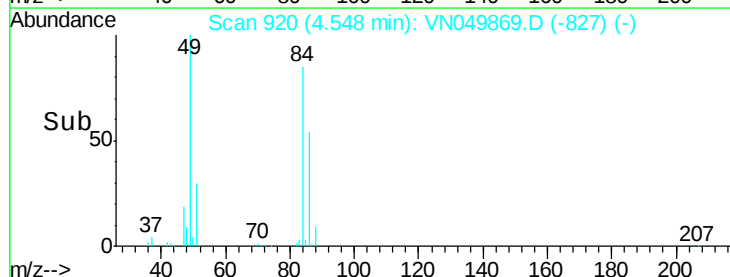
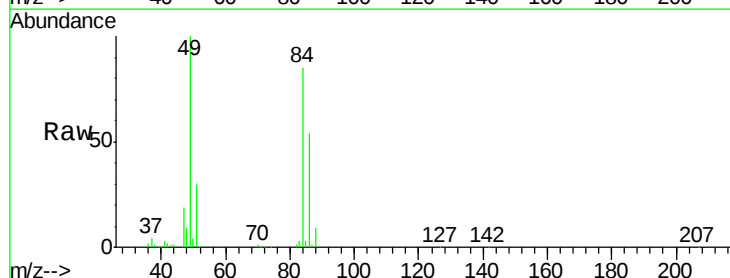
Manual Integrations
APPROVED

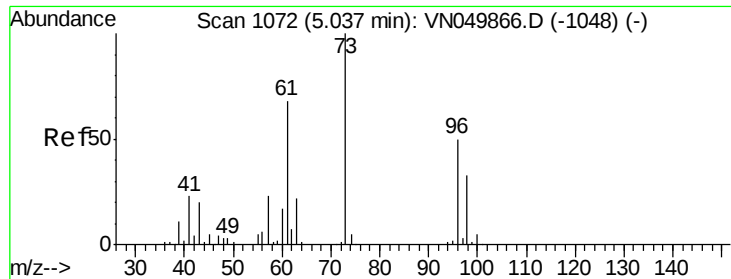
MMDadoda
7/19/2018 4:28:57 PM



#20
Methylene Chloride
Concen: 43.19 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion: 84 Resp: 392103
Ion Ratio Lower Upper
84 100
49 117.3 95.4 143.2
51 35.7 28.4 42.6
86 63.7 52.6 79.0





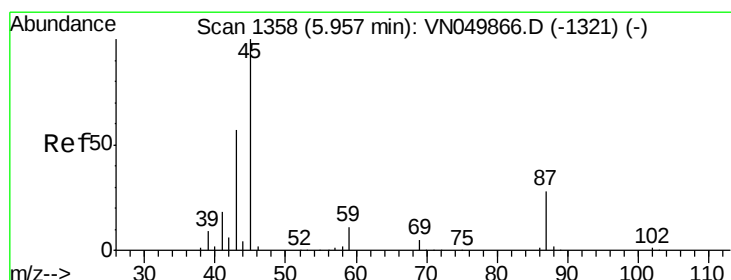
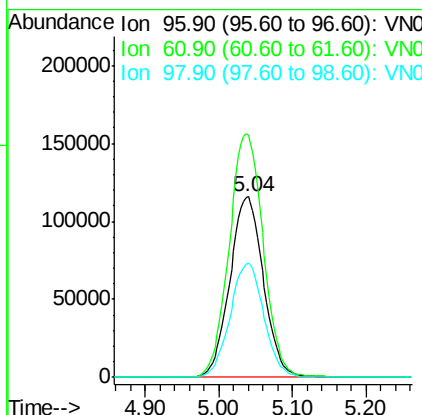
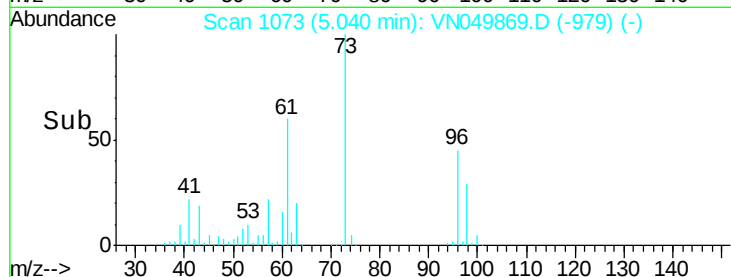
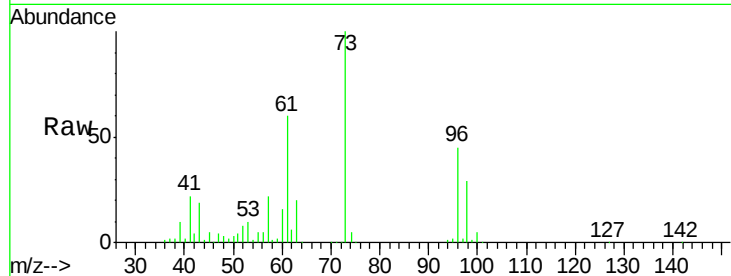
#21
trans-1,2-Dichloroethene
Concen: 47.55 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	109.0	163.6
98	63.6	51.1	76.7

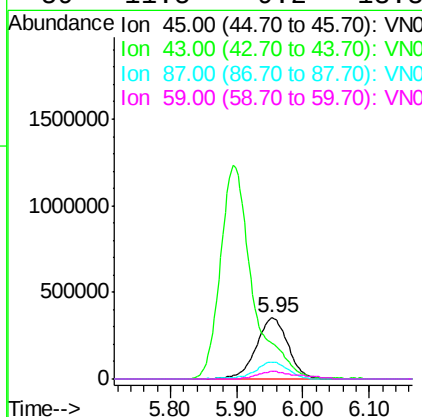
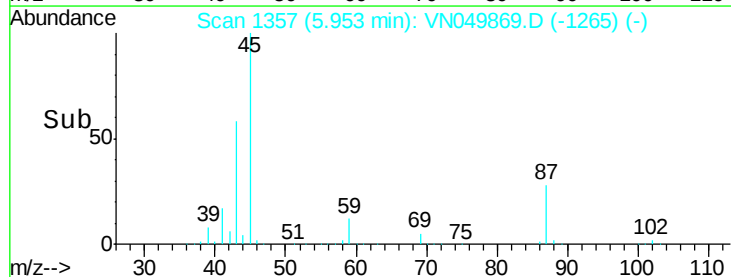
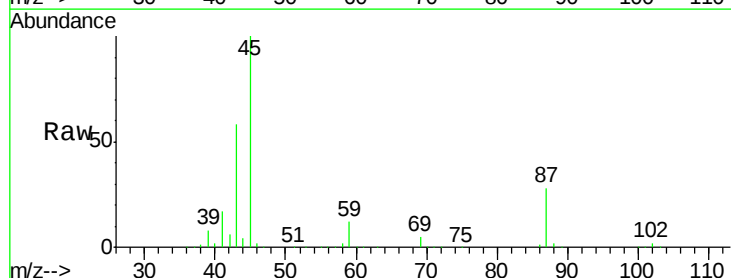
Manual Integrations
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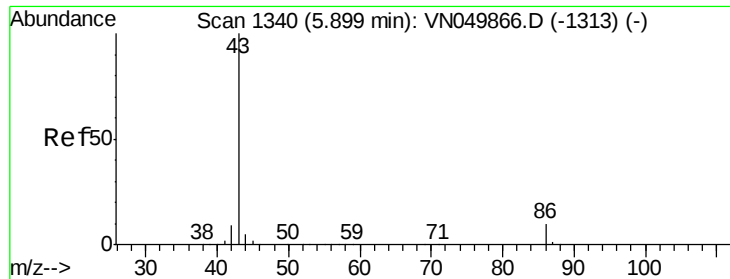
MMDadoda
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#22
Diisopropyl ether
Concen: 50.61 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	48.1	72.1
87	27.9	22.6	34.0
59	11.5	9.2	13.8





#23

Vinyl Acetate

Concen: 252.86 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN071818

Tot Ion: 43 Resp: 4150879

Ion Ratio Lower Upper

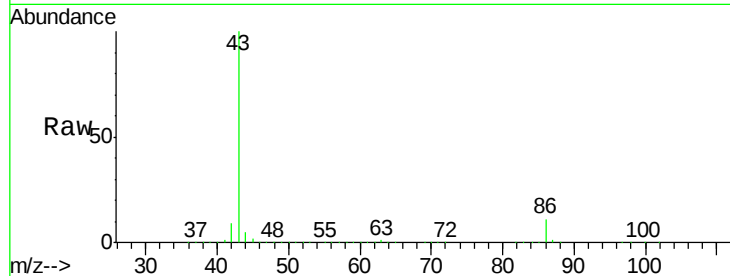
43 100

86 10.6 8.4 12.6

Manual Integrations
APPROVED

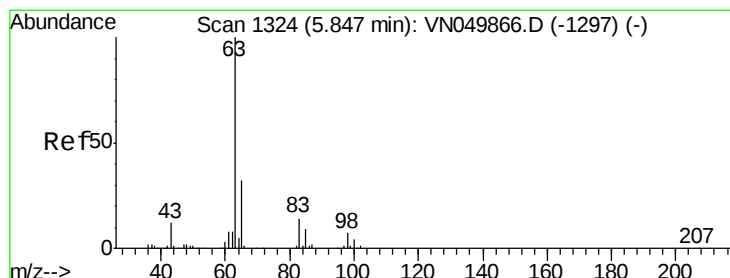
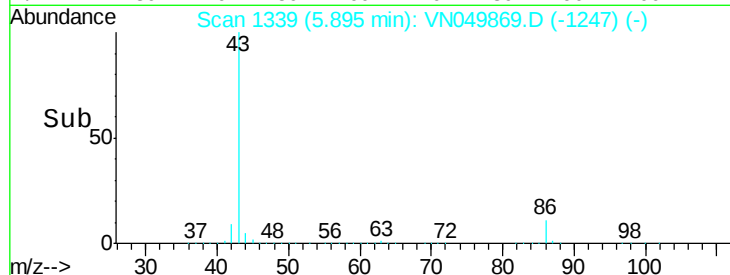
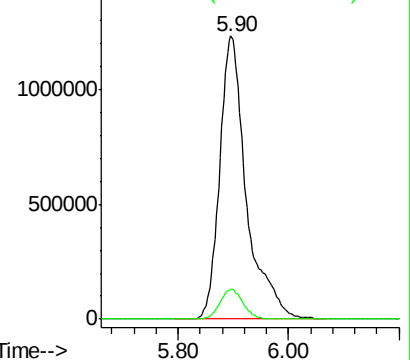
MMDadoda

7/19/2018 4:28:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 45.44 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

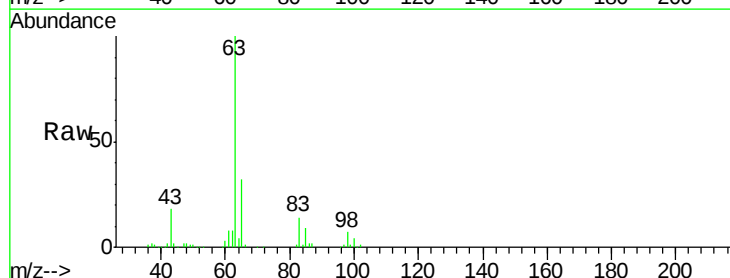
Tgt Ion: 63 Resp: 682515

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.2

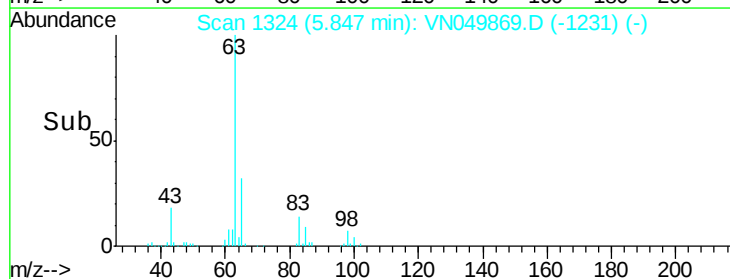
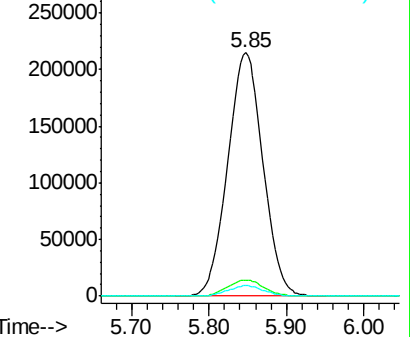
100 4.2 2.2 6.6

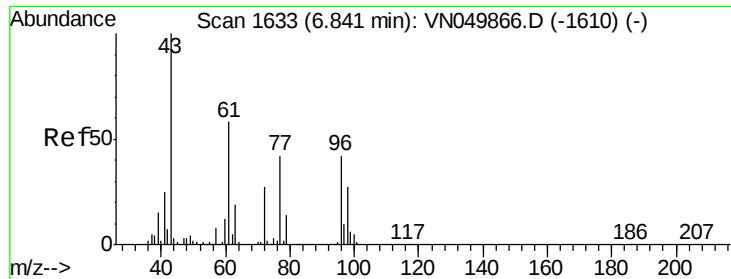


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





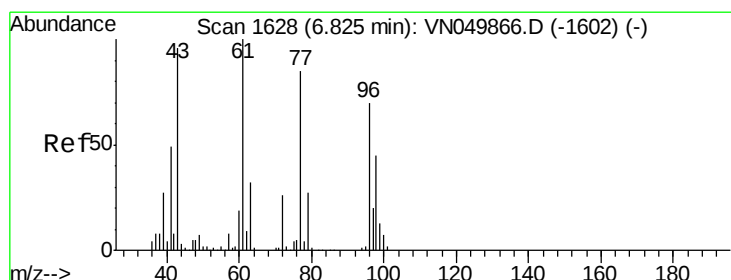
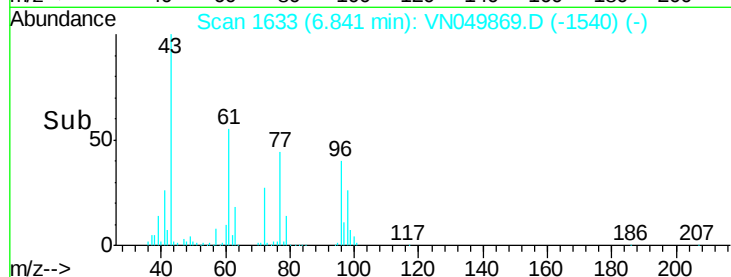
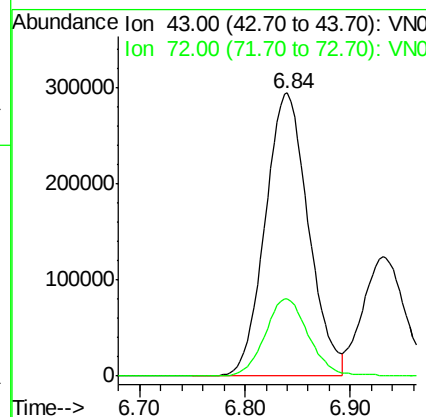
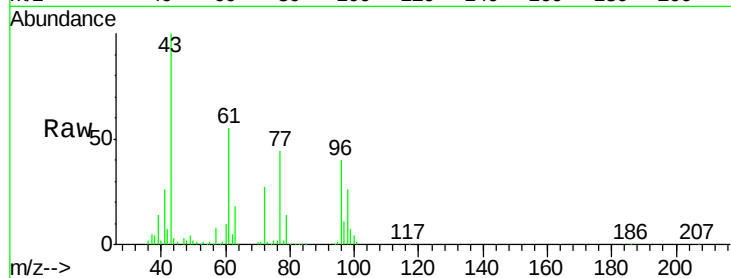
#25
2-Butanone
Concen: 244.59 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion: 43 Resp: 834484
Ion Ratio Lower Upper
43 100
72 27.3 22.1 33.1

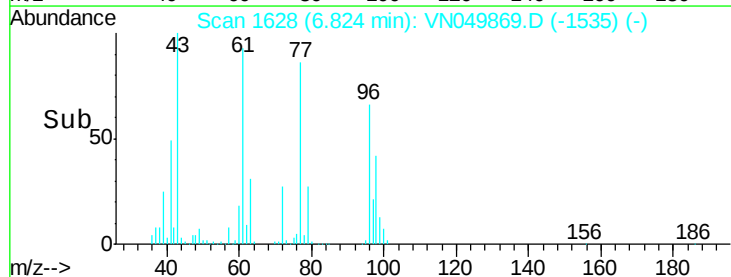
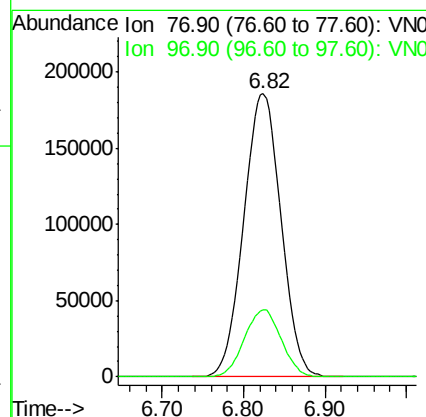
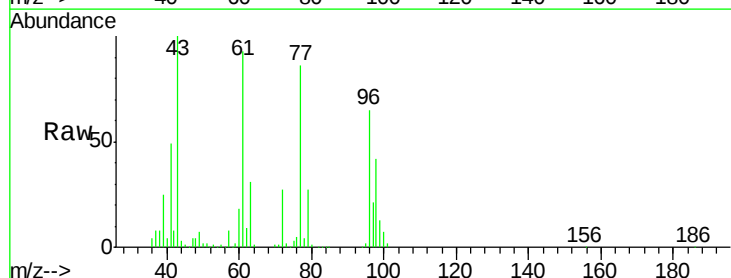
Manual Integrations
APPROVED

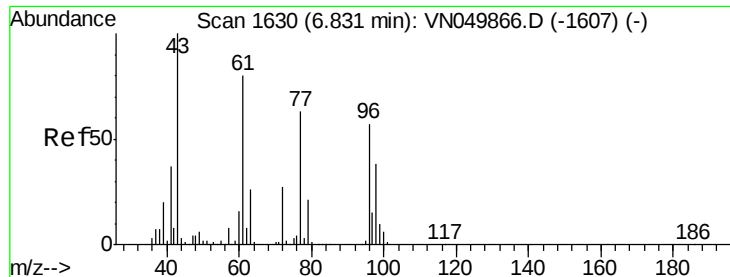
MMDadoda
7/19/2018 4:28:57 PM



#26
2,2-Dichloropropane
Concen: 50.22 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion: 77 Resp: 586945
Ion Ratio Lower Upper
77 100
97 23.5 11.9 35.5





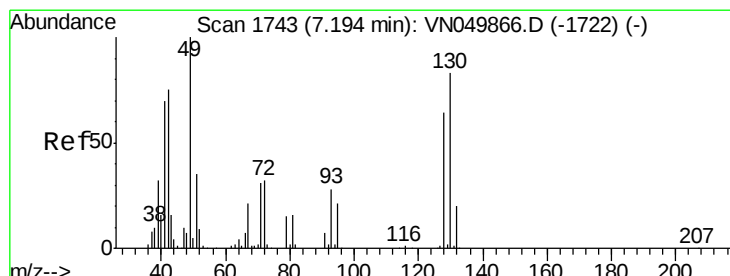
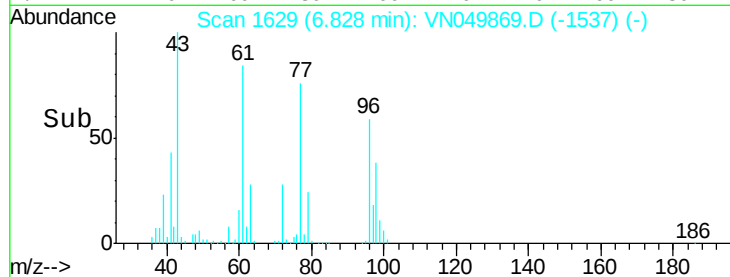
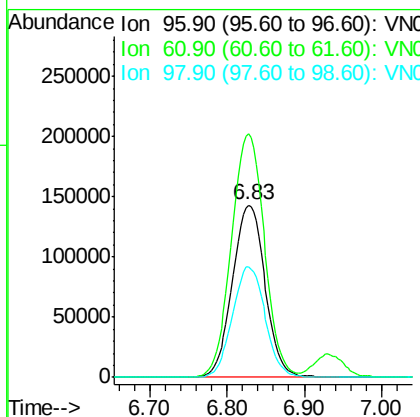
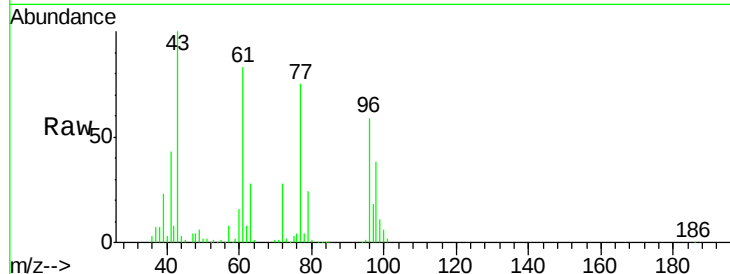
#27
 cis-1,2-Dichloroethene
 Concen: 49.47 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071818

Tot Ion	Ratio	Resp	Lower	Upper
96	100	419244		
61	142.6	0.0	289.0	
98	64.4	0.0	130.2	

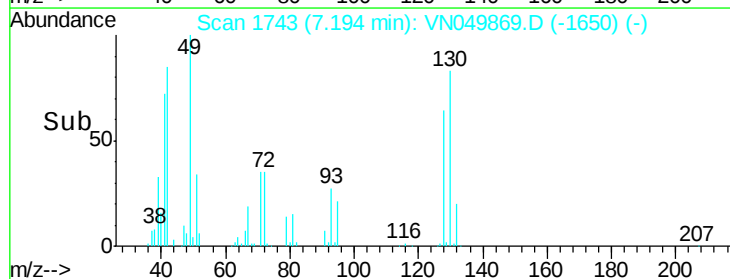
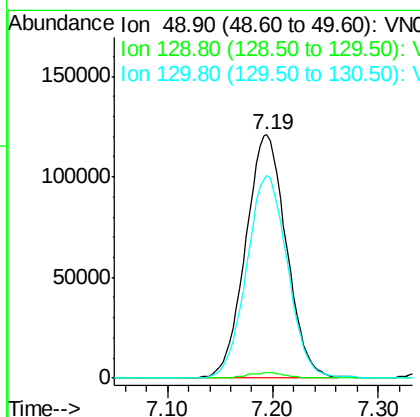
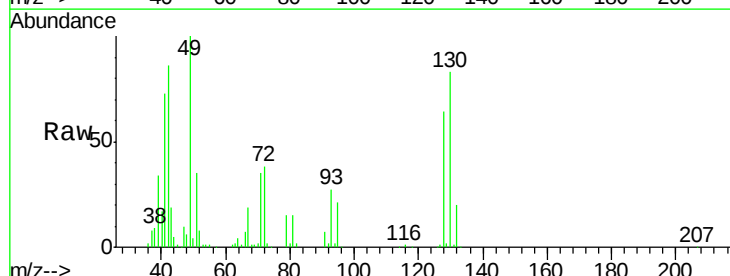
Manual Integrations
 APPROVED

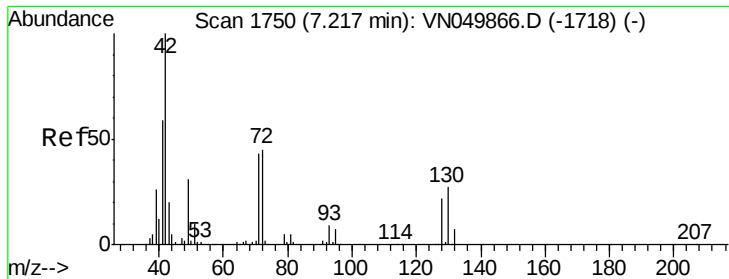
MMDadoda
 7/19/2018 4:28:57 PM



#28
 Bromochloromethane
 Concen: 47.94 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	325172		
129	2.1	0.0	4.2	
130	83.7	65.5	98.3	





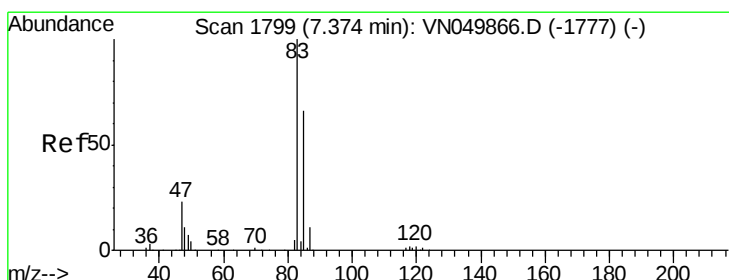
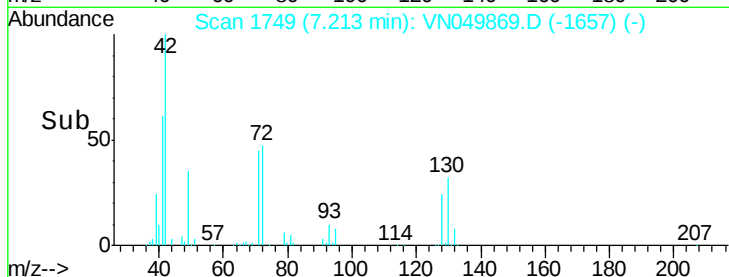
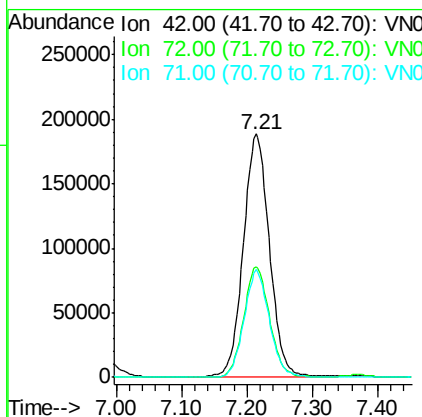
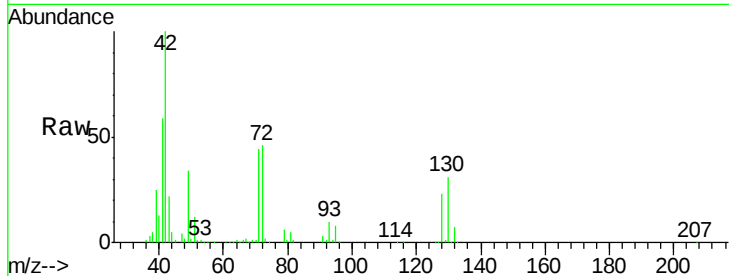
#29
Tetrahydrofuran
Concen: 243.98 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.6	53.4
71	42.7	34.0	51.0

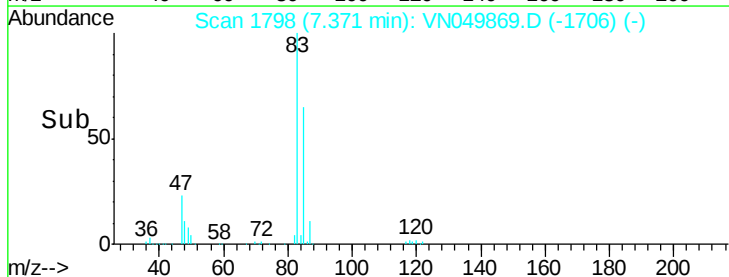
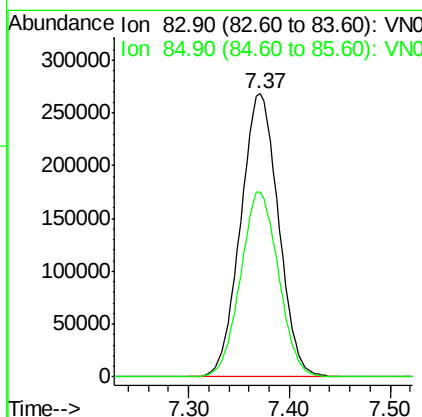
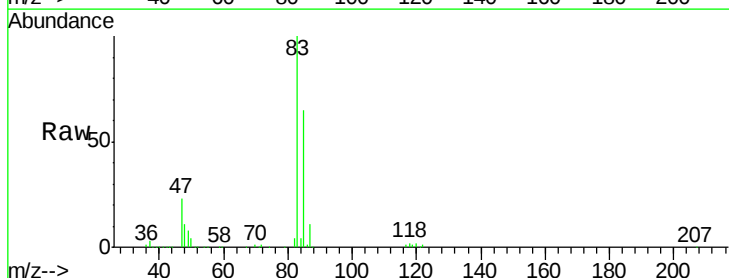
Manual Integrations
APPROVED

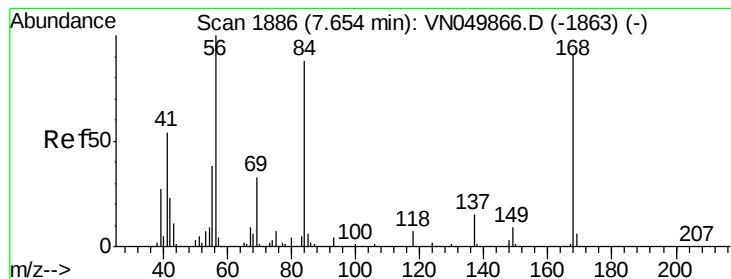
MMDadoda
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#30
Chloroform
Concen: 45.23 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.2





#31

Cyclohexane

Concen: 48.91 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

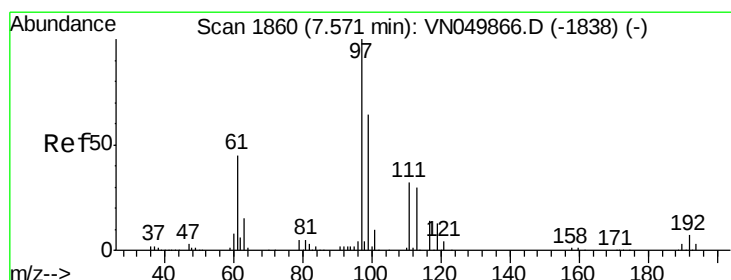
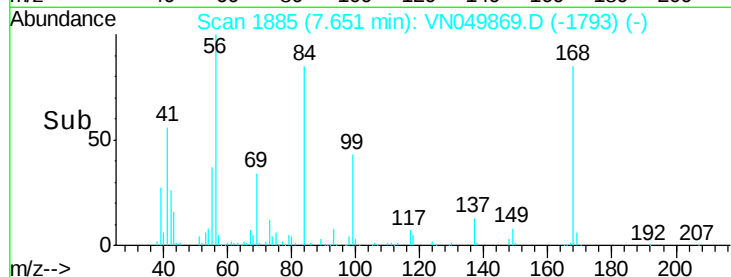
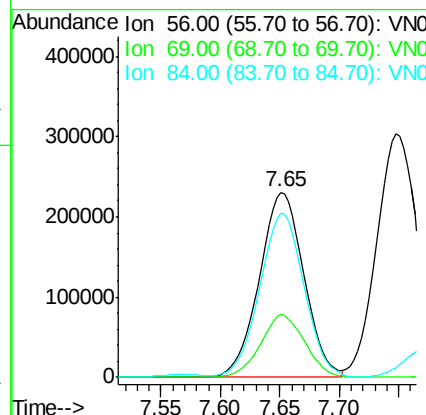
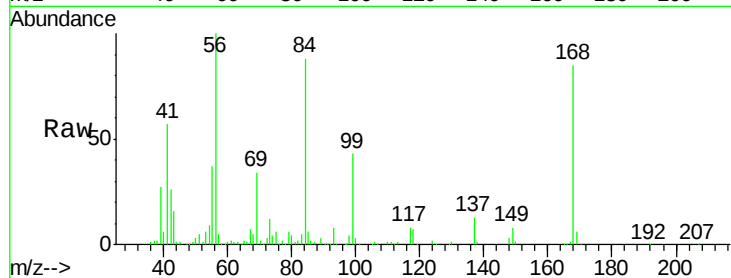
ICVVN071818

Tot Ion: 56 Resp: 597901

Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.6	40.0
84	86.9	69.0	103.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 45.68 ug/l

RT: 7.57 min Scan# 1859

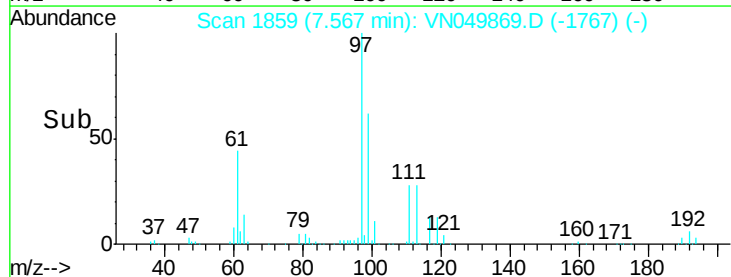
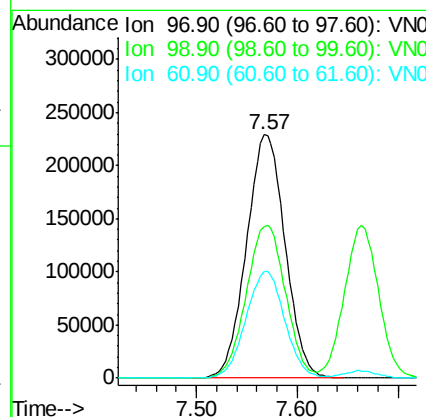
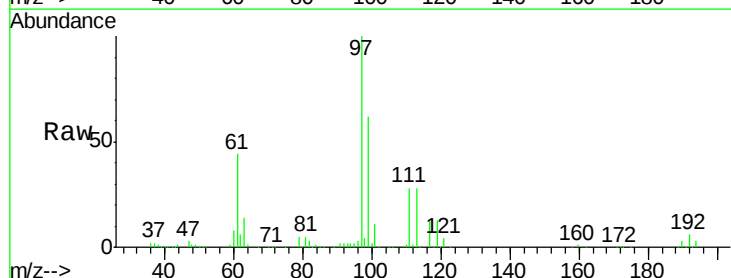
Delta R.T. -0.00 min

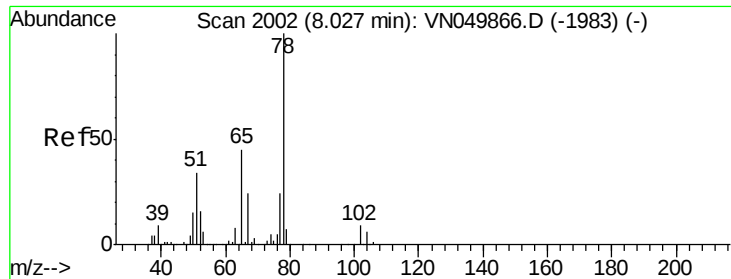
Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Tgt Ion: 97 Resp: 608784

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	44.1	35.5	53.3





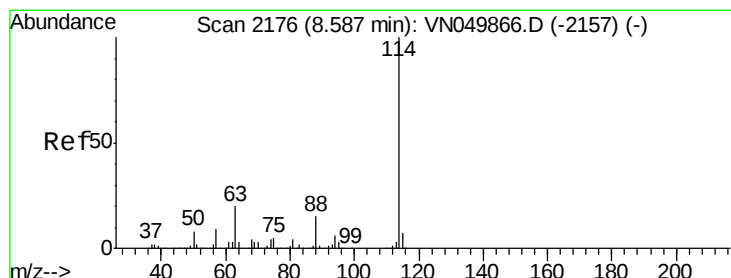
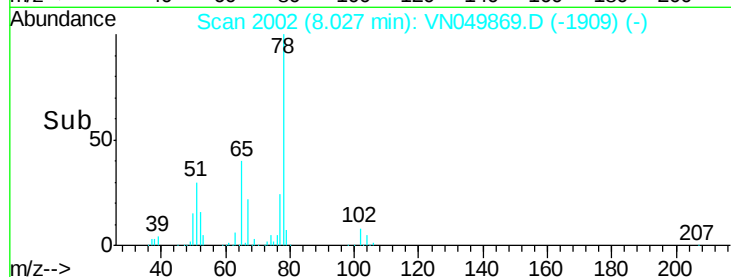
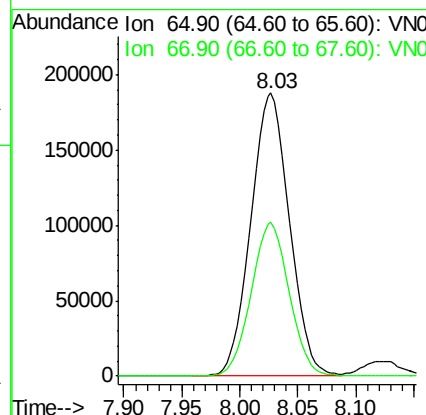
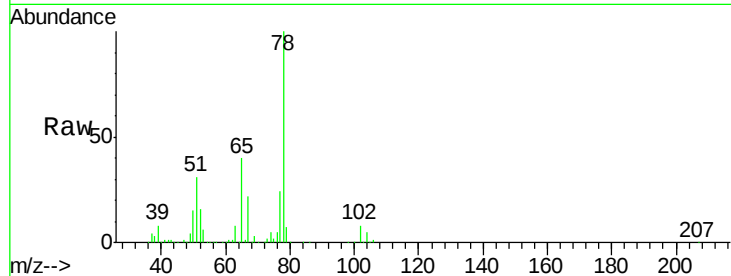
#33
 1,2-Dichloroethane-d4
 Concen: 47.35 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071818

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.4	0.0	107.2	

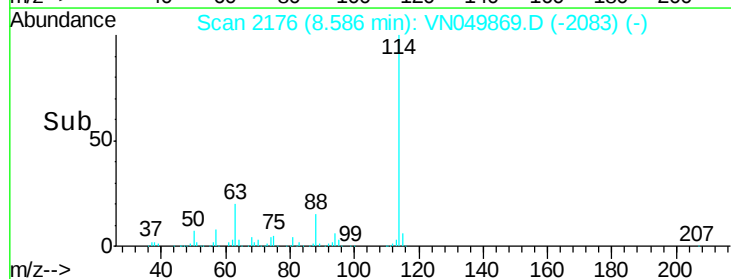
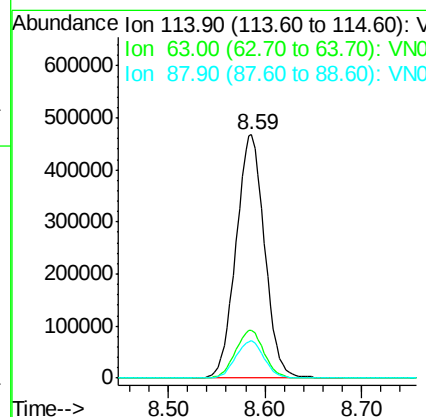
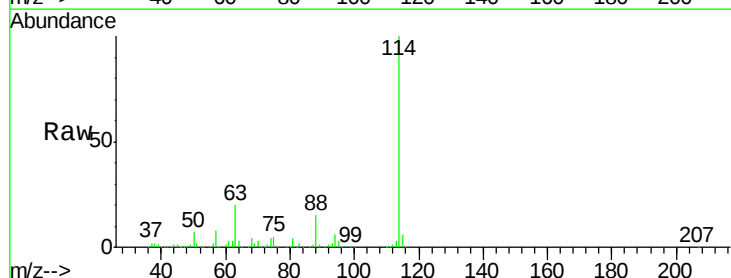
Manual Integrations
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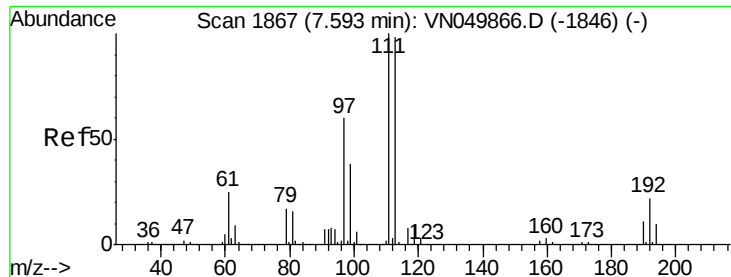
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	39.8	
88	15.3	0.0	30.6	





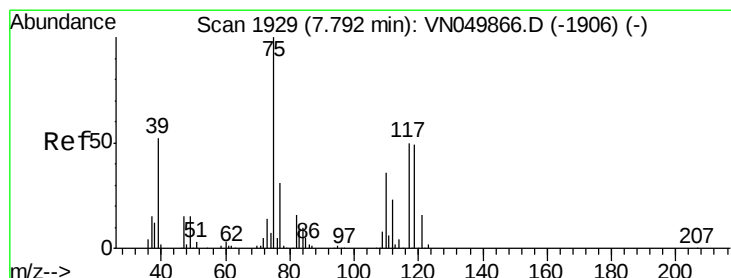
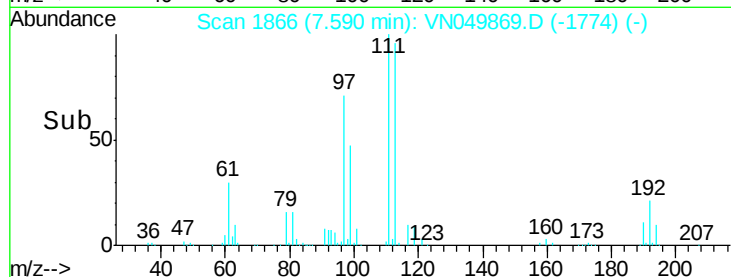
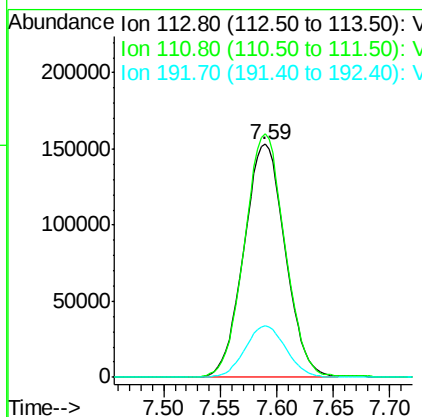
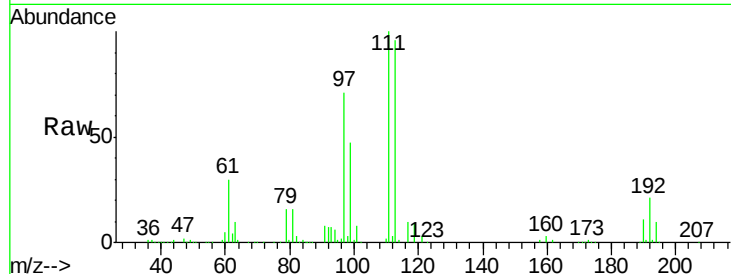
#35
Dibromofluoromethane
Concen: 48.39 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ratio	Resp	Lower	Upper
113	100	389244		
111	102.8	81.8	122.8	
192	22.1	17.8	26.6	

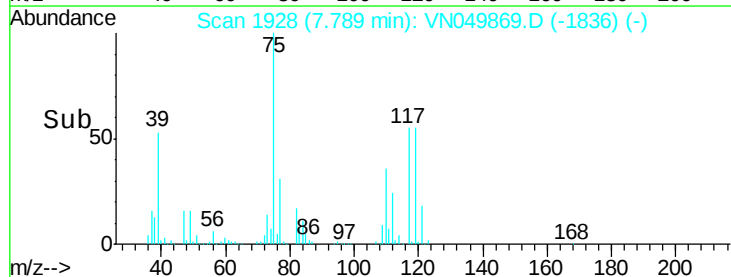
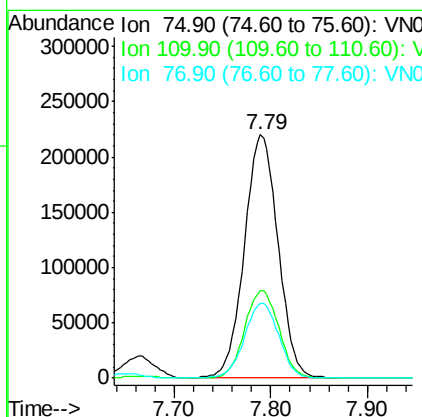
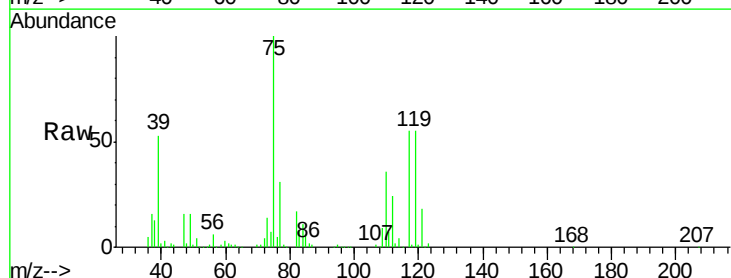
Manual Integrations
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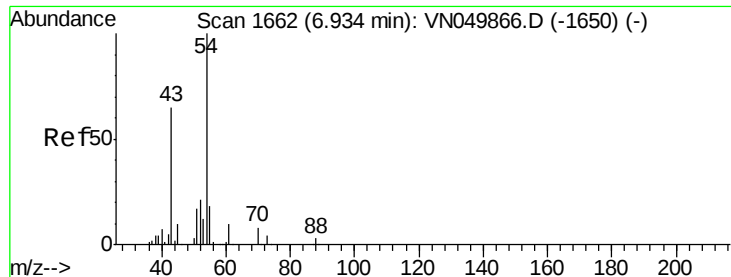
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.67 ug/l
RT: 7.79 min Scan# 1928
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	529147		
110	36.8	18.1	54.4	
77	31.6	24.9	37.3	





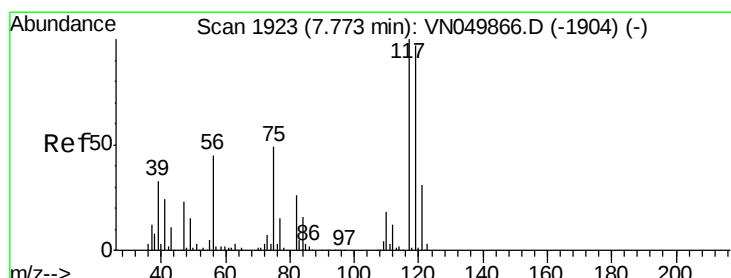
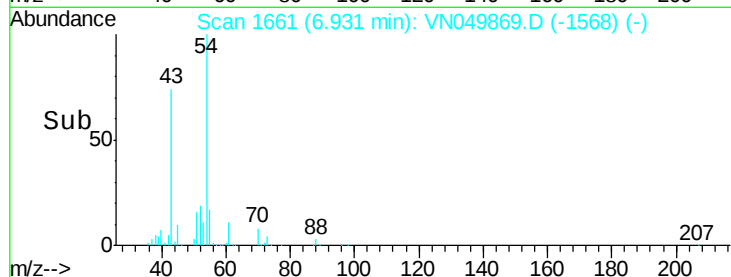
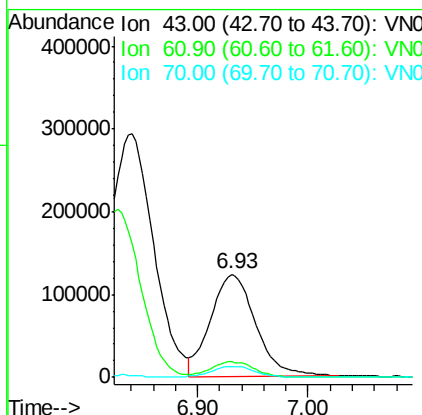
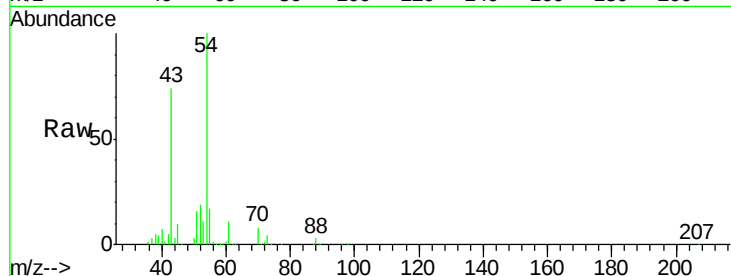
#37
Ethyl Acetate
Concen: 47.41 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	11.0	8.4	12.6

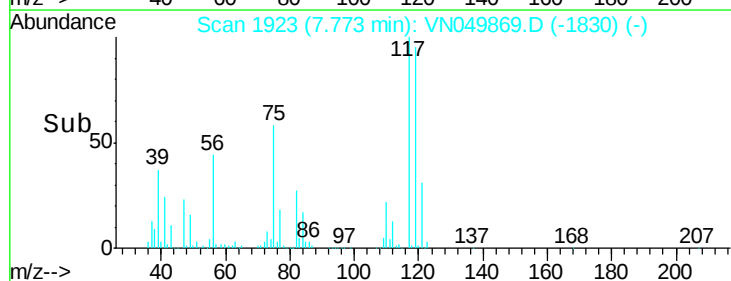
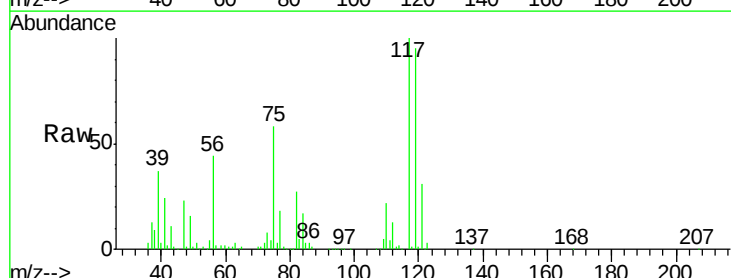
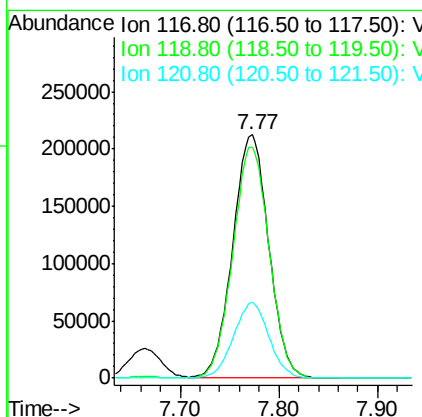
Manual Integrations
APPROVED

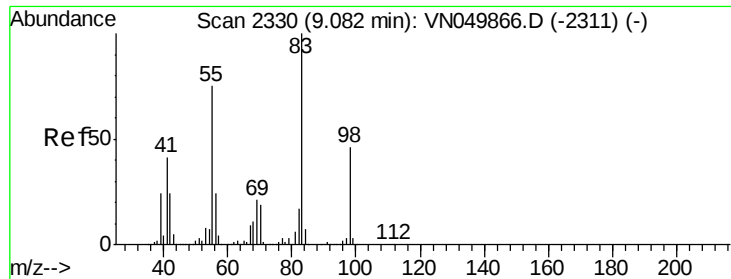
MMDadoda
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#38
Carbon Tetrachloride
Concen: 47.08 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.2	115.8
121	31.1	25.0	37.6





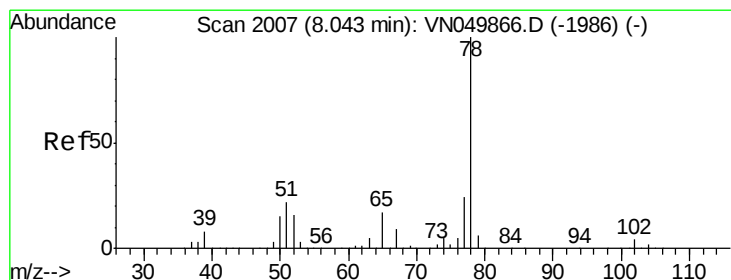
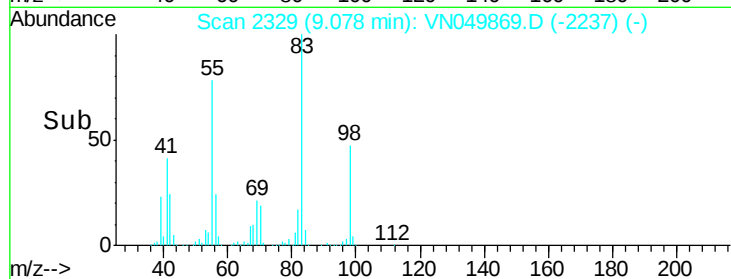
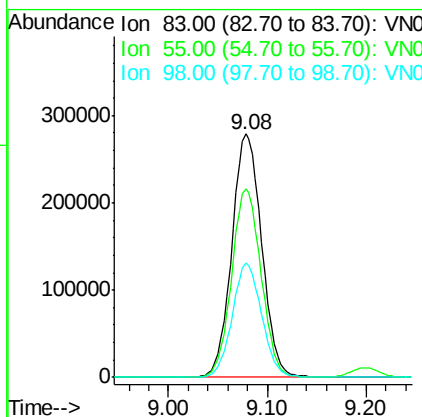
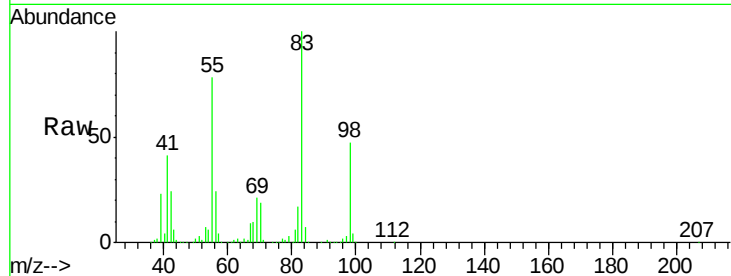
#39
Methvlcvclohexane
Concen: 53.31 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.7	59.7	89.5	
98	46.9	36.5	54.7	

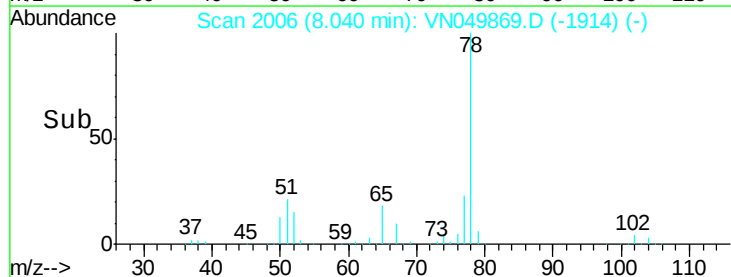
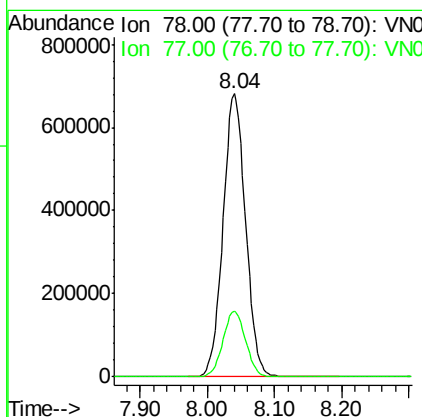
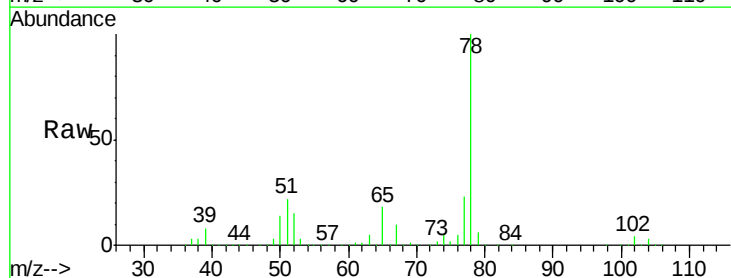
Manual Integrations
APPROVED

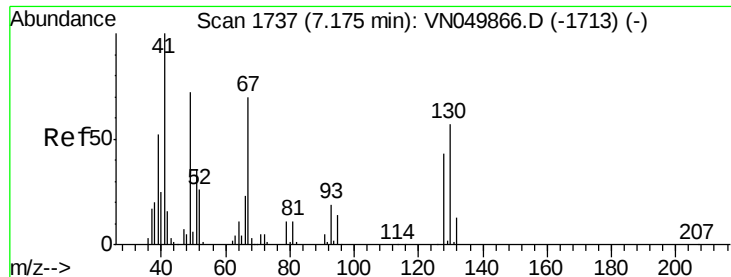
MMDadoda
7/19/2018 4:28:57 PM



#40
Benzene
Concen: 48.86 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	19.0	28.4	





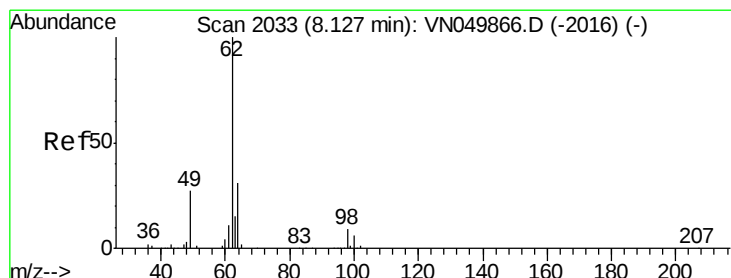
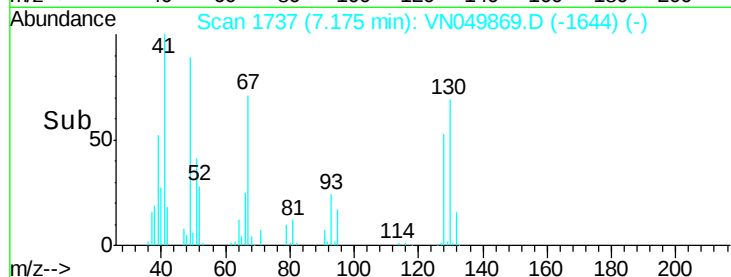
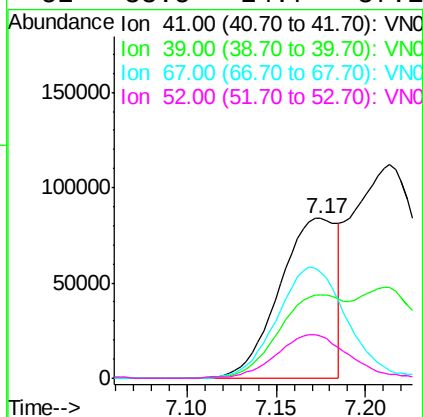
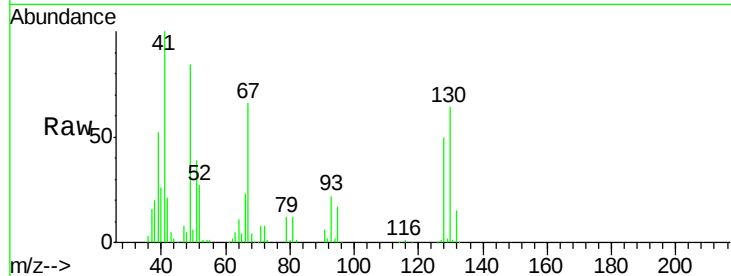
#41
Methacrylonitrile
Concen: 51.10 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		187387		
39	60.8	45.4	68.2		
67	85.1	65.4	98.0		
52	33.5	24.7	37.1		

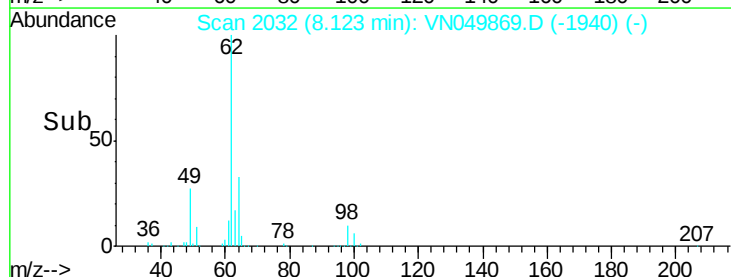
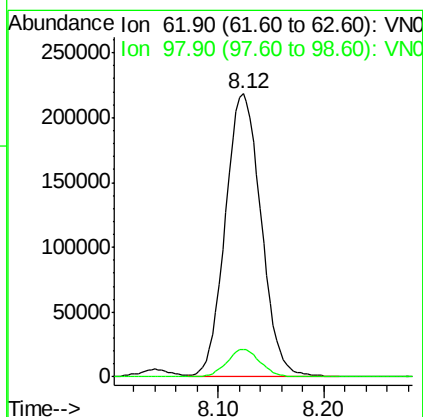
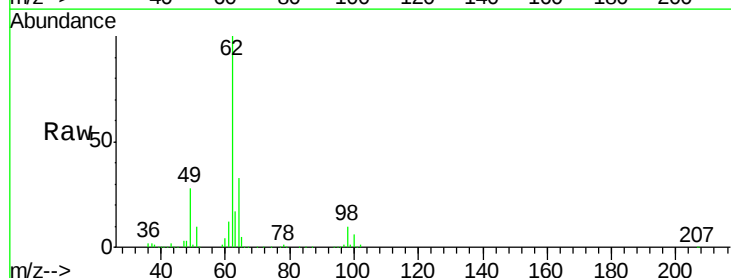
Manual Integrations
APPROVED

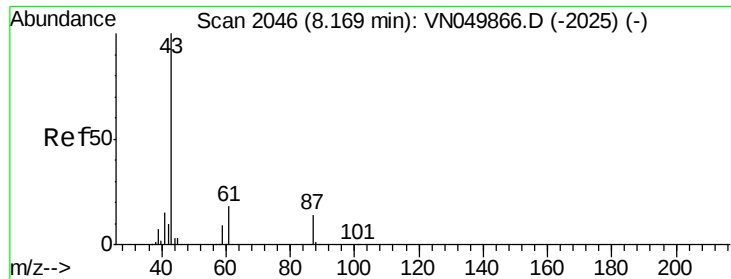
MMDadoda
7/19/2018 4:28:57 PM



#42
1,2-Dichloroethane
Concen: 47.52 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		510987		
98	9.2	0.0	19.0		





#43

Isopropyl Acetate

Concen: 49.09 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

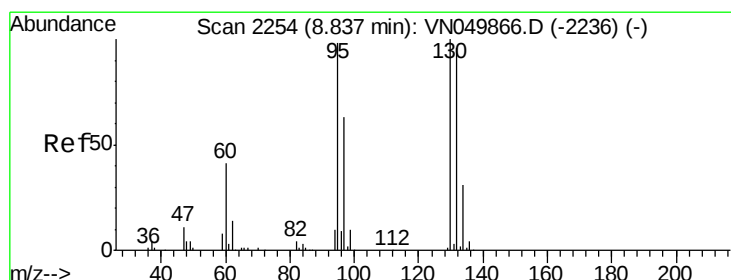
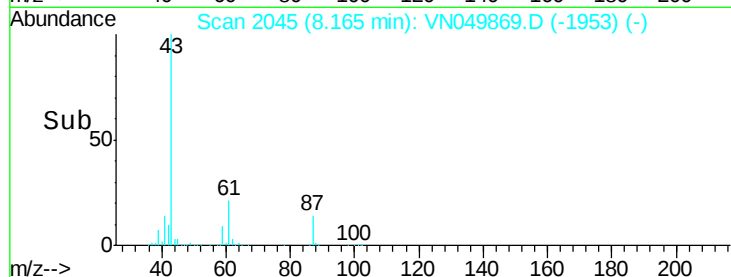
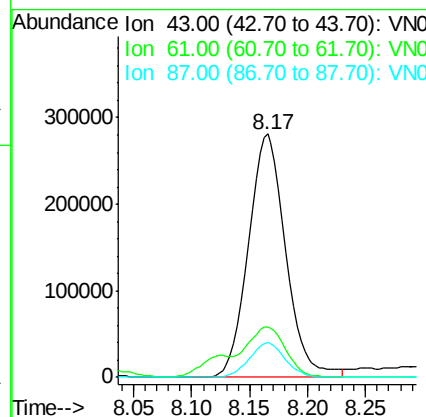
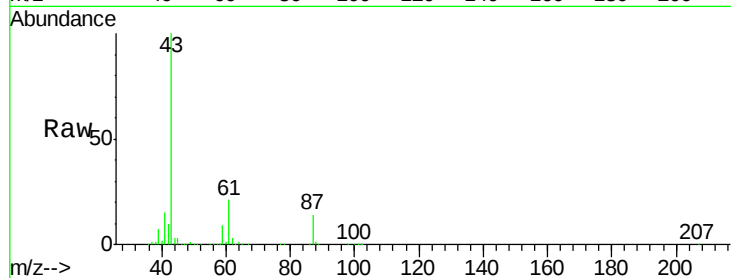
ClientSampleId :

ICVVN071818

Tot Ion:	43	Resp:	627406
Ion	Ratio	Lower	Upper
43	100		
61	20.6	14.9	22.3
87	13.8	10.0	15.0

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#44

Trichloroethene

Concen: 48.88 ug/l

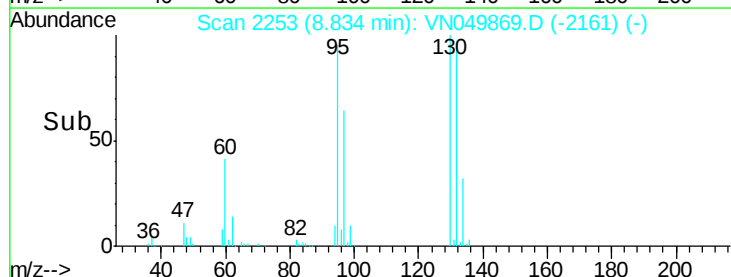
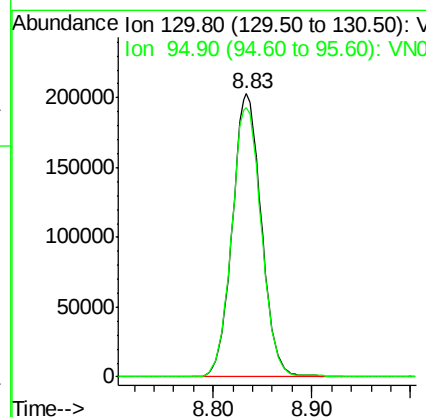
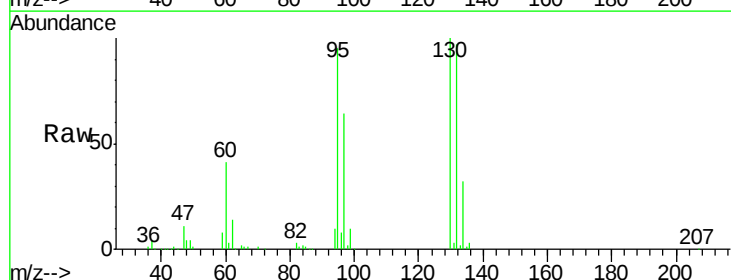
RT: 8.83 min Scan# 2253

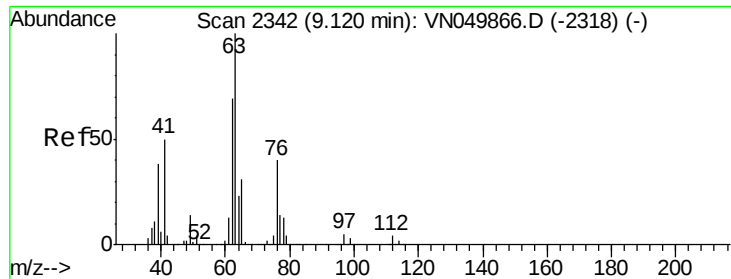
Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Tgt Ion:	130	Resp:	416175
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	192.8





#45

1,2-Dichloropropane

Concen: 47.63 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071818

Tot Ion: 63 Resp: 417204

Ion Ratio Lower Upper

63 100

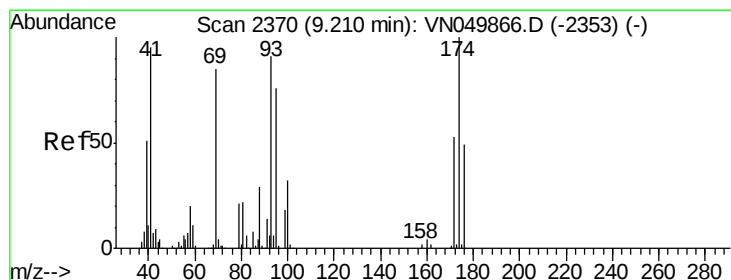
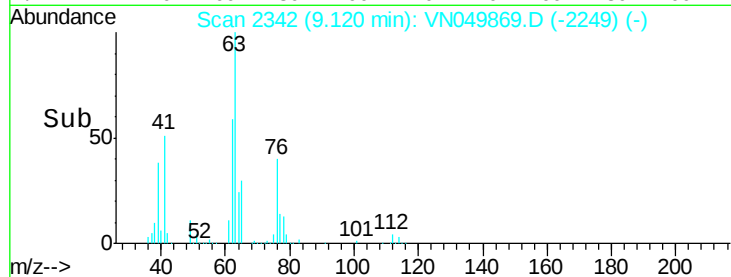
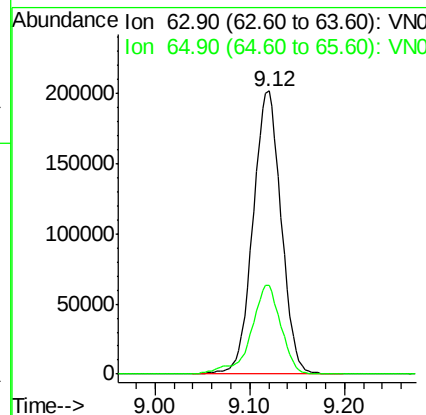
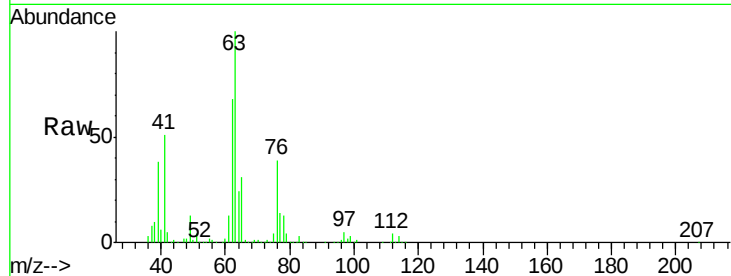
65 31.3 24.7 37.1

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#46

Dibromomethane

Concen: 47.15 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

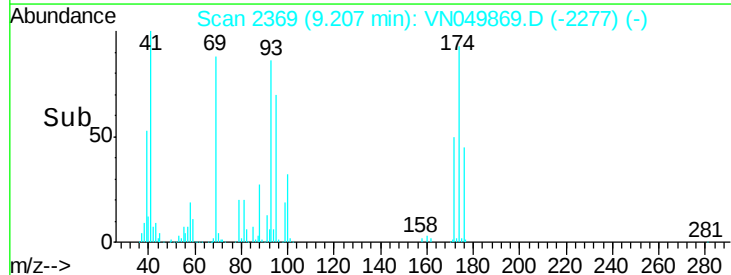
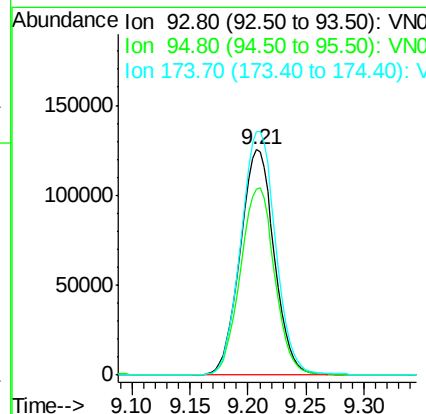
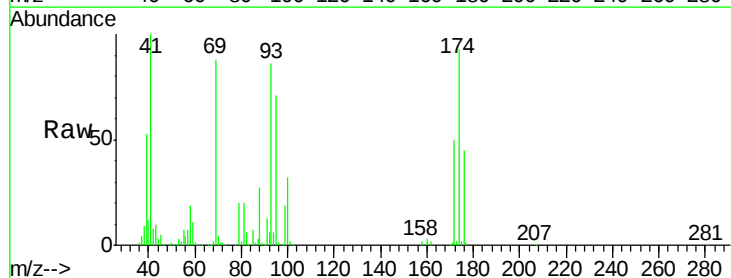
Tgt Ion: 93 Resp: 256114

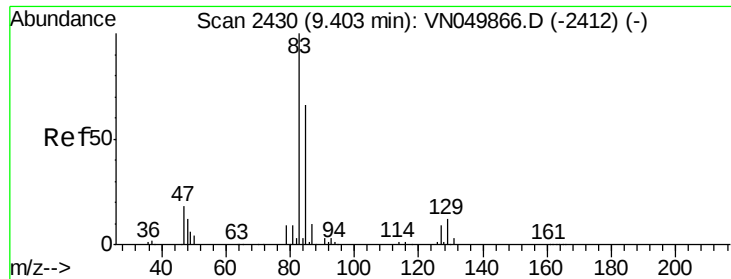
Ion Ratio Lower Upper

93 100

95 83.7 67.9 101.9

174 110.4 89.4 134.0





#47

Bromodichloromethane

Concen: 48.23 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

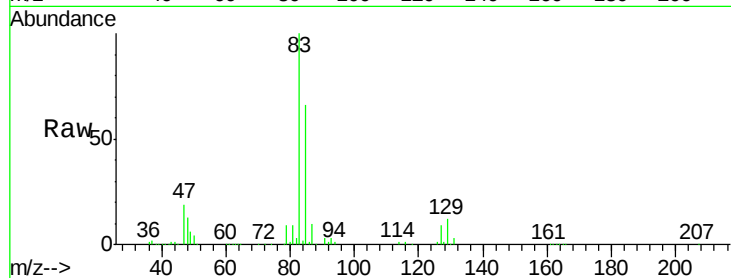
ClientSampleId :

ICVVN071818

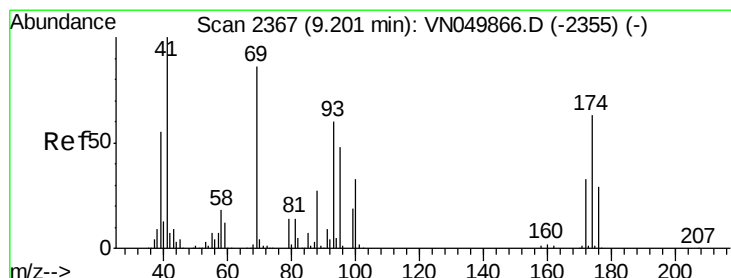
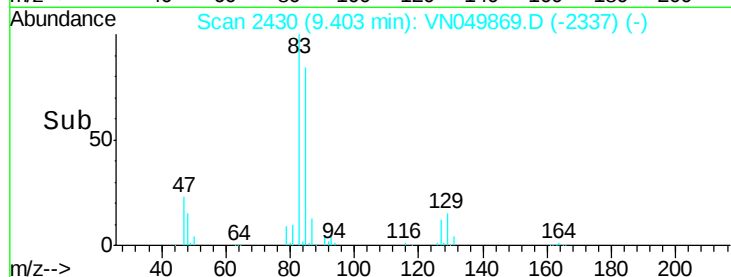
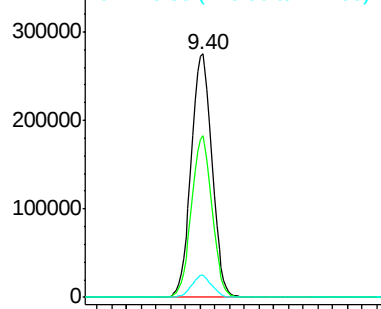
Tot Ion:	83	Resp:	541819
Ion	Ratio	Lower	Upper
83	100		
85	66.3	50.5	75.7
127	9.1	6.8	10.2

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Abundance Ion 82.90 (82.60 to 83.60): VN049866.D (-2412) (-)



#48

Methyl methacrylate

Concen: 49.07 ug/l

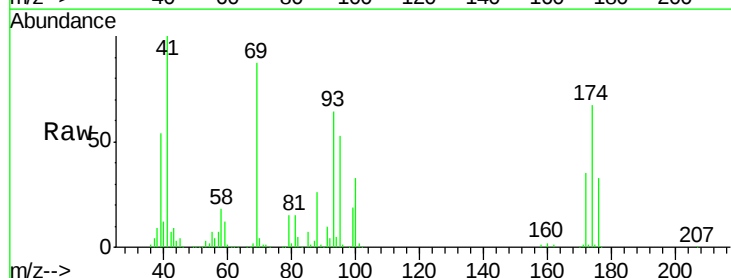
RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

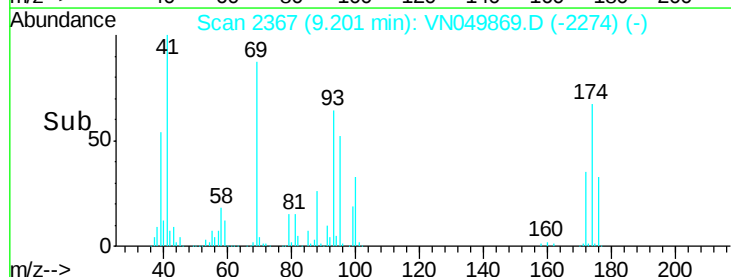
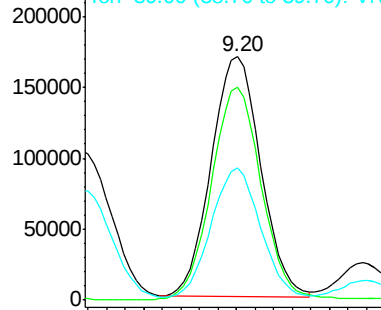
Lab File: VN049869.D

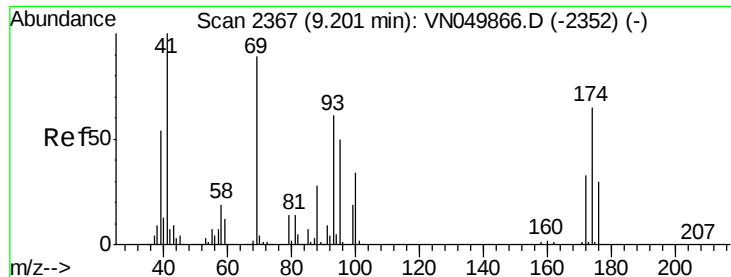
Acq: 18 Jul 2018 13:23

Tgt Ion:	41	Resp:	314593
Ion	Ratio	Lower	Upper
41	100		
69	89.8	71.5	107.3
39	55.9	44.7	67.1



Abundance Ion 41.00 (40.70 to 41.70): VN049866.D (-2355) (-)





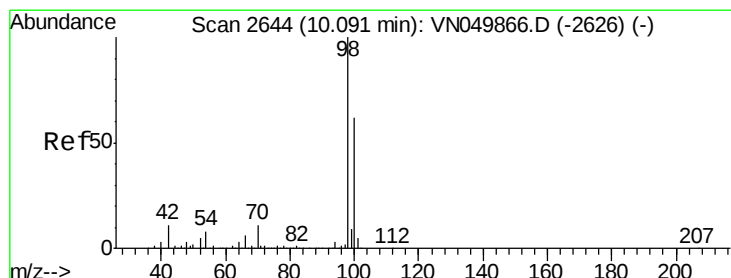
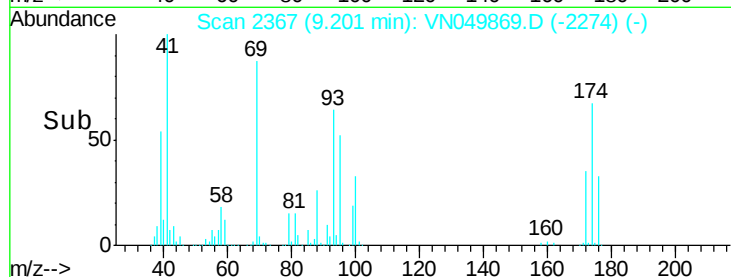
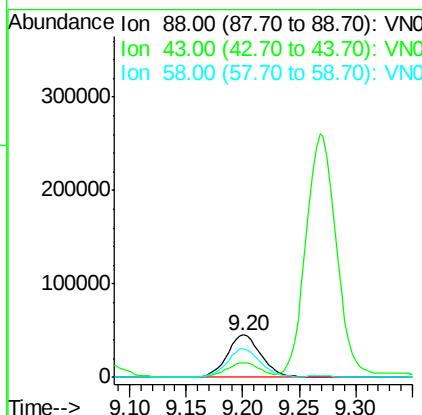
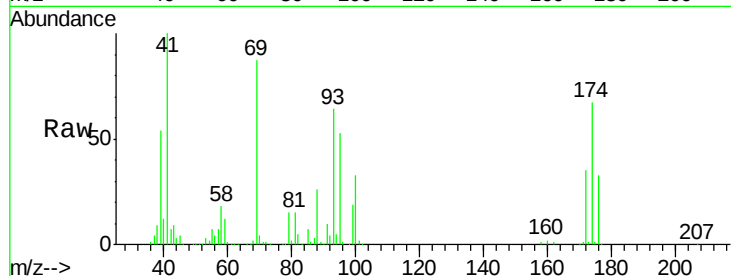
#49
1,4-Dioxane
Concen: 1042.96 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	88	Resp	94849
Ion	Ratio	Lower	Upper
88	100		
43	33.0	25.1	37.7
58	67.5	52.5	78.7

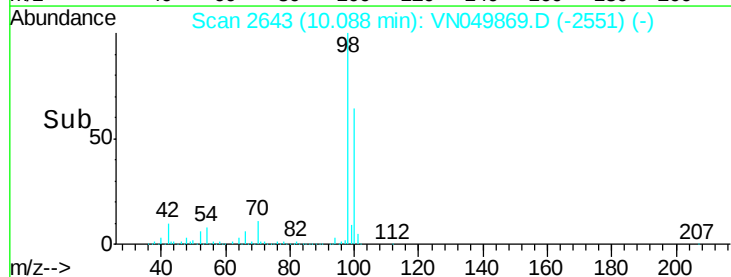
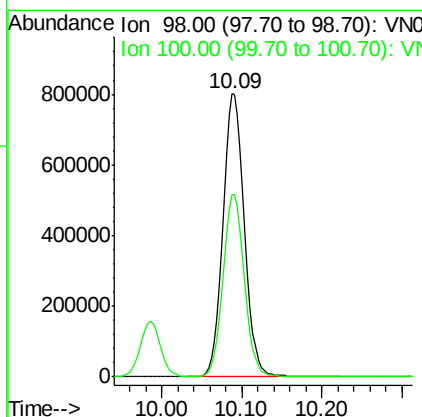
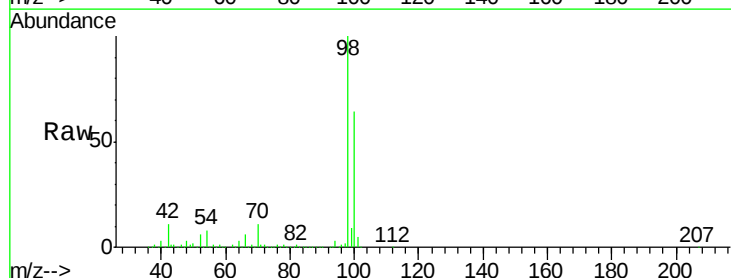
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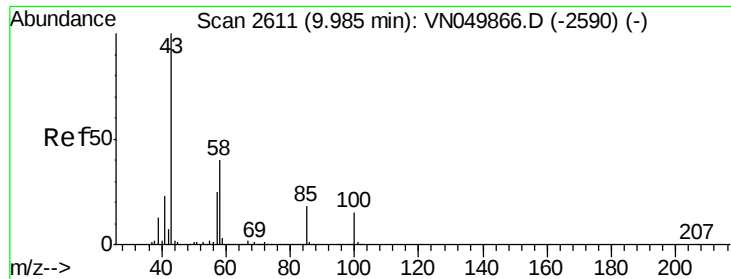
MMDadoda
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#50
Toluene-d8
Concen: 50.53 ug/l
RT: 10.09 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	98	Resp	1480727
Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 254.27 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071818

Tot Ion: 43 Resp: 1816512

Ion Ratio Lower Upper

43 100

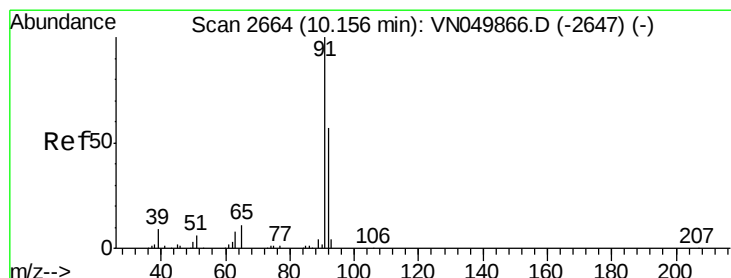
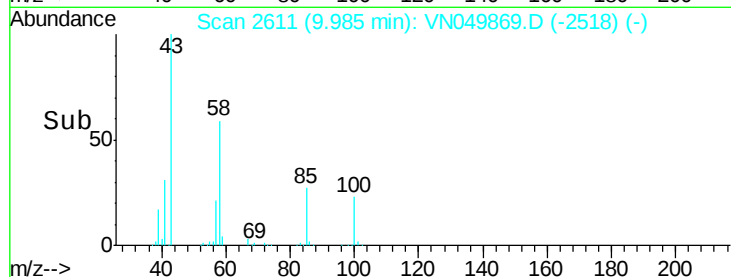
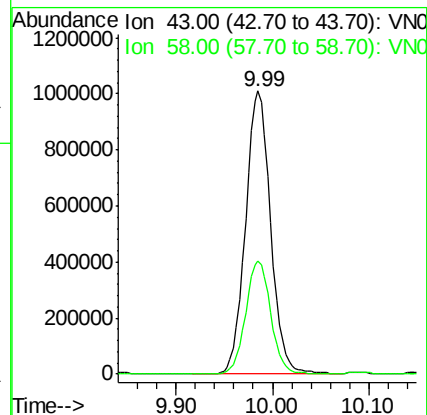
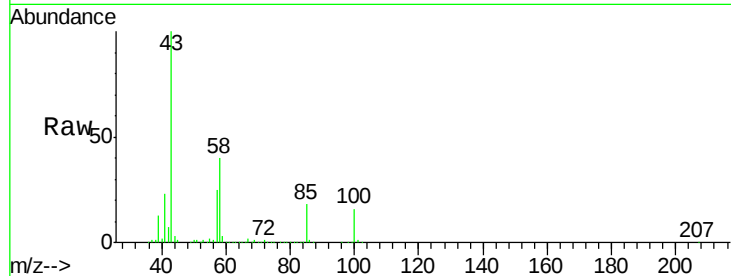
58 40.1 31.8 47.8

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#52

Toluene

Concen: 51.26 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049869.D

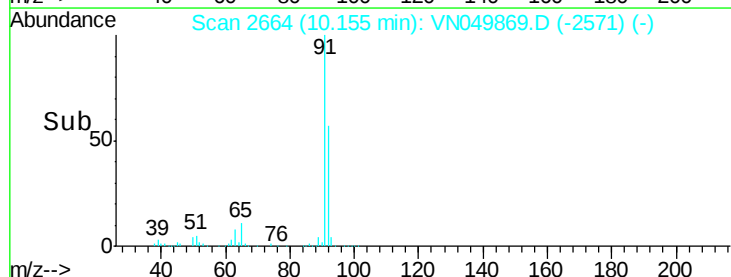
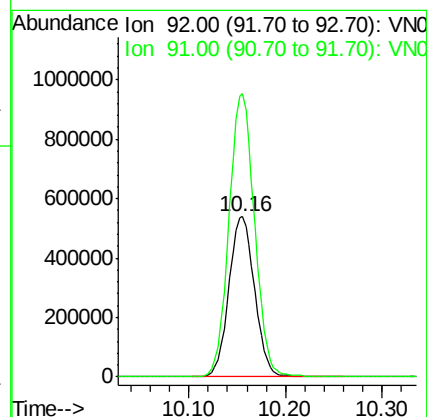
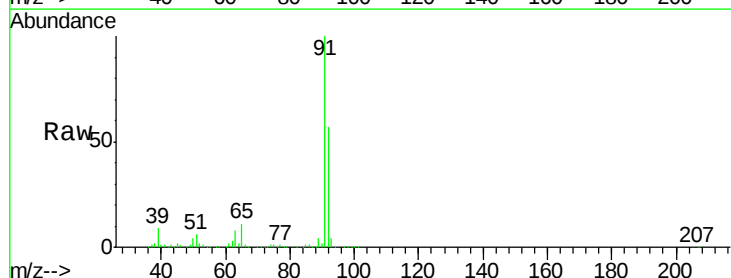
Acq: 18 Jul 2018 13:23

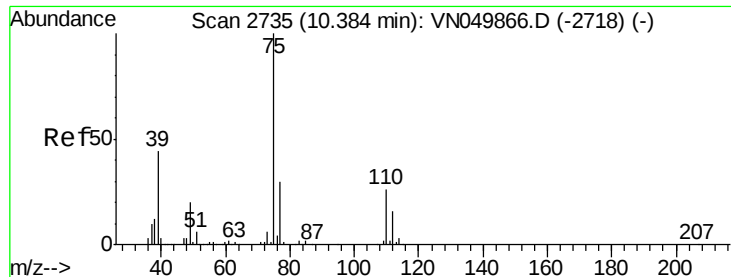
Tgt Ion: 92 Resp: 992827

Ion Ratio Lower Upper

92 100

91 176.5 140.1 210.1





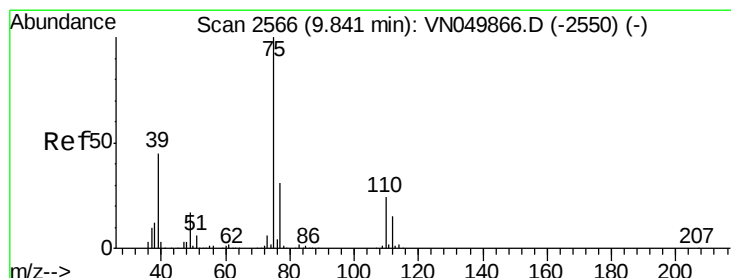
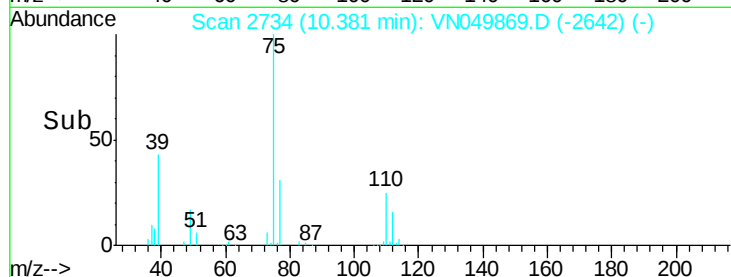
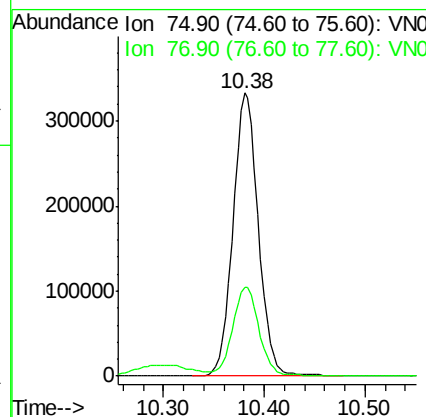
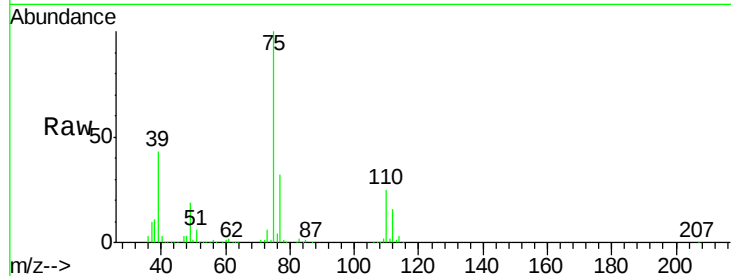
#53
t-1,3-Dichloropropene
Concen: 52.23 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.2	37.8

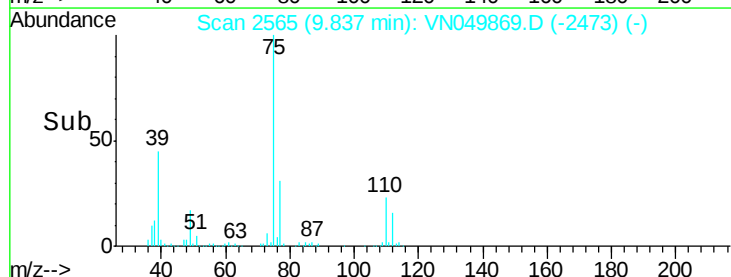
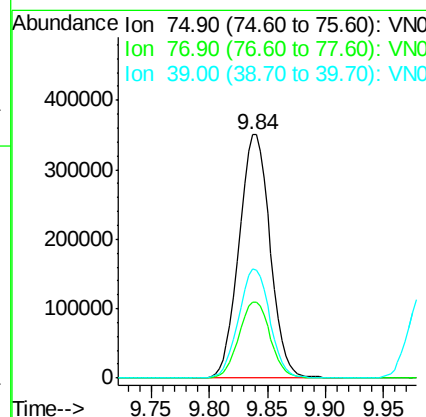
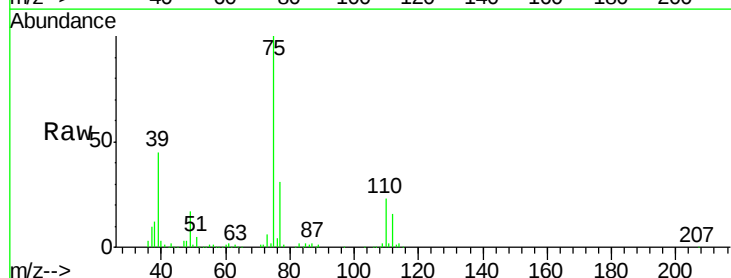
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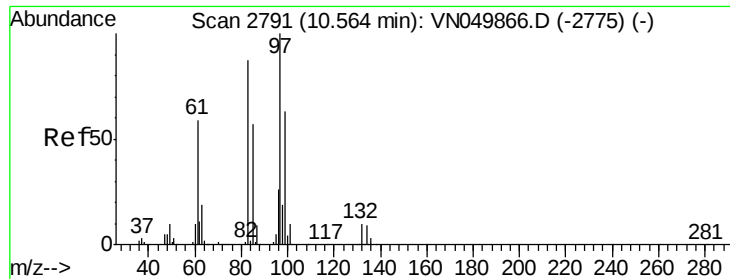
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#54
cis-1,3-Dichloropropene
Concen: 53.10 ug/l
RT: 9.84 min Scan# 2565
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.3	37.9
39	44.6	35.5	53.3





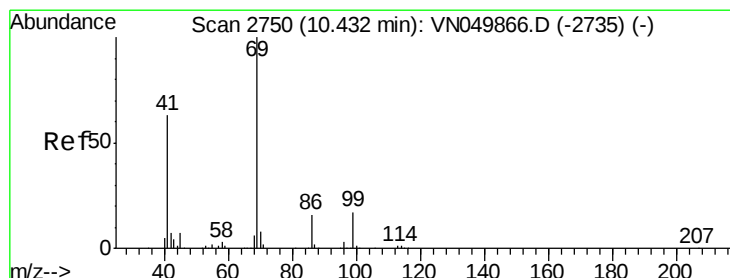
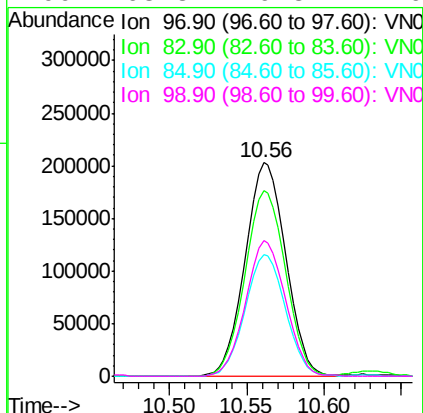
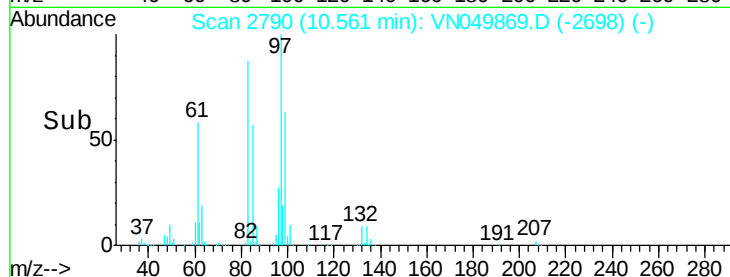
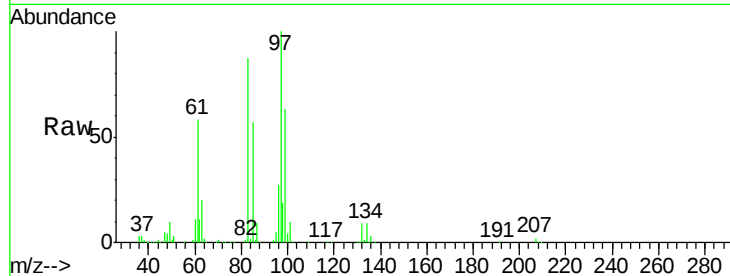
#55
 1,1,2-Trichloroethane
 Concen: 46.56 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071818

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		372566		
83	86.9	69.0	103.6		
85	57.1	44.9	67.3		
99	63.3	49.8	74.6		

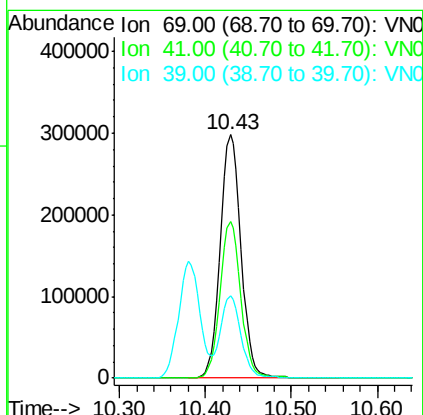
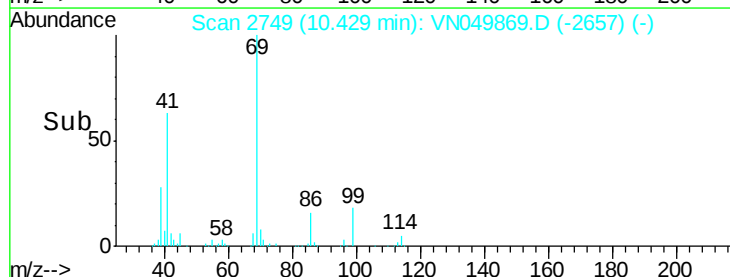
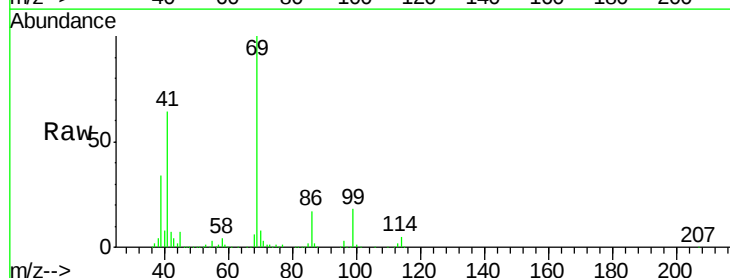
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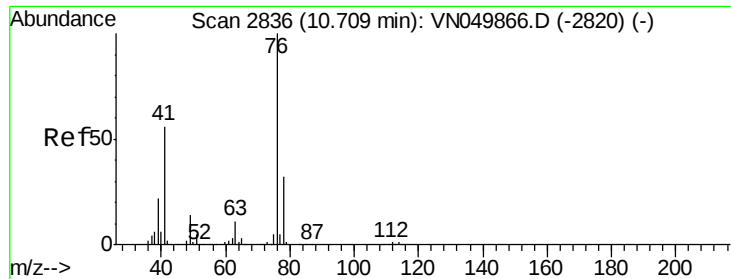
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#56
 Ethyl methacrylate
 Concen: 46.92 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		502639		
41	63.3	51.6	77.4		
39	33.4	25.8	38.8		





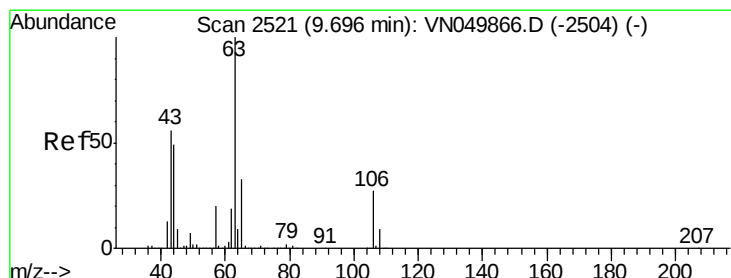
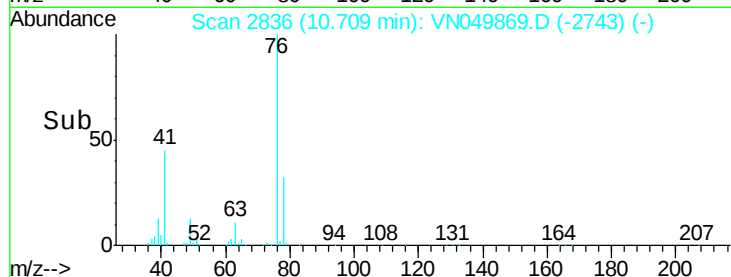
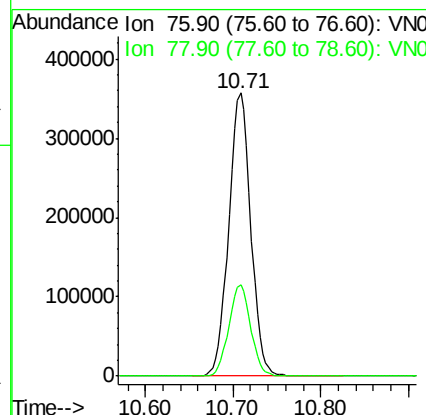
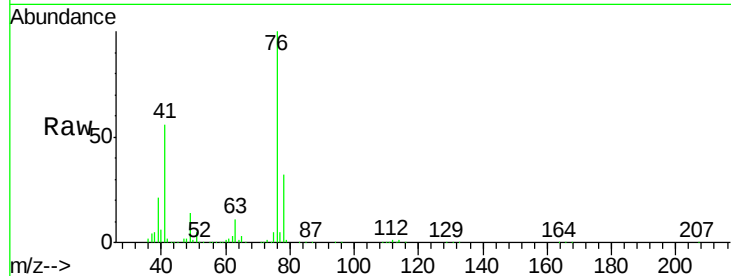
#57
 1,3-Dichloropropane
 Concen: 49.50 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071818

Tot Ion: 76 Resp: 623741
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.8 38.8

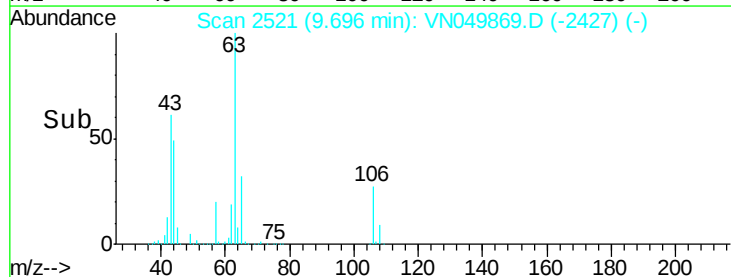
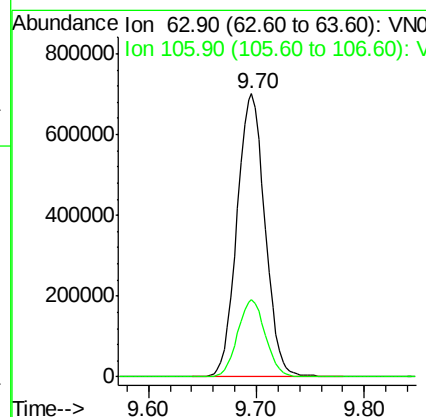
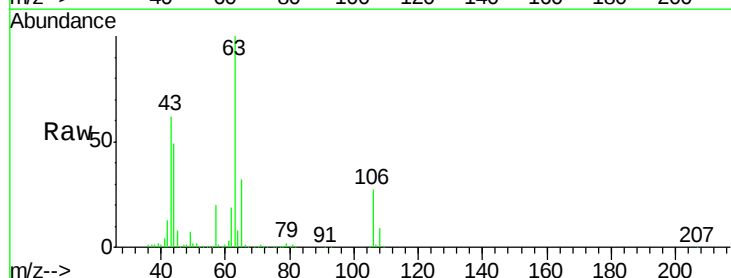
Manual Integrations
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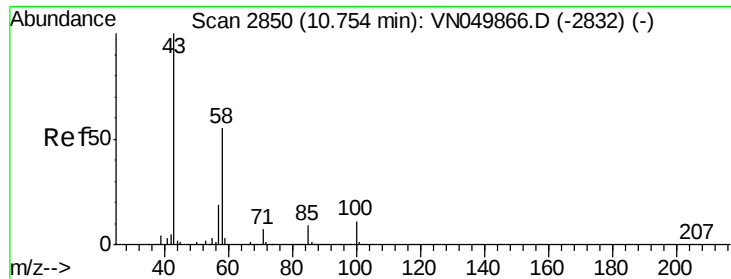
MMDadoda
 7/19/2018 4:28:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 295.90 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Tgt Ion: 63 Resp: 1261187
 Ion Ratio Lower Upper
 63 100
 106 27.2 21.8 32.8





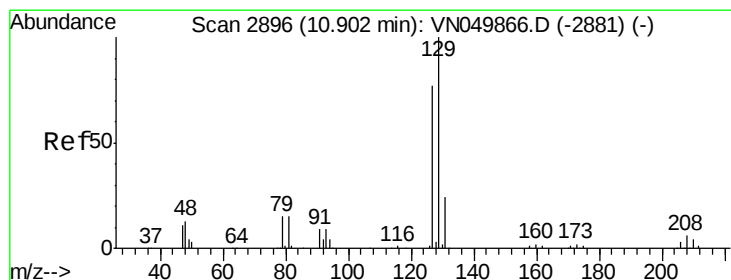
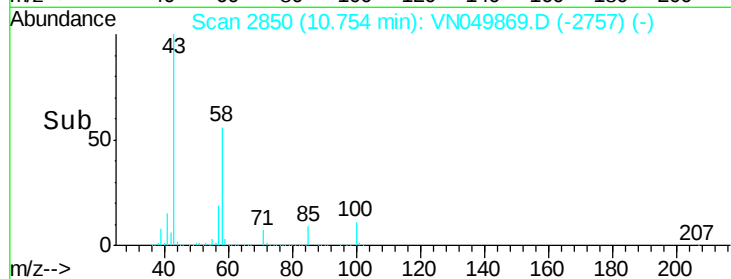
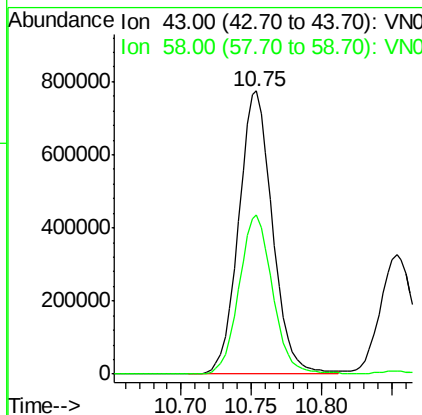
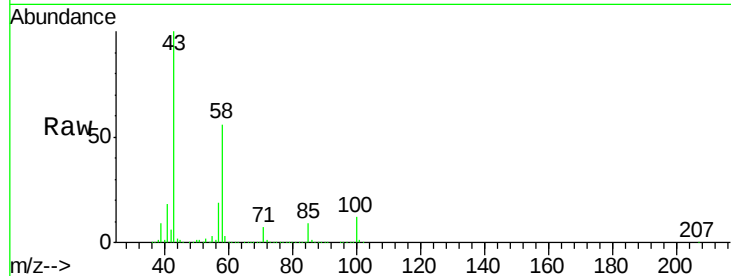
#59
2-Hexanone
Concen: 269.93 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion: 43 Resp: 1295261
Ion Ratio Lower Upper
43 100
58 56.2 27.8 83.4

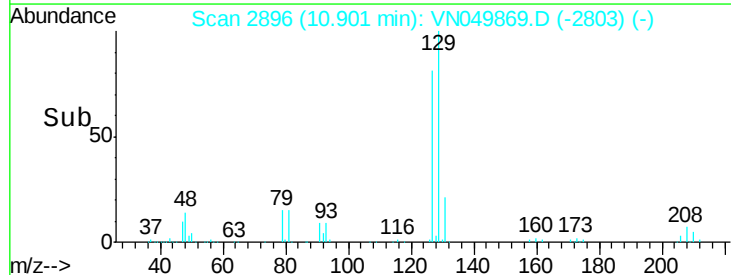
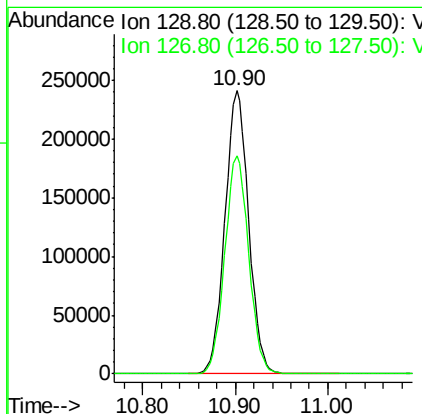
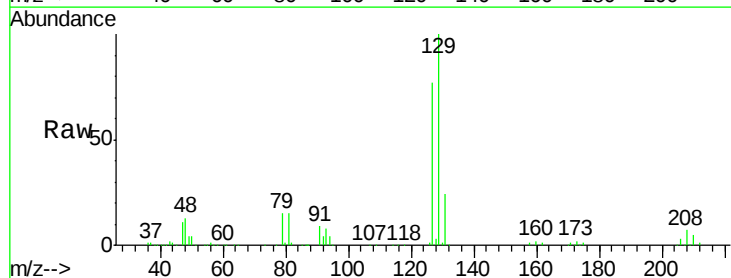
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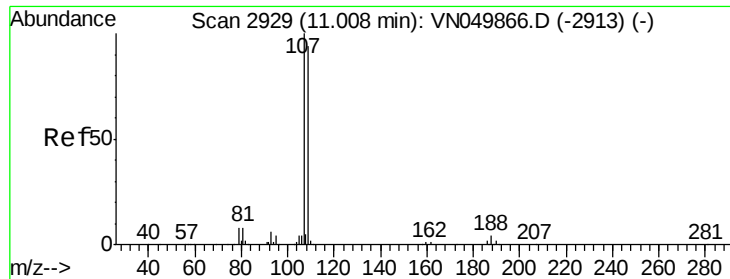
MMDadoda
7/19/2018 4:28:57 PM



#60
Dibromochloromethane
Concen: 48.63 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion: 129 Resp: 426644
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.9





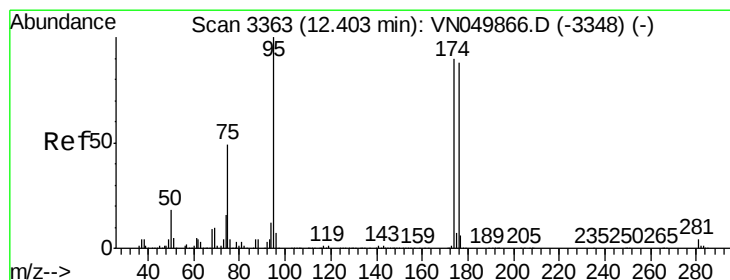
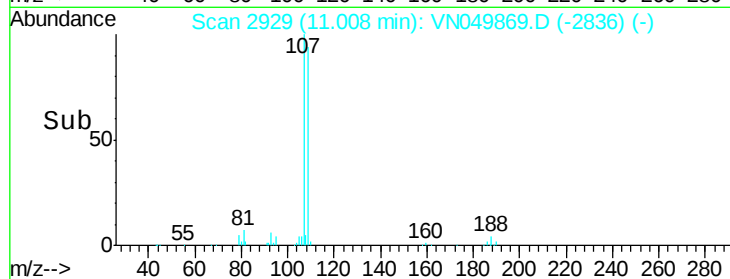
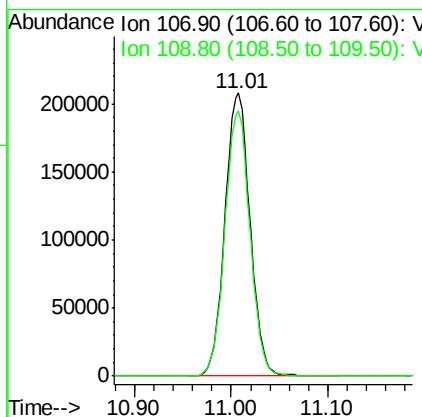
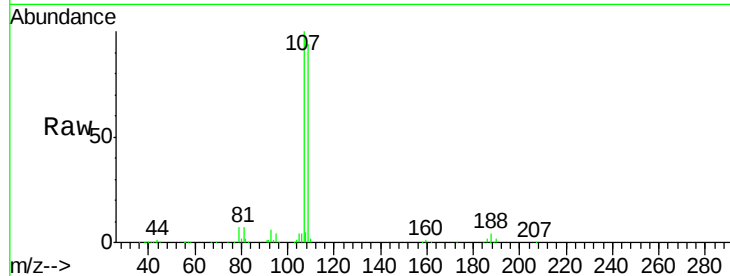
#61
 1,2-Dibromoethane
 Concen: 50.28 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN071818

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.0	112.6

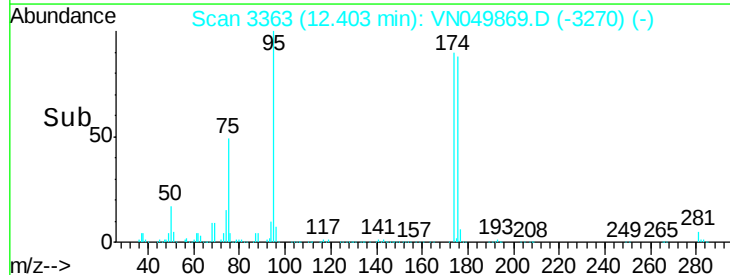
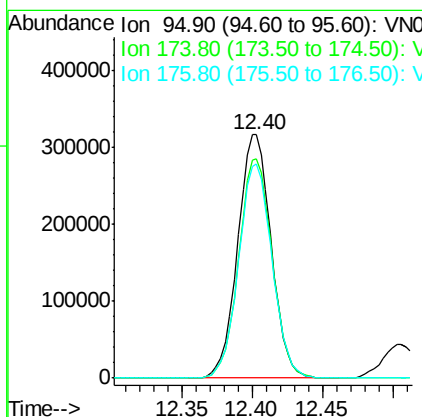
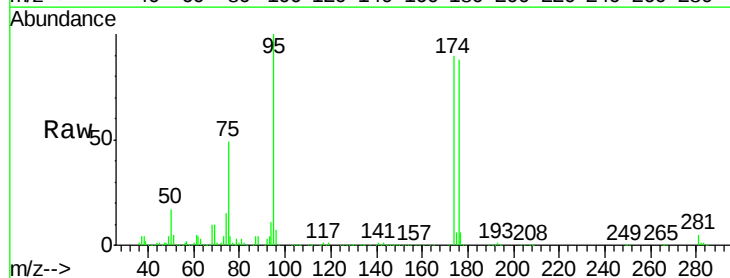
Manual Integrations
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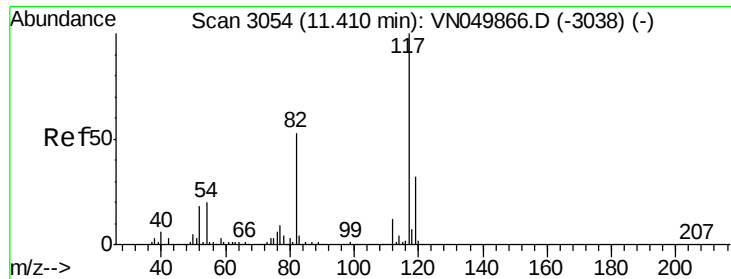
MMDadoda
 7/19/2018 4:28:57 PM



#62
 4-Bromofluorobenzene
 Concen: 52.14 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	179.6
176	87.7	0.0	174.0





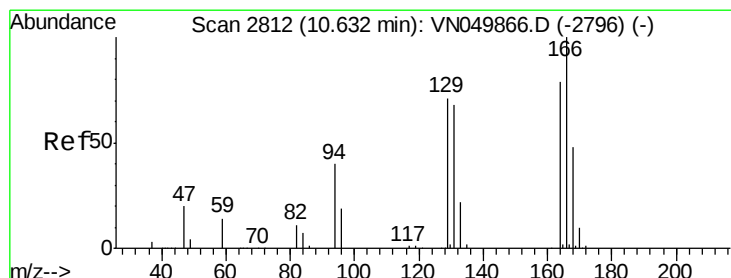
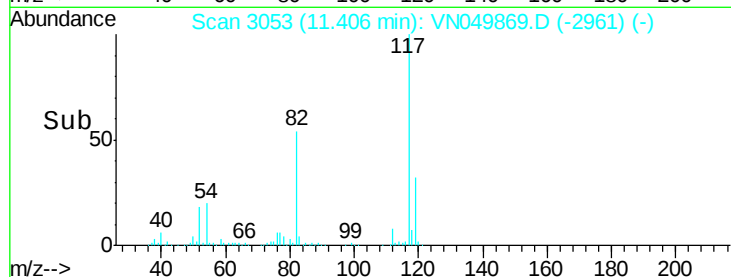
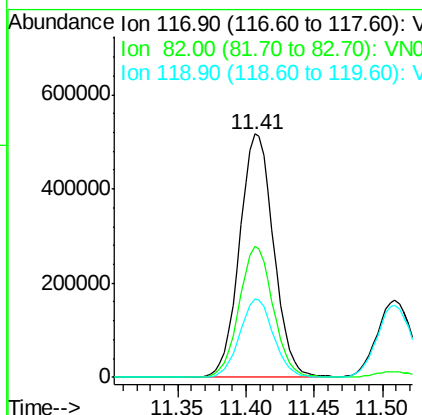
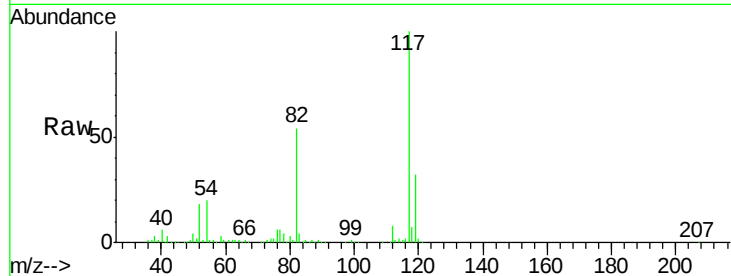
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	41.9	62.9
119	32.2	25.4	38.2

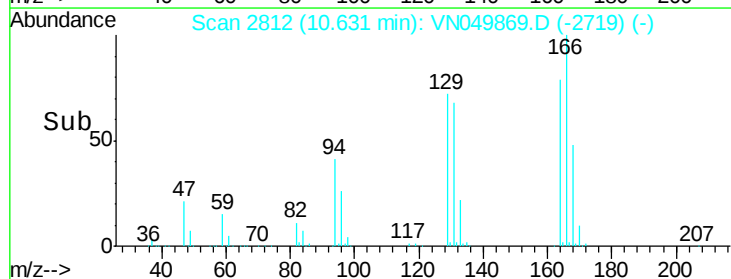
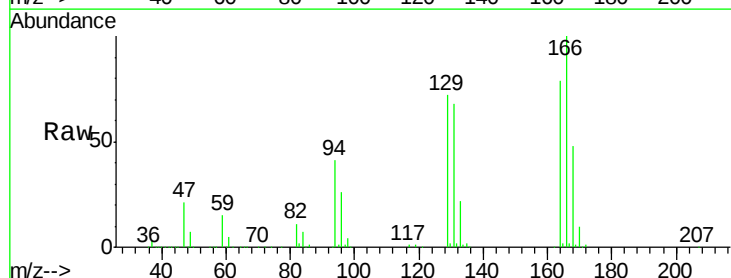
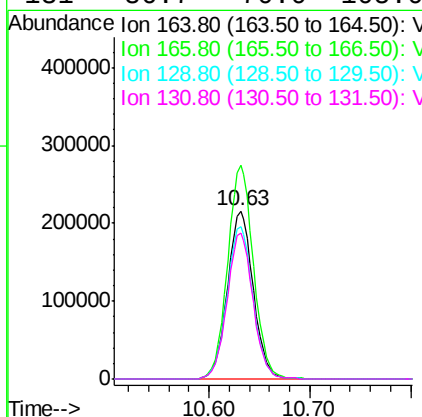
Manual Integrations
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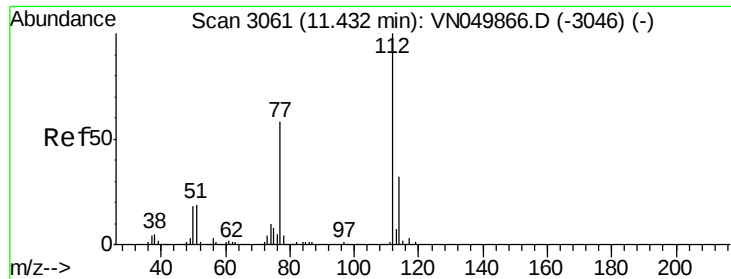
MMDadoda
7/19/2018 4:28:57 PM



#64
Tetrachloroethene
Concen: 47.60 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	101.8	152.6
129	91.1	72.8	109.2
131	86.7	70.0	105.0





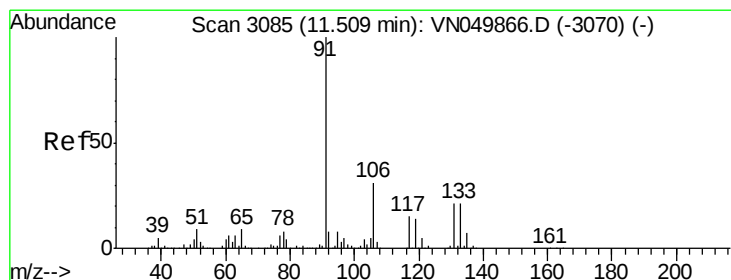
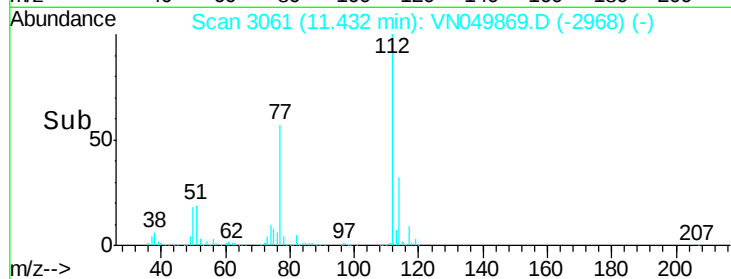
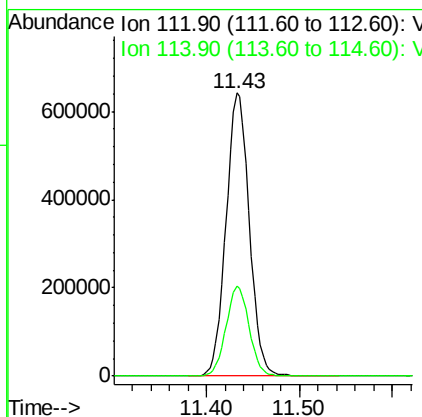
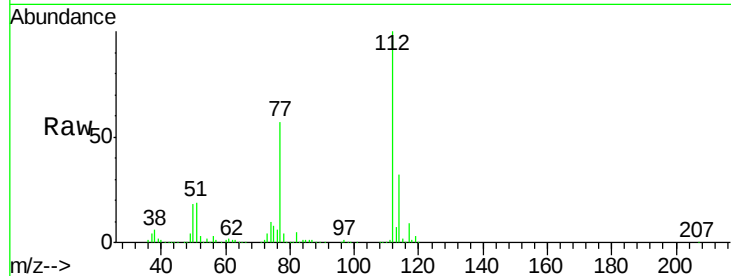
#65
Chlorobenzene
Concen: 49.45 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion:112 Resp: 1115397
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.0

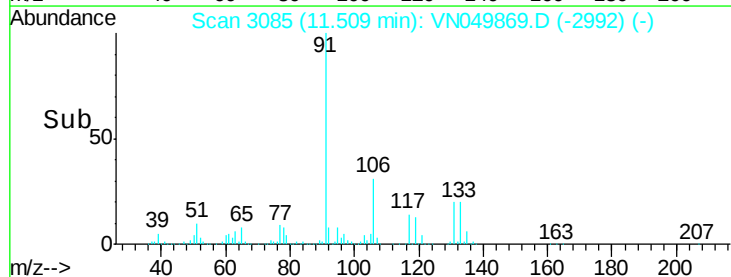
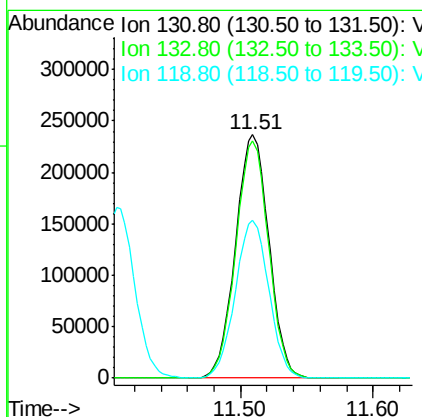
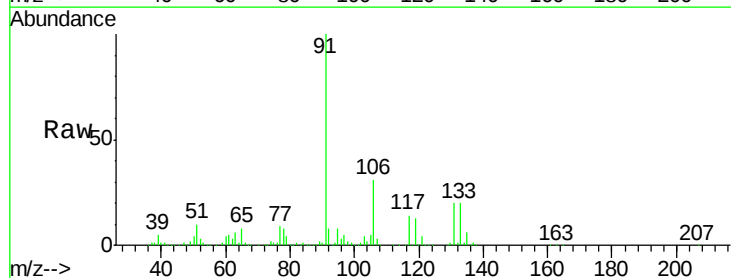
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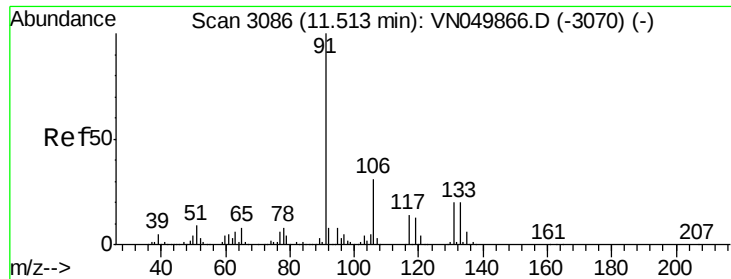
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.39 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion:131 Resp: 414053
Ion Ratio Lower Upper
131 100
133 96.0 47.5 142.6
119 65.2 33.1 99.3





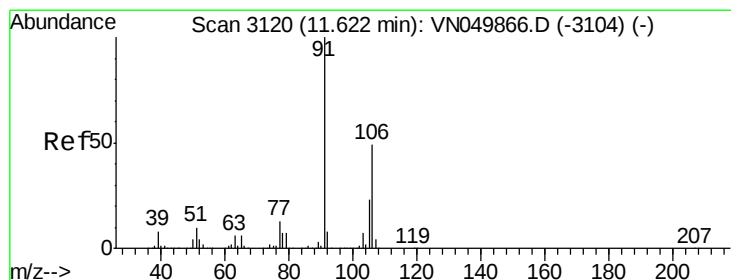
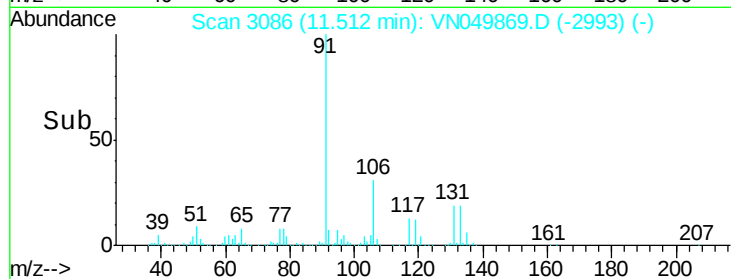
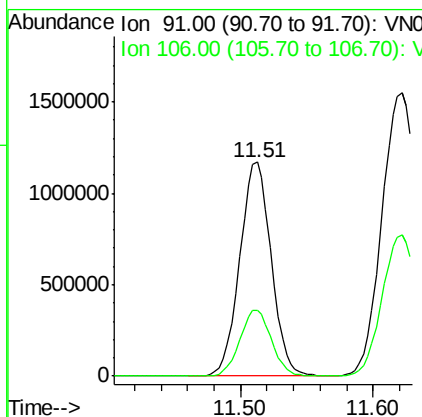
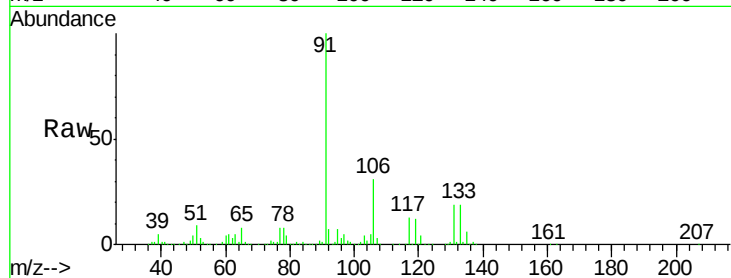
#67
Ethyl Benzene
Concen: 52.69 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion: 91 Resp: 1927949
Ion Ratio Lower Upper
91 100
106 31.0 24.8 37.2

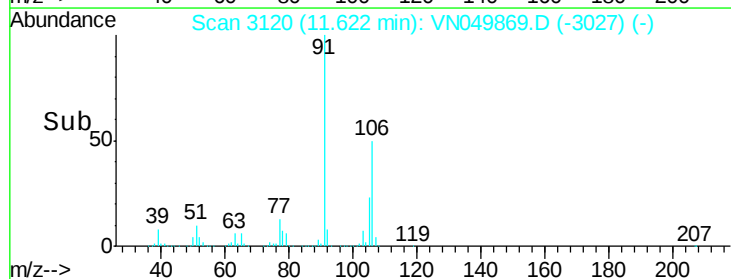
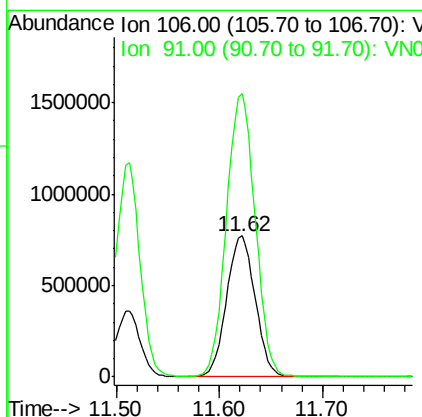
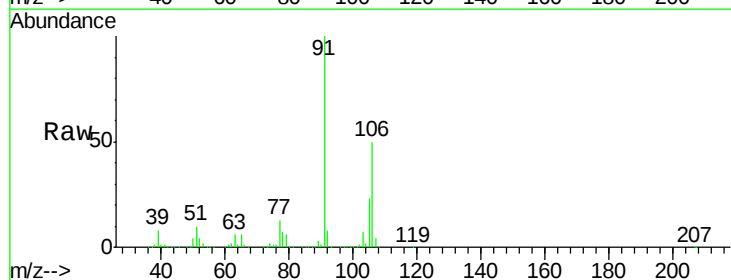
Manual Integrations
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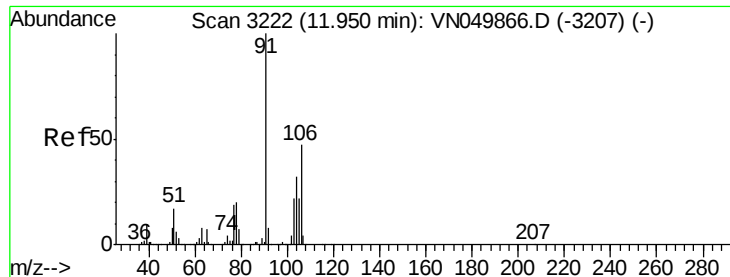
MMDadoda
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#68
m/p-Xylenes
Concen: 107.62 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion: 106 Resp: 1490603
Ion Ratio Lower Upper
106 100
91 202.2 163.4 245.2





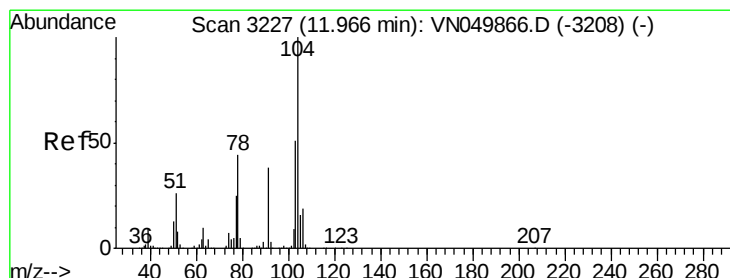
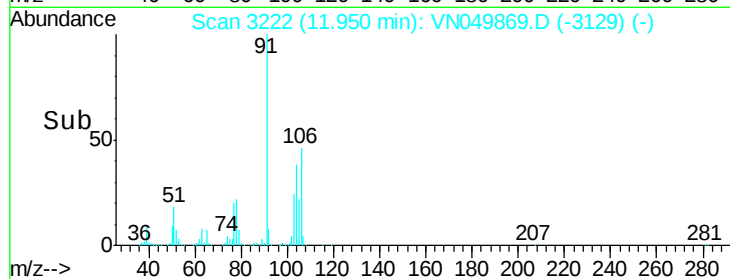
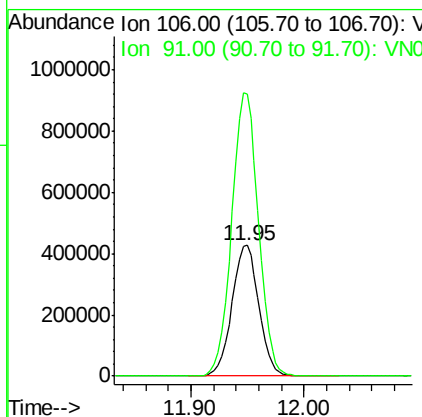
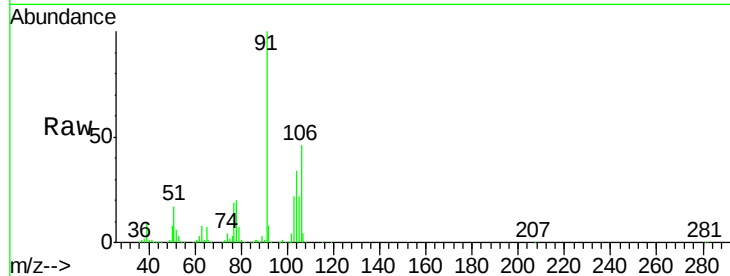
#69
o-Xylene
Concen: 52.97 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.2	108.7	326.1	

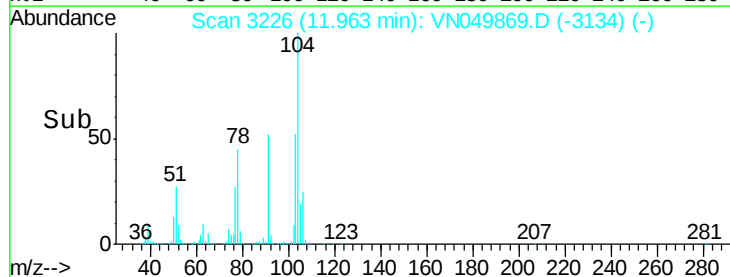
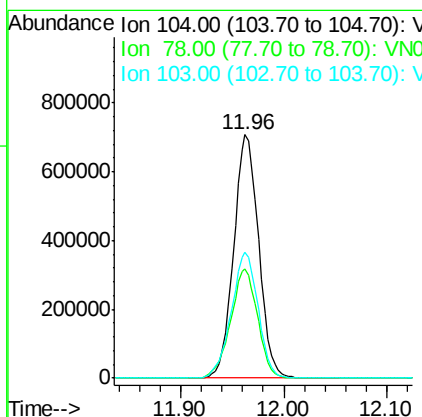
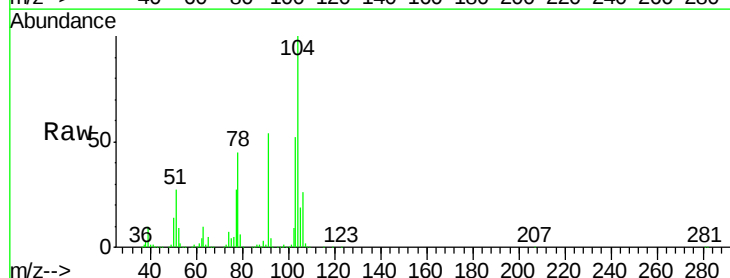
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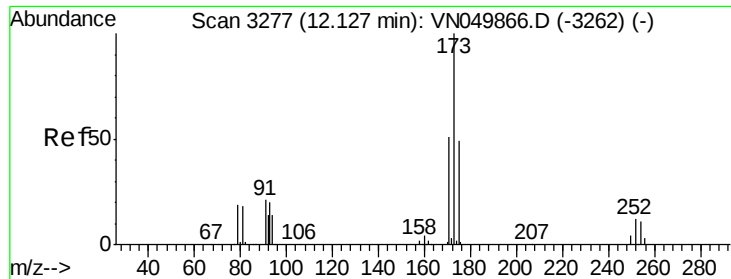
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#70
Styrene
Concen: 55.43 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.5	39.2	58.8	
103	55.4	44.6	67.0	





#71

Bromoform

Concen: 49.39 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071818

Tot Ion:173 Resp: 308688

Ion Ratio Lower Upper

173 100

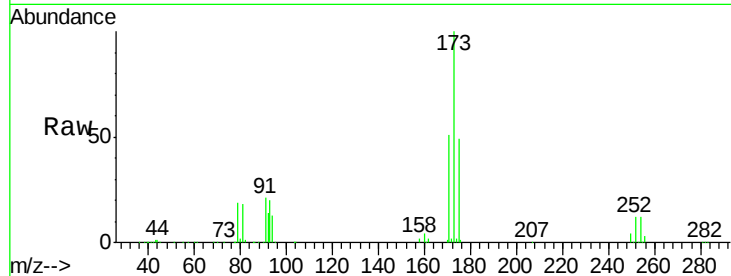
175 48.4 24.6 73.8

254 0.1 0.2 0.2#

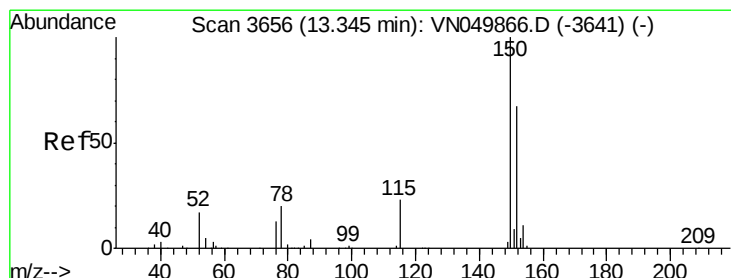
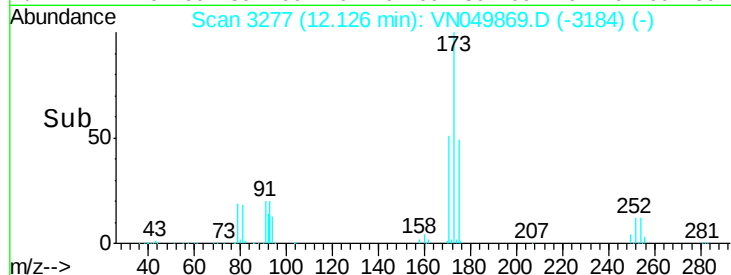
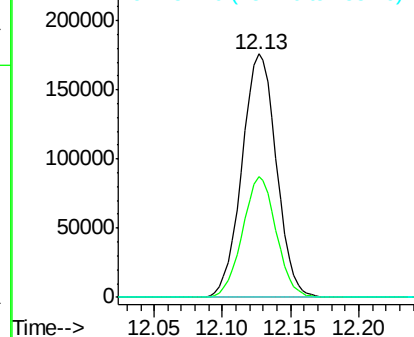
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

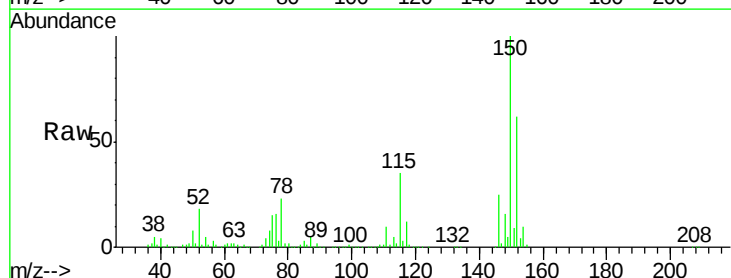
Tgt Ion:152 Resp: 487758

Ion Ratio Lower Upper

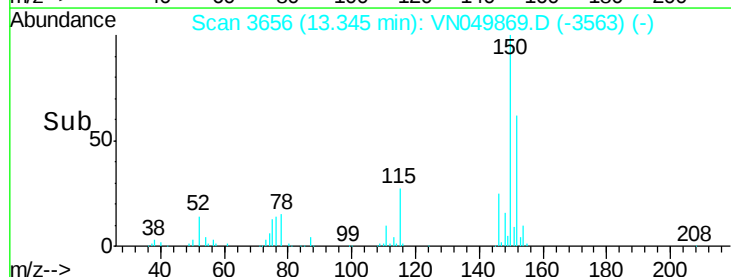
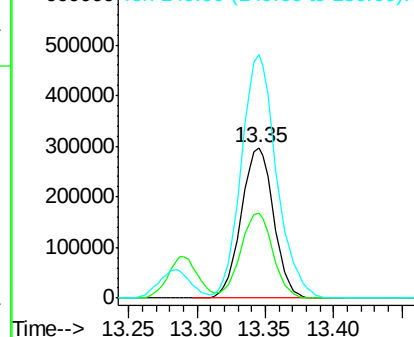
152 100

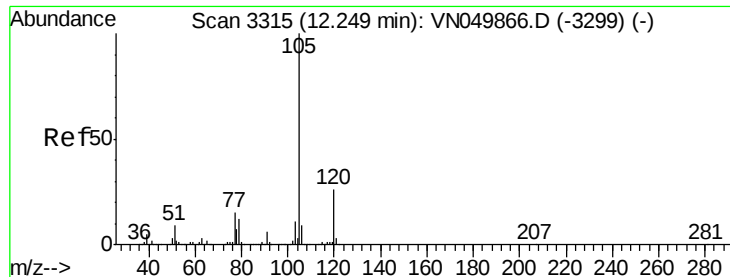
115 56.6 28.1 84.2

150 176.5 0.0 347.6



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





#73

Isopropylbenzene

Concen: 51.88 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN071818

Tot Ion:105 Resp: 1922244

Ion Ratio Lower Upper

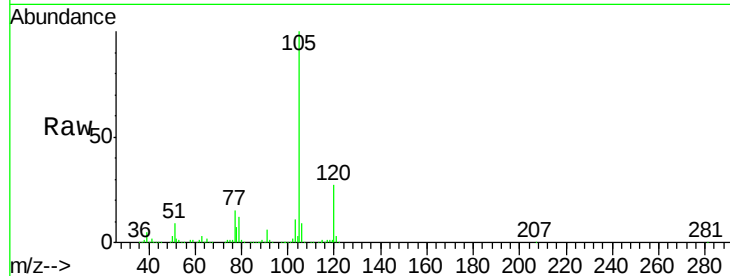
105 100

120 26.5 13.3 39.8

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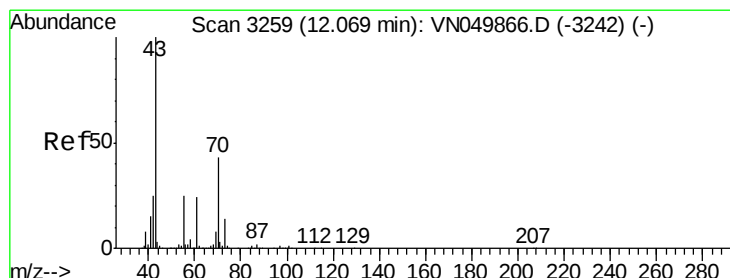
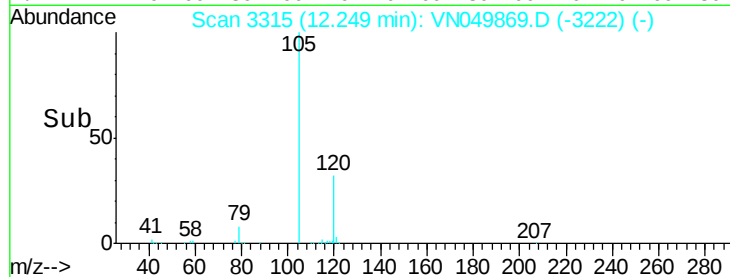
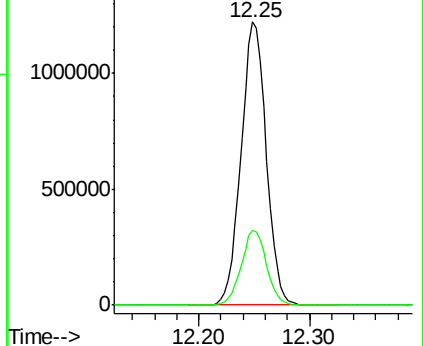
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.09 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Tgt Ion: 43 Resp: 576217

Ion Ratio Lower Upper

43 100

70 43.0 34.8 52.2

55 26.0 20.9 31.3

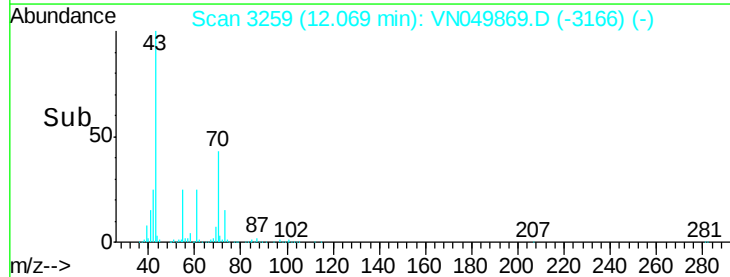
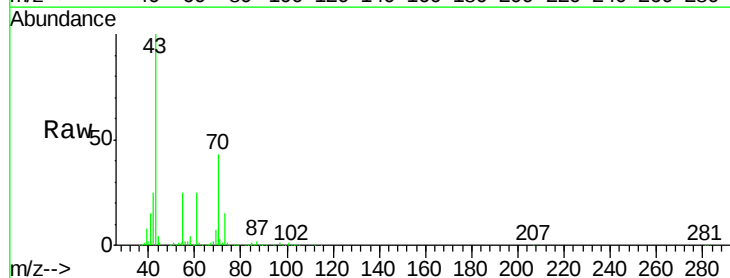
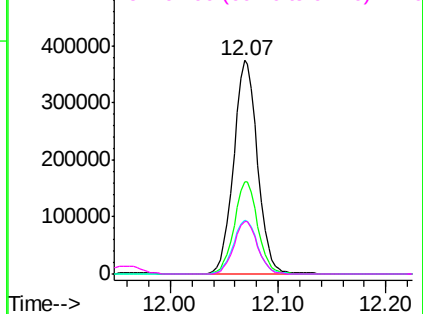
61 24.7 19.9 29.9

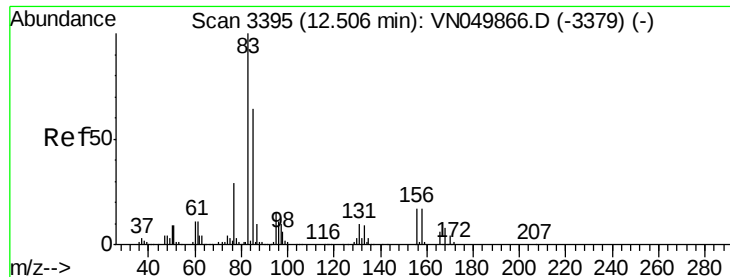
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 43.92 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071818

Tot Ion: 83 Resp: 487602

Ion Ratio Lower Upper

83 100

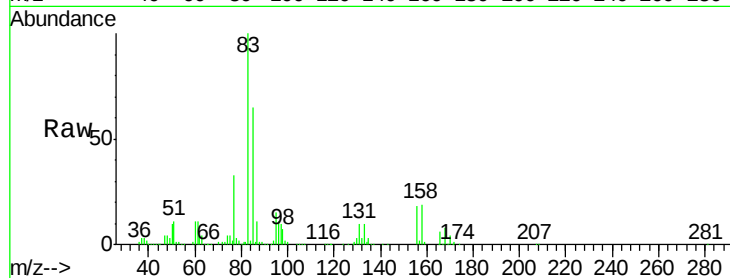
131 10.6 5.2 15.6

85 64.8 32.5 97.4

Manual Integrations
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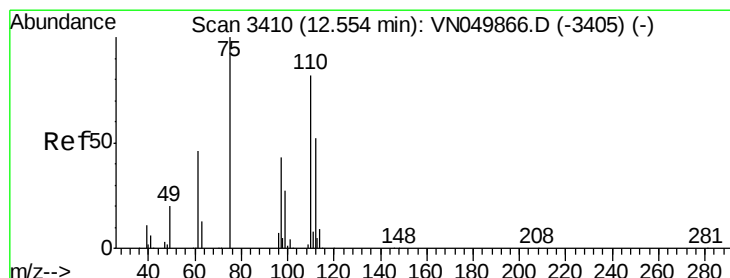
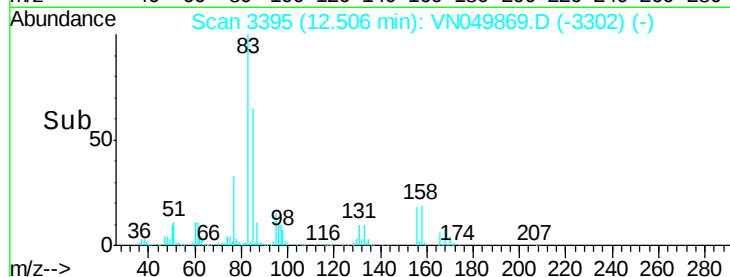
Abundance Ion 82.90 (82.60 to 83.60): VN049869.D (-3302) (-)

Ion 130.80 (130.50 to 131.50): VN049869.D (-3302) (-)

Ion 84.90 (84.60 to 85.60): VN049869.D (-3302) (-)

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 48.76 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049869.D

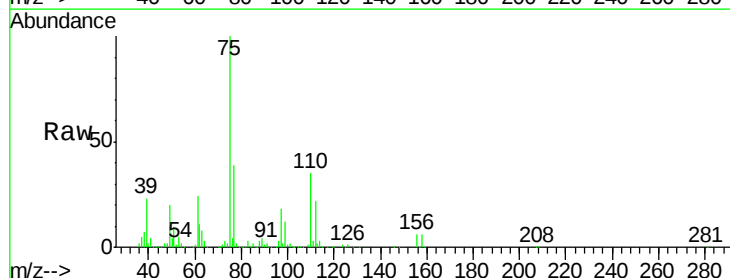
Acq: 18 Jul 2018 13:23

Tgt Ion: 75 Resp: 446149

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

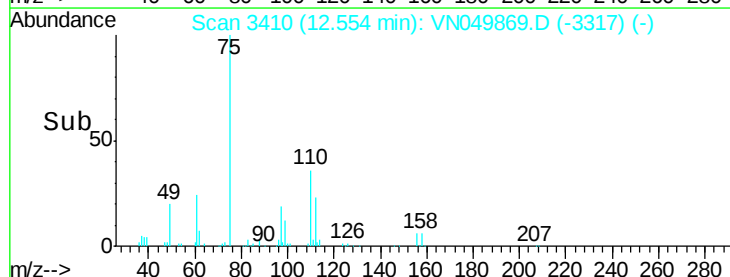


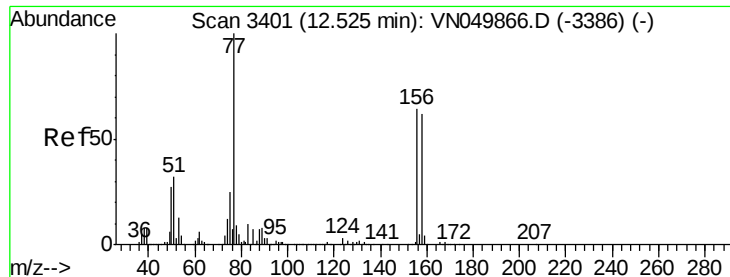
Abundance Ion 74.90 (74.60 to 75.60): VN049869.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN049869.D (-3317) (-)

12.55

Time-->





#77

Bromobenzene

Concen: 48.42 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN071818

Tot Ion:156 Resp: 495385

Ion Ratio Lower Upper

156 100

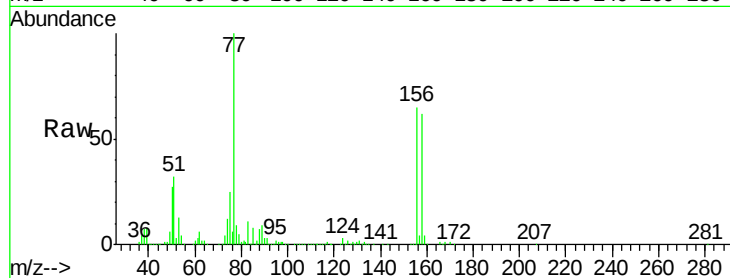
77 184.5 90.2 270.6

158 97.3 49.1 147.3

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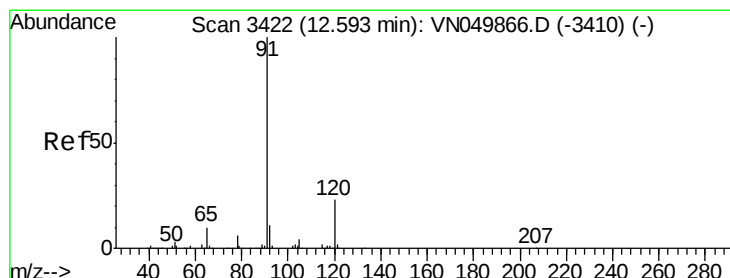
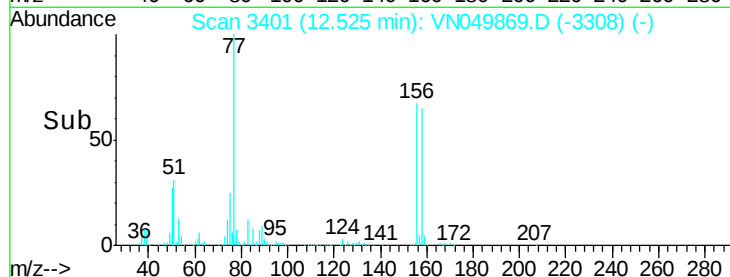
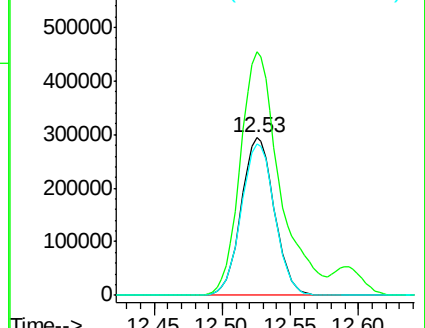
7/19/2018 4:28:57 PM



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: 53.78 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049869.D

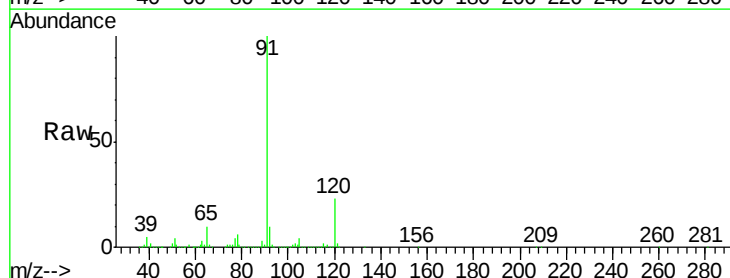
Acq: 18 Jul 2018 13:23

Tgt Ion: 91 Resp: 2265267

Ion Ratio Lower Upper

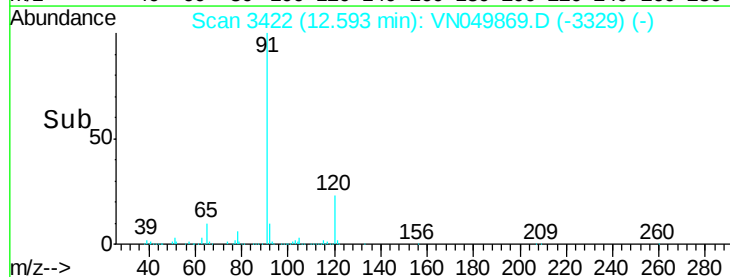
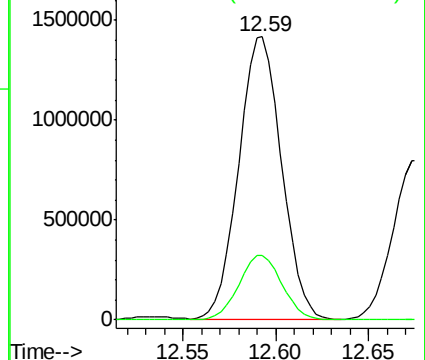
91 100

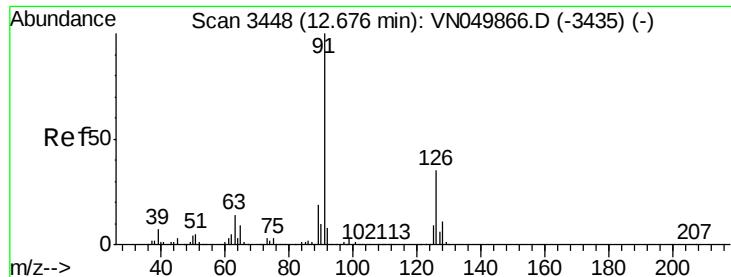
120 23.0 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.86 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampled :

ICVVN071818

Tot Ion: 91 Resp: 1315551

Ion Ratio Lower Upper

91 100

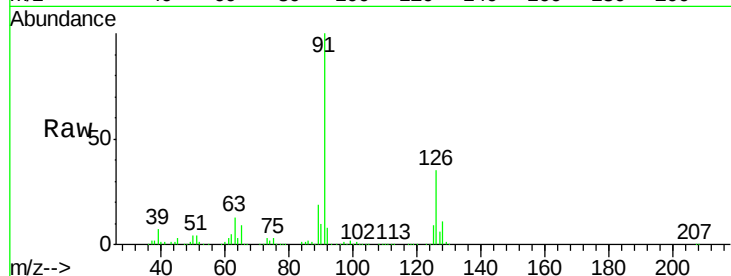
126 35.3 17.5 52.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049869.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049869.D (-3355) (-)

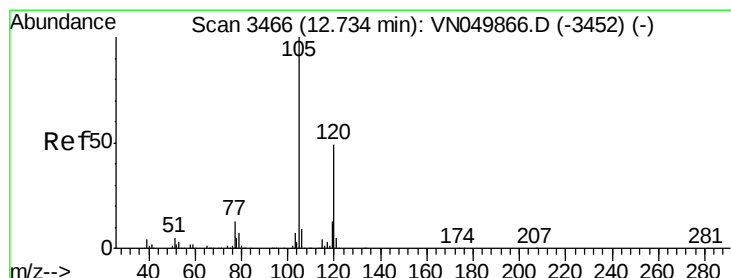
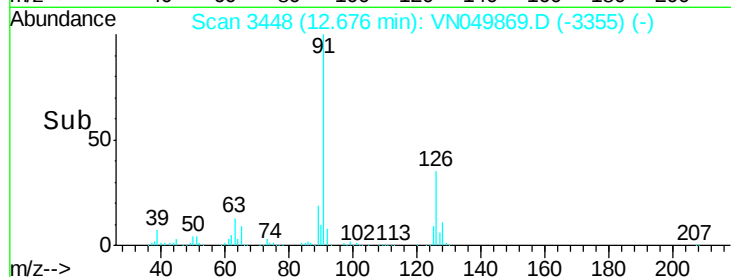
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 53.83 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049869.D

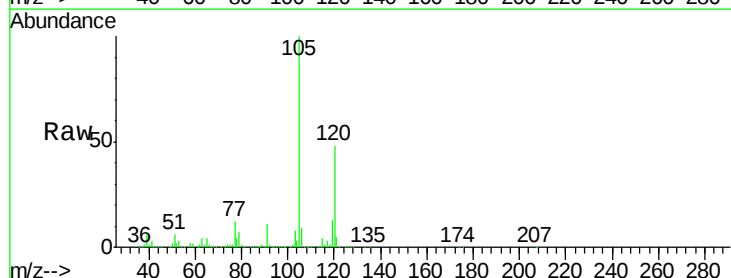
Acq: 18 Jul 2018 13:23

Tgt Ion:105 Resp: 1598451

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049869.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049869.D (-3373) (-)

1200000

1000000

800000

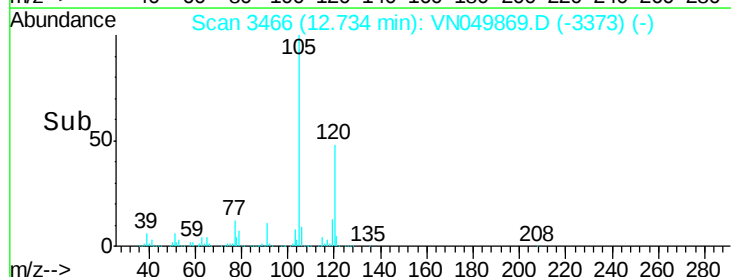
600000

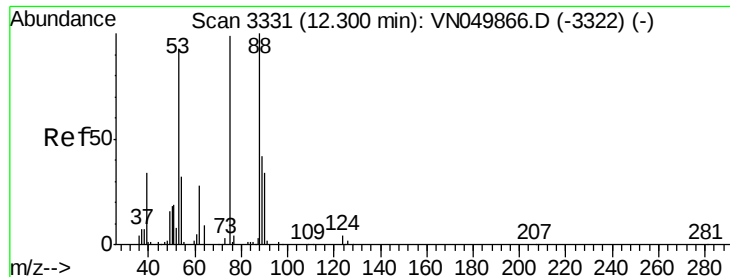
400000

200000

0

Time--> 12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 50.30 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

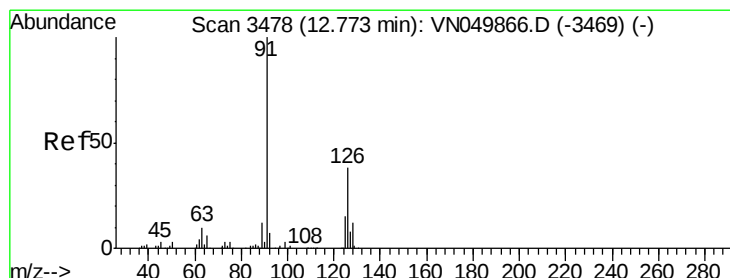
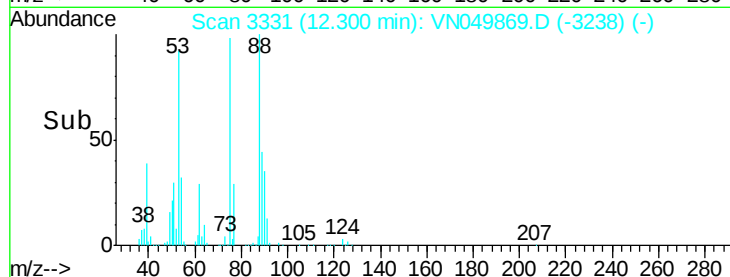
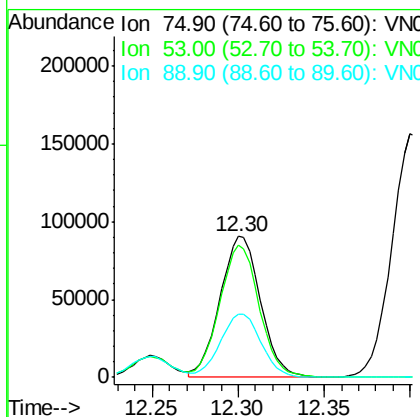
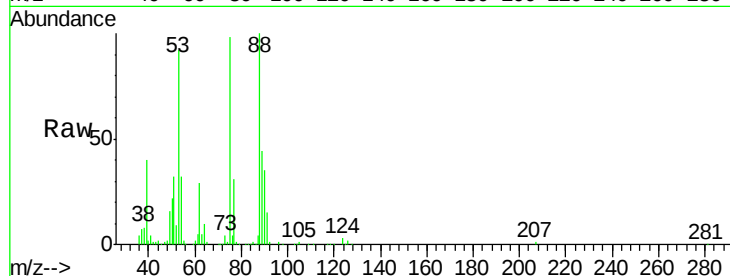
ClientSampleId :

ICVVN071818

Tot Ion:	75	Resp:	147194
Ion	Ratio	Lower	Upper
75	100		
53	93.3	73.9	110.9
89	46.3	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.41 ug/l

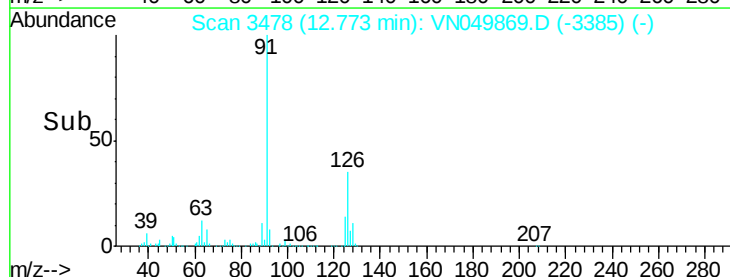
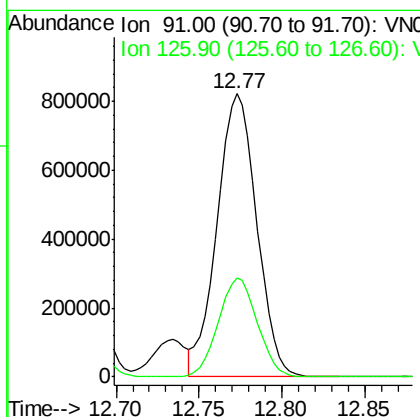
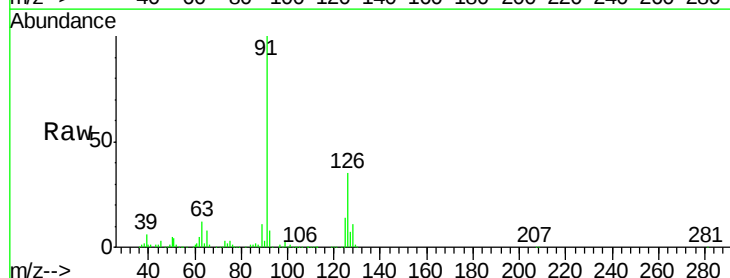
RT: 12.77 min Scan# 3478

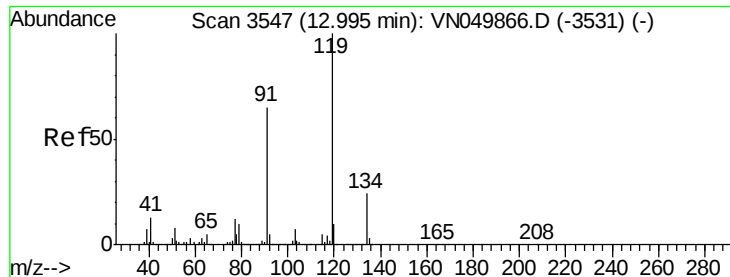
Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Tgt Ion:	91	Resp:	1359939
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.6





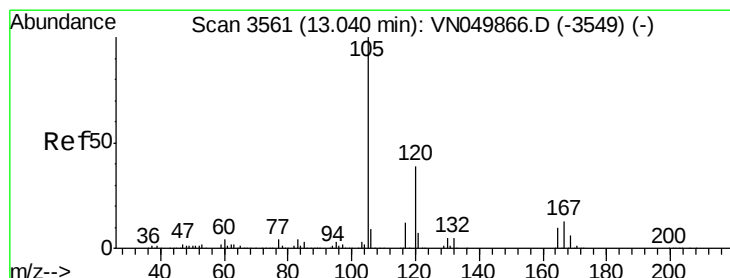
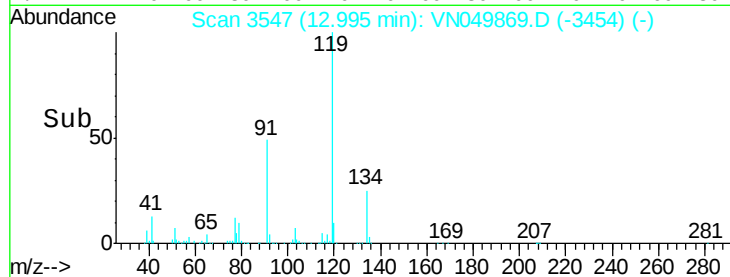
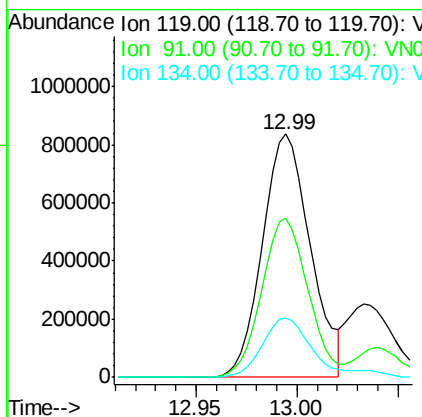
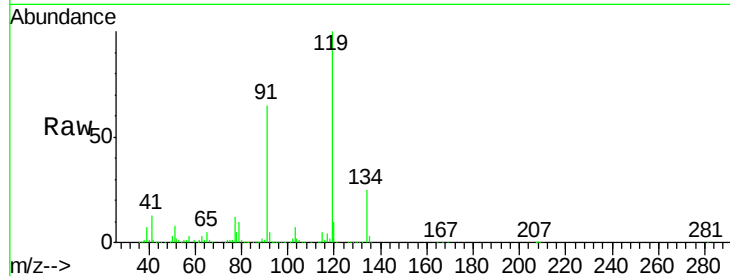
#83
 tert-Butylbenzene
 Concen: 53.25 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN071818

Tot Ion:119 Resp: 1388646
 Ion Ratio Lower Upper
 119 100
 91 63.2 32.0 96.2
 134 26.2 12.8 38.4

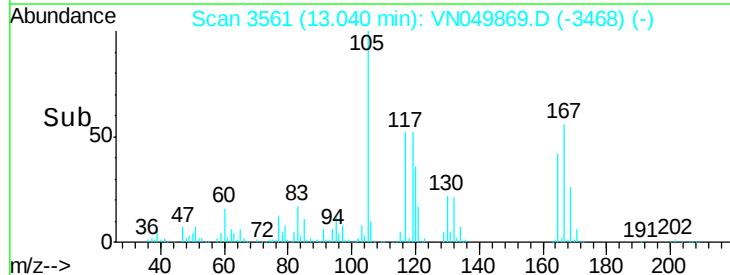
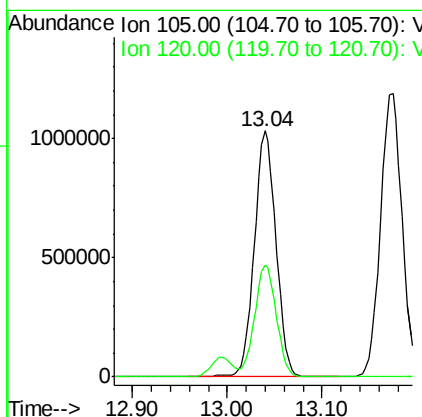
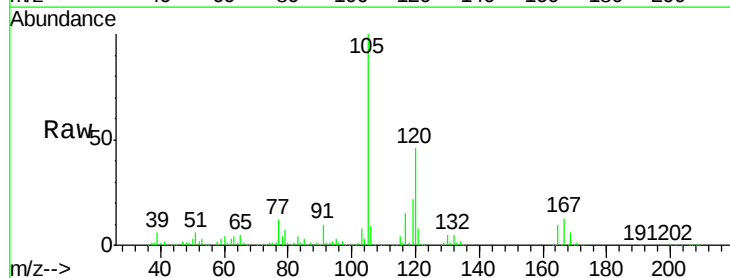
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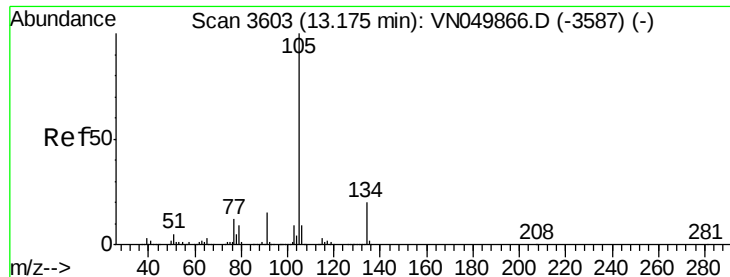
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.51 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049869.D
 Acq: 18 Jul 2018 13:23

Tgt Ion:105 Resp: 1639656
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 54.39 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071818

Tot Ion:105 Resp: 1874337

Ion Ratio Lower Upper

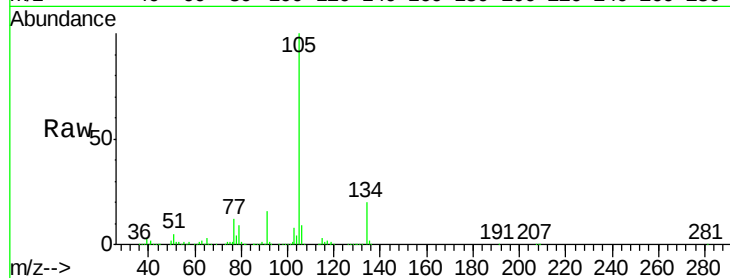
105 100

134 20.3 10.1 30.1

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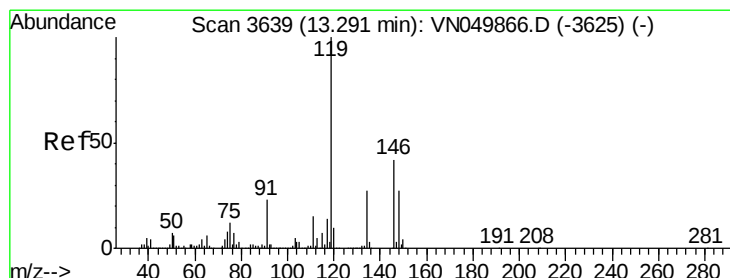
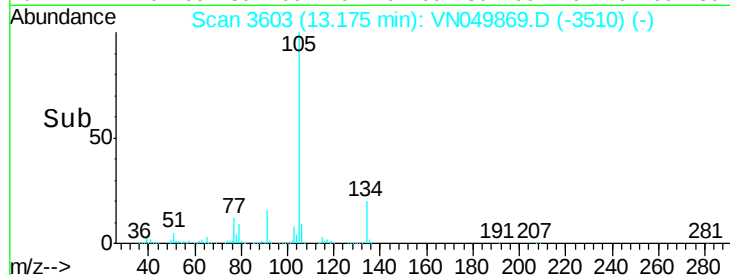
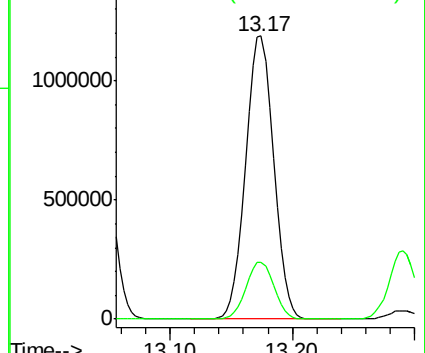
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 55.70 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

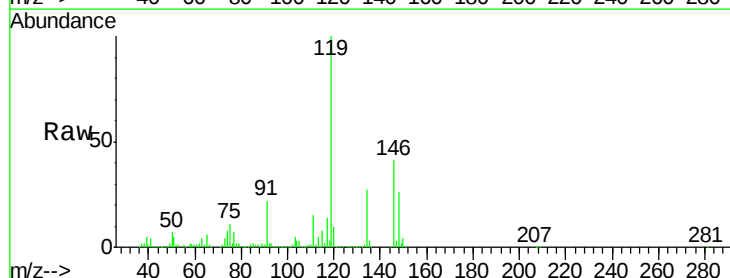
Tgt Ion:119 Resp: 1636462

Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.9

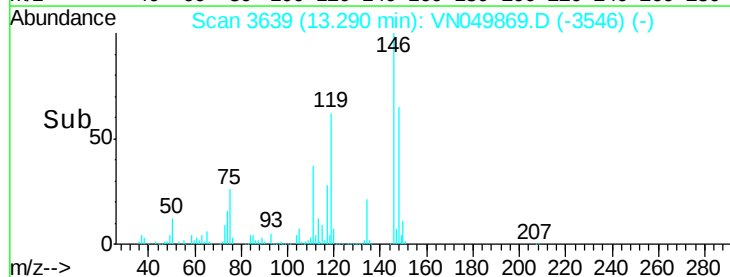
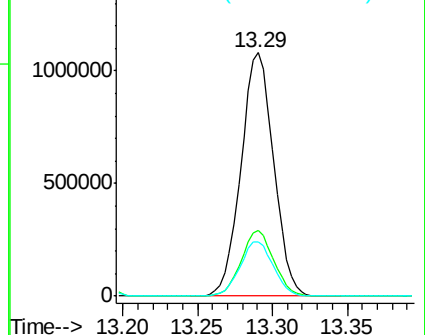
91 22.8 11.4 34.1

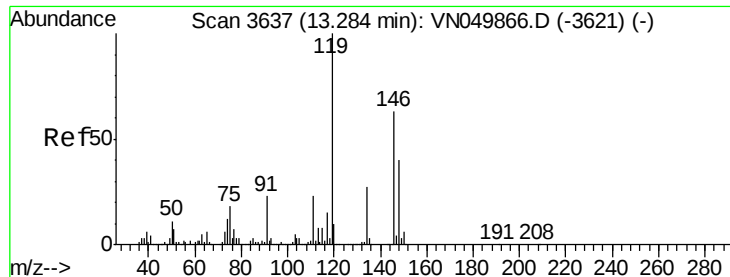


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.67 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN049869.D

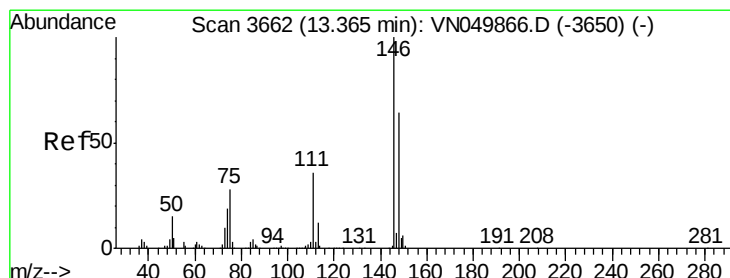
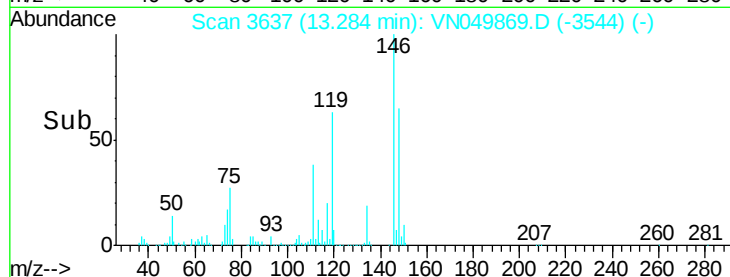
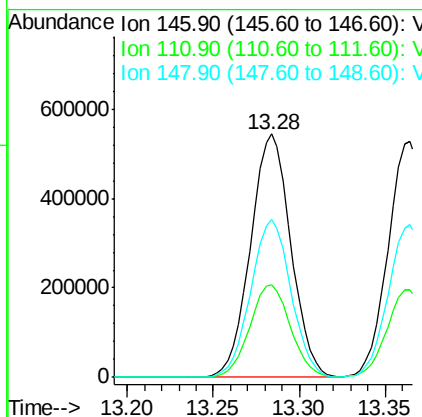
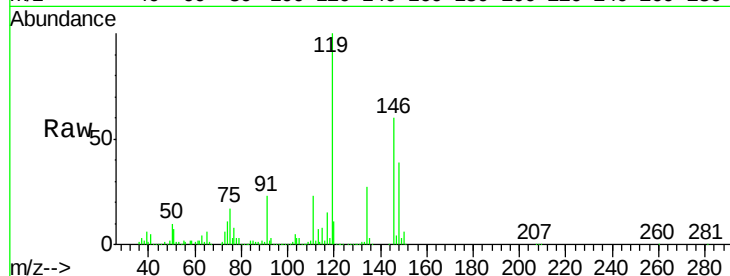
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.0	57.0
148	64.6	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.96 ug/l

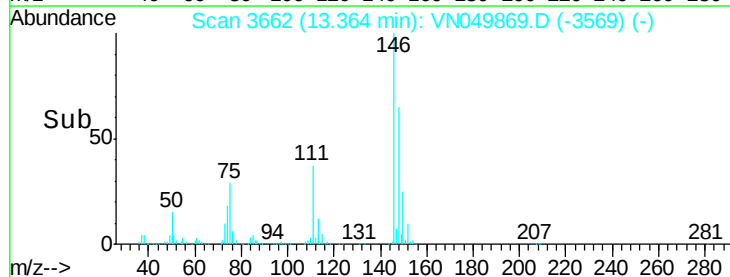
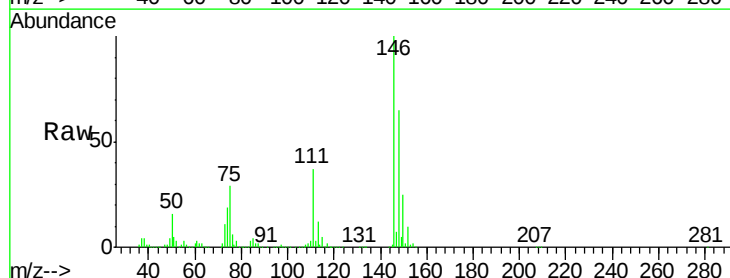
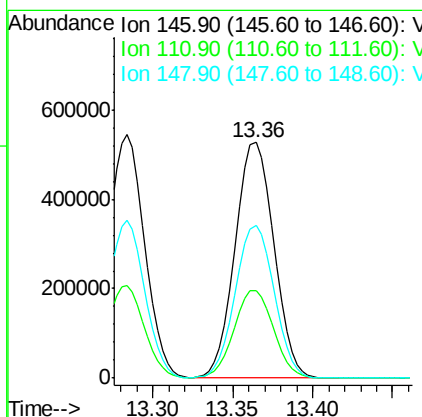
RT: 13.36 min Scan# 3662

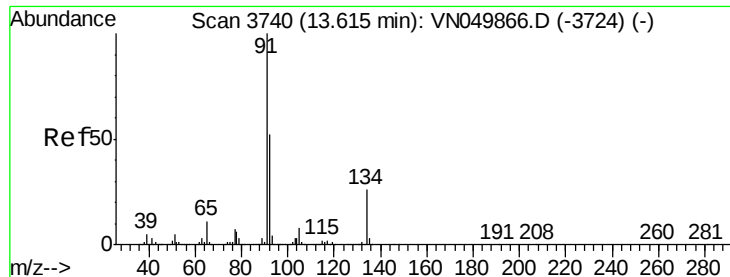
Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.5
148	64.8	32.1	96.3





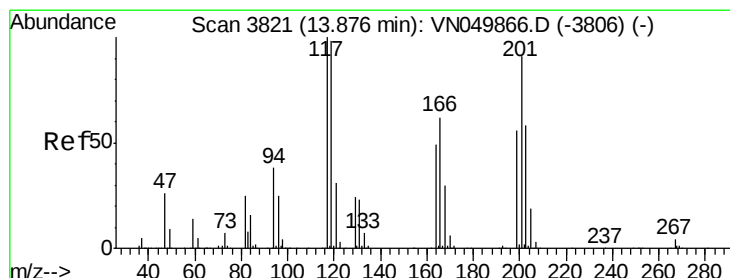
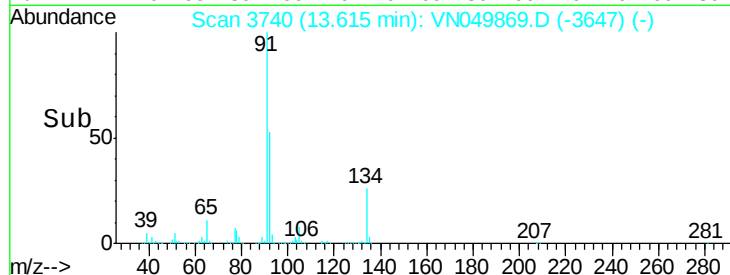
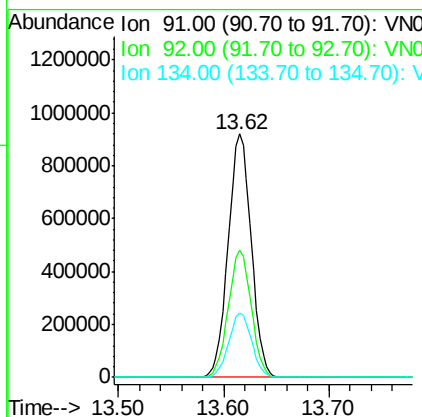
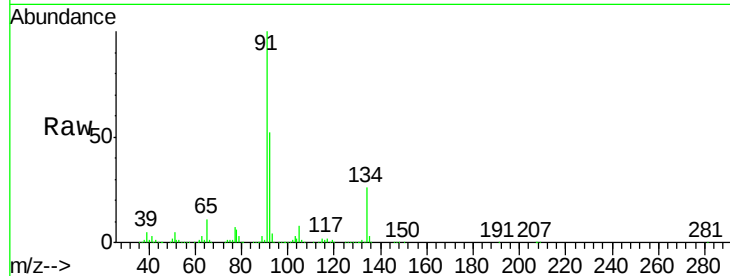
#89
n-Butylbenzene
Concen: 57.18 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Instrument :
MSVOA_N
ClientSampleId :
ICVVN071818

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

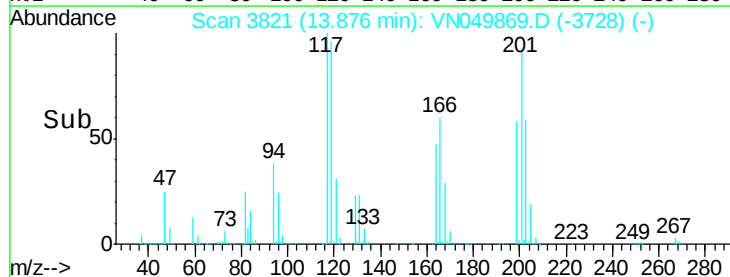
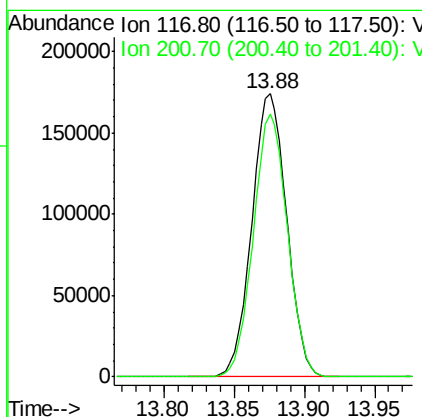
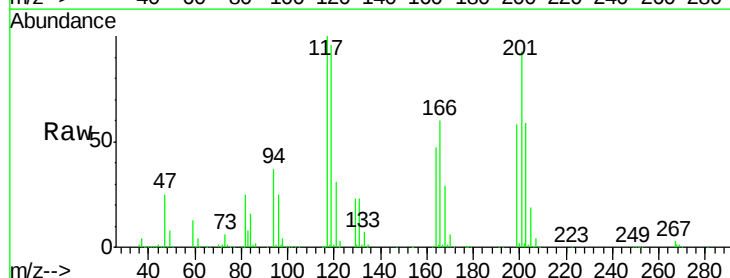
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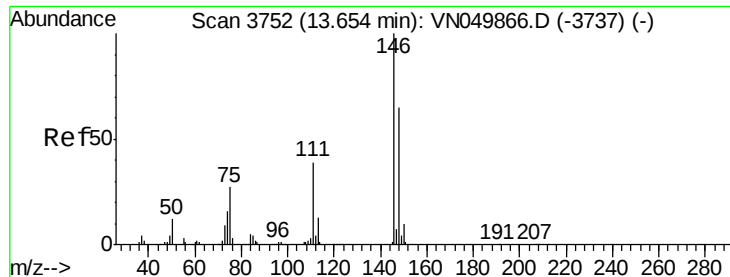
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#90
Hexachloroethane
Concen: 45.63 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN049869.D
Acq: 18 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	45.3	135.8





#91

1,2-Dichlorobenzene

Concen: 48.81 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

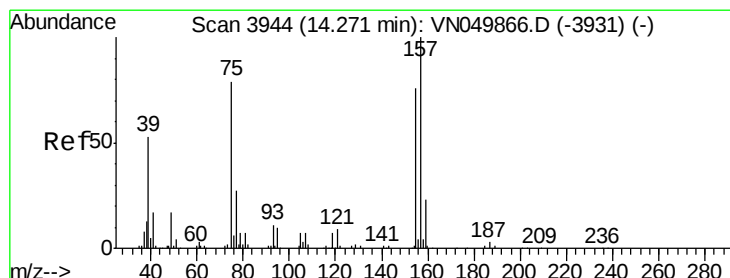
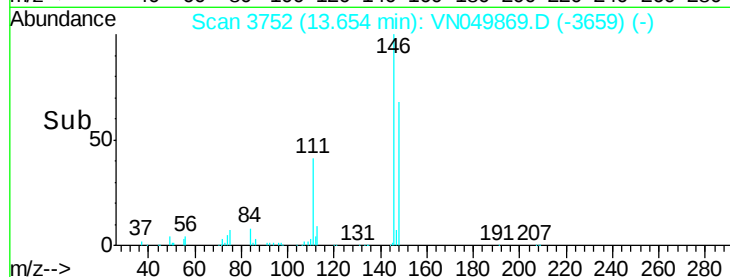
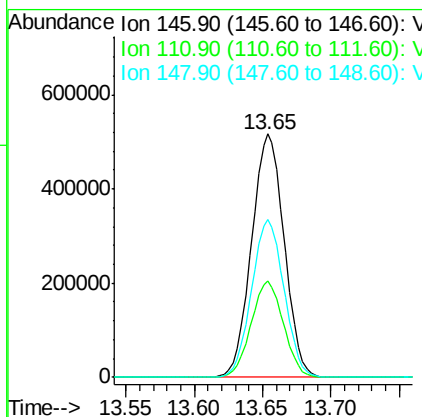
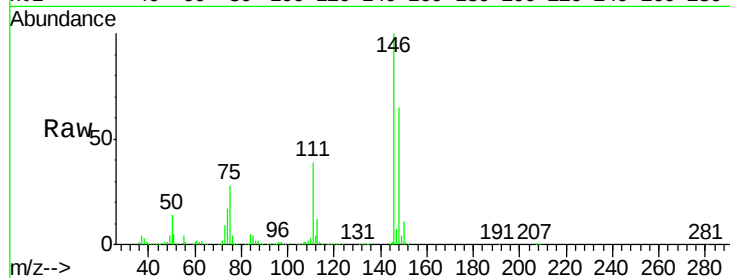
ClientSampleId :

ICVVN071818

Tot Ion:	146	Resp:	855443
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.7	59.1
148	64.7	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.97 ug/l

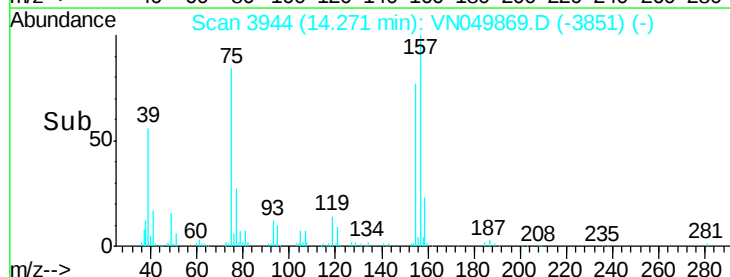
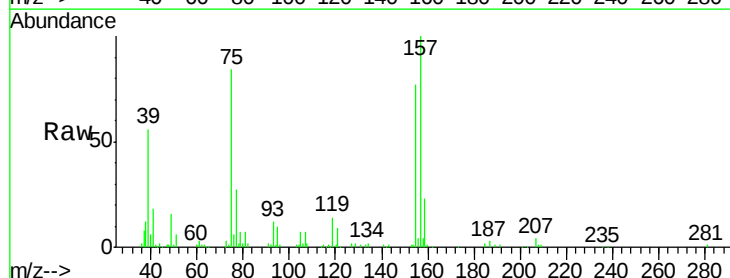
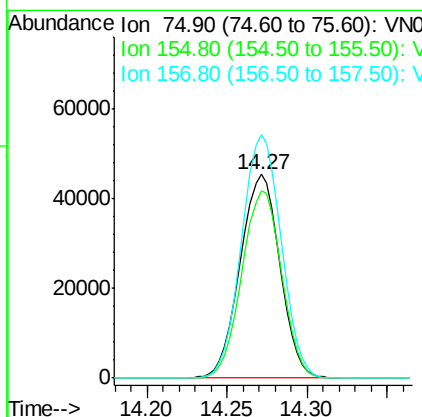
RT: 14.27 min Scan# 3944

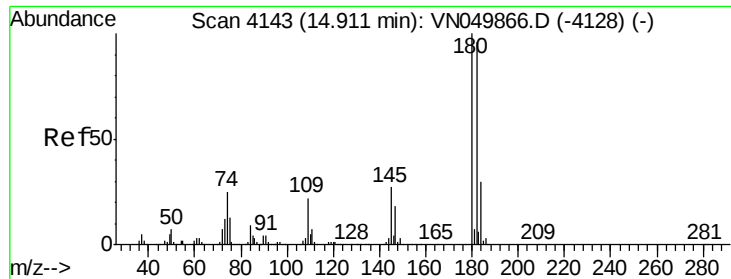
Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Tgt Ion:	75	Resp:	77127
Ion Ratio	Lower	Upper	
75	100		
155	91.6	45.7	137.1
157	118.9	56.9	170.7





#93

1,2,4-Trichlorobenzene

Concen: 50.52 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

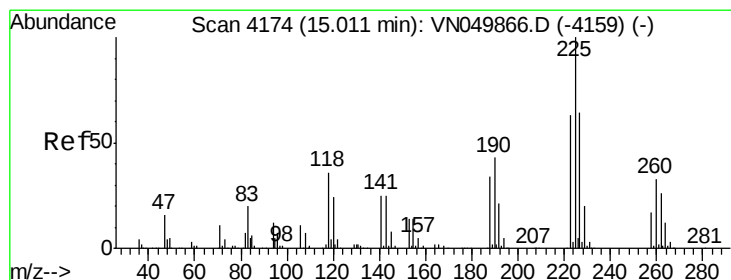
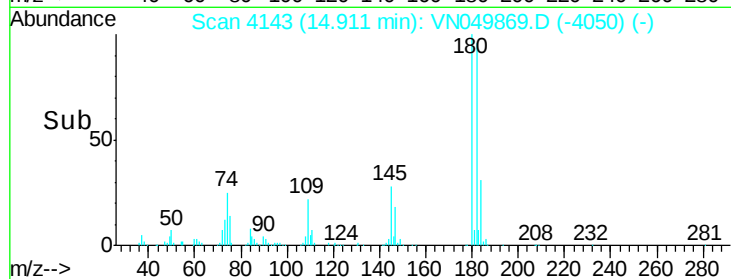
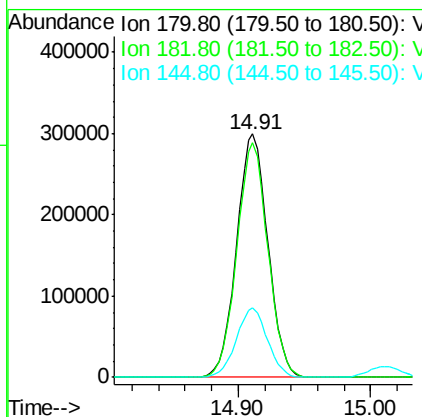
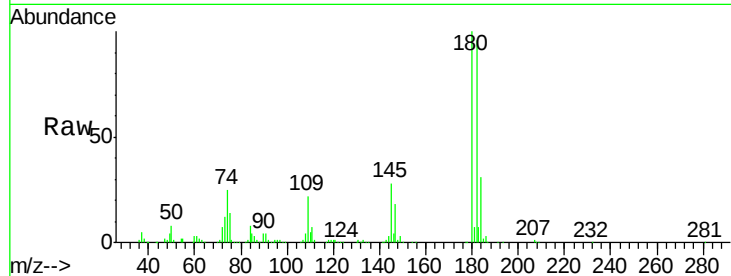
ClientSampleId :

ICVVN071818

Tot Ion:	180	Resp:	488615
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.3	141.9
145	28.4	14.4	43.0

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 50.55 ug/l

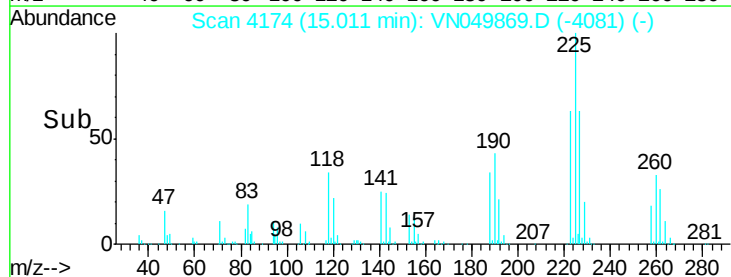
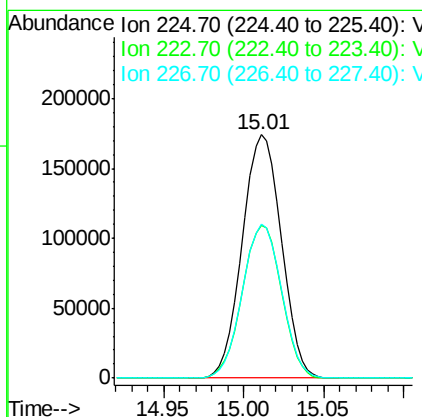
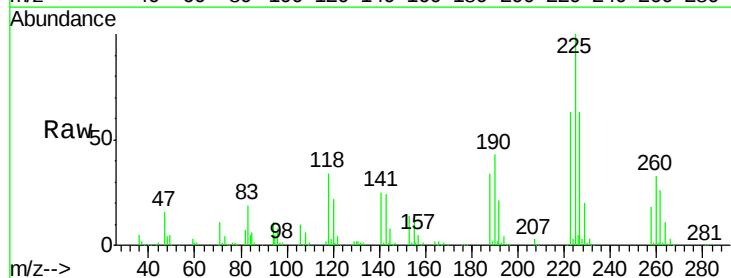
RT: 15.01 min Scan# 4174

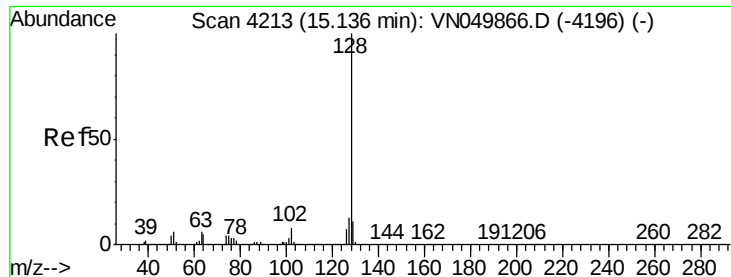
Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Tgt Ion:	225	Resp:	290345
Ion Ratio	Lower	Upper	
225	100		
223	63.1	30.9	92.7
227	63.4	31.8	95.4





#95

Naphthalene

Concen: 48.38 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Instrument :

MSVOA_N

ClientSampleId :

ICVVN071818

Tot Ion:128 Resp: 1113961

Ion Ratio Lower Upper

128 100

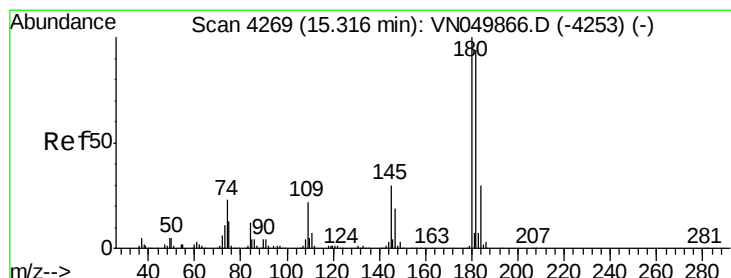
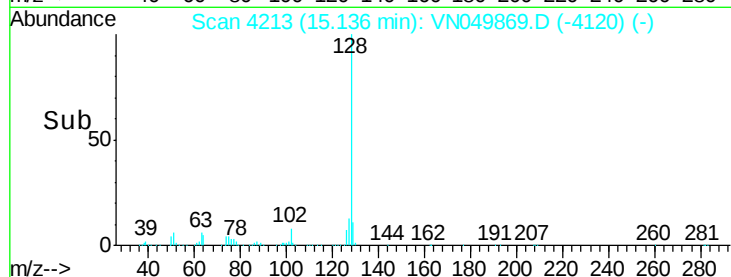
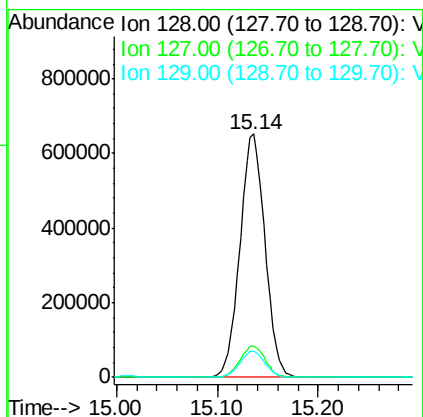
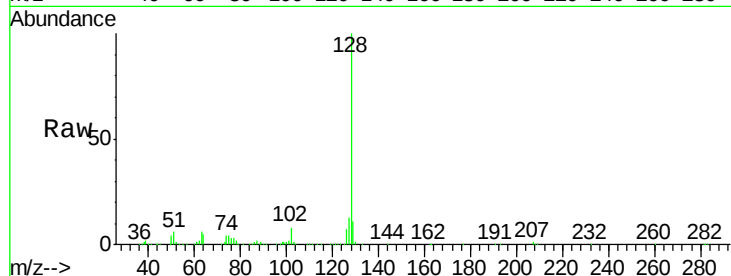
127 13.0 10.4 15.6

129 10.9 8.6 13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 57.43 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049869.D

Acq: 18 Jul 2018 13:23

Tgt Ion:180 Resp: 482891

Ion Ratio Lower Upper

180 100

182 95.7 47.4 142.2

145 29.8 15.2 45.6

