

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061318\
 Data File : VN049217.D
 Acq On : 13 Jun 2018 22:44
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Manual Integrations
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 6/14/2018 5:07:36 PM

Quant Time: Jun 14 05:21:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	988311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1559746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1435730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	692310	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	756912	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.59	113	622277	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.09	98	2480458	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	12.40	95	847228	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	624664	43.88	ug/l	99
3) Chloromethane	2.06	50	639036	43.93	ug/l	99
4) Vinyl Chloride	2.18	62	652028	43.71	ug/l	99
5) Bromomethane	2.56	94	372599	43.44	ug/l	98
6) Chloroethane	2.70	64	419202	41.62	ug/l	99
7) Trichlorofluoromethane	3.02	101	868956	41.38	ug/l	97
8) Diethyl Ether	3.41	74	363840	46.65	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	609117	44.81	ug/l	98
10) Methyl Iodide	3.95	142	649969	49.17	ug/l	94
11) Tert butyl alcohol	4.80	59	217570	250.12	ug/l	96
12) 1,1-Dichloroethene	3.73	96	578167	46.84	ug/l	96
13) Acrolein	3.61	56	314041	265.16	ug/l	100
14) Allyl chloride	4.32	41	1128230	48.67	ug/l	88
15) Acrylonitrile	4.99	53	1160880	247.95	ug/l	99
16) Acetone	3.82	43	851655	223.35	ug/l	96
17) Carbon Disulfide	4.05	76	1933188	45.91	ug/l	100
18) Methyl Acetate	4.33	43	559542	49.09	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	1647237	48.98	ug/l	99
20) Methylene Chloride	4.55	84	694231	44.83	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	625900	45.74	ug/l	100
22) Diisopropyl ether	5.96	45	2298273	49.67	ug/l	96
23) Vinyl Acetate	5.90	43	7679377	251.08	ug/l	100
24) 1,1-Dichloroethane	5.85	63	1250974	45.37	ug/l	99
25) 2-Butanone	6.84	43	1296779	237.50	ug/l	100
26) 2,2-Dichloropropane	6.82	77	921748	44.58	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	710535	47.68	ug/l	97
28) Bromochloromethane	7.20	49	622682	47.58	ug/l	99
29) Tetrahydrofuran	7.22	42	878635	250.14	ug/l	98
30) Chloroform	7.37	83	1193207	45.04	ug/l	98
31) Cyclohexane	7.65	56	1165685	49.10	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	1043028	45.71	ug/l	98
36) 1,1-Dichloropropene	7.80	75	945180	48.50	ug/l	99
37) Ethyl Acetate	6.93	43	606805	49.33	ug/l	99
38) Carbon Tetrachloride	7.78	117	905654	46.13	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	994665	49.41	ug/l	98
40) Benzene	8.04	78	2807779	47.56	ug/l	99
41) Methacrylonitrile	7.18	41	331908	47.69	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	895686	45.97	ug/l	98
43) Isopropyl Acetate	8.17	43	1127865	49.86	ug/l	98
44) Trichloroethene	8.84	130	683660	46.37	ug/l	97
45) 1,2-Dichloropropane	9.12	63	769474	47.38	ug/l	99
46) Dibromomethane	9.21	93	416430	46.42	ug/l	97
47) Bromodichloromethane	9.41	83	937615	46.40	ug/l	96
48) Methyl methacrylate	9.20	41	559043	50.58	ug/l	93
49) 1,4-Dioxane	9.20	88	127728	978.64	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	3024677	251.09	ug/l	98
52) Toluene	10.16	92	1702573	49.56	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	953452	49.63	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1111443	49.92	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	592319	46.98	ug/l	99
56) Ethyl methacrylate	10.43	69	811186	53.38	ug/l #	92
57) 1,3-Dichloropropane	10.71	76	1044948	48.34	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1319014	229.64	ug/l	99
59) 2-Hexanone	10.75	43	1943373	258.91	ug/l	98
60) Dibromochloromethane	10.90	129	674532	48.25	ug/l	100
61) 1,2-Dibromoethane	11.01	107	547776	46.98	ug/l	99
64) Tetrachloroethene	10.63	164	664262	46.18	ug/l	99
65) Chlorobenzene	11.44	112	1791015	48.36	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	663225	47.08	ug/l	99
67) Ethyl Benzene	11.51	91	3304016	51.71	ug/l	99
68) m/p-Xylenes	11.62	106	2458794	105.23	ug/l	99
69) o-Xylene	11.95	106	1189976	52.88	ug/l	99
70) Styrene	11.97	104	1935546	54.33	ug/l	99
71) Bromoform	12.13	173	436358	49.56	ug/l	99
73) Isopropylbenzene	12.25	105	3191728	48.00	ug/l	99
74) N-amyl acetate	12.07	43	981067	51.79	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	734941	54.19	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	611322m	53.47	ug/l	
77) Bromobenzene	12.53	156	737573	52.11	ug/l	99
78) n-propylbenzene	12.59	91	3706890	50.18	ug/l	99
79) 2-Chlorotoluene	12.68	91	2207414	47.38	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2558225	50.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	189634	45.76	ug/l	93
82) 4-Chlorotoluene	12.78	91	2202592	49.84	ug/l	100
83) tert-Butylbenzene	13.00	119	2147007	48.88	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	2623013	51.76	ug/l	100
85) sec-Butylbenzene	13.17	105	3000975	51.25	ug/l	99
86) p-Isopropyltoluene	13.29	119	2503154	52.78	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1288108	49.52	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1251381	48.84	ug/l	99
89) n-Butylbenzene	13.62	91	2141732	51.55	ug/l	99
90) Hexachloroethane	13.88	117	501639	52.43	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	1244550	48.63	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	106666	46.12	ug/l	95

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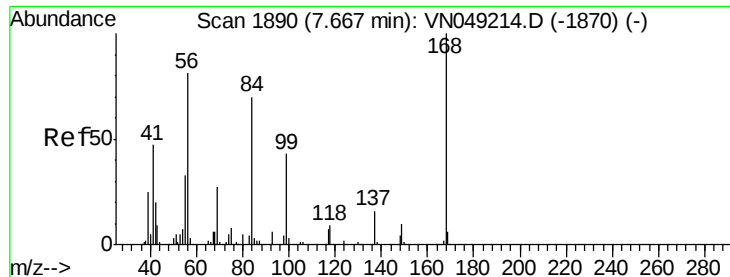
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	544412	49.57	ug/l	98
94) Hexachlorobutadiene	15.01	225	402726	52.04	ug/l	98
95) Naphthalene	15.14	128	1183948	49.33	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	555948	55.01	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion:168 Resp: 988311

Ion Ratio Lower Upper

168 100

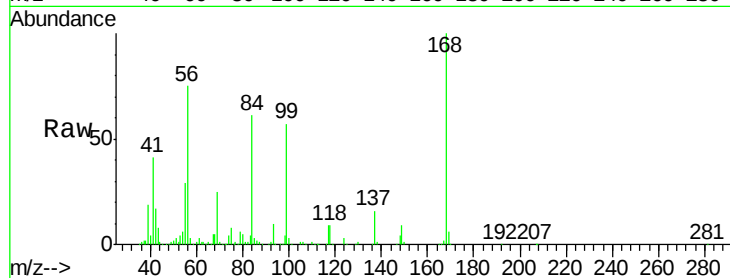
99 56.3 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

300000

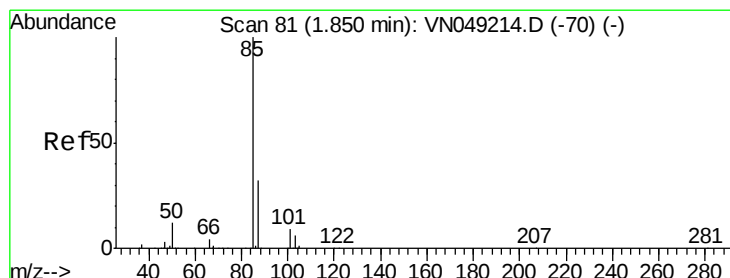
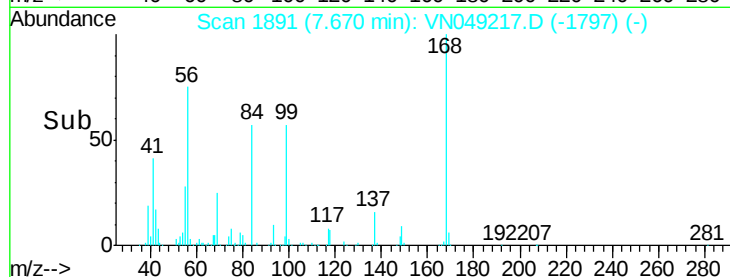
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 43.88 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049217.D

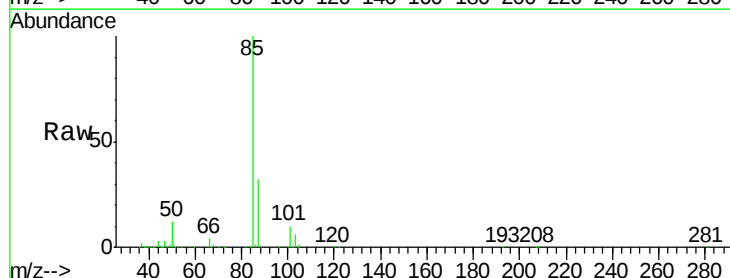
Acq: 13 Jun 2018 22:44

Tgt Ion: 85 Resp: 624664

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

500000

400000

300000

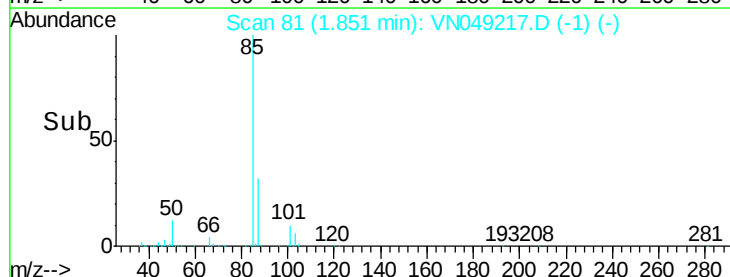
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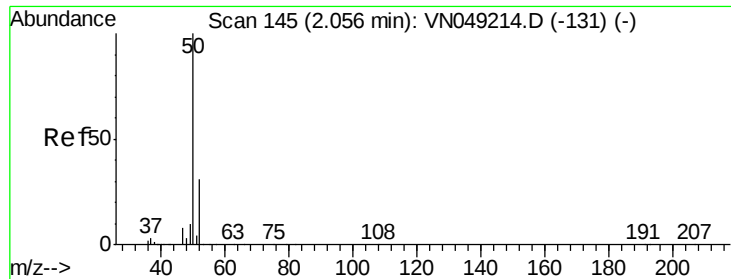
100000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 43.93 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion: 50 Resp: 639036

Ion Ratio Lower Upper

50 100

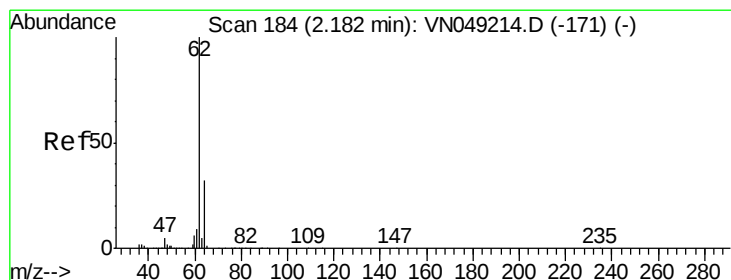
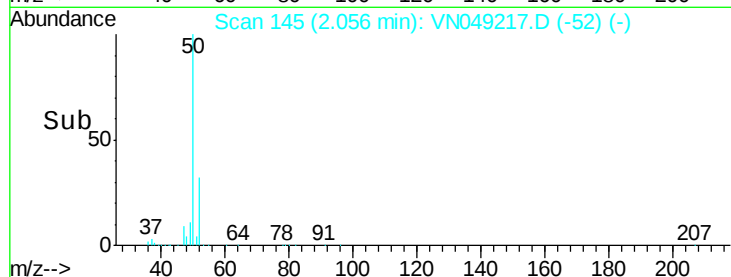
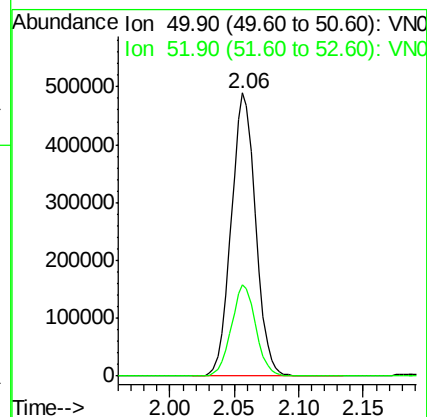
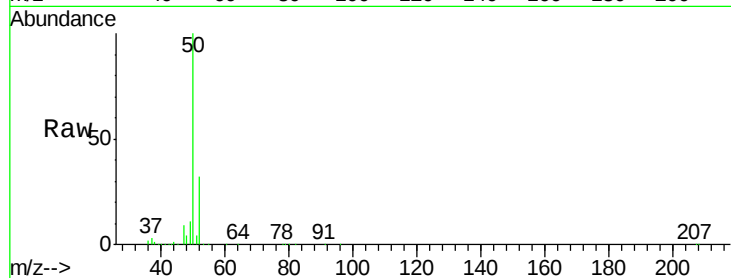
52 32.3 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.71 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049217.D

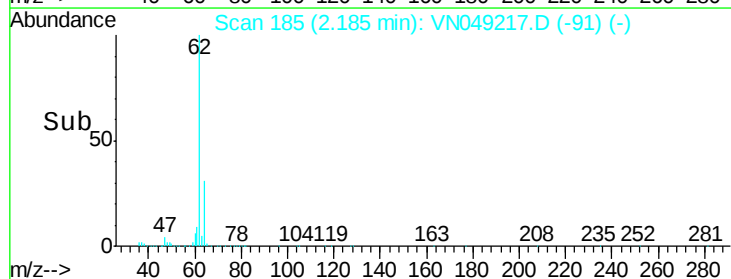
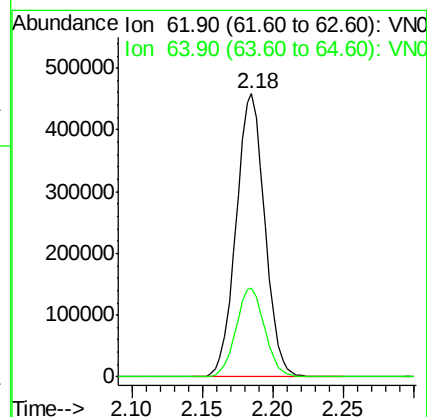
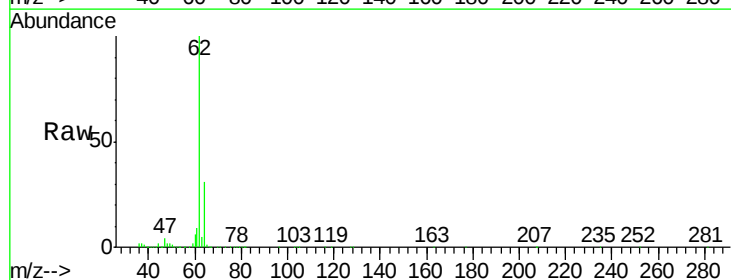
Acq: 13 Jun 2018 22:44

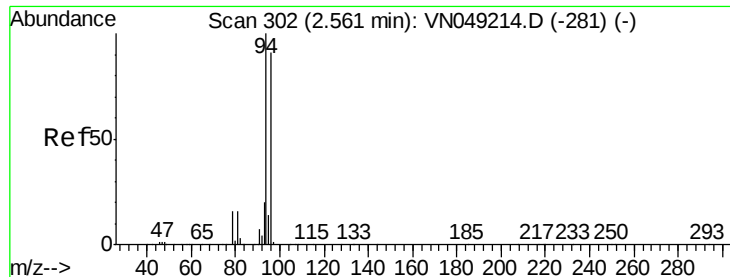
Tgt Ion: 62 Resp: 652028

Ion Ratio Lower Upper

62 100

64 31.3 25.7 38.5





#5

Bromomethane

Concen: 43.44 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion: 94 Resp: 372599

Ion Ratio Lower Upper

94 100

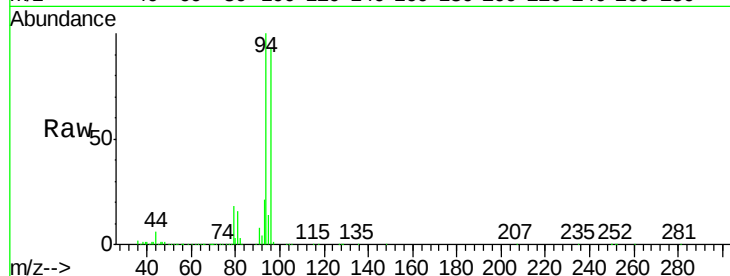
96 93.2 72.8 109.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

200000

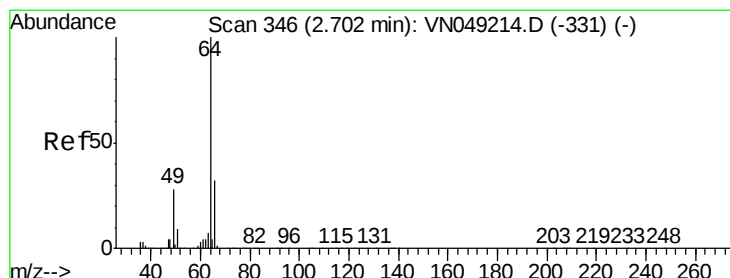
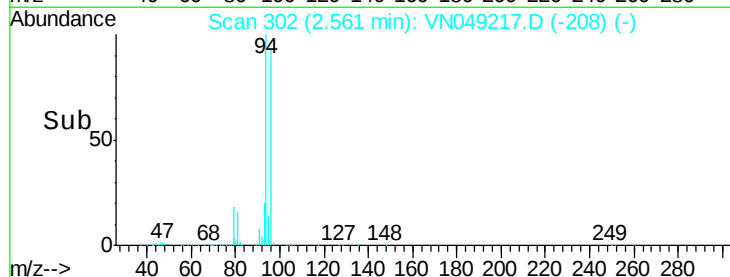
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 41.62 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049217.D

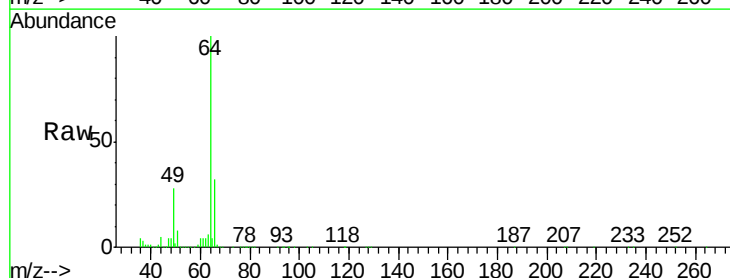
Acq: 13 Jun 2018 22:44

Tgt Ion: 64 Resp: 419202

Ion Ratio Lower Upper

64 100

66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

250000

200000

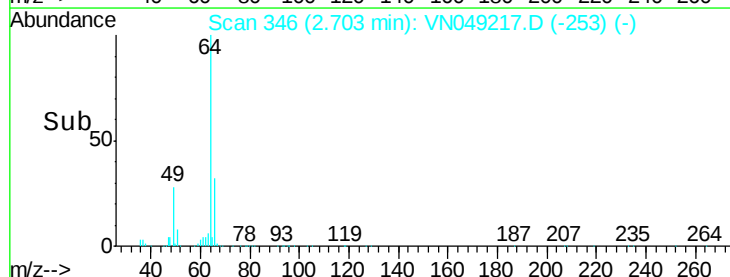
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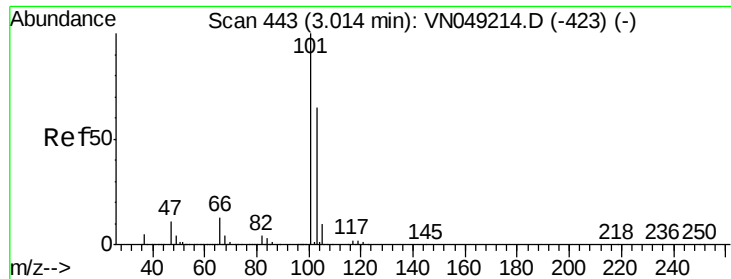
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50000

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Time-->





#7

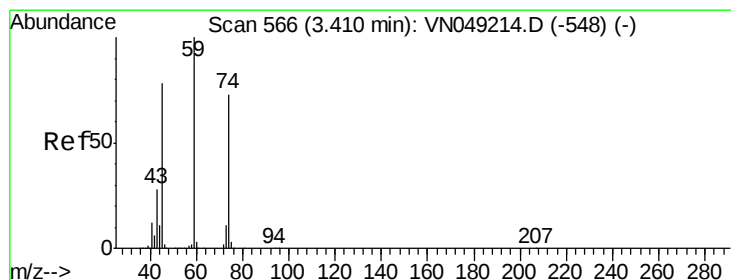
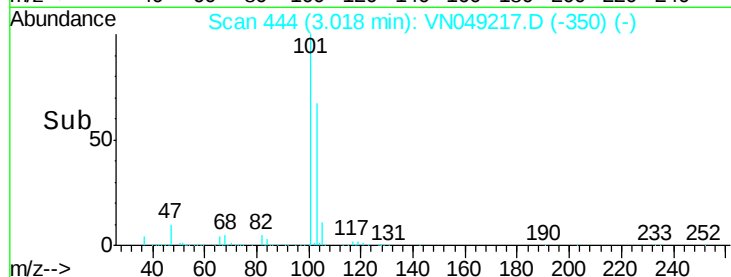
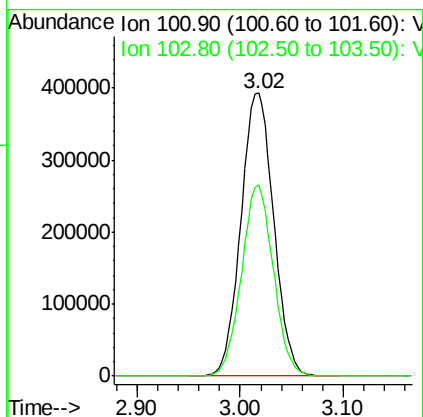
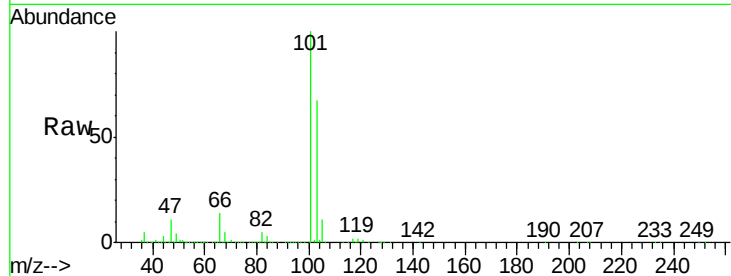
Trichlorofluoromethane
Concen: 41.38 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
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ClientSampleId :
ICVVN061318

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.7	77.5

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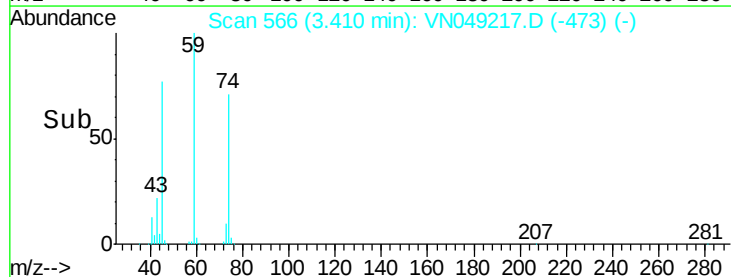
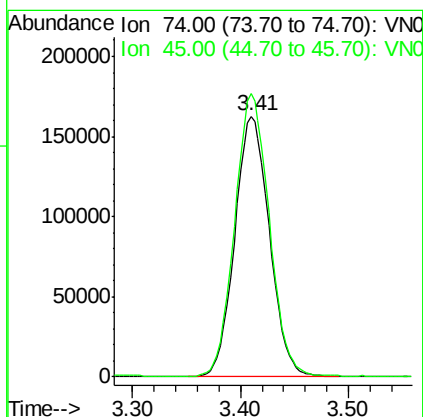
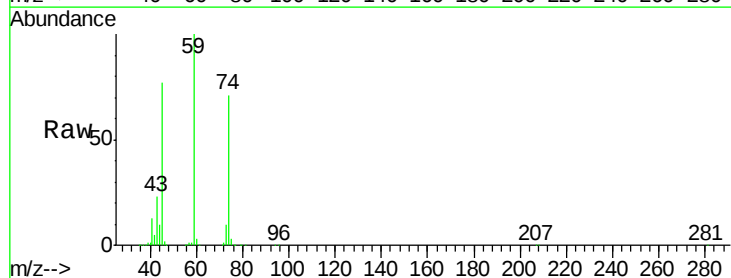
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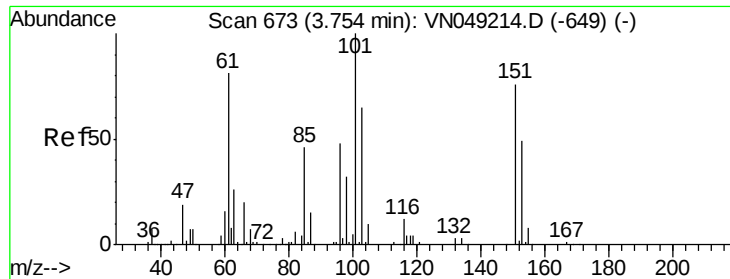


#8

Diethyl Ether
Concen: 46.65 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.8	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.81 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

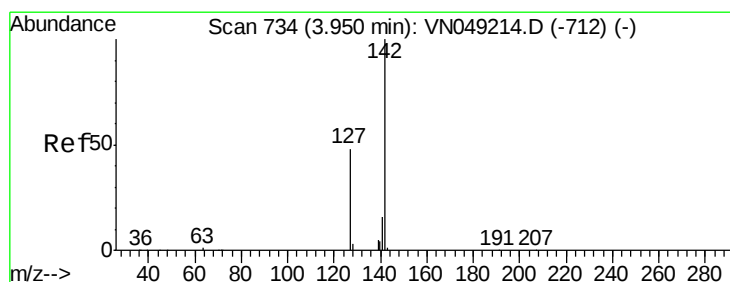
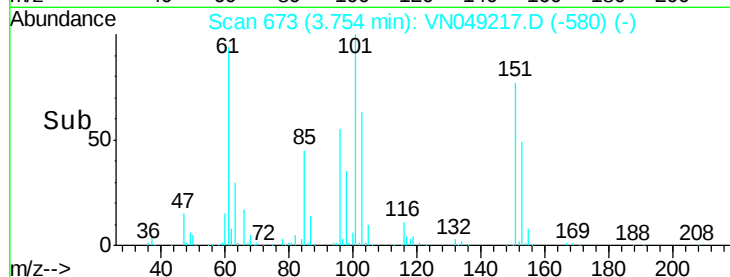
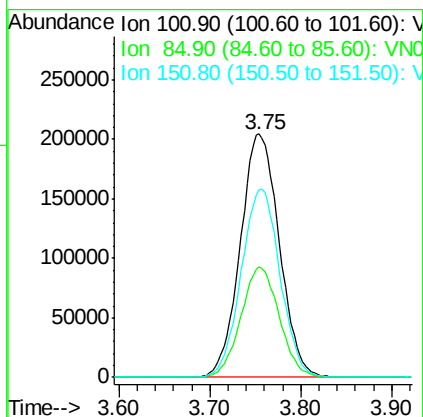
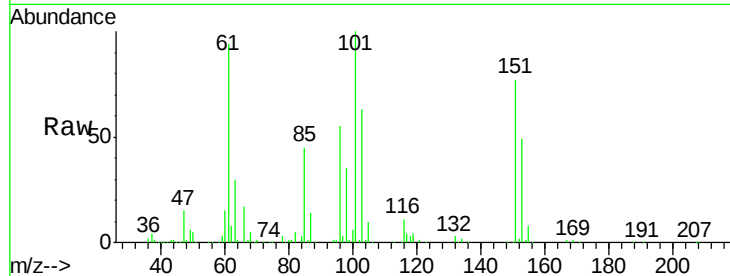
ClientSampled :

ICVVN061318

Tot Ion:	101	Resp:	609117
Ion Ratio	Lower	Upper	
101	100		
85	44.6	37.6	56.4
151	77.2	61.1	91.7

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#10

Methyl Iodide

Concen: 49.17 ug/l

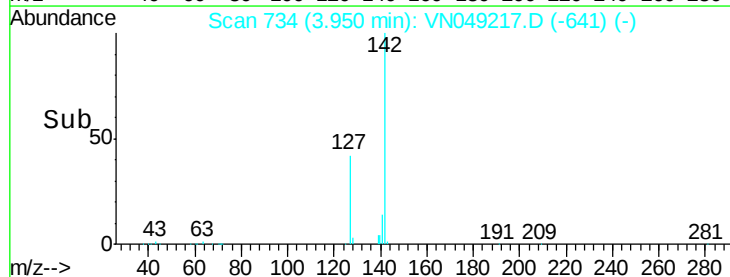
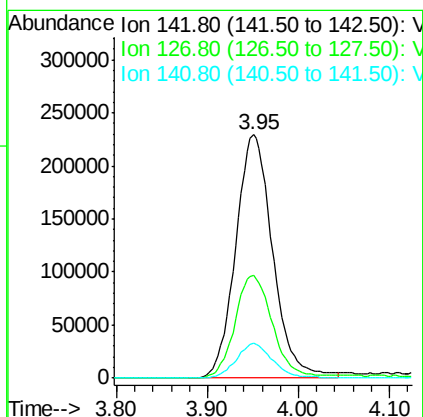
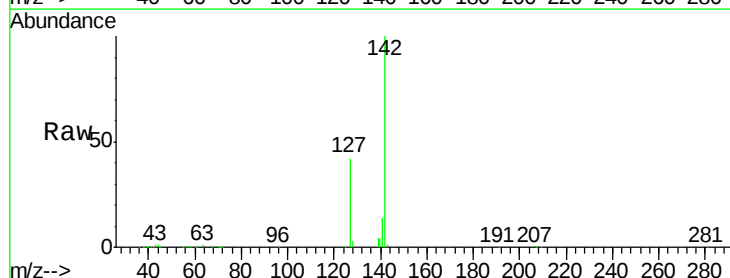
RT: 3.95 min Scan# 734

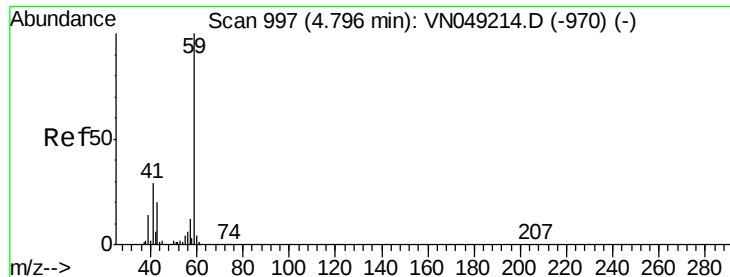
Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Tgt Ion:	142	Resp:	649969
Ion Ratio	Lower	Upper	
142	100		
127	43.0	38.2	57.4
141	14.1	11.9	17.9





#11

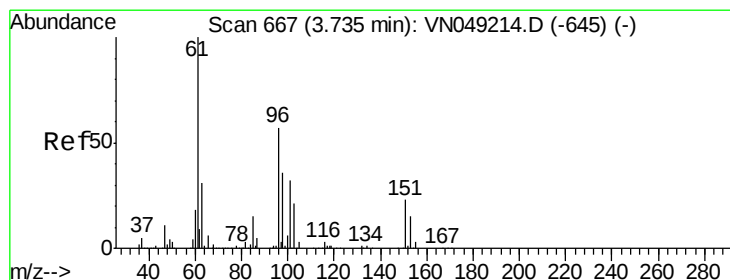
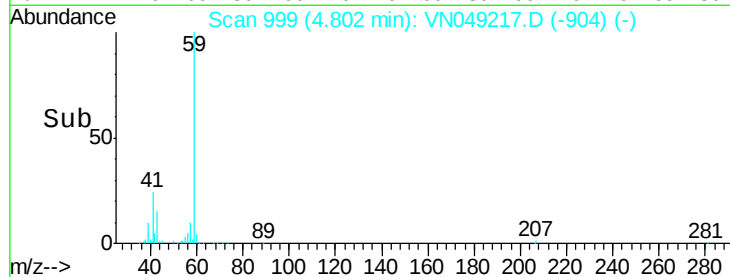
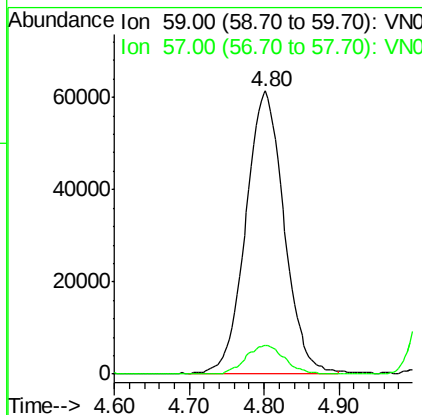
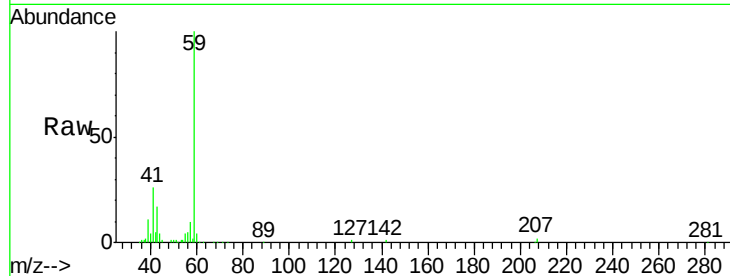
Tert butyl alcohol
 Concen: 250.12 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	9.0	13.6

Manual Integrations
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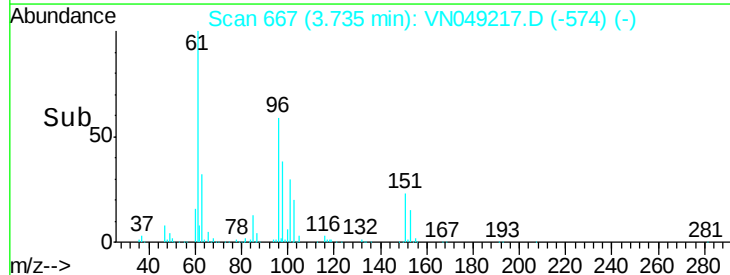
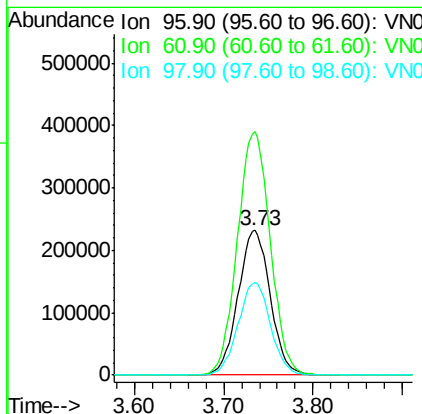
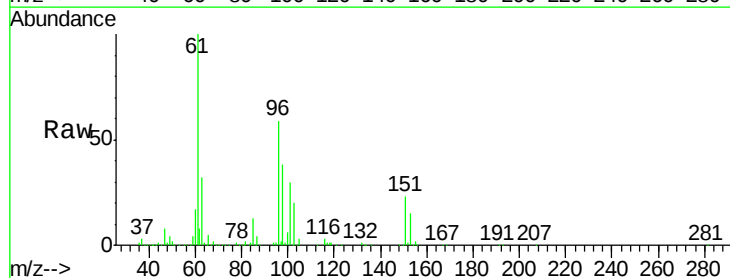
apatel
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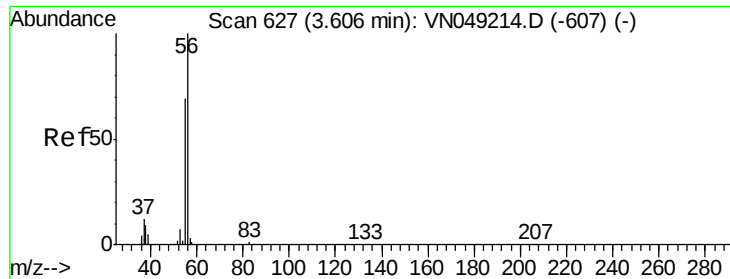


#12

1,1-Dichloroethene
 Concen: 46.84 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.5	141.0	211.4
98	64.2	50.4	75.6





#13

Acrolein

Concen: 265.16 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Tot Ion: 56 Resp: 314041

Ion Ratio Lower Upper

56 100

55 71.4 57.1 85.7

Instrument :

MSVOA_N

ClientSampleId :

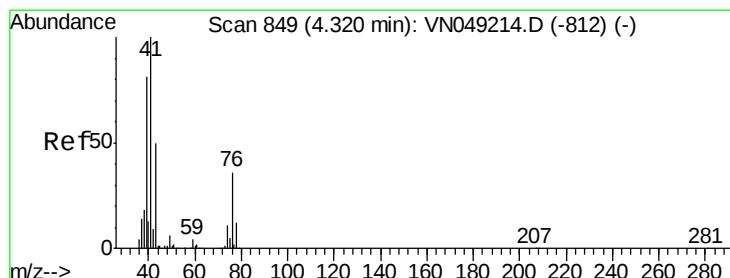
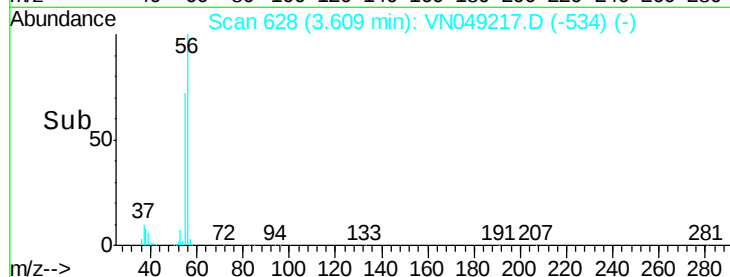
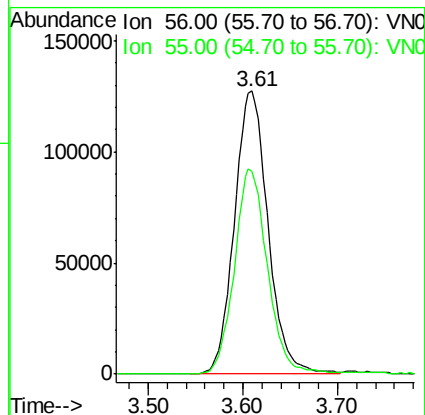
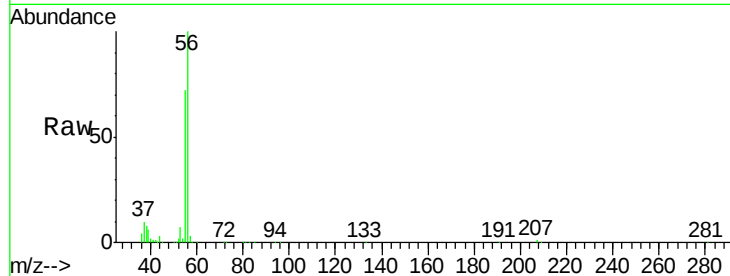
ICVVN061318

Manual Integrations

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#14

Allyl chloride

Concen: 48.67 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

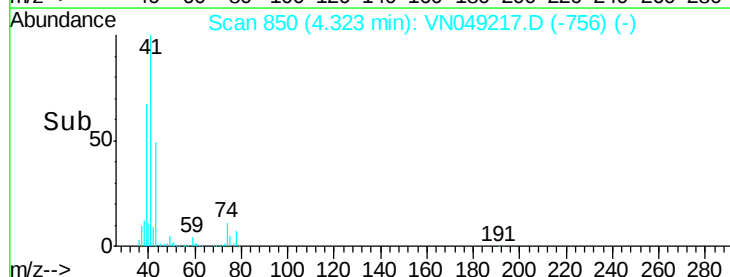
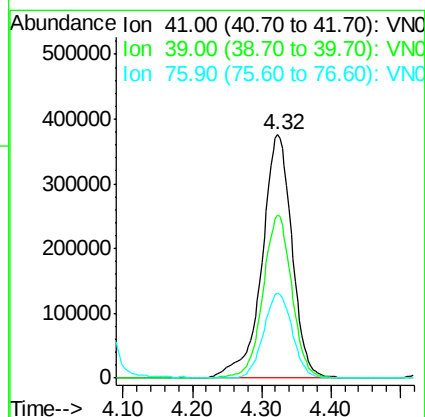
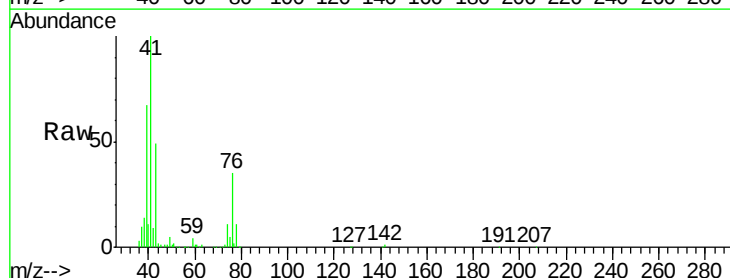
Tgt Ion: 41 Resp: 1128230

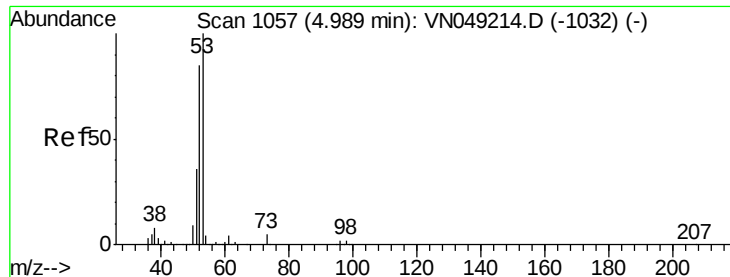
Ion Ratio Lower Upper

41 100

39 64.1 62.5 93.7

76 33.0 27.1 40.7





#15

Acrylonitrile

Concen: 247.95 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion: 53 Resp: 1160880

Ion Ratio Lower Upper

53 100

52 82.3 66.6 100.0

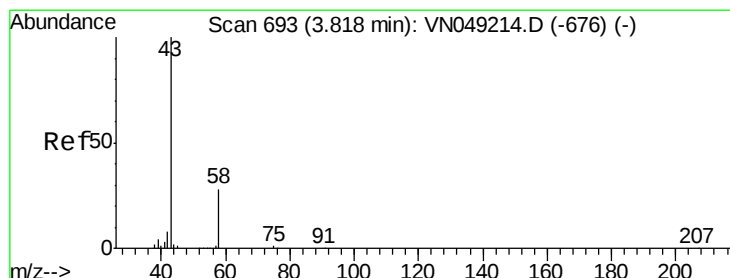
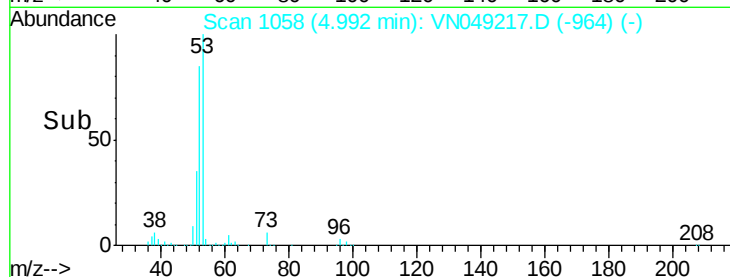
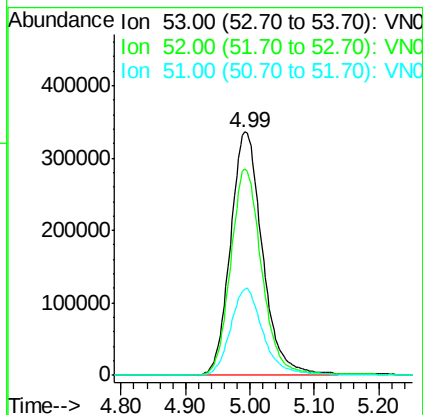
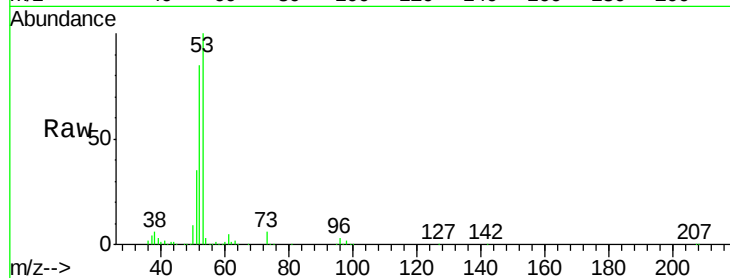
51 36.2 29.8 44.8

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#16

Acetone

Concen: 223.35 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049217.D

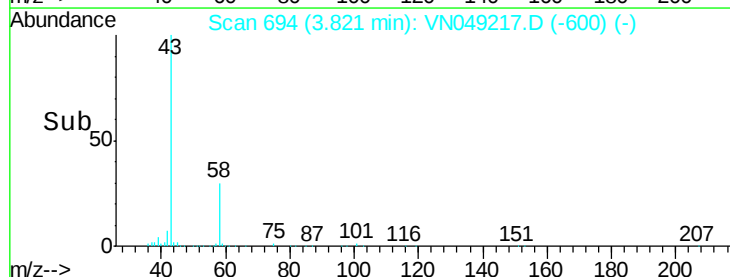
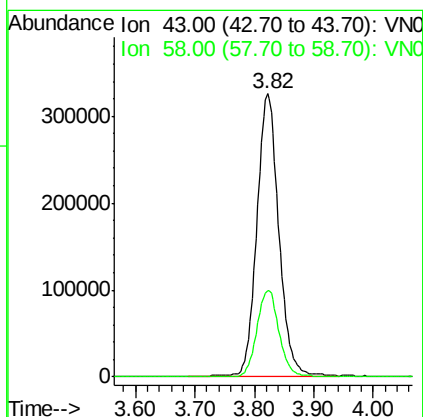
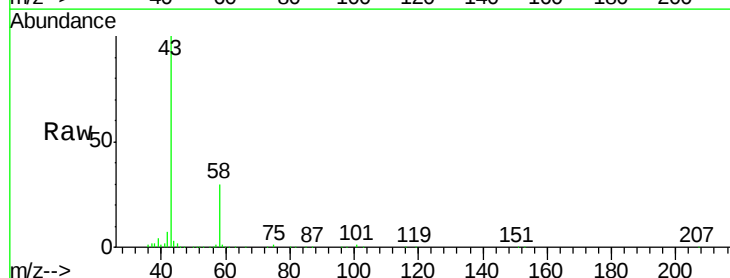
Acq: 13 Jun 2018 22:44

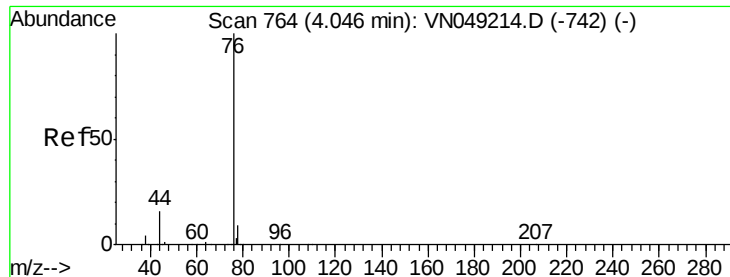
Tgt Ion: 43 Resp: 851655

Ion Ratio Lower Upper

43 100

58 30.4 22.4 33.6





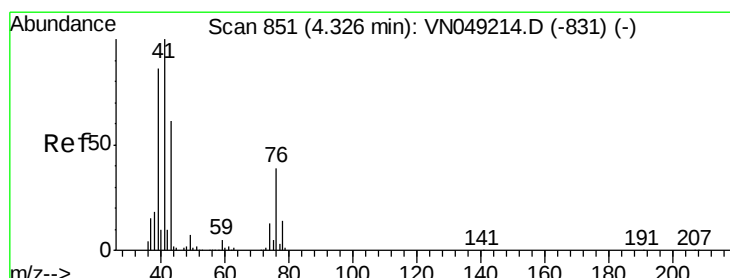
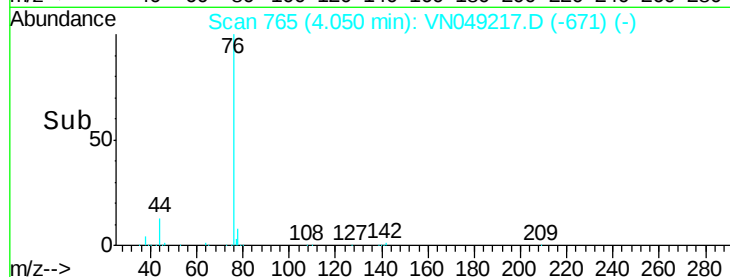
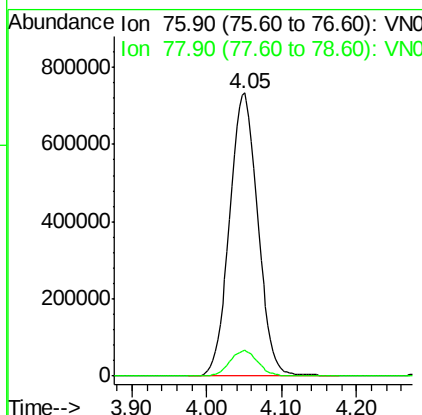
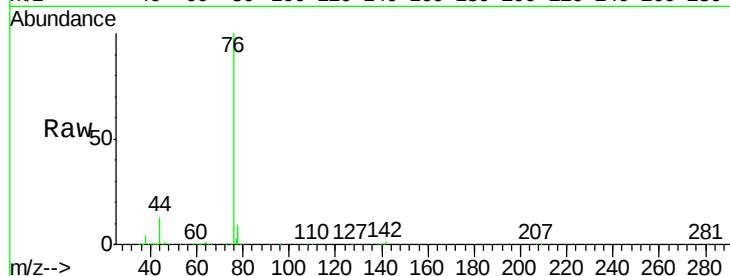
#17
Carbon Disulfide
Concen: 45.91 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061318

Tot Ion: 76 Resp: 1933188
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

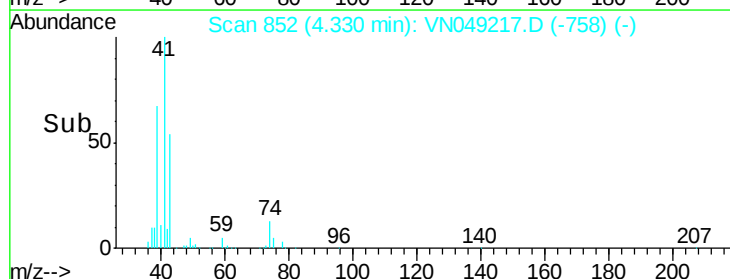
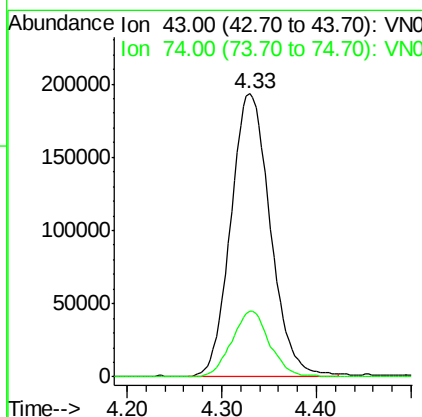
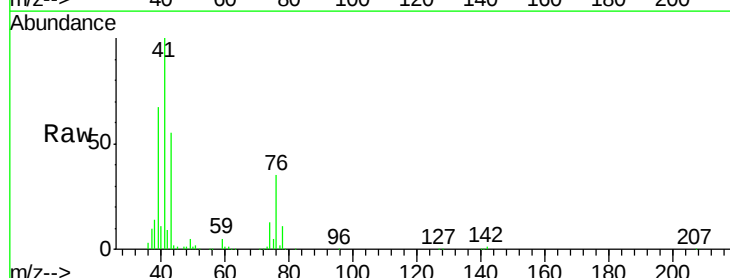
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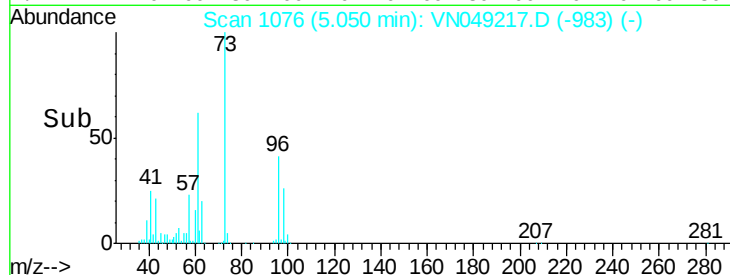
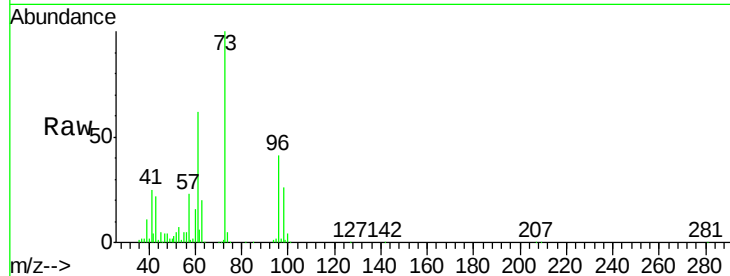
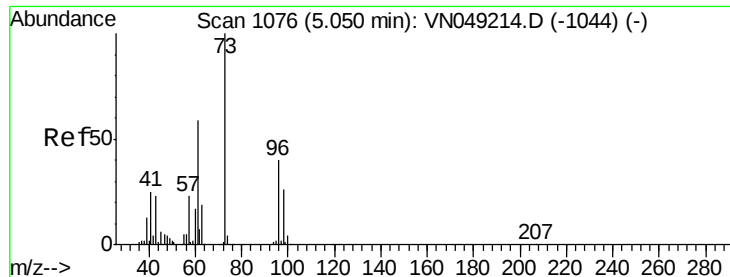
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#18
Methyl Acetate
Concen: 49.09 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion: 43 Resp: 559542
Ion Ratio Lower Upper
43 100
74 22.6 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 48.98 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Tot Ion: 73 Resp: 1647237

Ion Ratio Lower Upper

73 100

57 23.5 18.2 27.4

Instrument :

MSVOA_N

ClientSampled :

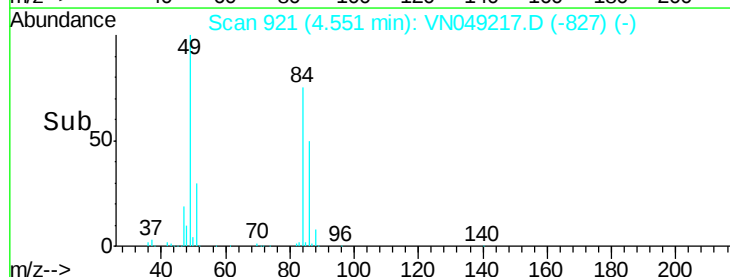
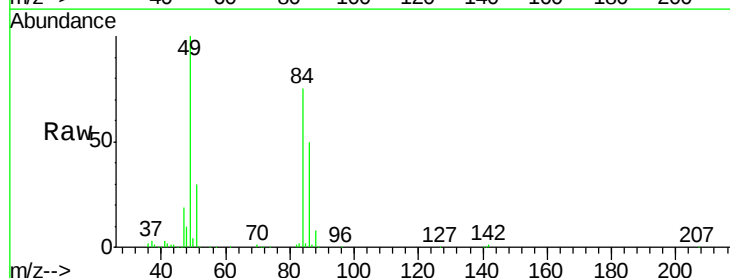
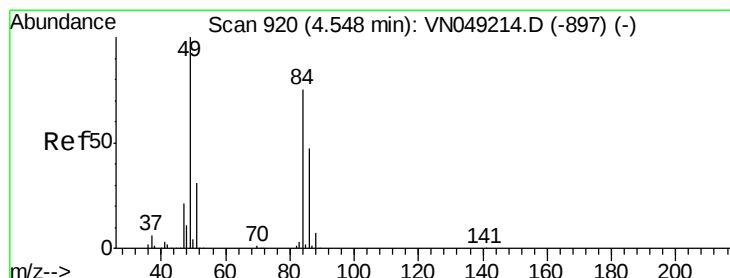
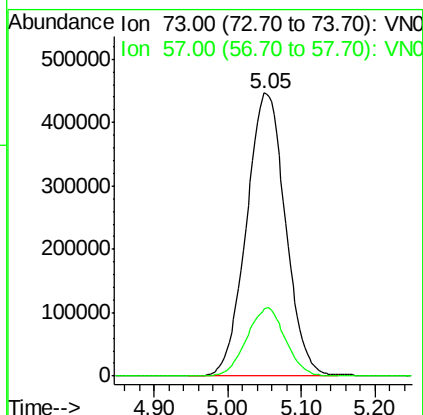
ICVVN061318

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#20

Methylene Chloride

Concen: 44.83 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Tgt Ion: 84 Resp: 694231

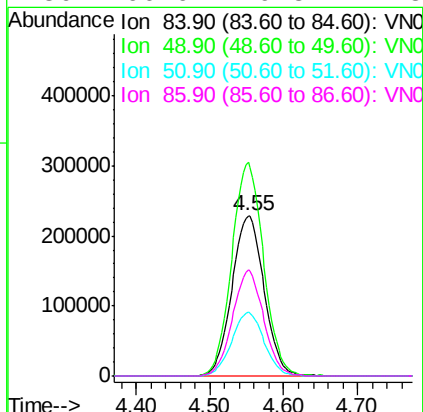
Ion Ratio Lower Upper

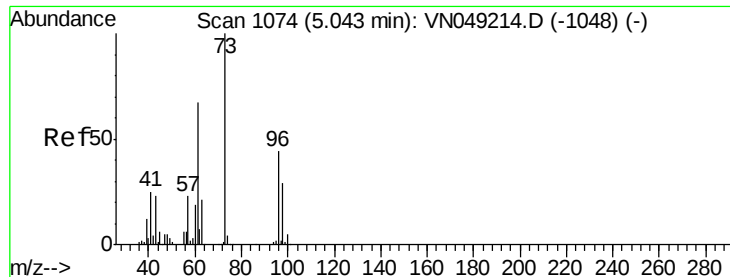
84 100

49 133.3 106.9 160.3

51 39.7 32.7 49.1

86 66.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 45.74 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion: 96 Resp: 625900

Ion Ratio Lower Upper

96 100

61 151.5 121.3 181.9

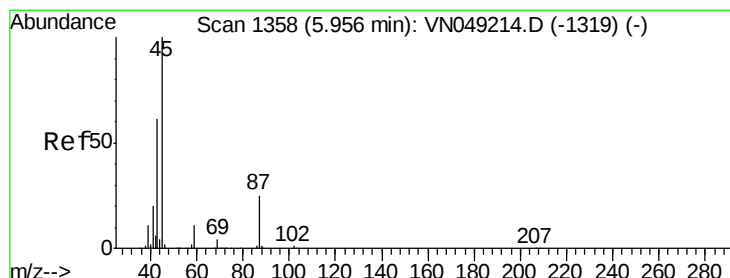
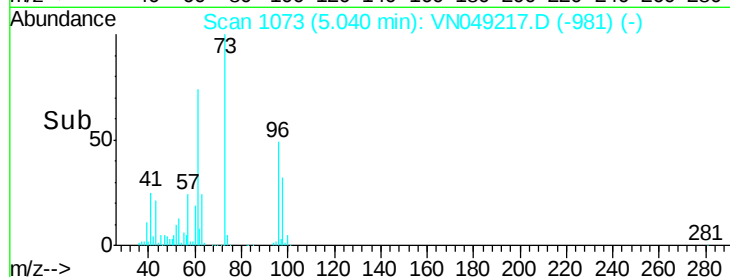
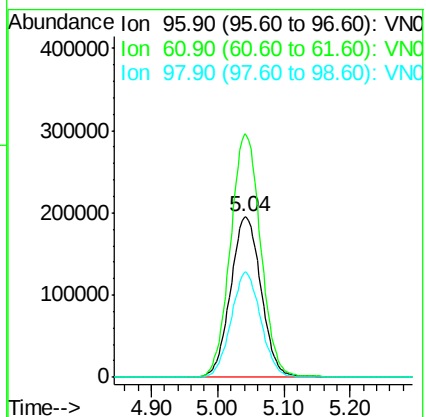
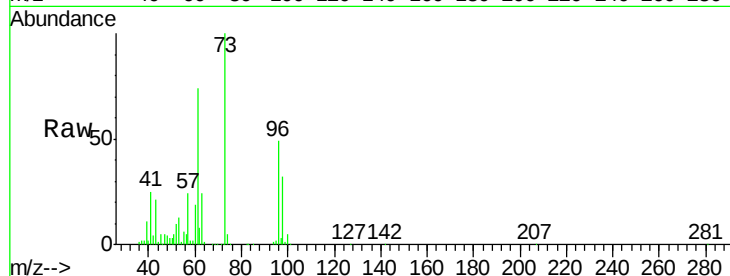
98 65.6 52.0 78.0

Manual Integrations

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#22

Diisopropyl ether

Concen: 49.67 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Tgt Ion: 45 Resp: 2298273

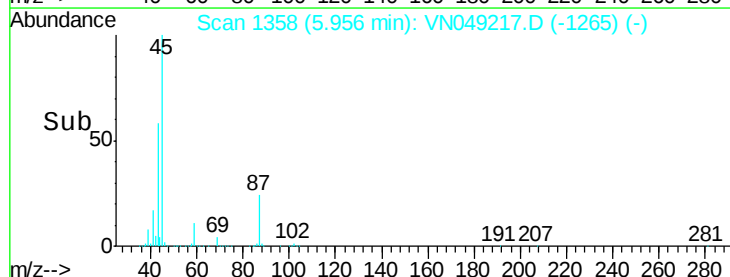
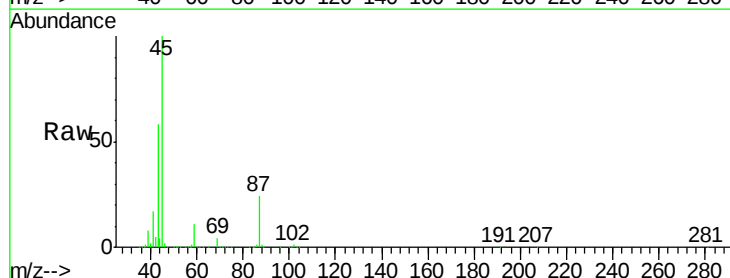
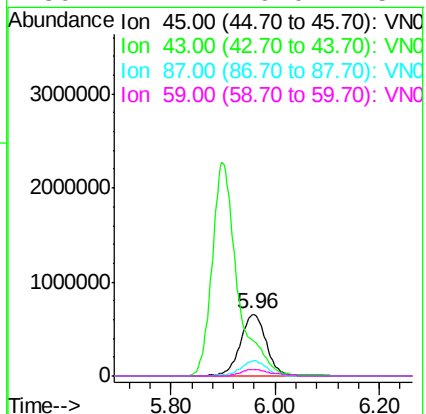
Ion Ratio Lower Upper

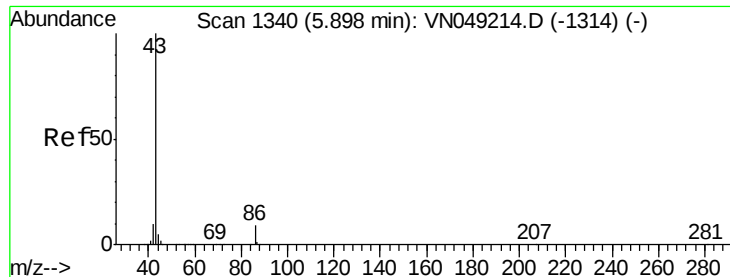
45 100

43 57.0 48.6 72.8

87 23.8 20.2 30.2

59 11.1 9.0 13.4





#23

Vinyl Acetate

Concen: 251.08 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion: 43 Resp: 7679377

Ion Ratio Lower Upper

43 100

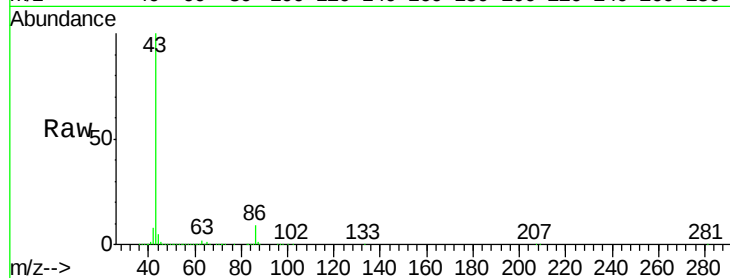
86 9.1 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

2500000

2000000

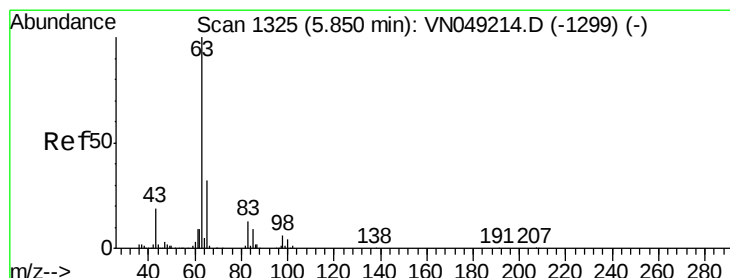
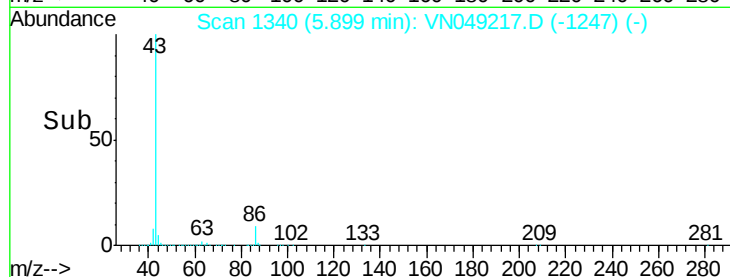
1500000

1000000

500000

0

Time-->



#24

1,1-Dichloroethane

Concen: 45.37 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

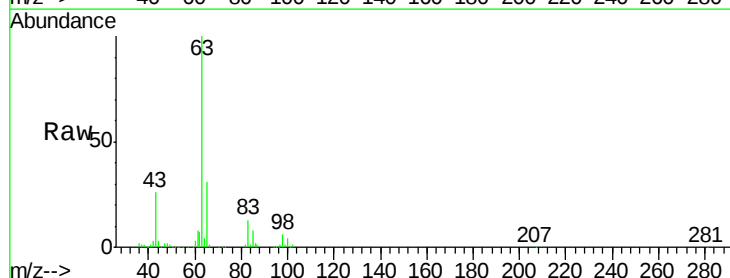
Tgt Ion: 63 Resp: 1250974

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.7 2.1 6.3



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

500000

400000

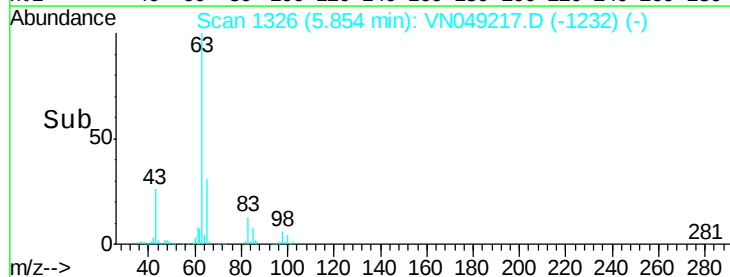
300000

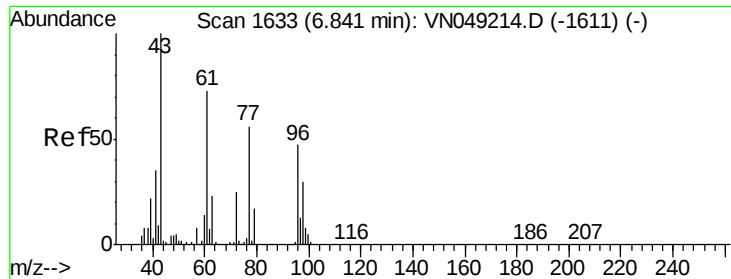
200000

100000

0

Time-->





#25

2-Butanone

Concen: 237.50 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Tot Ion: 43 Resp: 1296779

Ion Ratio Lower Upper

43 100

72 25.4 20.2 30.2

Instrument :

MSVOA_N

ClientSampled :

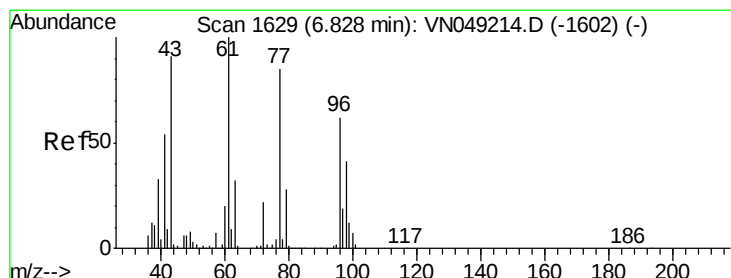
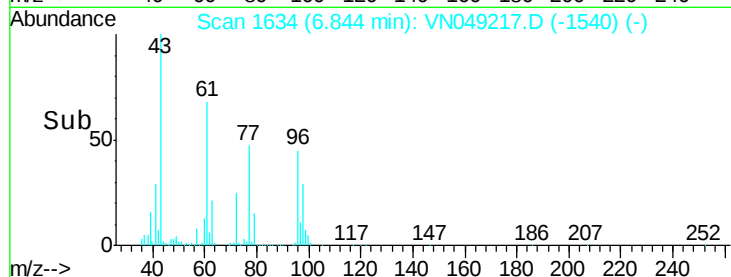
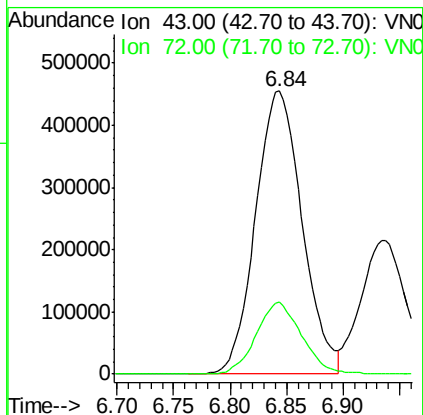
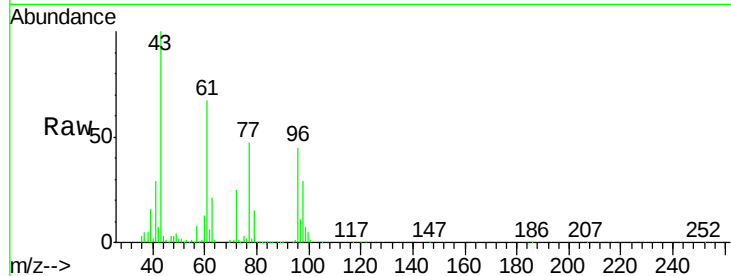
ICVVN061318

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.58 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN049217.D

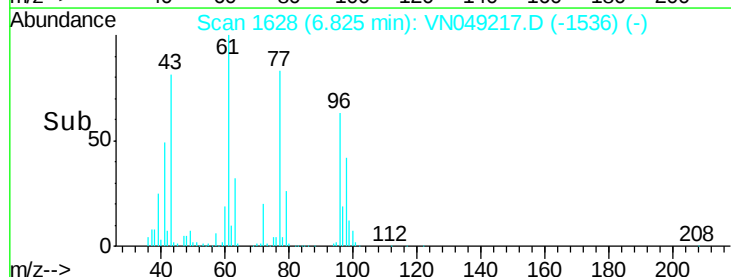
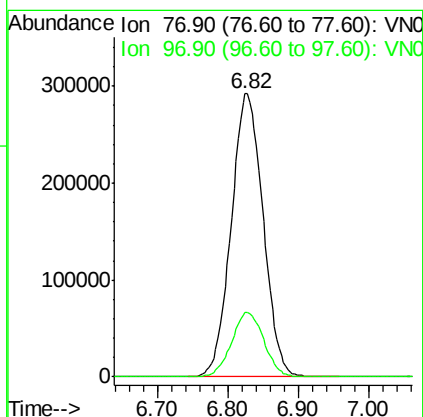
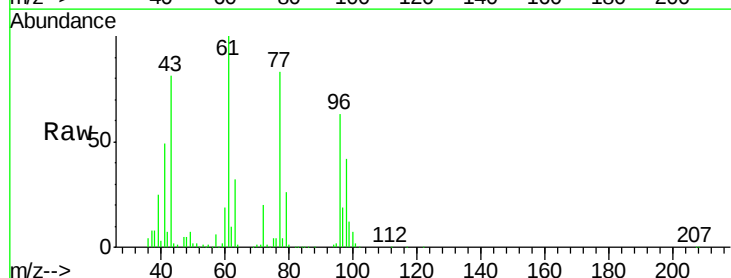
Acq: 13 Jun 2018 22:44

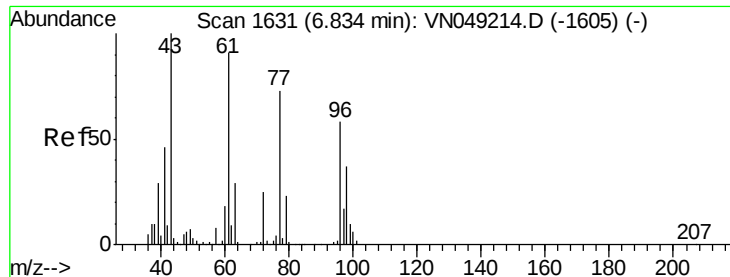
Tgt Ion: 77 Resp: 921748

Ion Ratio Lower Upper

77 100

97 23.1 11.0 33.0





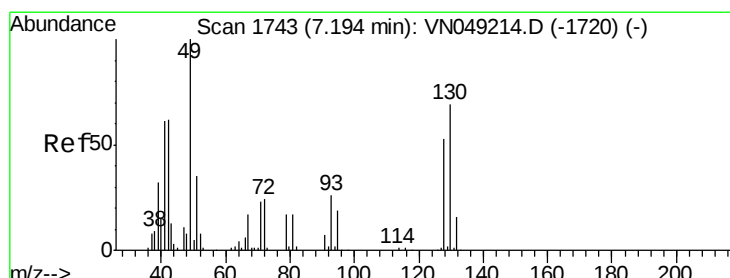
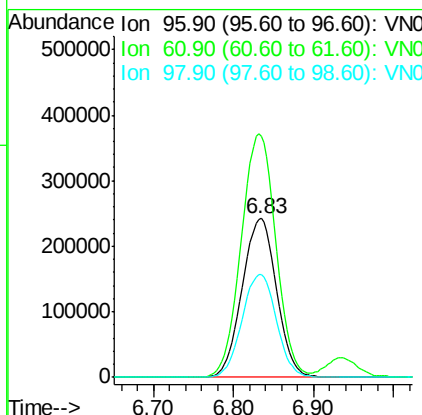
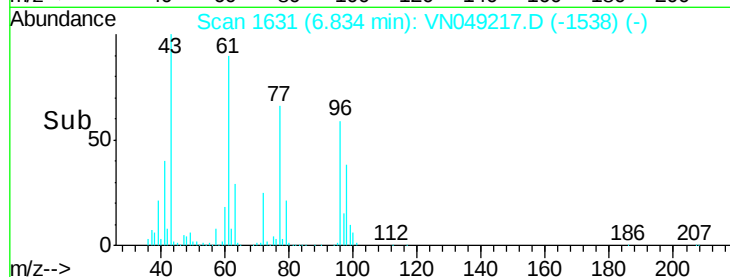
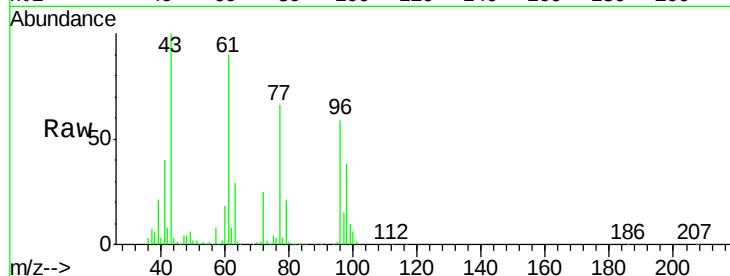
#27
 cis-1,2-Dichloroethene
 Concen: 47.68 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN061318

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.7	0.0	316.4	
98	64.6	0.0	128.4	

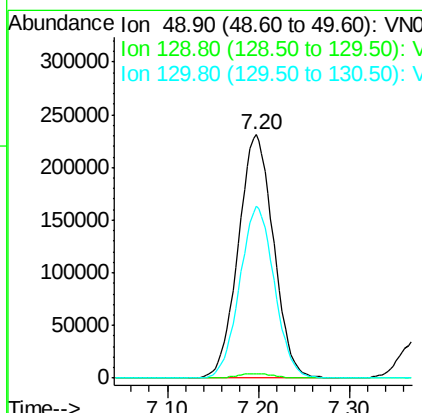
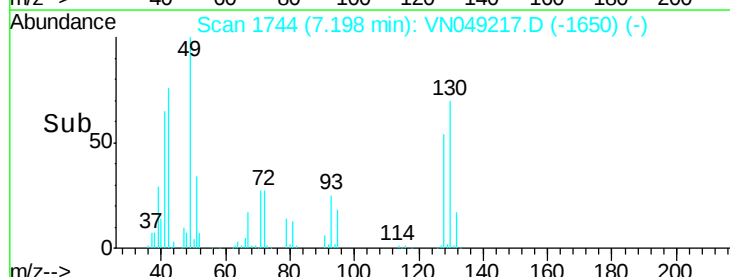
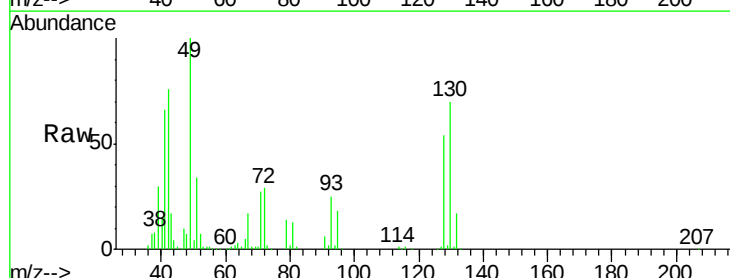
Manual Integrations
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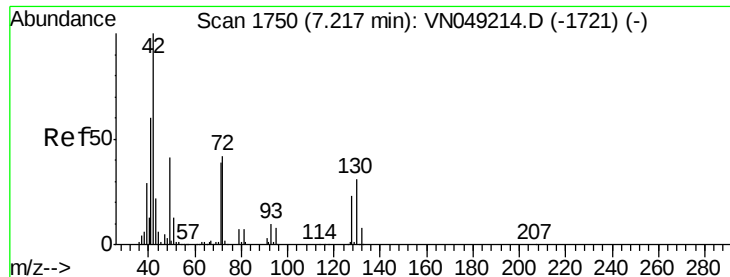
apatel
 6/14/2018 5:07:36 PM



#28
 Bromochloromethane
 Concen: 47.58 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	69.2	54.9	82.3	





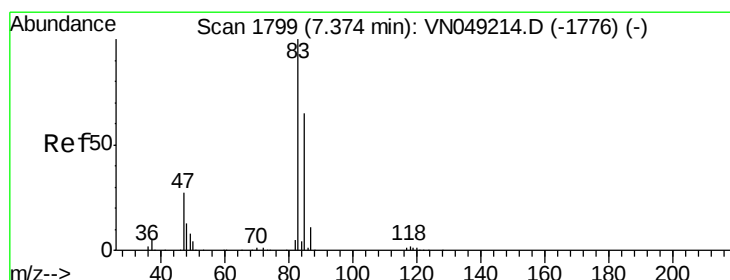
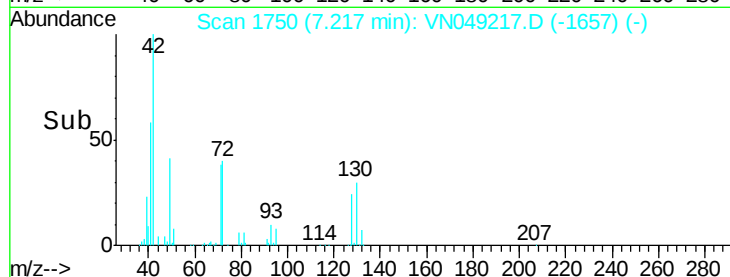
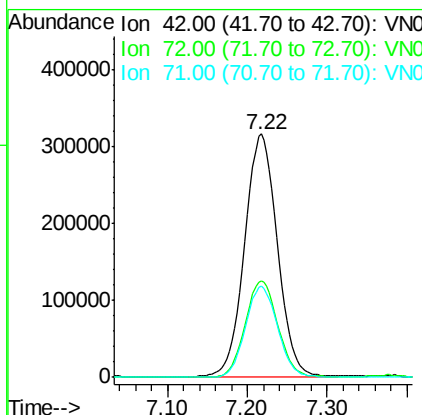
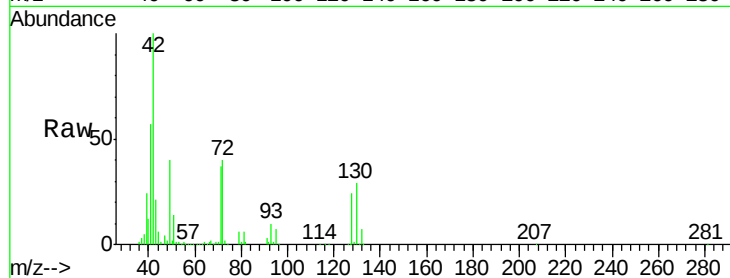
#29
Tetrahydrofuran
Concen: 250.14 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061318

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.2	48.4
71	36.8	30.5	45.7

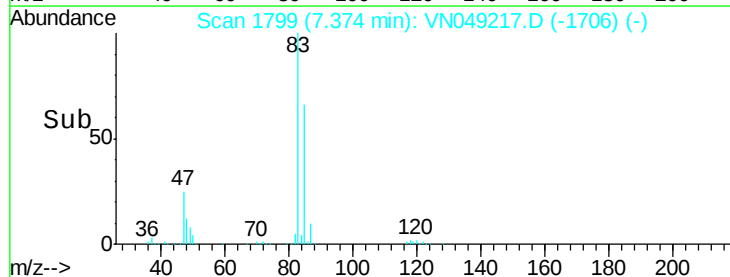
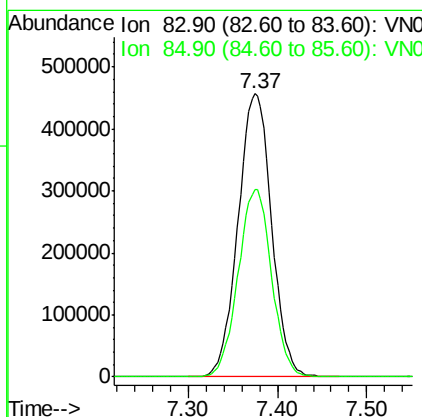
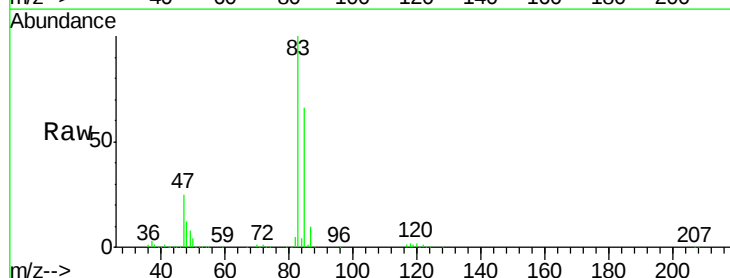
Manual Integrations
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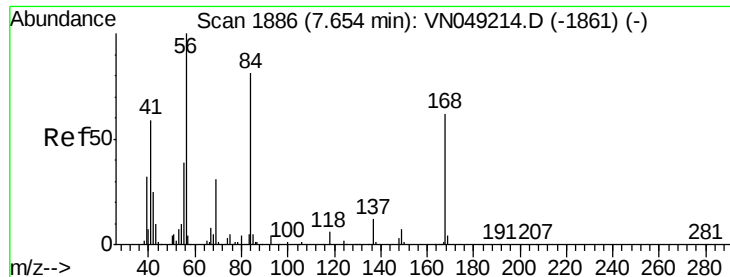
apatel
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#30
Chloroform
Concen: 45.04 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.7	77.5





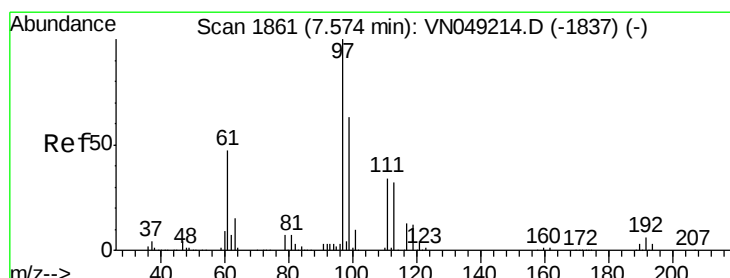
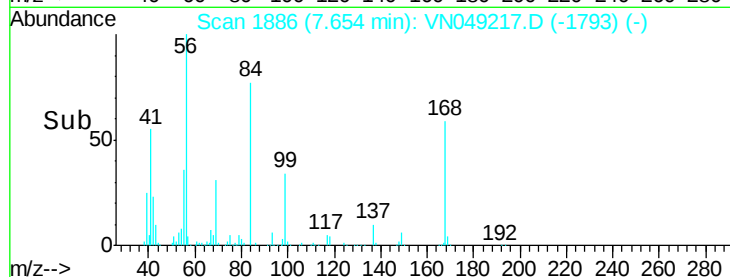
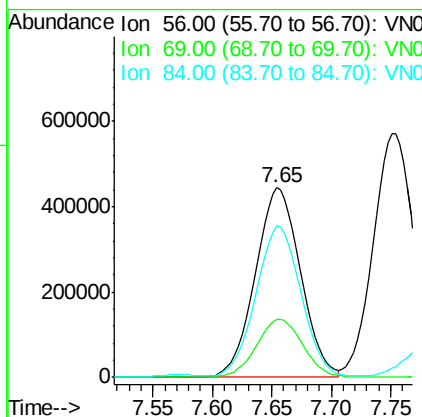
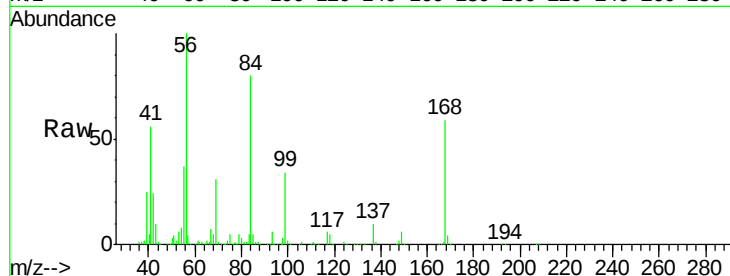
#31
Cyclohexane
Concen: 49.10 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061318

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	25.0	37.4
84	78.2	64.6	96.8

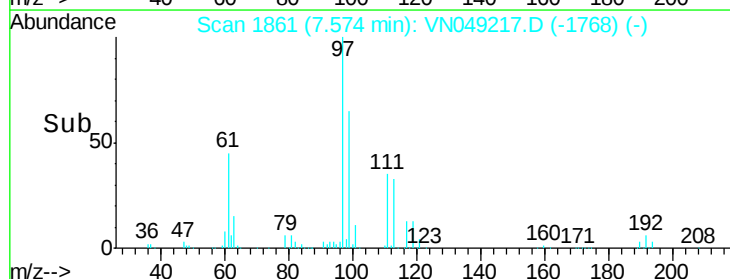
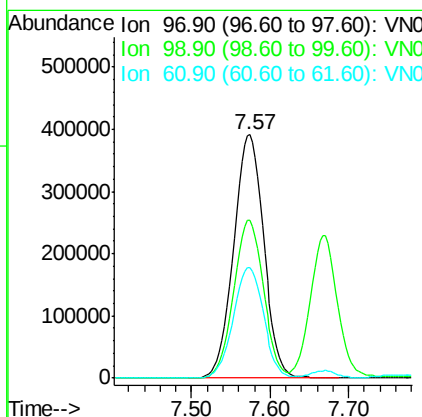
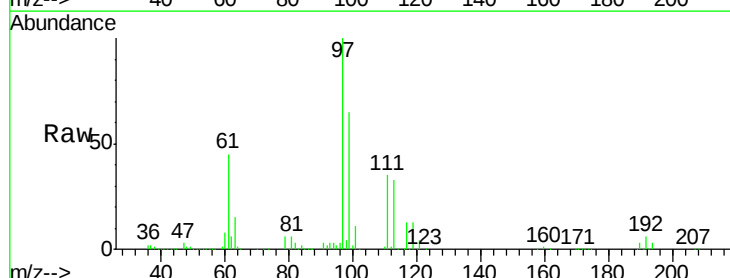
Manual Integrations
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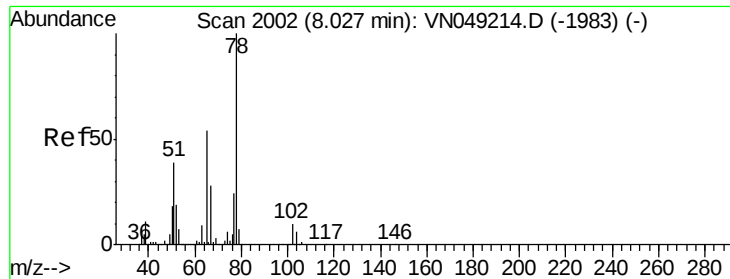
apatel
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#32
1,1,1-Trichloroethane
Concen: 45.71 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.5	75.7
61	45.6	37.9	56.9





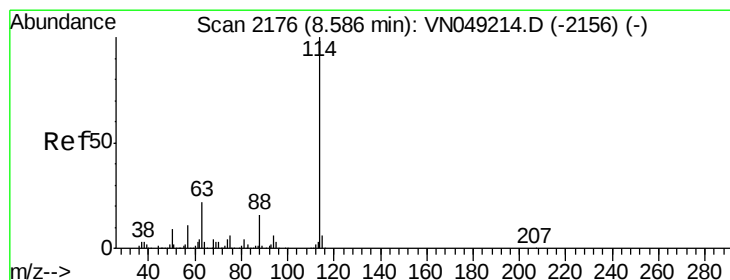
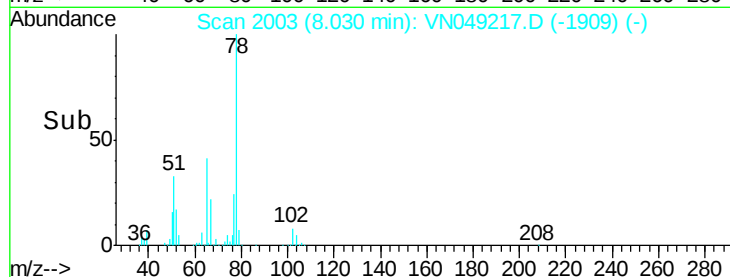
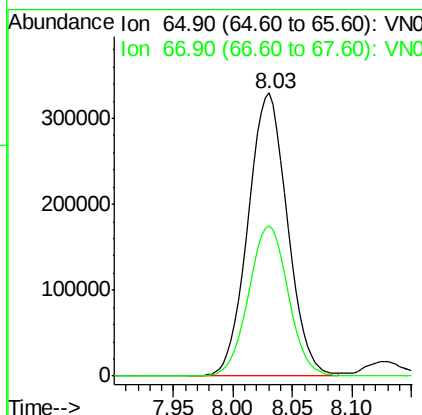
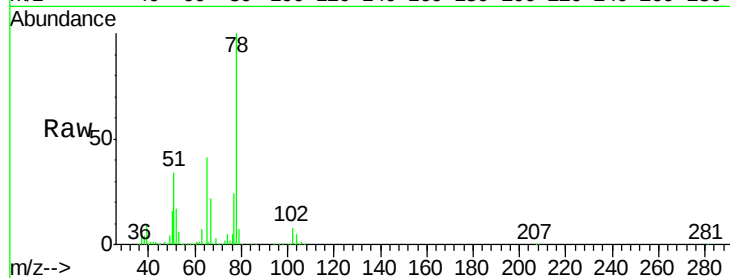
#33
 1,2-Dichloroethane-d4
 Concen: 47.43 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	103.8

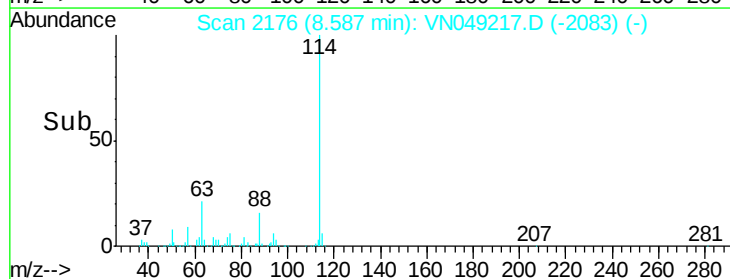
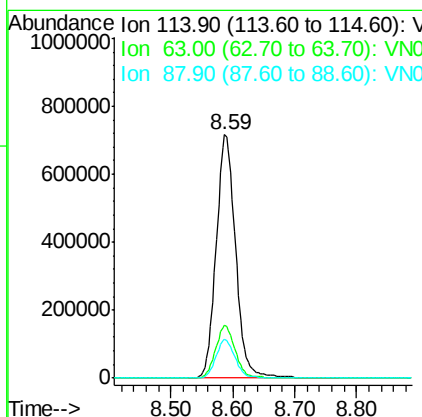
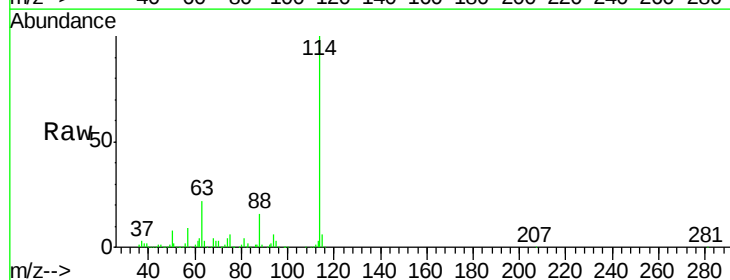
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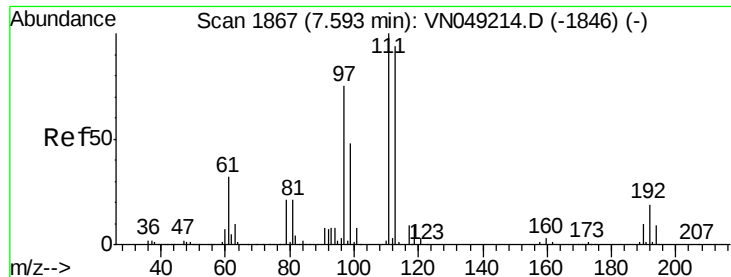
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.4
88	15.9	0.0	31.4





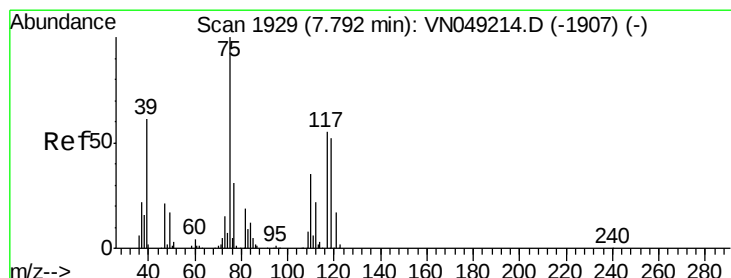
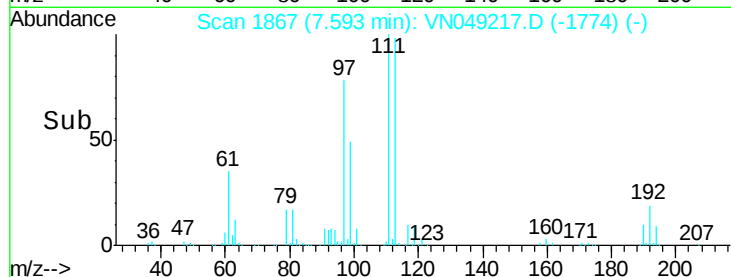
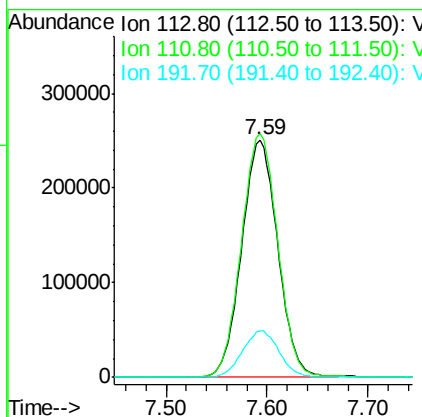
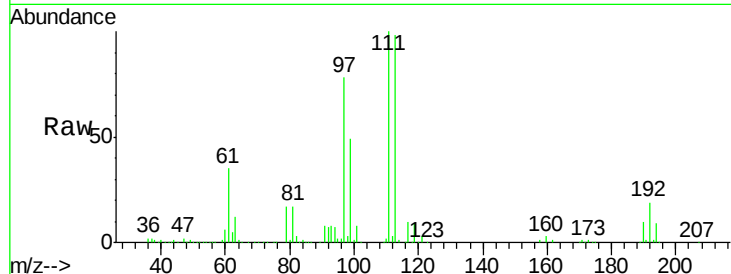
#35
Dibromofluoromethane
Concen: 48.20 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061318

Tot Ion	Ratio	Resp	Lower	Upper
113	100	622277		
111	103.2	82.4	123.6	
192	20.0	15.0	22.6	

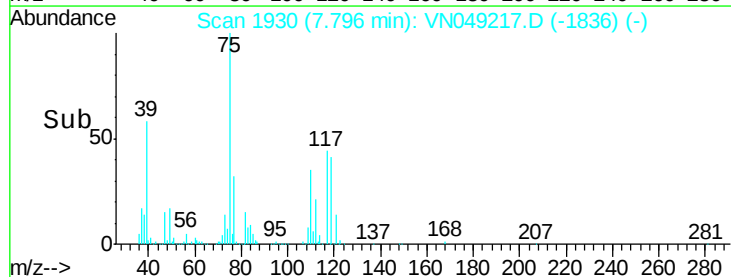
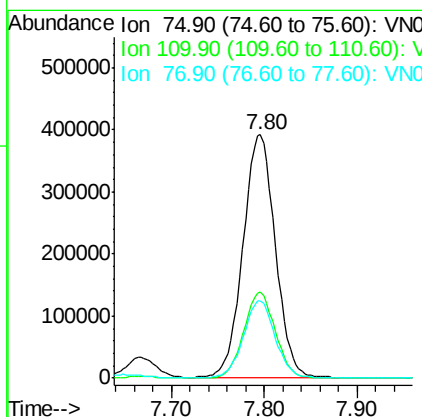
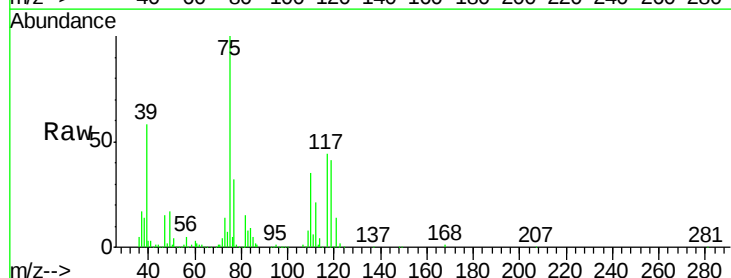
Manual Integrations
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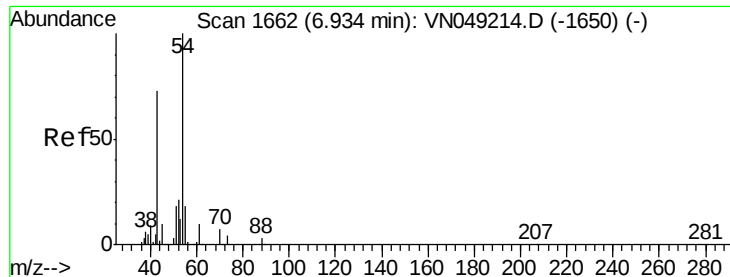
apatel
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#36
1,1-Dichloropropene
Concen: 48.50 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	945180		
110	34.7	17.0	50.9	
77	31.4	24.4	36.6	





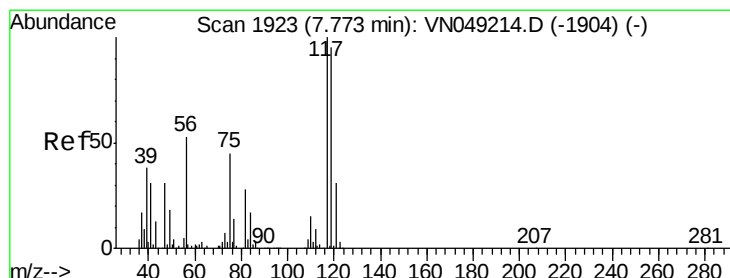
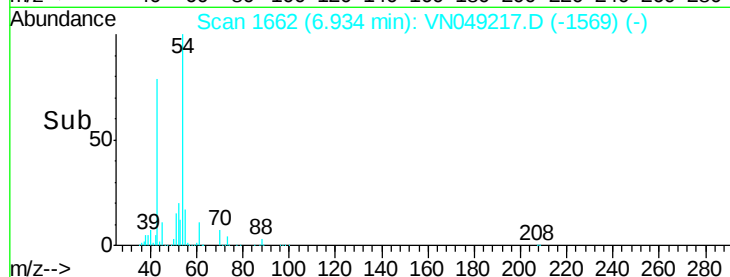
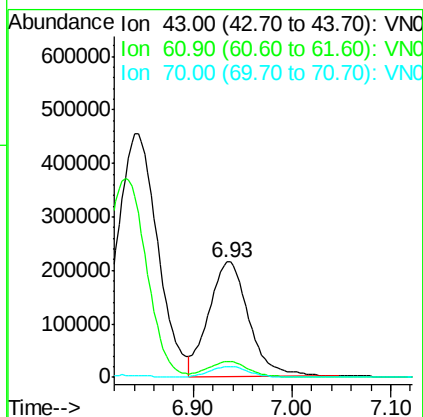
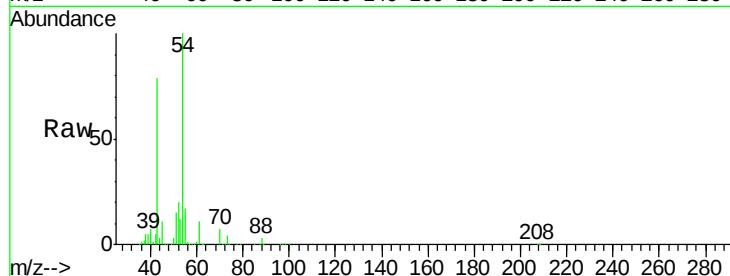
#37
Ethyl Acetate
Concen: 49.33 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampled :
ICVVN061318

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.4
70	9.6	7.2	10.8

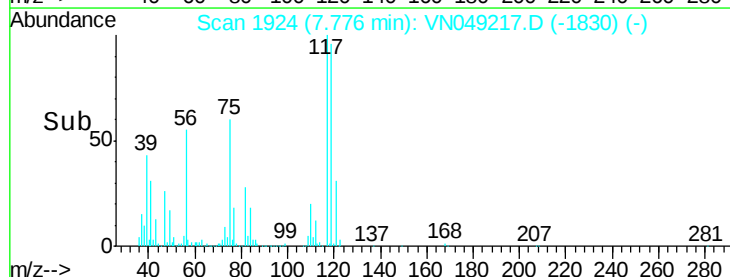
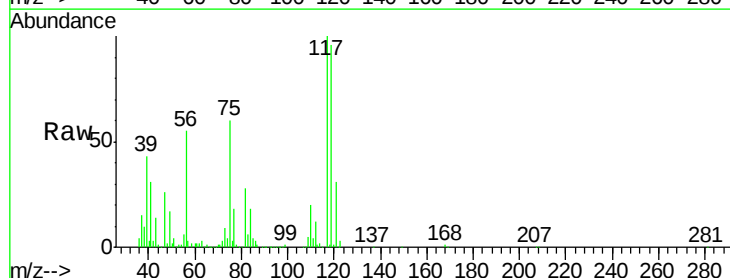
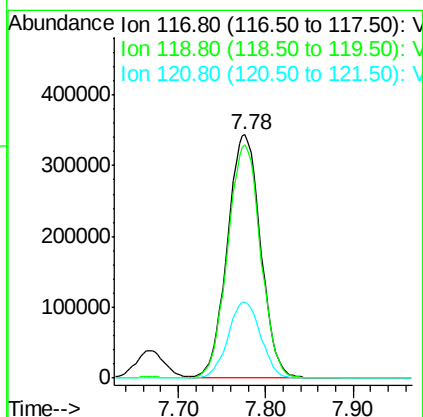
Manual Integrations
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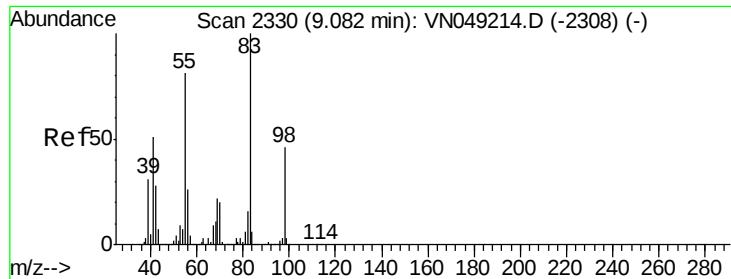
apatel
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#38
Carbon Tetrachloride
Concen: 46.13 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	75.6	113.4
121	31.3	24.7	37.1





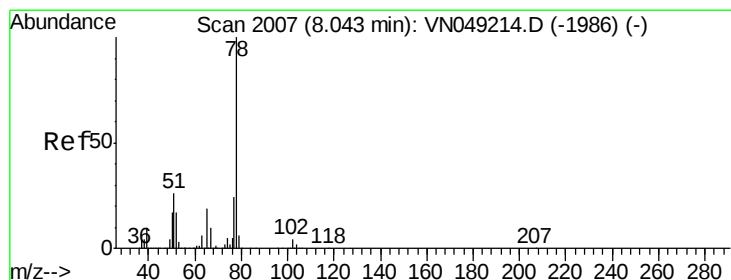
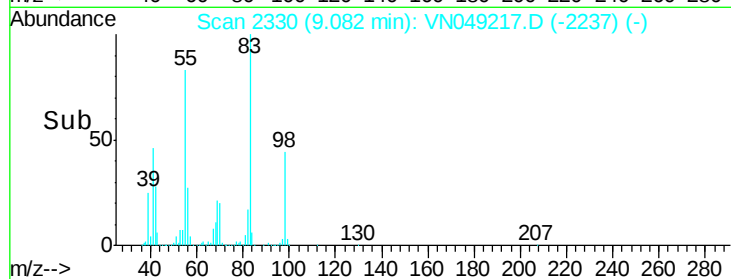
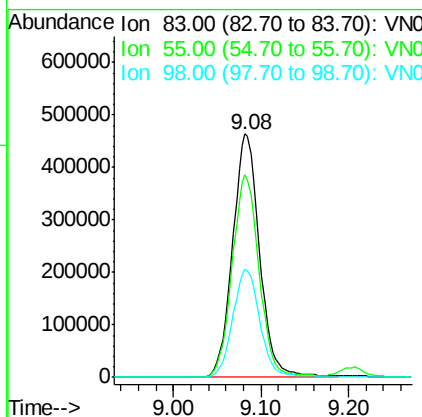
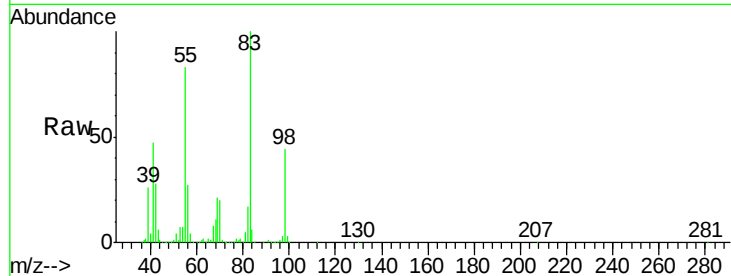
#39
Methvlcvclohexane
Concen: 49.41 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061318

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.1	65.1	97.7
98	44.3	36.5	54.7

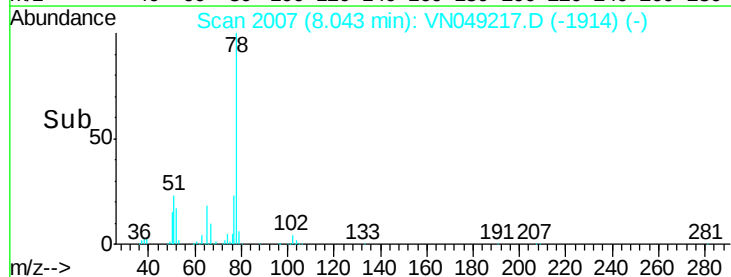
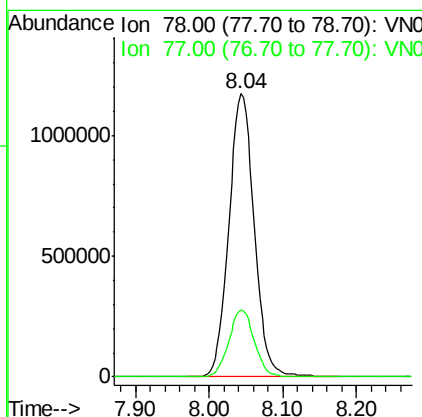
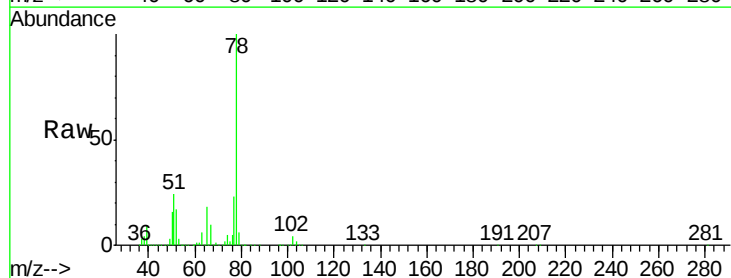
Manual Integrations
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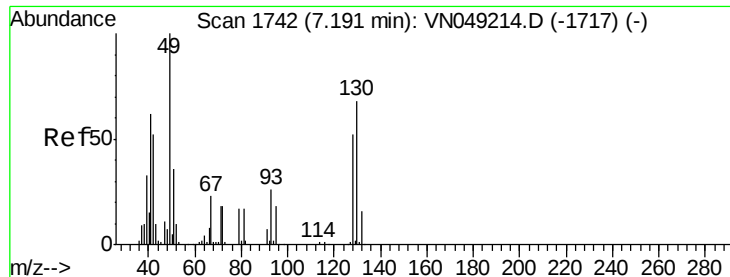
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#40
Benzene
Concen: 47.56 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





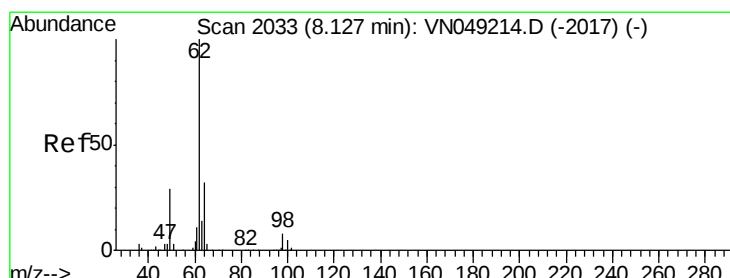
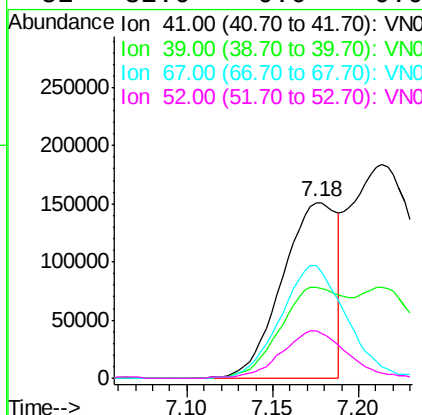
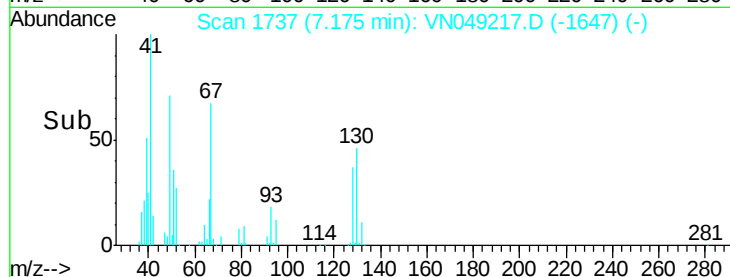
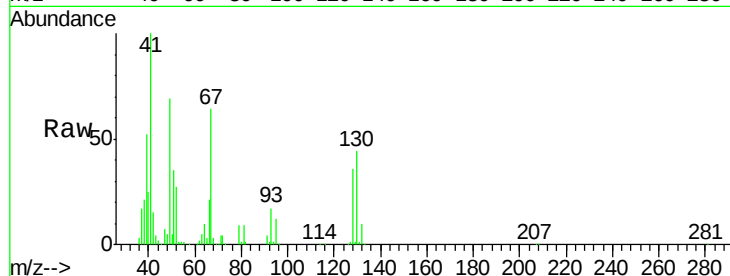
#41
Methacrylonitrile
Concen: 47.69 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061318

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.8	0.0	0.0#
67	78.7	0.0	0.0#
52	32.0	0.0	0.0#

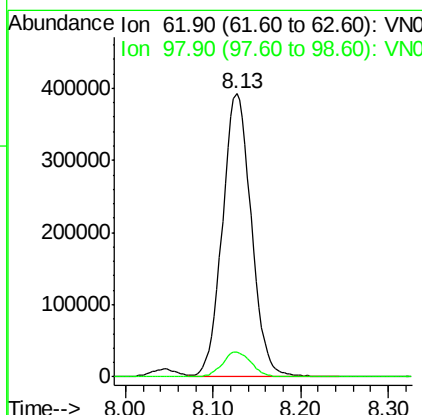
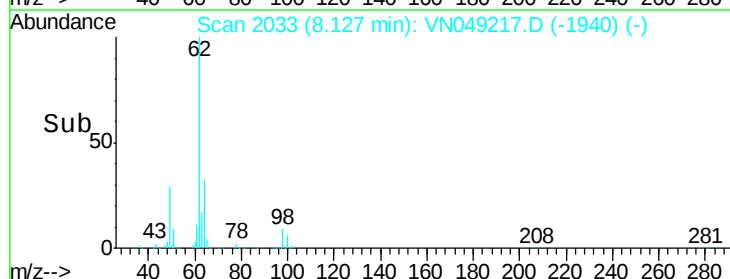
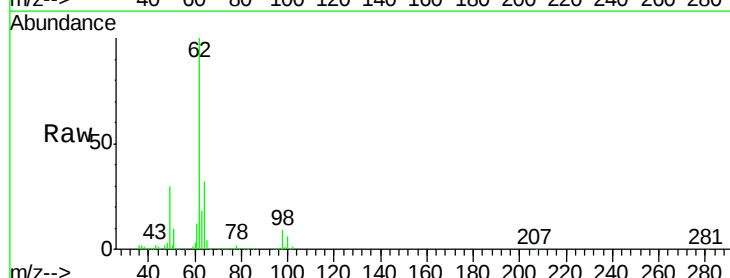
Manual Integrations
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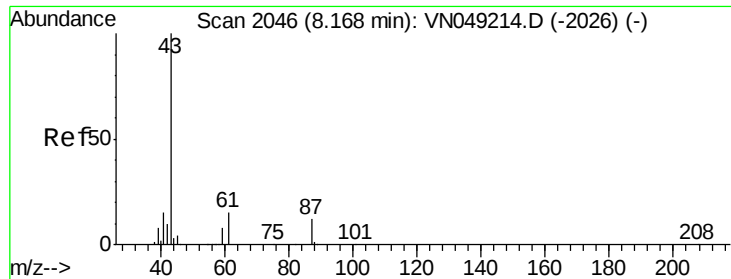
apatel
6/14/2018 5:07:36 PM



#42
1,2-Dichloroethane
Concen: 45.97 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.2





#43

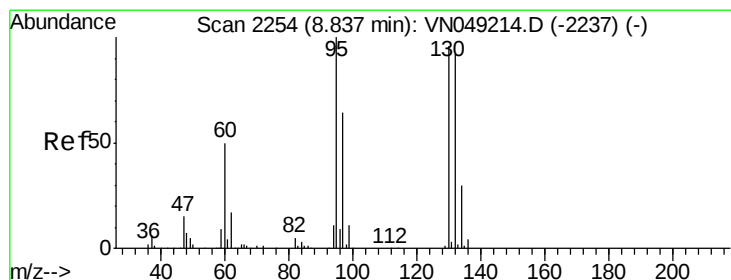
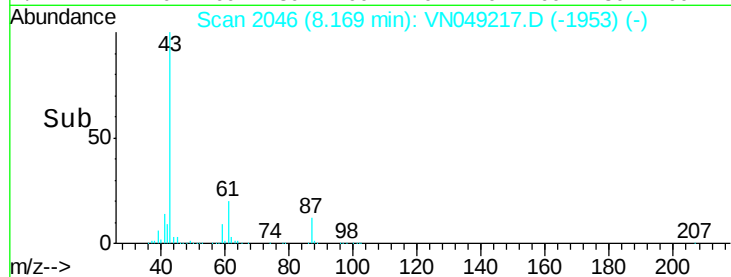
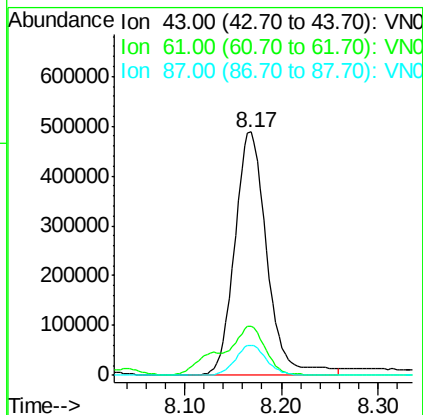
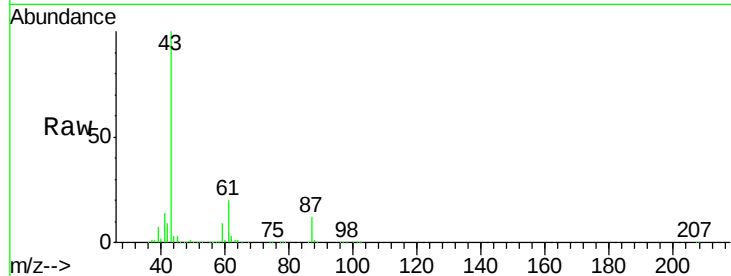
Isopropyl Acetate
 Concen: 49.86 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.2	21.4
87	11.9	9.4	14.0

Manual Integrations
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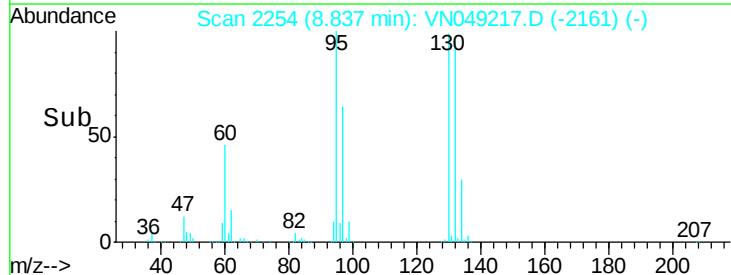
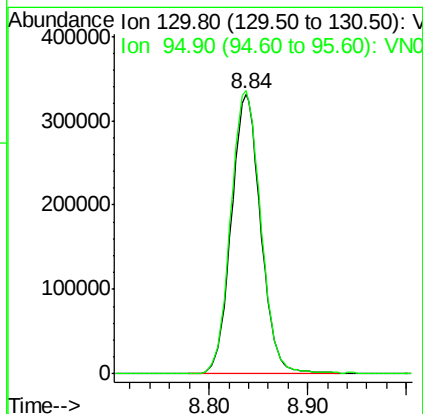
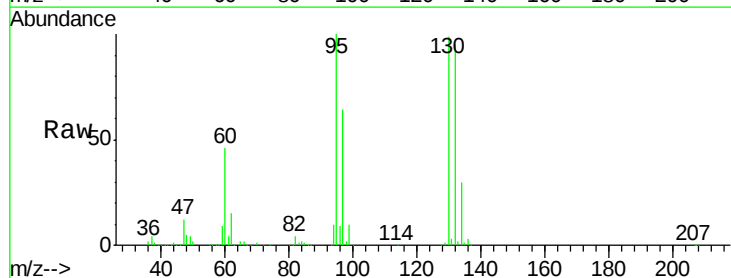
apatel
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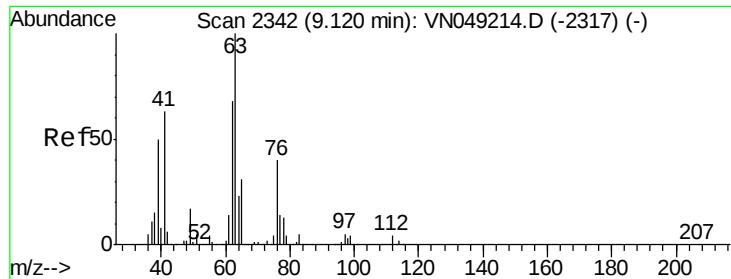


#44

Trichloroethene
 Concen: 46.37 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	208.6





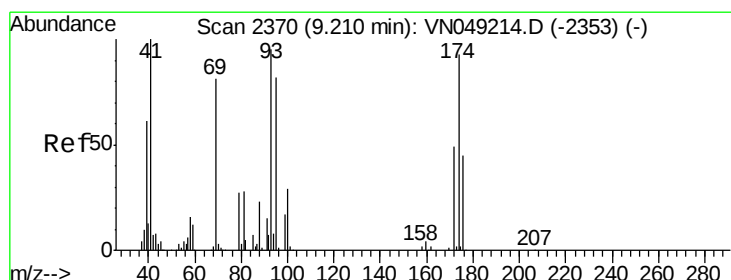
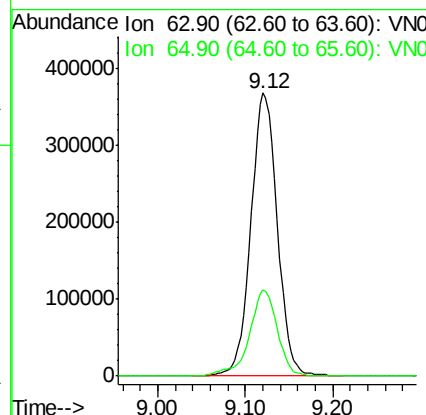
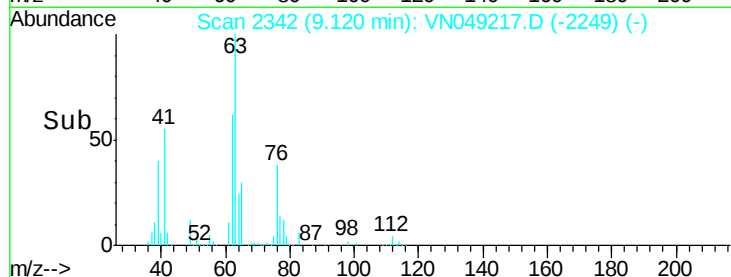
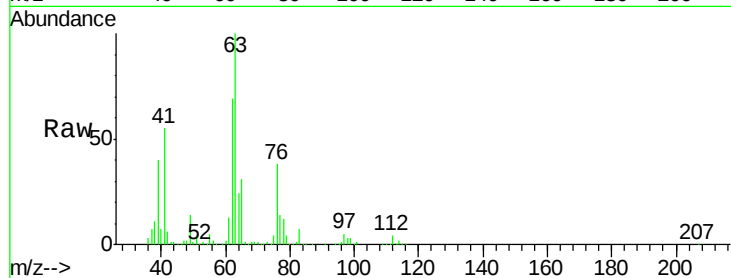
#45
 1,2-Dichloropropane
 Concen: 47.38 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.8	37.2

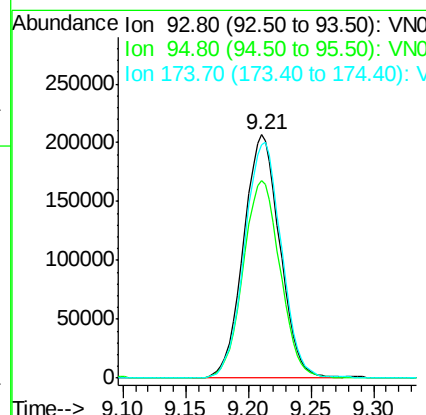
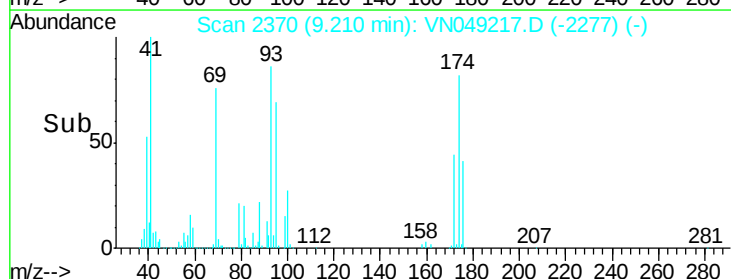
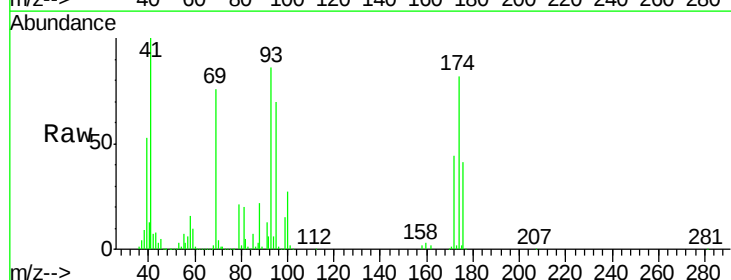
Manual Integrations
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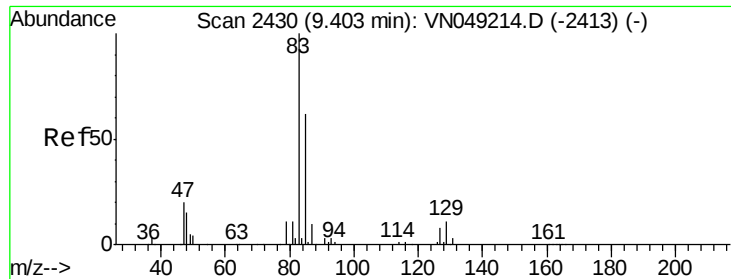
apatel
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#46
 Dibromomethane
 Concen: 46.42 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.2	100.8
174	98.6	75.6	113.4





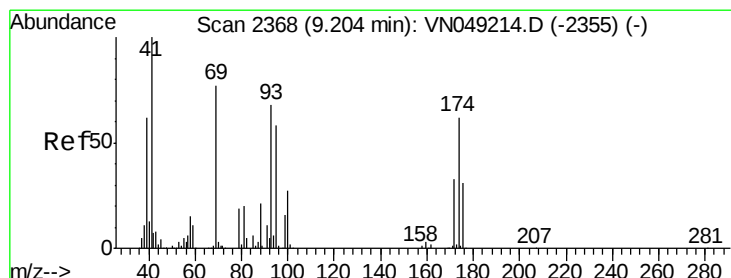
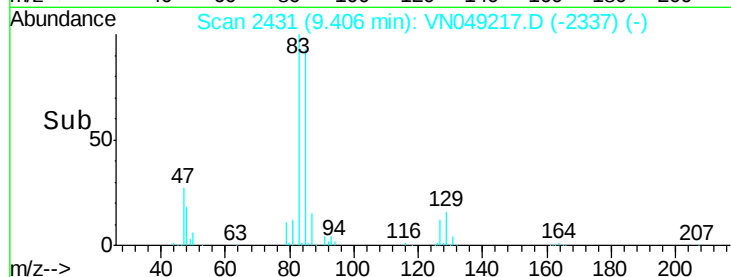
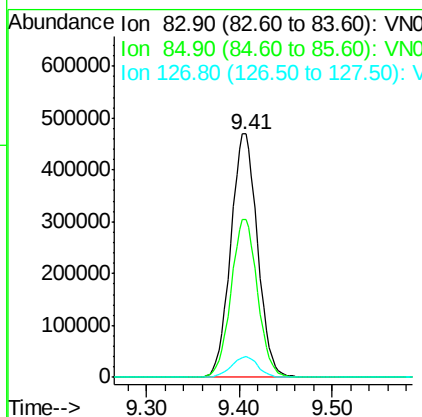
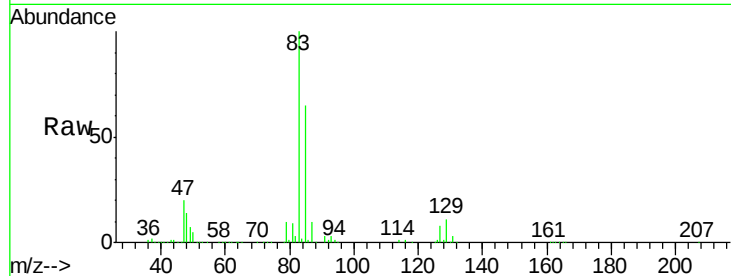
#47
 Bromodichloromethane
 Concen: 46.40 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion	83	Resp	937615
Ion Ratio	100	Lower	Upper
85	65.0	49.4	74.0
127	8.4	6.3	9.5

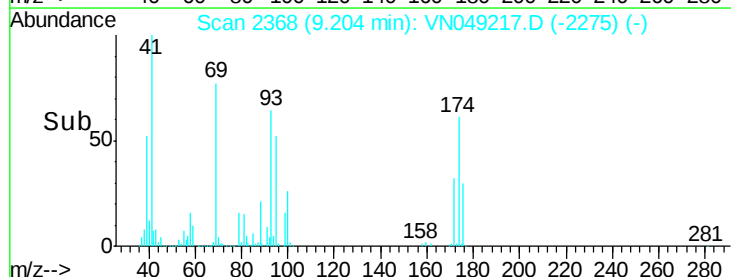
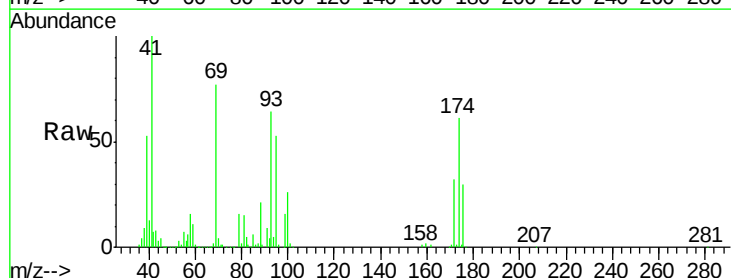
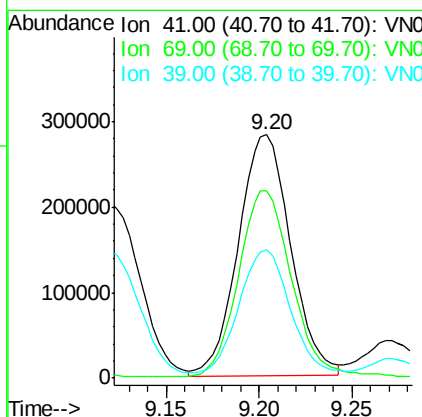
Manual Integrations
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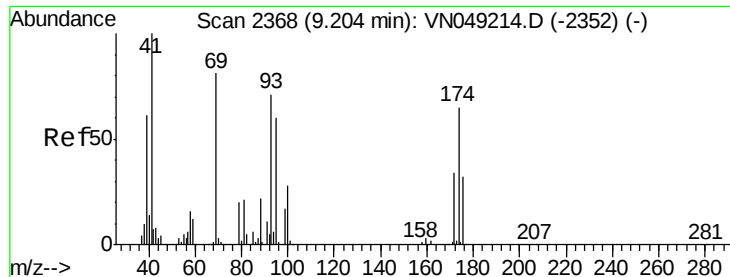
apatel
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#48
 Methyl methacrylate
 Concen: 50.58 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion	41	Resp	559043
Ion Ratio	100	Lower	Upper
69	79.5	62.0	93.0
39	53.3	50.6	75.8





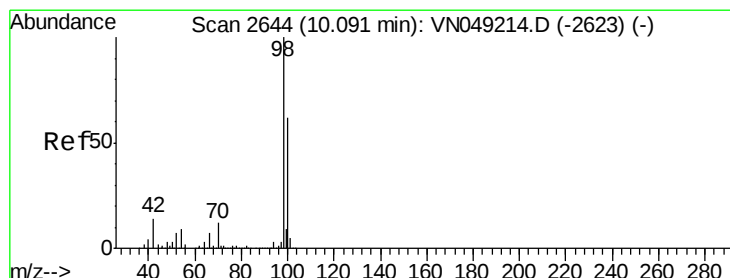
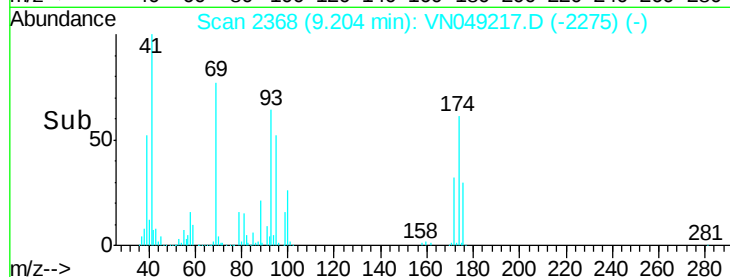
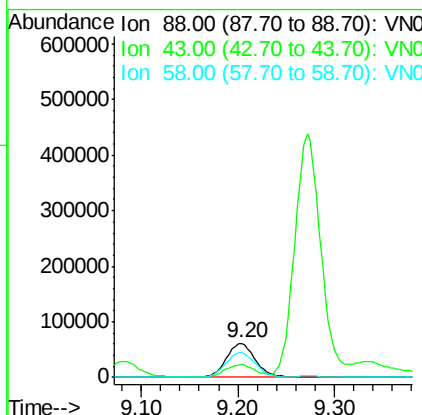
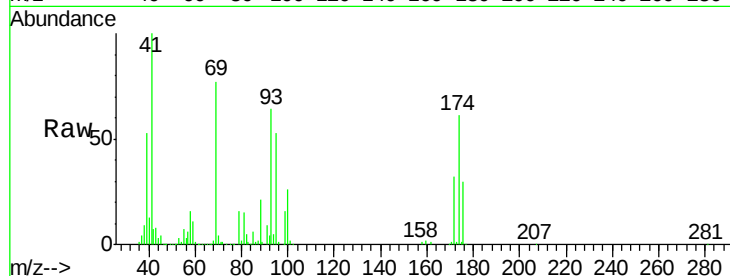
#49
1,4-Dioxane
Concen: 978.64 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampled :
ICVVN061318

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	30.9	46.3
58	74.3	58.9	88.3

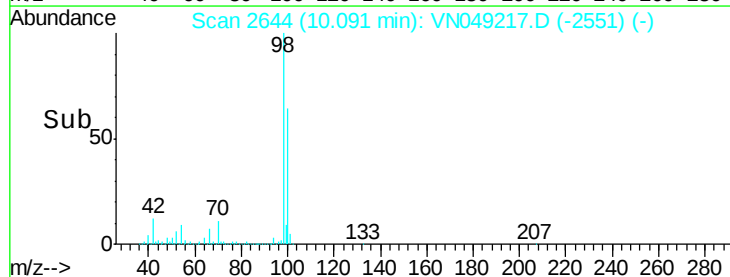
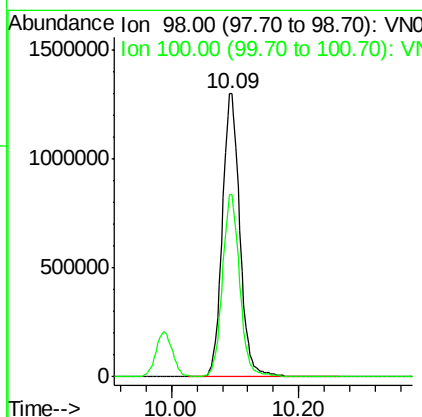
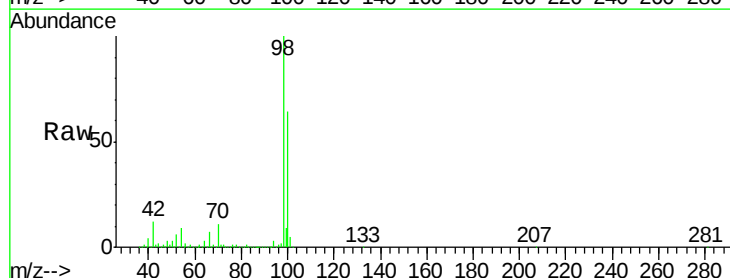
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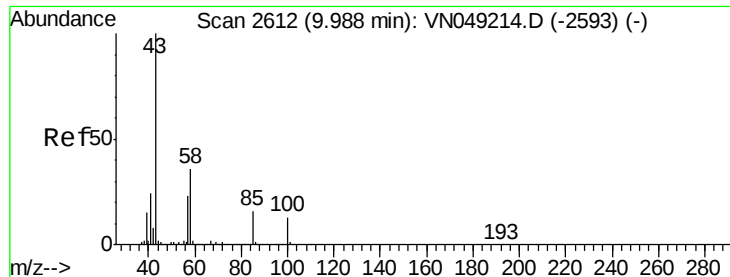
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#50
Toluene-d8
Concen: 49.39 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 251.09 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampled :

ICVVN061318

Tot Ion: 43 Resp: 3024677

Ion Ratio Lower Upper

43 100

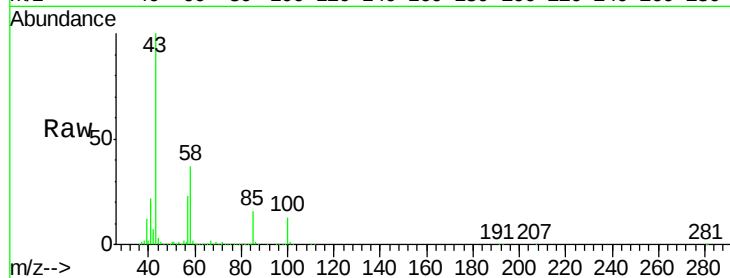
58 37.6 29.0 43.6

Manual Integrations

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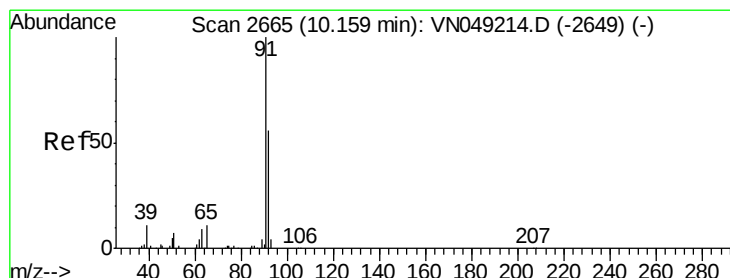
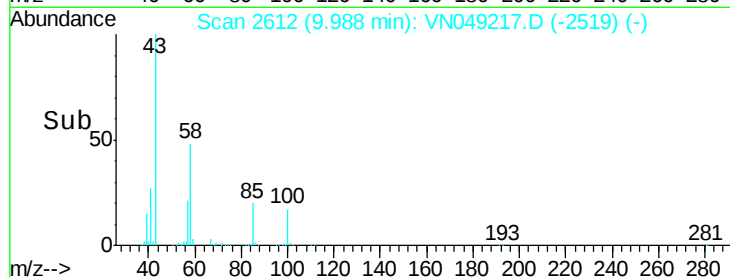
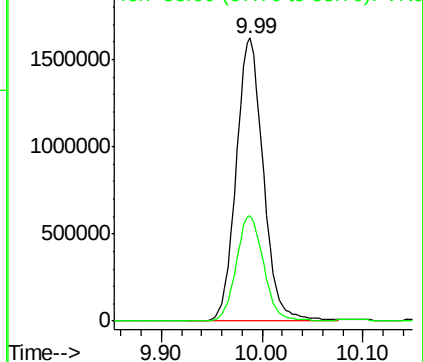
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.56 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049217.D

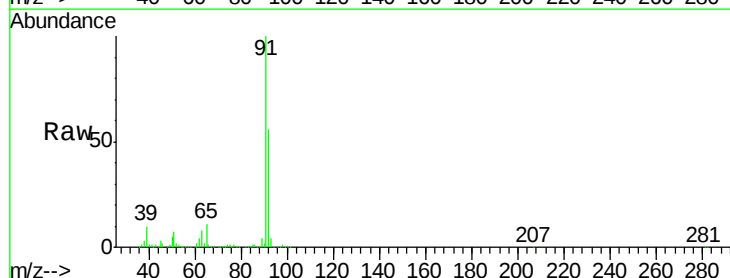
Acq: 13 Jun 2018 22:44

Tgt Ion: 92 Resp: 1702573

Ion Ratio Lower Upper

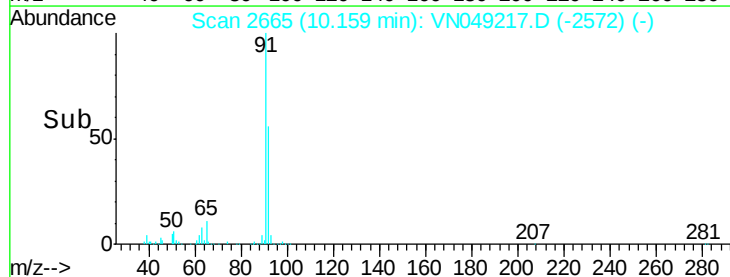
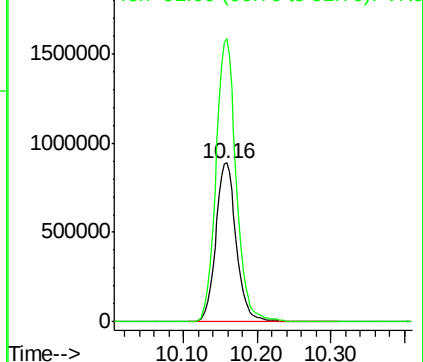
92 100

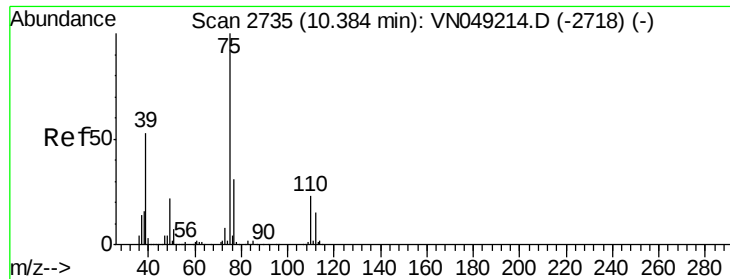
91 176.9 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 49.63 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampled :

ICVVN061318

Tot Ion: 75 Resp: 953452

Ion Ratio Lower Upper

75 100

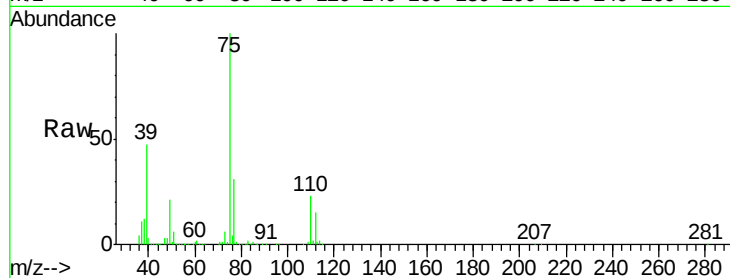
77 31.0 25.2 37.8

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

500000

400000

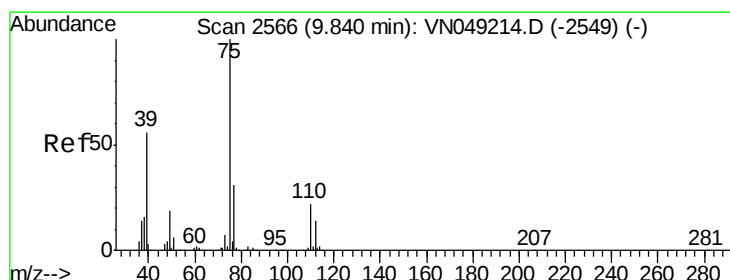
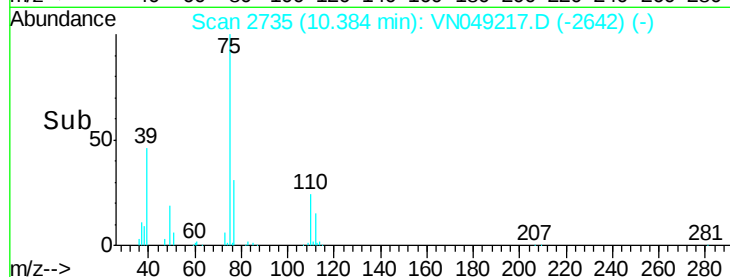
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.92 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

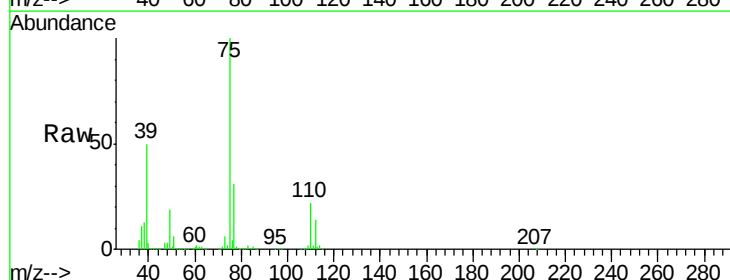
Tgt Ion: 75 Resp: 1111443

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2

39 49.5 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

800000

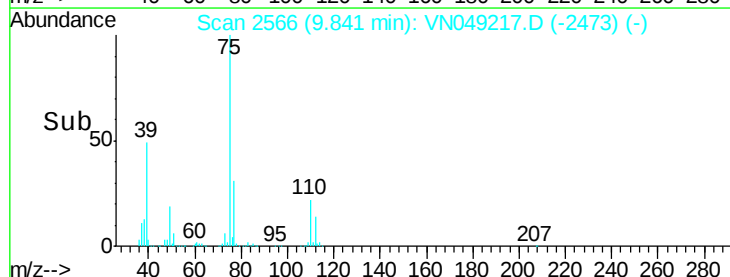
600000

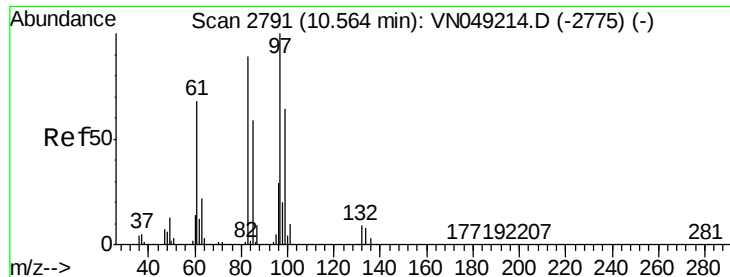
400000

200000

0

Time-->





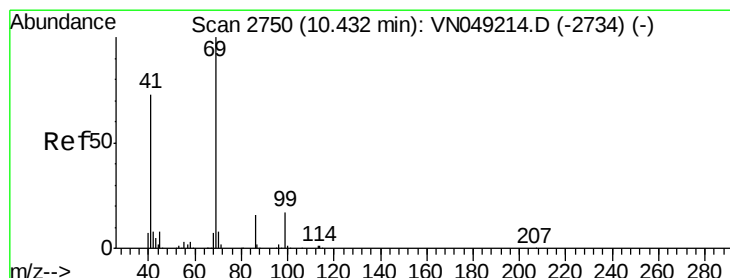
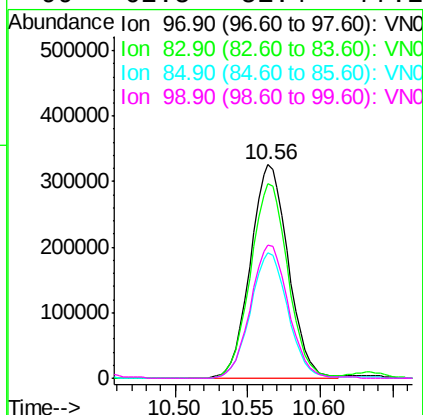
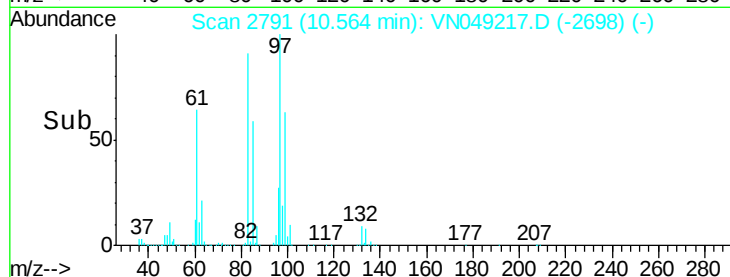
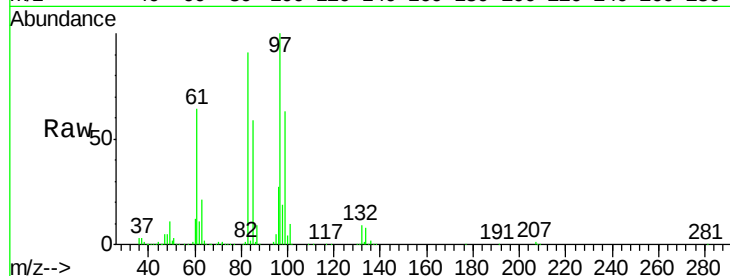
#55
 1,1,2-Trichloroethane
 Concen: 46.98 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion:	97	Resp:	592319
Ion	Ratio	Lower	Upper
97	100		
83	91.0	71.5	107.3
85	58.7	47.0	70.4
99	62.5	51.4	77.2

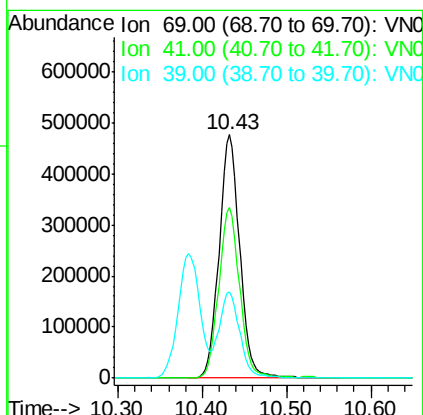
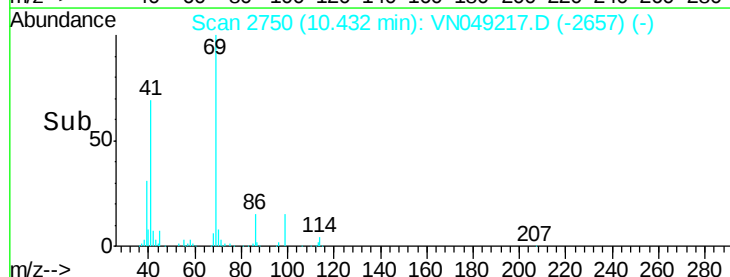
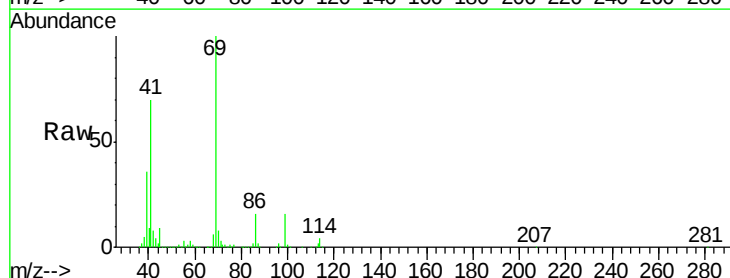
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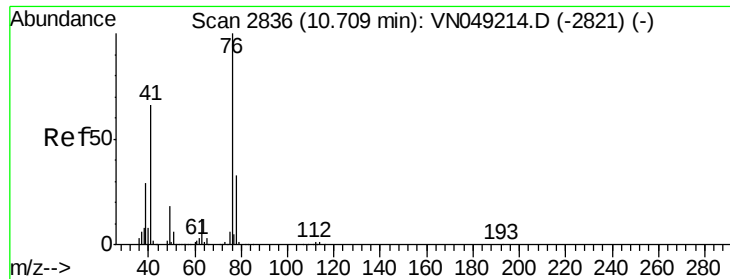
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#56
 Ethyl methacrylate
 Concen: 53.38 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion:	69	Resp:	811186
Ion	Ratio	Lower	Upper
69	100		
41	69.7	58.4	87.6
39	35.5	35.5	53.3#





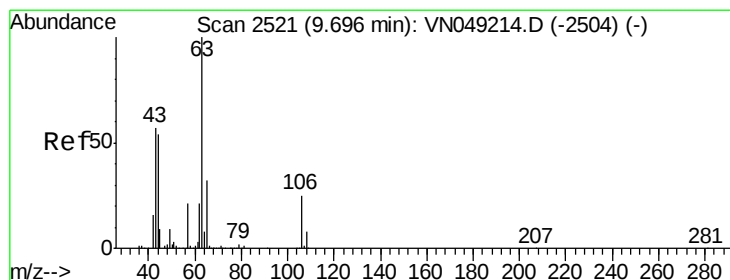
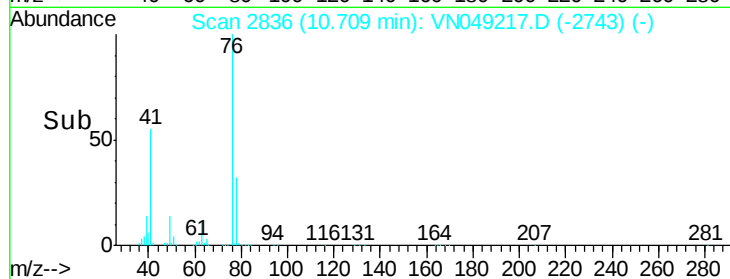
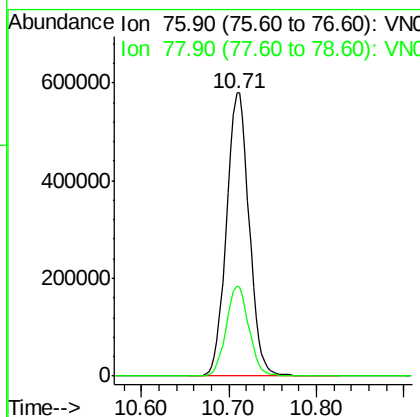
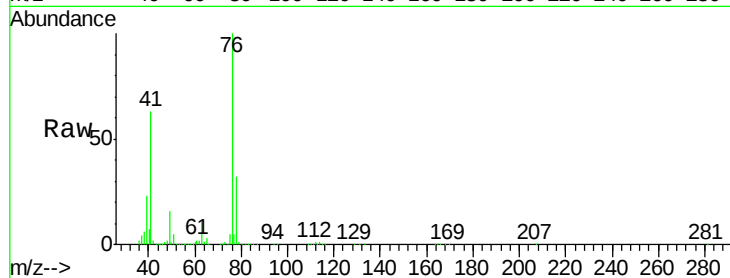
#57
 1,3-Dichloropropane
 Concen: 48.34 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion: 76 Resp: 1044948
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5

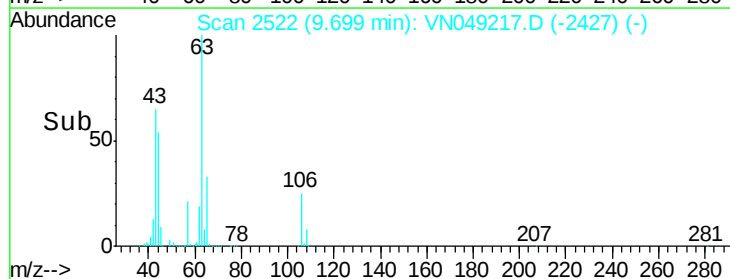
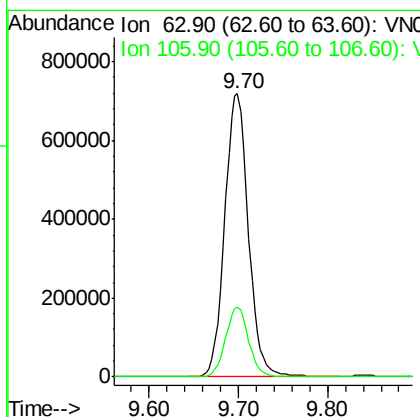
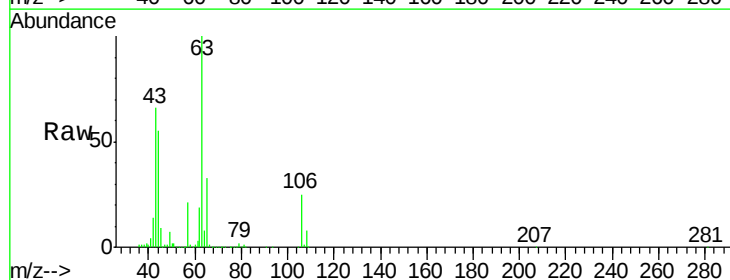
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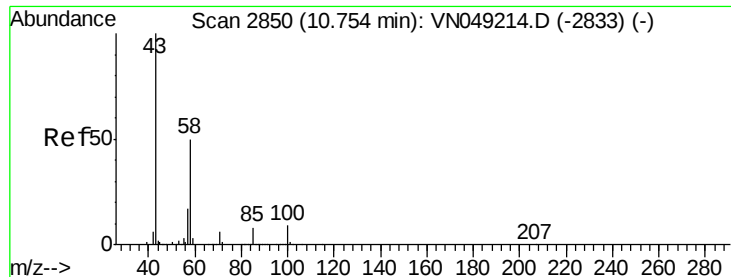
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 229.64 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion: 63 Resp: 1319014
 Ion Ratio Lower Upper
 63 100
 106 23.9 19.4 29.2





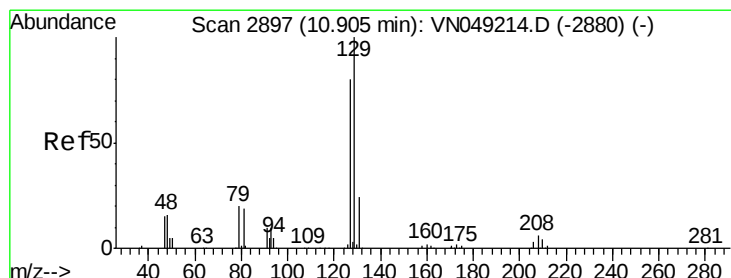
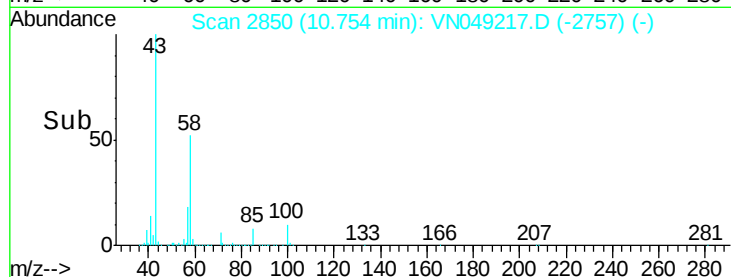
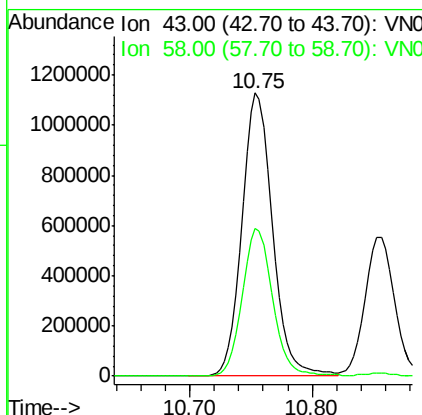
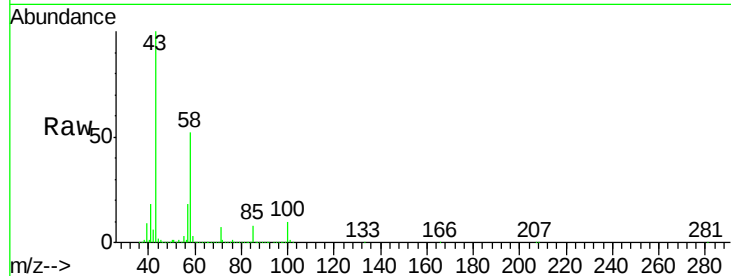
#59
2-Hexanone
Concen: 258.91 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061318

Tot Ion: 43 Resp: 1943373
Ion Ratio Lower Upper
43 100
58 52.0 25.2 75.6

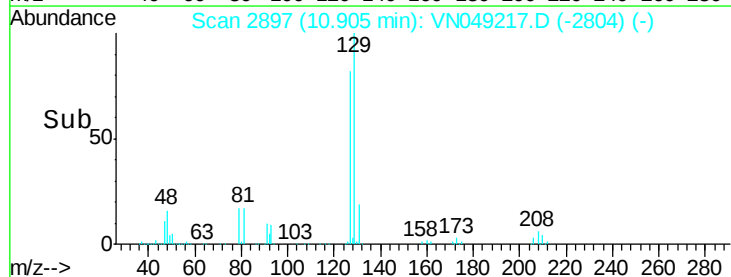
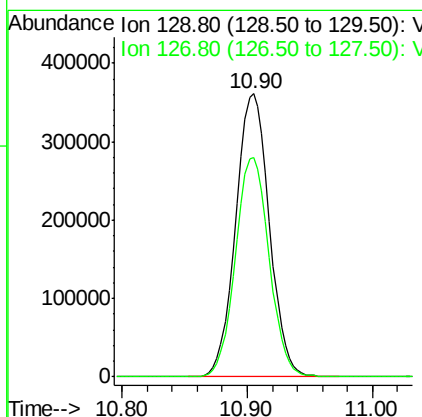
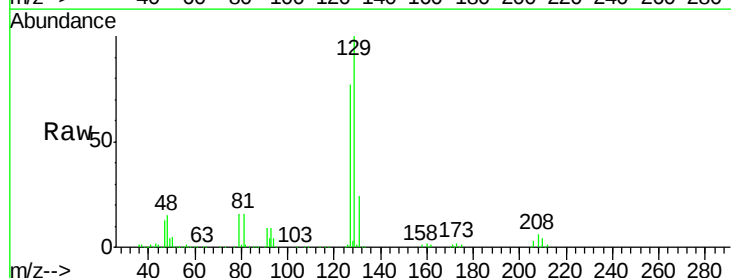
Manual Integrations
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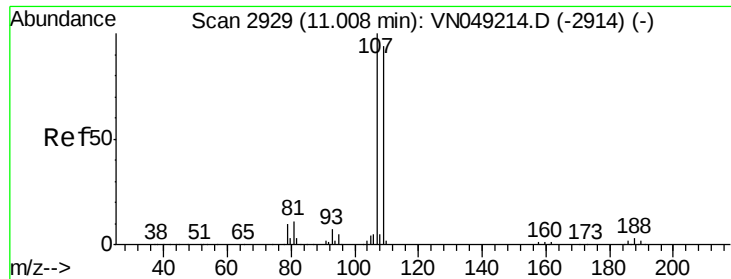
apatel
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#60
Dibromochloromethane
Concen: 48.25 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion: 129 Resp: 674532
Ion Ratio Lower Upper
129 100
127 77.7 39.1 117.2





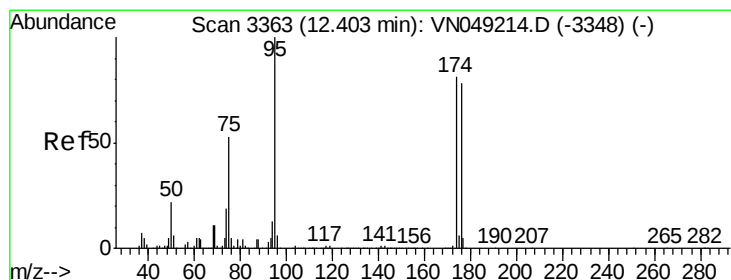
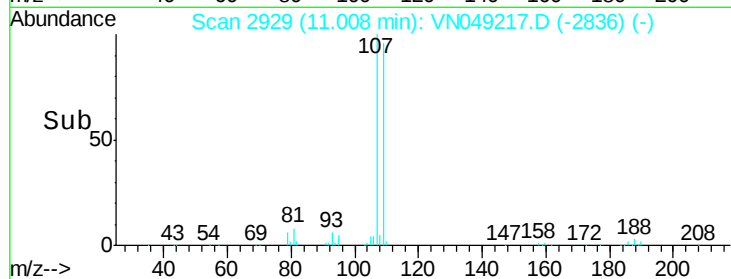
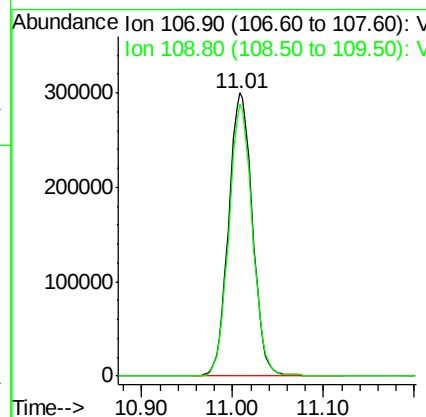
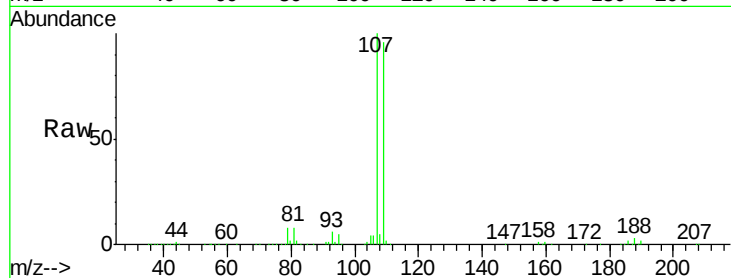
#61
 1,2-Dibromoethane
 Concen: 46.98 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.2

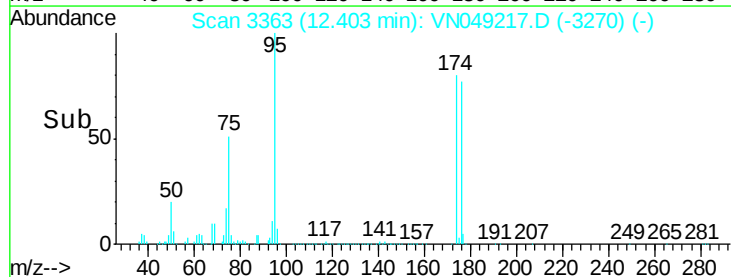
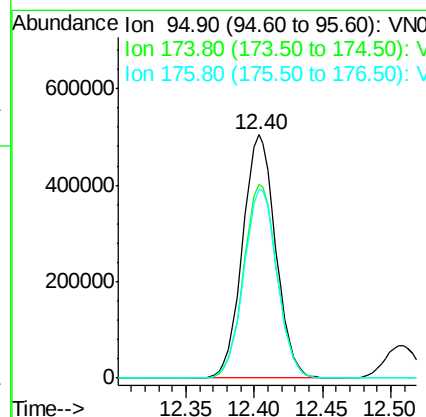
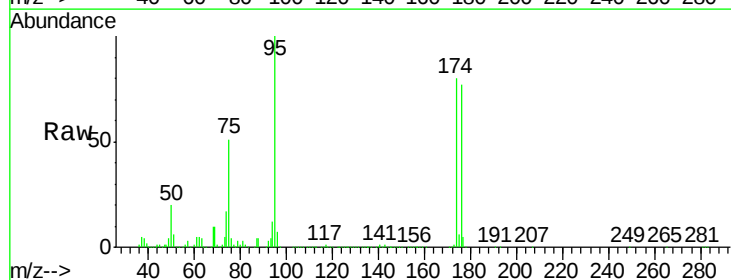
Manual Integrations
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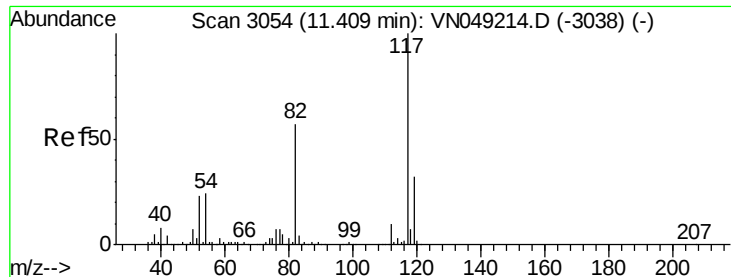
apatel
 6/14/2018 5:07:36 PM



#62
 4-Bromofluorobenzene
 Concen: 50.83 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.5	0.0	165.6
176	78.4	0.0	157.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampled :

ICVVN061318

Tot Ion:117 Resp: 1435730

Ion Ratio Lower Upper

117 100

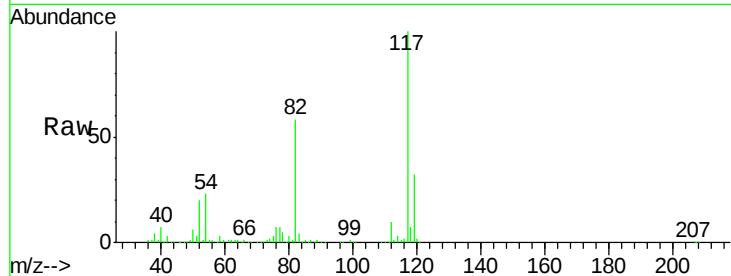
82 57.7 45.9 68.9

119 32.2 25.5 38.3

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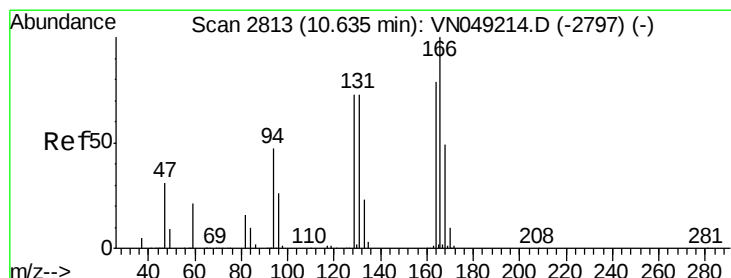
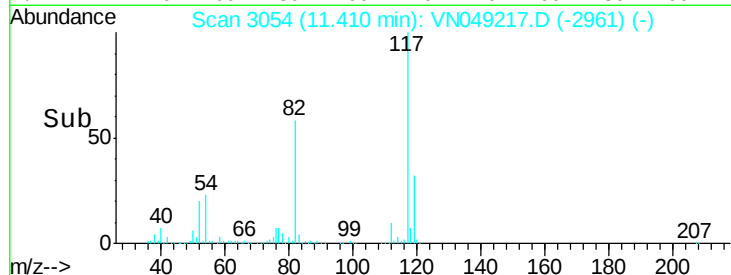
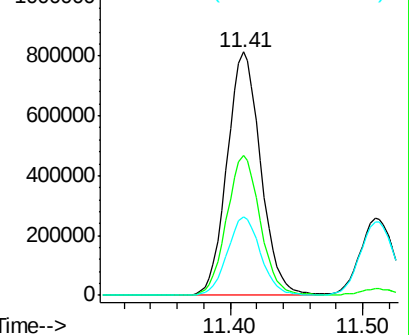
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 46.18 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Tgt Ion:164 Resp: 664262

Ion Ratio Lower Upper

164 100

166 128.0 101.4 152.2

129 93.0 74.1 111.1

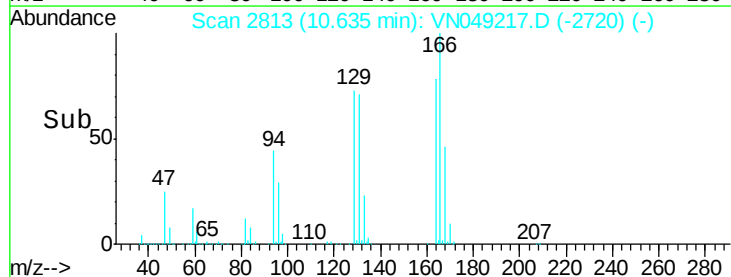
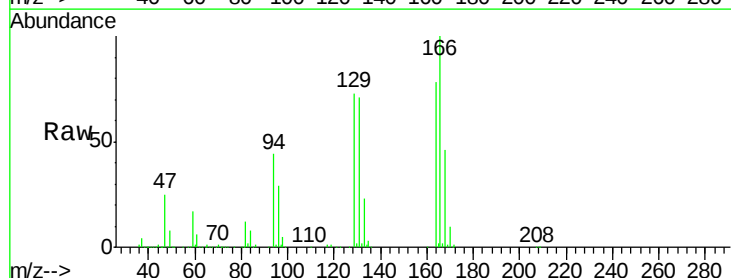
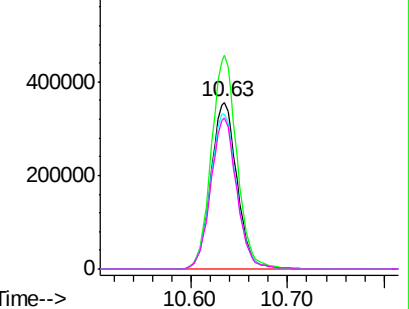
131 90.4 73.7 110.5

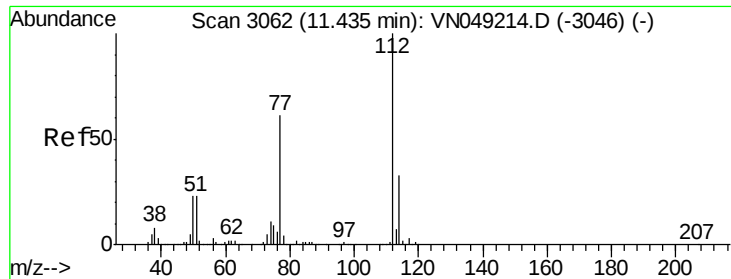
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.36 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion:112 Resp: 1791015

Ion Ratio Lower Upper

112 100

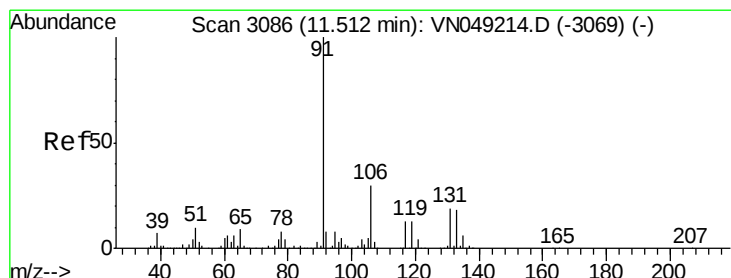
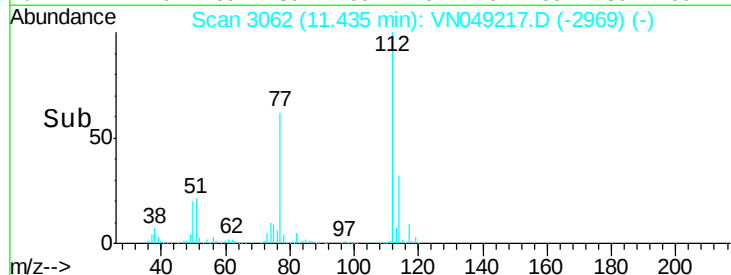
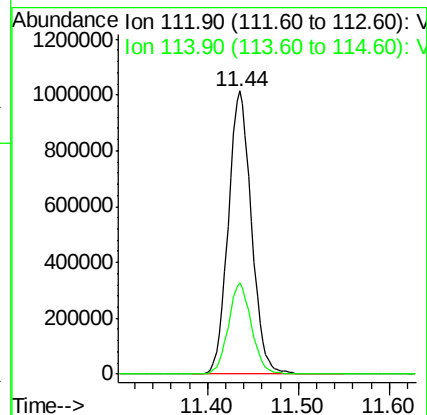
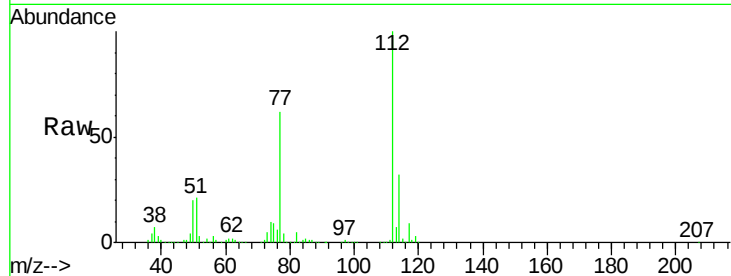
114 32.1 26.2 39.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 47.08 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

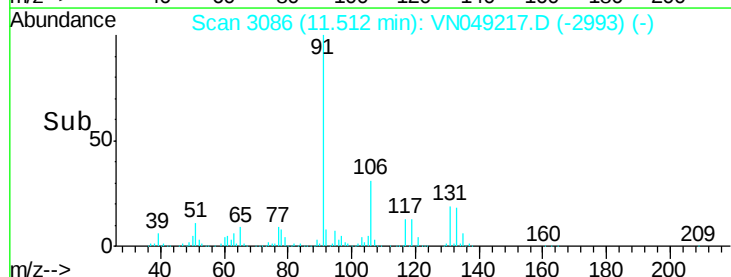
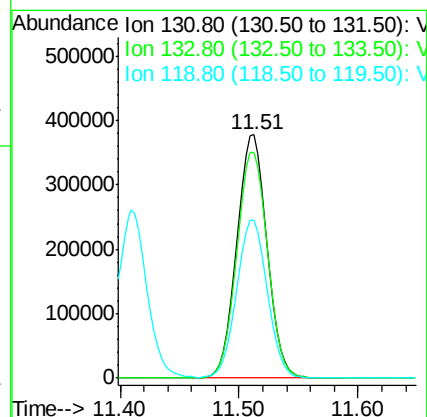
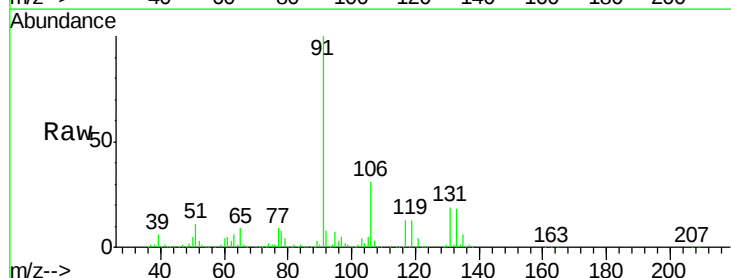
Tgt Ion:131 Resp: 663225

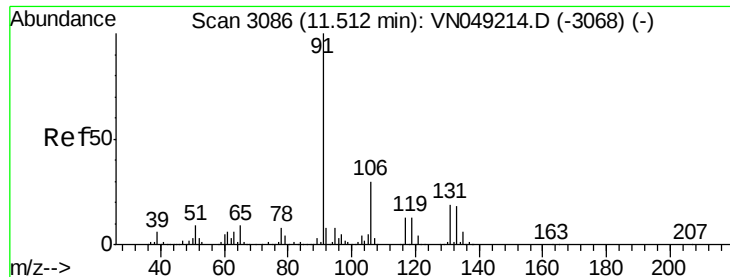
Ion Ratio Lower Upper

131 100

133 94.9 48.0 144.2

119 66.1 33.6 100.8





#67

Ethyl Benzene

Concen: 51.71 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampled :

ICVVN061318

Tot Ion: 91 Resp: 3304016

Ion Ratio Lower Upper

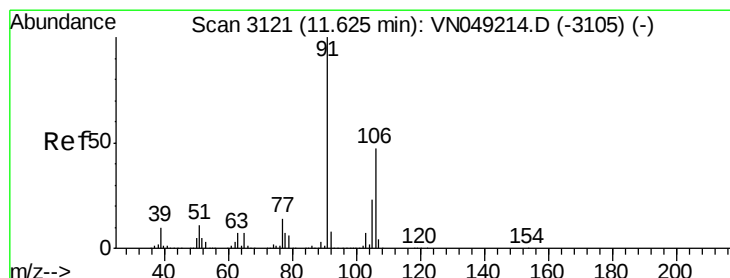
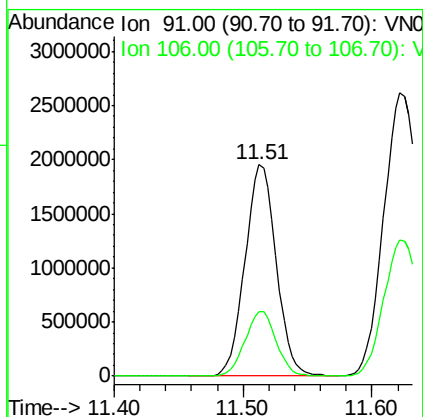
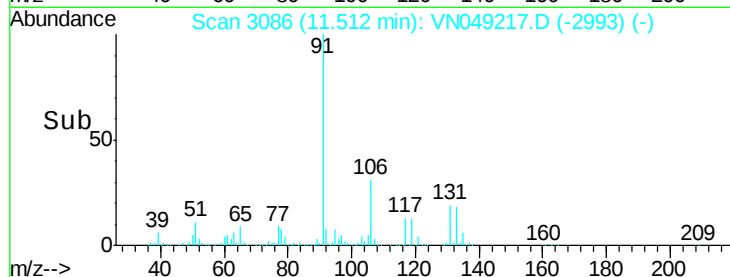
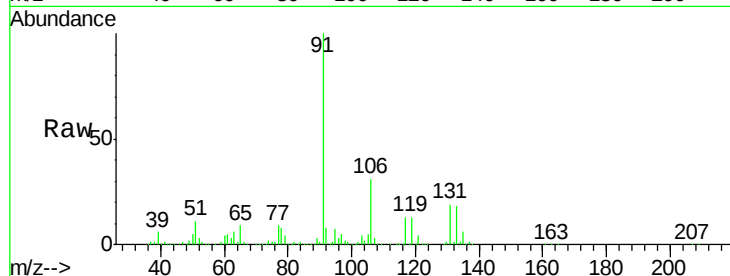
91 100

106 30.5 23.9 35.9

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#68

m/p-Xylenes

Concen: 105.23 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN049217.D

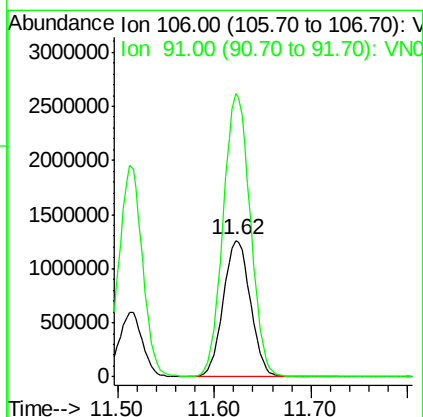
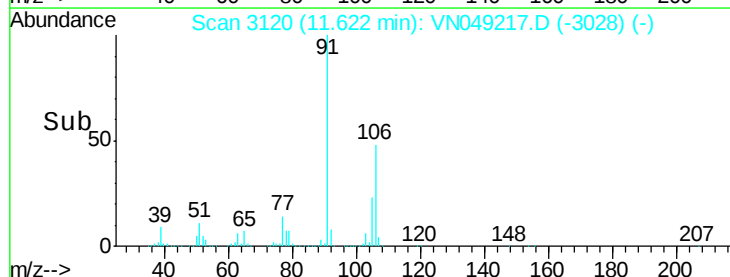
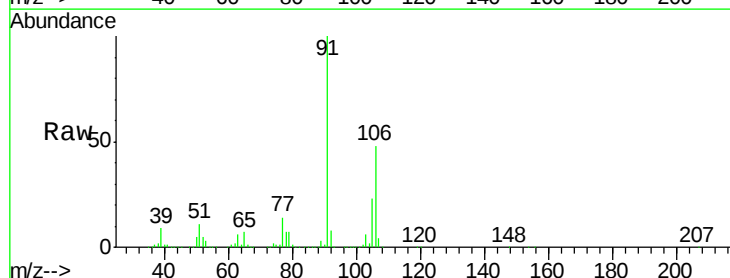
Acq: 13 Jun 2018 22:44

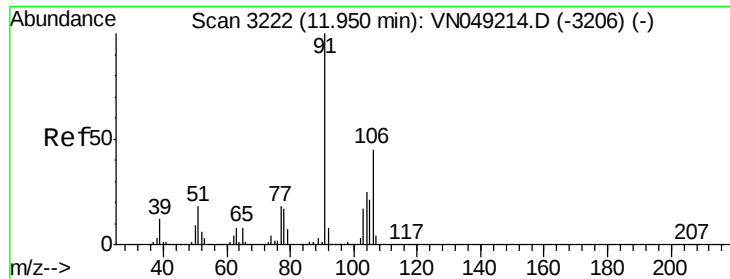
Tgt Ion: 106 Resp: 2458794

Ion Ratio Lower Upper

106 100

91 207.5 167.3 250.9





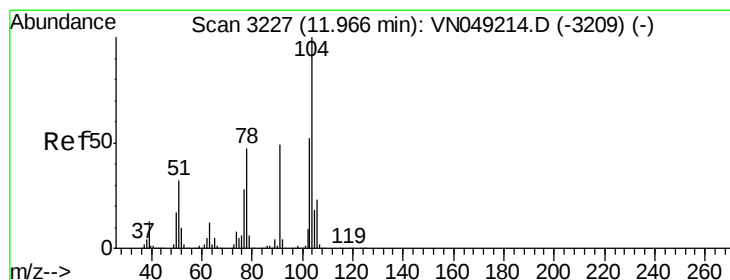
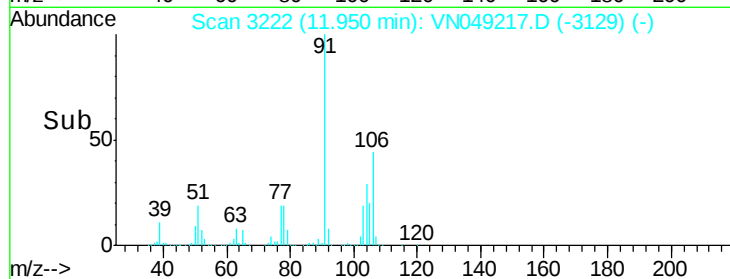
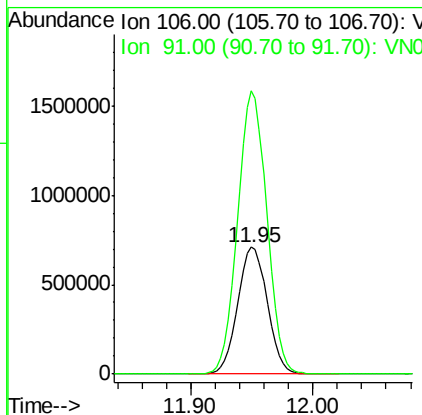
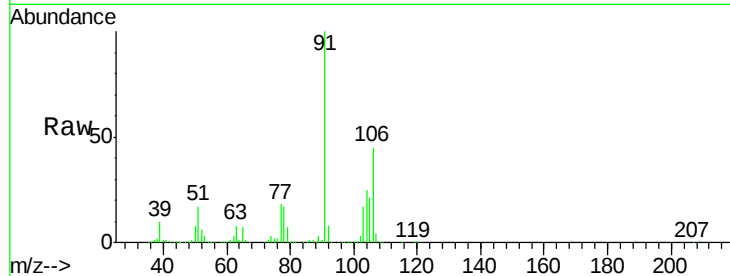
#69
o-Xylene
Concen: 52.88 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampled :
ICVVN061318

Tot Ion:106 Resp: 1189976
Ion Ratio Lower Upper
106 100
91 219.8 111.0 333.0

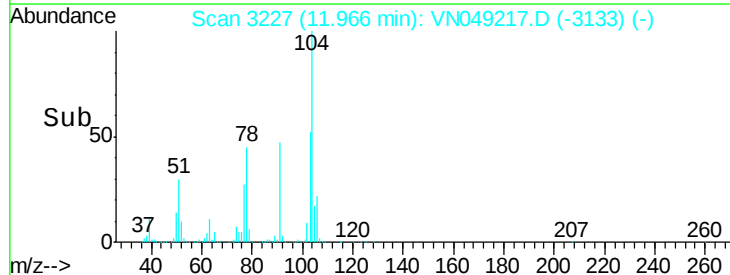
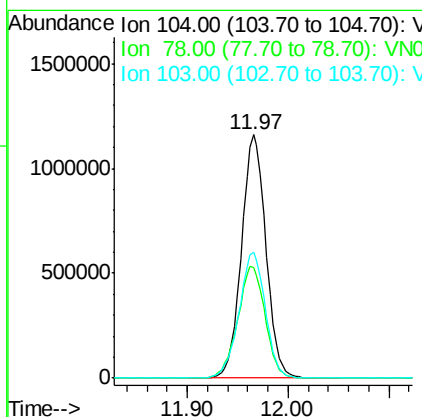
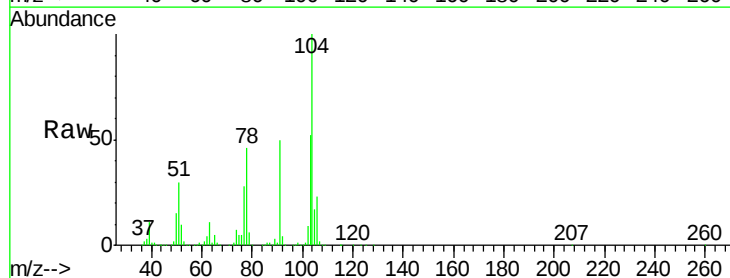
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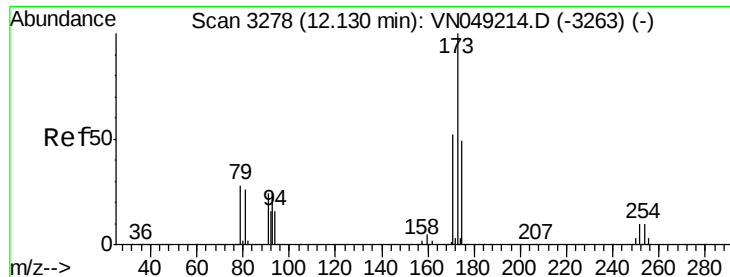
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#70
Styrene
Concen: 54.33 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion:104 Resp: 1935546
Ion Ratio Lower Upper
104 100
78 51.4 41.6 62.4
103 56.2 45.4 68.2





#71

Bromoform

Concen: 49.56 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

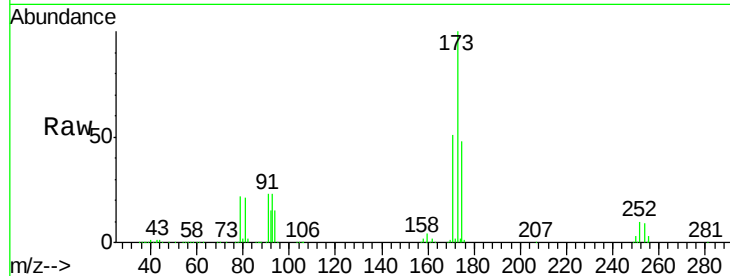
ClientSampleId :

ICVVN061318

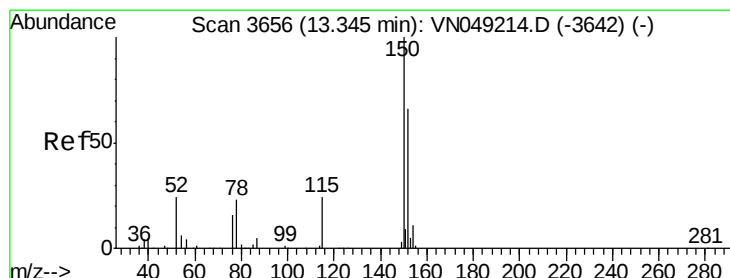
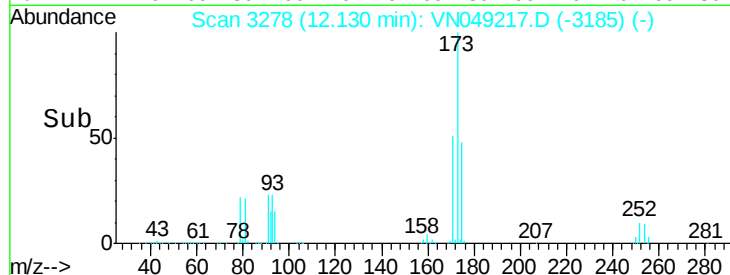
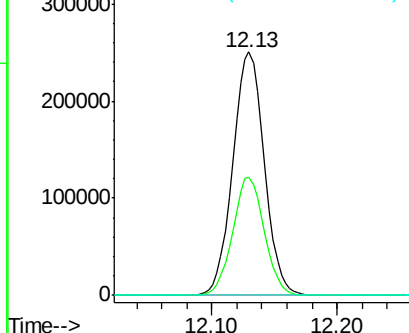
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.1	0.1	0.1

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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

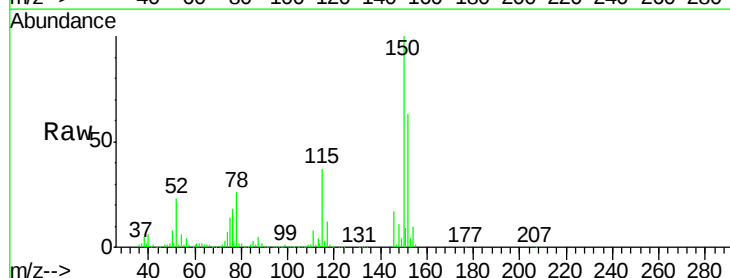
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

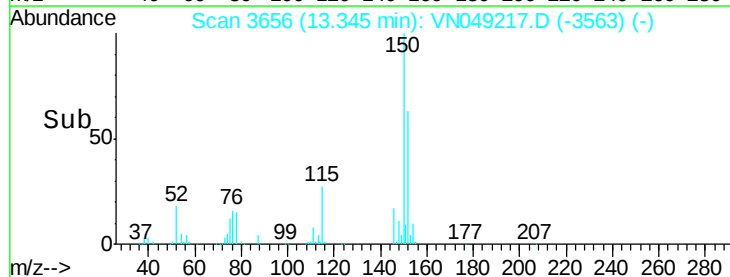
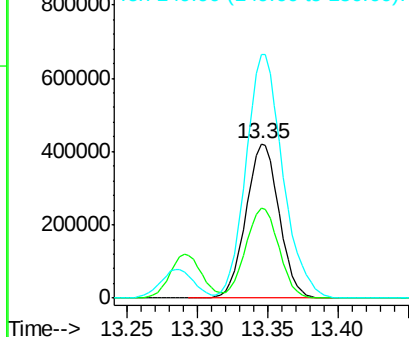
Lab File: VN049217.D

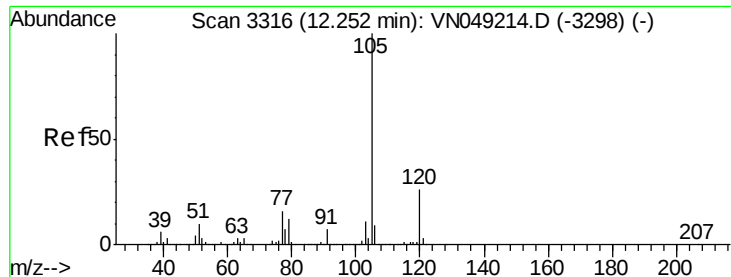
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.7	86.1
150	175.8	0.0	351.0



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: 48.00 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion:105 Resp: 3191728

Ion Ratio Lower Upper

105 100

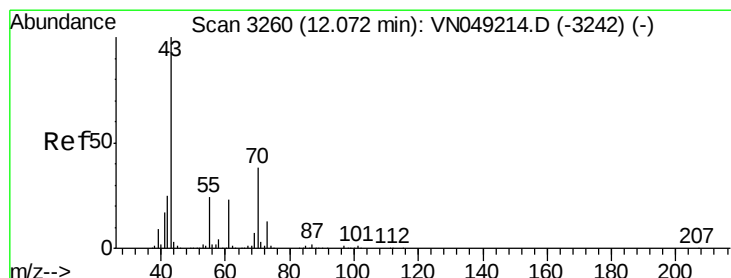
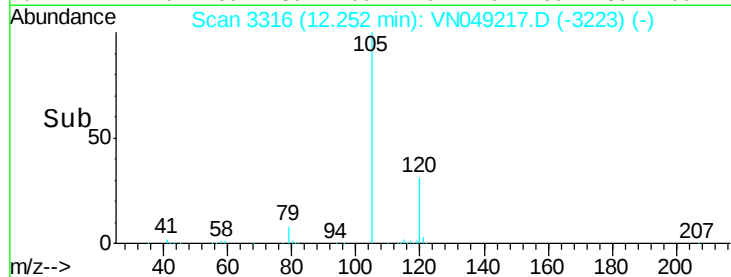
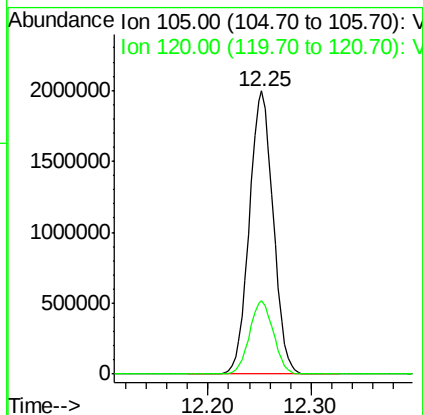
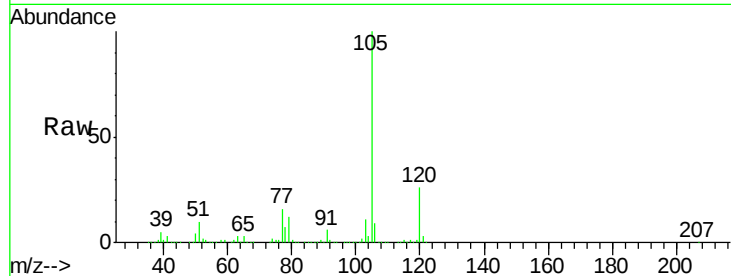
120 25.9 12.8 38.3

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#74

N-ethyl acetate

Concen: 51.79 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Tgt Ion: 43 Resp: 981067

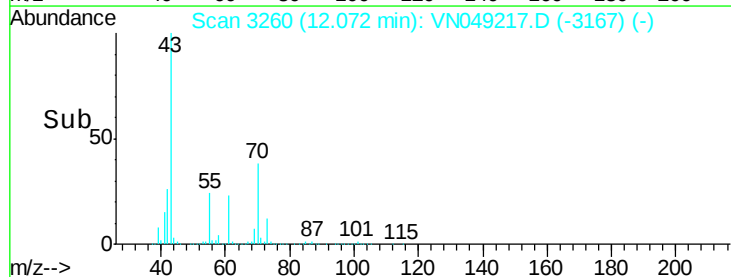
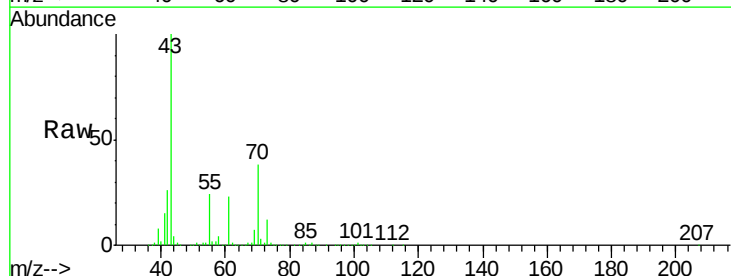
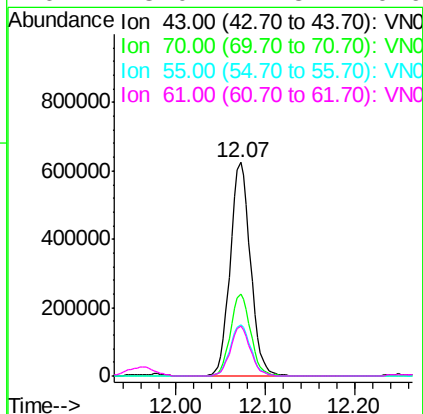
Ion Ratio Lower Upper

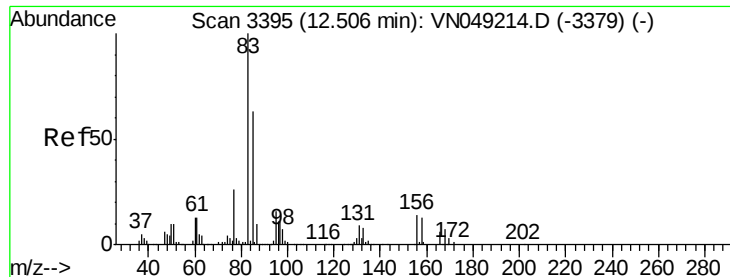
43 100

70 38.1 30.3 45.5

55 24.6 19.4 29.2

61 23.0 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 54.19 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

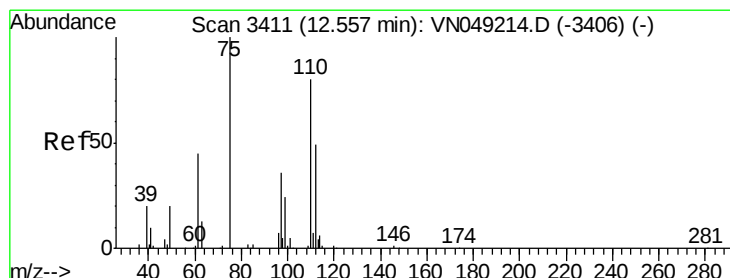
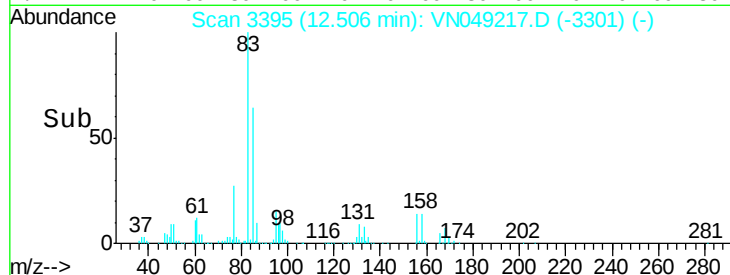
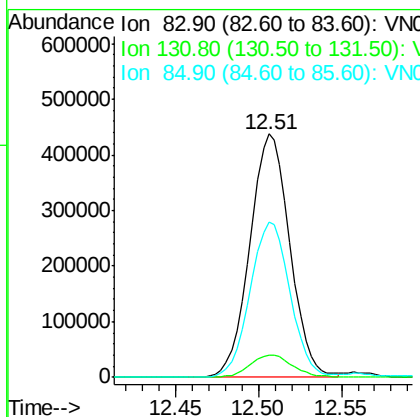
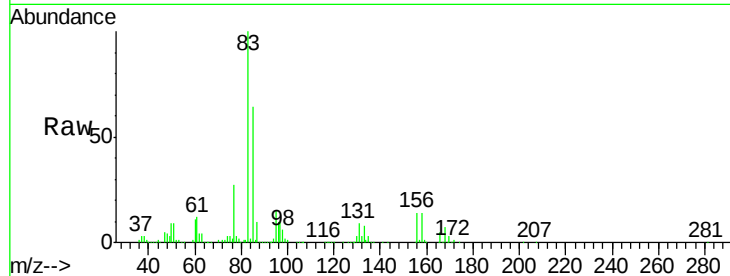
ClientSampleId :

ICVVN061318

Tot Ion:	83	Resp:	734941
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	64.0	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 53.47 ug/l m

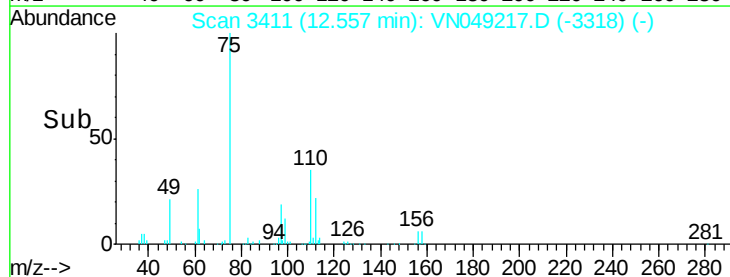
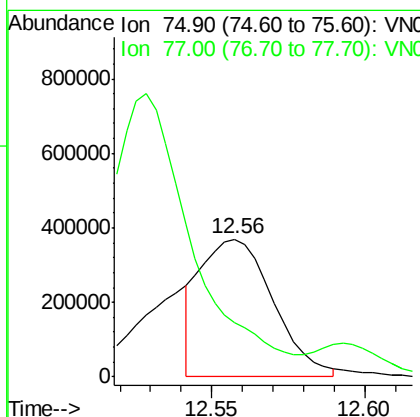
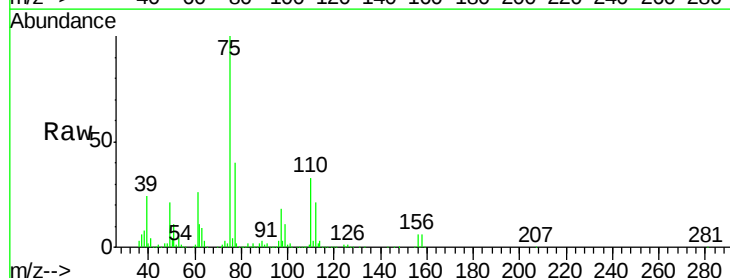
RT: 12.56 min Scan# 3411

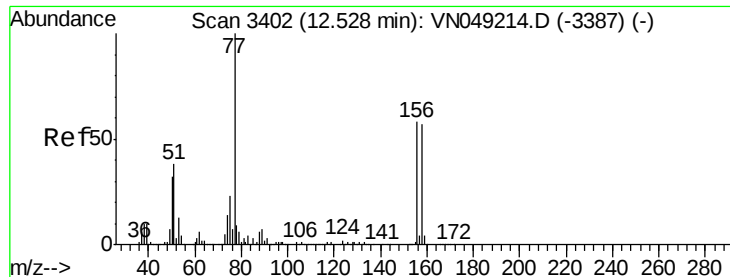
Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Tgt Ion:	75	Resp:	611322
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.11 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

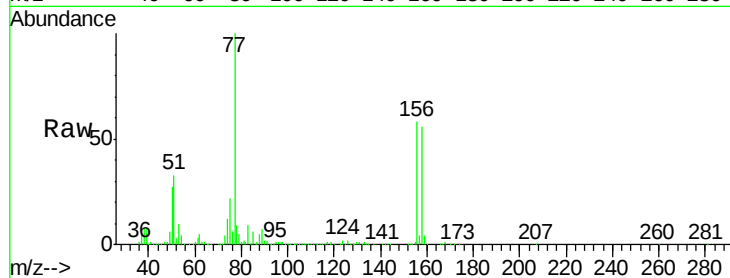
ClientSampleId :

ICVVN061318

Tot Ion:	156	Resp:	737573
Ion Ratio	Lower	Upper	
156	100		
77	204.1	100.8	302.4
158	98.0	49.3	147.9

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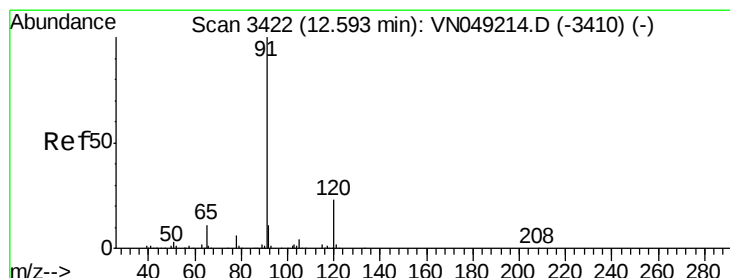
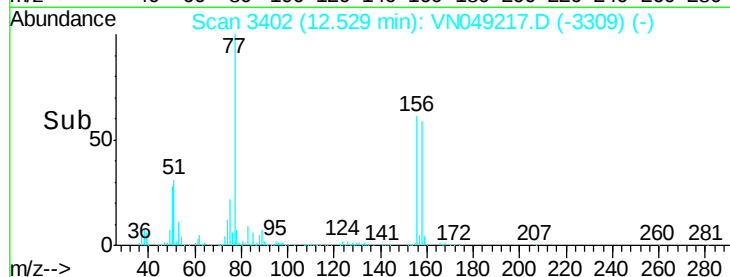
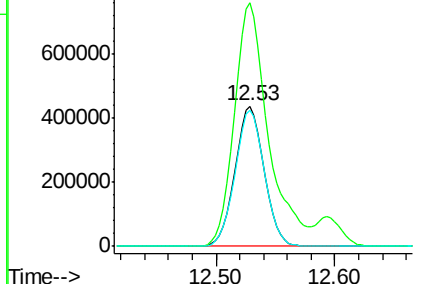
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.18 ug/l

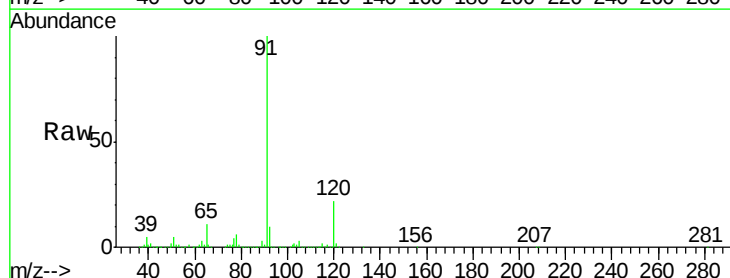
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049217.D

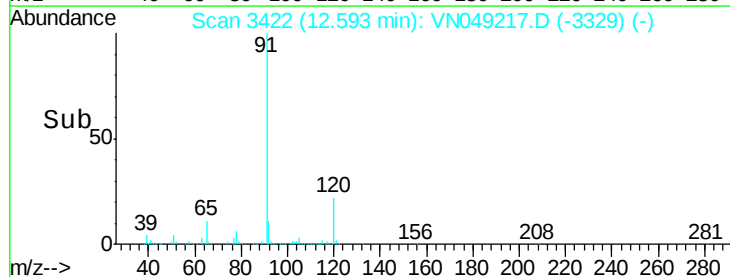
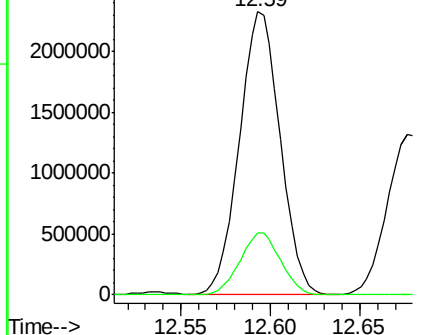
Acq: 13 Jun 2018 22:44

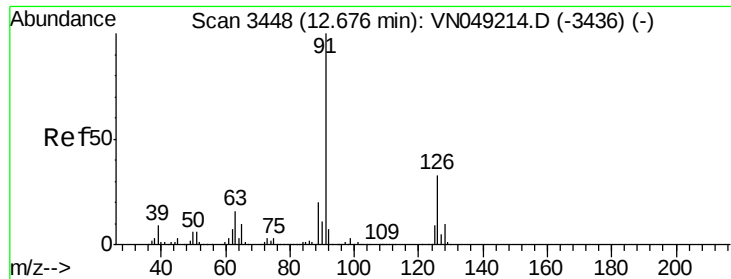
Tgt Ion:	91	Resp:	3706890
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 47.38 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampled :

ICVVN061318

Tot Ion: 91 Resp: 2207414

Ion Ratio Lower Upper

91 100

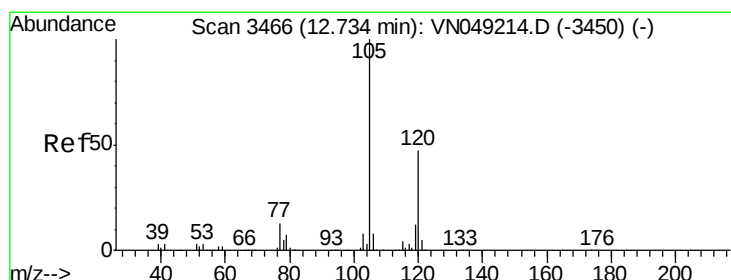
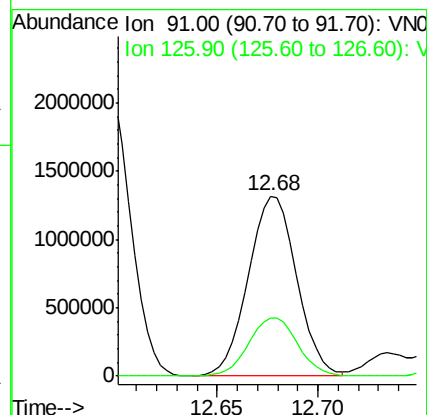
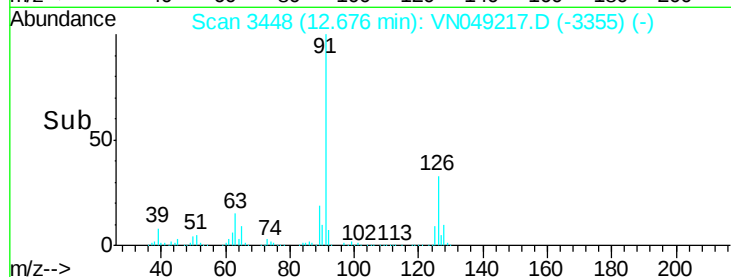
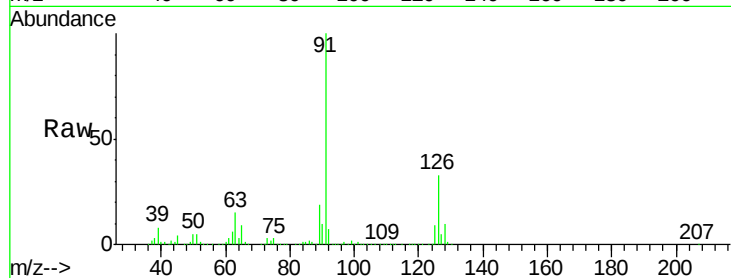
126 33.1 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 50.18 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049217.D

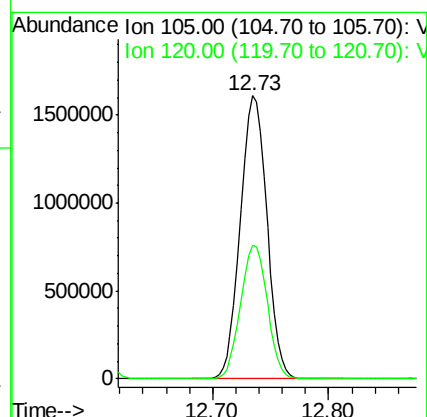
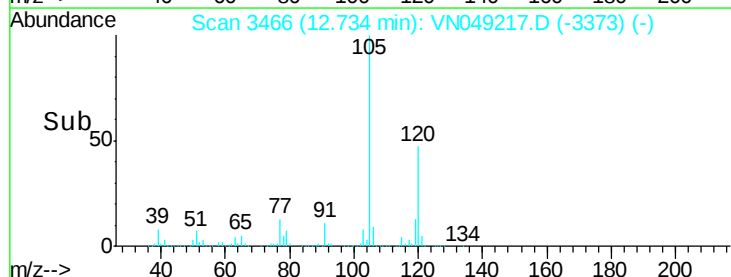
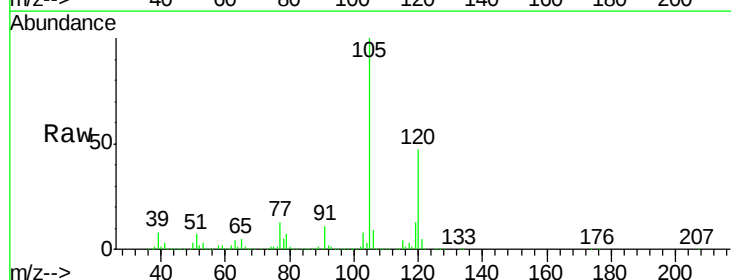
Acq: 13 Jun 2018 22:44

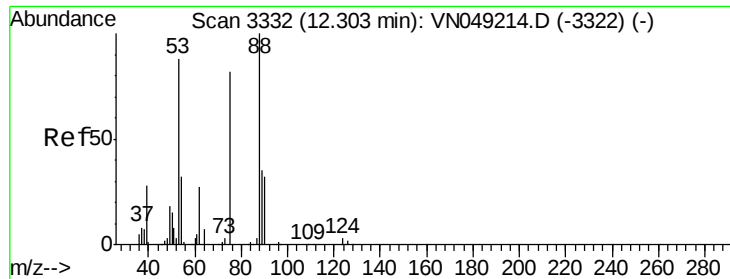
Tgt Ion: 105 Resp: 2558225

Ion Ratio Lower Upper

105 100

120 47.7 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 45.76 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion: 75 Resp: 189634

Ion Ratio Lower Upper

75 100

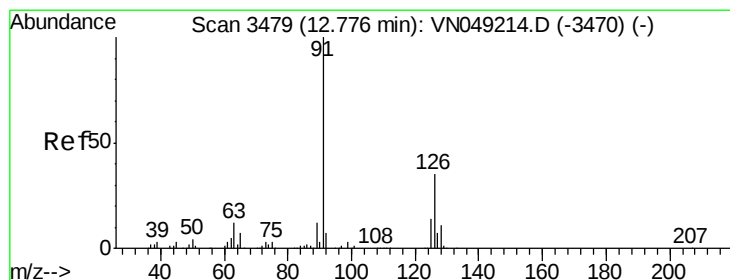
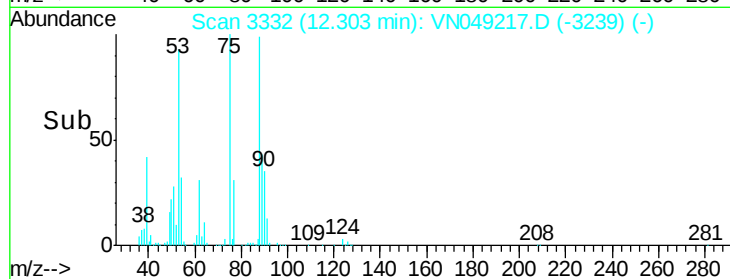
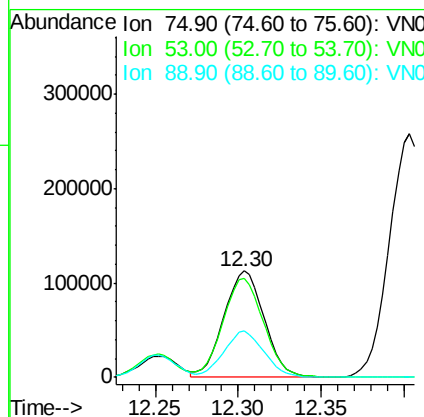
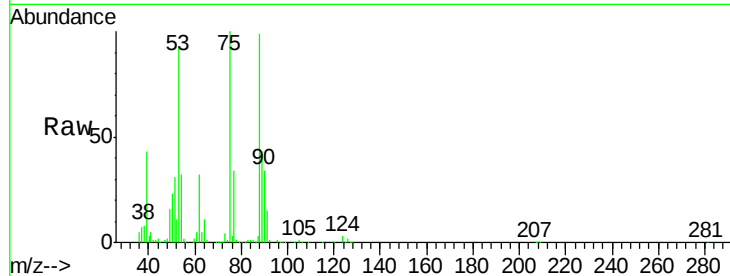
53 94.7 82.7 124.1

89 43.7 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.84 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049217.D

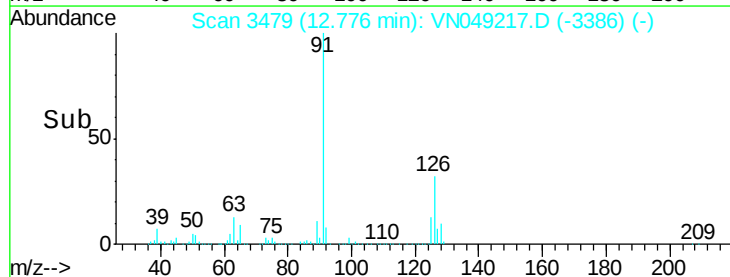
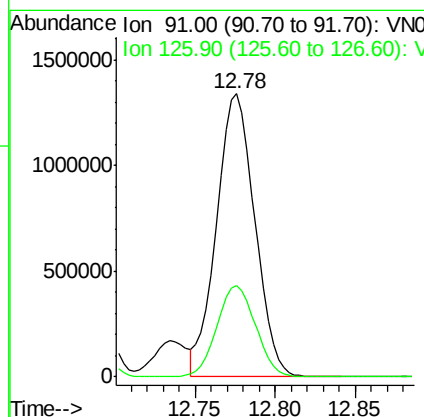
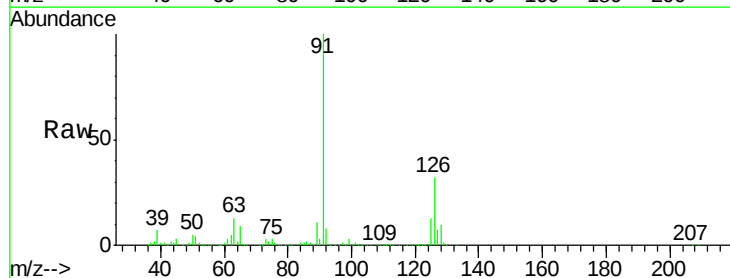
Acq: 13 Jun 2018 22:44

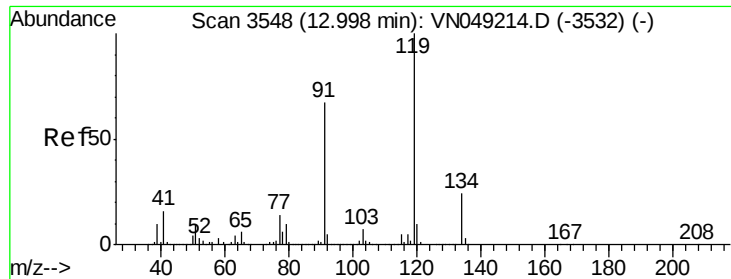
Tgt Ion: 91 Resp: 2202592

Ion Ratio Lower Upper

91 100

126 32.5 16.4 49.1





#83

tert-Butylbenzene

Concen: 48.88 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion:119 Resp: 2147007

Ion Ratio Lower Upper

119 100

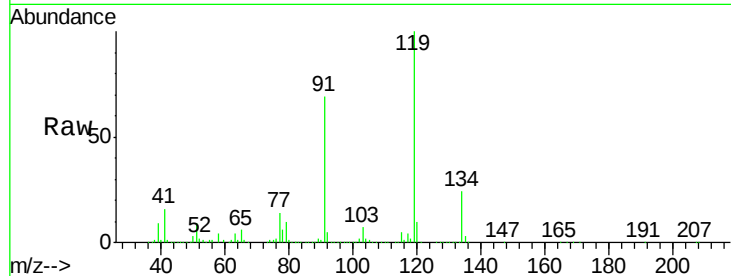
91 67.6 33.7 101.0

134 25.7 12.9 38.6

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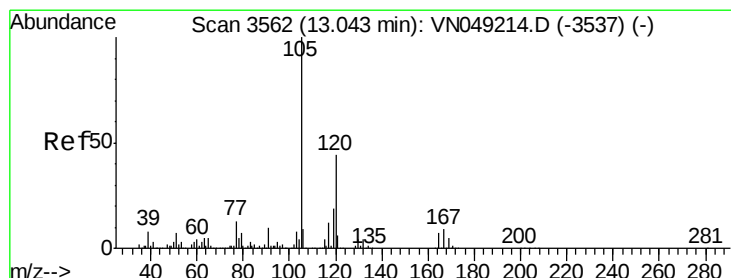
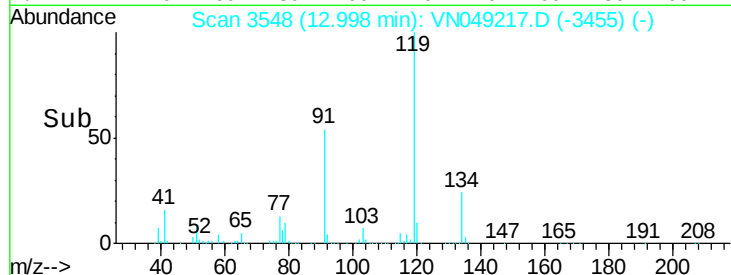
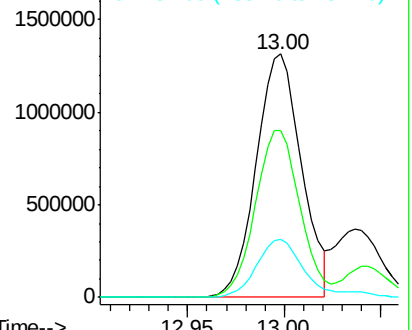
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.76 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049217.D

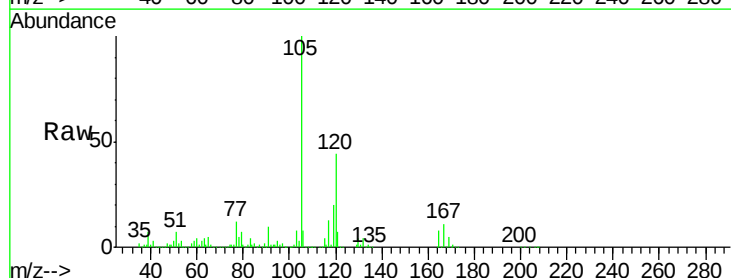
Acq: 13 Jun 2018 22:44

Tgt Ion:105 Resp: 2623013

Ion Ratio Lower Upper

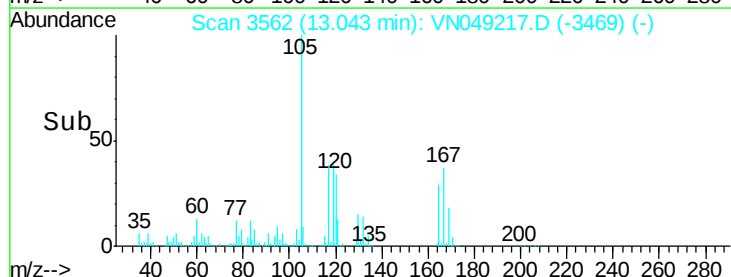
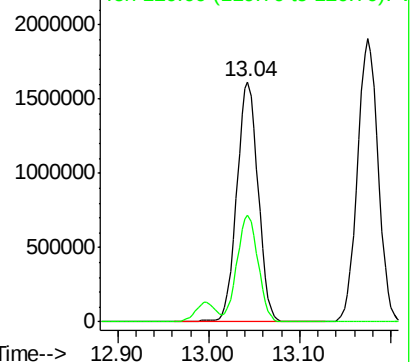
105 100

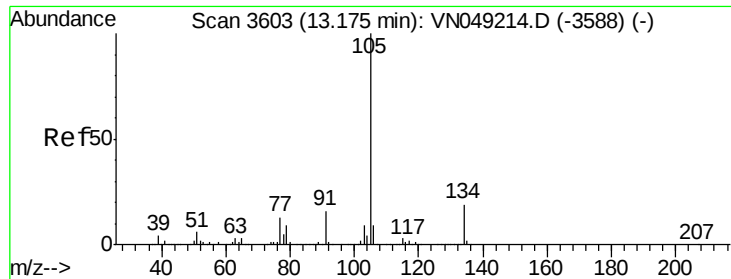
120 44.2 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





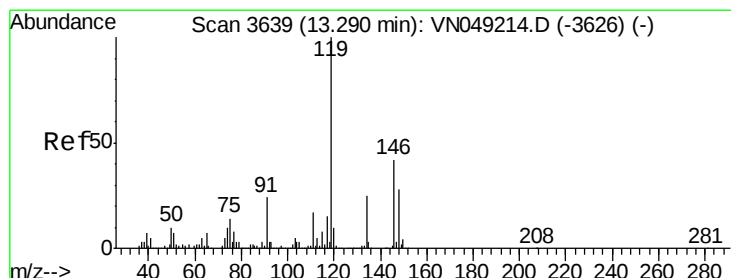
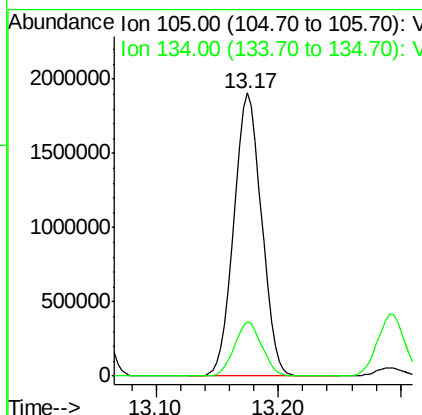
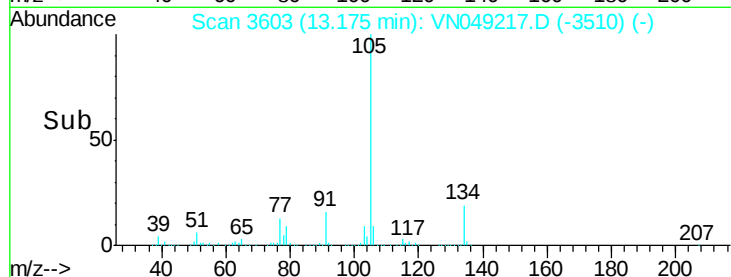
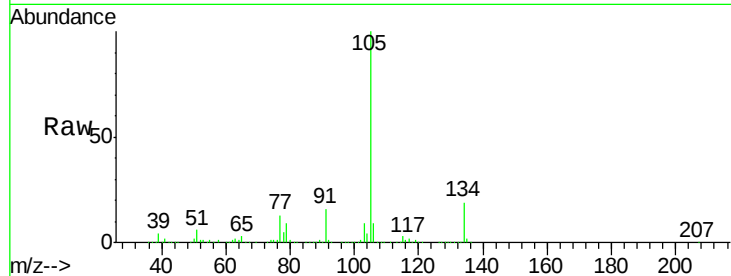
#85
 sec-Butylbenzene
 Concen: 51.25 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion:105 Resp: 3000975
 Ion Ratio Lower Upper
 105 100
 134 19.1 9.8 29.3

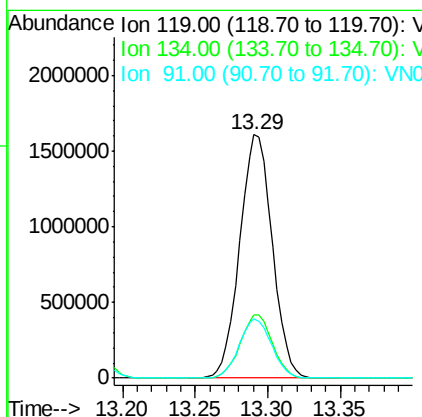
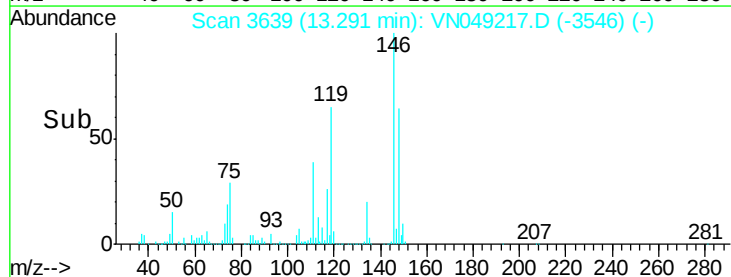
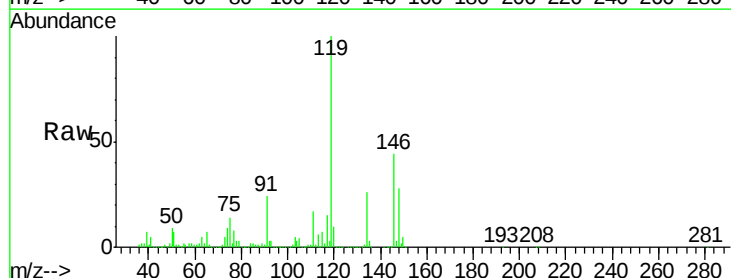
Manual Integrations
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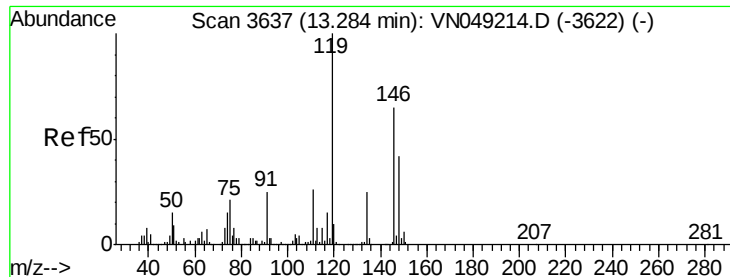
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#86
 p-Isopropyltoluene
 Concen: 52.78 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion:119 Resp: 2503154
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.6
 91 24.0 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 49.52 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion:146 Resp: 1288108

Ion Ratio Lower Upper

146 100

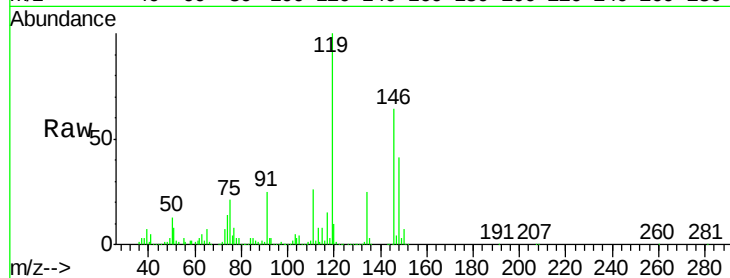
111 40.4 19.9 59.6

148 64.4 32.1 96.5

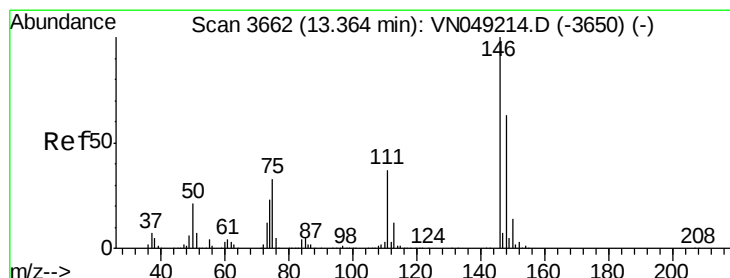
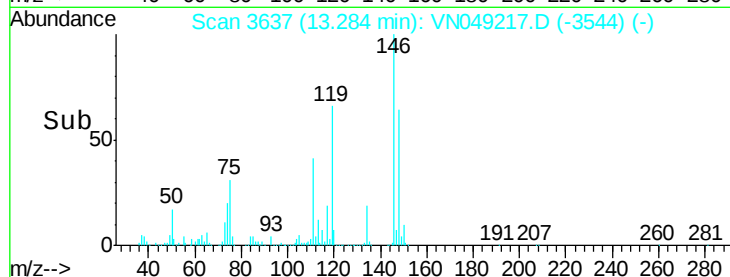
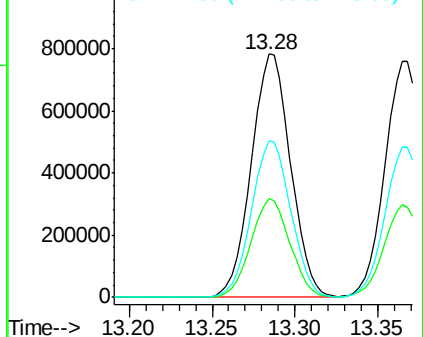
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.84 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

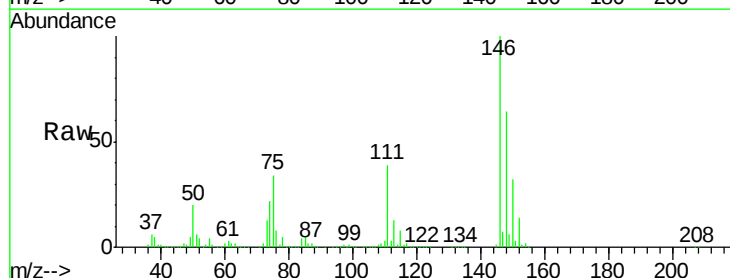
Tgt Ion:146 Resp: 1251381

Ion Ratio Lower Upper

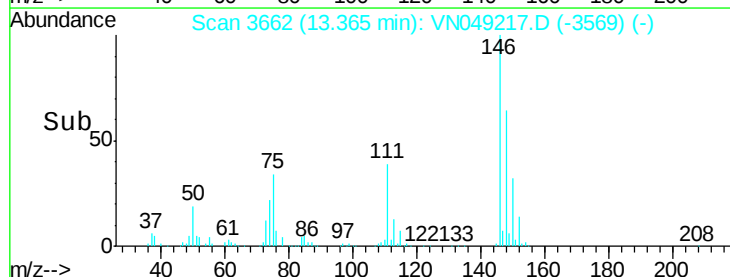
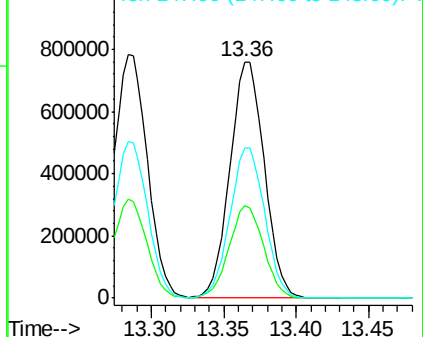
146 100

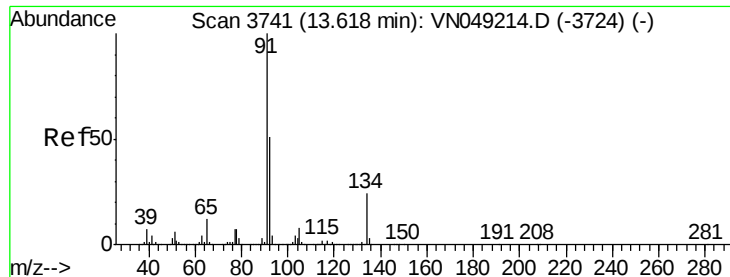
111 39.3 19.1 57.1

148 64.1 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





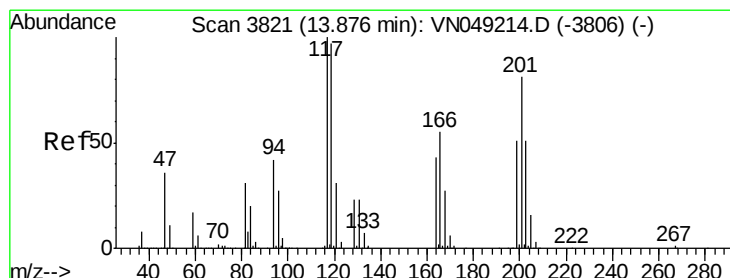
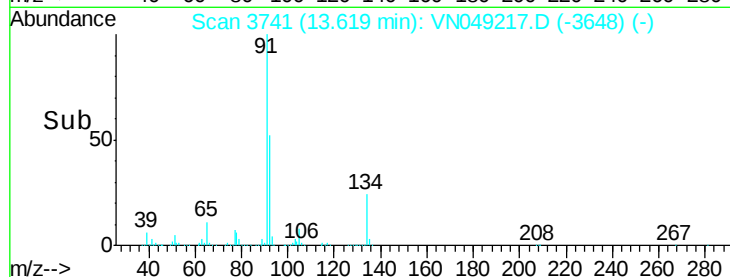
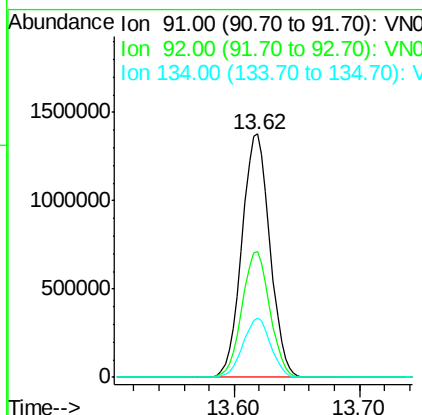
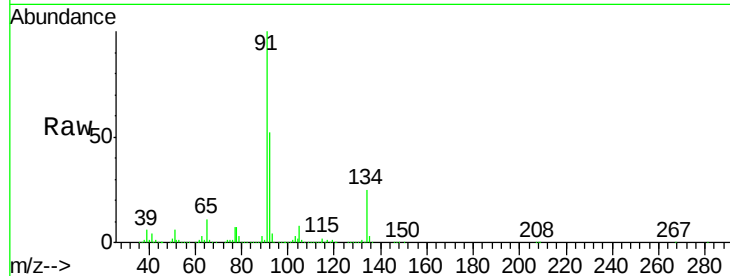
#89
n-Butylbenzene
Concen: 51.55 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampled :
ICVVN061318

Tot Ion: 91 Resp: 2141732
Ion Ratio Lower Upper
91 100
92 51.4 25.1 75.4
134 24.1 12.0 36.0

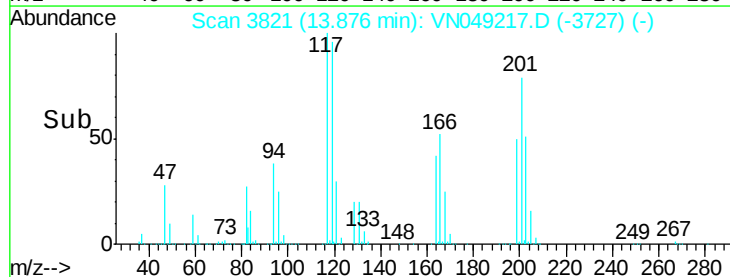
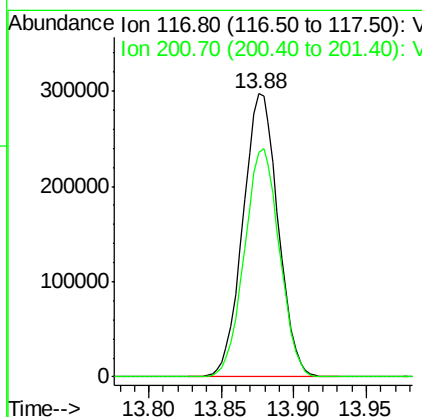
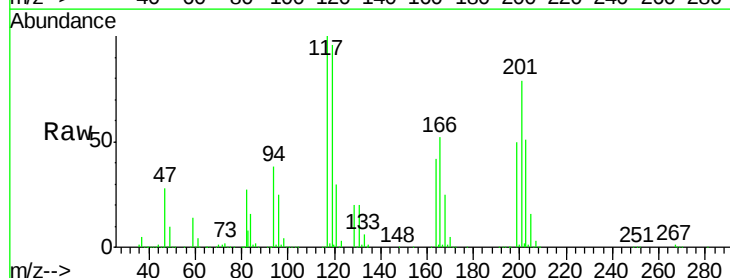
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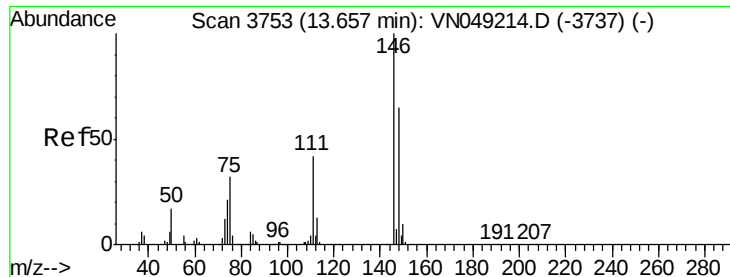
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#90
Hexachloroethane
Concen: 52.43 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion: 117 Resp: 501639
Ion Ratio Lower Upper
117 100
201 80.3 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 48.63 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

Instrument :

MSVOA_N

ClientSampleId :

ICVVN061318

Tot Ion:146 Resp: 1244550

Ion Ratio Lower Upper

146 100

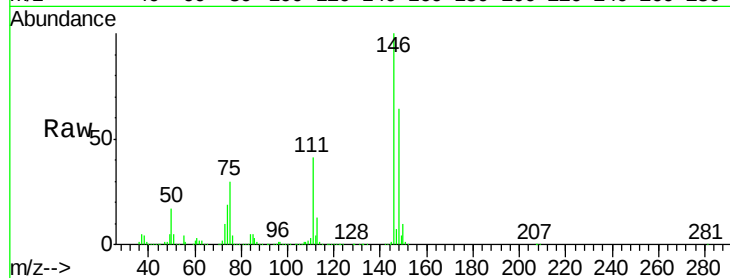
111 40.7 20.8 62.2

148 64.0 32.0 96.2

Manual Integrations
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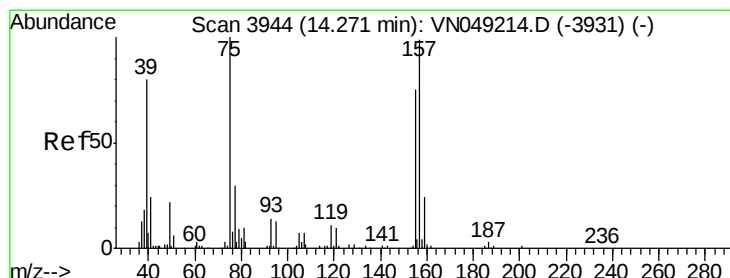
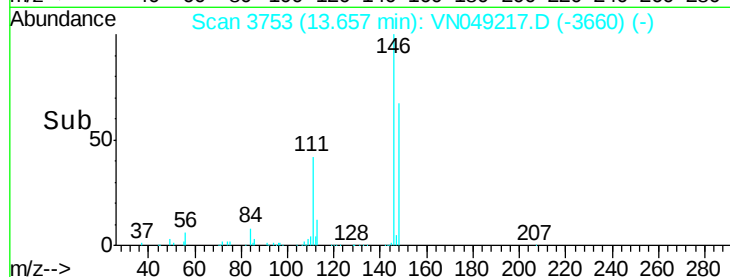
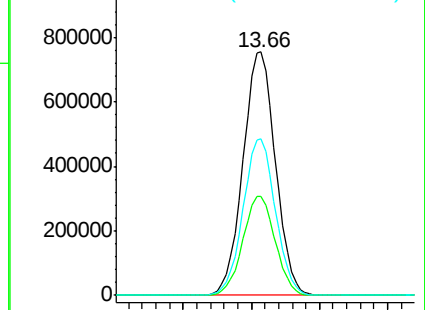
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Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.12 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049217.D

Acq: 13 Jun 2018 22:44

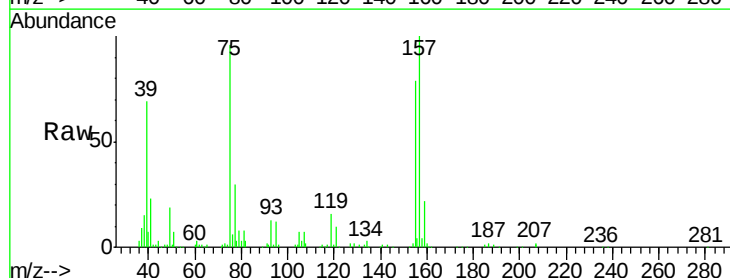
Tgt Ion: 75 Resp: 106666

Ion Ratio Lower Upper

75 100

155 82.9 38.8 116.3

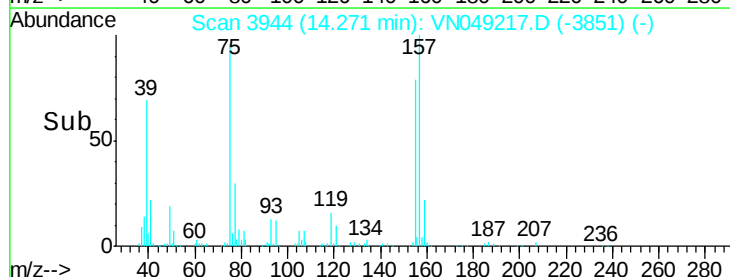
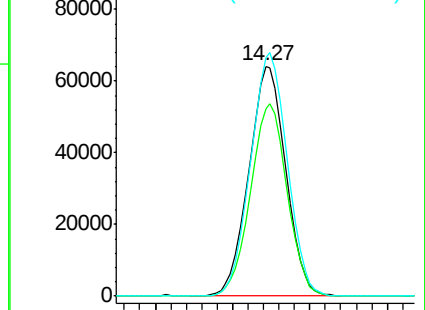
157 105.3 51.0 153.1

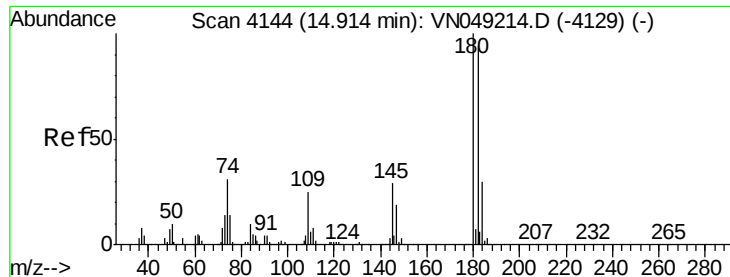


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





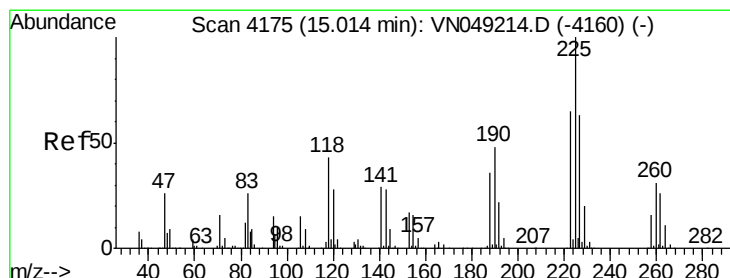
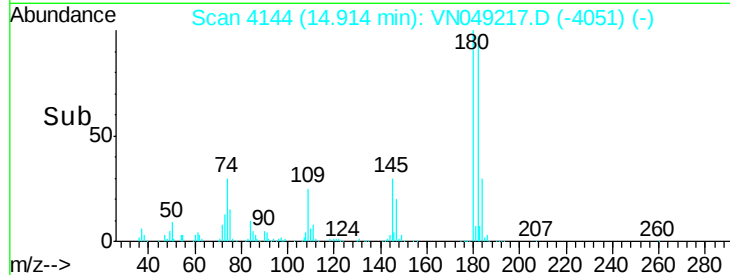
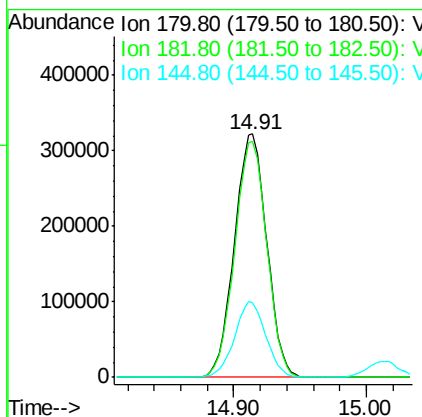
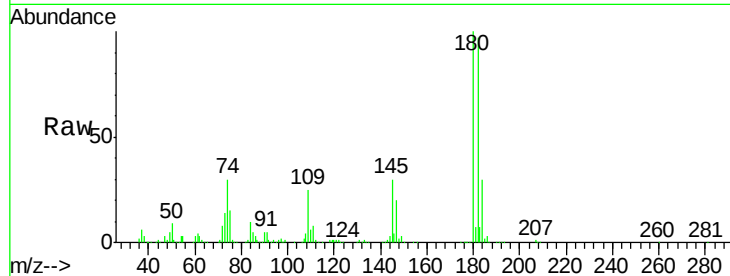
#93
 1,2,4-Trichlorobenzene
 Concen: 49.57 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN061318

Tot Ion	Ratio	Resp	Lower	Upper
180	100	544412		
182	96.3	46.9	140.8	
145	30.2	14.7	44.1	

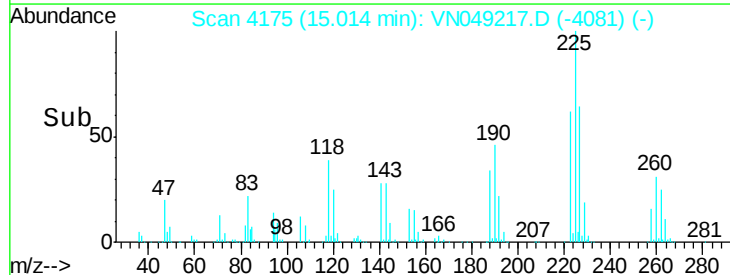
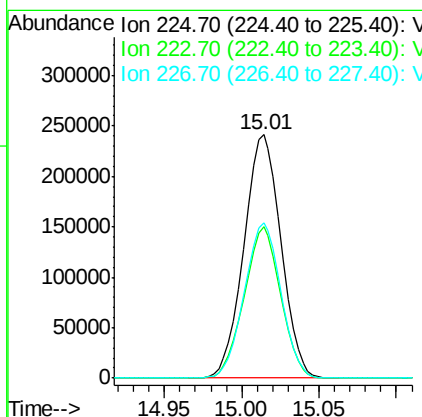
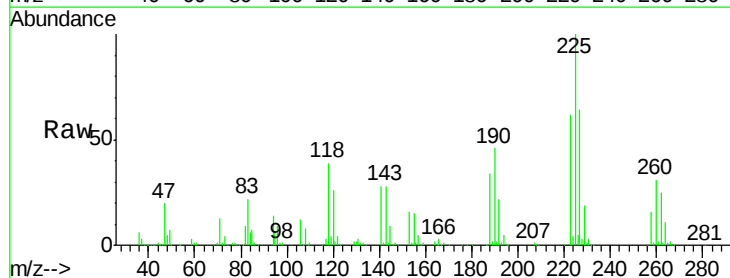
Manual Integrations
 APPROVED

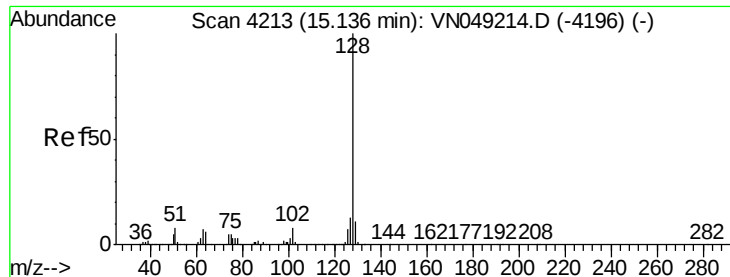
apatel
 6/14/2018 5:07:36 PM



#94
 Hexachlorobutadiene
 Concen: 52.04 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049217.D
 Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	402726		
223	60.9	32.1	96.3	
227	62.9	31.8	95.3	





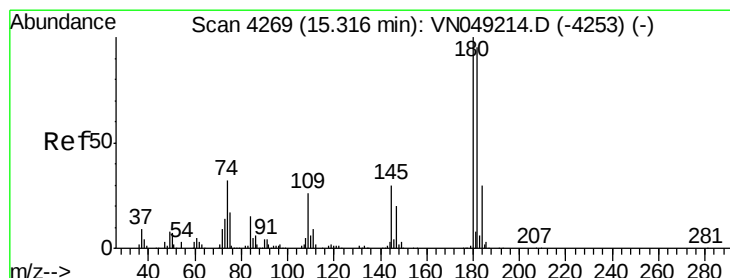
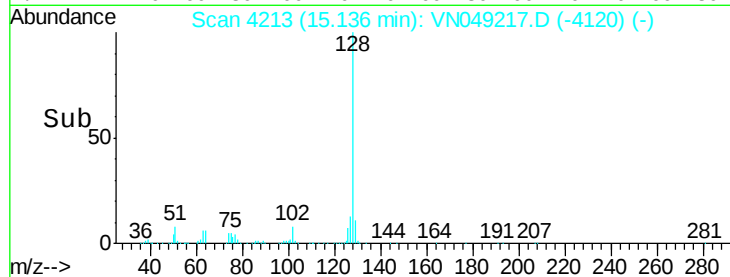
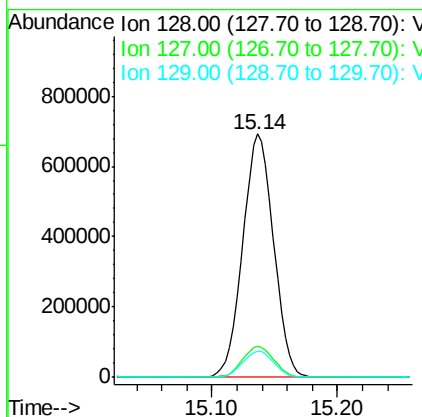
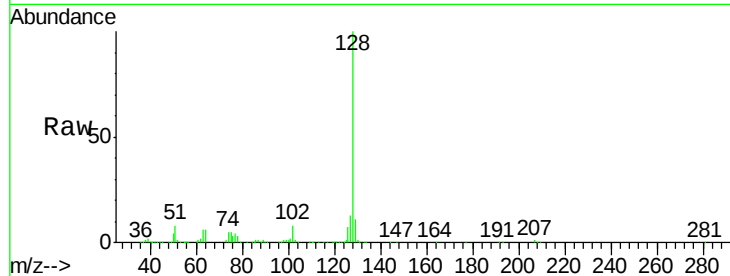
#95
Naphthalene
Concen: 49.33 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Instrument :
MSVOA_N
ClientSampleId :
ICVVN061318

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 55.01 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049217.D
Acq: 13 Jun 2018 22:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	31.9	15.6	46.7

