

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062918\
 Data File : VN049633.D
 Acq On : 29 Jun 2018 15:35
 Operator : MD\SY
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICSVN062918

Manual Integrations
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 7/2/2018 2:19:47 PM

Quant Time: Jun 30 01:34:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 29 15:11:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1506619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2170715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1975920	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1108585	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	938864	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	7.59	113	808766	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
50) Toluene-d8	10.09	98	3243957	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.40	95	1138862	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	790355	46.55	ug/l	99
3) Chloromethane	2.06	50	907294	42.78	ug/l	97
4) Vinyl Chloride	2.18	62	1001989	43.99	ug/l	100
5) Bromomethane	2.56	94	502008	41.96	ug/l	97
6) Chloroethane	2.70	64	618895	42.93	ug/l	99
7) Trichlorofluoromethane	3.02	101	1132707	43.54	ug/l	100
8) Diethyl Ether	3.40	74	463826	43.98	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.75	101	830192	44.35	ug/l	93
10) Methyl Iodide	3.94	142	1140728	48.70	ug/l	91
11) Tert butyl alcohol	4.79	59	265677	232.70	ug/l	97
12) 1,1-Dichloroethene	3.73	96	745020	42.10	ug/l	89
13) Acrolein	3.60	56	233549	218.99	ug/l	98
14) Allyl chloride	4.32	41	1037296	42.67	ug/l	89
15) Acrylonitrile	4.99	53	1322301	224.24	ug/l	99
16) Acetone	3.82	43	888164	213.87	ug/l	92
17) Carbon Disulfide	4.05	76	2159774	44.30	ug/l	99
18) Methyl Acetate	4.32	43	778887	42.42	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	2098980	46.01	ug/l	99
20) Methylene Chloride	4.55	84	835669	40.79	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	795789	43.70	ug/l	92
22) Diisopropyl ether	5.95	45	2508655	45.62	ug/l	98
23) Vinyl Acetate	5.89	43	8470473	237.52	ug/l	95
24) 1,1-Dichloroethane	5.84	63	1496888	43.21	ug/l	98
25) 2-Butanone	6.83	43	1489174	225.46	ug/l	96
26) 2,2-Dichloropropane	6.82	77	1287022	44.73	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	906909	44.58	ug/l	92
28) Bromochloromethane	7.19	49	711173	48.37	ug/l #	83
29) Tetrahydrofuran	7.21	42	988921	234.90	ug/l	92
30) Chloroform	7.37	83	1520067	43.04	ug/l	99
31) Cyclohexane	7.65	56	1346244	45.26	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	1317892	44.08	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1163463	47.64	ug/l	97
37) Ethyl Acetate	6.93	43	699146	49.08	ug/l	98
38) Carbon Tetrachloride	7.77	117	1137720	47.89	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1295879	48.40	ug/l	95
40) Benzene	8.04	78	3435424	46.07	ug/l	100
41) Methacrylonitrile	7.17	41	392604	51.63	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	1090391	45.82	ug/l	96
43) Isopropyl Acetate	8.17	43	1333347	47.11	ug/l #	86
44) Trichloroethene	8.83	130	992853	44.15	ug/l	93
45) 1,2-Dichloropropane	9.12	63	901232	46.78	ug/l	100
46) Dibromomethane	9.21	93	535552	45.95	ug/l	91
47) Bromodichloromethane	9.40	83	1157776	46.66	ug/l	97
48) Methyl methacrylate	9.20	41	609208	48.13	ug/l	87
49) 1,4-Dioxane	9.20	88	164983	969.50	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3445644	246.72	ug/l	94
52) Toluene	10.16	92	2149803	47.72	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	1166085	49.08	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	1336346	48.13	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	770672	45.94	ug/l	97
56) Ethyl methacrylate	10.43	69	1003322	51.03	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	1288818	47.38	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1805579	176.66	ug/l	95
59) 2-Hexanone	10.75	43	2370930	256.73	ug/l	93
60) Dibromochloromethane	10.90	129	865531	47.74	ug/l	99
61) 1,2-Dibromoethane	11.01	107	748257	46.55	ug/l	99
64) Tetrachloroethene	10.63	164	1137068	42.50	ug/l	98
65) Chlorobenzene	11.43	112	2346641	45.53	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	859265	46.39	ug/l	99
67) Ethyl Benzene	11.51	91	4068643	47.75	ug/l	98
68) m/p-Xylenes	11.62	106	3206654	98.20	ug/l	96
69) o-Xylene	11.95	106	1517558	48.54	ug/l	96
70) Styrene	11.96	104	2522778	49.87	ug/l	97
71) Bromoform	12.13	173	594328	48.29	ug/l #	100
73) Isopropylbenzene	12.25	105	4049881	45.86	ug/l	98
74) N-amyl acetate	12.07	43	1125326	46.65	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	870064	47.37	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	801373m	46.53	ug/l	
77) Bromobenzene	12.53	156	1029288	42.87	ug/l	90
78) n-propylbenzene	12.59	91	4780941	47.24	ug/l	98
79) 2-Chlorotoluene	12.68	91	2824673	44.10	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	3461659	47.18	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	249583	47.68	ug/l	92
82) 4-Chlorotoluene	12.77	91	2896269	44.97	ug/l	97
83) tert-Butylbenzene	12.99	119	2874216	45.60	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	3566101	47.30	ug/l	99
85) sec-Butylbenzene	13.17	105	3945144	47.24	ug/l	99
86) p-Isopropyltoluene	13.29	119	3521381	48.68	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1888140	46.39	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1856302	46.45	ug/l	99
89) n-Butylbenzene	13.62	91	3005430	48.53	ug/l	97
90) Hexachloroethane	13.88	117	434049	57.12	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	1852745	47.38	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	147964	48.02	ug/l	82

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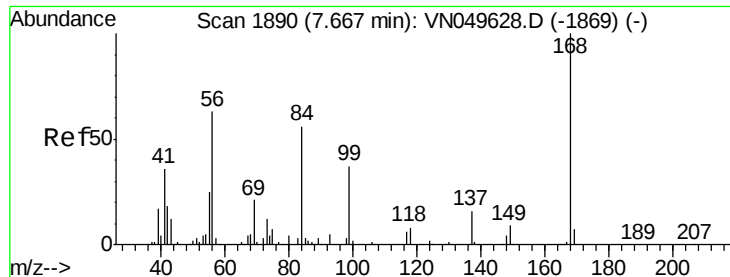
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	946484	46.51	ug/l	98
94) Hexachlorobutadiene	15.01	225	599953	51.00	ug/l	98
95) Naphthalene	15.14	128	1996252	47.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	901719	46.61	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampleId :

ICVFN062918

Tot Ion:168 Resp: 1506619

Ion Ratio Lower Upper

168 100

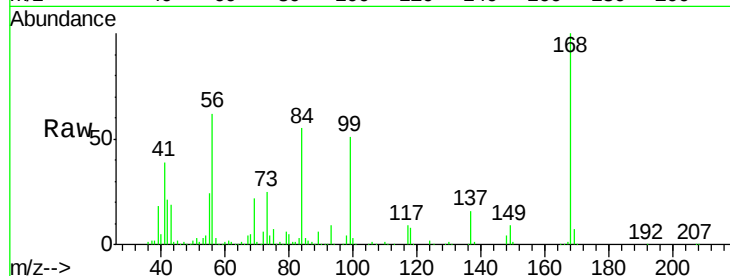
99 51.1 45.8 68.6

Manual Integrations

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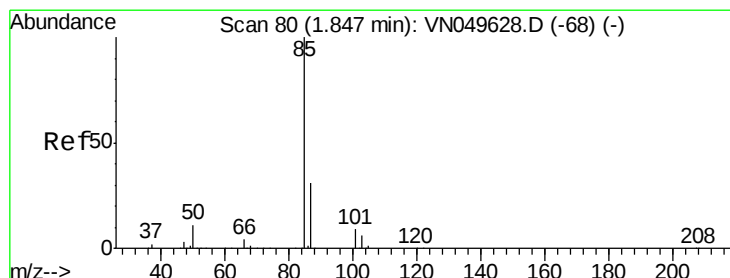
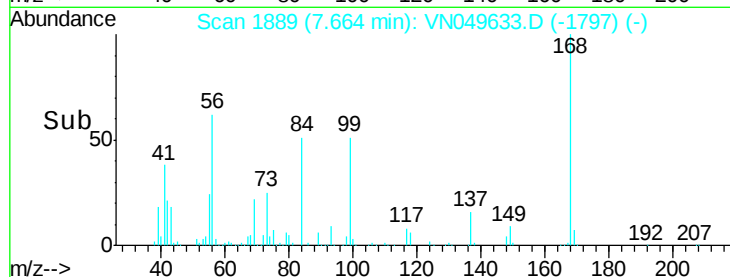
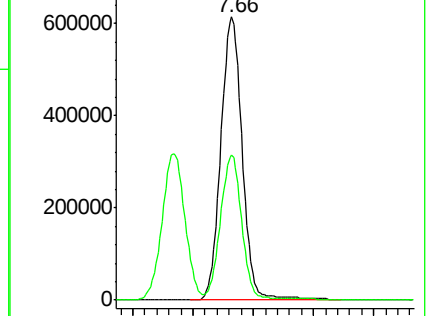
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 46.55 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049633.D

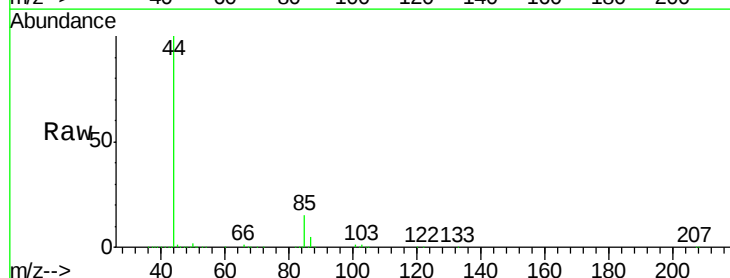
Acq: 29 Jun 2018 15:35

Tgt Ion: 85 Resp: 790355

Ion Ratio Lower Upper

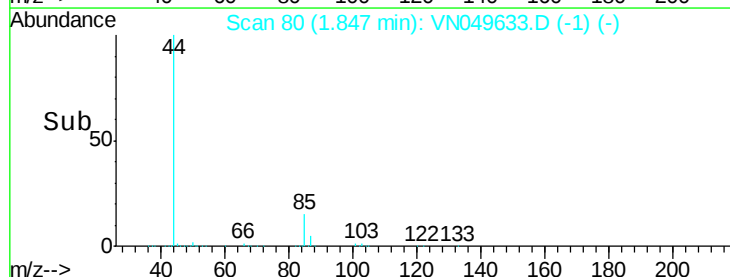
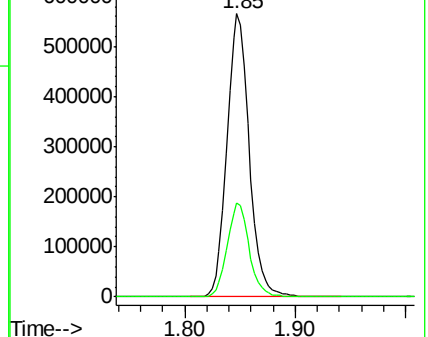
85 100

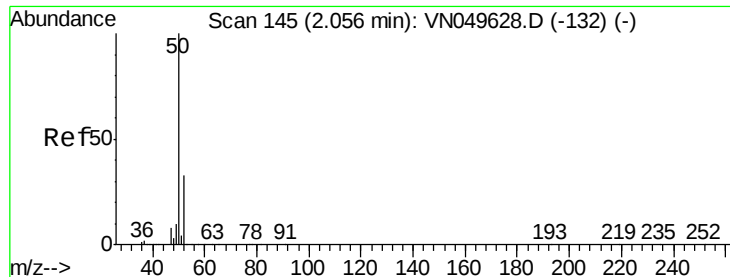
87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 42.78 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062918

Tot Ion: 50 Resp: 907294

Ion Ratio Lower Upper

50 100

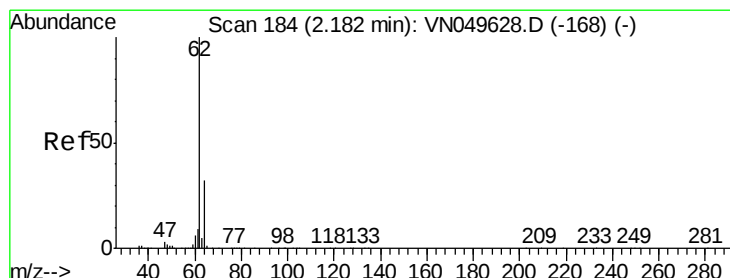
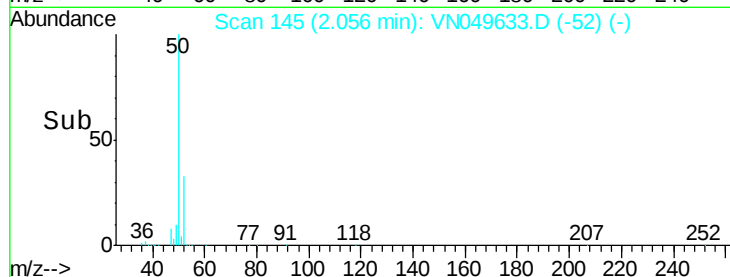
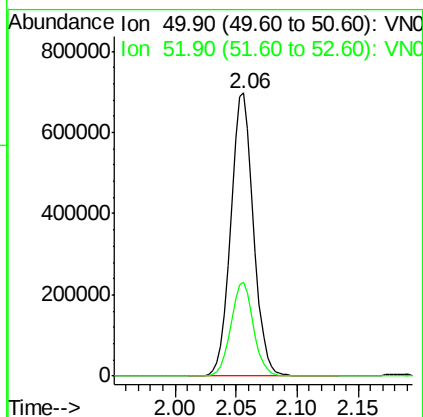
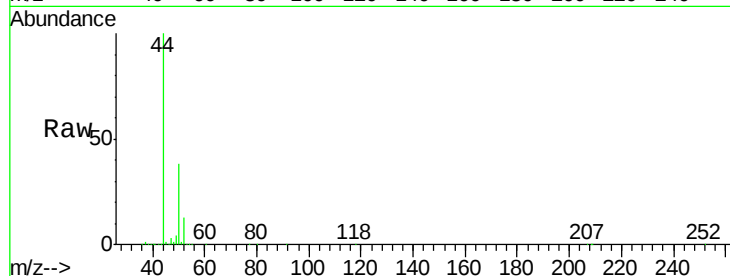
52 33.4 25.2 37.8

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#4

Vinyl Chloride

Concen: 43.99 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049633.D

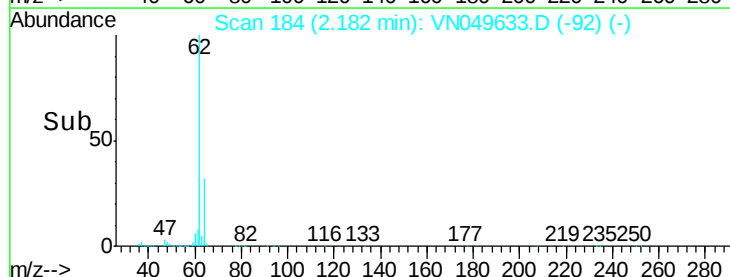
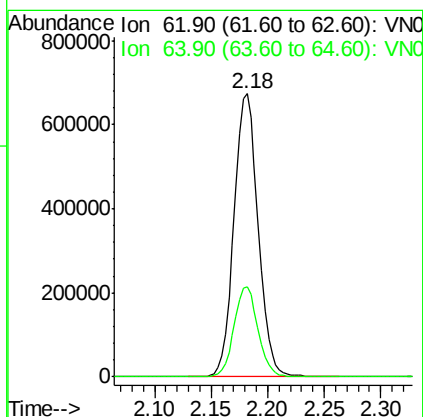
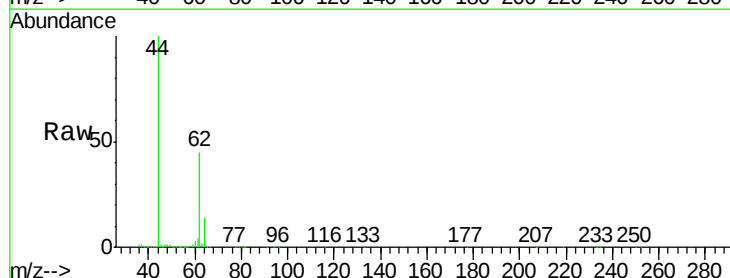
Acq: 29 Jun 2018 15:35

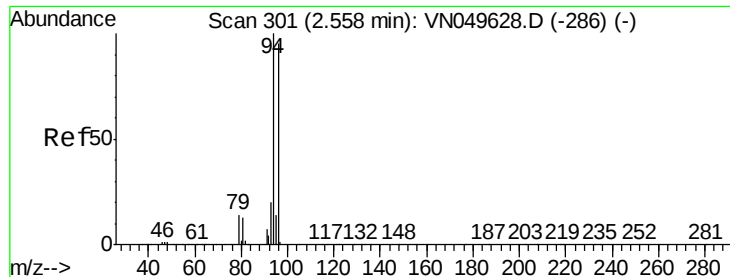
Tgt Ion: 62 Resp: 1001989

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 41.96 ug/l

RT: 2.56 min Scan# 302

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 502008

Ion Ratio Lower Upper

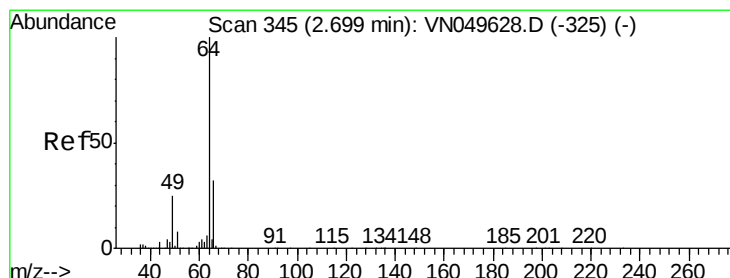
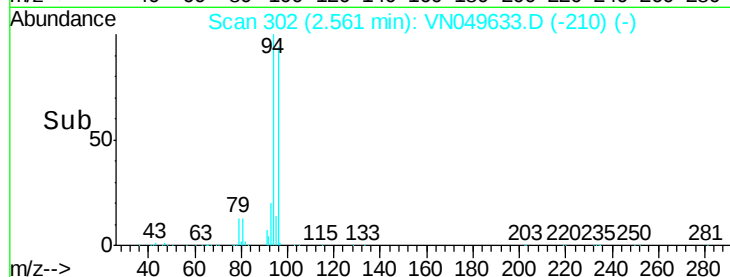
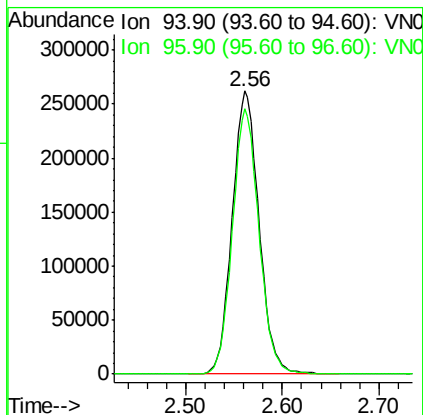
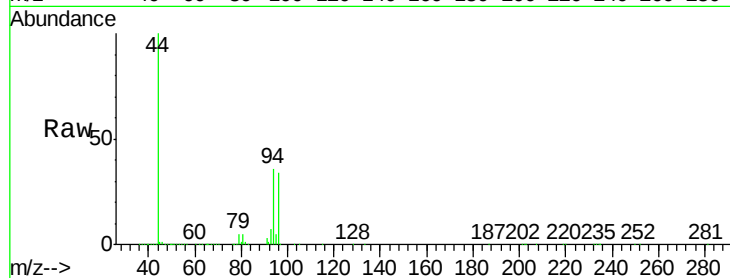
94 100

96 93.7 72.8 109.2

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#6

Chloroethane

Concen: 42.93 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049633.D

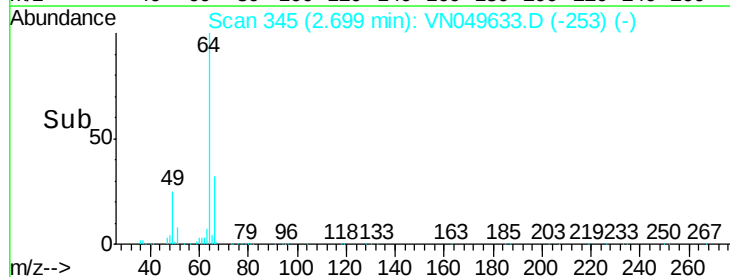
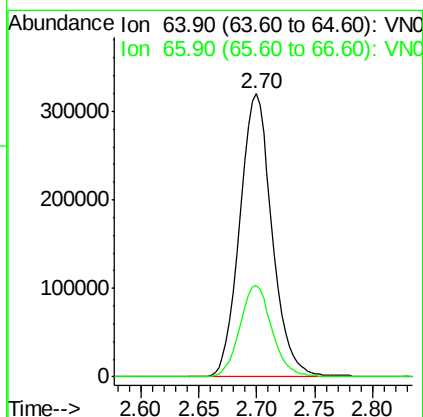
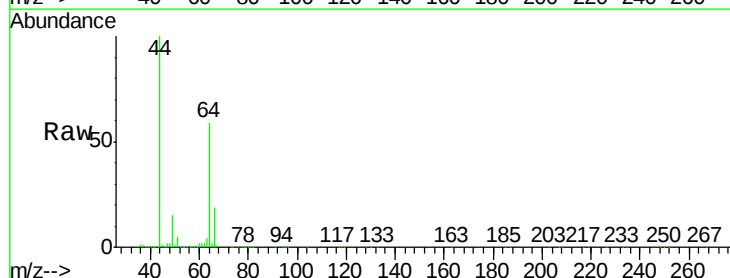
Acq: 29 Jun 2018 15:35

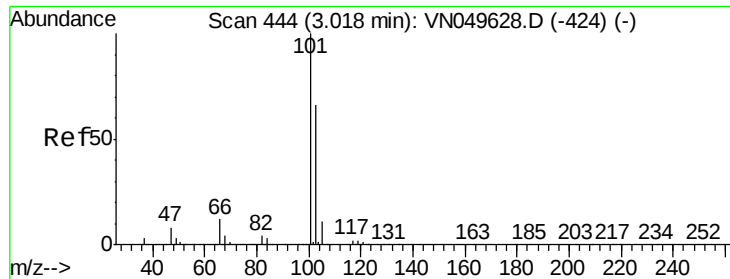
Tgt Ion: 64 Resp: 618895

Ion Ratio Lower Upper

64 100

66 32.5 25.6 38.4





#7

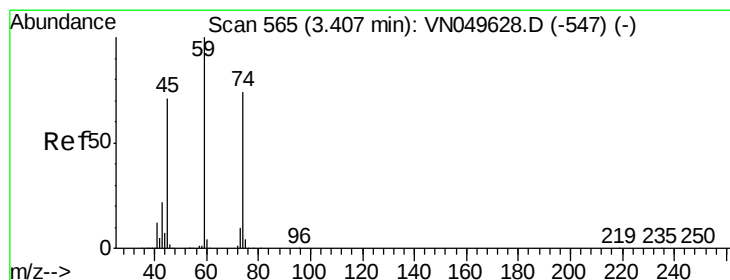
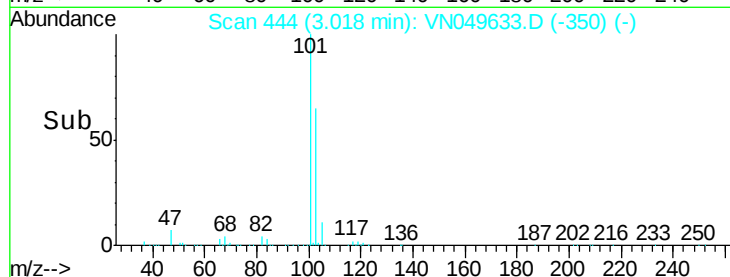
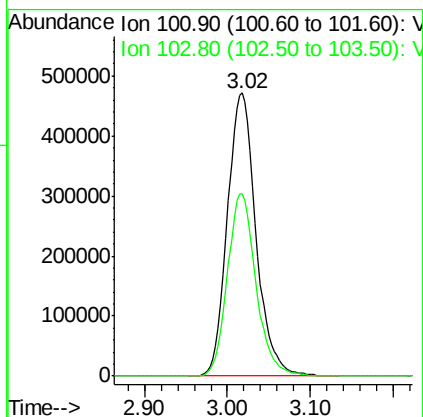
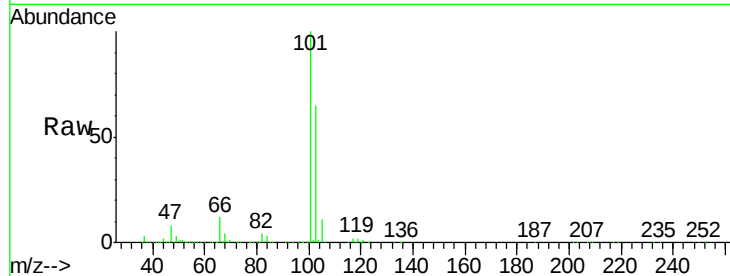
Trichlorofluoromethane
Concen: 43.54 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

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ICVVN062918

Tot Ion:101 Resp: 1132707
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5

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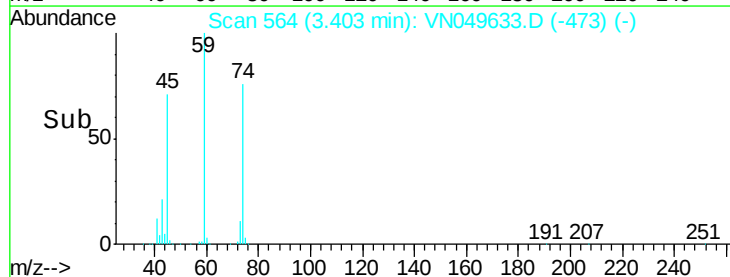
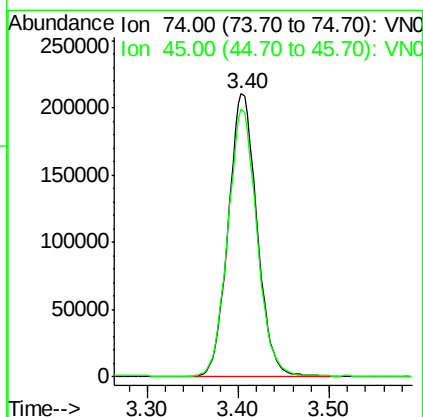
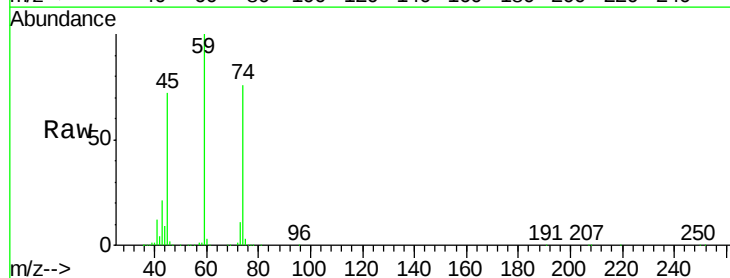
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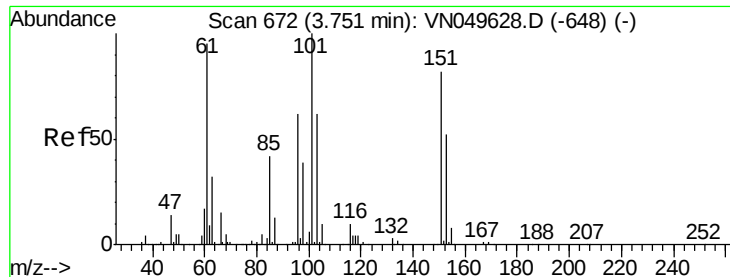


#8

Diethyl Ether
Concen: 43.98 ug/l
RT: 3.40 min Scan# 564
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion: 74 Resp: 463826
Ion Ratio Lower Upper
74 100
45 94.8 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.35 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

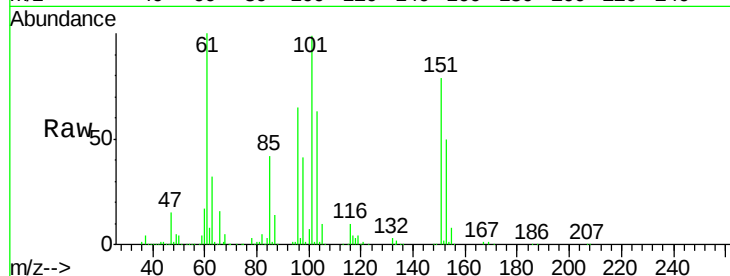
ClientSampleId :

ICVVN062918

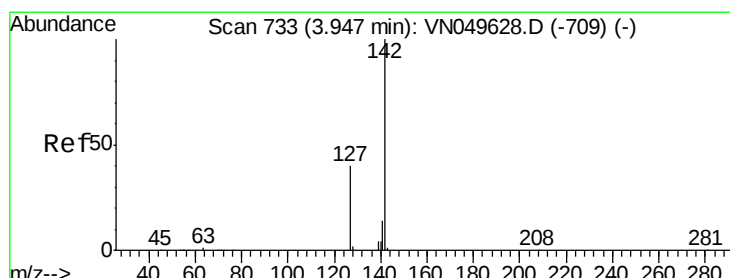
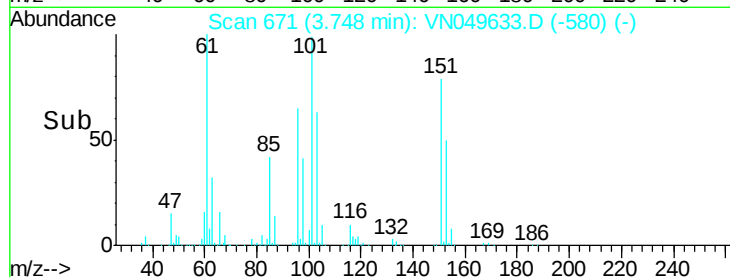
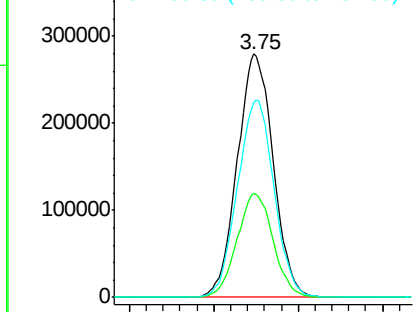
Tot Ion:	101	Resp:	830192
Ion Ratio	Lower	Upper	
101	100		
85	42.8	37.6	56.4
151	82.5	61.1	91.7

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



#10

Methyl Iodide

Concen: 48.70 ug/l

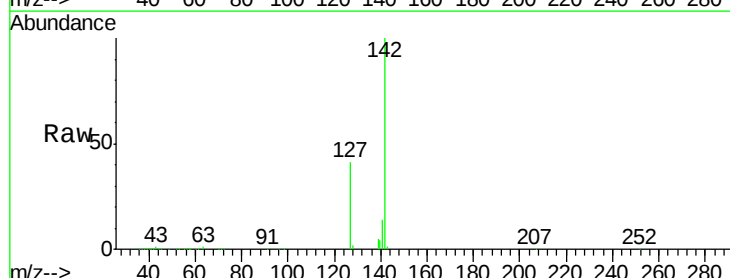
RT: 3.94 min Scan# 732

Delta R.T. -0.01 min

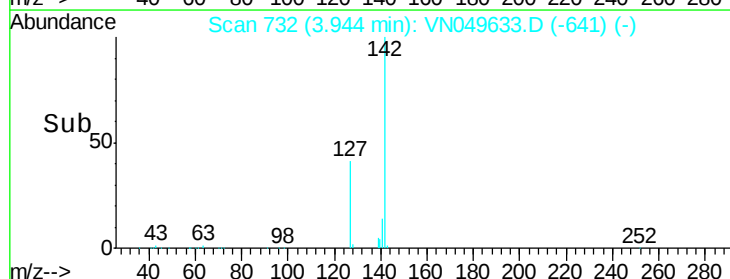
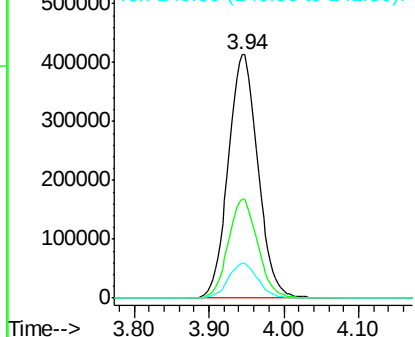
Lab File: VN049633.D

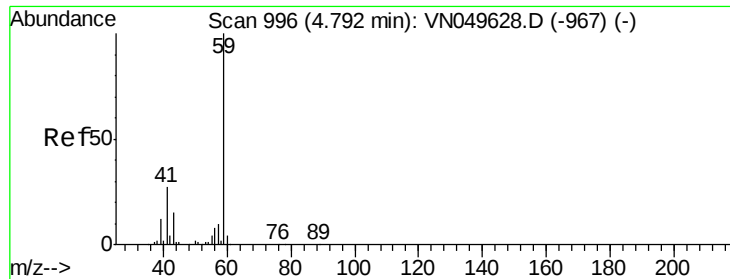
Acq: 29 Jun 2018 15:35

Tgt Ion:	142	Resp:	1140728
Ion Ratio	Lower	Upper	
142	100		
127	40.5	38.2	57.4
141	14.2	11.9	17.9



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





#11

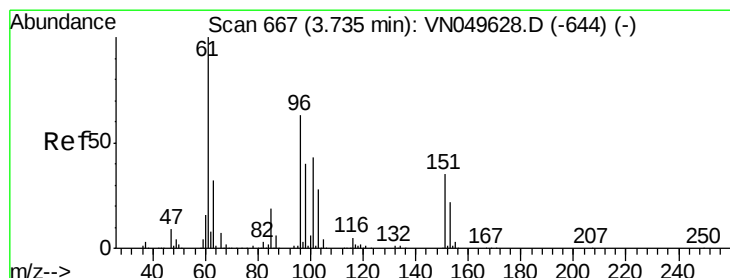
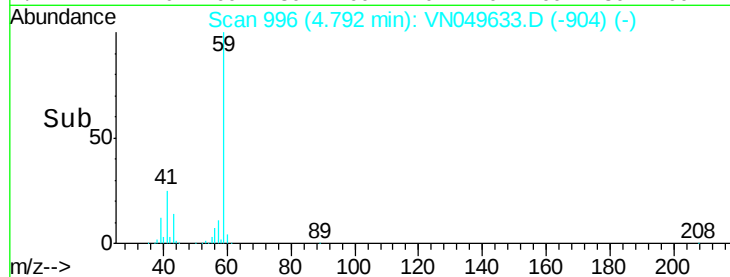
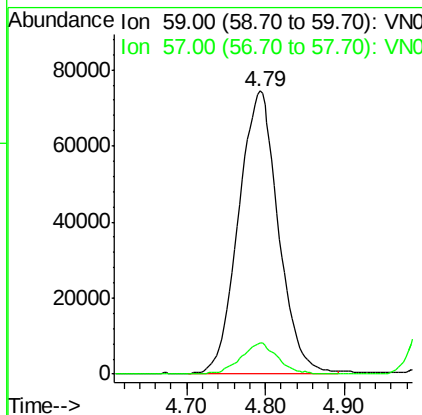
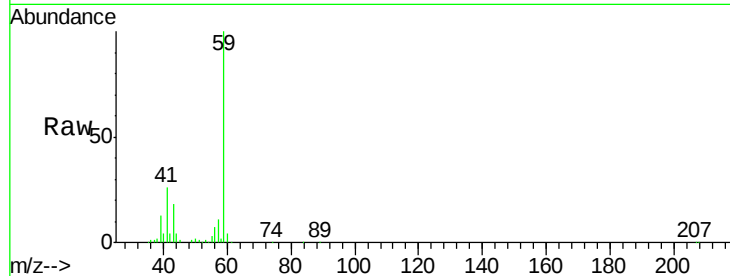
Tert butyl alcohol
 Concen: 232.70 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062918

Tot Ion	59	Resp	265677
Ion Ratio	100	Lower	Upper
57	10.2	9.0	13.6

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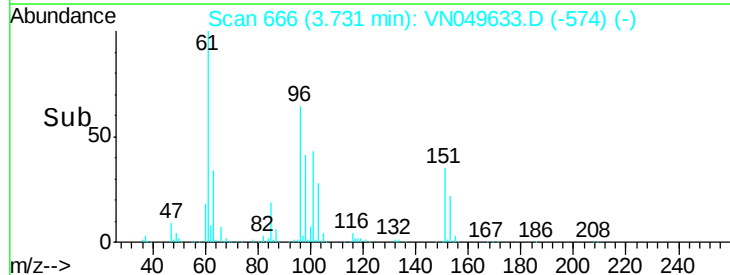
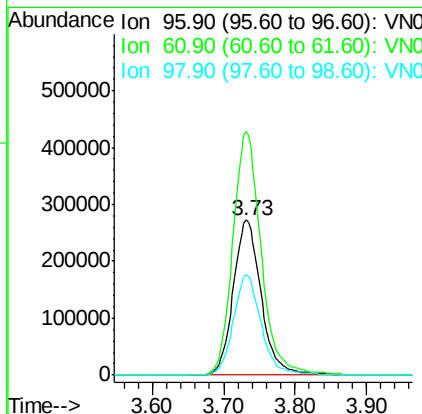
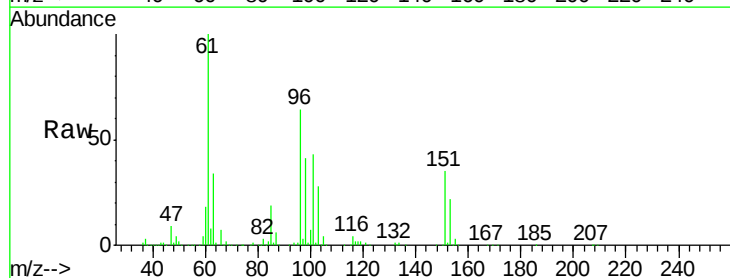
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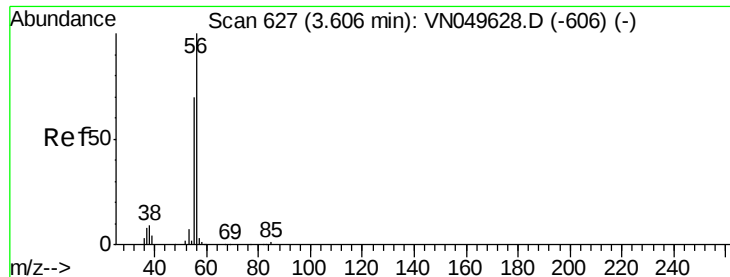


#12

1,1-Dichloroethene
 Concen: 42.10 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Tgt Ion	96	Resp	745020
Ion Ratio	100	Lower	Upper
61	157.0	141.0	211.4
98	64.3	50.4	75.6





#13

Acrolein

Concen: 218.99 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion: 56 Resp: 233549

Ion Ratio Lower Upper

56 100

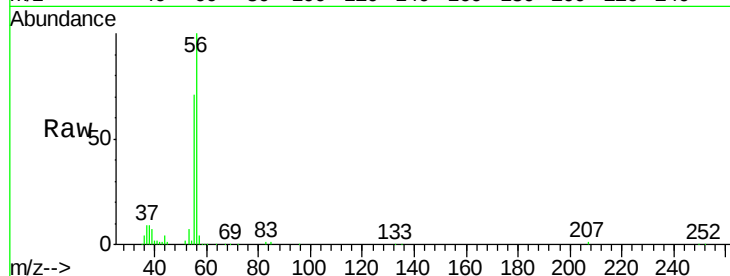
55 69.8 57.1 85.7

Manual Integrations

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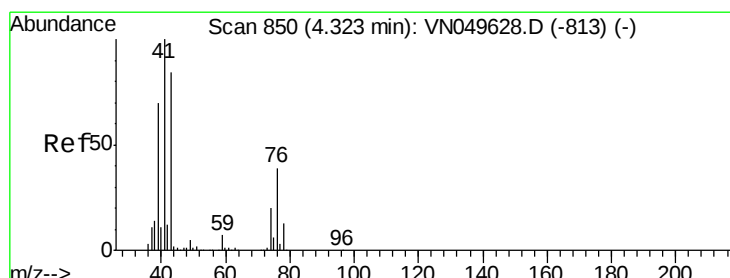
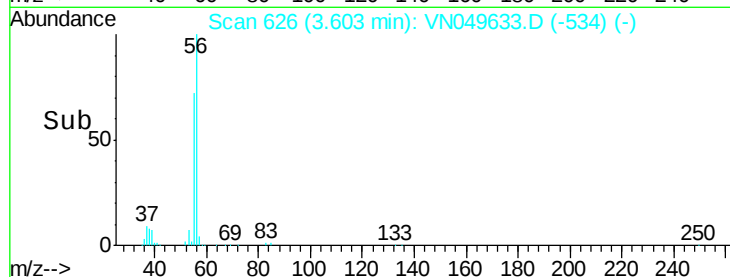
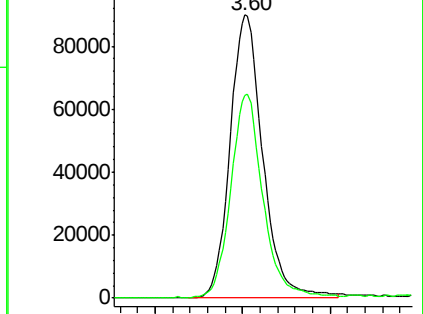
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Abundance Ion 56.00 (55.70 to 56.70): VN049633.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049633.D (-534) (-)



#14

Allyl chloride

Concen: 42.67 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

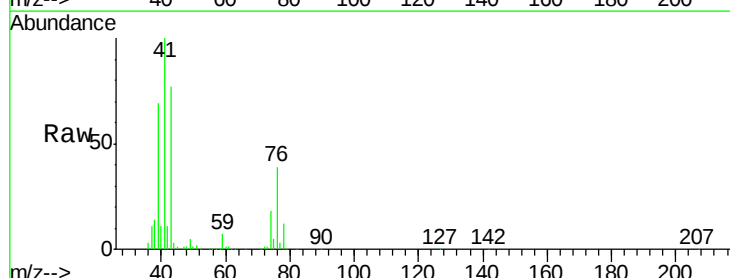
Tgt Ion: 41 Resp: 1037296

Ion Ratio Lower Upper

41 100

39 66.6 62.5 93.7

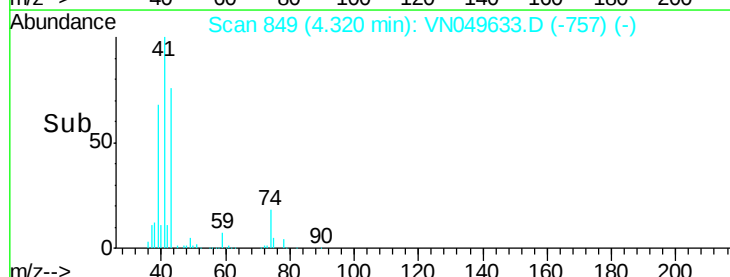
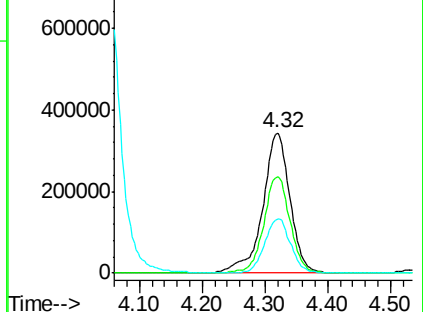
76 36.6 27.1 40.7

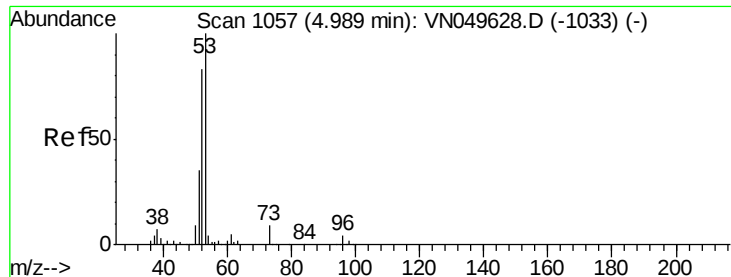


Abundance Ion 41.00 (40.70 to 41.70): VN049633.D (-757) (-)

Ion 39.00 (38.70 to 39.70): VN049633.D (-757) (-)

Ion 75.90 (75.60 to 76.60): VN049633.D (-757) (-)





#15

Acrylonitrile

Concen: 224.24 ug/l

RT: 4.99 min Scan# 1057

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion: 53 Resp: 1322301

Ion Ratio Lower Upper

53 100

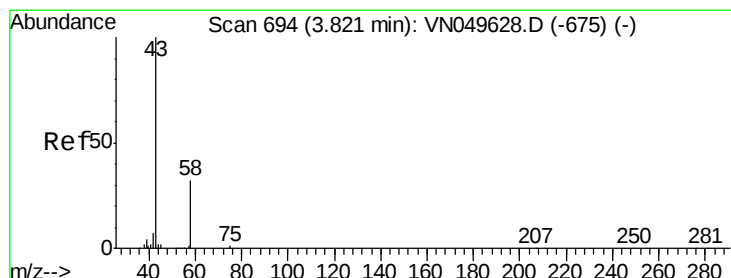
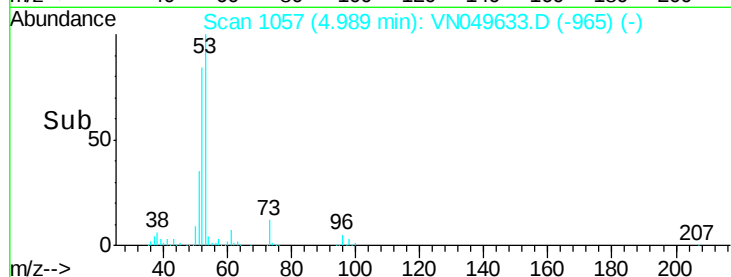
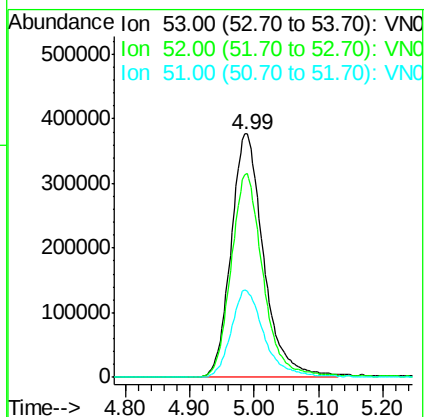
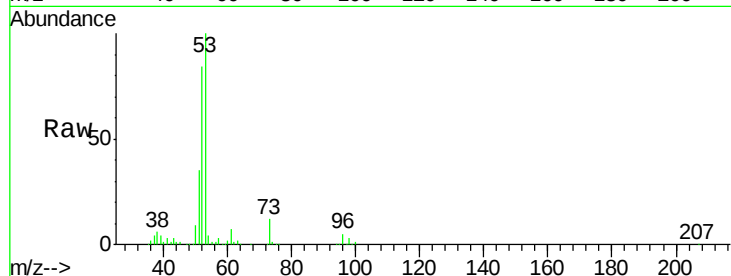
52 82.2 66.6 100.0

51 36.4 29.8 44.8

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#16

Acetone

Concen: 213.87 ug/l

RT: 3.82 min Scan# 692

Delta R.T. -0.00 min

Lab File: VN049633.D

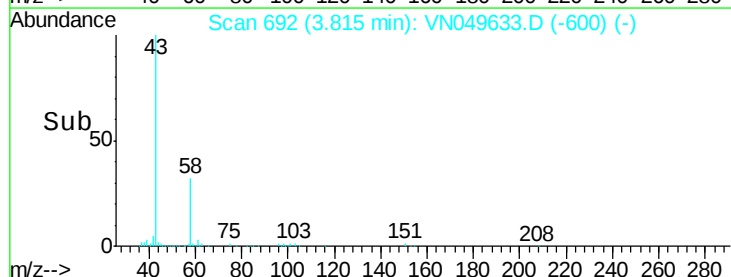
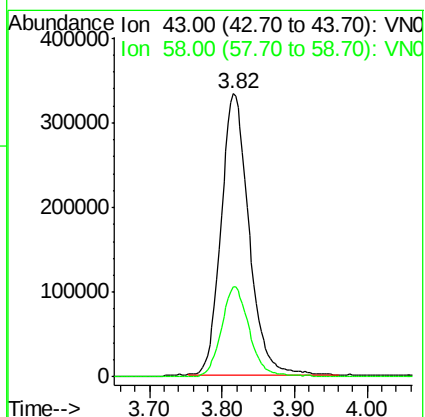
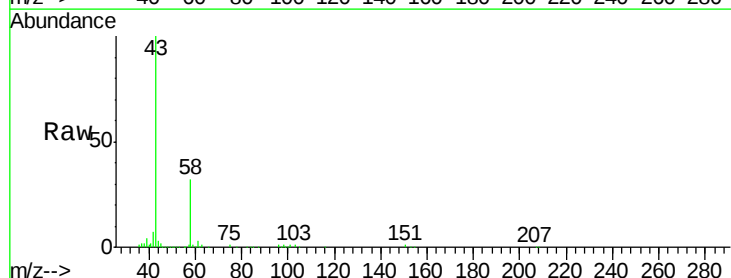
Acq: 29 Jun 2018 15:35

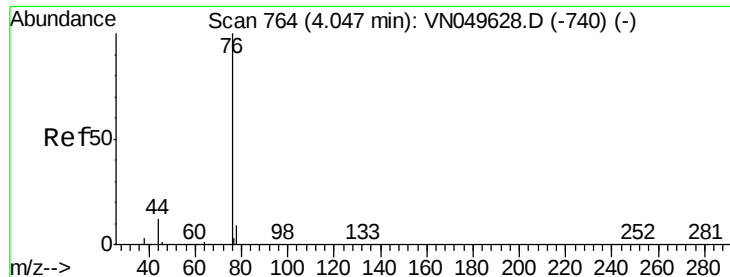
Tgt Ion: 43 Resp: 888164

Ion Ratio Lower Upper

43 100

58 32.0 22.4 33.6





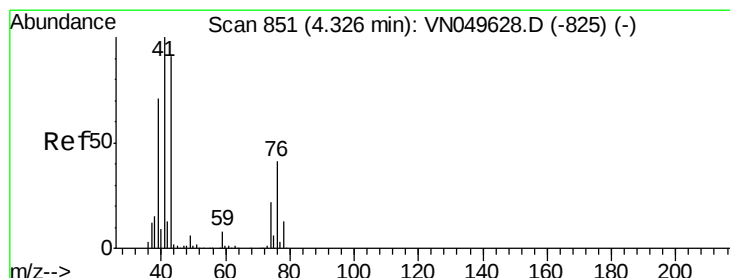
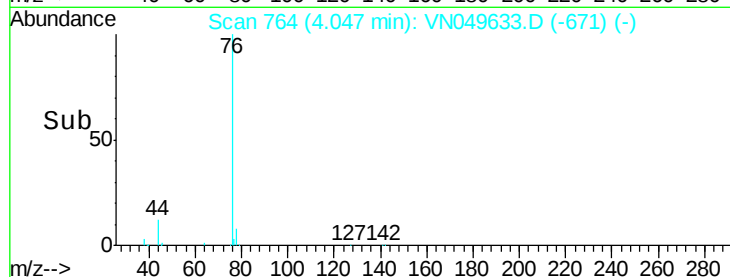
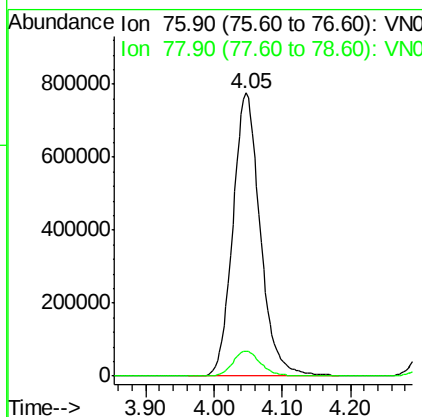
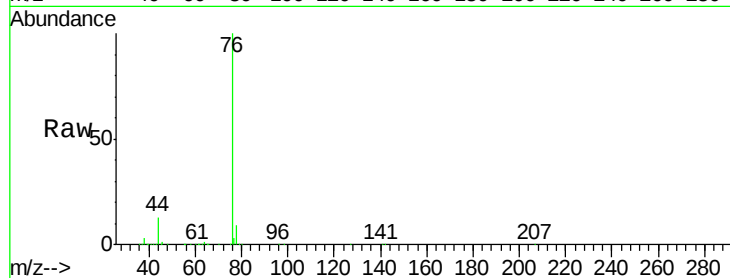
#17
Carbon Disulfide
Concen: 44.30 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

Tot Ion: 76 Resp: 2159774
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0

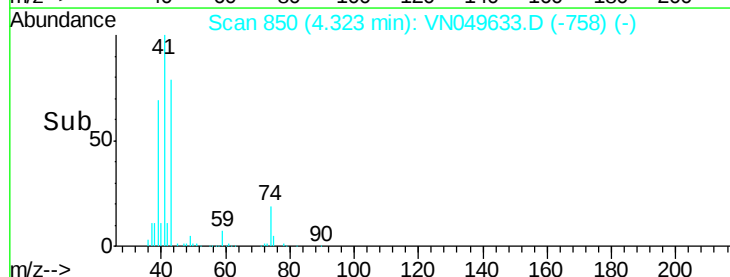
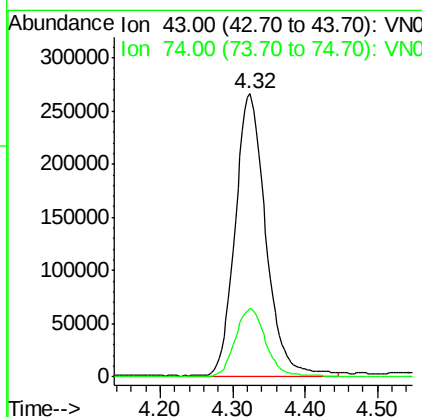
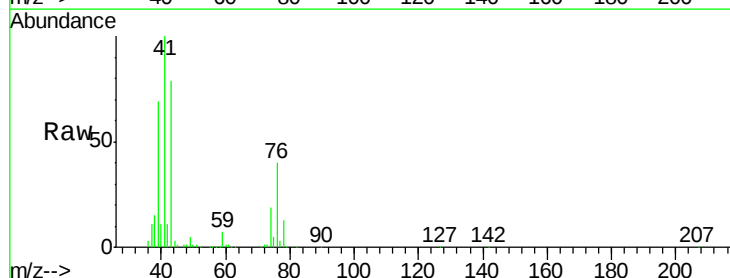
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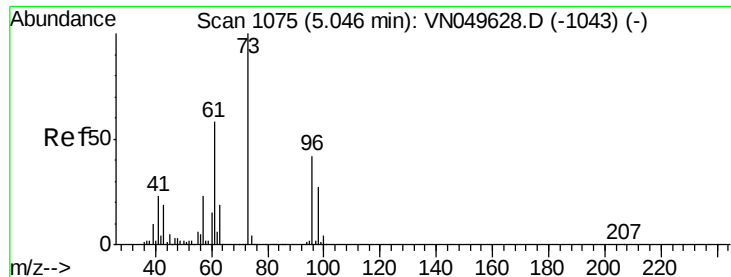
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#18
Methyl Acetate
Concen: 42.42 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion: 43 Resp: 778887
Ion Ratio Lower Upper
43 100
74 24.6 17.4 26.0





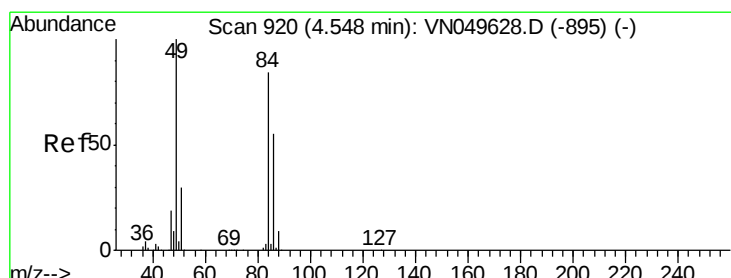
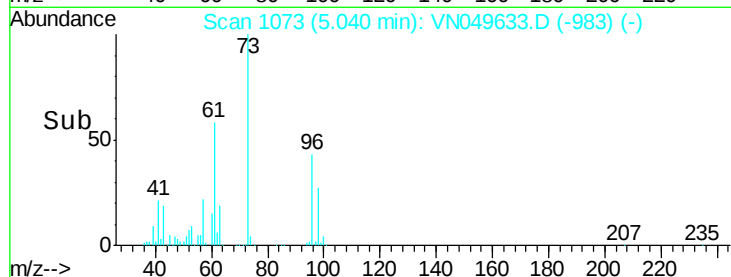
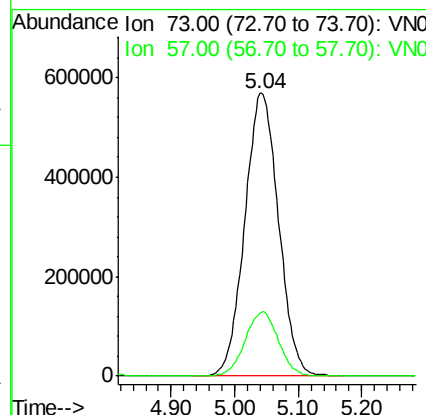
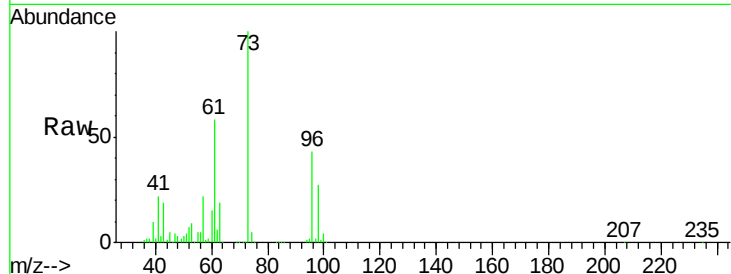
#19
Methyl tert-butyl Ether
Concen: 46.01 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampled :
ICVVN062918

Tot Ion: 73 Resp: 2098980
Ion Ratio Lower Upper
73 100
57 22.2 18.2 27.4

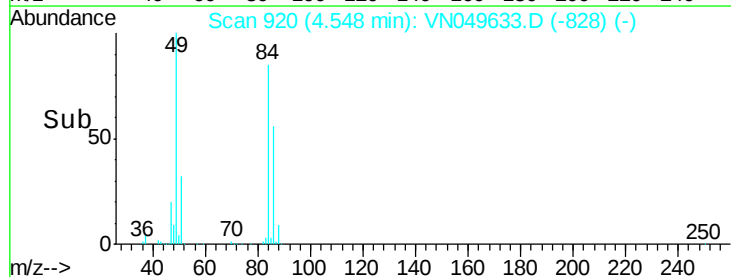
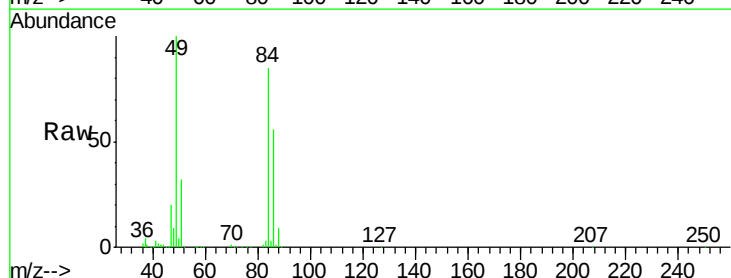
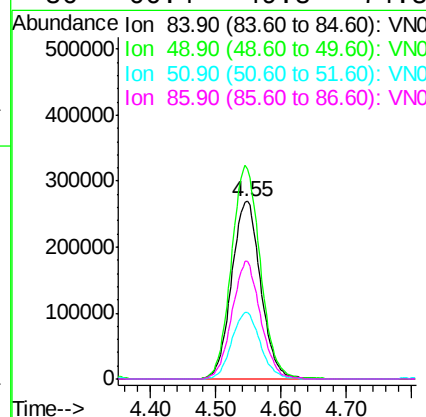
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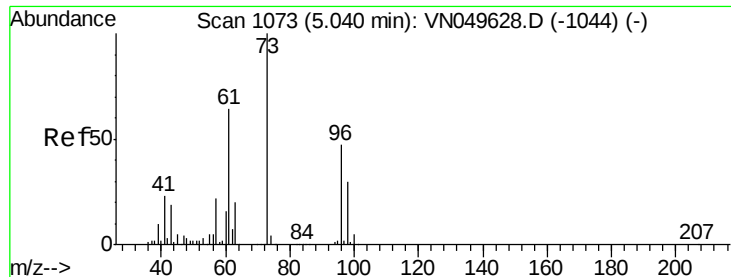
apatel
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#20
Methylene Chloride
Concen: 40.79 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion: 84 Resp: 835669
Ion Ratio Lower Upper
84 100
49 118.2 106.9 160.3
51 37.4 32.7 49.1
86 66.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 43.70 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion: 96 Resp: 795789

Ion Ratio Lower Upper

96 100

61 137.7 121.3 181.9

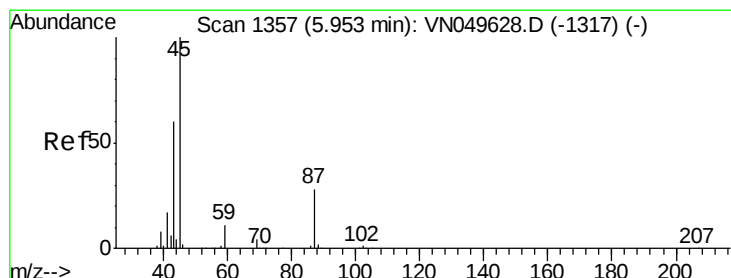
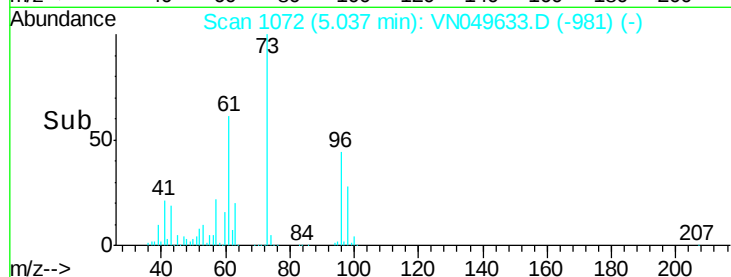
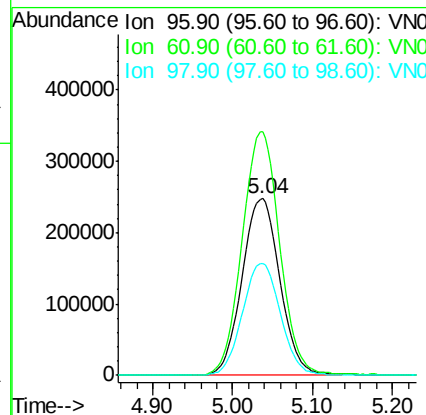
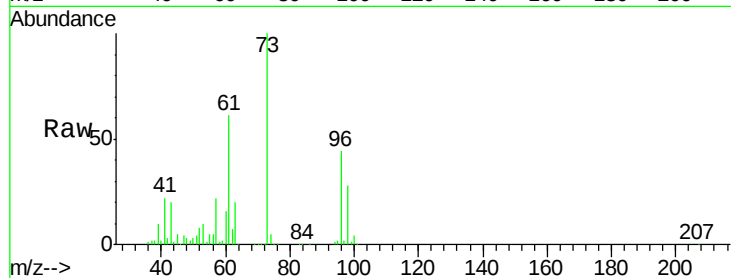
98 63.5 52.0 78.0

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#22

Diisopropyl ether

Concen: 45.62 ug/l

RT: 5.95 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Tgt Ion: 45 Resp: 2508655

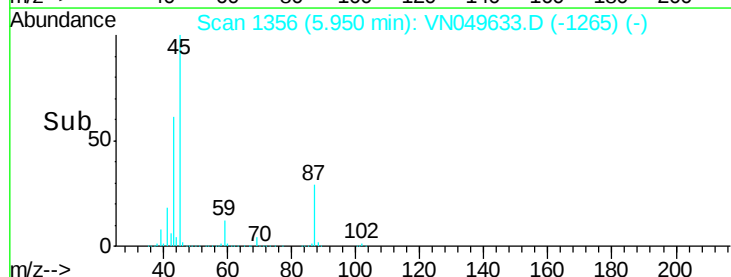
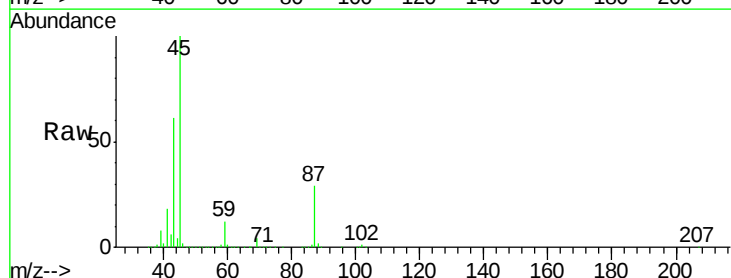
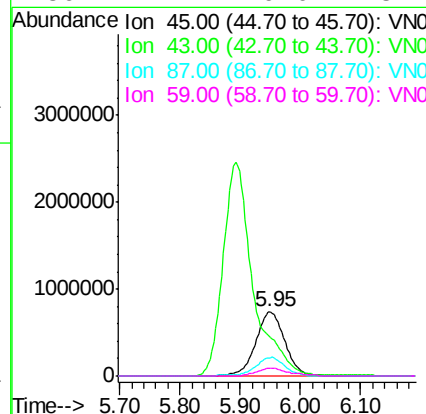
Ion Ratio Lower Upper

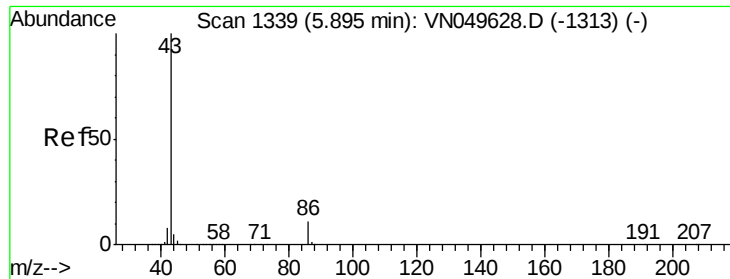
45 100

43 60.4 48.6 72.8

87 28.6 20.2 30.2

59 12.1 9.0 13.4





#23

Vinyl Acetate

Concen: 237.52 ug/l

RT: 5.89 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion: 43 Resp: 8470473

Ion Ratio Lower Upper

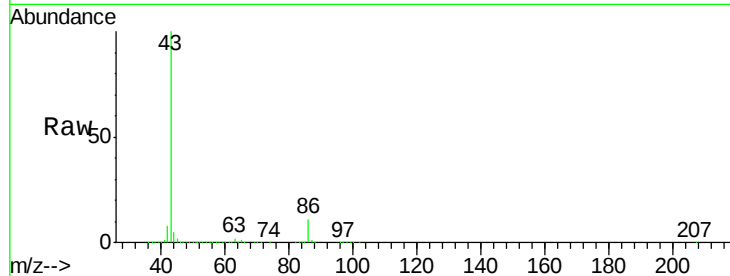
43 100

86 10.7 7.2 10.8

Manual Integrations
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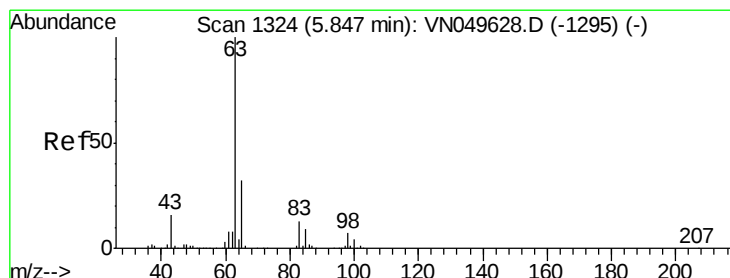
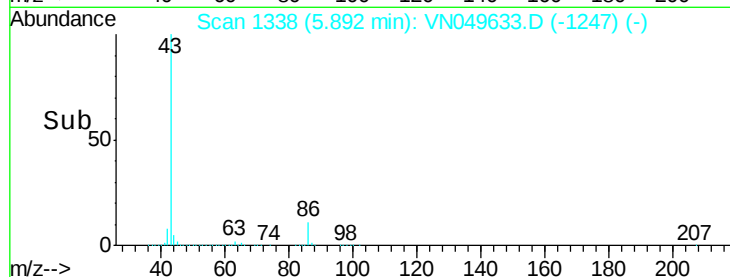
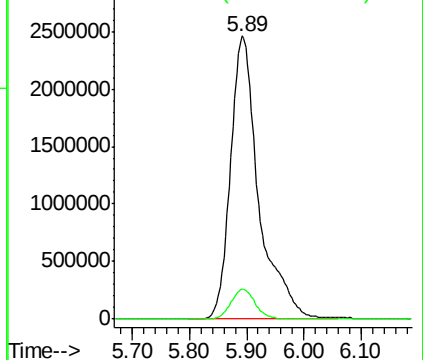
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 43.21 ug/l

RT: 5.84 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

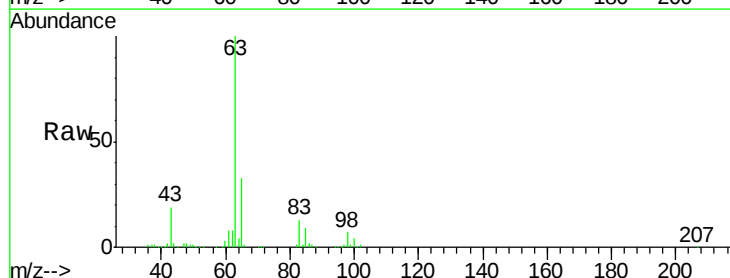
Tgt Ion: 63 Resp: 1496888

Ion Ratio Lower Upper

63 100

98 6.8 2.9 8.8

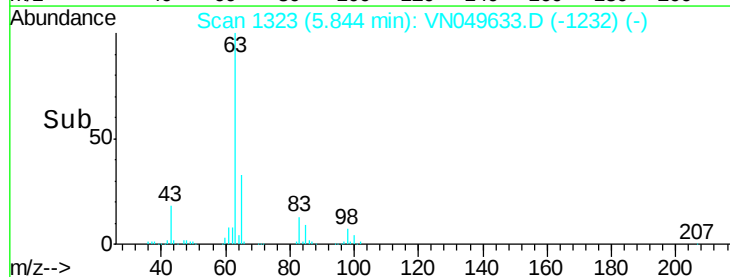
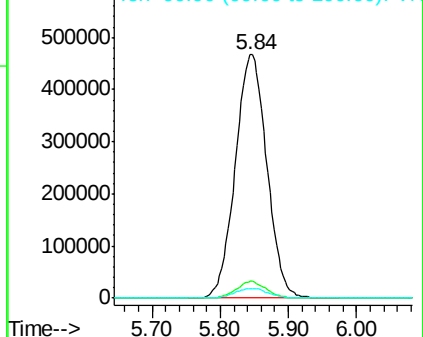
100 4.0 2.1 6.3

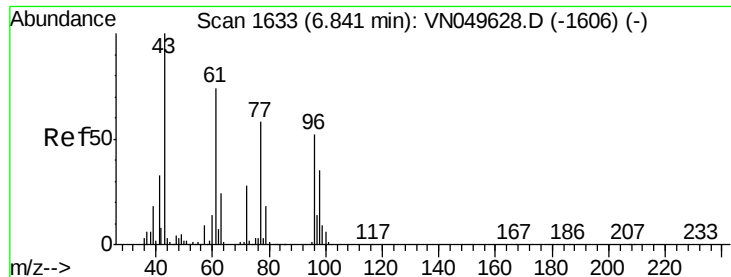


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





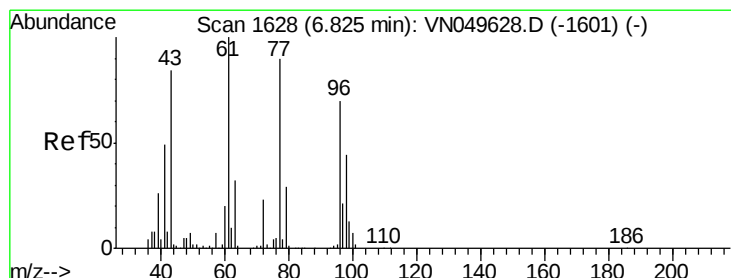
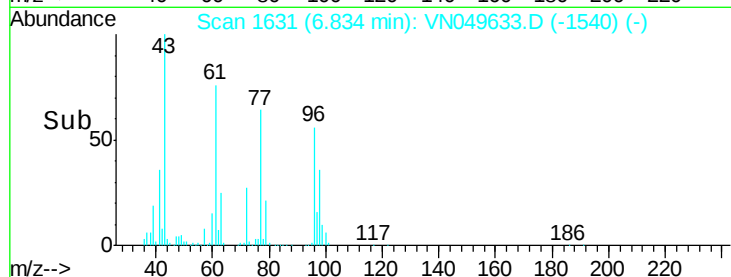
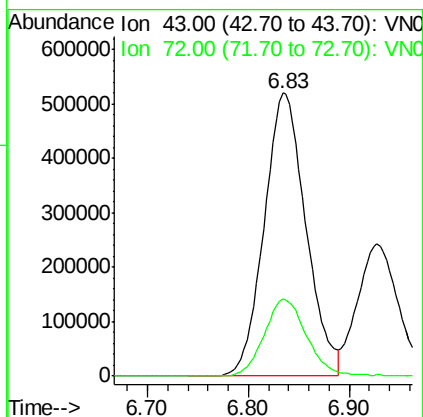
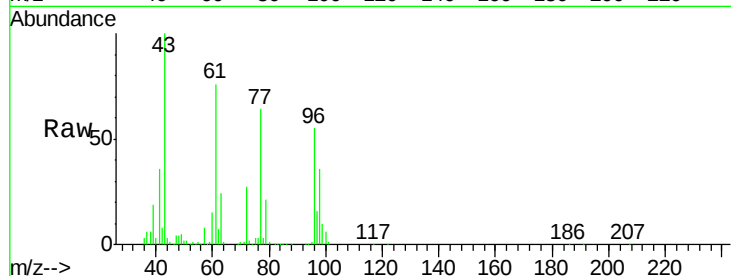
#25
2-Butanone
Concen: 225.46 ug/l
RT: 6.83 min Scan# 1631
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

Tot Ion: 43 Resp: 1489174
Ion Ratio Lower Upper
43 100
72 27.1 20.2 30.2

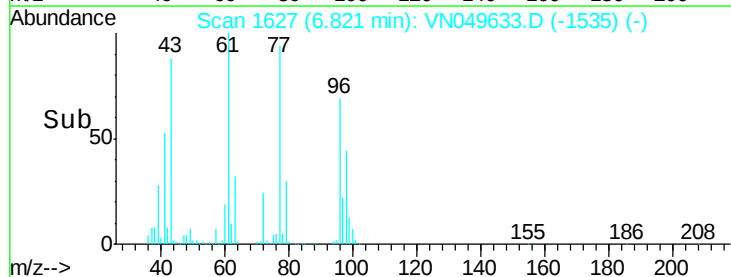
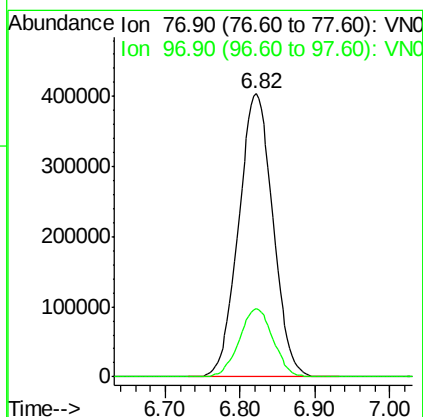
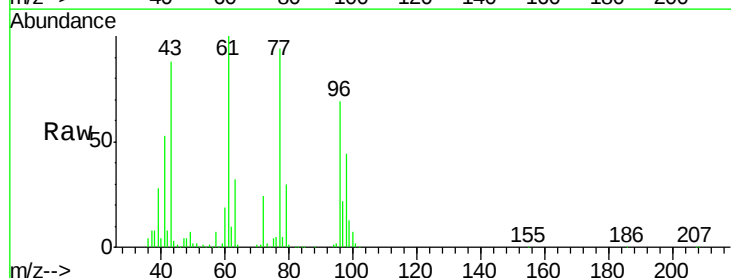
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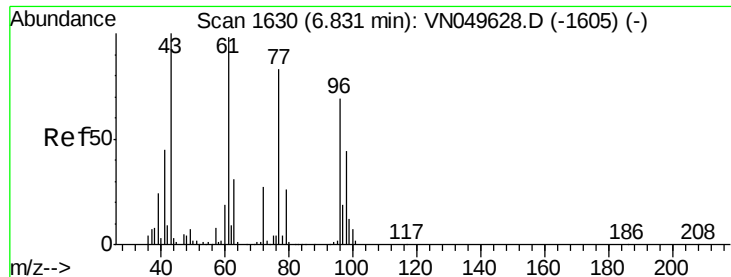
apatel
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#26
2,2-Dichloropropane
Concen: 44.73 ug/l
RT: 6.82 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion: 77 Resp: 1287022
Ion Ratio Lower Upper
77 100
97 23.8 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 44.58 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049633.D

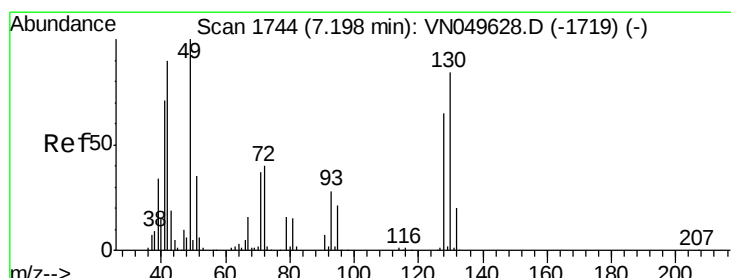
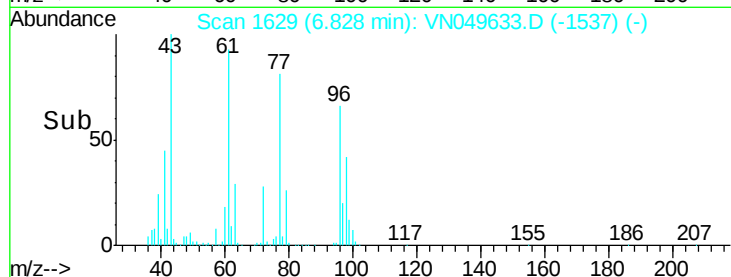
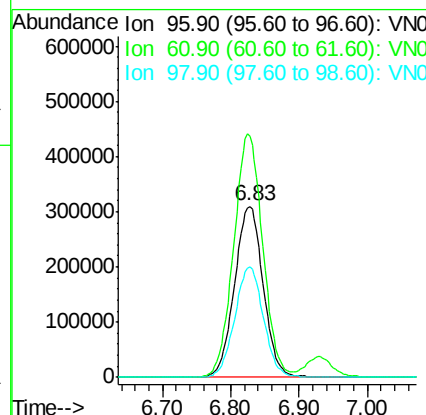
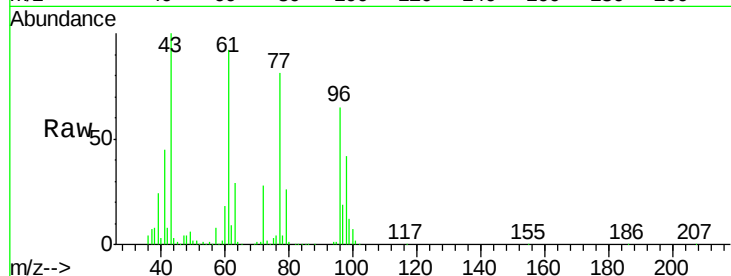
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.1	0.0	316.4	
98	64.5	0.0	128.4	

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#28

Bromochloromethane

Concen: 48.37 ug/l

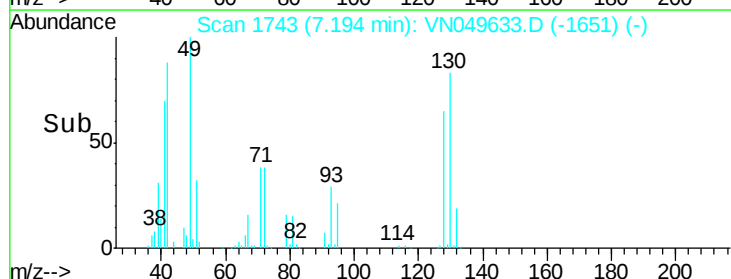
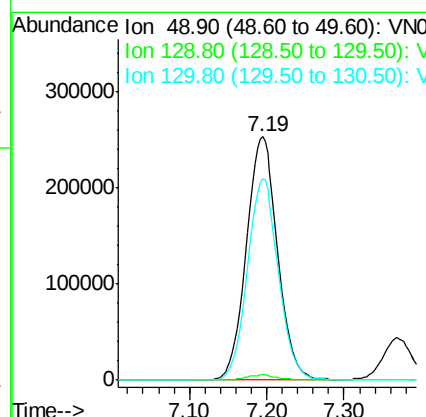
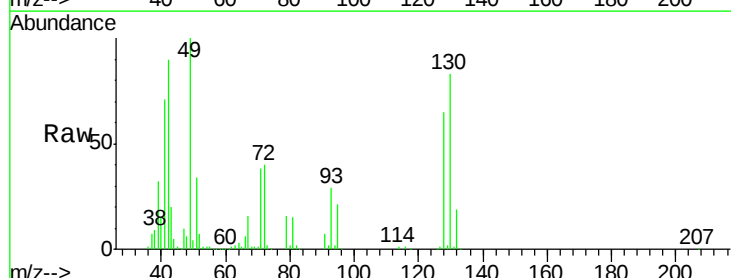
RT: 7.19 min Scan# 1743

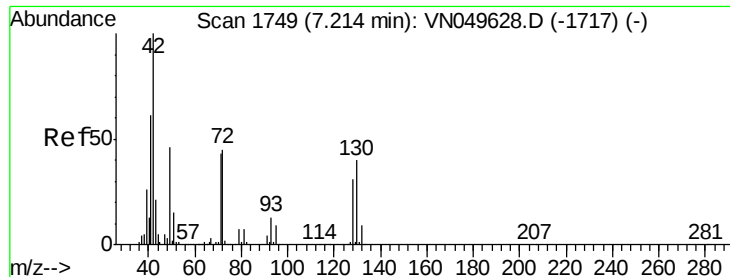
Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	3.8	
130	82.4	54.9	82.3#	





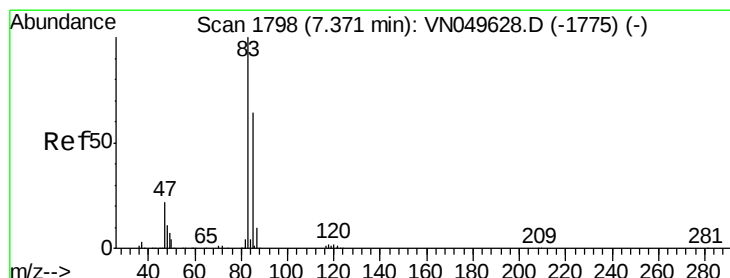
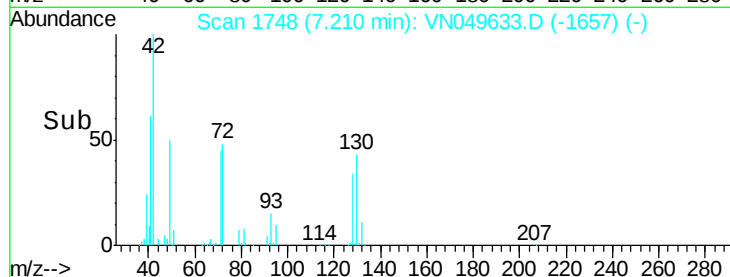
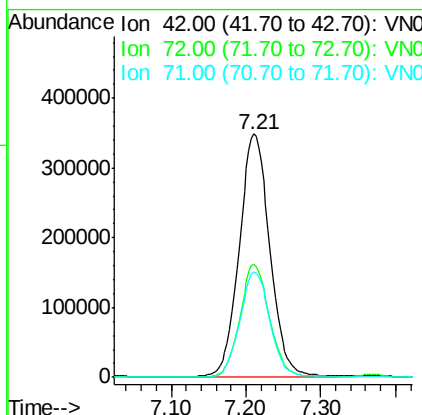
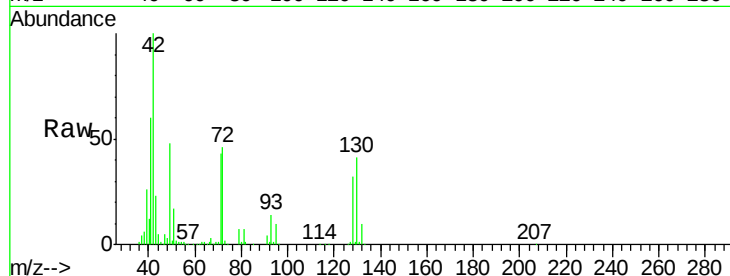
#29
Tetrahydrofuran
Concen: 234.90 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

Tot Ion	Ratio	Resp	Lower	Upper
42	100	988921		
72	45.3		32.2	48.4
71	42.7		30.5	45.7

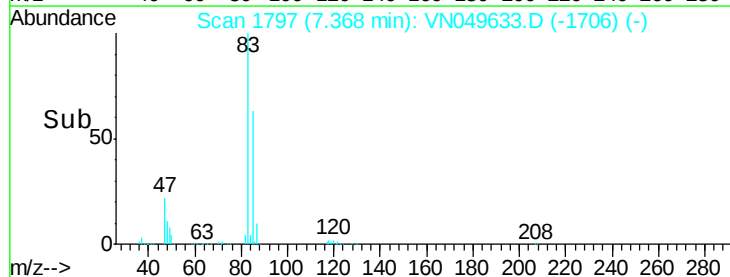
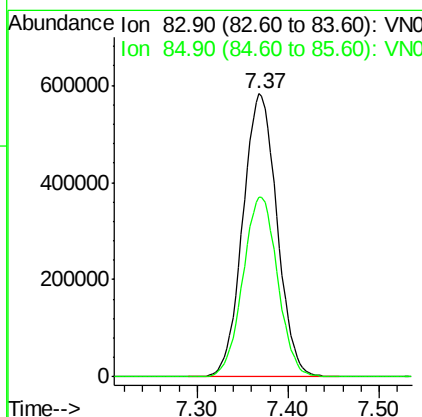
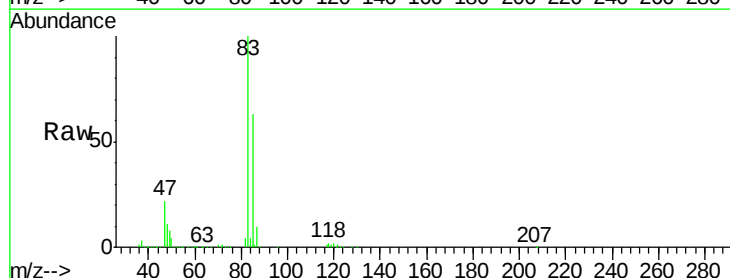
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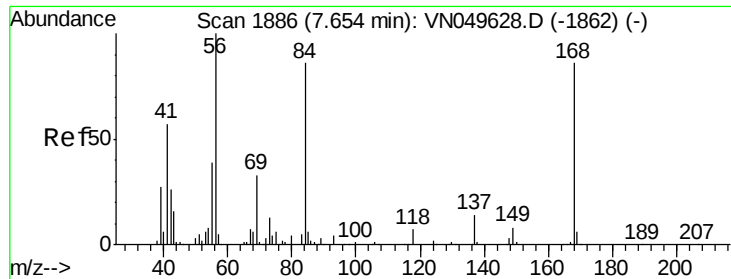
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#30
Chloroform
Concen: 43.04 ug/l
RT: 7.37 min Scan# 1797
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	1520067		
85	63.5		51.7	77.5





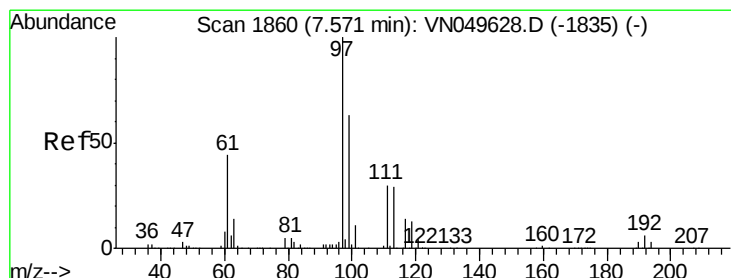
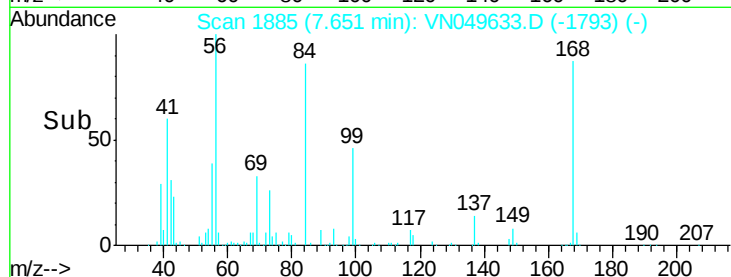
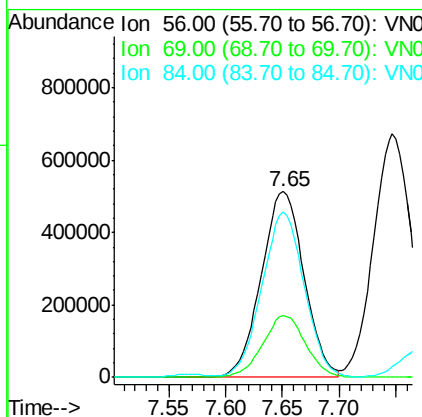
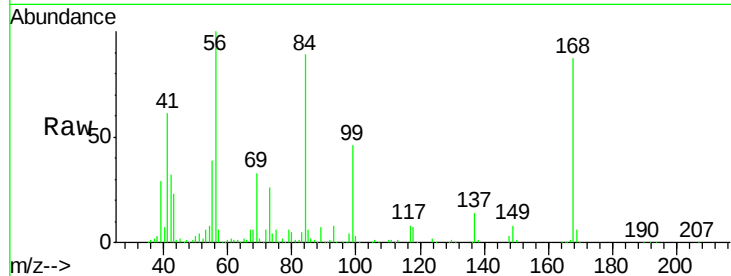
#31
Cyclohexane
Concen: 45.26 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampled :
ICVVN062918

Tot Ion: 56 Resp: 1346244
Ion Ratio Lower Upper
56 100
69 33.4 25.0 37.4
84 87.6 64.6 96.8

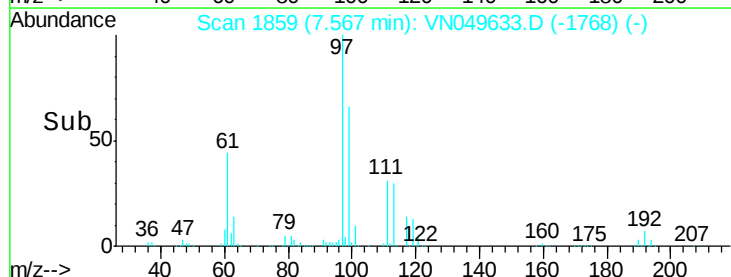
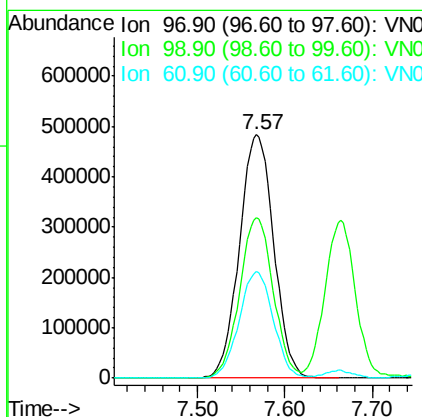
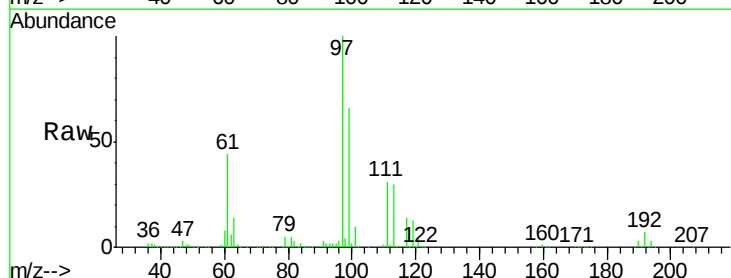
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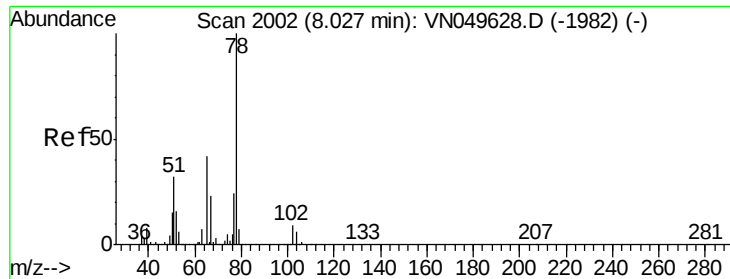
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#32
1,1,1-Trichloroethane
Concen: 44.08 ug/l
RT: 7.57 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion: 97 Resp: 1317892
Ion Ratio Lower Upper
97 100
99 64.4 50.5 75.7
61 43.5 37.9 56.9





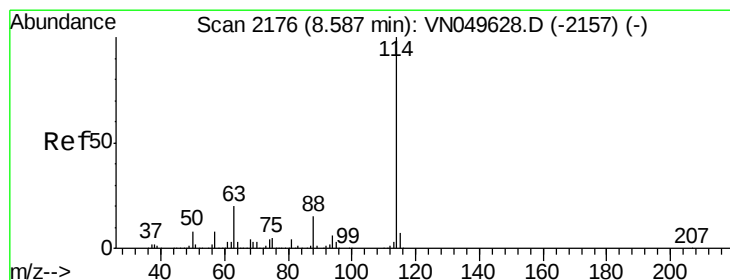
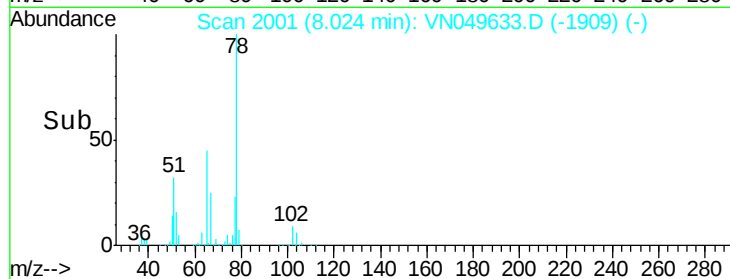
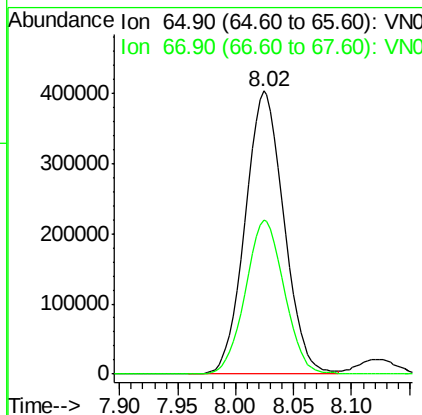
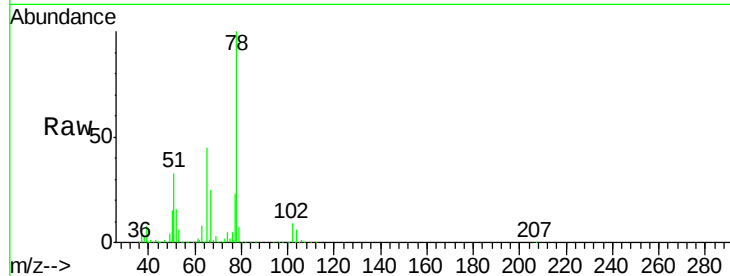
#33
 1,2-Dichloroethane-d4
 Concen: 47.19 ug/l
 RT: 8.02 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062918

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.6	0.0	103.8	

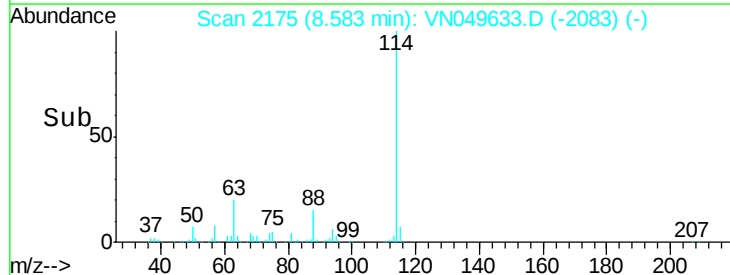
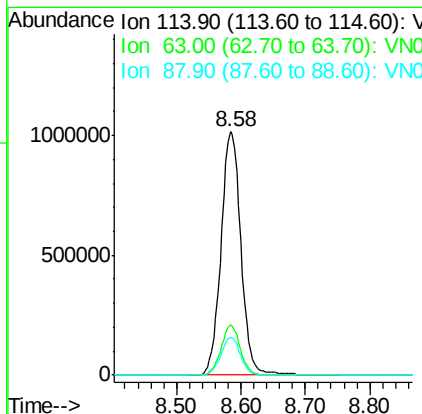
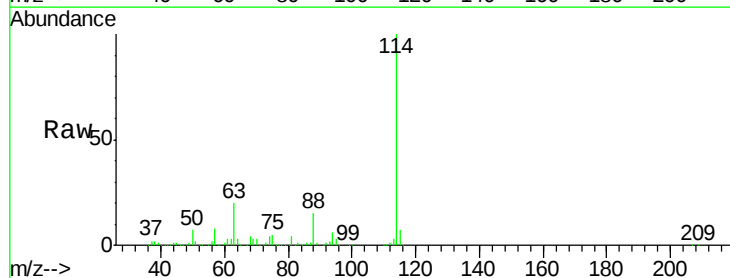
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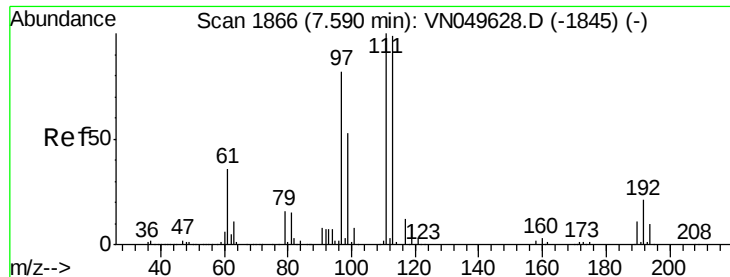
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.58 min Scan# 2175
 Delta R.T. -0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.4	0.0	44.4	
88	15.3	0.0	31.4	





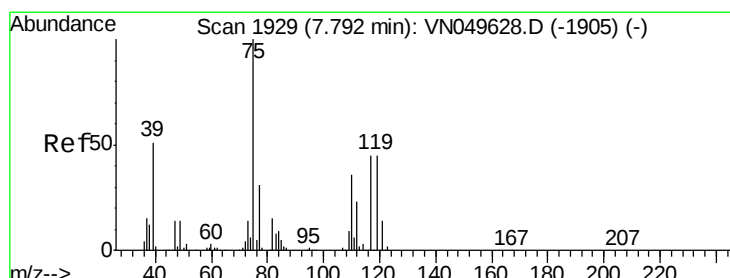
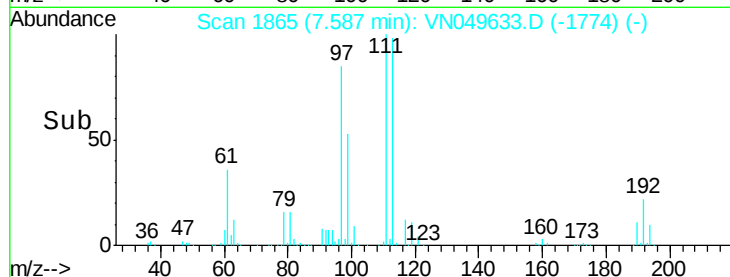
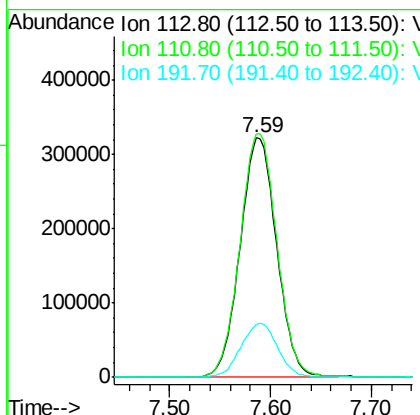
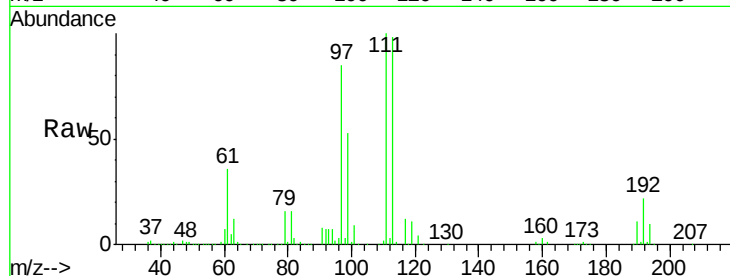
#35
Dibromofluoromethane
Concen: 49.84 ug/l
RT: 7.59 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	82.4	123.6	
192	22.7	15.0	22.6	

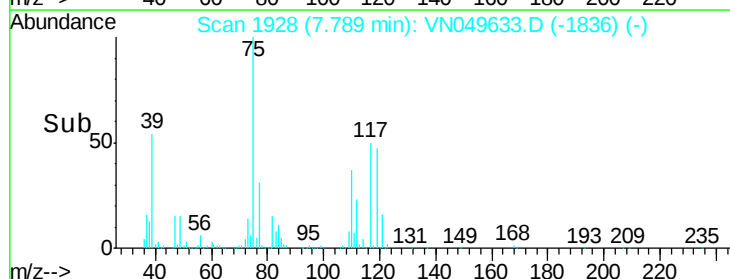
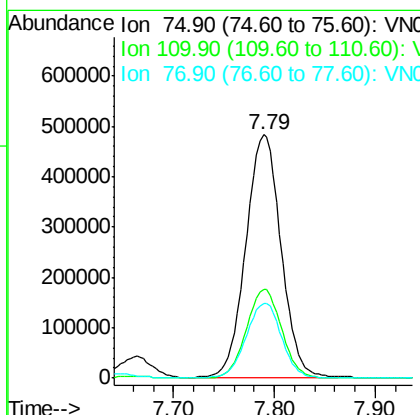
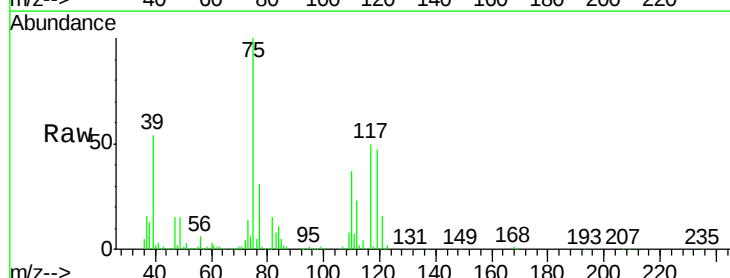
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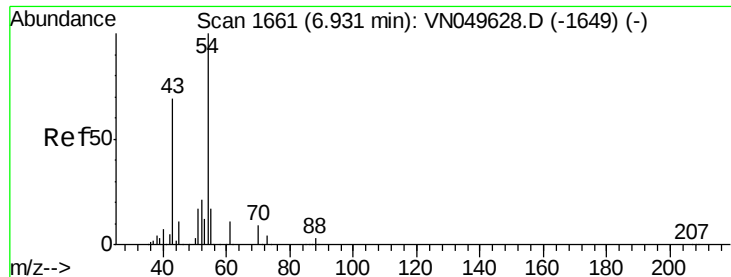
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#36
1,1-Dichloropropene
Concen: 47.64 ug/l
RT: 7.79 min Scan# 1928
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.7	17.0	50.9	
77	31.1	24.4	36.6	





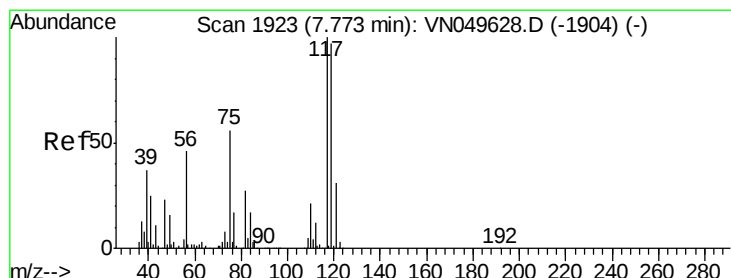
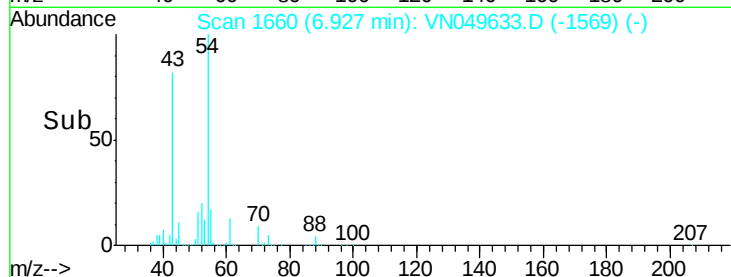
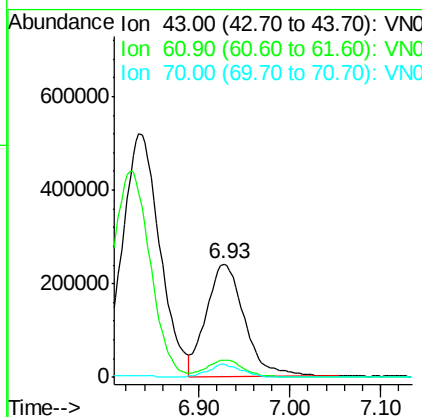
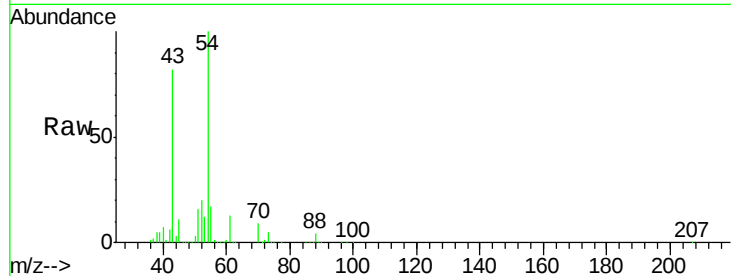
#37
Ethyl Acetate
Concen: 49.08 ug/l
RT: 6.93 min Scan# 1660
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.4
70	10.3	7.2	10.8

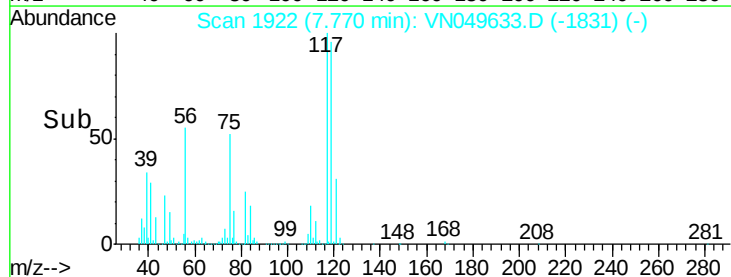
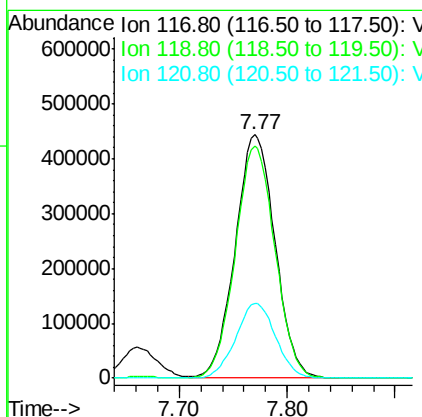
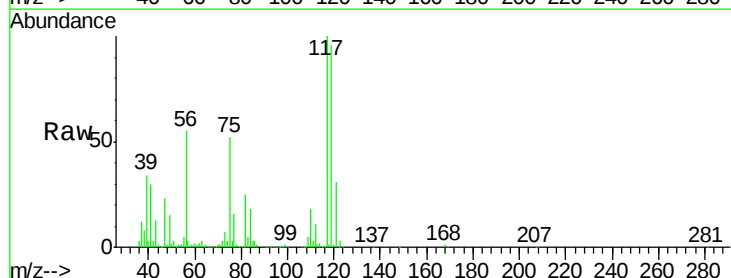
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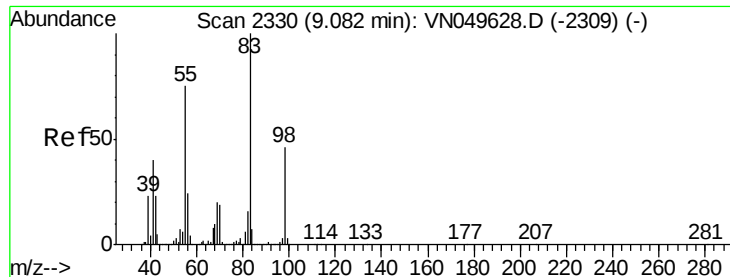
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#38
Carbon Tetrachloride
Concen: 47.89 ug/l
RT: 7.77 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	75.6	113.4
121	30.9	24.7	37.1





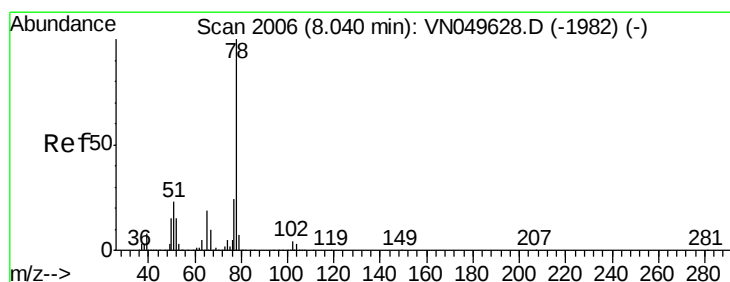
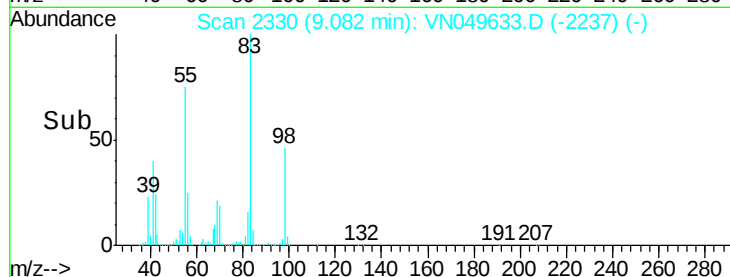
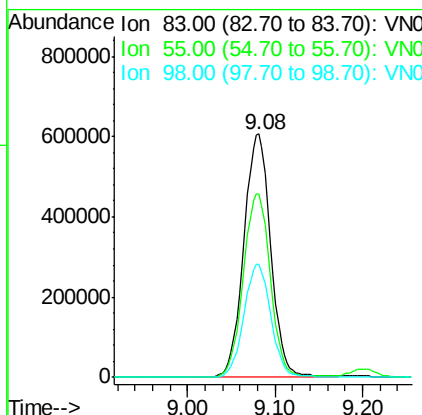
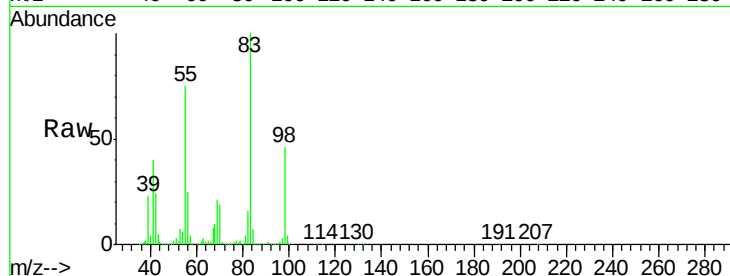
#39
Methvlcvclohexane
Concen: 48.40 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	65.1	97.7
98	46.2	36.5	54.7

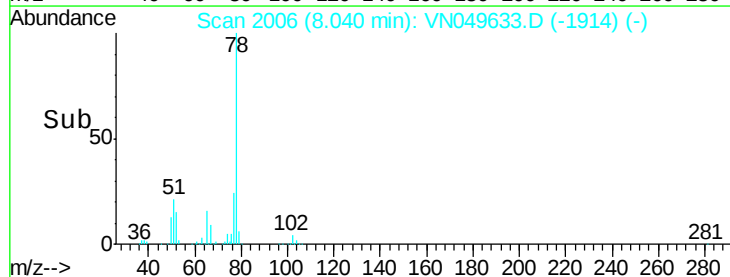
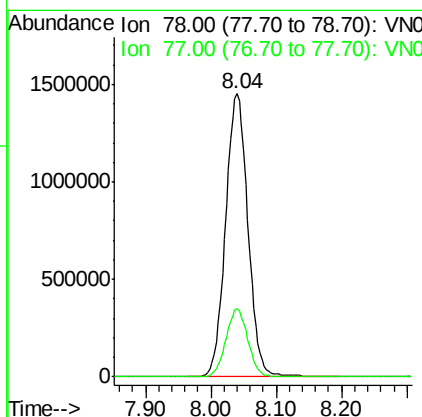
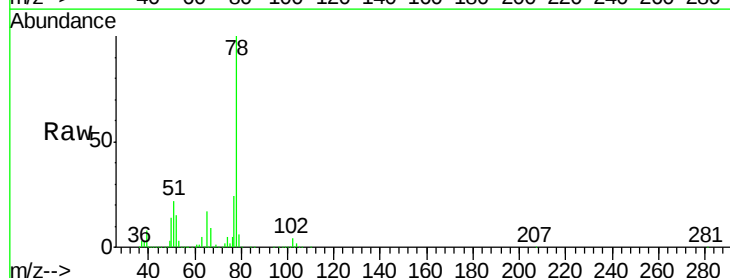
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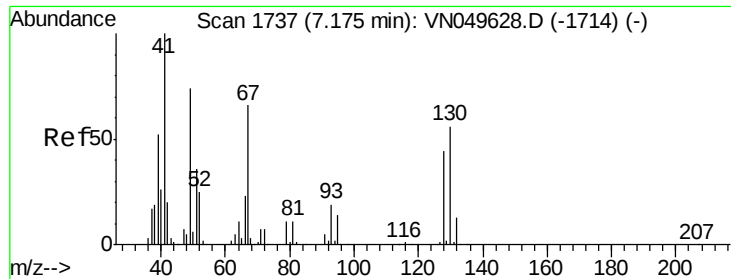
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#40
Benzene
Concen: 46.07 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.4	29.0





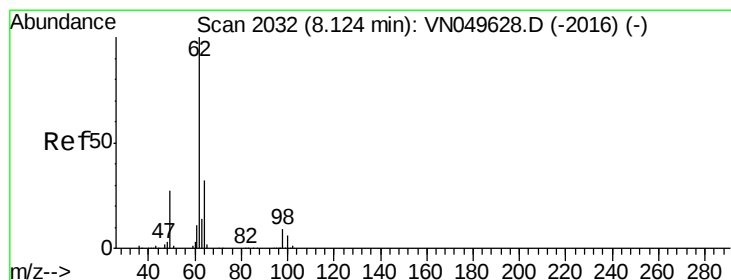
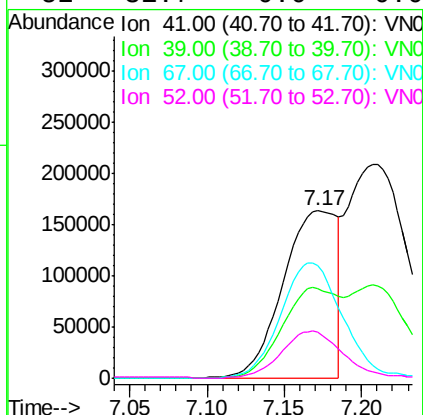
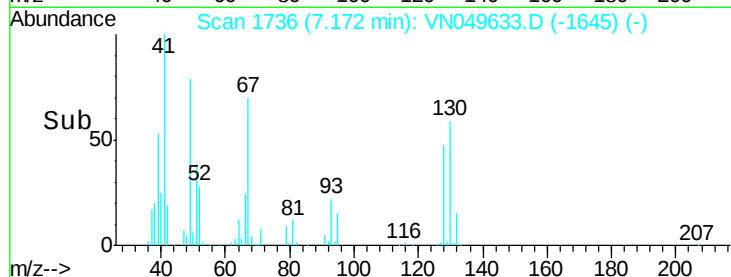
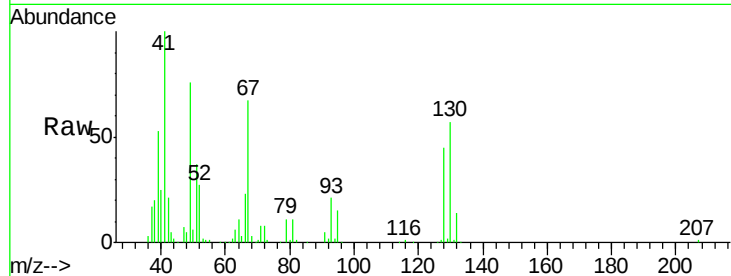
#41
Methacrylonitrile
Concen: 51.63 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampled :
ICVVN062918

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	57.5	0.0	0.0#		
67	79.9	0.0	0.0#		
52	31.7	0.0	0.0#		

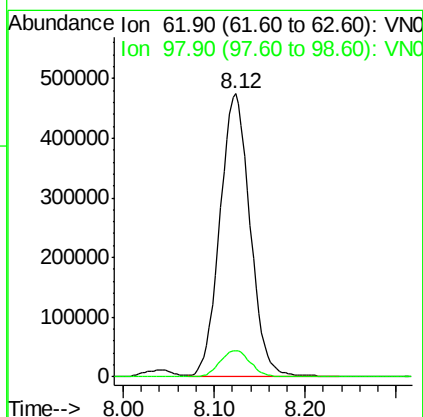
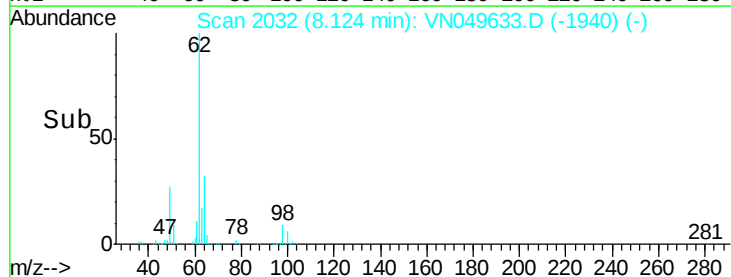
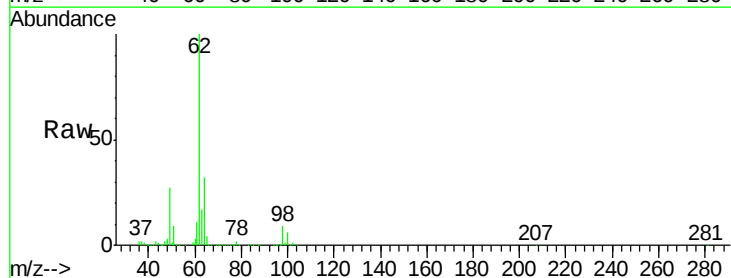
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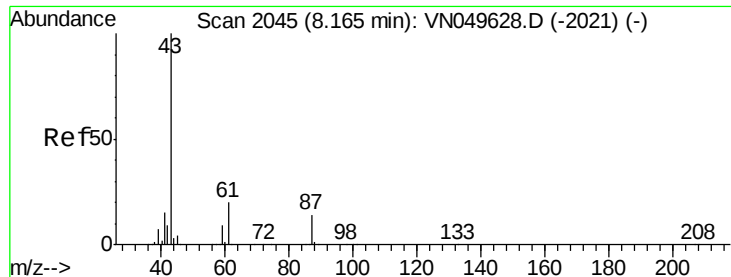
apatel
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#42
1,2-Dichloroethane
Concen: 45.82 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	9.4	0.0	16.2		





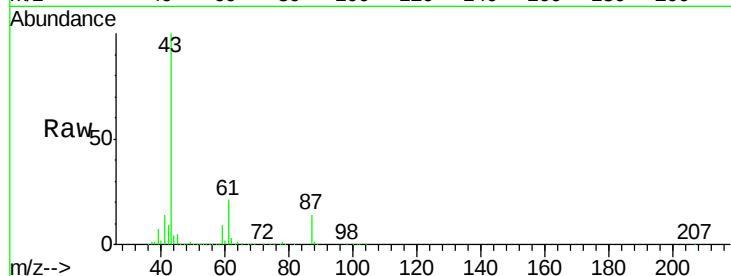
#43
Isopropyl Acetate
Concen: 47.11 ug/l
RT: 8.17 min Scan# 2045
Delta R.T. 0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

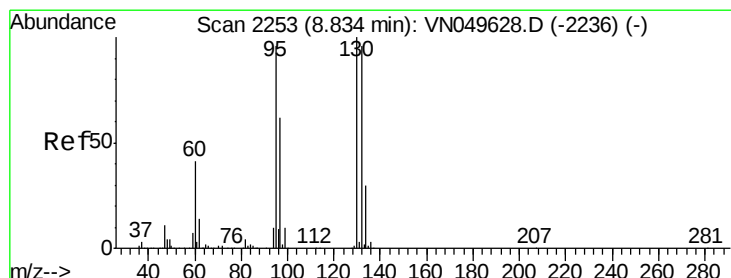
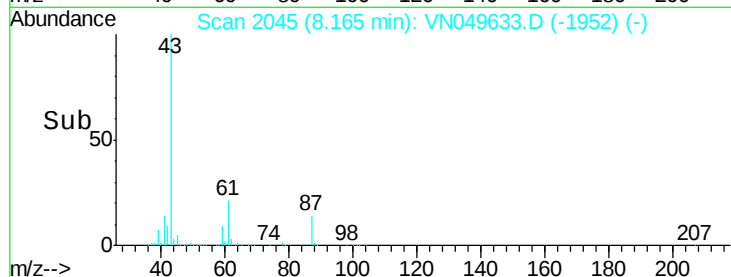
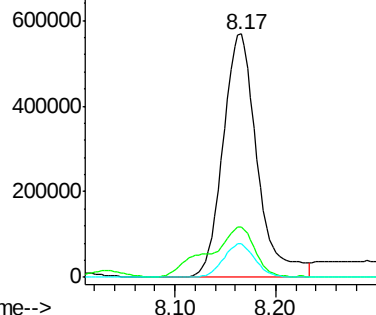
Tot Ion: 43 Resp: 1333347
Ion Ratio Lower Upper
43 100
61 27.3 14.2 21.4#
87 12.8 9.4 14.0

Manual Integrations
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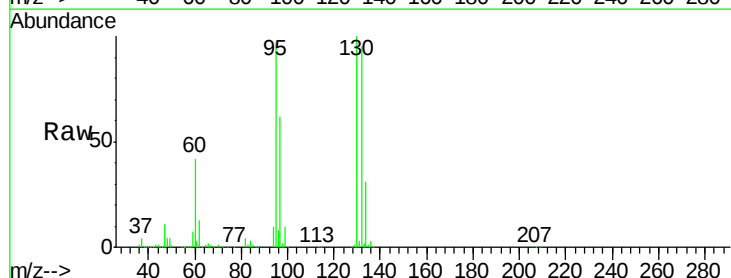


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

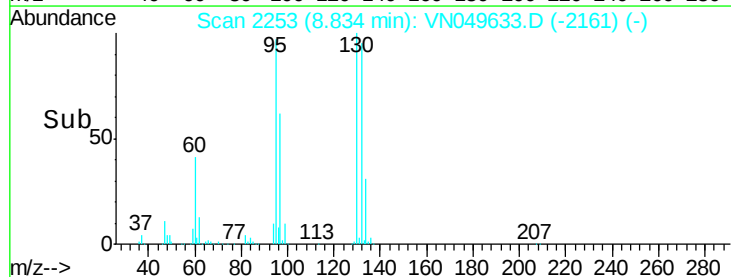
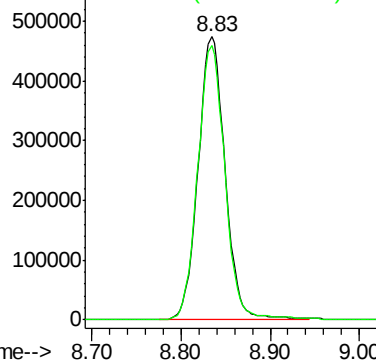


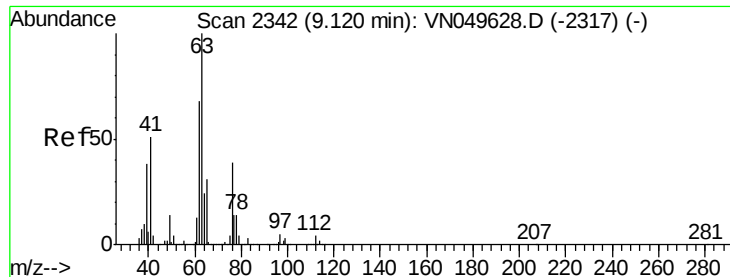
#44
Trichloroethene
Concen: 44.15 ug/l
RT: 8.83 min Scan# 2253
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion:130 Resp: 992853
Ion Ratio Lower Upper
130 100
95 96.8 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VN0





#45

1,2-Dichloropropane

Concen: 46.78 ug/l

RT: 9.12 min Scan# 2341

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Tot Ion: 63 Resp: 901232

Ion Ratio Lower Upper

63 100

65 30.7 24.8 37.2

Instrument :

MSVOA_N

ClientSampleId :

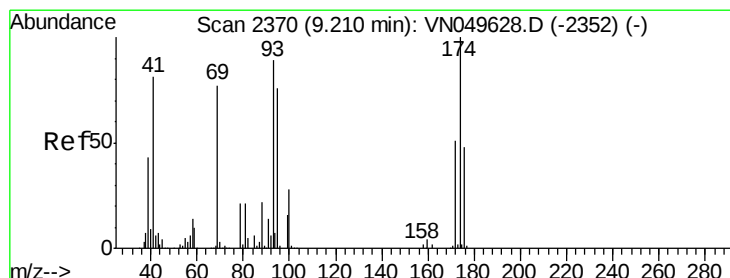
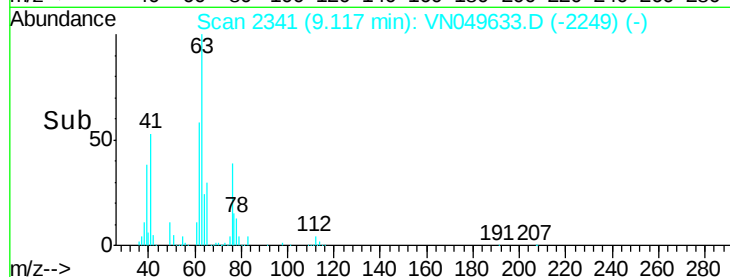
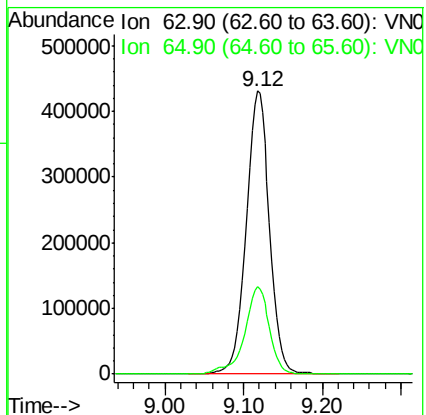
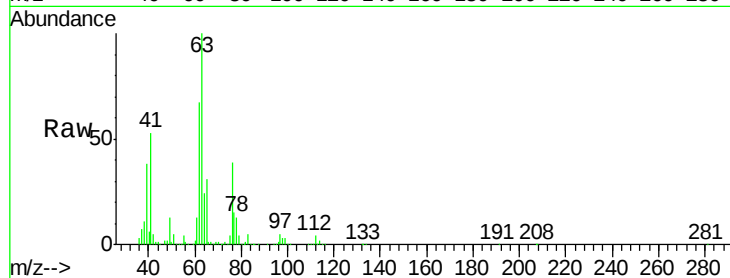
ICVVN062918

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#46

Dibromomethane

Concen: 45.95 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

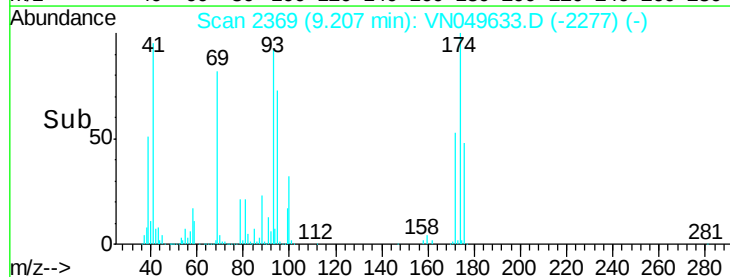
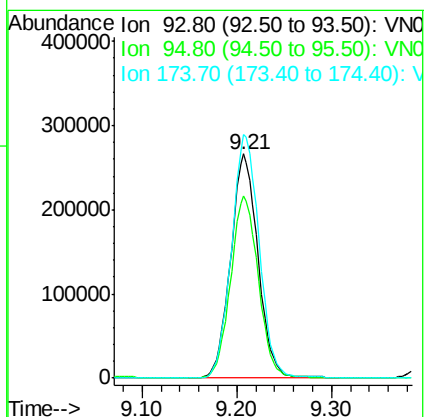
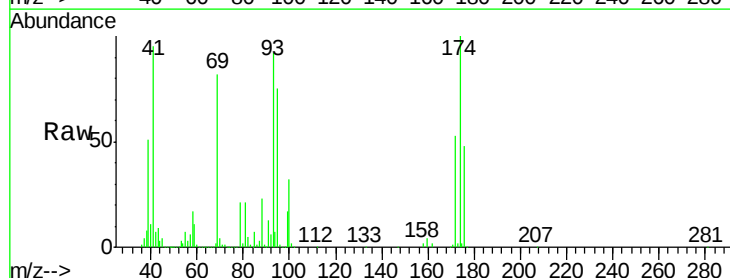
Tgt Ion: 93 Resp: 535552

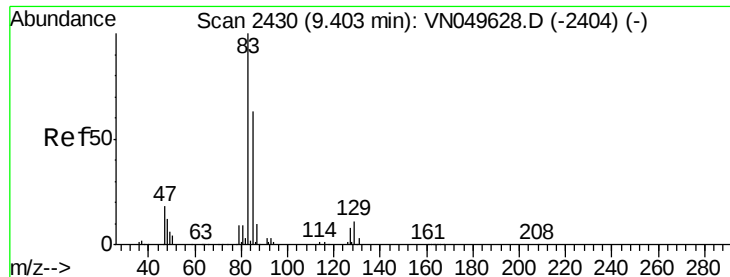
Ion Ratio Lower Upper

93 100

95 82.0 67.2 100.8

174 109.6 75.6 113.4





#47

Bromodichloromethane

Concen: 46.66 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062918

Tot Ion: 83 Resp: 1157776

Ion Ratio Lower Upper

83 100

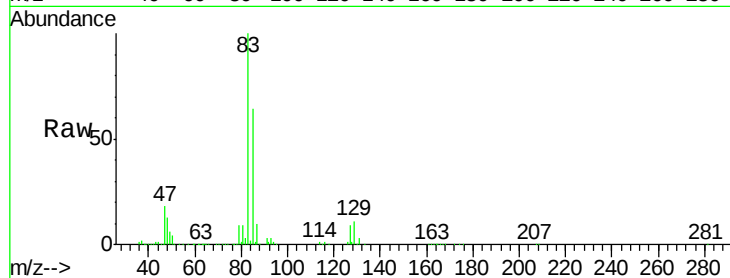
85 64.3 49.4 74.0

127 8.6 6.3 9.5

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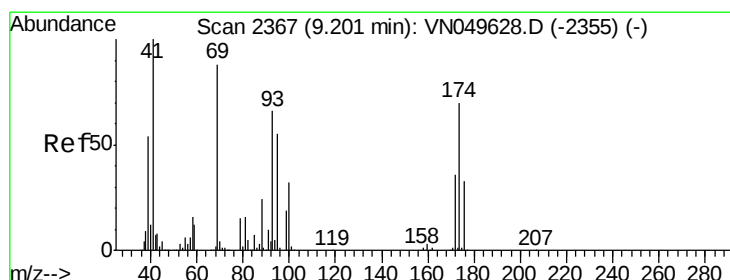
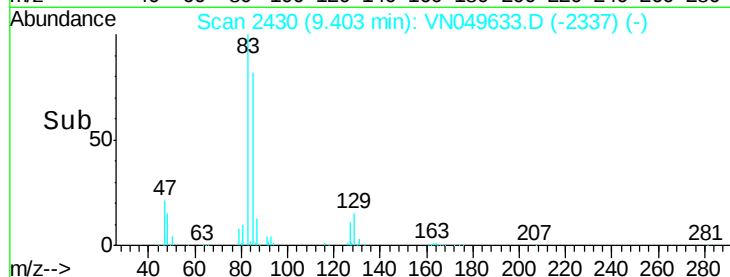
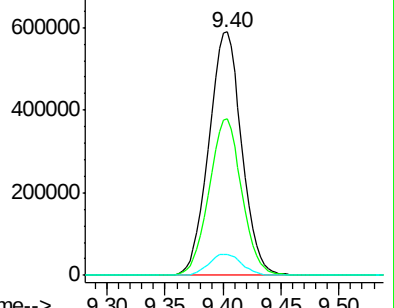
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Abundance Ion 82.90 (82.60 to 83.60): VN049633.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049633.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049633.D (-2337) (-)



#48

Methyl methacrylate

Concen: 48.13 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

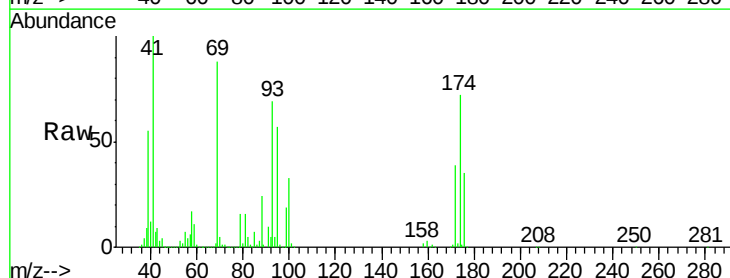
Tgt Ion: 41 Resp: 609208

Ion Ratio Lower Upper

41 100

69 92.4 62.0 93.0

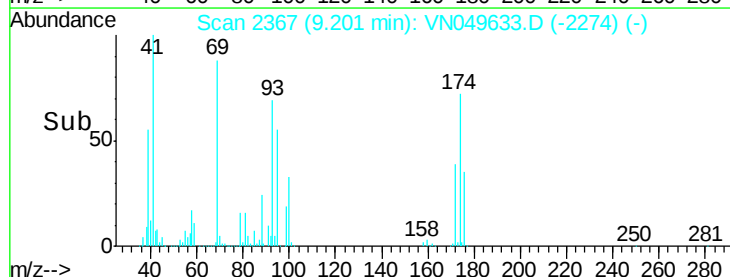
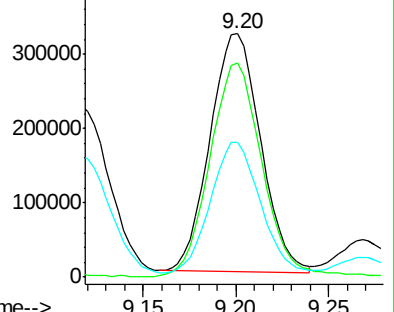
39 57.5 50.6 75.8

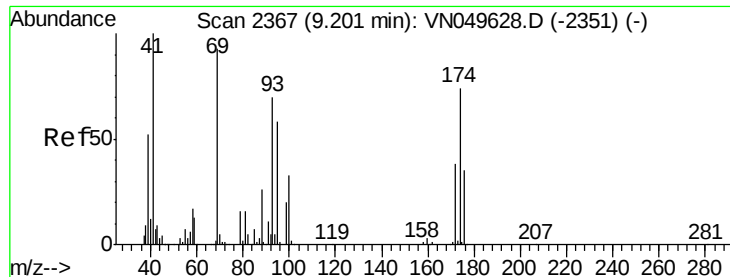


Abundance Ion 41.00 (40.70 to 41.70): VN049633.D (-2274) (-)

Ion 69.00 (68.70 to 69.70): VN049633.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049633.D (-2274) (-)





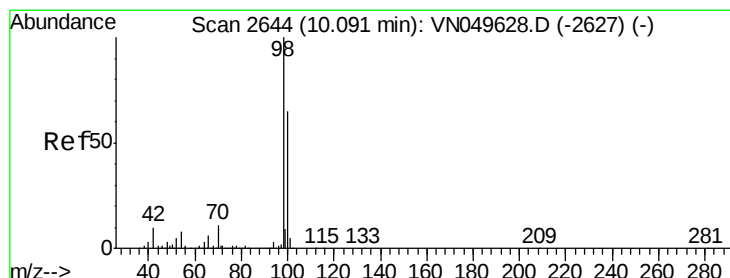
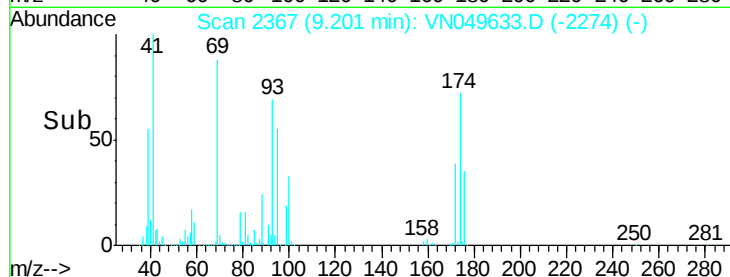
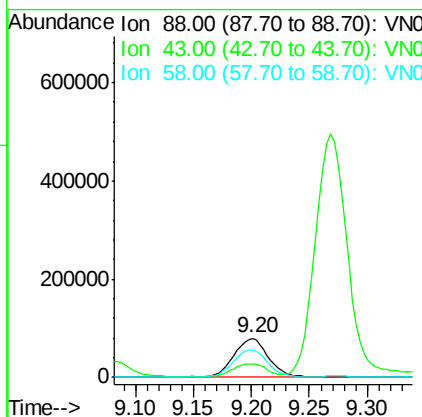
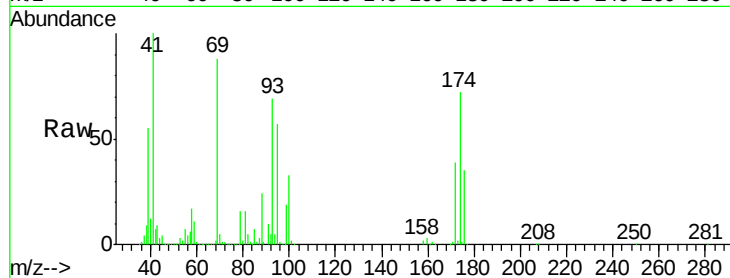
#49
1,4-Dioxane
Concen: 969.50 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.9	30.9	46.3
58	70.4	58.9	88.3

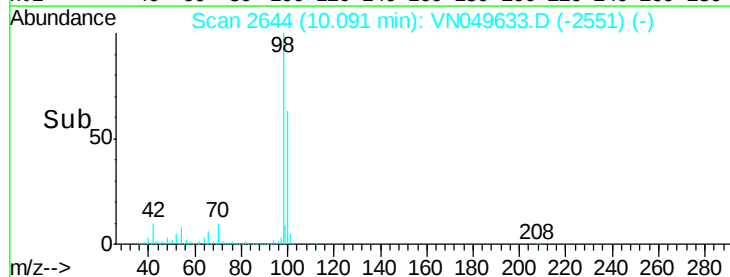
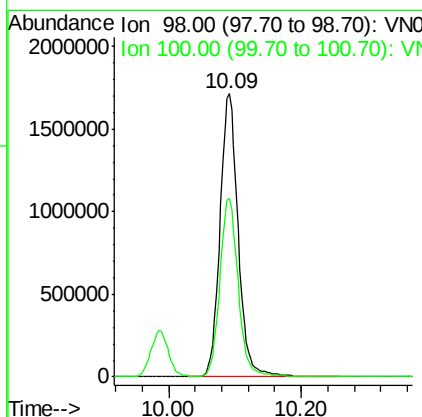
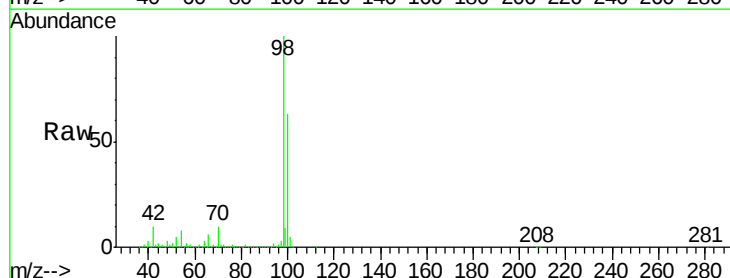
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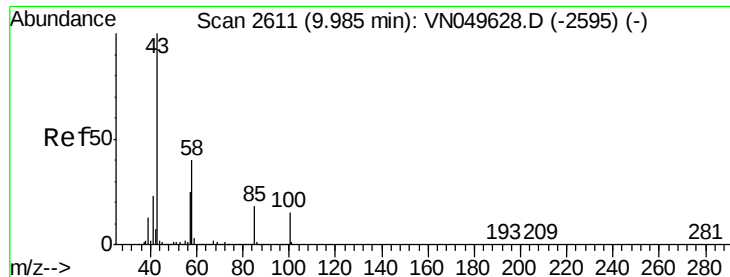
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#50
Toluene-d8
Concen: 51.07 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 246.72 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062918

Tot Ion: 43 Resp: 3445644

Ion Ratio Lower Upper

43 100

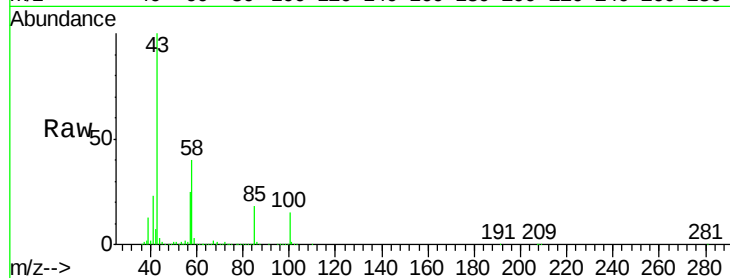
58 39.7 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2595) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-2595) (-)

2000000

1500000

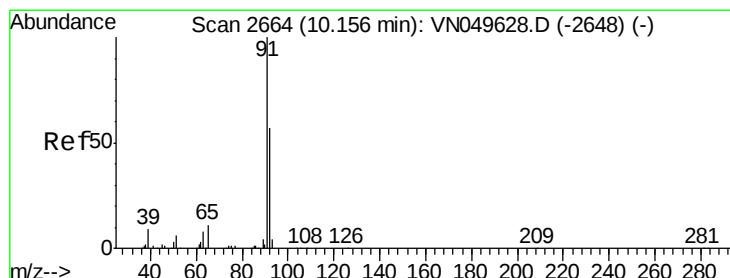
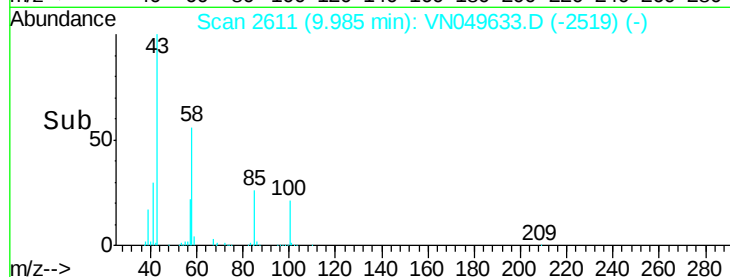
1000000

500000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 47.72 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049633.D

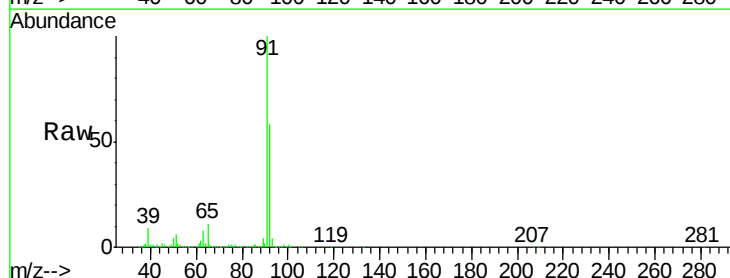
Acq: 29 Jun 2018 15:35

Tgt Ion: 92 Resp: 2149803

Ion Ratio Lower Upper

92 100

91 175.0 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049628.D (-2648) (-)

Ion 91.00 (90.70 to 91.70): VN049628.D (-2648) (-)

2000000

1500000

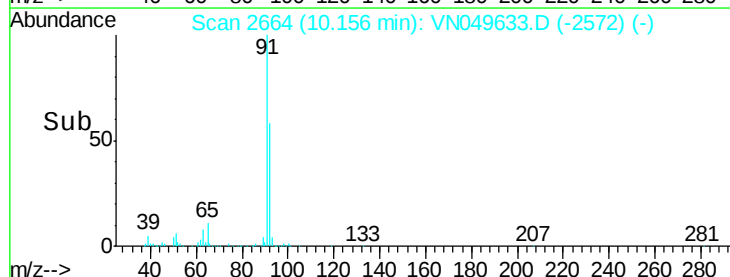
1000000

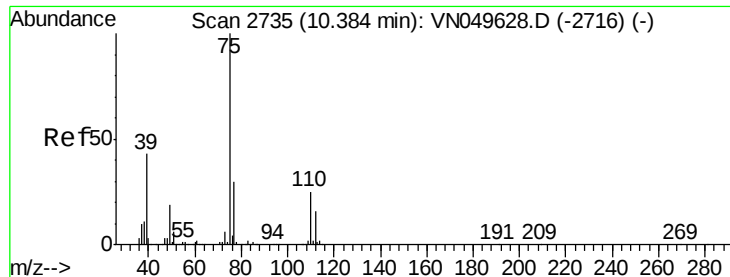
500000

0

10.10 10.16 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.08 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion: 75 Resp: 1166085

Ion Ratio Lower Upper

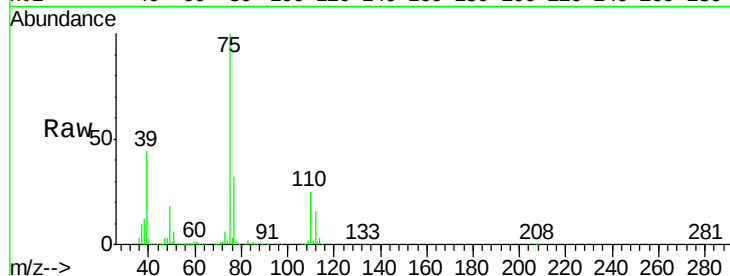
75 100

77 31.7 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

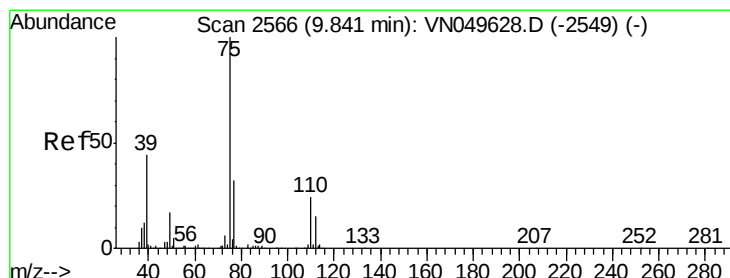
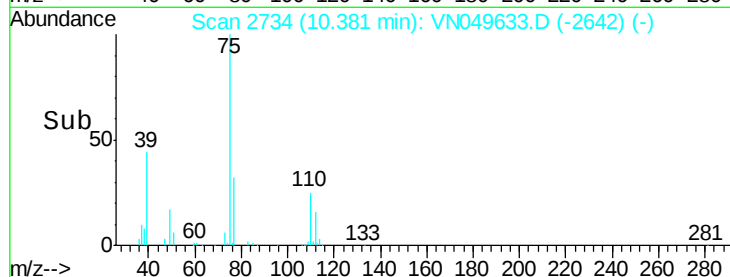
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.13 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

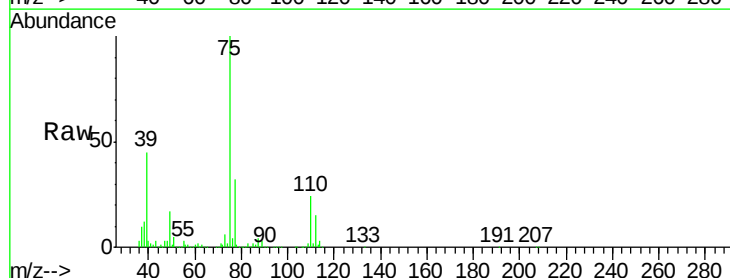
Tgt Ion: 75 Resp: 1336346

Ion Ratio Lower Upper

75 100

77 31.9 24.8 37.2

39 45.3 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

1000000

800000

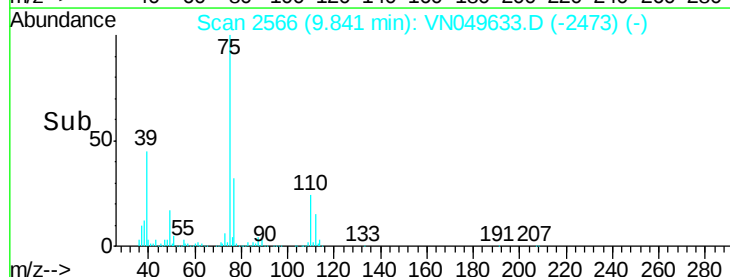
600000

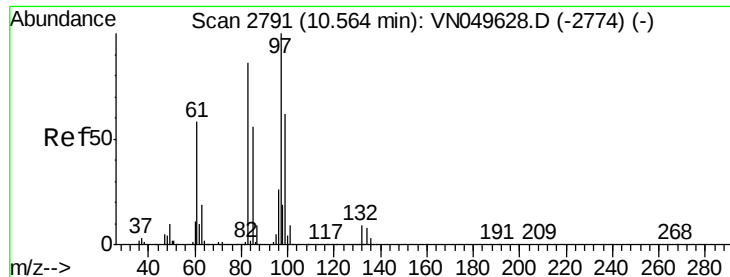
400000

200000

0

Time-->





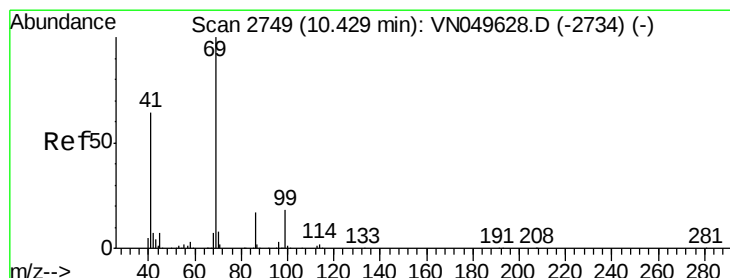
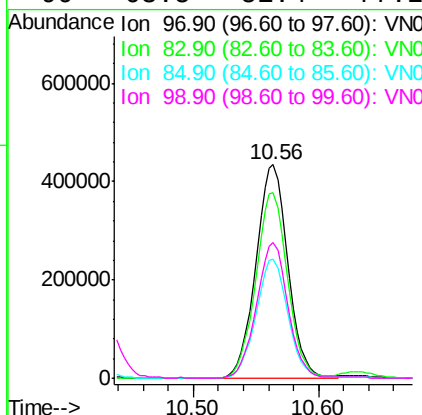
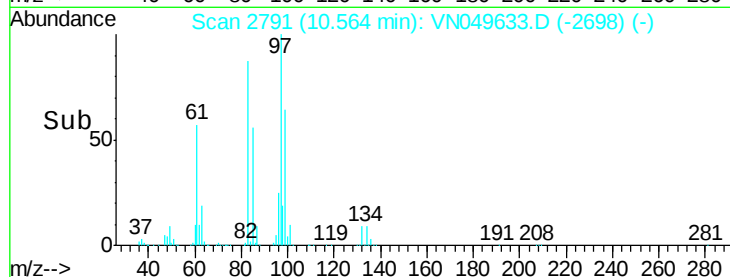
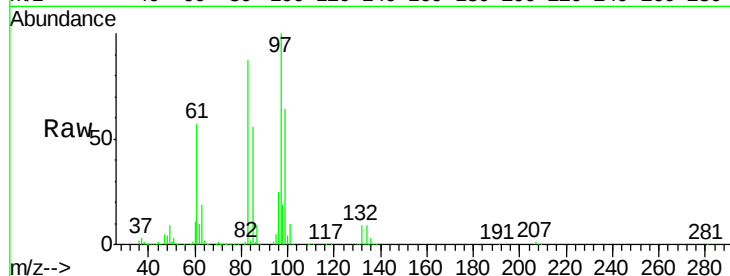
#55
 1,1,2-Trichloroethane
 Concen: 45.94 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062918

Tot Ion:	97	Resp:	770672
Ion	Ratio	Lower	Upper
97	100		
83	86.7	71.5	107.3
85	55.8	47.0	70.4
99	63.5	51.4	77.2

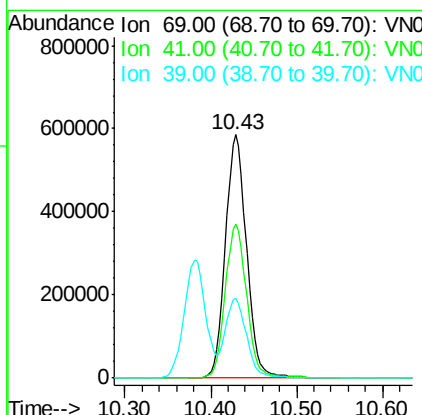
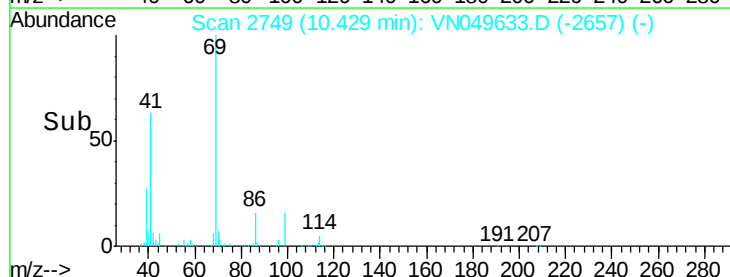
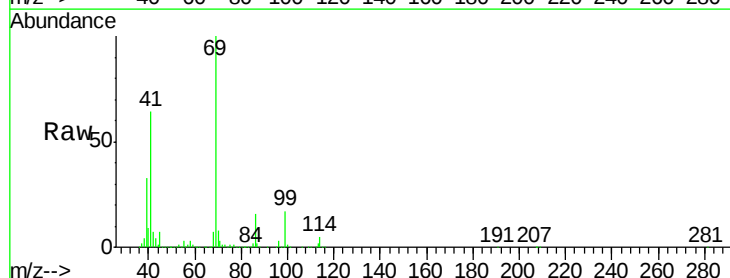
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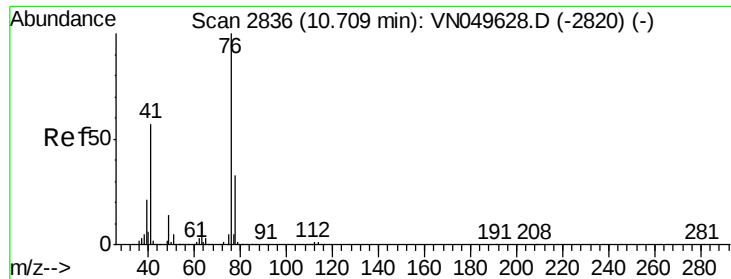
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#56
 Ethyl methacrylate
 Concen: 51.03 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Tgt Ion:	69	Resp:	1003322
Ion	Ratio	Lower	Upper
69	100		
41	63.9	58.4	87.6
39	32.8	35.5	53.3#





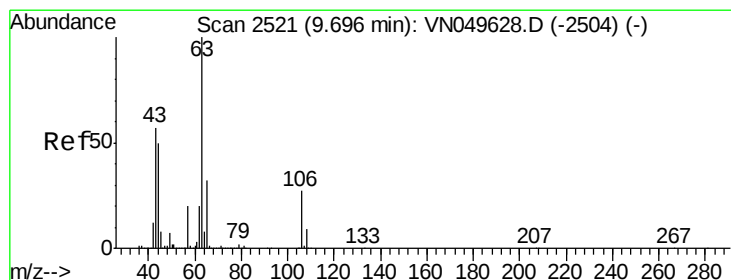
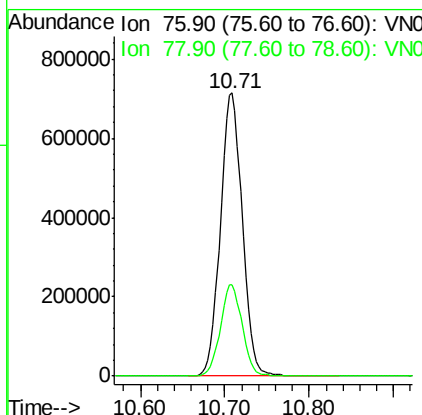
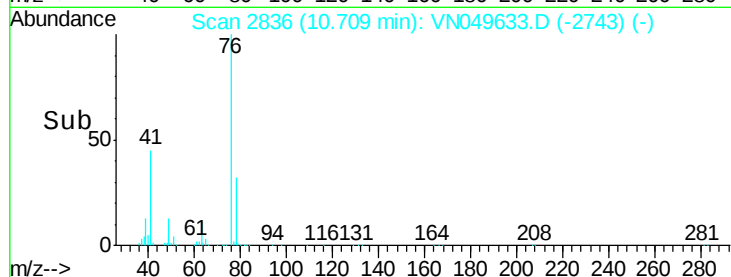
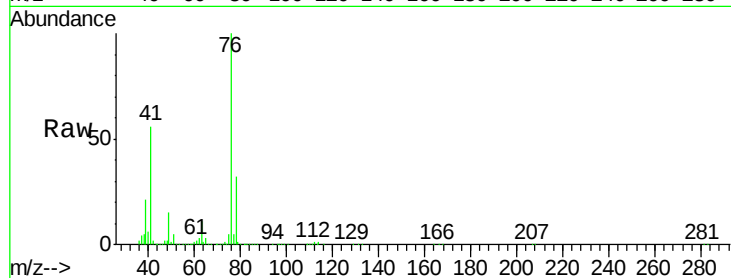
#57
 1,3-Dichloropropane
 Concen: 47.38 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062918

Tot Ion: 76 Resp: 1288818
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.3 39.5

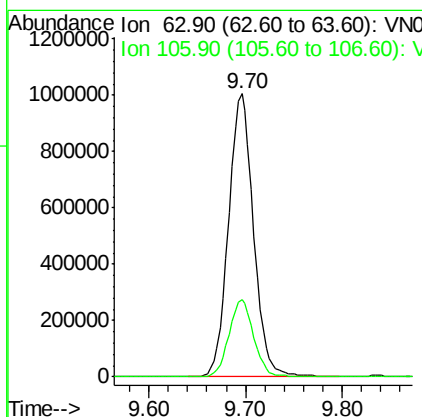
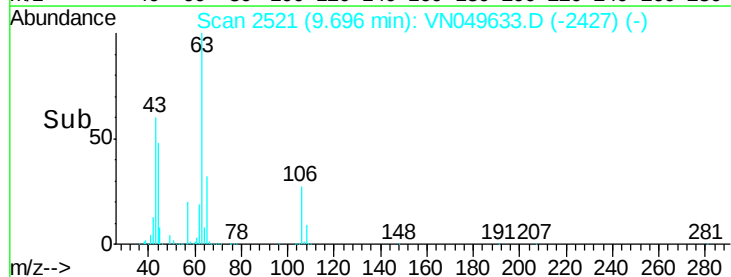
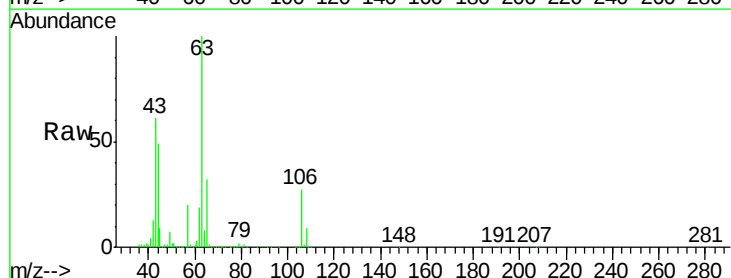
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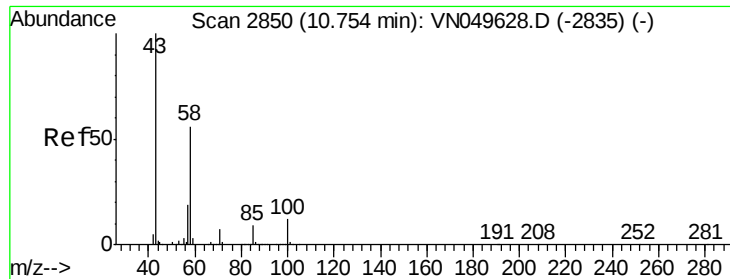
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 176.66 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Tgt Ion: 63 Resp: 1805579
 Ion Ratio Lower Upper
 63 100
 106 27.0 19.4 29.2





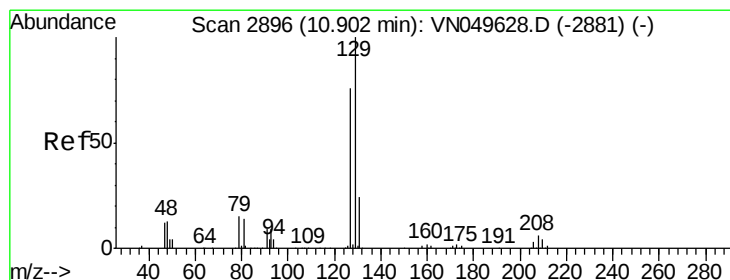
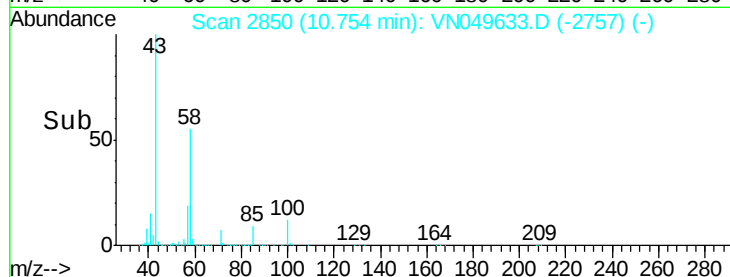
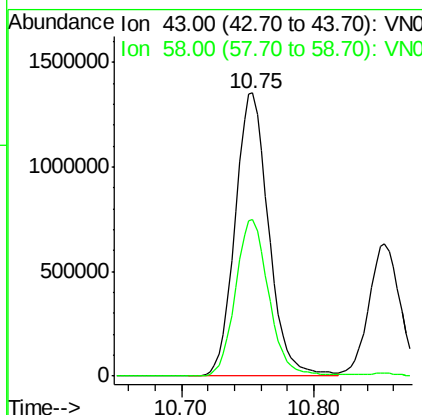
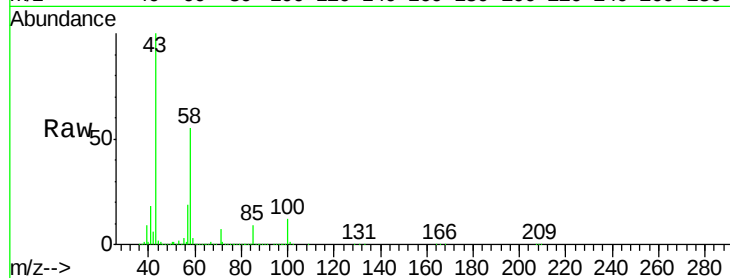
#59
2-Hexanone
Concen: 256.73 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampled :
ICVVN062918

Tot Ion: 43 Resp: 2370930
Ion Ratio Lower Upper
43 100
58 55.4 25.2 75.6

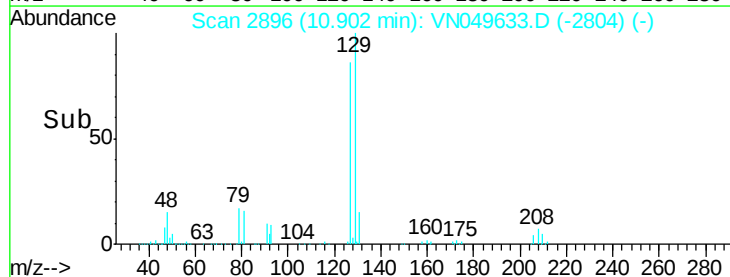
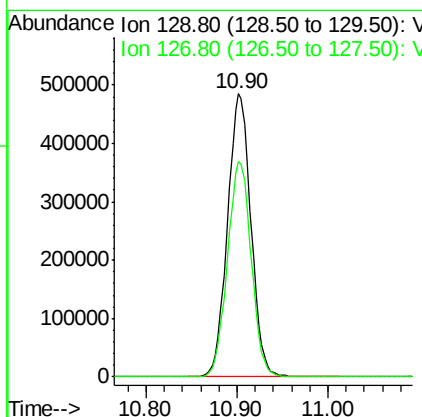
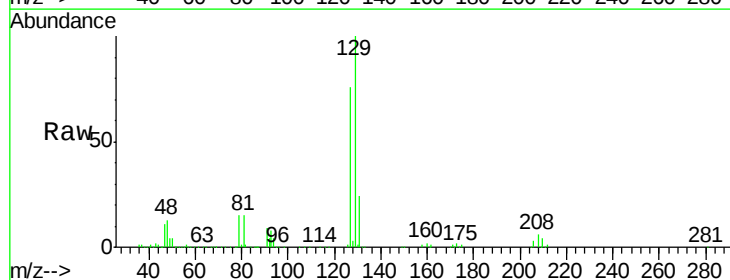
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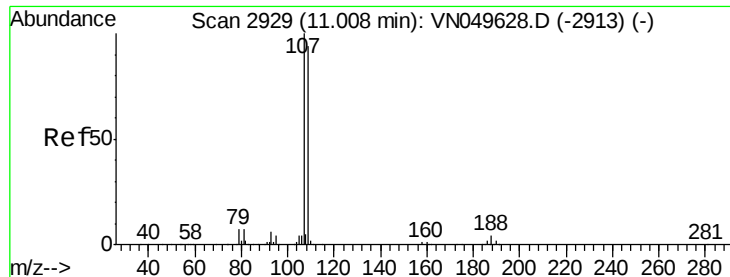
apatel
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#60
Dibromochloromethane
Concen: 47.74 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion: 129 Resp: 865531
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.2





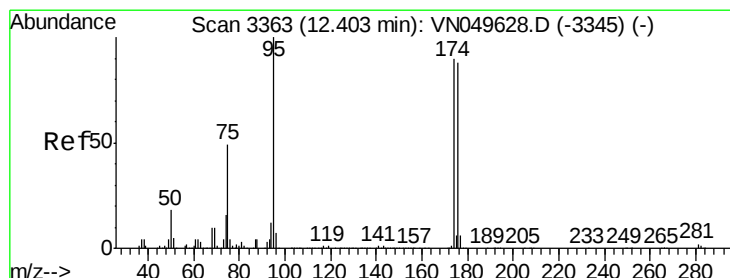
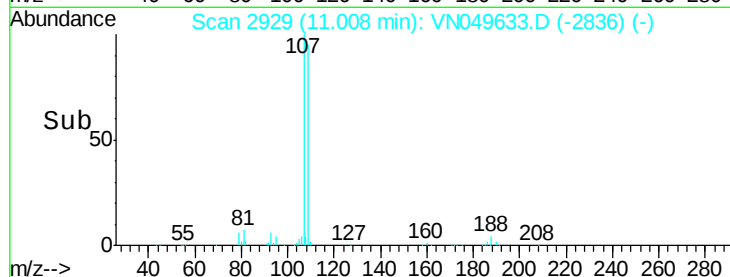
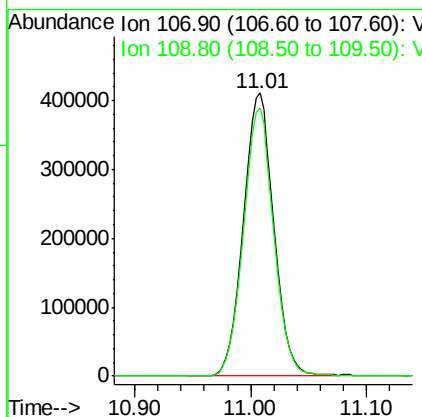
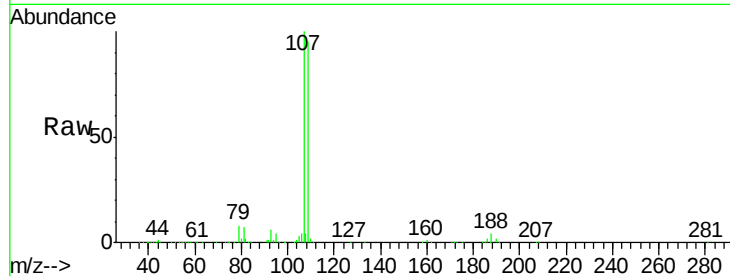
#61
 1,2-Dibromoethane
 Concen: 46.55 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062918

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.4	113.2

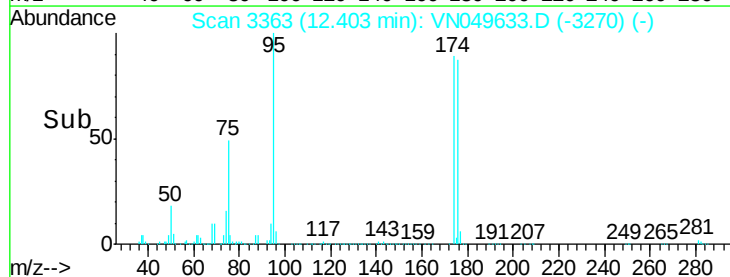
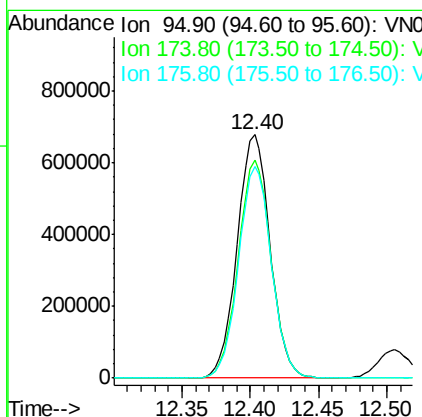
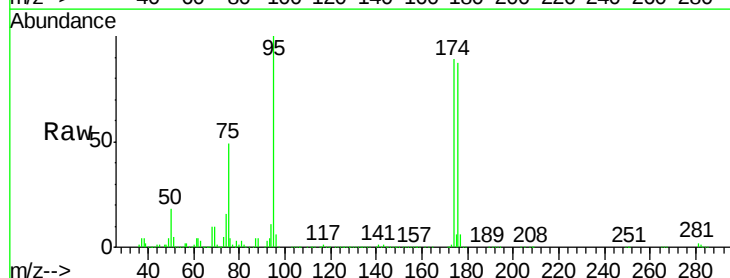
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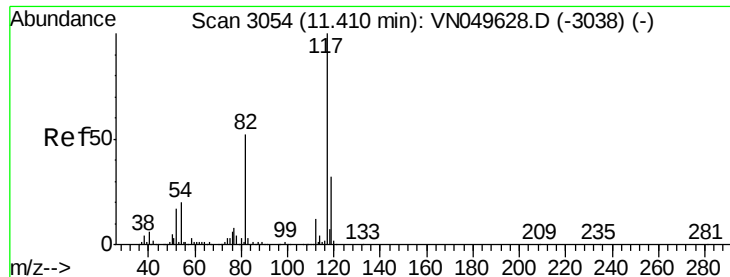
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#62
 4-Bromofluorobenzene
 Concen: 52.51 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	165.6
176	86.6	0.0	157.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3053

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

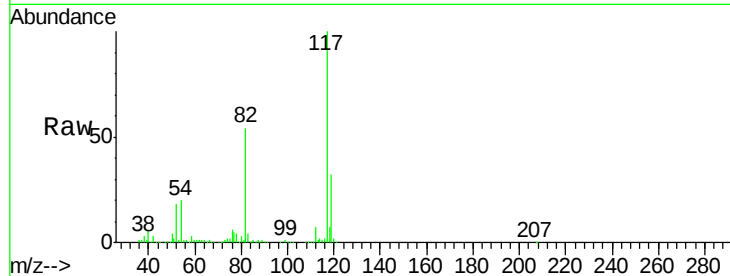
ClientSampled :

ICVVN062918

Tot Ion:	117	Resp:	1975920
Ion	Ratio	Lower	Upper
117	100		
82	54.3	45.9	68.9
119	32.4	25.5	38.3

Manual Integrations
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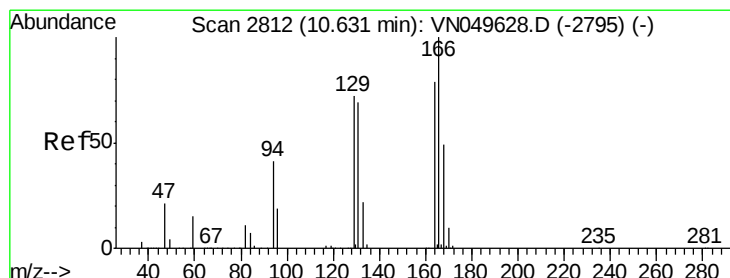
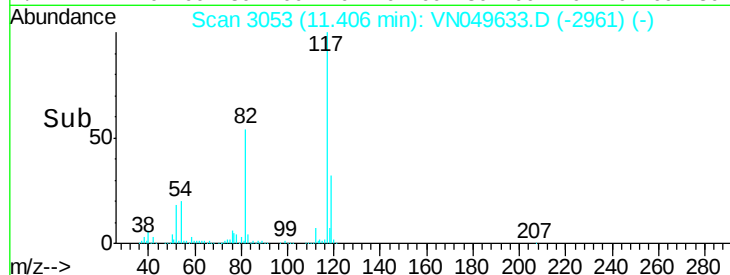
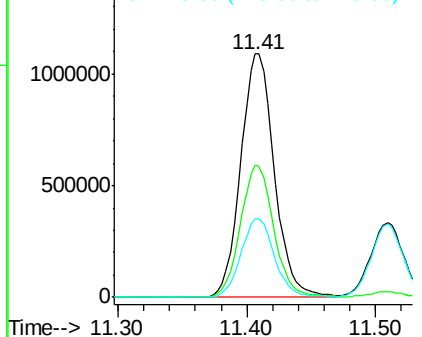


Abundance

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: 42.50 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Tgt Ion:	164	Resp:	1137068
Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.4	152.2
129	91.2	74.1	111.1
131	87.0	73.7	110.5

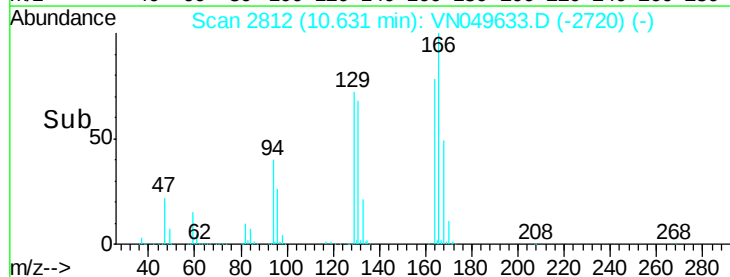
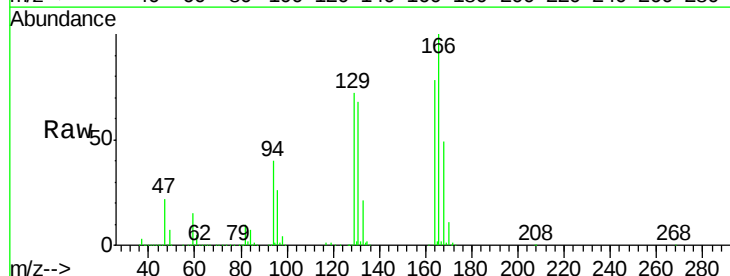
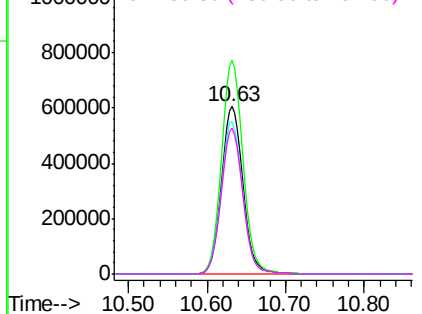
Abundance

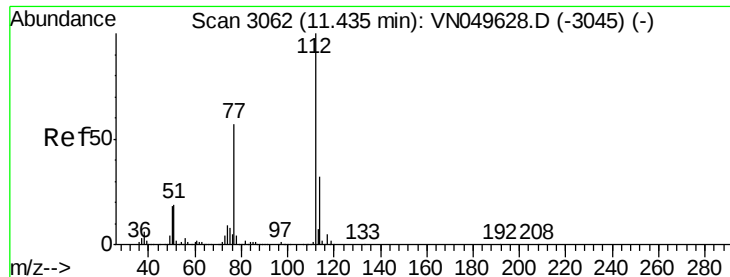
Ion 163.80 (163.50 to 164.50): V

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: 45.53 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion:112 Resp: 2346641

Ion Ratio Lower Upper

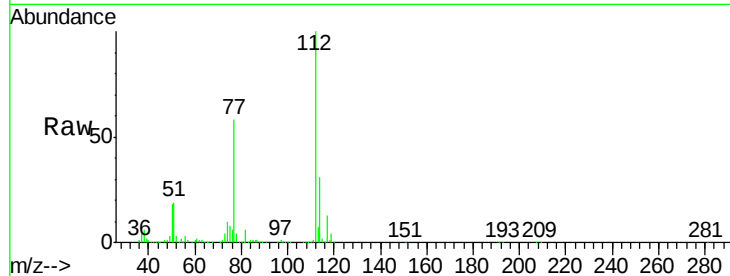
112 100

114 31.1 26.2 39.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

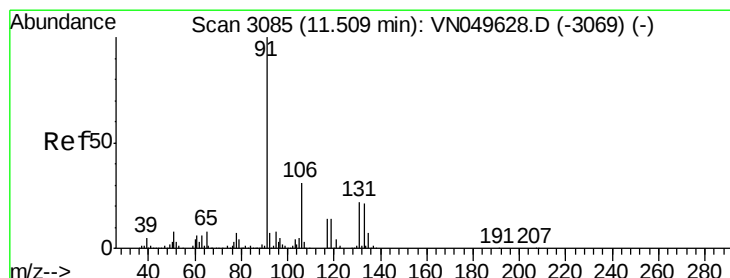
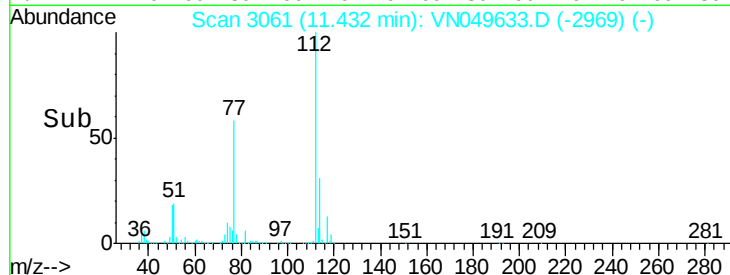
1500000

1000000

500000

0

Time--> 11.30 11.40 11.50 11.60



#66

1,1,1,2-Tetrachloroethane

Concen: 46.39 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

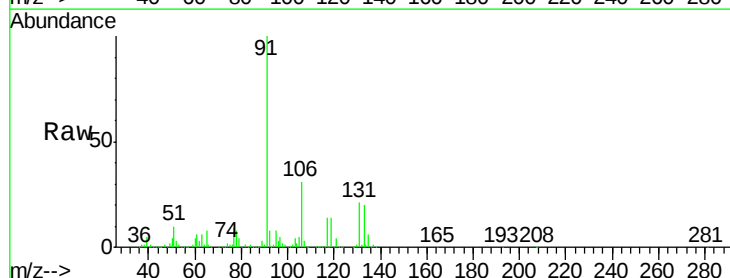
Tgt Ion:131 Resp: 859265

Ion Ratio Lower Upper

131 100

133 94.6 48.0 144.2

119 66.1 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

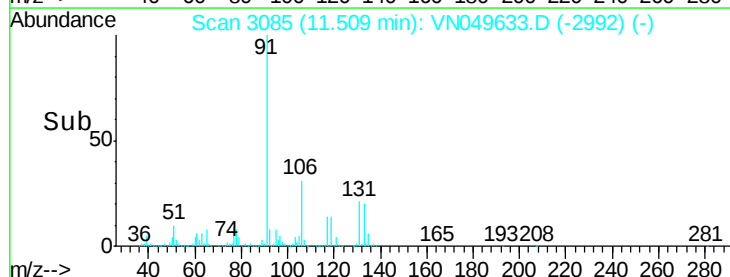
600000

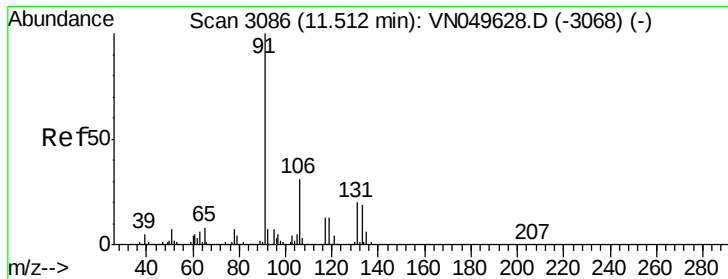
400000

200000

0

Time--> 11.40 11.50 11.60





#67

Ethyl Benzene

Concen: 47.75 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion: 91 Resp: 4068643

Ion Ratio Lower Upper

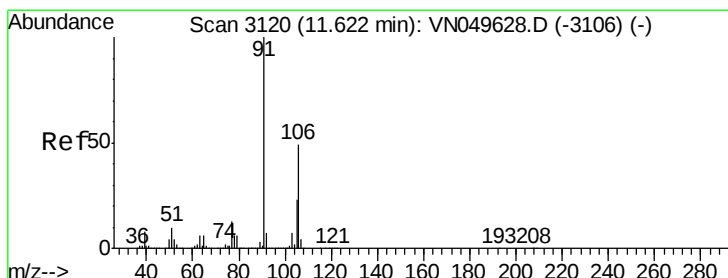
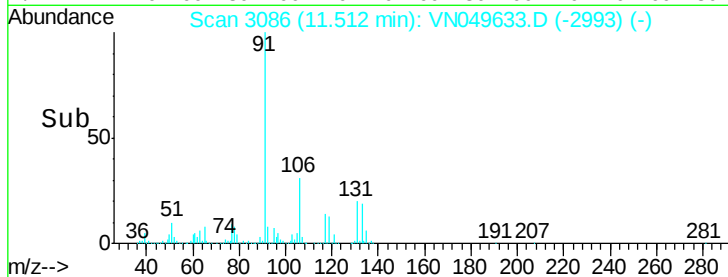
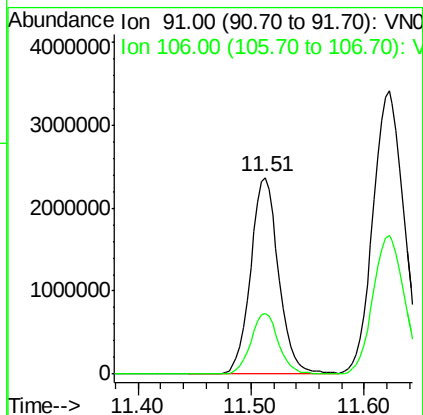
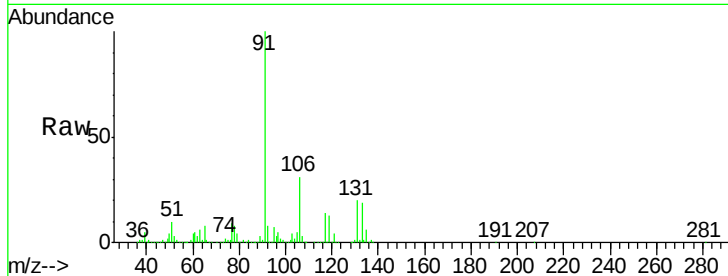
91 100

106 31.0 23.9 35.9

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#68

m/p-Xylenes

Concen: 98.20 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049633.D

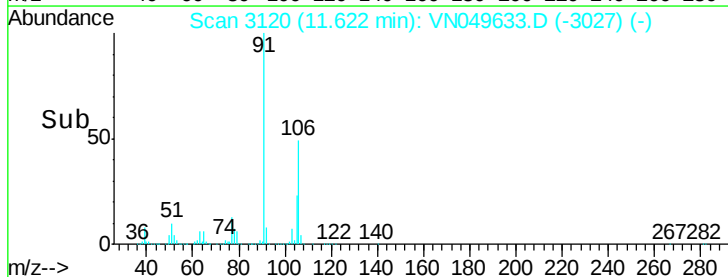
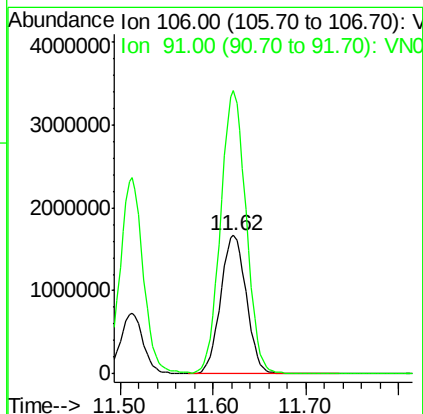
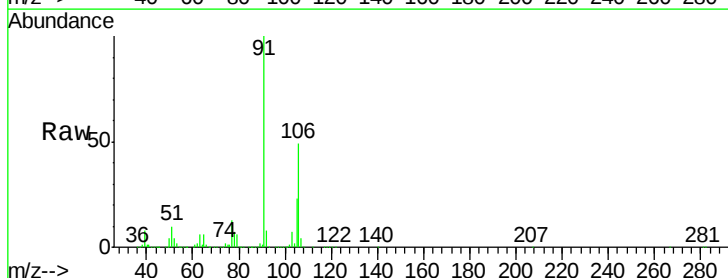
Acq: 29 Jun 2018 15:35

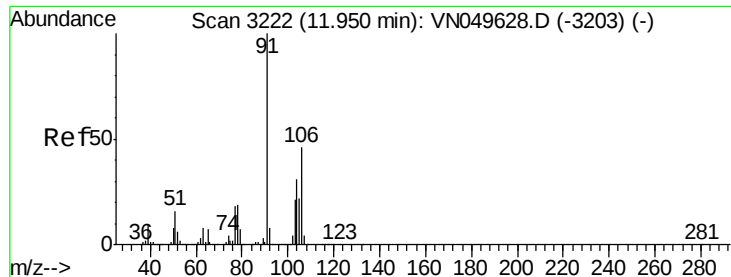
Tgt Ion: 106 Resp: 3206654

Ion Ratio Lower Upper

106 100

91 202.4 167.3 250.9





#69

o-Xylene

Concen: 48.54 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion:106 Resp: 1517558

Ion Ratio Lower Upper

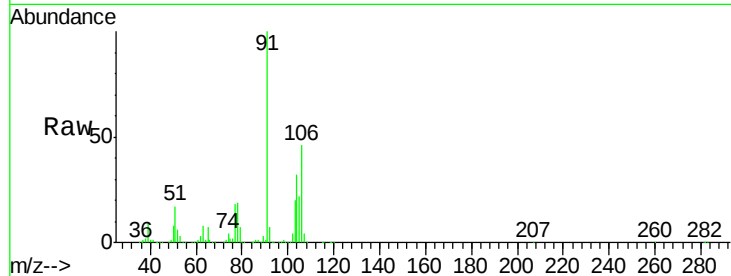
106 100

91 216.2 111.0 333.0

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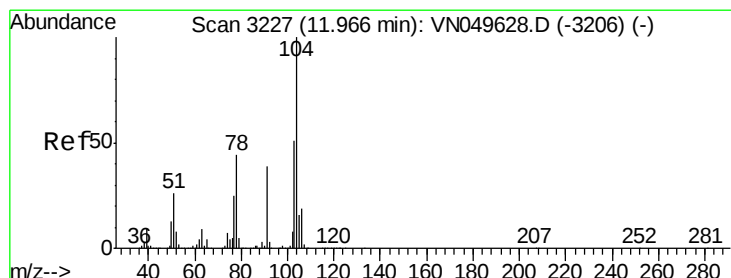
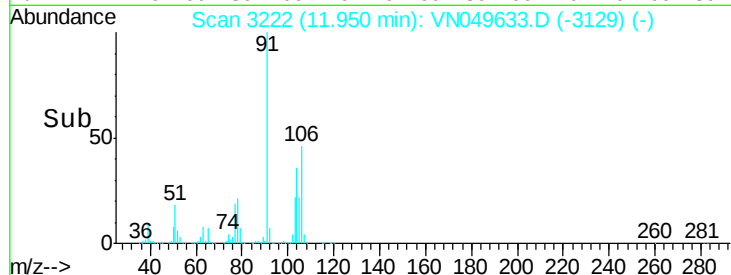
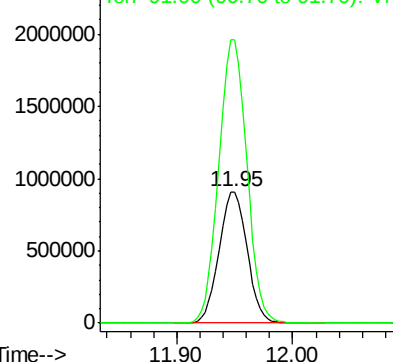
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 49.87 ug/l

RT: 11.96 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

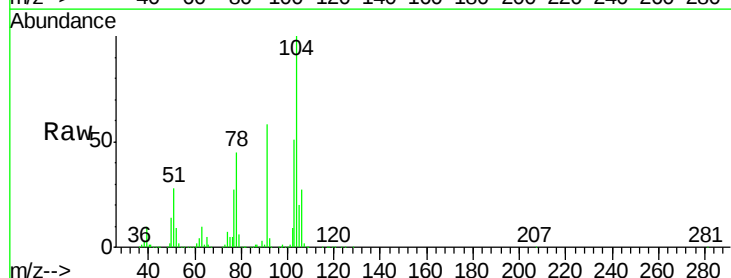
Tgt Ion:104 Resp: 2522778

Ion Ratio Lower Upper

104 100

78 48.9 41.6 62.4

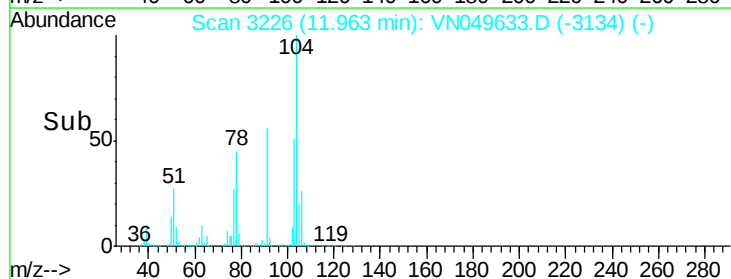
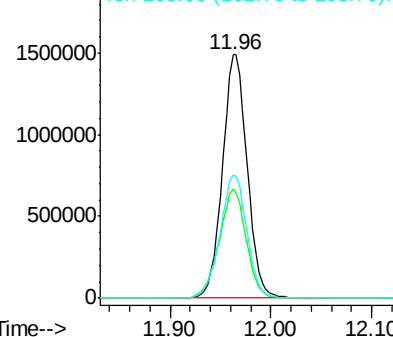
103 55.2 45.4 68.2

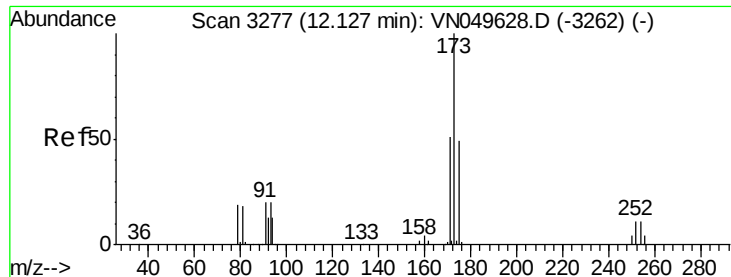


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.29 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion:173 Resp: 594328

Ion Ratio Lower Upper

173 100

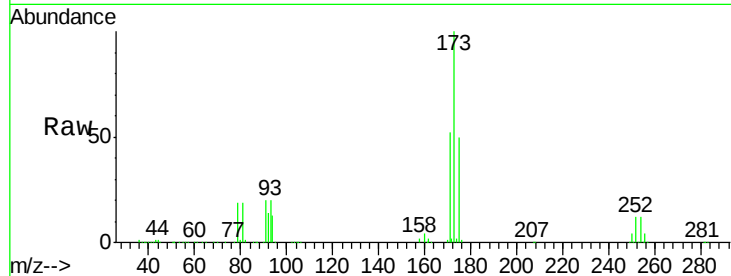
175 48.9 24.5 73.5

254 0.2 0.1 0.1#

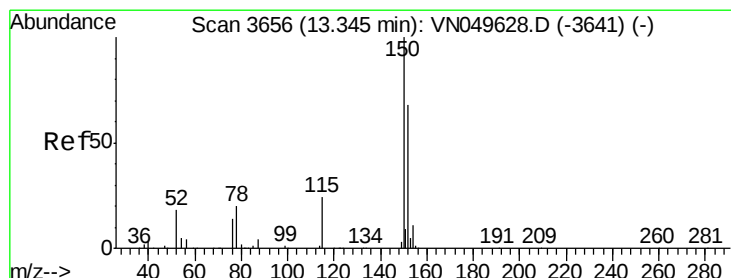
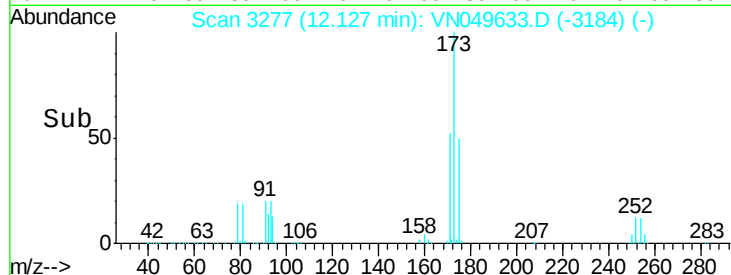
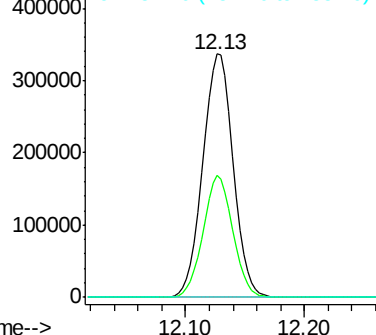
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

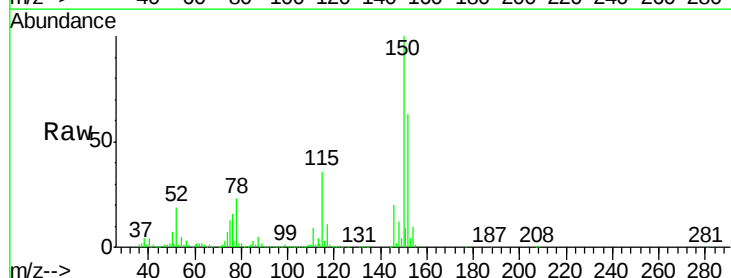
Tgt Ion:152 Resp: 1108585

Ion Ratio Lower Upper

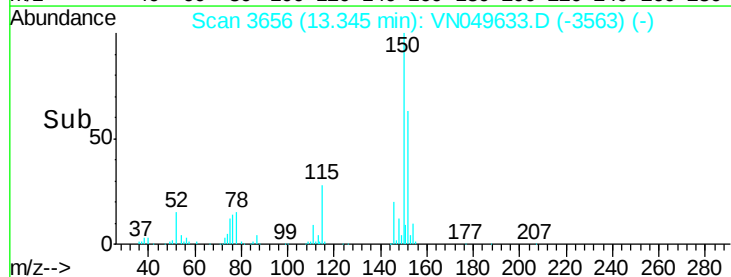
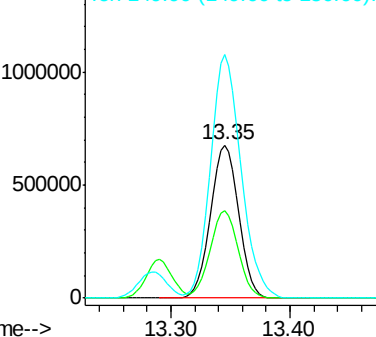
152 100

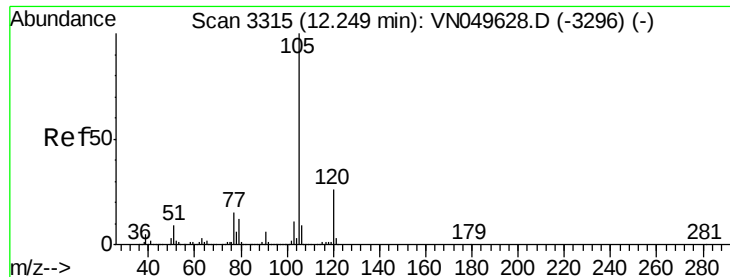
115 56.8 28.7 86.1

150 172.7 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: 45.86 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion:105 Resp: 4049881

Ion Ratio Lower Upper

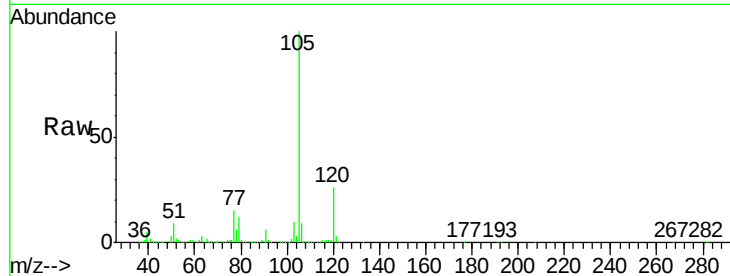
105 100

120 26.4 12.8 38.3

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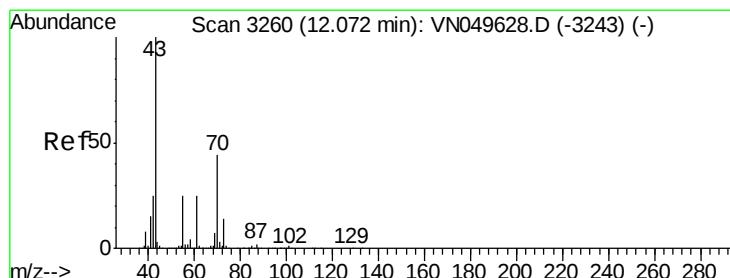
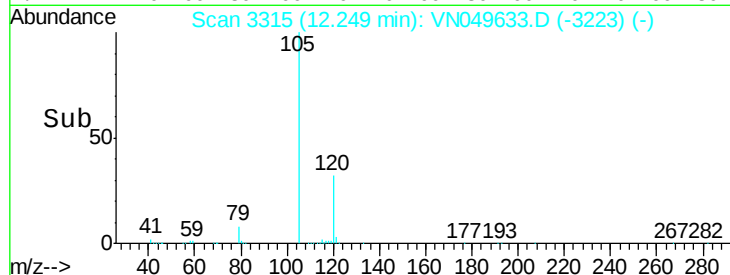
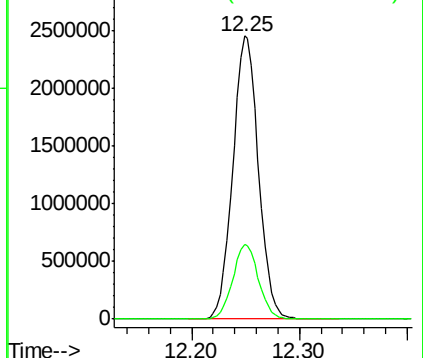
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.65 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Tgt Ion: 43 Resp: 1125326

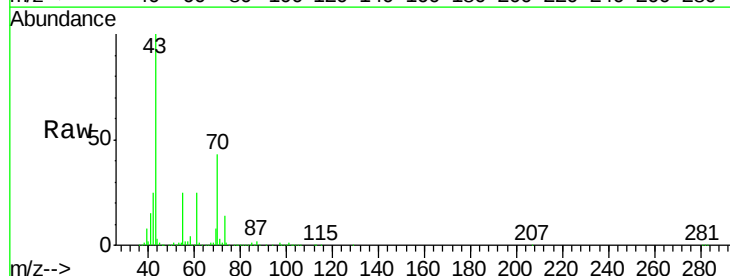
Ion Ratio Lower Upper

43 100

70 43.6 30.3 45.5

55 25.6 19.4 29.2

61 25.1 17.8 26.6

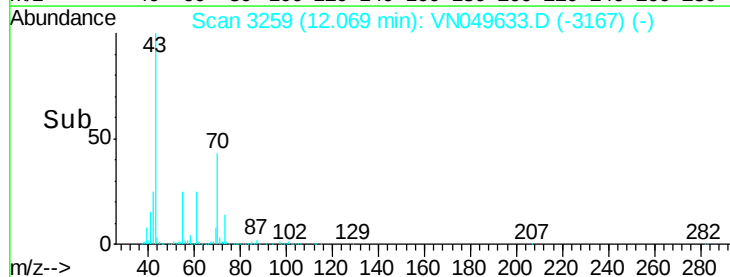
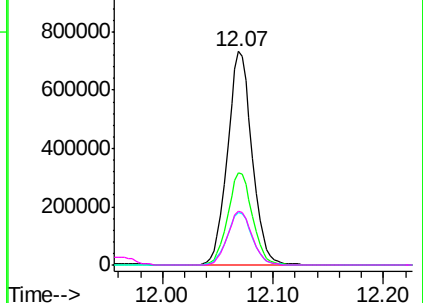


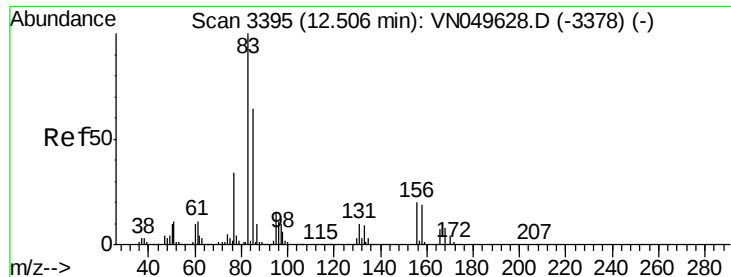
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.37 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

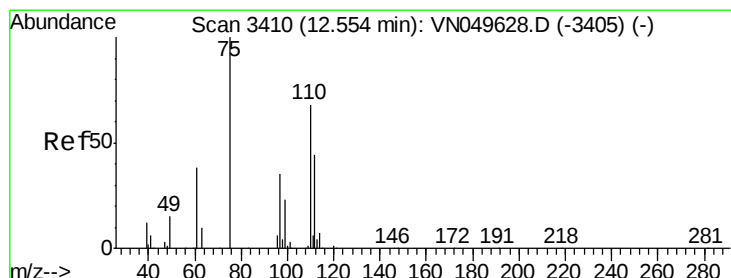
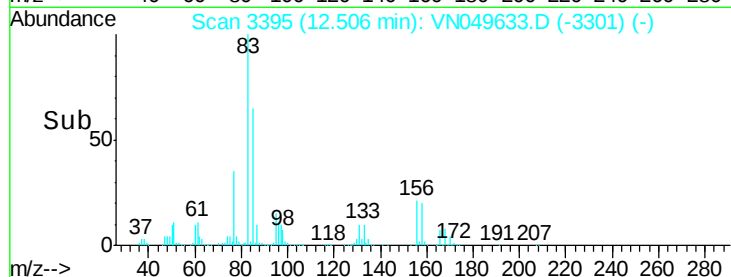
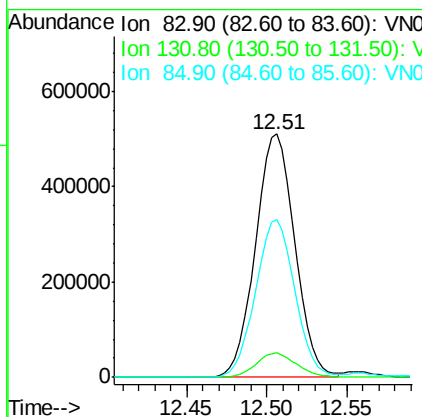
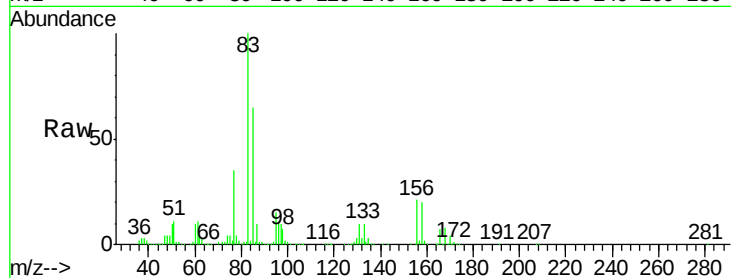
ClientSampled :

ICVVN062918

Tot Ion:	83	Resp:	870064
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 46.53 ug/l m

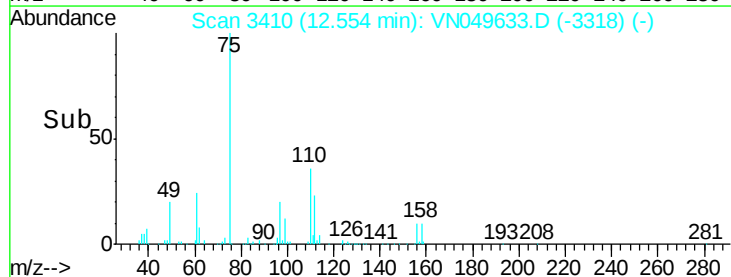
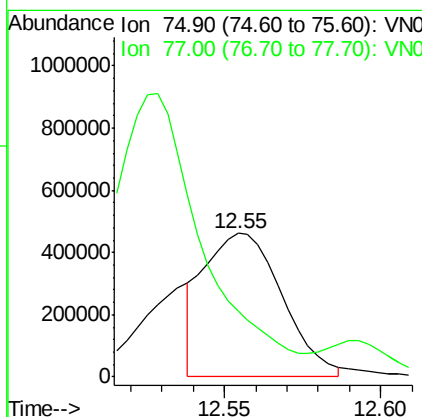
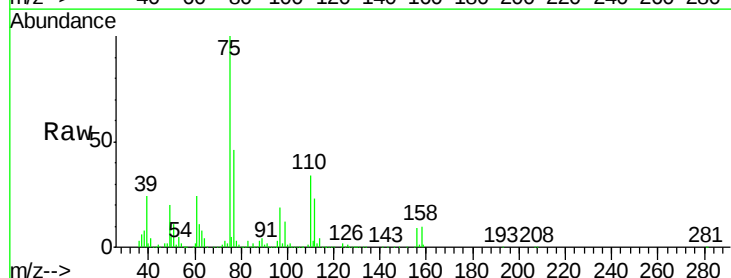
RT: 12.55 min Scan# 3410

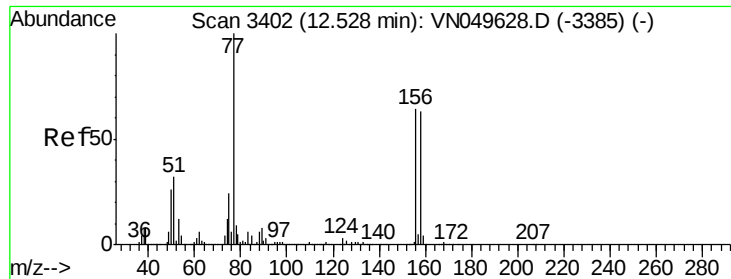
Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Tgt Ion:	75	Resp:	801373
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 42.87 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062918

Tot Ion:156 Resp: 1029288

Ion Ratio Lower Upper

156 100

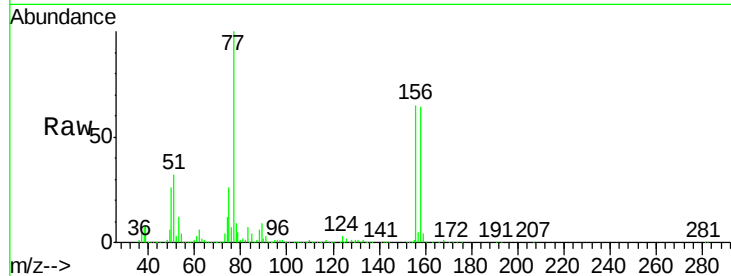
77 180.4 100.8 302.4

158 97.5 49.3 147.9

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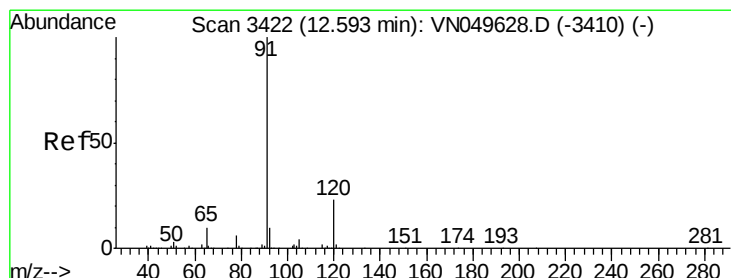
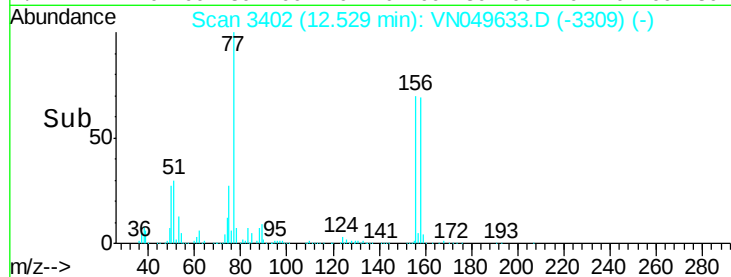
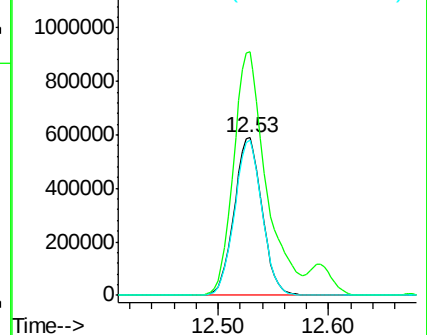
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.24 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049633.D

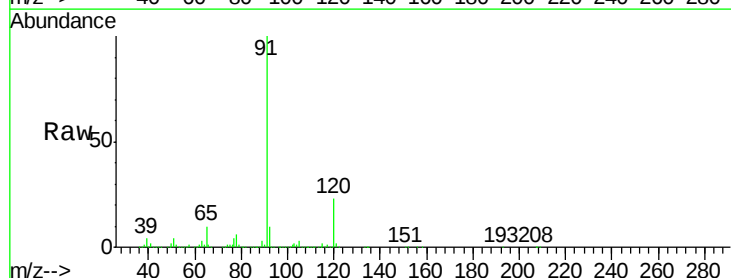
Acq: 29 Jun 2018 15:35

Tgt Ion: 91 Resp: 4780941

Ion Ratio Lower Upper

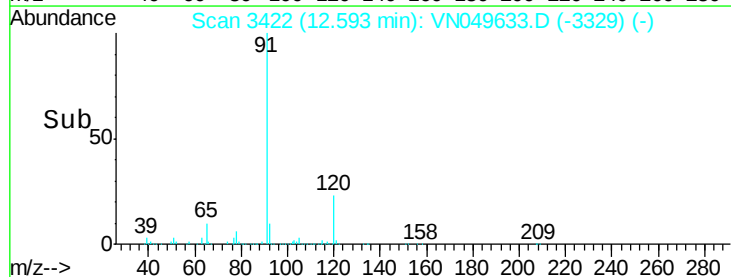
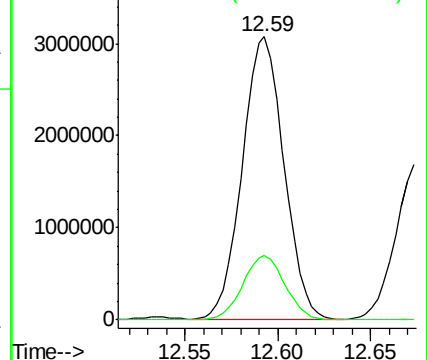
91 100

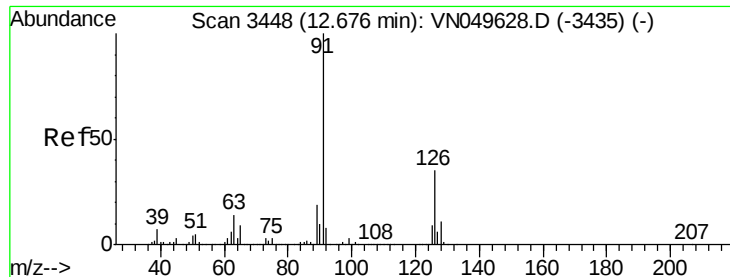
120 23.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 44.10 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

ICVVN062918

Tot Ion: 91 Resp: 2824673

Ion Ratio Lower Upper

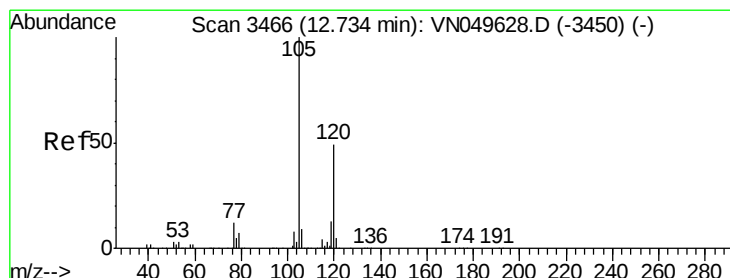
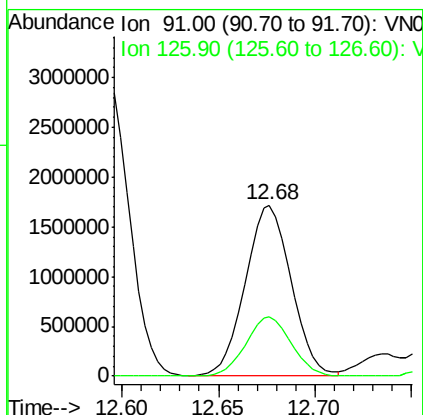
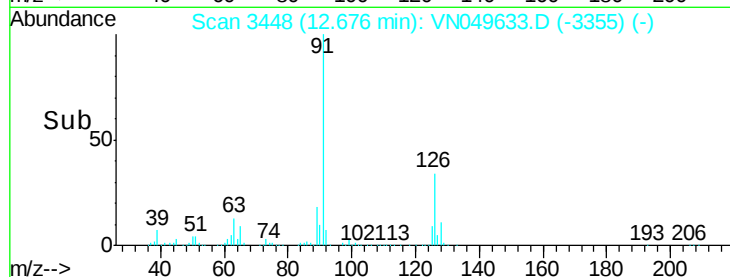
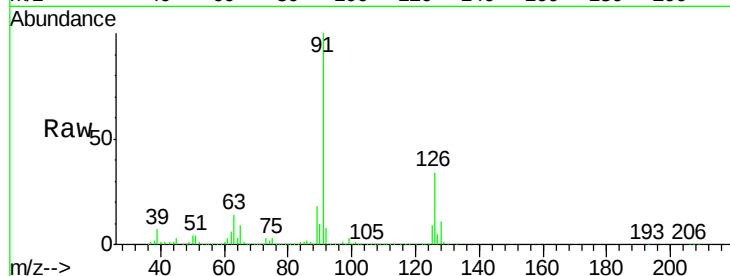
91 100

126 34.5 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 47.18 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049633.D

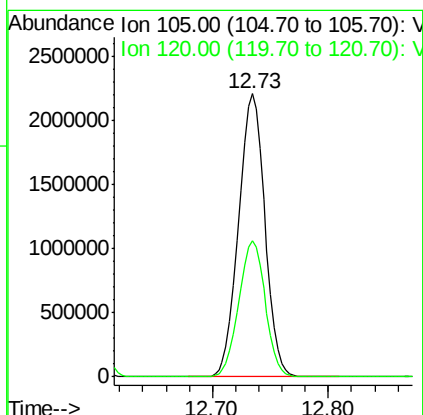
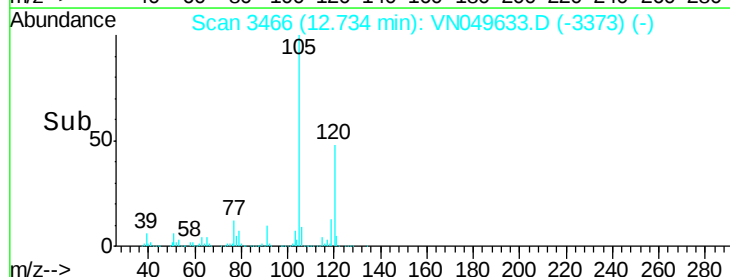
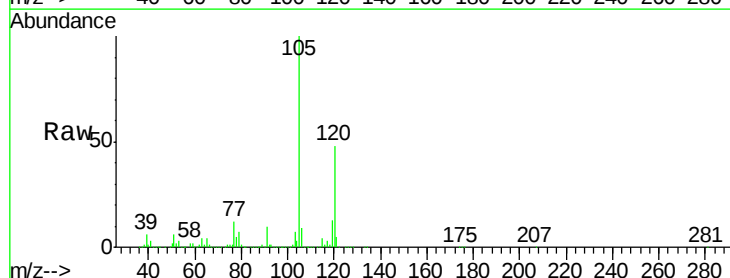
Acq: 29 Jun 2018 15:35

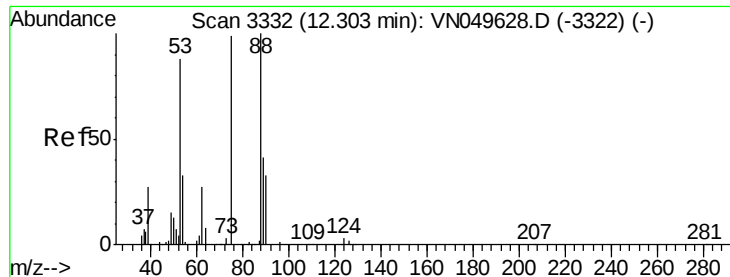
Tgt Ion: 105 Resp: 3461659

Ion Ratio Lower Upper

105 100

120 48.4 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 47.68 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062918

Tot Ion: 75 Resp: 249583

Ion Ratio Lower Upper

75 100

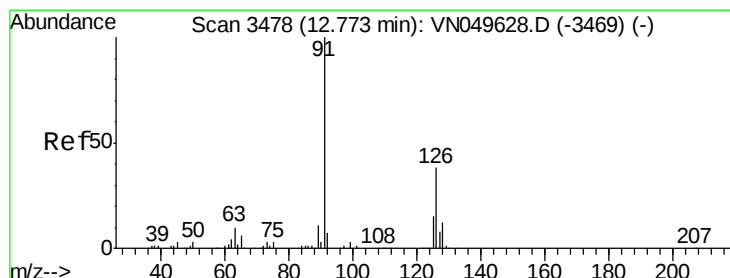
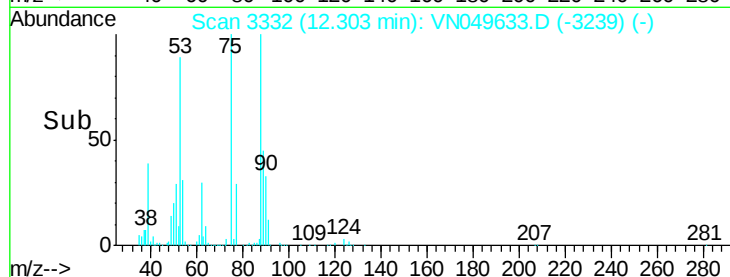
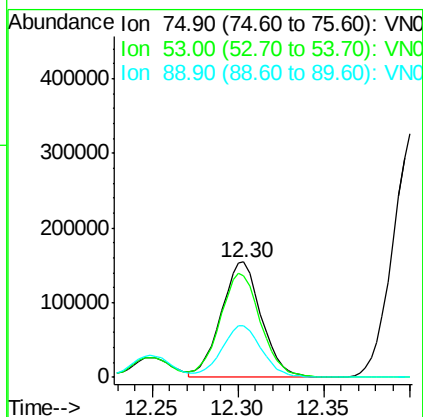
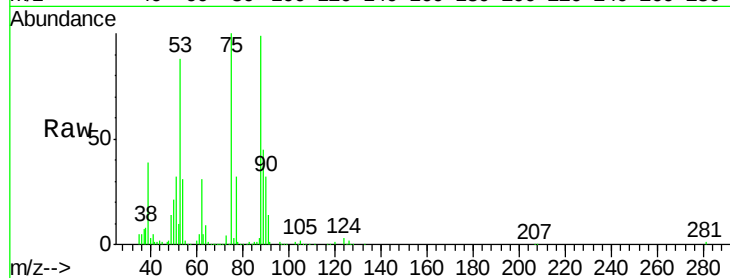
53 92.4 82.7 124.1

89 45.9 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 44.97 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN049633.D

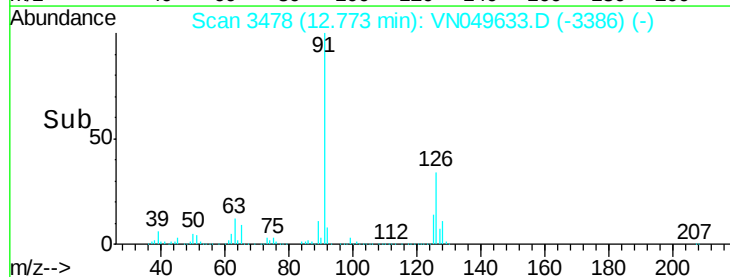
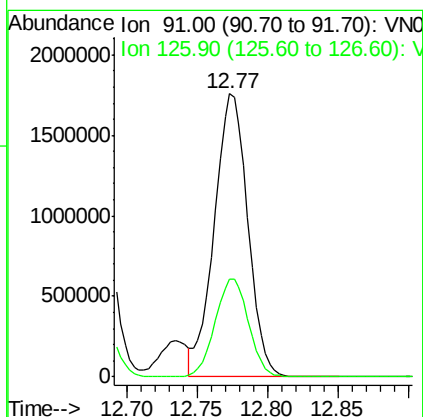
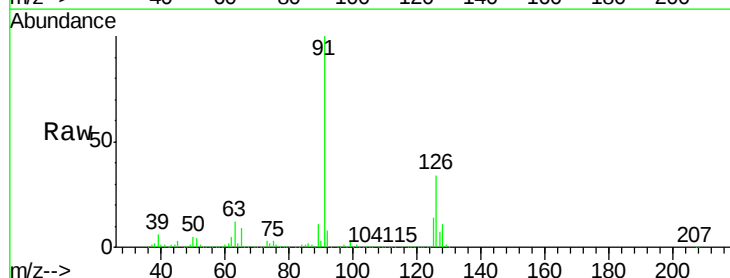
Acq: 29 Jun 2018 15:35

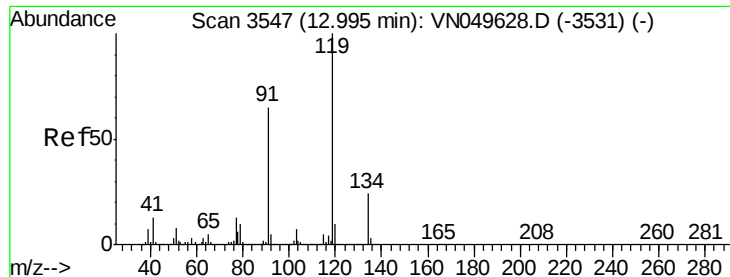
Tgt Ion: 91 Resp: 2896269

Ion Ratio Lower Upper

91 100

126 34.4 16.4 49.1





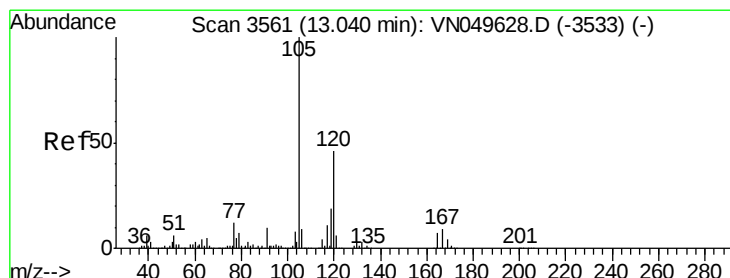
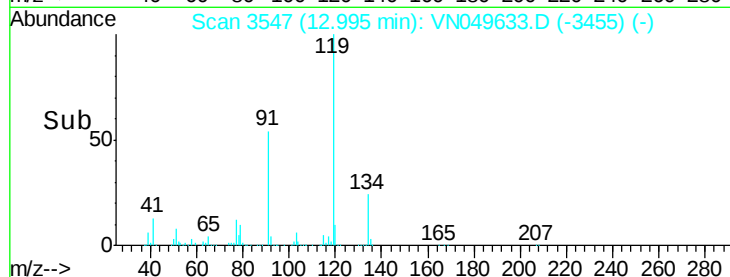
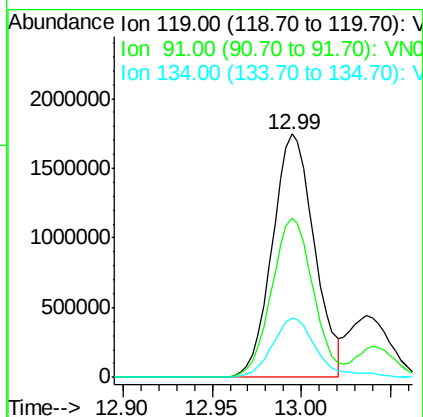
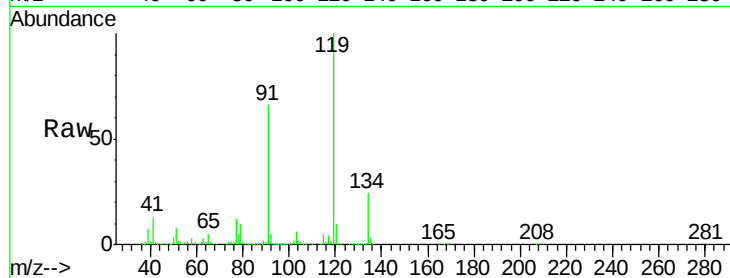
#83
 tert-Butylbenzene
 Concen: 45.60 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN062918

Tot Ion:119 Resp: 2874216
 Ion Ratio Lower Upper
 119 100
 91 65.0 33.7 101.0
 134 25.6 12.9 38.6

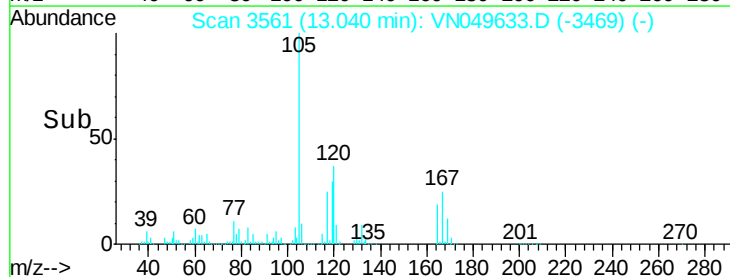
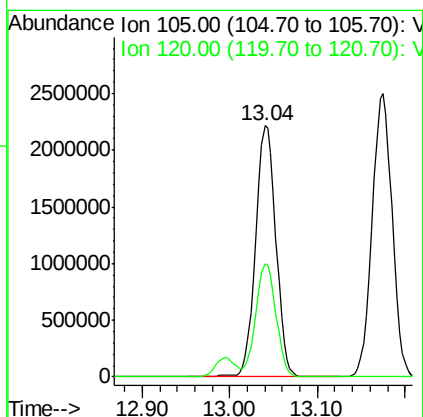
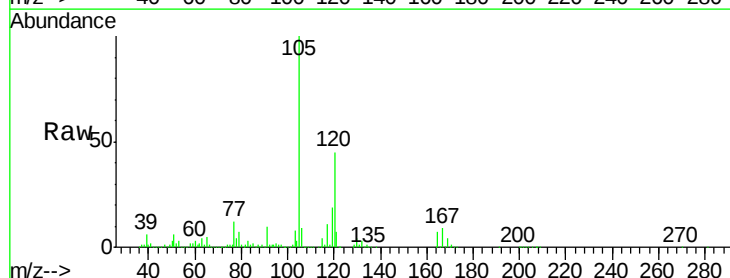
Manual Integrations
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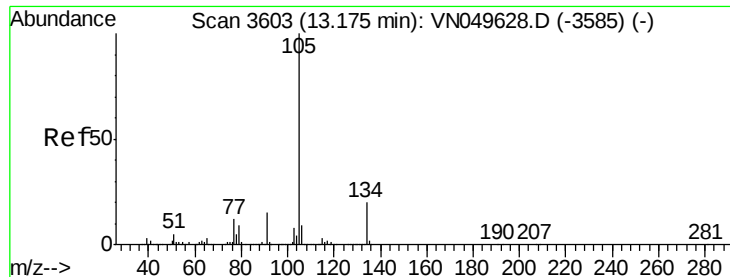
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.30 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN049633.D
 Acq: 29 Jun 2018 15:35

Tgt Ion:105 Resp: 3566101
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 47.24 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampleId :

ICVVN062918

Tot Ion:105 Resp: 3945144

Ion Ratio Lower Upper

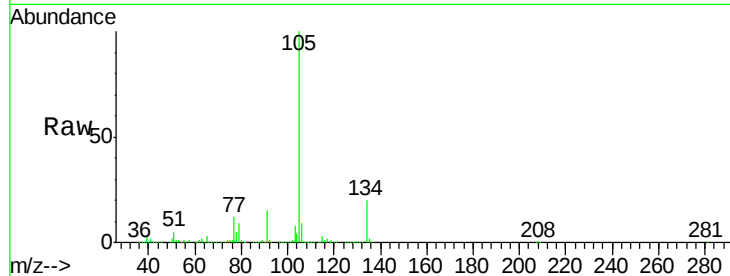
105 100

134 20.0 9.8 29.3

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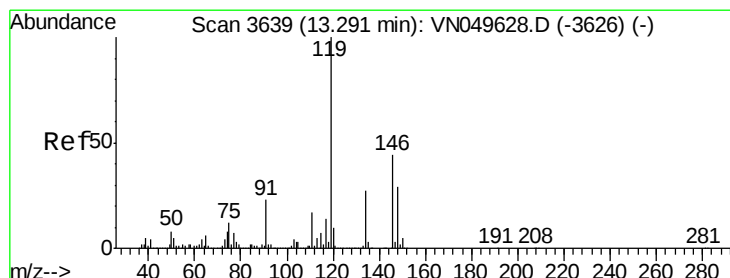
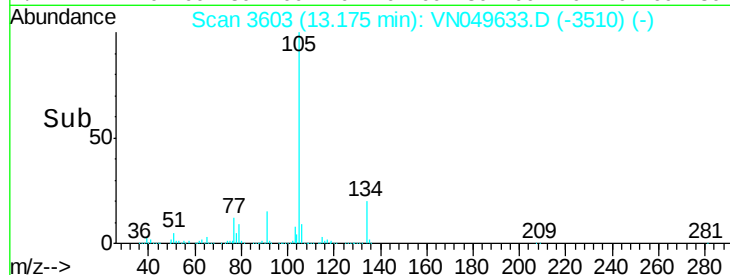
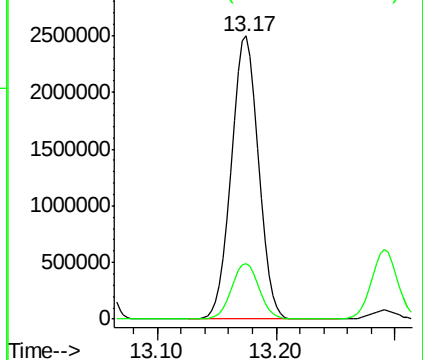
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.68 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

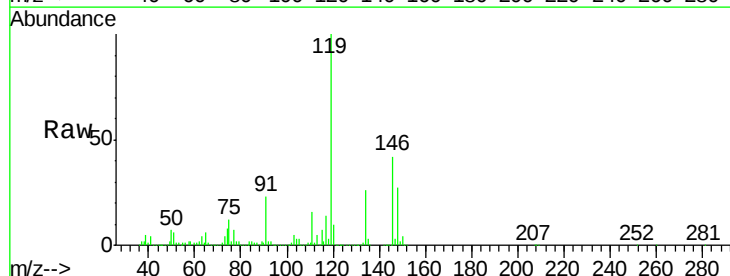
Tgt Ion:119 Resp: 3521381

Ion Ratio Lower Upper

119 100

134 26.4 12.9 38.6

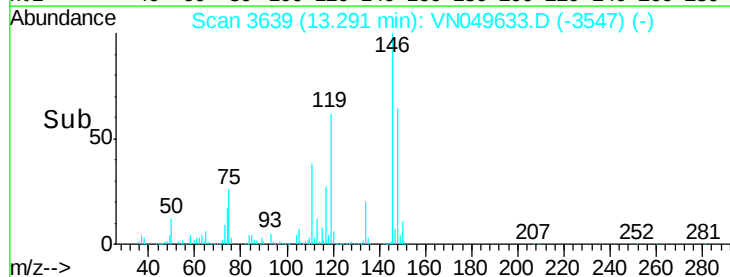
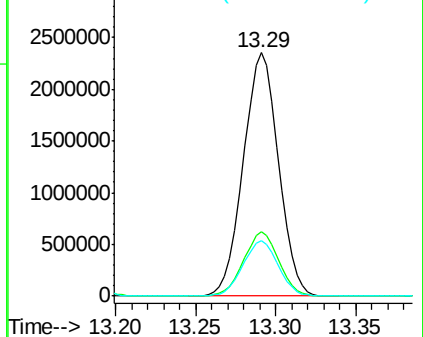
91 22.7 12.1 36.3

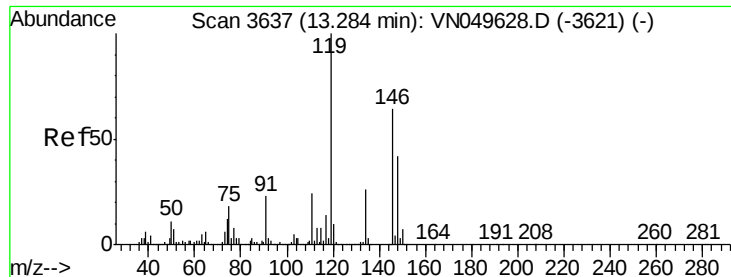


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.39 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

ClientSampled :

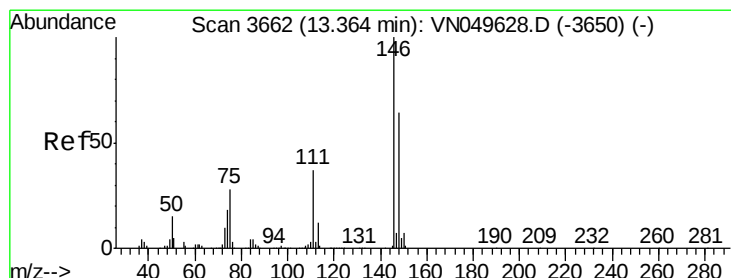
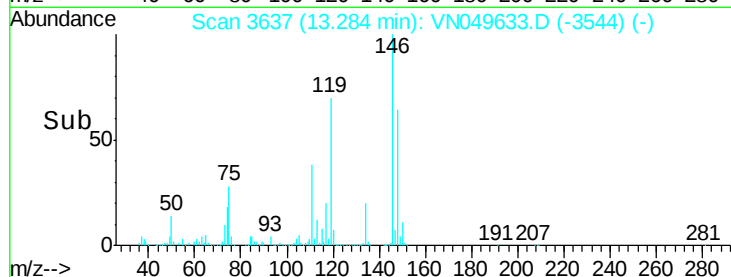
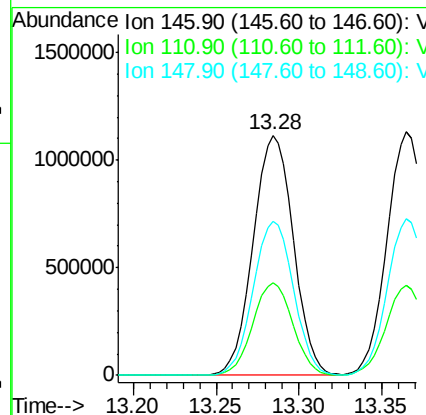
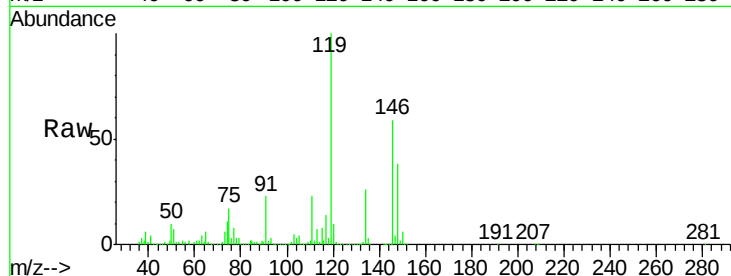
ICVVN062918

Tot Ion:146 Resp: 1888140

Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.9	59.6
148	64.4	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.45 ug/l

RT: 13.36 min Scan# 3662

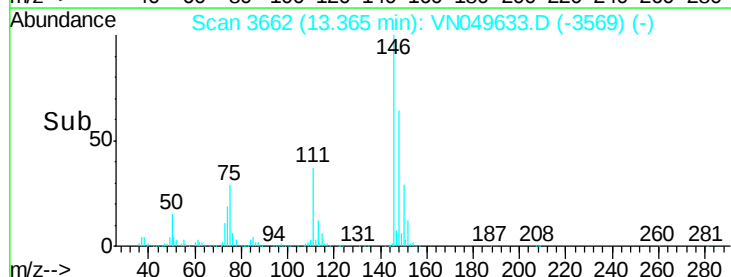
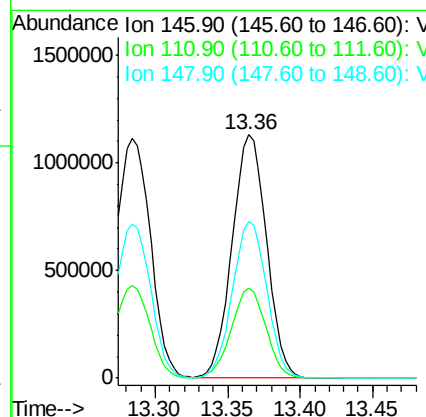
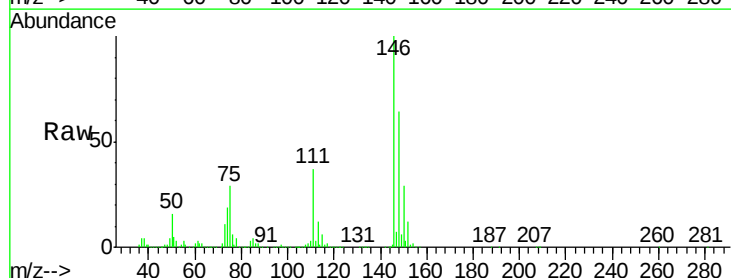
Delta R.T. -0.00 min

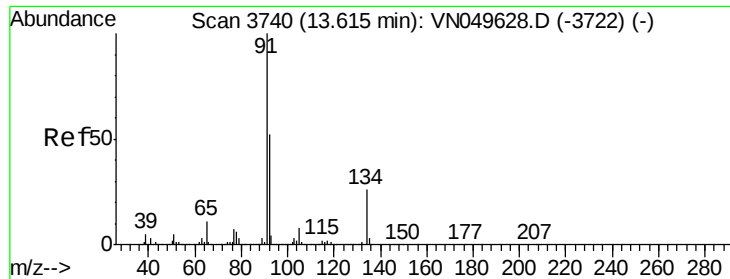
Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Tgt Ion:146 Resp: 1856302

Ion	Ratio	Lower	Upper
146	100		
111	37.1	19.1	57.1
148	64.4	32.0	96.2





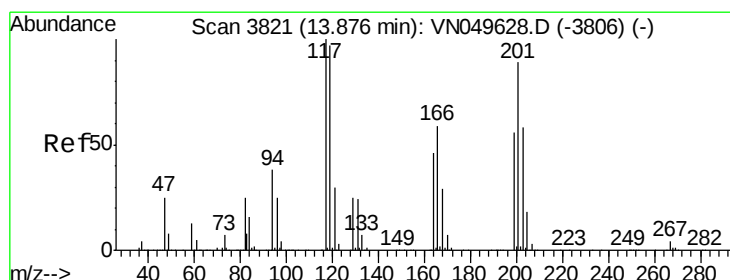
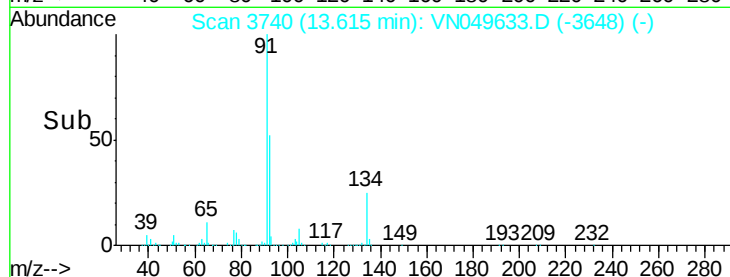
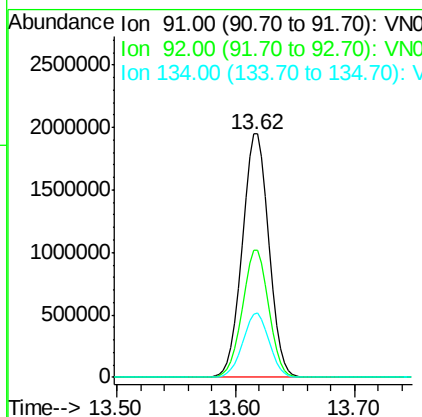
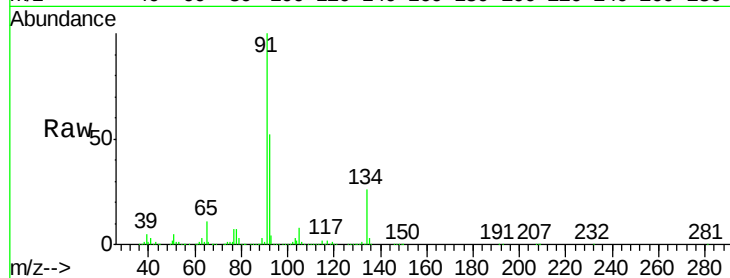
#89
n-Butylbenzene
Concen: 48.53 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampled :
ICVVN062918

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.8	25.1	75.4	
134	26.2	12.0	36.0	

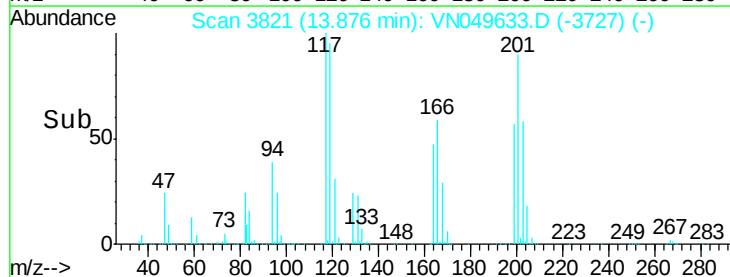
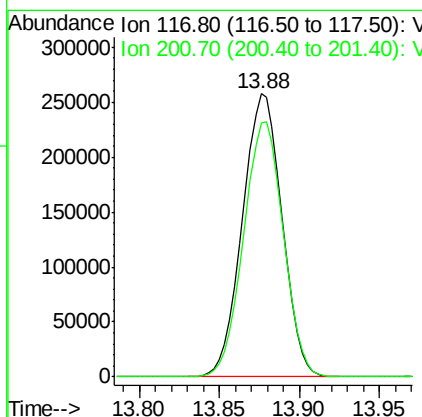
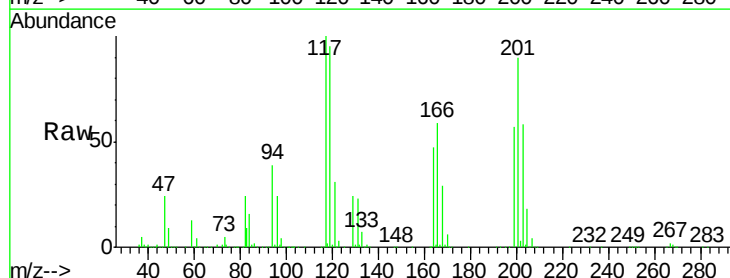
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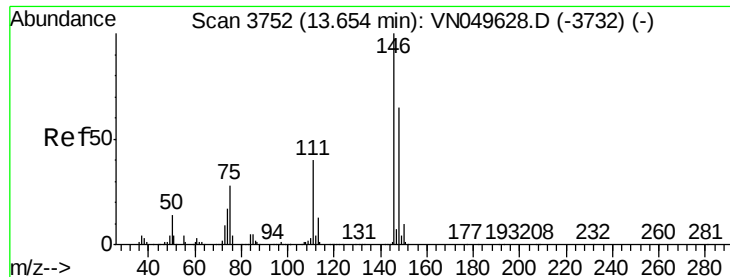
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#90
Hexachloroethane
Concen: 57.12 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	90.9	40.1	120.2	





#91

1,2-Dichlorobenzene

Concen: 47.38 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

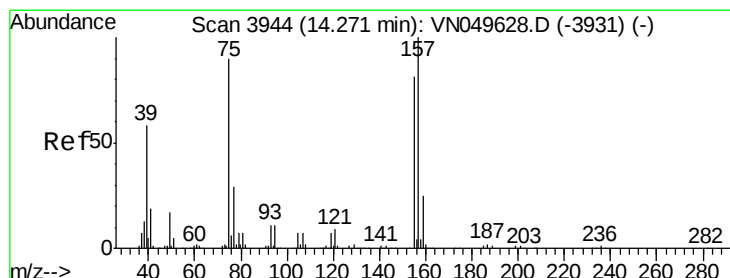
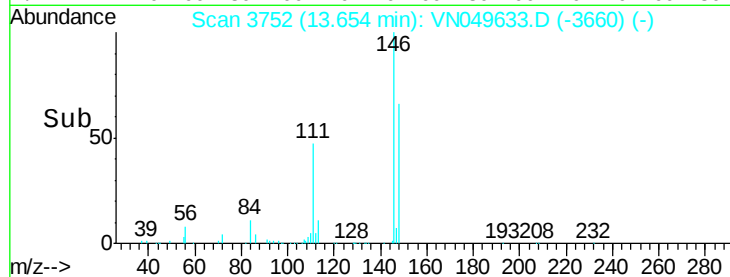
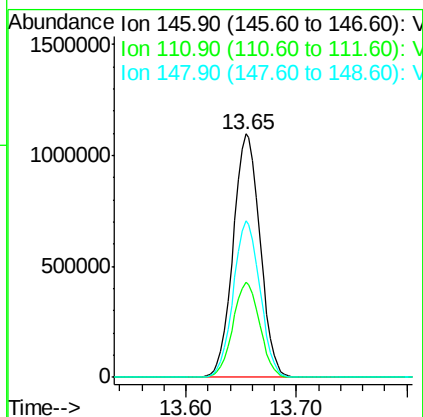
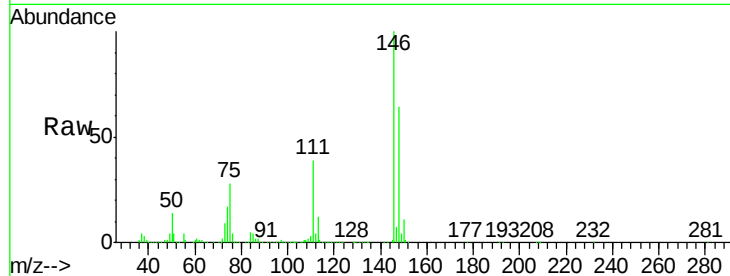
ClientSampled :

ICVVN062918

Tot Ion:	146	Resp:	1852745
Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	63.9	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 48.02 ug/l

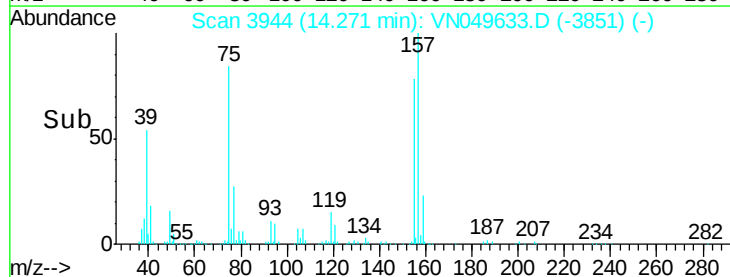
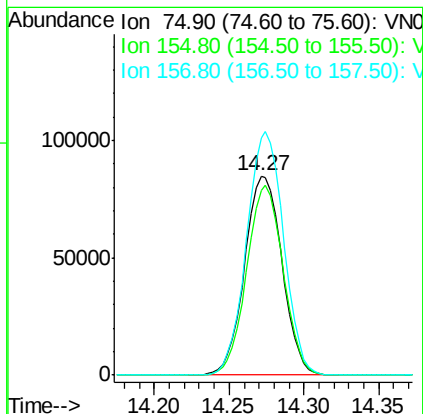
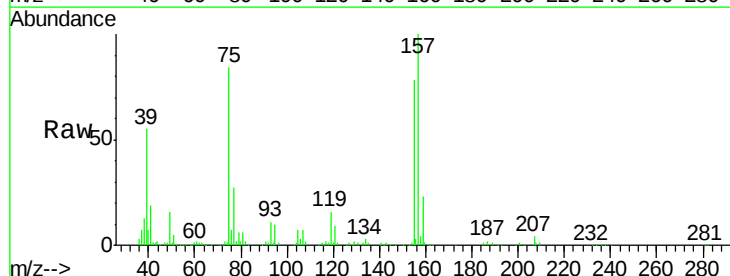
RT: 14.27 min Scan# 3944

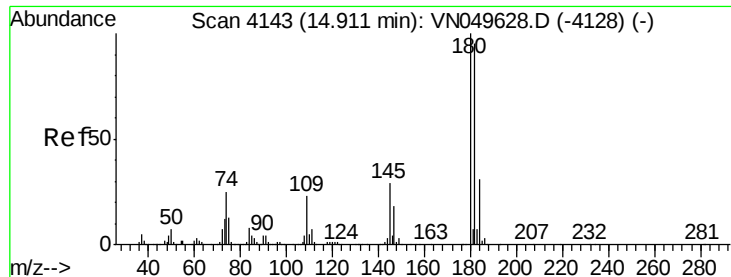
Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Tgt Ion:	75	Resp:	147964
Ion	Ratio	Lower	Upper
75	100		
155	92.8	38.8	116.3
157	120.6	51.0	153.1





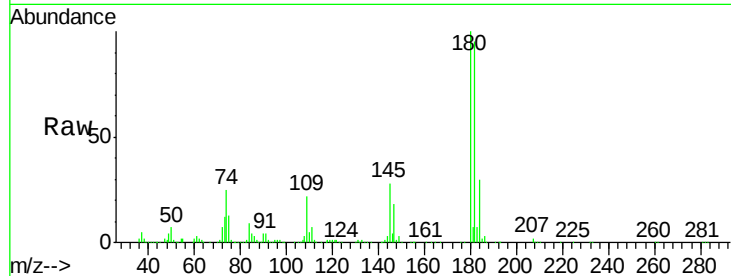
#93
1,2,4-Trichlorobenzene
Concen: 46.51 ug/l
RT: 14.91 min Scan# 4144
Delta R.T. 0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Instrument :
MSVOA_N
ClientSampleId :
ICVVN062918

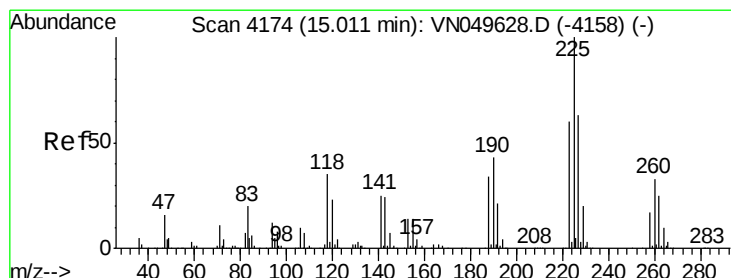
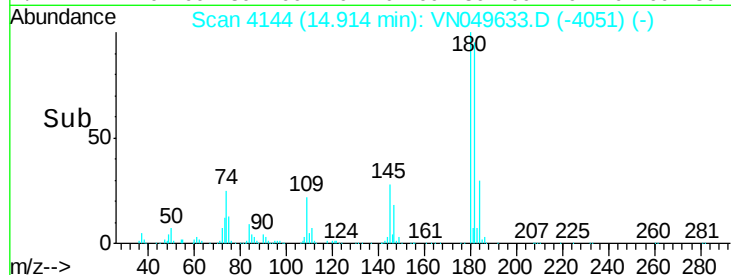
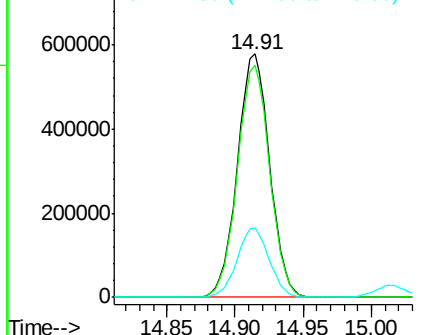
Tot Ion	Ratio	Resp	Lower	Upper
180	100	946484		
182	95.4	46.9	140.8	
145	28.3	14.7	44.1	

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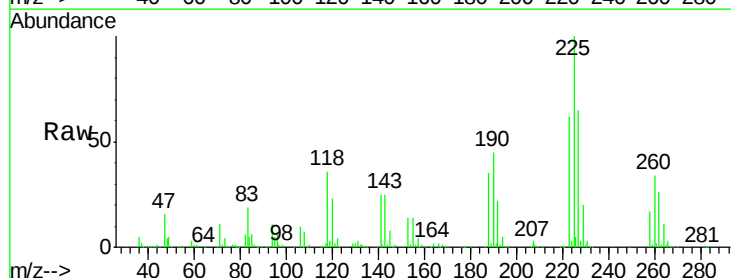


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

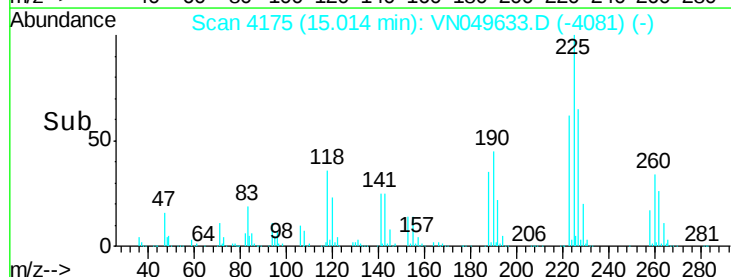
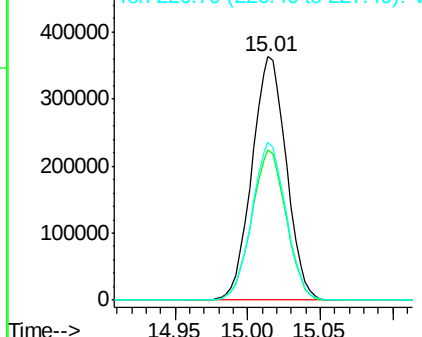


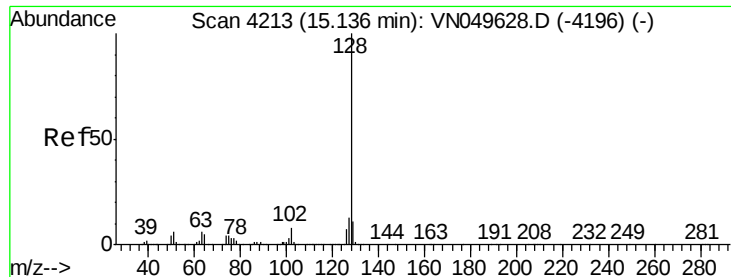
#94
Hexachlorobutadiene
Concen: 51.00 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049633.D
Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	599953		
223	61.6	32.1	96.3	
227	64.3	31.8	95.3	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 47.07 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Instrument :

MSVOA_N

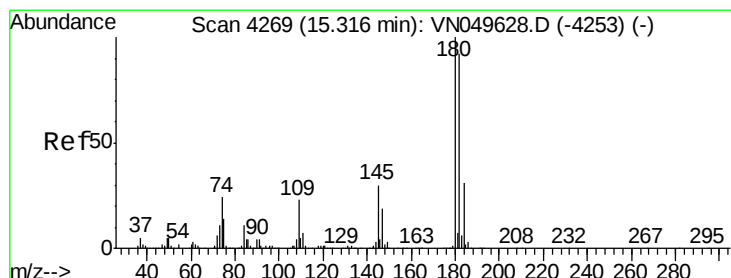
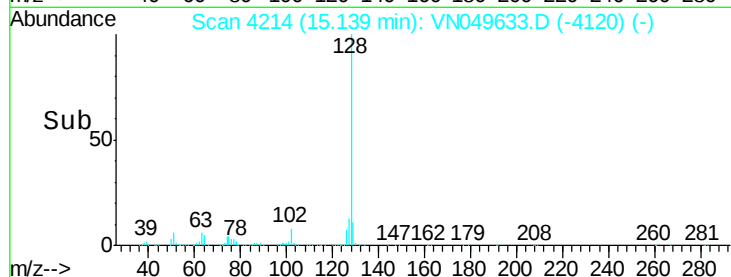
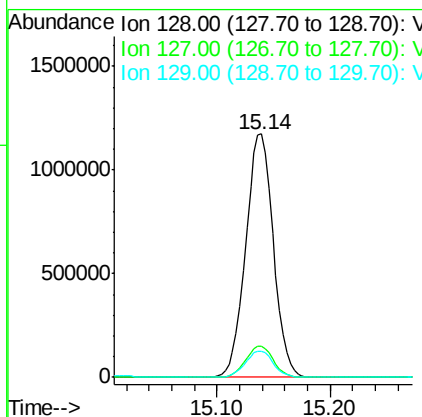
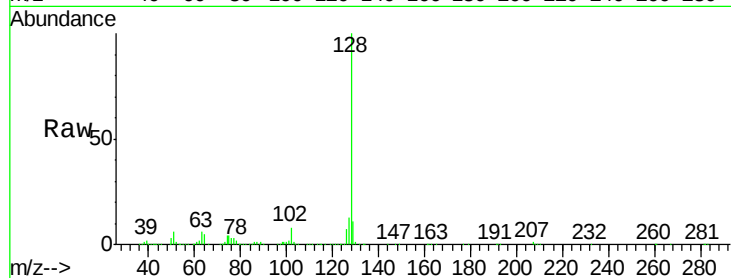
ClientSampleId :

ICVVN062918

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.8	8.5	12.7

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#96

1,2,3-Trichlorobenzene

Concen: 46.61 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049633.D

Acq: 29 Jun 2018 15:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	30.5	15.6	46.7

