

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
 Data File : VN049477.D
 Acq On : 21 Jun 2018 19:10
 Operator : MD\SY
 Sample : VN0621MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBSD01

Manual Integrations
 APPROVED

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 6/22/2018 1:58:07 PM

Quant Time: Jun 22 04:45:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1379570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2093513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1879102	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	890828	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	863599	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
35) Dibromofluoromethane	7.59	113	779573	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
50) Toluene-d8	10.09	98	2841203	44.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.12%	
62) 4-Bromofluorobenzene	12.40	95	946067	44.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.74%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	296884	18.70	ug/l	100
3) Chloromethane	2.06	50	374631	18.27	ug/l	99
4) Vinyl Chloride	2.18	62	410698	18.85	ug/l	99
5) Bromomethane	2.56	94	216027	18.86	ug/l	97
6) Chloroethane	2.70	64	259522	19.97	ug/l	98
7) Trichlorofluoromethane	3.02	101	544446	20.03	ug/l	99
8) Diethyl Ether	3.41	74	194206	20.46	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	333234	19.33	ug/l	94
10) Methyl Iodide	3.95	142	364000	20.28	ug/l	91
11) Tert butyl alcohol	4.81	59	120982	112.65	ug/l	96
12) 1,1-Dichloroethene	3.73	96	306524	19.38	ug/l	90
13) Acrolein	3.61	56	233529	207.36	ug/l	100
14) Allyl chloride	4.32	41	489601	19.60	ug/l	90
15) Acrylonitrile	5.00	53	560070	104.29	ug/l	99
16) Acetone	3.82	43	471381	106.10	ug/l	91
17) Carbon Disulfide	4.05	76	862174	17.39	ug/l	100
18) Methyl Acetate	4.33	43	324778	23.98	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	847415	21.01	ug/l	99
20) Methylene Chloride	4.55	84	361385	19.48	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	318746	19.03	ug/l	93
22) Diisopropyl ether	5.96	45	1028875	20.63	ug/l	98
23) Vinyl Acetate	5.90	43	3345157	102.88	ug/l	97
24) 1,1-Dichloroethane	5.85	63	633137	19.83	ug/l	99
25) 2-Butanone	6.84	43	641225	107.49	ug/l	94
26) 2,2-Dichloropropane	6.82	77	509528	19.76	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	371530	19.95	ug/l	92
28) Bromochloromethane	7.20	49	245969	17.38	ug/l	85
29) Tetrahydrofuran	7.22	42	417926	108.83	ug/l	94
30) Chloroform	7.37	83	640788	20.17	ug/l	100
31) Cyclohexane	7.66	56	532033	19.55	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	547387	20.19	ug/l	96
36) 1,1-Dichloropropene	7.79	75	476287	19.85	ug/l	98
37) Ethyl Acetate	6.94	43	302602	23.20	ug/l	97
38) Carbon Tetrachloride	7.77	117	483402	19.46	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	469418	18.23	ug/l	97
40) Benzene	8.04	78	1433154	19.48	ug/l	98
41) Methacrylonitrile	7.17	41	136395	19.34	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	450905	19.84	ug/l	97
43) Isopropyl Acetate	8.17	43	592045	23.76	ug/l	98
44) Trichloroethene	8.84	130	384543	19.80	ug/l	95
45) 1,2-Dichloropropane	9.12	63	379601	19.71	ug/l	99
46) Dibromomethane	9.21	93	227900	20.41	ug/l	91
47) Bromodichloromethane	9.41	83	477947	19.47	ug/l	96
48) Methyl methacrylate	9.20	41	251337	21.42	ug/l	87
49) 1,4-Dioxane	9.20	88	67493	416.67	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1420547	108.75	ug/l	94
52) Toluene	10.16	92	864635	20.03	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	454705	19.37	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	534778	19.29	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	323671	20.11	ug/l	98
56) Ethyl methacrylate	10.43	69	387195	20.85	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	538171	20.18	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	440816	76.93	ug/l	95
59) 2-Hexanone	10.75	43	917911	109.00	ug/l	95
60) Dibromochloromethane	10.90	129	357180	19.88	ug/l	98
61) 1,2-Dibromoethane	11.01	107	306543	20.49	ug/l	99
64) Tetrachloroethene	10.63	164	427848	22.22	ug/l	97
65) Chlorobenzene	11.44	112	939600	19.41	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	359668	19.74	ug/l	98
67) Ethyl Benzene	11.51	91	1580051	19.68	ug/l	96
68) m/p-Xylenes	11.62	106	1212136	40.23	ug/l	97
69) o-Xylene	11.95	106	581403	20.03	ug/l	98
70) Styrene	11.97	104	937637	20.48	ug/l	97
71) Bromoform	12.13	173	239088	20.28	ug/l #	99
73) Isopropylbenzene	12.25	105	1561110	19.96	ug/l	98
74) N-amyl acetate	12.07	43	389811	20.35	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	361094	21.15	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	337293m	22.19	ug/l	
77) Bromobenzene	12.53	156	392944	19.02	ug/l	91
78) n-propylbenzene	12.59	91	1725697	20.09	ug/l	99
79) 2-Chlorotoluene	12.68	91	1065411	19.58	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1261735	20.52	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	96348	20.03	ug/l	95
82) 4-Chlorotoluene	12.78	91	1043991	19.89	ug/l	97
83) tert-Butylbenzene	12.99	119	1065068	19.55	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1250845	20.48	ug/l	99
85) sec-Butylbenzene	13.17	105	1421567	19.61	ug/l	100
86) p-Isopropyltoluene	13.29	119	1175245	19.40	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	648021	19.07	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	623607	18.51	ug/l	99
89) n-Butylbenzene	13.62	91	847420	17.91	ug/l	98
90) Hexachloroethane	13.88	117	238376	19.77	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	637224	19.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53134	19.51	ug/l	87

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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	198328	16.49	ug/l	99
94) Hexachlorobutadiene	15.01	225	200218	18.84	ug/l	97
95) Naphthalene	15.14	128	403716	17.71	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	217341	17.00	ug/l	99

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

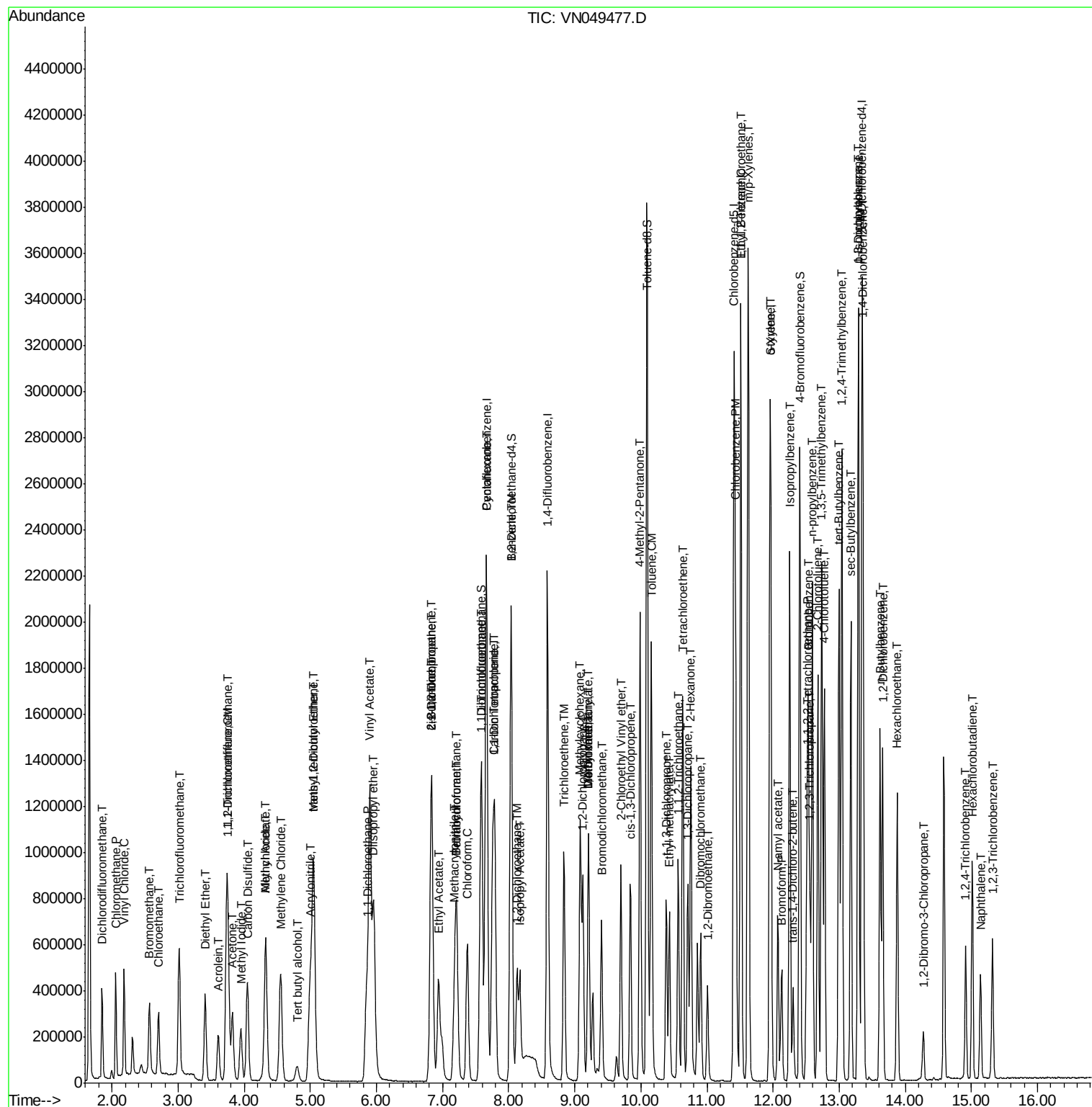
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 Acq On : 21 Jun 2018 19:10
 Operator : MD\SY
 Sample : VN0621MBSD01
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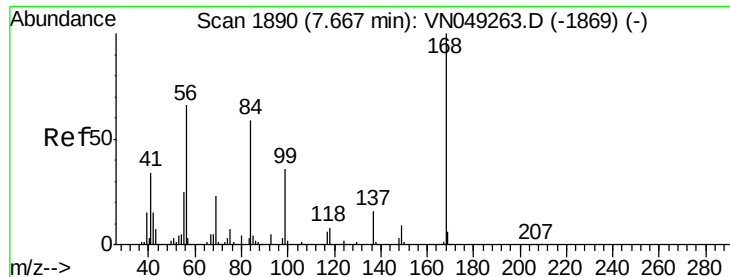
Instrument :
 MSVOA_N
 Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBSD01

Tot Ion:168 Resp: 1379570

Ion Ratio Lower Upper

168 100

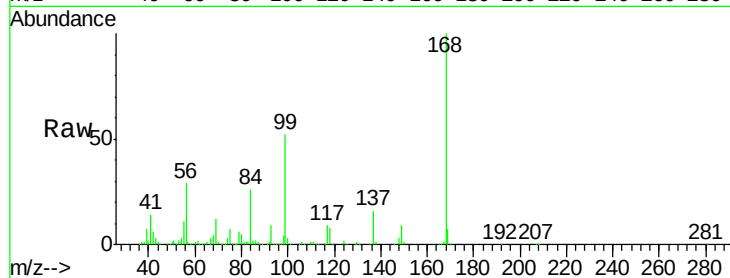
99 52.0 45.8 68.6

Manual Integrations

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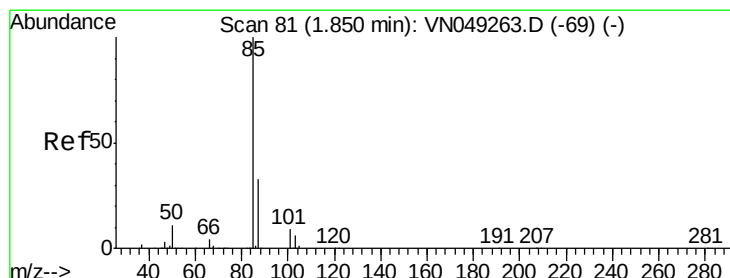
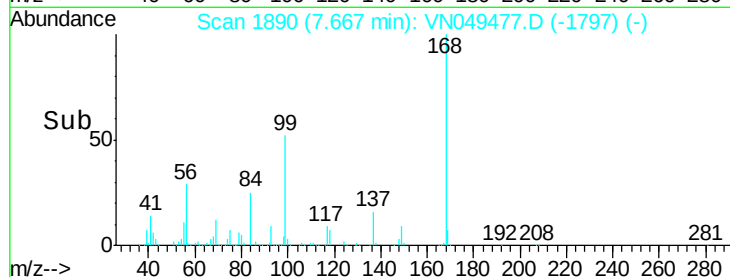
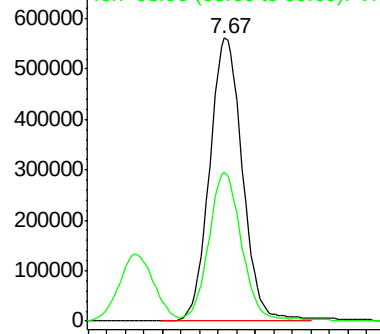
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.70 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049477.D

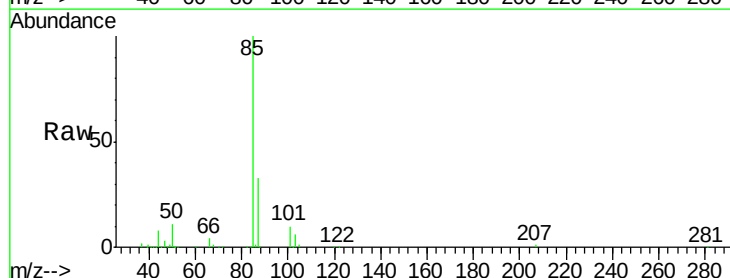
Acq: 21 Jun 2018 19:10

Tgt Ion: 85 Resp: 296884

Ion Ratio Lower Upper

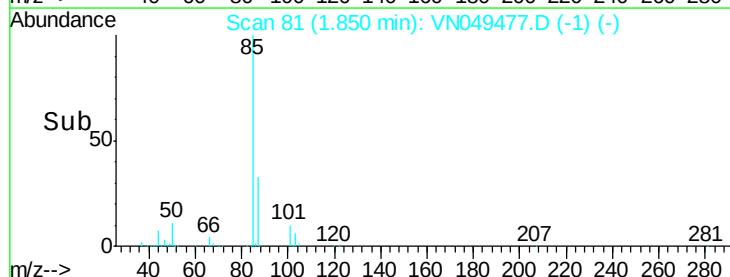
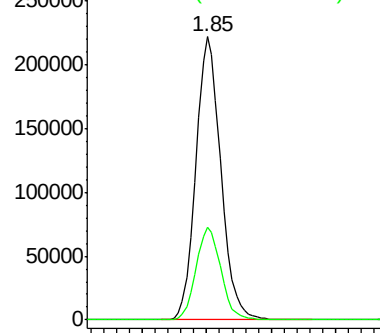
85 100

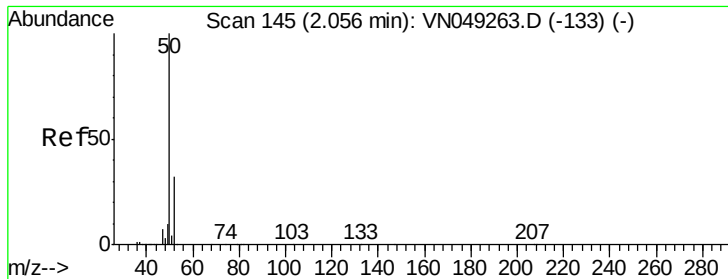
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 18.27 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBSD01

Tot Ion: 50 Resp: 374631

Ion Ratio Lower Upper

50 100

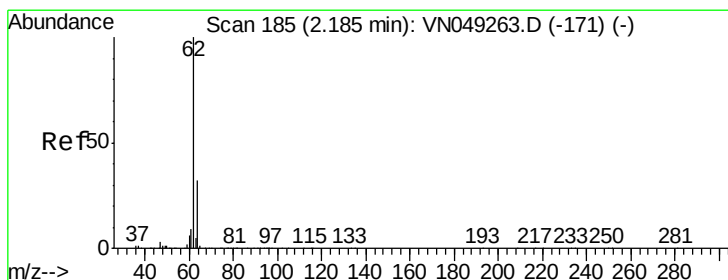
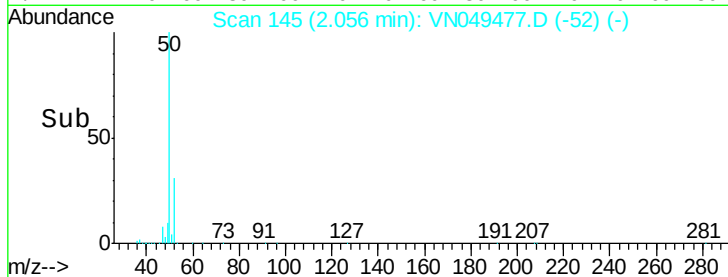
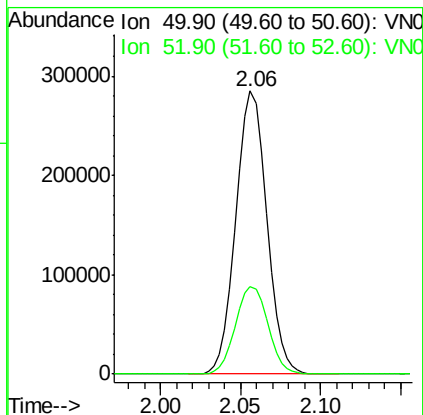
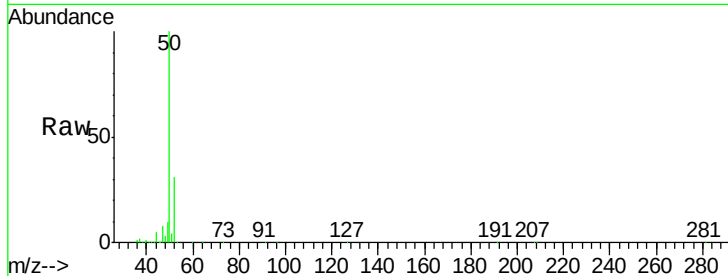
52 31.1 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.85 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049477.D

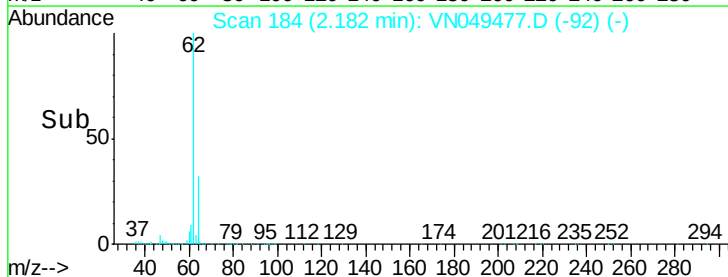
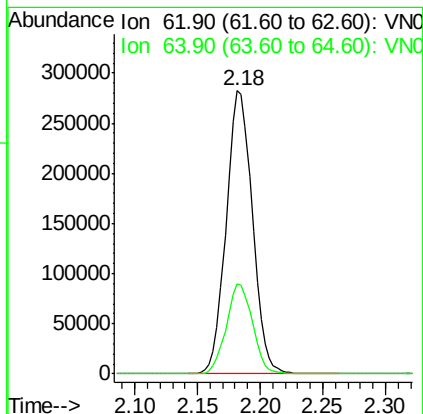
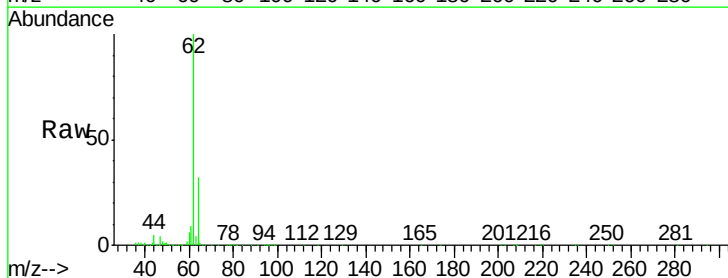
Acq: 21 Jun 2018 19:10

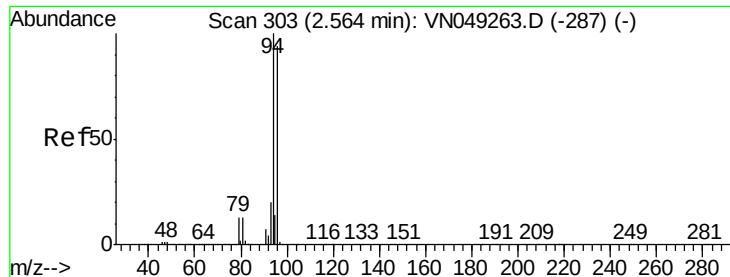
Tgt Ion: 62 Resp: 410698

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 18.86 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

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Tot Ion: 94 Resp: 216027

Ion Ratio Lower Upper

94 100

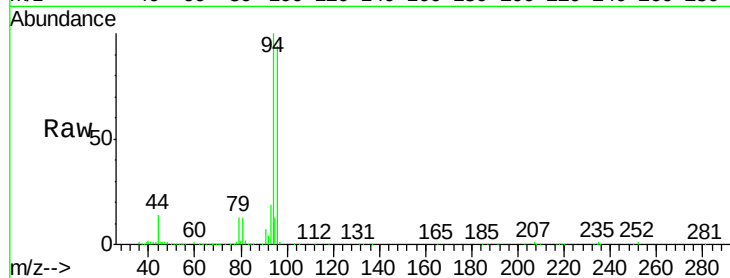
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Manual Integrations

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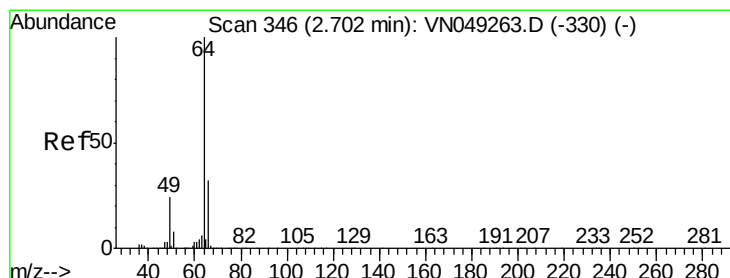
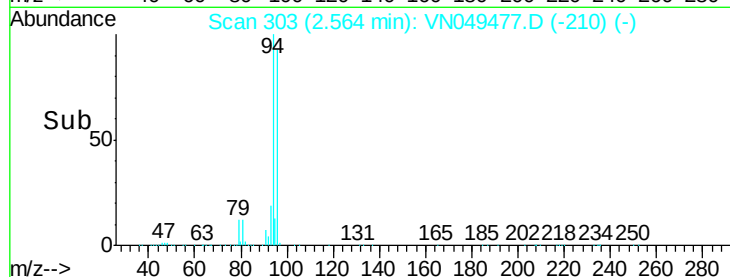
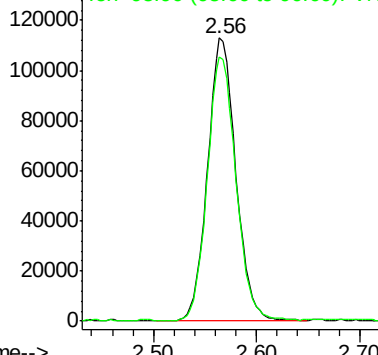
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.97 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049477.D

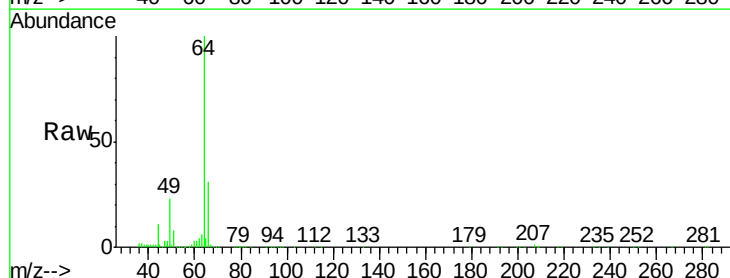
Acq: 21 Jun 2018 19:10

Tgt Ion: 64 Resp: 259522

Ion Ratio Lower Upper

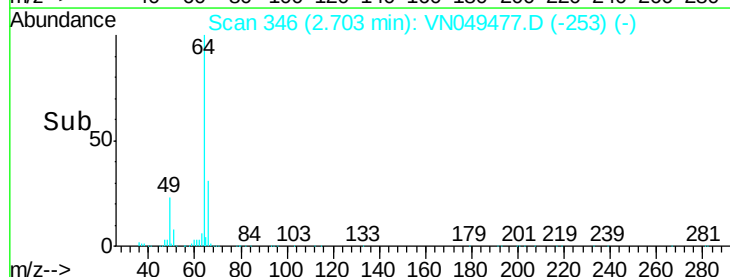
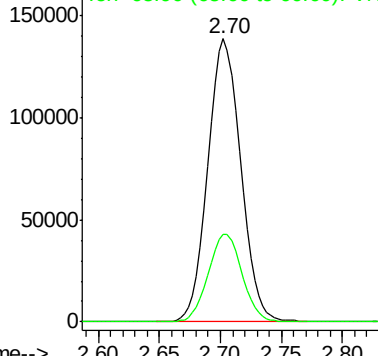
64 100

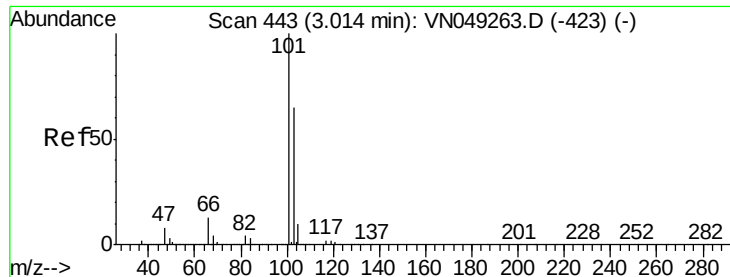
66 30.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

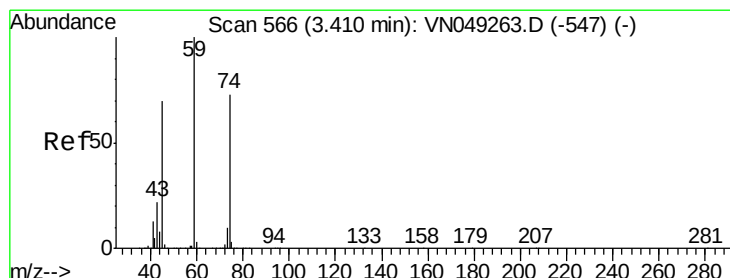
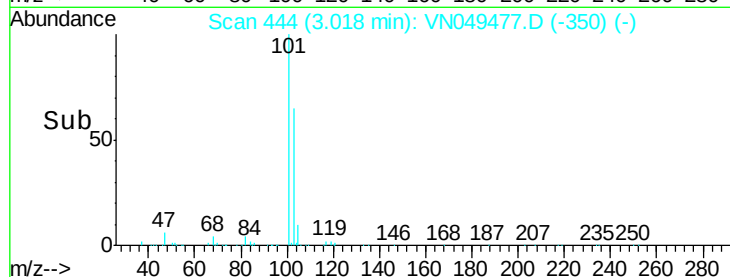
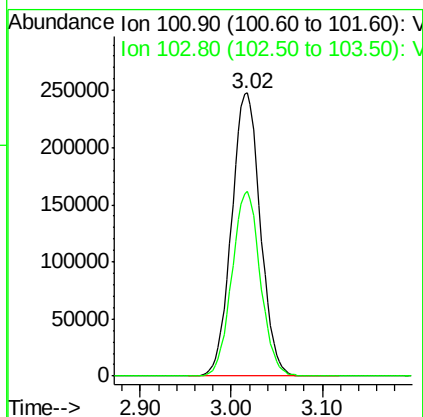
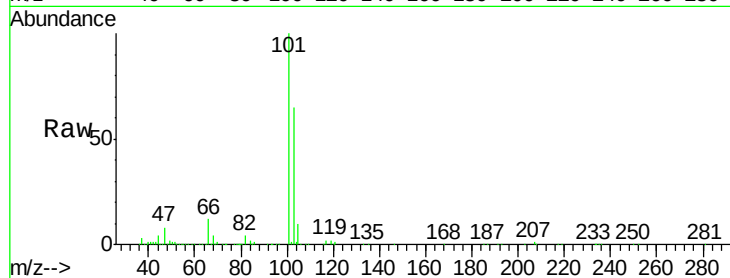
Trichlorofluoromethane
Concen: 20.03 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

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Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	65.4	51.7	77.5	

Manual Integrations
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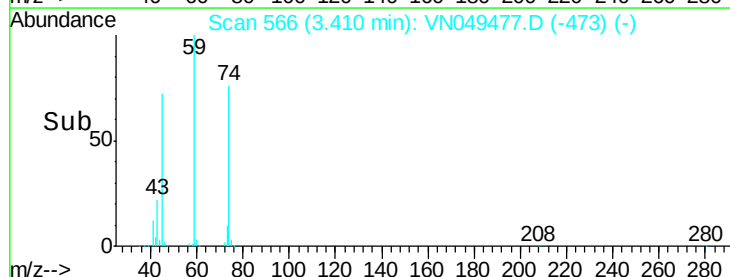
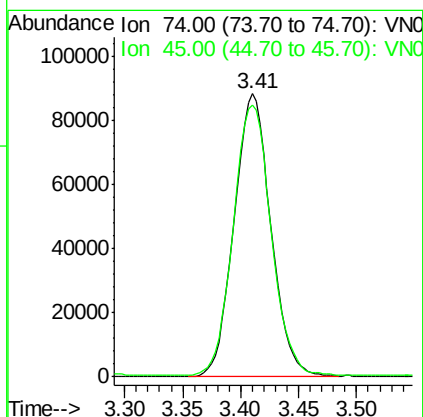
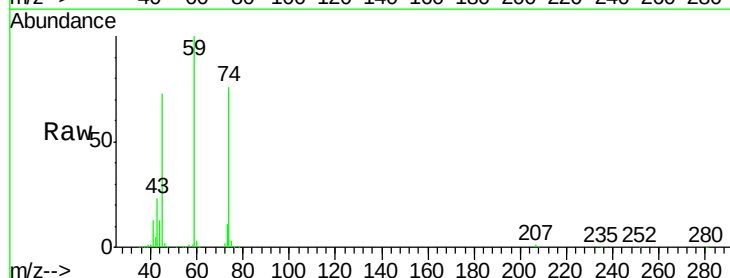
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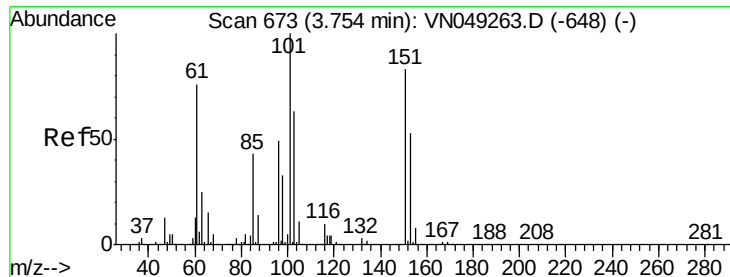


#8

Diethyl Ether
Concen: 20.46 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	98.8	51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.33 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

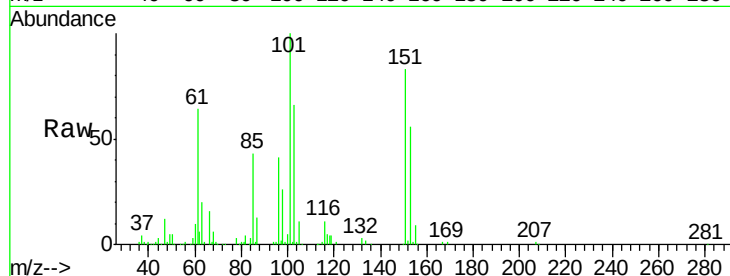
ClientSampleId :

VN0621MBSD01

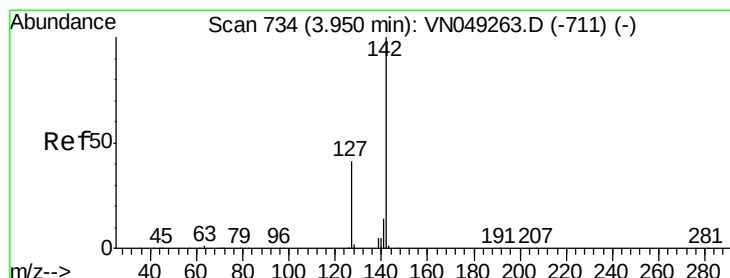
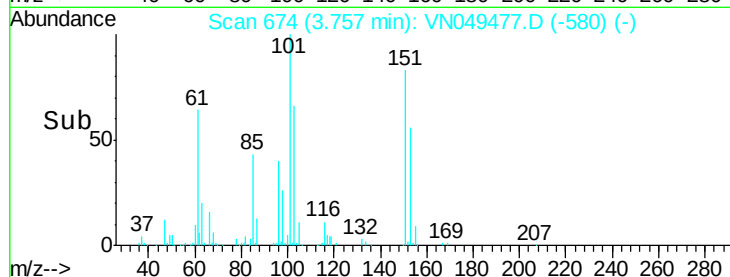
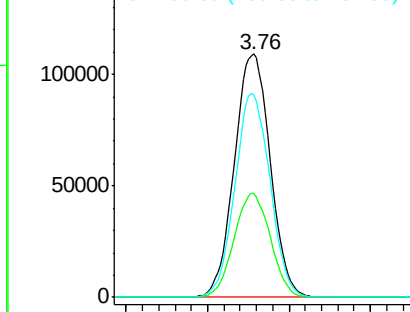
Tot Ion:	101	Resp:	333234
Ion Ratio	Lower	Upper	
101	100		
85	43.2	37.6	56.4
151	81.9	61.1	91.7

Manual Integrations
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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: 20.28 ug/l

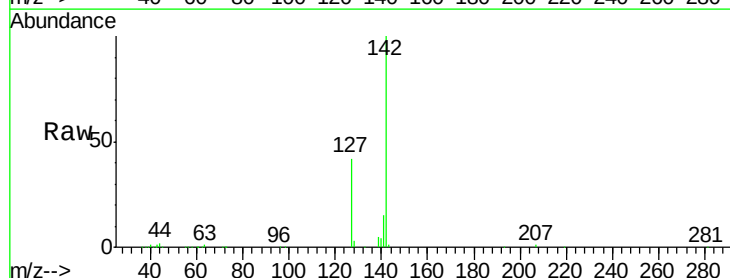
RT: 3.95 min Scan# 734

Delta R.T. 0.00 min

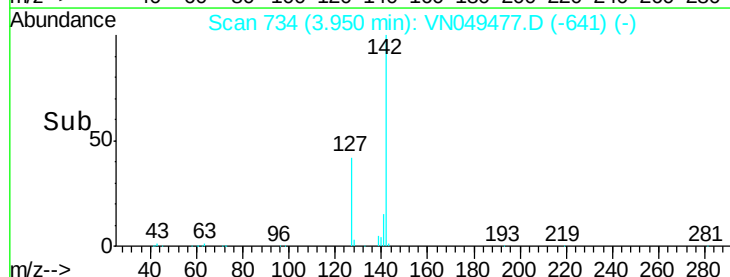
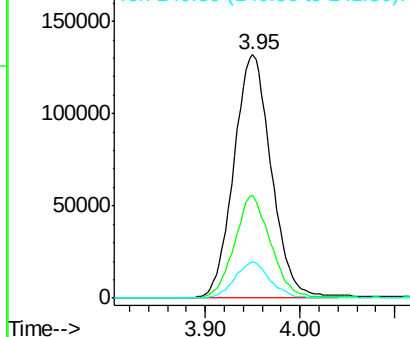
Lab File: VN049477.D

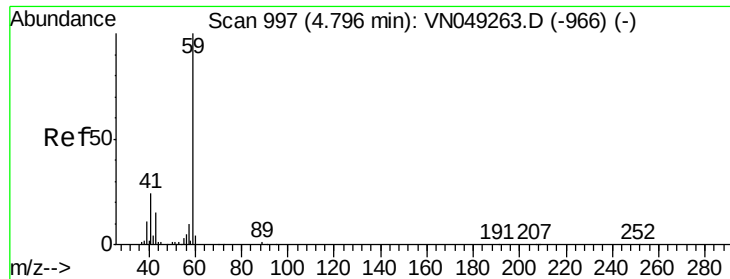
Acq: 21 Jun 2018 19:10

Tgt Ion:	142	Resp:	364000
Ion Ratio	Lower	Upper	
142	100		
127	40.4	38.2	57.4
141	14.1	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

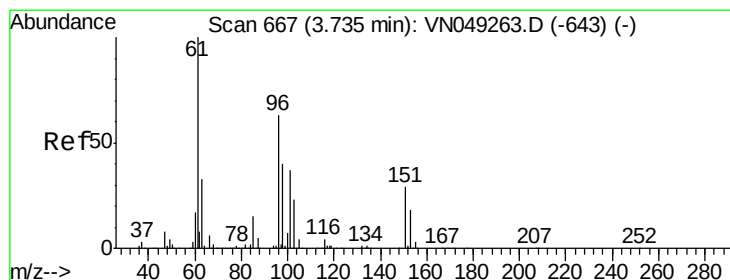
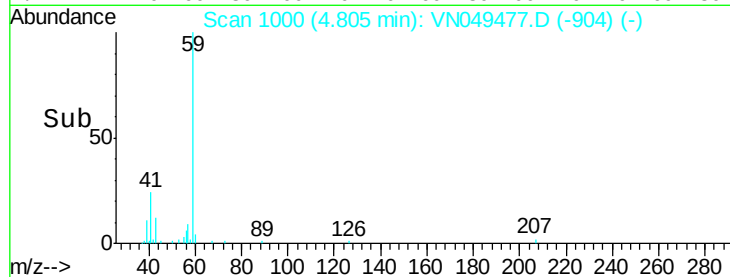
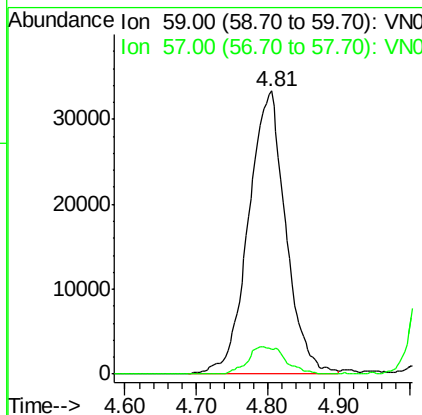
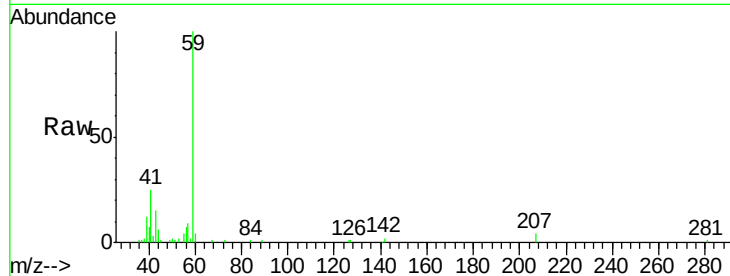
Tert butyl alcohol
Concen: 112.65 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	9.0	13.6

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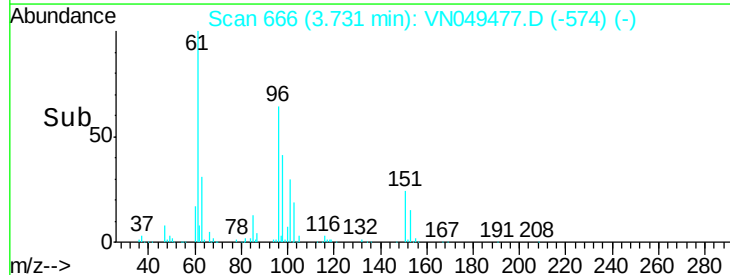
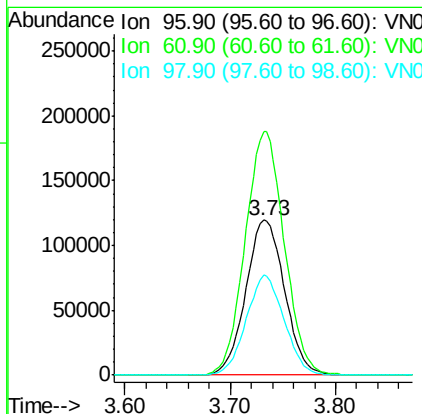
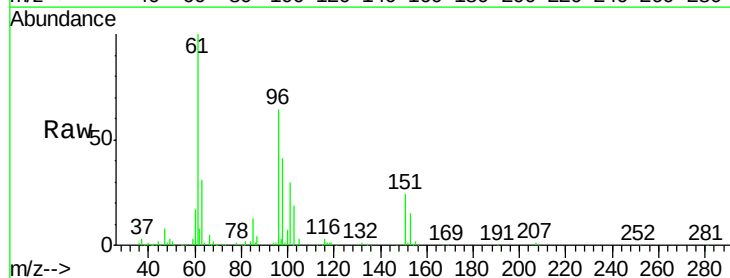
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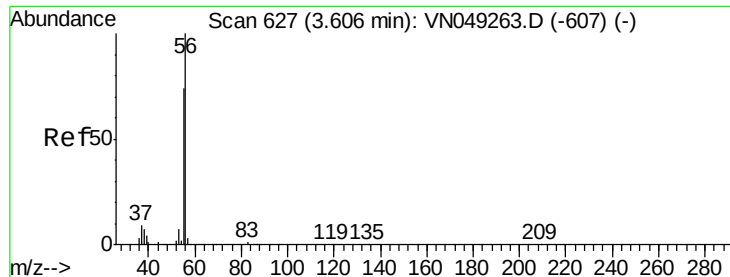


#12

1,1-Dichloroethene
Concen: 19.38 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.1	141.0	211.4
98	64.3	50.4	75.6





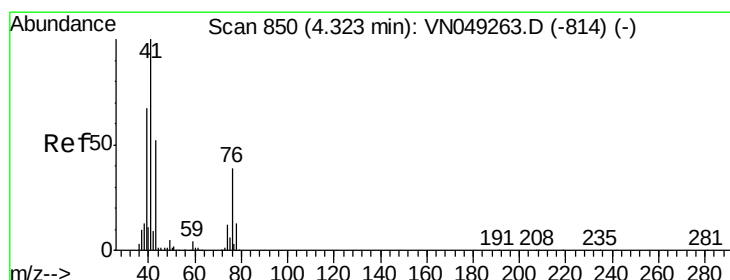
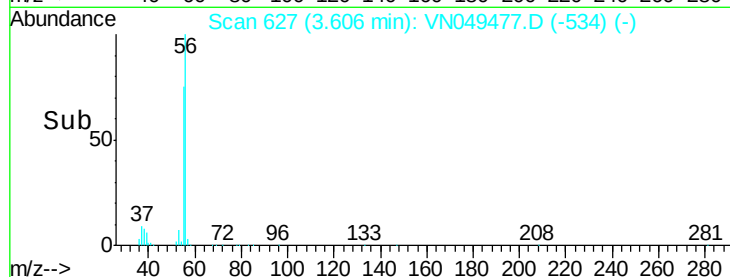
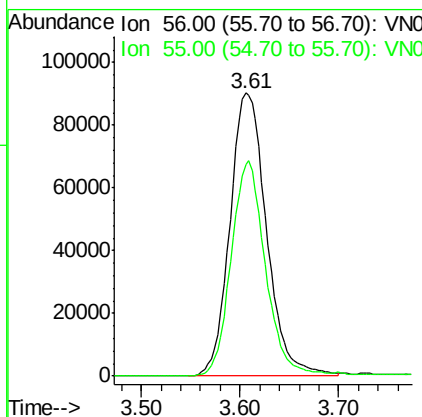
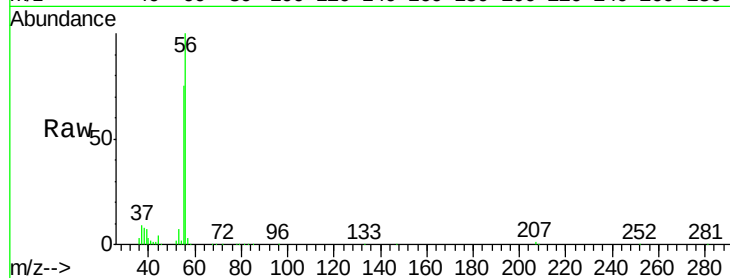
#13
Acrolein
Concen: 207.36 ug/l
RT: 3.61 min Scan# 627
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	56	Resp	233529
Ion Ratio	100	Lower	Upper
55	71.1	57.1	85.7

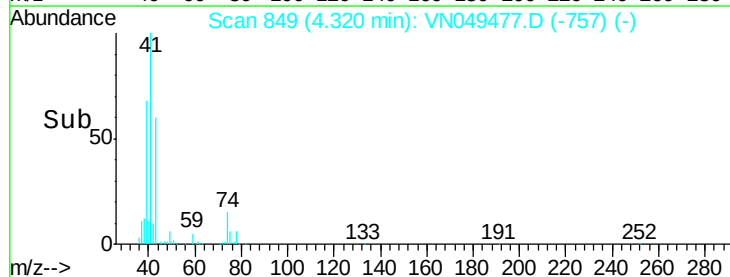
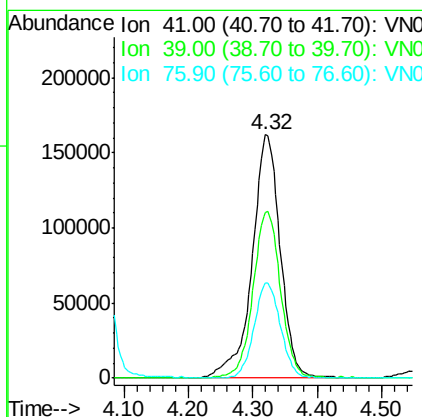
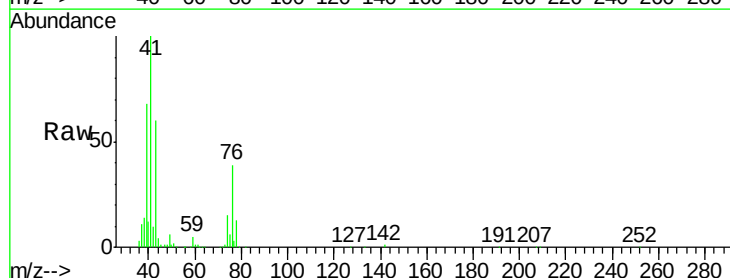
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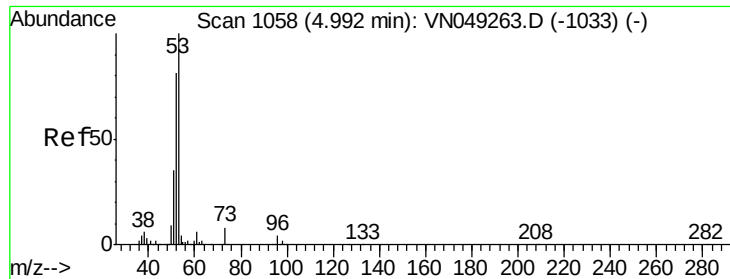
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#14
Allyl chloride
Concen: 19.60 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	41	Resp	489601
Ion Ratio	100	Lower	Upper
39	67.8	62.5	93.7
76	36.2	27.1	40.7





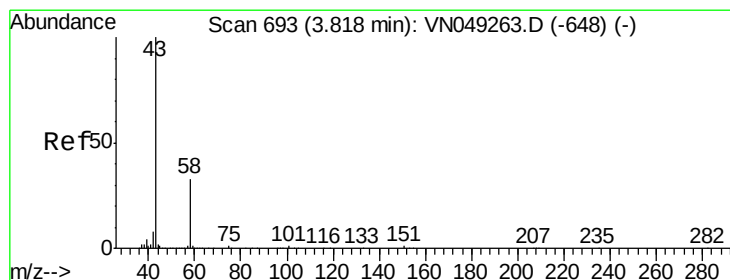
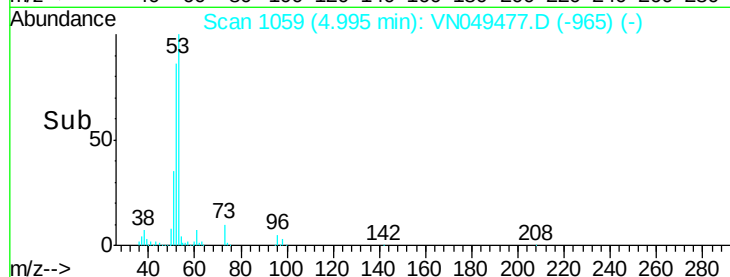
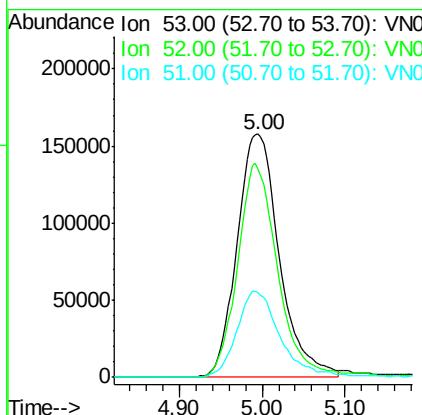
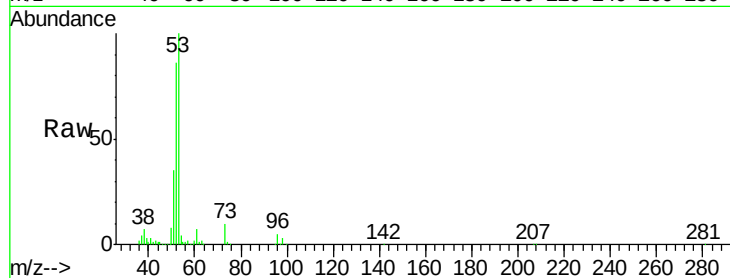
#15
 Acrylonitrile
 Concen: 104.29 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.9	66.6	100.0	
51	36.5	29.8	44.8	

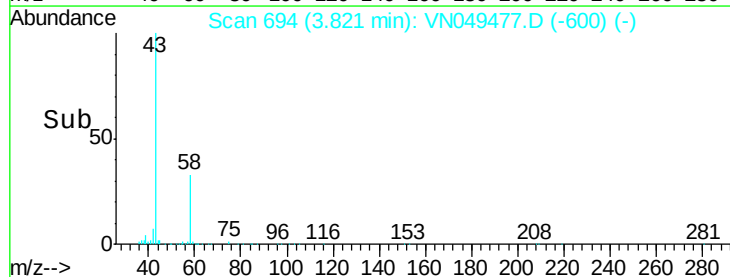
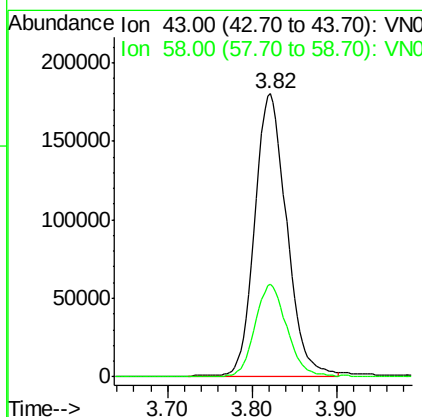
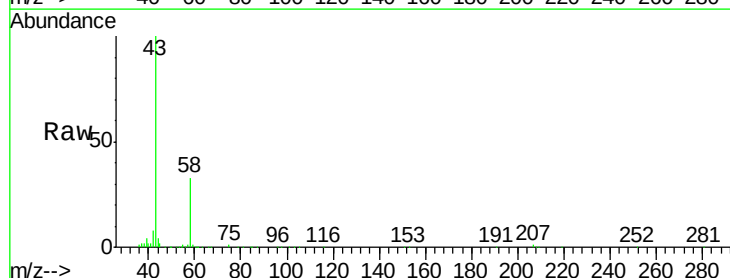
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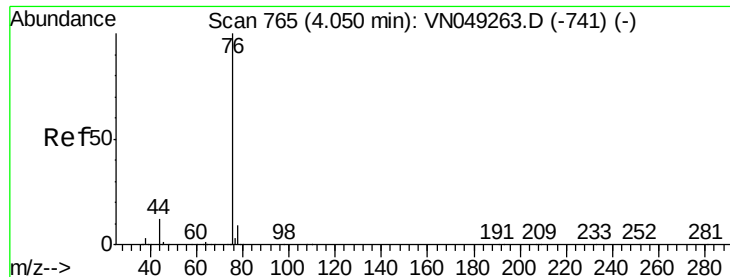
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#16
 Acetone
 Concen: 106.10 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	32.9	22.4	33.6	





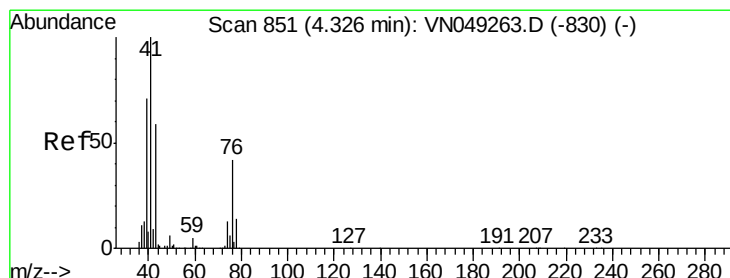
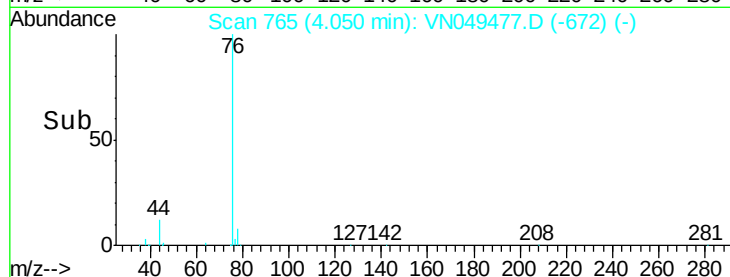
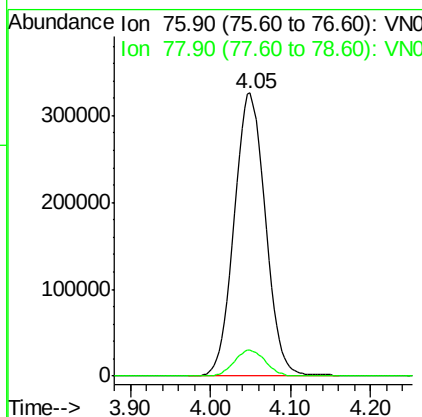
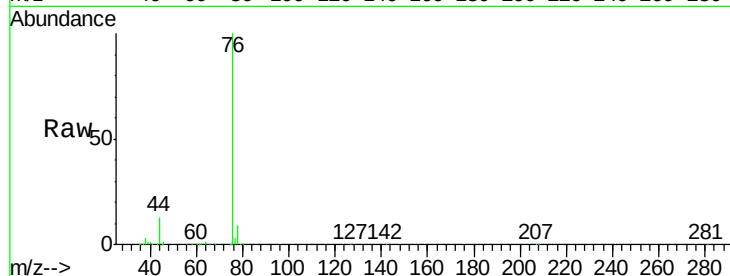
#17
Carbon Disulfide
Concen: 17.39 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

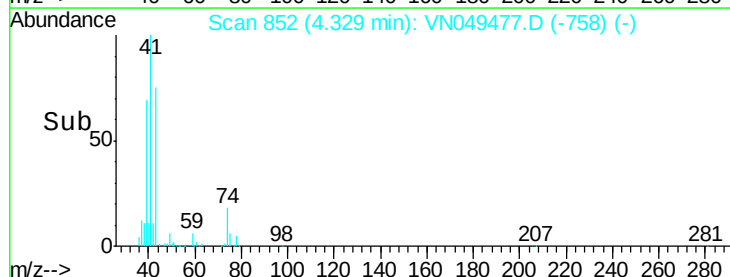
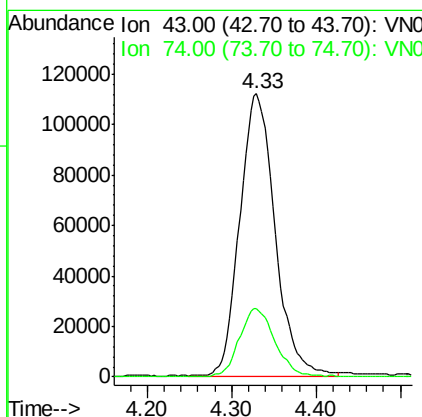
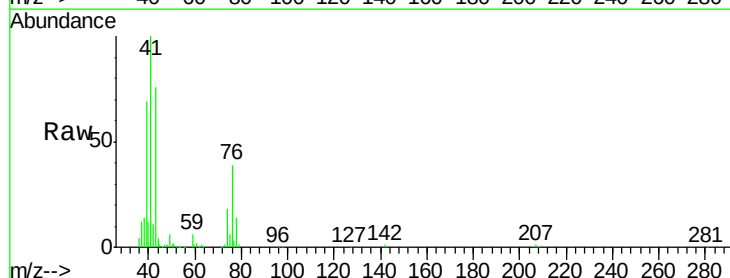
Manual Integrations
APPROVED

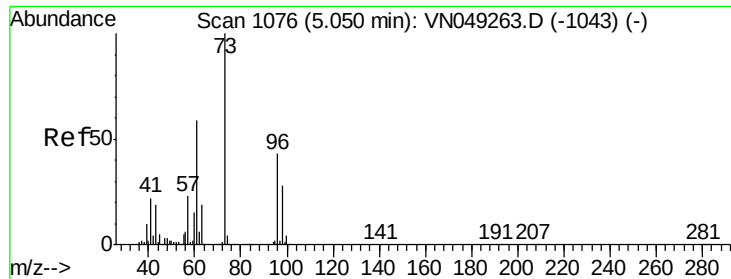
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#18
Methyl Acetate
Concen: 23.98 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	17.4	26.0





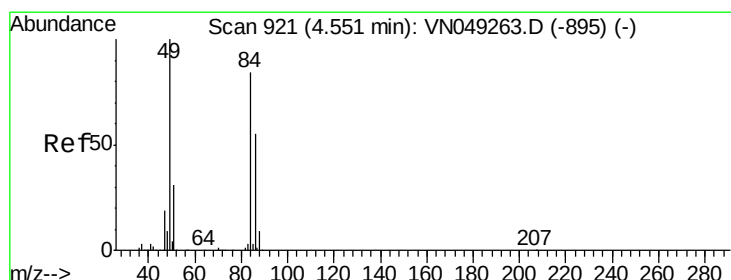
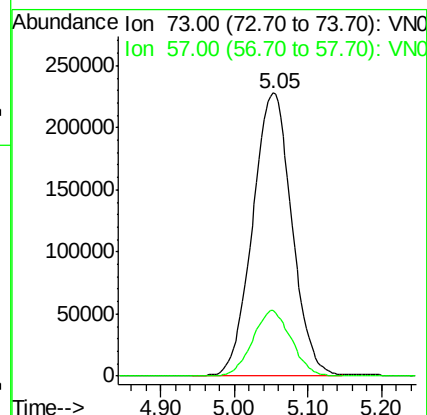
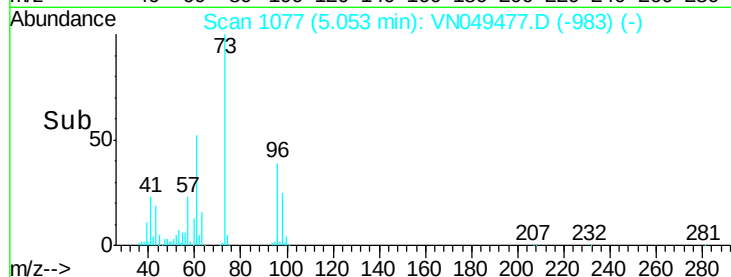
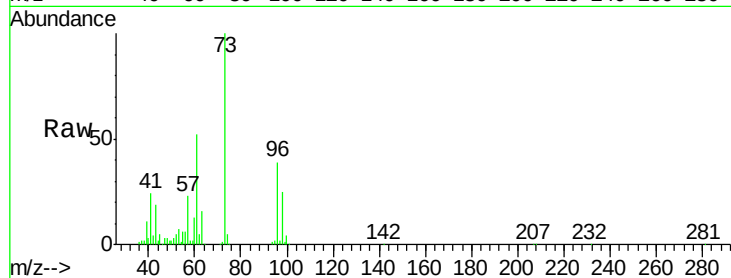
#19
Methyl tert-butyl Ether
Concen: 21.01 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleID :
VN0621MBSD01

Tot Ion: 73 Resp: 847415
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.4

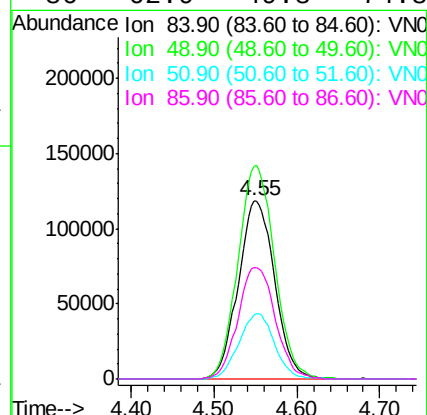
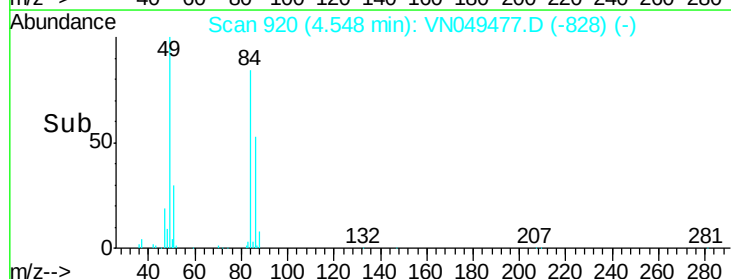
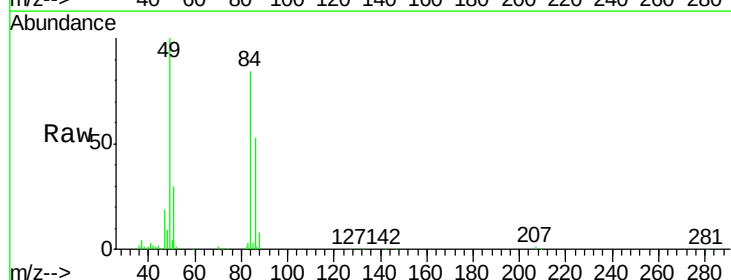
Manual Integrations
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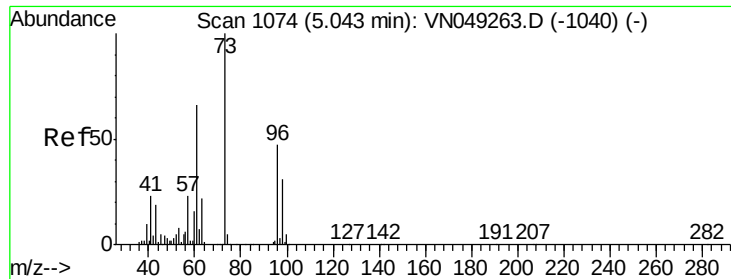
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#20
Methylene Chloride
Concen: 19.48 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion: 84 Resp: 361385
Ion Ratio Lower Upper
84 100
49 119.4 106.9 160.3
51 35.6 32.7 49.1
86 62.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 19.03 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

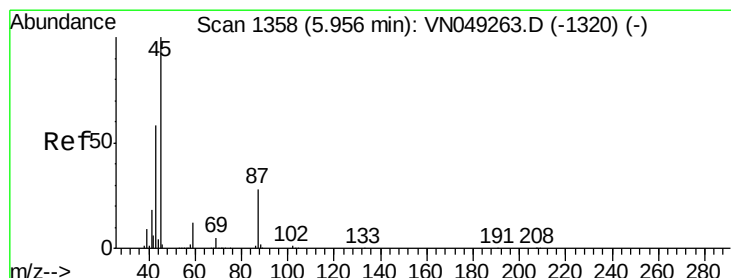
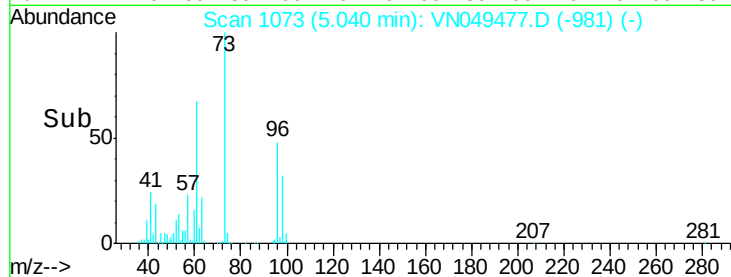
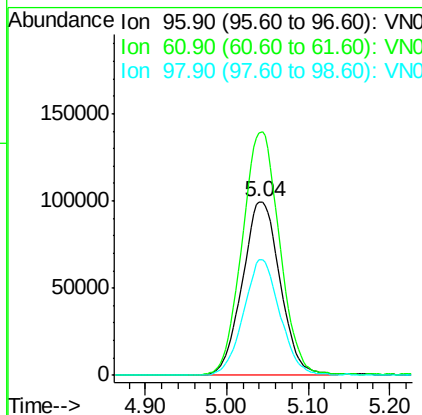
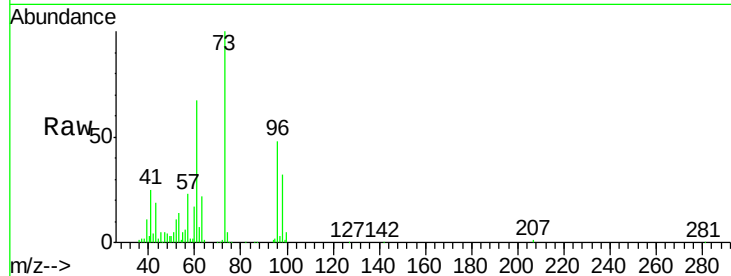
ClientSampleId :

VN0621MBSD01

Tot Ion:	96	Resp:	318746
Ion	Ratio	Lower	Upper
96	100		
61	139.3	121.3	181.9
98	66.5	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.63 ug/l

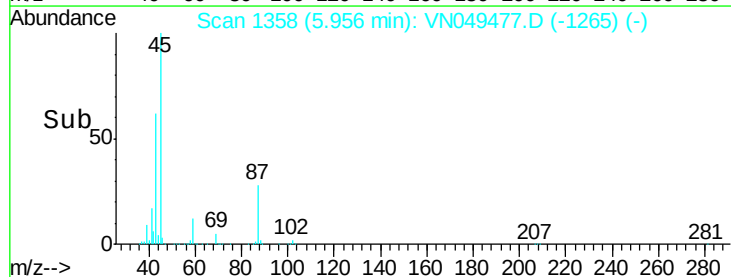
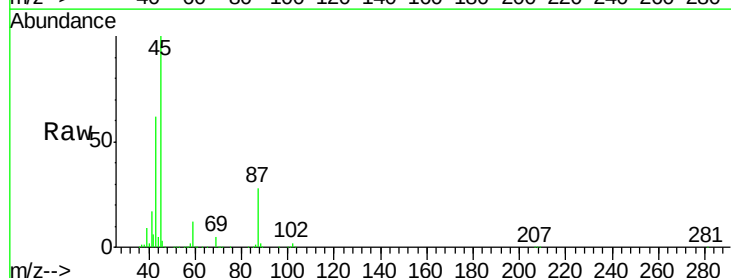
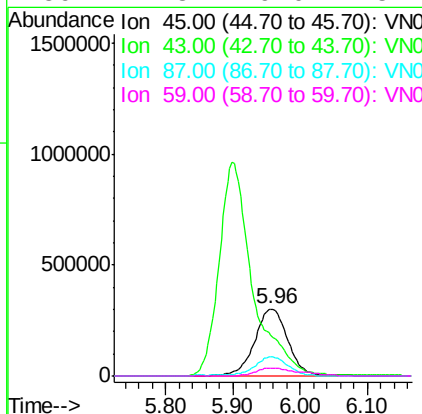
RT: 5.96 min Scan# 1358

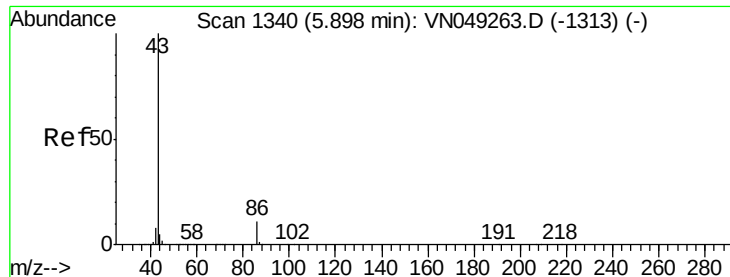
Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion:	45	Resp:	1028875
Ion	Ratio	Lower	Upper
45	100		
43	61.0	48.6	72.8
87	28.0	20.2	30.2
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 102.88 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleID :

VN0621MBSD01

Tot Ion: 43 Resp: 3345157

Ion Ratio Lower Upper

43 100

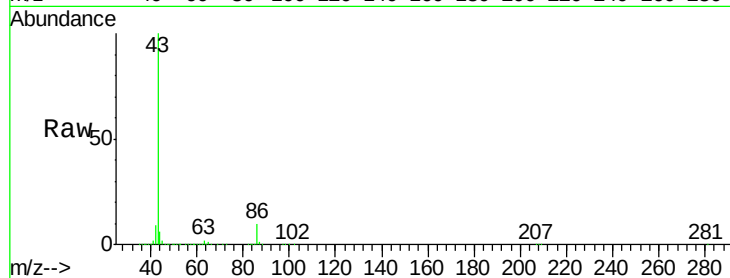
86 10.2 7.2 10.8

Manual Integrations

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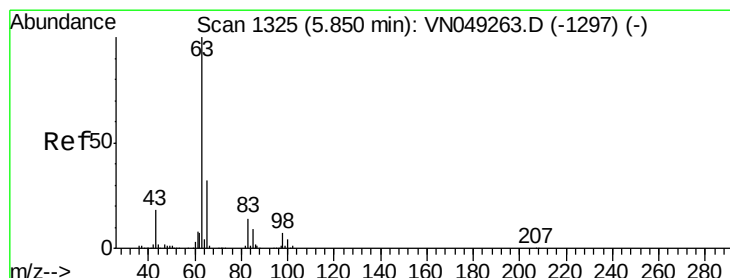
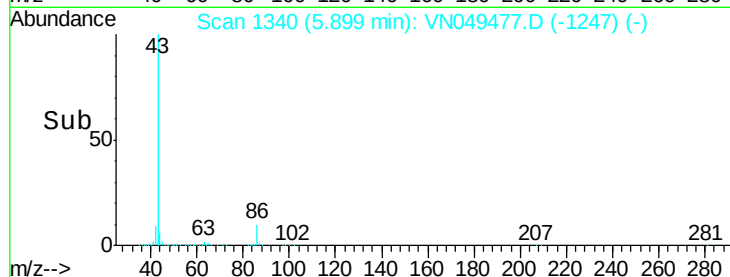
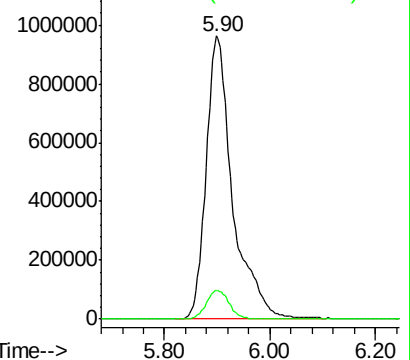
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.83 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

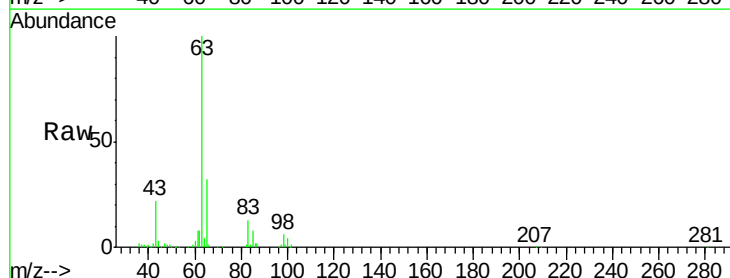
Tgt Ion: 63 Resp: 633137

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.8

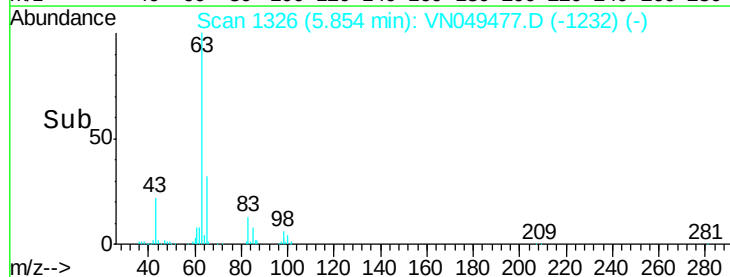
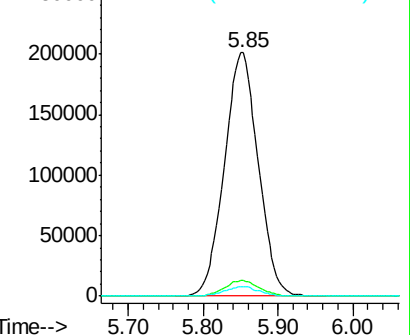
100 4.0 2.1 6.3

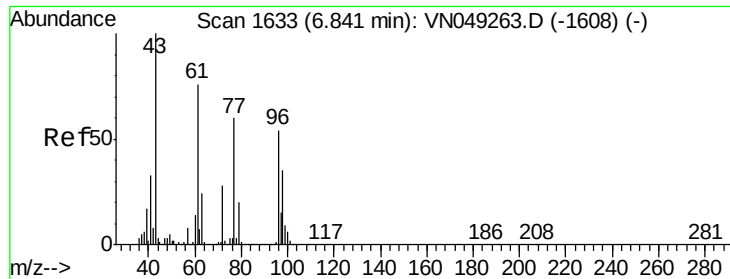


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 107.49 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampled :

VN0621MBSD01

Tot Ion: 43 Resp: 641225

Ion Ratio Lower Upper

43 100

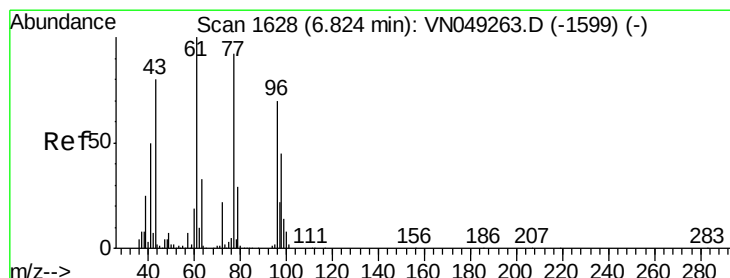
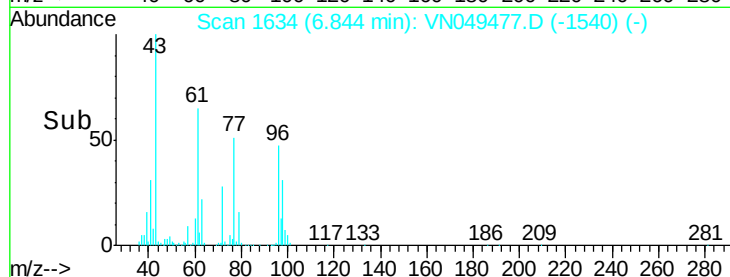
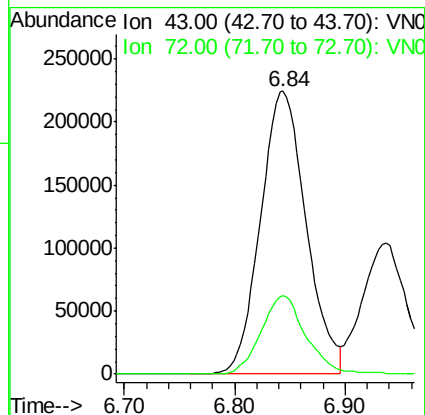
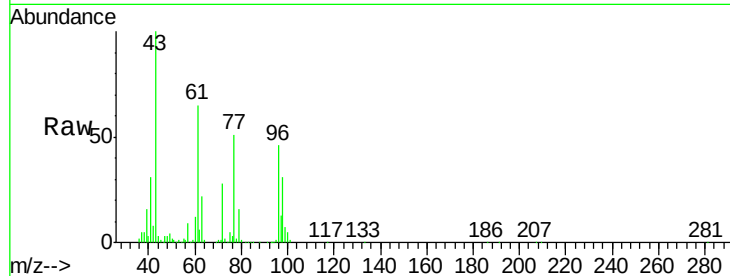
72 28.0 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 19.76 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049477.D

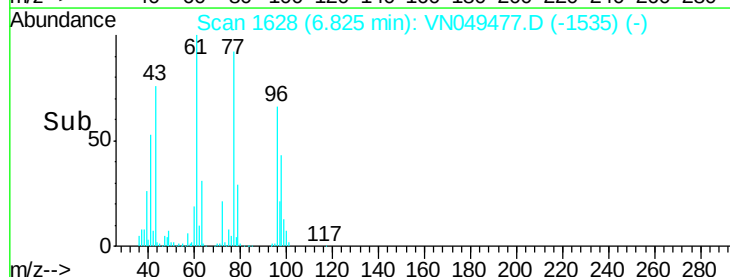
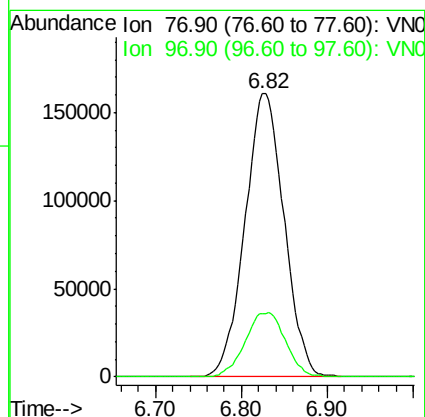
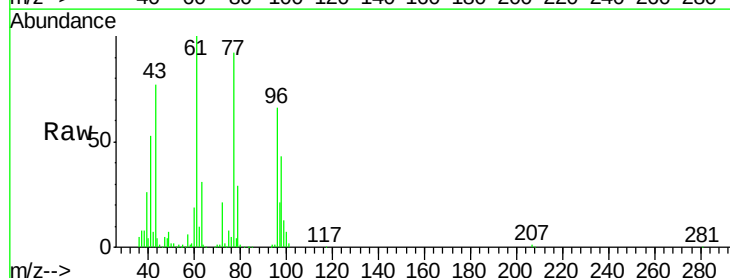
Acq: 21 Jun 2018 19:10

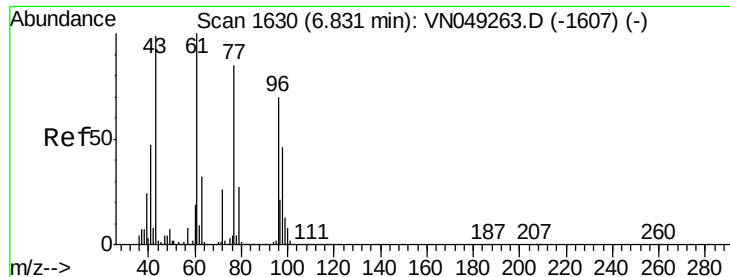
Tgt Ion: 77 Resp: 509528

Ion Ratio Lower Upper

77 100

97 23.2 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.95 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

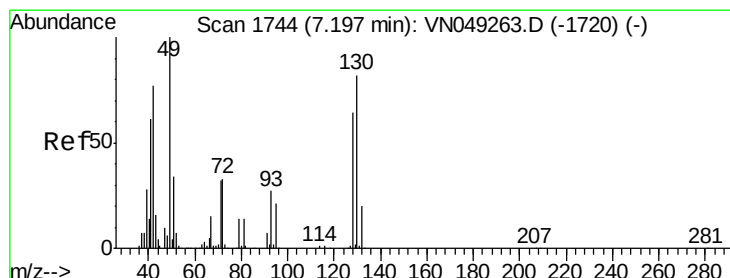
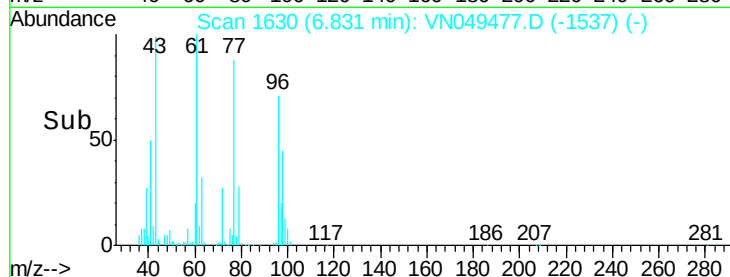
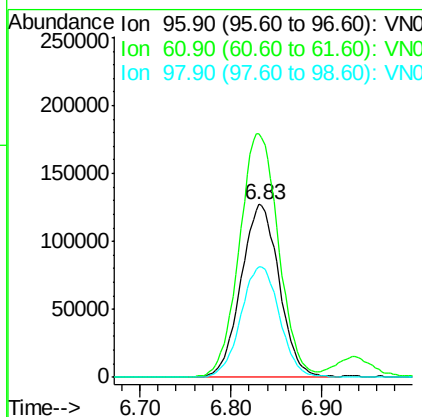
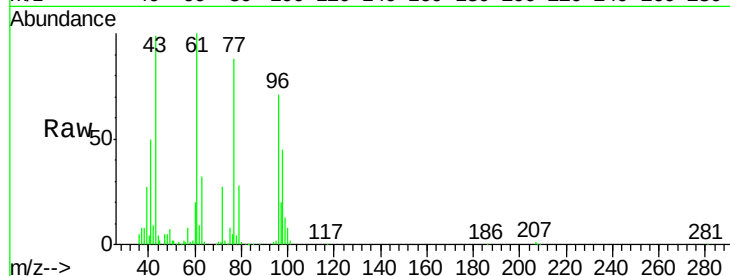
ClientSampleId :

VN0621MBSD01

Tot Ion:	96	Resp:	371530
Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	316.4
98	64.8	0.0	128.4

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#28

Bromochloromethane

Concen: 17.38 ug/l

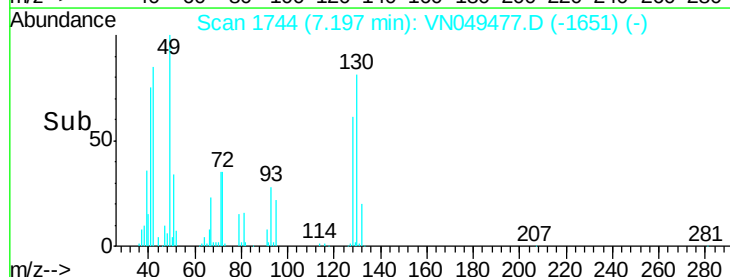
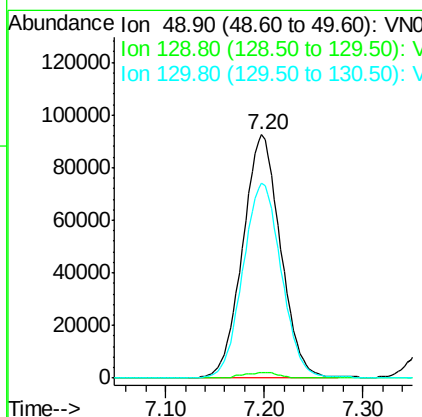
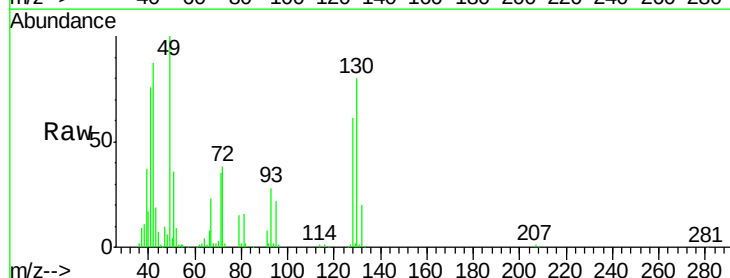
RT: 7.20 min Scan# 1744

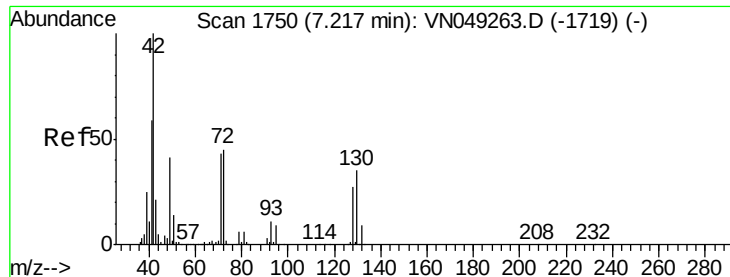
Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion:	49	Resp:	245969
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	81.5	54.9	82.3





#29

Tetrahydrofuran

Concen: 108.83 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

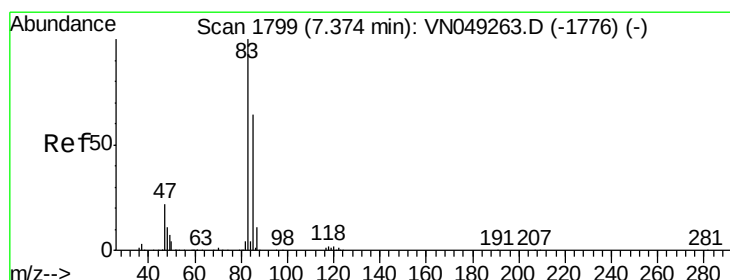
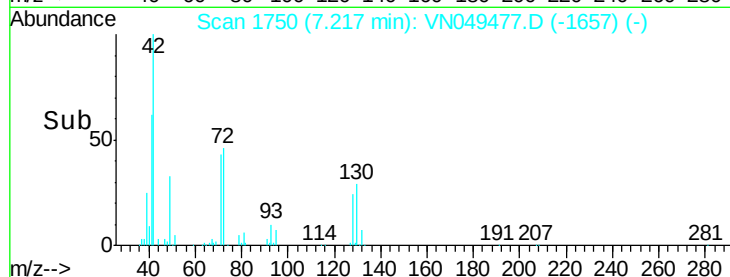
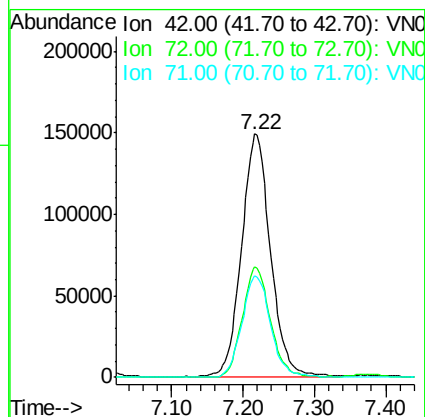
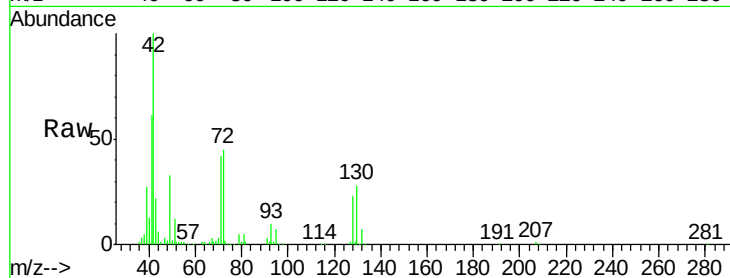
ClientSampleId :

VN0621MBSD01

Tot Ion:	42	Resp:	417926
Ion	Ratio	Lower	Upper
42	100		
72	43.9	32.2	48.4
71	41.7	30.5	45.7

Manual Integrations
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#30

Chloroform

Concen: 20.17 ug/l

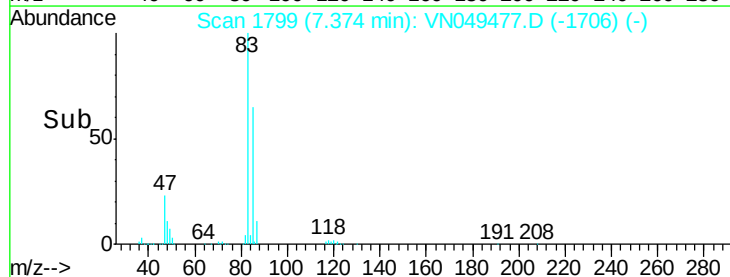
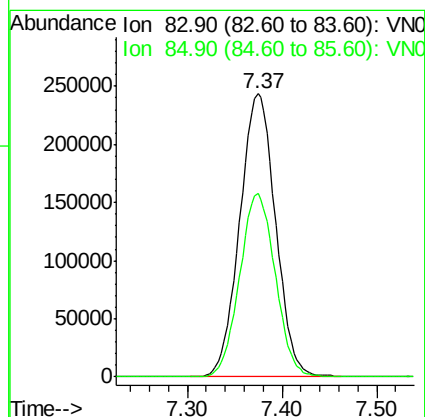
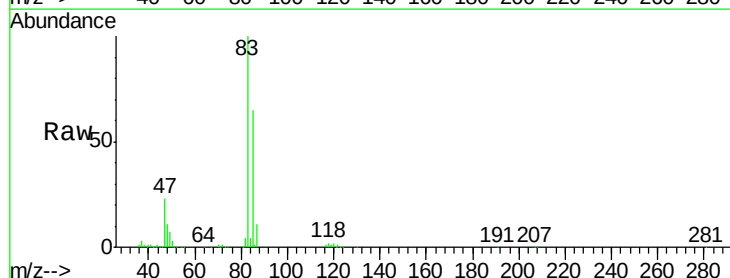
RT: 7.37 min Scan# 1799

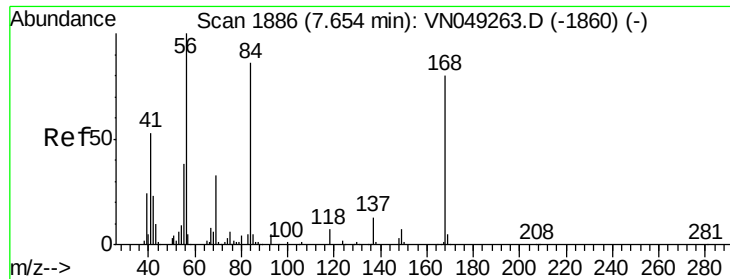
Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion:	83	Resp:	640788
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.7	77.5





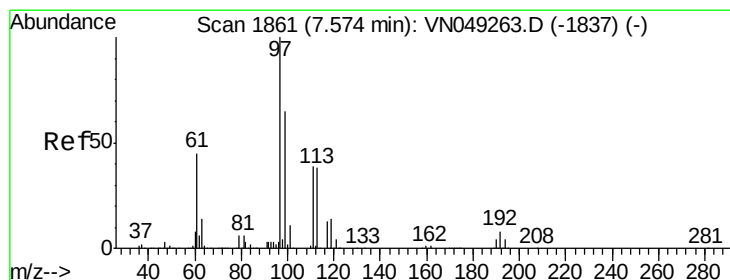
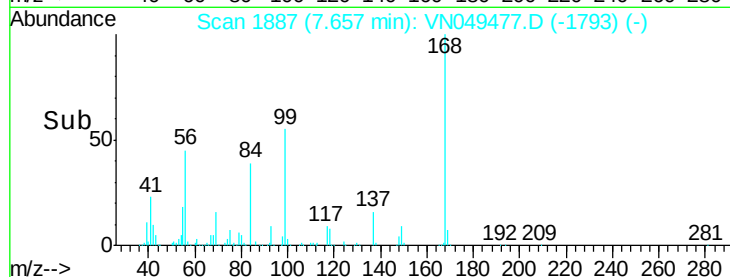
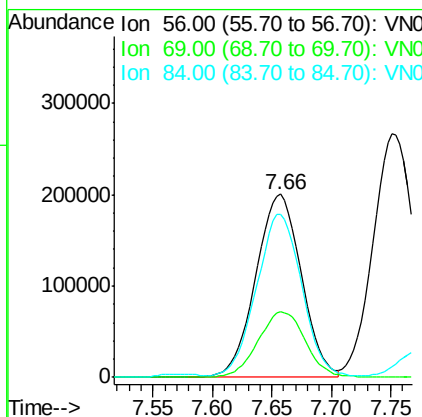
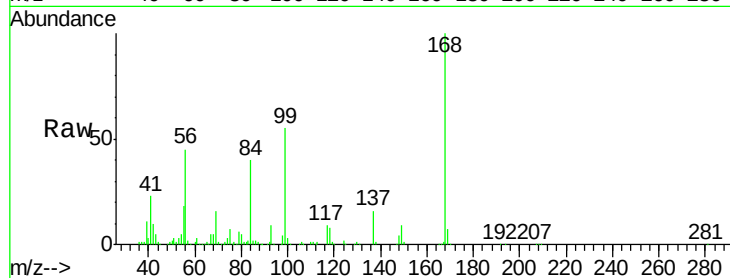
#31
Cyclohexane
Concen: 19.55 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampled :
VN0621MBSD01

Tot Ion	56	Resp	532033
Ion Ratio	Lower	Upper	
56	100		
69	35.6	25.0	37.4
84	87.6	64.6	96.8

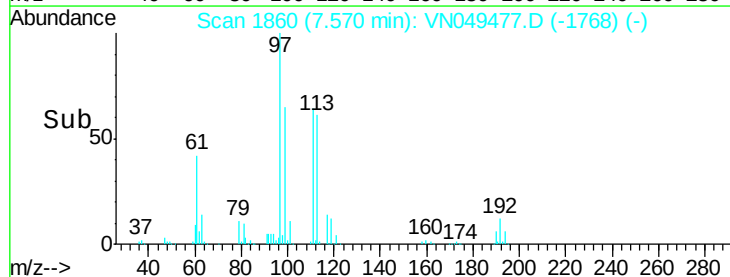
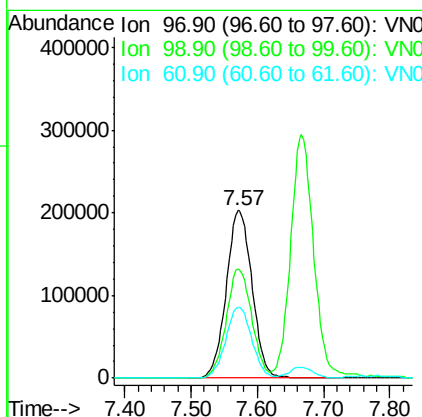
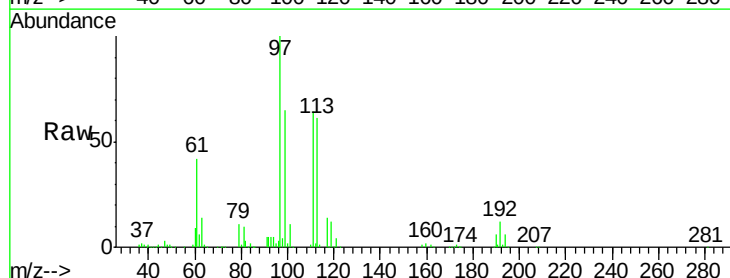
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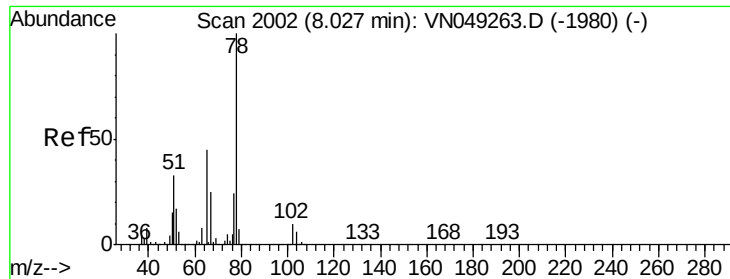
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#32
1,1,1-Trichloroethane
Concen: 20.19 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	97	Resp	547387
Ion Ratio	Lower	Upper	
97	100		
99	64.1	50.5	75.7
61	42.6	37.9	56.9





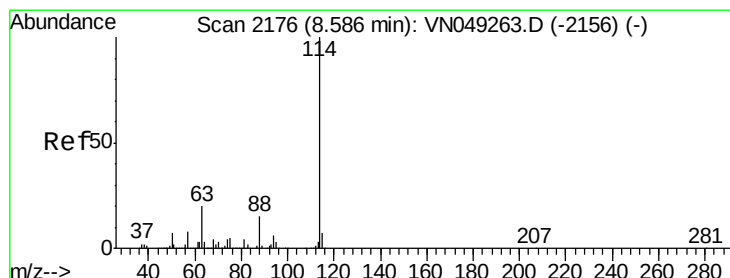
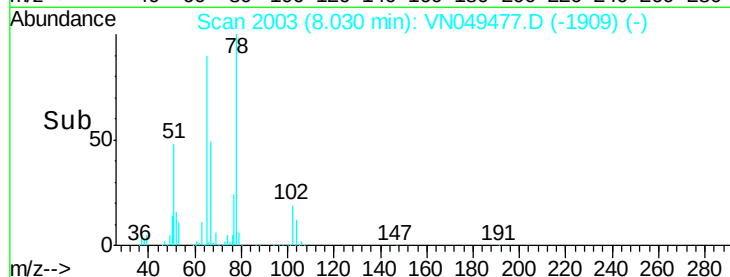
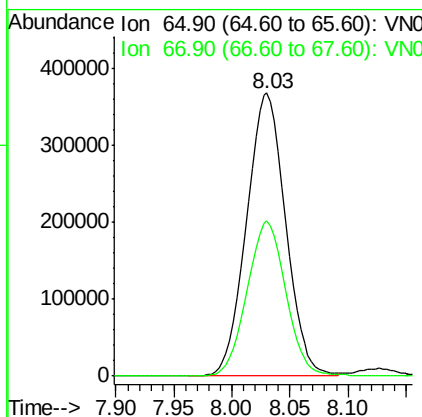
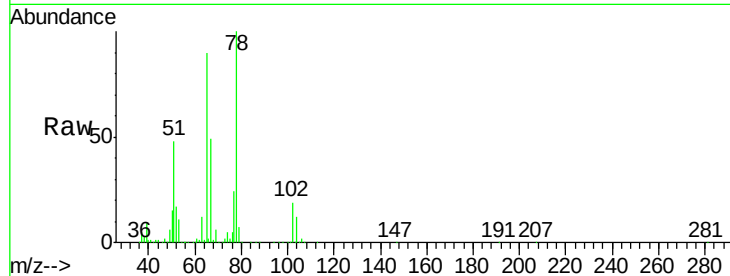
#33
 1,2-Dichloroethane-d4
 Concen: 47.20 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBSD01

Tot Ion: 65 Resp: 863599
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 103.8

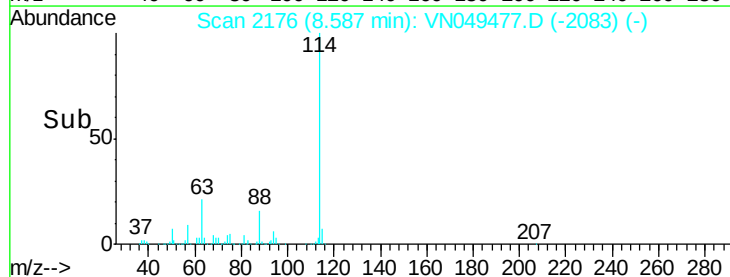
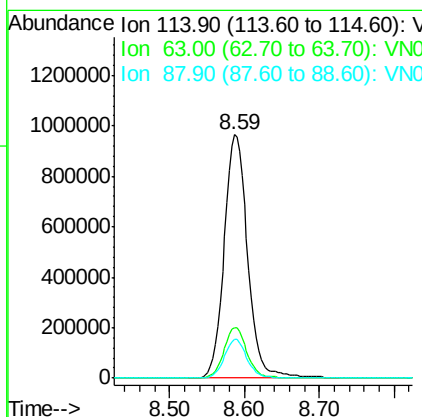
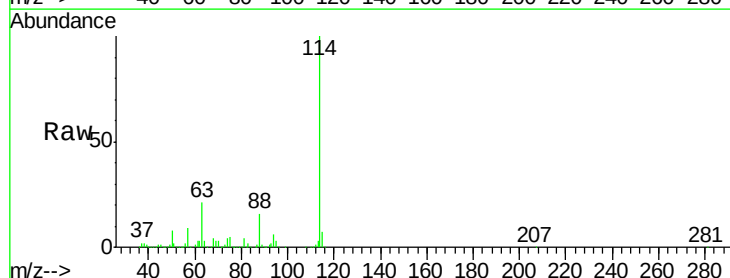
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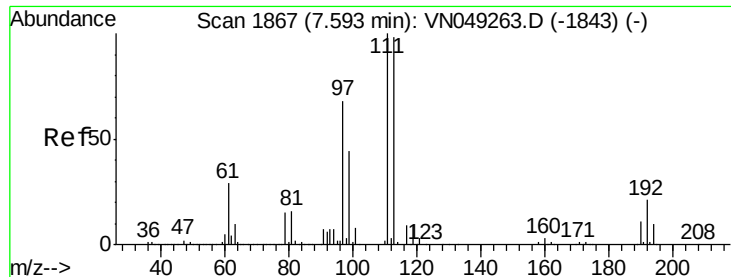
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Tgt Ion: 114 Resp: 2093513
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 44.4
 88 15.8 0.0 31.4





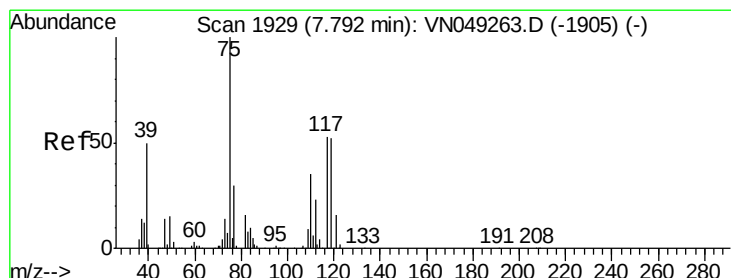
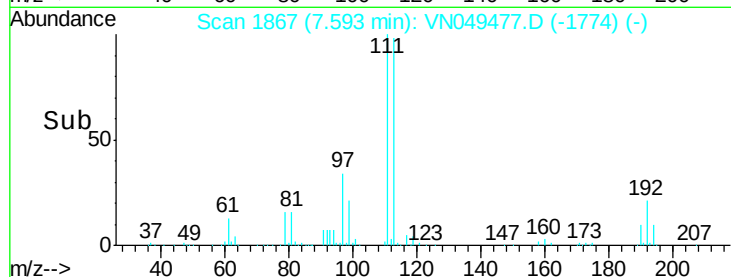
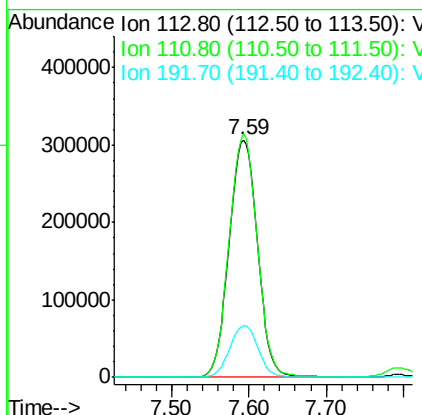
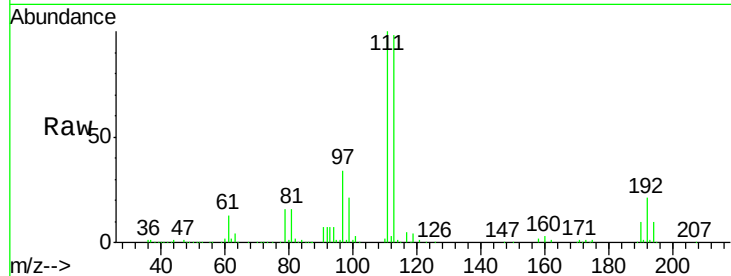
#35
Dibromofluoromethane
Concen: 46.03 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	779573		
111	100.8	82.4	123.6	
192	21.8	15.0	22.6	

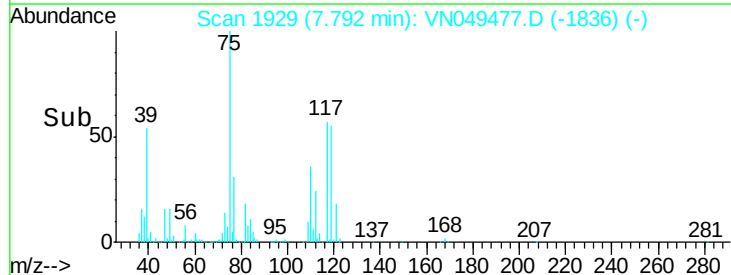
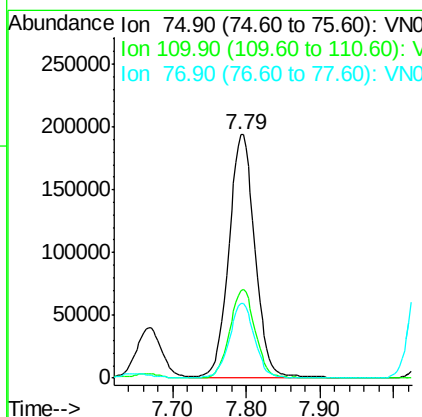
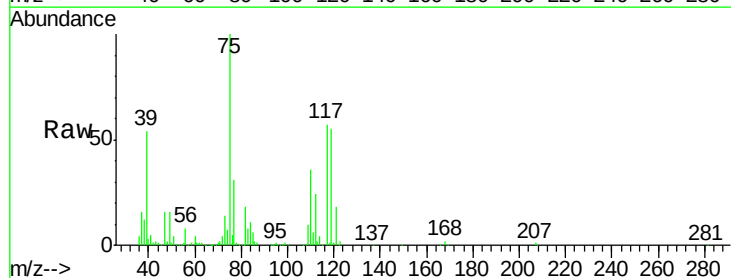
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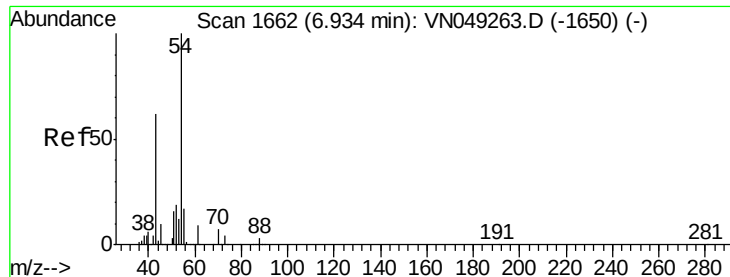
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#36
1,1-Dichloropropene
Concen: 19.85 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	476287		
110	35.2	17.0	50.9	
77	29.5	24.4	36.6	





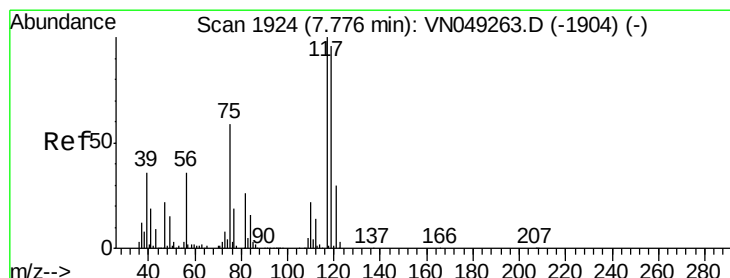
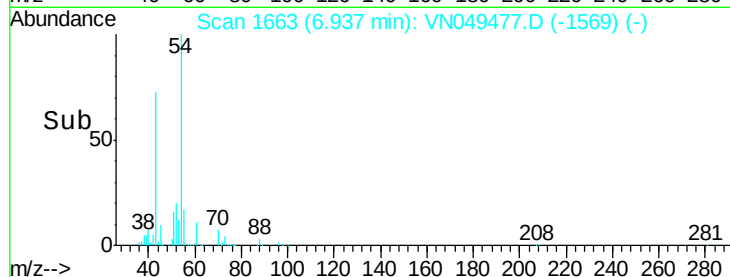
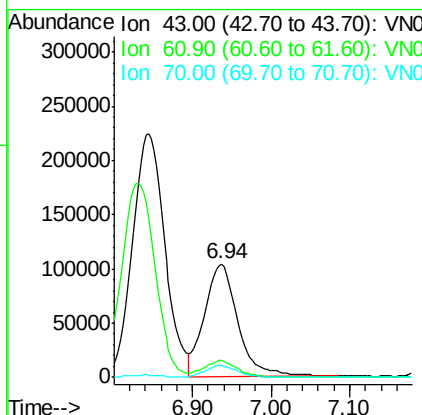
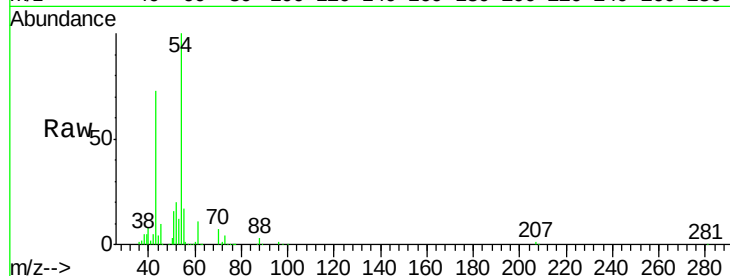
#37
Ethyl Acetate
Concen: 23.20 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.0	16.4
70	9.6	7.2	10.8

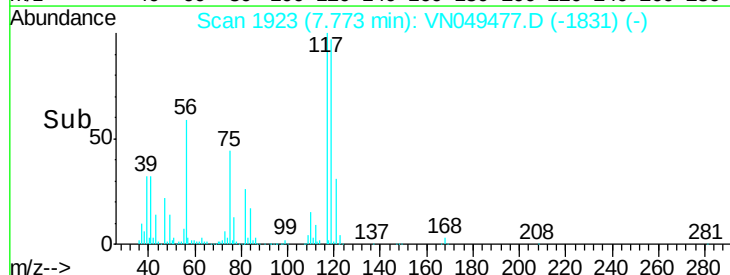
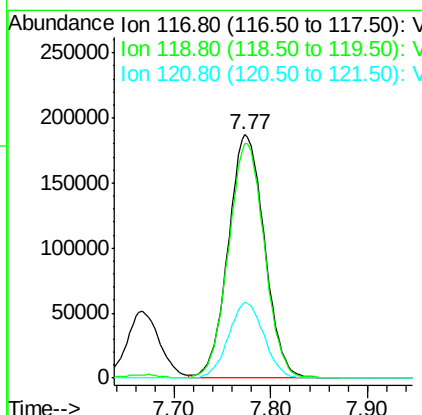
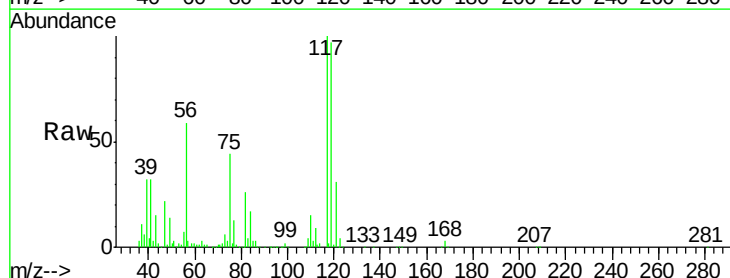
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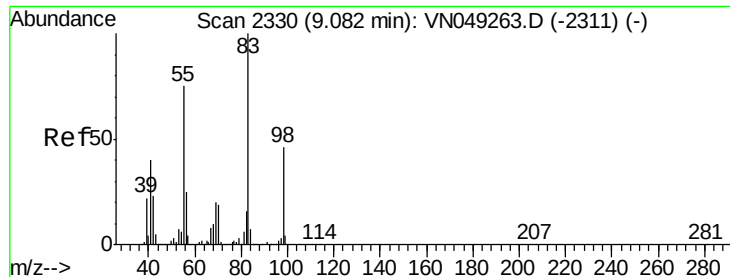
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#38
Carbon Tetrachloride
Concen: 19.46 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.6	113.4
121	31.3	24.7	37.1





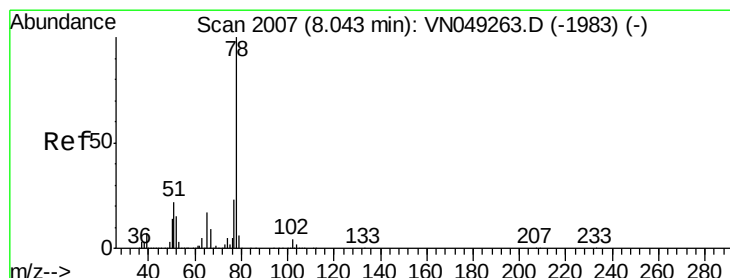
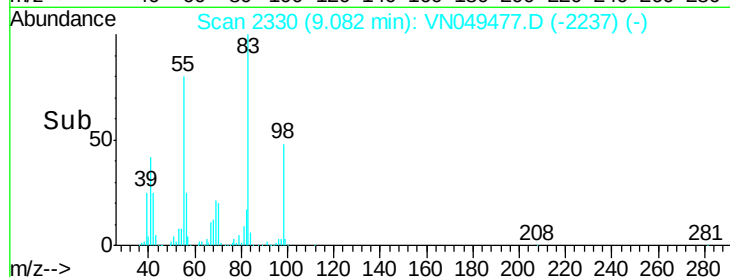
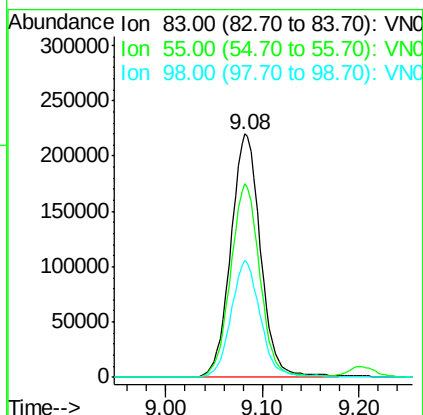
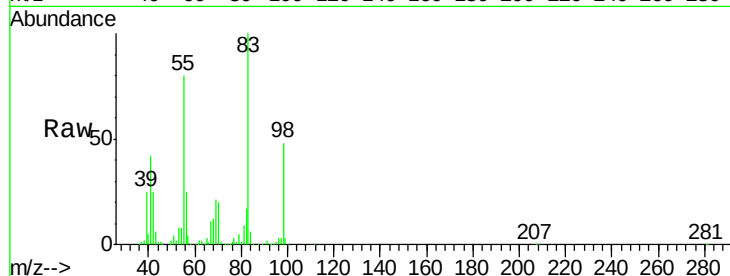
#39
Methylvlcyclohexane
Concen: 18.23 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	65.1	97.7
98	48.1	36.5	54.7

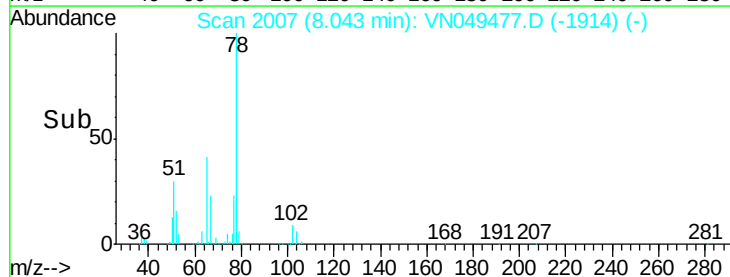
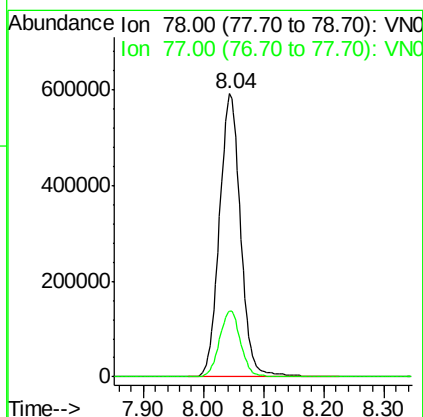
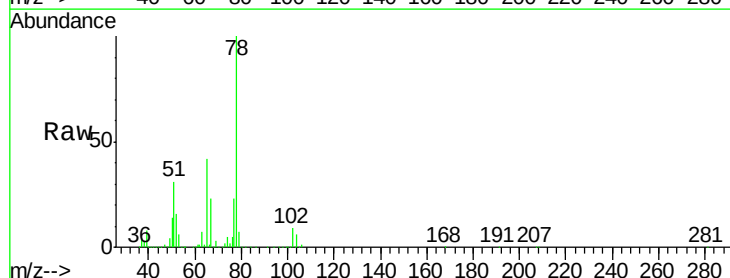
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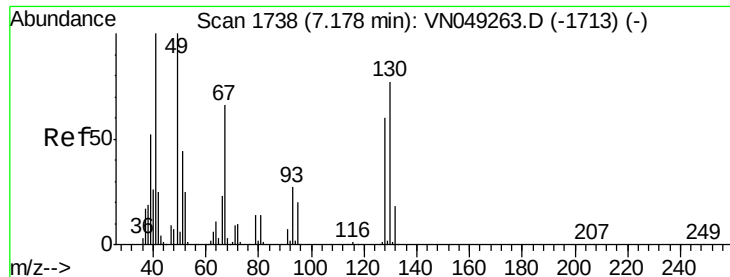
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#40
Benzene
Concen: 19.48 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.4	29.0





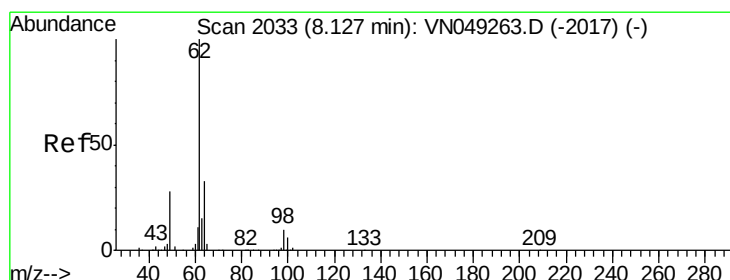
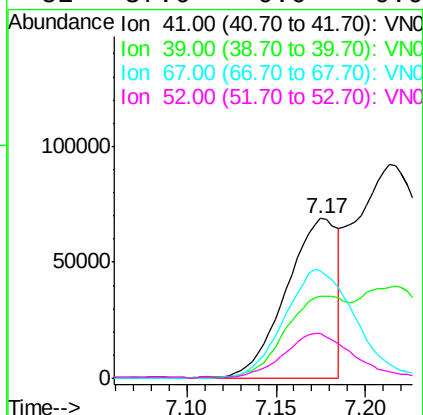
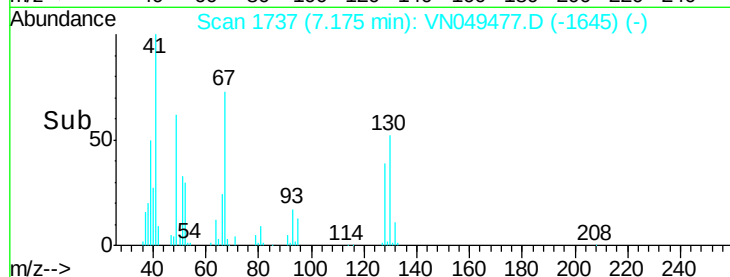
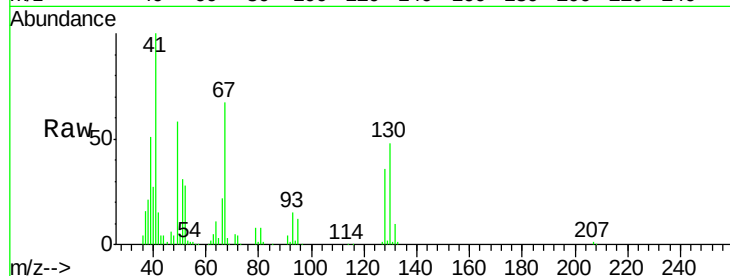
#41
Methacrylonitrile
Concen: 19.34 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	61.5	0.0	0.0#
67	97.3	0.0	0.0#
52	37.6	0.0	0.0#

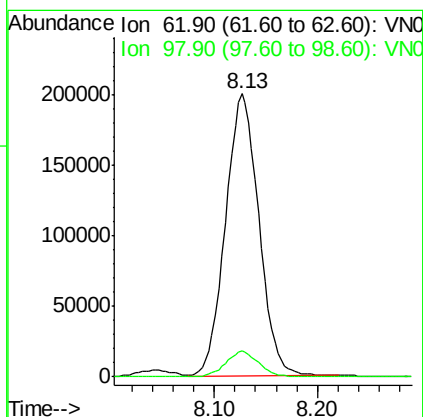
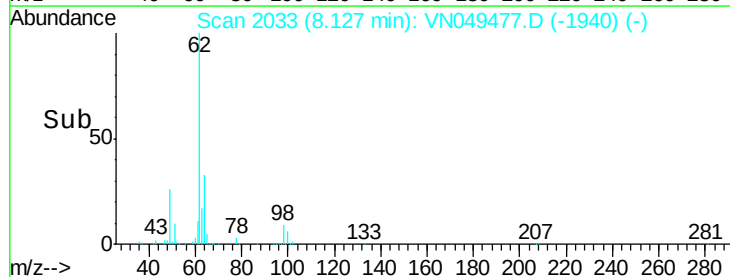
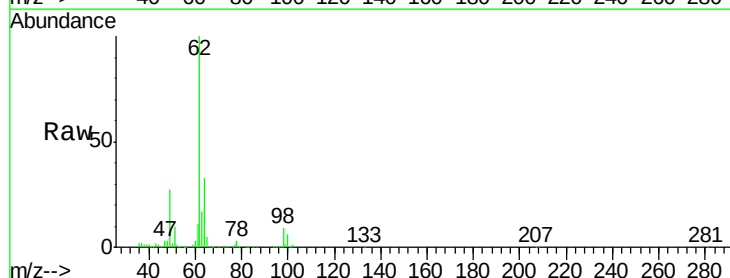
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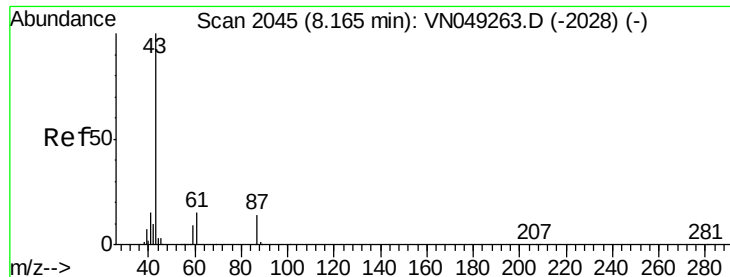
apatel
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#42
1,2-Dichloroethane
Concen: 19.84 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 23.76 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

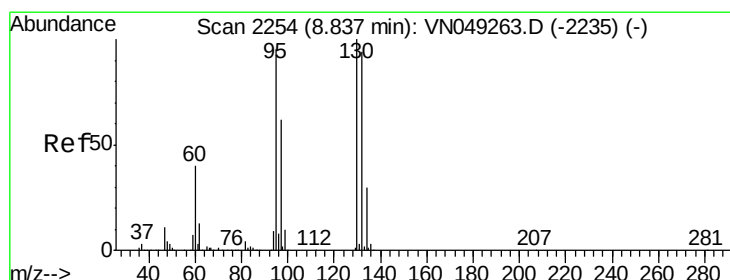
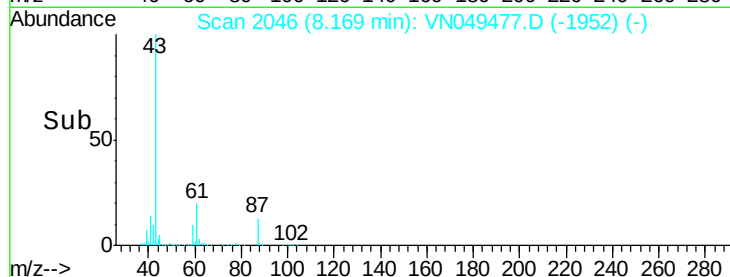
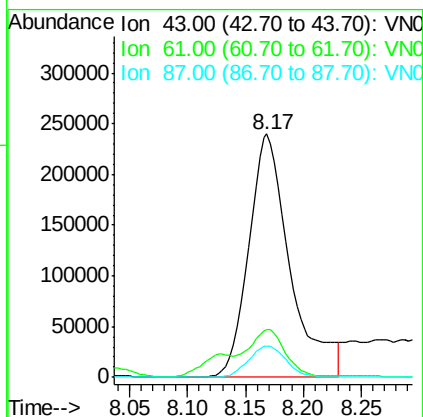
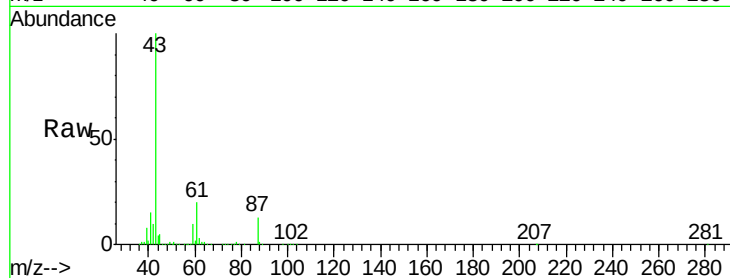
ClientSampleId :

VN0621MBSD01

Tot Ion:	43	Resp:	592045
Ion	Ratio	Lower	Upper
43	100		
61	16.7	14.2	21.4
87	11.7	9.4	14.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.80 ug/l

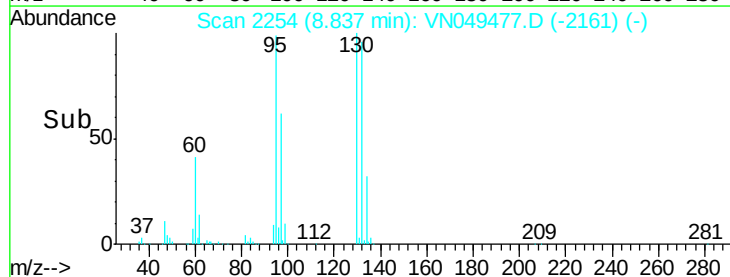
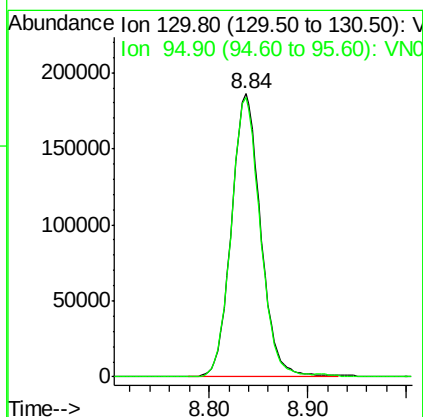
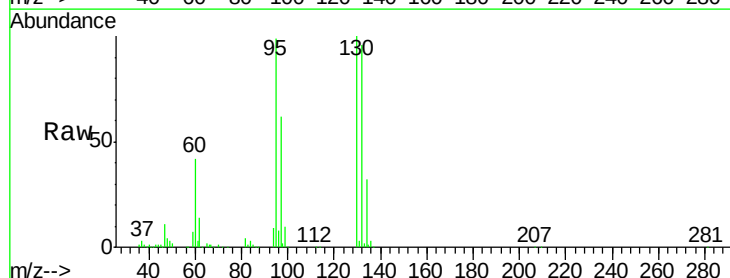
RT: 8.84 min Scan# 2254

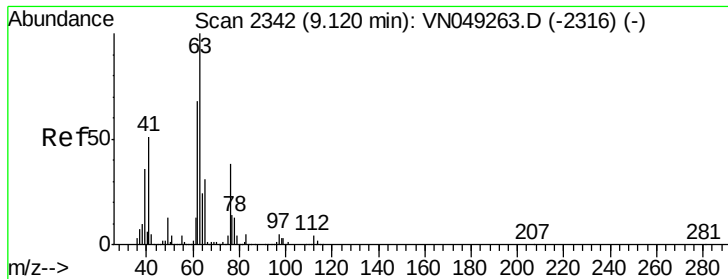
Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion:	130	Resp:	384543
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	208.6





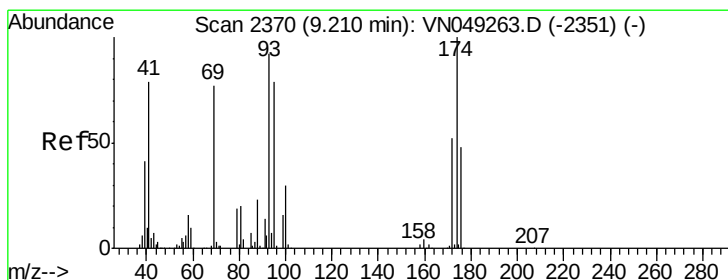
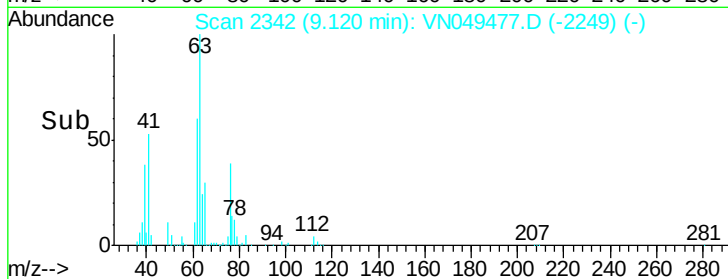
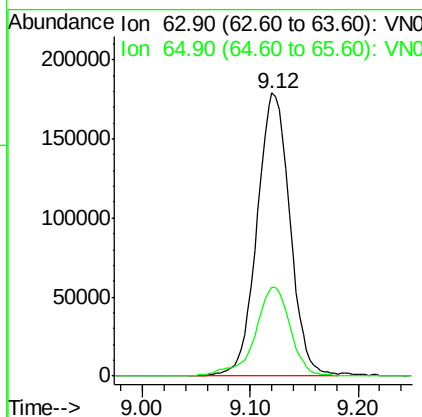
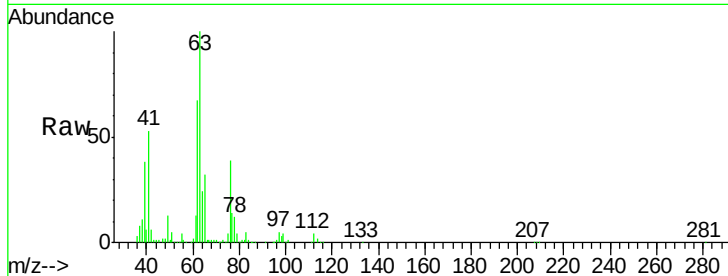
#45
 1,2-Dichloropropane
 Concen: 19.71 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.8	37.2

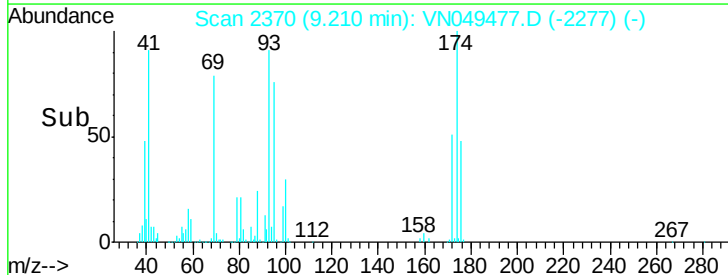
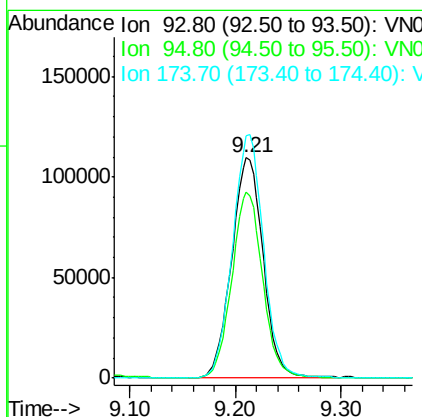
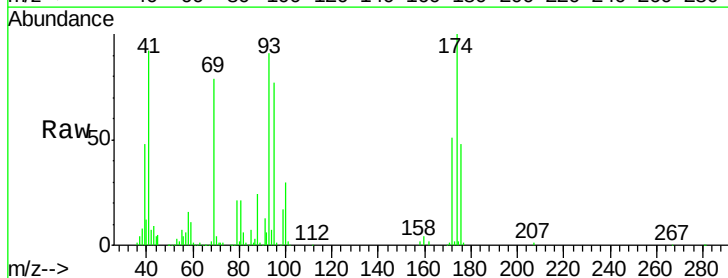
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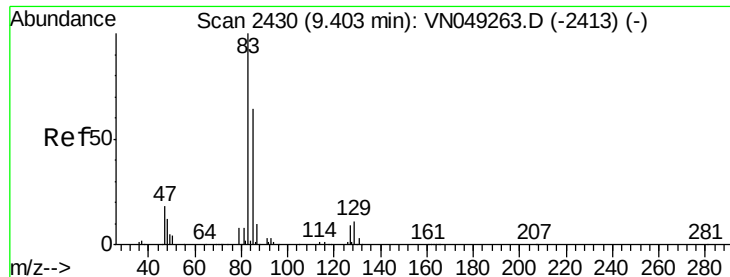
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#46
 Dibromomethane
 Concen: 20.41 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.6	67.2	100.8
174	108.1	75.6	113.4





#47

Bromodichloromethane

Concen: 19.47 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

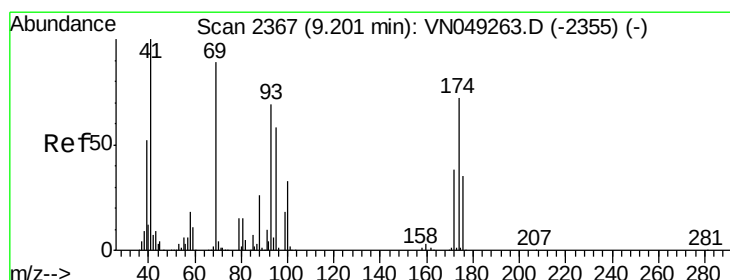
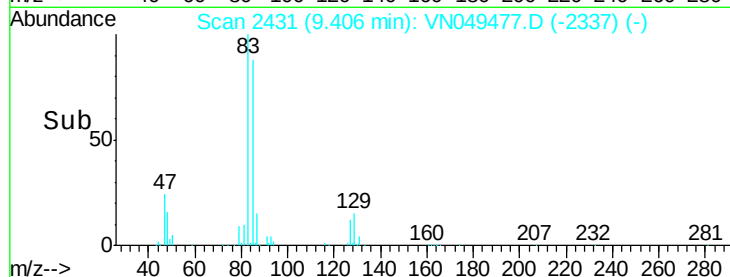
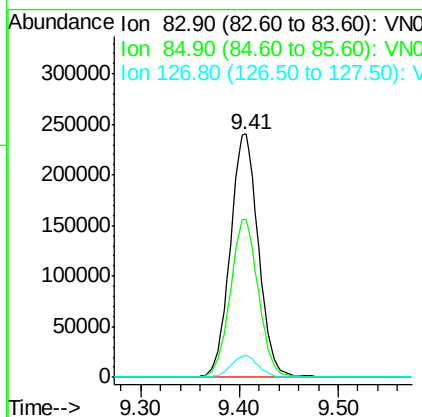
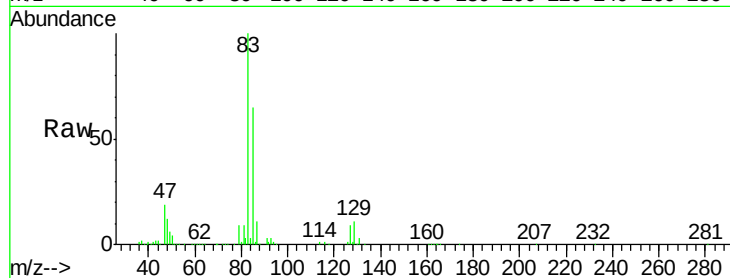
ClientSampleId :

VN0621MBSD01

Tot Ion:	83	Resp:	477947
Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.4	74.0
127	9.0	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.42 ug/l

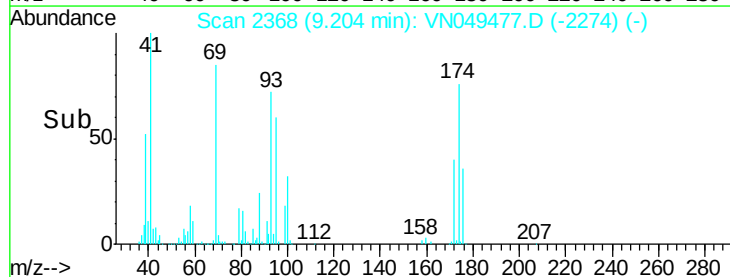
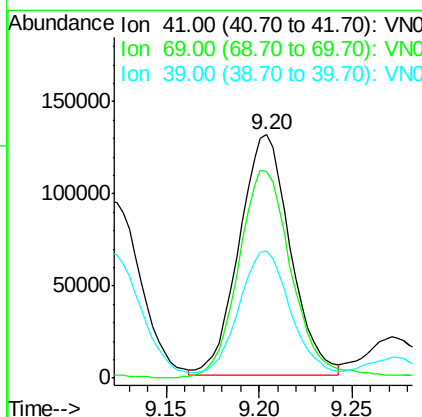
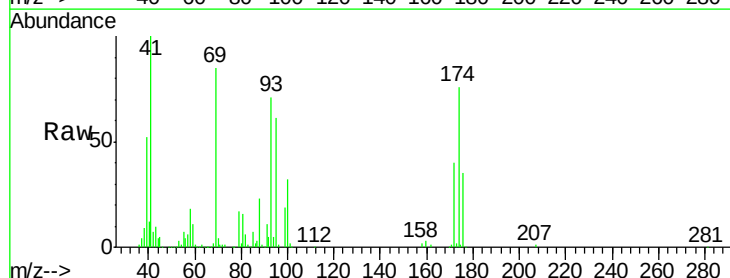
RT: 9.20 min Scan# 2368

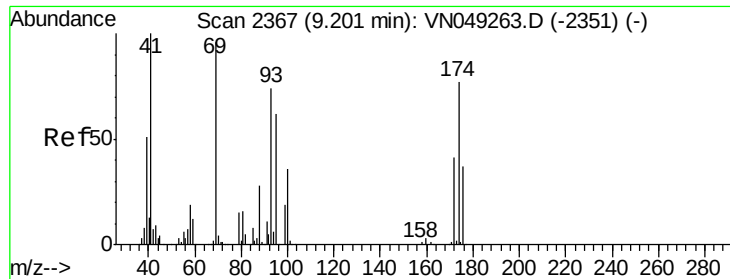
Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion:	41	Resp:	251337
Ion	Ratio	Lower	Upper
41	100		
69	89.9	62.0	93.0
39	53.8	50.6	75.8





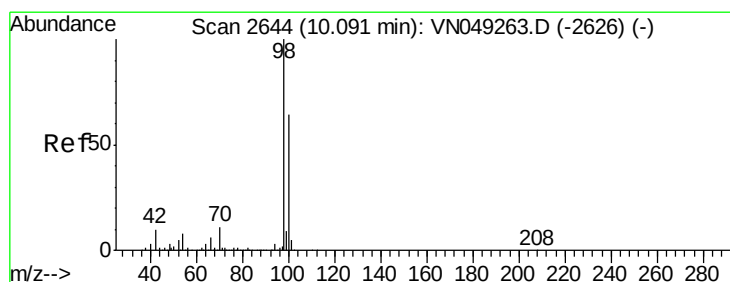
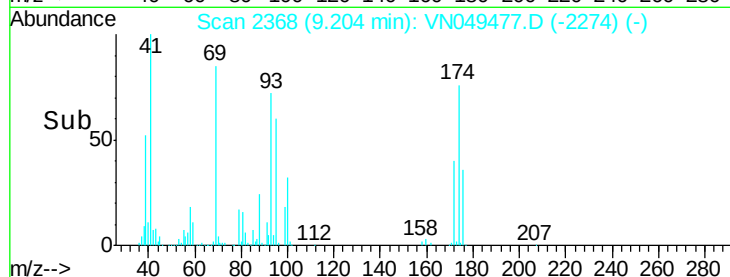
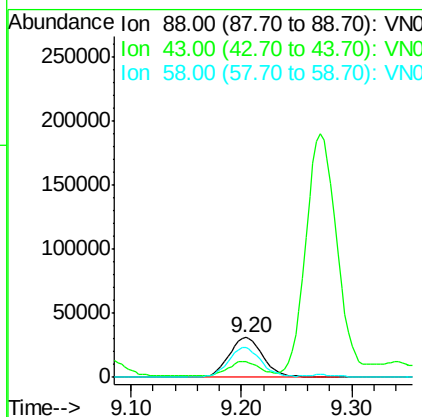
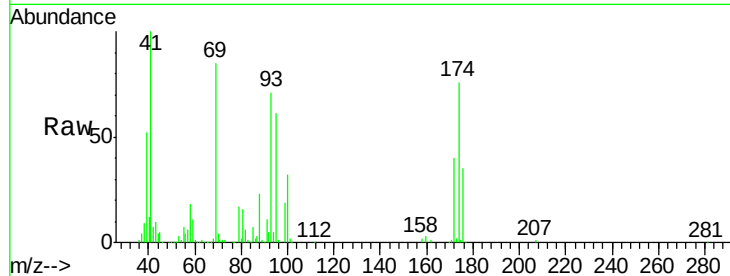
#49
1,4-Dioxane
Concen: 416.67 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	88	Resp	67493
Ion Ratio	Lower	Upper	
88	100		
43	33.6	30.9	46.3
58	71.6	58.9	88.3

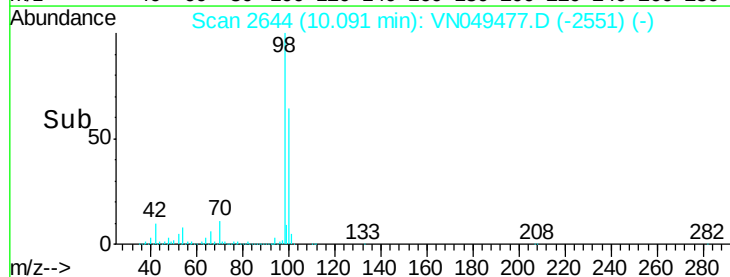
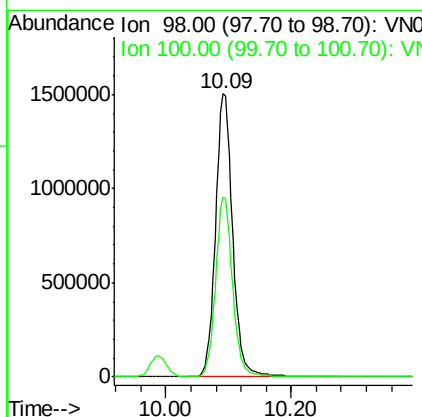
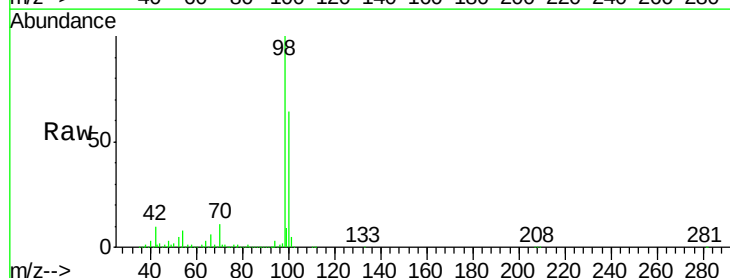
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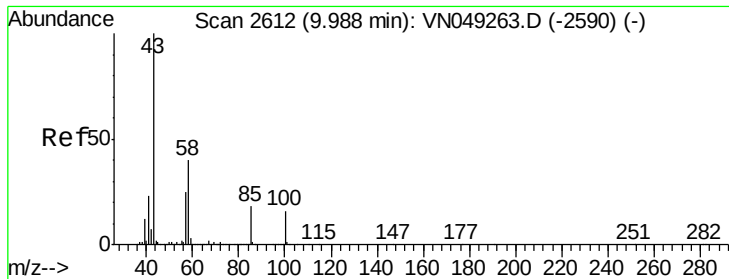
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#50
Toluene-d8
Concen: 44.06 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	98	Resp	2841203
Ion Ratio	Lower	Upper	
98	100		
100	63.1	49.8	74.8





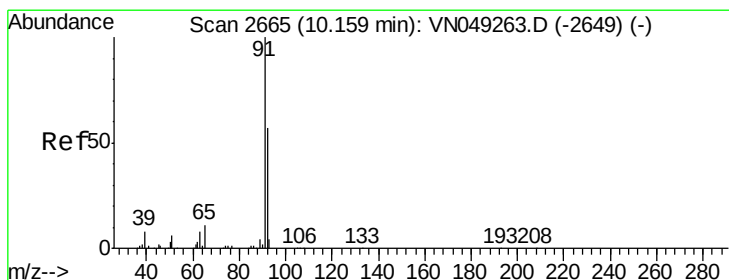
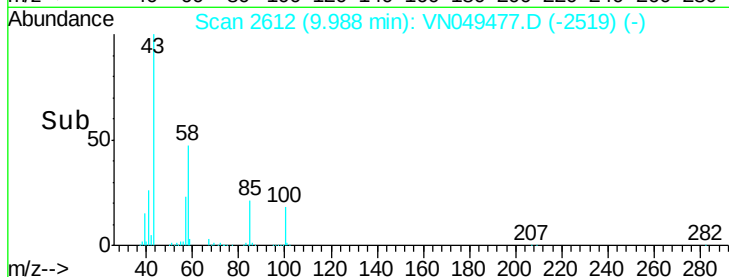
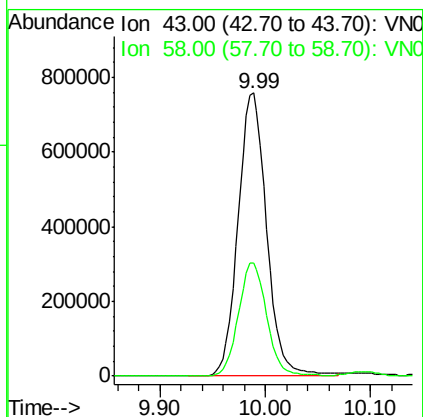
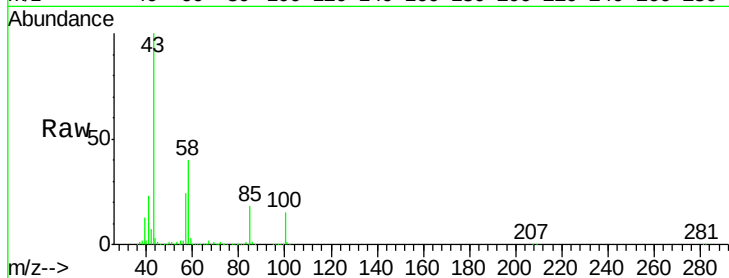
#51
4-Methyl-2-Pentanone
Concen: 108.75 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion: 43 Resp: 1420547
Ion Ratio Lower Upper
43 100
58 39.7 29.0 43.6

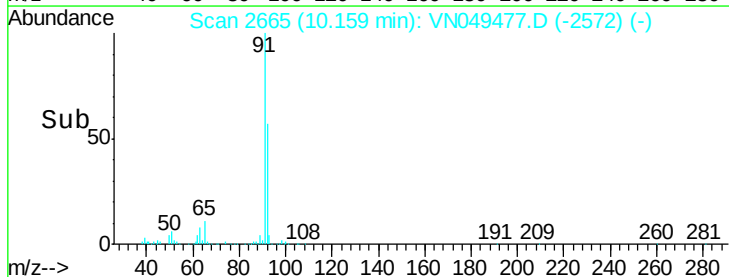
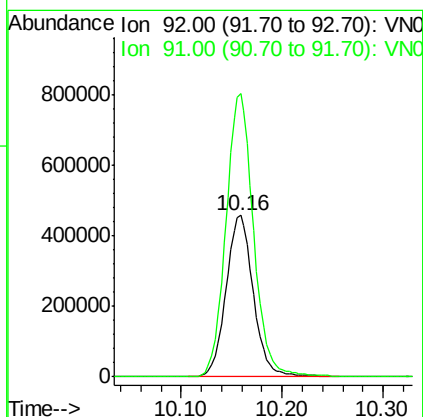
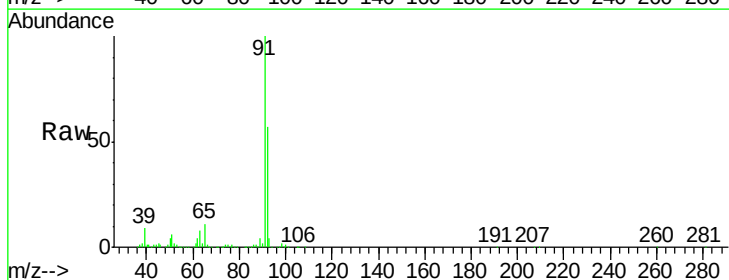
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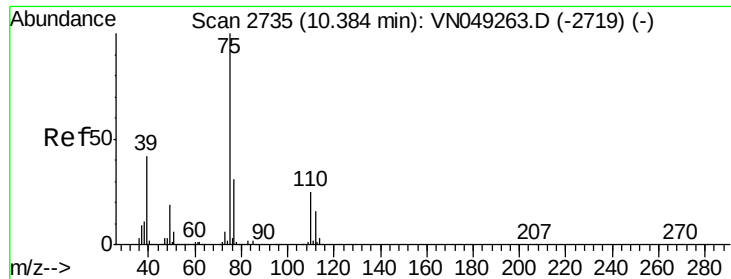
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#52
Toluene
Concen: 20.03 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion: 92 Resp: 864635
Ion Ratio Lower Upper
92 100
91 177.9 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 19.37 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampled :

VN0621MBSD01

Tot Ion: 75 Resp: 454705

Ion Ratio Lower Upper

75 100

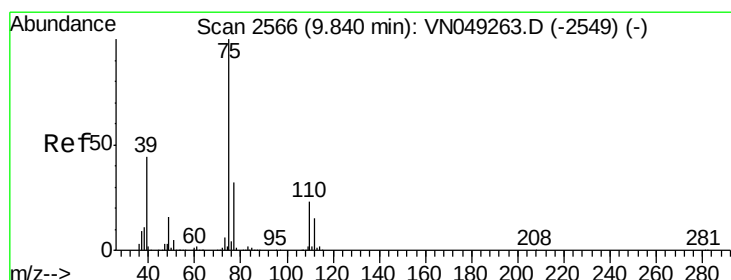
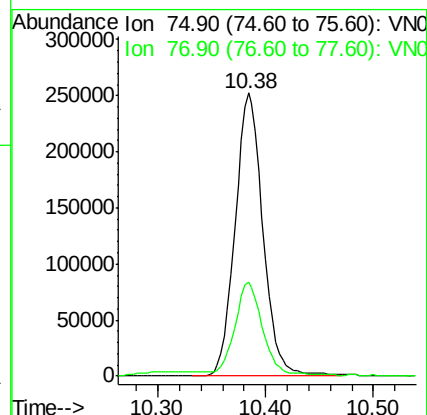
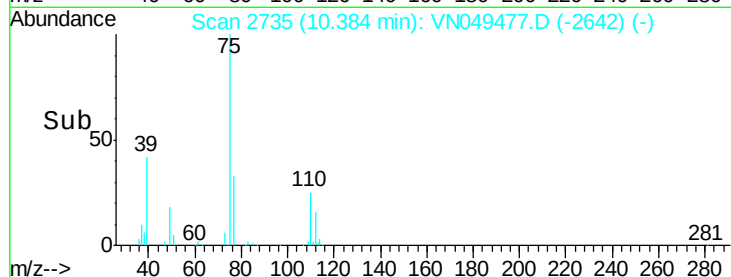
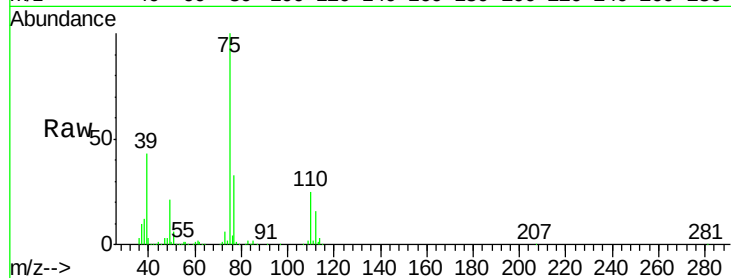
77 32.9 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.29 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

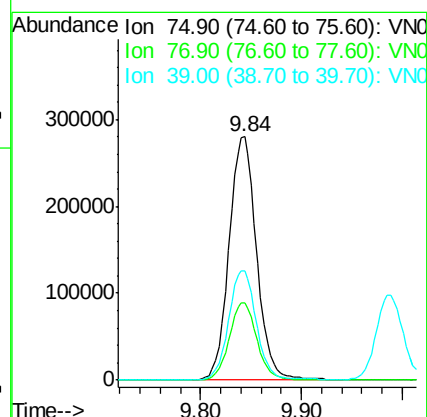
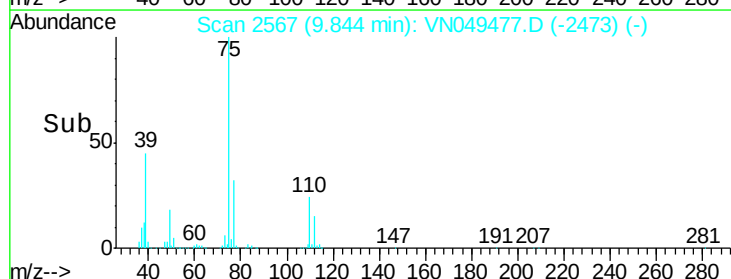
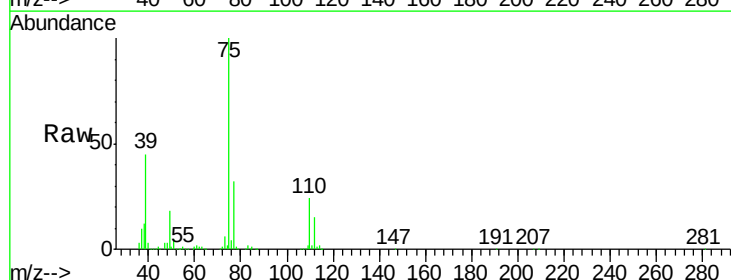
Tgt Ion: 75 Resp: 534778

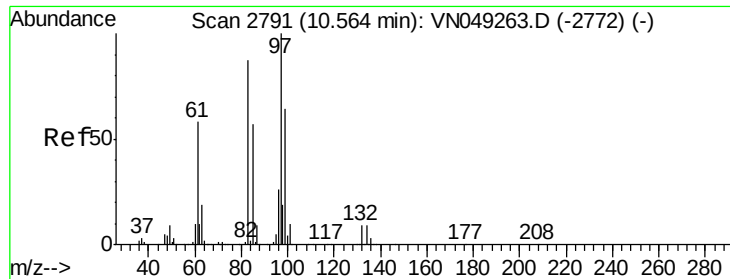
Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 44.5 45.1 67.7#





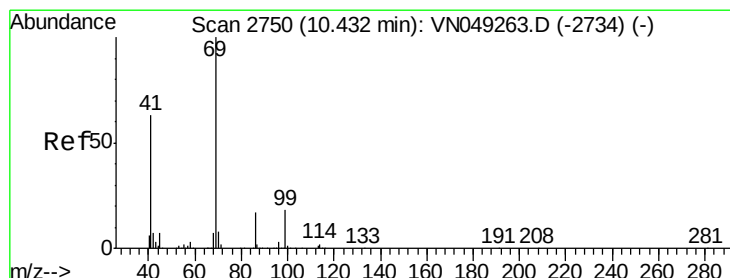
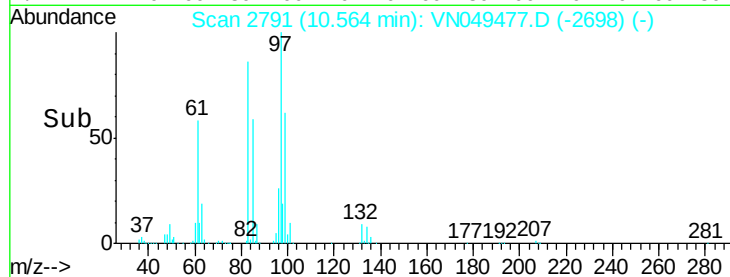
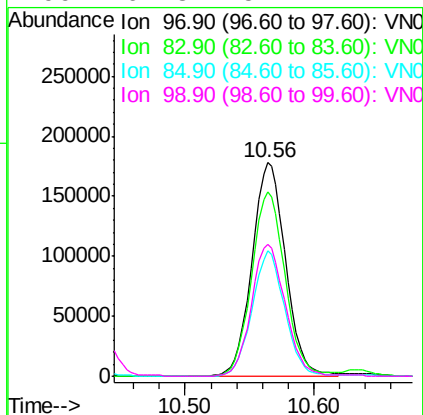
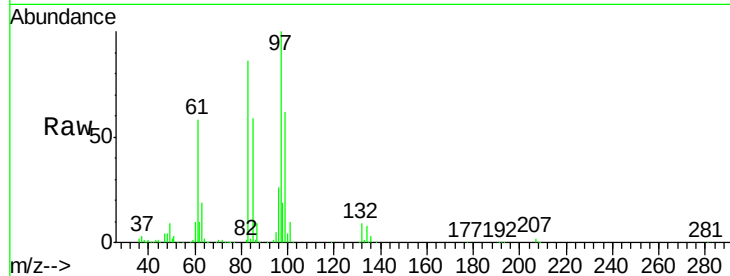
#55
 1,1,2-Trichloroethane
 Concen: 20.11 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBSD01

Tot Ion:	97	Resp:	323671
Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.5	107.3
85	58.7	47.0	70.4
99	61.8	51.4	77.2

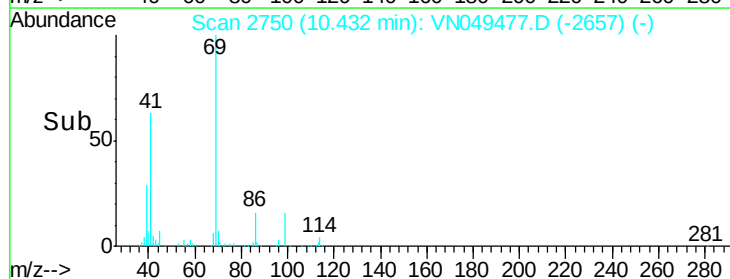
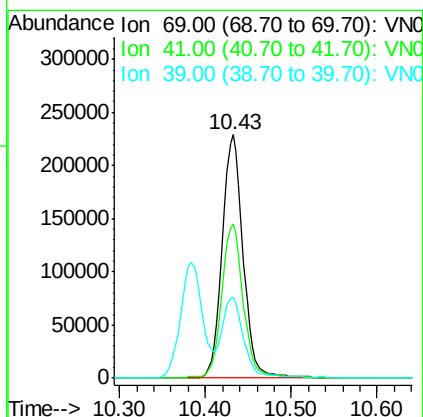
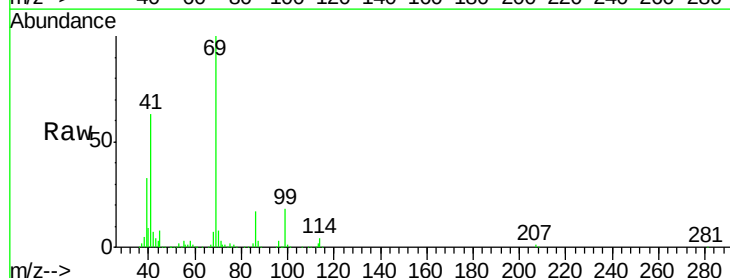
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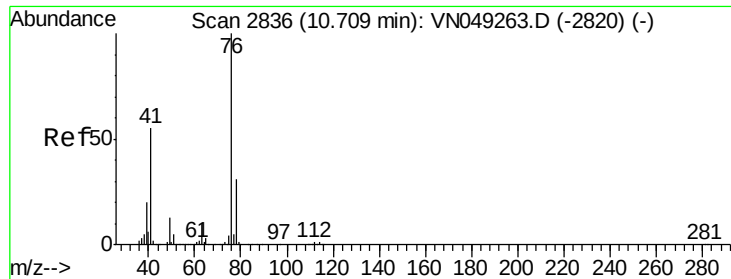
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#56
 Ethyl methacrylate
 Concen: 20.85 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Tgt Ion:	69	Resp:	387195
Ion	Ratio	Lower	Upper
69	100		
41	63.0	58.4	87.6
39	33.5	35.5	53.3#





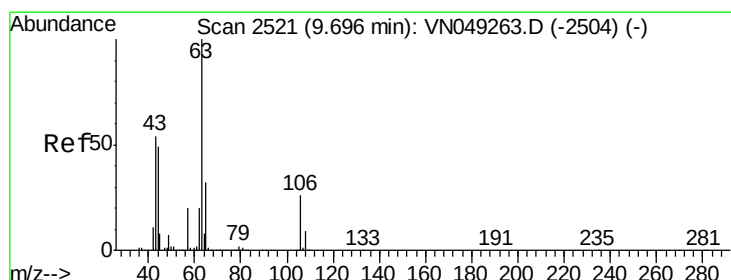
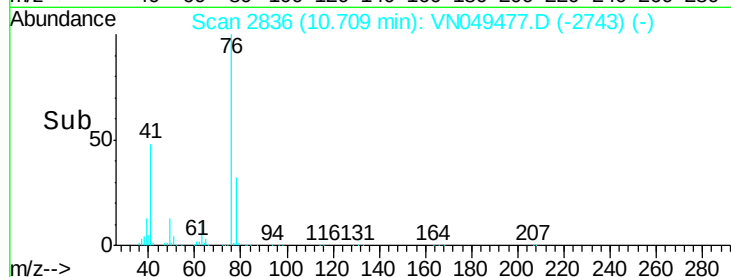
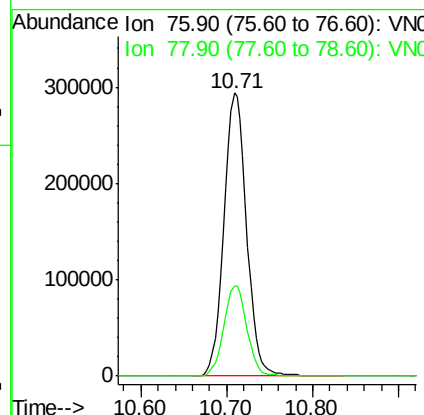
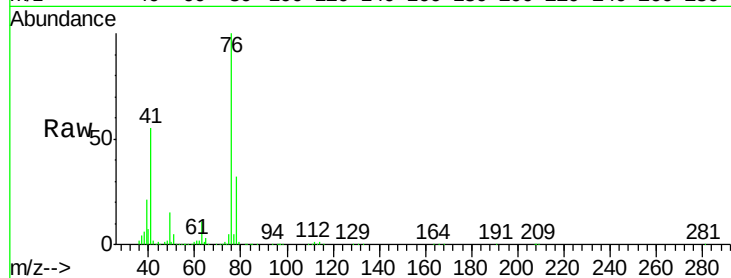
#57
 1,3-Dichloropropane
 Concen: 20.18 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampled :
 VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

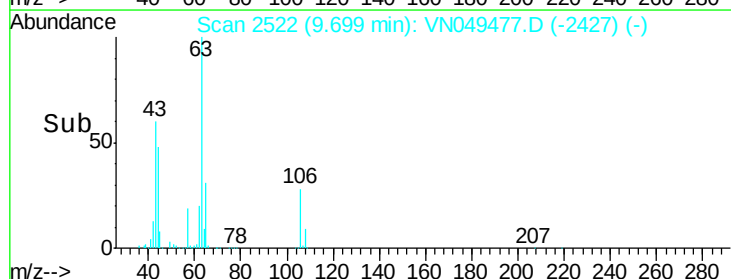
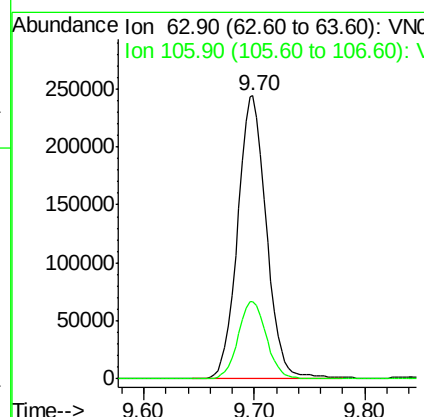
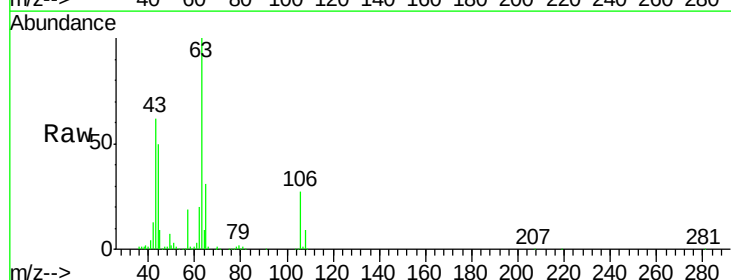
Manual Integrations
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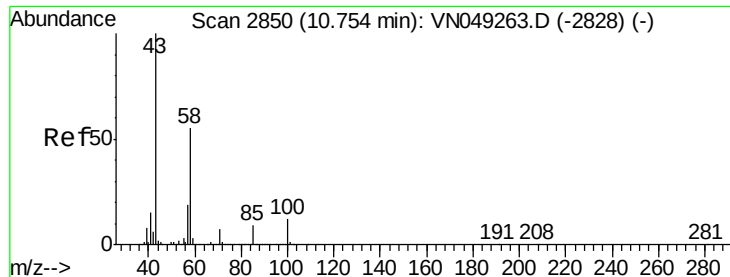
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#58
 2-Chloroethyl Vinyl ether
 Concen: 76.93 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	19.4	29.2





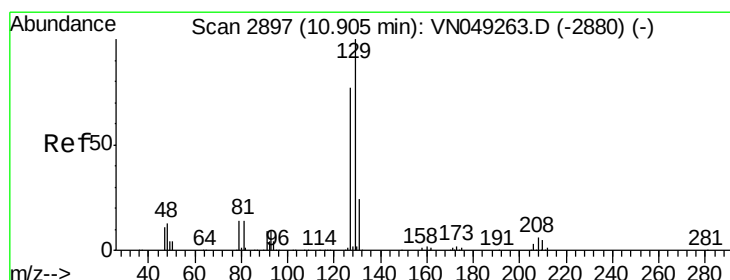
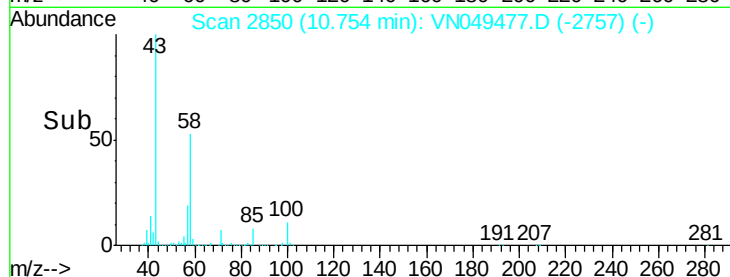
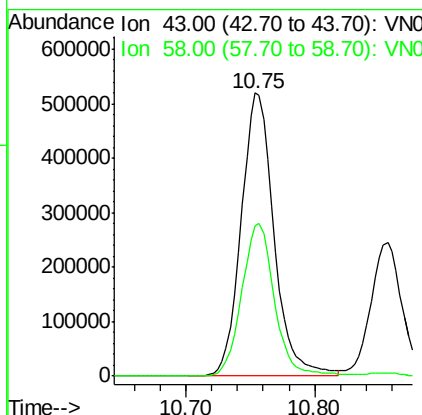
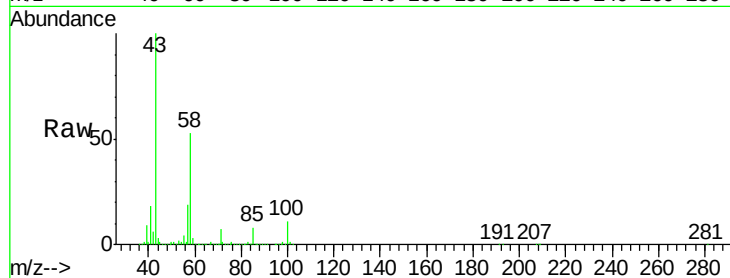
#59
2-Hexanone
Concen: 109.00 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	43	Resp	917911
Ion	Ratio	Lower	Upper
43	100		
58	54.1	25.2	75.6

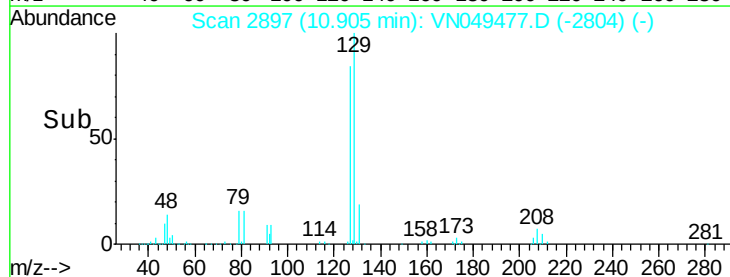
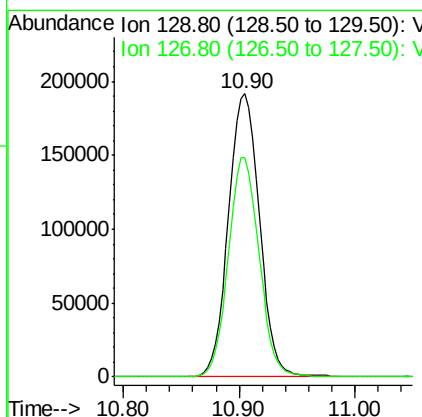
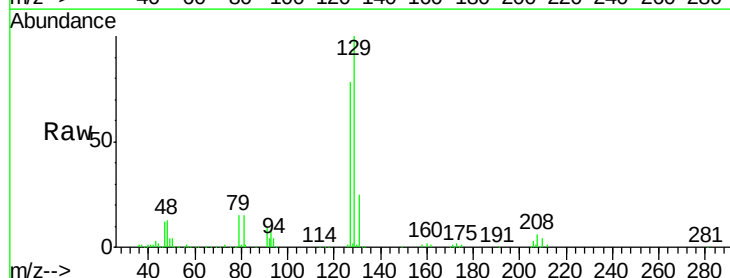
Manual Integrations
APPROVED

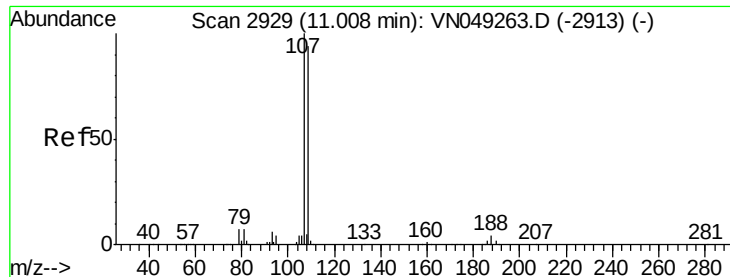
apatel
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#60
Dibromochloromethane
Concen: 19.88 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	129	Resp	357180
Ion	Ratio	Lower	Upper
129	100		
127	76.6	39.1	117.2





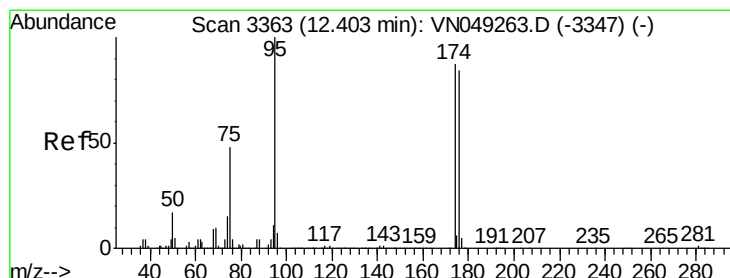
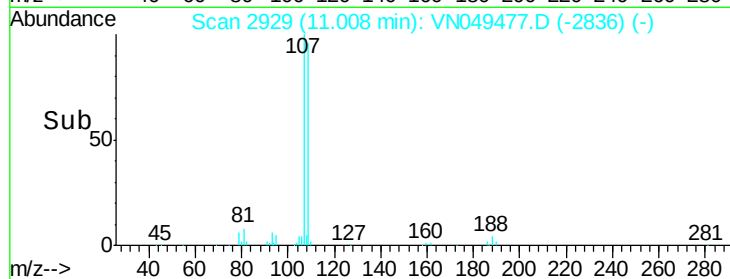
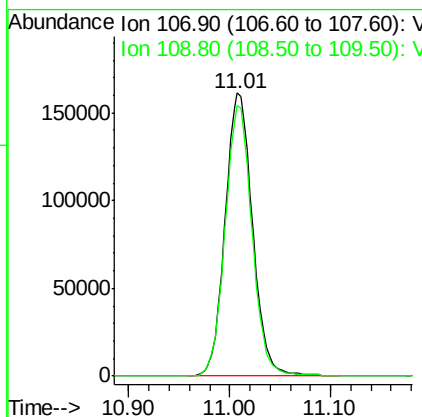
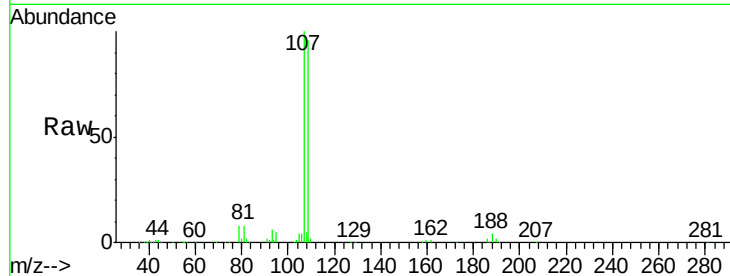
#61
 1,2-Dibromoethane
 Concen: 20.49 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBSD01

Tot Ion: 107 Resp: 306543
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.4 113.2

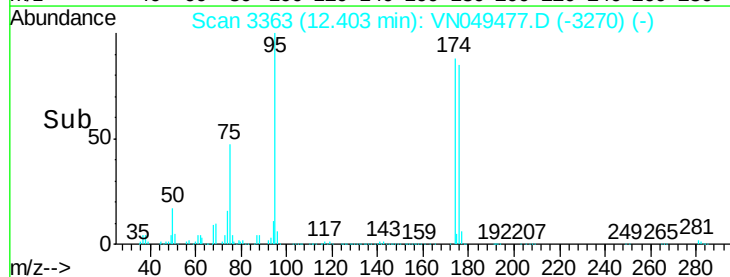
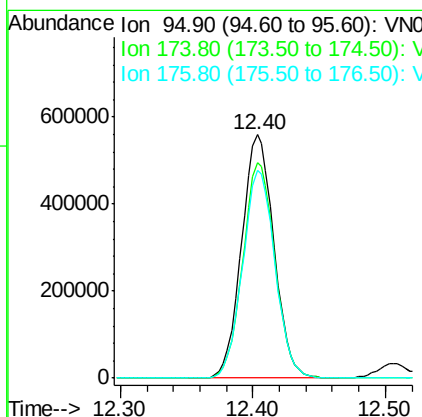
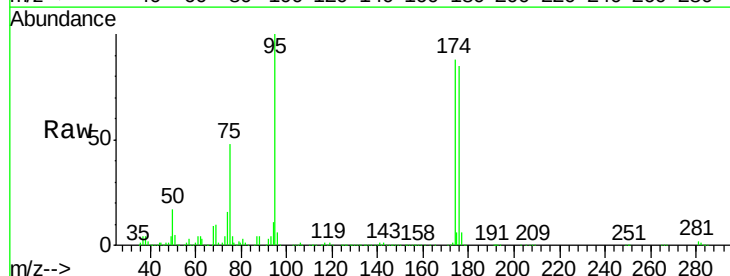
Manual Integrations
 APPROVED

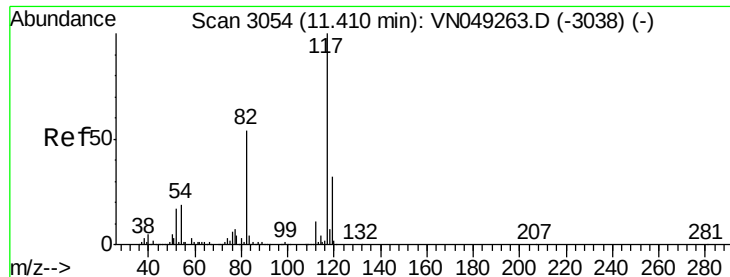
apatel
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#62
 4-Bromofluorobenzene
 Concen: 44.37 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Tgt Ion: 95 Resp: 946067
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 165.6
 176 85.5 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBSD01

Tot Ion:117 Resp: 1879102

Ion Ratio Lower Upper

117 100

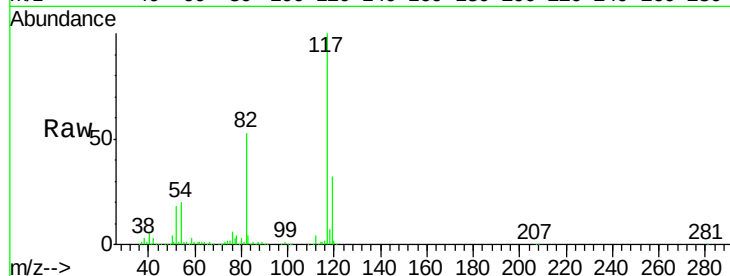
82 53.4 45.9 68.9

119 32.2 25.5 38.3

Manual Integrations
APPROVED

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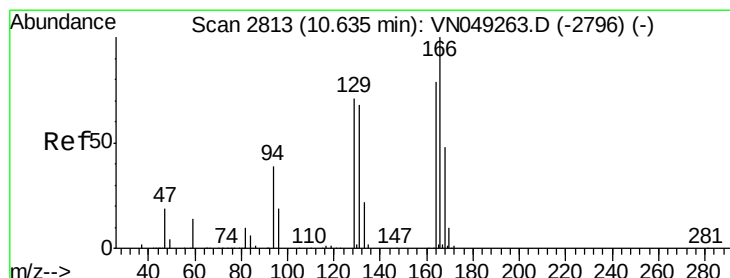
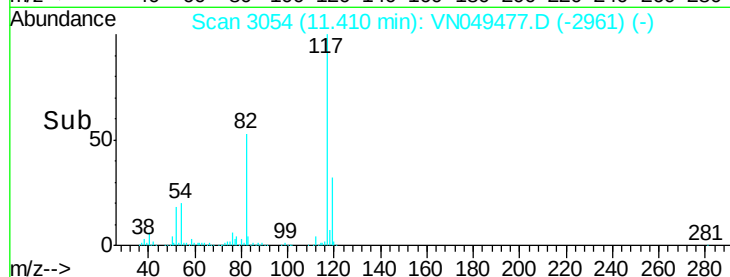
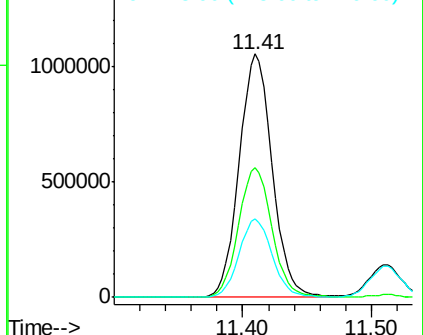
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 22.22 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion:164 Resp: 427848

Ion Ratio Lower Upper

164 100

166 127.2 101.4 152.2

129 89.2 74.1 111.1

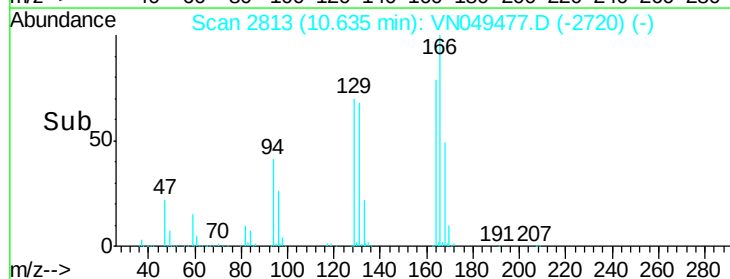
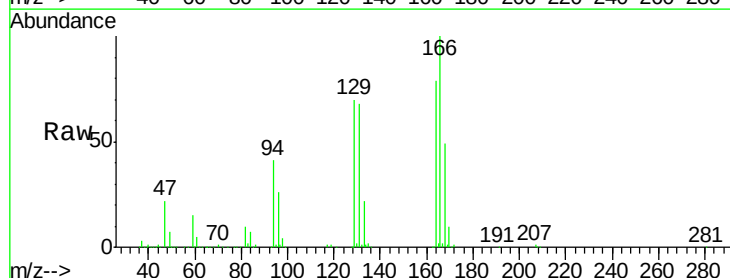
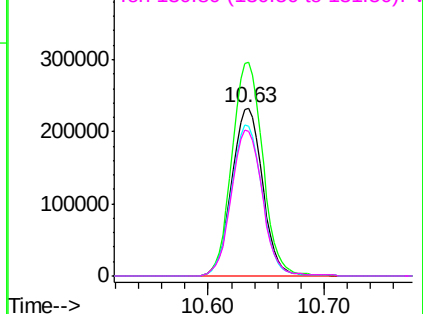
131 86.4 73.7 110.5

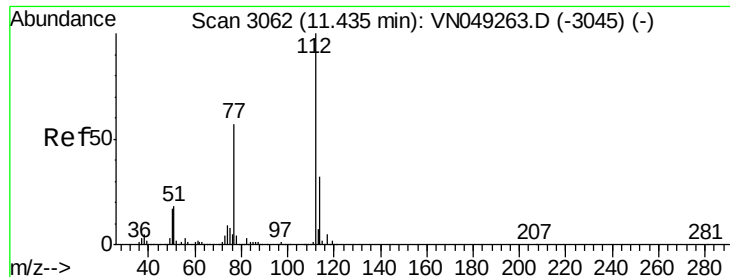
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.41 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBSD01

Tot Ion:112 Resp: 939600

Ion Ratio Lower Upper

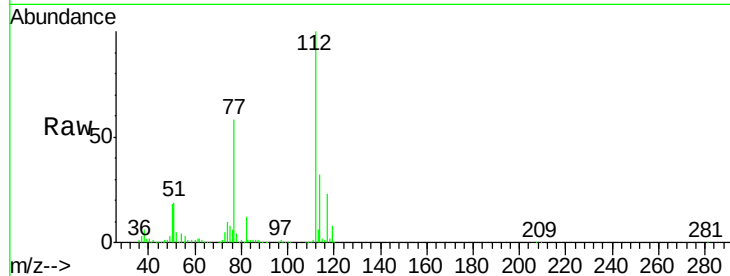
112 100

114 32.4 26.2 39.4

Manual Integrations
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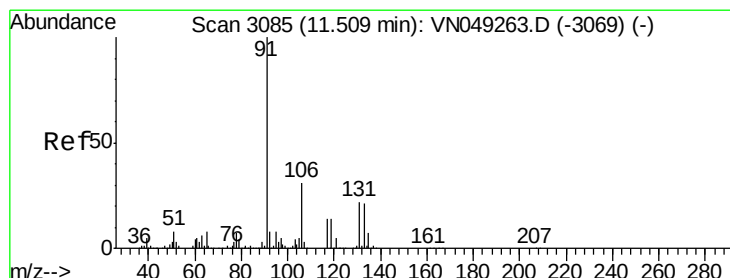
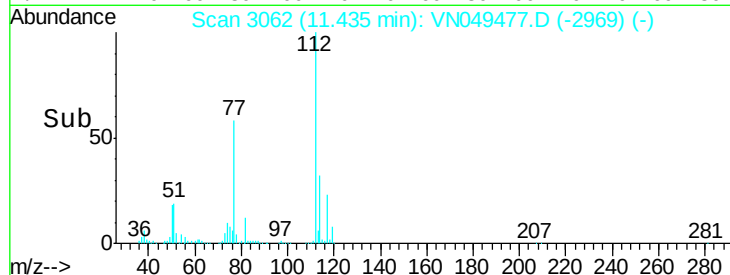
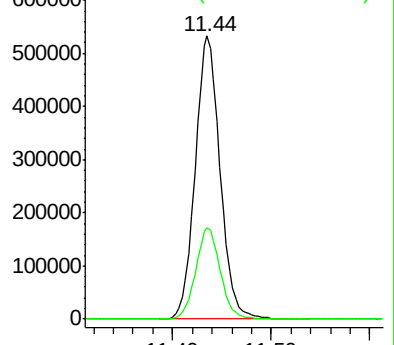
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.74 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

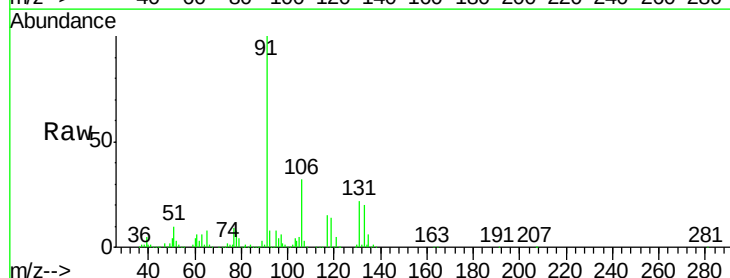
Tgt Ion:131 Resp: 359668

Ion Ratio Lower Upper

131 100

133 95.1 48.0 144.2

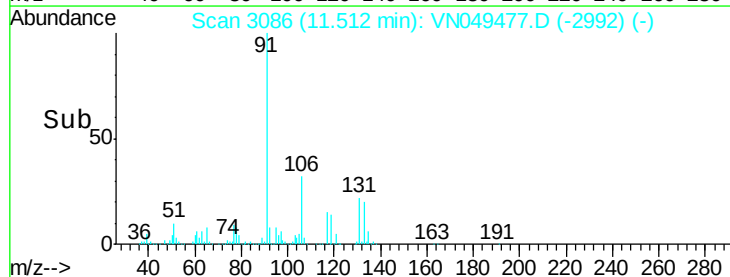
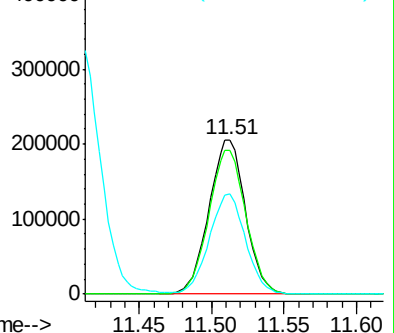
119 64.4 33.6 100.8

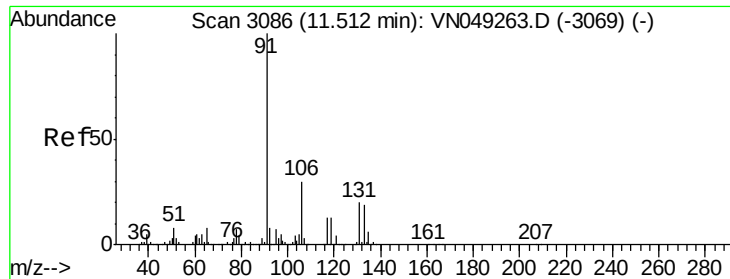


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.68 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampled :

VN0621MBSD01

Tot Ion: 91 Resp: 1580051

Ion Ratio Lower Upper

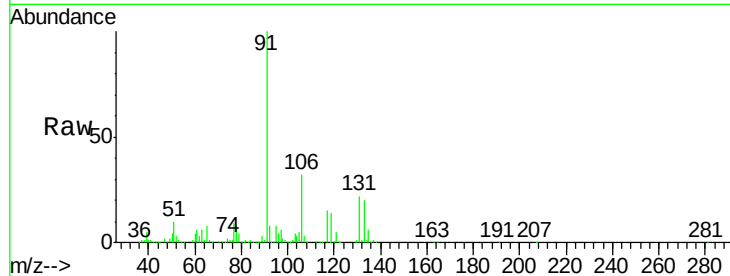
91 100

106 32.2 23.9 35.9

Manual Integrations
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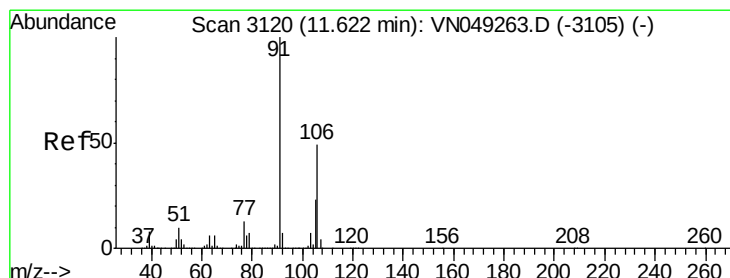
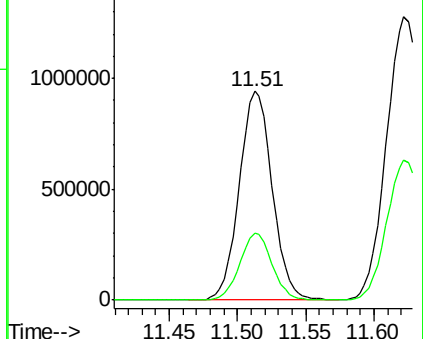
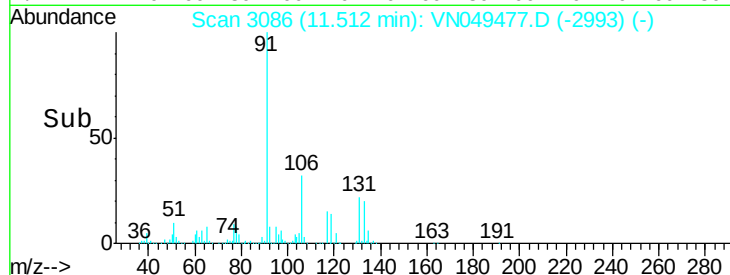
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VN049477.D (-2993) (-)

Ion 106.00 (105.70 to 106.70): VN049477.D (-2993) (-)



#68

m/p-Xylenes

Concen: 40.23 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049477.D

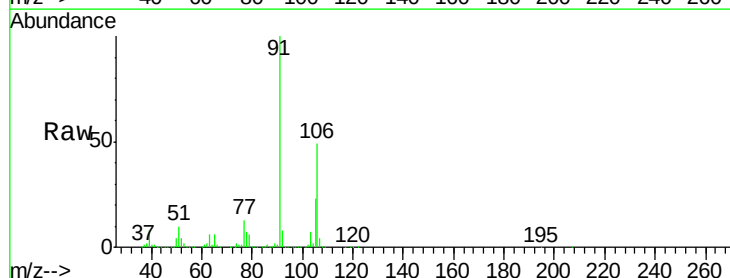
Acq: 21 Jun 2018 19:10

Tgt Ion: 106 Resp: 1212136

Ion Ratio Lower Upper

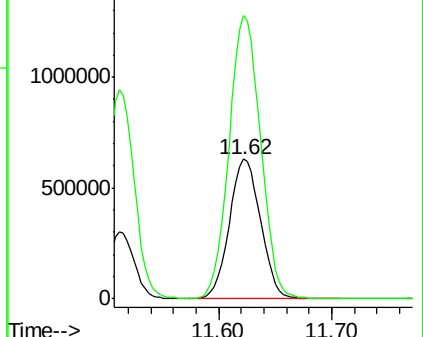
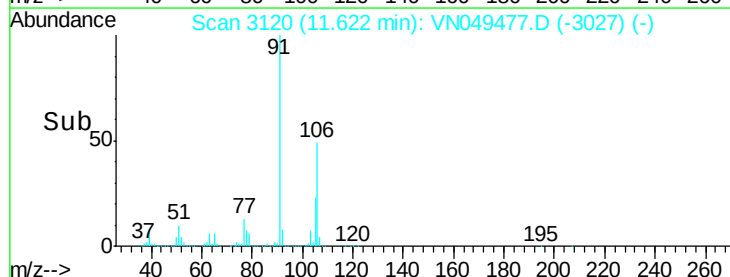
106 100

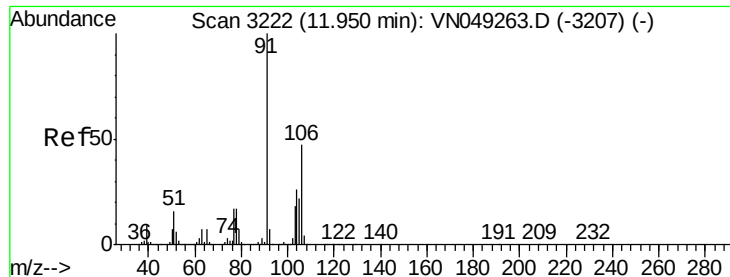
91 204.1 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049477.D (-3027) (-)

Ion 91.00 (90.70 to 91.70): VN049477.D (-3027) (-)





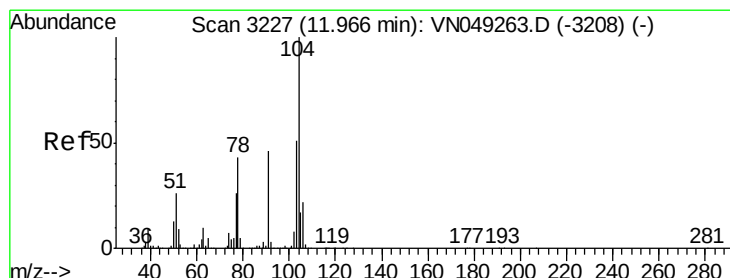
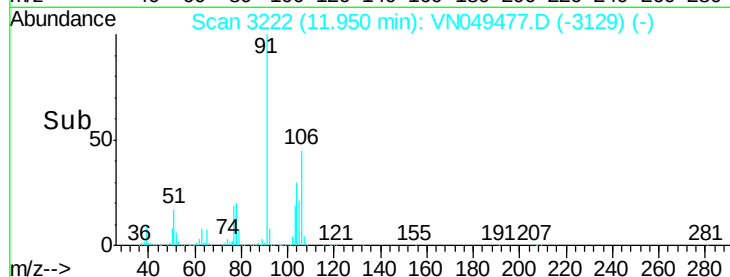
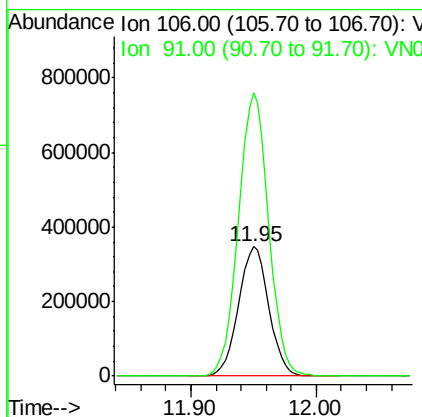
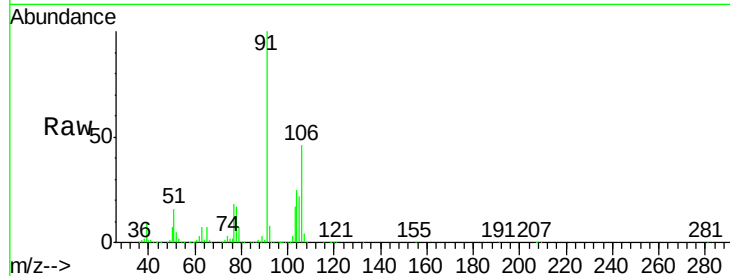
#69
o-Xylene
Concen: 20.03 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	218.3	111.0	581403	333.0	

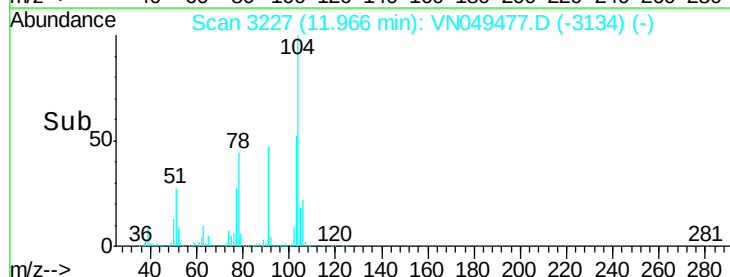
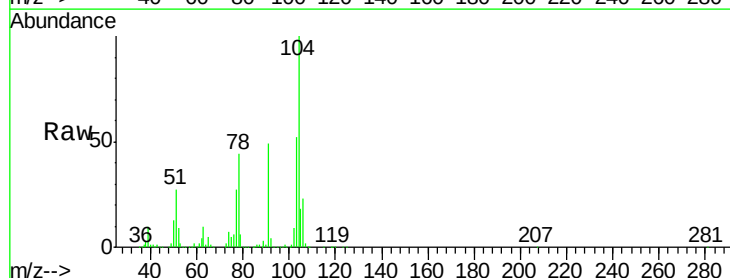
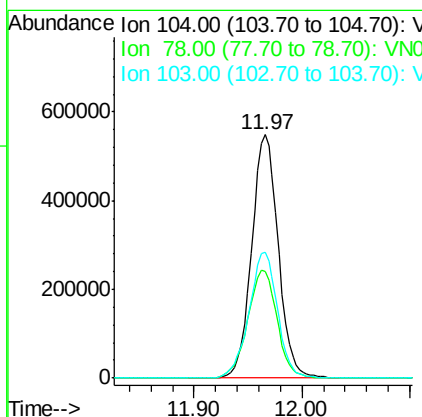
Manual Integrations
APPROVED

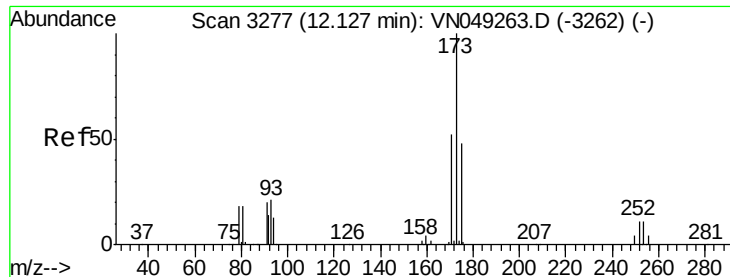
apatel
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#70
Styrene
Concen: 20.48 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.3	41.6	937637	62.4	
103	55.5	45.4		68.2	





#71

Bromoform

Concen: 20.28 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampled :

VN0621MBSD01

Tot Ion:173 Resp: 239088

Ion Ratio Lower Upper

173 100

175 48.4 24.5 73.5

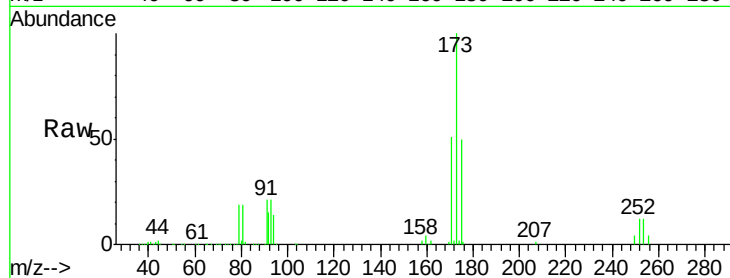
254 0.0 0.1 0.1#

Manual Integrations

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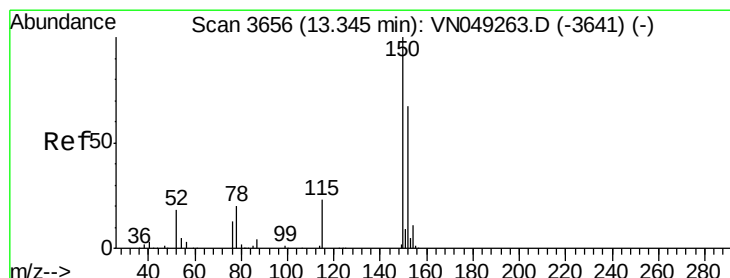
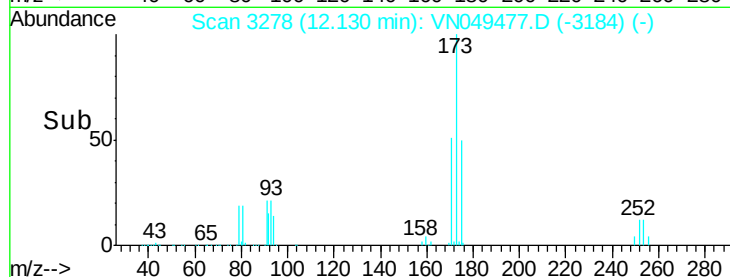
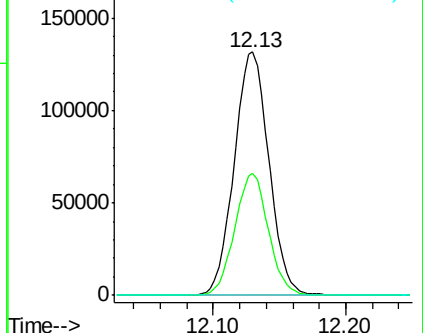
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

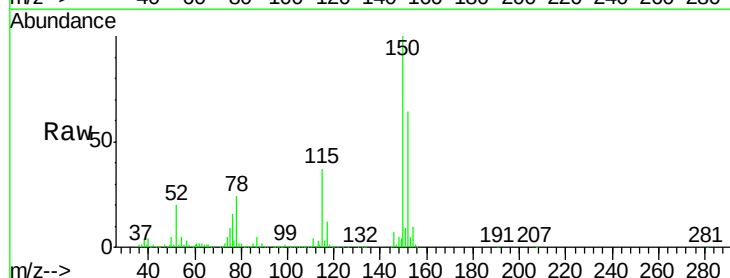
Tgt Ion:152 Resp: 890828

Ion Ratio Lower Upper

152 100

115 57.4 28.7 86.1

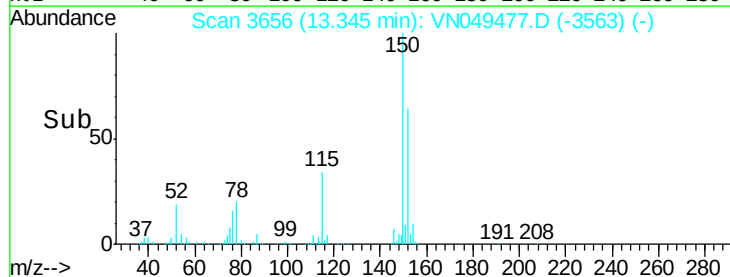
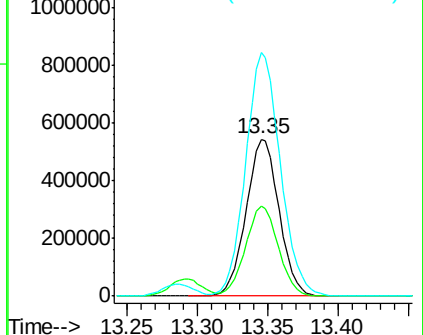
150 163.4 0.0 351.0

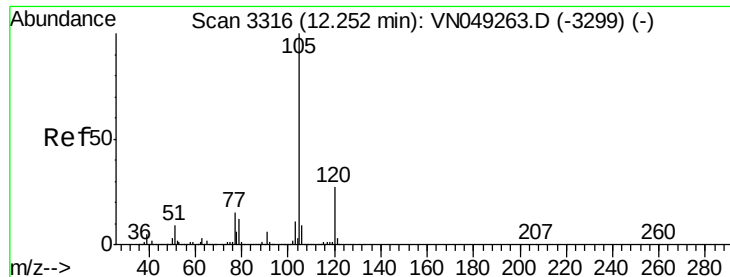


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.96 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampled :

VN0621MBSD01

Tot Ion:105 Resp: 1561110

Ion Ratio Lower Upper

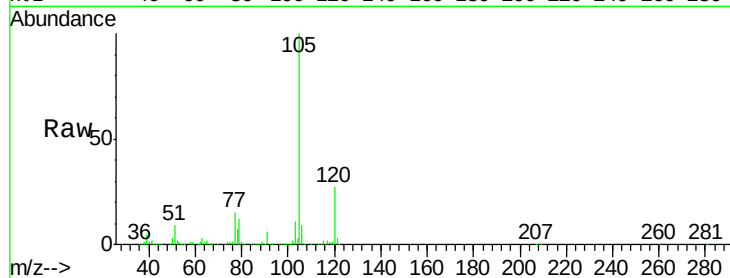
105 100

120 26.6 12.8 38.3

Manual Integrations
APPROVED

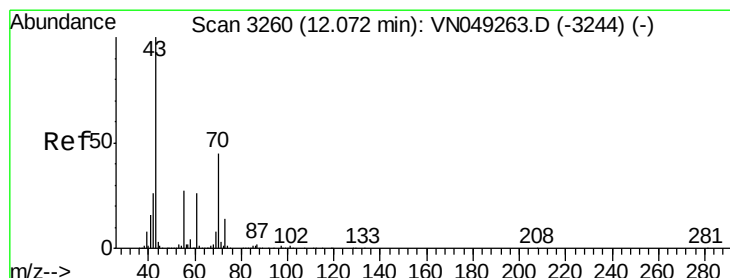
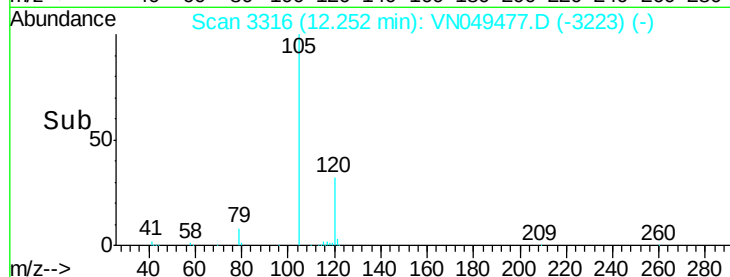
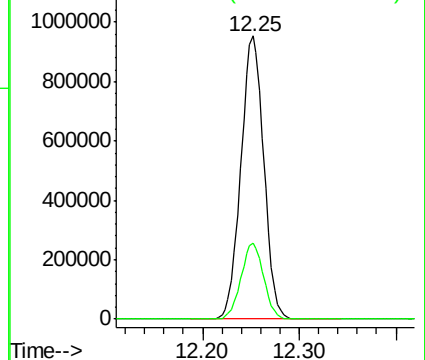
apatel

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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: 20.35 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion: 43 Resp: 389811

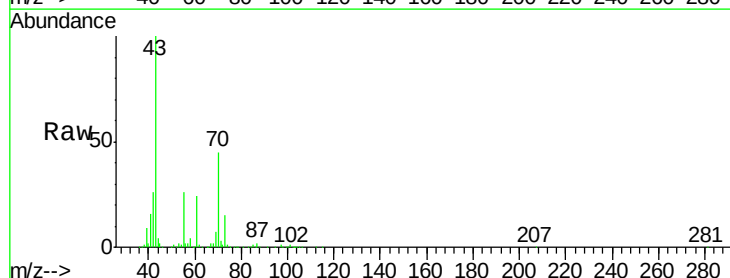
Ion Ratio Lower Upper

43 100

70 43.7 30.3 45.5

55 26.7 19.4 29.2

61 24.4 17.8 26.6

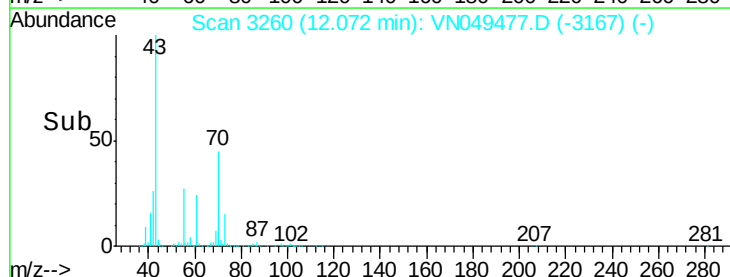
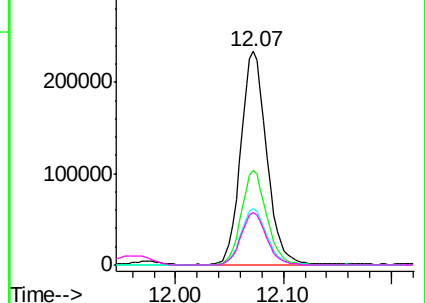


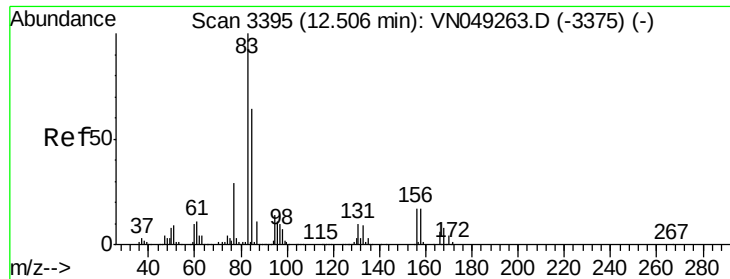
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 21.15 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

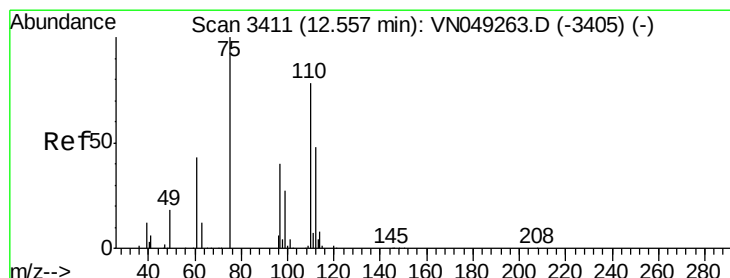
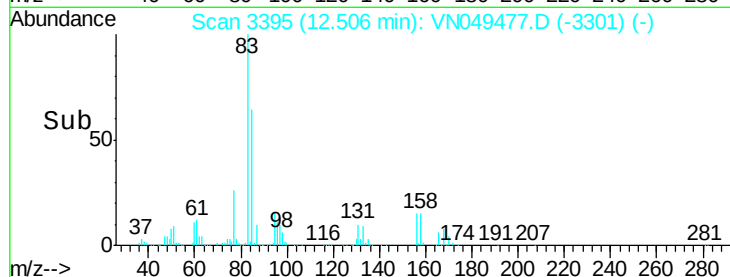
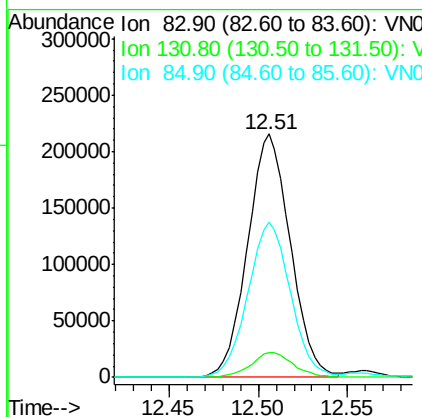
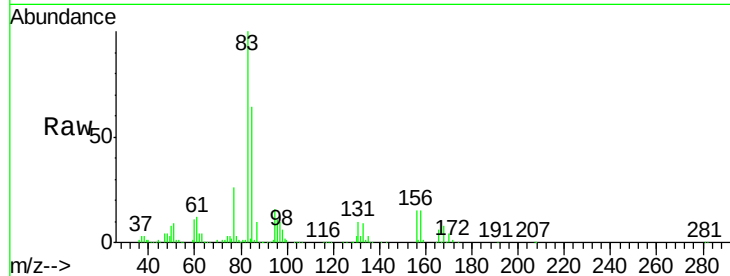
ClientSampleId :

VN0621MBSD01

Tot Ion:	83	Resp:	361094
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	63.7	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 22.19 ug/l m

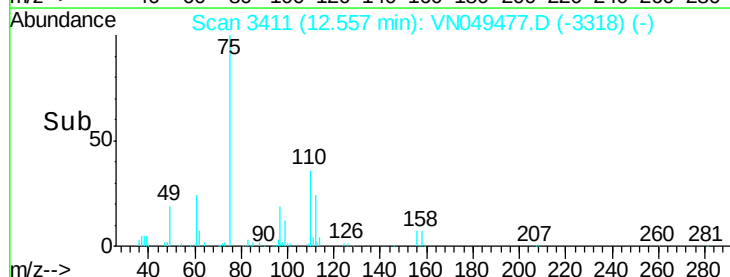
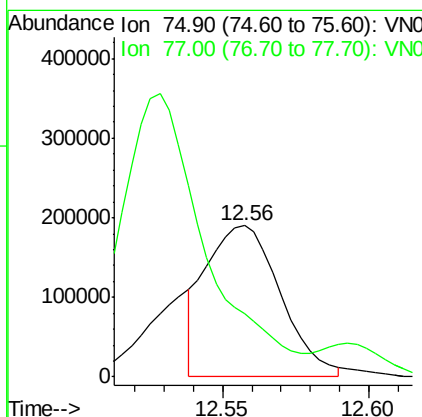
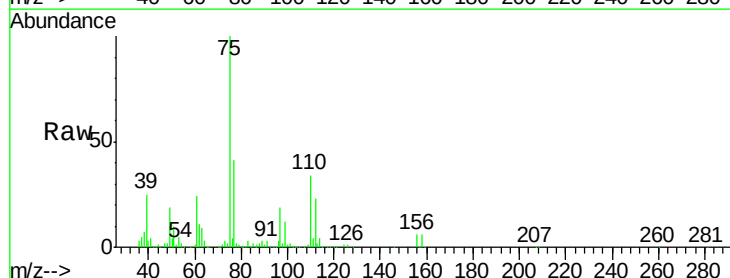
RT: 12.56 min Scan# 3411

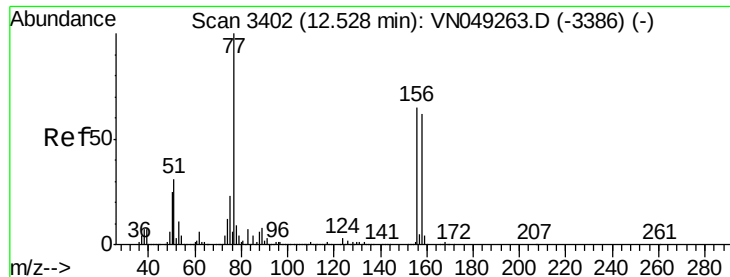
Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion:	75	Resp:	337293
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.02 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

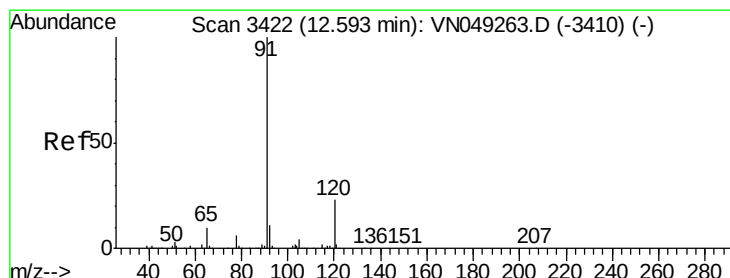
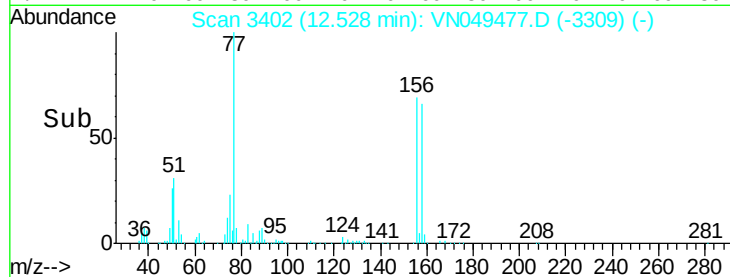
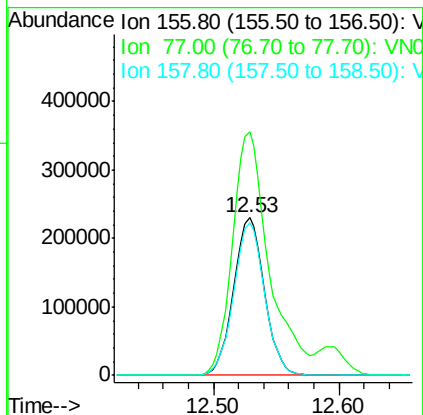
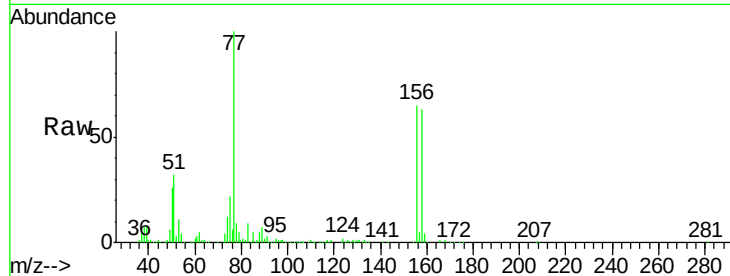
ClientSampleId :

VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.8	100.8	302.4
158	97.0	49.3	147.9

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#78

n-propylbenzene

Concen: 20.09 ug/l

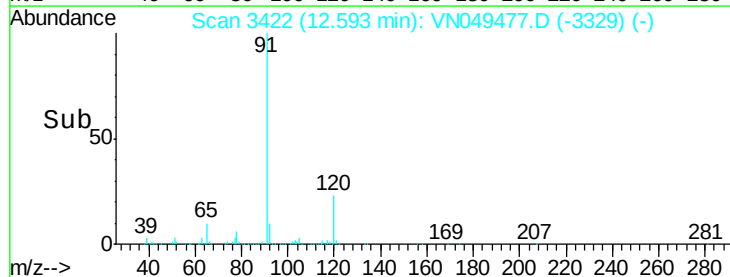
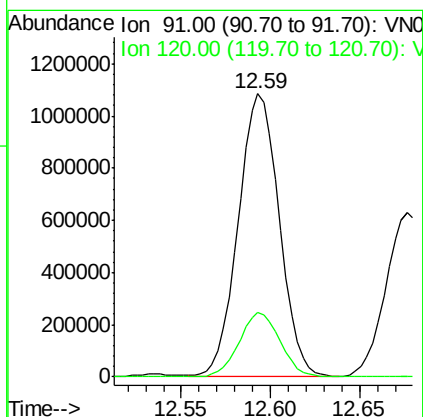
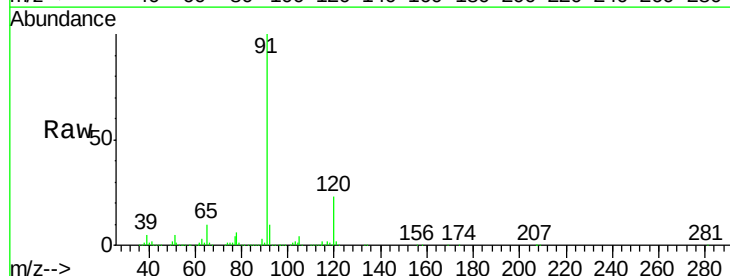
RT: 12.59 min Scan# 3422

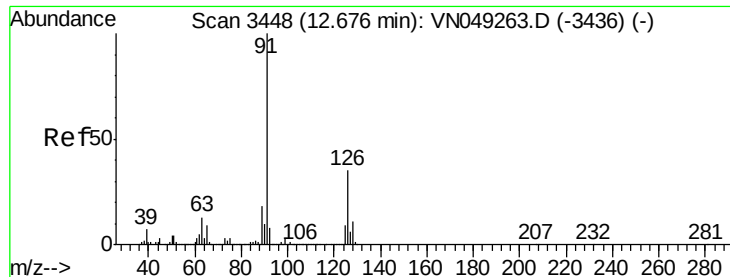
Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.58 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBSD01

Tot Ion: 91 Resp: 1065411

Ion Ratio Lower Upper

91 100

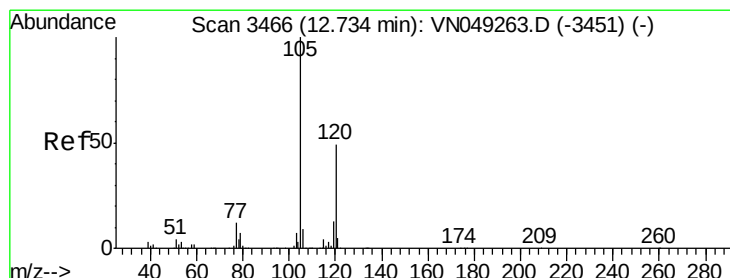
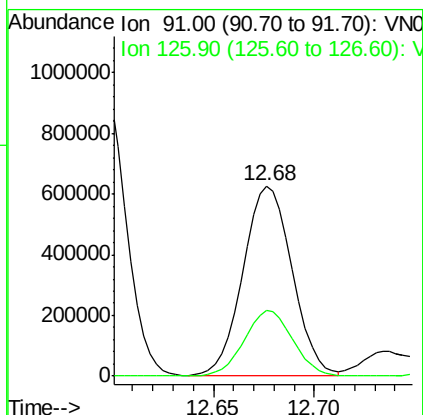
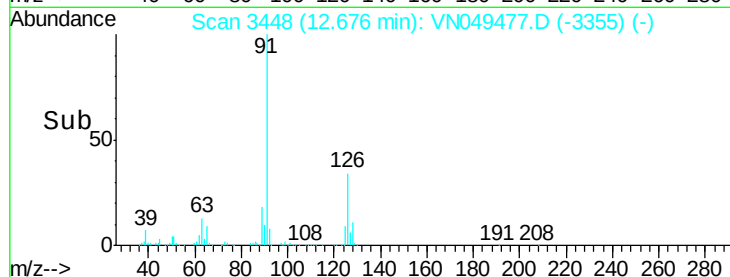
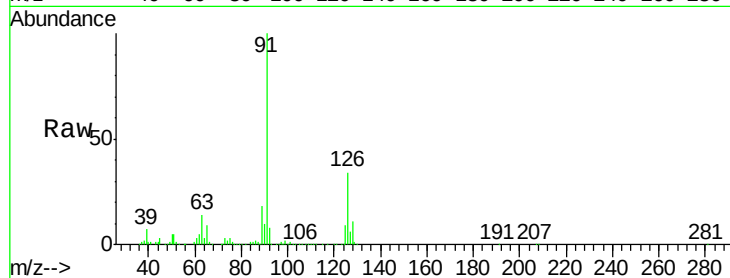
126 34.2 16.6 49.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.52 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049477.D

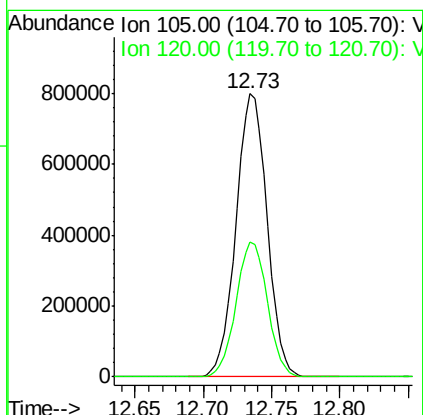
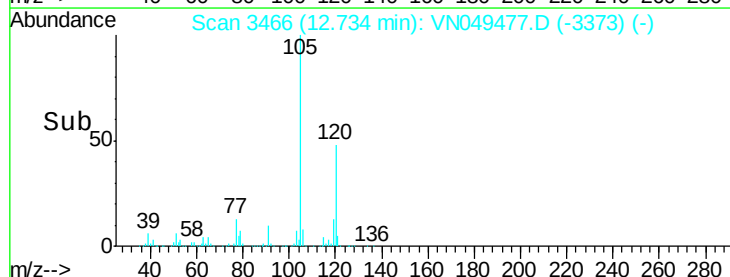
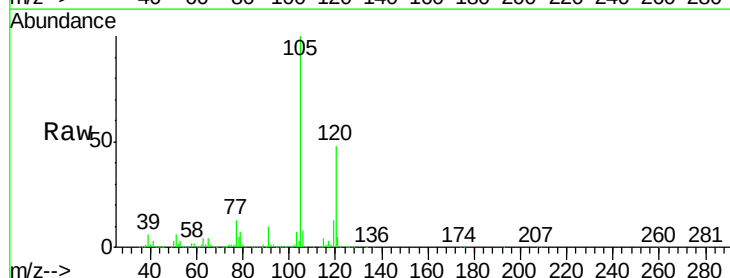
Acq: 21 Jun 2018 19:10

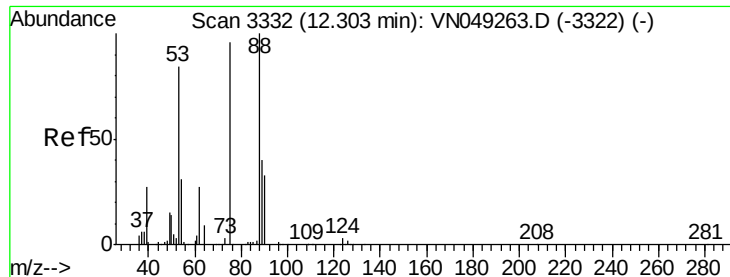
Tgt Ion: 105 Resp: 1261735

Ion Ratio Lower Upper

105 100

120 48.0 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.03 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBSD01

Tot Ion: 75 Resp: 96348

Ion Ratio Lower Upper

75 100

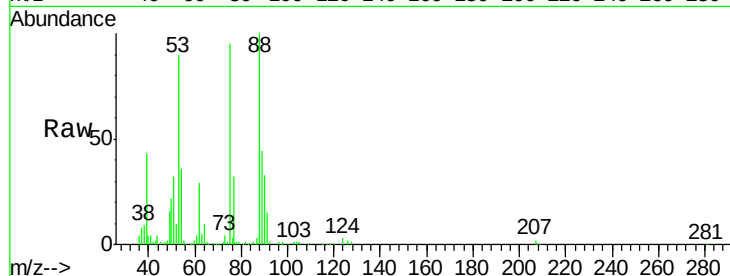
53 95.7 82.7 124.1

89 45.2 36.5 54.7

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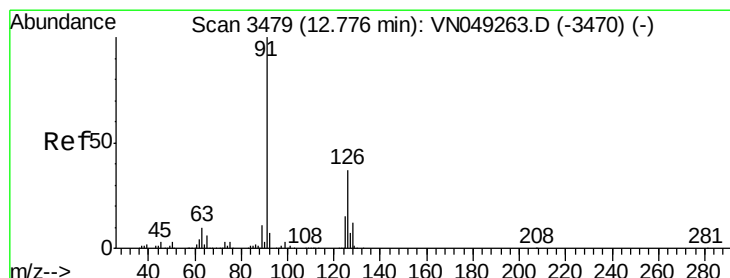
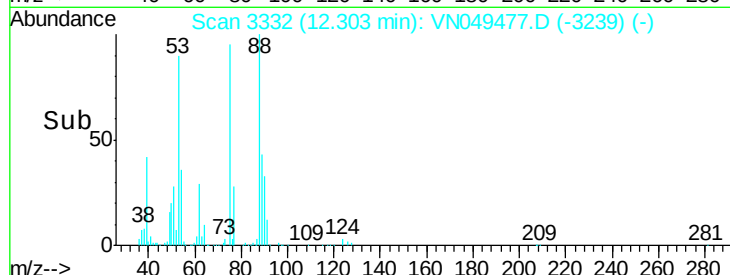
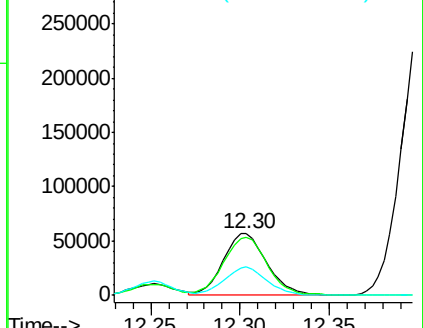
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Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN049263.D (-3322) (-)

Ion 88.90 (88.60 to 89.60): VN049263.D (-3322) (-)



#82

4-Chlorotoluene

Concen: 19.89 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049477.D

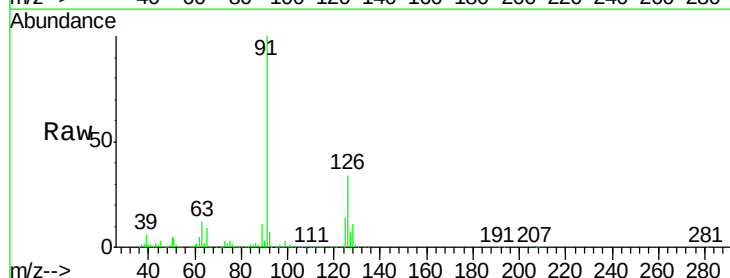
Acq: 21 Jun 2018 19:10

Tgt Ion: 91 Resp: 1043991

Ion Ratio Lower Upper

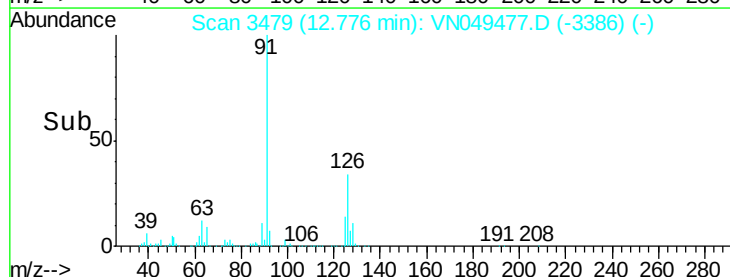
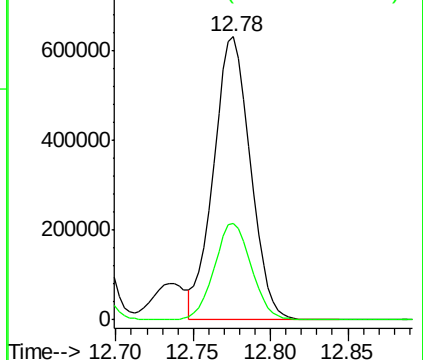
91 100

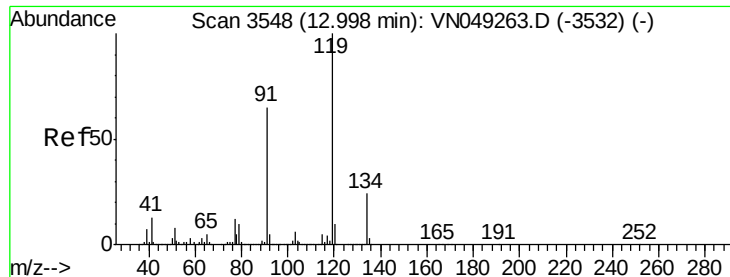
126 34.3 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3470) (-)





#83

tert-Butylbenzene

Concen: 19.55 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBSD01

Tot Ion:119 Resp: 1065068

Ion Ratio Lower Upper

119 100

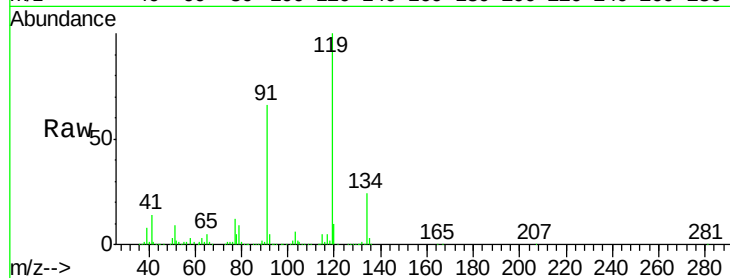
91 64.6 33.7 101.0

134 25.5 12.9 38.6

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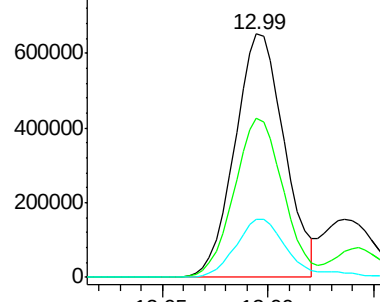
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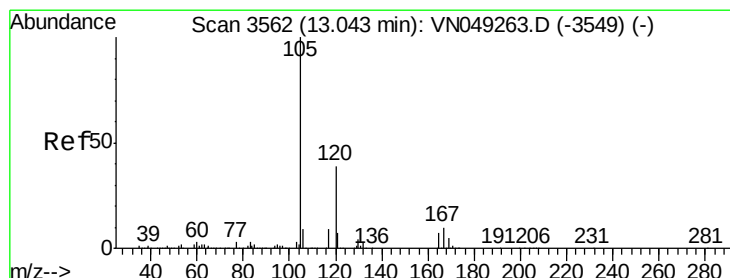
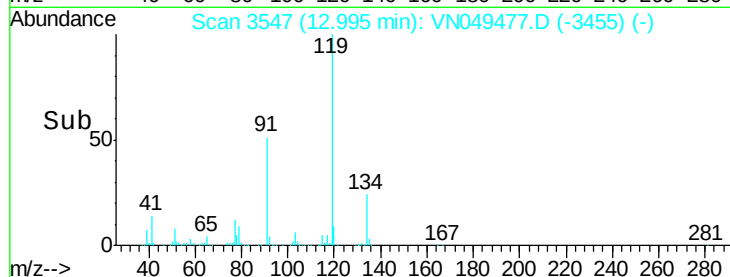
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



Time-->



#84

1,2,4-Trimethylbenzene

Concen: 20.48 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049477.D

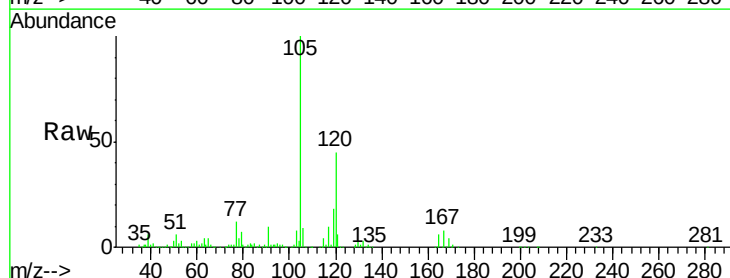
Acq: 21 Jun 2018 19:10

Tgt Ion:105 Resp: 1250845

Ion Ratio Lower Upper

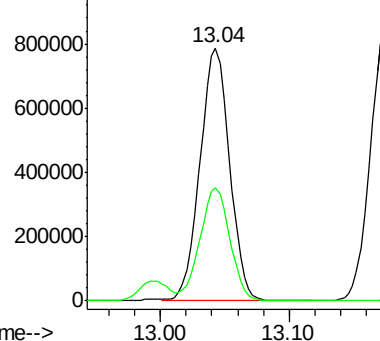
105 100

120 45.2 22.2 66.6

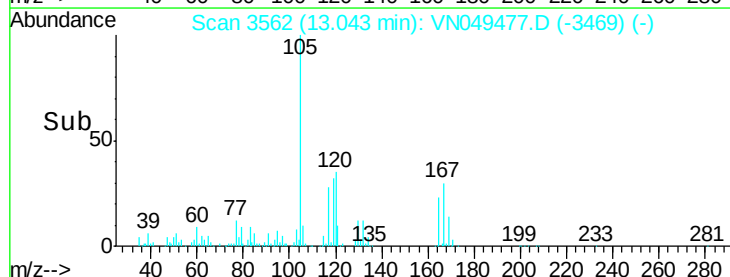


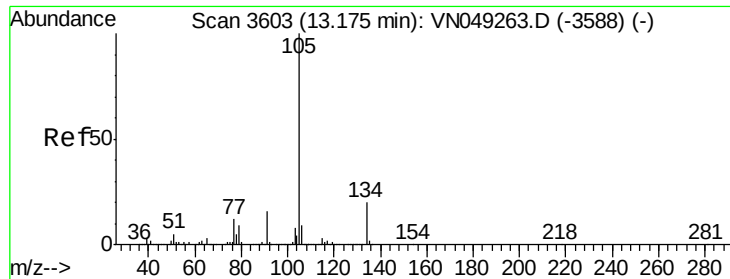
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





#85

sec-Butylbenzene

Concen: 19.61 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBSD01

Tot Ion:105 Resp: 1421567

Ion Ratio Lower Upper

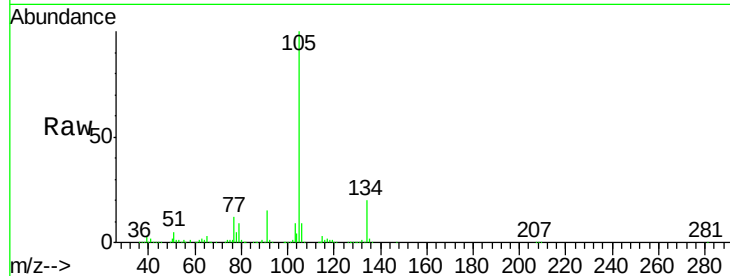
105 100

134 19.7 9.8 29.3

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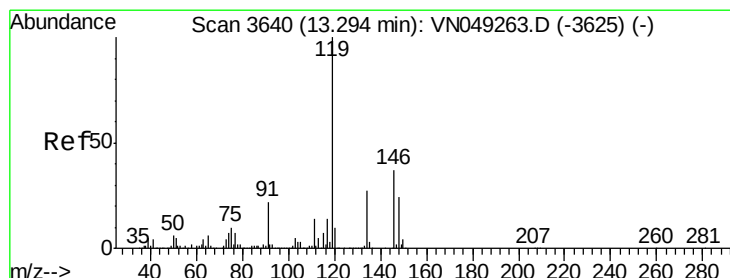
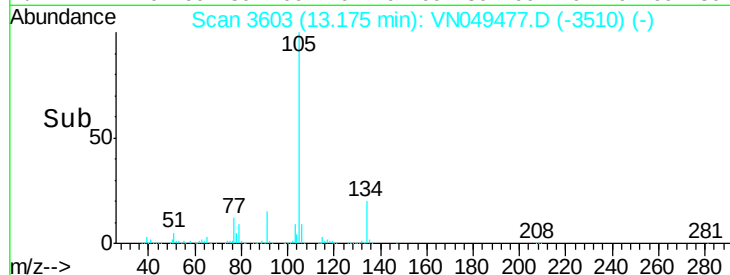
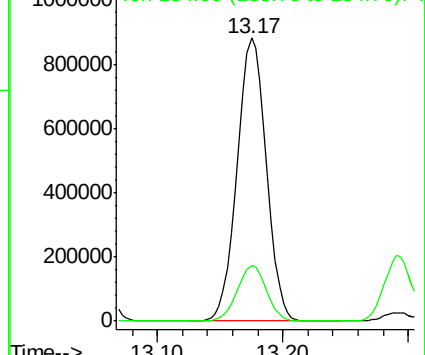
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.40 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

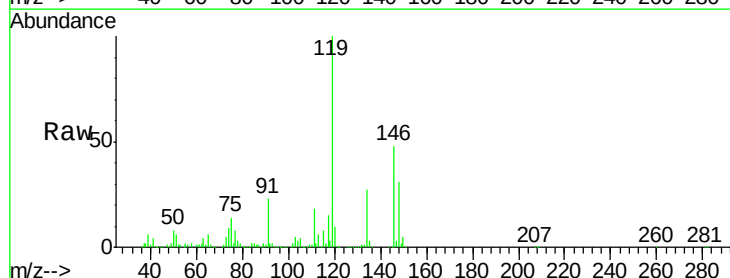
Tgt Ion:119 Resp: 1175245

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.6

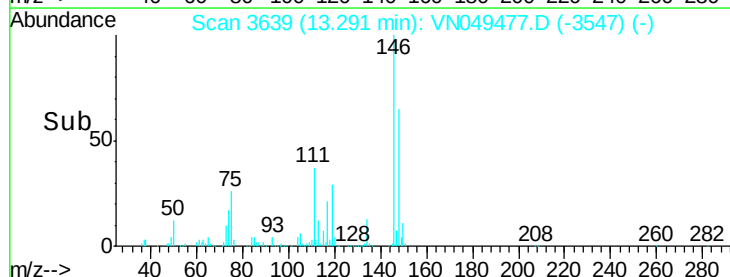
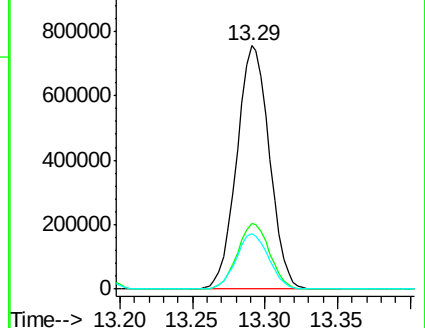
91 22.9 12.1 36.3

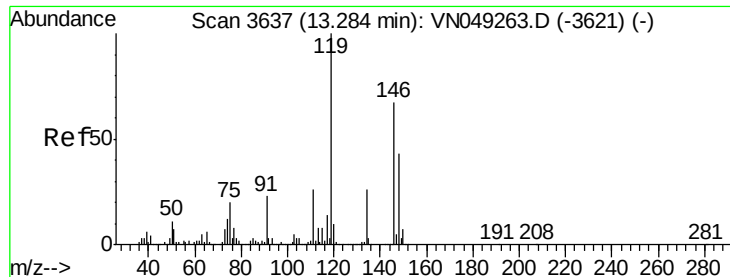


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





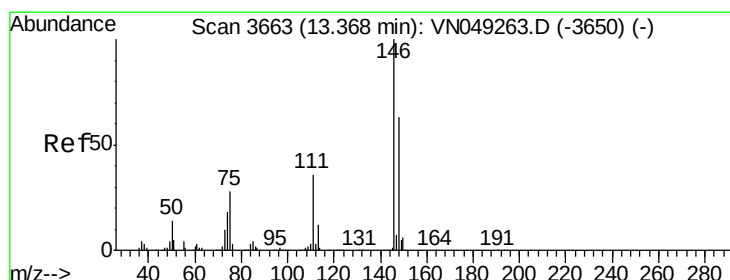
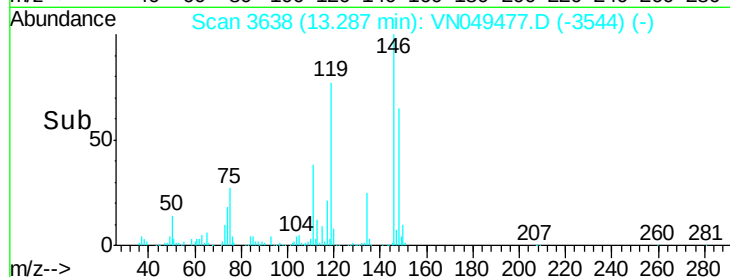
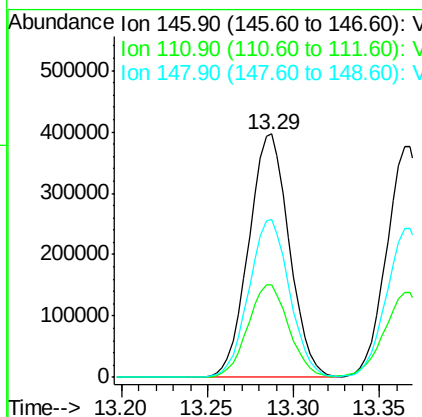
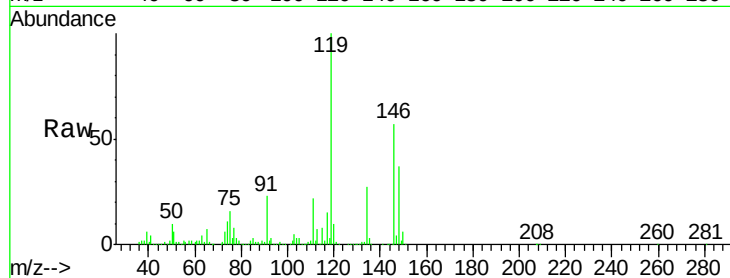
#87
 1,3-Dichlorobenzene
 Concen: 19.07 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.6
148	64.9	32.1	96.5

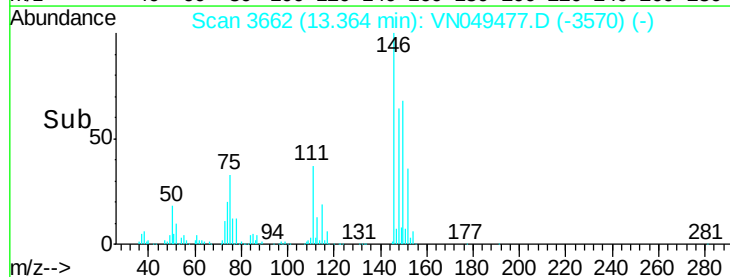
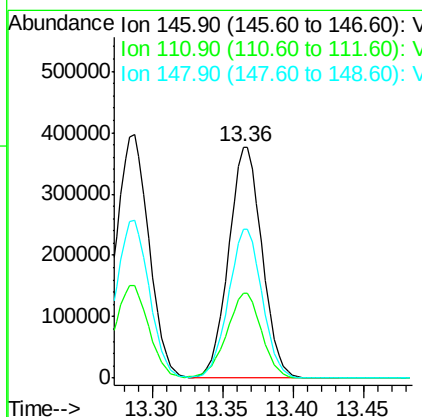
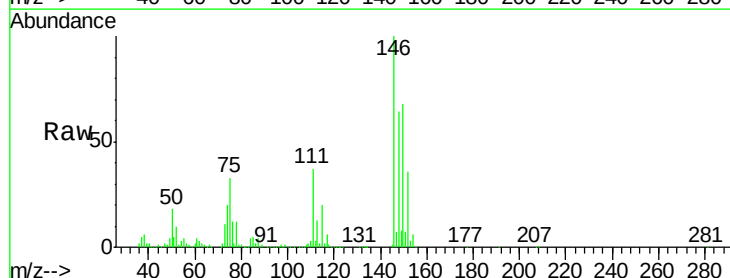
Manual Integrations
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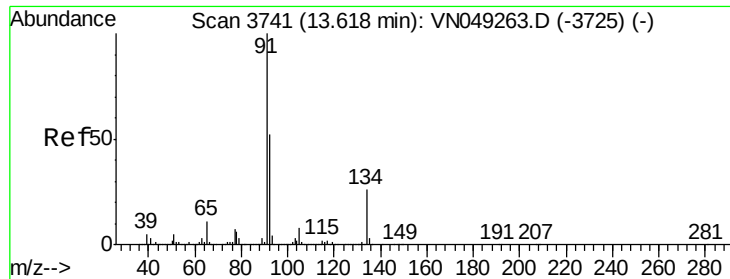
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 18.51 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.1	57.1
148	64.9	32.0	96.2





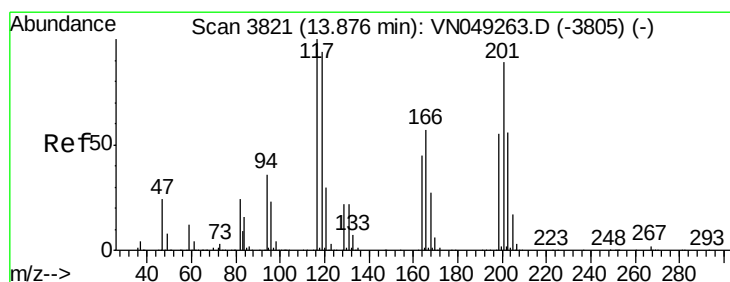
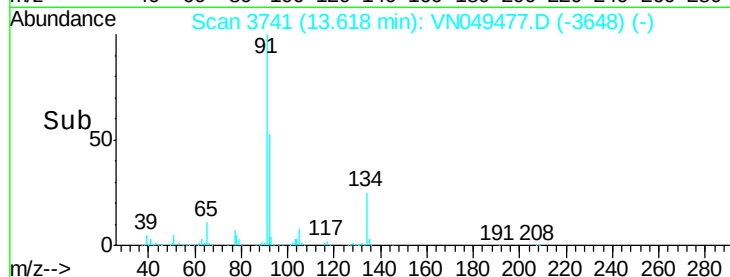
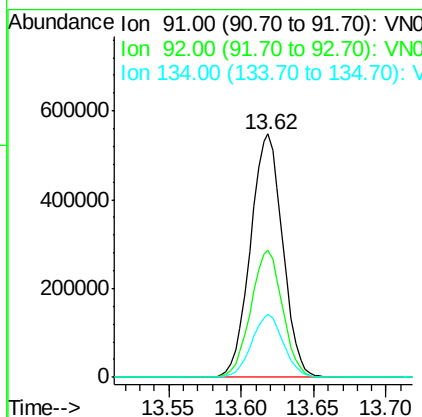
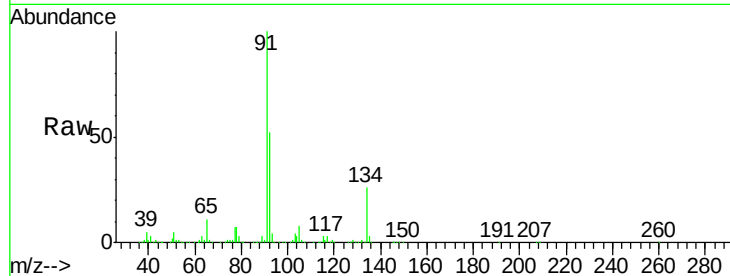
#89
n-Butylbenzene
Concen: 17.91 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Instrument :
MSVOA_N
ClientSampled :
VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.1	75.4
134	25.4	12.0	36.0

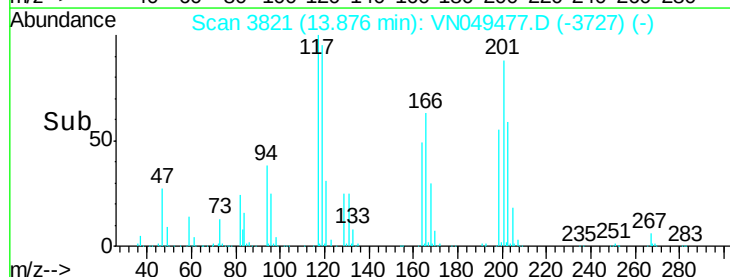
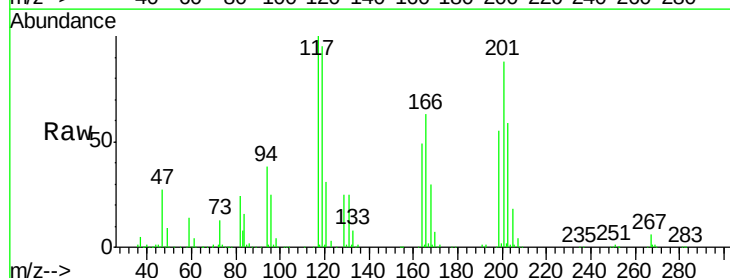
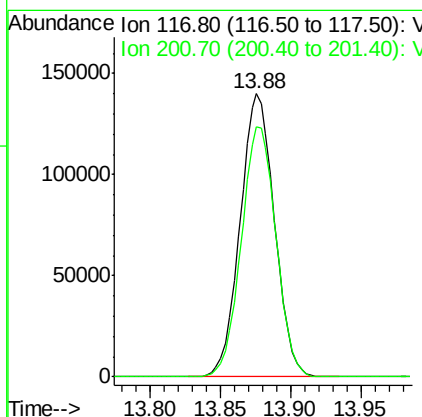
Manual Integrations
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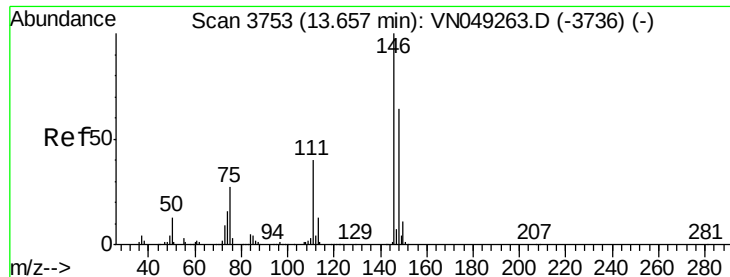
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#90
Hexachloroethane
Concen: 19.77 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049477.D
Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	40.1	120.2





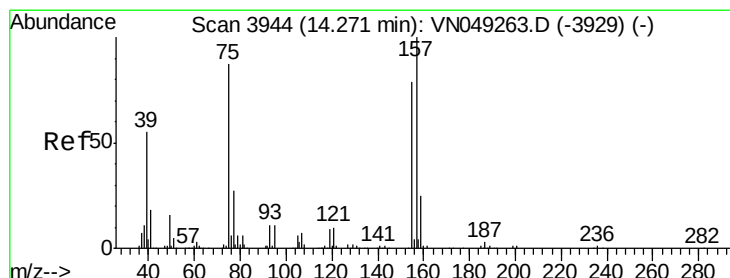
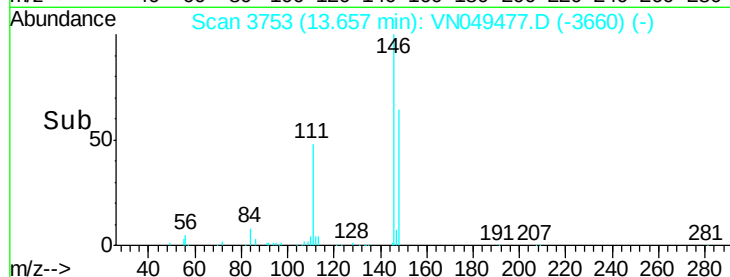
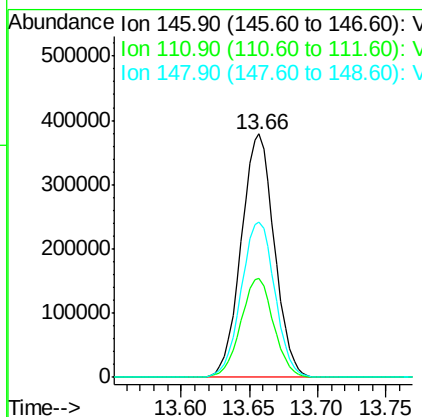
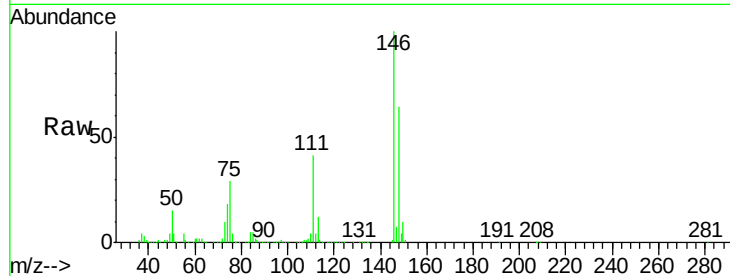
#91
 1,2-Dichlorobenzene
 Concen: 19.12 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0621MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.8	62.2
148	65.0	32.0	96.2

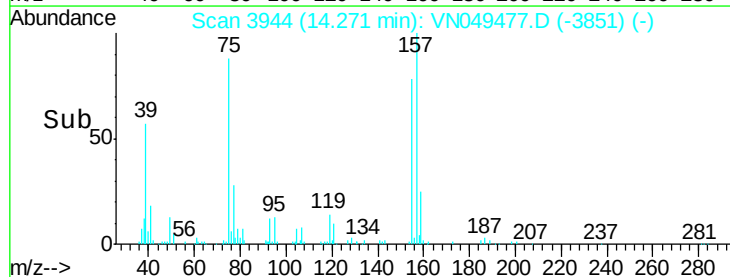
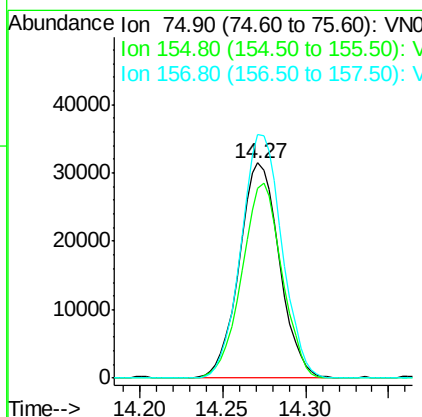
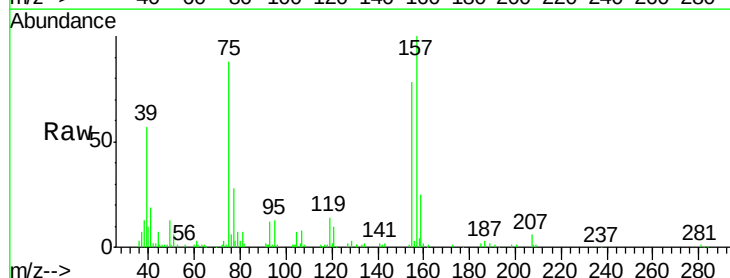
Manual Integrations
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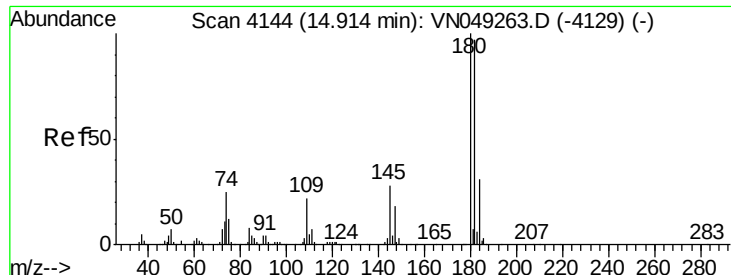
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.51 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.9	38.8	116.3
157	114.9	51.0	153.1





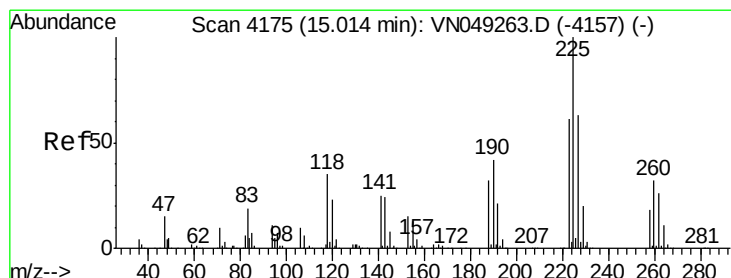
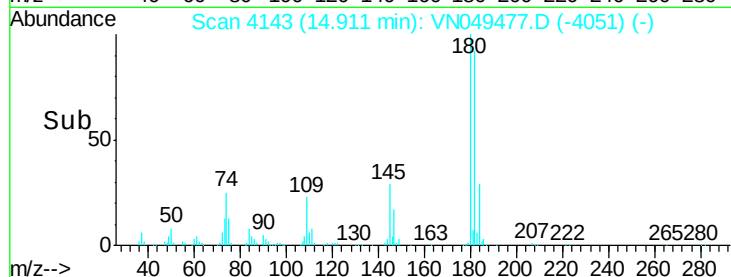
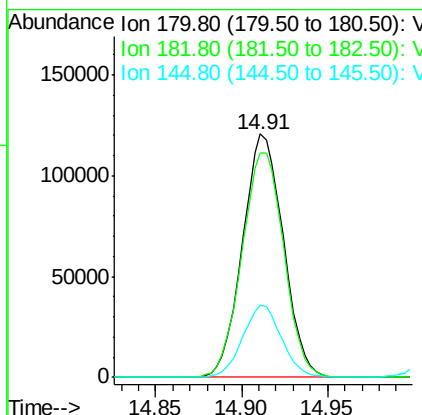
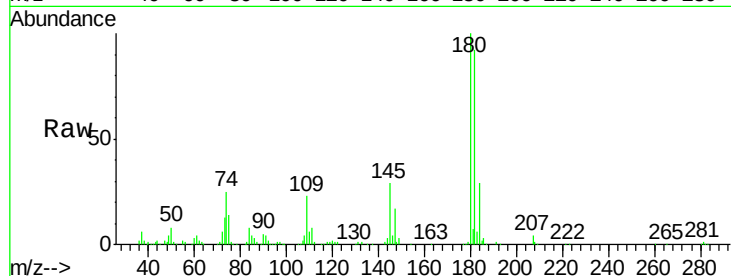
#93
 1,2,4-Trichlorobenzene
 Concen: 16.49 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	198328		
182	94.8	46.9	140.8	
145	28.3	14.7	44.1	

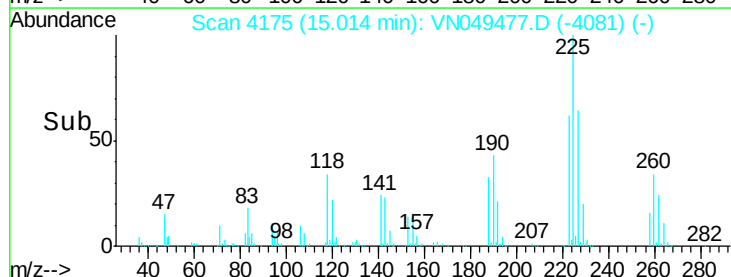
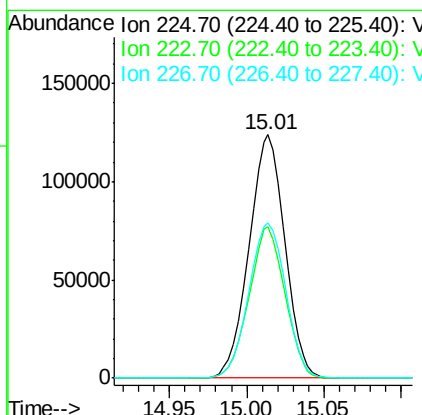
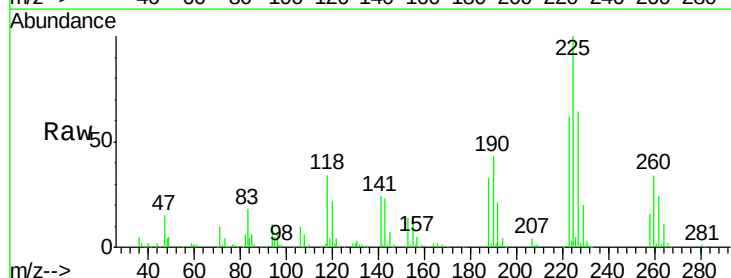
Manual Integrations
 APPROVED

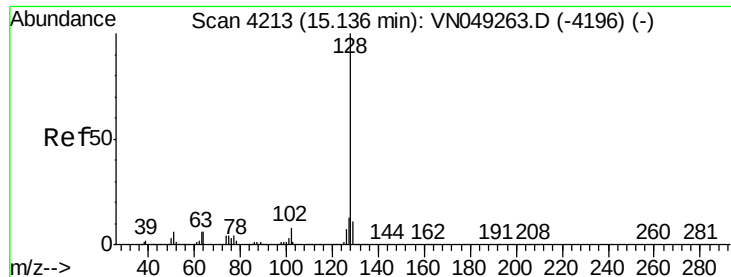
apatel
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#94
 Hexachlorobutadiene
 Concen: 18.84 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049477.D
 Acq: 21 Jun 2018 19:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	200218		
223	62.3	32.1	96.3	
227	65.6	31.8	95.3	





#95

Naphthalene

Concen: 17.71 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Instrument :

MSVOA_N

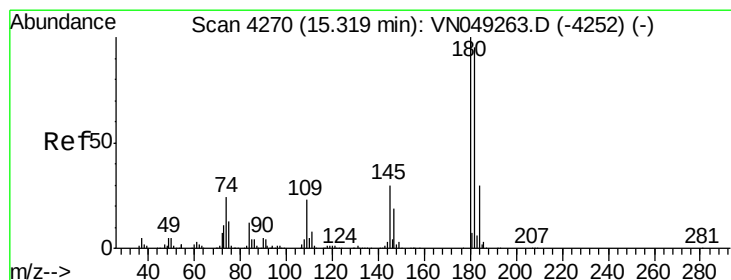
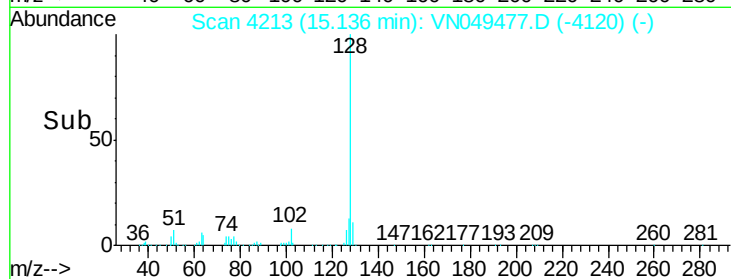
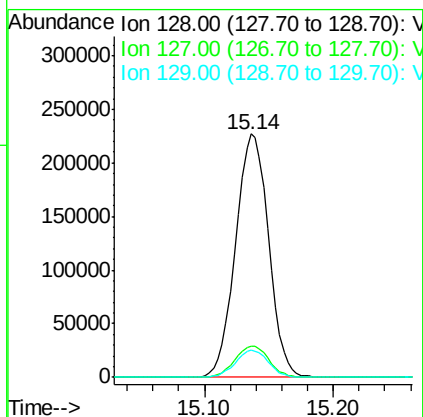
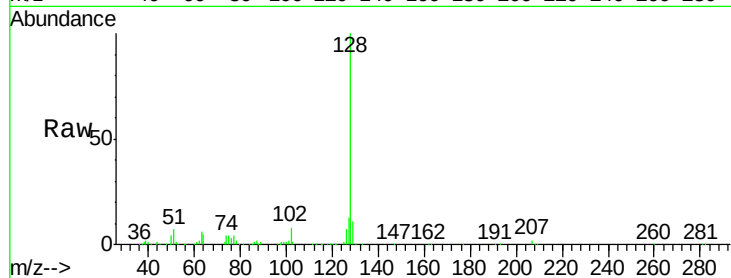
ClientSampleId :

VN0621MBSD01

Tot Ion:	128	Resp:	403716
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	16.0
129	11.1	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 17.00 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049477.D

Acq: 21 Jun 2018 19:10

Tgt Ion:	180	Resp:	217341
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.3	141.8
145	30.9	15.6	46.7

