

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
 Data File : VN049469.D
 Acq On : 21 Jun 2018 15:26
 Operator : MD\SY
 Sample : VN0621WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Manual Integrations
 APPROVED

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 6/22/2018 1:57:52 PM

Quant Time: Jun 22 04:16:51 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	1362884	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2049321	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1808026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	884512	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	879148	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
35) Dibromofluoromethane	7.59	113	790123	47.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.32%	
50) Toluene-d8	10.09	98	2887268	45.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.46%	
62) 4-Bromofluorobenzene	12.40	95	953081	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	293527	18.71	ug/l	99
3) Chloromethane	2.06	50	364402	17.99	ug/l	98
4) Vinyl Chloride	2.18	62	400984	18.63	ug/l	98
5) Bromomethane	2.57	94	201661	17.82	ug/l	99
6) Chloroethane	2.70	64	256057	19.95	ug/l	100
7) Trichlorofluoromethane	3.02	101	529194	19.70	ug/l	97
8) Diethyl Ether	3.41	74	185601	19.79	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	326817	19.19	ug/l	93
10) Methyl Iodide	3.95	142	342874	19.34	ug/l	92
11) Tert butyl alcohol	4.80	59	104667	98.65	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	291365	18.65	ug/l	94
13) Acrolein	3.61	56	115650	103.95	ug/l	97
14) Allyl chloride	4.32	41	461136	18.69	ug/l	90
15) Acrylonitrile	4.99	53	535532	100.95	ug/l	99
16) Acetone	3.82	43	452908	103.19	ug/l	95
17) Carbon Disulfide	4.05	76	863161	17.62	ug/l	98
18) Methyl Acetate	4.33	43	309338	23.12	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	790496	19.84	ug/l	99
20) Methylene Chloride	4.55	84	358036	19.53	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	309120	18.68	ug/l	93
22) Diisopropyl ether	5.96	45	986111	20.01	ug/l	99
23) Vinyl Acetate	5.90	43	3158977	98.34	ug/l	96
24) 1,1-Dichloroethane	5.85	63	610353	19.35	ug/l	98
25) 2-Butanone	6.84	43	607646	103.11	ug/l	95
26) 2,2-Dichloropropane	6.83	77	489327	19.21	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	358183	19.47	ug/l	91
28) Bromochloromethane	7.20	49	260182	18.61	ug/l	85
29) Tetrahydrofuran	7.22	42	384351	101.32	ug/l	93
30) Chloroform	7.37	83	621649	19.81	ug/l	99
31) Cyclohexane	7.66	56	508757	18.92	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	533860	19.94	ug/l	97
36) 1,1-Dichloropropene	7.79	75	448965	19.12	ug/l	98
37) Ethyl Acetate	6.93	43	278017	21.77	ug/l	98
38) Carbon Tetrachloride	7.77	117	468343	19.26	ug/l	99

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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)
39) Methylcyclohexane	9.08	83	459631	18.23	ug/l	96
40) Benzene	8.04	78	1382399	19.20	ug/l	100
41) Methacrylonitrile	7.18	41	138010	19.99	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	440310	19.79	ug/l	97
43) Isopropyl Acetate	8.17	43	564666	23.15	ug/l	96
44) Trichloroethene	8.84	130	370495	19.48	ug/l	93
45) 1,2-Dichloropropane	9.12	63	364106	19.31	ug/l	99
46) Dibromomethane	9.21	93	219814	20.11	ug/l	92
47) Bromodichloromethane	9.40	83	474471	19.75	ug/l	96
48) Methyl methacrylate	9.20	41	238621	20.77	ug/l	87
49) 1,4-Dioxane	9.20	88	62592	394.75	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	1345162	105.20	ug/l	94
52) Toluene	10.16	92	842909	19.94	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	437525	19.04	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	515621	19.00	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	313287	19.88	ug/l	98
56) Ethyl methacrylate	10.43	69	361774	19.90	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	515532	19.75	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	447654	79.27	ug/l	96
59) 2-Hexanone	10.76	43	860971	104.44	ug/l	94
60) Dibromochloromethane	10.90	129	351989	20.02	ug/l	99
61) 1,2-Dibromoethane	11.01	107	297281	20.30	ug/l	99
64) Tetrachloroethene	10.63	164	414009	22.35	ug/l	98
65) Chlorobenzene	11.44	112	908738	19.51	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	350752	20.01	ug/l	99
67) Ethyl Benzene	11.51	91	1516150	19.63	ug/l	98
68) m/p-Xylenes	11.63	106	1178272	40.64	ug/l	96
69) o-Xylene	11.95	106	562341	20.14	ug/l	94
70) Styrene	11.97	104	897022	20.36	ug/l	98
71) Bromoform	12.13	173	237226	20.91	ug/l #	98
73) Isopropylbenzene	12.25	105	1489318	19.18	ug/l	98
74) N-amyl acetate	12.07	43	360310	18.94	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	347979	20.46	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	302687m	20.06	ug/l	
77) Bromobenzene	12.53	156	386150	18.82	ug/l	90
78) n-propylbenzene	12.59	91	1659275	19.46	ug/l	100
79) 2-Chlorotoluene	12.68	91	1029324	19.05	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1209499	19.81	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	92897	19.45	ug/l	94
82) 4-Chlorotoluene	12.78	91	1013929	19.45	ug/l	97
83) tert-Butylbenzene	12.99	119	1014779	18.76	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1212214	19.99	ug/l	99
85) sec-Butylbenzene	13.17	105	1364955	18.96	ug/l	99
86) p-Isopropyltoluene	13.29	119	1141354	18.98	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	629645	18.66	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	615596	18.40	ug/l	100
89) n-Butylbenzene	13.62	91	812529	17.30	ug/l	99
90) Hexachloroethane	13.88	117	240021	20.07	ug/l	87
91) 1,2-Dichlorobenzene	13.66	146	627022	18.94	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50749	18.77	ug/l	85

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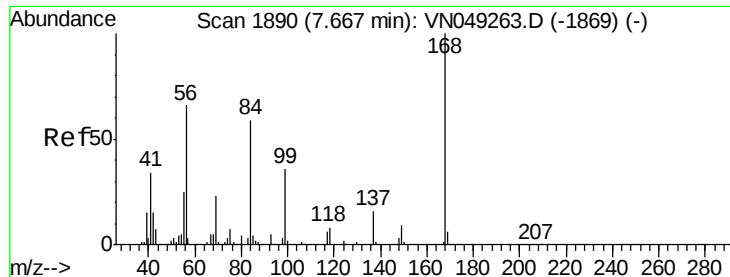
Manual Integrations
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6/22/2018 1:57:52 PM

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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	185548	15.81	ug/l	99
94) Hexachlorobutadiene	15.01	225	196171	18.55	ug/l	99
95) Naphthalene	15.14	128	357192	16.07	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	208381	16.54	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion:168 Resp: 1362884

Ion Ratio Lower Upper

168 100

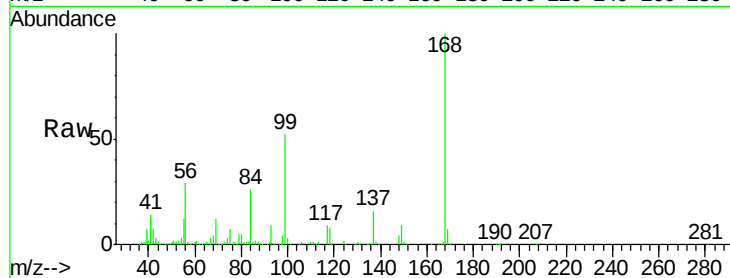
99 51.7 45.8 68.6

Manual Integrations

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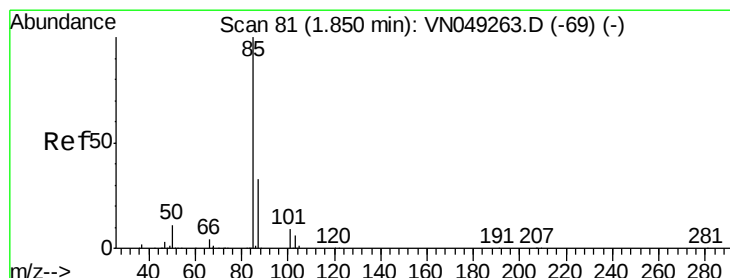
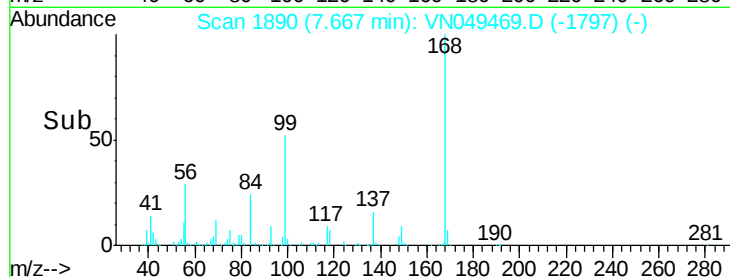
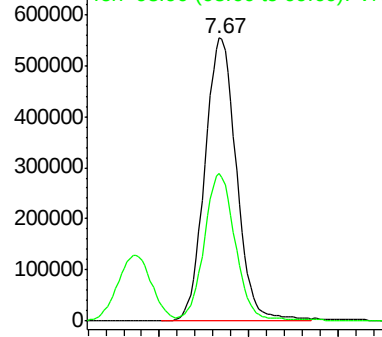
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.71 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049469.D

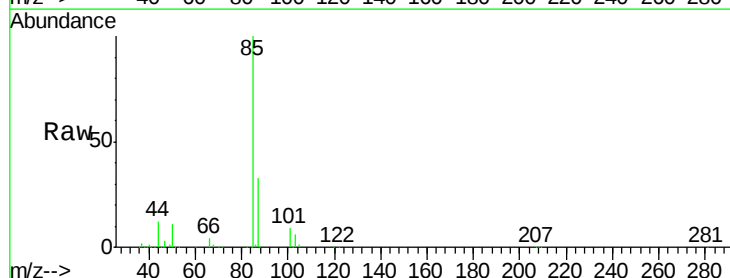
Acq: 21 Jun 2018 15:26

Tgt Ion: 85 Resp: 293527

Ion Ratio Lower Upper

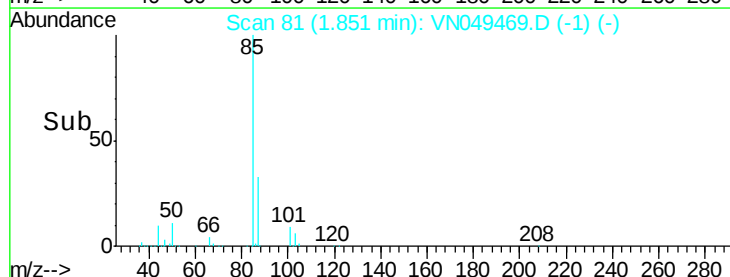
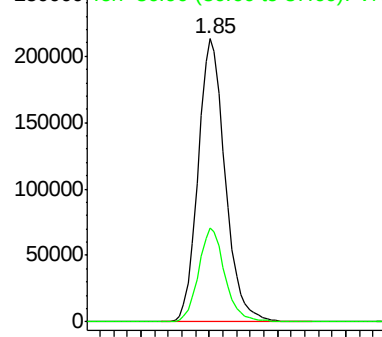
85 100

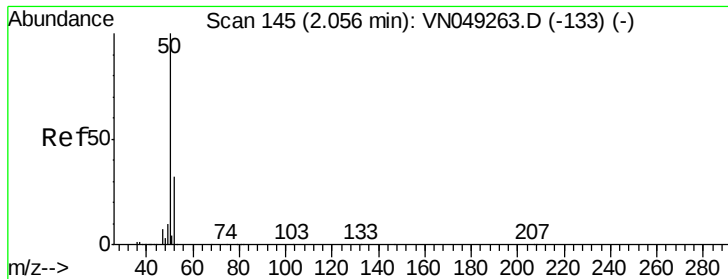
87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.99 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion: 50 Resp: 364402

Ion Ratio Lower Upper

50 100

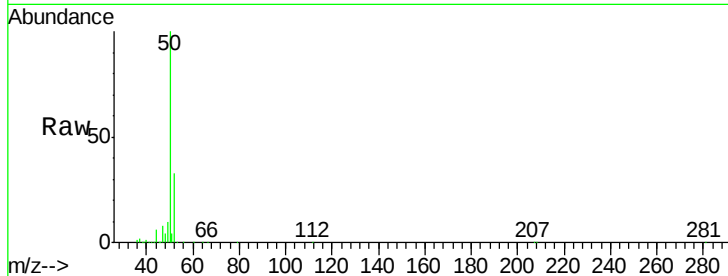
52 32.5 25.2 37.8

Manual Integrations

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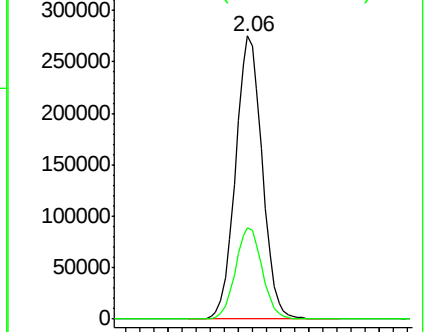
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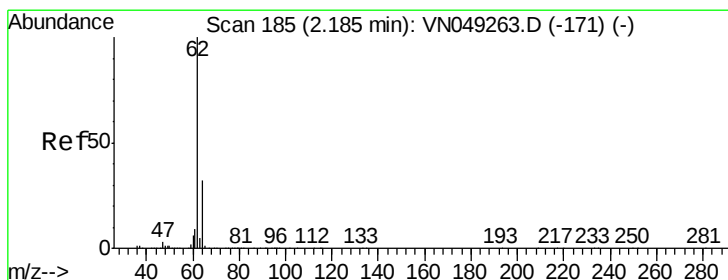
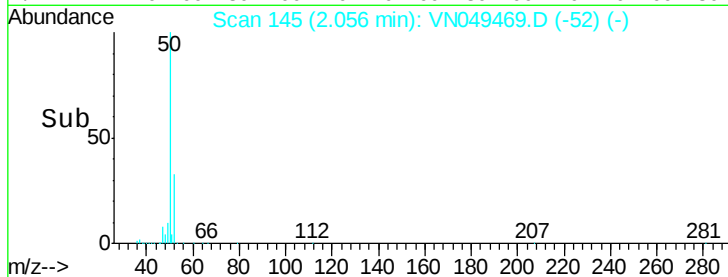


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 18.63 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049469.D

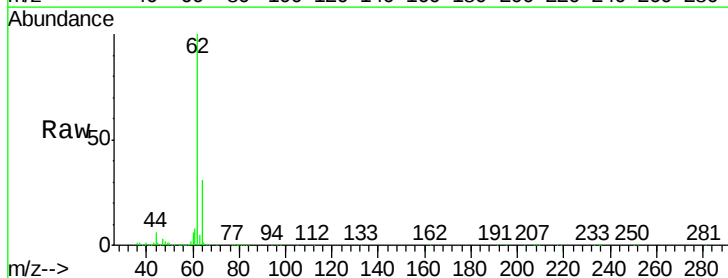
Acq: 21 Jun 2018 15:26

Tgt Ion: 62 Resp: 400984

Ion Ratio Lower Upper

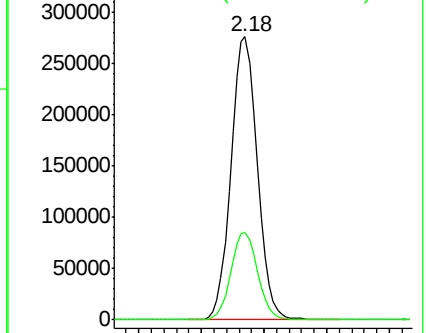
62 100

64 30.9 25.7 38.5

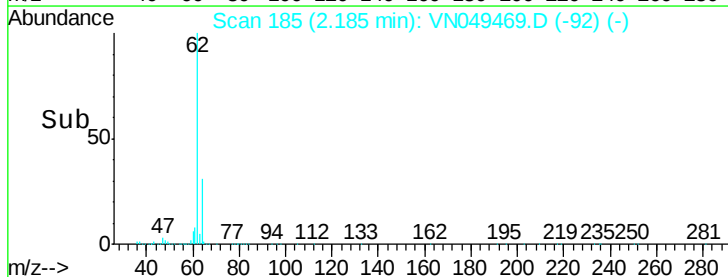


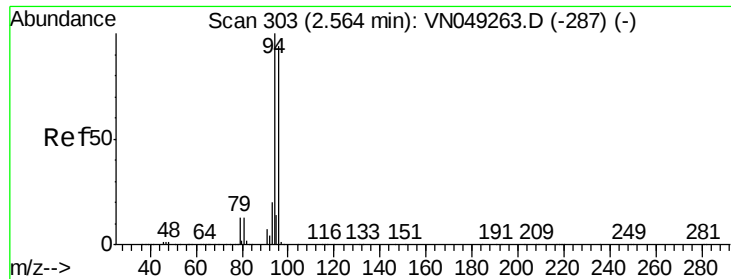
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 17.82 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion: 94 Resp: 201661

Ion Ratio Lower Upper

94 100

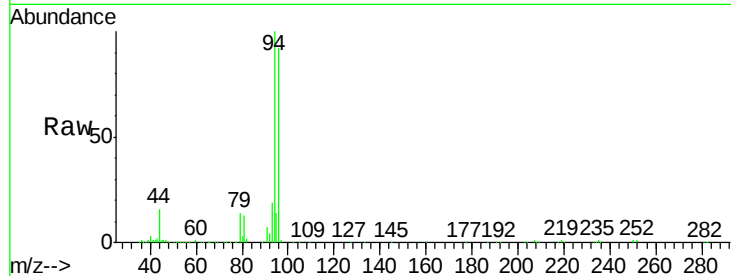
96 92.1 72.8 109.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

120000

100000

80000

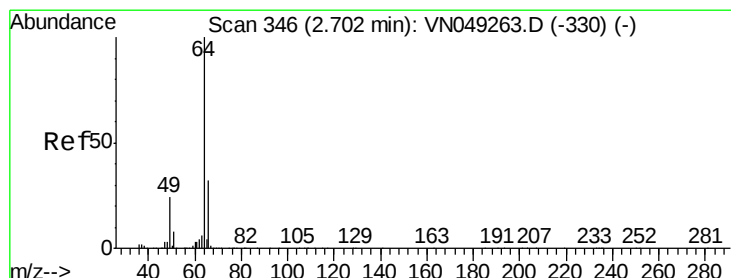
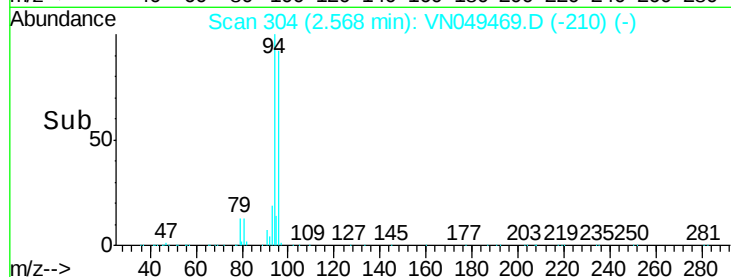
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.95 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049469.D

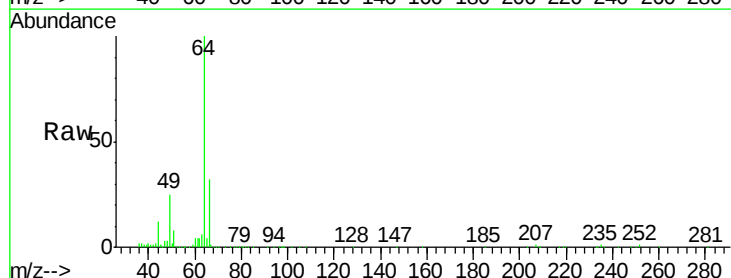
Acq: 21 Jun 2018 15:26

Tgt Ion: 64 Resp: 256057

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

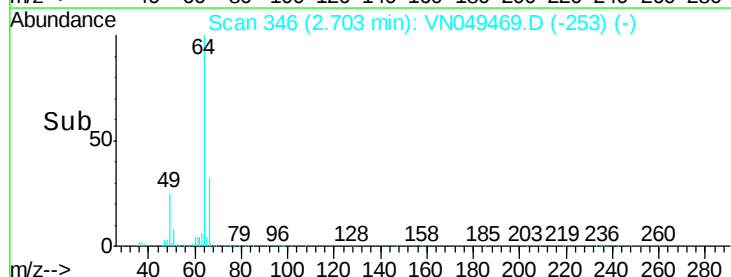
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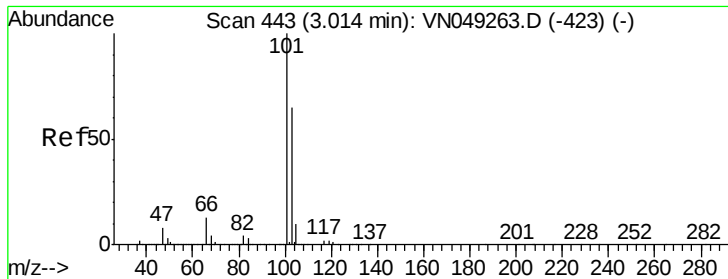
100000

50000

0

Time-->





#7

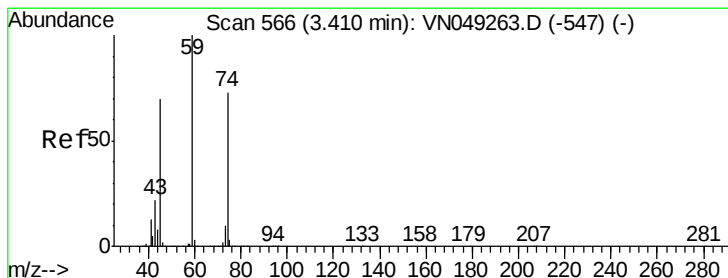
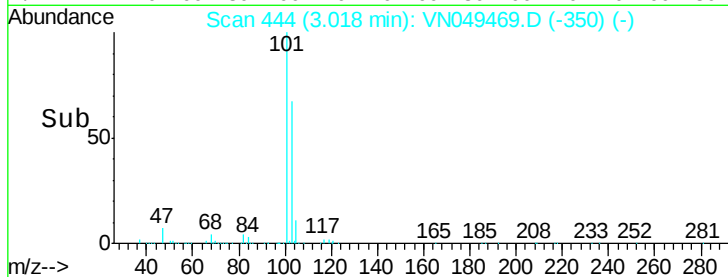
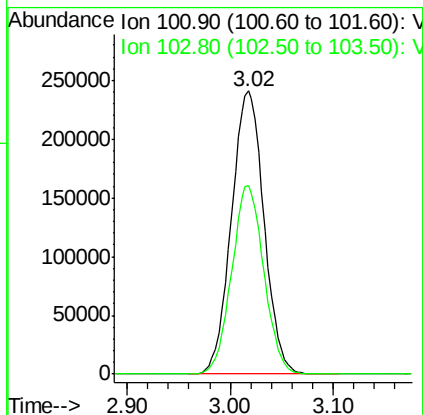
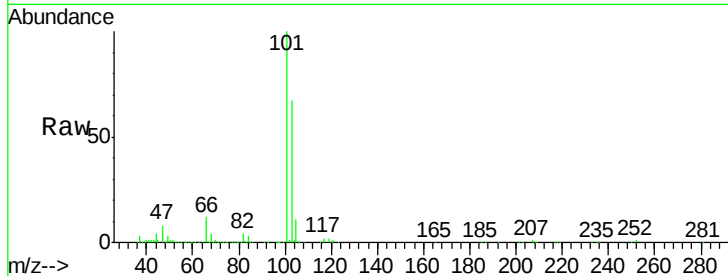
Trichlorofluoromethane
Concen: 19.70 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
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VN0621WBS01

Tot Ion	Ion	Ratio	Lower	Upper
529194	101	100		
	103	66.6	51.7	77.5

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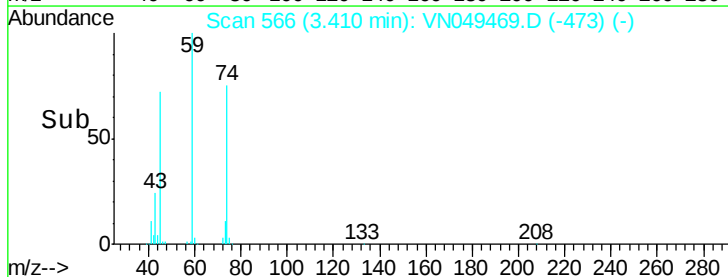
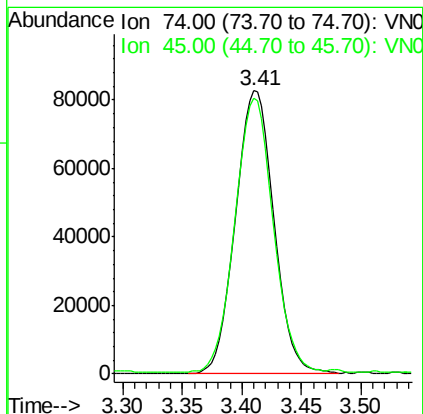
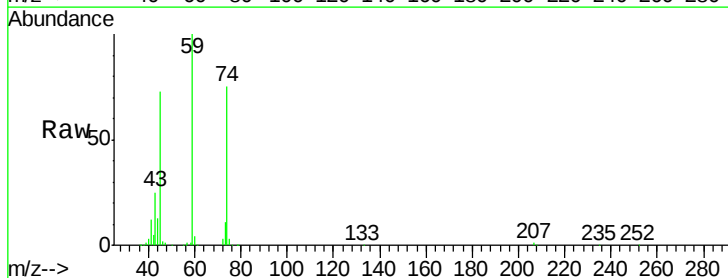
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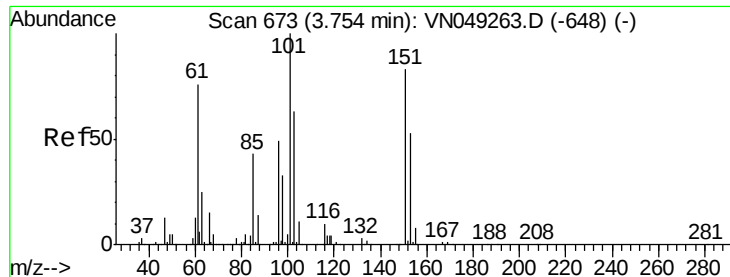


#8

Diethyl Ether
Concen: 19.79 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ion	Ratio	Lower	Upper
185601	74	100		
	45	96.6	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.19 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

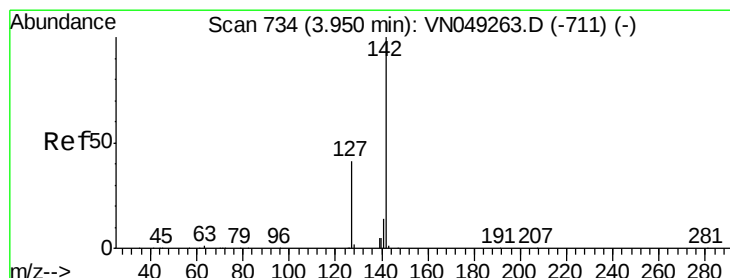
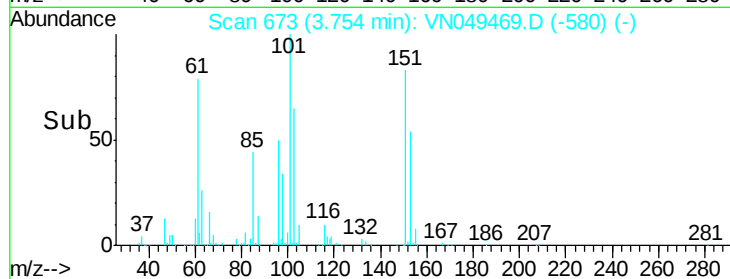
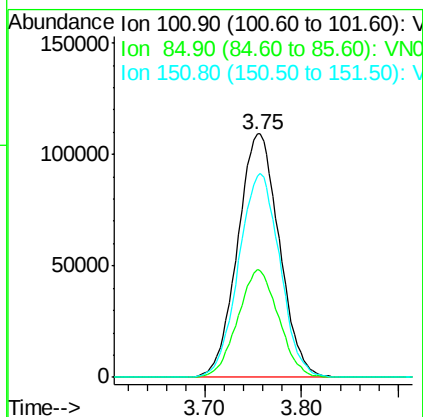
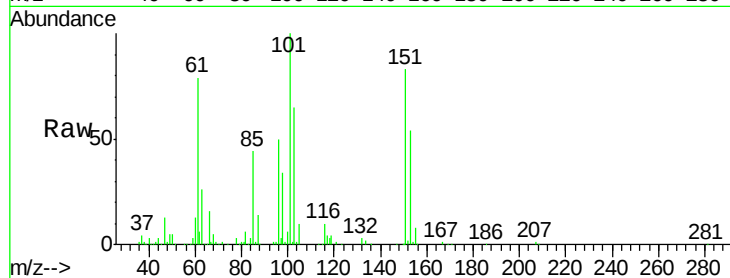
ClientSampled :

VN0621WBS01

Tot Ion:	101	Resp:	326817
Ion Ratio	Lower	Upper	
101	100		
85	43.1	37.6	56.4
151	83.0	61.1	91.7

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#10

Methyl Iodide

Concen: 19.34 ug/l

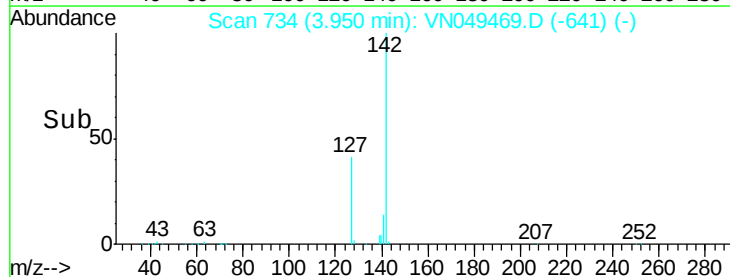
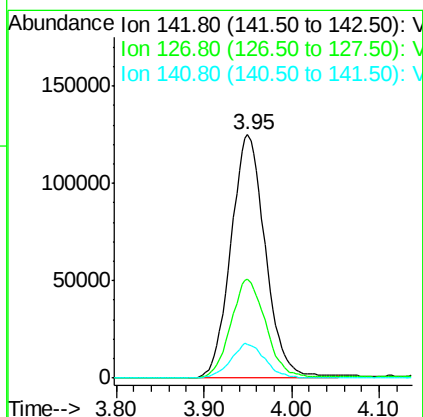
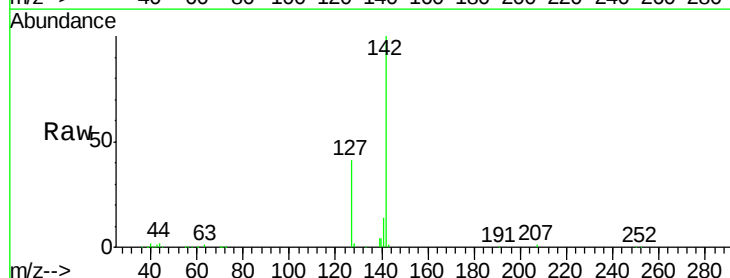
RT: 3.95 min Scan# 734

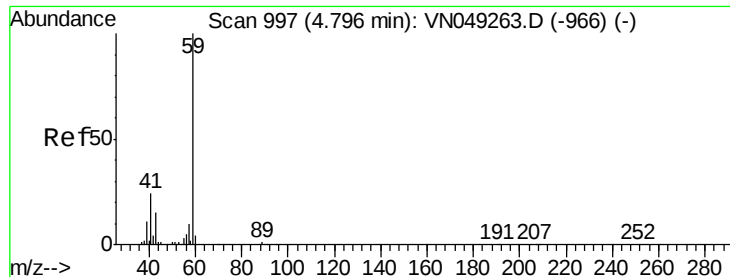
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	142	Resp:	342874
Ion Ratio	Lower	Upper	
142	100		
127	41.5	38.2	57.4
141	14.2	11.9	17.9





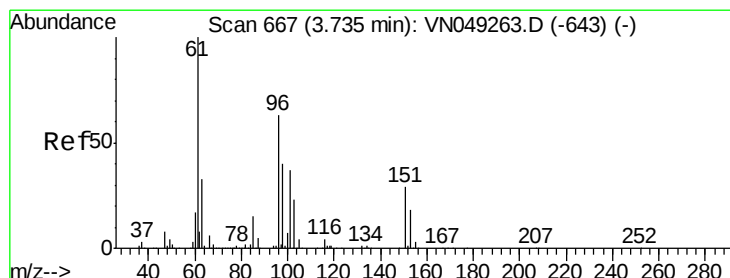
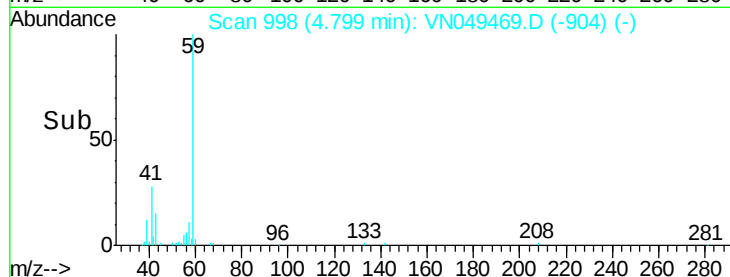
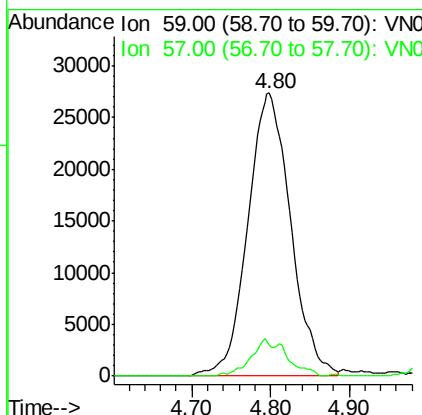
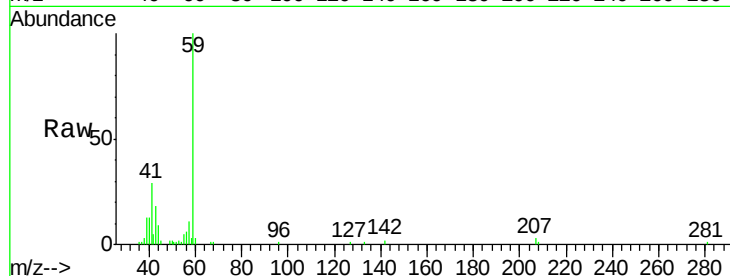
#11
Tert butyl alcohol
Concen: 98.65 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.4	9.0	13.6#

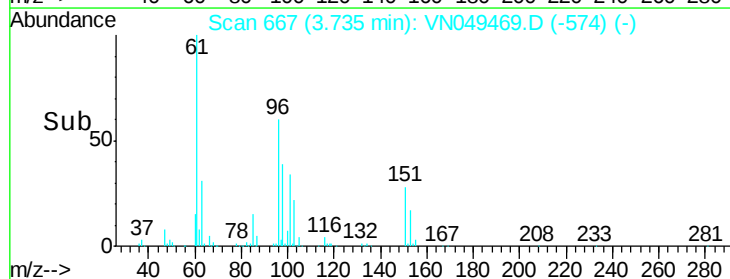
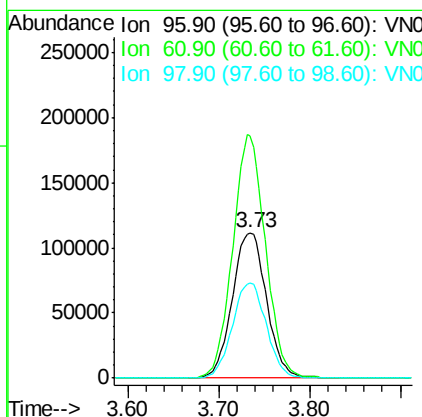
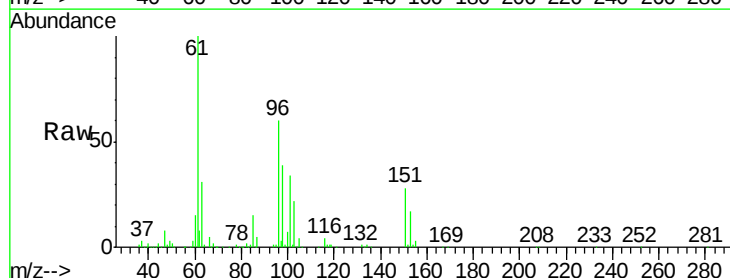
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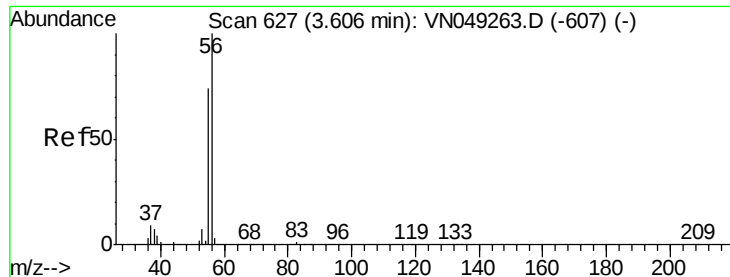
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#12
1,1-Dichloroethene
Concen: 18.65 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.9	141.0	211.4
98	65.6	50.4	75.6





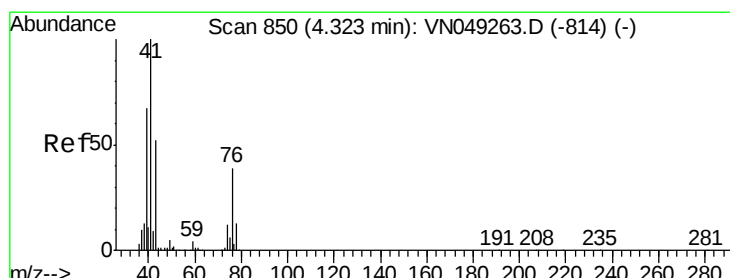
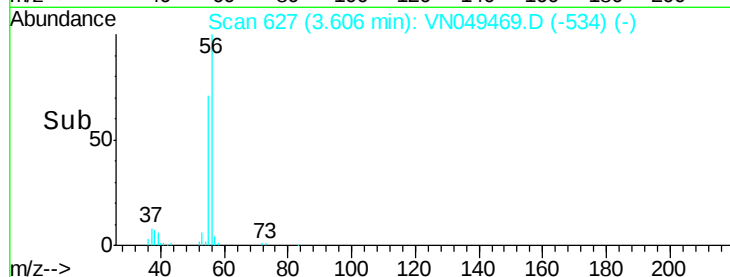
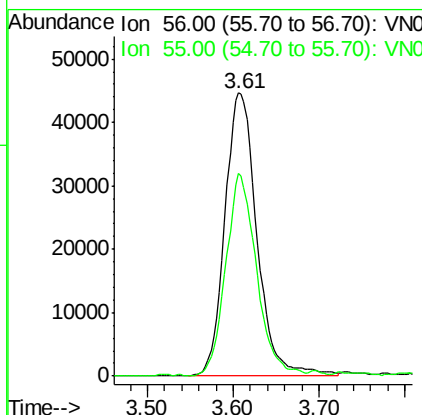
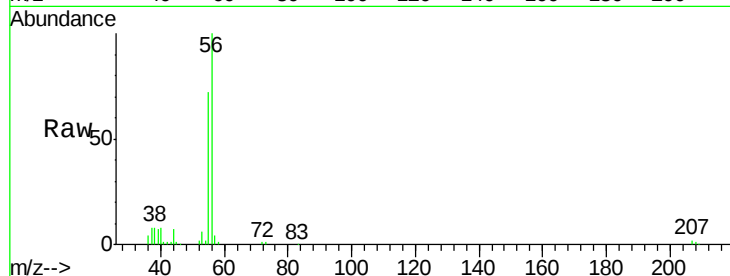
#13
Acrolein
Concen: 103.95 ug/l
RT: 3.61 min Scan# 627
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	56	Resp	115650
Ion Ratio	100	Lower	Upper
55	68.9	57.1	85.7

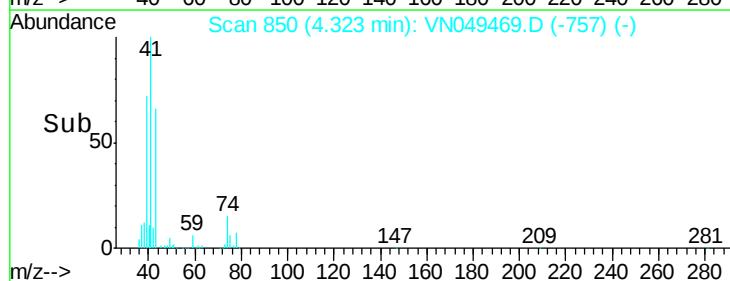
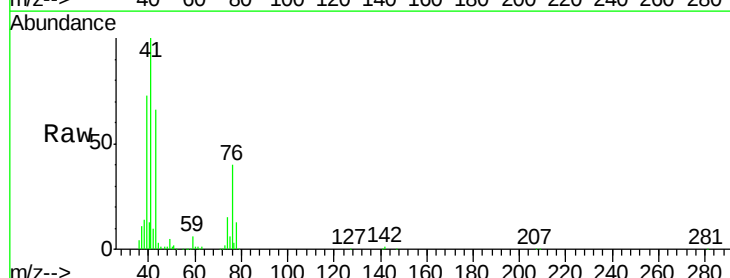
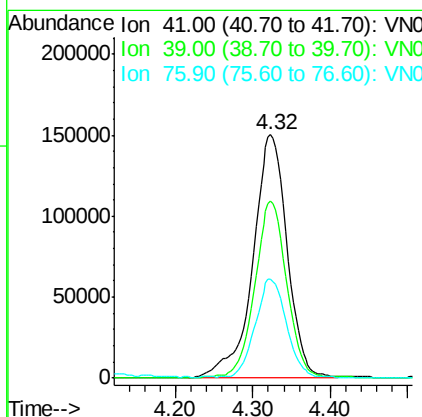
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#14
Allyl chloride
Concen: 18.69 ug/l
RT: 4.32 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	41	Resp	461136
Ion Ratio	100	Lower	Upper
39	67.9	62.5	93.7
76	37.3	27.1	40.7





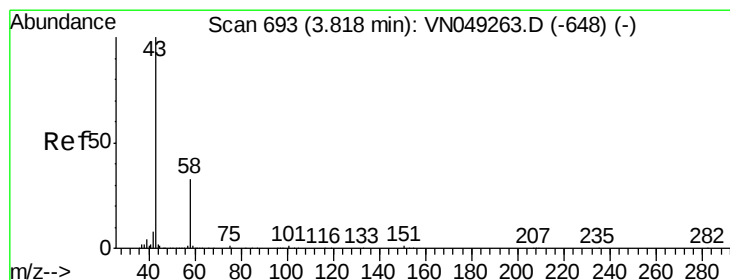
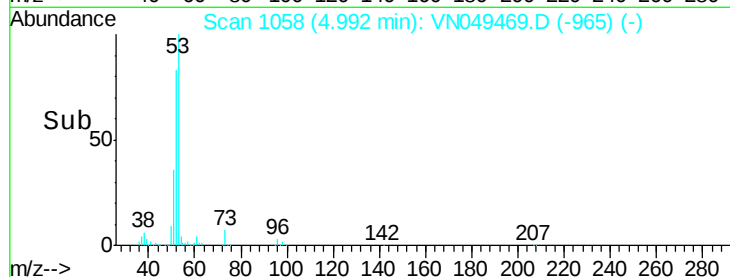
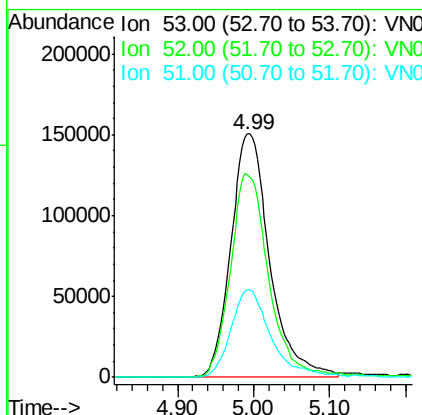
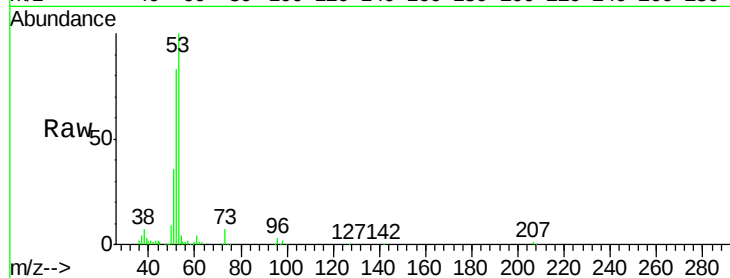
#15
 Acrylonitrile
 Concen: 100.95 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.6	100.0
51	37.2	29.8	44.8

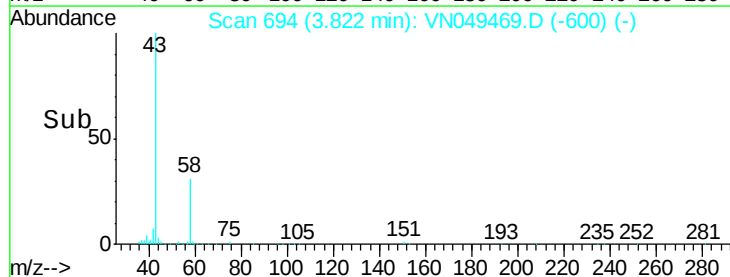
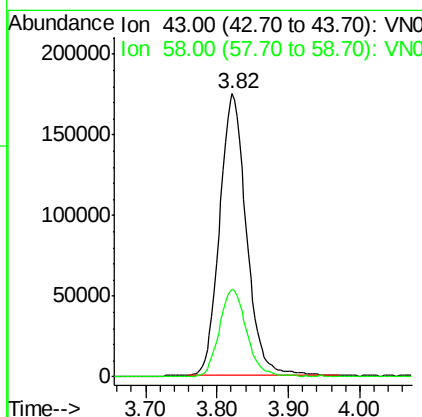
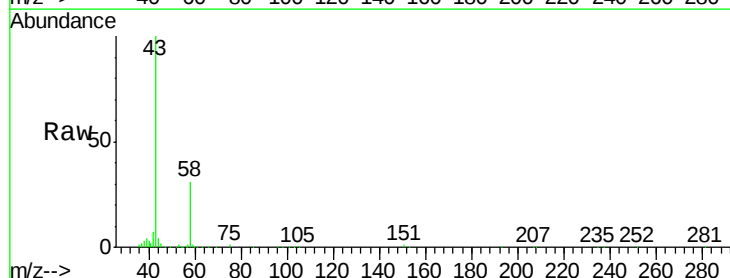
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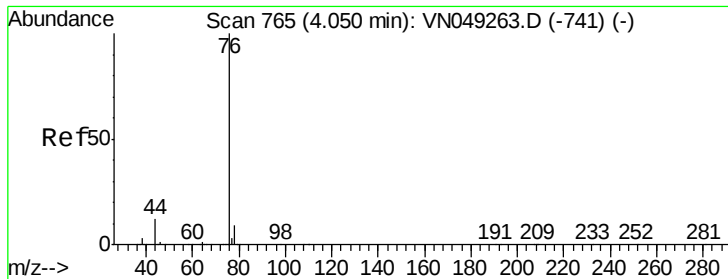
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#16
 Acetone
 Concen: 103.19 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.8	22.4	33.6





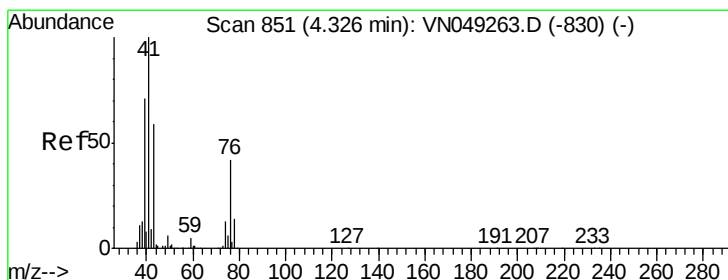
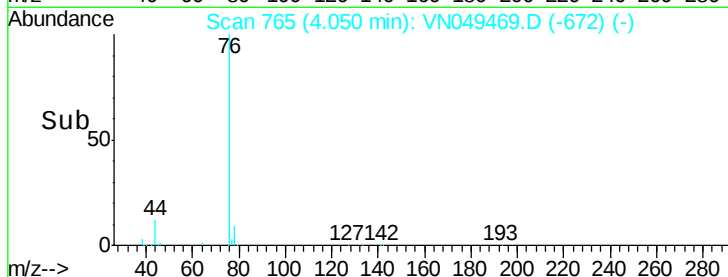
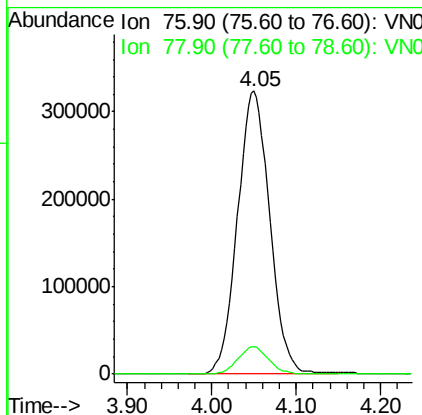
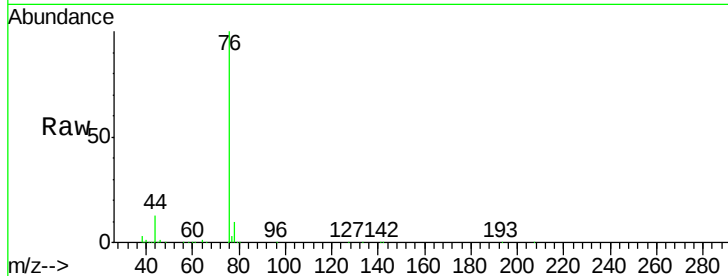
#17
Carbon Disulfide
Concen: 17.62 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.0

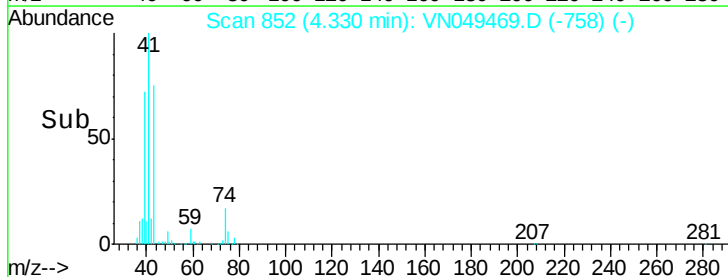
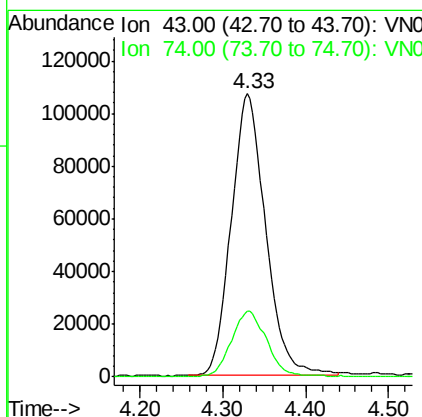
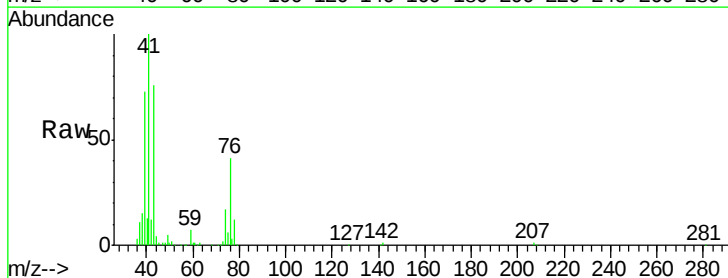
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#18
Methyl Acetate
Concen: 23.12 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.4	26.0





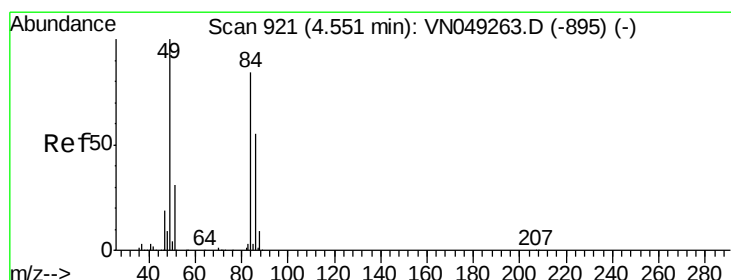
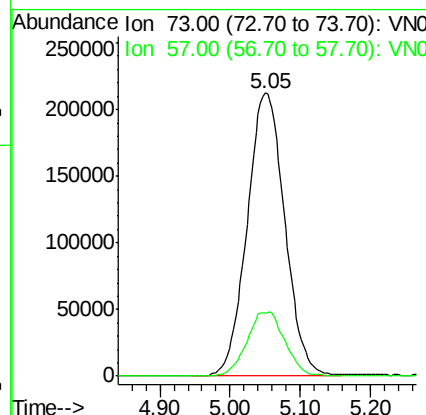
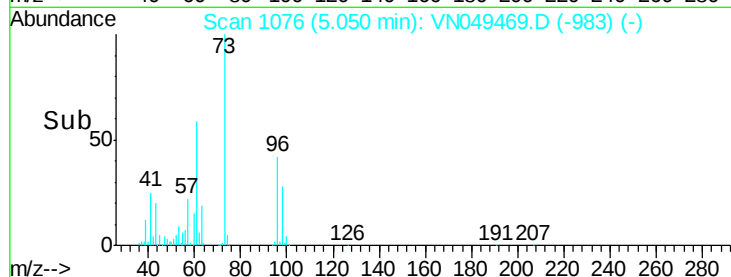
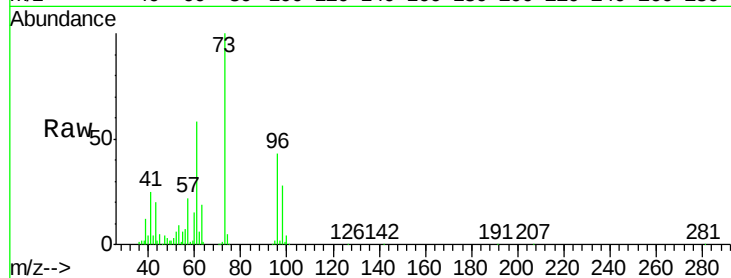
#19
Methyl tert-butyl Ether
Concen: 19.84 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.2	27.4

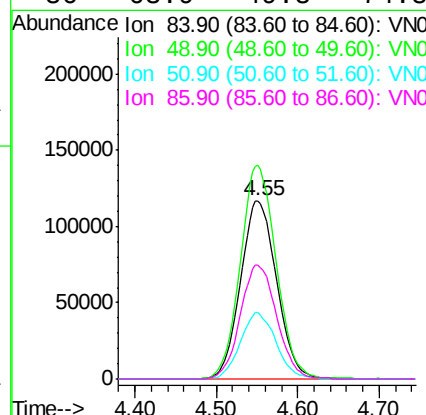
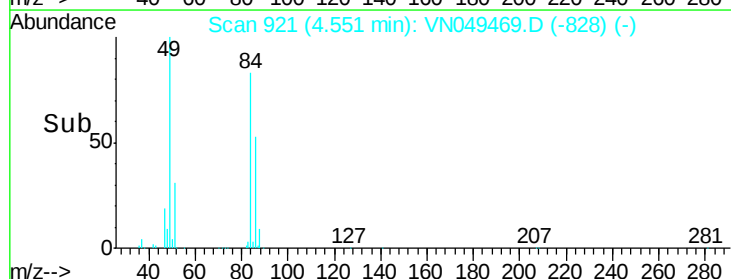
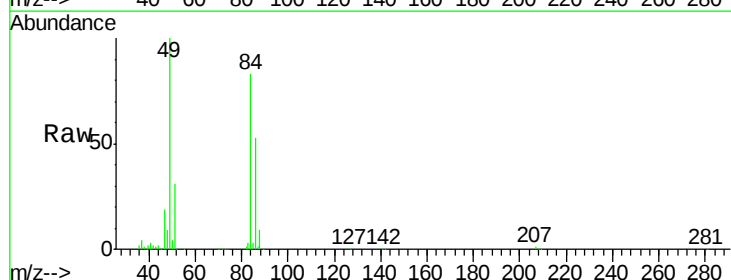
Manual Integrations
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#20
Methylene Chloride
Concen: 19.53 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.9	106.9	160.3
51	37.6	32.7	49.1
86	63.9	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.68 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

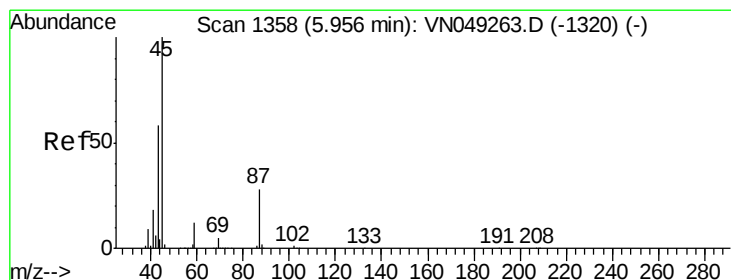
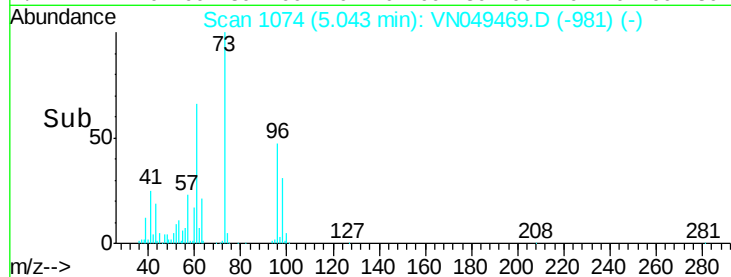
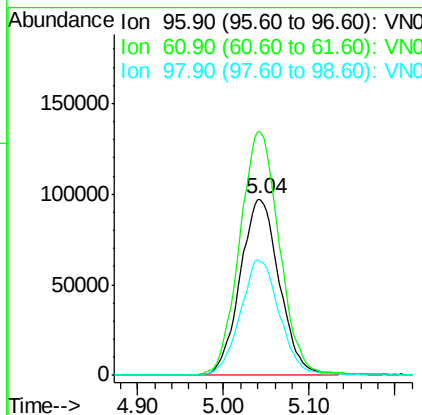
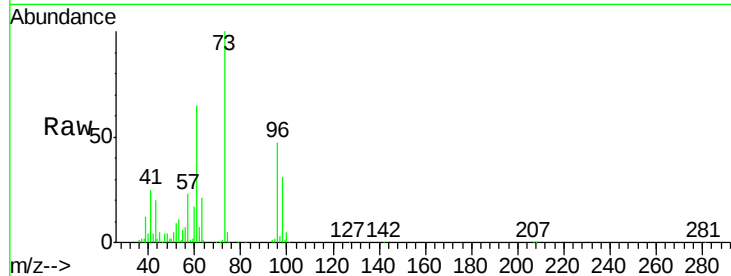
ClientSampleId :

VN0621WBS01

Tot Ion:	96	Resp:	309120
Ion Ratio	Lower	Upper	
96	100		
61	138.3	121.3	181.9
98	65.3	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.01 ug/l

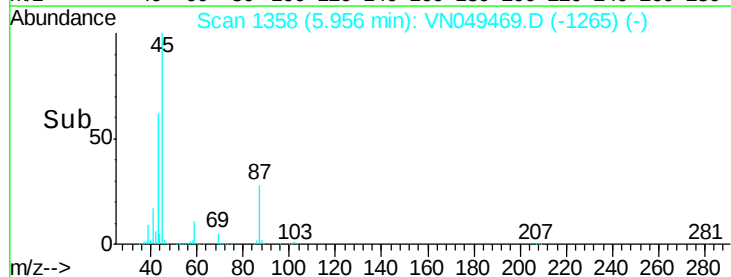
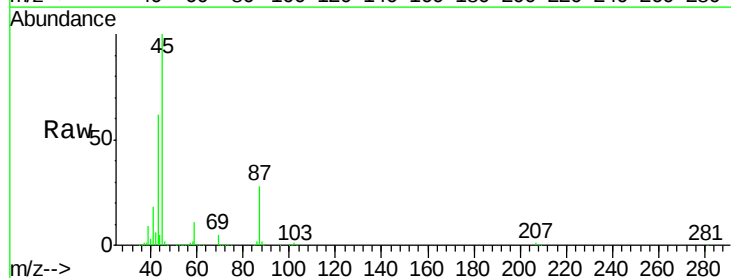
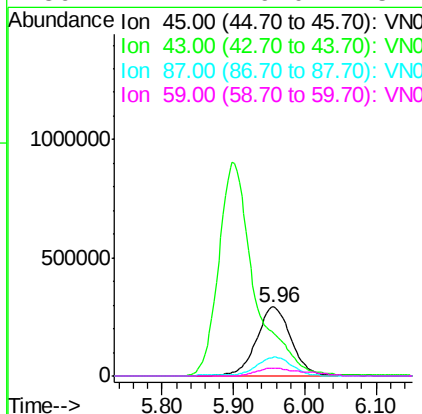
RT: 5.96 min Scan# 1358

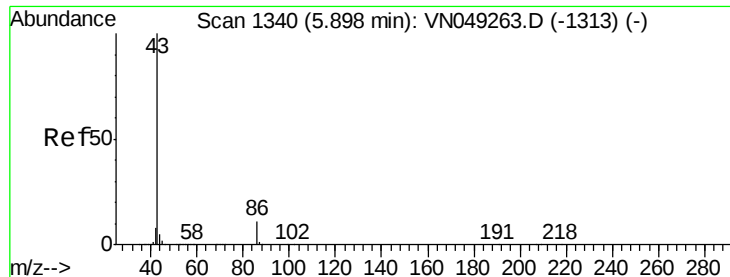
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	45	Resp:	986111
Ion Ratio	Lower	Upper	
45	100		
43	60.6	48.6	72.8
87	27.0	20.2	30.2
59	11.1	9.0	13.4





#23

Vinyl Acetate

Concen: 98.34 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0621WBS01

Tot Ion: 43 Resp: 3158977

Ion Ratio Lower Upper

43 100

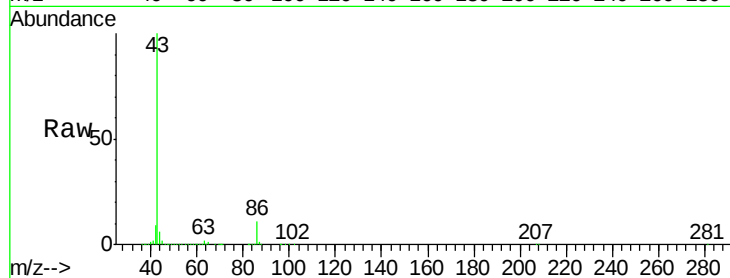
86 10.6 7.2 10.8

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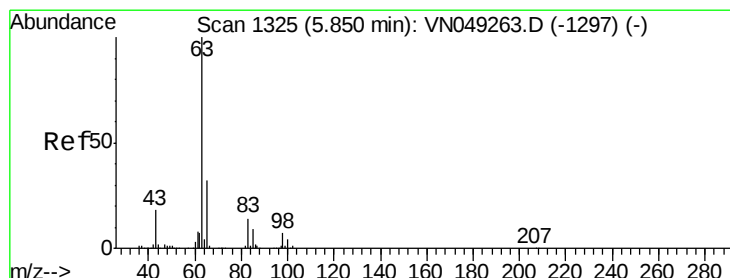
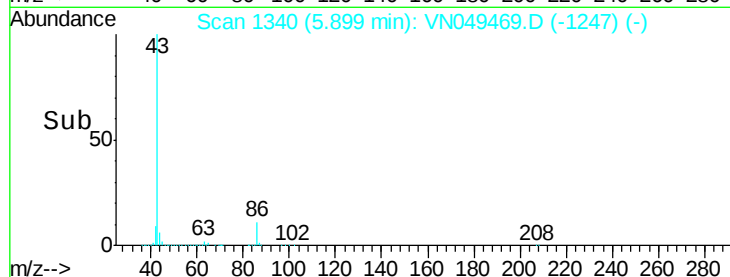
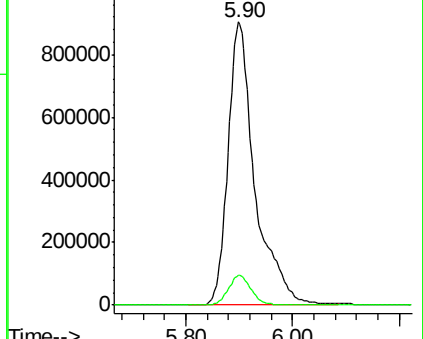
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.35 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

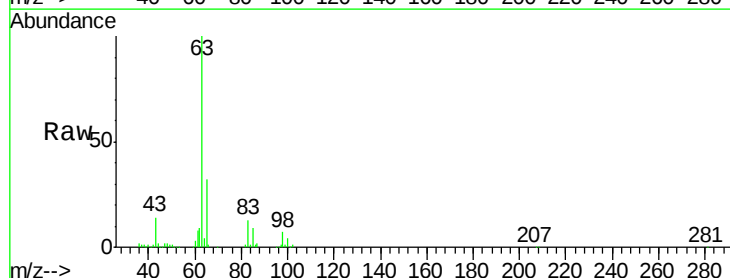
Tgt Ion: 63 Resp: 610353

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

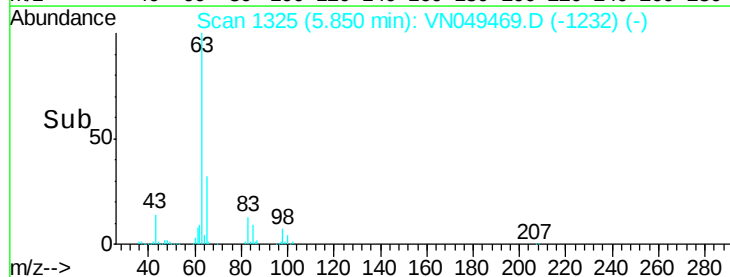
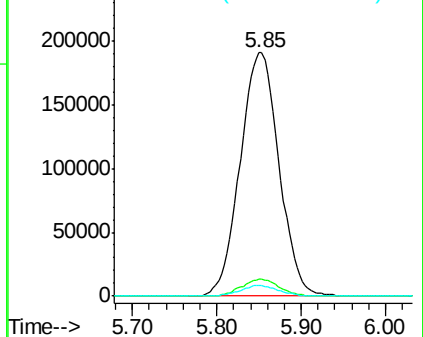
100 4.3 2.1 6.3

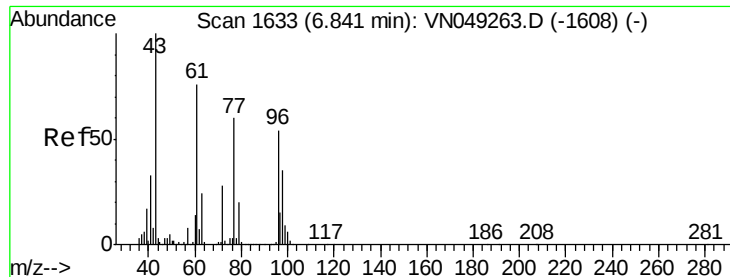


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 103.11 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion: 43 Resp: 607646

Ion Ratio Lower Upper

43 100

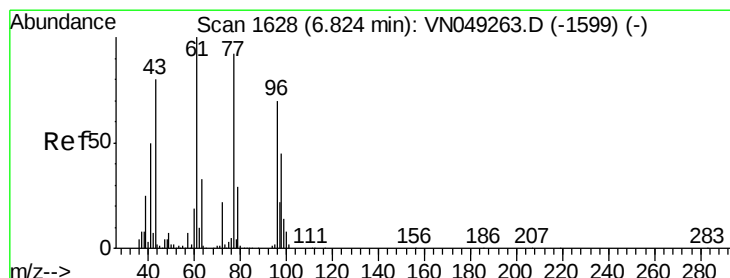
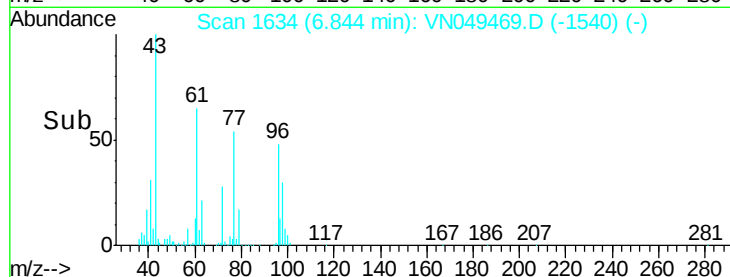
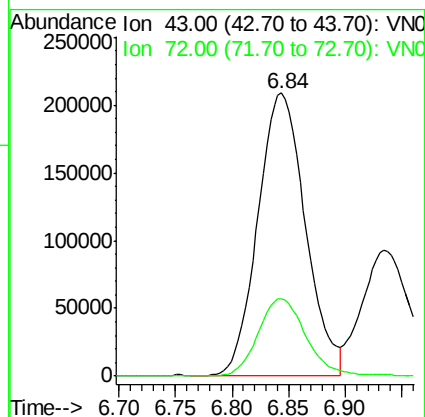
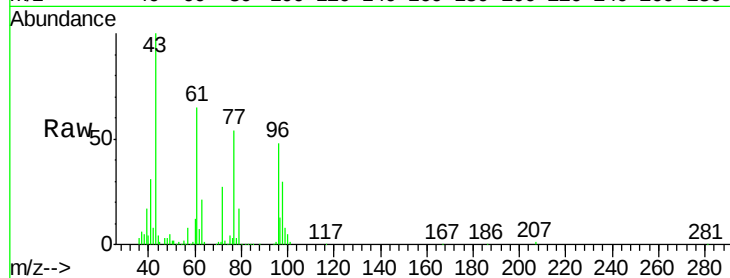
72 27.5 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 19.21 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049469.D

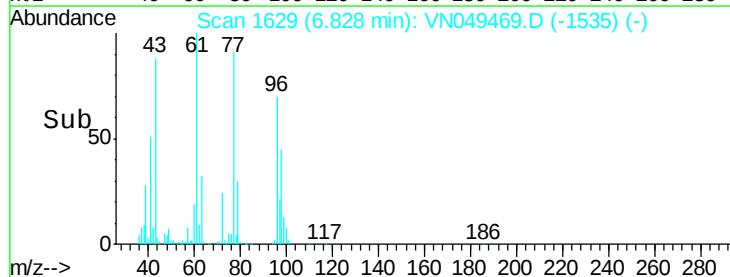
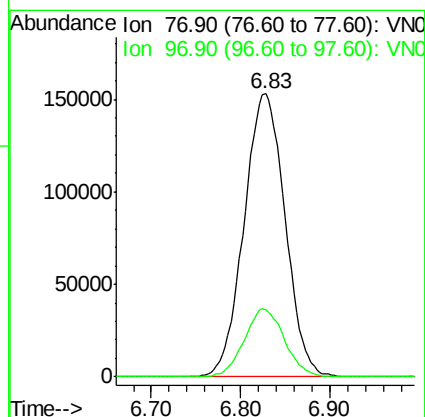
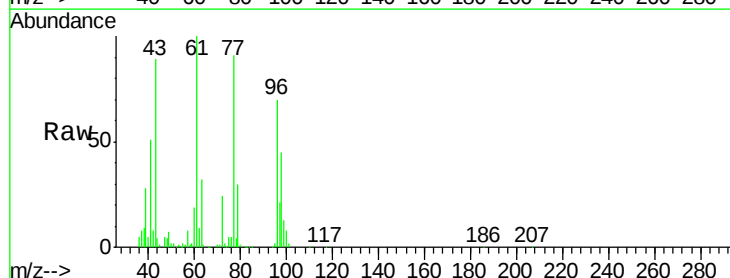
Acq: 21 Jun 2018 15:26

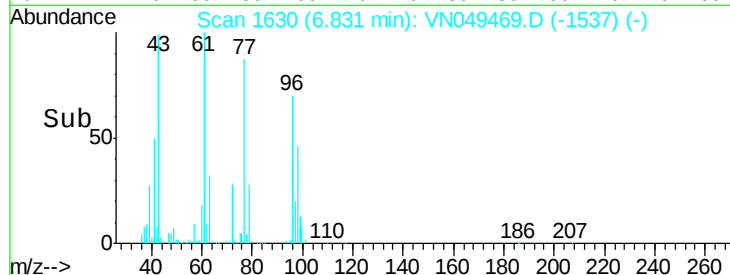
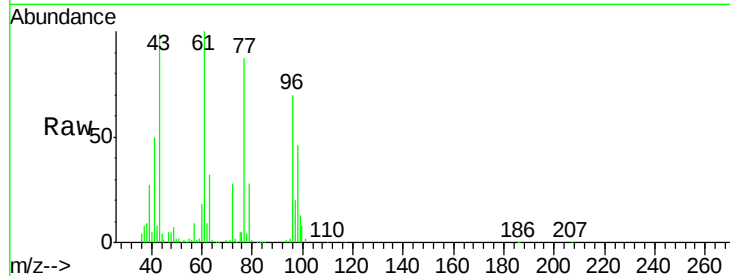
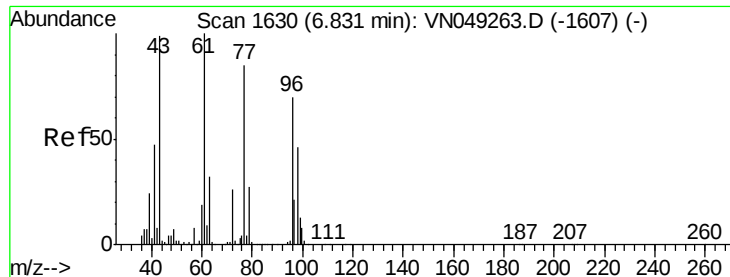
Tgt Ion: 77 Resp: 489327

Ion Ratio Lower Upper

77 100

97 23.5 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.47 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049469.D

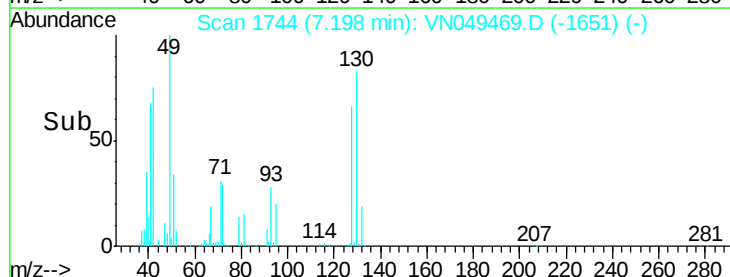
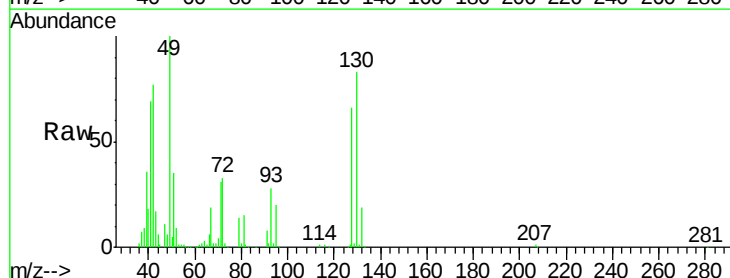
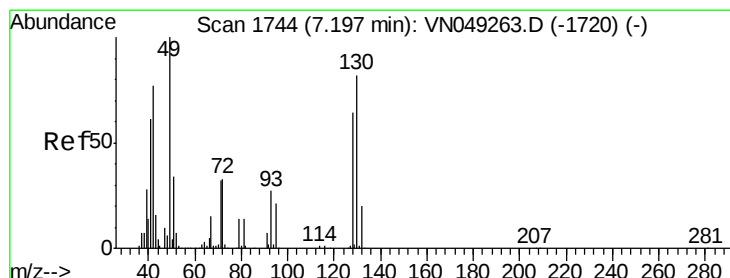
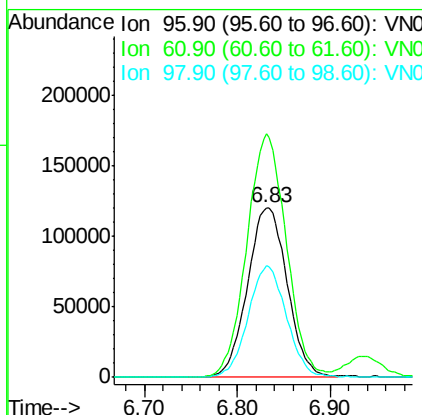
Acq: 21 Jun 2018 15:26

Tot Ion	Ratio	Resp	Lower	Upper
96	100	358183		
61	142.2	0.0	316.4	
98	63.3	0.0	128.4	

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

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#28

Bromochloromethane

Concen: 18.61 ug/l

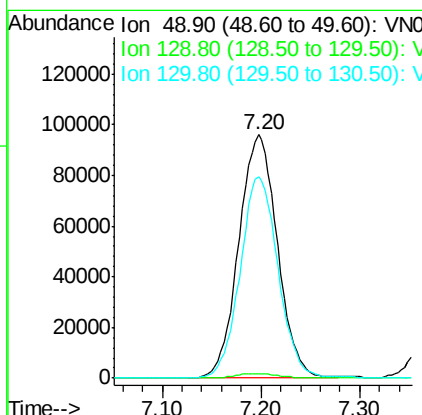
RT: 7.20 min Scan# 1744

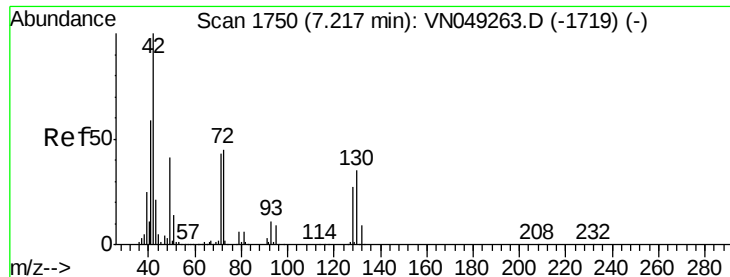
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	260182		
129	2.0	0.0	3.8	
130	81.4	54.9	82.3	





#29

Tetrahydrofuran

Concen: 101.32 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

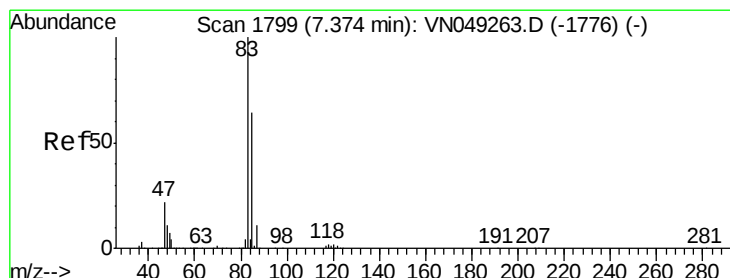
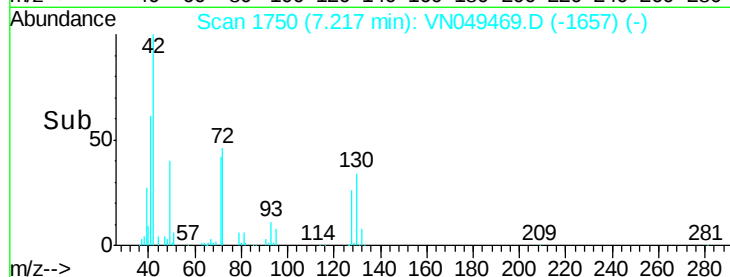
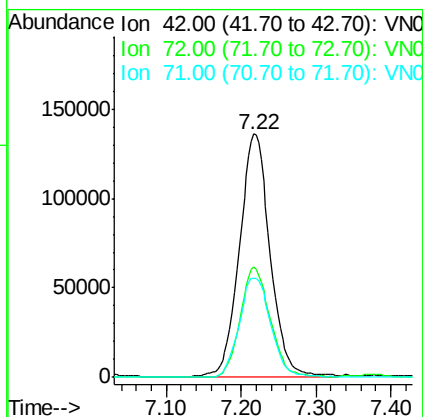
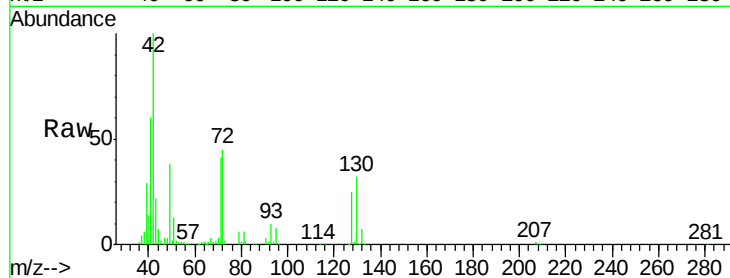
ClientSampleId :

VN0621WBS01

Tot Ion:	42	Resp:	384351
Ion Ratio		Lower	Upper
42	100		
72	44.8	32.2	48.4
71	42.4	30.5	45.7

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#30

Chloroform

Concen: 19.81 ug/l

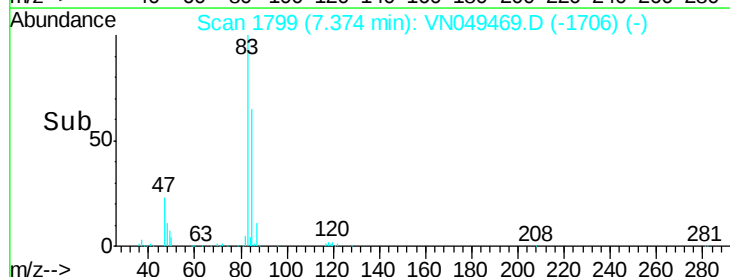
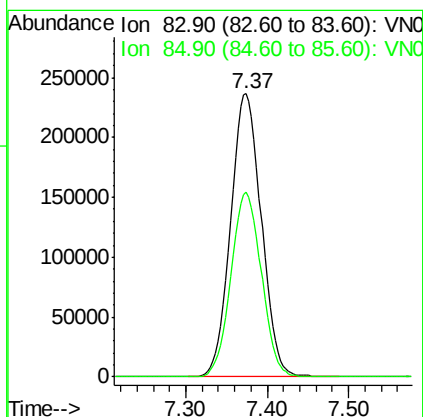
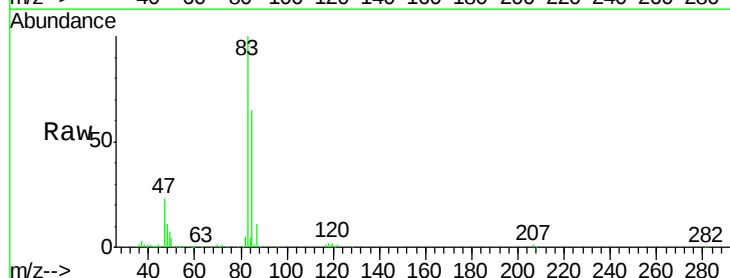
RT: 7.37 min Scan# 1799

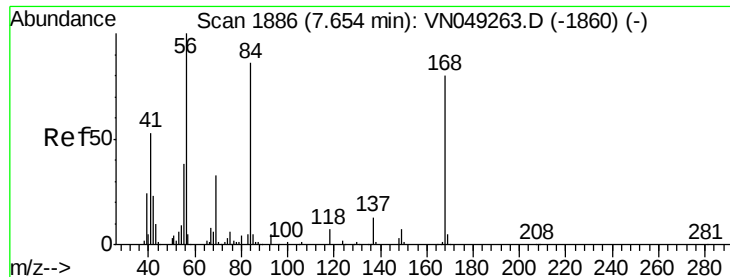
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	83	Resp:	621649
Ion Ratio		Lower	Upper
83	100		
85	65.2	51.7	77.5





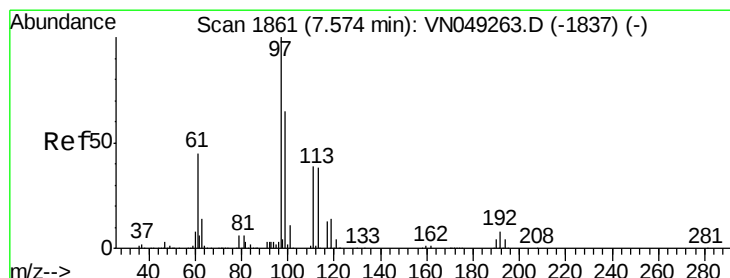
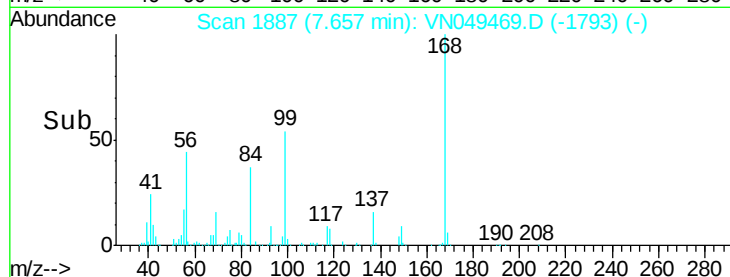
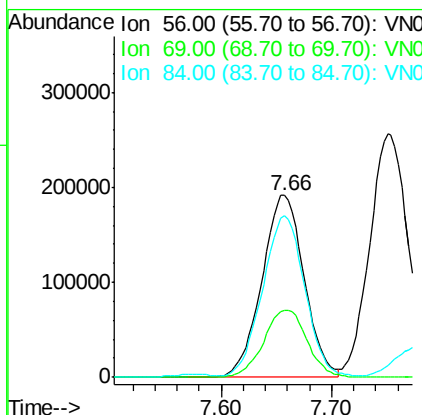
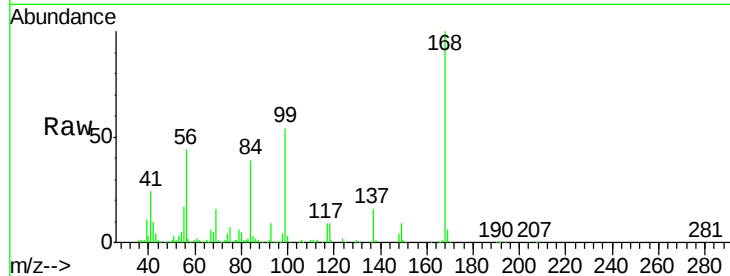
#31
Cyclohexane
Concen: 18.92 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.0	25.0	37.4
84	87.1	64.6	96.8

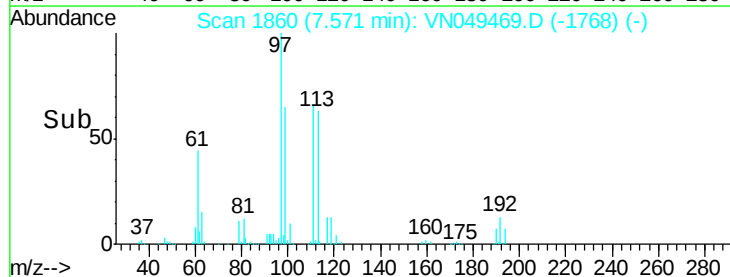
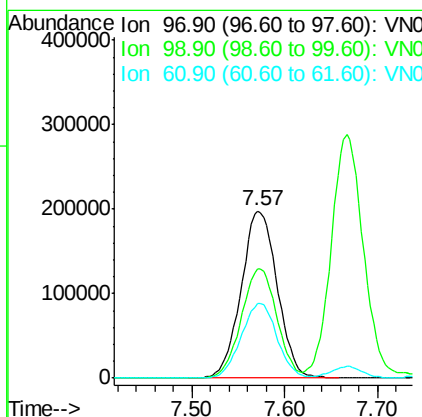
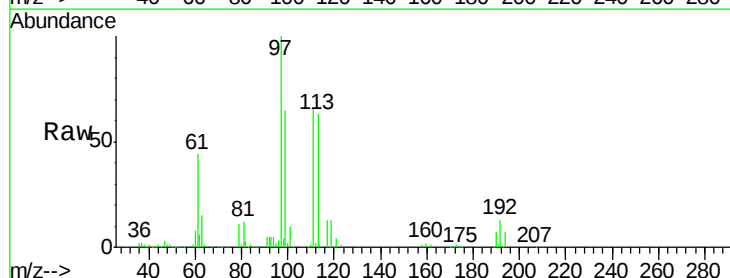
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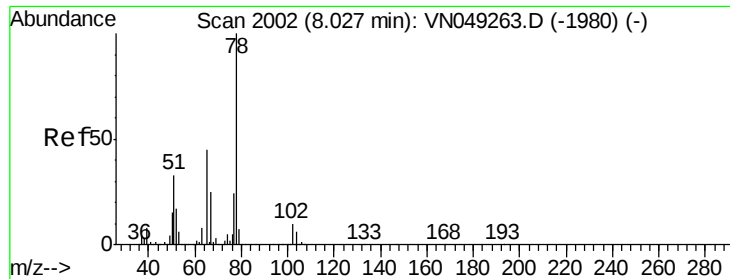
apatel
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#32
1,1,1-Trichloroethane
Concen: 19.94 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.5	75.7
61	44.6	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 48.64 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion: 65 Resp: 879148

Ion Ratio Lower Upper

65 100

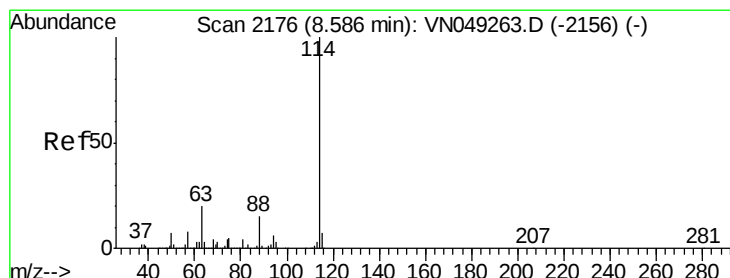
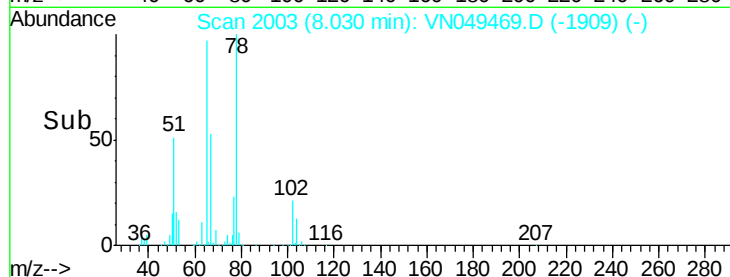
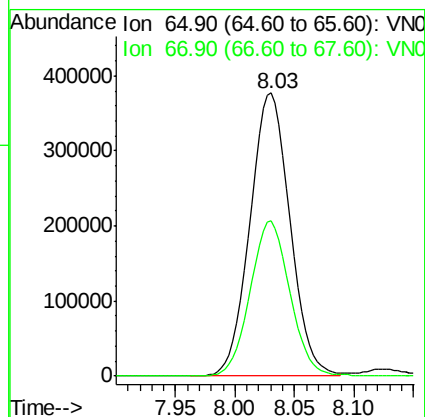
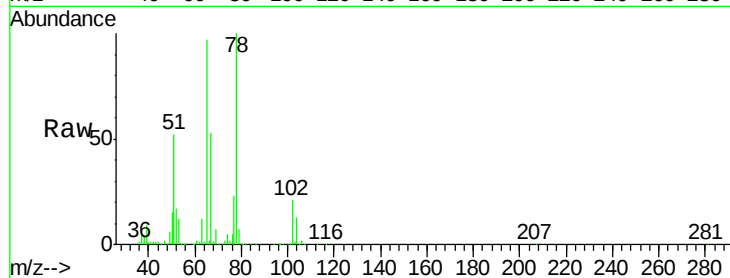
67 54.5 0.0 103.8

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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: VN049469.D

Acq: 21 Jun 2018 15:26

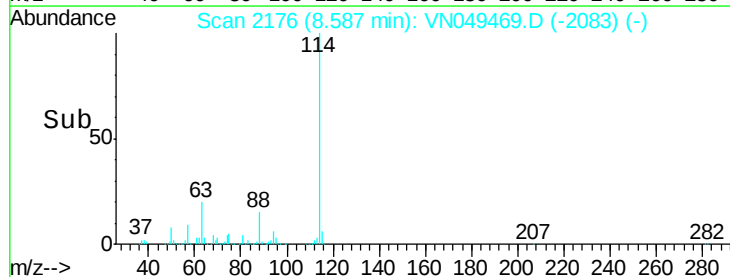
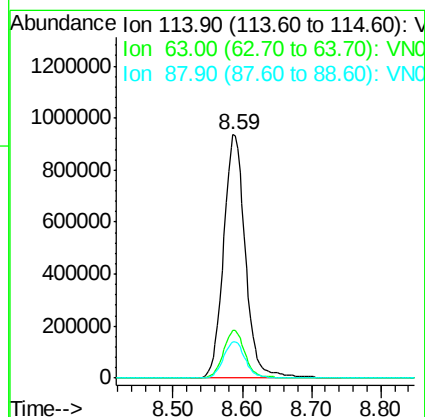
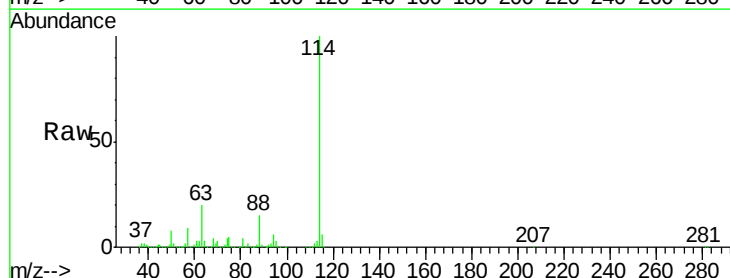
Tgt Ion: 114 Resp: 2049321

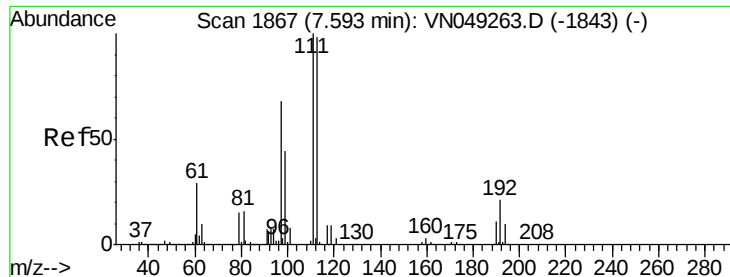
Ion Ratio Lower Upper

114 100

63 19.8 0.0 44.4

88 15.0 0.0 31.4





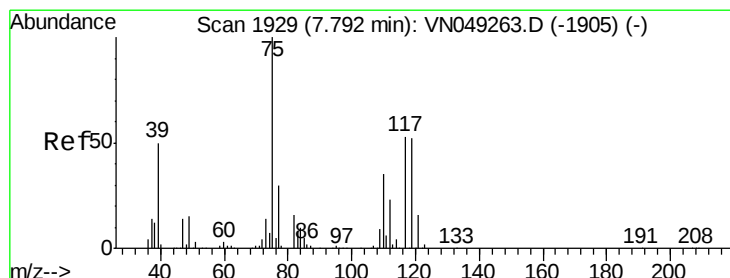
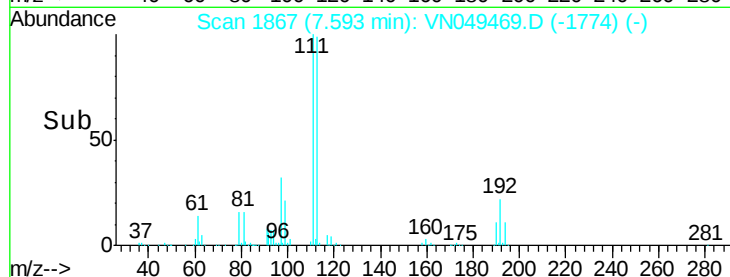
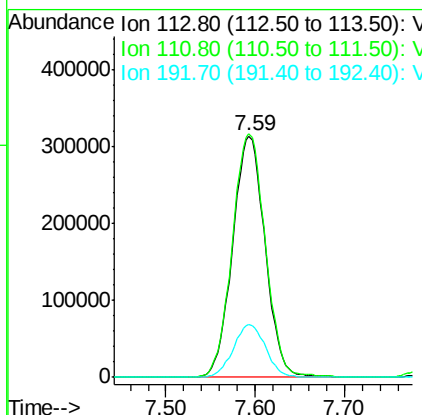
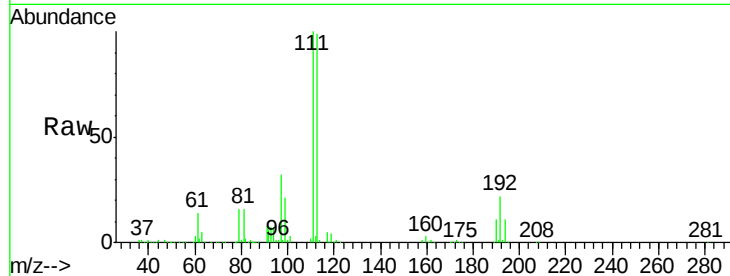
#35
 Dibromofluoromethane
 Concen: 47.66 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	790123		
111	102.8	82.4	123.6	
192	21.8	15.0	22.6	

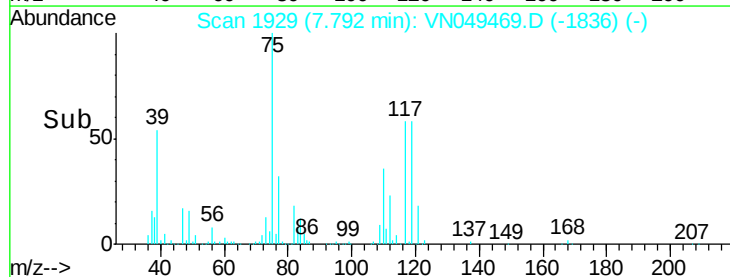
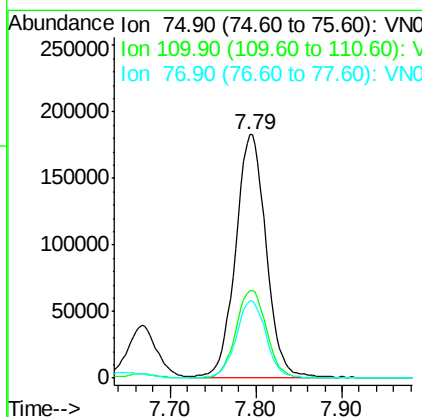
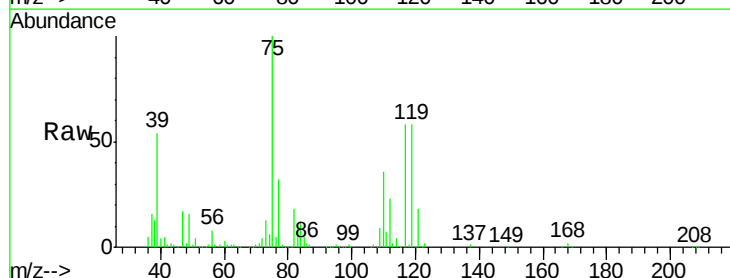
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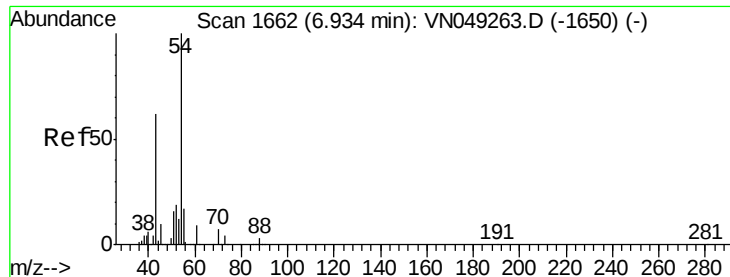
apatel
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#36
 1,1-Dichloropropene
 Concen: 19.12 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	448965		
110	36.4	17.0	50.9	
77	30.6	24.4	36.6	





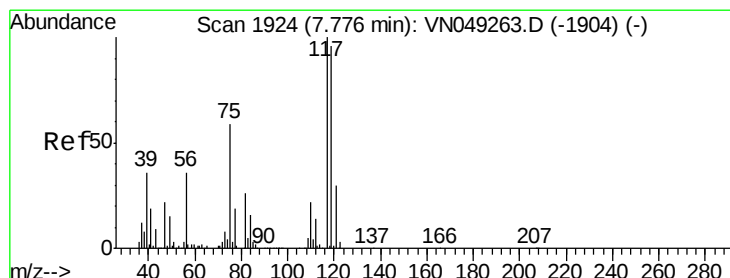
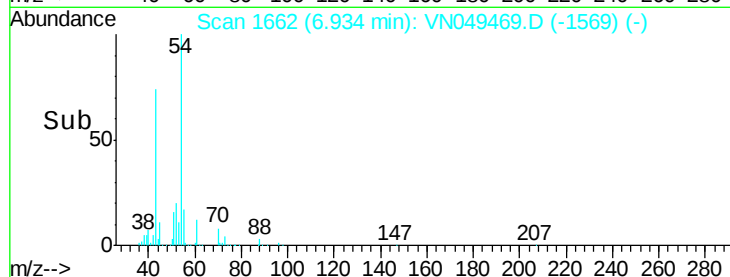
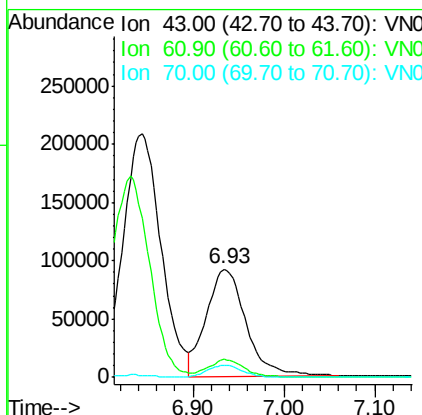
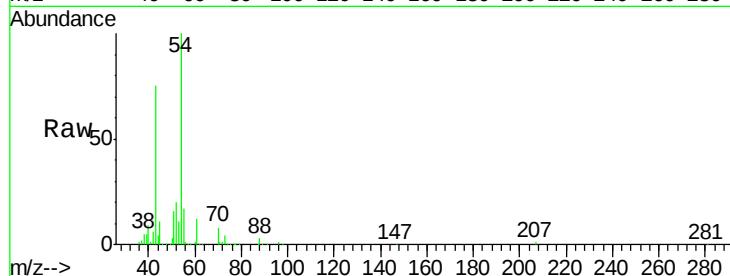
#37
Ethyl Acetate
Concen: 21.77 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampled :
VN0621WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	9.5	7.2	10.8

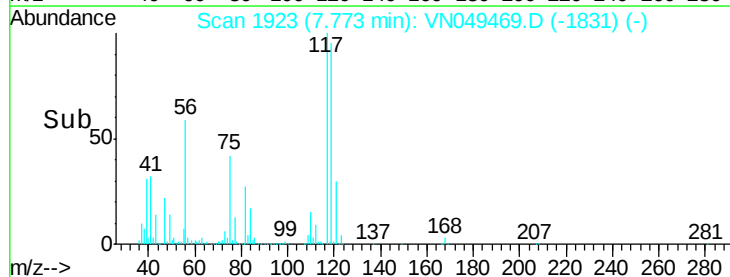
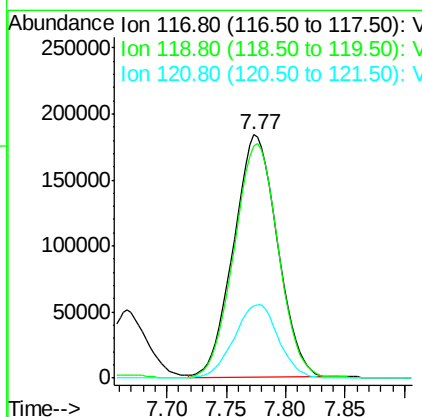
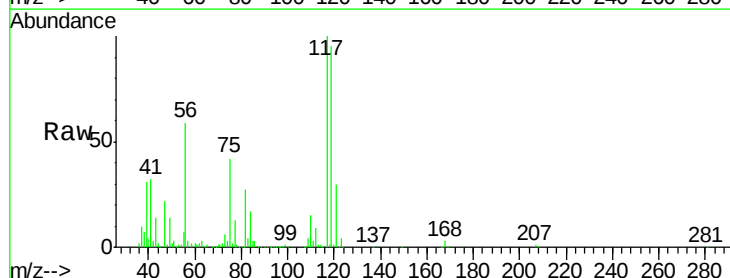
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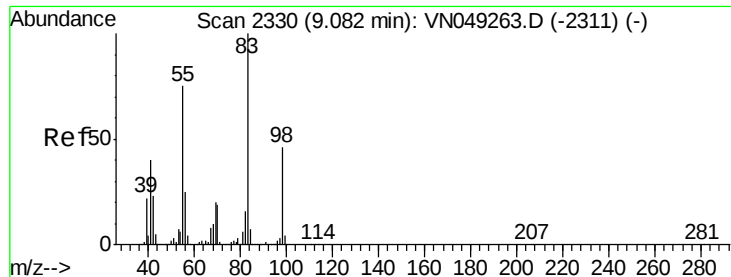
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#38
Carbon Tetrachloride
Concen: 19.26 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.6	113.4
121	29.7	24.7	37.1





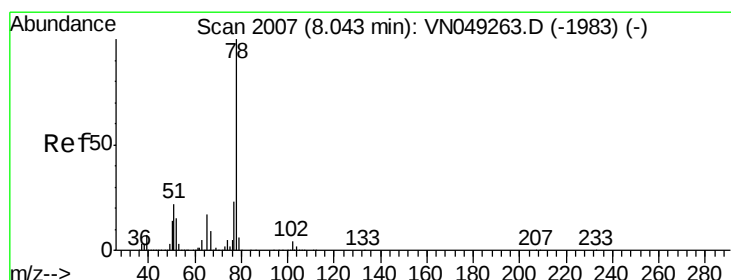
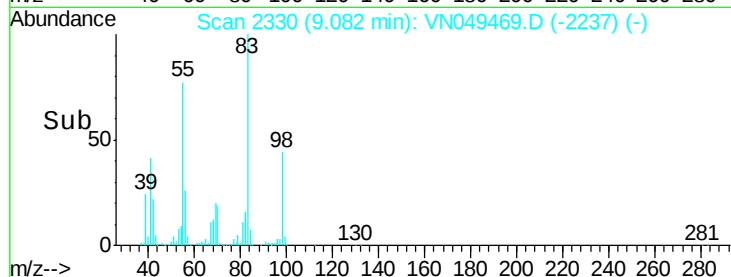
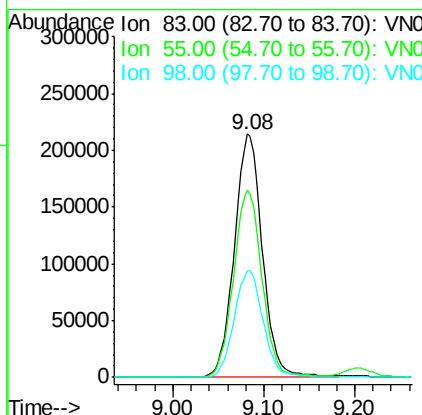
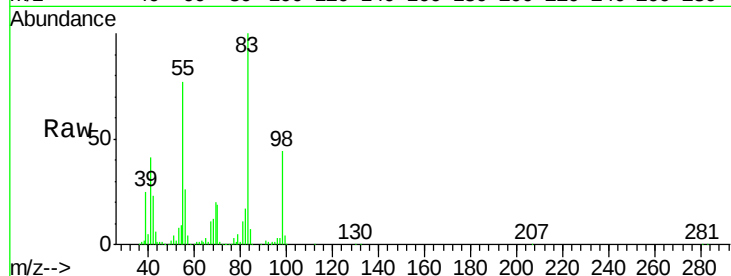
#39
Methvlcvclohexane
Concen: 18.23 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	65.1	97.7
98	43.6	36.5	54.7

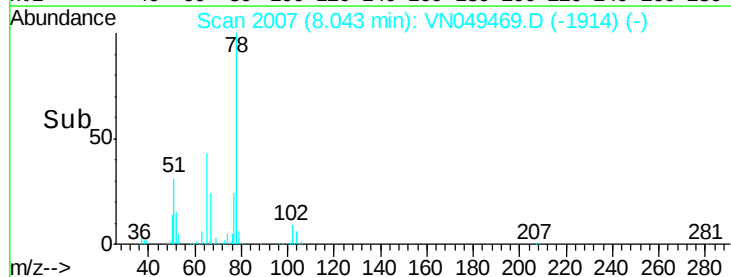
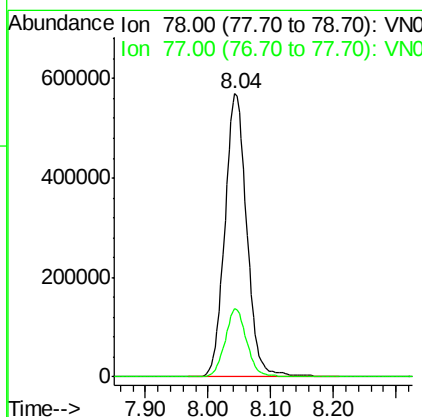
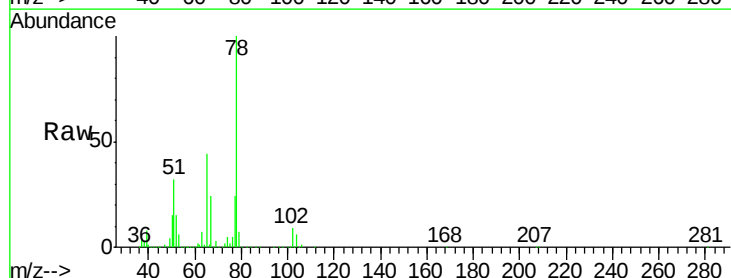
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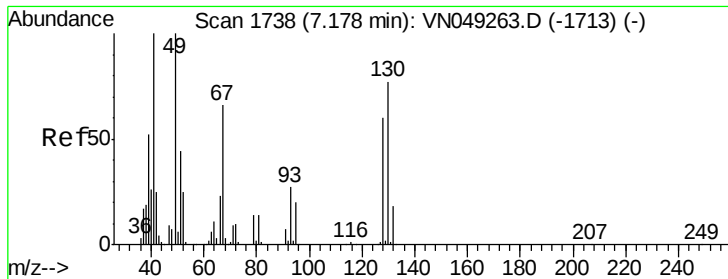
apatel
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#40
Benzene
Concen: 19.20 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.0





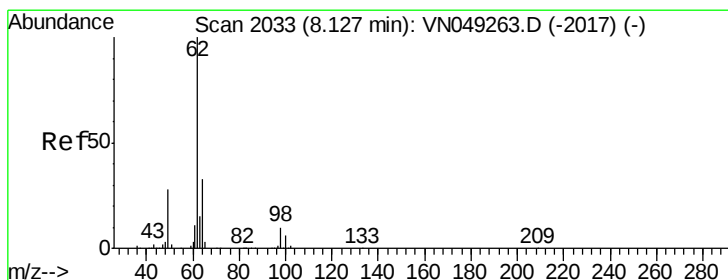
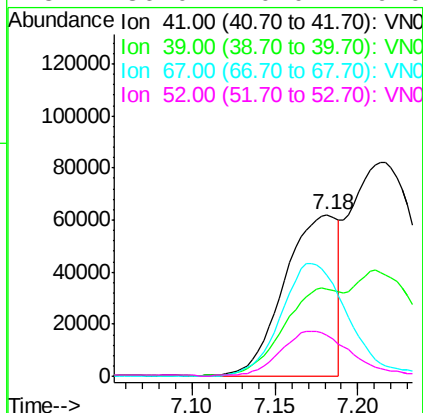
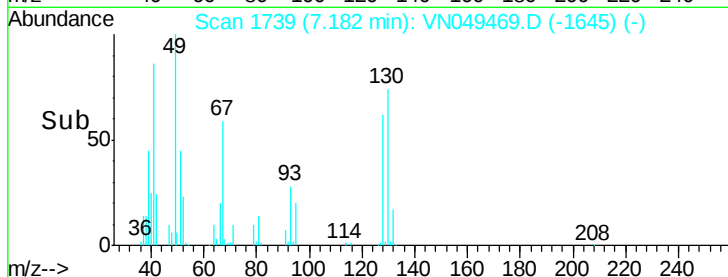
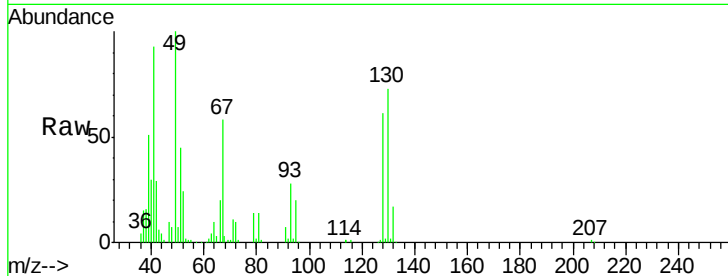
#41
Methacrylonitrile
Concen: 19.99 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	41	Resp	138010
Ion	Ratio	Lower	Upper
41	100		
39	59.6	0.0	0.0#
67	88.7	0.0	0.0#
52	36.0	0.0	0.0#

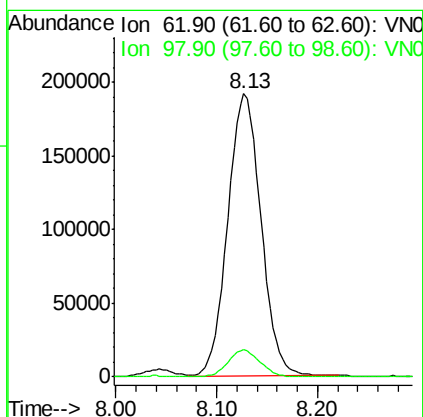
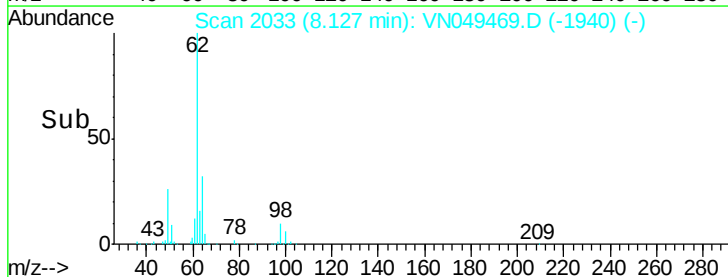
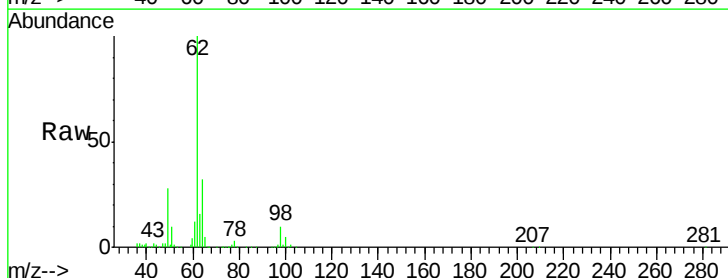
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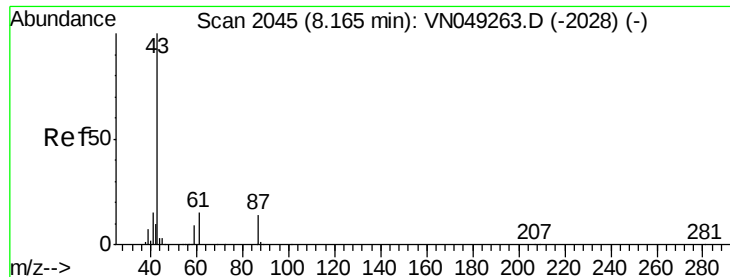
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#42
1,2-Dichloroethane
Concen: 19.79 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	62	Resp	440310
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 23.15 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

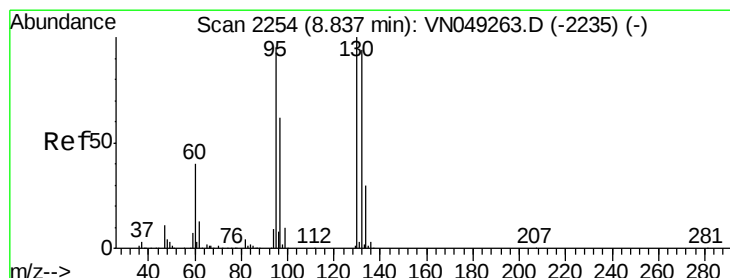
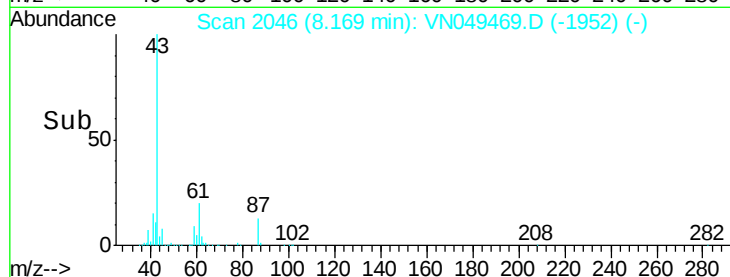
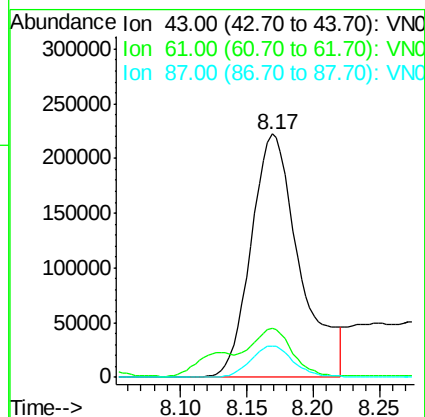
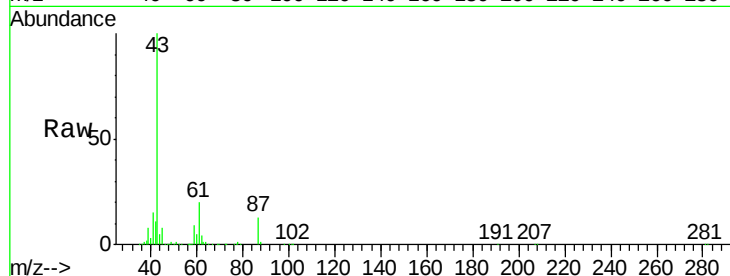
ClientSampleId :

VN0621WBS01

Tot Ion:	43	Resp:	564666
Ion	Ratio	Lower	Upper
43	100		
61	15.5	14.2	21.4
87	11.3	9.4	14.0

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#44

Trichloroethene

Concen: 19.48 ug/l

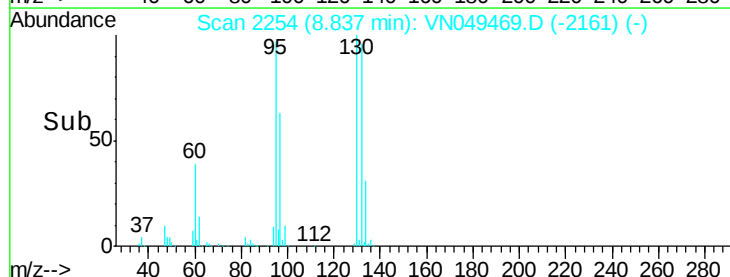
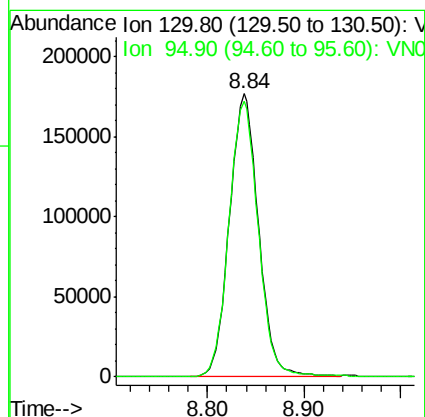
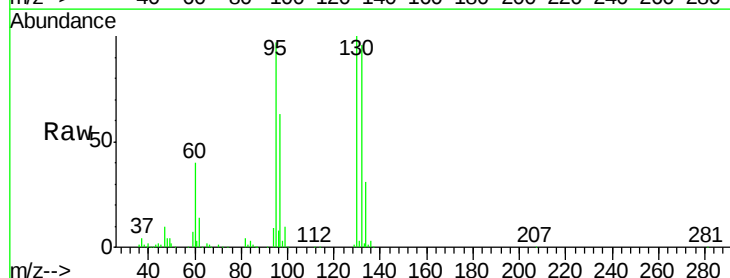
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	130	Resp:	370495
Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	208.6





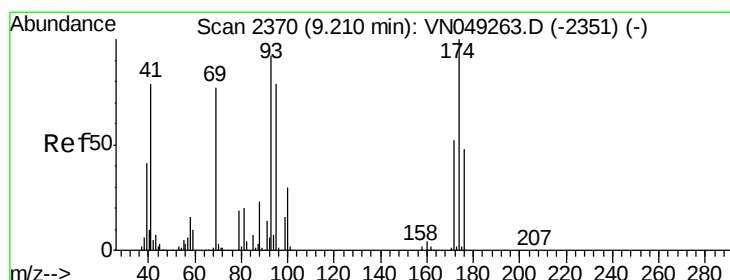
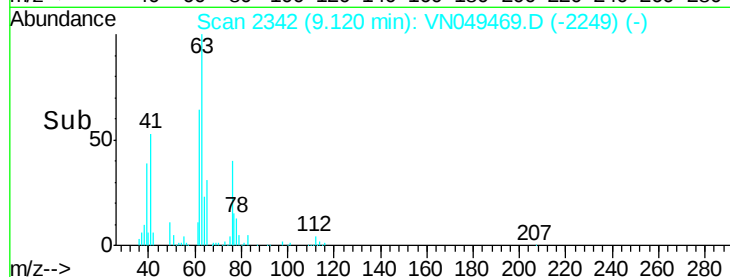
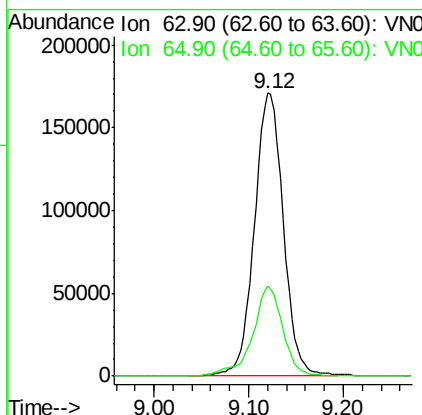
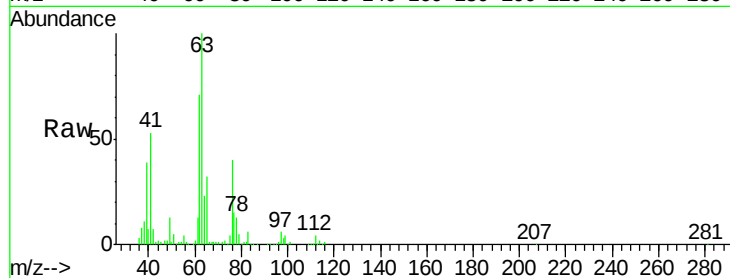
#45
1,2-Dichloropropane
Concen: 19.31 ug/l
RT: 9.12 min Scan# 2342
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.8	37.2

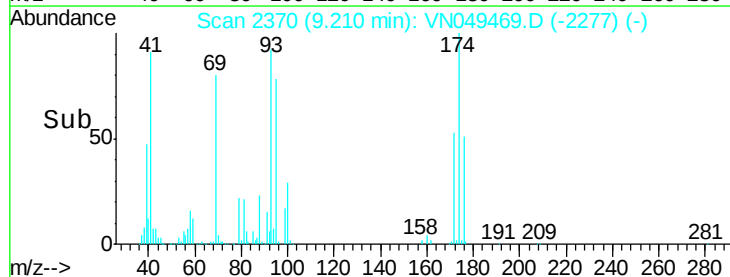
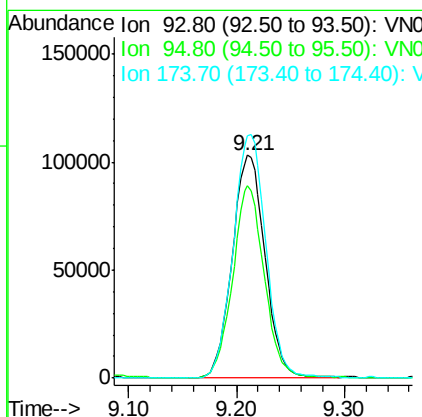
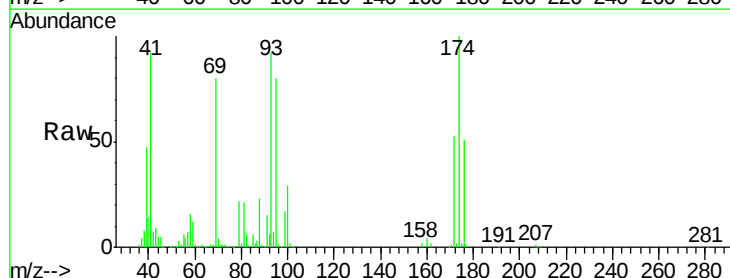
Manual Integrations
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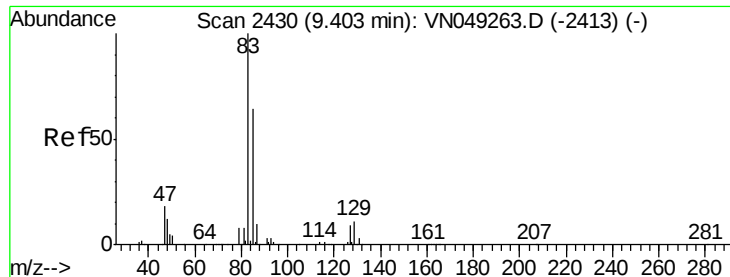
apatel
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#46
Dibromomethane
Concen: 20.11 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	67.2	100.8
174	108.7	75.6	113.4





#47

Bromodichloromethane

Concen: 19.75 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

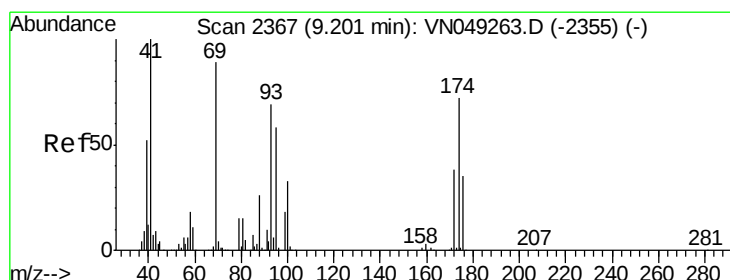
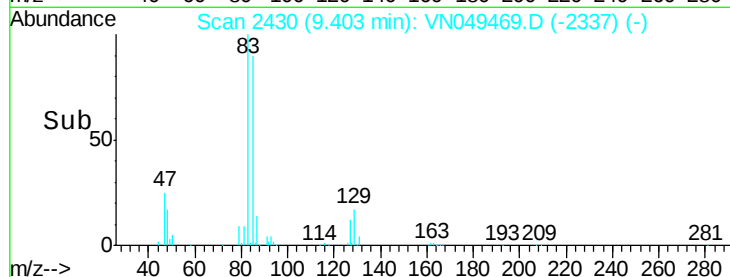
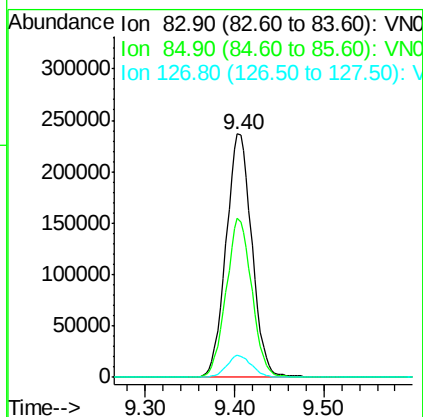
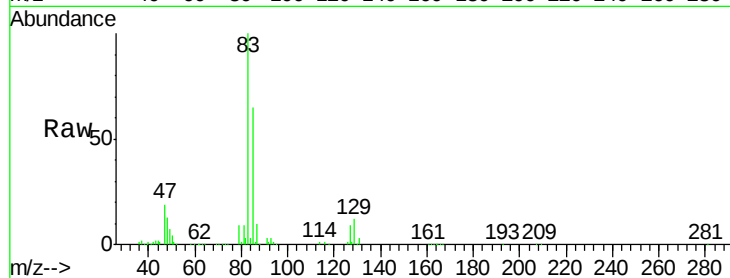
ClientSampleId :

VN0621WBS01

Tot Ion:	83	Resp:	474471
Ion	Ratio	Lower	Upper
83	100		
85	65.1	49.4	74.0
127	9.1	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.77 ug/l

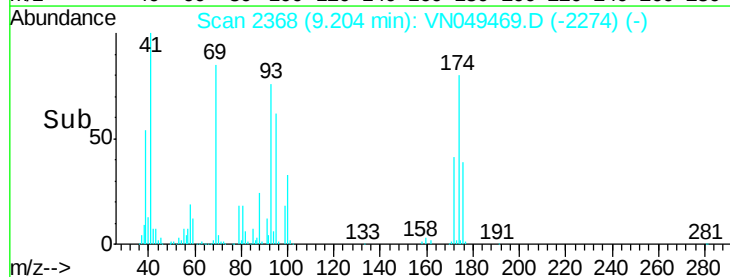
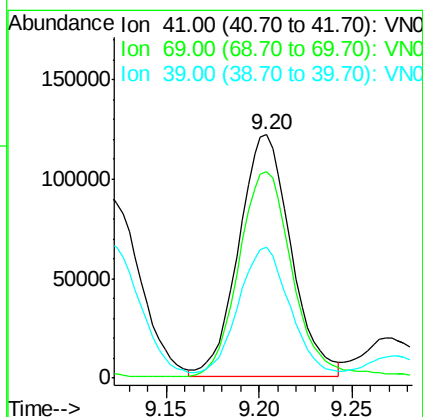
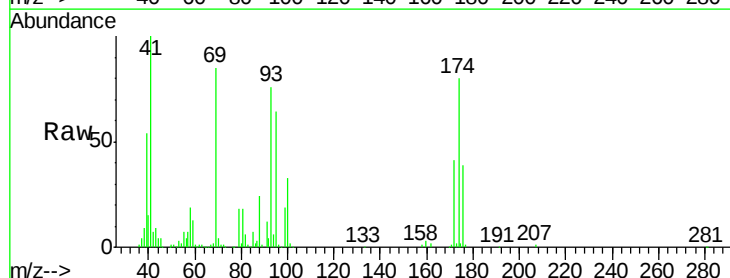
RT: 9.20 min Scan# 2368

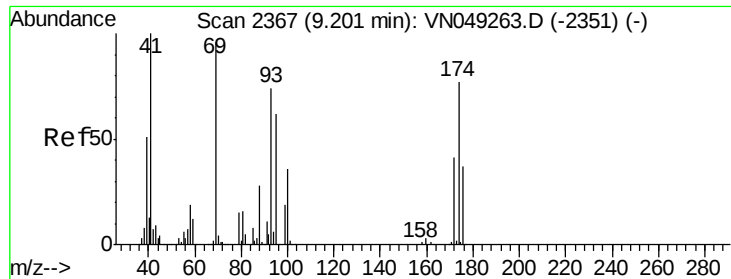
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	41	Resp:	238621
Ion	Ratio	Lower	Upper
41	100		
69	89.1	62.0	93.0
39	53.6	50.6	75.8





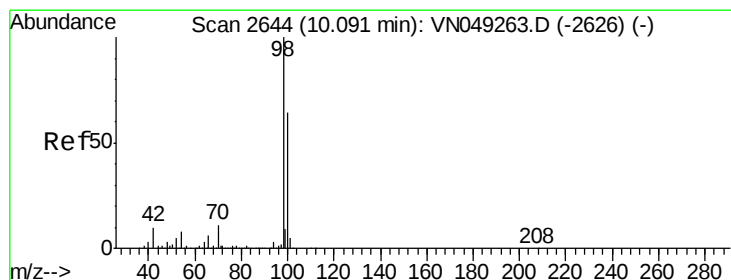
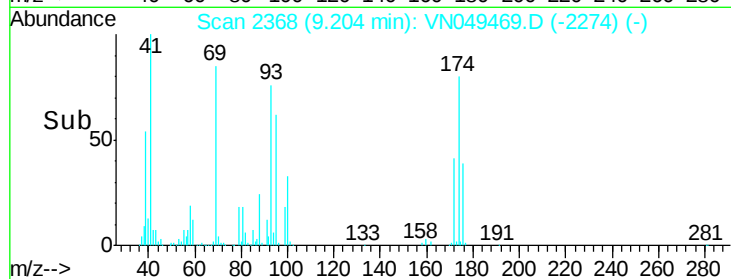
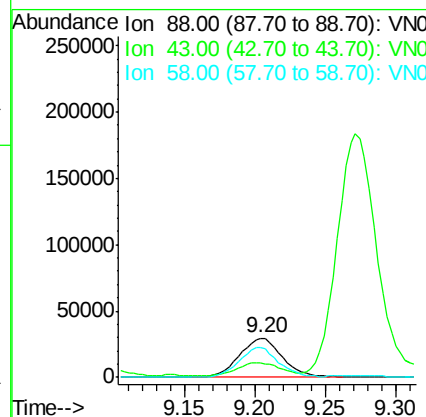
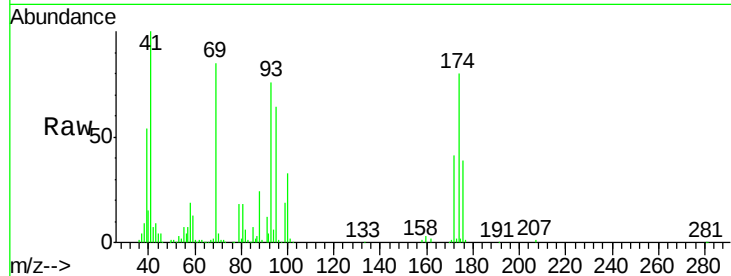
#49
1,4-Dioxane
Concen: 394.75 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.5	30.9	46.3#
58	71.1	58.9	88.3

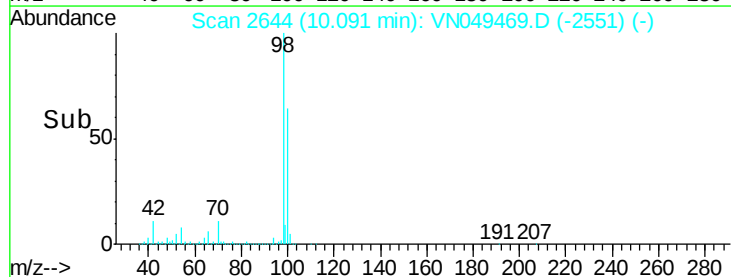
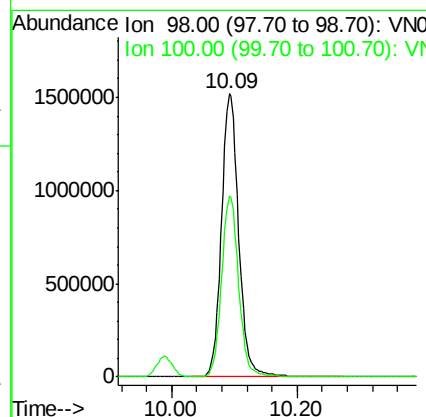
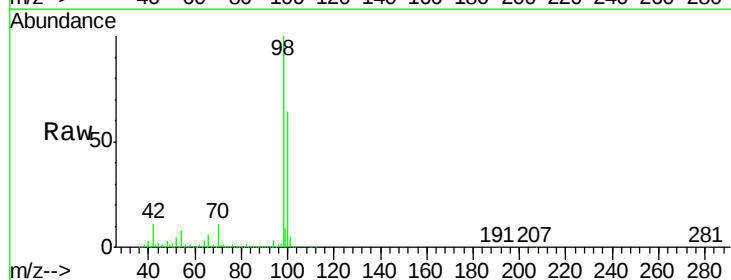
Manual Integrations
APPROVED

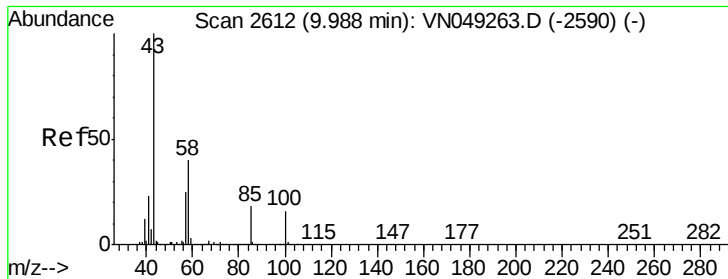
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#50
Toluene-d8
Concen: 45.73 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 105.20 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0621WBS01

Tot Ion: 43 Resp: 1345162

Ion Ratio Lower Upper

43 100

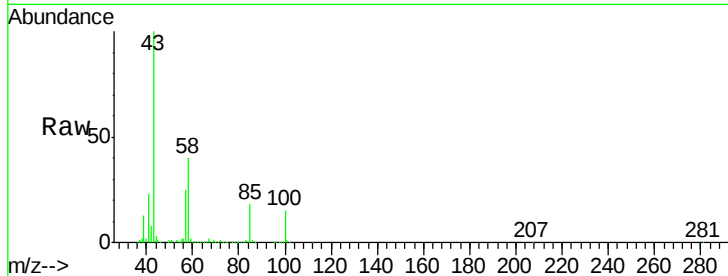
58 39.6 29.0 43.6

Manual Integrations

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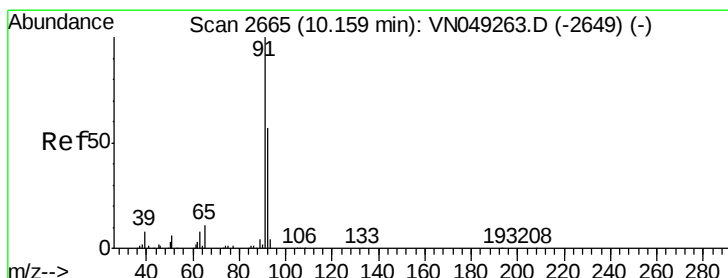
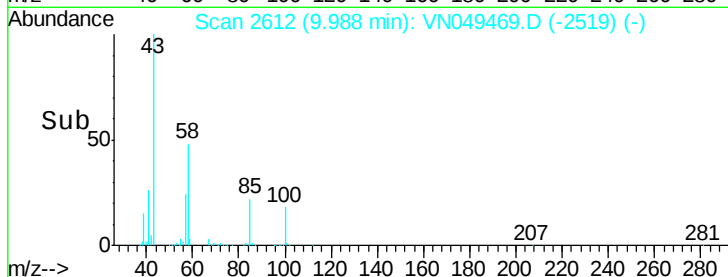
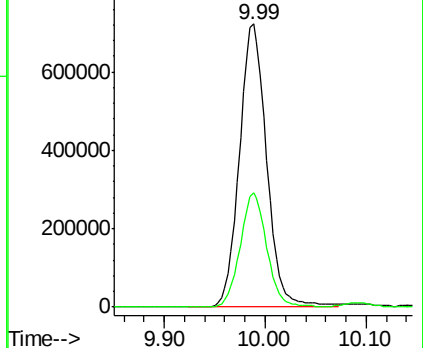
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.94 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049469.D

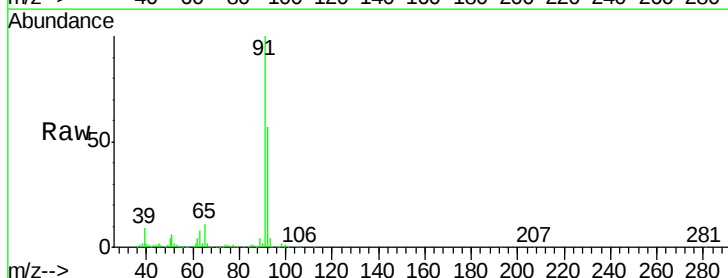
Acq: 21 Jun 2018 15:26

Tgt Ion: 92 Resp: 842909

Ion Ratio Lower Upper

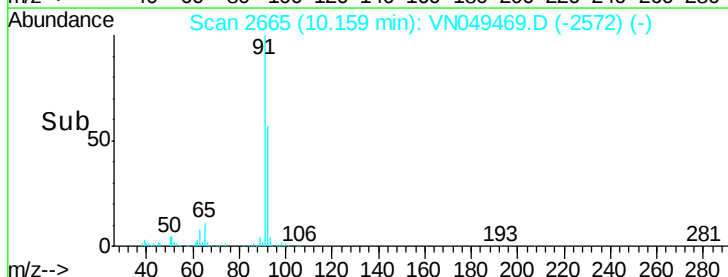
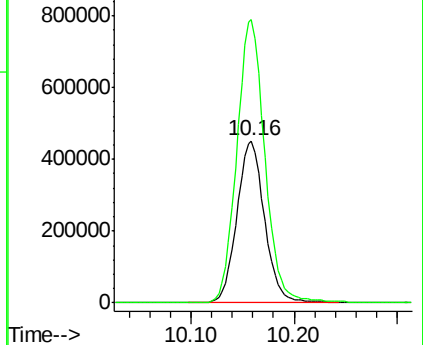
92 100

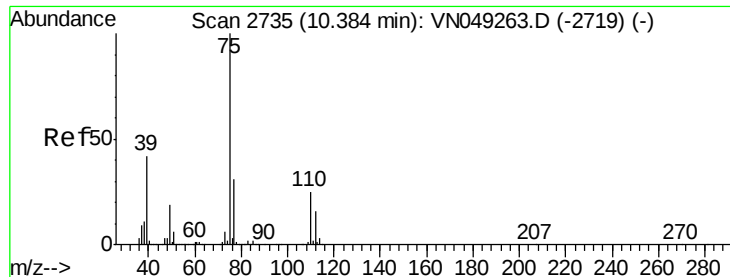
91 177.6 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.04 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0621WBS01

Tot Ion: 75 Resp: 437525

Ion Ratio Lower Upper

75 100

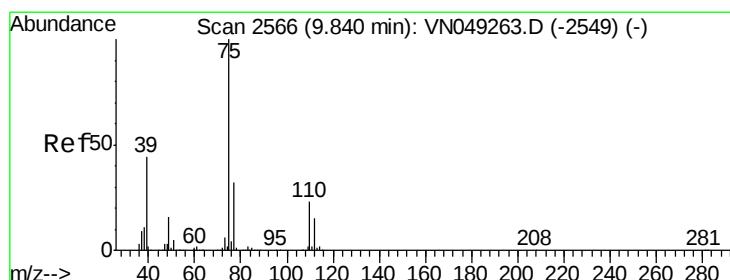
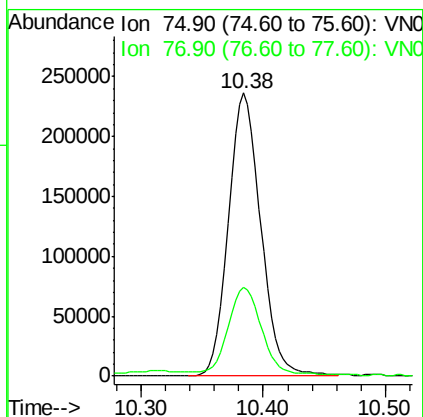
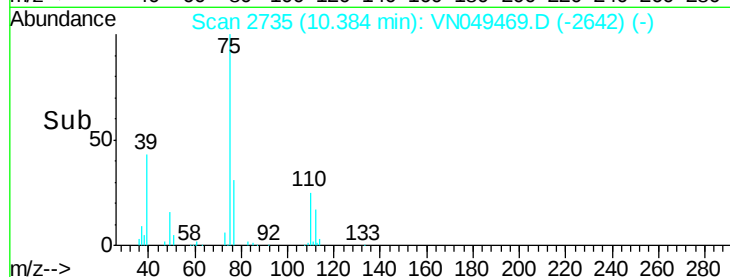
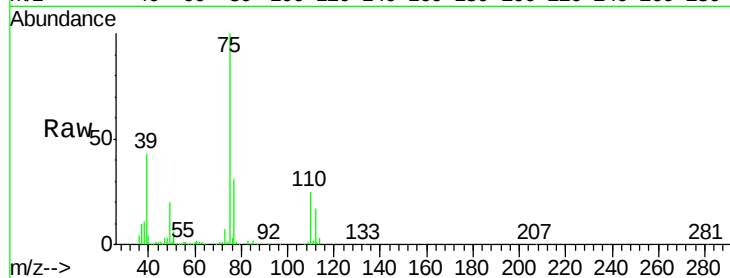
77 30.7 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.00 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

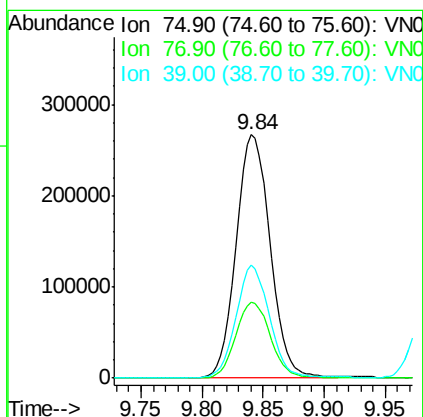
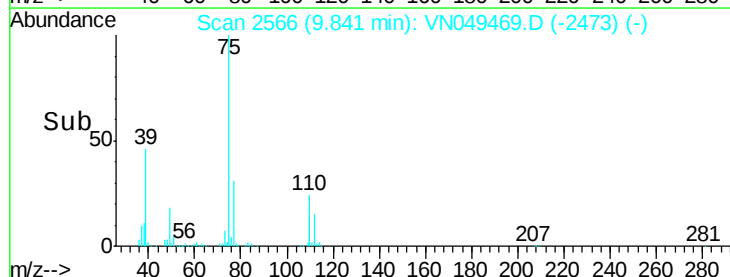
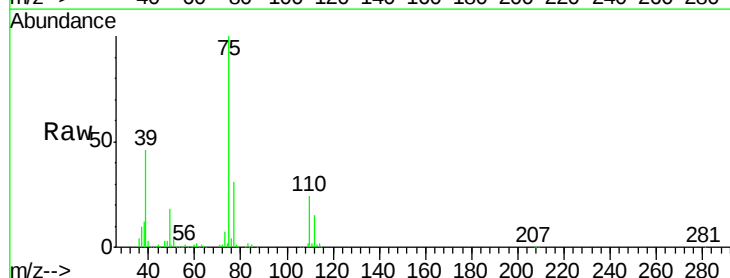
Tgt Ion: 75 Resp: 515621

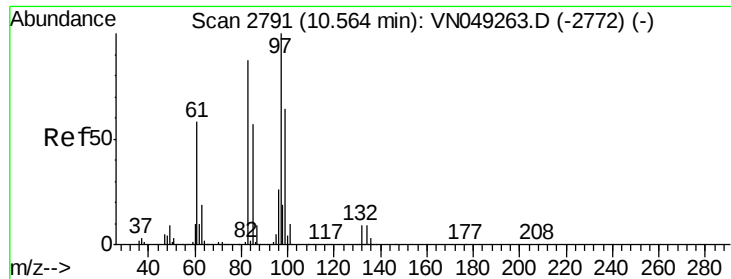
Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 46.3 45.1 67.7





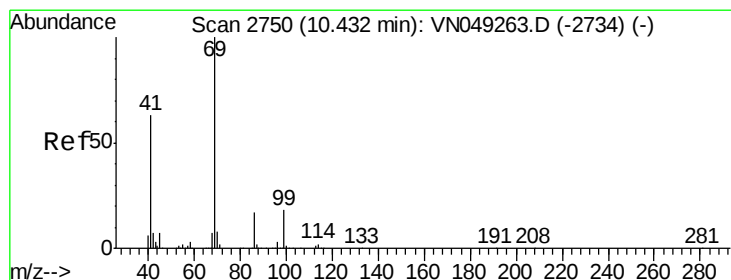
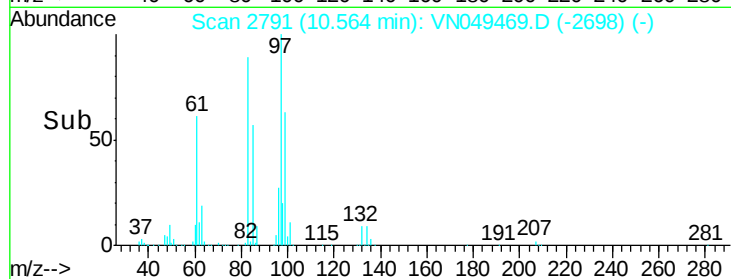
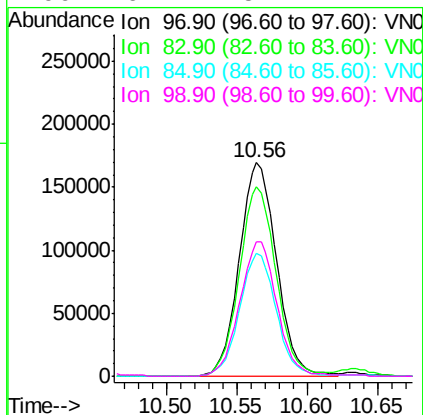
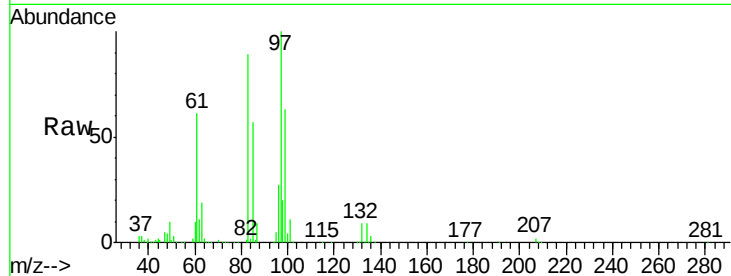
#55
 1,1,2-Trichloroethane
 Concen: 19.88 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0621WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.5	107.3
85	57.3	47.0	70.4
99	62.4	51.4	77.2

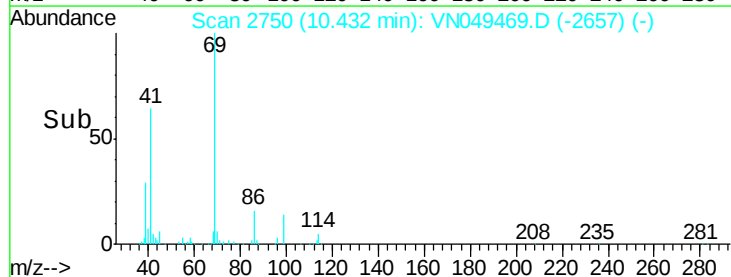
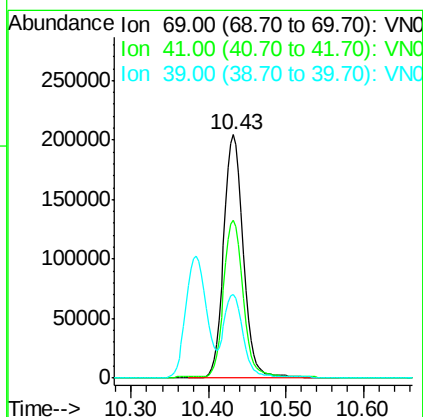
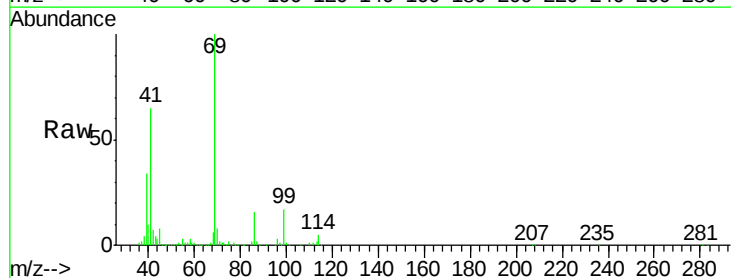
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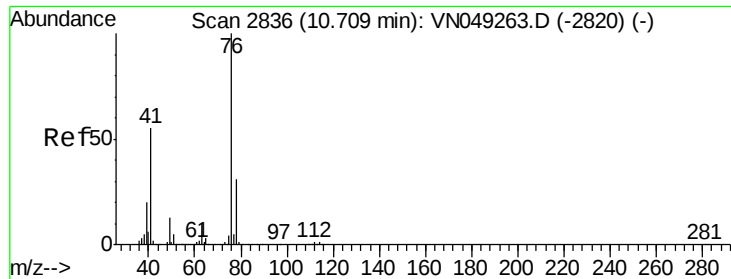
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#56
 Ethyl methacrylate
 Concen: 19.90 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.6	58.4	87.6
39	33.6	35.5	53.3#





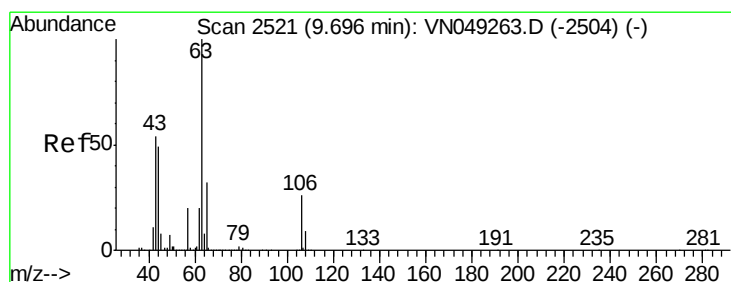
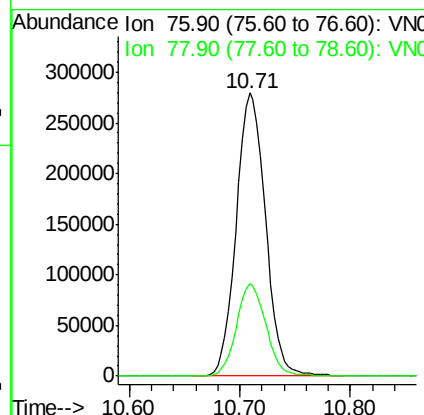
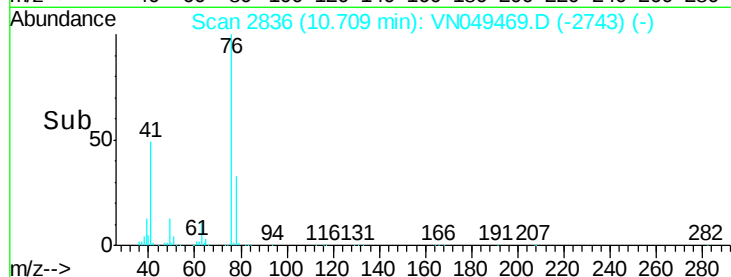
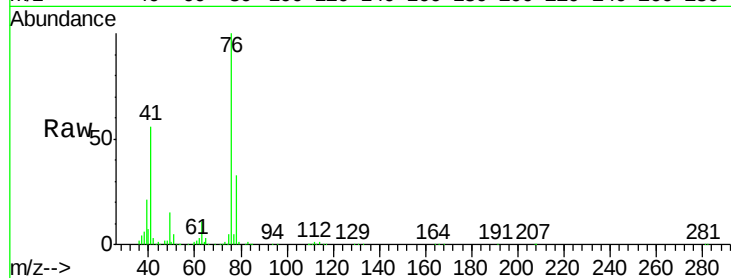
#57
 1,3-Dichloropropane
 Concen: 19.75 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Tot Ion: 76 Resp: 51532
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.3 39.5

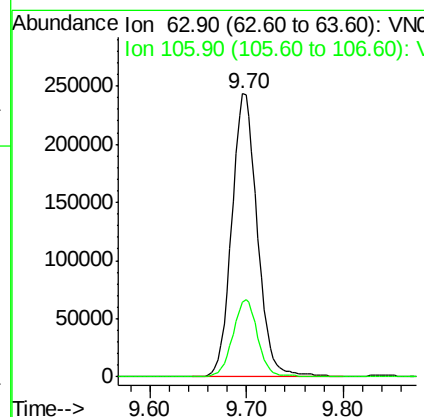
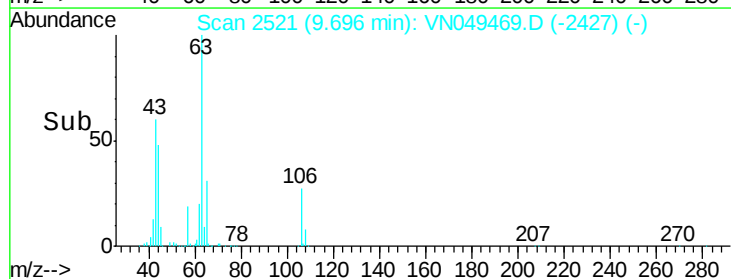
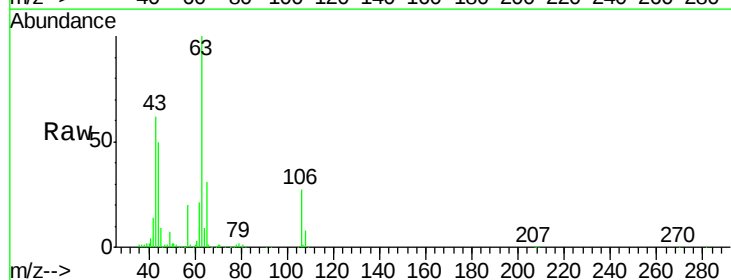
Manual Integrations
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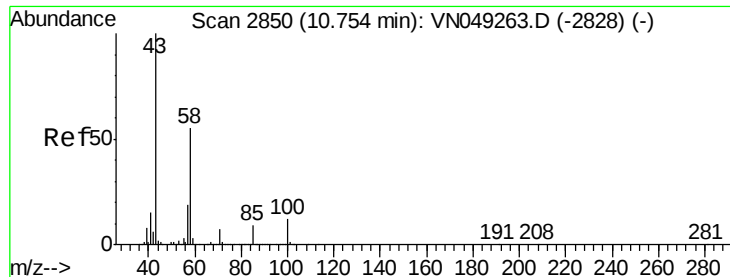
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 79.27 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion: 63 Resp: 447654
 Ion Ratio Lower Upper
 63 100
 106 26.3 19.4 29.2





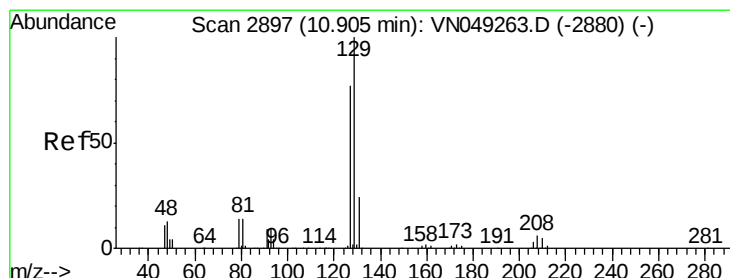
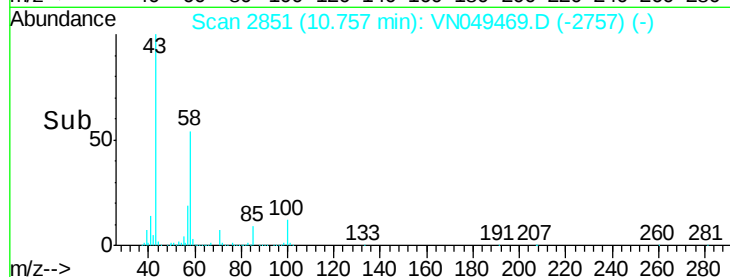
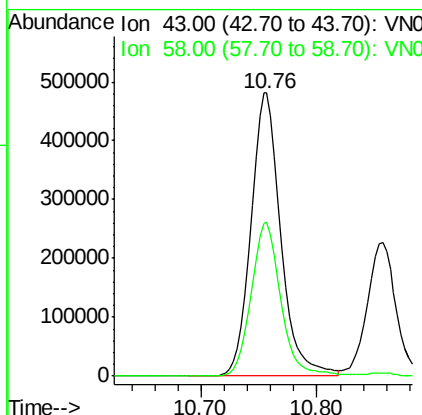
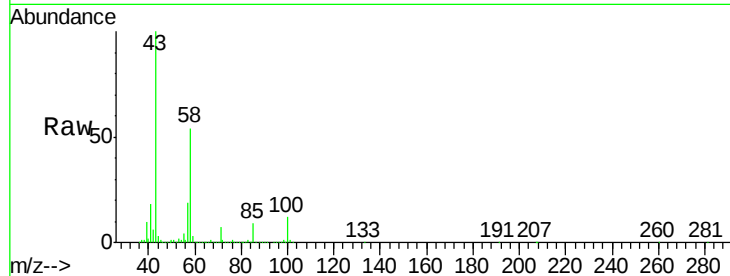
#59
2-Hexanone
Concen: 104.44 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampled :
VN0621WBS01

Tot Ion: 43 Resp: 860971
Ion Ratio Lower Upper
43 100
58 54.4 25.2 75.6

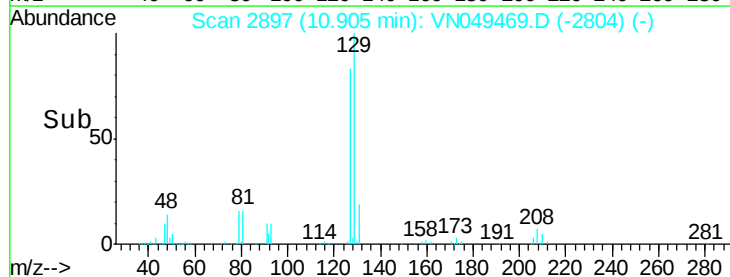
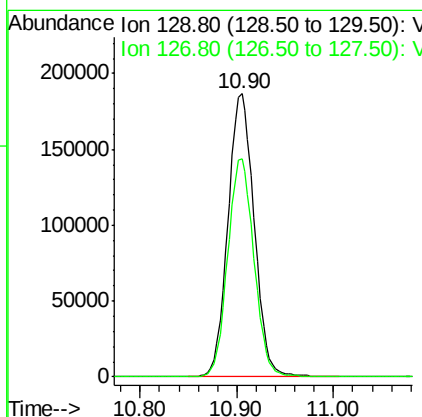
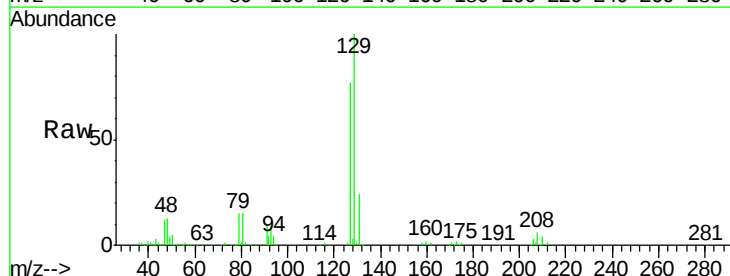
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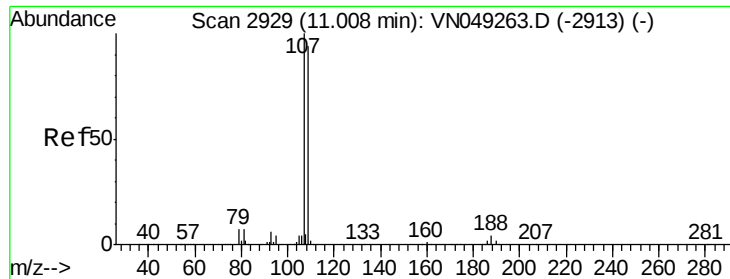
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#60
Dibromochloromethane
Concen: 20.02 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion: 129 Resp: 351989
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.2





#61

1,2-Dibromoethane

Concen: 20.30 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion: 107 Resp: 297281

Ion Ratio Lower Upper

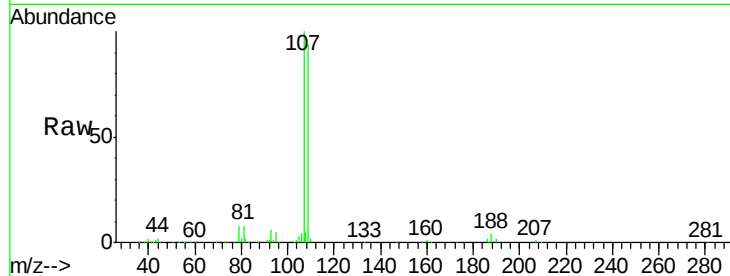
107 100

109 93.7 75.4 113.2

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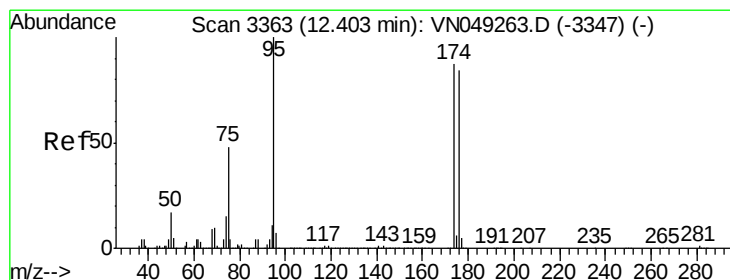
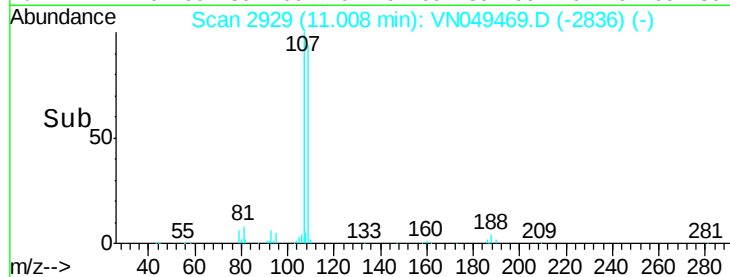
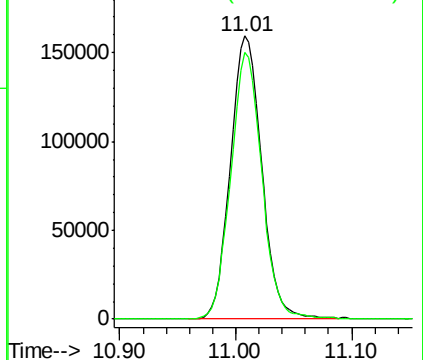
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.66 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

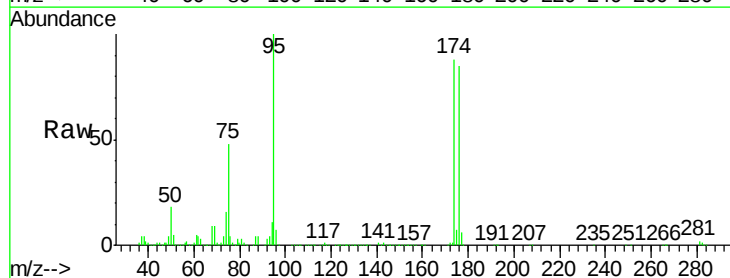
Tgt Ion: 95 Resp: 953081

Ion Ratio Lower Upper

95 100

174 88.9 0.0 165.6

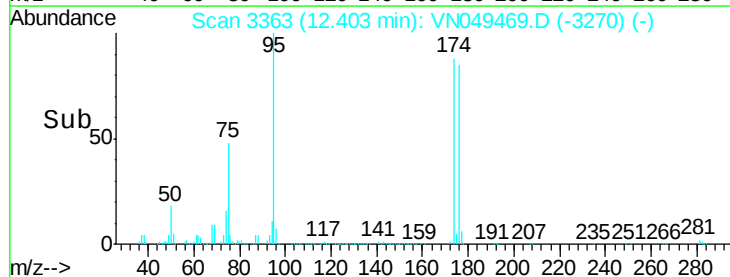
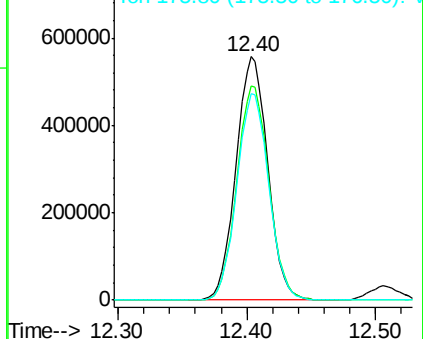
176 85.5 0.0 157.4

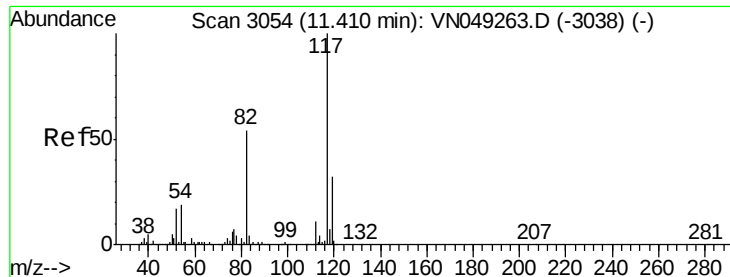


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





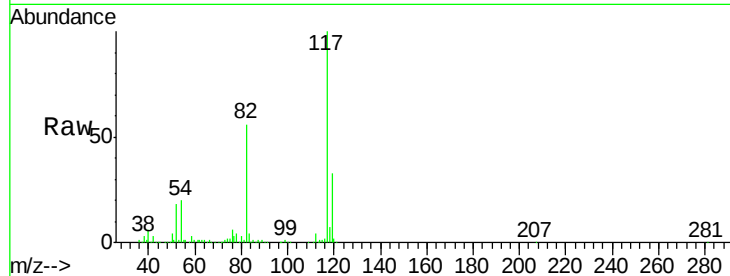
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampled :
VN0621WBS01

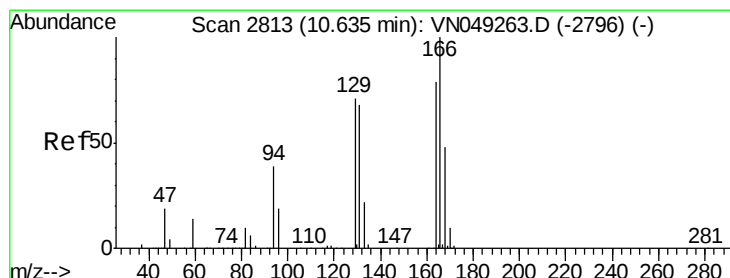
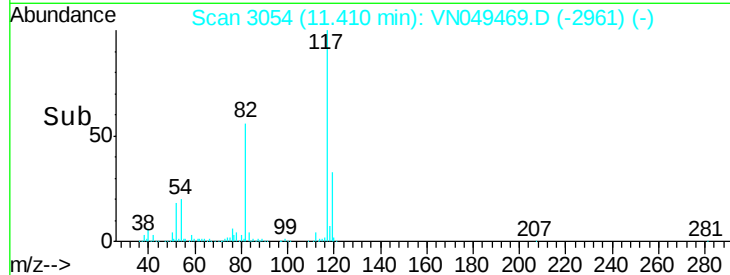
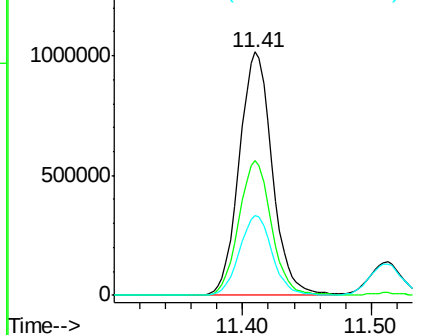
Tot Ion:117 Resp: 1808026
Ion Ratio Lower Upper
117 100
82 55.5 45.9 68.9
119 32.9 25.5 38.3

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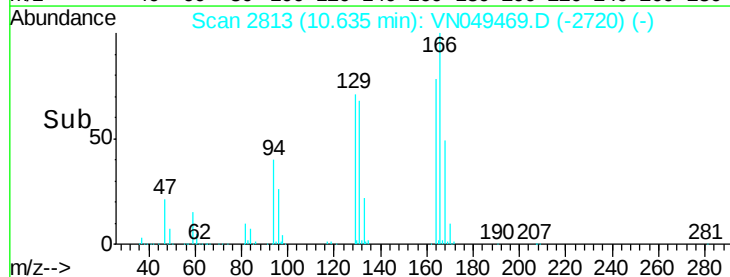
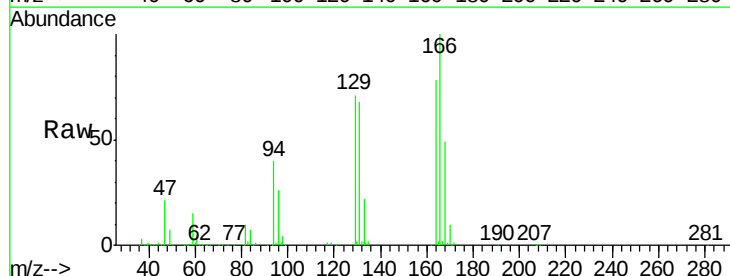
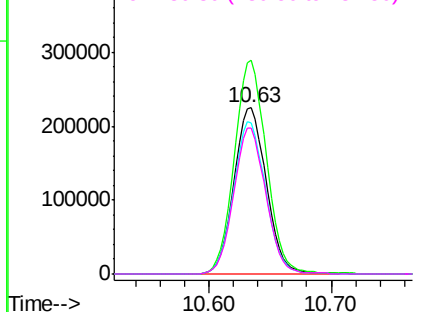
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.35 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion:164 Resp: 414009
Ion Ratio Lower Upper
164 100
166 128.6 101.4 152.2
129 90.9 74.1 111.1
131 87.9 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: 19.51 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion:112 Resp: 908738

Ion Ratio Lower Upper

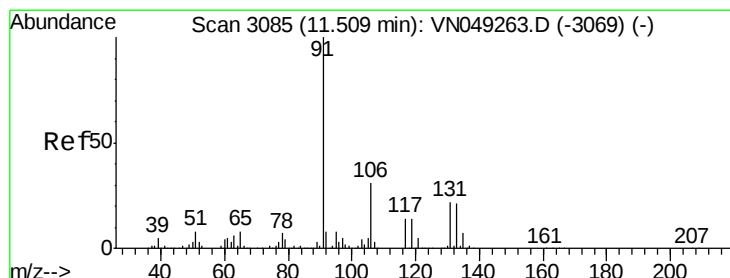
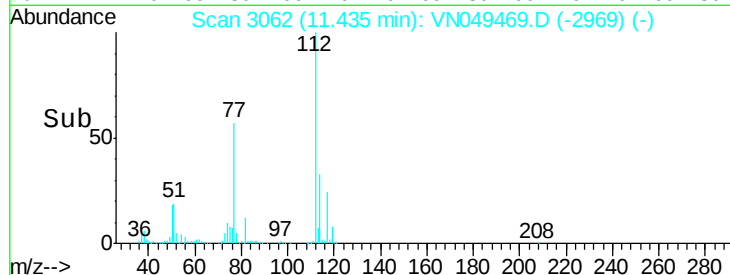
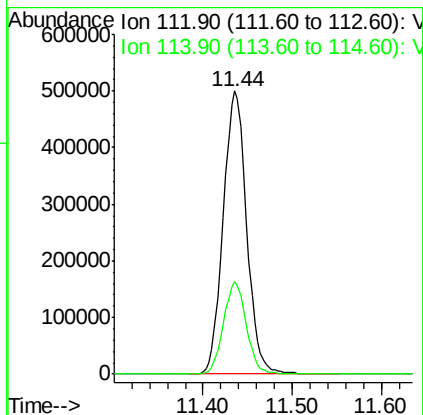
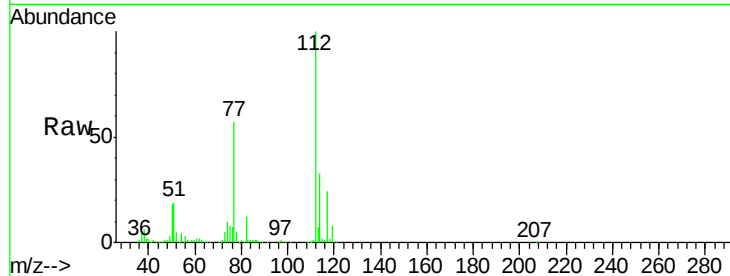
112 100

114 32.5 26.2 39.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 20.01 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

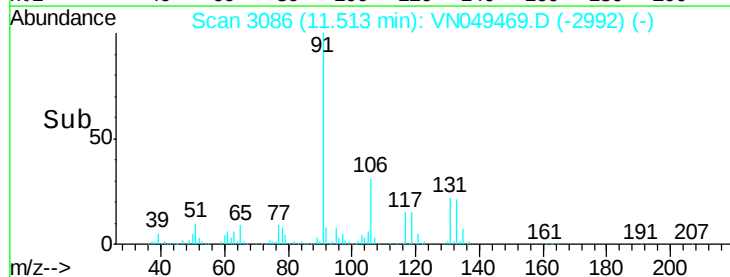
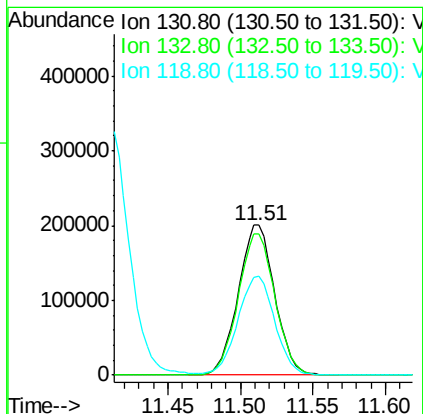
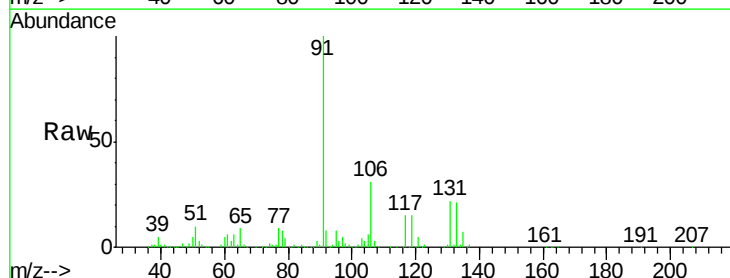
Tgt Ion:131 Resp: 350752

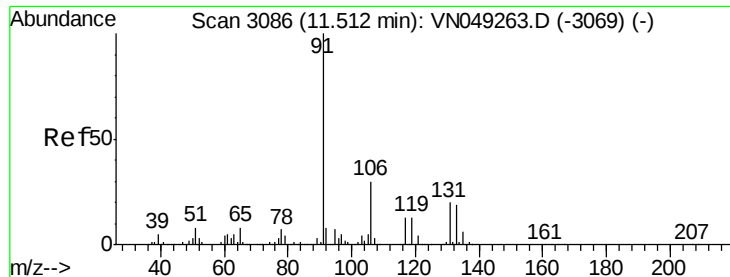
Ion Ratio Lower Upper

131 100

133 95.0 48.0 144.2

119 66.9 33.6 100.8





#67

Ethyl Benzene

Concen: 19.63 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0621WBS01

Tot Ion: 91 Resp: 1516150

Ion Ratio Lower Upper

91 100

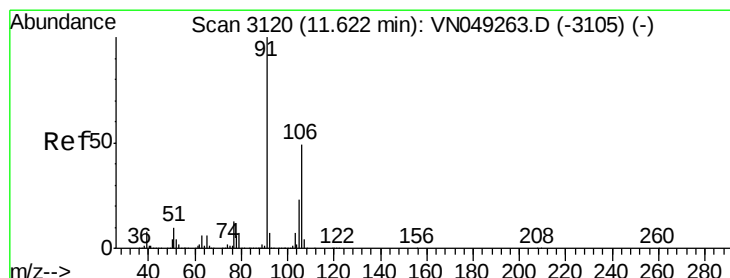
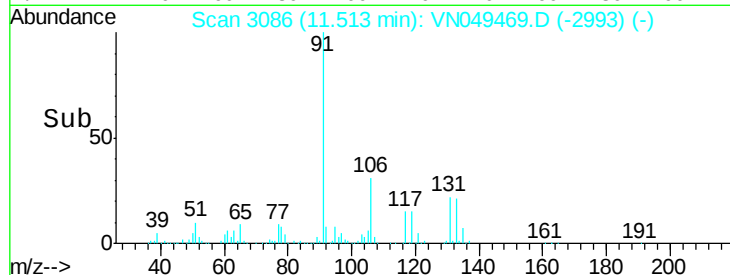
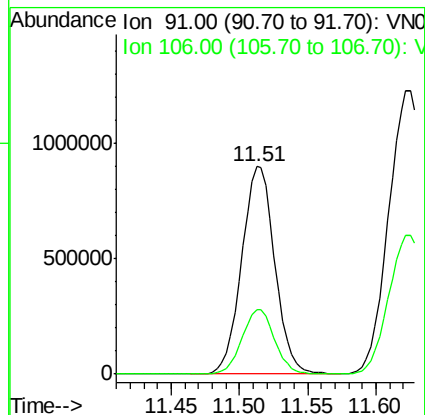
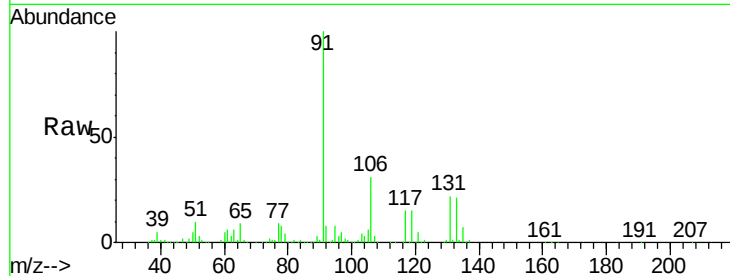
106 30.8 23.9 35.9

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#68

m/p-Xylenes

Concen: 40.64 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049469.D

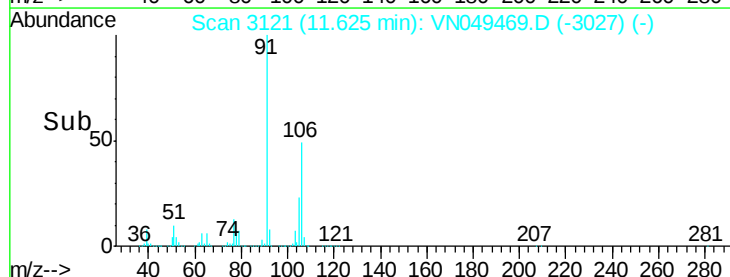
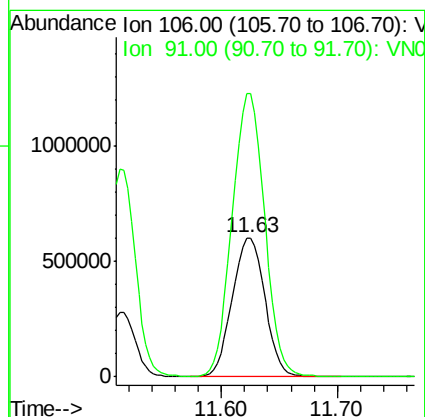
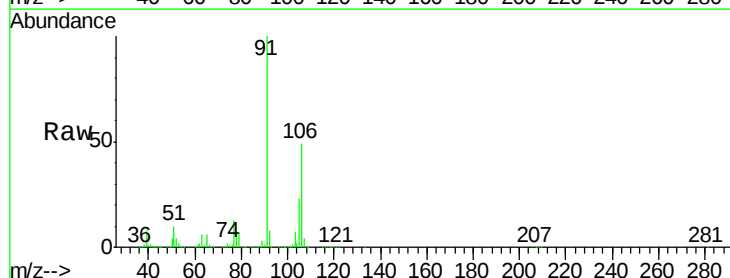
Acq: 21 Jun 2018 15:26

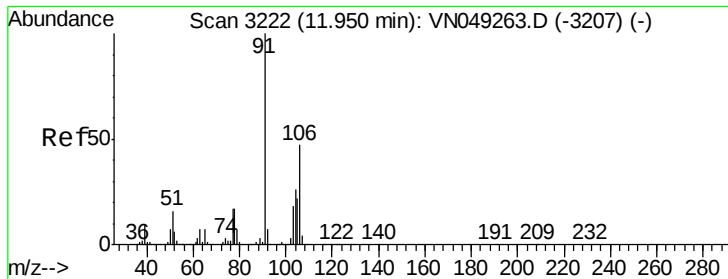
Tgt Ion: 106 Resp: 1178272

Ion Ratio Lower Upper

106 100

91 202.5 167.3 250.9





#69

o-Xylene

Concen: 20.14 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion:106 Resp: 562341

Ion Ratio Lower Upper

106 100

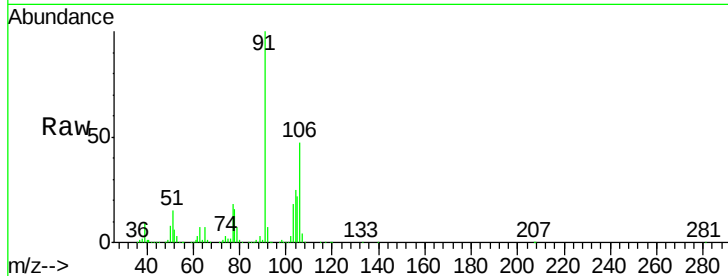
91 212.8 111.0 333.0

Manual Integrations

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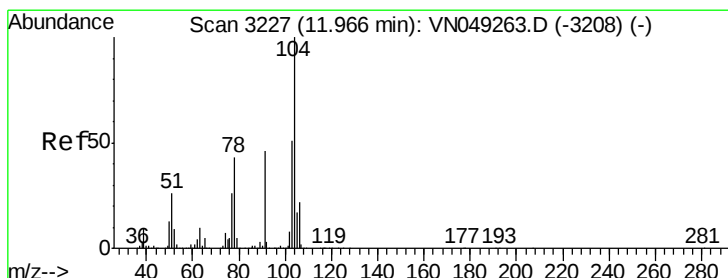
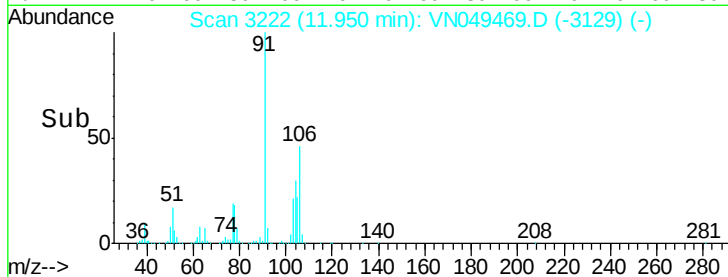
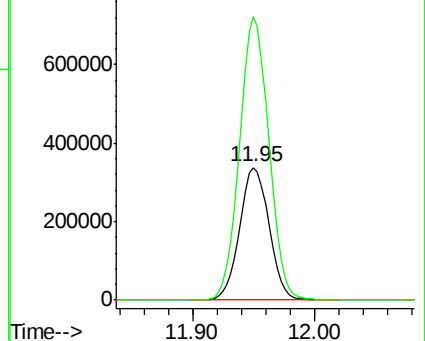
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.36 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

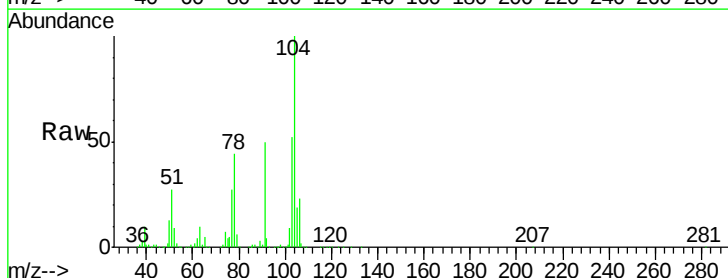
Tgt Ion:104 Resp: 897022

Ion Ratio Lower Upper

104 100

78 49.1 41.6 62.4

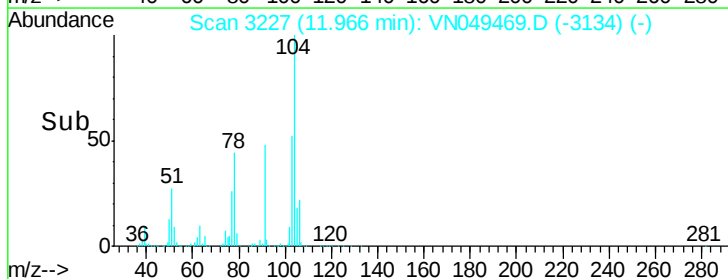
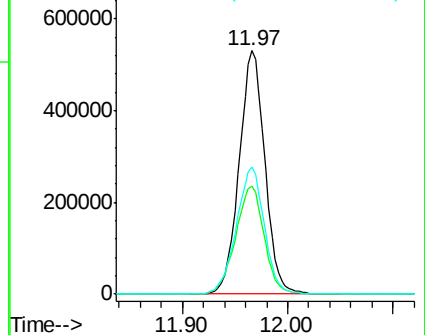
103 56.9 45.4 68.2

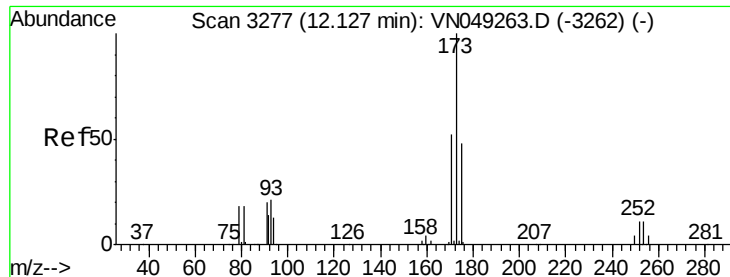


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.91 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

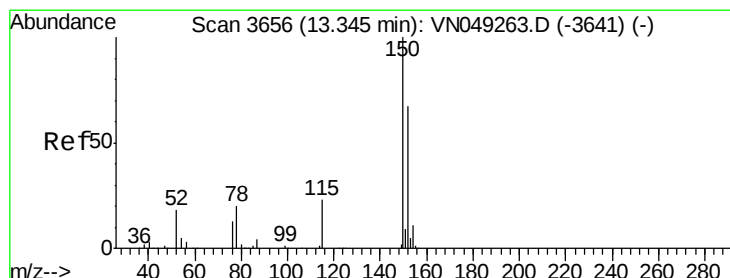
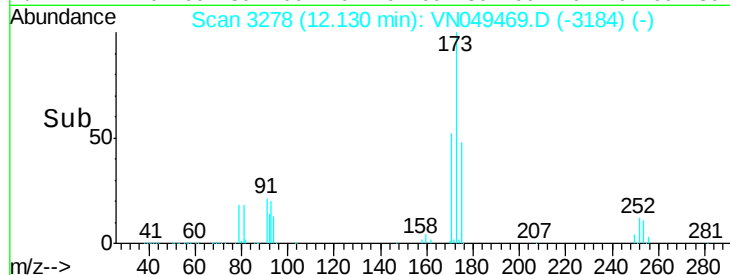
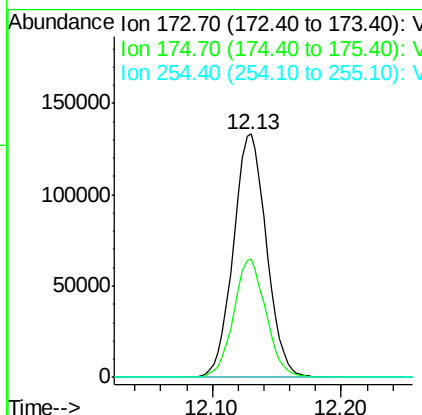
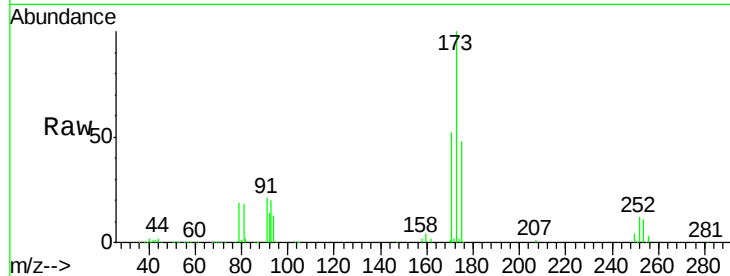
ClientSampleId :

VN0621WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.5	73.5
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

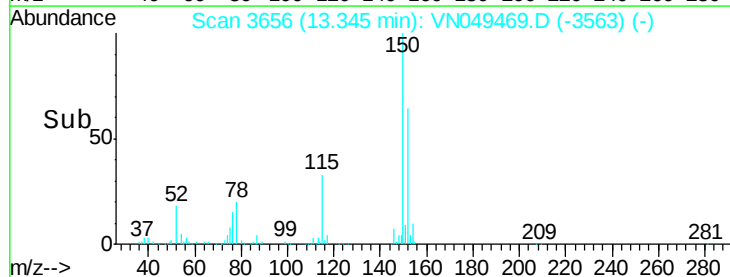
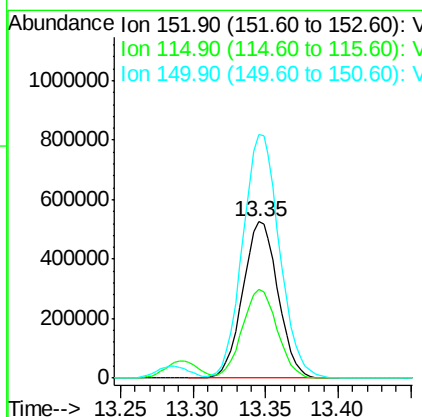
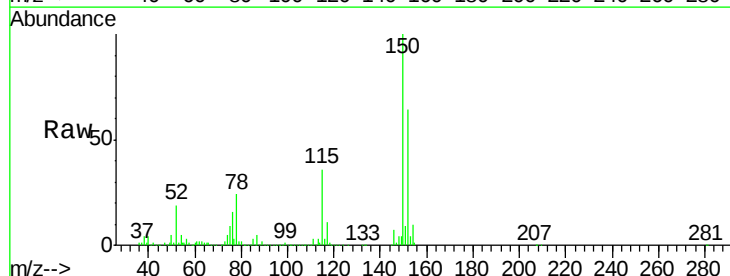
RT: 13.35 min Scan# 3656

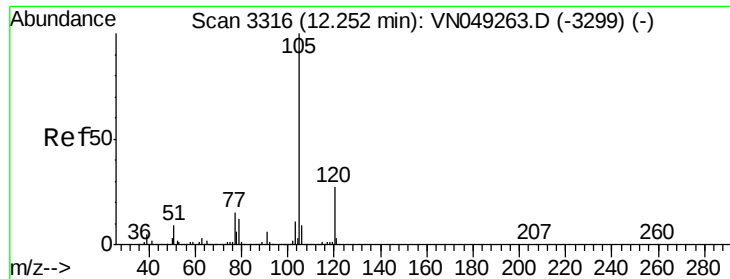
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.7	86.1
150	163.9	0.0	351.0





#73

Isopropylbenzene

Concen: 19.18 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampled :

VN0621WBS01

Tot Ion:105 Resp: 1489318

Ion Ratio Lower Upper

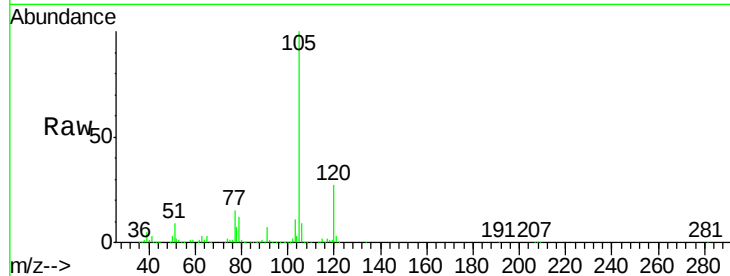
105 100

120 26.6 12.8 38.3

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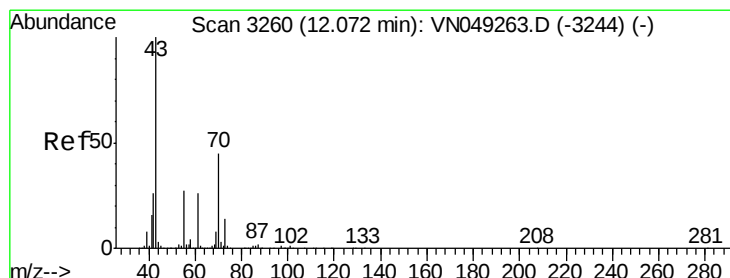
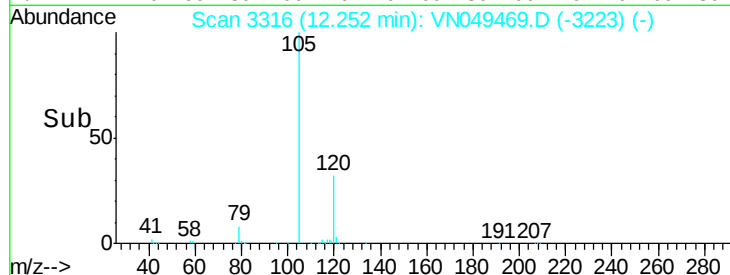
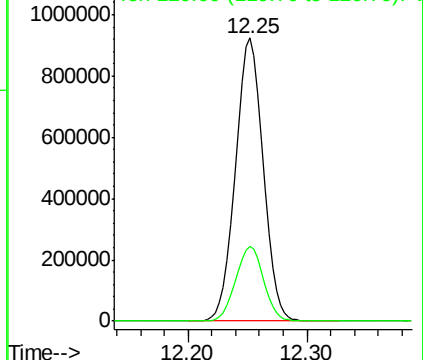
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.94 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion: 43 Resp: 360310

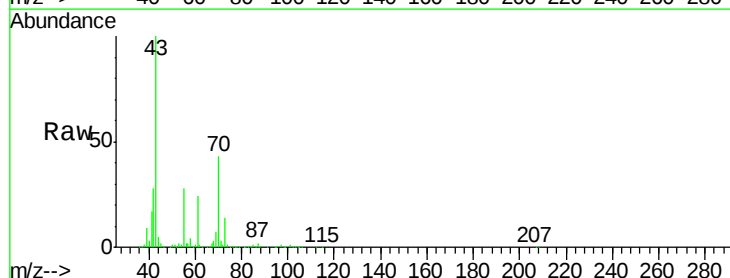
Ion Ratio Lower Upper

43 100

70 43.1 30.3 45.5

55 28.3 19.4 29.2

61 24.9 17.8 26.6

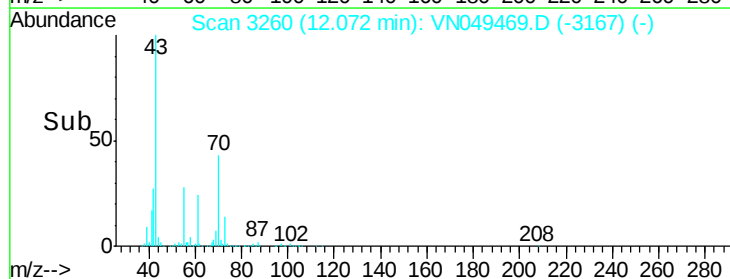
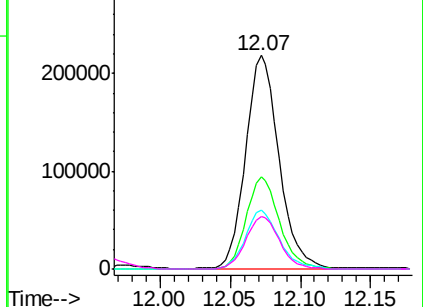


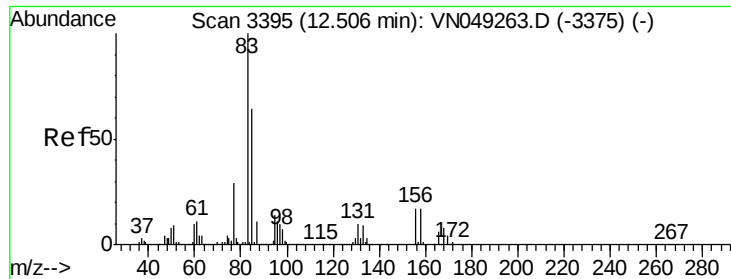
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.46 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

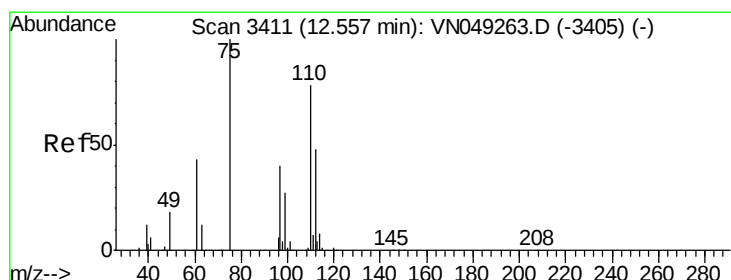
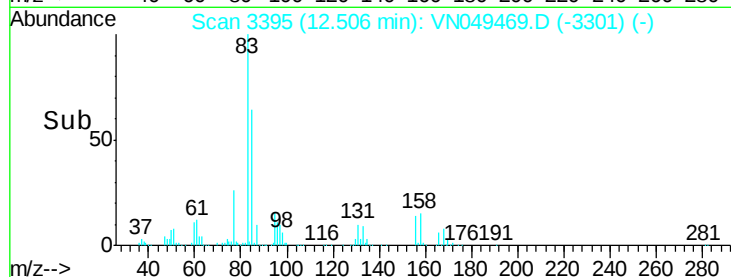
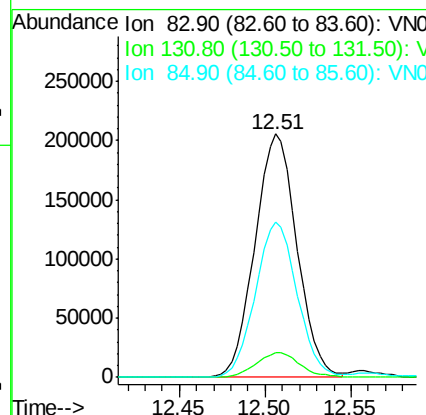
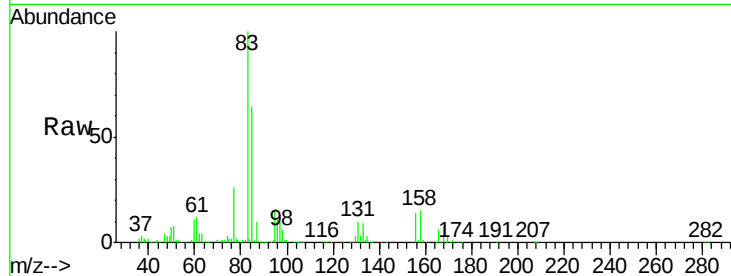
ClientSampled :

VN0621WBS01

Tot Ion:	83	Resp:	347979
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.0	15.0
85	63.5	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.06 ug/l m

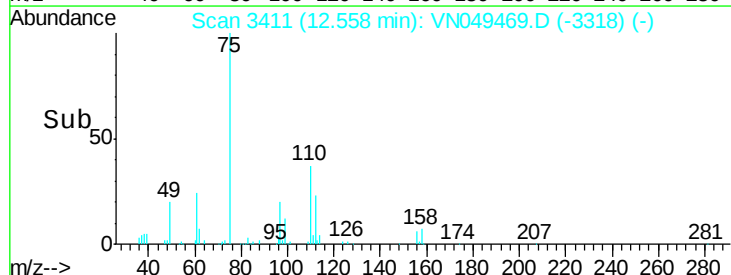
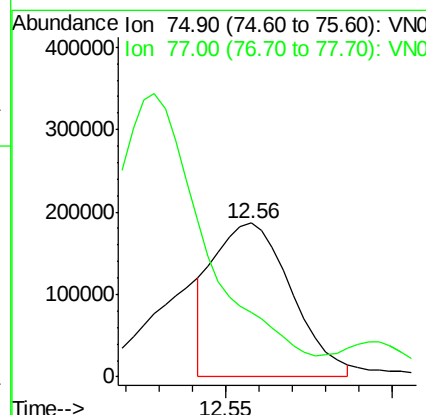
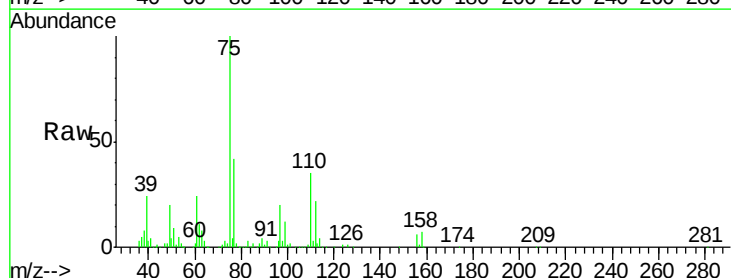
RT: 12.56 min Scan# 3411

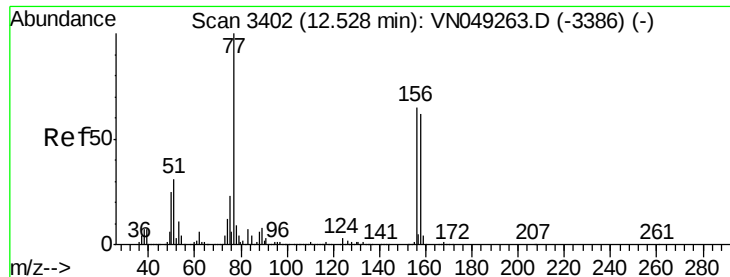
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	75	Resp:	302687
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.82 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

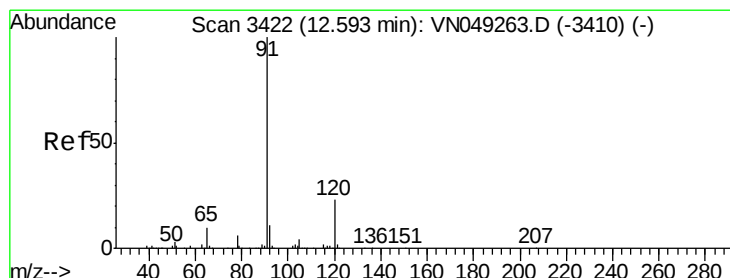
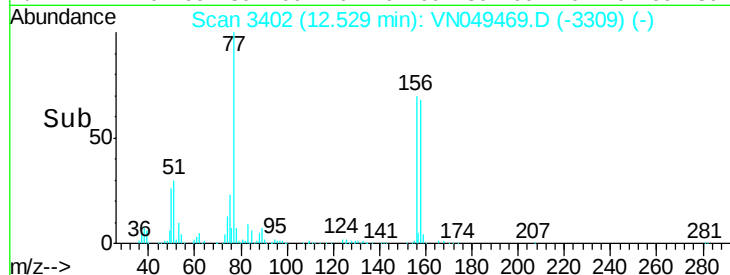
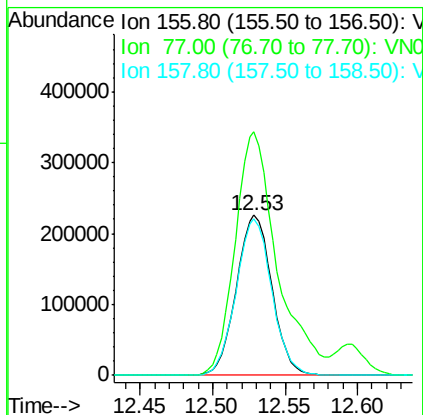
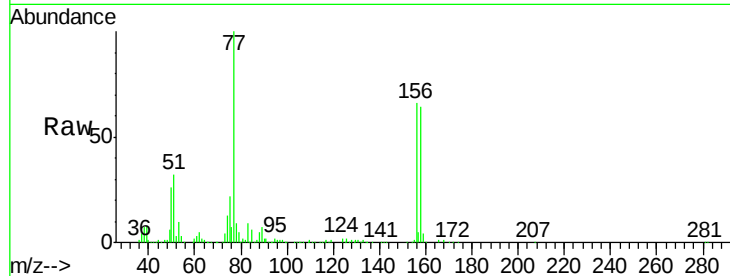
ClientSampleId :

VN0621WBS01

Tot Ion:	156	Resp:	386150
Ion Ratio	Lower	Upper	
156	100		
77	179.1	100.8	302.4
158	97.8	49.3	147.9

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#78

n-propylbenzene

Concen: 19.46 ug/l

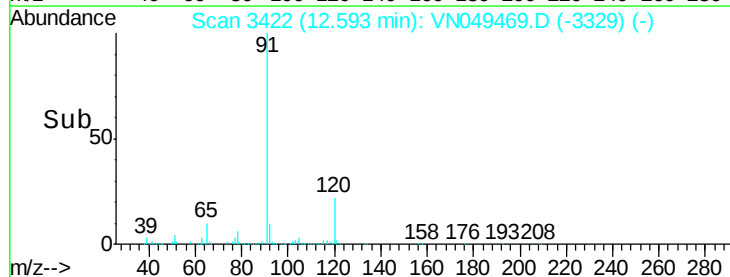
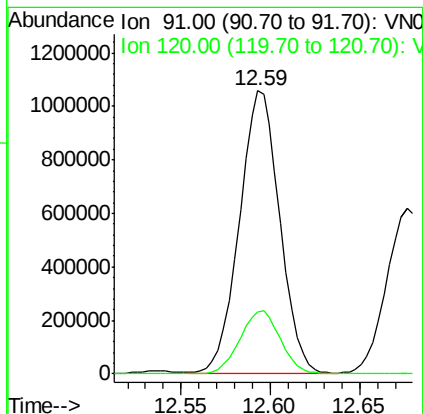
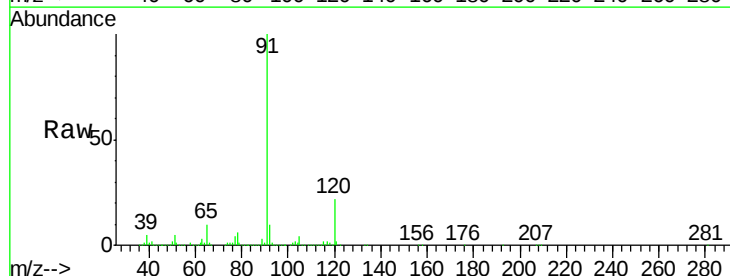
RT: 12.59 min Scan# 3422

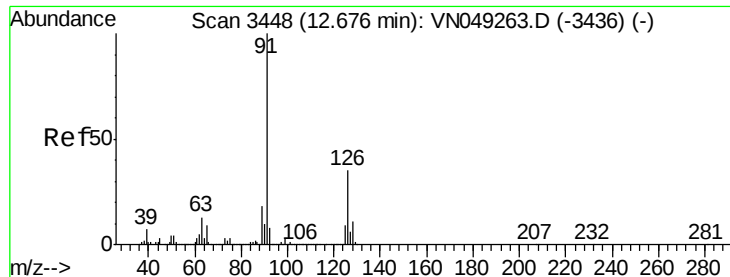
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	91	Resp:	1659275
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.05 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBS01

Tot Ion: 91 Resp: 1029324

Ion Ratio Lower Upper

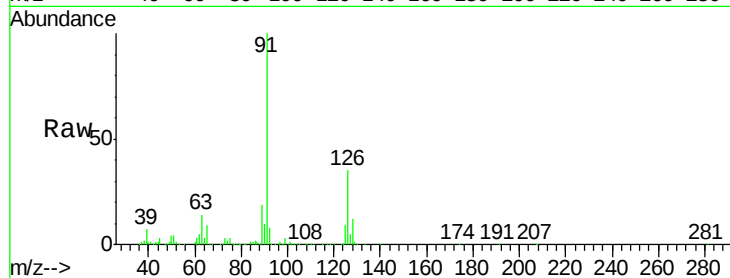
91 100

126 35.4 16.6 49.8

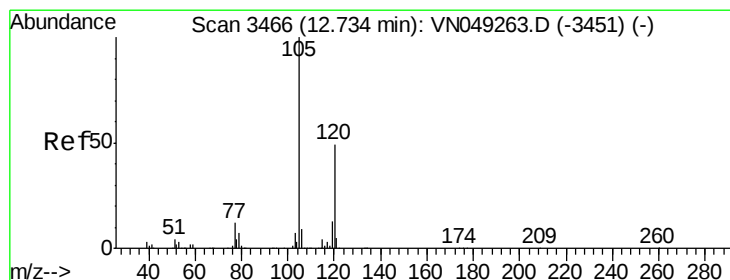
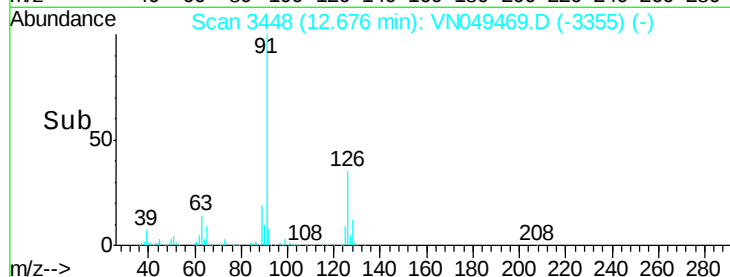
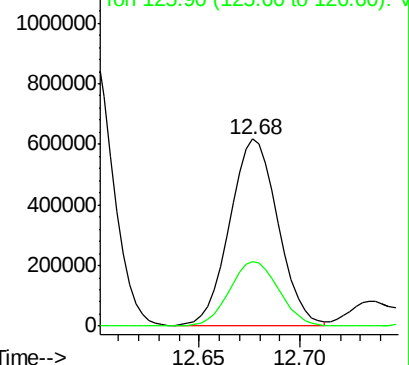
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Abundance Ion 91.00 (90.70 to 91.70): VN049469.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.81 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049469.D

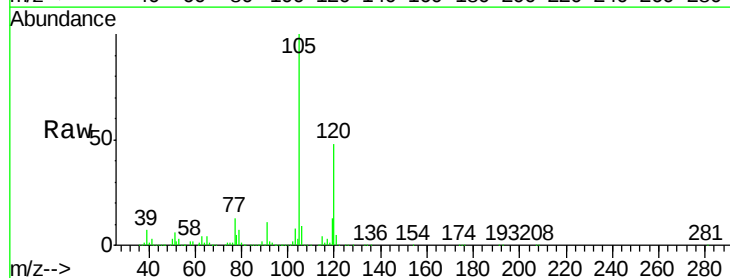
Acq: 21 Jun 2018 15:26

Tgt Ion: 105 Resp: 1209499

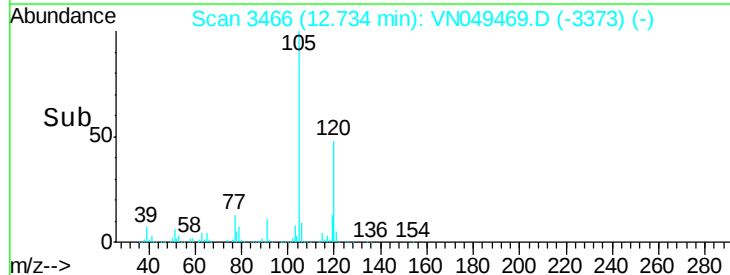
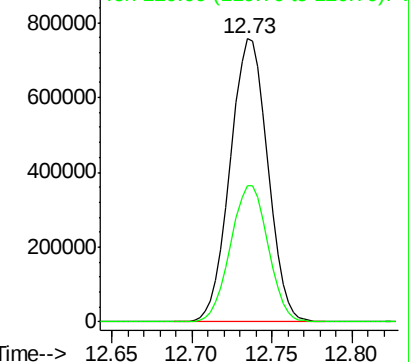
Ion Ratio Lower Upper

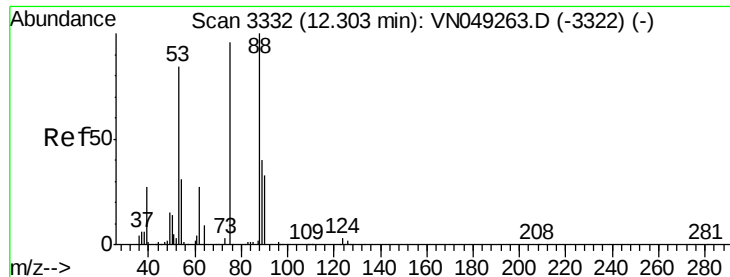
105 100

120 48.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049469.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.45 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

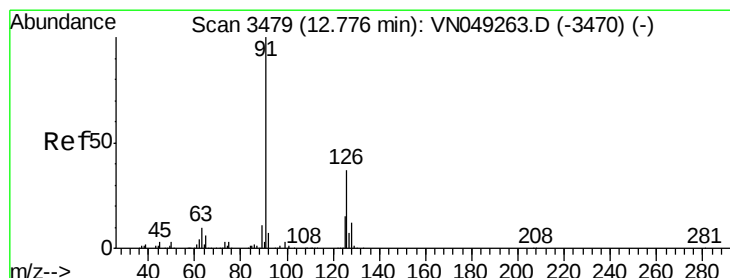
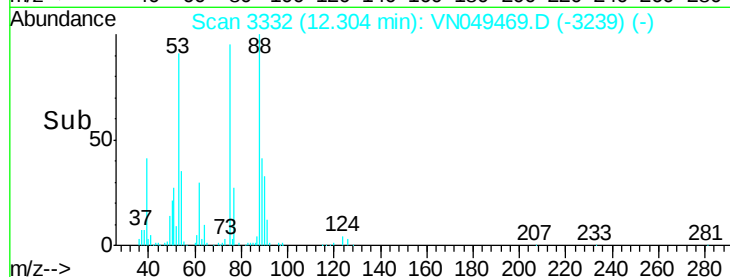
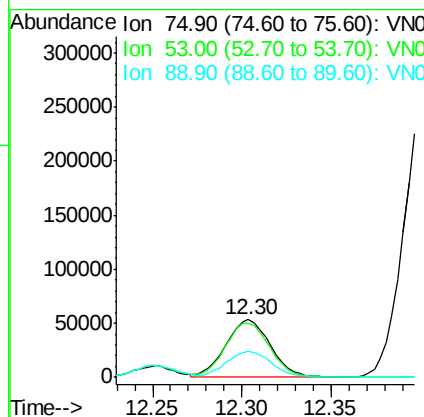
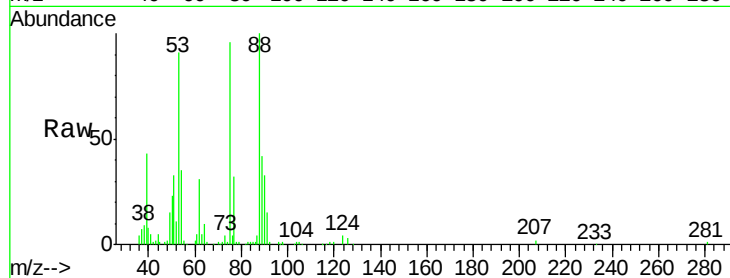
ClientSampleId :

VN0621WBS01

Tot Ion:	75	Resp:	92897
Ion Ratio	Lower	Upper	
75	100		
53	94.4	82.7	124.1
89	46.2	36.5	54.7

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#82

4-Chlorotoluene

Concen: 19.45 ug/l

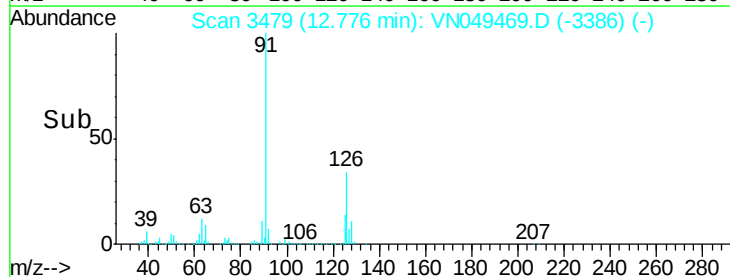
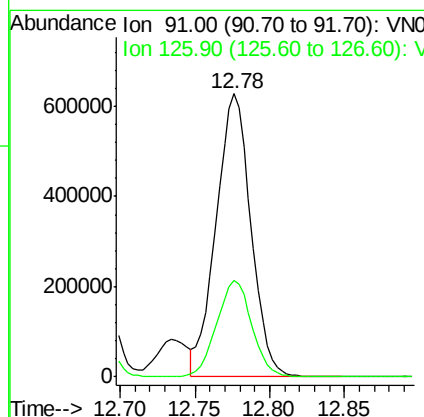
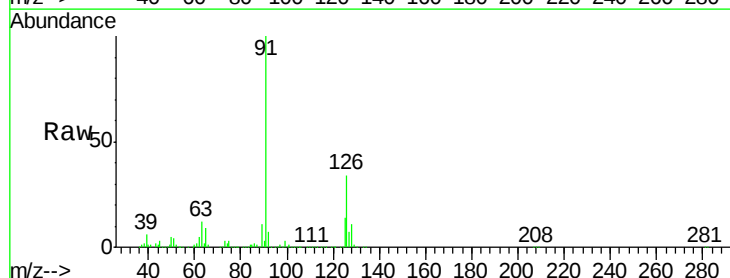
RT: 12.78 min Scan# 3479

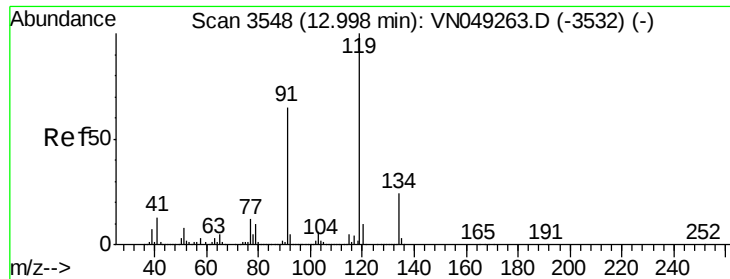
Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	91	Resp:	1013929
Ion Ratio	Lower	Upper	
91	100		
126	34.4	16.4	49.1





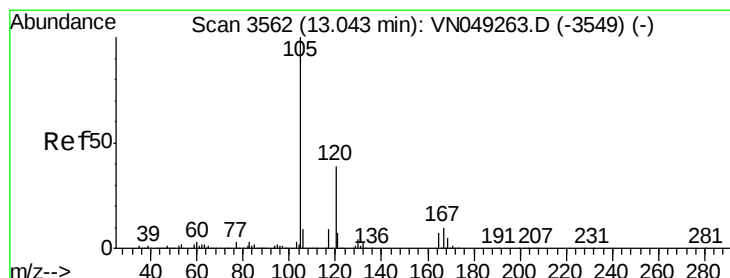
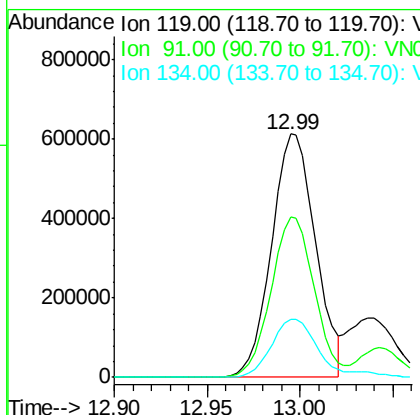
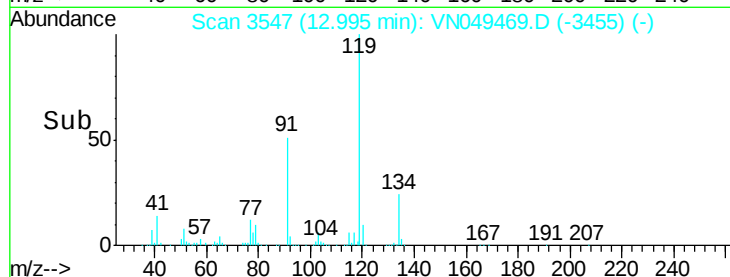
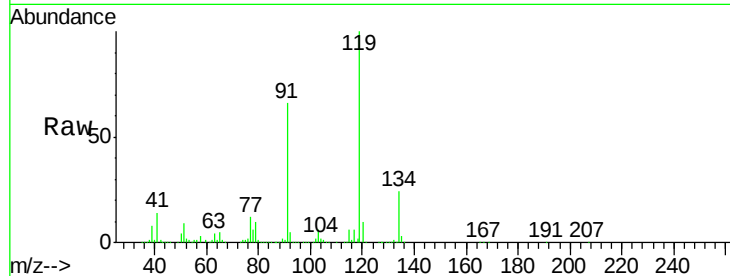
#83
 tert-Butylbenzene
 Concen: 18.76 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Tot Ion:119 Resp: 1014779
 Ion Ratio Lower Upper
 119 100
 91 64.6 33.7 101.0
 134 25.9 12.9 38.6

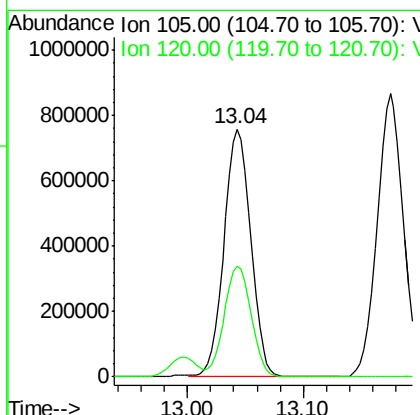
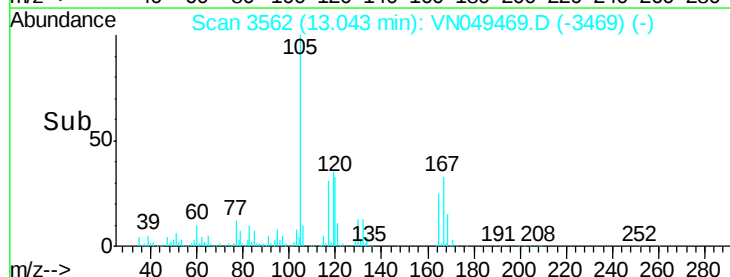
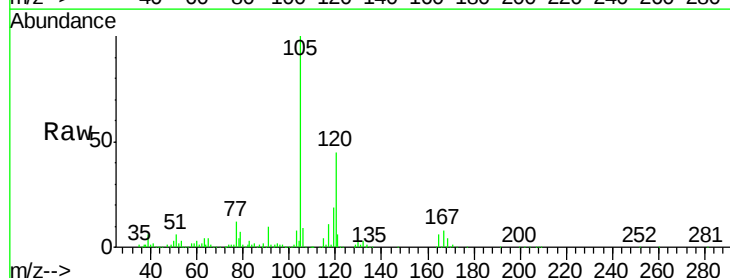
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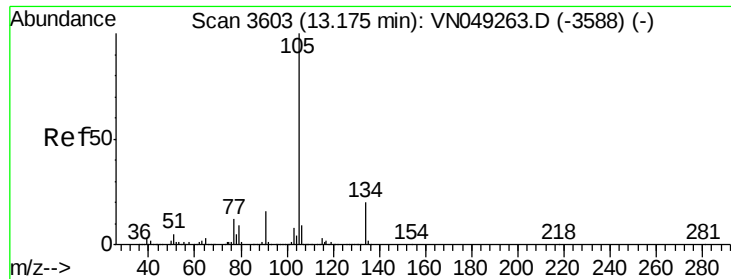
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.99 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion:105 Resp: 1212214
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.2 66.6





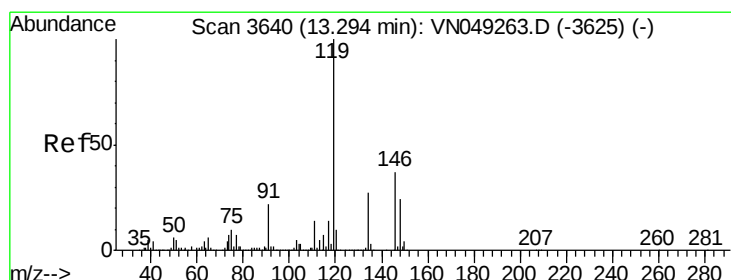
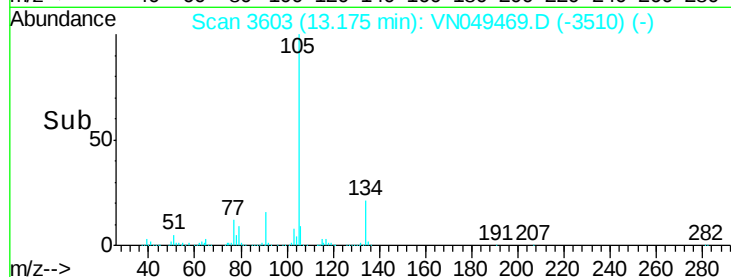
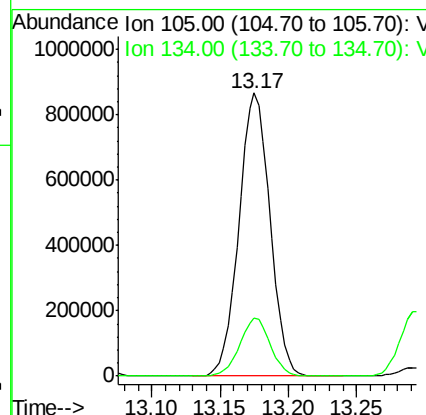
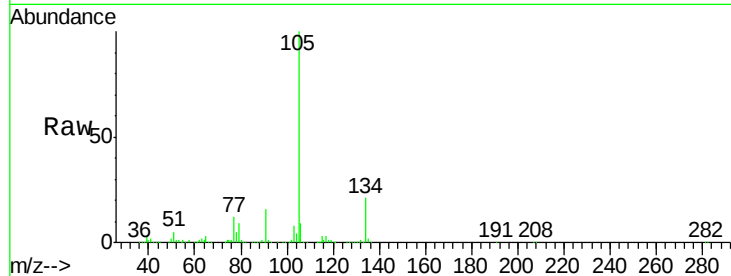
#85
 sec-Butylbenzene
 Concen: 18.96 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Tot Ion:105 Resp: 1364955
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.8 29.3

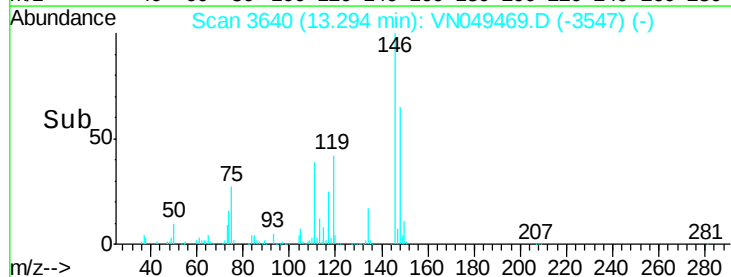
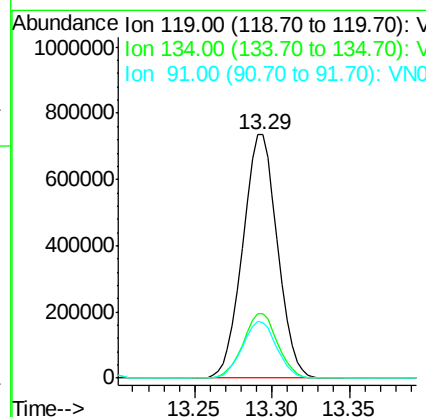
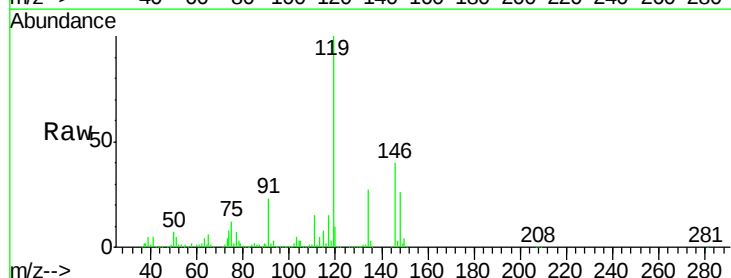
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#86
 p-Isopropyltoluene
 Concen: 18.98 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion:119 Resp: 1141354
 Ion Ratio Lower Upper
 119 100
 134 26.5 12.9 38.6
 91 23.0 12.1 36.3





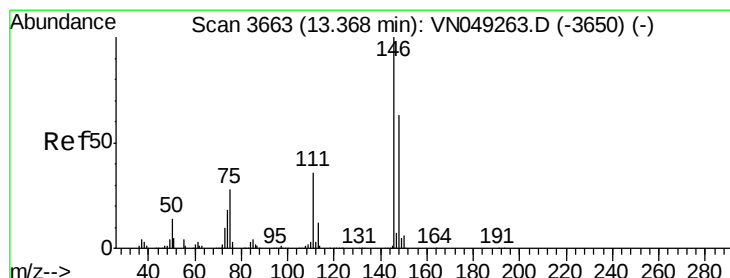
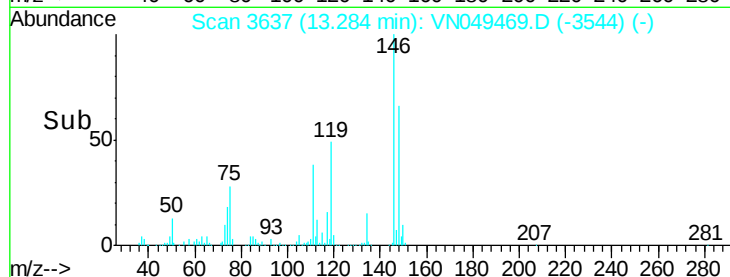
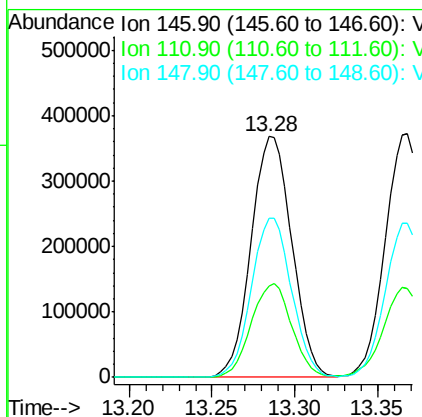
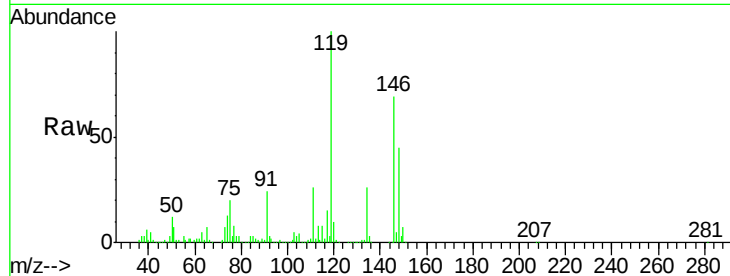
#87
 1,3-Dichlorobenzene
 Concen: 18.66 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.6
148	64.9	32.1	96.5

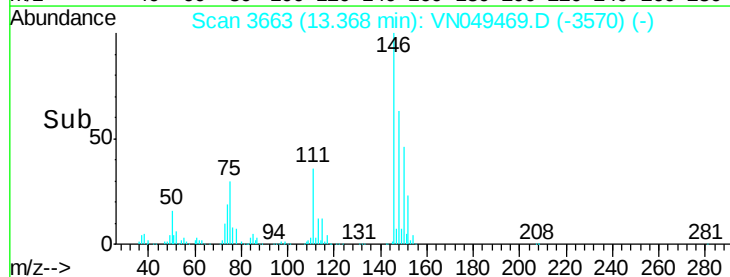
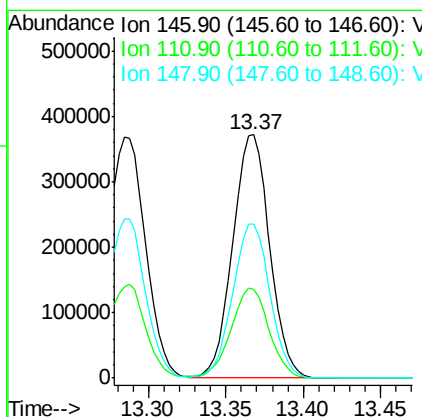
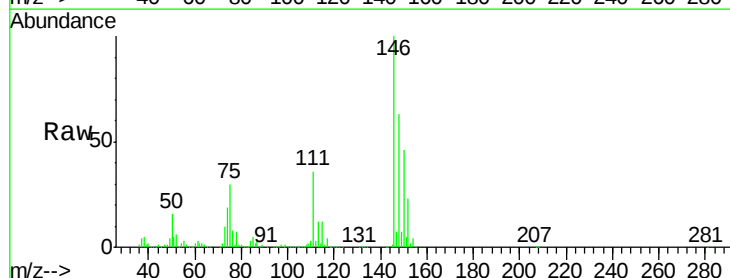
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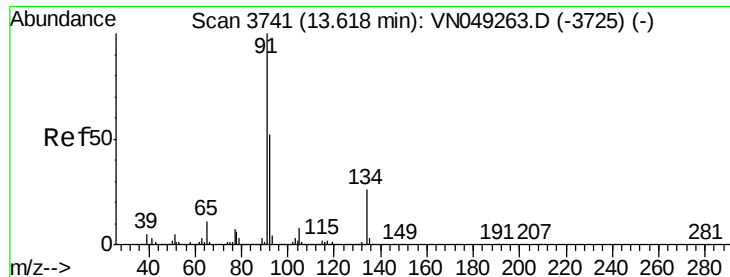
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#88
 1,4-Dichlorobenzene
 Concen: 18.40 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	63.9	32.0	96.2





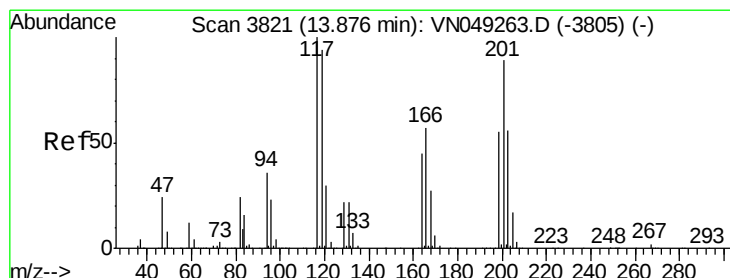
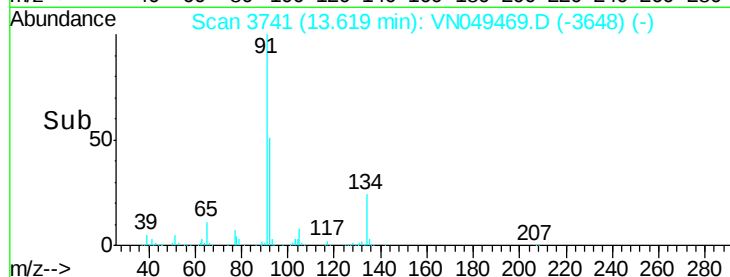
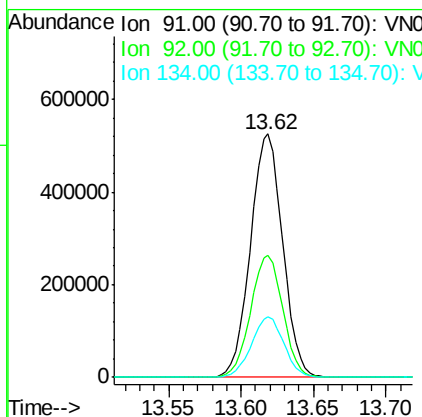
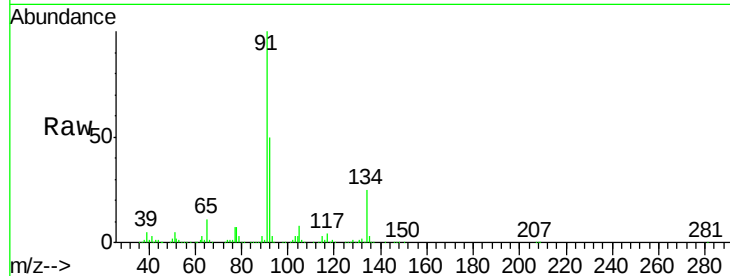
#89
n-Butylbenzene
Concen: 17.30 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.4	25.1	75.4
134	25.0	12.0	36.0

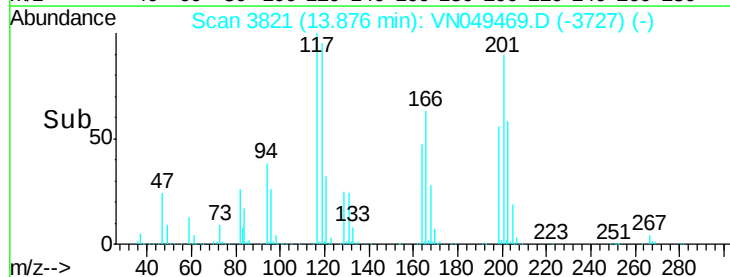
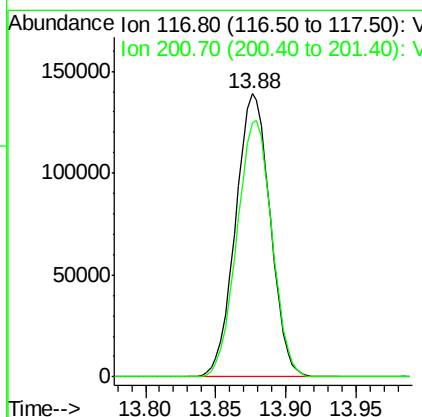
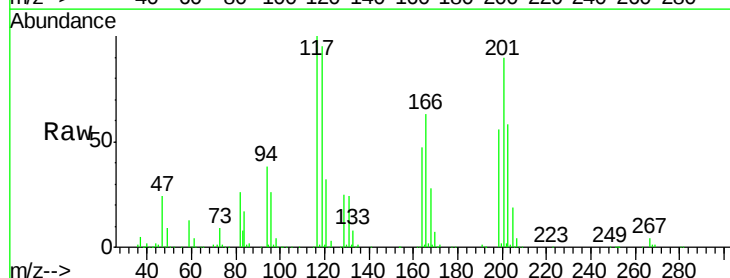
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#90
Hexachloroethane
Concen: 20.07 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049469.D
Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.1	40.1	120.2





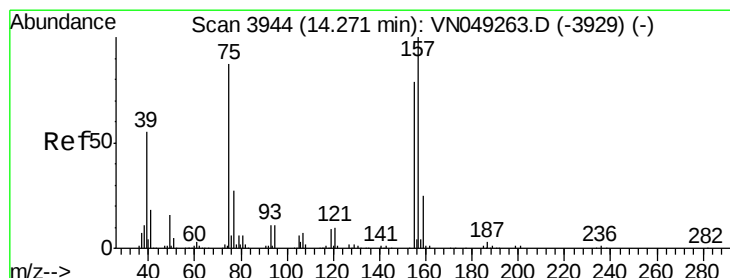
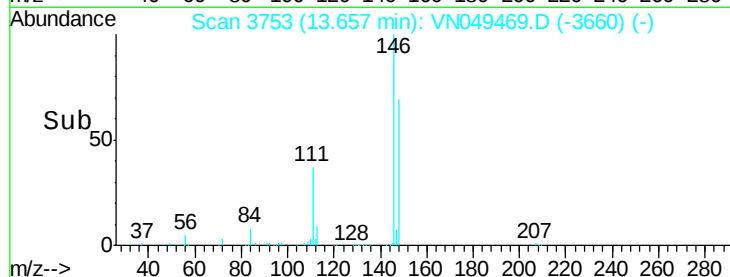
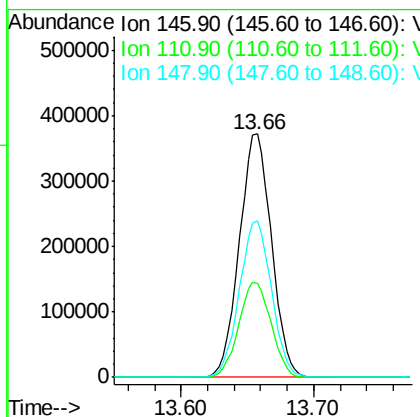
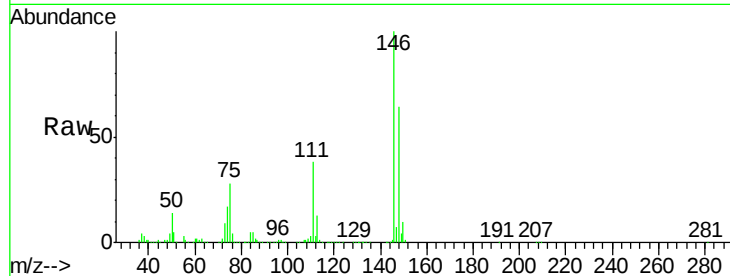
#91
 1,2-Dichlorobenzene
 Concen: 18.94 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0621WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.8	62.2
148	64.1	32.0	96.2

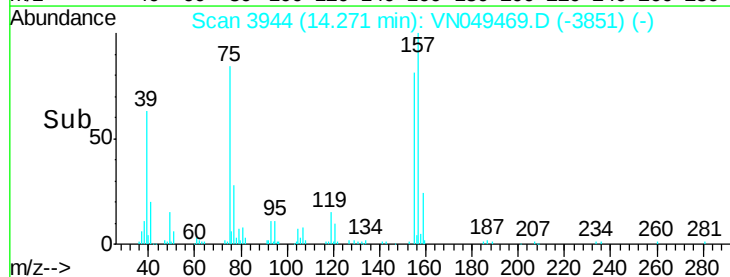
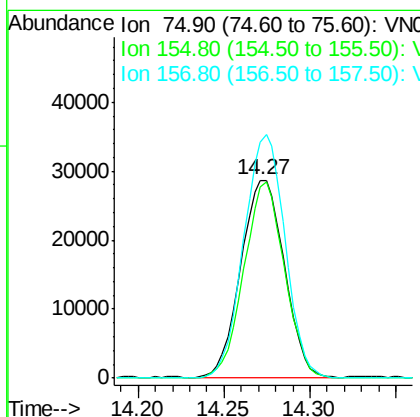
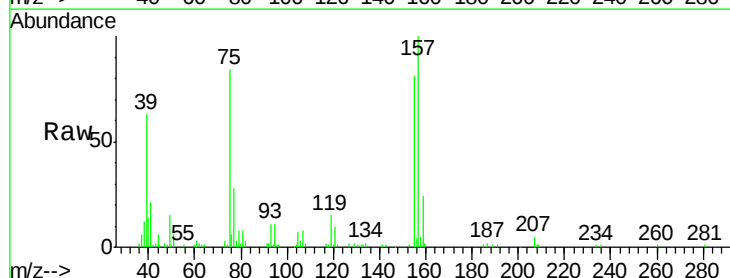
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.77 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	38.8	116.3
157	115.7	51.0	153.1





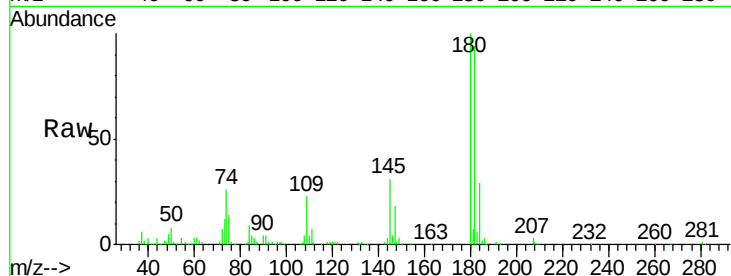
#93
 1,2,4-Trichlorobenzene
 Concen: 15.81 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBS01

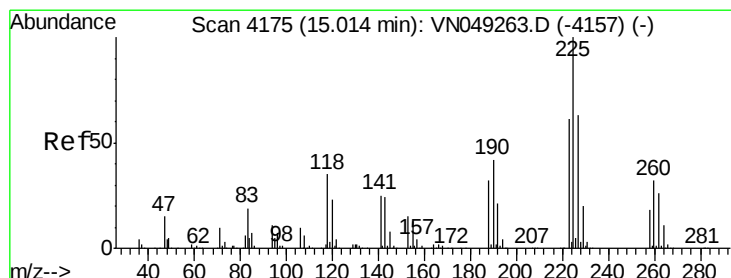
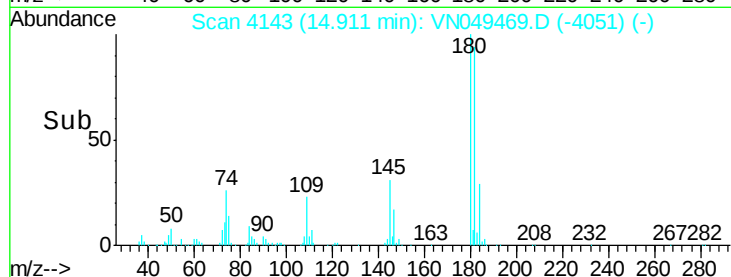
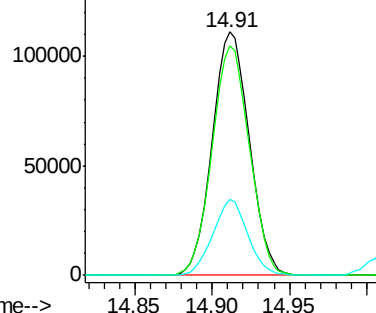
Tot Ion	Ratio	Resp	Lower	Upper
180	100	185548		
182	94.9	46.9	140.8	
145	29.4	14.7	44.1	

Manual Integrations
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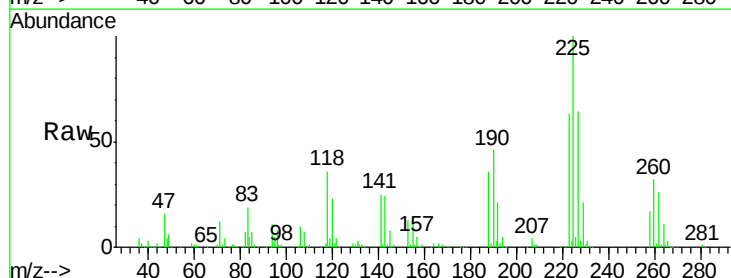


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

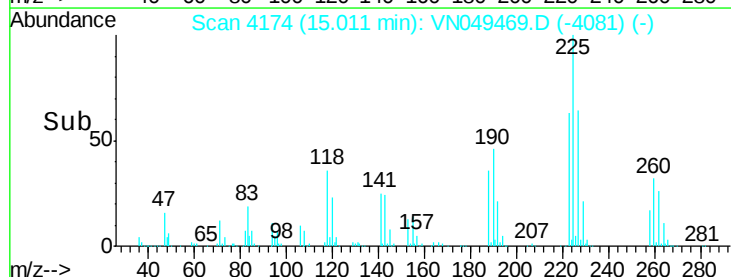
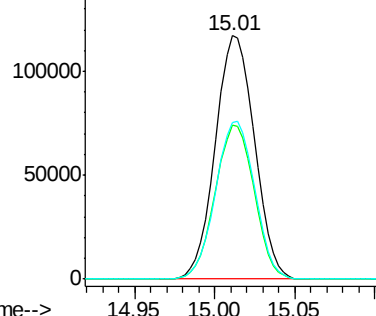


#94
 Hexachlorobutadiene
 Concen: 18.55 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049469.D
 Acq: 21 Jun 2018 15:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	196171		
223	63.0	32.1	96.3	
227	64.6	31.8	95.3	



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





#95

Naphthalene

Concen: 16.07 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Instrument :

MSVOA_N

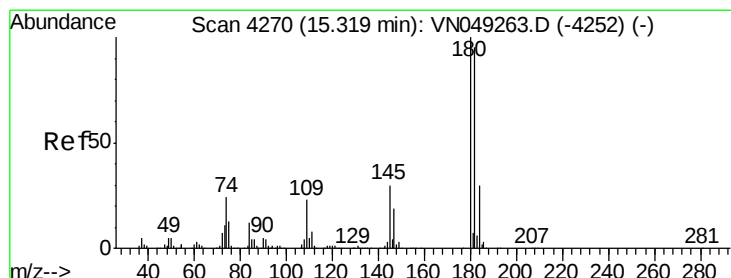
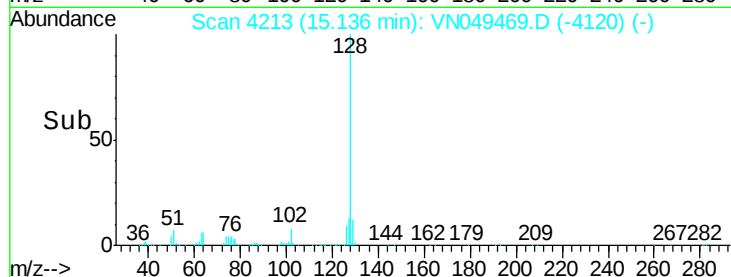
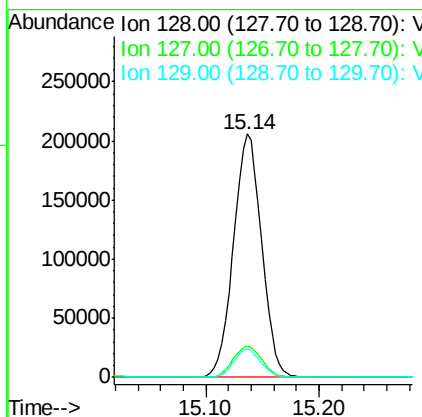
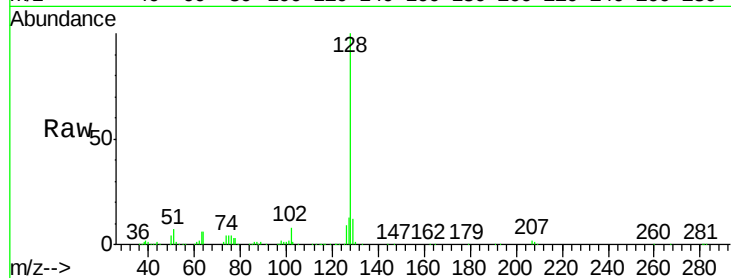
ClientSampled :

VN0621WBS01

Tot Ion:	128	Resp:	357192
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	11.2	8.5	12.7

Manual Integrations
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apatel
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#96

1,2,3-Trichlorobenzene

Concen: 16.54 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049469.D

Acq: 21 Jun 2018 15:26

Tgt Ion:	180	Resp:	208381
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.3	141.8
145	30.4	15.6	46.7

