

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050642.D
 Acq On : 15 Aug 2018 9:52
 Operator : MD\SY
 Sample : VN0815WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Quant Time: Aug 16 01:24:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	611914	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	888137	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	807676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	383366	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	360663	46.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.52%	
35) Dibromofluoromethane	7.59	113	336658	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.09	98	1266946	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.40	95	390206	44.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	119830	17.37	ug/l	97
3) Chloromethane	2.06	50	153179	17.90	ug/l	98
4) Vinyl Chloride	2.18	62	159801	17.44	ug/l	100
5) Bromomethane	2.57	94	90607	17.02	ug/l	97
6) Chloroethane	2.70	64	95129	17.65	ug/l	99
7) Trichlorofluoromethane	3.01	101	206930	17.21	ug/l	100
8) Diethyl Ether	3.41	74	68480	17.12	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	128983	17.74	ug/l	99
10) Methyl Iodide	3.95	142	85843	21.25	ug/l	99
11) Tert butyl alcohol	4.79	59	36282	86.15	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	115159	17.34	ug/l	95
13) Acrolein	3.61	56	14311	82.46	ug/l	98
14) Allyl chloride	4.33	41	179782	17.41	ug/l	100
15) Acrylonitrile	4.99	53	199564	86.27	ug/l	98
16) Acetone	3.82	43	184502	94.90	ug/l	97
17) Carbon Disulfide	4.05	76	355817	17.03	ug/l	99
18) Methyl Acetate	4.33	43	100581	17.93	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	295774	17.50	ug/l	97
20) Methylene Chloride	4.55	84	136332	17.78	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	123719	17.19	ug/l	100
22) Diisopropyl ether	5.95	45	393036	18.56	ug/l	94
23) Vinyl Acetate	5.90	43	1227649	88.63	ug/l	100
24) 1,1-Dichloroethane	5.85	63	238429	17.40	ug/l	100
25) 2-Butanone	6.84	43	286196	90.50	ug/l	99
26) 2,2-Dichloropropane	6.83	77	196947	21.47	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	139353	17.39	ug/l	98
28) Bromochloromethane	7.20	49	117095	18.78	ug/l	100
29) Tetrahydrofuran	7.22	42	143244	86.75	ug/l	100
30) Chloroform	7.37	83	241835	17.42	ug/l	99
31) Cyclohexane	7.66	56	209353	17.68	ug/l #	93
32) 1,1,1-Trichloroethane	7.57	97	206915	17.70	ug/l	99
36) 1,1-Dichloropropene	7.80	75	180983	18.31	ug/l	99
37) Ethyl Acetate	6.94	43	101999	18.25	ug/l	97
38) Carbon Tetrachloride	7.77	117	182238	17.77	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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Quant Time: Aug 16 01:24:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	186506	18.22	ug/l	98
40) Benzene	8.04	78	550623	18.31	ug/l	99
41) Methacrylonitrile	7.18	41	49124	16.26	ug/l	89
42) 1,2-Dichloroethane	8.13	62	164613	17.86	ug/l	99
43) Isopropyl Acetate	8.17	43	175845	17.27	ug/l	99
44) Trichloroethene	8.84	130	144401	17.92	ug/l	98
45) 1,2-Dichloropropane	9.12	63	144370	18.03	ug/l	100
46) Dibromomethane	9.21	93	83695	17.70	ug/l	97
47) Bromodichloromethane	9.40	83	176865	17.50	ug/l	99
48) Methyl methacrylate	9.20	41	88596	17.29	ug/l	98
49) 1,4-Dioxane	9.20	88	23984	355.26	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	626181	90.91	ug/l	100
52) Toluene	10.16	92	336123	18.72	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	168682	17.92	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	199062	18.43	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	120558	17.97	ug/l	99
56) Ethyl methacrylate	10.43	69	135824	17.17	ug/l	99
57) 1,3-Dichloropropane	10.71	76	197401	17.95	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	374164	97.89	ug/l	100
59) 2-Hexanone	10.75	43	410163	92.26	ug/l	99
60) Dibromochloromethane	10.90	129	133822	18.07	ug/l	98
61) 1,2-Dibromoethane	11.01	107	115607	18.09	ug/l	99
64) Tetrachloroethene	10.63	164	133879	17.85	ug/l	99
65) Chlorobenzene	11.43	112	358083	17.81	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	135082	17.93	ug/l	100
67) Ethyl Benzene	11.51	91	586851	18.08	ug/l	99
68) m/p-Xylenes	11.62	106	460740	37.12	ug/l	99
69) o-Xylene	11.95	106	213913	18.07	ug/l	98
70) Styrene	11.96	104	345079	17.02	ug/l	100
71) Bromoform	12.13	173	88739	17.76	ug/l #	98
73) Isopropylbenzene	12.25	105	569348	19.01	ug/l	100
74) N-amyl acetate	12.07	43	135008	17.32	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143964	19.27	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	163772	25.95	ug/l #	100
77) Bromobenzene	12.53	156	145929	17.94	ug/l	99
78) n-propylbenzene	12.59	91	646671	19.36	ug/l	99
79) 2-Chlorotoluene	12.68	91	390591	18.76	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	468671	19.54	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32741	18.99	ug/l	97
82) 4-Chlorotoluene	12.77	91	385454	18.73	ug/l	99
83) tert-Butylbenzene	12.99	119	388360	18.66	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	474448	19.71	ug/l	99
85) sec-Butylbenzene	13.17	105	523855	19.26	ug/l	100
86) p-Isopropyltoluene	13.29	119	445014	19.31	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	248346	17.94	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	241134	17.55	ug/l	99
89) n-Butylbenzene	13.62	91	335809	18.04	ug/l	98
90) Hexachloroethane	13.88	117	83939	18.11	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	240584	17.81	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18811	17.60	ug/l	99

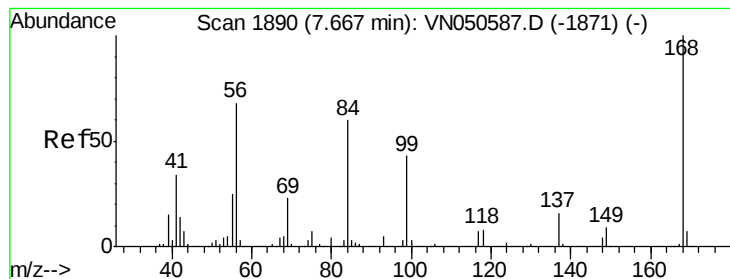
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
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Instrument :
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Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98439	16.12	ug/l	99
94) Hexachlorobutadiene	15.01	225	76813	18.55	ug/l	97
95) Naphthalene	15.13	128	178839	15.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	96158	16.21	ug/l	96

(#) = 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: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

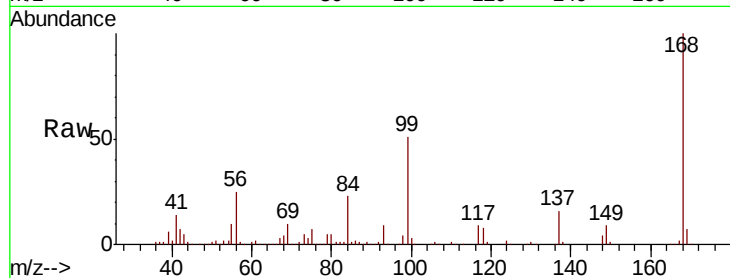
VN0815WBS01

Tot Ion:168 Resp: 611914

Ion Ratio Lower Upper

168 100

99 50.8 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

100000

50000

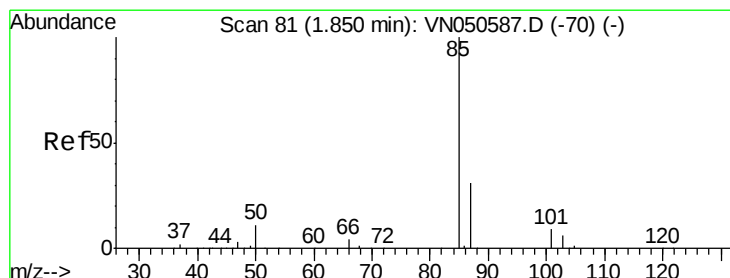
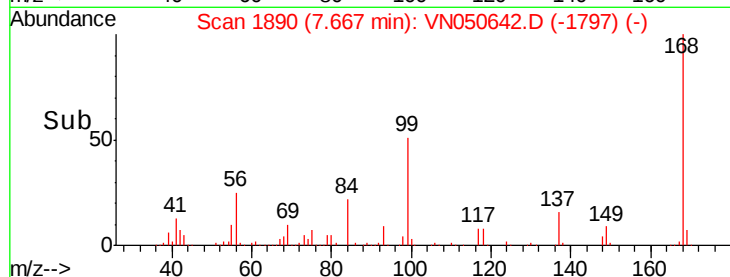
0

Time-->

7.60

7.70

7.80



#2

Dichlorodifluoromethane

Concen: 17.37 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050642.D

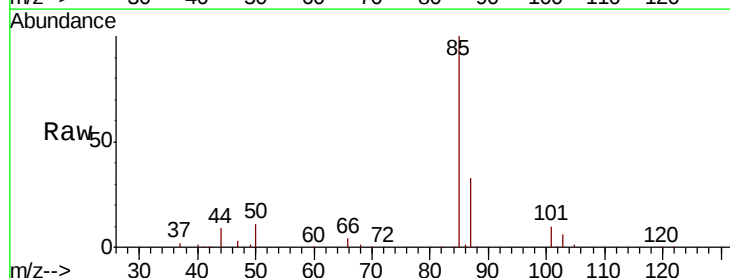
Acq: 15 Aug 2018 9:52

Tgt Ion: 85 Resp: 119830

Ion Ratio Lower Upper

85 100

87 32.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

40000

20000

0

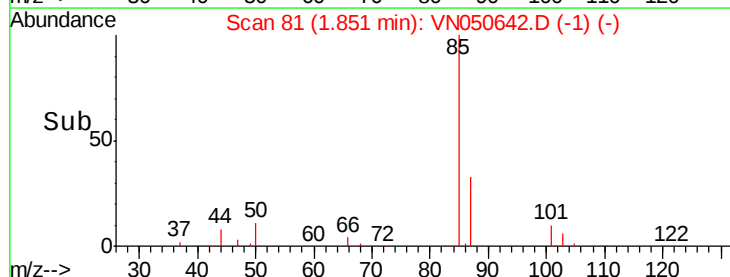
Time-->

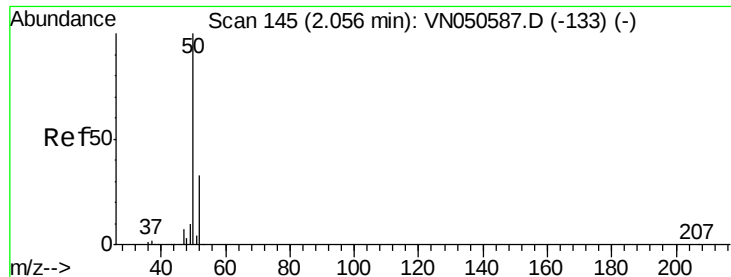
1.80

1.85

1.90

1.95





#3

Chloromethane

Concen: 17.90 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

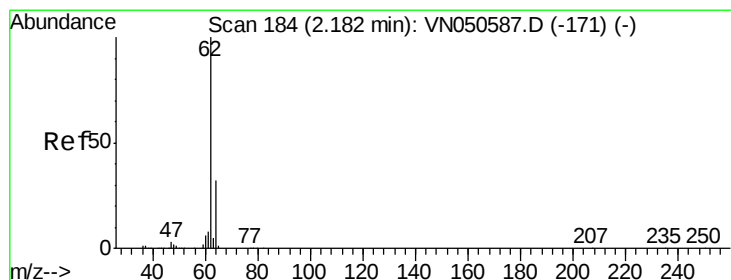
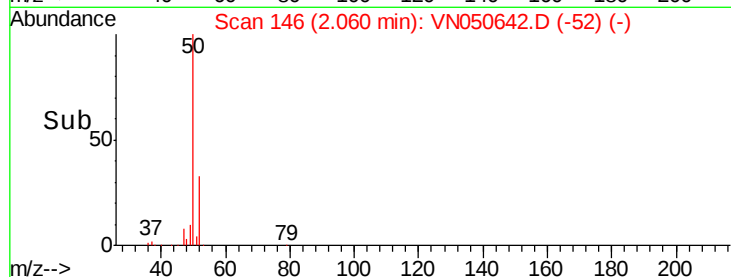
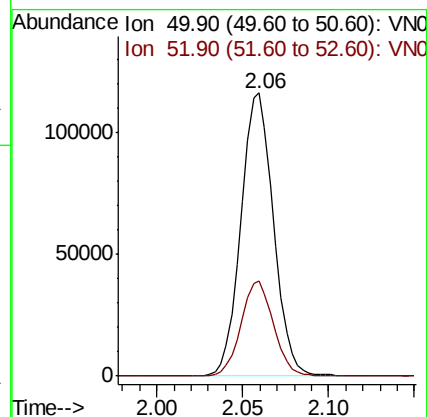
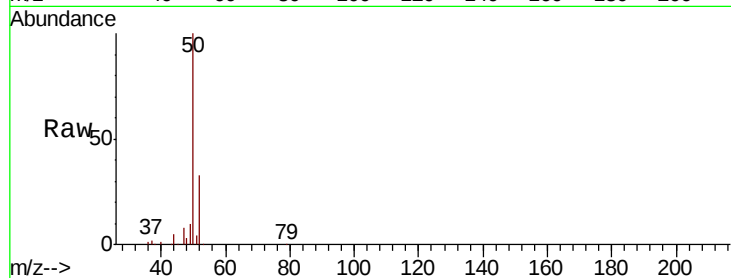
VN0815WBS01

Tot Ion: 50 Resp: 153179

Ion Ratio Lower Upper

50 100

52 33.5 26.0 39.0



#4

Vinyl Chloride

Concen: 17.44 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050642.D

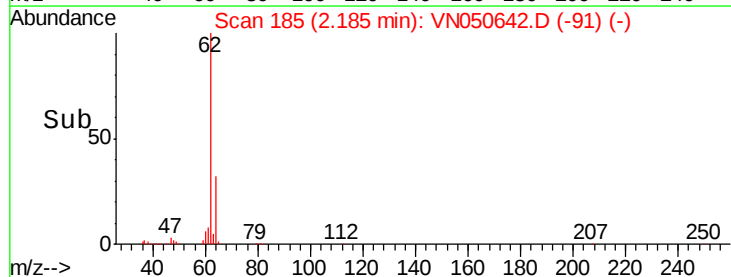
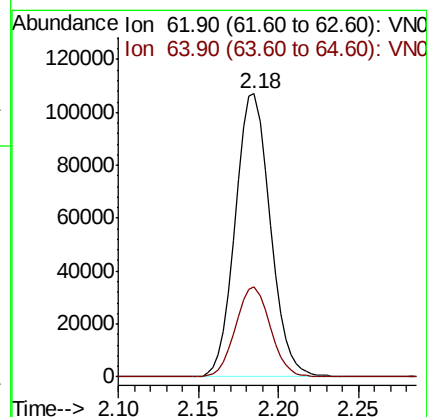
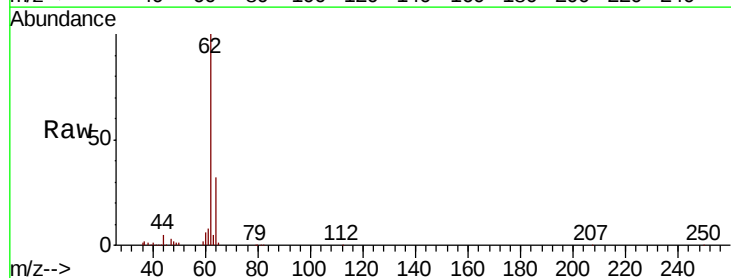
Acq: 15 Aug 2018 9:52

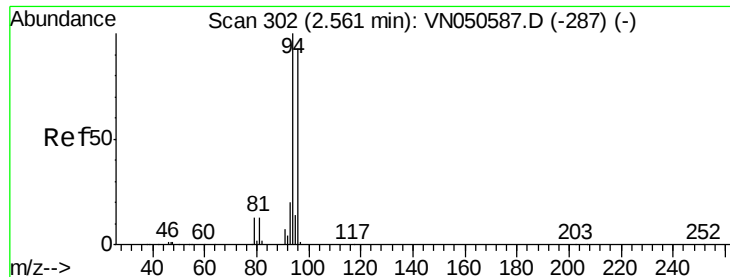
Tgt Ion: 62 Resp: 159801

Ion Ratio Lower Upper

62 100

64 31.7 25.2 37.8





#5

Bromomethane

Concen: 17.02 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

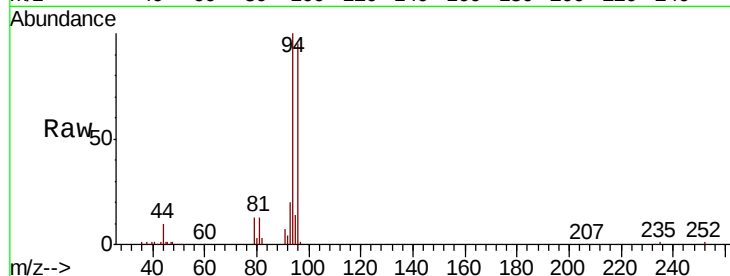
VN0815WBS01

Tot Ion: 94 Resp: 90607

Ion Ratio Lower Upper

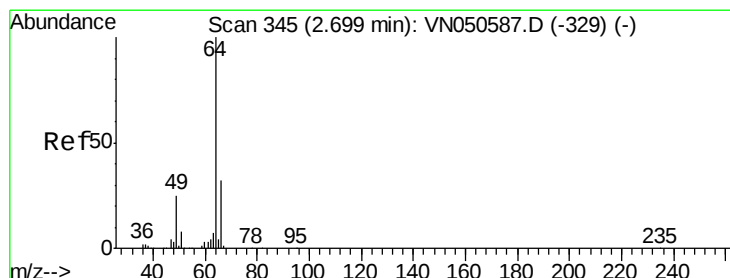
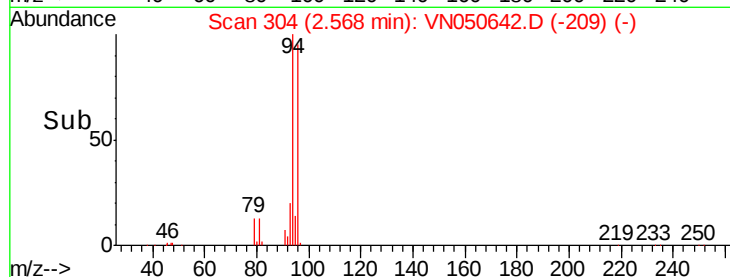
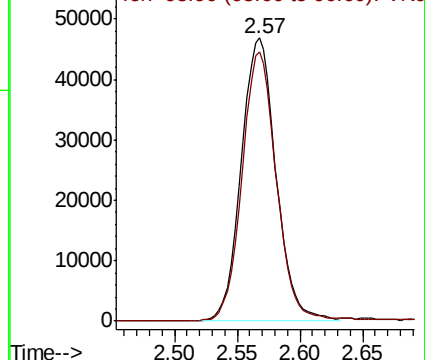
94 100

96 95.4 74.0 111.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.65 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050642.D

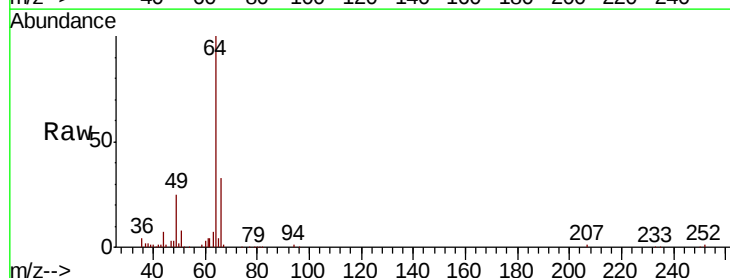
Acq: 15 Aug 2018 9:52

Tgt Ion: 64 Resp: 95129

Ion Ratio Lower Upper

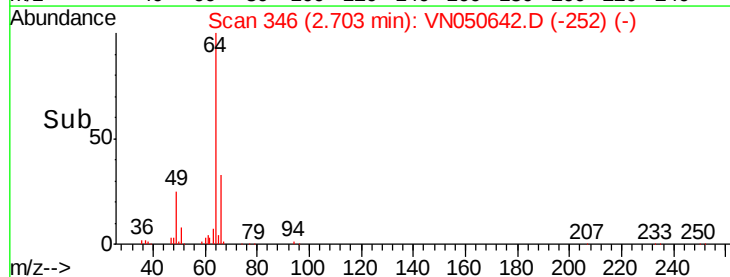
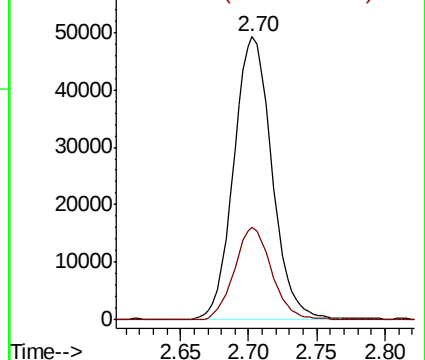
64 100

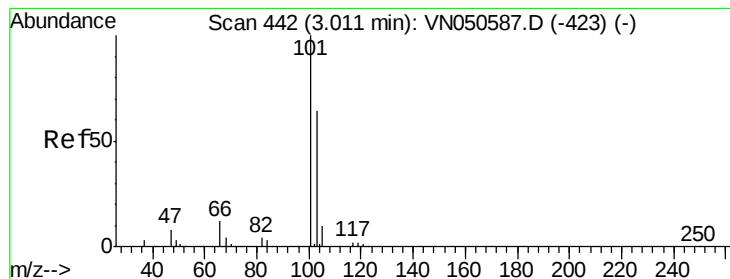
66 32.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 17.21 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

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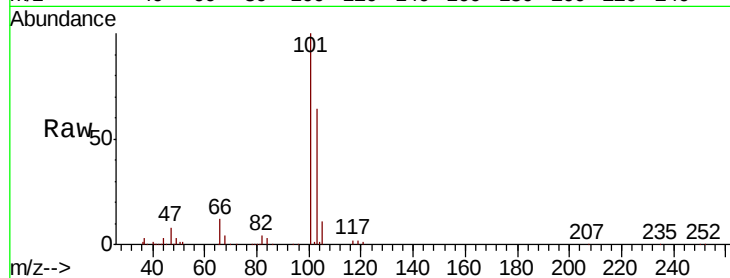
VN0815WBS01

Tot Ion:101 Resp: 206930

Ion Ratio Lower Upper

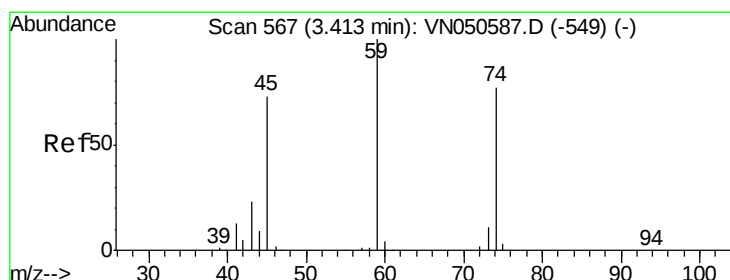
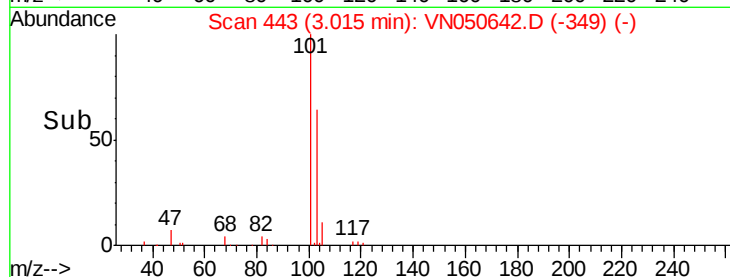
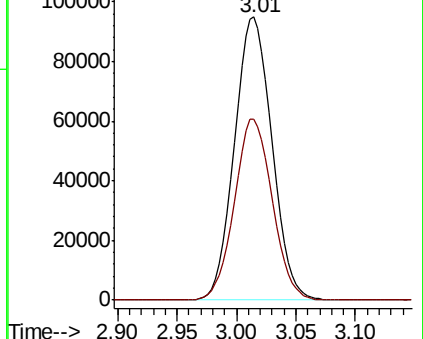
101 100

103 63.8 51.4 77.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 17.12 ug/l

RT: 3.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN050642.D

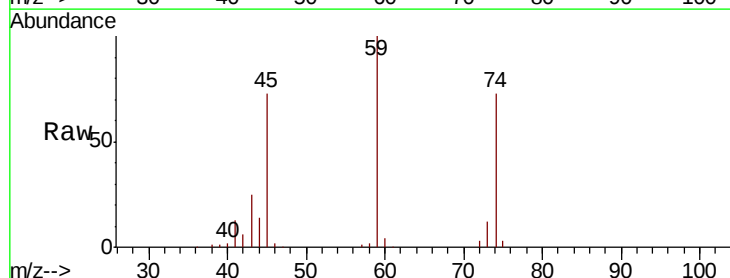
Acq: 15 Aug 2018 9:52

Tgt Ion: 74 Resp: 68480

Ion Ratio Lower Upper

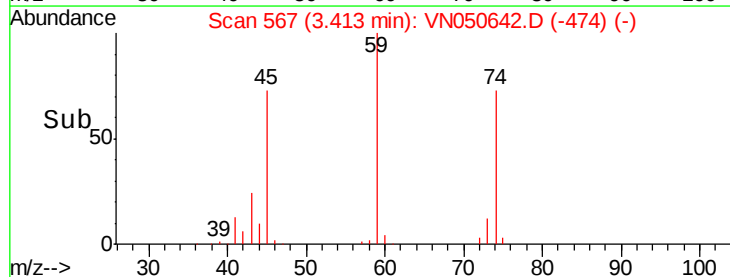
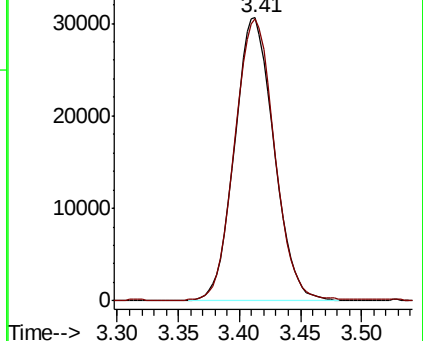
74 100

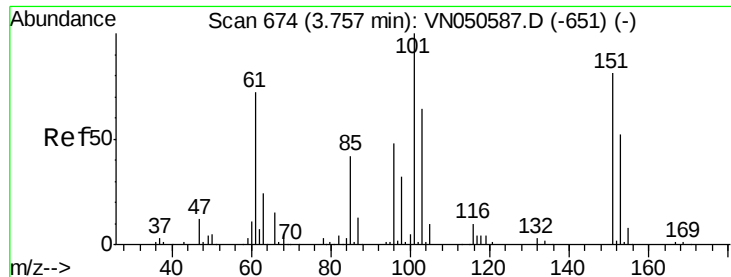
45 101.0 48.0 144.2



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.74 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

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VN0815WBS01

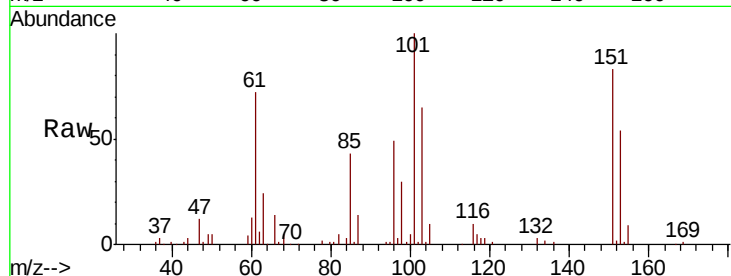
Tot Ion:101 Resp: 128983

Ion Ratio Lower Upper

101 100

85 42.8 33.4 50.0

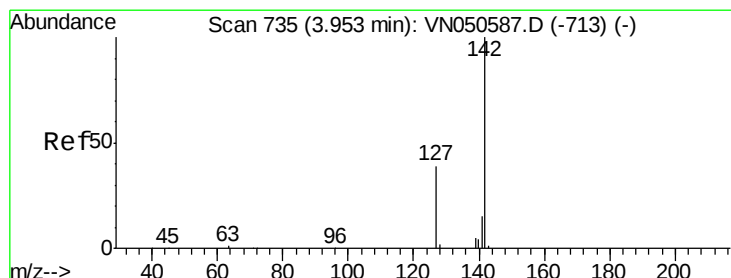
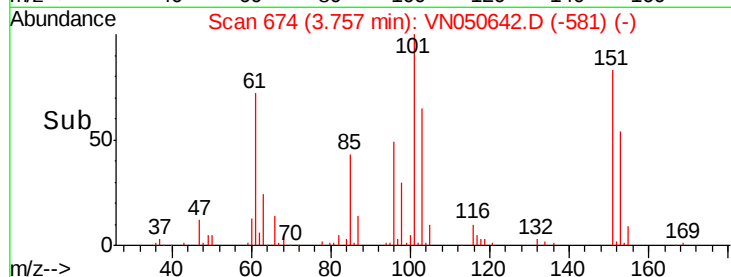
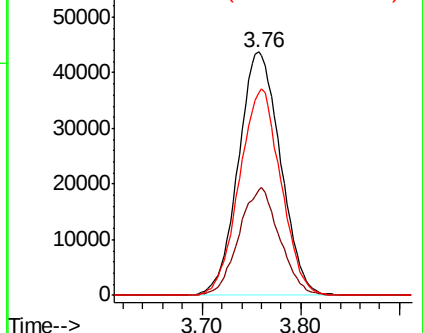
151 83.7 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.25 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

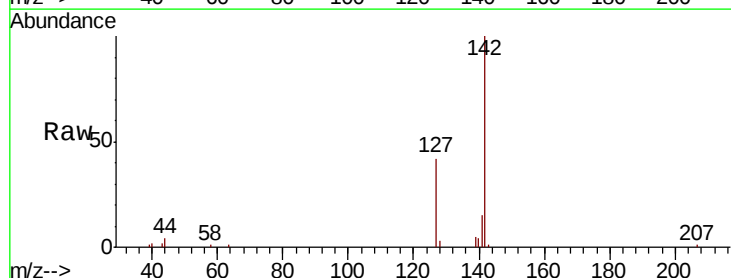
Tgt Ion:142 Resp: 85843

Ion Ratio Lower Upper

142 100

127 41.3 32.6 49.0

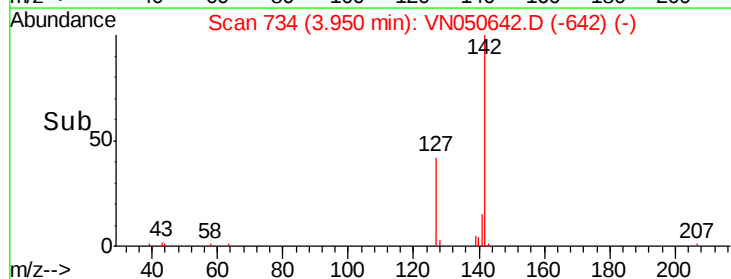
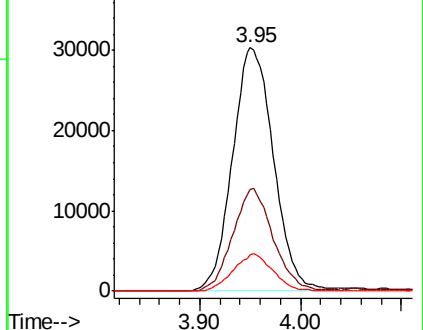
141 14.6 11.5 17.3

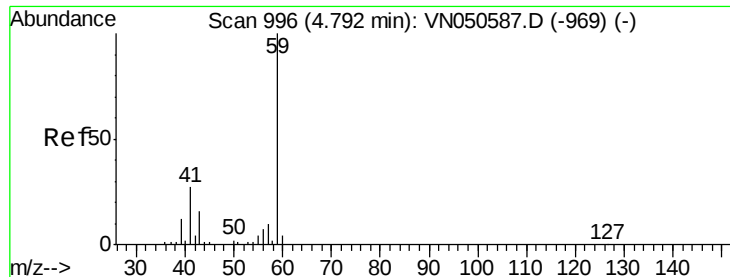


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

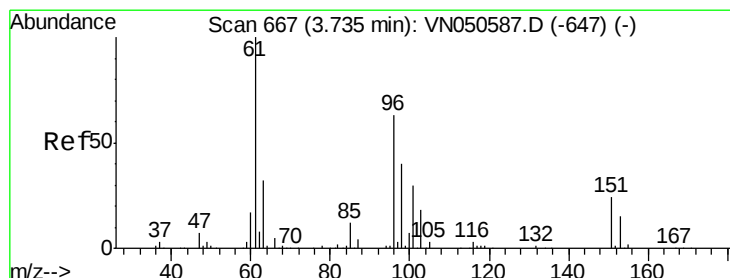
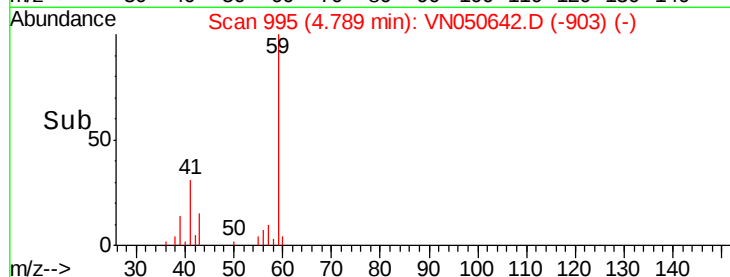
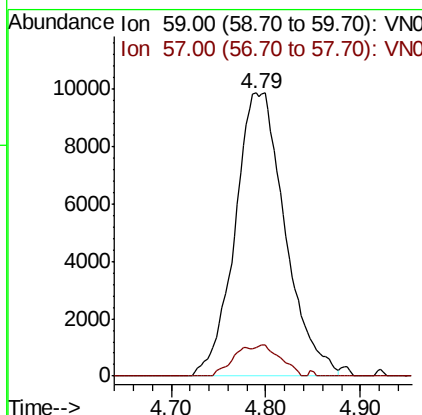
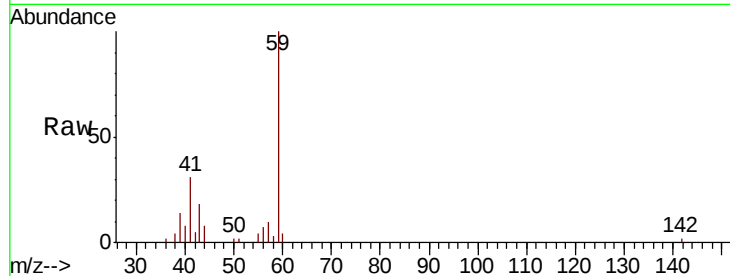




#11
Tert butyl alcohol
Concen: 86.15 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

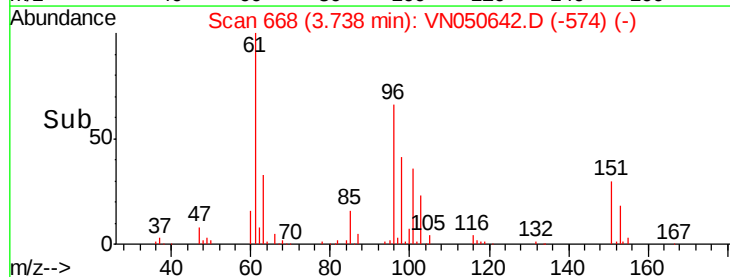
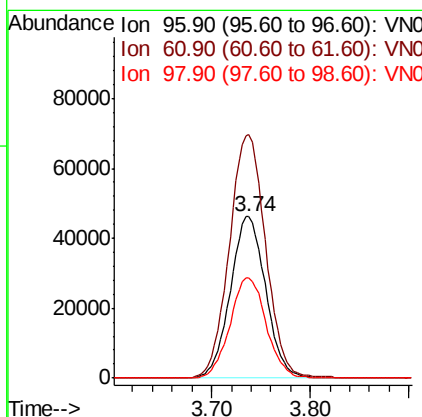
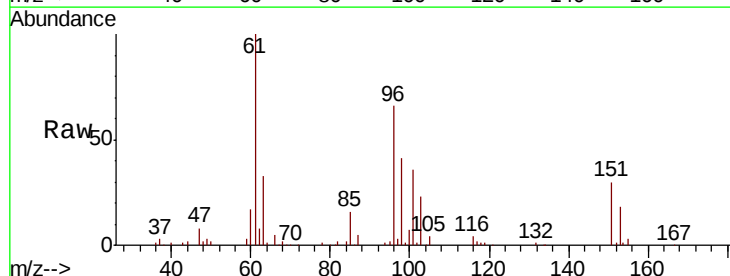
Instrument :
MSVOA_N
ClientSampled :
VN0815WBS01

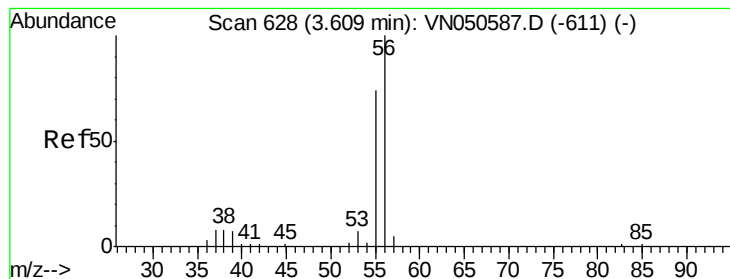
Tot Ion: 59 Resp: 36282
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 17.34 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion: 96 Resp: 115159
Ion Ratio Lower Upper
96 100
61 150.6 126.9 190.3
98 62.2 51.1 76.7





#13

Acrolein

Concen: 82.46 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

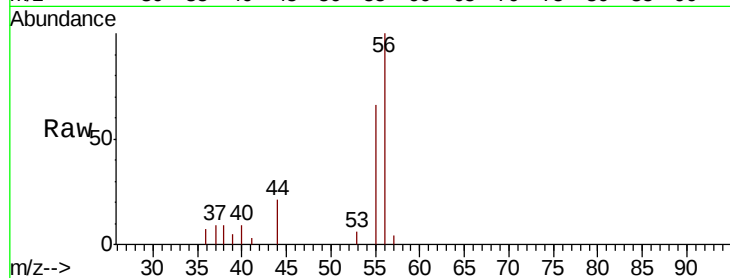
VN0815WBS01

Tot Ion: 56 Resp: 14311

Ion Ratio Lower Upper

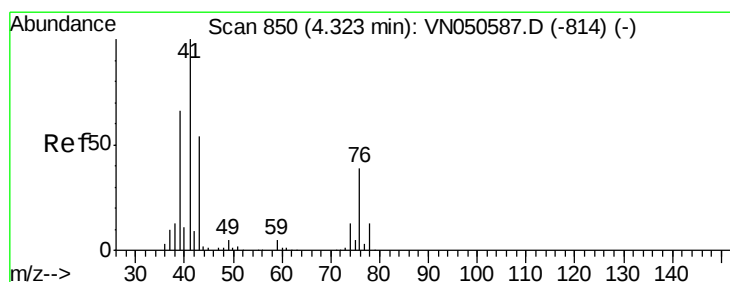
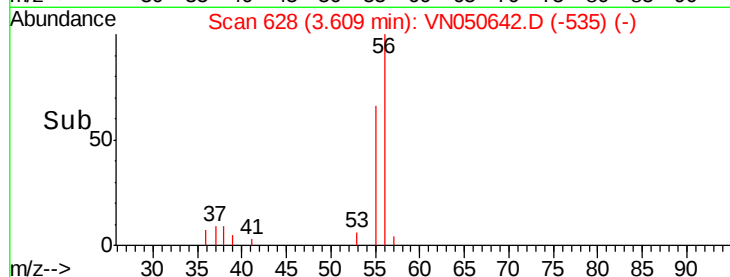
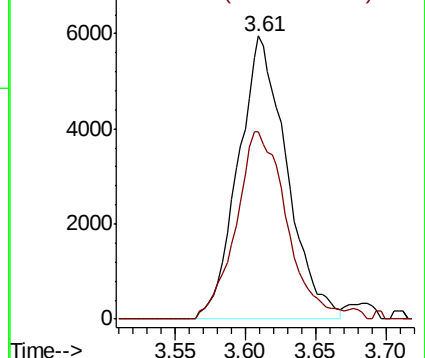
56 100

55 69.2 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.41 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

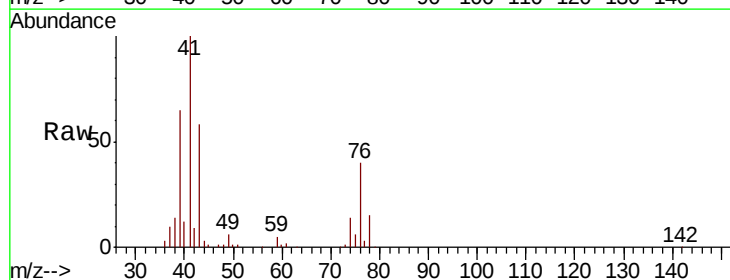
Tgt Ion: 41 Resp: 179782

Ion Ratio Lower Upper

41 100

39 63.9 51.4 77.0

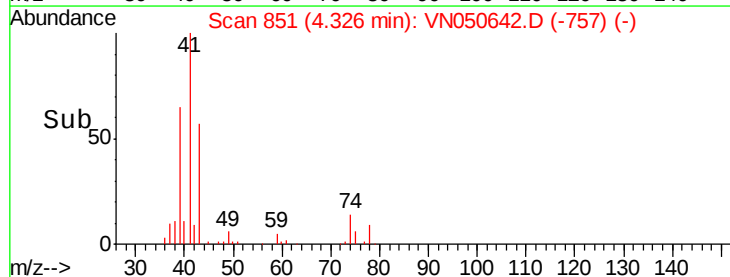
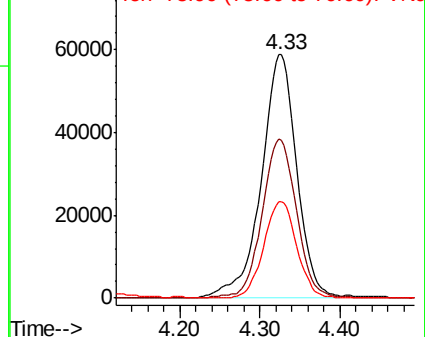
76 36.3 29.4 44.0

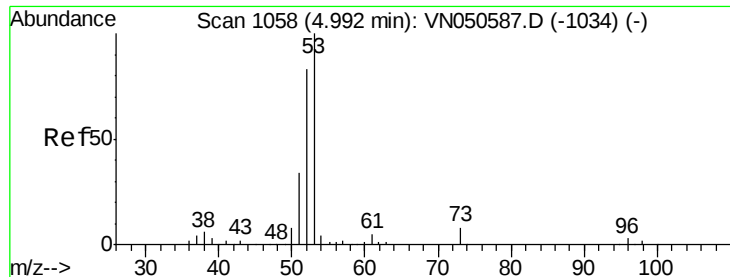


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 86.27 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

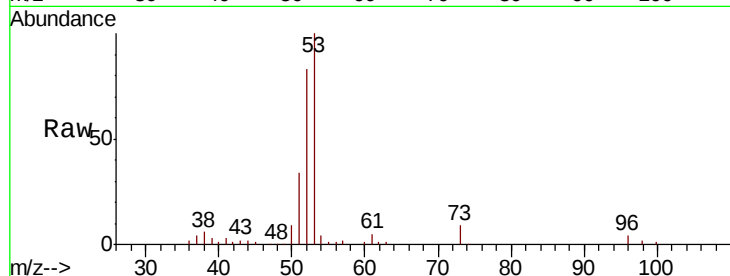
Tot Ion: 53 Resp: 199564

Ion Ratio Lower Upper

53 100

52 80.6 66.2 99.2

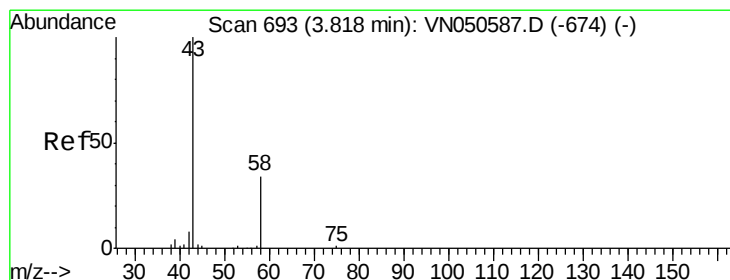
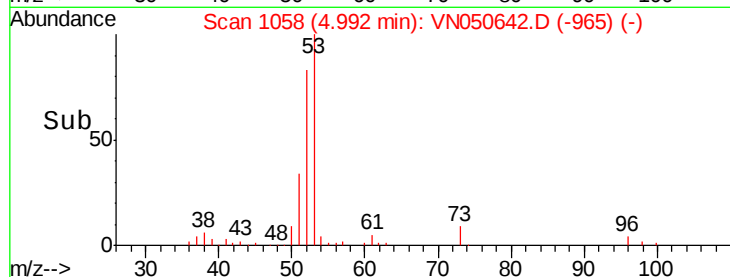
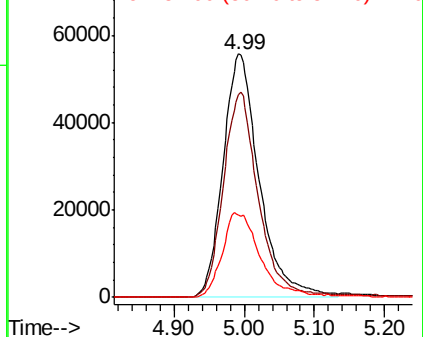
51 36.9 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 94.90 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050642.D

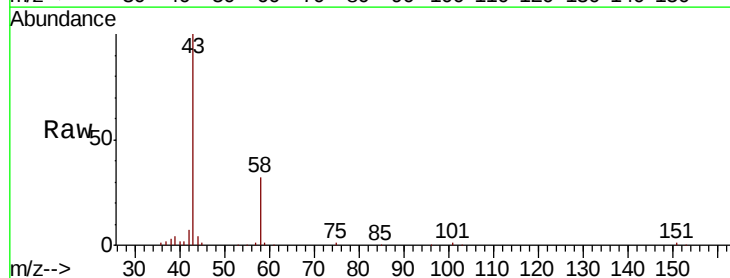
Acq: 15 Aug 2018 9:52

Tgt Ion: 43 Resp: 184502

Ion Ratio Lower Upper

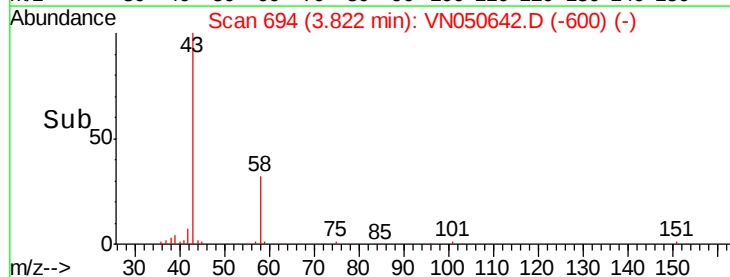
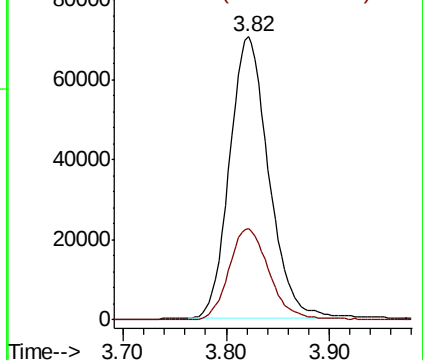
43 100

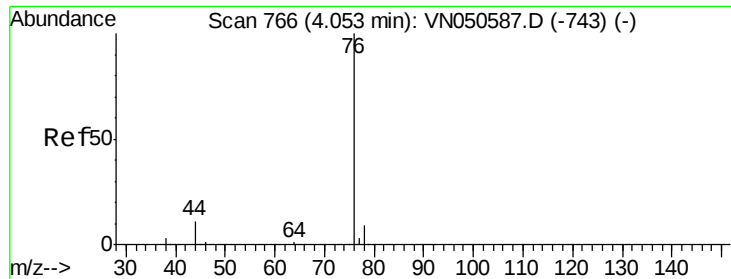
58 32.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

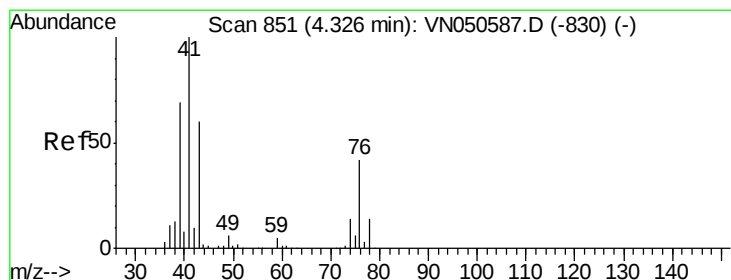
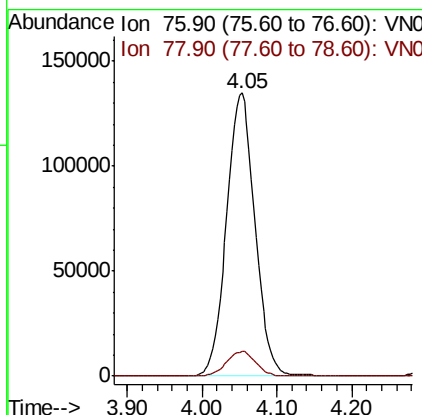
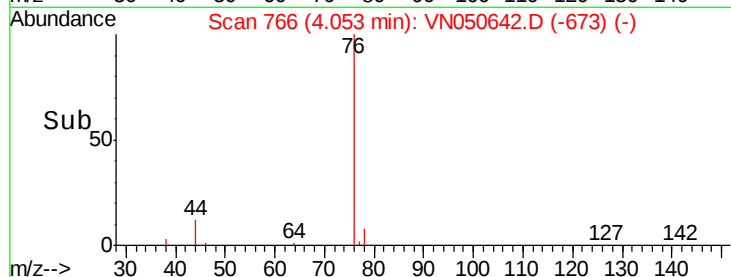
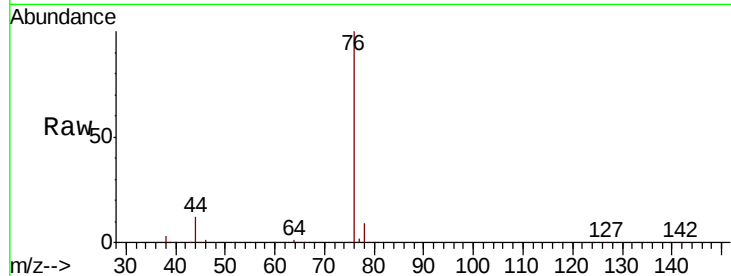




#17
Carbon Disulfide
Concen: 17.03 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

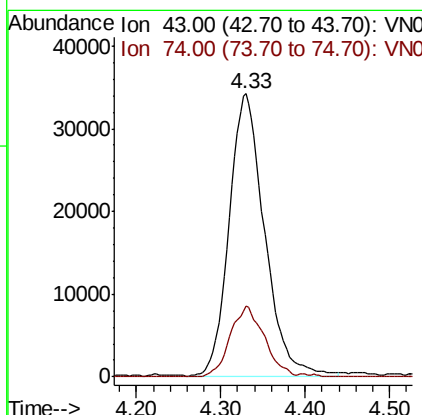
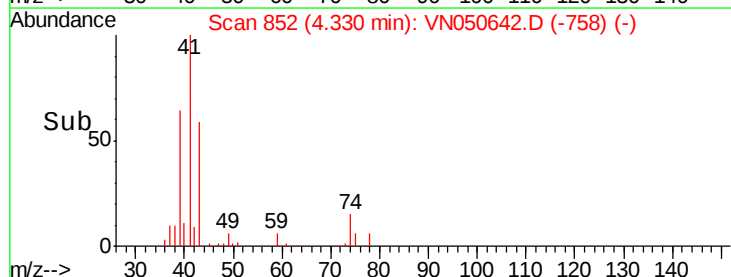
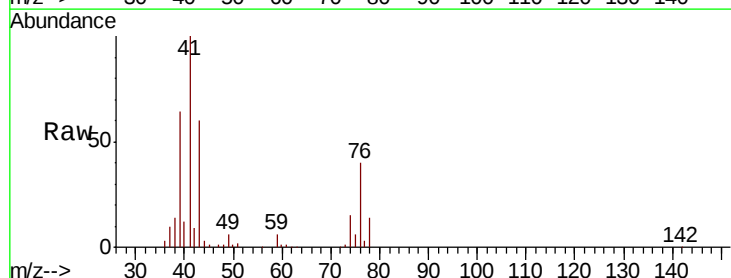
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

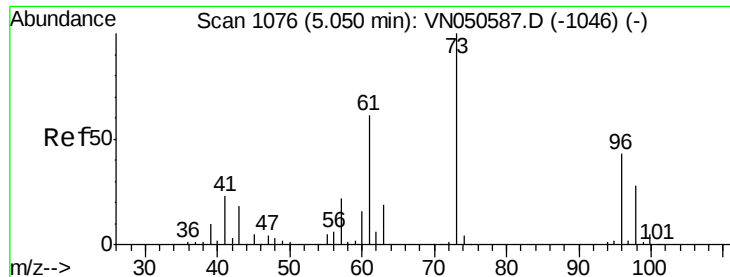
Tot Ion: 76 Resp: 355817
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9



#18
Methyl Acetate
Concen: 17.93 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion: 43 Resp: 100581
Ion Ratio Lower Upper
43 100
74 24.0 19.7 29.5

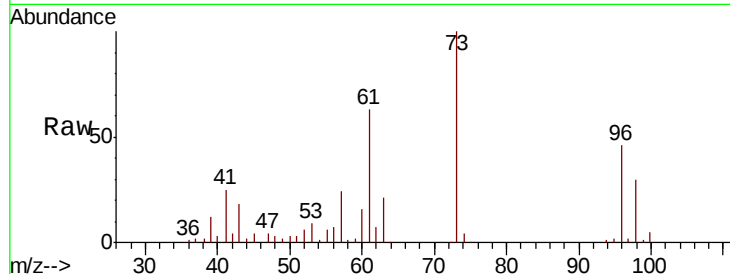




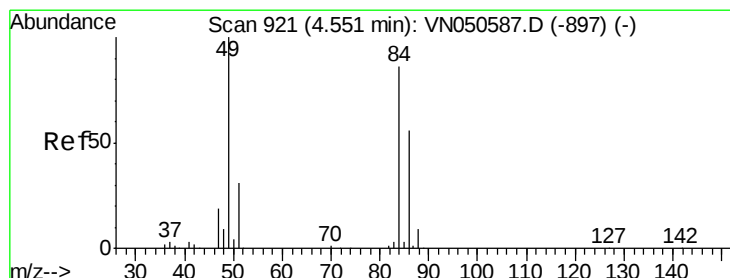
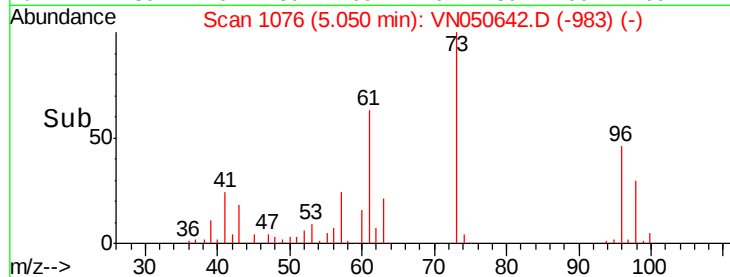
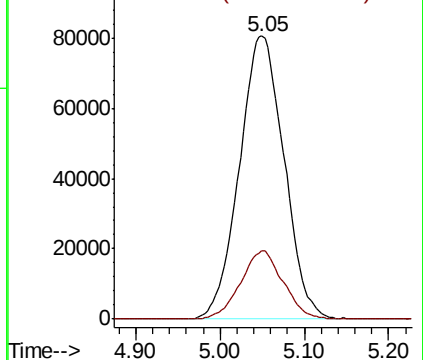
#19
Methvl tert-butvl Ether
Concen: 17.50 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion: 73 Resp: 295774
Ion Ratio Lower Upper
73 100
57 24.1 17.9 26.9

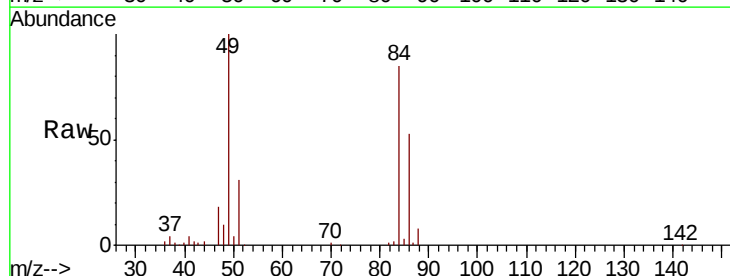


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

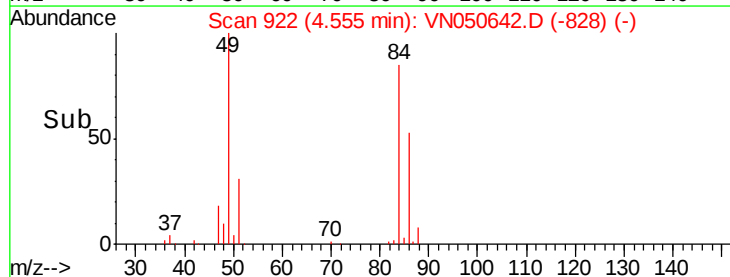
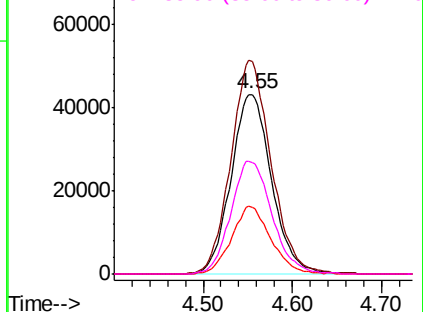


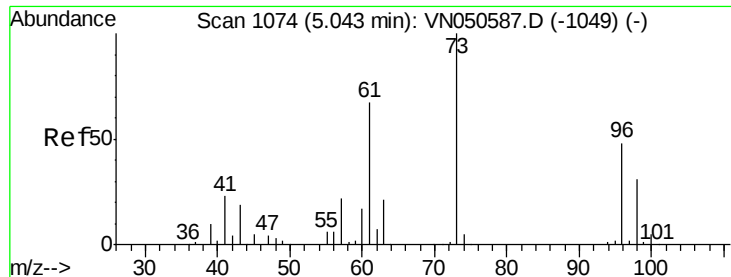
#20
Methylene Chloride
Concen: 17.78 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion: 84 Resp: 136332
Ion Ratio Lower Upper
84 100
49 117.7 92.6 138.8
51 37.1 28.6 43.0
86 62.3 52.2 78.2



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 17.19 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

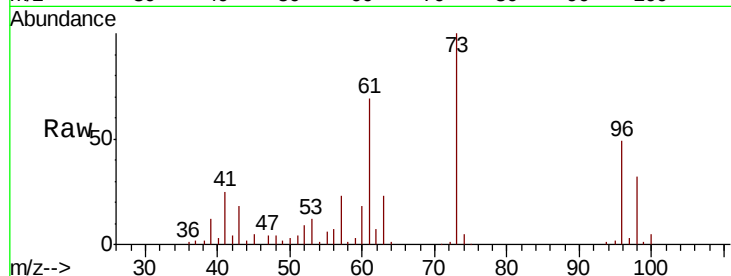
Tot Ion: 96 Resp: 123719

Ion Ratio Lower Upper

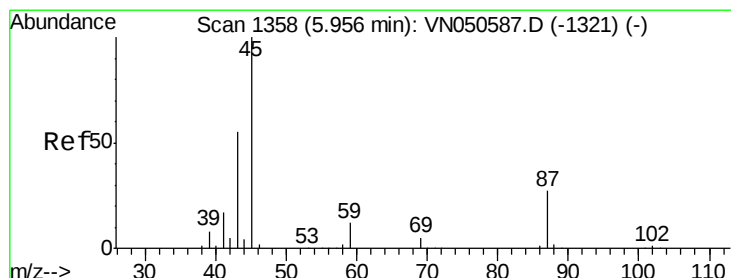
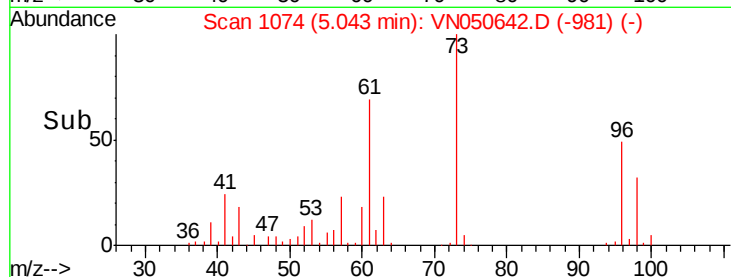
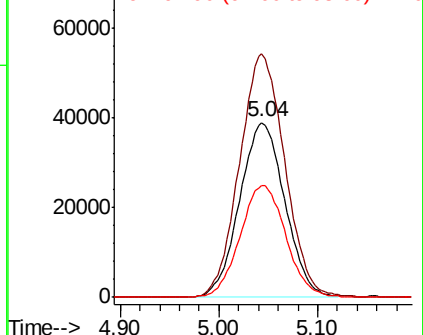
96 100

61 139.3 111.2 166.8

98 64.0 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 18.56 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Tgt Ion: 45 Resp: 393036

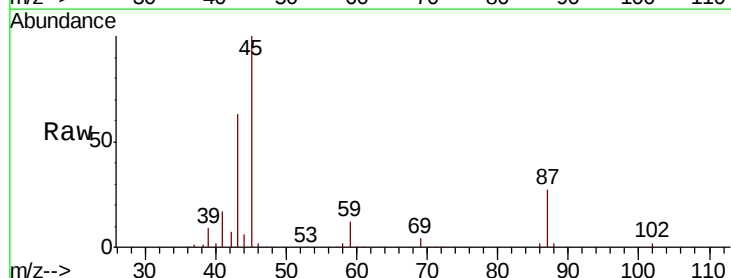
Ion Ratio Lower Upper

45 100

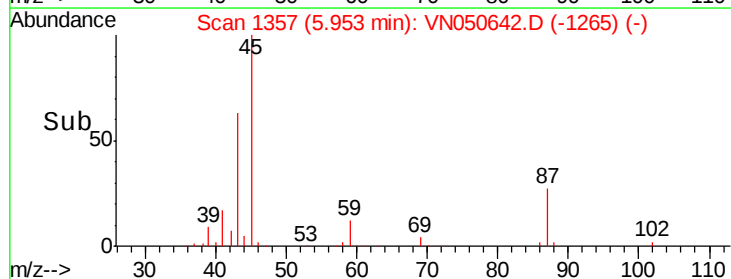
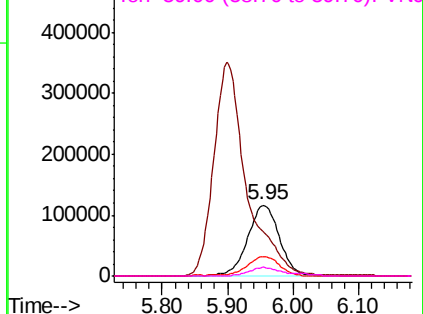
43 61.7 44.5 66.7

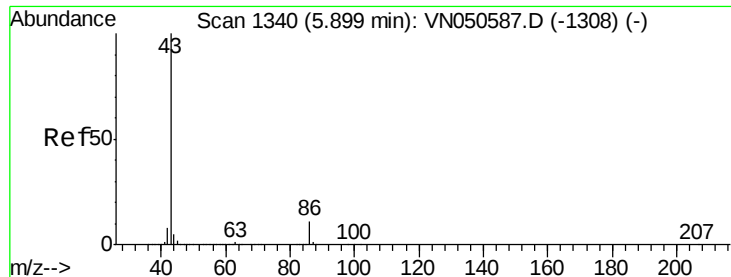
87 26.6 22.2 33.2

59 11.6 9.5 14.3



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 88.63 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

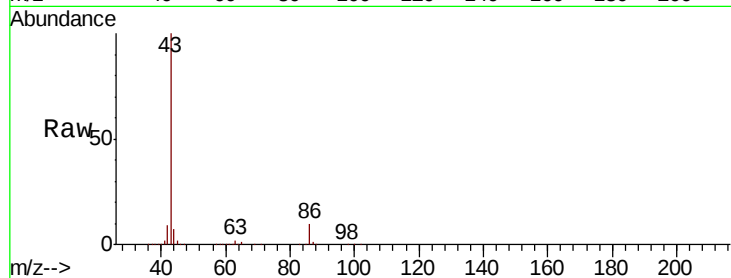
VN0815WBS01

Tot Ion: 43 Resp: 1227649

Ion Ratio Lower Upper

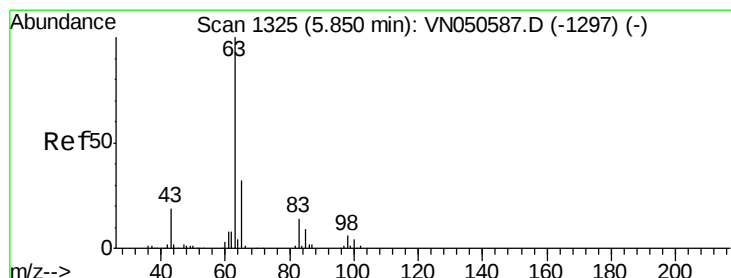
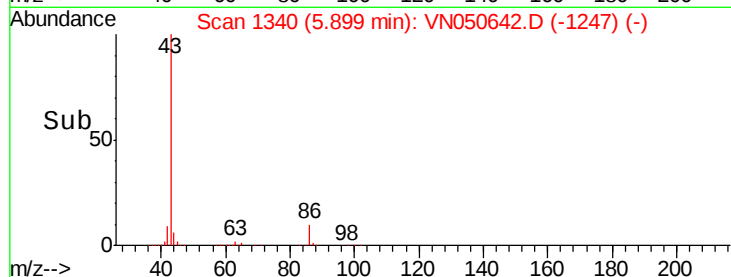
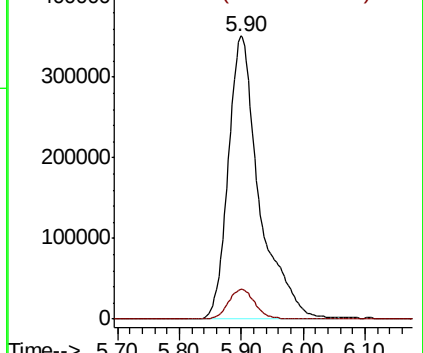
43 100

86 10.4 8.4 12.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 17.40 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

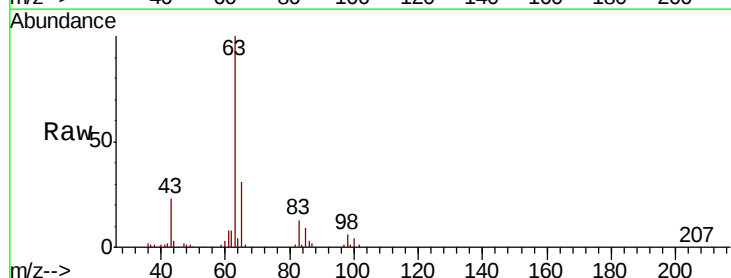
Tgt Ion: 63 Resp: 238429

Ion Ratio Lower Upper

63 100

98 6.4 3.2 9.6

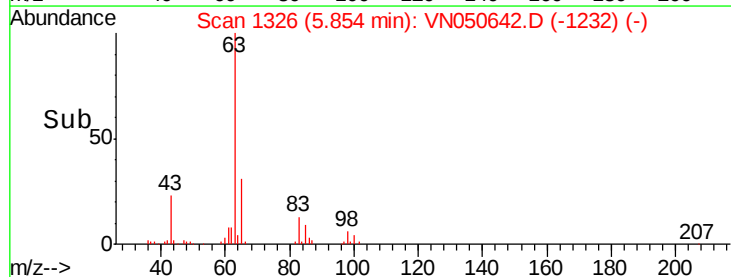
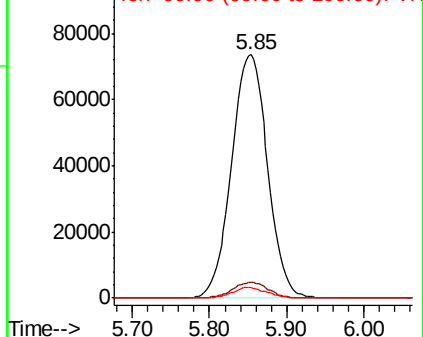
100 4.2 2.1 6.5

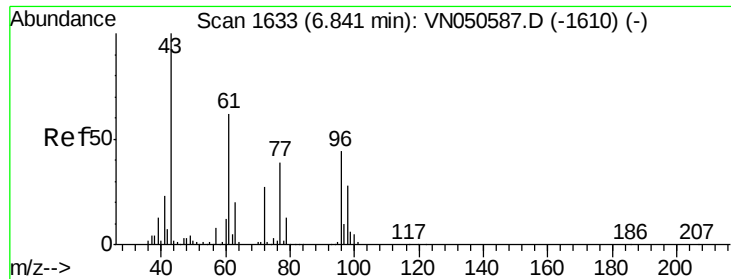


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

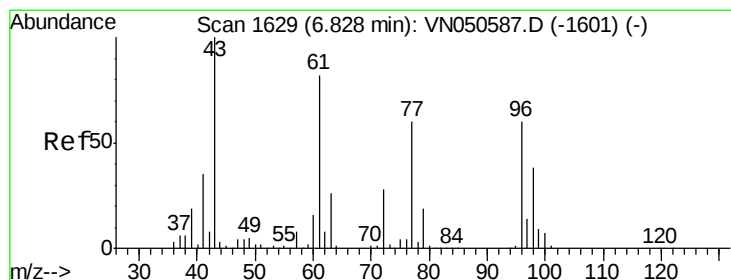
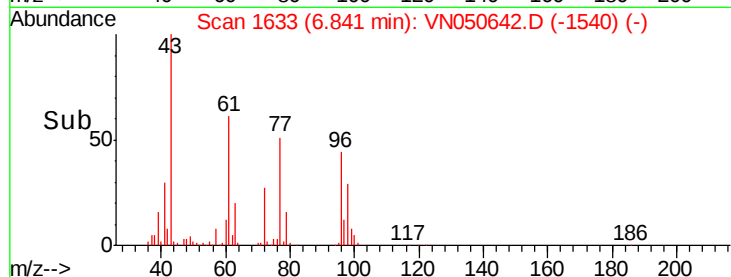
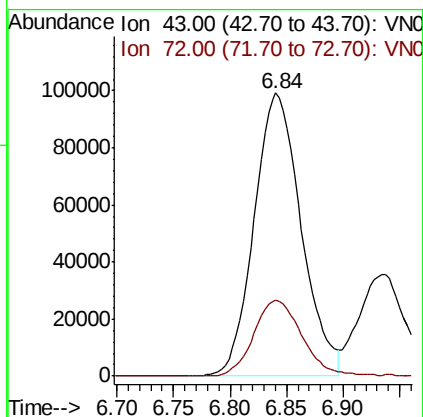
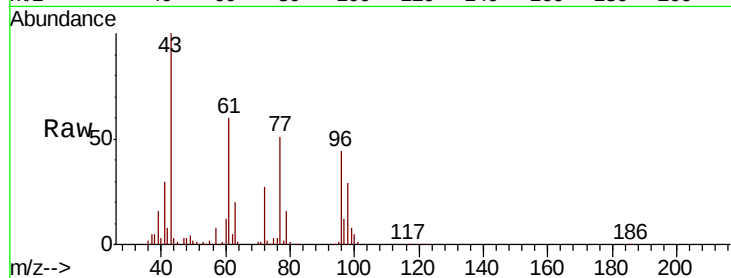




#25
 2-Butanone
 Concen: 90.50 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

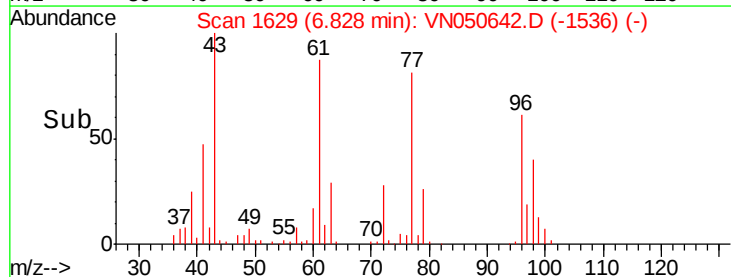
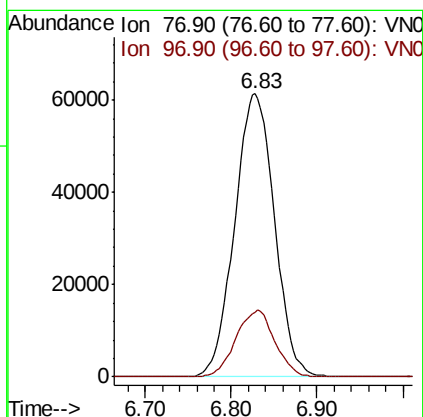
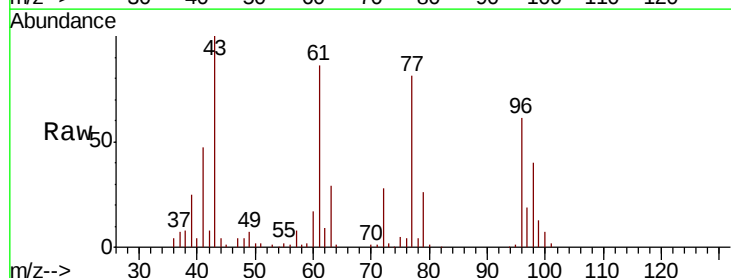
Instrument :
 MSVOA_N
 ClientSampled :
 VN0815WBS01

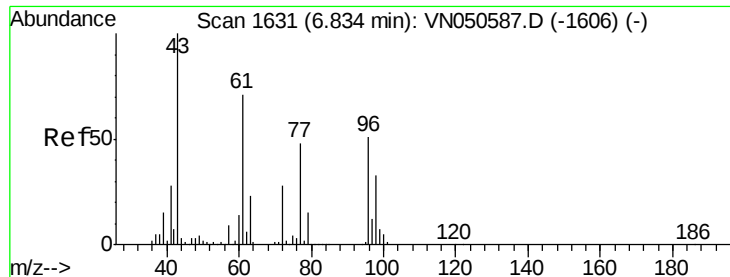
Tot Ion: 43 Resp: 286196
 Ion Ratio Lower Upper
 43 100
 72 26.8 21.8 32.6



#26
 2,2-Dichloropropane
 Concen: 21.47 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 77 Resp: 196947
 Ion Ratio Lower Upper
 77 100
 97 23.0 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 17.39 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

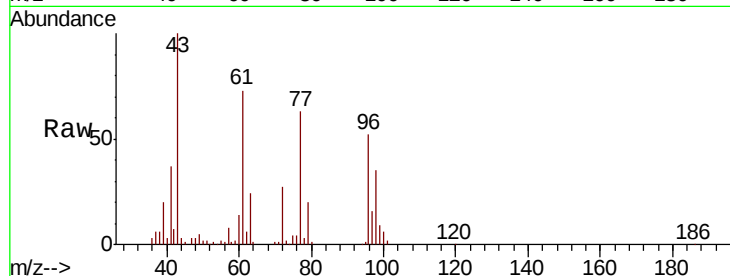
Tot Ion: 96 Resp: 139353

Ion Ratio Lower Upper

96 100

61 142.9 0.0 278.2

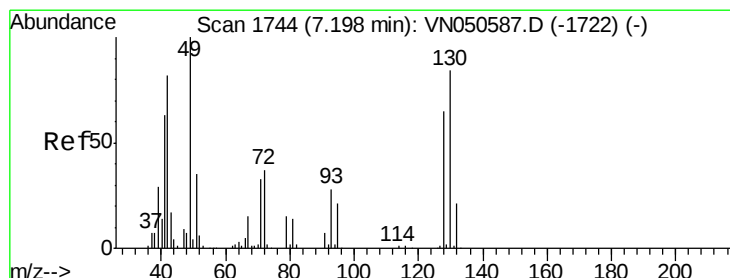
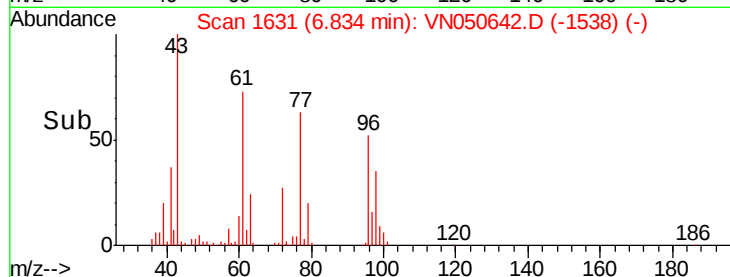
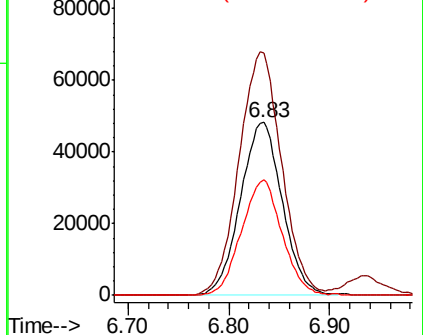
98 64.6 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 18.78 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

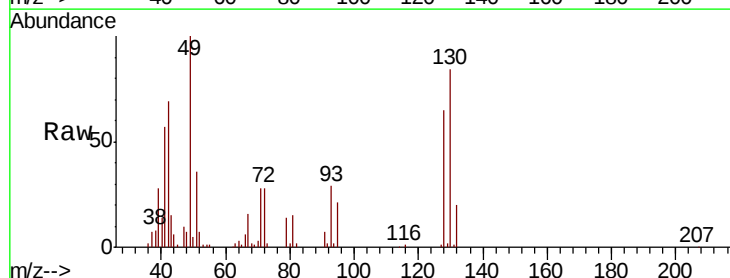
Tgt Ion: 49 Resp: 117095

Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.2

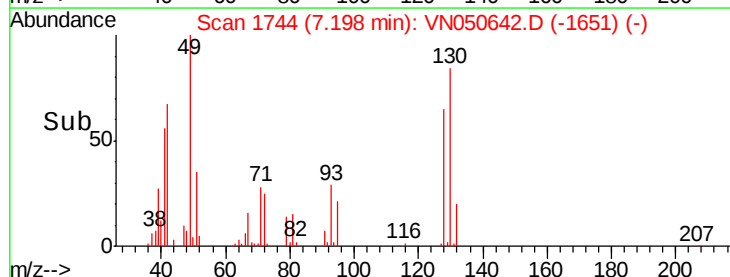
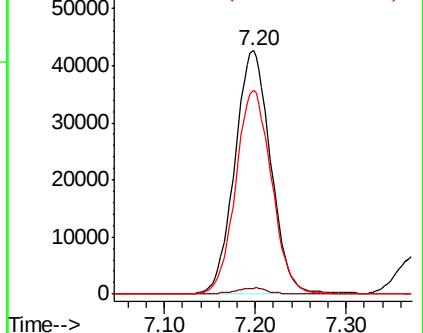
130 83.3 66.8 100.2

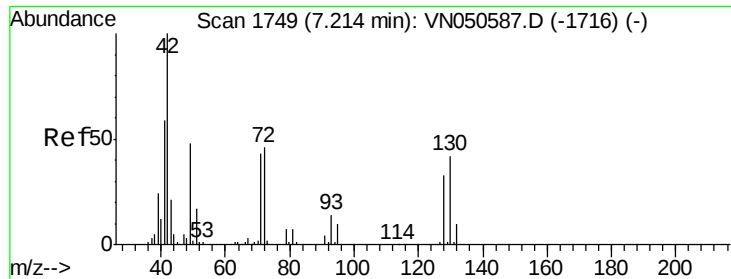


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 86.75 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0815WBS01

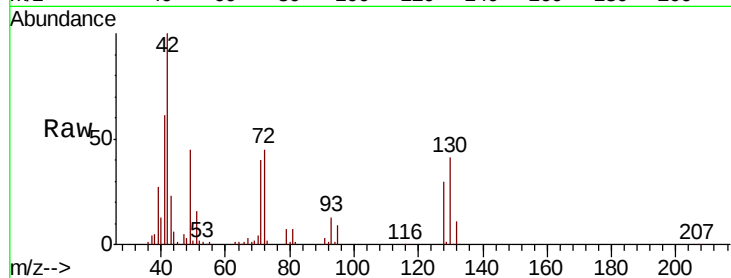
Tot Ion: 42 Resp: 143244

Ion Ratio Lower Upper

42 100

72 44.9 35.8 53.6

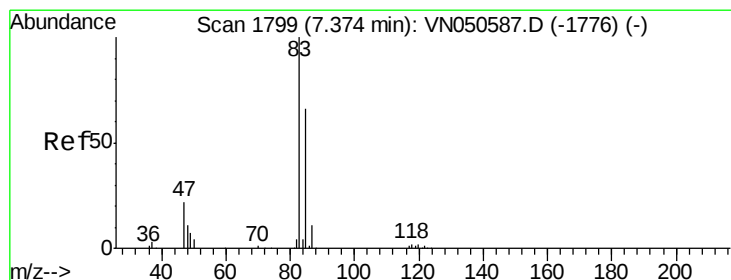
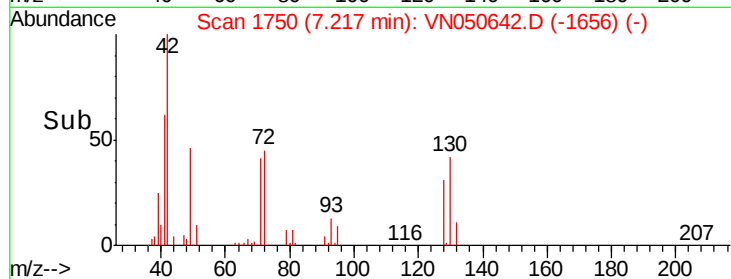
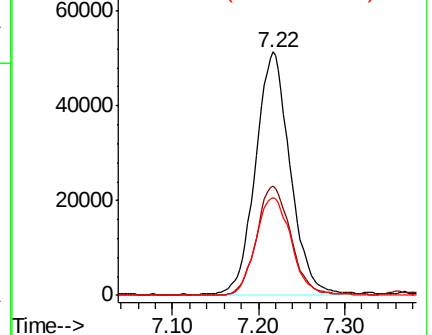
71 41.6 33.4 50.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 17.42 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN050642.D

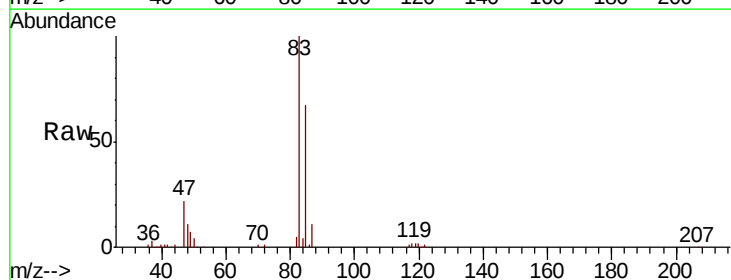
Acq: 15 Aug 2018 9:52

Tgt Ion: 83 Resp: 241835

Ion Ratio Lower Upper

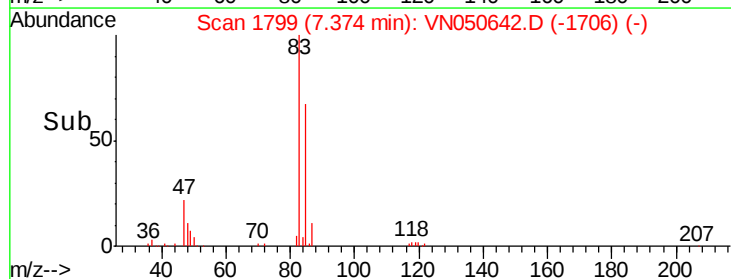
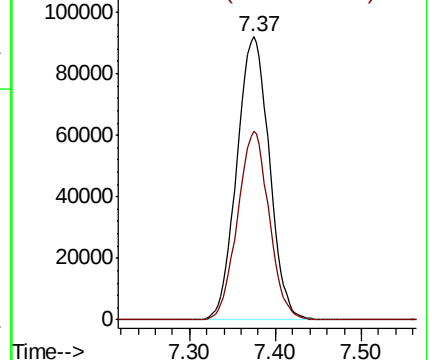
83 100

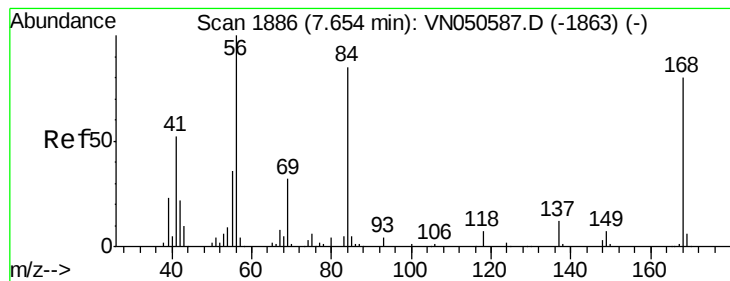
85 66.8 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 17.68 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0815WBS01

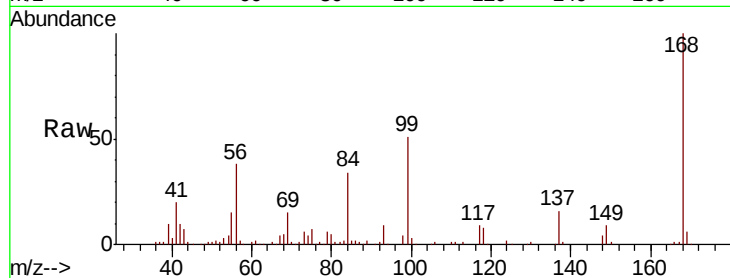
Tot Ion: 56 Resp: 209353

Ion Ratio Lower Upper

56 100

69 38.8 25.8 38.6#

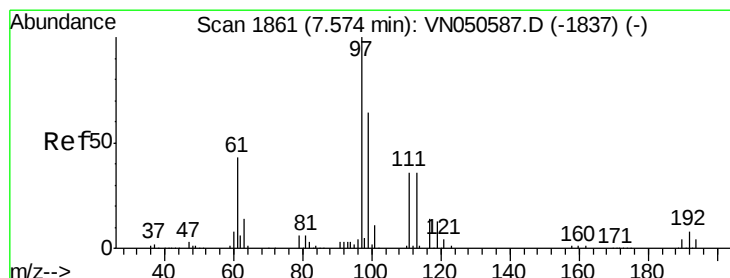
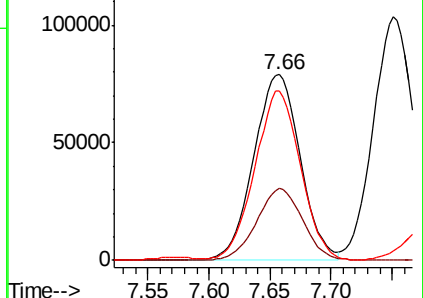
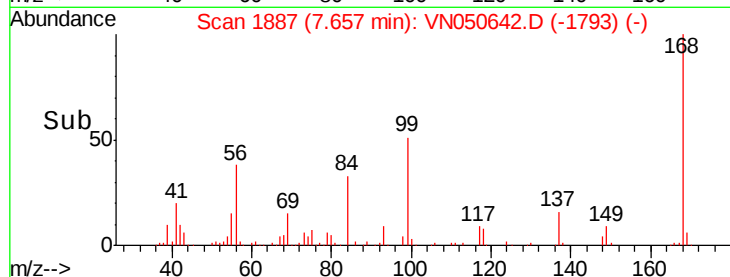
84 89.8 67.8 101.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.70 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

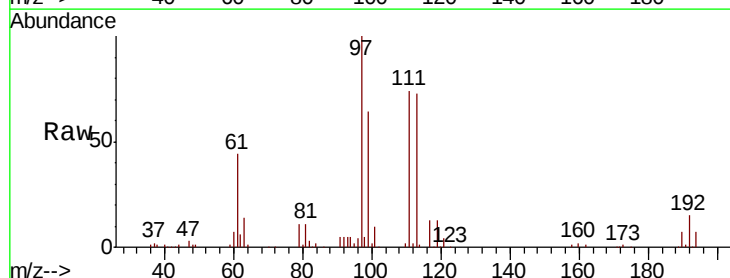
Tgt Ion: 97 Resp: 206915

Ion Ratio Lower Upper

97 100

99 63.7 51.1 76.7

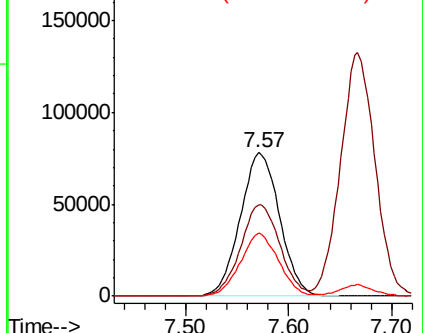
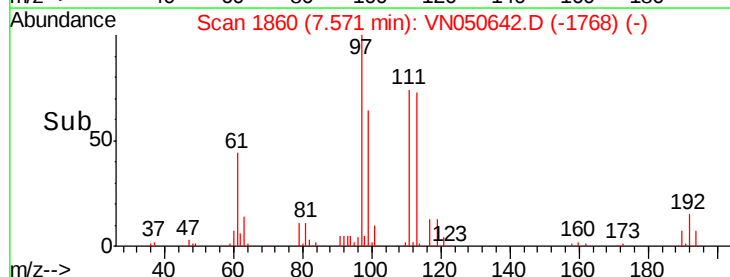
61 42.5 34.8 52.2

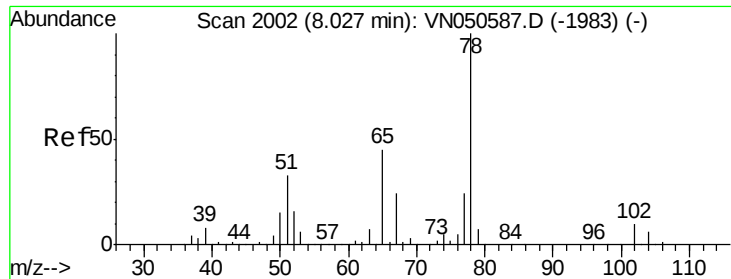


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 46.76 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

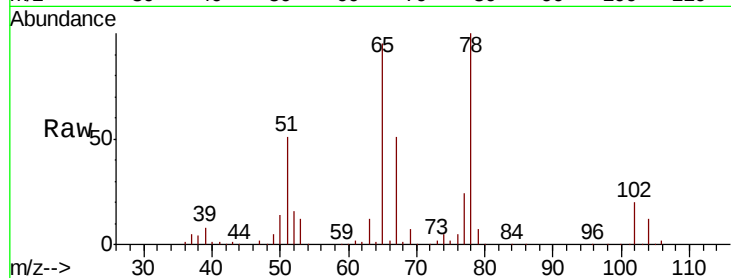
VN0815WBS01

Tot Ion: 65 Resp: 360663

Ion Ratio Lower Upper

65 100

67 53.7 0.0 109.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

150000

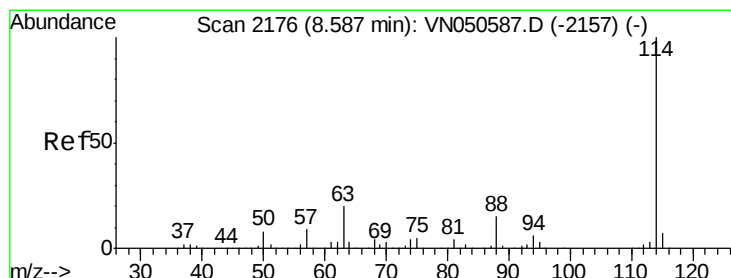
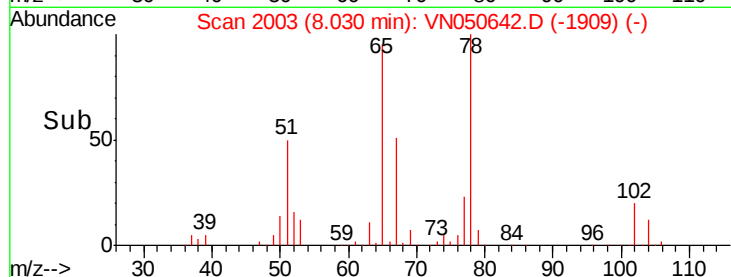
100000

50000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

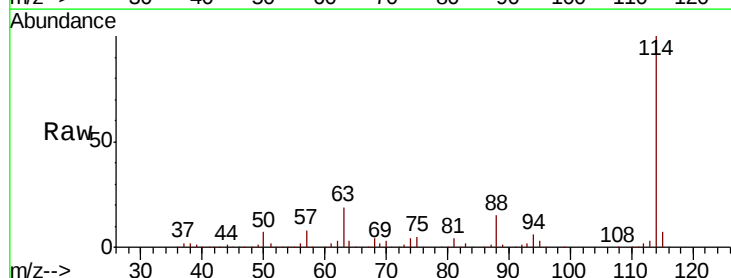
Tgt Ion: 114 Resp: 888137

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

88 15.2 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

600000

500000

400000

300000

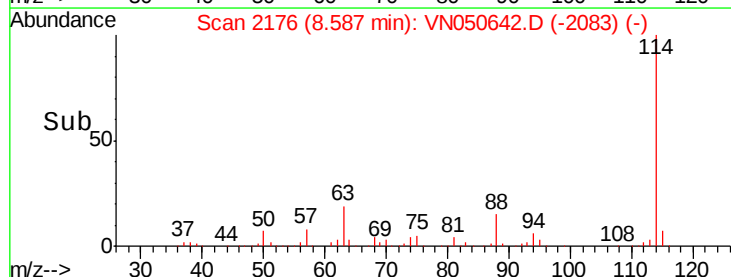
200000

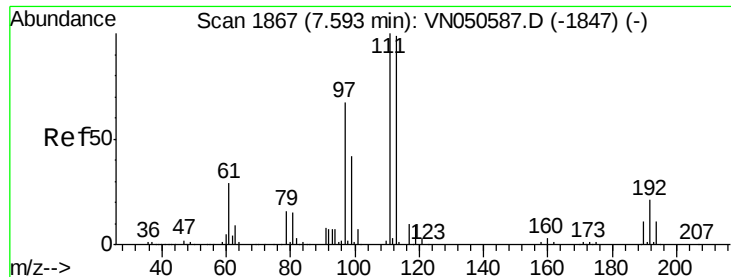
100000

0

8.50 8.60 8.70

Time-->

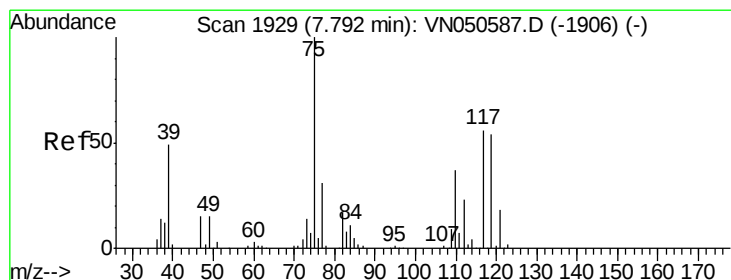
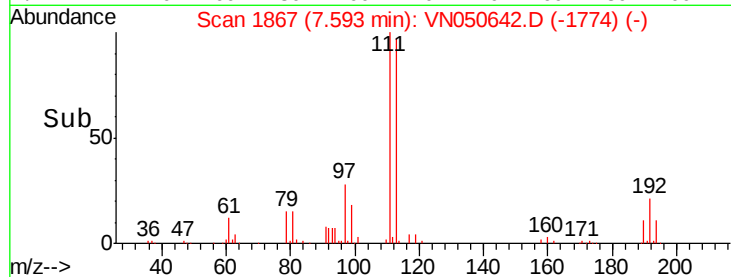
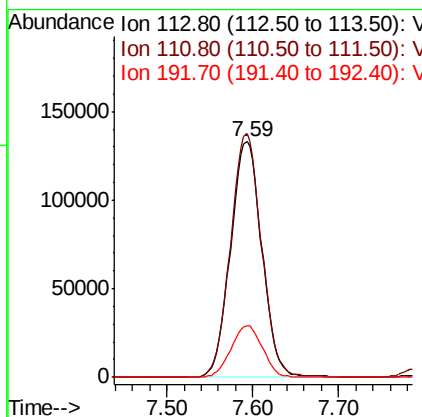
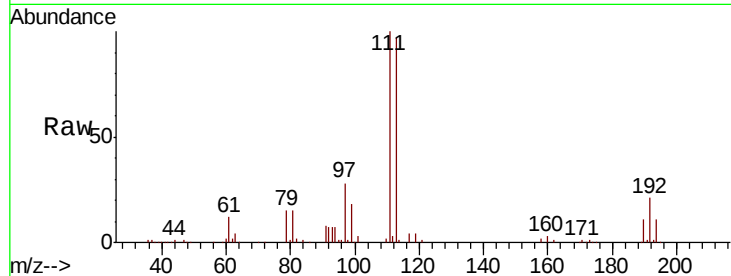




#35
 Dibromofluoromethane
 Concen: 47.48 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

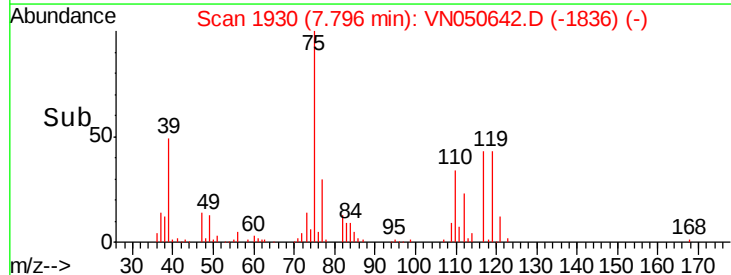
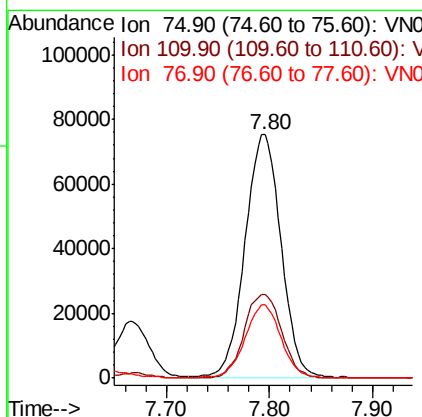
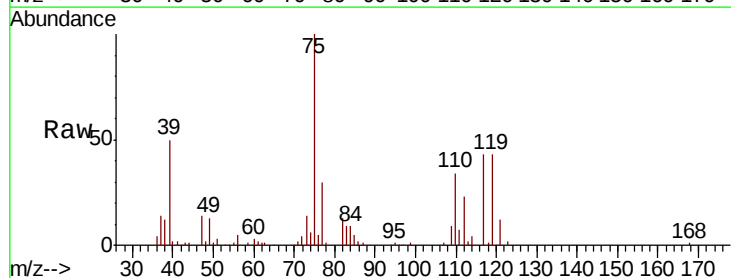
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

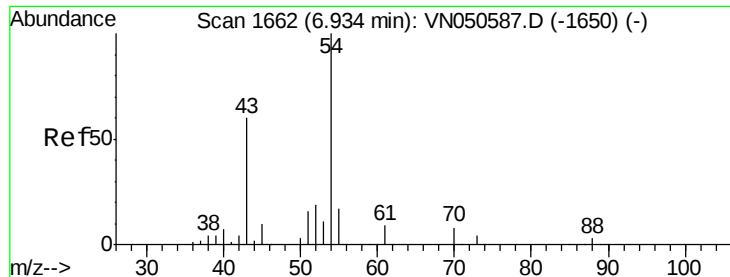
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.0	121.6
192	22.1	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 18.31 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.3	54.9
77	30.6	25.0	37.4

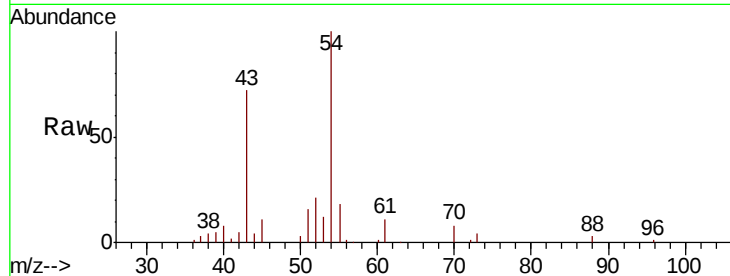




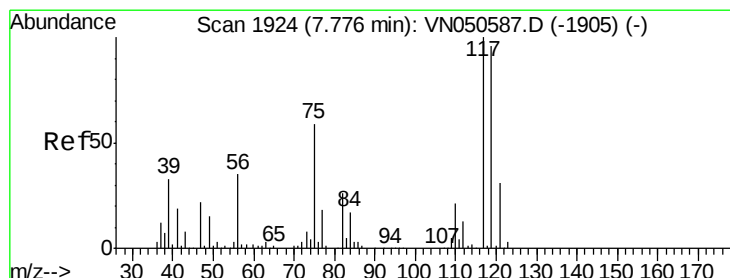
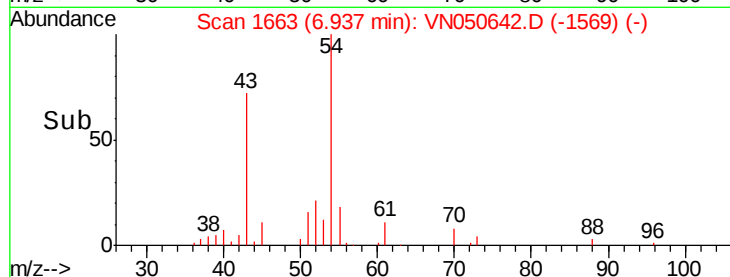
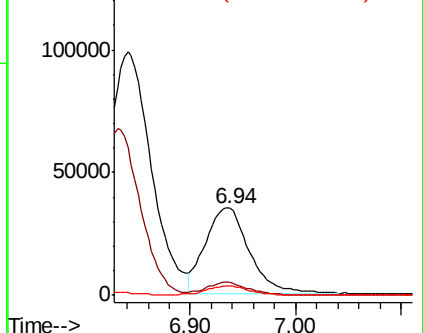
#37
Ethyl Acetate
Concen: 18.25 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampled :
VN0815WBS01

Tot Ion: 43 Resp: 101999
Ion Ratio Lower Upper
43 100
61 13.4 12.0 18.0
70 10.9 8.5 12.7

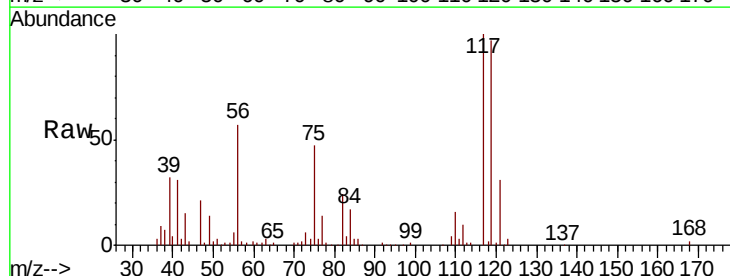


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

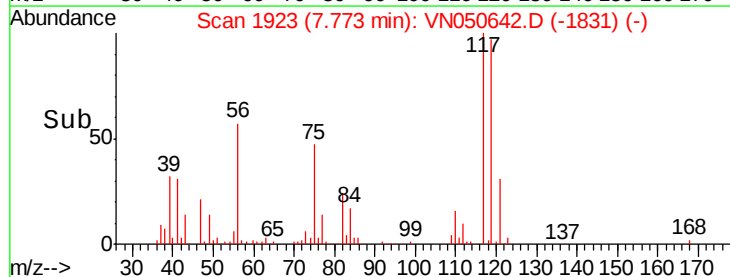
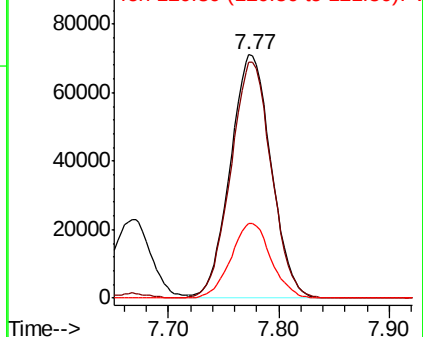


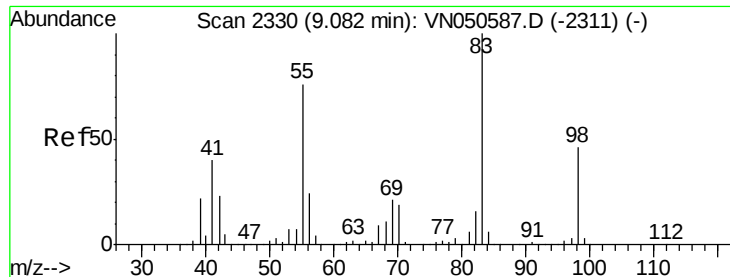
#38
Carbon Tetrachloride
Concen: 17.77 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion: 117 Resp: 182238
Ion Ratio Lower Upper
117 100
119 96.6 76.6 115.0
121 30.6 25.0 37.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

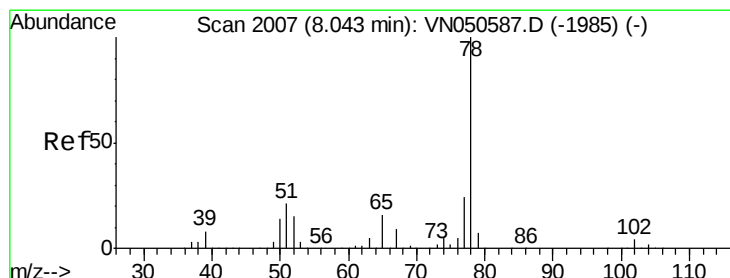
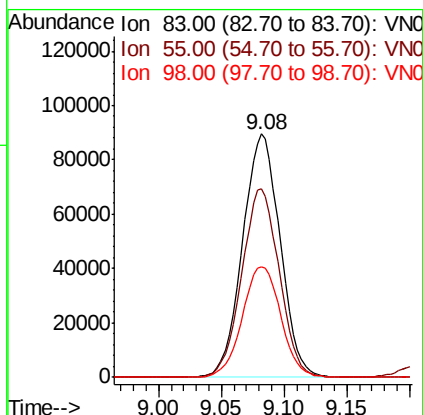
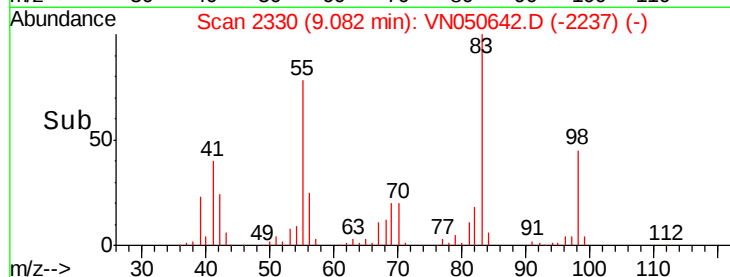
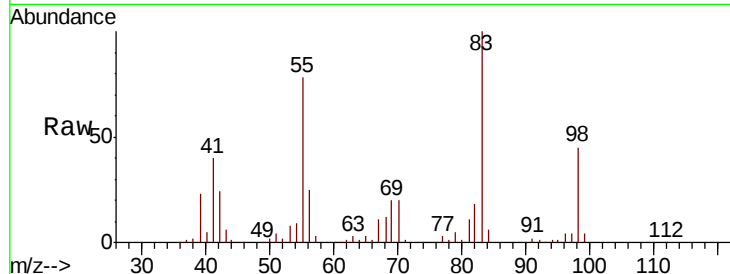




#39
Methvlcvclohexane
Concen: 18.22 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

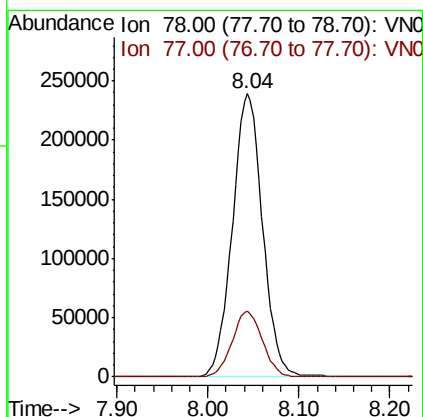
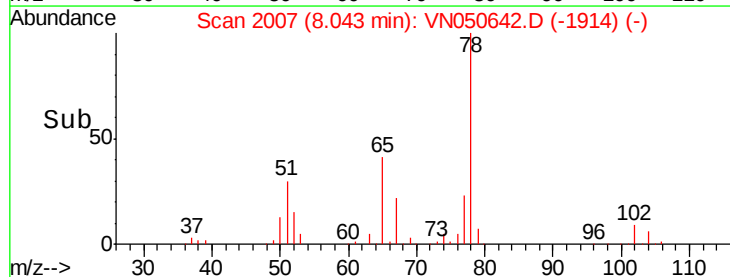
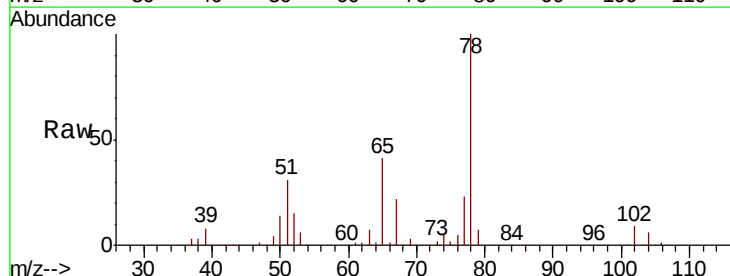
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

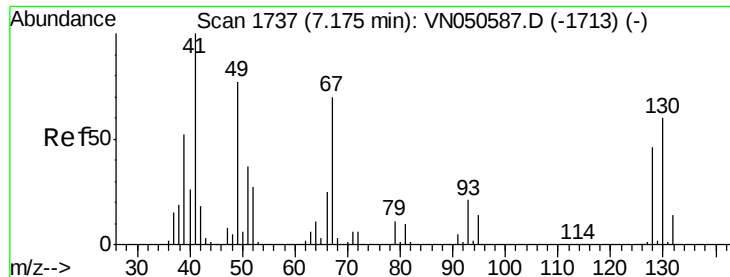
Tot Ion: 83 Resp: 186506
Ion Ratio Lower Upper
83 100
55 77.6 60.6 91.0
98 45.4 37.0 55.4



#40
Benzene
Concen: 18.31 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion: 78 Resp: 550623
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6

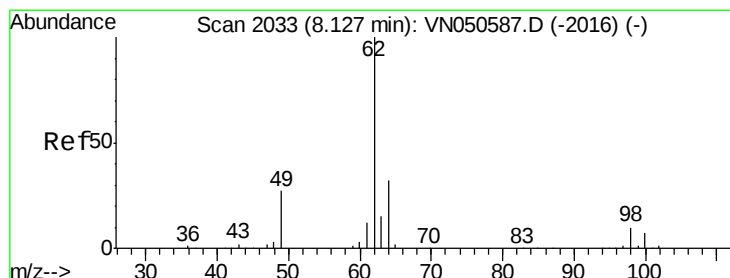
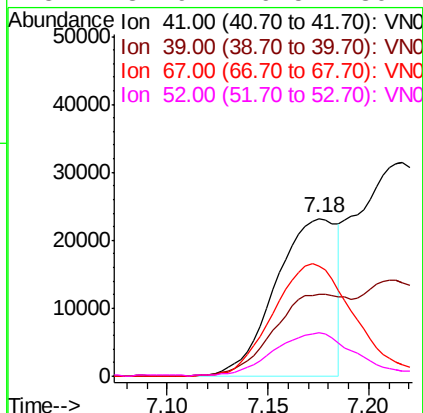
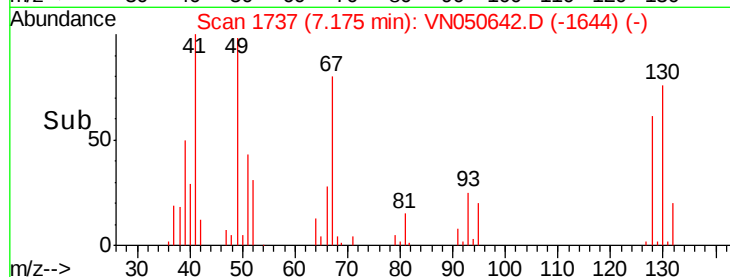
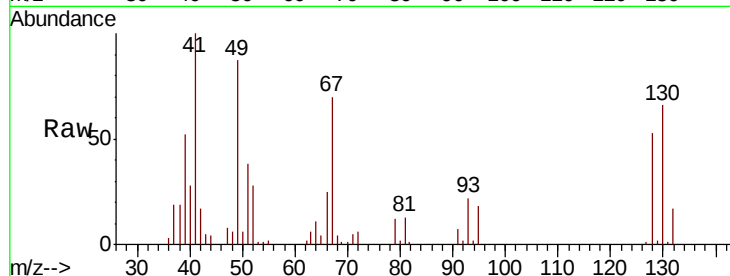




#41
Methacrylonitrile
Concen: 16.26 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

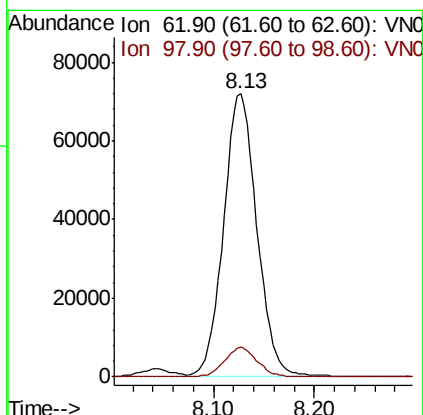
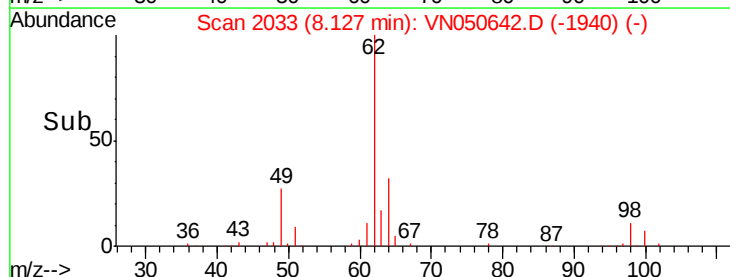
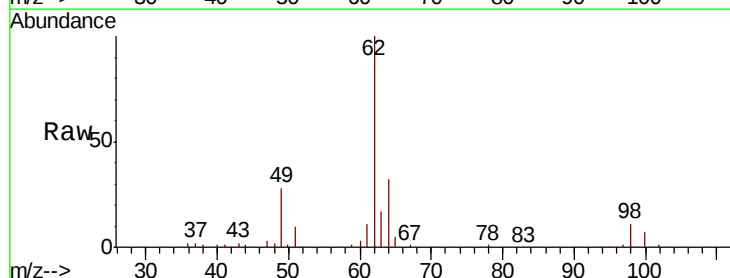
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

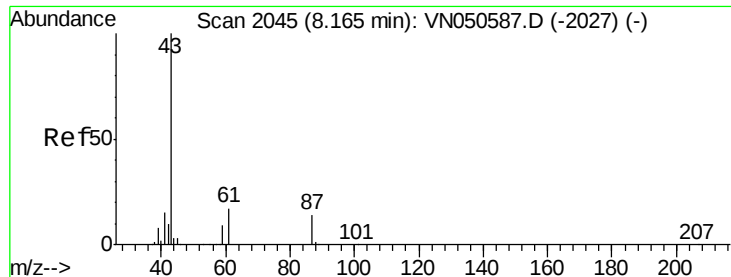
Tot Ion: 41 Resp: 49124
Ion Ratio Lower Upper
41 100
39 62.6 44.6 66.8
67 95.8 66.7 100.1
52 37.9 26.5 39.7



#42
1,2-Dichloroethane
Concen: 17.86 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion: 62 Resp: 164613
Ion Ratio Lower Upper
62 100
98 10.2 0.0 19.4





#43

Isopropyl Acetate

Concen: 17.27 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0815WBS01

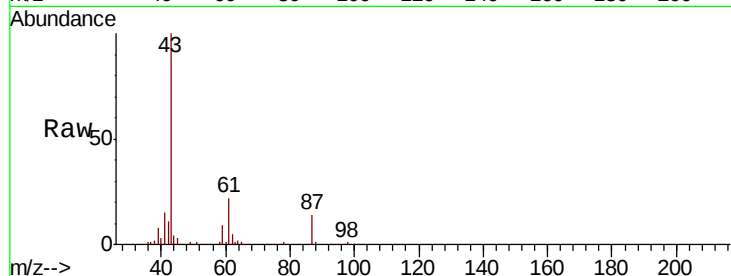
Tot Ion: 43 Resp: 175845

Ion Ratio Lower Upper

43 100

61 20.5 16.2 24.2

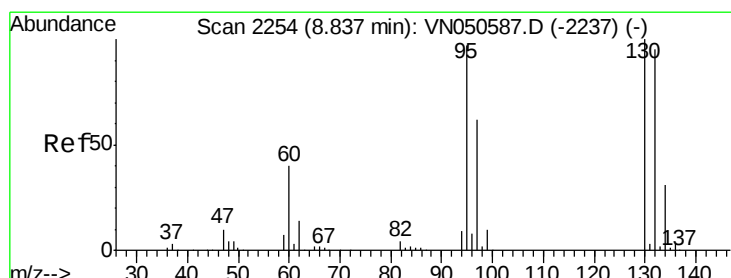
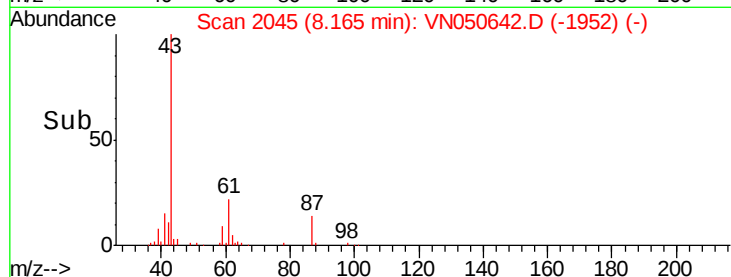
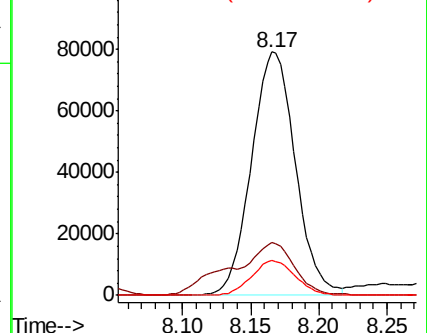
87 14.4 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VN050587.D (-2027) (-)

Ion 61.00 (60.70 to 61.70): VN050587.D (-2027) (-)

Ion 87.00 (86.70 to 87.70): VN050587.D (-2027) (-)



#44

Trichloroethene

Concen: 17.92 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN050642.D

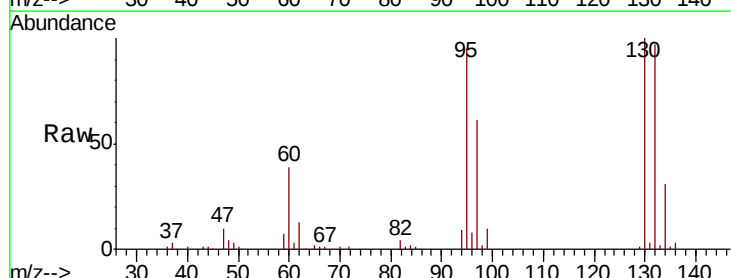
Acq: 15 Aug 2018 9:52

Tgt Ion: 130 Resp: 144401

Ion Ratio Lower Upper

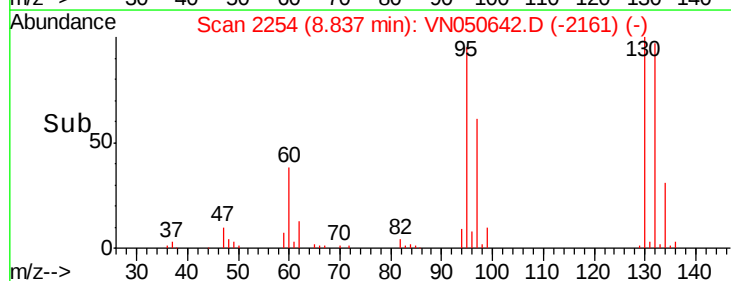
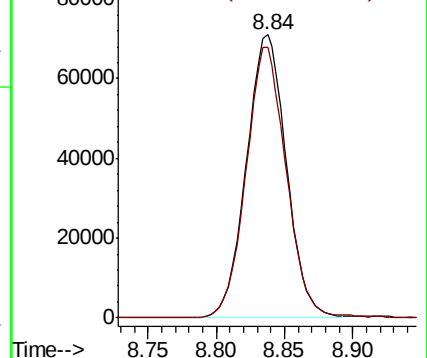
130 100

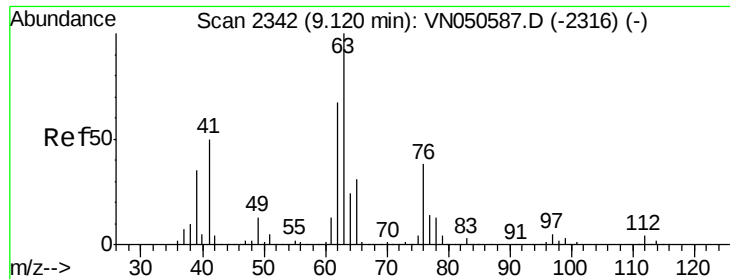
95 95.4 0.0 193.8



Abundance Ion 129.80 (129.50 to 130.50): VN050587.D (-2237) (-)

Ion 94.90 (94.60 to 95.60): VN050587.D (-2237) (-)

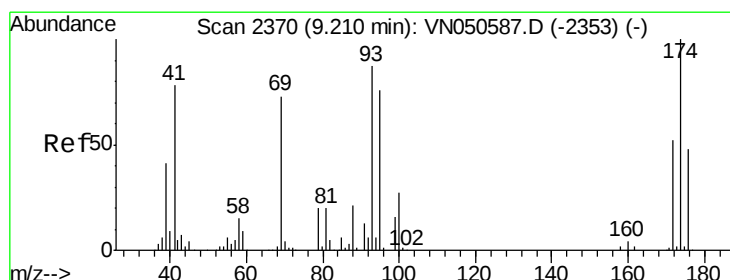
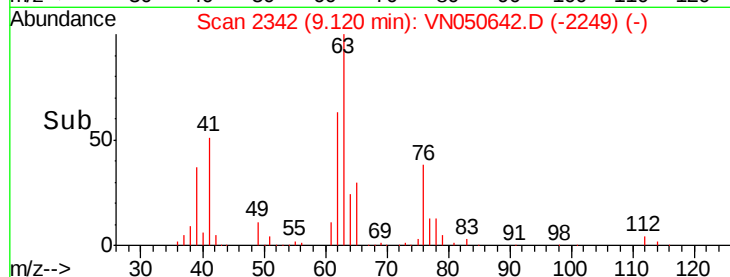
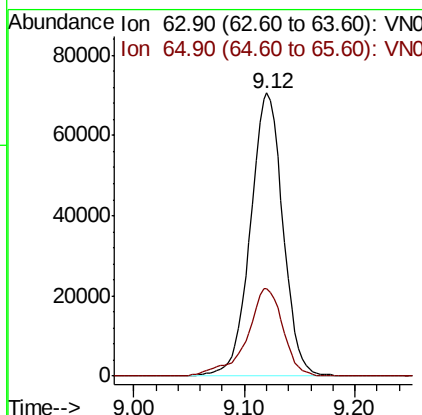
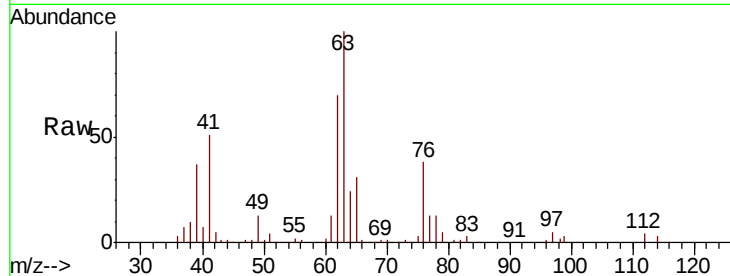




#45
 1,2-Dichloropropane
 Concen: 18.03 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

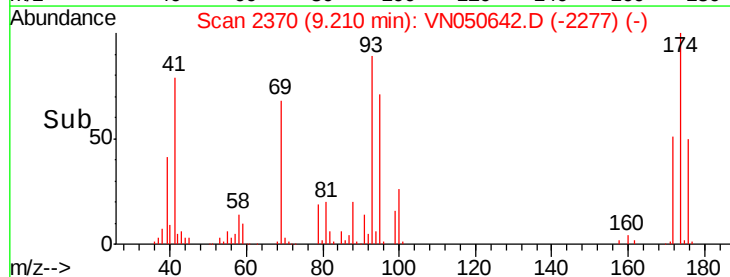
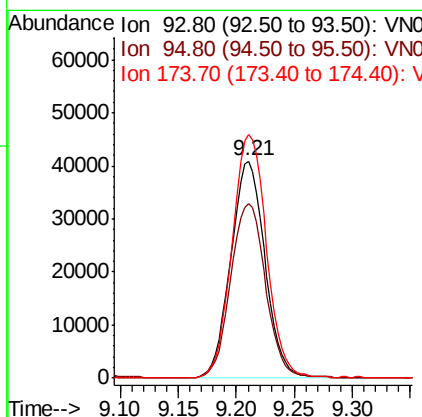
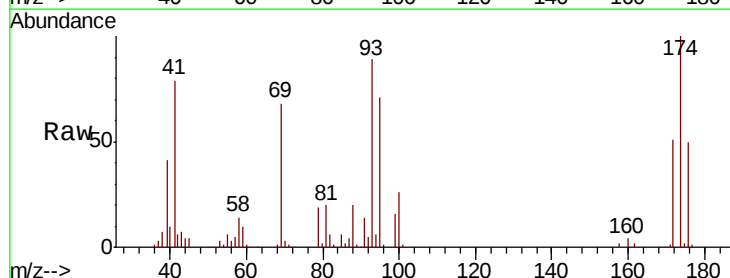
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

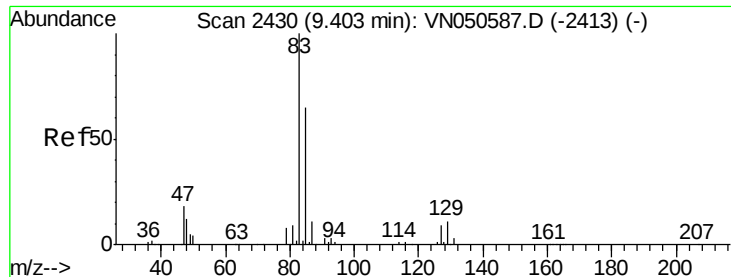
Tot Ion: 63 Resp: 144370
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.5 36.7



#46
 Dibromomethane
 Concen: 17.70 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 93 Resp: 83695
 Ion Ratio Lower Upper
 93 100
 95 82.1 69.1 103.7
 174 112.9 91.0 136.6





#47

Bromodichloromethane

Concen: 17.50 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

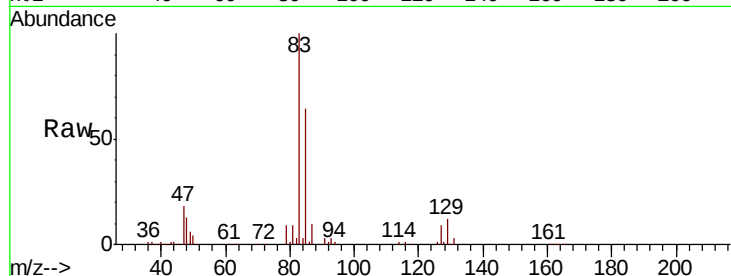
Tot Ion: 83 Resp: 176865

Ion Ratio Lower Upper

83 100

85 63.7 51.8 77.6

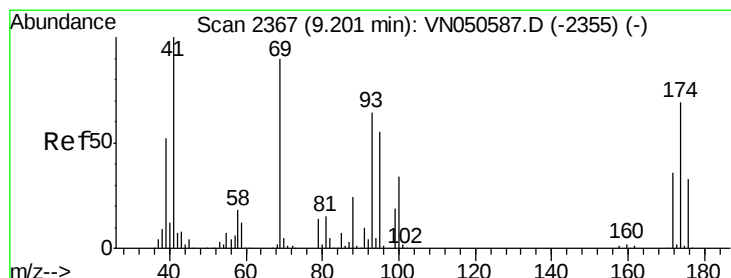
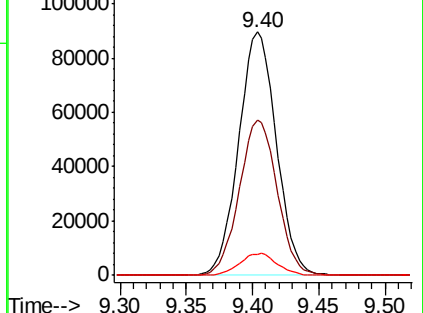
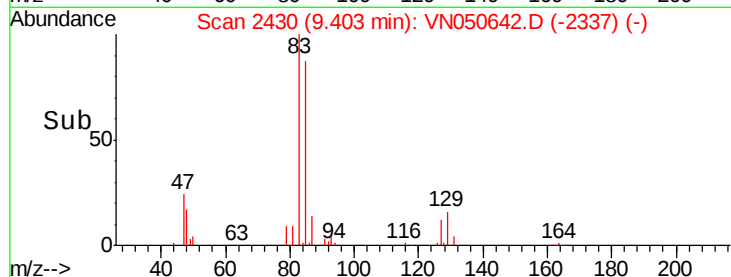
127 8.8 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 17.29 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

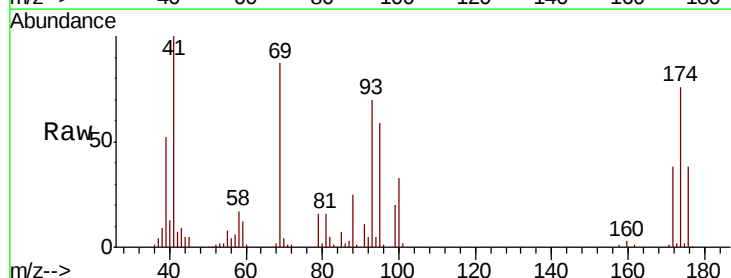
Tgt Ion: 41 Resp: 88596

Ion Ratio Lower Upper

41 100

69 89.0 73.4 110.0

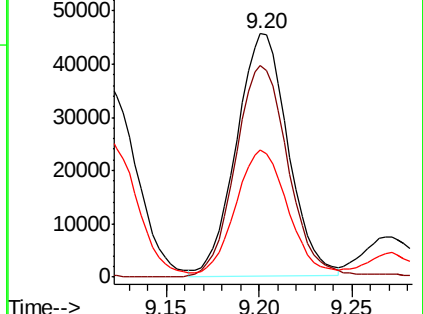
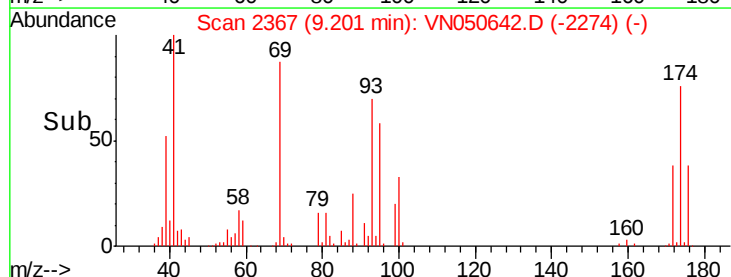
39 52.9 43.0 64.6

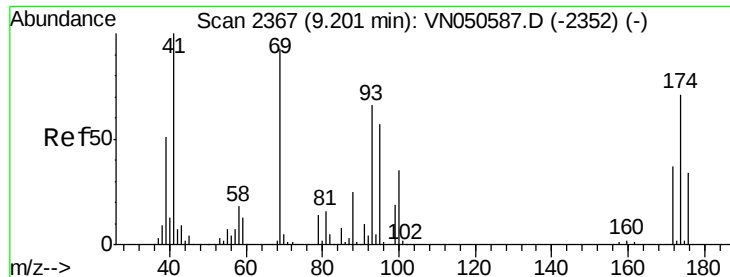


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 355.26 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

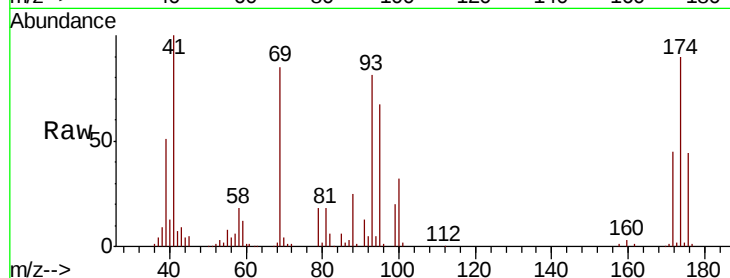
Tot Ion: 88 Resp: 23984

Ion Ratio Lower Upper

88 100

43 33.0 25.9 38.9

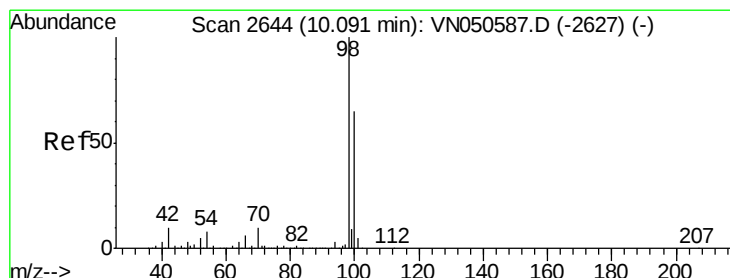
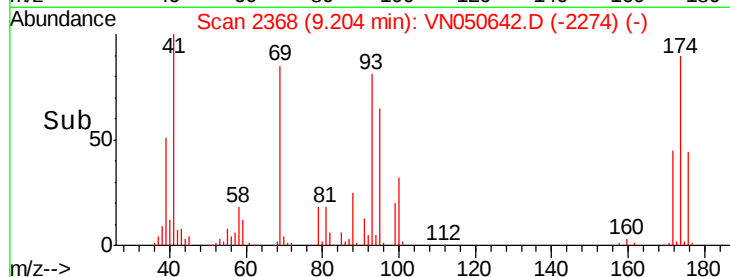
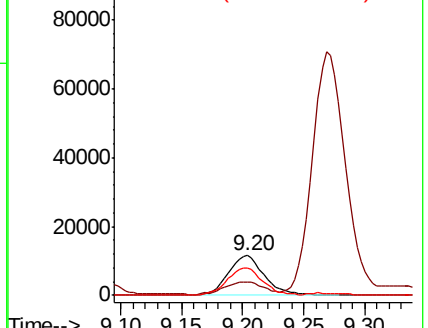
58 67.4 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 47.48 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050642.D

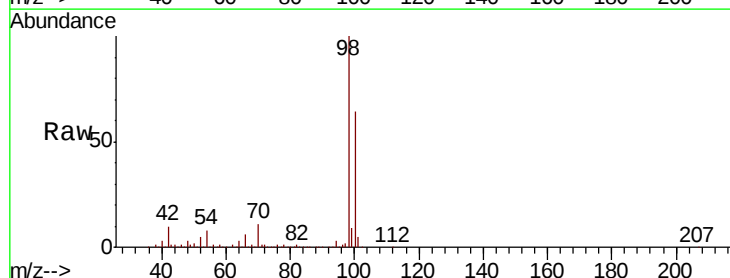
Acq: 15 Aug 2018 9:52

Tgt Ion: 98 Resp: 1266946

Ion Ratio Lower Upper

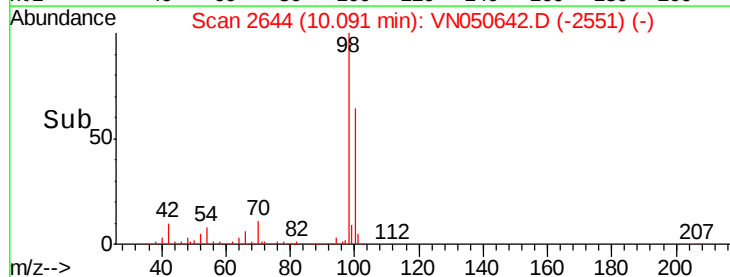
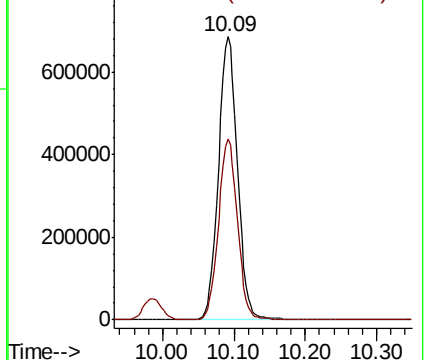
98 100

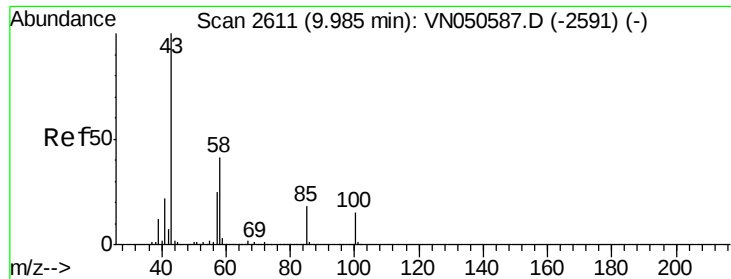
100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

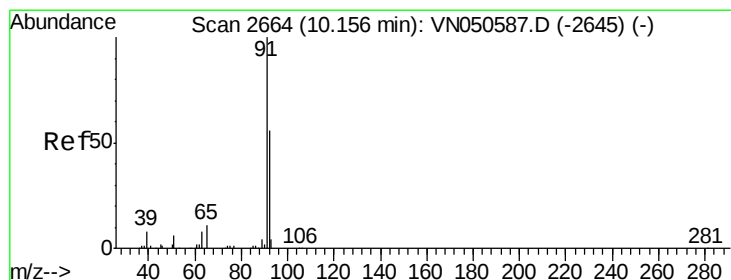
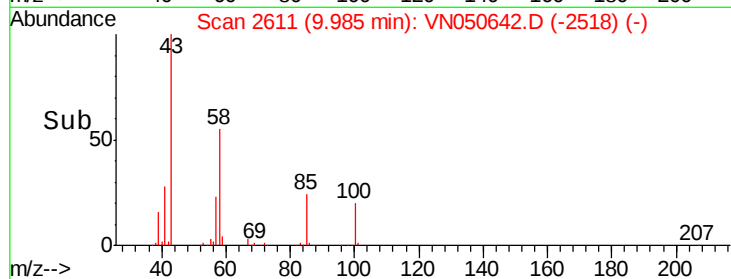
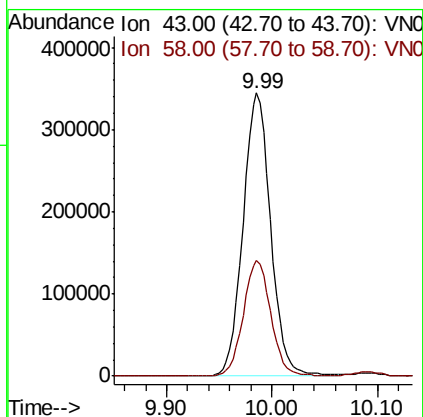
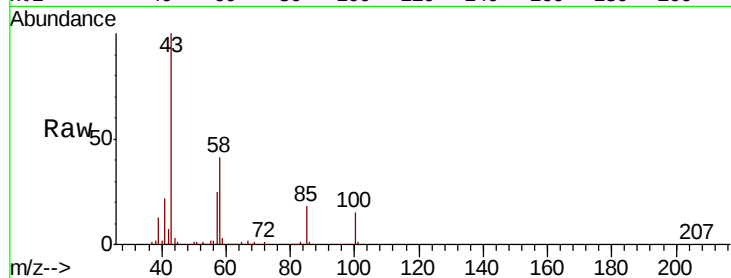




#51
 4-Methyl-2-Pentanone
 Concen: 90.91 ug/l
 RT: 9.99 min Scan# 2611
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

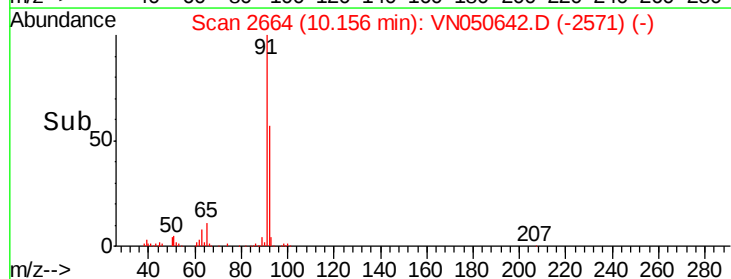
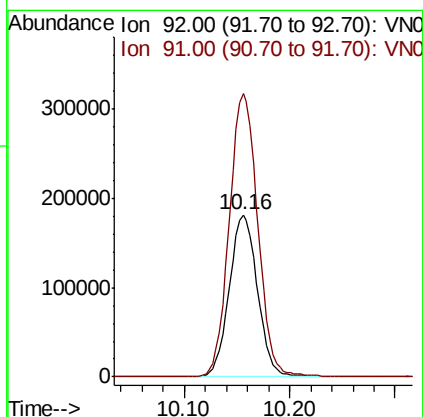
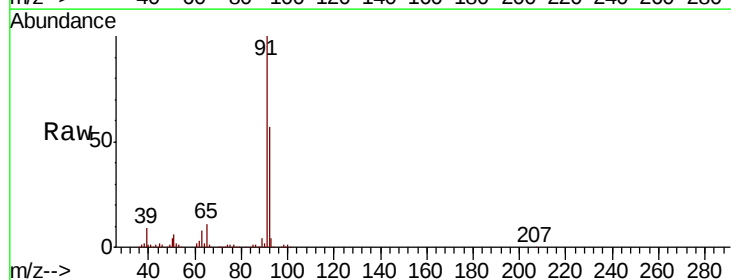
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

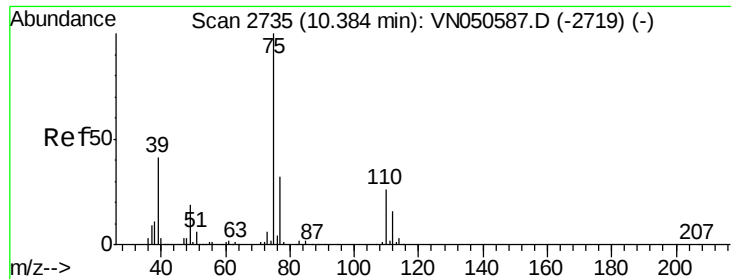
Tot Ion: 43 Resp: 626181
 Ion Ratio Lower Upper
 43 100
 58 40.7 32.5 48.7



#52
 Toluene
 Concen: 18.72 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 92 Resp: 336123
 Ion Ratio Lower Upper
 92 100
 91 176.7 141.9 212.9





#53

t-1,3-Dichloropropene

Concen: 17.92 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

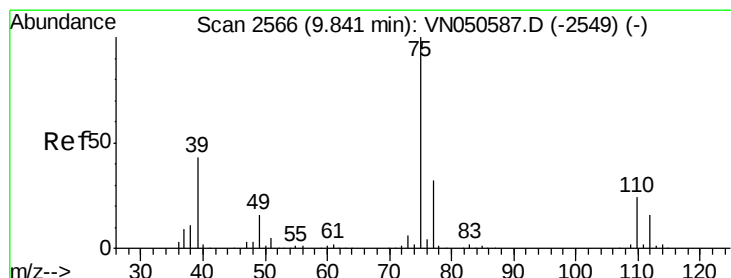
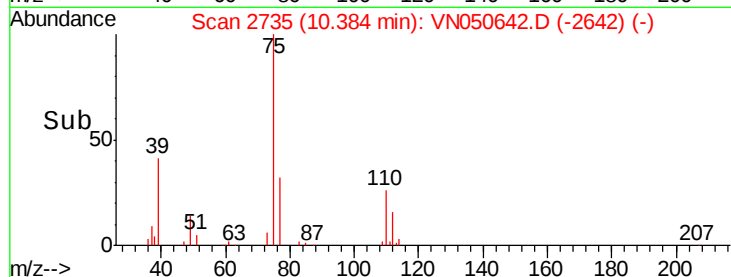
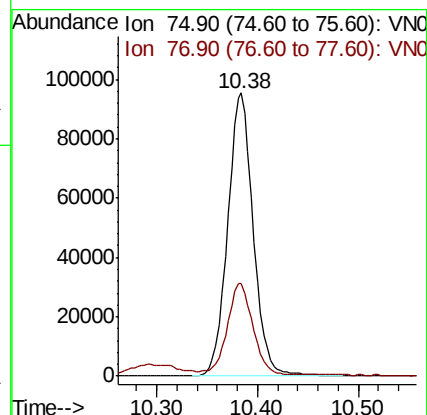
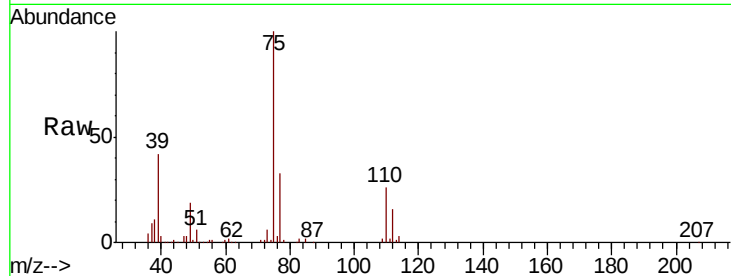
VN0815WBS01

Tot Ion: 75 Resp: 168682

Ion Ratio Lower Upper

75 100

77 32.0 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 18.43 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

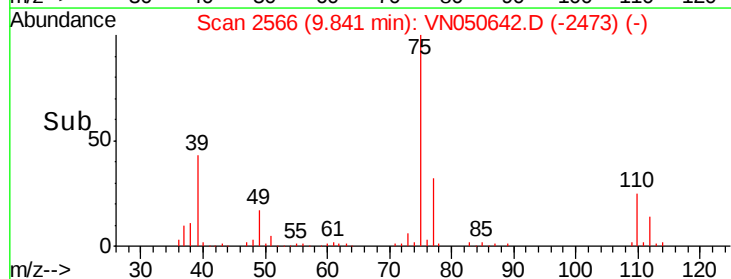
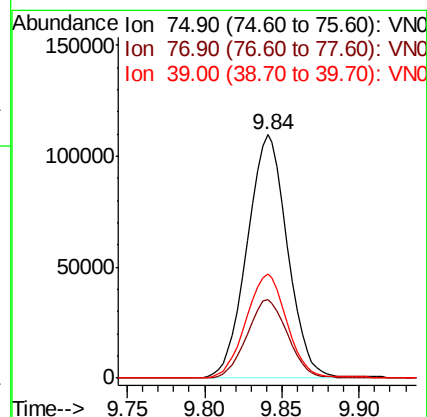
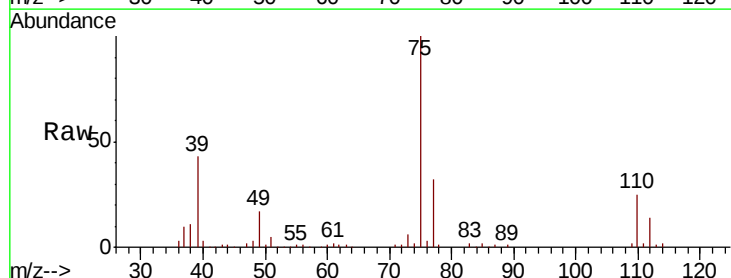
Tgt Ion: 75 Resp: 199062

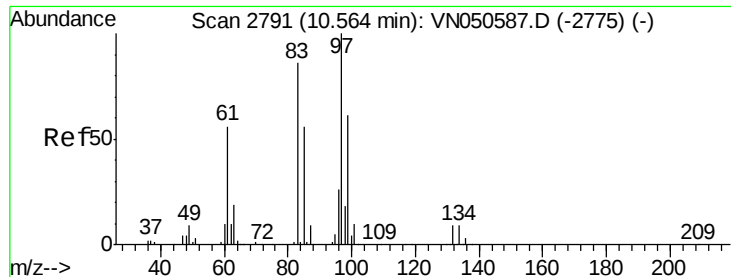
Ion Ratio Lower Upper

75 100

77 32.4 25.6 38.4

39 42.6 34.4 51.6





#55

1,1,2-Trichloroethane

Concen: 17.97 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0815WBS01

Tot Ion: 97 Resp: 120558

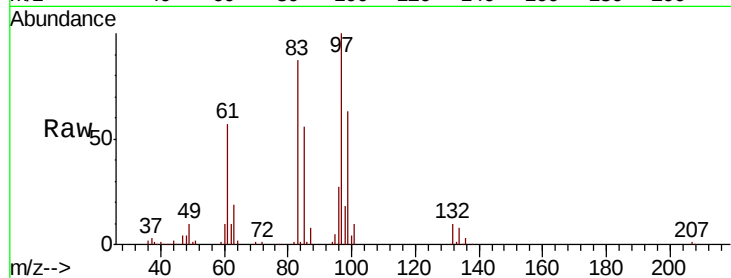
Ion Ratio Lower Upper

97 100

83 87.4 68.5 102.7

85 55.5 44.6 66.8

99 62.8 49.1 73.7

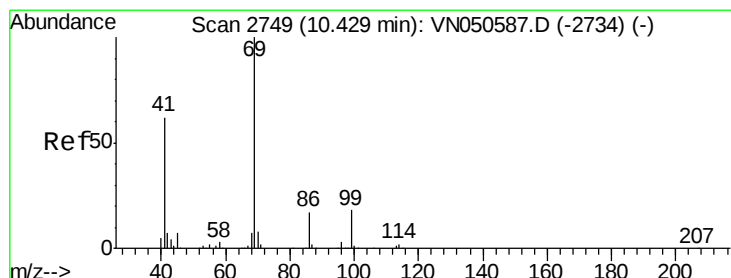
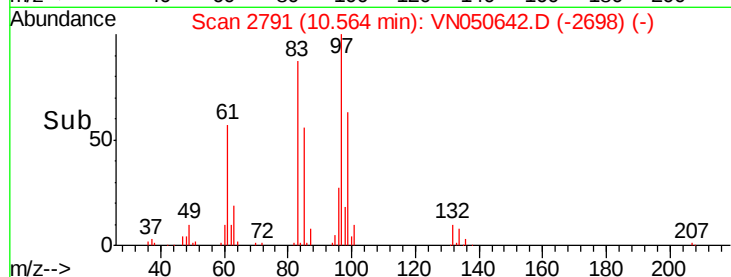
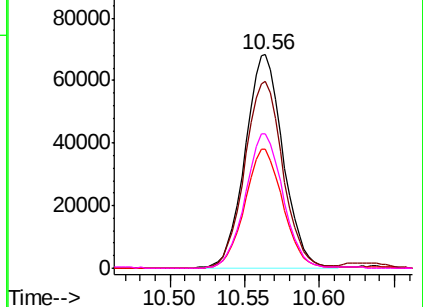


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 17.17 ug/l

RT: 10.43 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

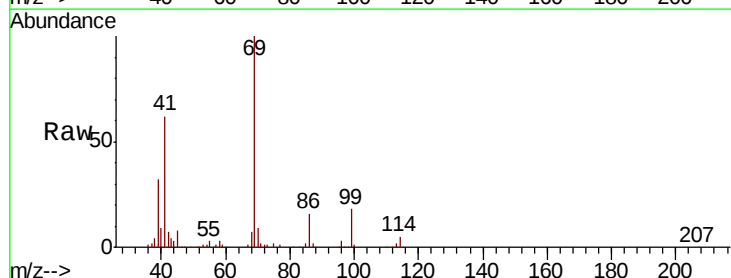
Tgt Ion: 69 Resp: 135824

Ion Ratio Lower Upper

69 100

41 62.9 49.7 74.5

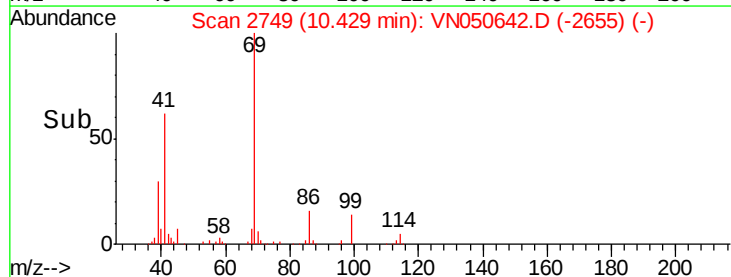
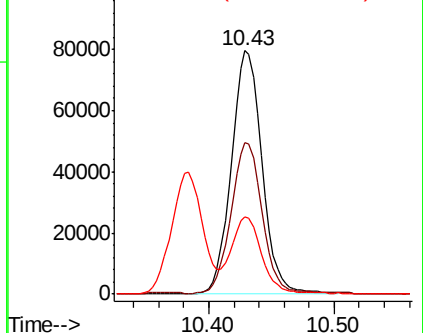
39 30.9 24.2 36.2

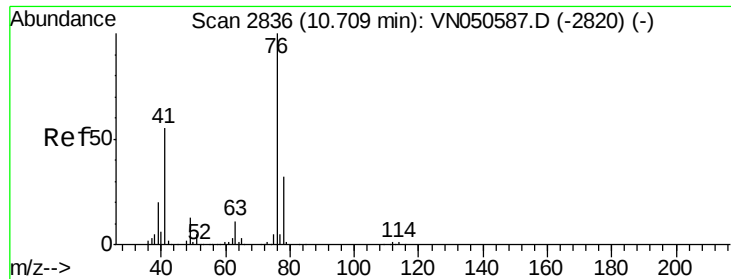


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

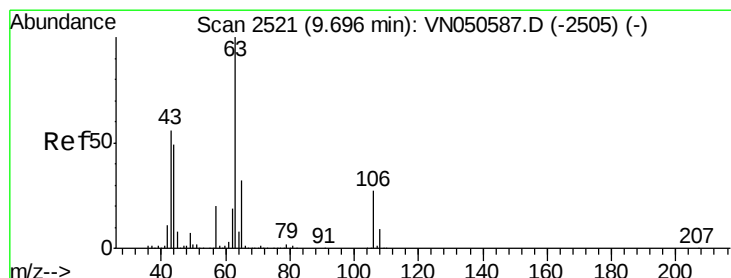
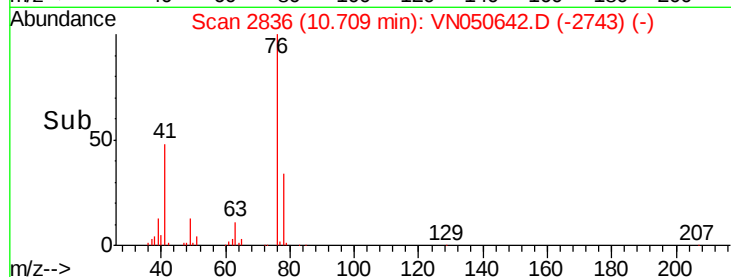
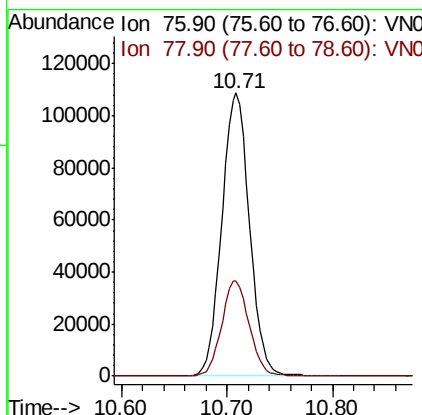
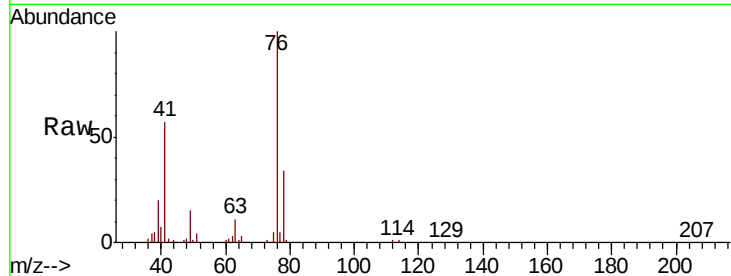




#57
 1,3-Dichloropropane
 Concen: 17.95 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

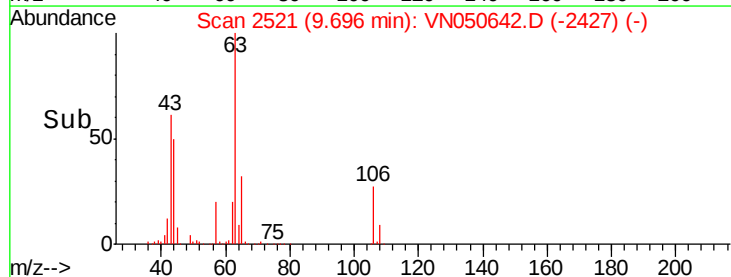
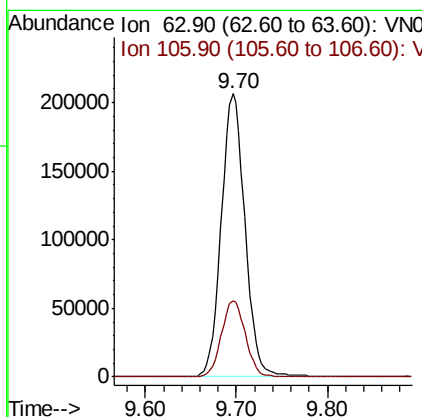
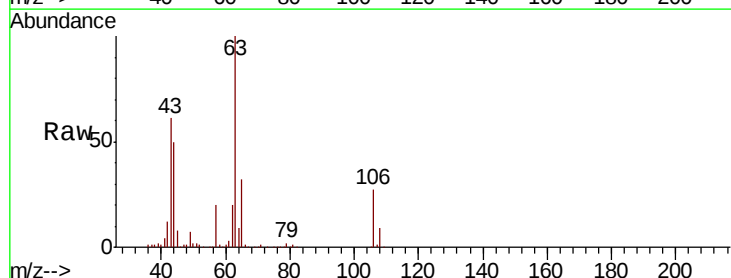
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

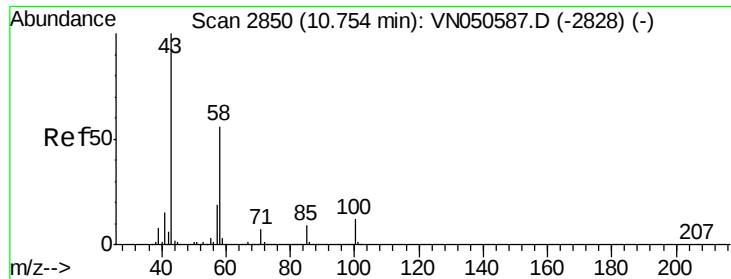
Tot Ion: 76 Resp: 197401
 Ion Ratio Lower Upper
 76 100
 78 33.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.89 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 63 Resp: 374164
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.7 32.5





#59

2-Hexanone

Concen: 92.26 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

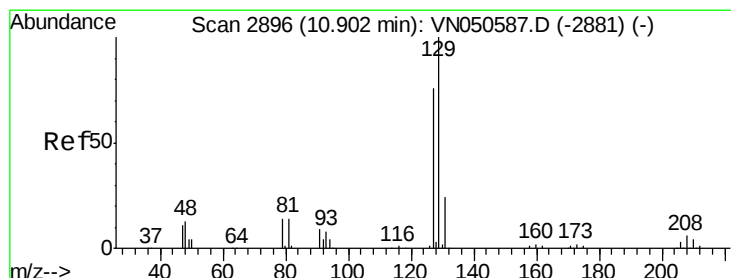
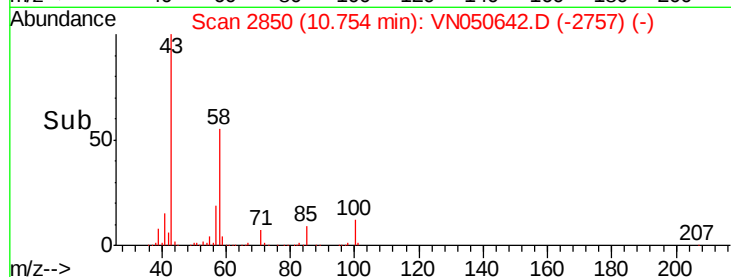
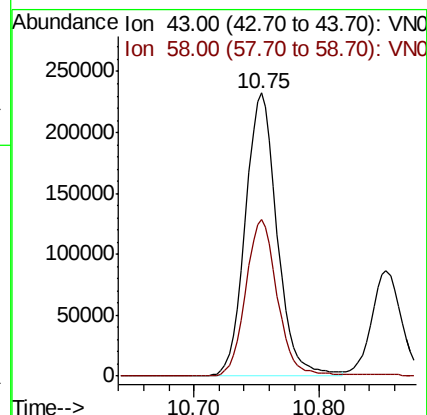
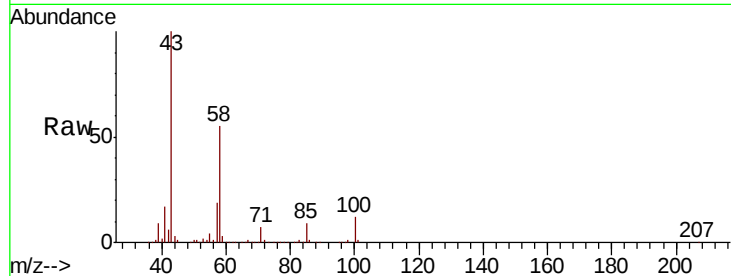
VN0815WBS01

Tot Ion: 43 Resp: 410163

Ion Ratio Lower Upper

43 100

58 55.1 28.0 84.0



#60

Dibromochloromethane

Concen: 18.07 ug/l

RT: 10.90 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VN050642.D

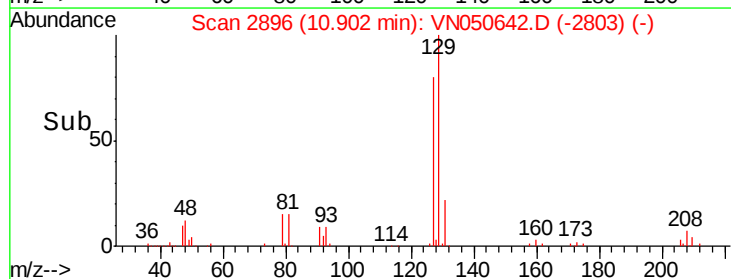
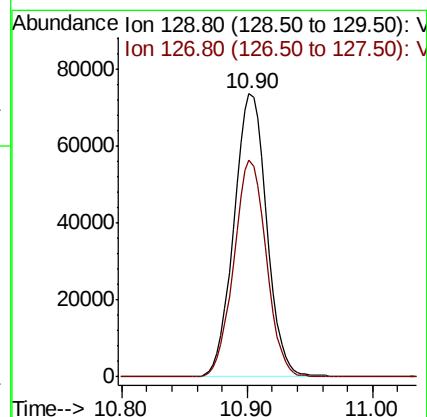
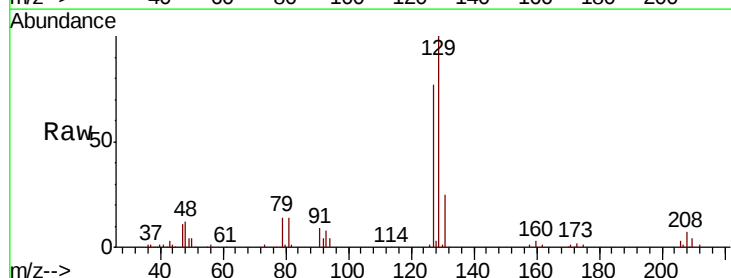
Acq: 15 Aug 2018 9:52

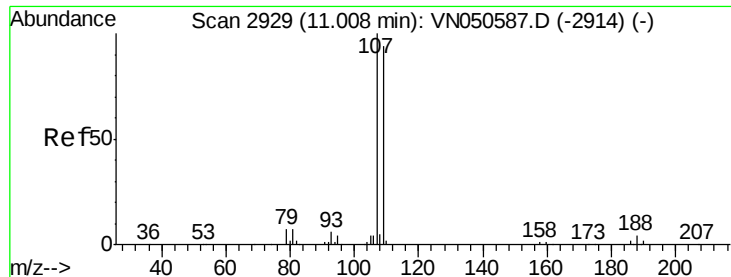
Tgt Ion: 129 Resp: 133822

Ion Ratio Lower Upper

129 100

127 75.7 38.9 116.7

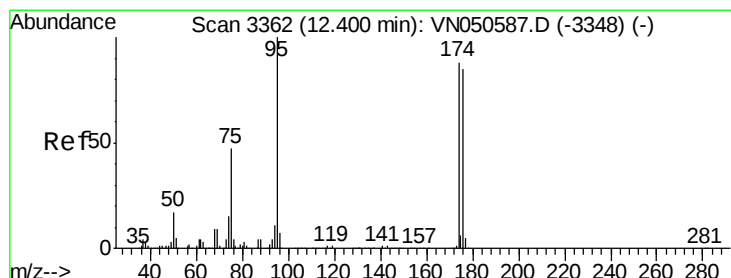
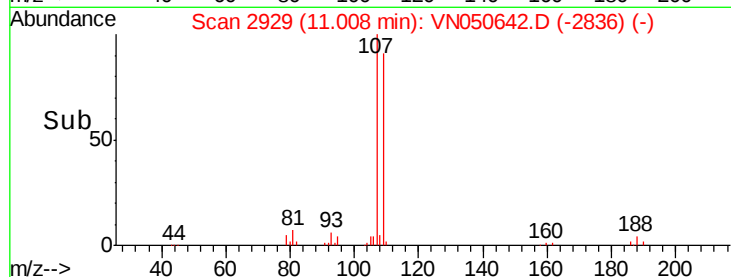
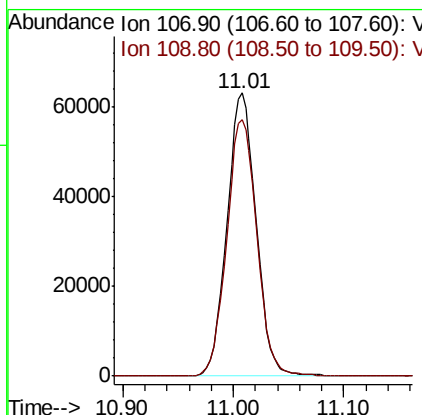
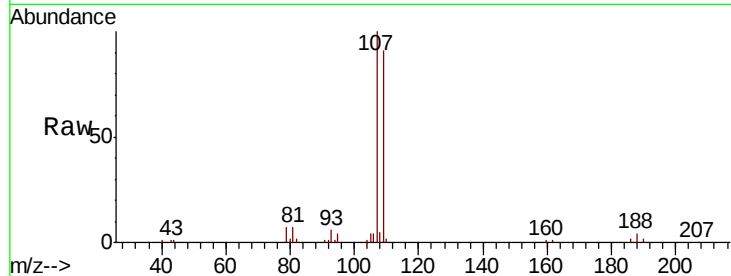




#61
 1,2-Dibromoethane
 Concen: 18.09 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

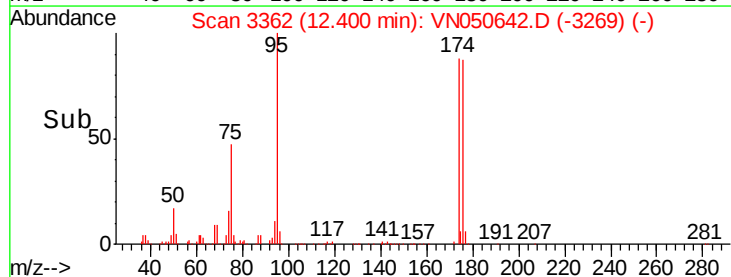
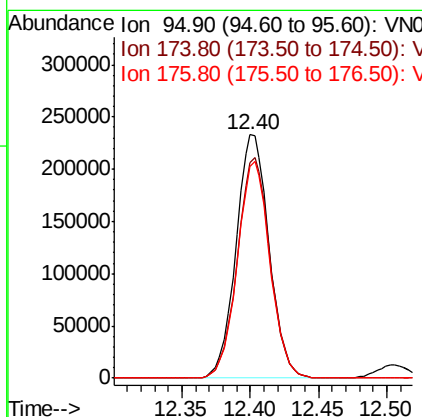
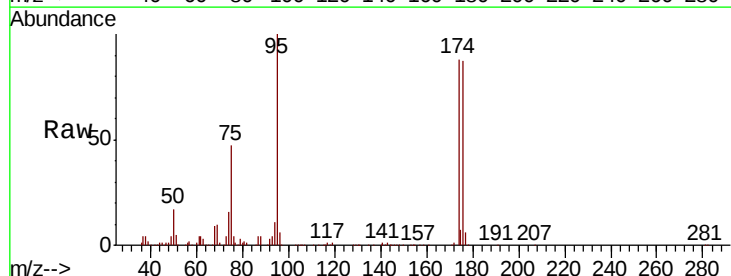
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

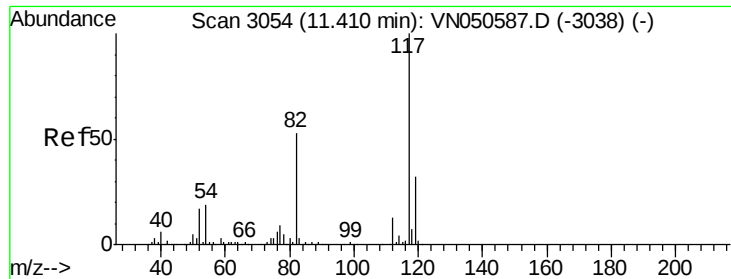
Tot Ion:107 Resp: 115607
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 44.26 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion: 95 Resp: 390206
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 177.8
 176 87.8 0.0 175.0

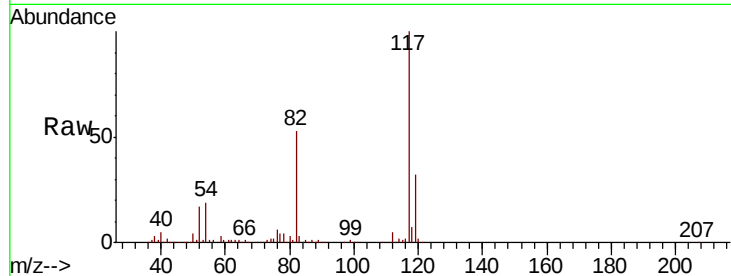




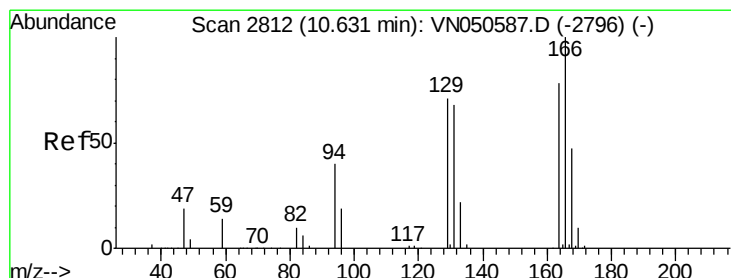
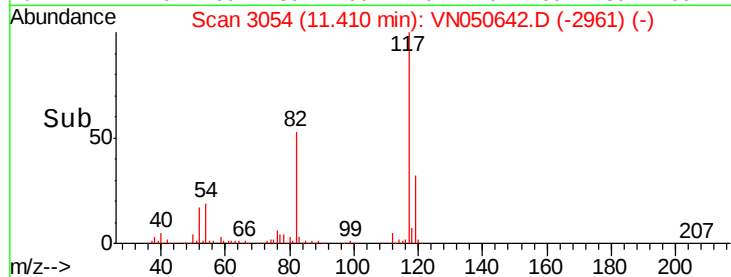
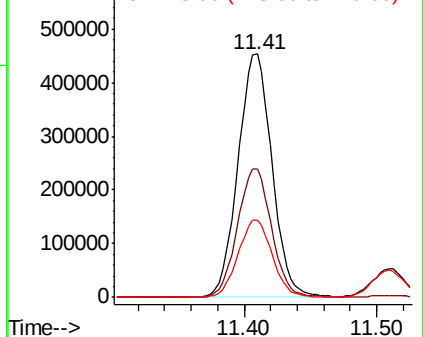
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

Tot Ion:117 Resp: 807676
Ion Ratio Lower Upper
117 100
82 52.5 42.4 63.6
119 31.6 25.8 38.8

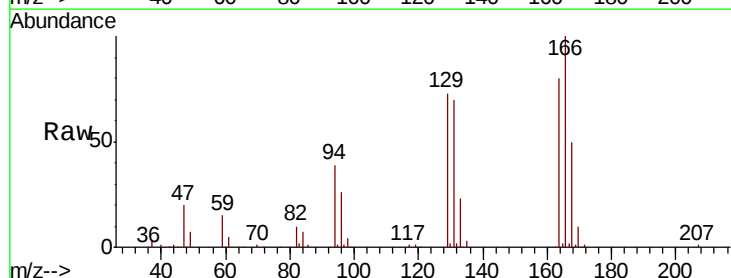


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

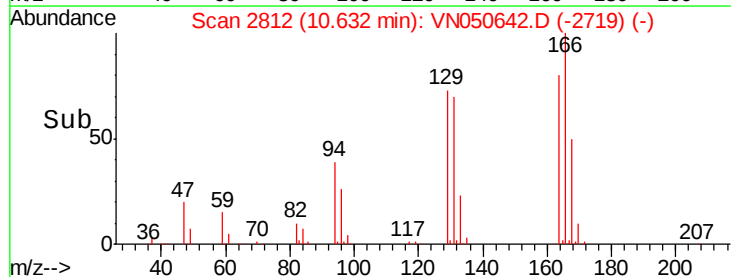
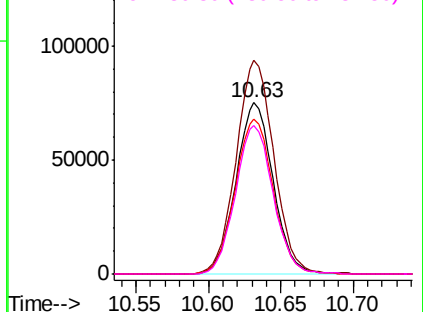


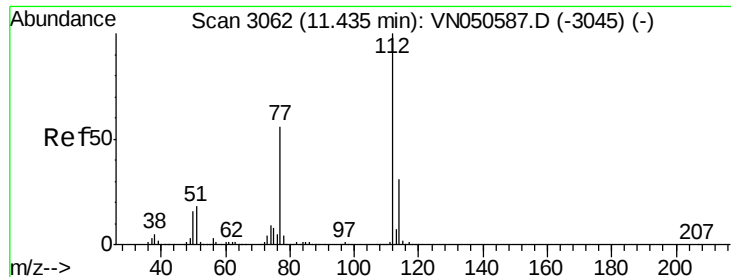
#64
Tetrachloroethene
Concen: 17.85 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion:164 Resp: 133879
Ion Ratio Lower Upper
164 100
166 124.9 102.1 153.1
129 90.8 72.7 109.1
131 86.9 69.9 104.9



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

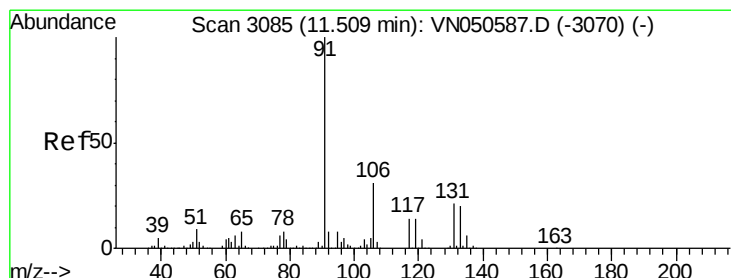
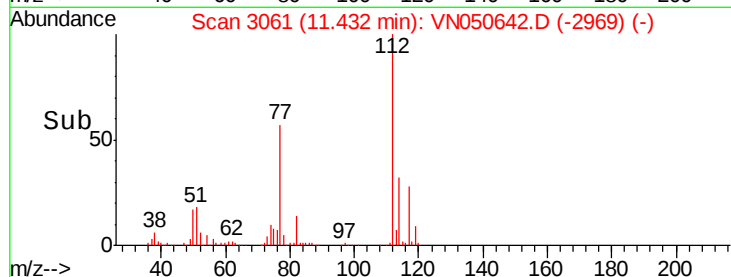
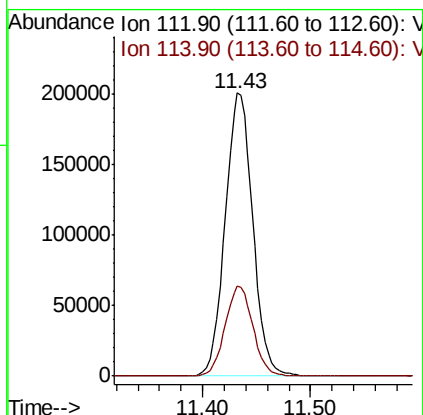
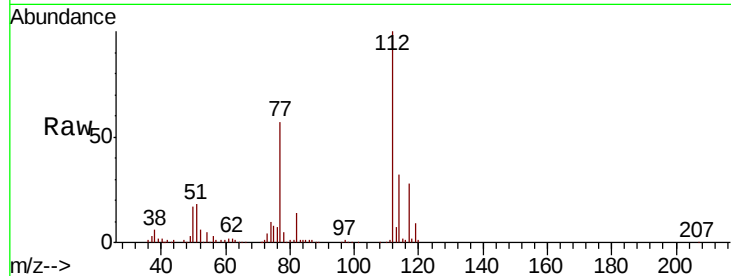




#65
Chlorobenzene
Concen: 17.81 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

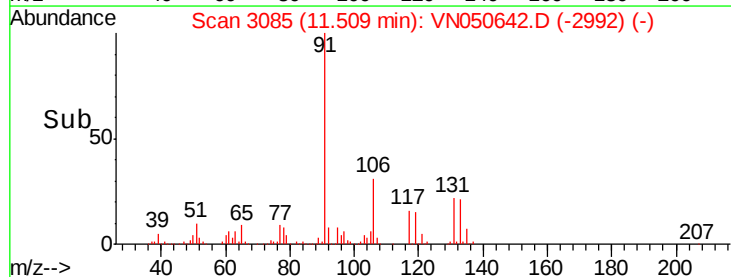
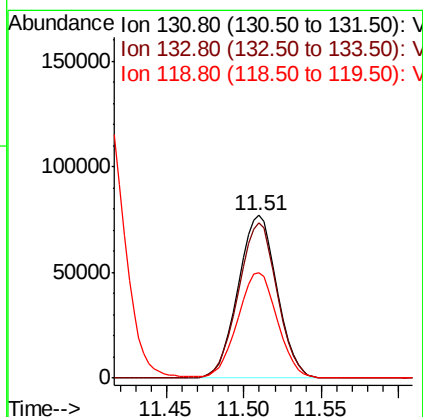
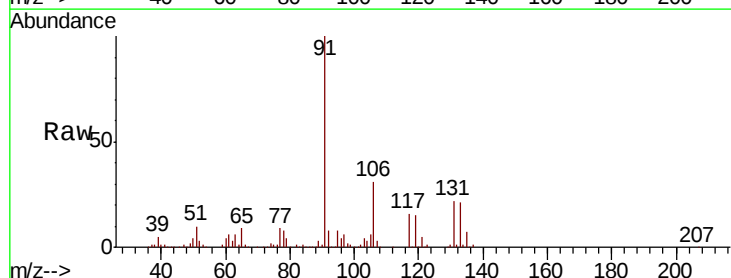
Instrument :
MSVOA_N
ClientSampleId :
VN0815WBS01

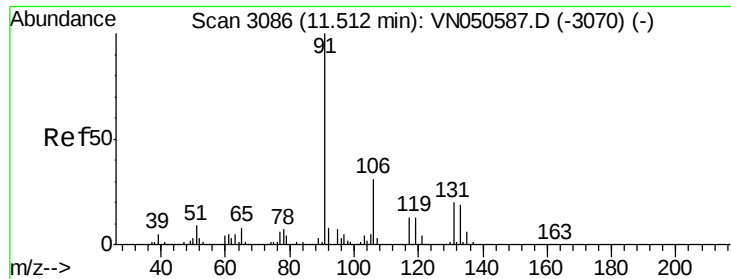
Tot Ion:112 Resp: 358083
Ion Ratio Lower Upper
112 100
114 31.9 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 17.93 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion:131 Resp: 135082
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.9
119 66.1 33.1 99.3





#67

Ethyl Benzene

Concen: 18.08 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

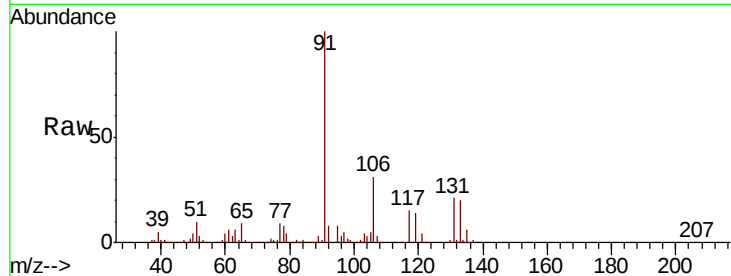
VN0815WBS01

Tot Ion: 91 Resp: 586851

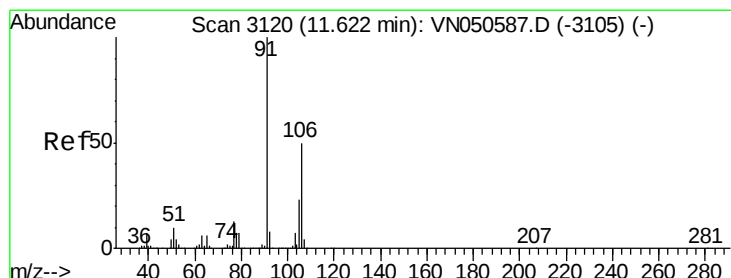
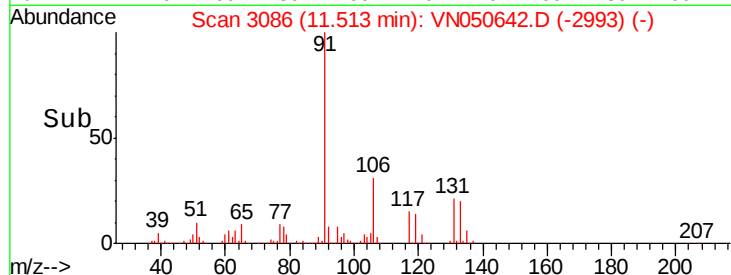
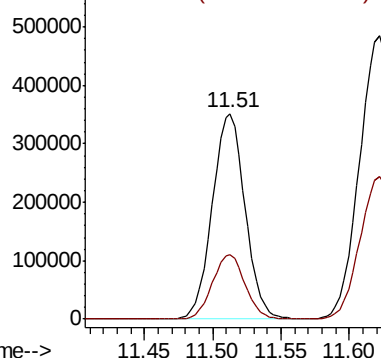
Ion Ratio Lower Upper

91 100

106 31.5 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3070) (-)



#68

m/p-Xylenes

Concen: 37.12 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050642.D

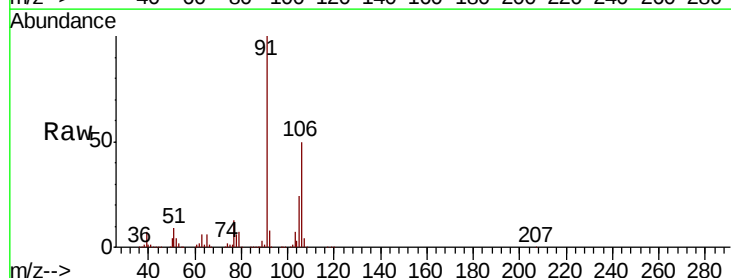
Acq: 15 Aug 2018 9:52

Tgt Ion: 106 Resp: 460740

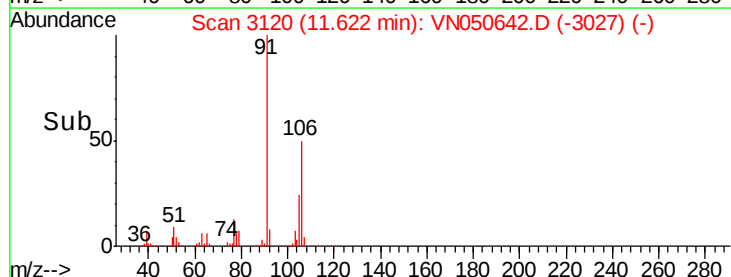
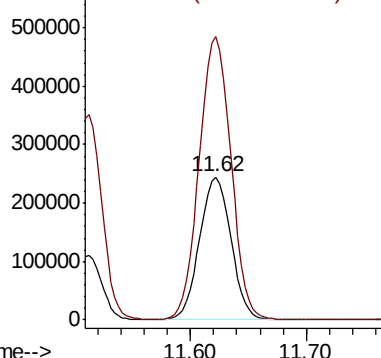
Ion Ratio Lower Upper

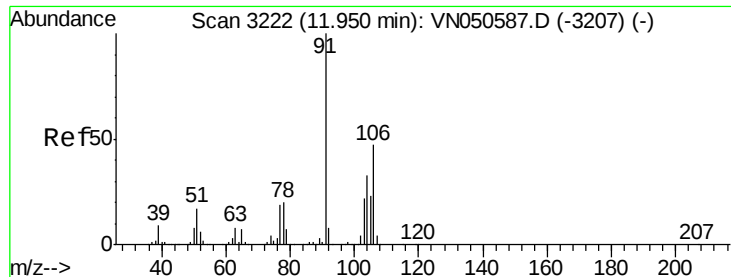
106 100

91 200.2 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VN050587.D (-3105) (-)

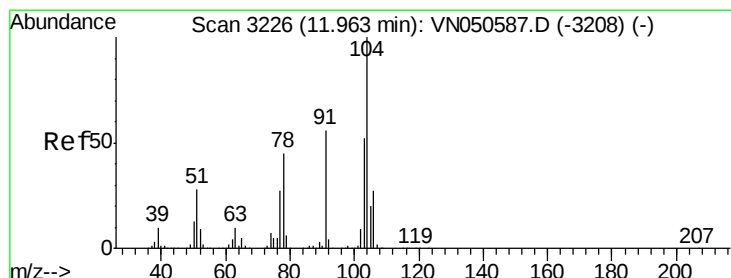
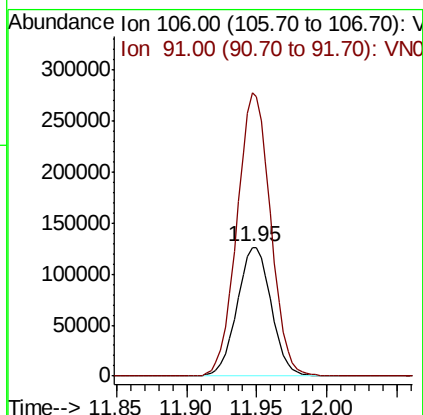
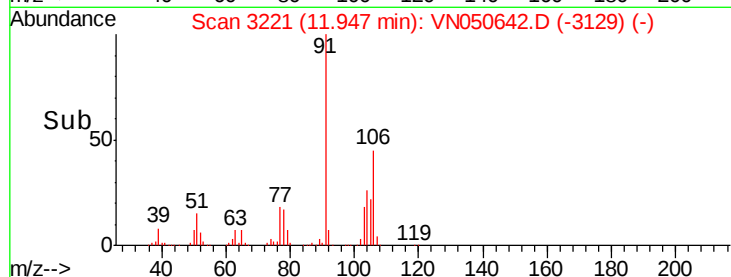
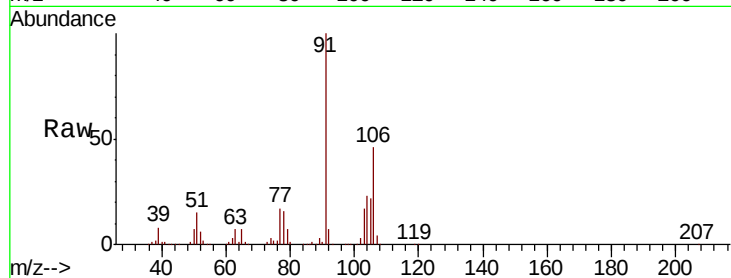




#69
o-Xylene
Concen: 18.07 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

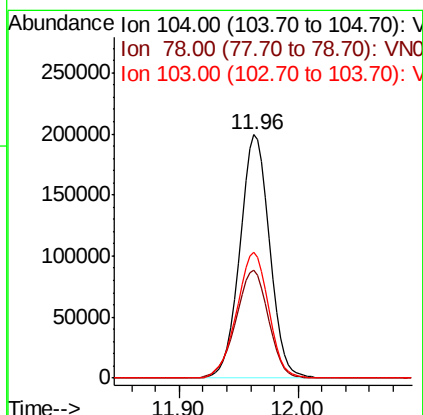
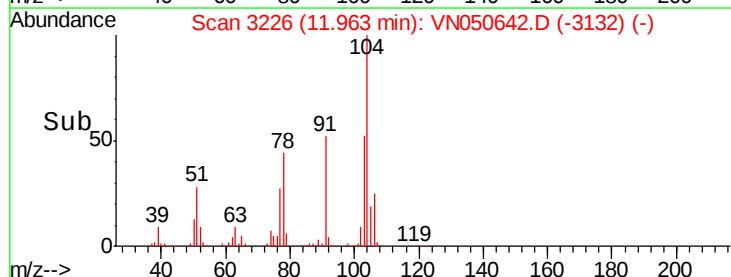
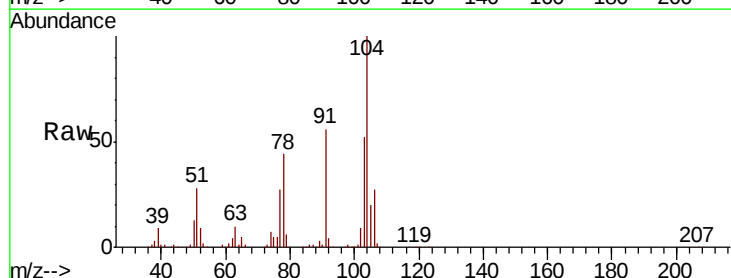
Instrument :
MSVOA_N
ClientSampled :
VN0815WBS01

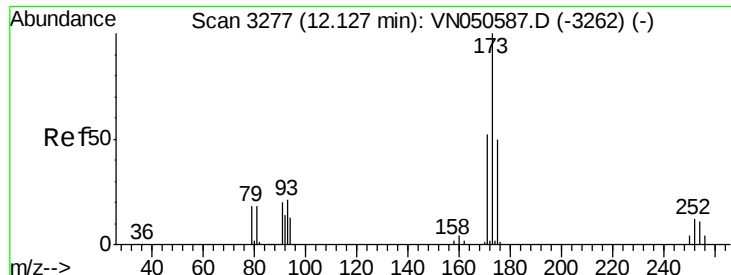
Tot Ion:106 Resp: 213913
Ion Ratio Lower Upper
106 100
91 216.9 106.8 320.4



#70
Styrene
Concen: 17.02 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion:104 Resp: 345079
Ion Ratio Lower Upper
104 100
78 48.9 39.1 58.7
103 55.7 44.9 67.3

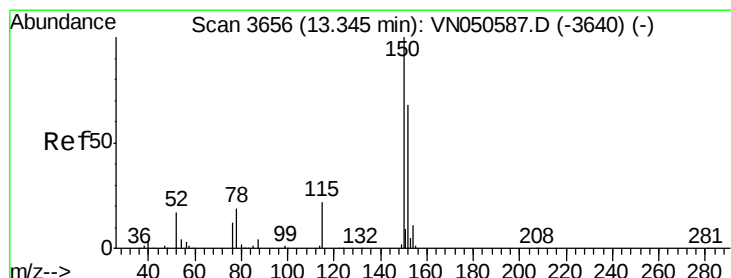
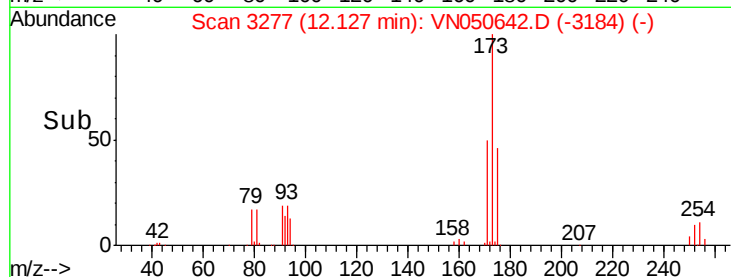
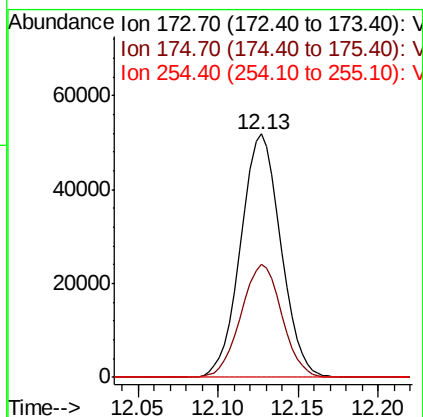
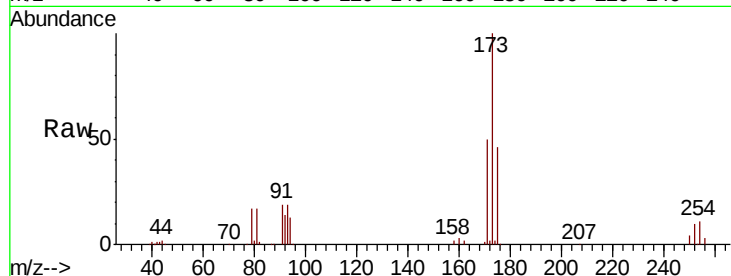




#71
 Bromoform
 Concen: 17.76 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

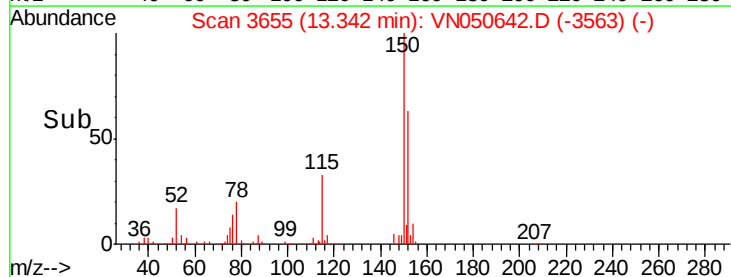
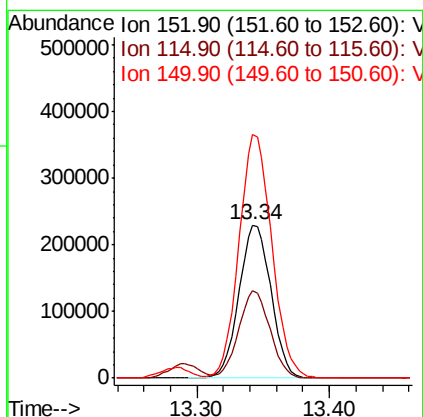
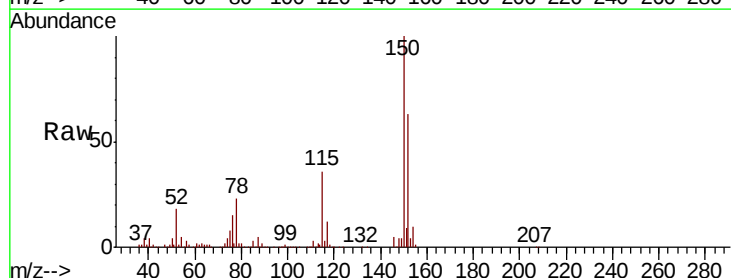
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

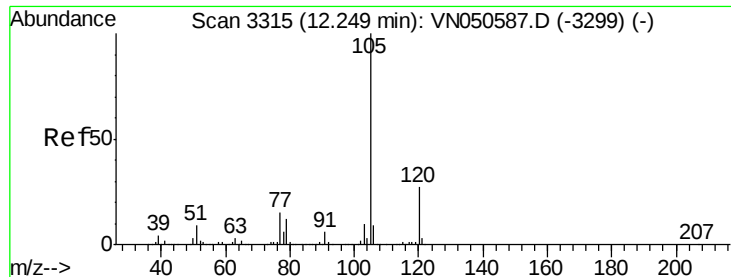
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.4	73.2
254	0.0	0.0	0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	163.8	0.0	347.8





#73

Isopropylbenzene

Concen: 19.01 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

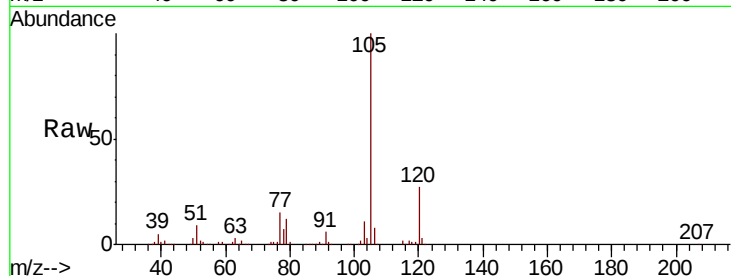
VN0815WBS01

Tot Ion:105 Resp: 569348

Ion Ratio Lower Upper

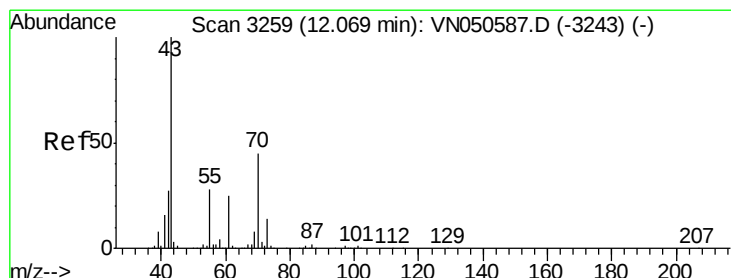
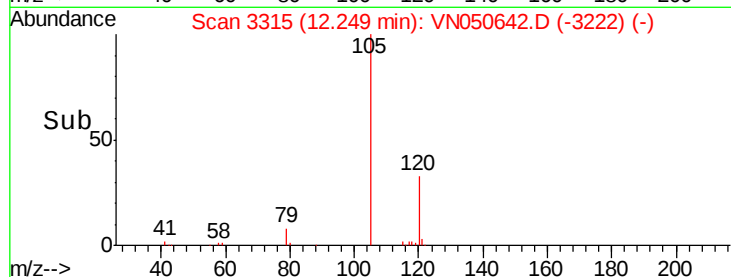
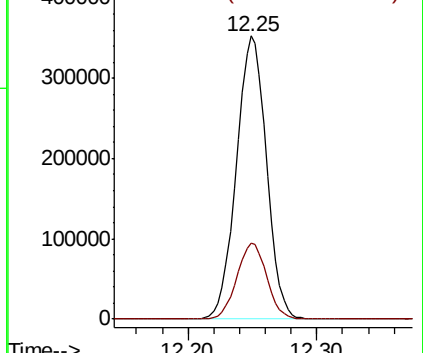
105 100

120 26.7 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.32 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Tgt Ion: 43 Resp: 135008

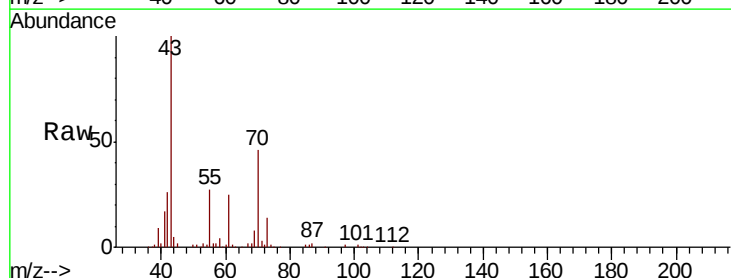
Ion Ratio Lower Upper

43 100

70 44.3 35.9 53.9

55 28.0 22.2 33.4

61 24.6 20.0 30.0

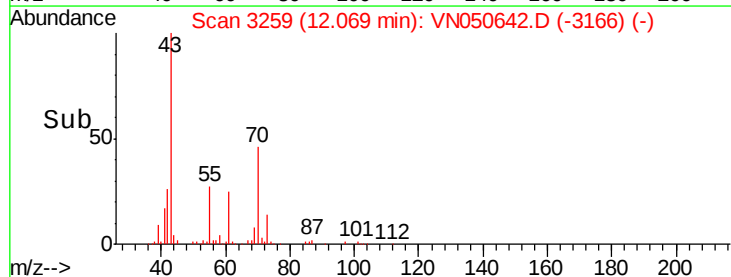
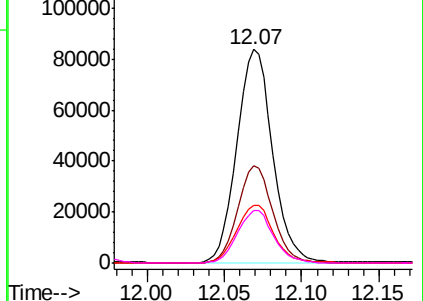


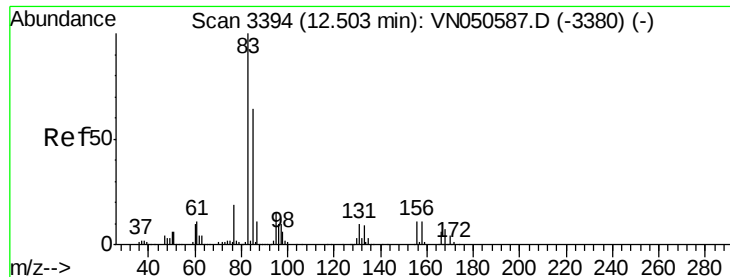
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.27 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

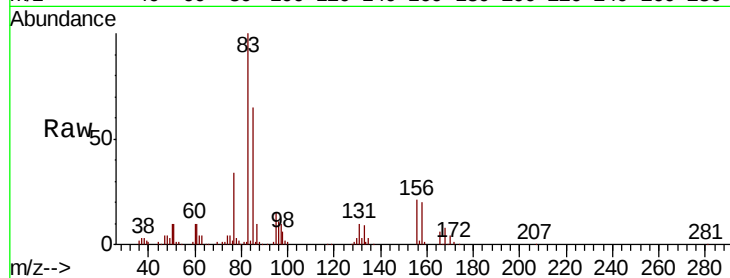
Tot Ion: 83 Resp: 143964

Ion Ratio Lower Upper

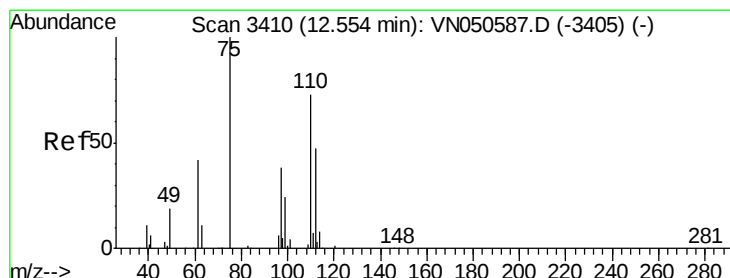
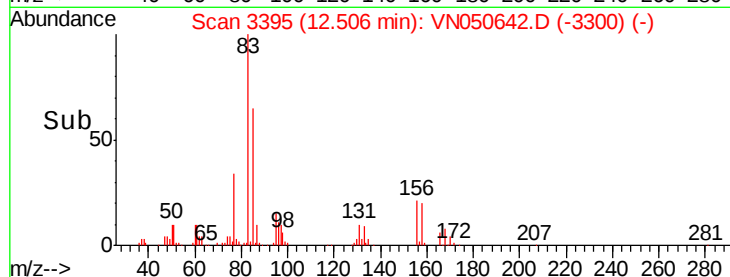
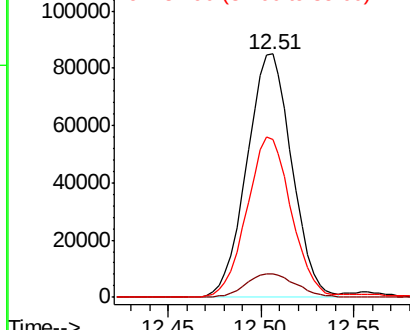
83 100

131 10.7 5.3 15.9

85 64.9 32.1 96.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.95 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN050642.D

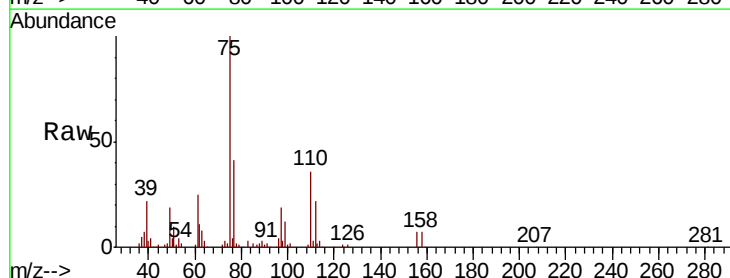
Acq: 15 Aug 2018 9:52

Tgt Ion: 75 Resp: 163772

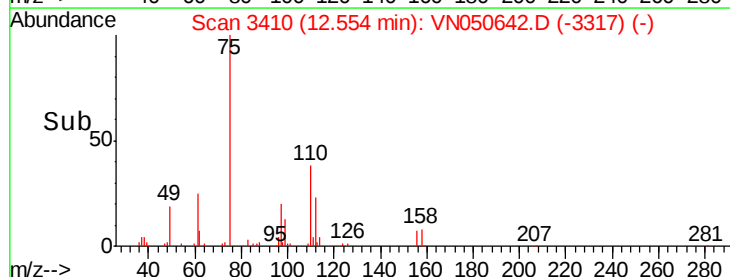
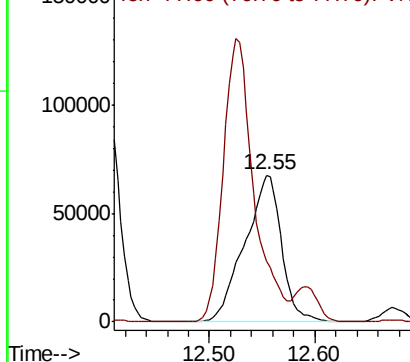
Ion Ratio Lower Upper

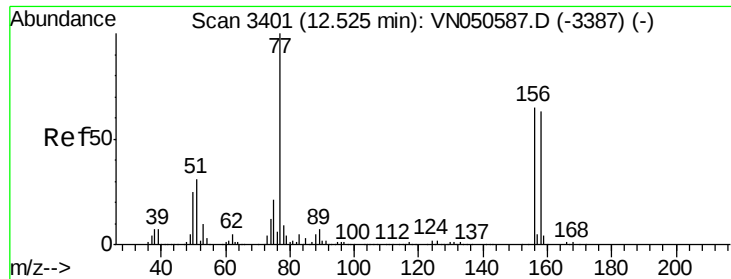
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO

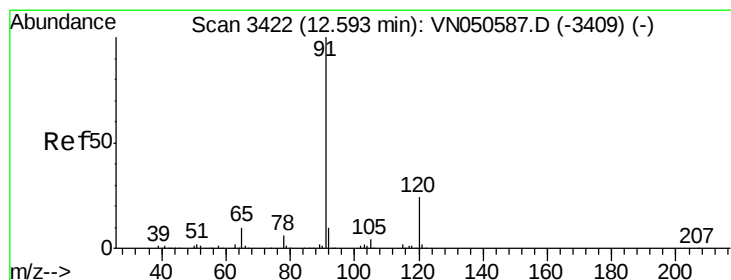
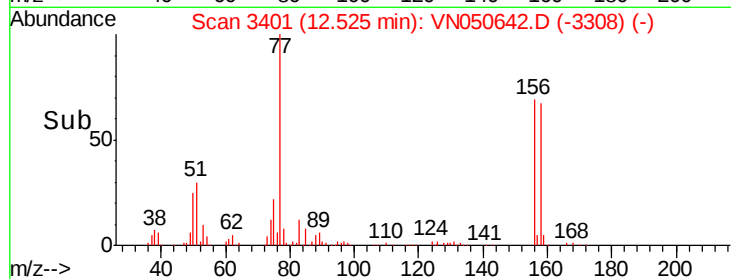
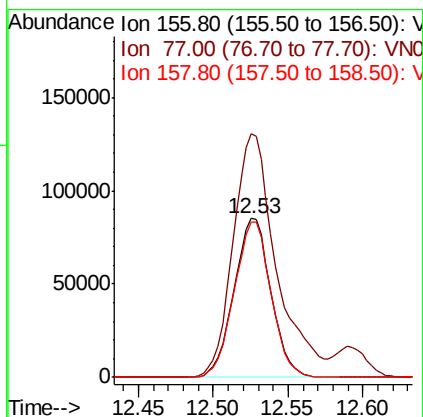
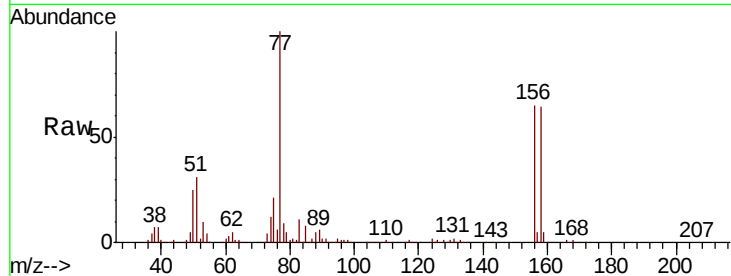




#77
Bromobenzene
Concen: 17.94 ug/l
RT: 12.53 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

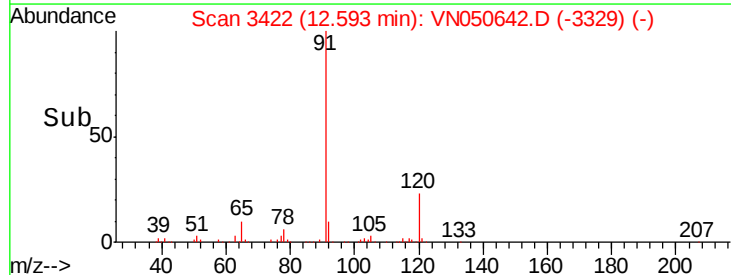
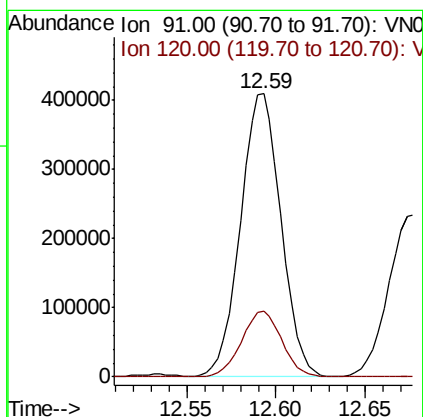
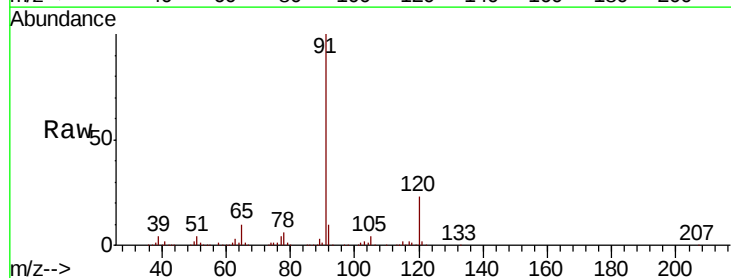
Instrument :
MSVOA_N
ClientSampled :
VN0815WBS01

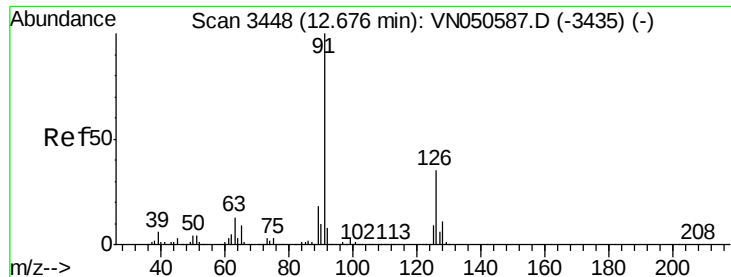
Tot Ion:156 Resp: 145929
Ion Ratio Lower Upper
156 100
77 179.6 89.0 267.1
158 97.6 48.5 145.6



#78
n-propylbenzene
Concen: 19.36 ug/l
RT: 12.59 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion: 91 Resp: 646671
Ion Ratio Lower Upper
91 100
120 23.2 11.8 35.4





#79

2-Chlorotoluene

Concen: 18.76 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

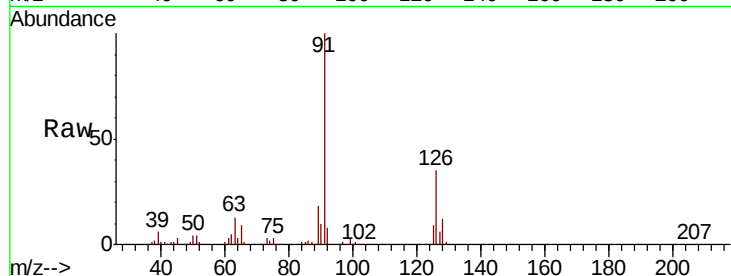
VN0815WBS01

Tot Ion: 91 Resp: 390591

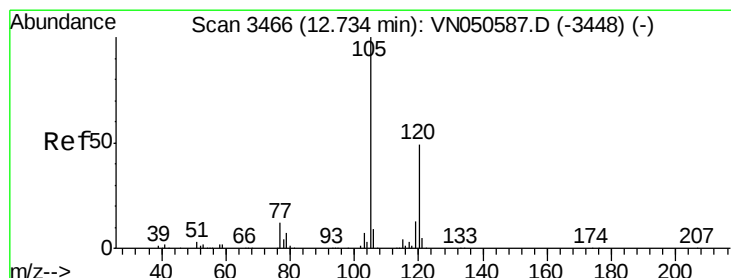
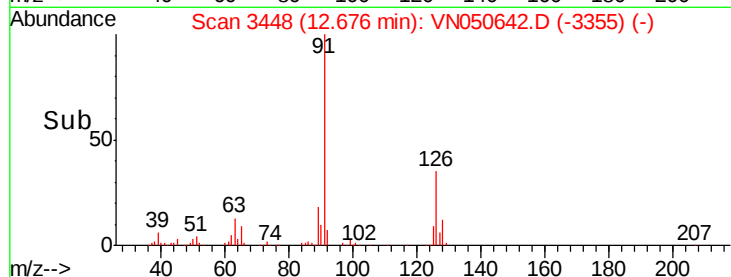
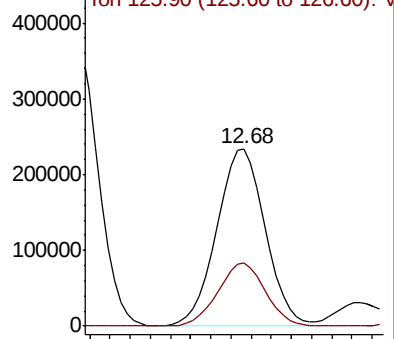
Ion Ratio Lower Upper

91 100

126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.54 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050642.D

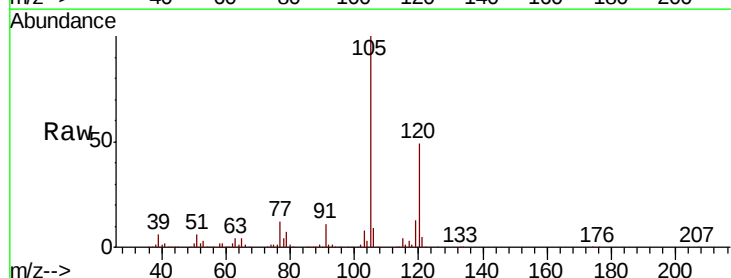
Acq: 15 Aug 2018 9:52

Tgt Ion: 105 Resp: 468671

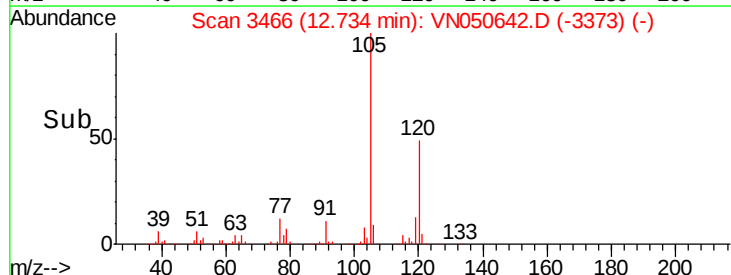
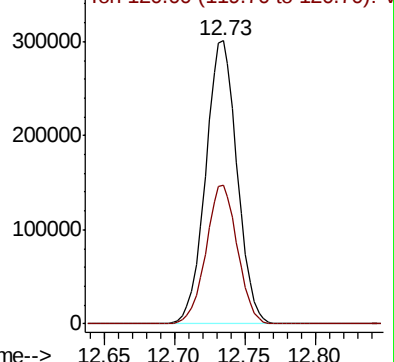
Ion Ratio Lower Upper

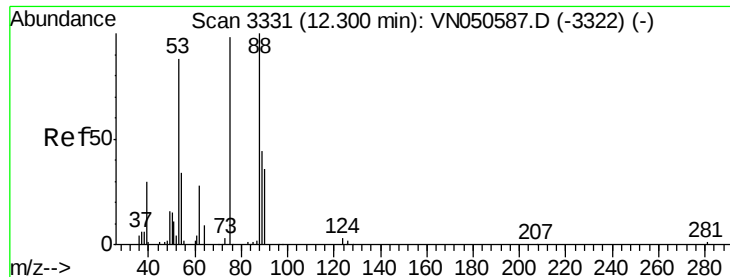
105 100

120 49.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN050587.D (-3448) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.99 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

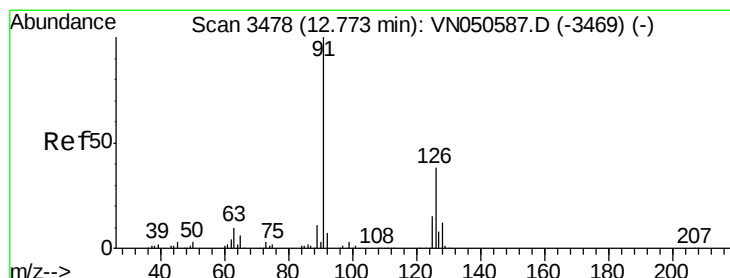
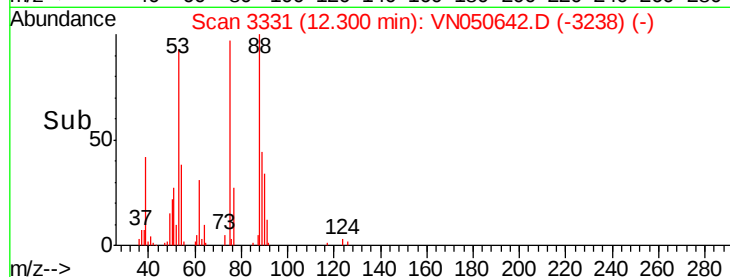
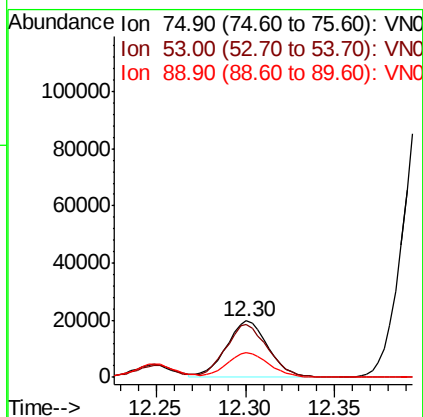
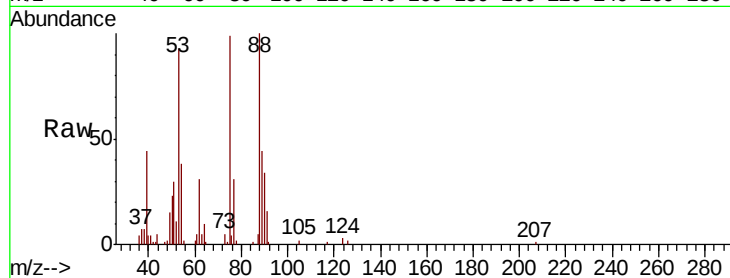
Tot Ion: 75 Resp: 32741

Ion Ratio Lower Upper

75 100

53 93.6 72.2 108.2

89 43.7 36.3 54.5



#82

4-Chlorotoluene

Concen: 18.73 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050642.D

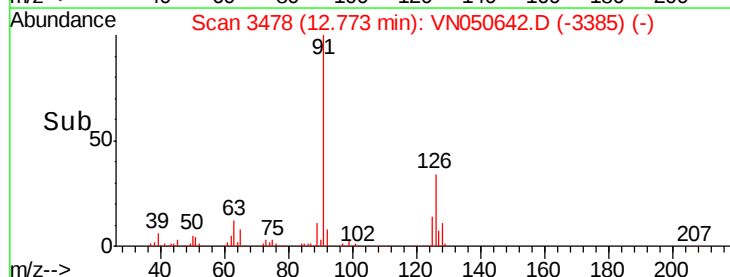
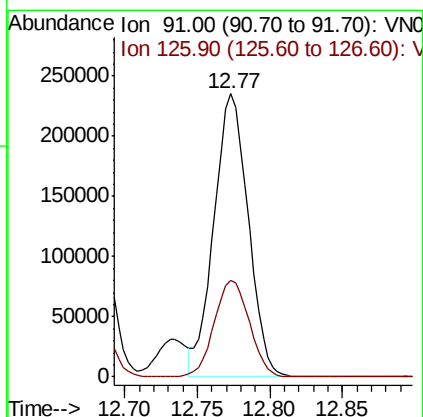
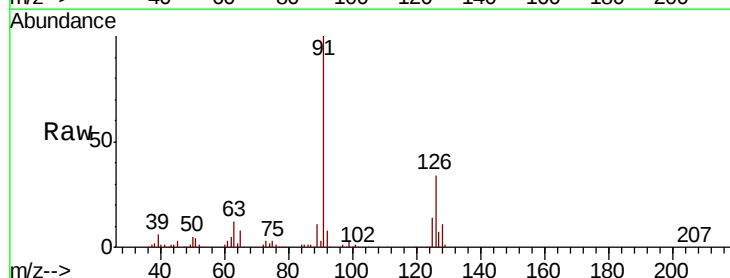
Acq: 15 Aug 2018 9:52

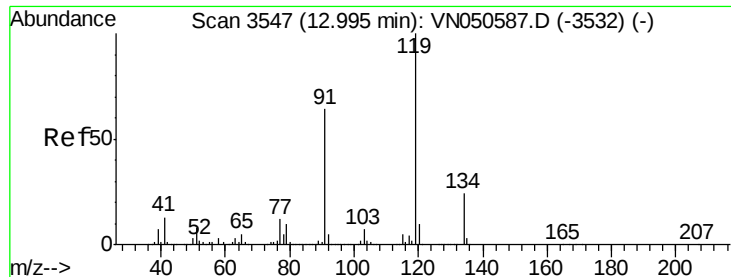
Tgt Ion: 91 Resp: 385454

Ion Ratio Lower Upper

91 100

126 35.0 17.3 52.0

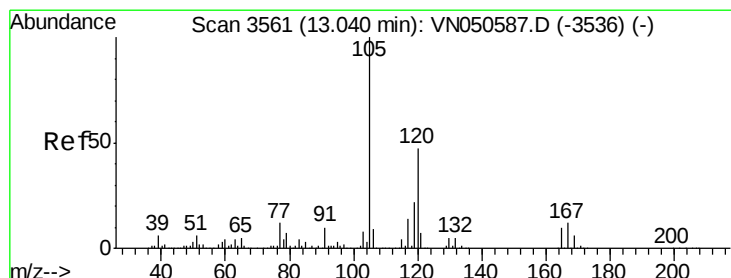
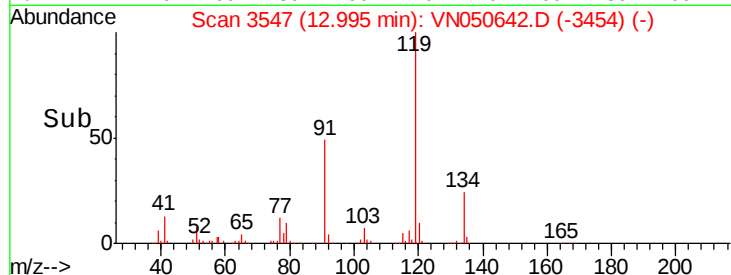
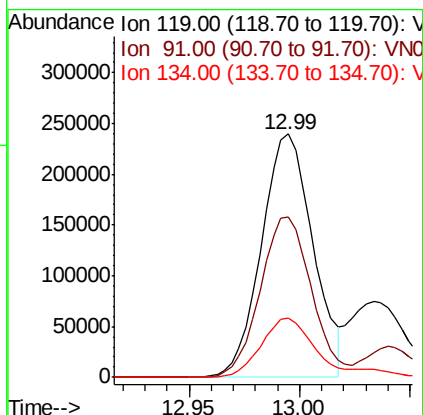
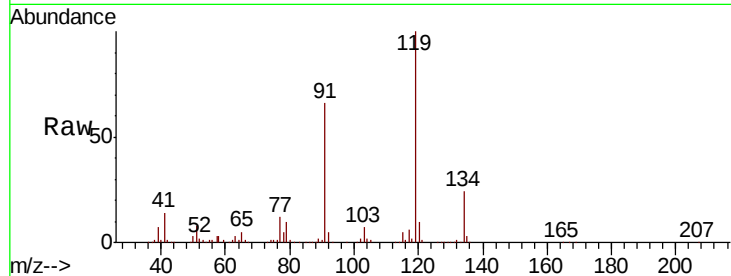




#83
tert-Butylbenzene
Concen: 18.66 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

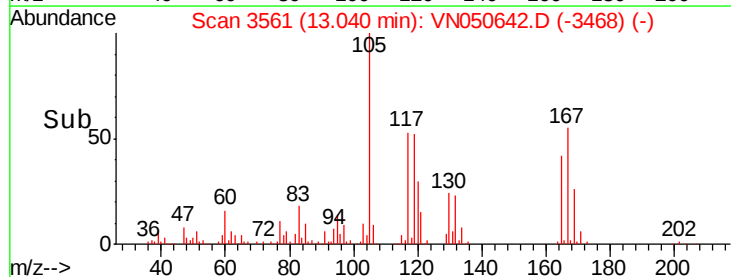
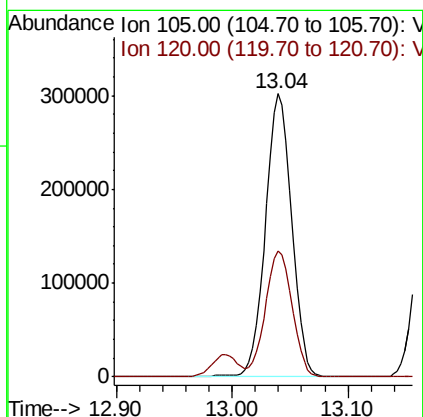
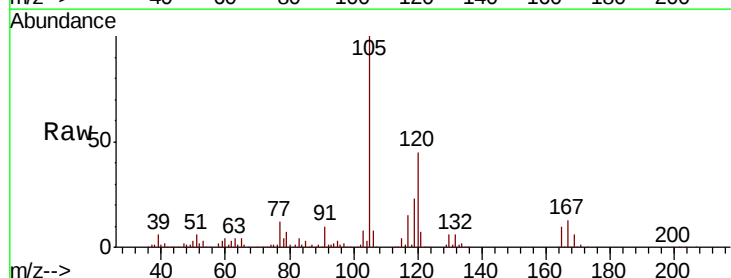
Instrument :
MSVOA_N
ClientSampled :
VN0815WBS01

Tot Ion:119 Resp: 388360
Ion Ratio Lower Upper
119 100
91 65.9 32.2 96.6
134 24.9 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 19.71 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050642.D
Acq: 15 Aug 2018 9:52

Tgt Ion:105 Resp: 474448
Ion Ratio Lower Upper
105 100
120 45.5 23.2 69.5





#85

sec-Butylbenzene

Concen: 19.26 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampled :

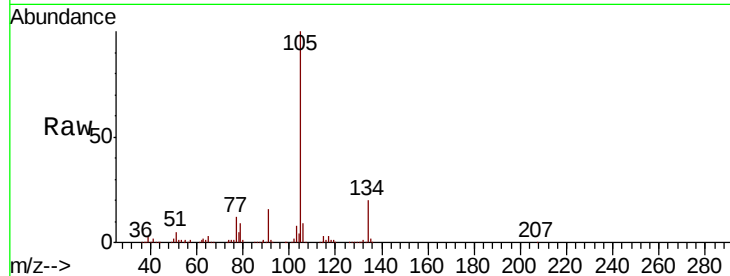
VN0815WBS01

Tot Ion:105 Resp: 523855

Ion Ratio Lower Upper

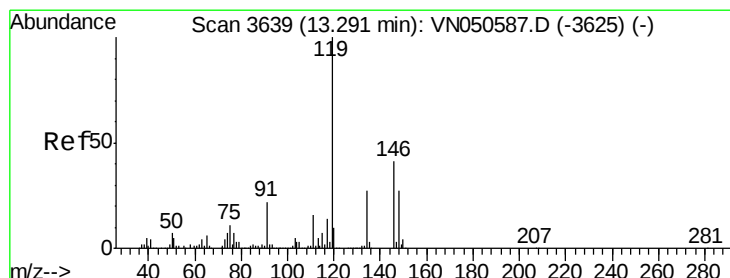
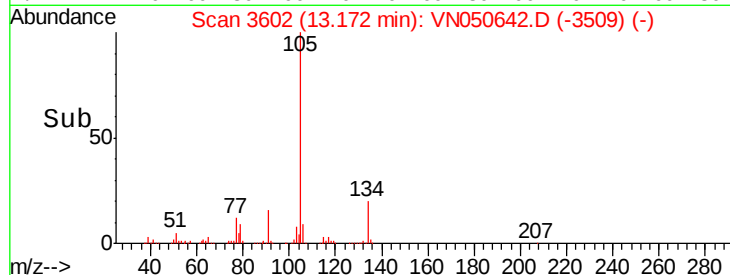
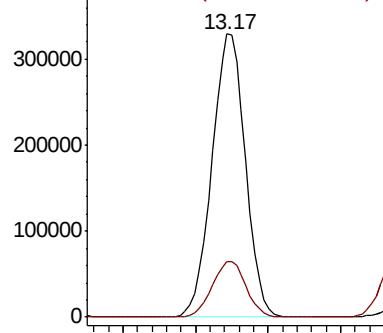
105 100

134 20.1 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.31 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

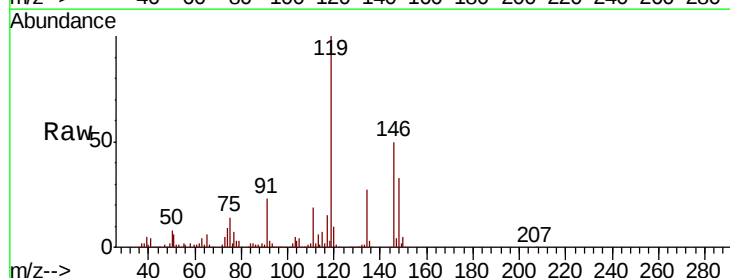
Tgt Ion:119 Resp: 445014

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

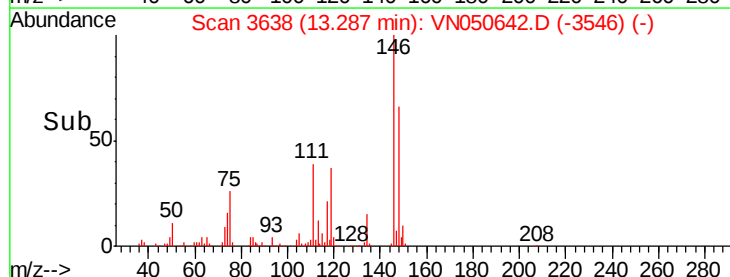
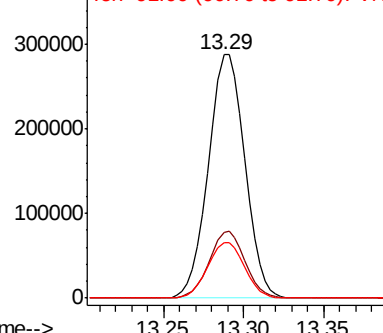
91 23.0 11.2 33.6

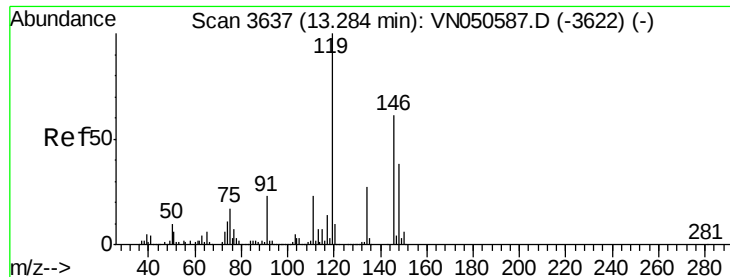


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 17.94 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

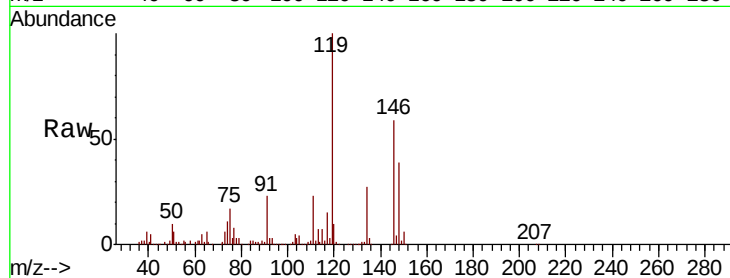
Tot Ion:146 Resp: 248346

Ion Ratio Lower Upper

146 100

111 38.3 19.2 57.6

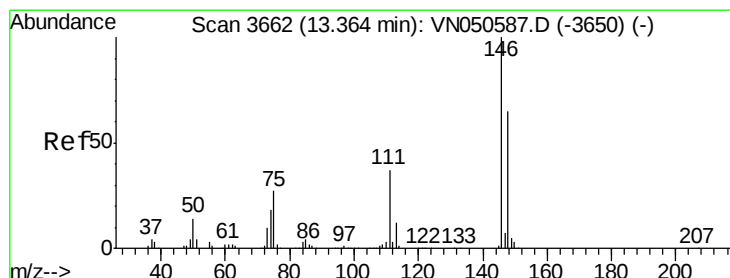
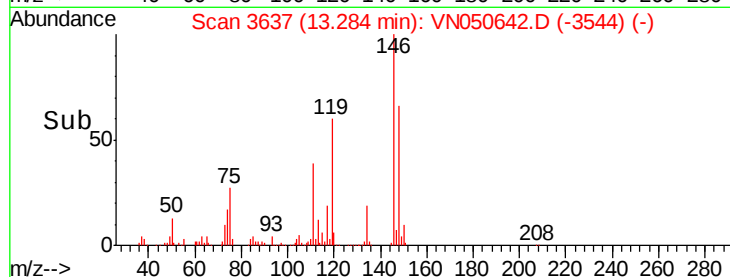
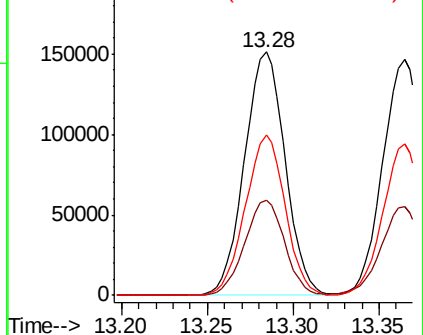
148 64.4 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.55 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

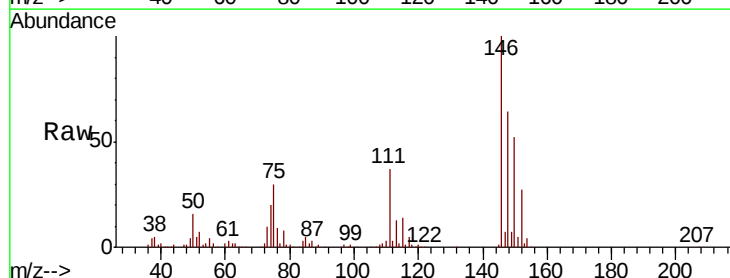
Tgt Ion:146 Resp: 241134

Ion Ratio Lower Upper

146 100

111 38.2 18.8 56.4

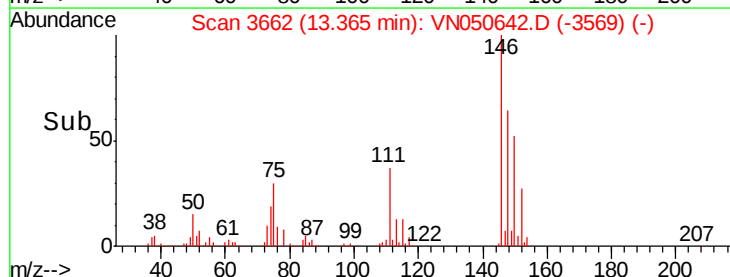
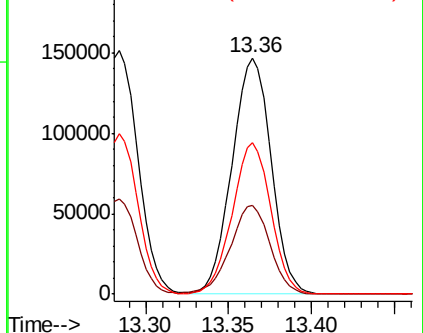
148 63.4 32.3 96.8

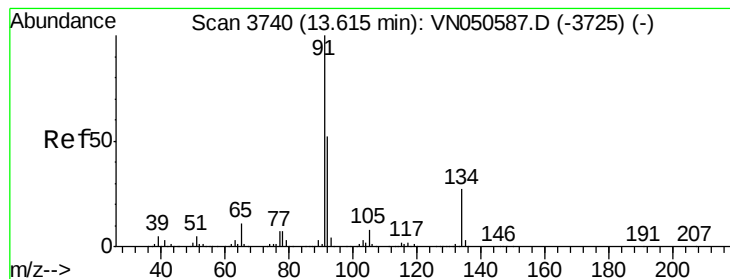


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 18.04 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

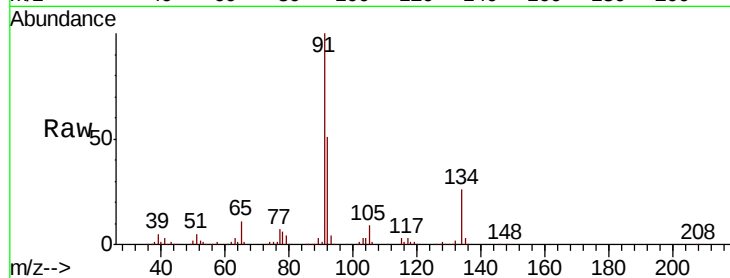
Tot Ion: 91 Resp: 335809

Ion Ratio Lower Upper

91 100

92 50.4 26.3 78.8

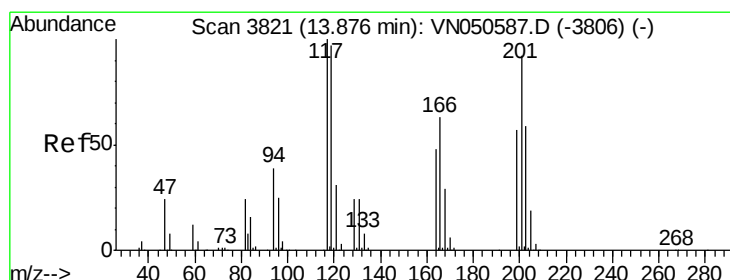
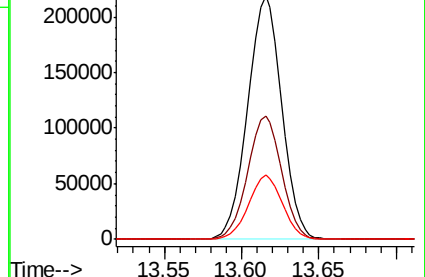
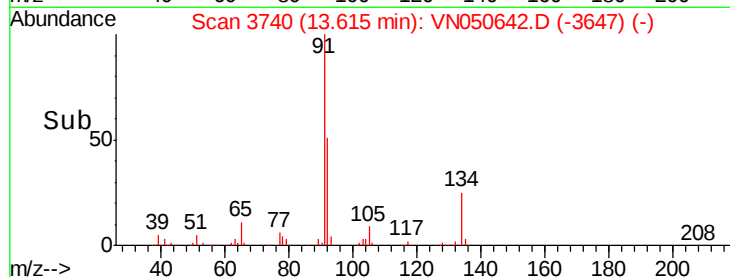
134 26.1 13.3 39.9



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN050587.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN050587.D (-3725) (-)



#90

Hexachloroethane

Concen: 18.11 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN050642.D

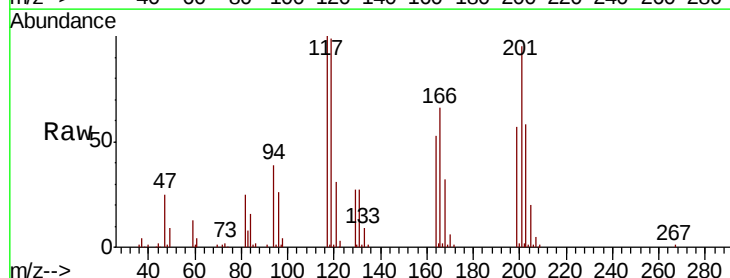
Acq: 15 Aug 2018 9:52

Tgt Ion: 117 Resp: 83939

Ion Ratio Lower Upper

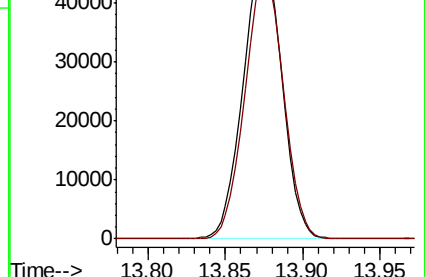
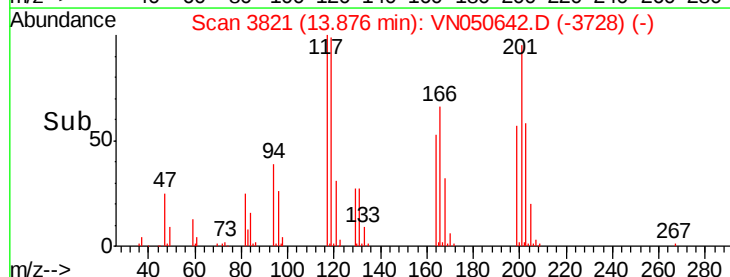
117 100

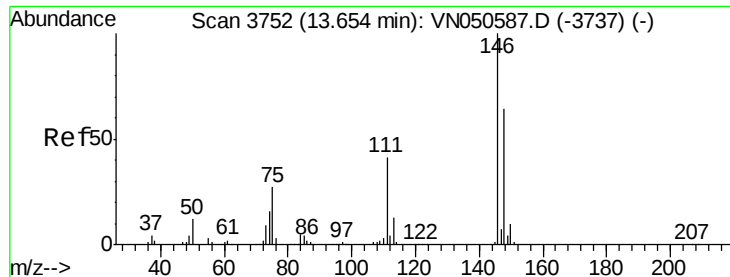
201 93.1 45.5 136.5



Abundance Ion 116.80 (116.50 to 117.50): VN050587.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050587.D (-3806) (-)

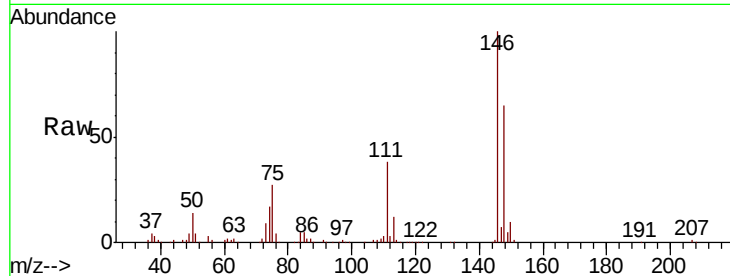




#91
 1,2-Dichlorobenzene
 Concen: 17.81 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.8	59.4
148	64.4	32.3	96.8

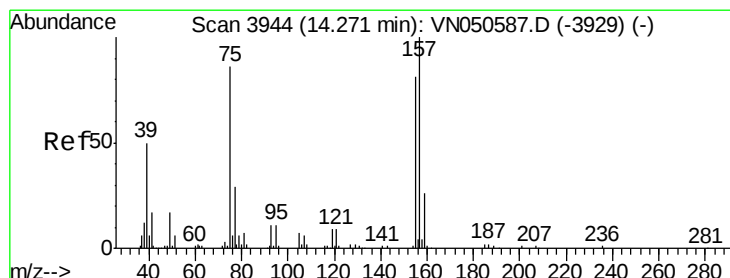
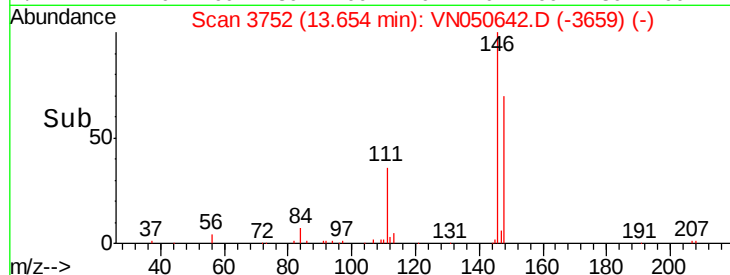
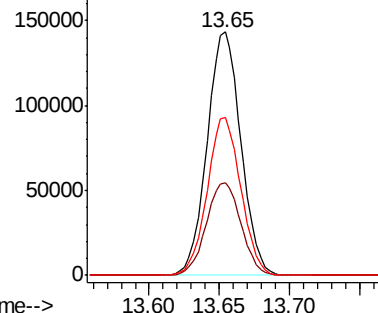


Abundance

Ion 145.90 (145.60 to 146.60): V

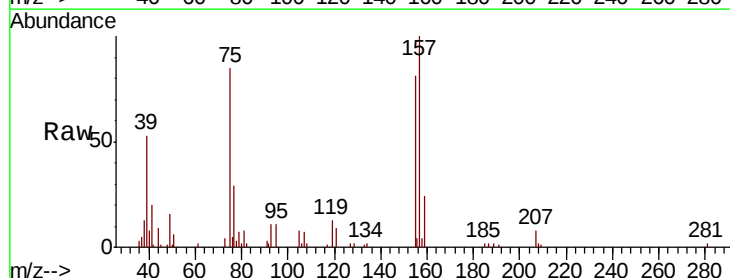
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.60 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	46.6	139.8
157	115.5	58.1	174.2

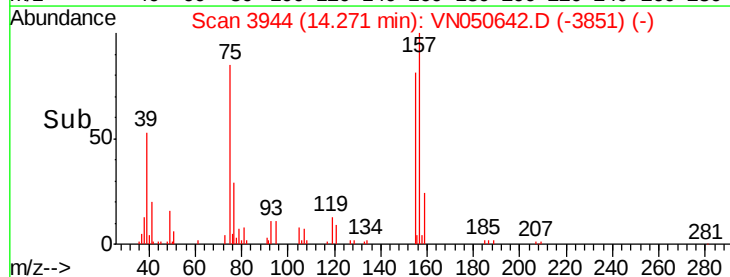
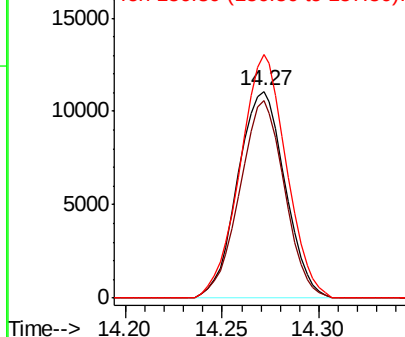


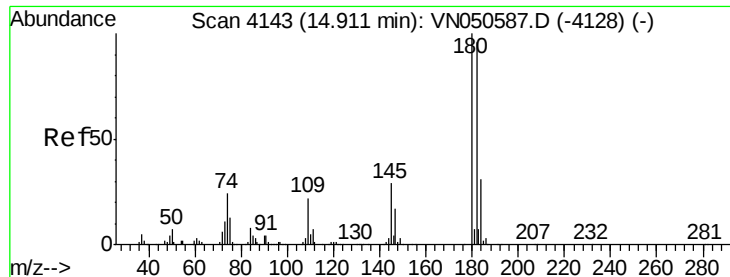
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

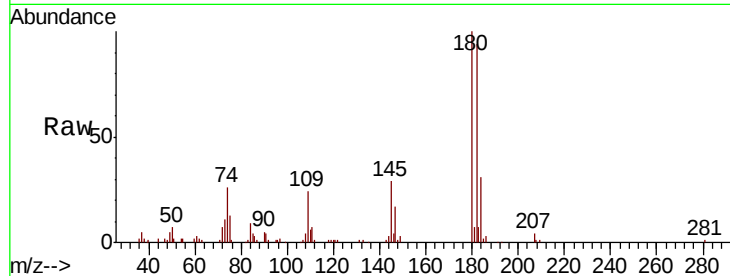




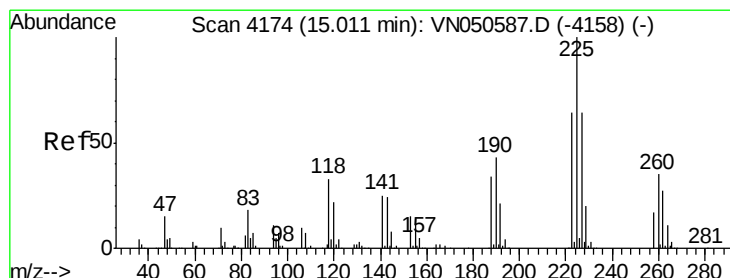
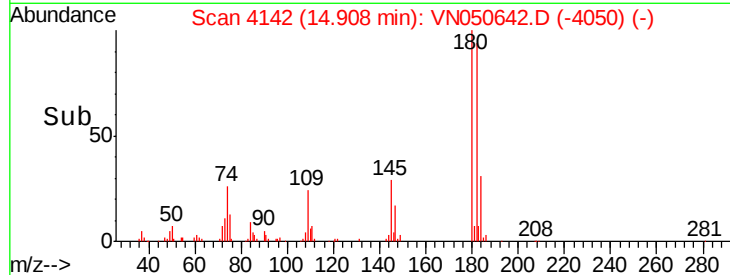
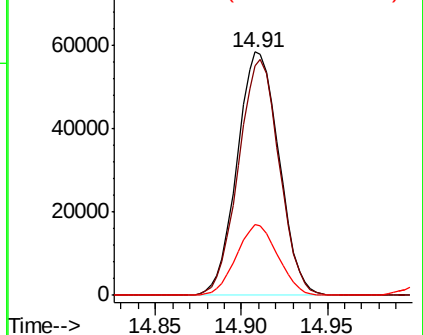
#93
 1,2,4-Trichlorobenzene
 Concen: 16.12 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBS01

Tot Ion:180 Resp: 98439
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.9 143.7
 145 28.8 14.4 43.4

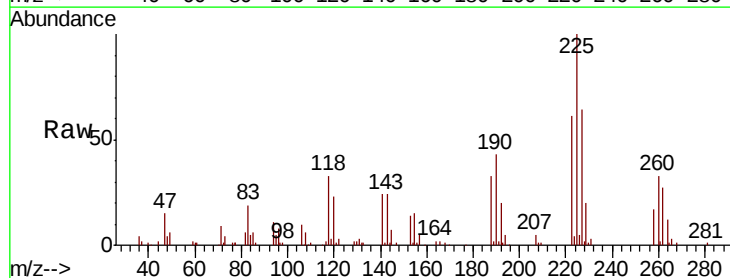


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

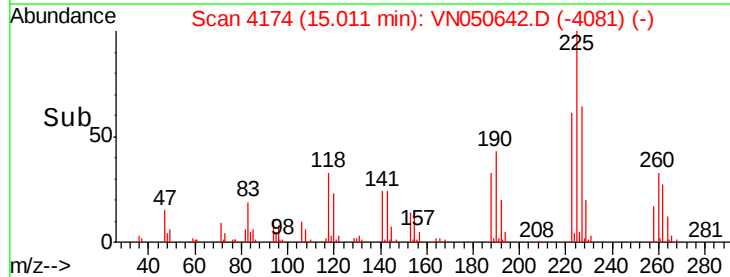
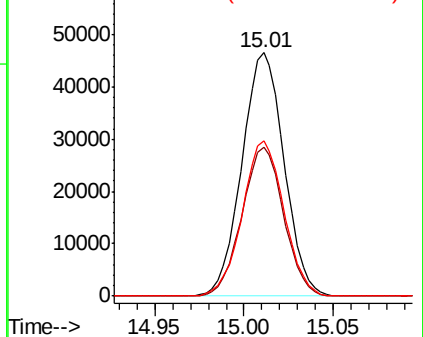


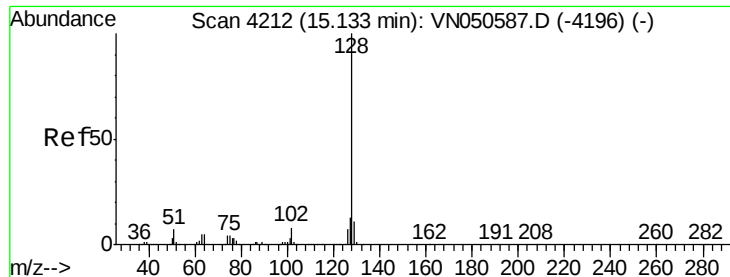
#94
 Hexachlorobutadiene
 Concen: 18.55 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050642.D
 Acq: 15 Aug 2018 9:52

Tgt Ion:225 Resp: 76813
 Ion Ratio Lower Upper
 225 100
 223 60.6 32.1 96.3
 227 62.7 32.0 96.2



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: 15.05 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBS01

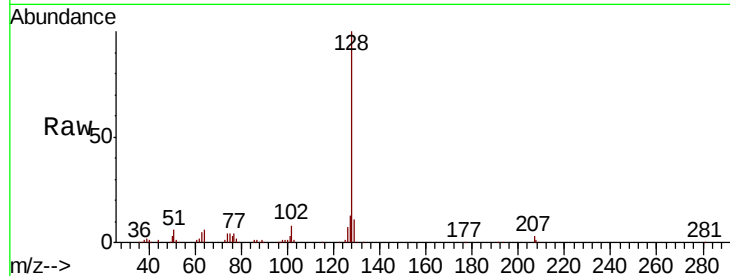
Tot Ion:128 Resp: 178839

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

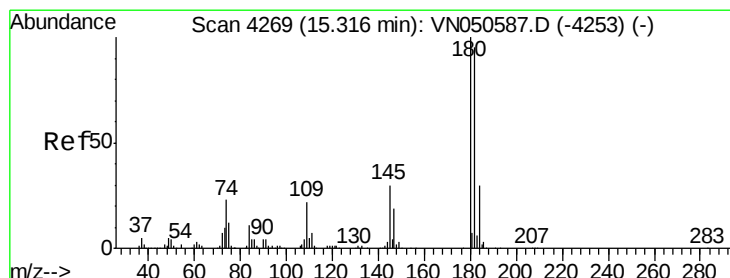
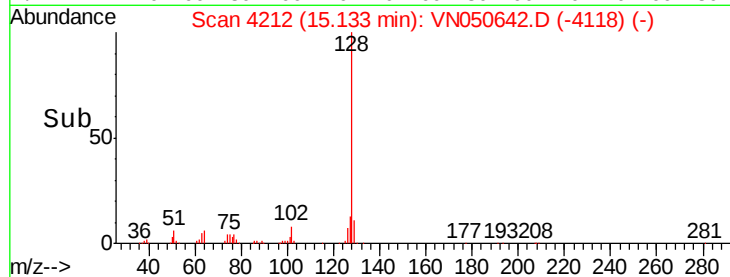
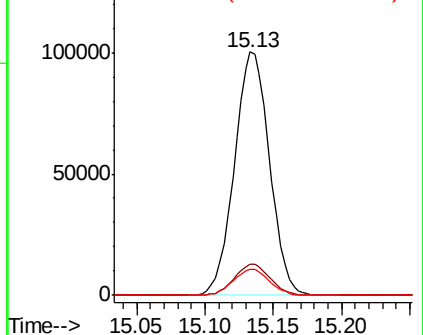
129 11.0 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.21 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050642.D

Acq: 15 Aug 2018 9:52

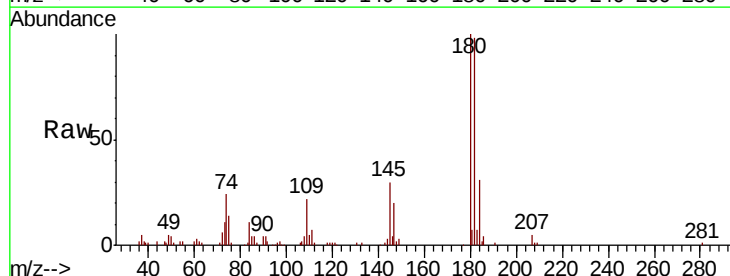
Tgt Ion:180 Resp: 96158

Ion Ratio Lower Upper

180 100

182 98.6 47.3 141.8

145 30.0 14.6 44.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

