

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050476.D
 Acq On : 9 Aug 2018 11:07
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 03:59:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	774328	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1112020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1051243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	561774	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	468717	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	7.59	113	432066	48.42	ug/l	0.00
Spiked Amount			Recovery	=	96.84%	
50) Toluene-d8	10.09	98	1630783	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
62) 4-Bromofluorobenzene	12.40	95	581615	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	378345	44.02	ug/l	99
3) Chloromethane	2.06	50	455659	44.71	ug/l	99
4) Vinyl Chloride	2.18	62	484904	43.58	ug/l	99
5) Bromomethane	2.54	94	227217	42.15	ug/l	100
6) Chloroethane	2.69	64	305785	44.61	ug/l	100
7) Trichlorofluoromethane	3.00	101	638787	44.46	ug/l	100
8) Diethyl Ether	3.41	74	243293	46.17	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	405665	45.68	ug/l	99
10) Methyl Iodide	3.94	142	177025	45.25	ug/l	96
11) Tert butyl alcohol	4.80	59	152211	183.14	ug/l	100
12) 1,1-Dichloroethene	3.73	96	369467	44.14	ug/l	98
13) Acrolein	3.60	56	137233	134.31	ug/l	97
14) Allyl chloride	4.32	41	586071	43.59	ug/l	98
15) Acrylonitrile	4.99	53	741470	212.99	ug/l	99
16) Acetone	3.82	43	648006	209.97	ug/l	99
17) Carbon Disulfide	4.05	76	1081204	39.72	ug/l	100
18) Methyl Acetate	4.32	43	371438	46.32	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	1107891	46.63	ug/l	100
20) Methylene Chloride	4.55	84	439981	46.52	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	401708	44.34	ug/l	98
22) Diisopropyl ether	5.95	45	1297677	47.25	ug/l	98
23) Vinyl Acetate	5.90	43	4476317	228.45	ug/l	99
24) 1,1-Dichloroethane	5.85	63	746264	44.29	ug/l	99
25) 2-Butanone	6.84	43	1072736	209.25	ug/l	97
26) 2,2-Dichloropropane	6.82	77	617225	44.43	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	470474	46.86	ug/l	98
28) Bromochloromethane	7.19	49	355443	45.82	ug/l	95
29) Tetrahydrofuran	7.21	42	549142	200.12	ug/l	98
30) Chloroform	7.37	83	769683	45.69	ug/l	99
31) Cyclohexane	7.65	56	655169	44.10	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	655951	45.34	ug/l	99
36) 1,1-Dichloropropene	7.79	75	581206	47.57	ug/l	100
37) Ethyl Acetate	6.93	43	377175	42.87	ug/l	99
38) Carbon Tetrachloride	7.77	117	580796	45.57	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	644318	48.31	ug/l	98
40) Benzene	8.04	78	1758565	46.82	ug/l	99
41) Methacrylonitrile	7.18	41	205169	43.85	ug/l #	82
42) 1,2-Dichloroethane	8.12	62	559641	46.93	ug/l	99
43) Isopropyl Acetate	8.17	43	674756	44.42	ug/l	96
44) Trichloroethene	8.83	130	478974	47.45	ug/l	99
45) 1,2-Dichloropropane	9.12	63	464517	47.04	ug/l	98
46) Dibromomethane	9.21	93	286467	46.97	ug/l	97
47) Bromodichloromethane	9.40	83	600387	47.53	ug/l	99
48) Methyl methacrylate	9.20	41	349205	45.87	ug/l	98
49) 1,4-Dioxane	9.20	88	100654	857.74	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	2356481	215.42	ug/l	98
52) Toluene	10.16	92	1123408	49.79	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	633546	49.95	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	708037	50.02	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	414824	47.09	ug/l	99
56) Ethyl methacrylate	10.43	69	547561	44.13	ug/l	97
57) 1,3-Dichloropropane	10.71	76	697231	48.22	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	1279088	221.02	ug/l	98
59) 2-Hexanone	10.75	43	1624559	212.80	ug/l	98
60) Dibromochloromethane	10.90	129	473661	48.81	ug/l	98
61) 1,2-Dibromoethane	11.01	107	418599	48.21	ug/l	98
64) Tetrachloroethene	10.63	164	471091	47.96	ug/l	99
65) Chlorobenzene	11.43	112	1255333	47.63	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	462778	48.25	ug/l	100
67) Ethyl Benzene	11.51	91	2134908	50.11	ug/l	100
68) m/p-Xylenes	11.62	106	1672486	103.12	ug/l	99
69) o-Xylene	11.95	106	809702	51.83	ug/l	98
70) Styrene	11.96	104	1338045	52.67	ug/l	99
71) Bromoform	12.13	173	333308	47.55	ug/l #	99
73) Isopropylbenzene	12.25	105	2108497	50.00	ug/l	99
74) N-amyl acetate	12.07	43	588861	43.08	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	534104	43.90	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	638749	62.82	ug/l #	100
77) Bromobenzene	12.53	156	562389	49.78	ug/l	97
78) n-propylbenzene	12.59	91	2416629	50.63	ug/l	99
79) 2-Chlorotoluene	12.68	91	1455406	49.37	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1754569	51.26	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	129624	44.79	ug/l	97
82) 4-Chlorotoluene	12.77	91	1484066	50.48	ug/l	99
83) tert-Butylbenzene	12.99	119	1520904	50.93	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1797702	51.84	ug/l	99
85) sec-Butylbenzene	13.17	105	1997336	50.18	ug/l	99
86) p-Isopropyltoluene	13.29	119	1754720	51.44	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	986273	49.01	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	964817	48.02	ug/l	100
89) n-Butylbenzene	13.62	91	1457246	50.18	ug/l	99
90) Hexachloroethane	13.88	117	262449	43.27	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	951139	47.16	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76887	37.22	ug/l	96

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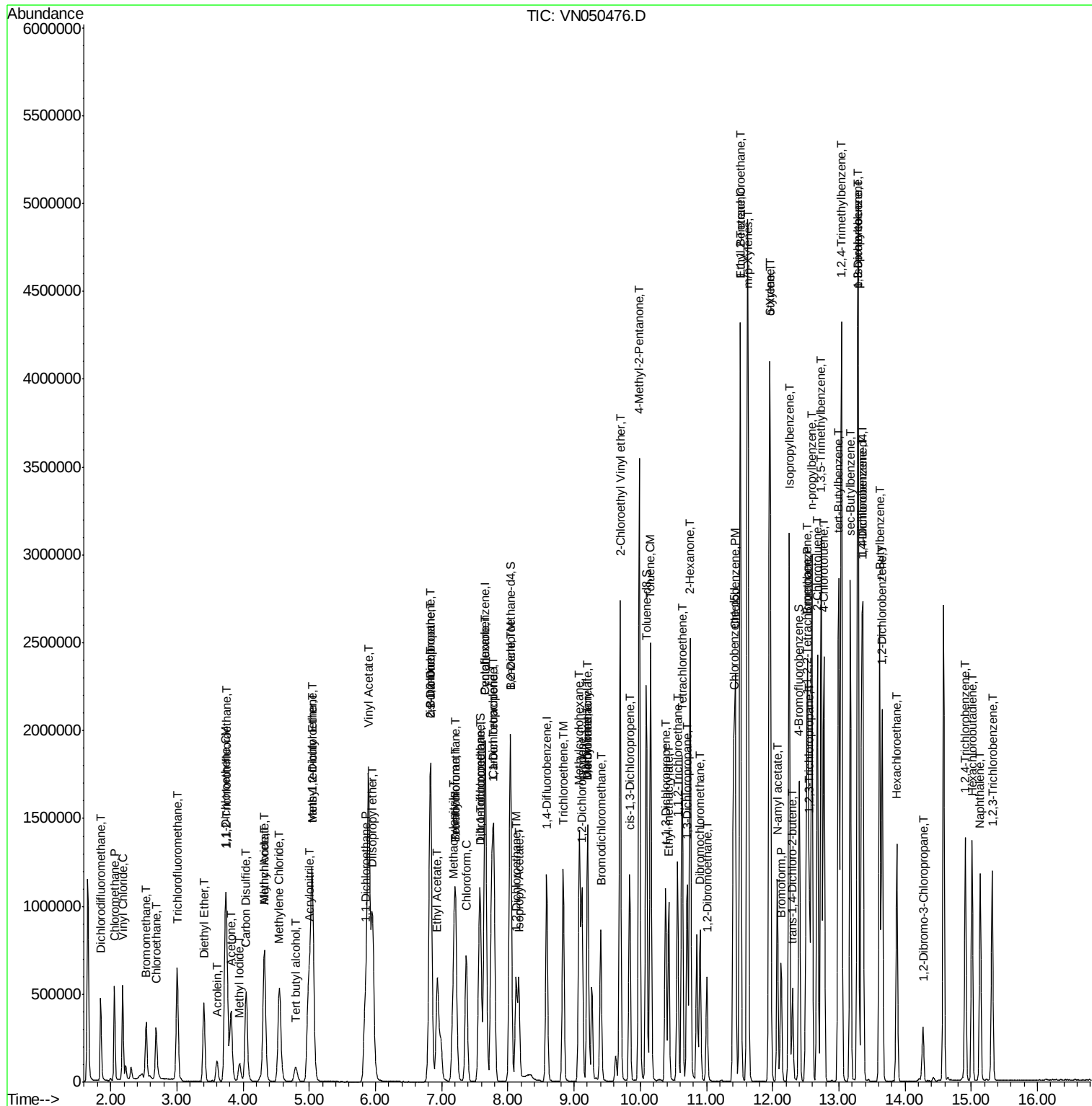
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	486280	47.33	ug/l	98
94) Hexachlorobutadiene	15.01	225	299122	53.41	ug/l	99
95) Naphthalene	15.13	128	1027940	38.67	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	449067	43.23	ug/l	100

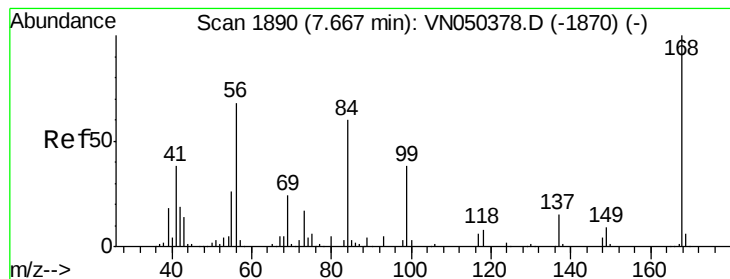
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

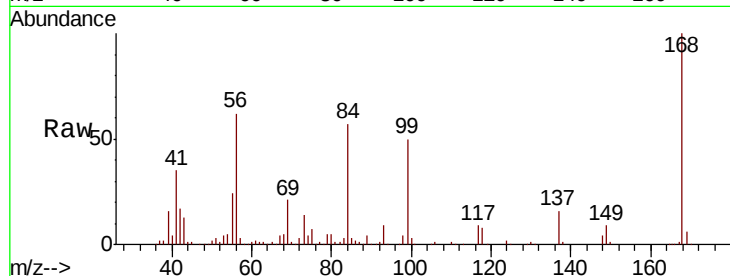
ClientSampled :

Tot Ion:168 Resp: 774328

Ion Ratio Lower Upper

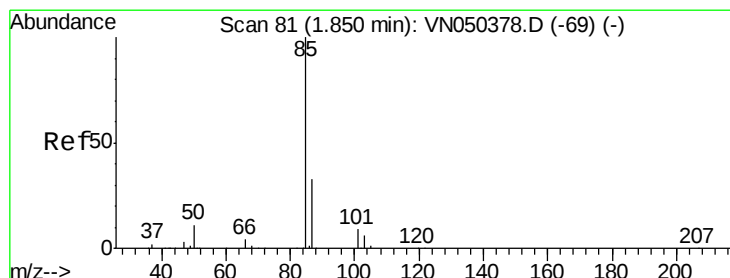
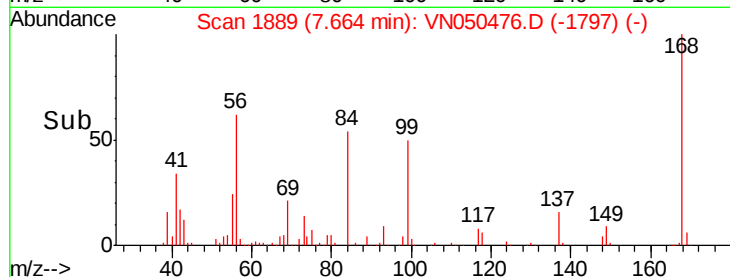
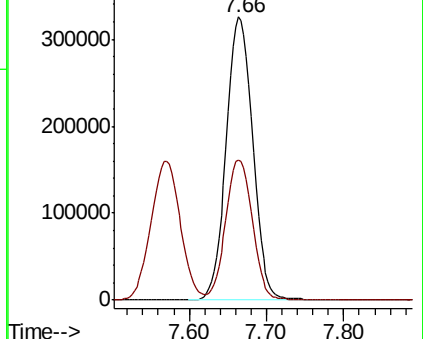
168 100

99 49.6 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 44.02 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050476.D

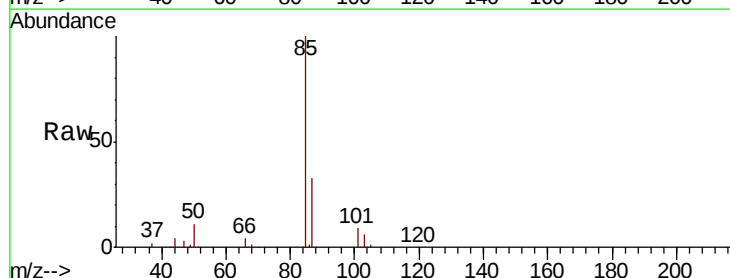
Acq: 9 Aug 2018 11:07

Tgt Ion: 85 Resp: 378345

Ion Ratio Lower Upper

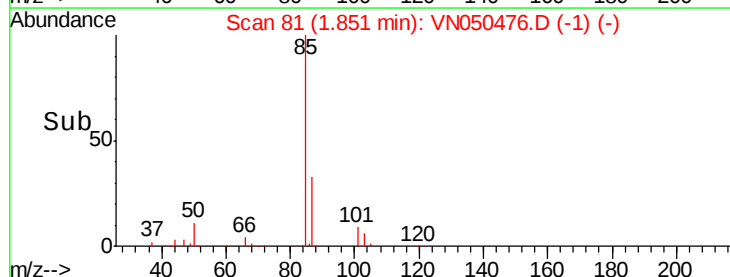
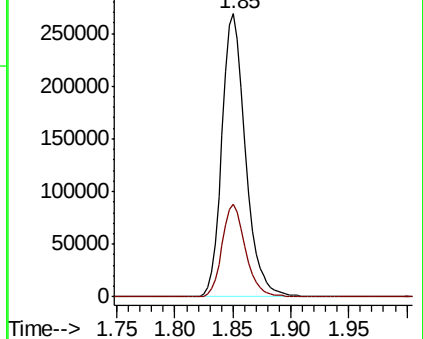
85 100

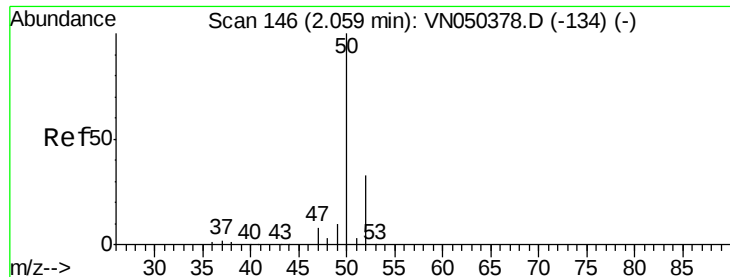
87 32.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 44.71 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

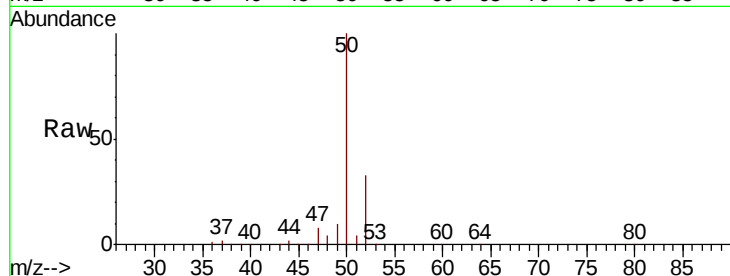
ClientSampled :

Tot Ion: 50 Resp: 455659

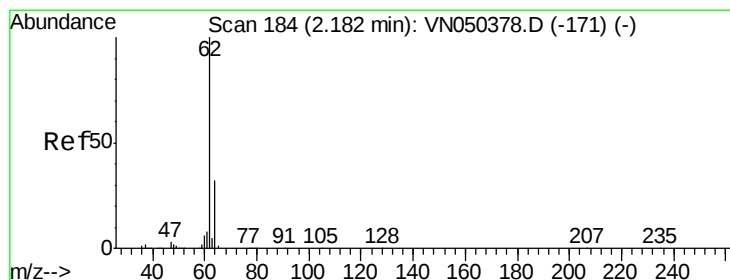
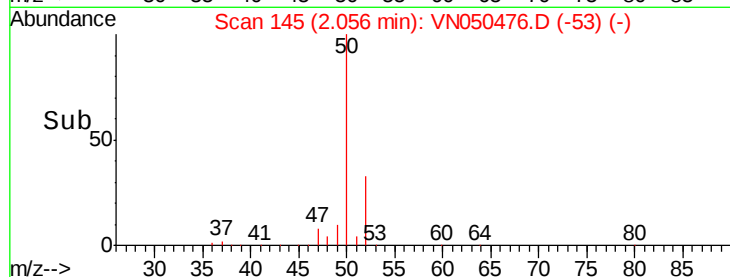
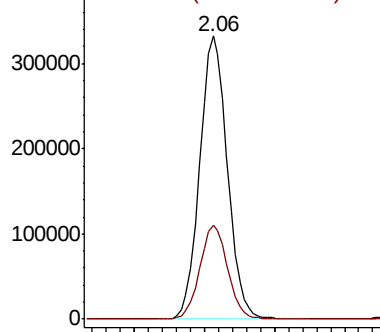
Ion Ratio Lower Upper

50 100

52 33.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 43.58 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050476.D

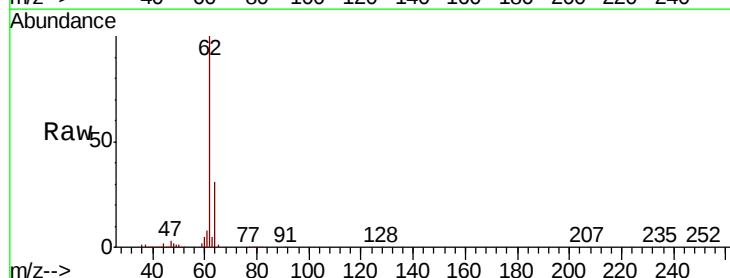
Acq: 9 Aug 2018 11:07

Tgt Ion: 62 Resp: 484904

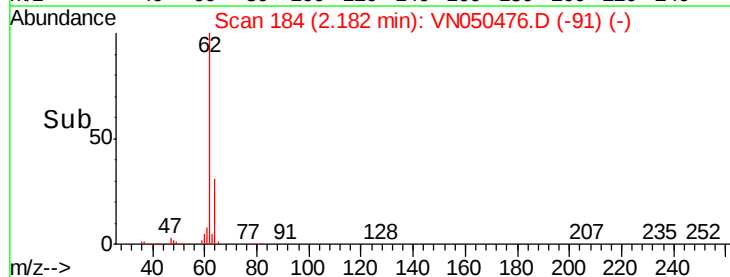
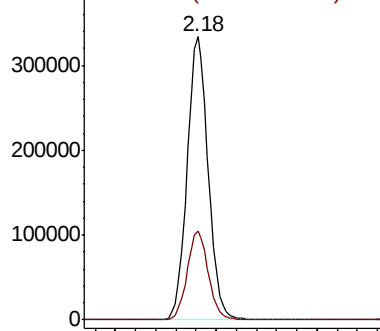
Ion Ratio Lower Upper

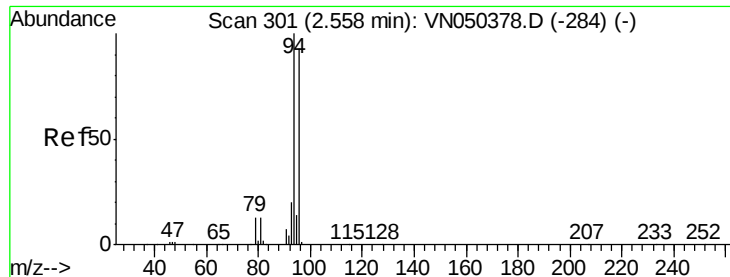
62 100

64 31.3 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 42.15 ug/l

RT: 2.54 min Scan# 294

Delta R.T. -0.02 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

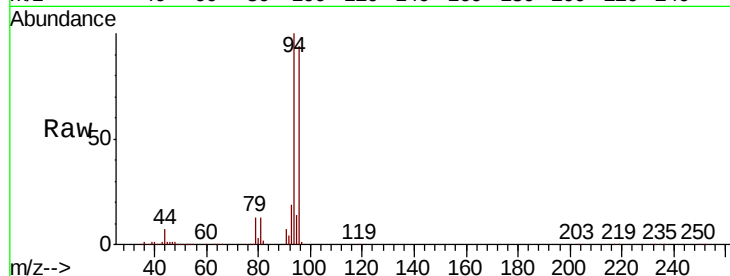
ClientSampled :

Tot Ion: 94 Resp: 227217

Ion Ratio Lower Upper

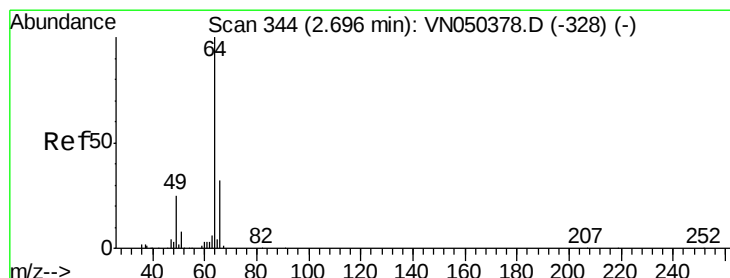
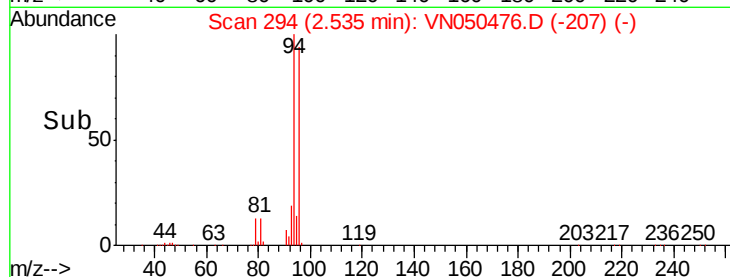
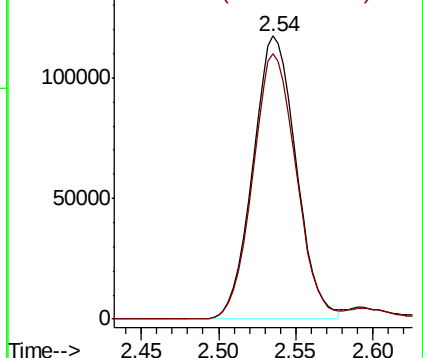
94 100

96 93.7 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 44.61 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VN050476.D

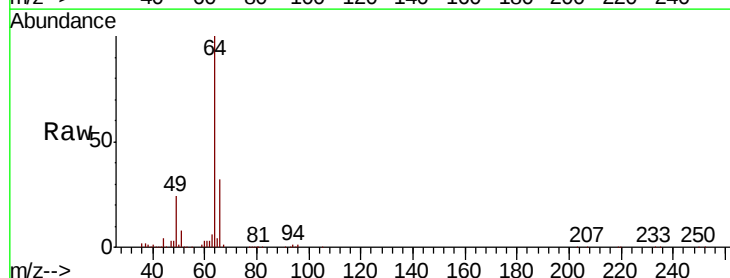
Acq: 9 Aug 2018 11:07

Tgt Ion: 64 Resp: 305785

Ion Ratio Lower Upper

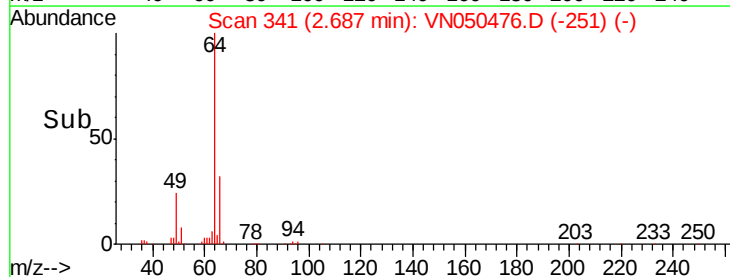
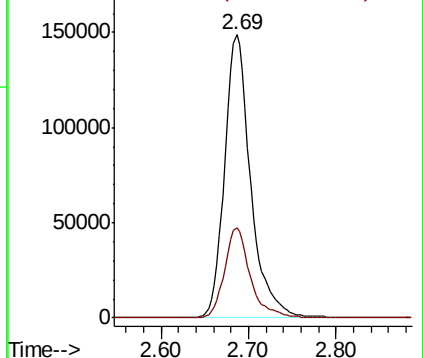
64 100

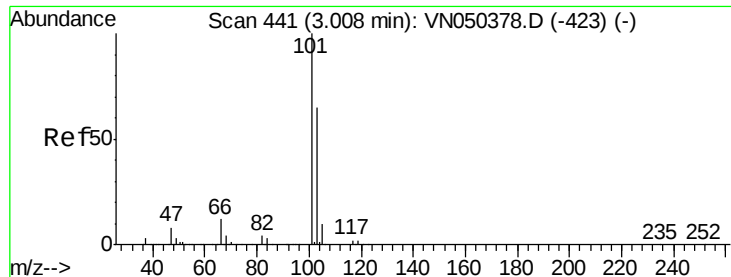
66 31.8 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

Trichlorofluoromethane

Concen: 44.46 ug/l

RT: 3.00 min Scan# 440

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

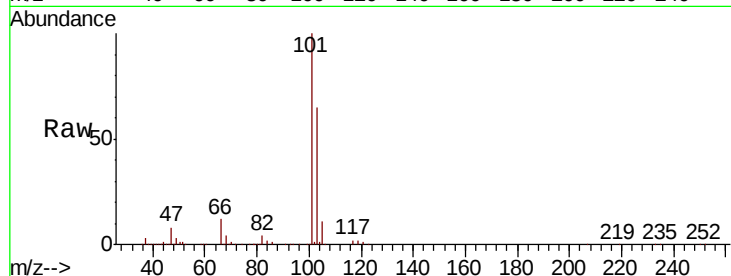
ClientSampleId :

Tot Ion:101 Resp: 638787

Ion Ratio Lower Upper

101 100

103 64.8 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.00

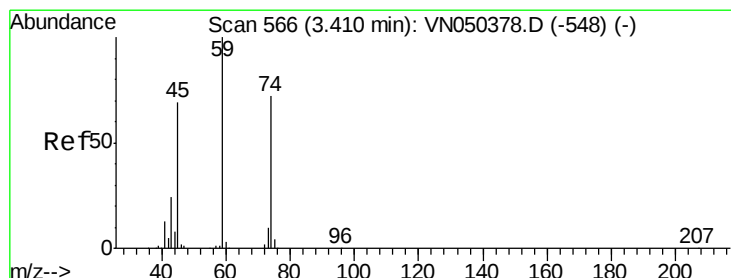
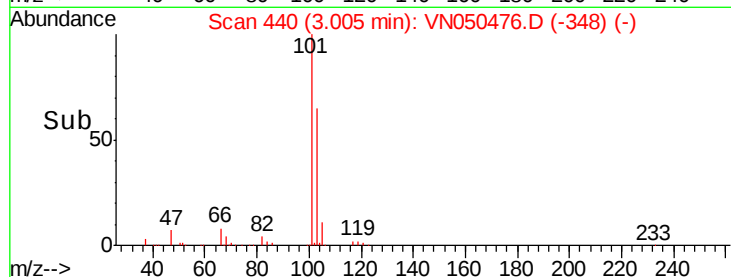
300000

200000

100000

0

Time-->



#8

Diethyl Ether

Concen: 46.17 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN050476.D

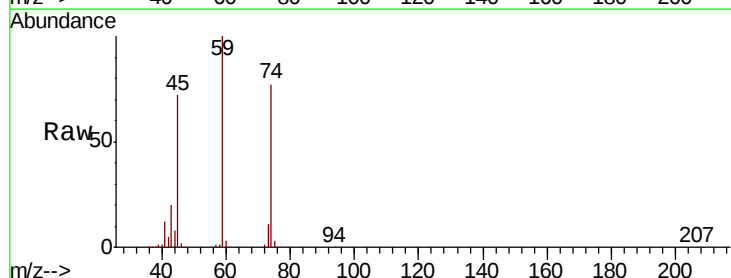
Acq: 9 Aug 2018 11:07

Tgt Ion: 74 Resp: 243293

Ion Ratio Lower Upper

74 100

45 92.4 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.41

120000

100000

80000

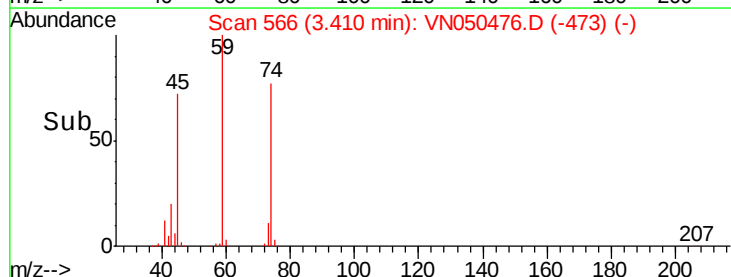
60000

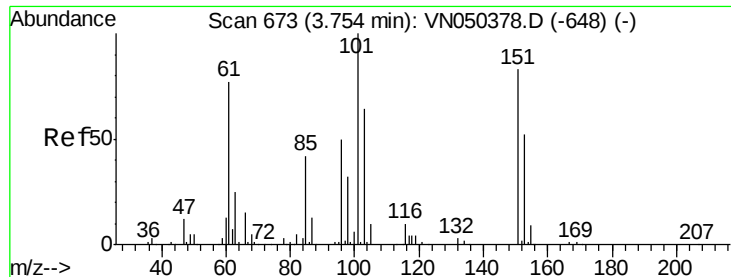
40000

20000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.68 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

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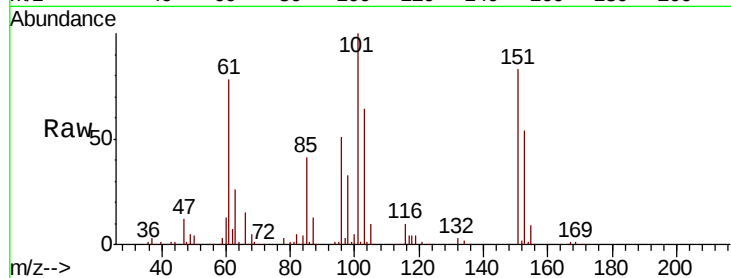
Tot Ion:101 Resp: 405665

Ion Ratio Lower Upper

101 100

85 41.8 34.2 51.2

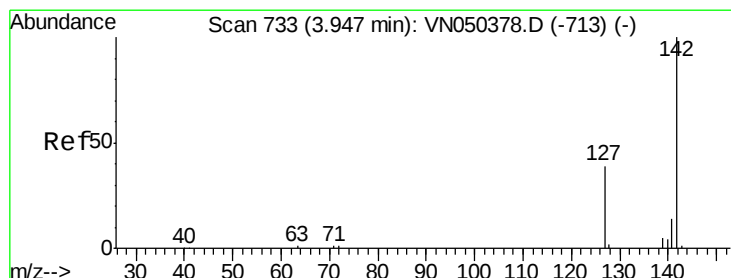
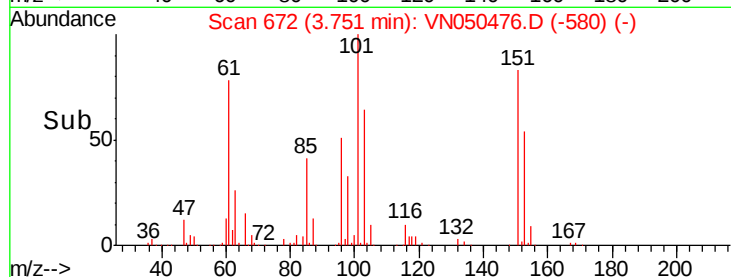
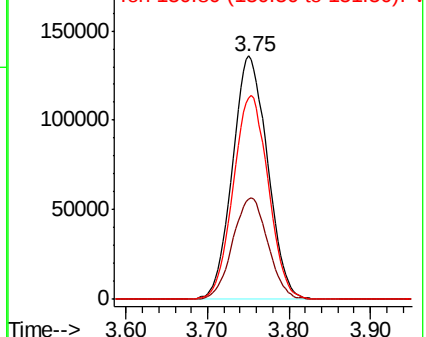
151 83.8 66.3 99.5



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: 45.25 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

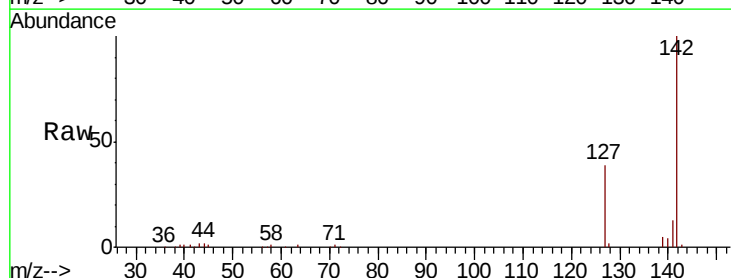
Tgt Ion:142 Resp: 177025

Ion Ratio Lower Upper

142 100

127 38.9 33.4 50.2

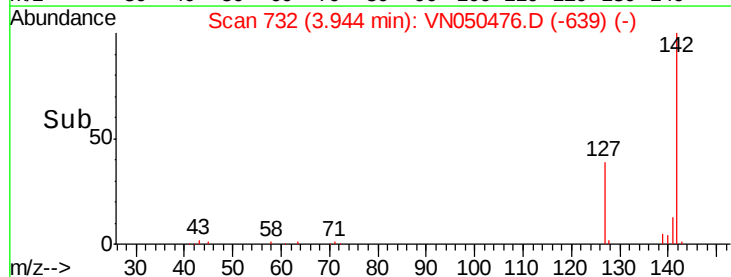
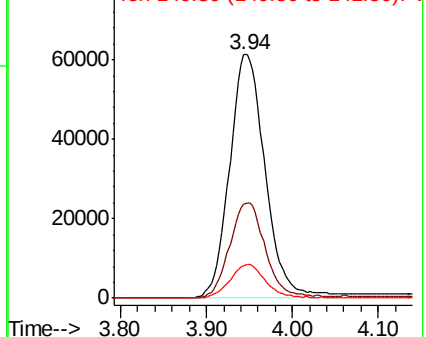
141 13.8 11.6 17.4

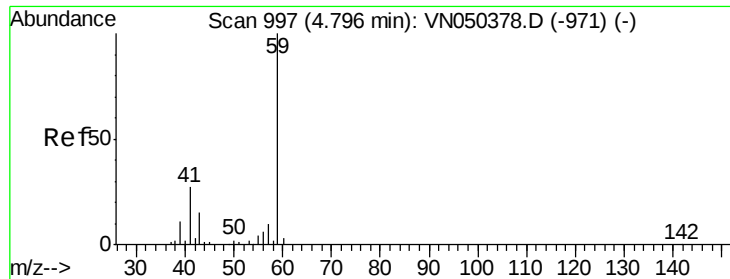


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

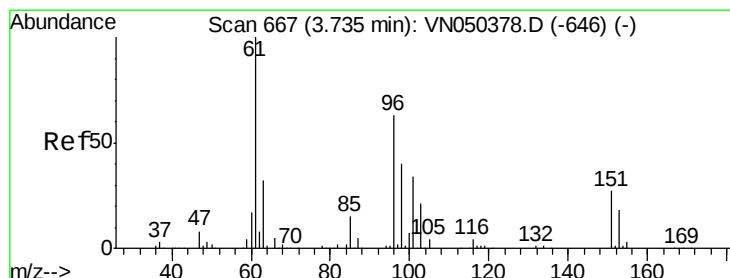
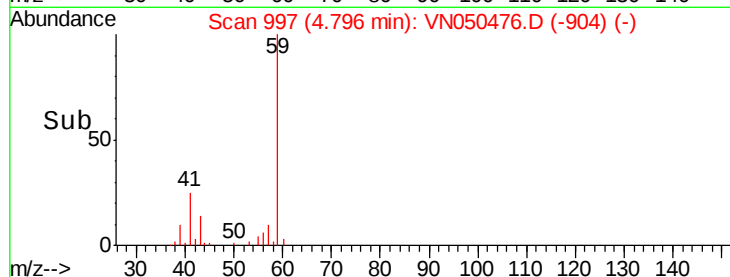
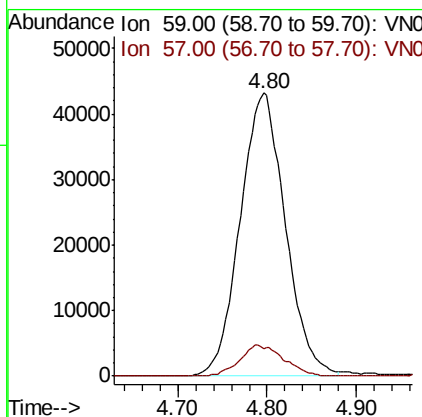
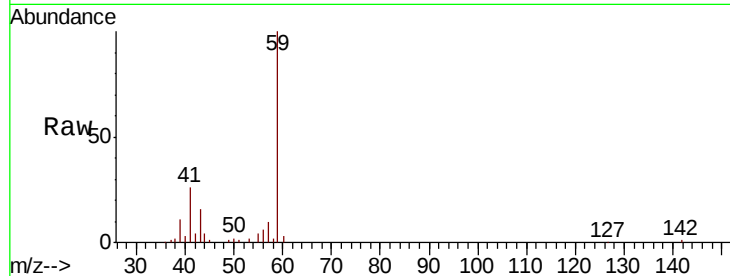




#11
Tert butyl alcohol
Concen: 183.14 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

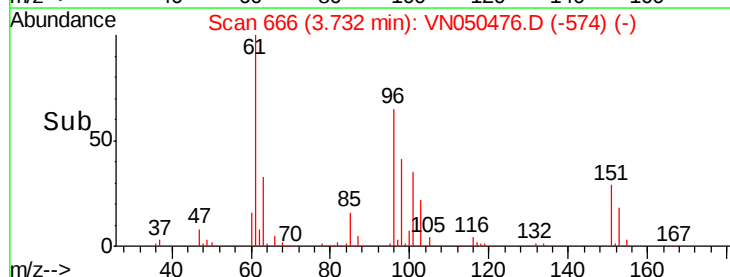
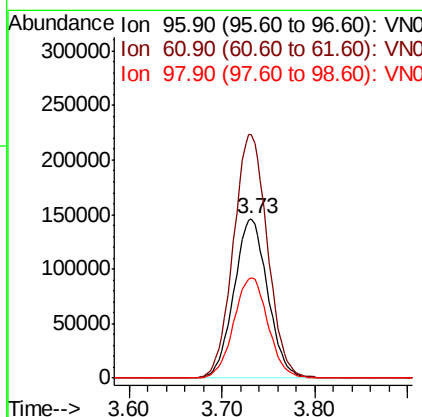
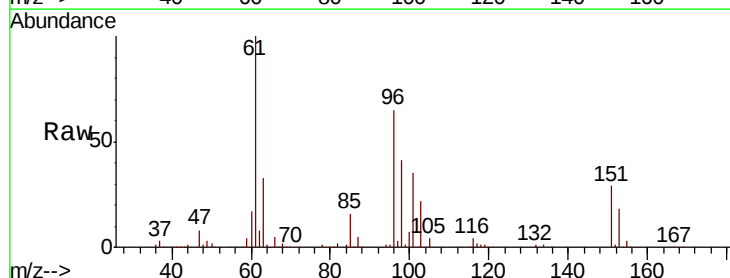
Instrument :
MSVOA_N
ClientSampled :

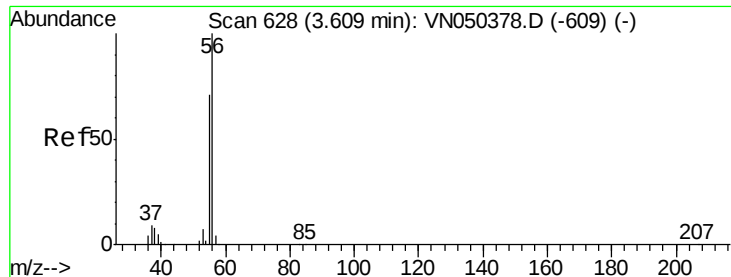
Tot Ion: 59 Resp: 152211
Ion Ratio Lower Upper
59 100
57 10.7 8.5 12.7



#12
1,1-Dichloroethene
Concen: 44.14 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion: 96 Resp: 369467
Ion Ratio Lower Upper
96 100
61 152.8 124.4 186.6
98 63.1 48.3 72.5





#13

Acrolein

Concen: 134.31 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

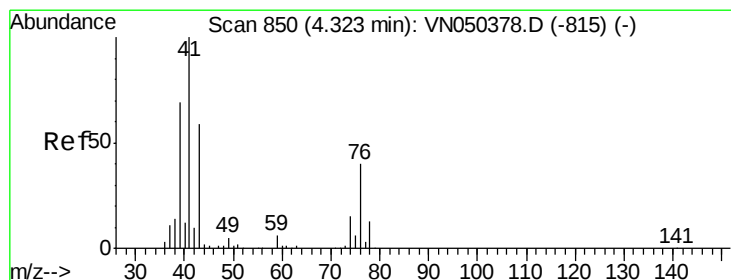
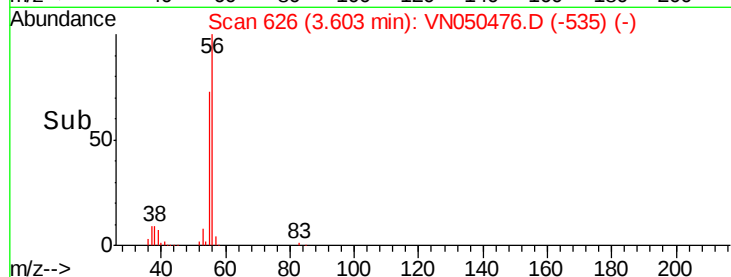
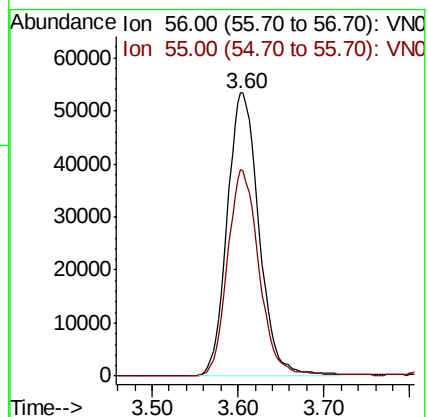
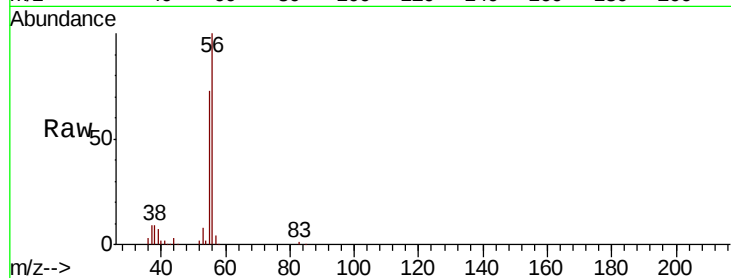
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 137233

Ion Ratio Lower Upper

56 100

55 72.2 55.8 83.6



#14

Allyl chloride

Concen: 43.59 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

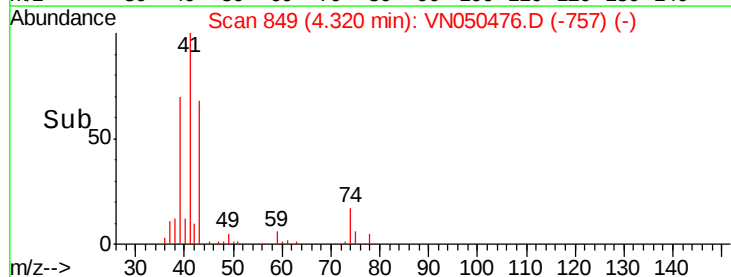
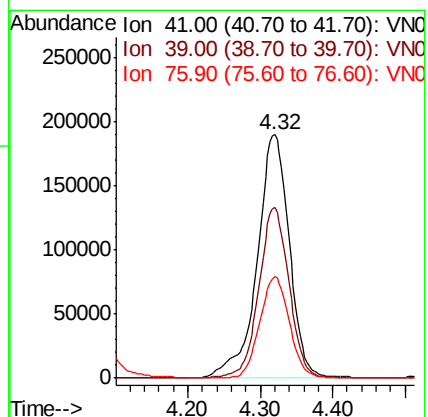
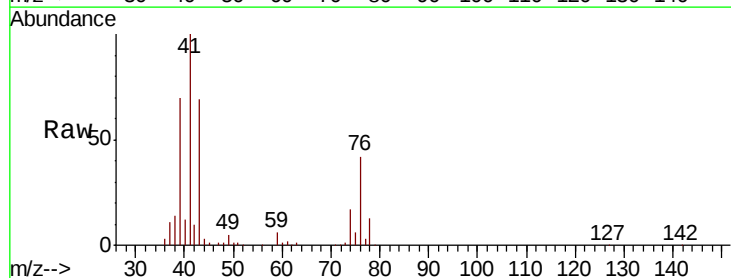
Tgt Ion: 41 Resp: 586071

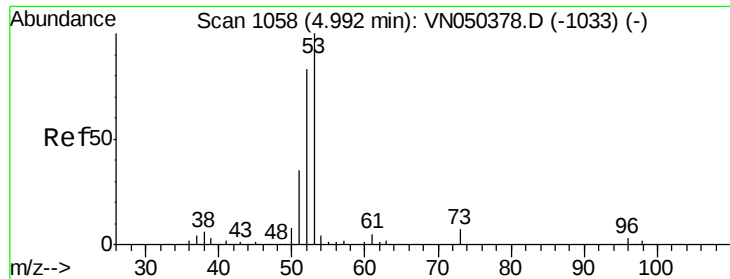
Ion Ratio Lower Upper

41 100

39 66.2 54.2 81.4

76 38.0 29.0 43.6

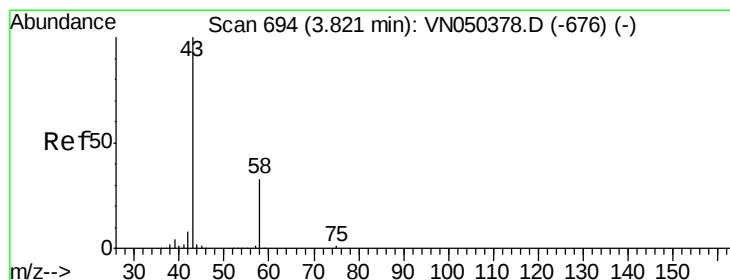
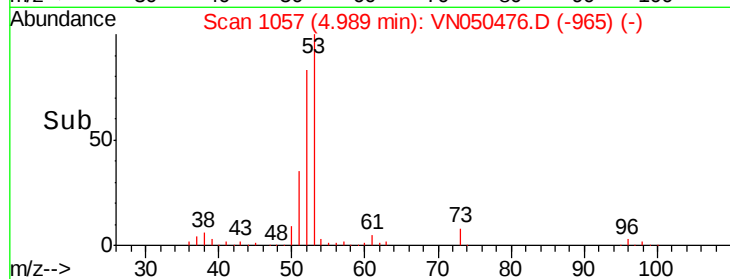
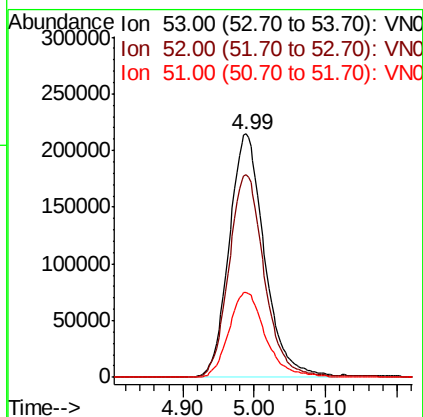
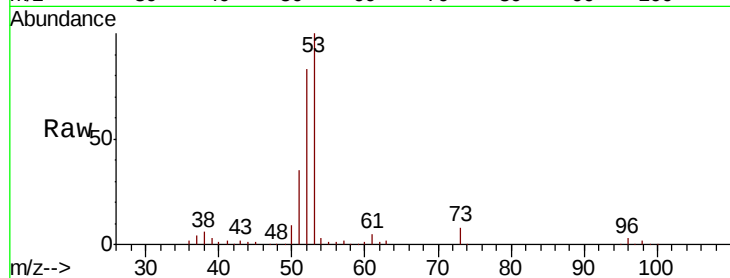




#15
 Acrylonitrile
 Concen: 212.99 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

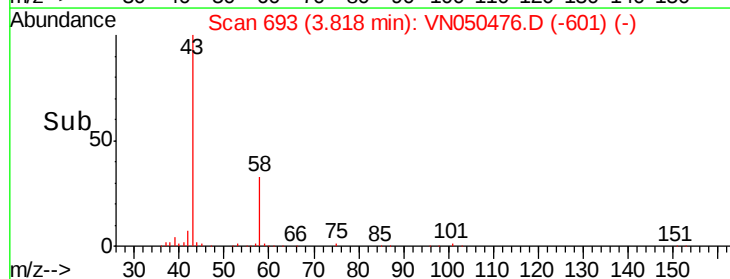
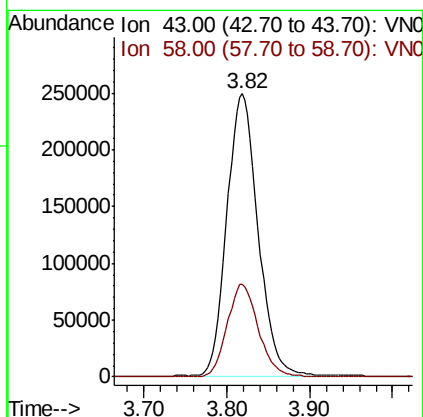
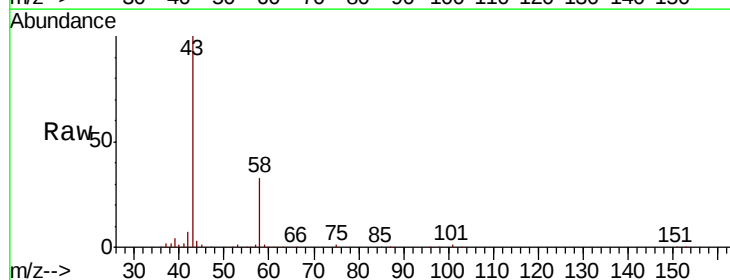
Instrument :
 MSVOA_N
 ClientSampleId :

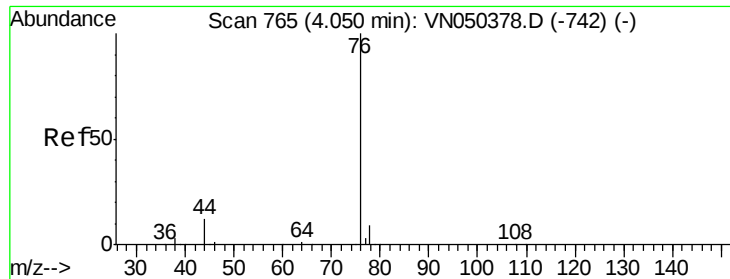
Tot Ion: 53 Resp: 741470
 Ion Ratio Lower Upper
 53 100
 52 83.1 66.2 99.2
 51 36.2 29.3 43.9



#16
 Acetone
 Concen: 209.97 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion: 43 Resp: 648006
 Ion Ratio Lower Upper
 43 100
 58 32.9 25.8 38.8

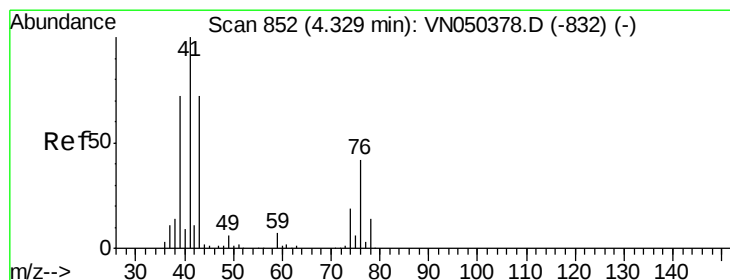
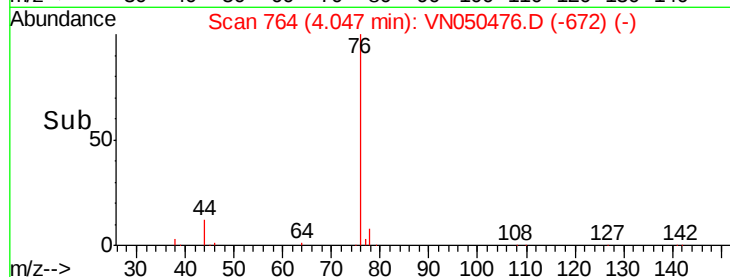
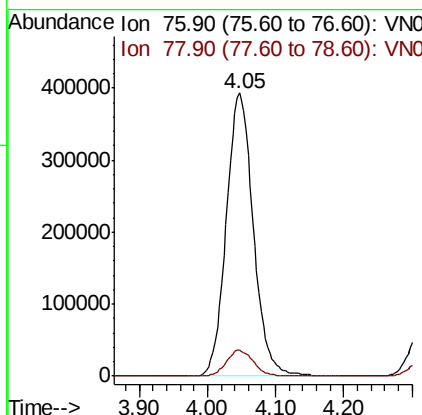
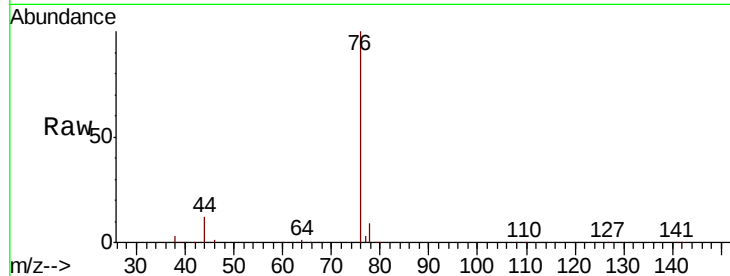




#17
Carbon Disulfide
Concen: 39.72 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

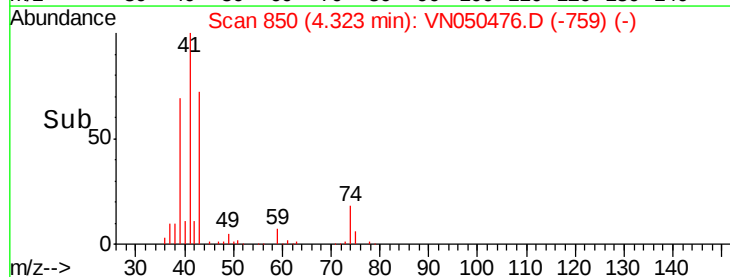
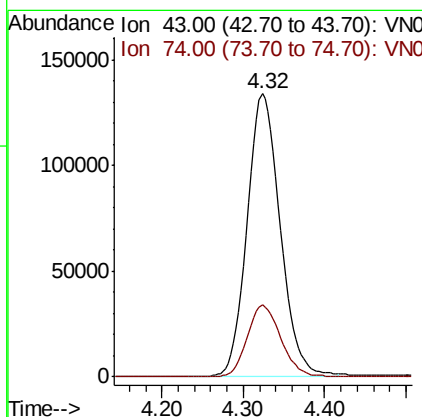
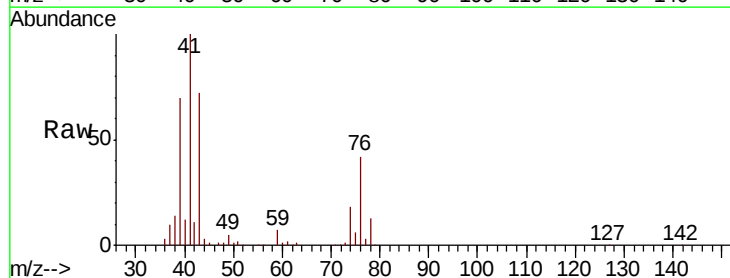
Instrument :
MSVOA_N
ClientSampleId :

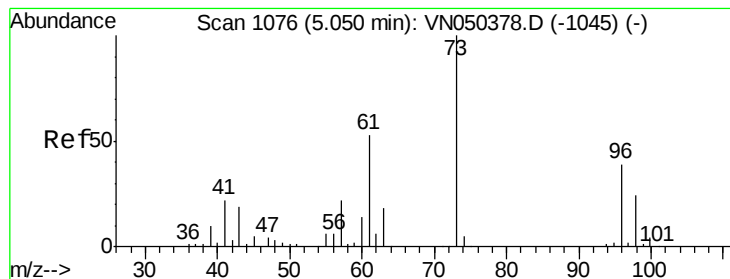
Tot Ion: 76 Resp: 1081204
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 46.32 ug/l
RT: 4.32 min Scan# 850
Delta R.T. -0.01 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion: 43 Resp: 371438
Ion Ratio Lower Upper
43 100
74 26.1 19.2 28.8





#19

Methvl tert-butvl Ether

Concen: 46.63 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

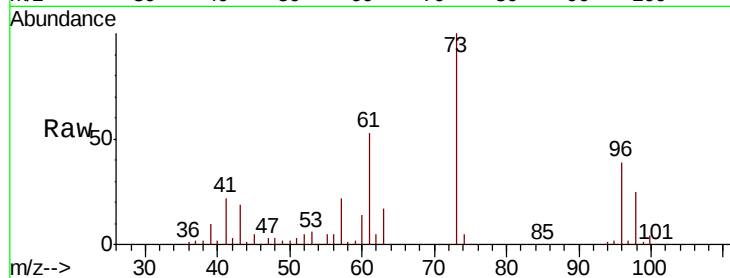
ClientSampleId :

Tot Ion: 73 Resp: 1107891

Ion Ratio Lower Upper

73 100

57 22.3 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VN050378.D (-1045) (-)

Ion 57.00 (56.70 to 57.70): VN050378.D (-1045) (-)

5.05

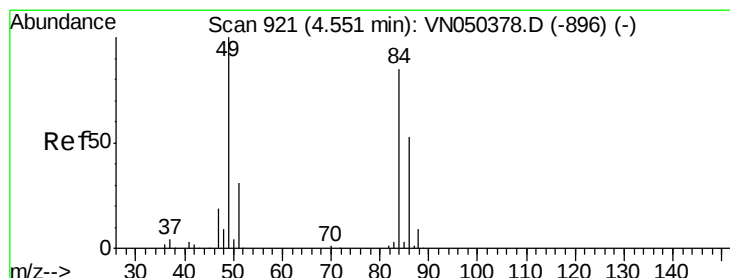
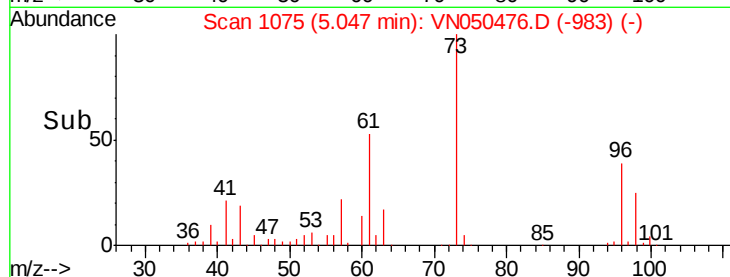
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 46.52 ug/l

RT: 4.55 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Tgt Ion: 84 Resp: 439981

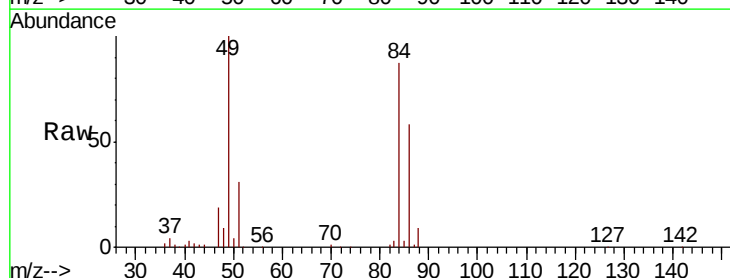
Ion Ratio Lower Upper

84 100

49 114.9 94.8 142.2

51 35.7 28.3 42.5

86 66.1 51.0 76.6



Abundance Ion 83.90 (83.60 to 84.60): VN050378.D (-896) (-)

Ion 48.90 (48.60 to 49.60): VN050378.D (-896) (-)

Ion 50.90 (50.60 to 51.60): VN050378.D (-896) (-)

Ion 85.90 (85.60 to 86.60): VN050378.D (-896) (-)

4.55

250000

200000

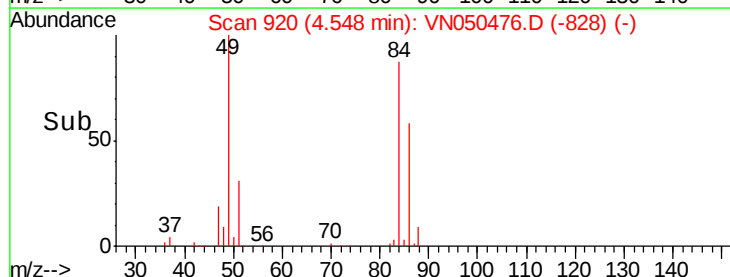
150000

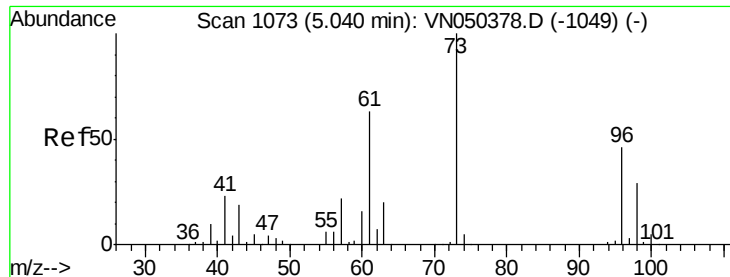
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 44.34 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :
MSVOA_N
ClientSampled :

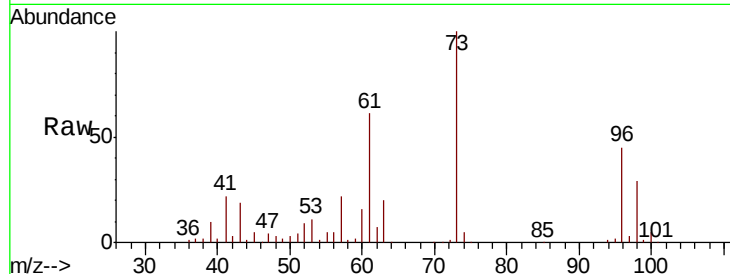
Tot Ion: 96 Resp: 401708

Ion Ratio Lower Upper

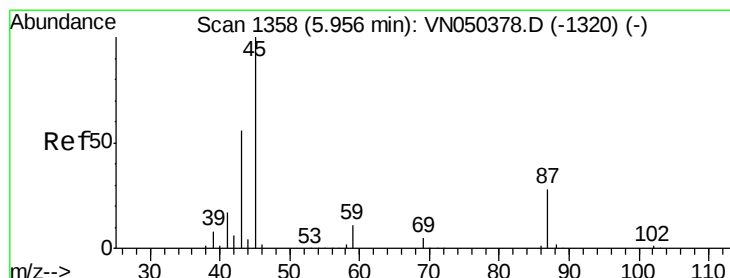
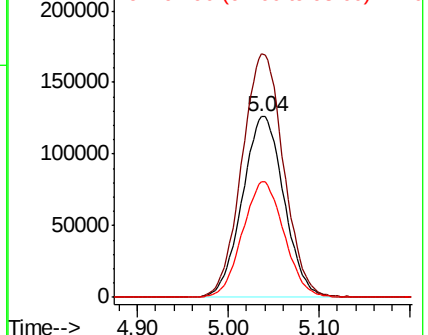
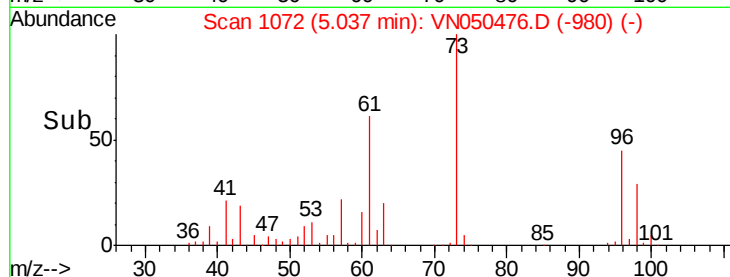
96 100

61 134.9 110.7 166.1

98 64.2 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: 47.25 ug/l

RT: 5.95 min Scan# 1357

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Tgt Ion: 45 Resp: 1297677

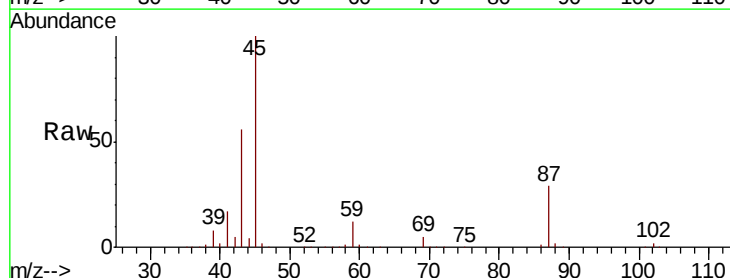
Ion Ratio Lower Upper

45 100

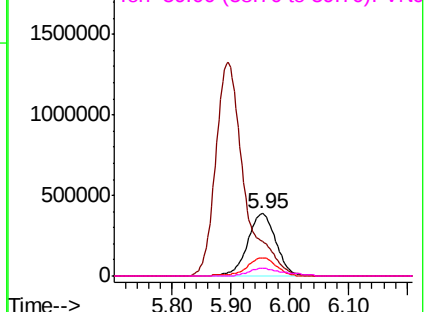
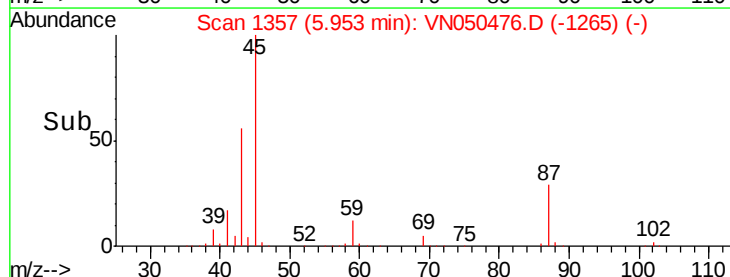
43 55.2 45.7 68.5

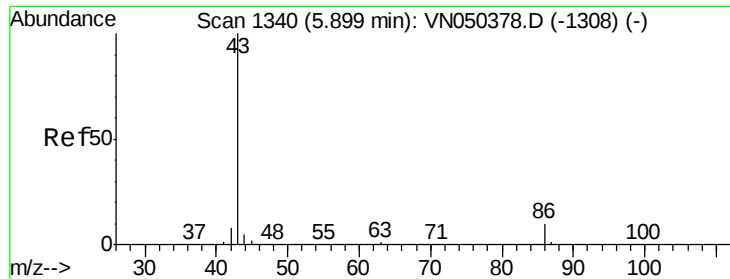
87 29.3 22.7 34.1

59 12.0 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

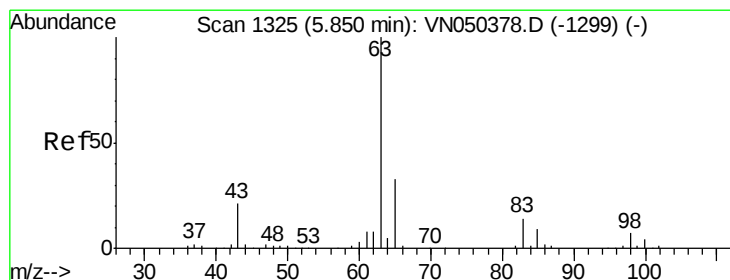
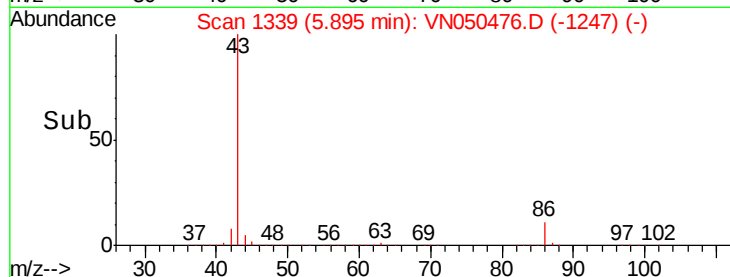
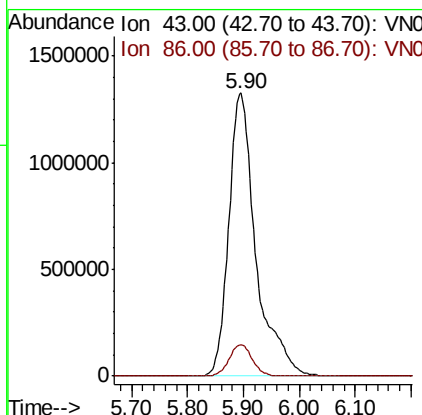
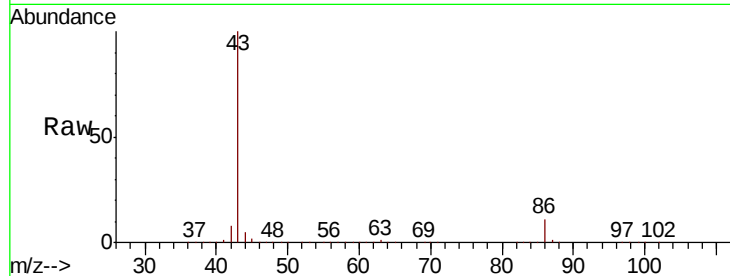




#23
 Vinyl Acetate
 Concen: 228.45 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

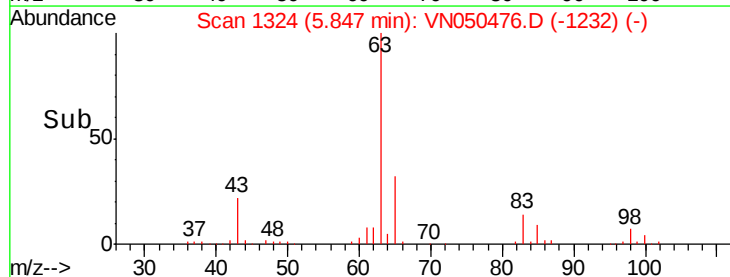
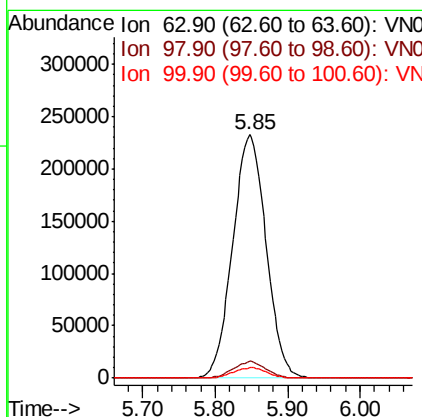
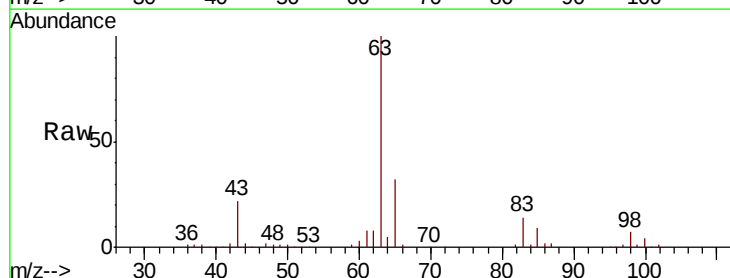
Instrument :
 MSVOA_N
 ClientSampled :

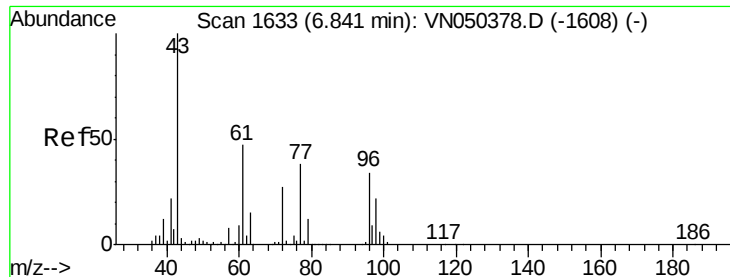
Tot Ion: 43 Resp: 4476317
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 44.29 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion: 63 Resp: 746264
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.8
 100 4.3 2.1 6.3

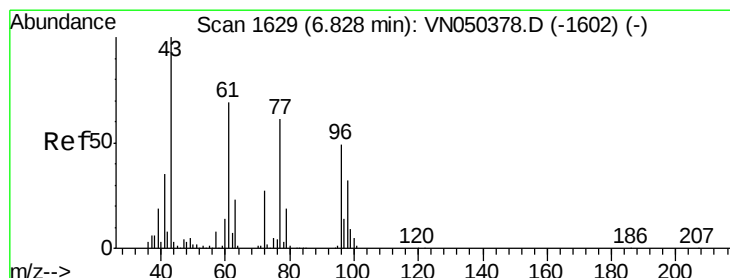
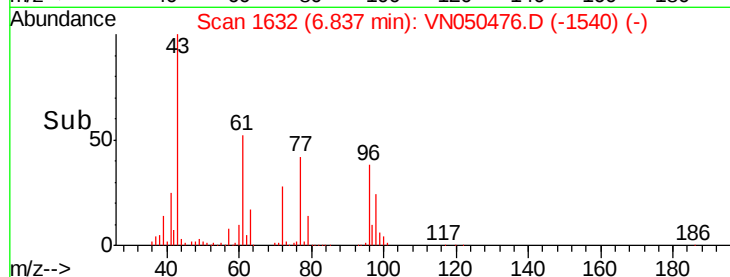
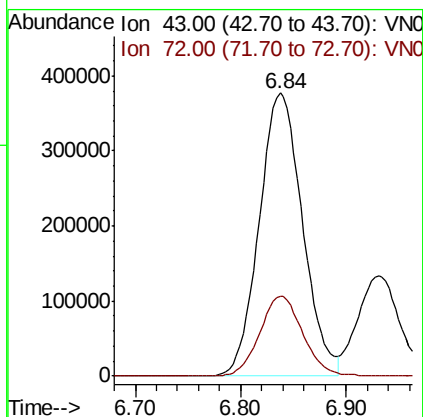
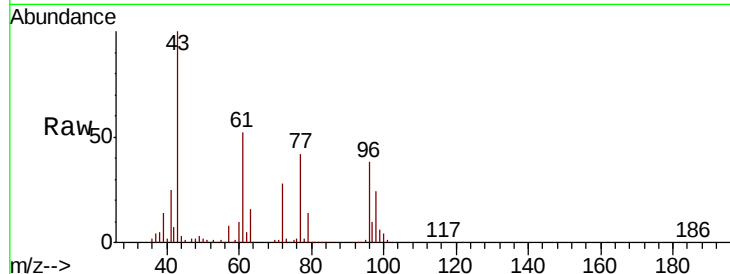




#25
2-Butanone
Concen: 209.25 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

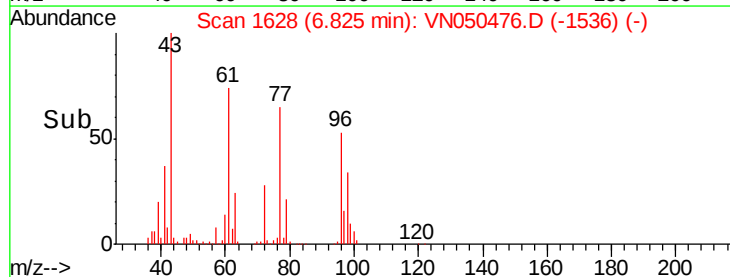
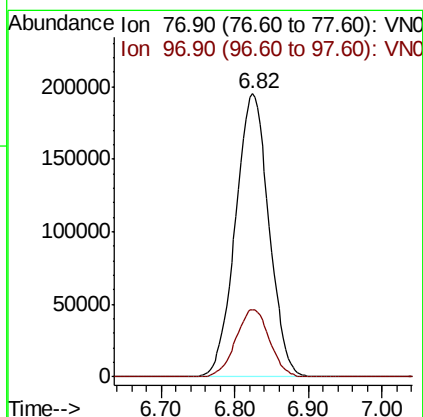
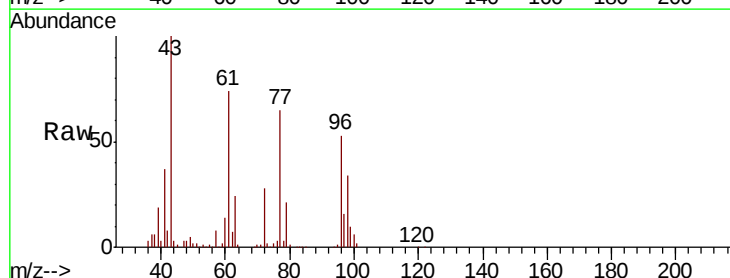
Instrument :
MSVOA_N
ClientSampled :

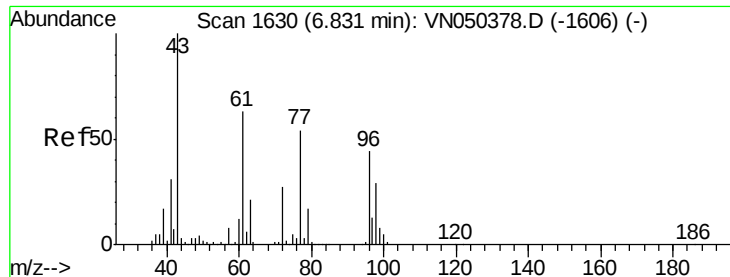
Tot Ion: 43 Resp: 1072736
Ion Ratio Lower Upper
43 100
72 28.3 21.5 32.3



#26
2,2-Dichloropropane
Concen: 44.43 ug/l
RT: 6.82 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion: 77 Resp: 617225
Ion Ratio Lower Upper
77 100
97 24.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.86 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :
MSVOA_N
ClientSampled :

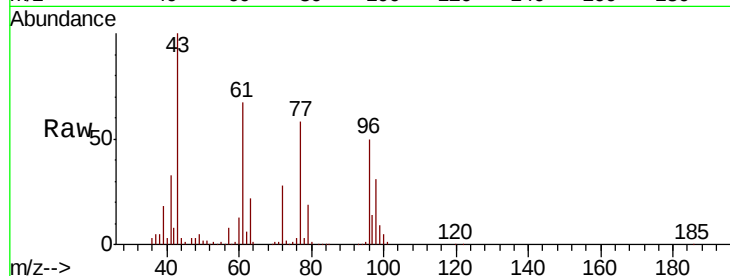
Tot Ion: 96 Resp: 470474

Ion Ratio Lower Upper

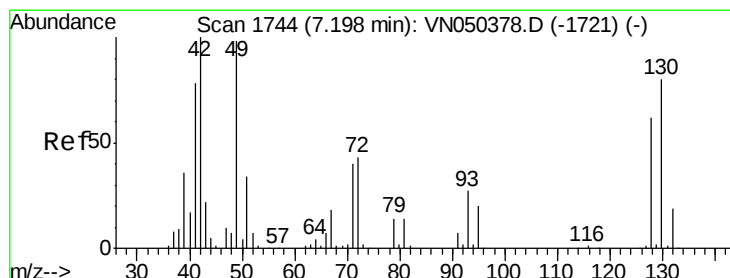
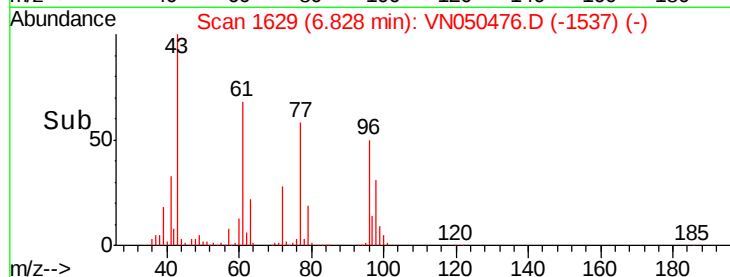
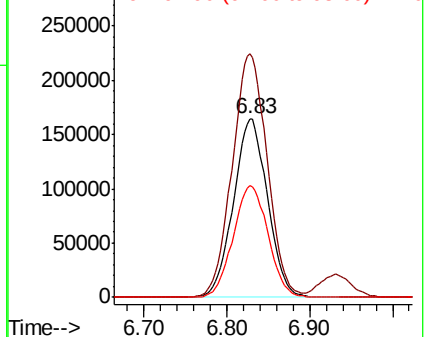
96 100

61 139.7 0.0 285.0

98 64.0 0.0 129.2



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: 45.82 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

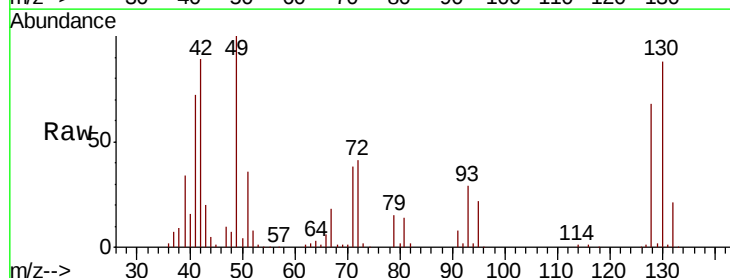
Tgt Ion: 49 Resp: 355443

Ion Ratio Lower Upper

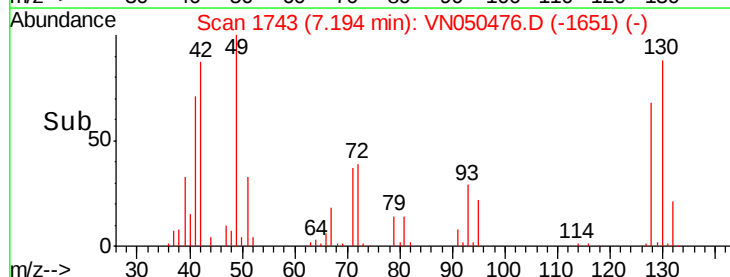
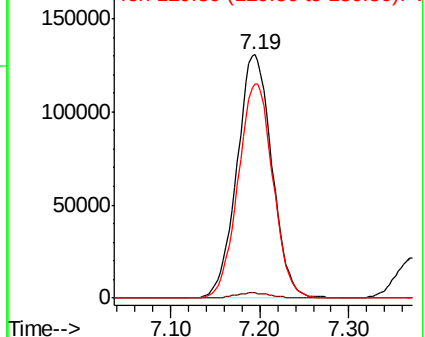
49 100

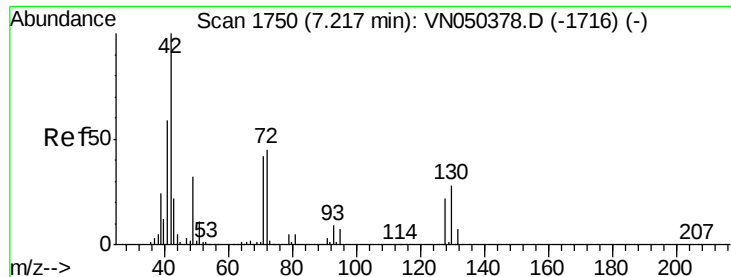
129 2.2 0.0 4.0

130 87.4 66.3 99.5



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: 200.12 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :
MSVOA_N
ClientSampled :

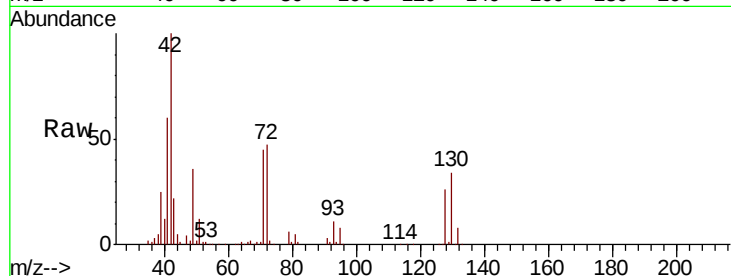
Tot Ion: 42 Resp: 549142

Ion Ratio Lower Upper

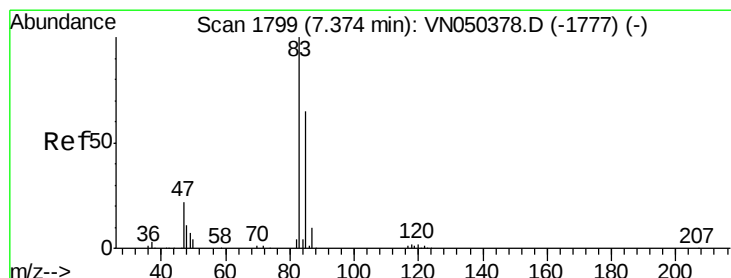
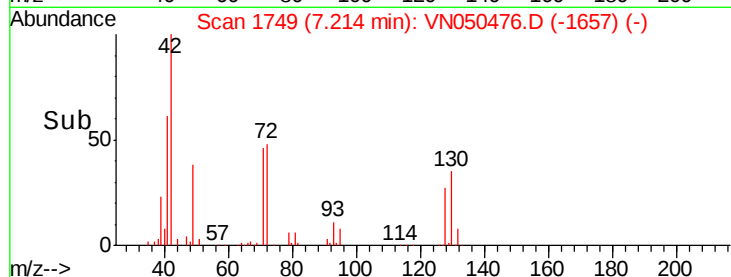
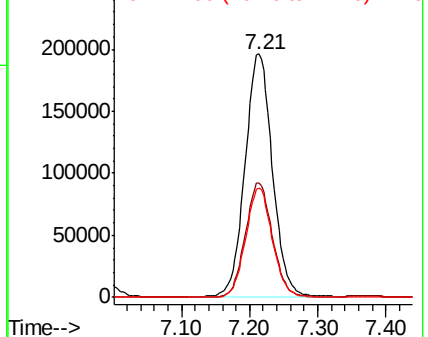
42 100

72 46.0 35.9 53.9

71 43.5 33.7 50.5



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: 45.69 ug/l

RT: 7.37 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN050476.D

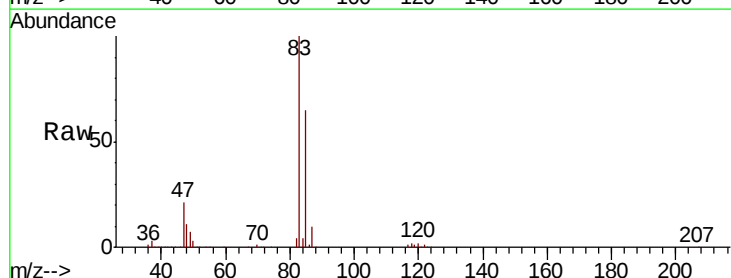
Acq: 9 Aug 2018 11:07

Tgt Ion: 83 Resp: 769683

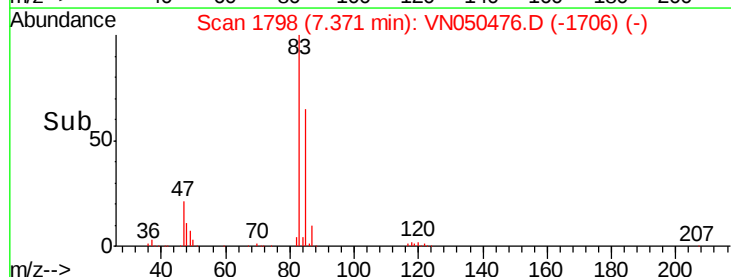
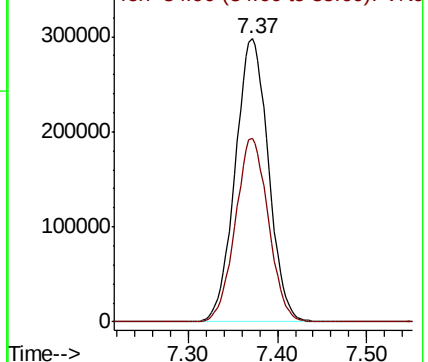
Ion Ratio Lower Upper

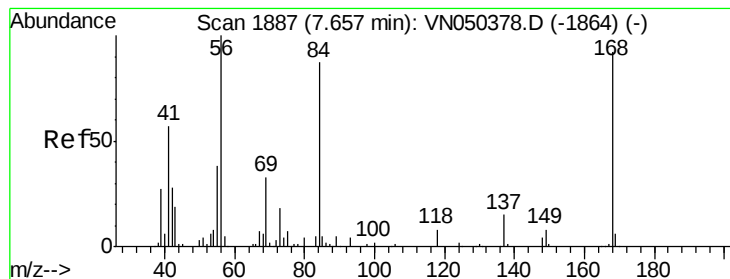
83 100

85 64.9 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: 44.10 ug/l

RT: 7.65 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :
MSVOA_N
ClientSampled :

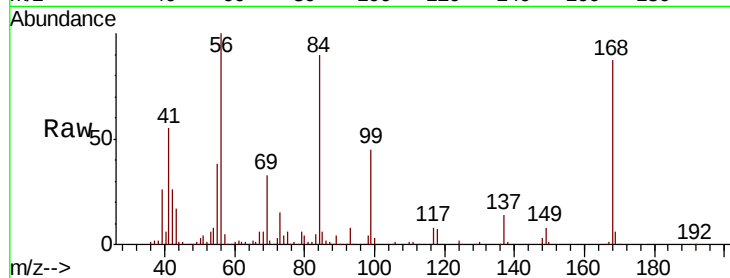
Tot Ion: 56 Resp: 655169

Ion Ratio Lower Upper

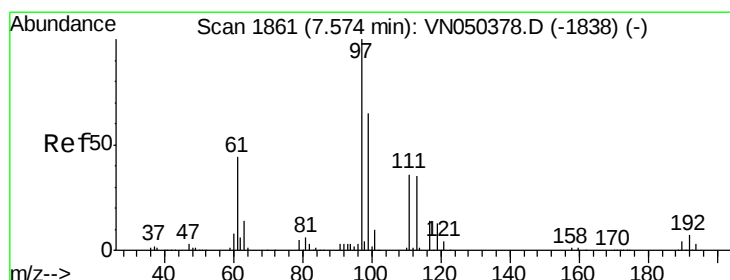
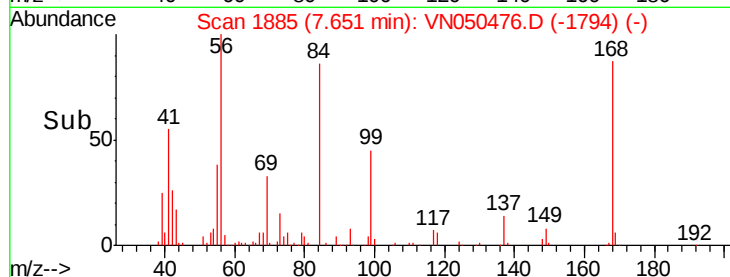
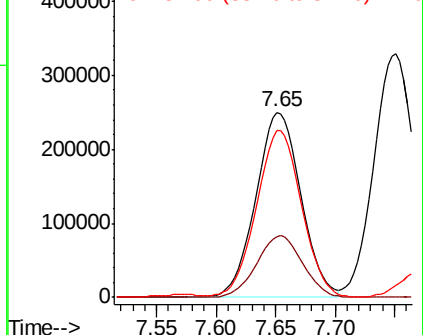
56 100

69 33.0 26.2 39.4

84 88.9 67.4 101.0



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: 45.34 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

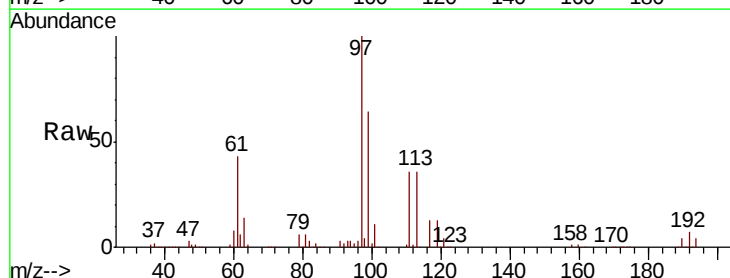
Tgt Ion: 97 Resp: 655951

Ion Ratio Lower Upper

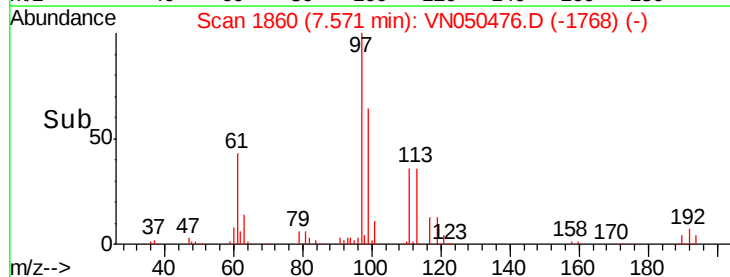
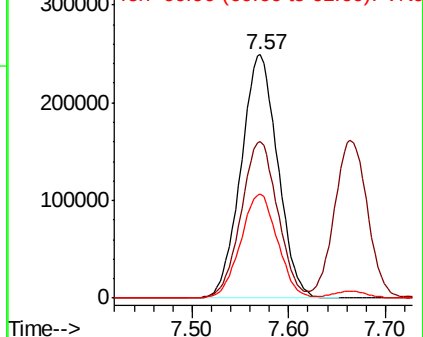
97 100

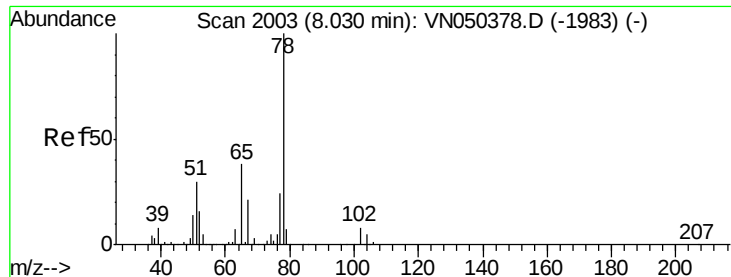
99 64.3 51.4 77.0

61 43.0 35.4 53.0



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

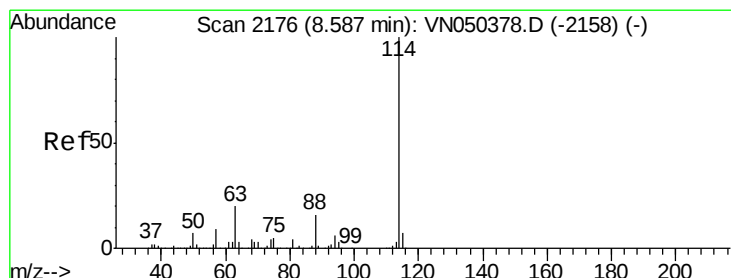
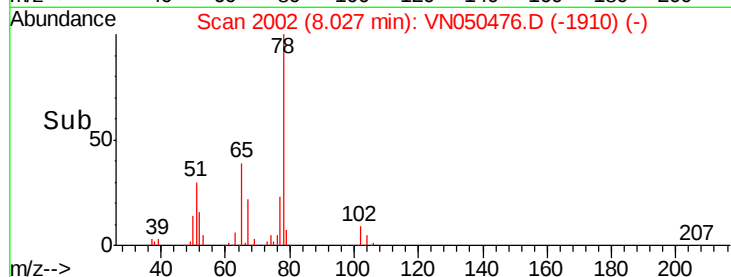
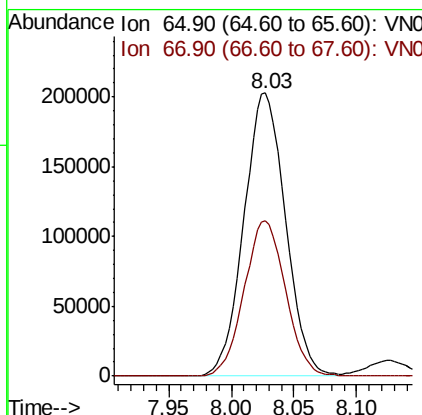
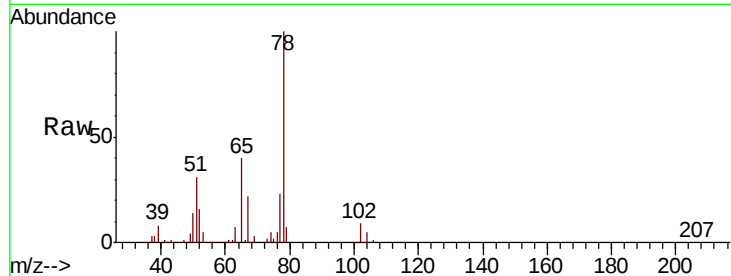




#33
 1,2-Dichloroethane-d4
 Concen: 45.31 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

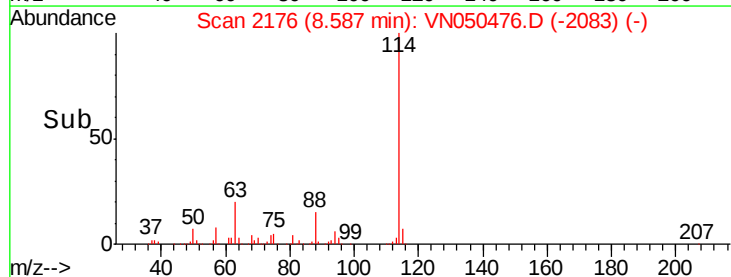
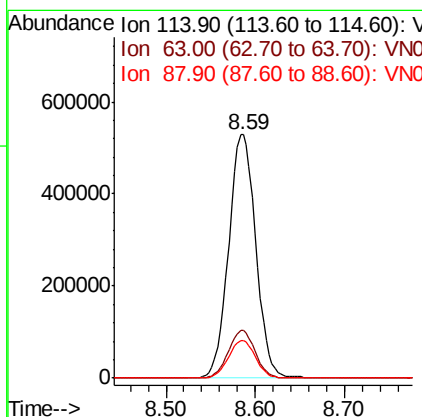
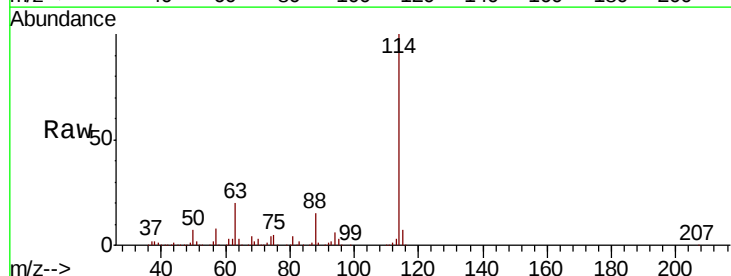
Instrument :
 MSVOA_N
 ClientSampleId :

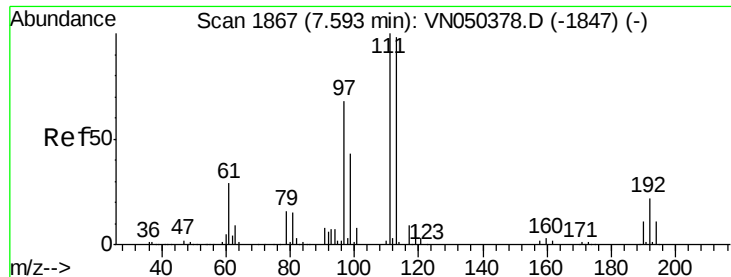
Tot Ion: 65 Resp: 468717
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion: 114 Resp: 1112020
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.5 0.0 31.2

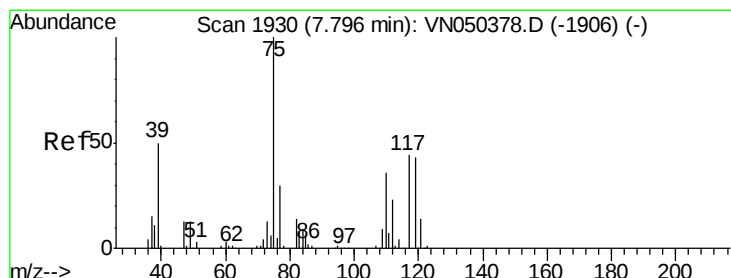
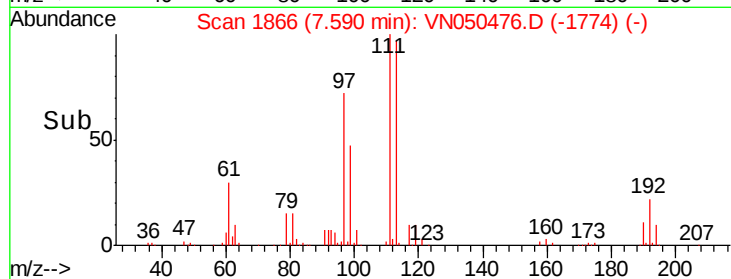
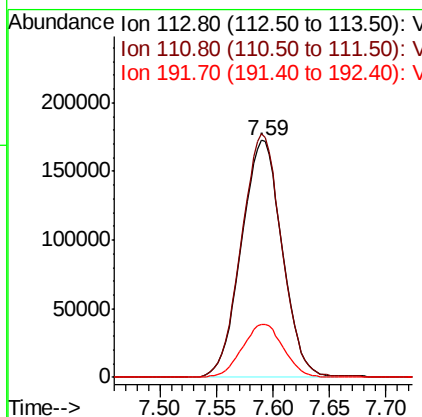
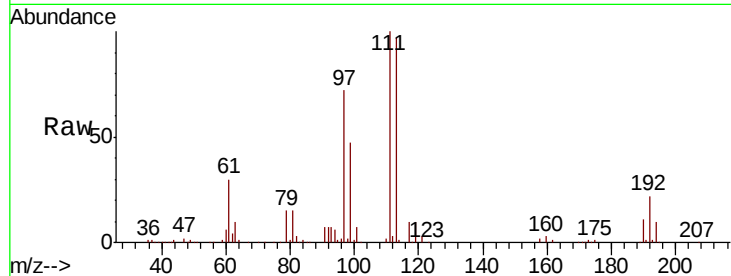




#35
 Dibromofluoromethane
 Concen: 48.42 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

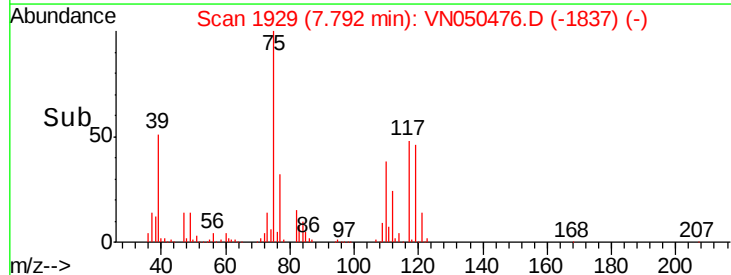
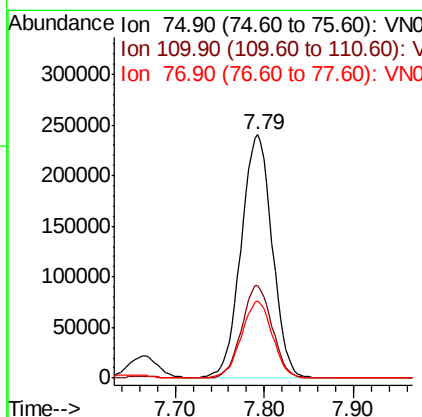
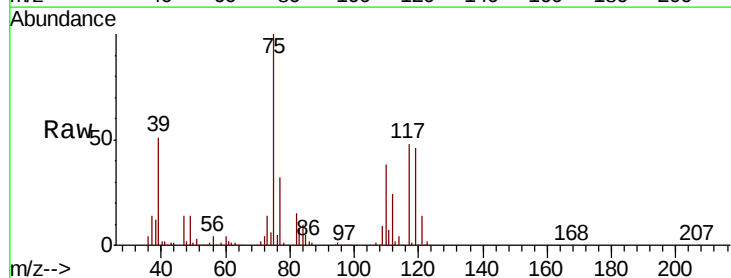
Instrument :
 MSVOA_N
 ClientSampleId :

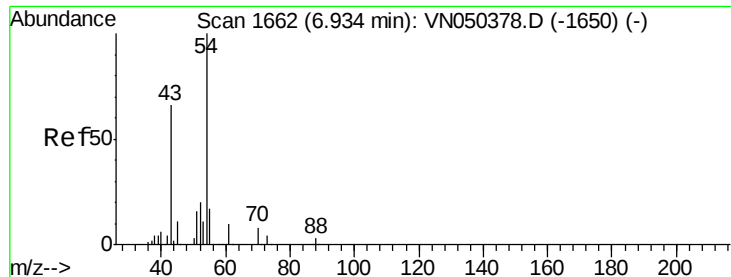
Tot Ion:113 Resp: 432066
 Ion Ratio Lower Upper
 113 100
 111 101.9 80.7 121.1
 192 22.7 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 47.57 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion: 75 Resp: 581206
 Ion Ratio Lower Upper
 75 100
 110 37.3 18.4 55.2
 77 31.6 25.3 37.9

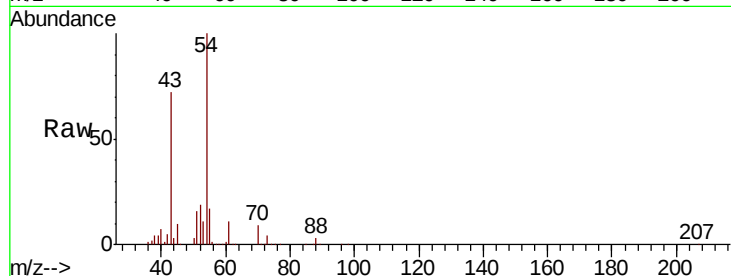




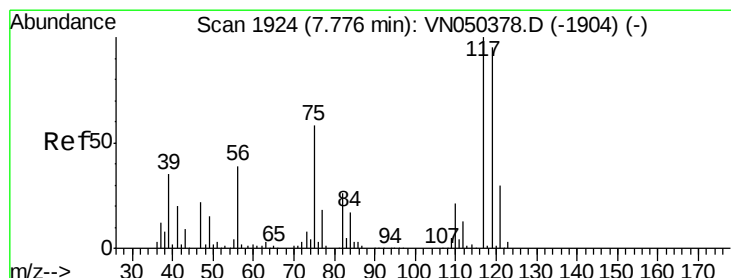
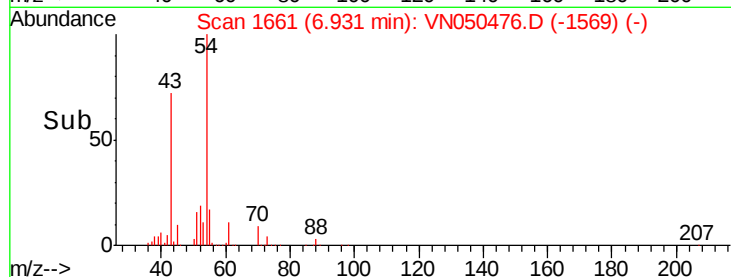
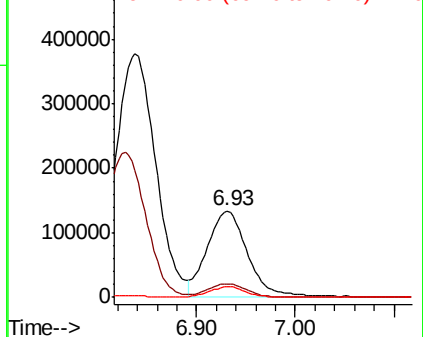
#37
Ethyl Acetate
Concen: 42.87 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 377175
Ion Ratio Lower Upper
43 100
61 15.1 11.8 17.8
70 11.4 8.4 12.6

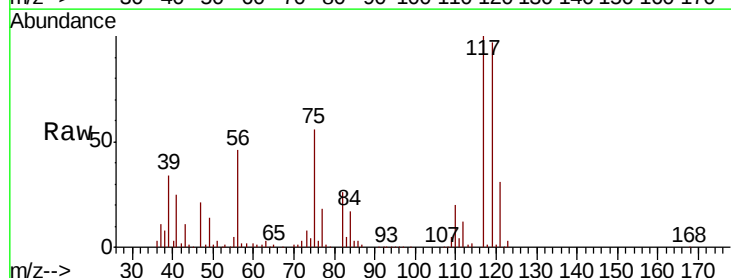


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

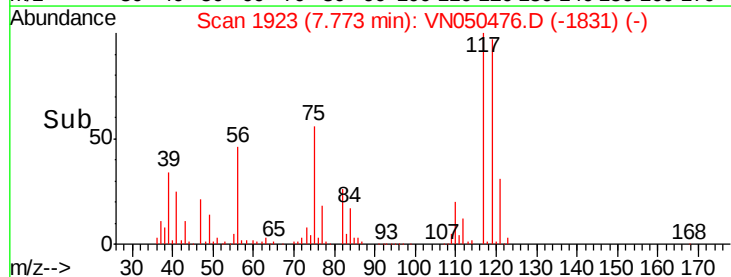
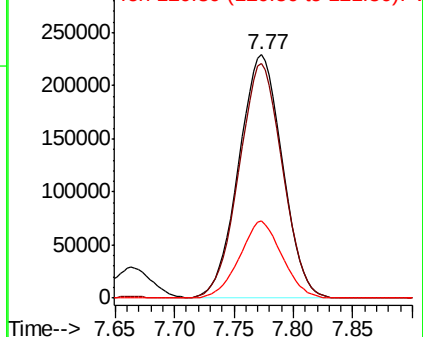


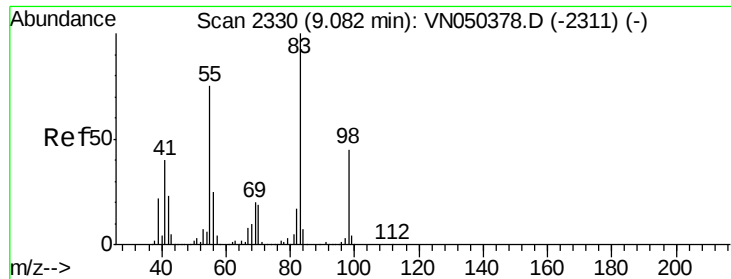
#38
Carbon Tetrachloride
Concen: 45.57 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion: 117 Resp: 580796
Ion Ratio Lower Upper
117 100
119 96.6 77.4 116.0
121 31.5 23.9 35.9



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

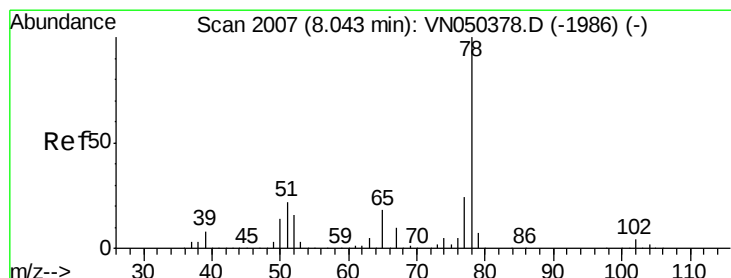
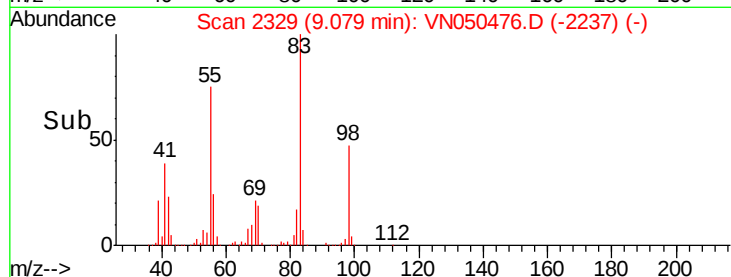
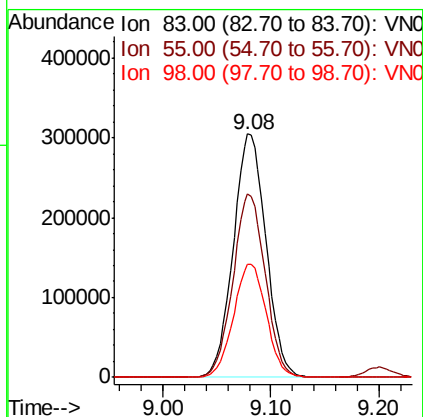
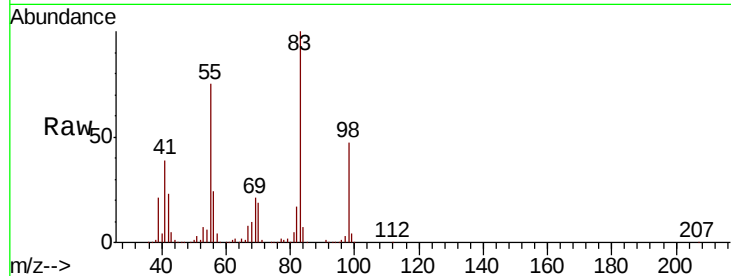




#39
Methvlcvclohexane
Concen: 48.31 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

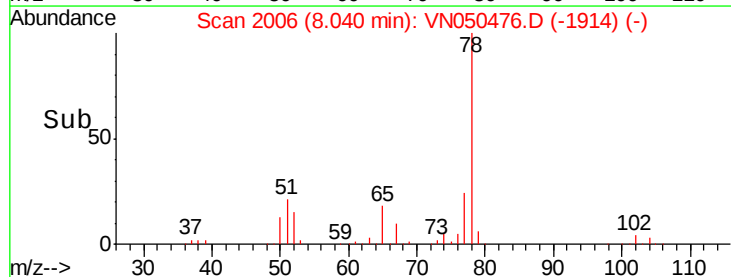
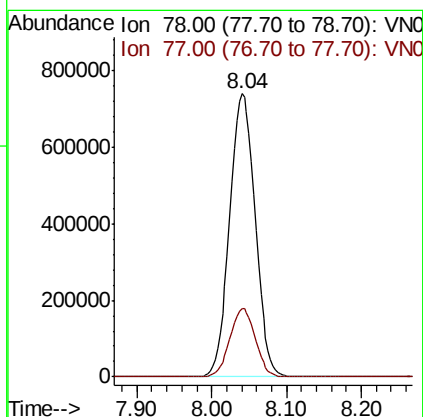
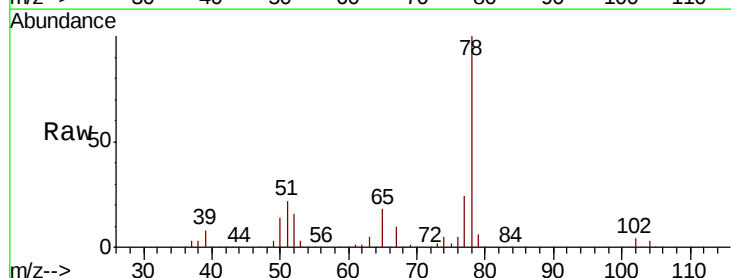
Instrument :
MSVOA_N
ClientSampled :

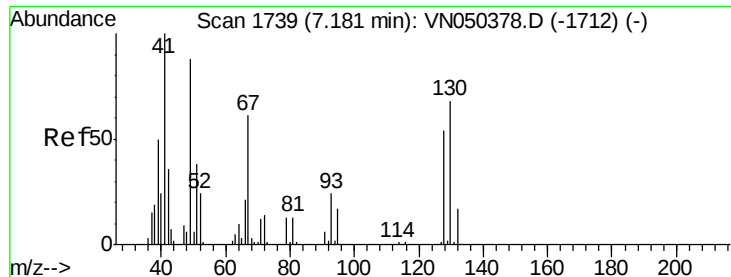
Tot Ion: 83 Resp: 644318
Ion Ratio Lower Upper
83 100
55 75.1 61.8 92.8
98 46.6 36.5 54.7



#40
Benzene
Concen: 46.82 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion: 78 Resp: 1758565
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1

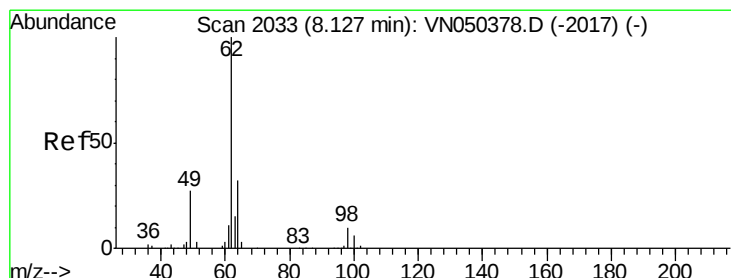
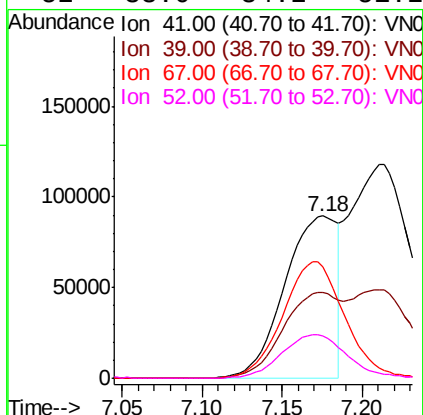
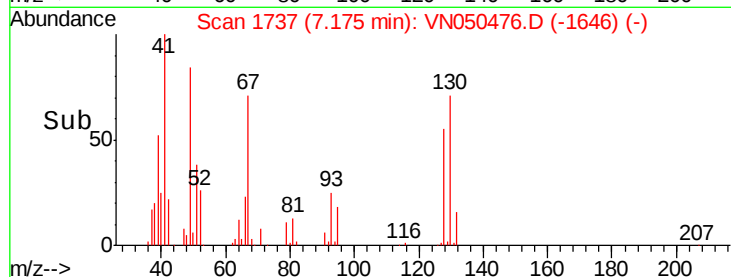
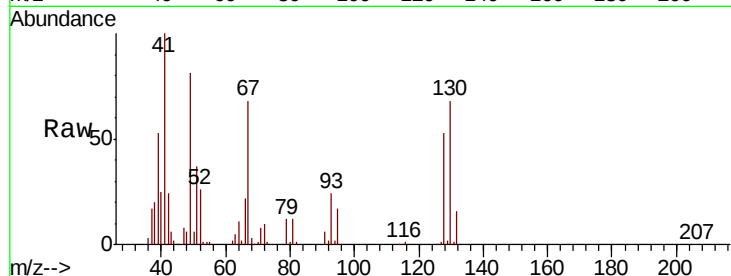




#41
Methacrylonitrile
Concen: 43.85 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

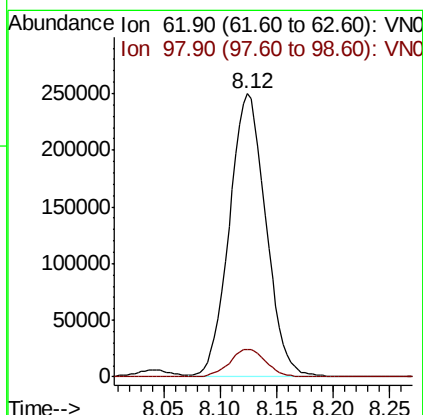
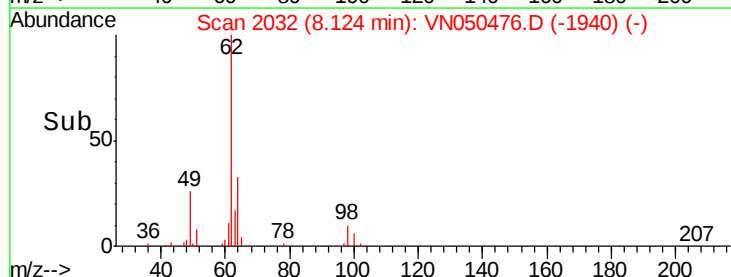
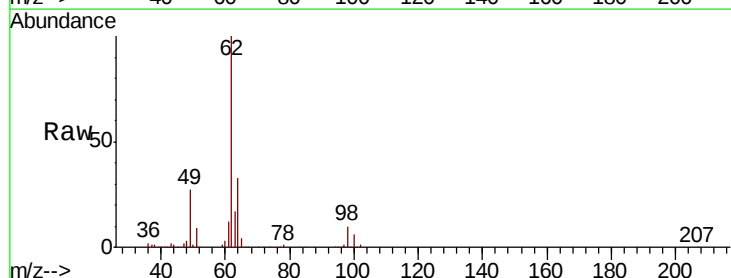
Instrument :
MSVOA_N
ClientSampled :

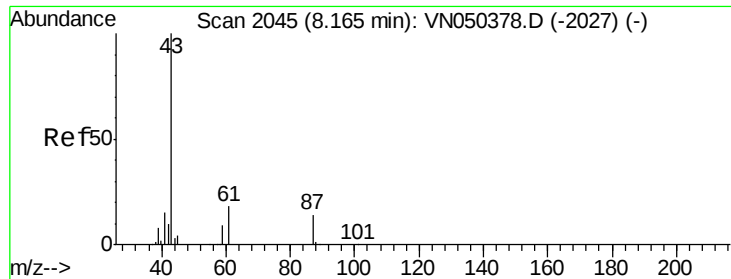
Tot Ion: 41 Resp: 205169
Ion Ratio Lower Upper
41 100
39 57.8 55.8 83.6
67 84.3 84.3 126.5
52 33.0 34.2 51.2#



#42
1,2-Dichloroethane
Concen: 46.93 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion: 62 Resp: 559641
Ion Ratio Lower Upper
62 100
98 9.9 0.0 18.8



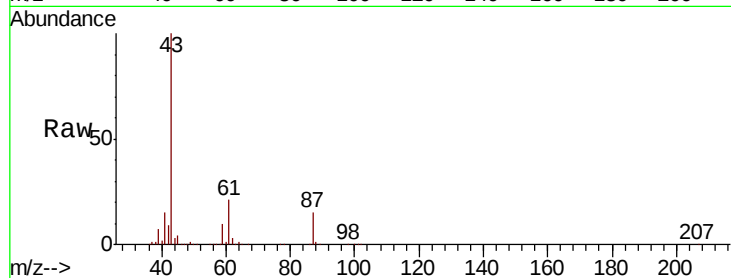


#43

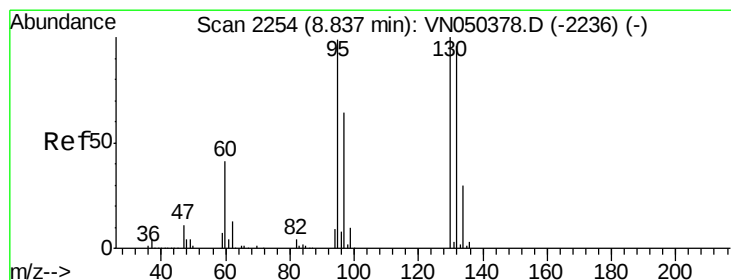
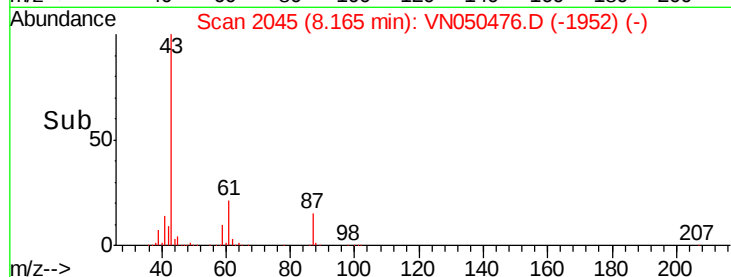
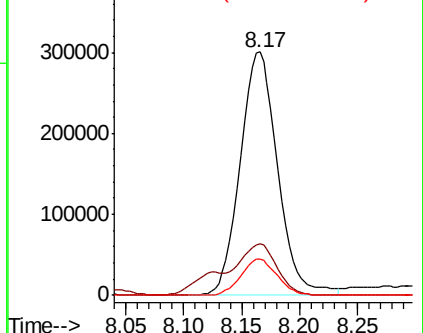
Isopropyl Acetate
 Concen: 44.42 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	43	Resp	674756
Ion Ratio	Lower	Upper	
43	100		
61	21.3	15.8	23.6
87	14.4	10.3	15.5



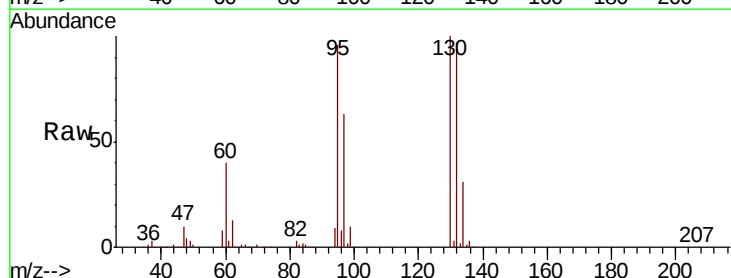
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



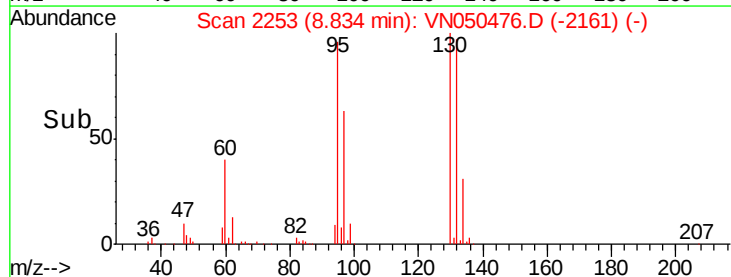
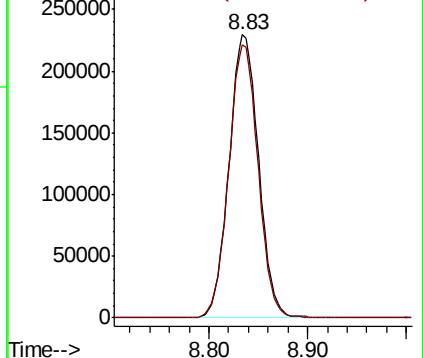
#44

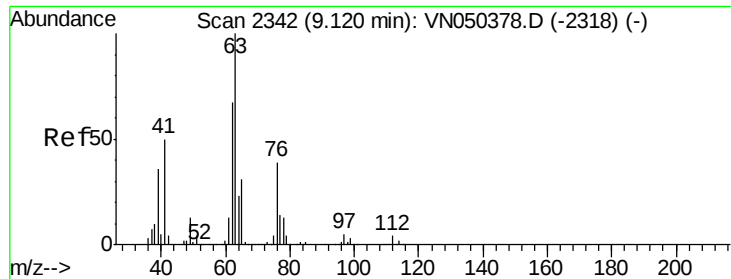
Trichloroethene
 Concen: 47.45 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion	130	Resp	478974
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
130	100		
95	96.4	0.0	194.6



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

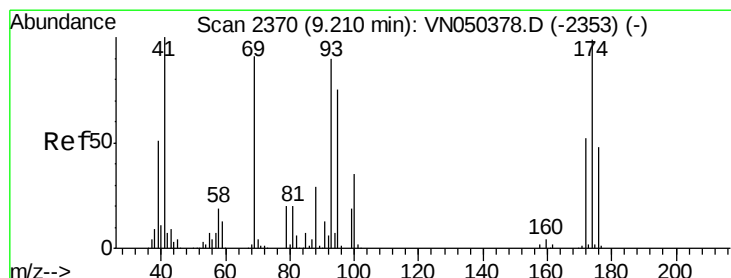
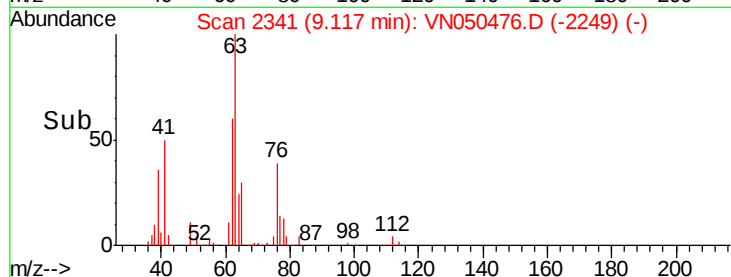
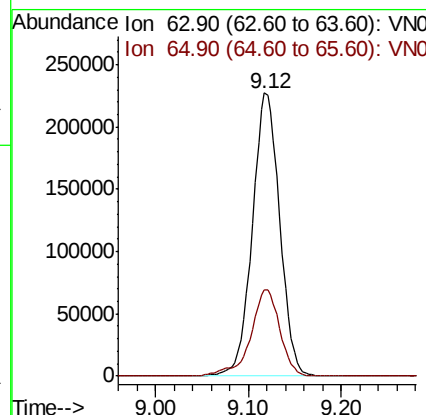
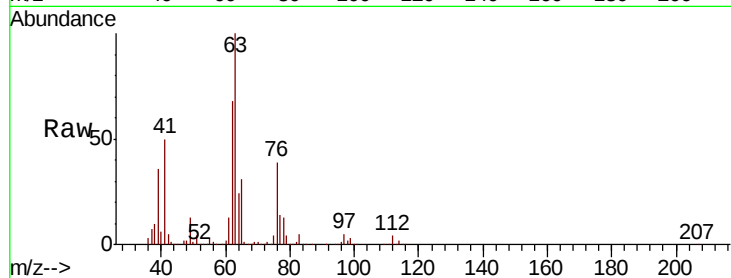




#45
 1,2-Dichloropropane
 Concen: 47.04 ug/l
 RT: 9.12 min Scan# 2341
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

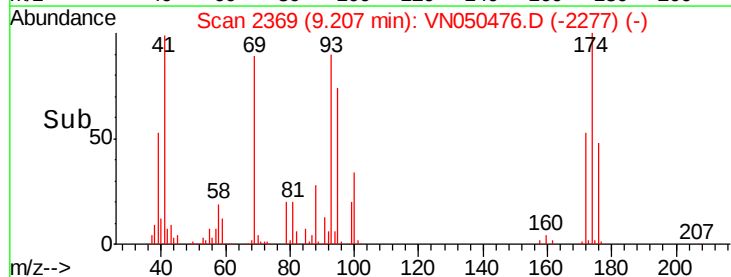
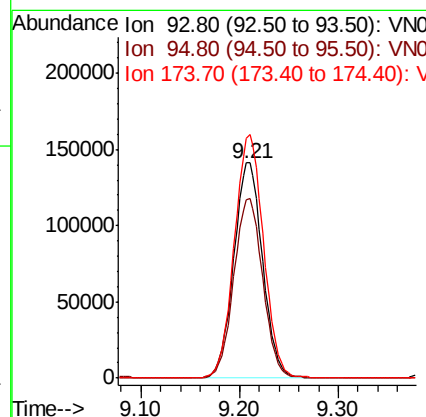
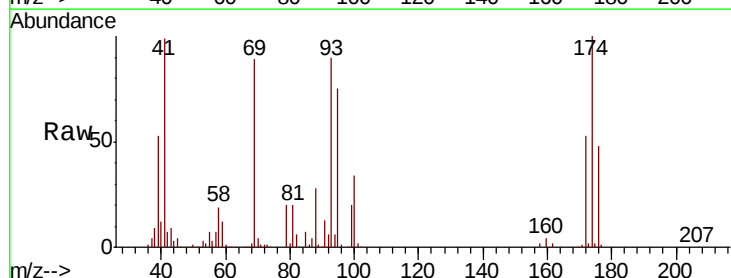
Instrument :
 MSVOA_N
 ClientSampled :

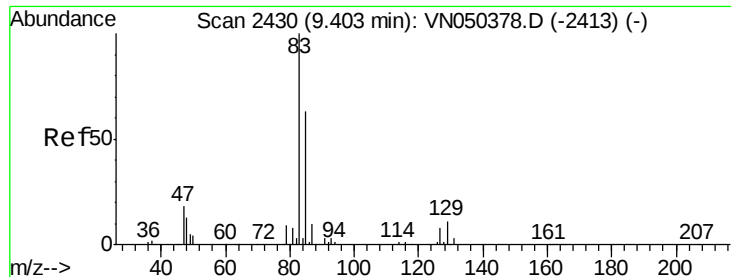
Tot Ion: 63 Resp: 464517
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.5 38.3



#46
 Dibromomethane
 Concen: 46.97 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion: 93 Resp: 286467
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 100.0
 174 114.4 87.1 130.7

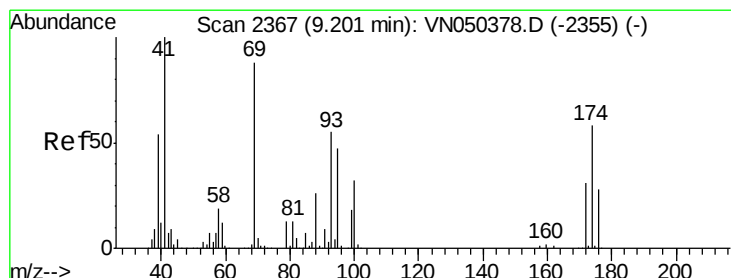
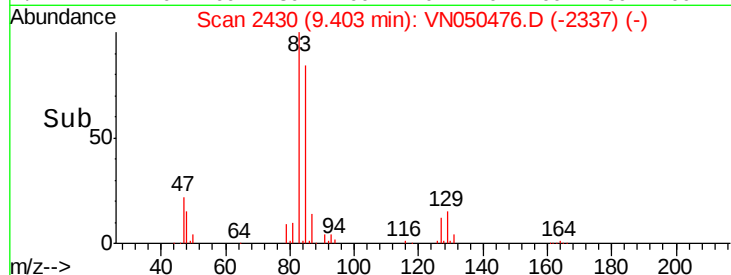
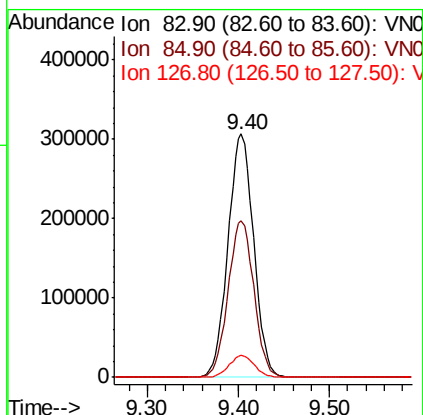
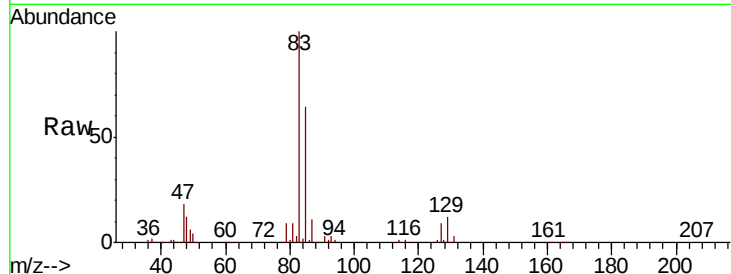




#47
 Bromodichloromethane
 Concen: 47.53 ug/l
 RT: 9.40 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

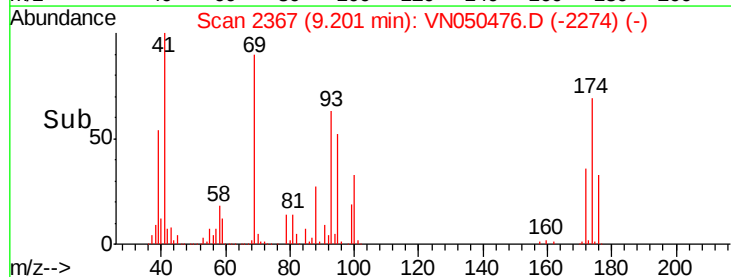
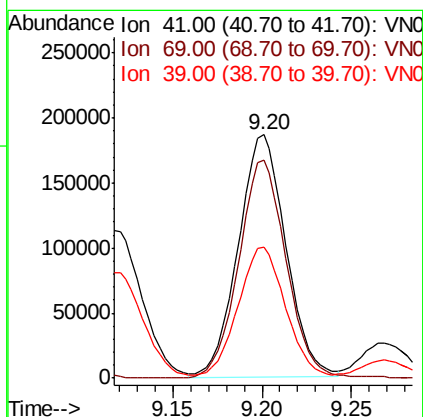
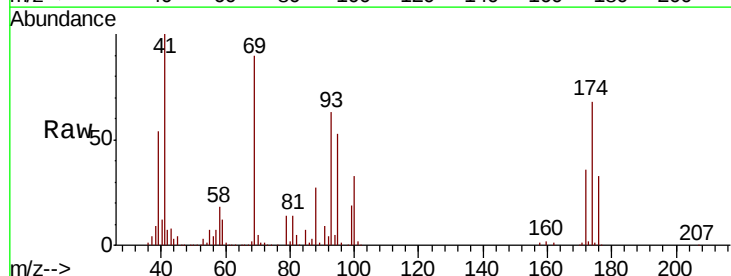
Instrument :
 MSVOA_N
 ClientSampleId :

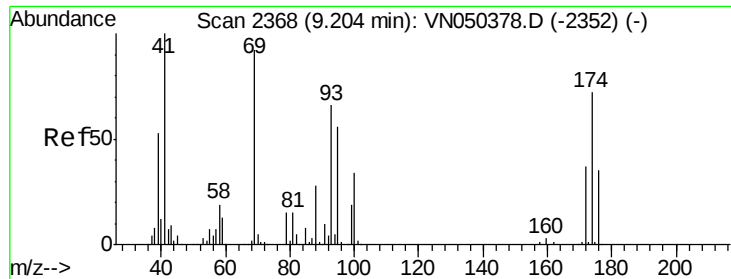
Tot Ion	83	Resp	600387
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7
127	9.0	7.0	10.4



#48
 Methyl methacrylate
 Concen: 45.87 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion	41	Resp	349205
Ion	Ratio	Lower	Upper
41	100		
69	90.0	70.6	105.8
39	53.8	43.9	65.9





#49

1,4-Dioxane

Concen: 857.74 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :

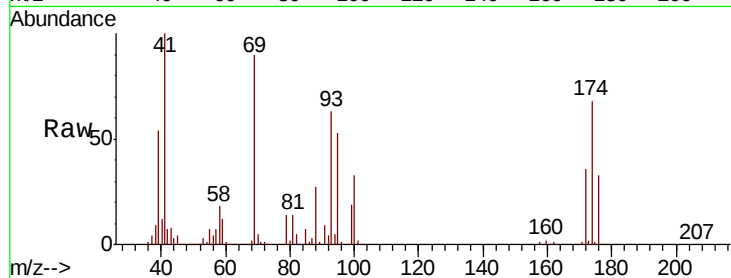
Tot Ion: 88 Resp: 100654

Ion Ratio Lower Upper

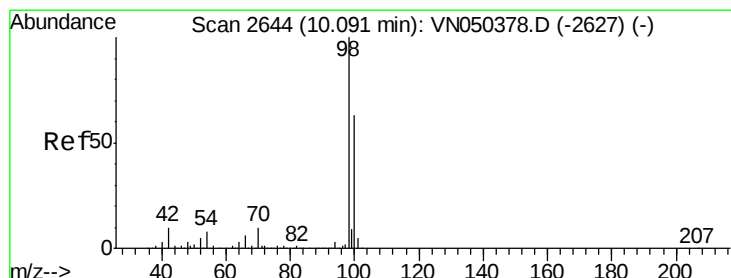
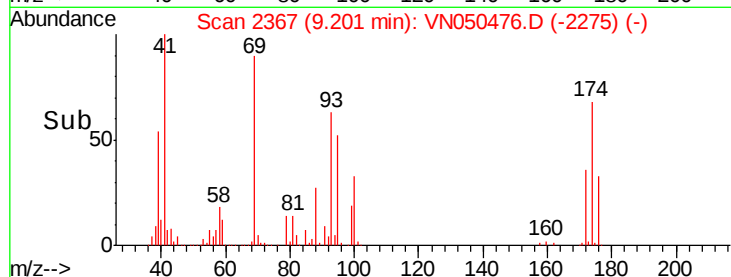
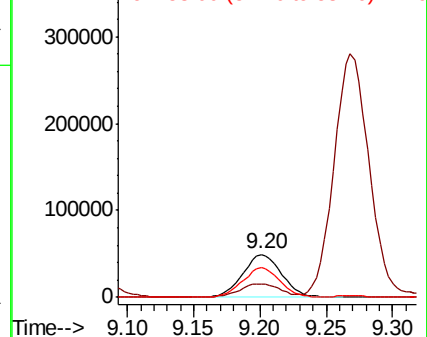
88 100

43 31.0 26.9 40.3

58 66.8 57.3 85.9



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: 48.61 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN050476.D

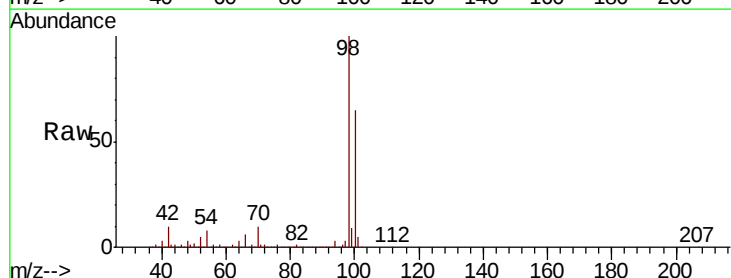
Acq: 9 Aug 2018 11:07

Tgt Ion: 98 Resp: 1630783

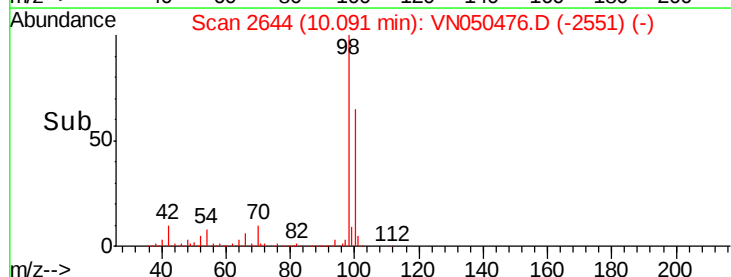
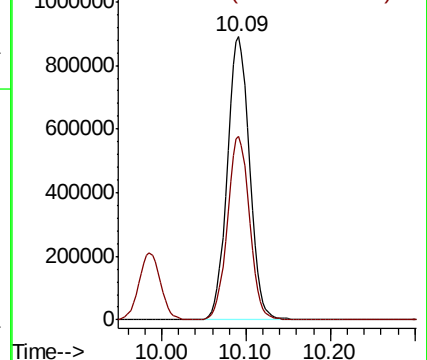
Ion Ratio Lower Upper

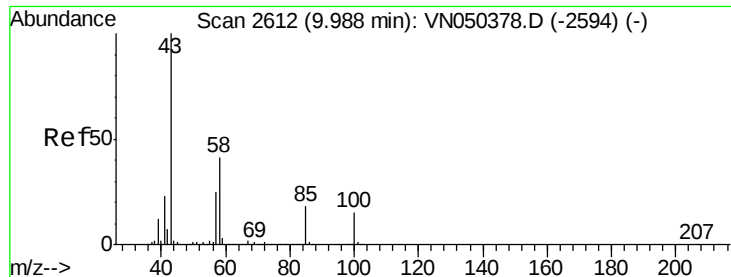
98 100

100 64.6 50.7 76.1



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: 215.42 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

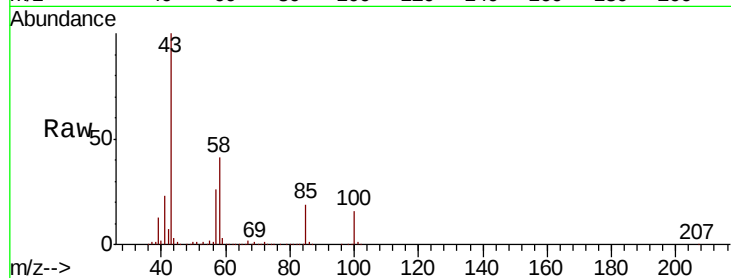
ClientSampleId :

Tot Ion: 43 Resp: 2356481

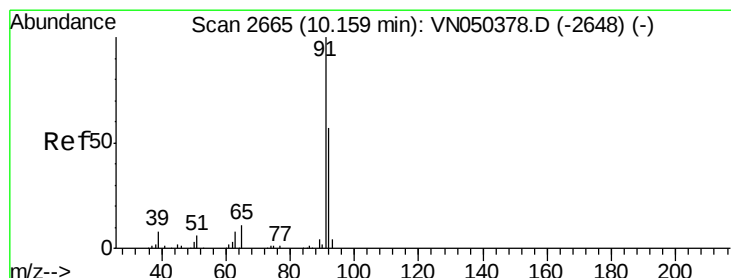
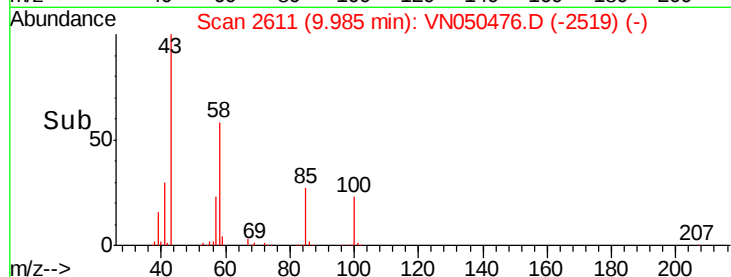
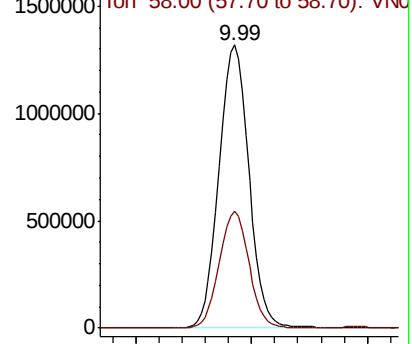
Ion Ratio Lower Upper

43 100

58 41.0 31.9 47.9



Abundance Ion 43.00 (42.70 to 43.70): VN050378.D (-2594) (-)



#52

Toluene

Concen: 49.79 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050476.D

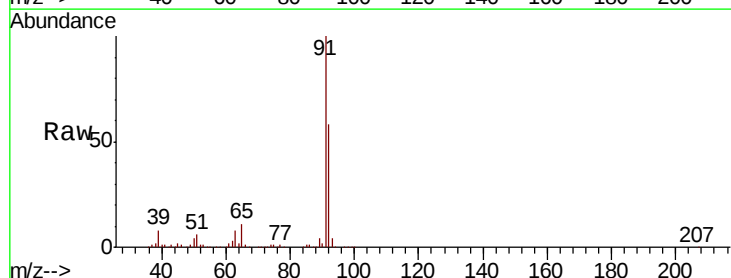
Acq: 9 Aug 2018 11:07

Tgt Ion: 92 Resp: 1123408

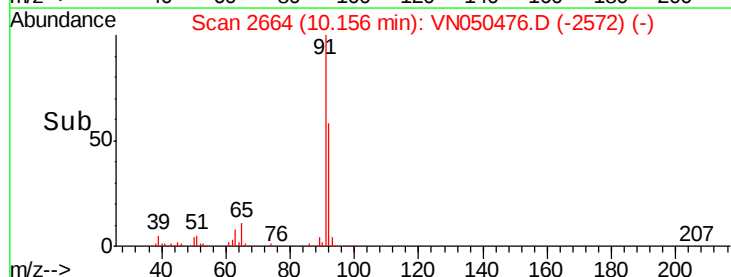
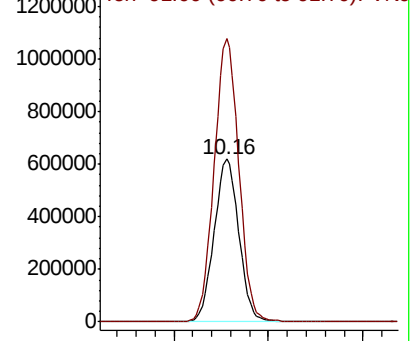
Ion Ratio Lower Upper

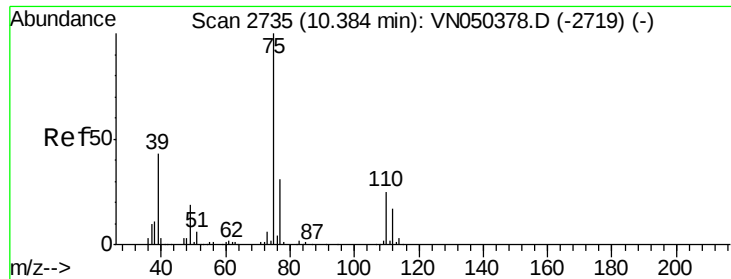
92 100

91 174.2 140.3 210.5



Abundance Ion 92.00 (91.70 to 92.70): VN050378.D (-2648) (-)





#53

t-1,3-Dichloropropene

Concen: 49.95 ug/l

RT: 10.38 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

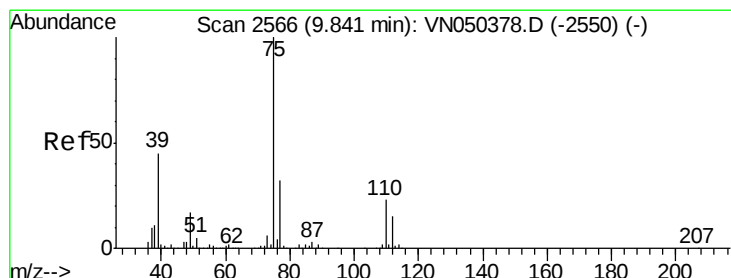
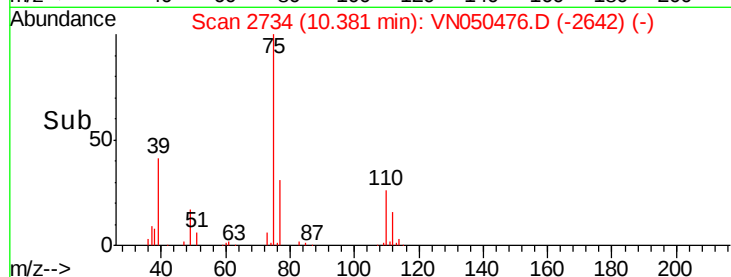
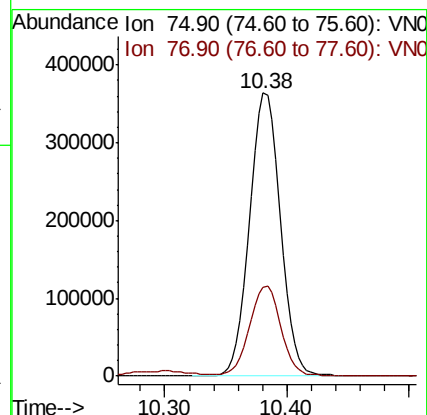
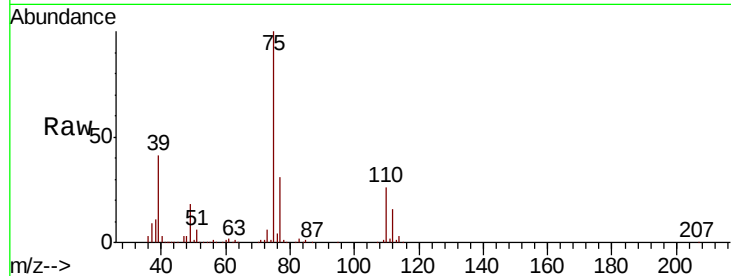
ClientSampleId :

Tot Ion: 75 Resp: 633546

Ion Ratio Lower Upper

75 100

77 31.2 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 50.02 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

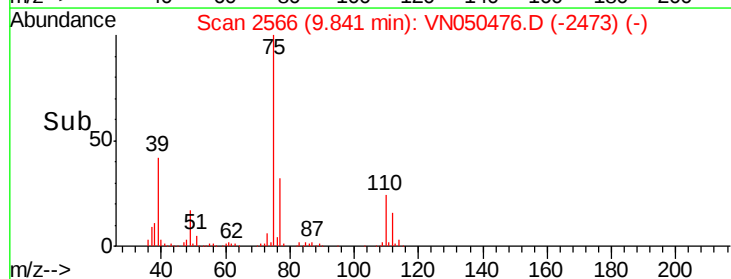
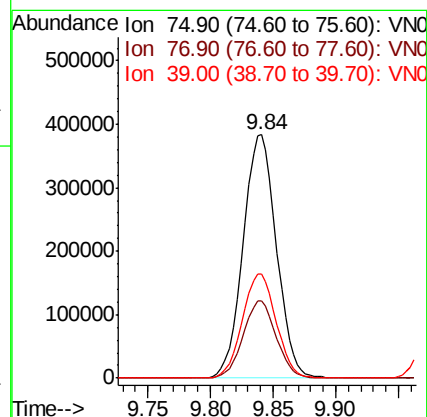
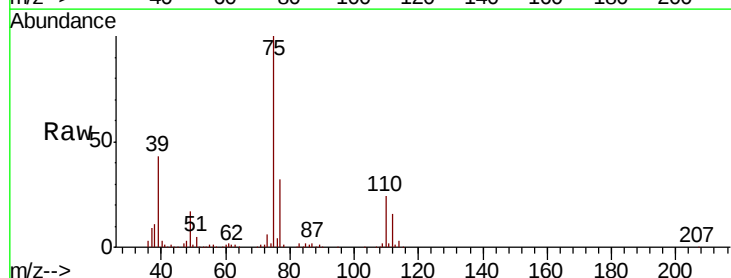
Tgt Ion: 75 Resp: 708037

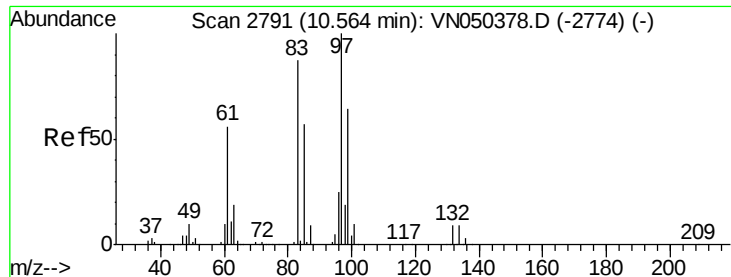
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 42.5 36.6 55.0

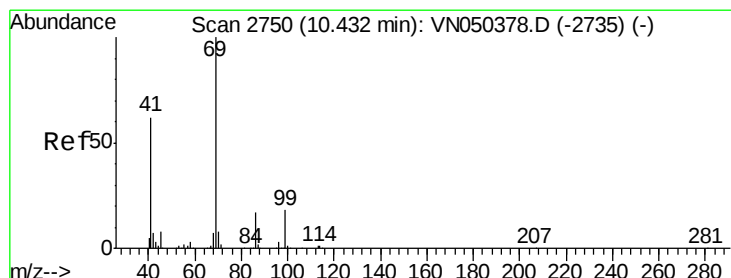
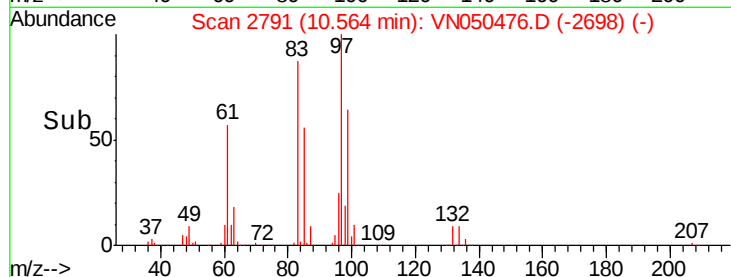
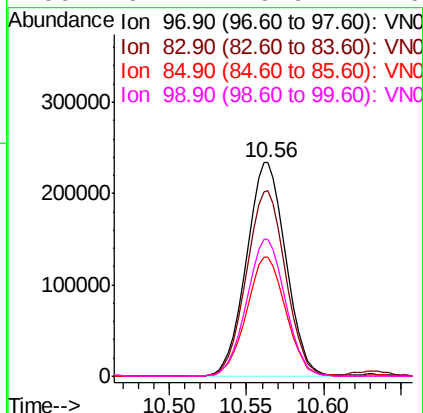
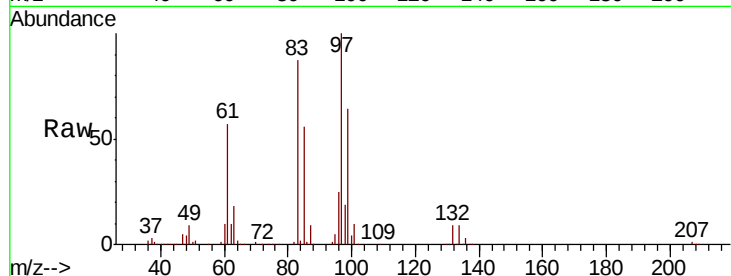




#55
 1,1,2-Trichloroethane
 Concen: 47.09 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

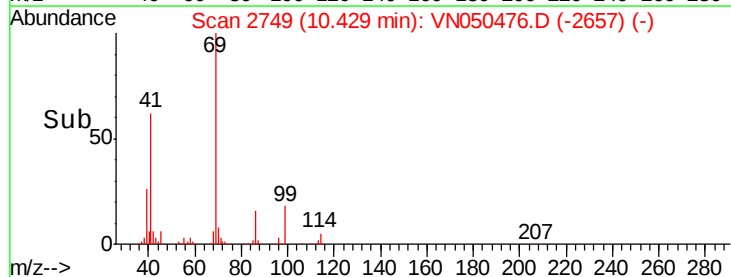
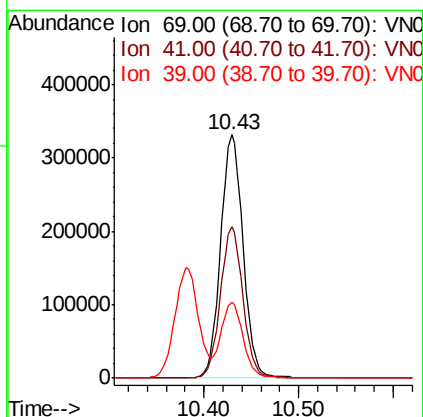
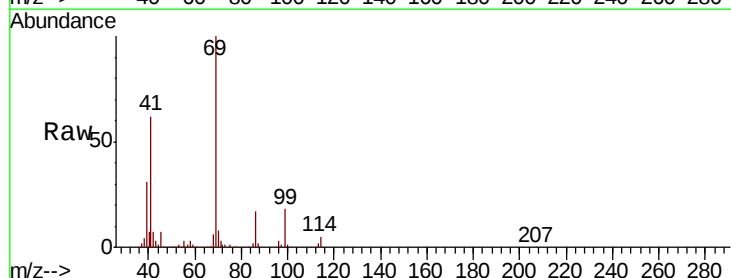
Instrument :
 MSVOA_N
 ClientSampled :

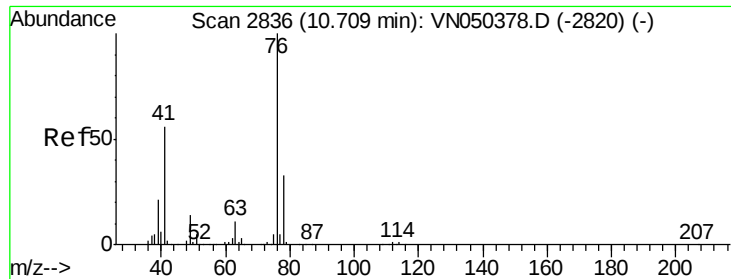
Tot Ion:	97	Resp:	414824
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.2	103.8
85	55.7	44.0	66.0
99	64.1	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 44.13 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion:	69	Resp:	547561
Ion	Ratio	Lower	Upper
69	100		
41	62.0	51.0	76.4
39	31.4	26.6	40.0

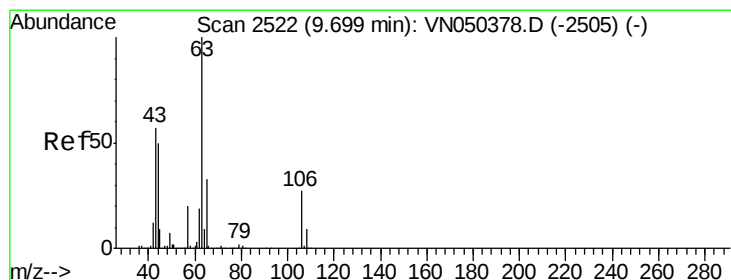
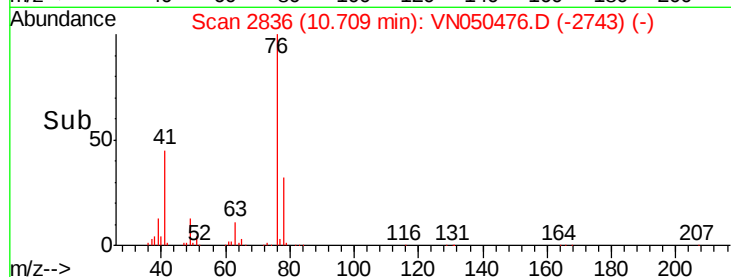
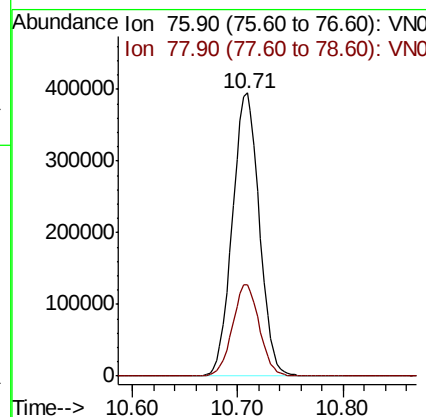
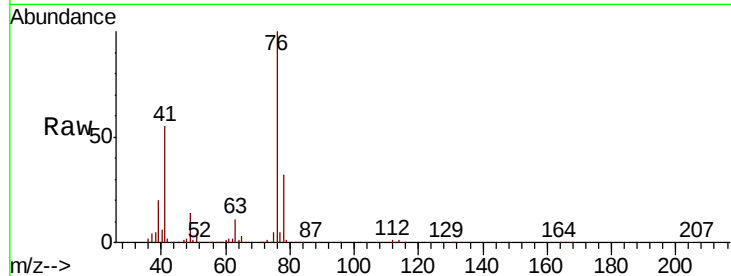




#57
 1,3-Dichloropropane
 Concen: 48.22 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

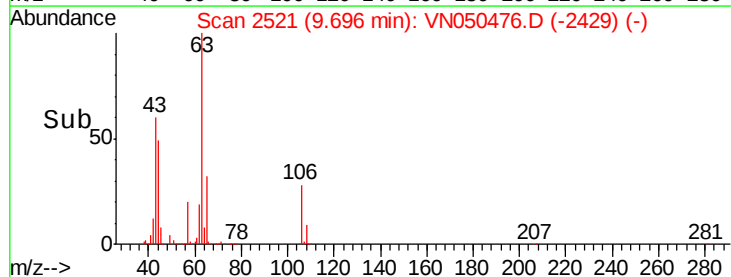
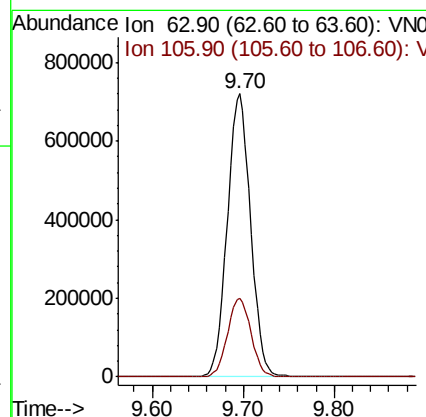
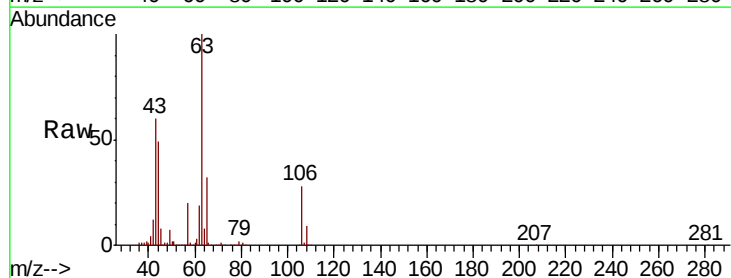
Instrument :
 MSVOA_N
 ClientSampled :

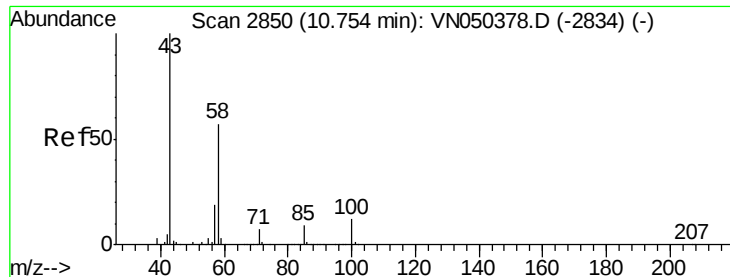
Tot Ion: 76 Resp: 697231
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.02 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion: 63 Resp: 1279088
 Ion Ratio Lower Upper
 63 100
 106 28.1 21.7 32.5

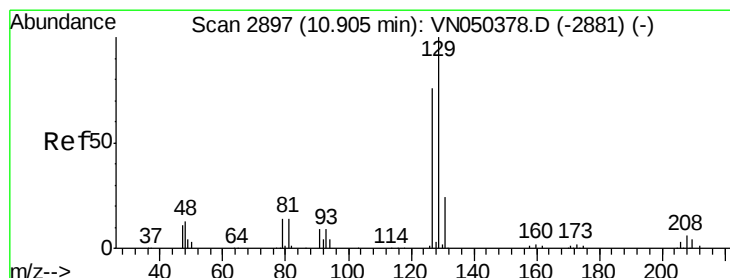
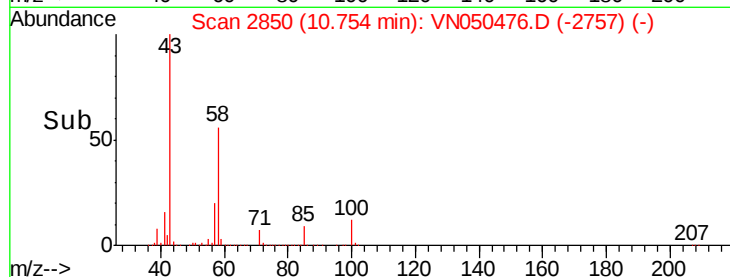
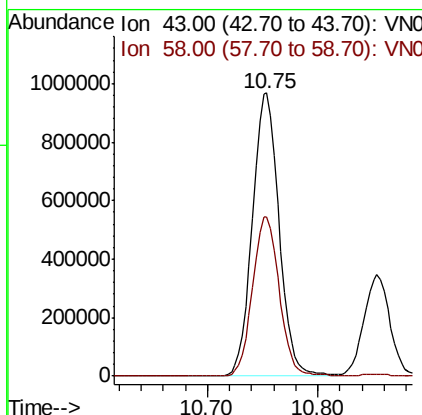
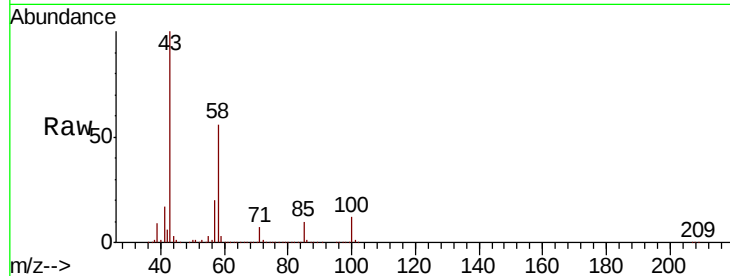




#59
2-Hexanone
Concen: 212.80 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

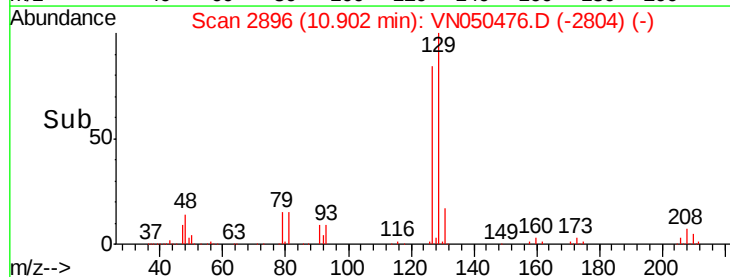
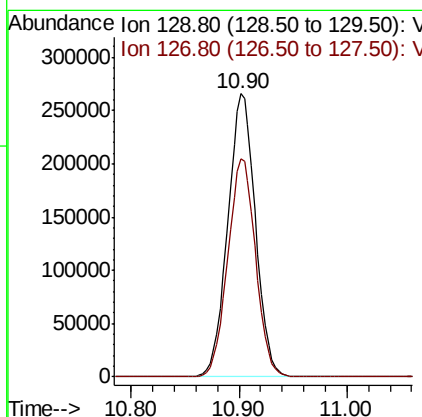
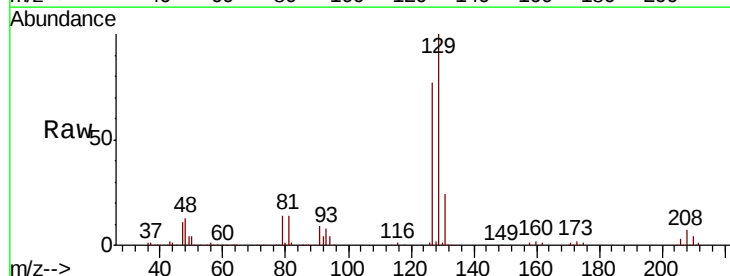
Instrument :
MSVOA_N
ClientSampled :

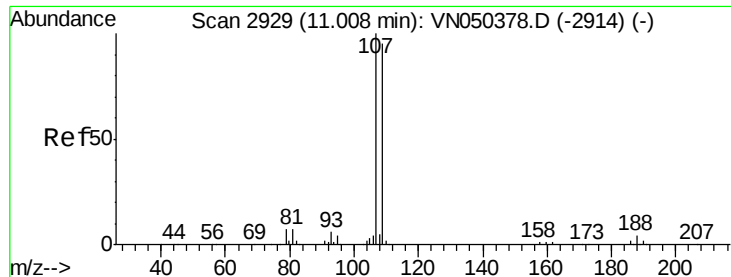
Tot Ion: 43 Resp: 1624559
Ion Ratio Lower Upper
43 100
58 56.5 27.6 82.7



#60
Dibromochloromethane
Concen: 48.81 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion: 129 Resp: 473661
Ion Ratio Lower Upper
129 100
127 77.7 38.0 113.9

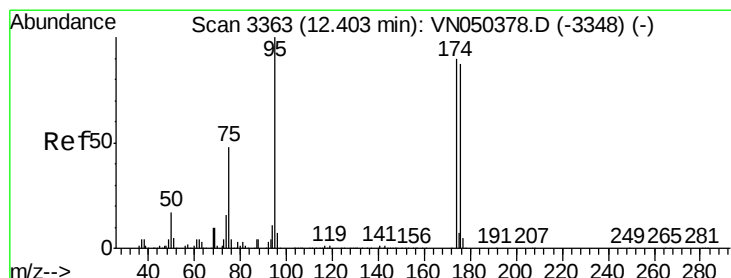
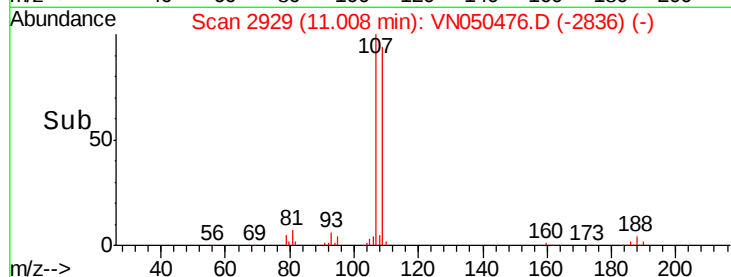
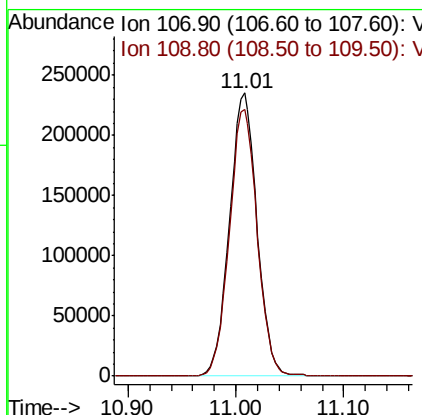
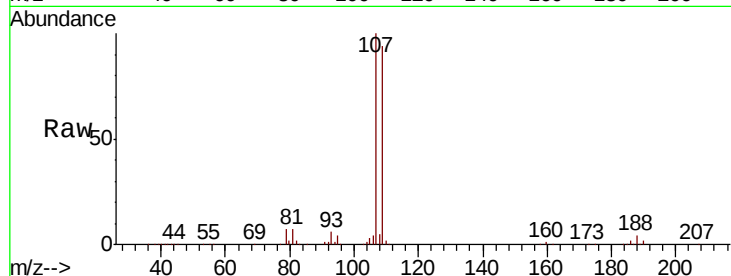




#61
 1,2-Dibromoethane
 Concen: 48.21 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

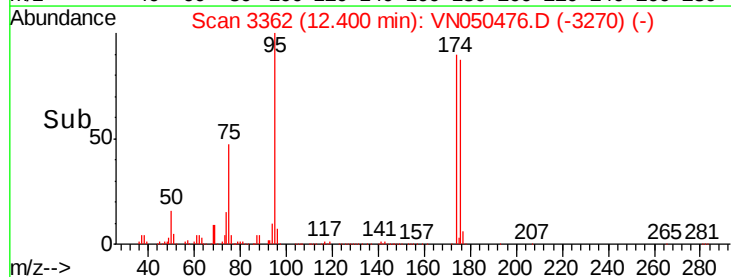
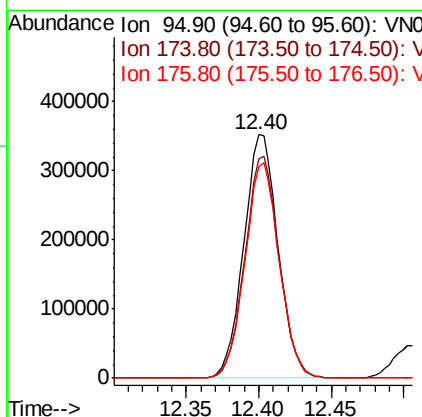
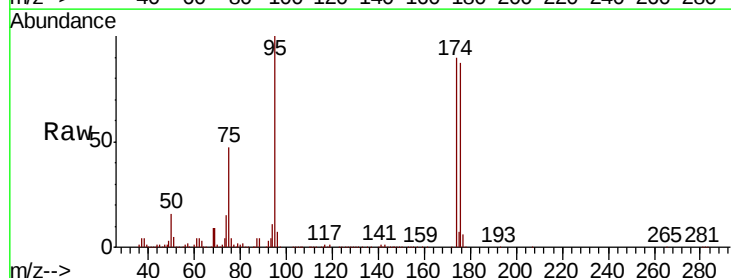
Instrument :
 MSVOA_N
 ClientSampled :

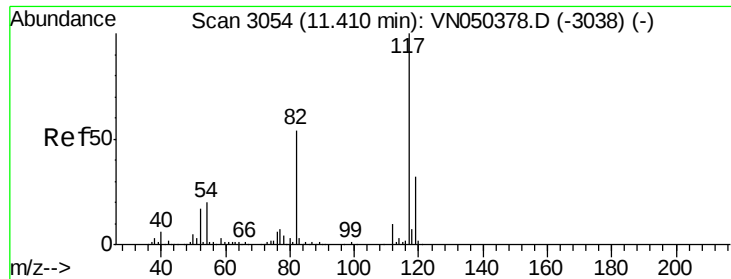
Tot Ion:107 Resp: 418599
 Ion Ratio Lower Upper
 107 100
 109 95.2 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 50.87 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion: 95 Resp: 581615
 Ion Ratio Lower Upper
 95 100
 174 90.8 0.0 178.2
 176 88.0 0.0 173.4

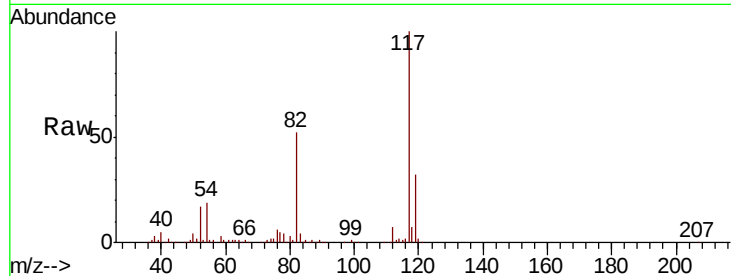




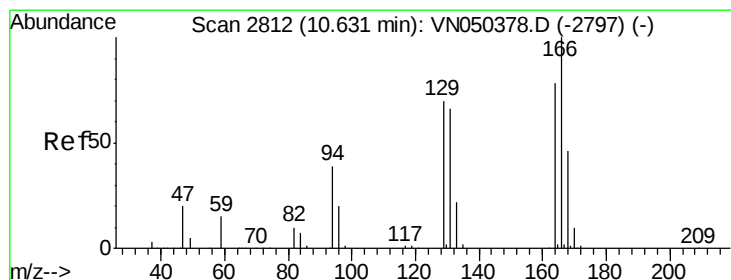
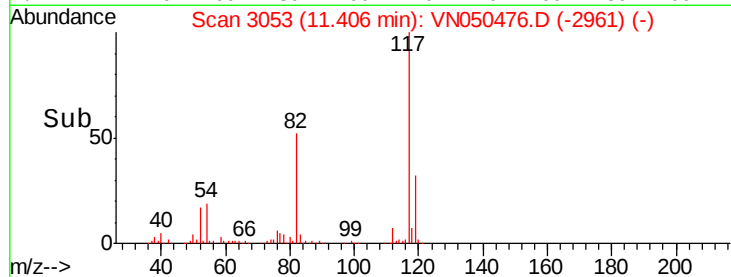
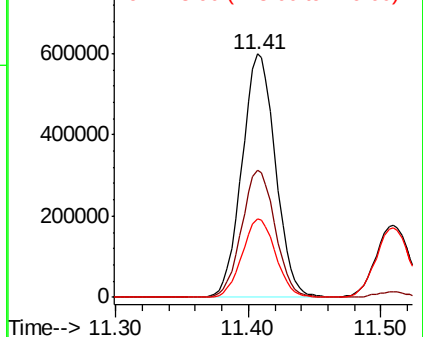
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1051243
Ion Ratio Lower Upper
117 100
82 52.4 43.7 65.5
119 32.1 26.1 39.1

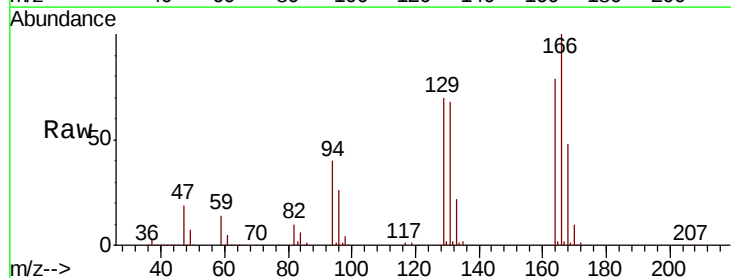


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

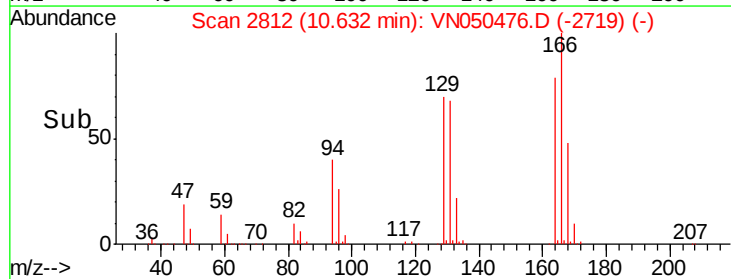
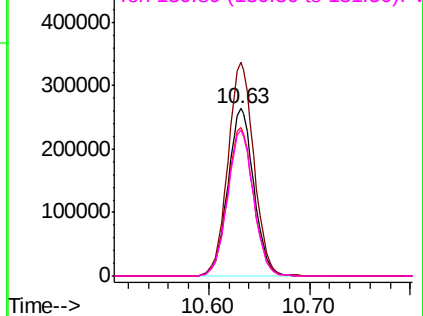


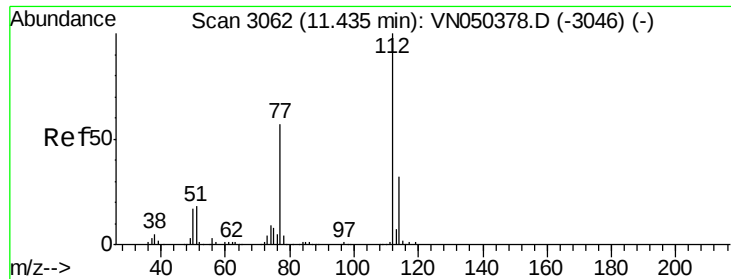
#64
Tetrachloroethene
Concen: 47.96 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion:164 Resp: 471091
Ion Ratio Lower Upper
164 100
166 127.4 102.1 153.1
129 88.8 73.2 109.8
131 87.1 70.6 106.0



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

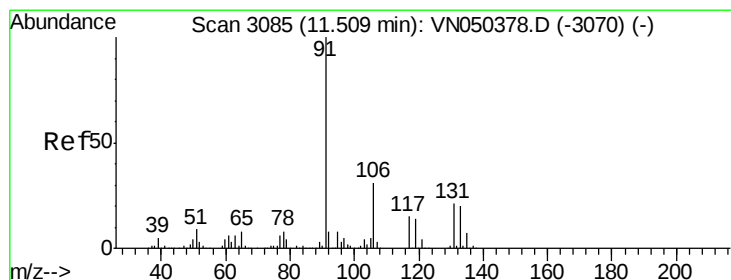
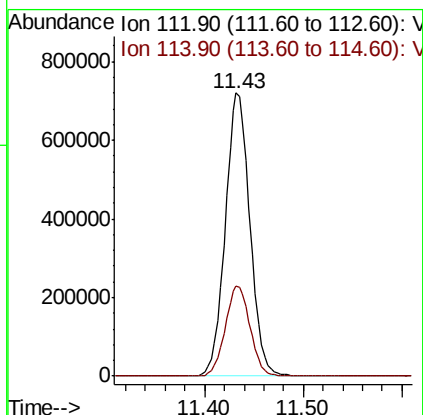
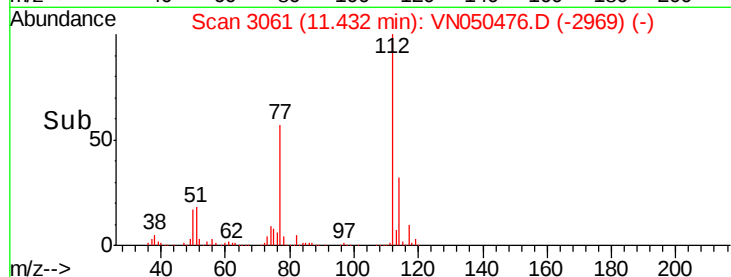
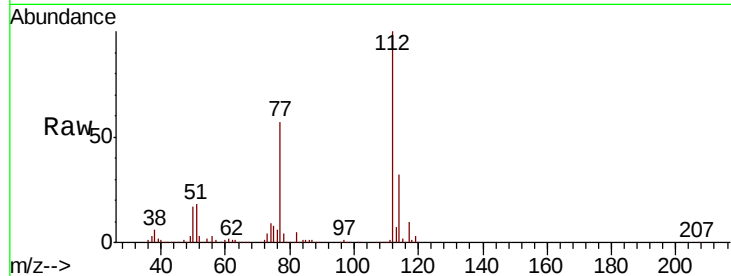




#65
Chlorobenzene
Concen: 47.63 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

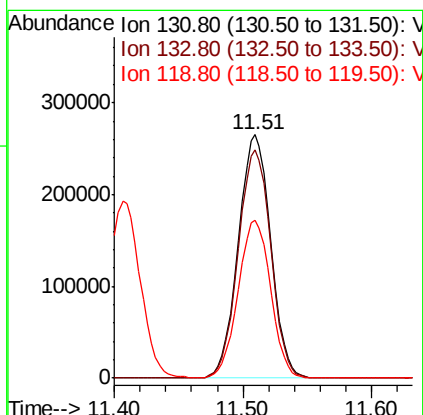
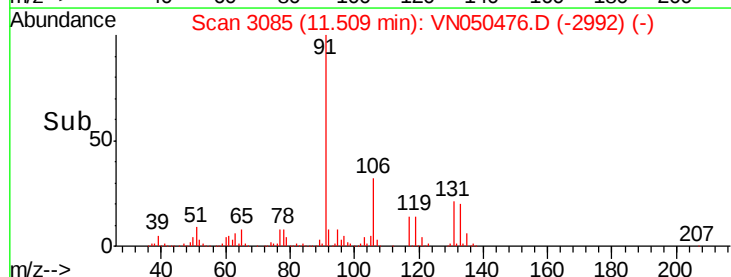
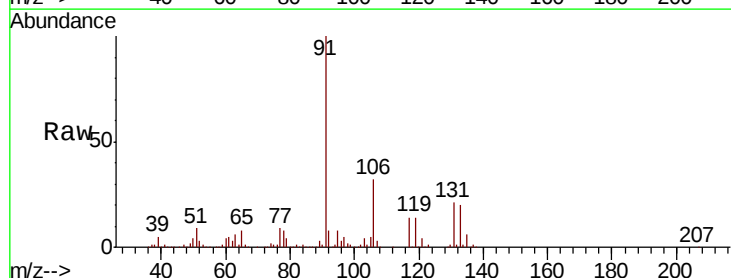
Instrument :
MSVOA_N
ClientSampled :

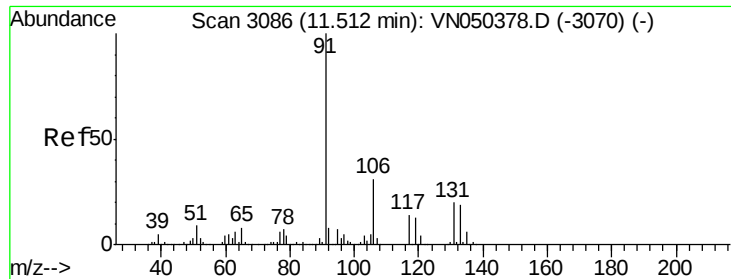
Tot Ion:112 Resp: 1255333
Ion Ratio Lower Upper
112 100
114 31.8 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 48.25 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion:131 Resp: 462778
Ion Ratio Lower Upper
131 100
133 94.5 47.3 141.9
119 65.1 32.9 98.7

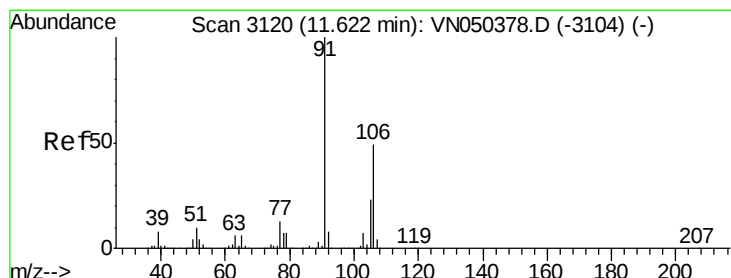
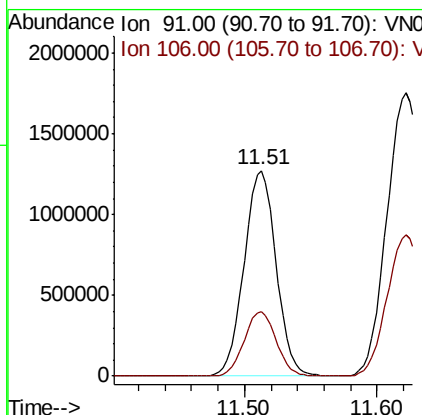
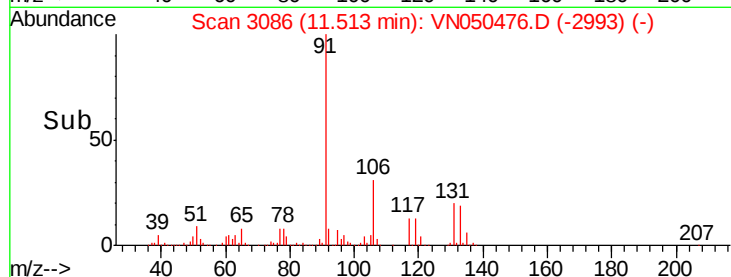
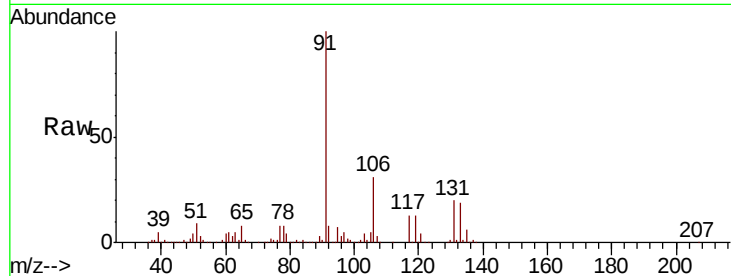




#67
Ethyl Benzene
Concen: 50.11 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

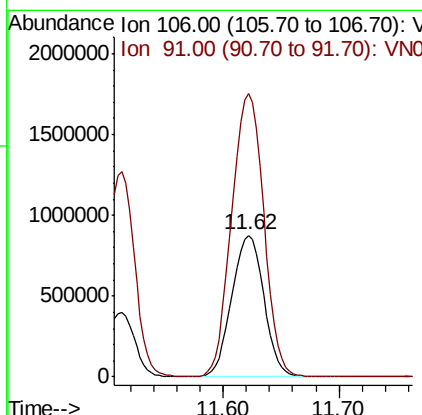
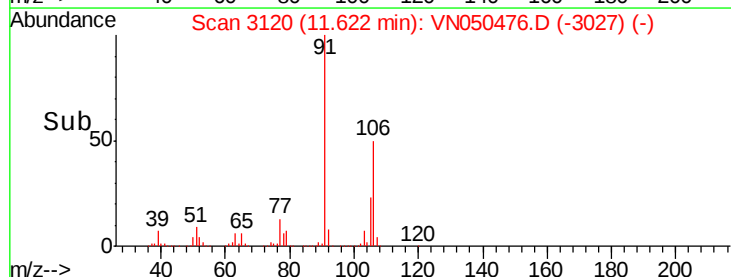
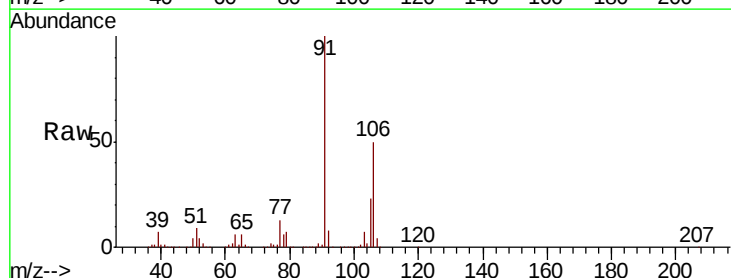
Instrument :
MSVOA_N
ClientSampled :

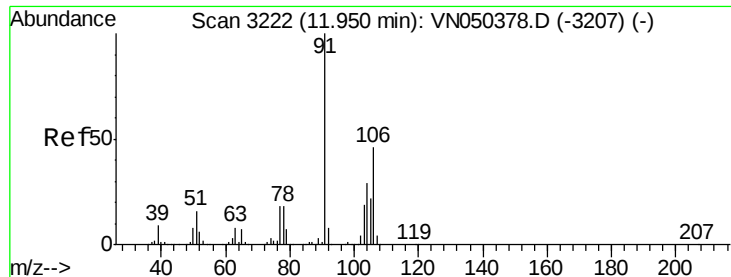
Tot Ion: 91 Resp: 2134908
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.4



#68
m/p-Xylenes
Concen: 103.12 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion: 106 Resp: 1672486
Ion Ratio Lower Upper
106 100
91 201.4 162.2 243.2

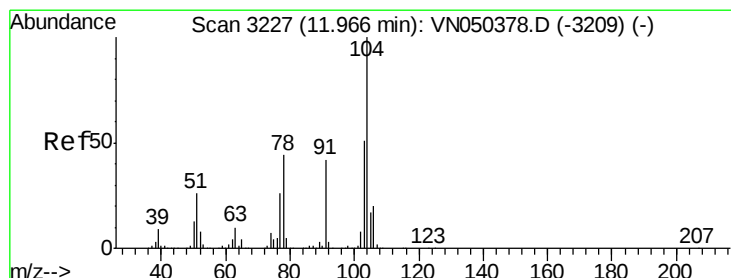
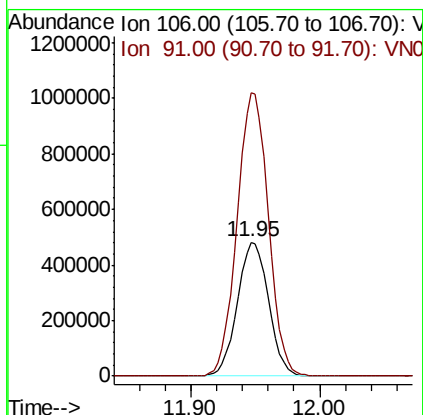
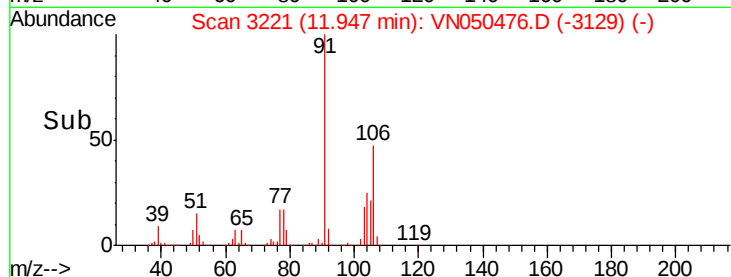
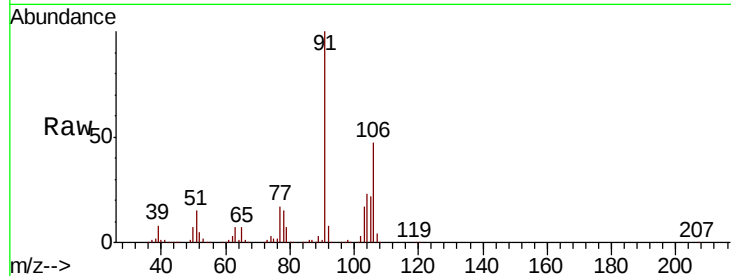




#69
o-Xylene
Concen: 51.83 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

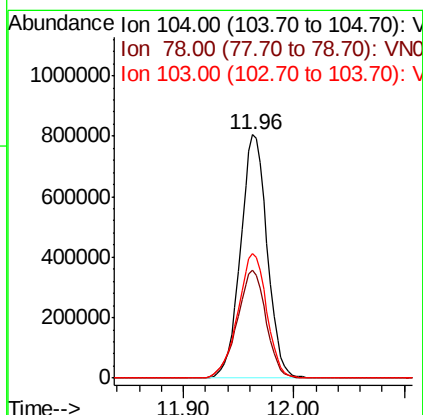
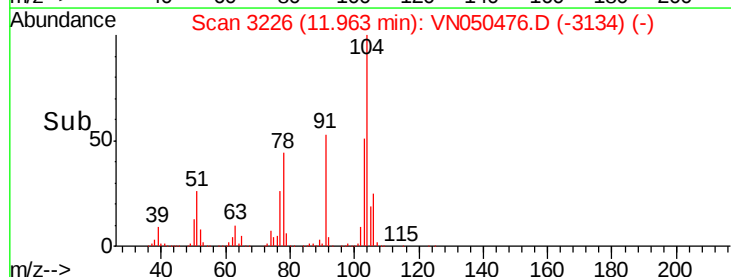
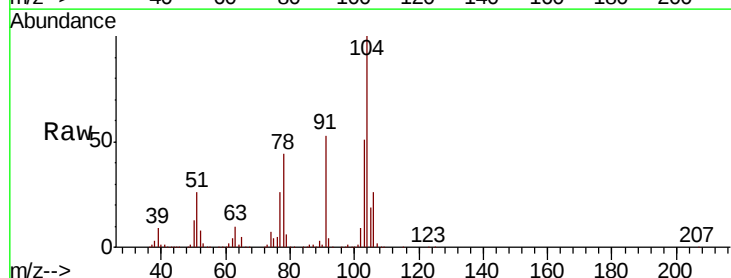
Instrument :
MSVOA_N
ClientSampled :

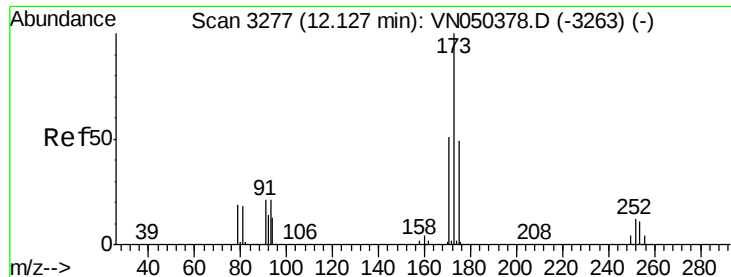
Tot Ion:106 Resp: 809702
Ion Ratio Lower Upper
106 100
91 212.5 107.7 323.1



#70
Styrene
Concen: 52.67 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion:104 Resp: 1338045
Ion Ratio Lower Upper
104 100
78 48.2 39.3 58.9
103 55.8 45.0 67.6





#71

Bromoform

Concen: 47.55 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

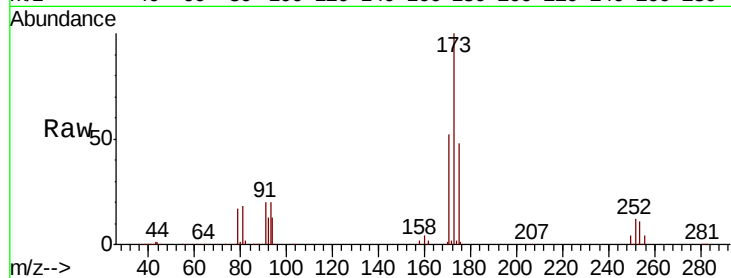
Tot Ion:173 Resp: 333308

Ion Ratio Lower Upper

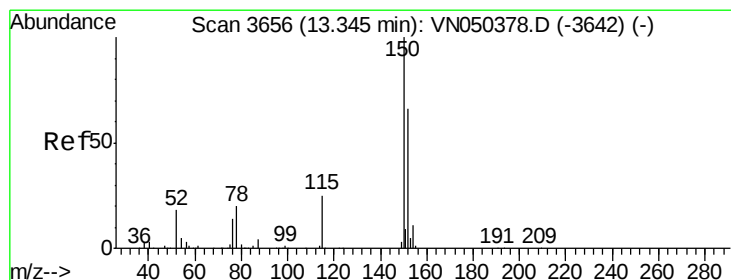
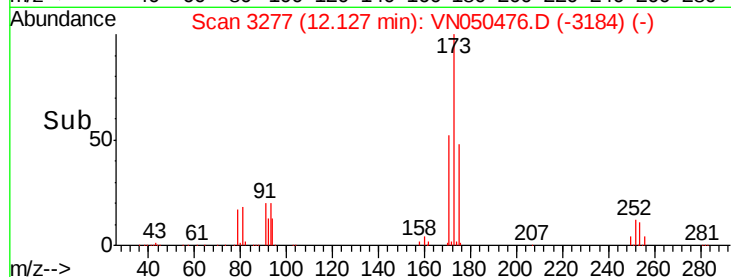
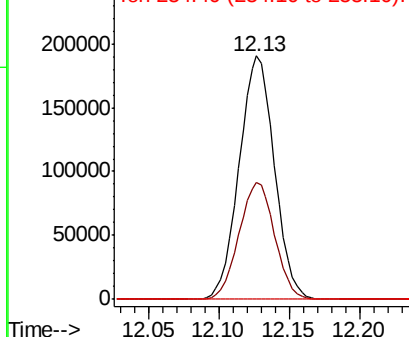
173 100

175 48.6 24.1 72.2

254 0.1 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

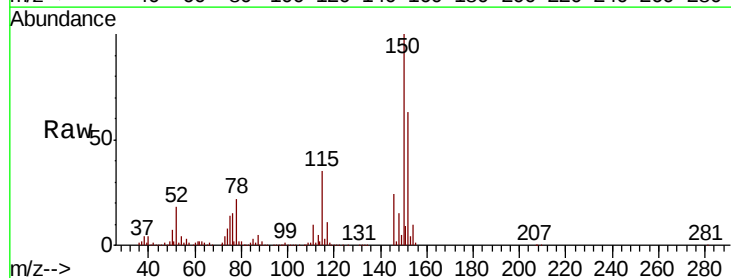
Tgt Ion:152 Resp: 561774

Ion Ratio Lower Upper

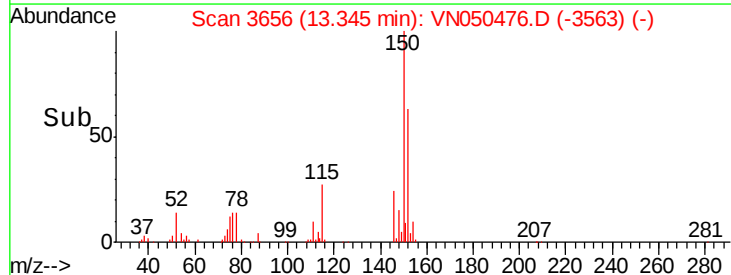
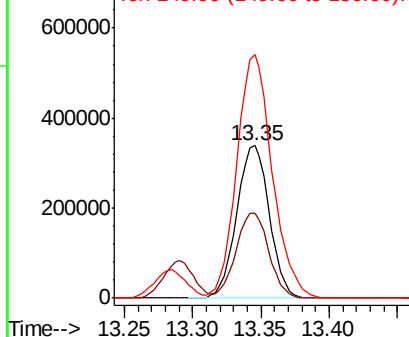
152 100

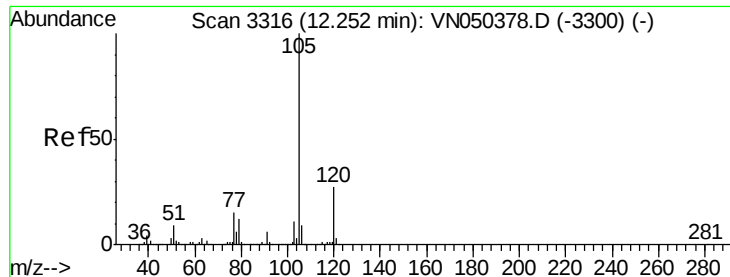
115 56.0 27.8 83.3

150 173.9 0.0 348.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.00 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

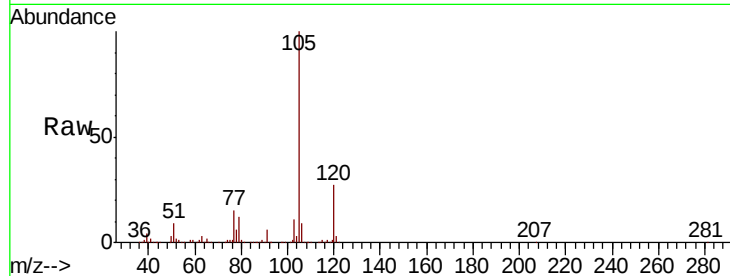
ClientSampled :

Tot Ion:105 Resp: 2108497

Ion Ratio Lower Upper

105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1500000

1200000

1000000

500000

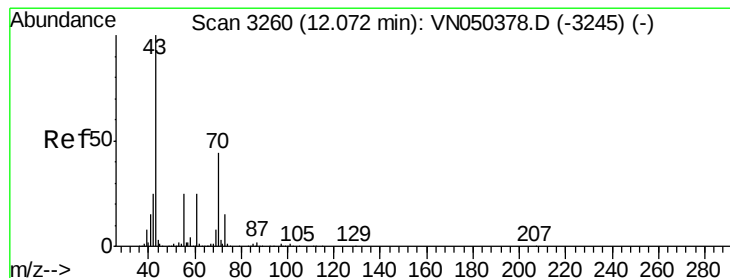
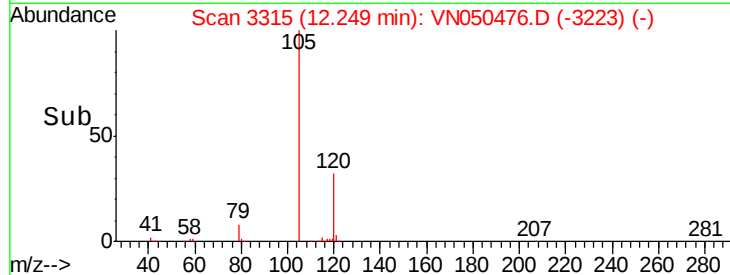
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 43.08 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Tgt Ion: 43 Resp: 588861

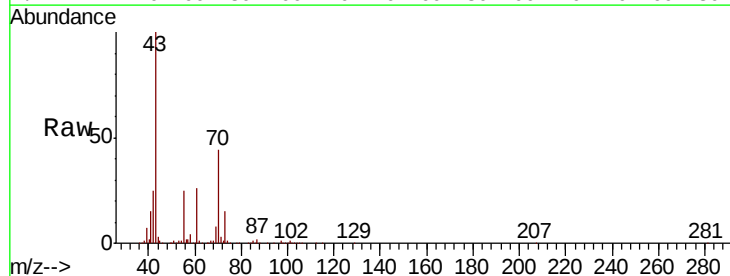
Ion Ratio Lower Upper

43 100

70 44.6 34.4 51.6

55 26.3 20.8 31.2

61 25.4 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

600000

500000

400000

300000

200000

100000

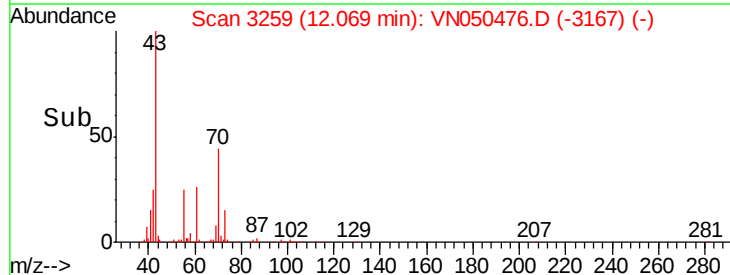
0

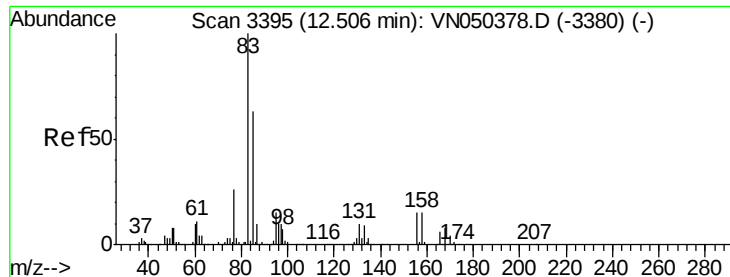
12.07

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 43.90 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

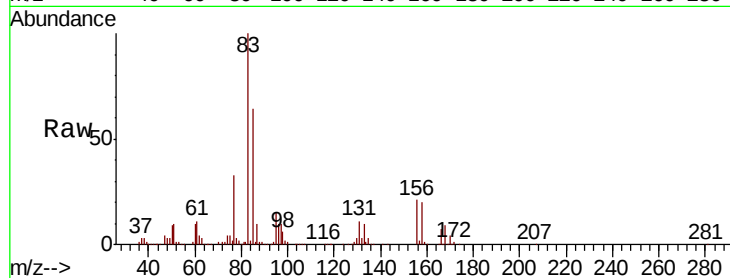
Tot Ion: 83 Resp: 534104

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

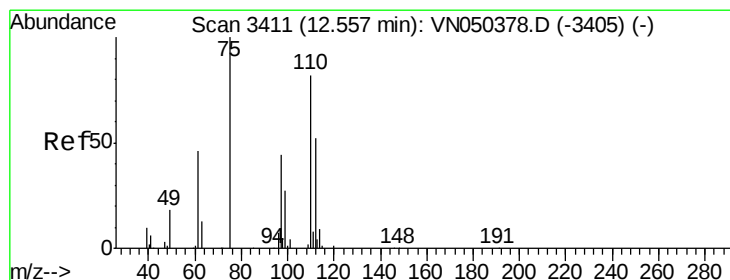
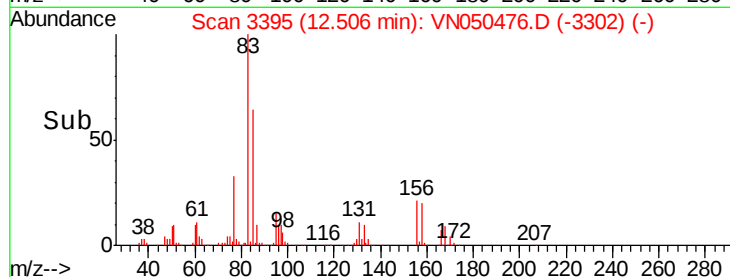
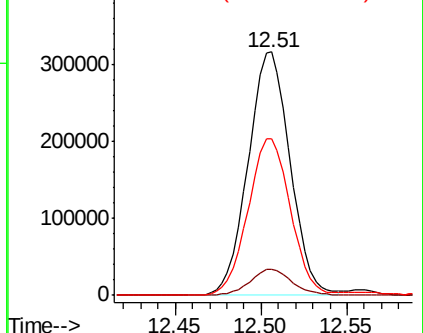
85 64.9 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 62.82 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050476.D

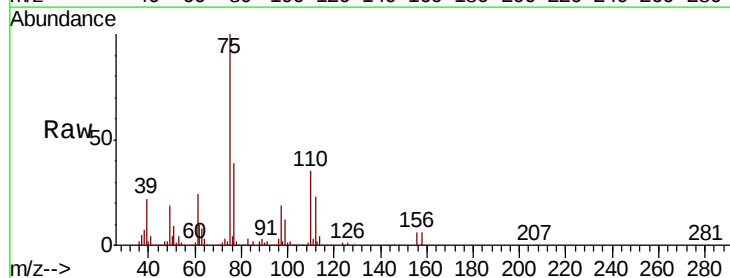
Acq: 9 Aug 2018 11:07

Tgt Ion: 75 Resp: 638749

Ion Ratio Lower Upper

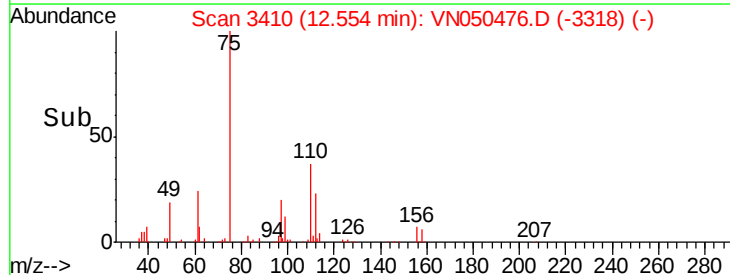
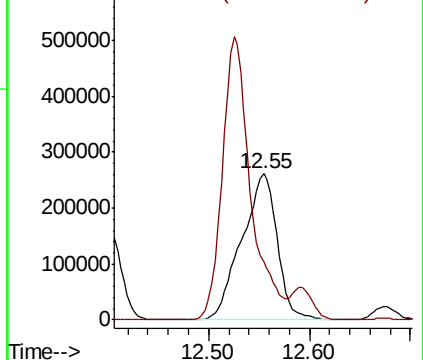
75 100

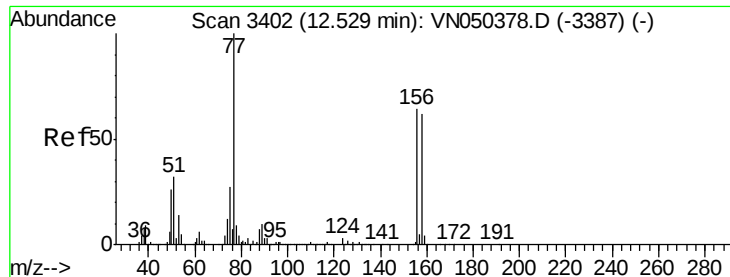
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 49.78 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

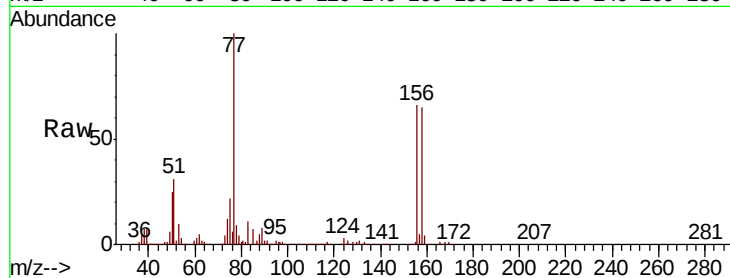
Tot Ion:156 Resp: 562389

Ion Ratio Lower Upper

156 100

77 176.9 91.7 275.1

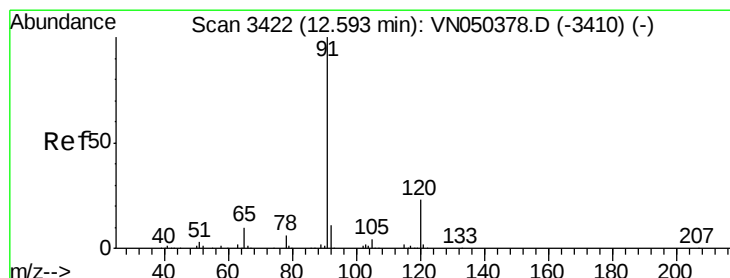
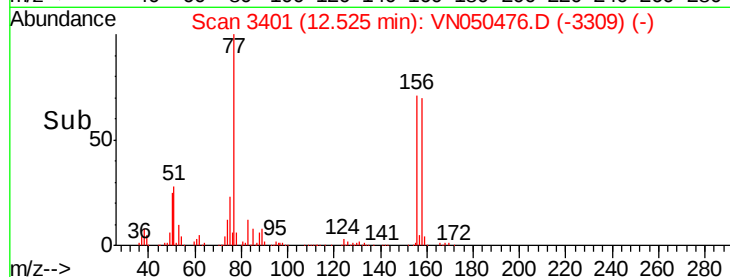
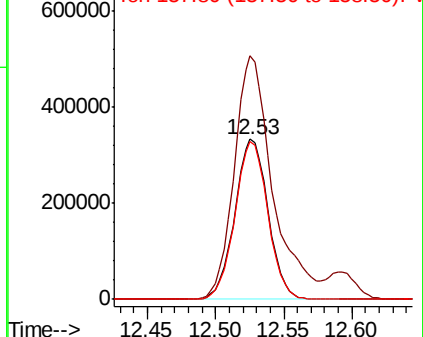
158 97.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.63 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050476.D

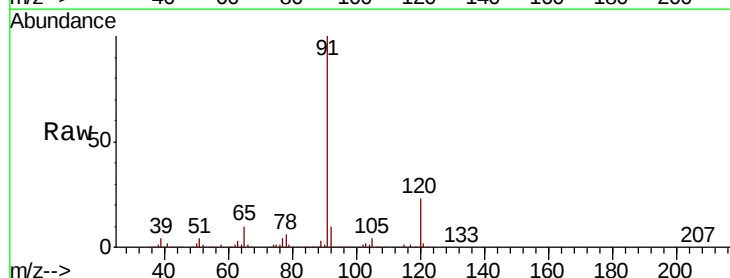
Acq: 9 Aug 2018 11:07

Tgt Ion: 91 Resp: 2416629

Ion Ratio Lower Upper

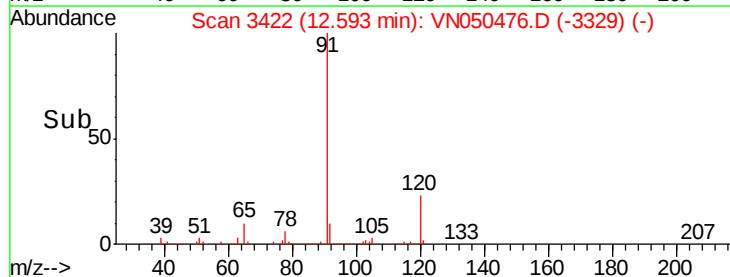
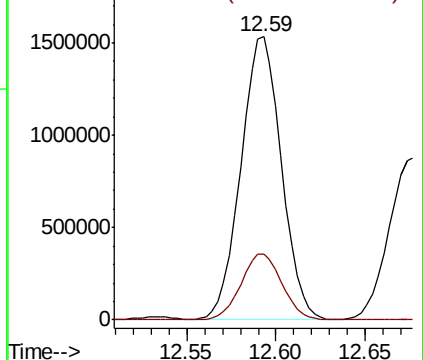
91 100

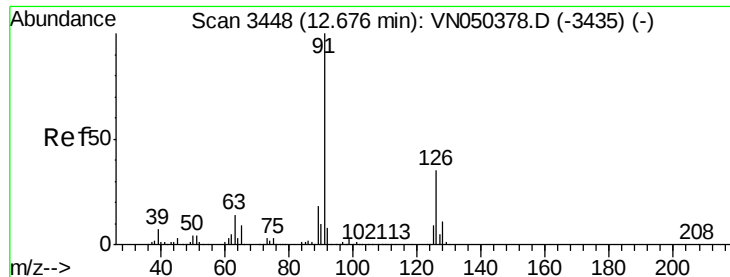
120 23.5 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.37 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

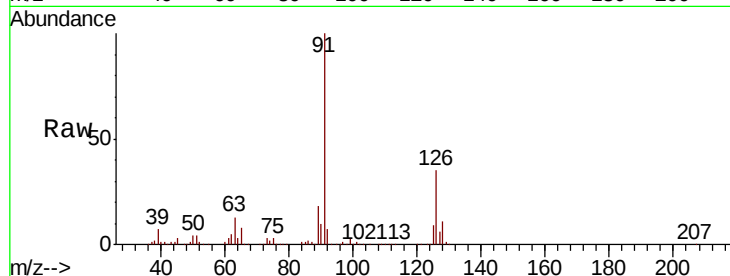
ClientSampled :

Tot Ion: 91 Resp: 1455406

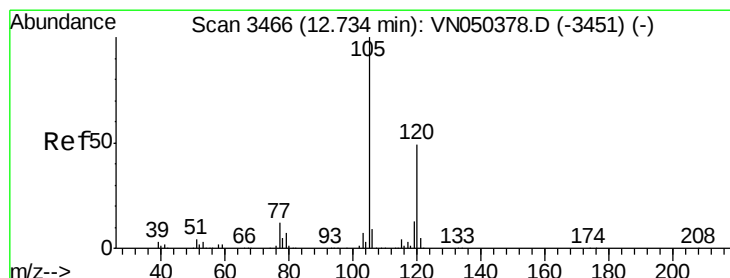
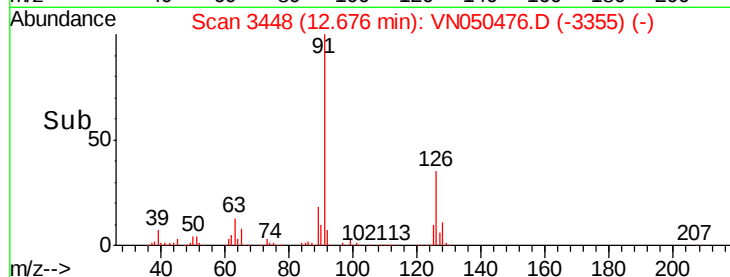
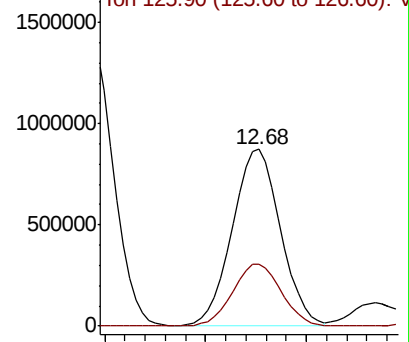
Ion Ratio Lower Upper

91 100

126 35.5 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN050476.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.26 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050476.D

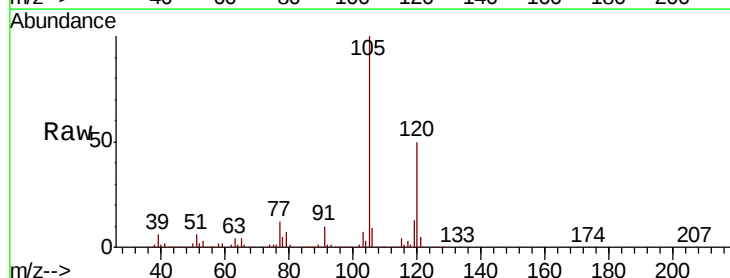
Acq: 9 Aug 2018 11:07

Tgt Ion:105 Resp: 1754569

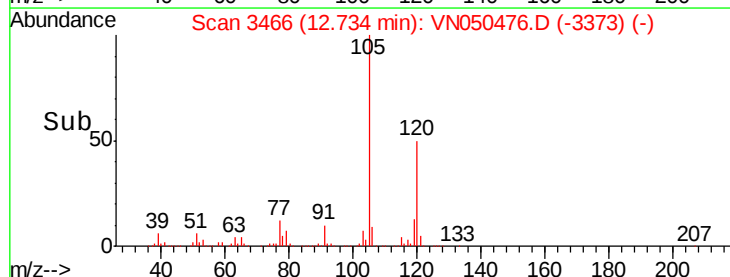
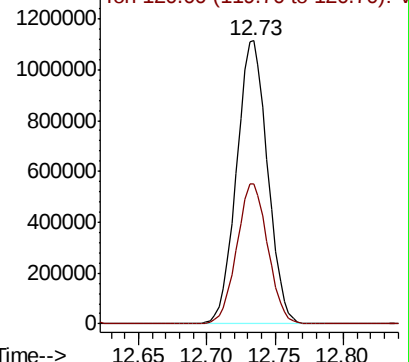
Ion Ratio Lower Upper

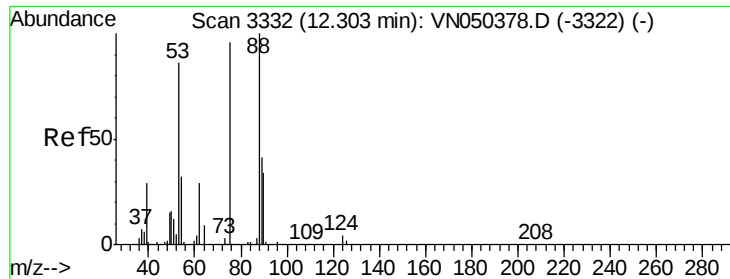
105 100

120 49.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VN050476.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 44.79 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

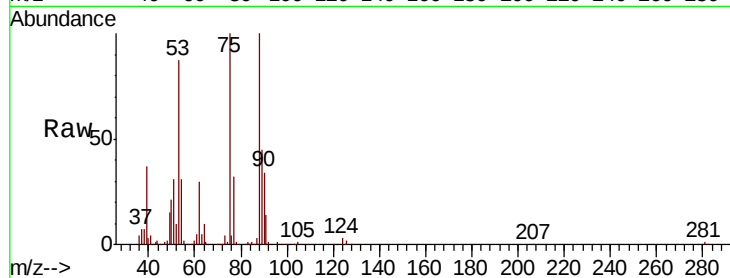
Tot Ion: 75 Resp: 129624

Ion Ratio Lower Upper

75 100

53 88.5 73.5 110.3

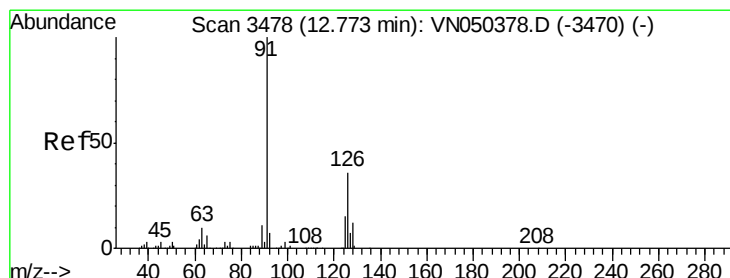
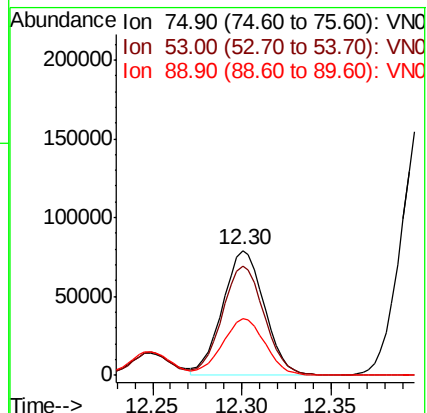
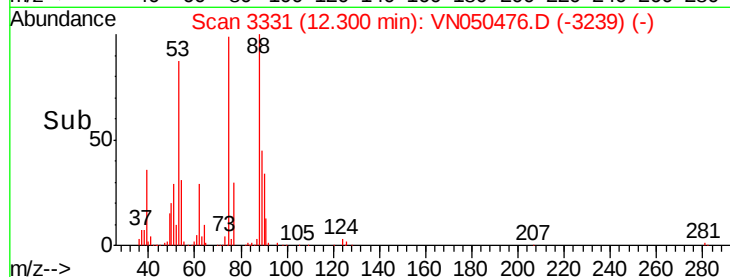
89 46.2 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.48 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050476.D

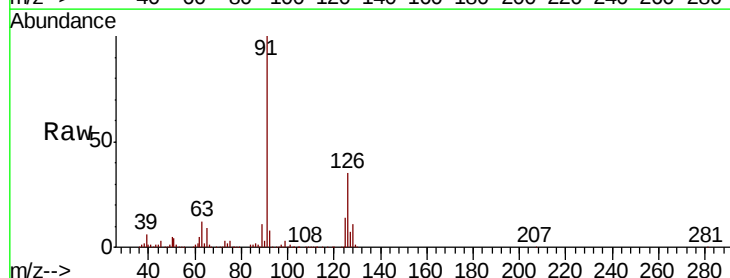
Acq: 9 Aug 2018 11:07

Tgt Ion: 91 Resp: 1484066

Ion Ratio Lower Upper

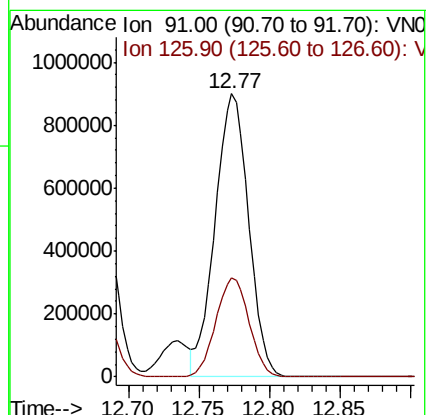
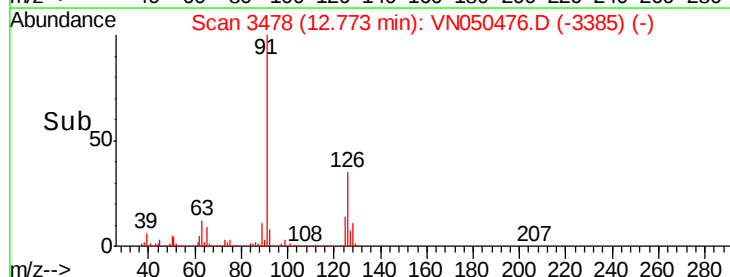
91 100

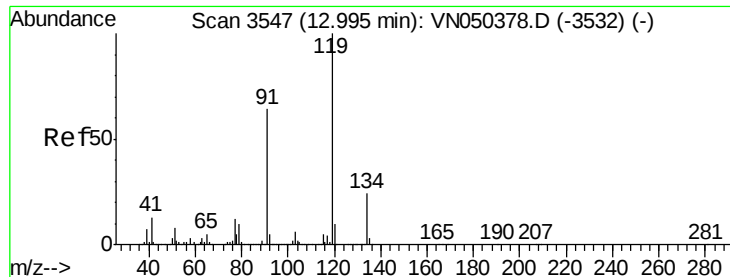
126 34.8 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

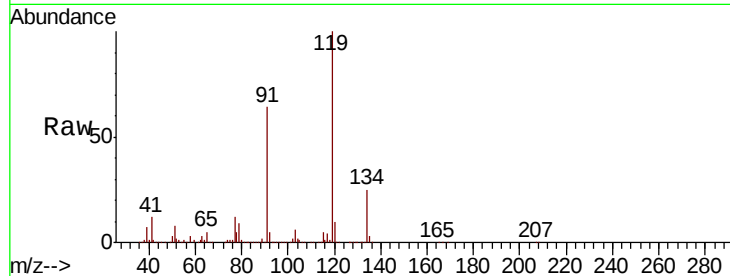




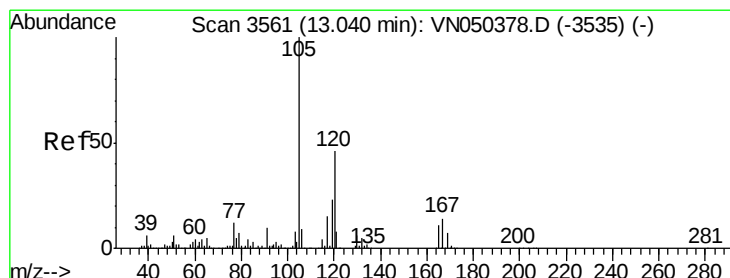
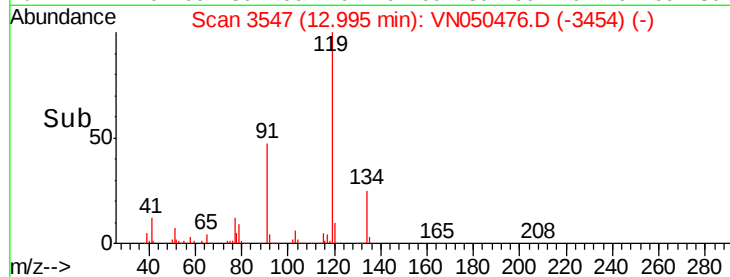
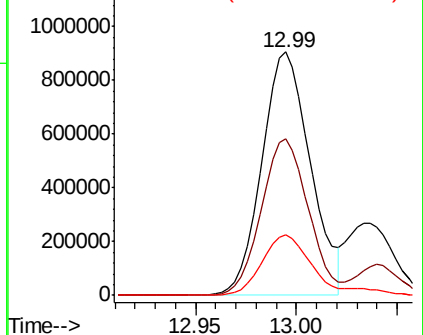
#83
 tert-Butylbenzene
 Concen: 50.93 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 1520904
 Ion Ratio Lower Upper
 119 100
 91 62.4 32.1 96.3
 134 26.3 13.2 39.5

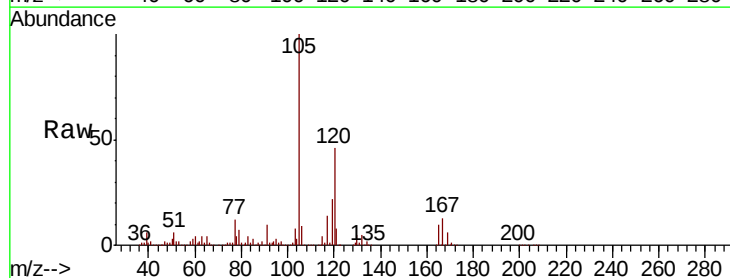


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

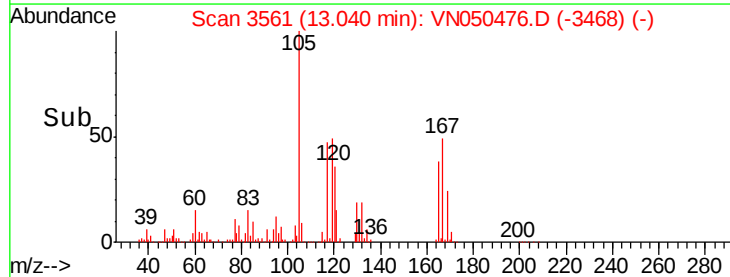
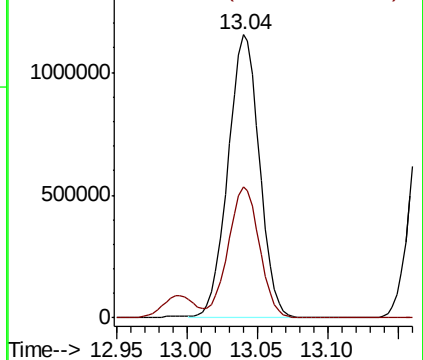


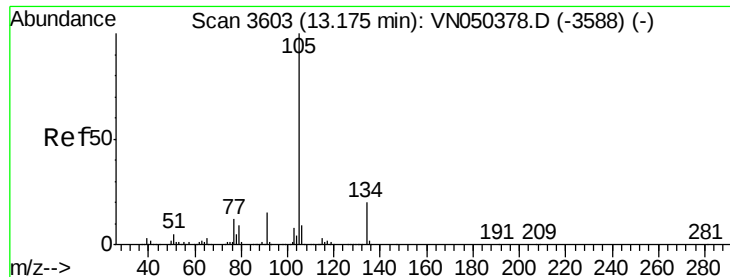
#84
 1,2,4-Trimethylbenzene
 Concen: 51.84 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion:105 Resp: 1797702
 Ion Ratio Lower Upper
 105 100
 120 46.3 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.18 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

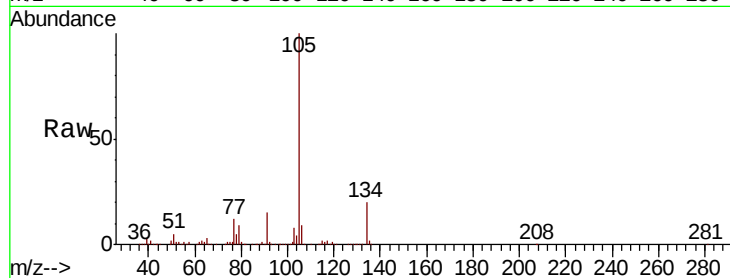
ClientSampled :

Tot Ion:105 Resp: 1997336

Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

1500000 Ion 134.00 (133.70 to 134.70): V

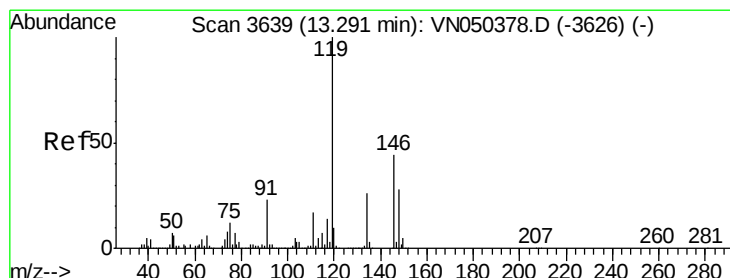
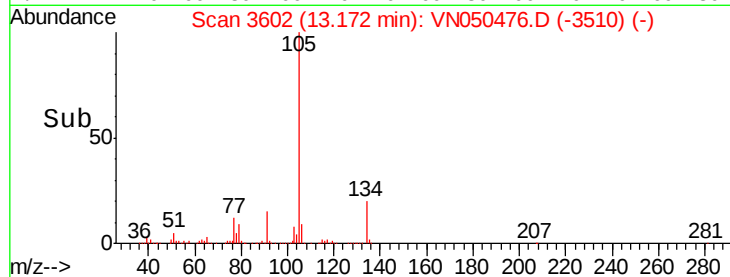
13.17

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 51.44 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

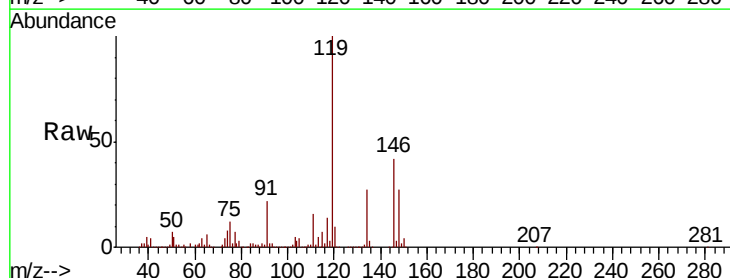
Tgt Ion:119 Resp: 1754720

Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 22.5 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

1500000 Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

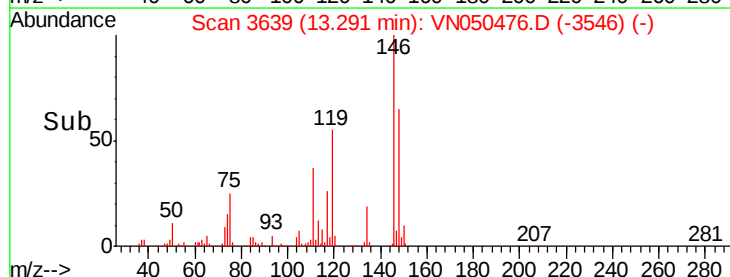
13.29

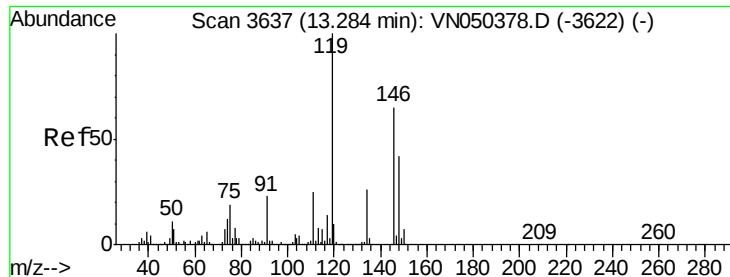
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 49.01 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

ClientSampled :

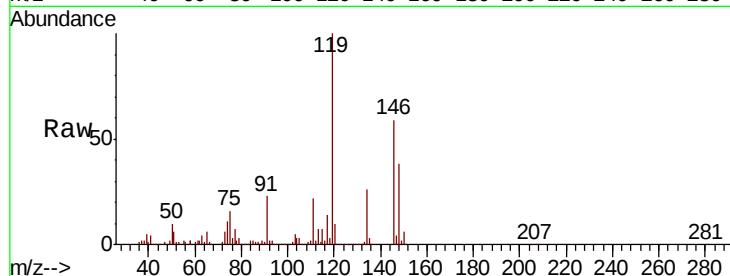
Tot Ion:146 Resp: 986273

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

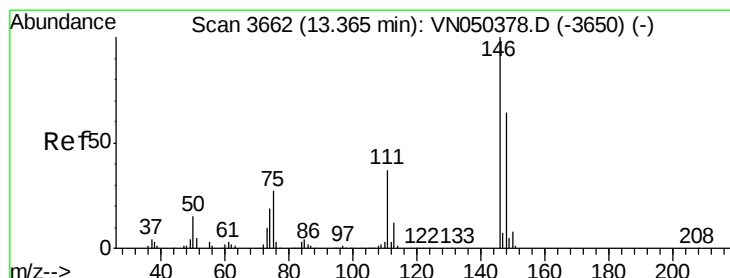
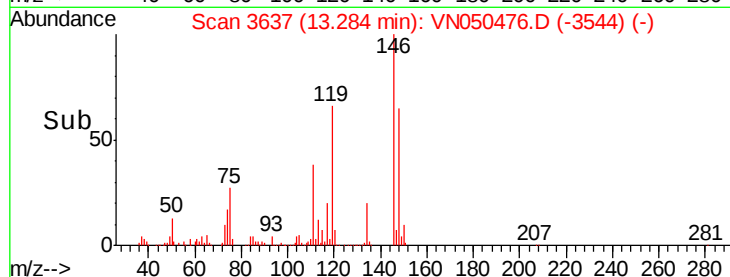
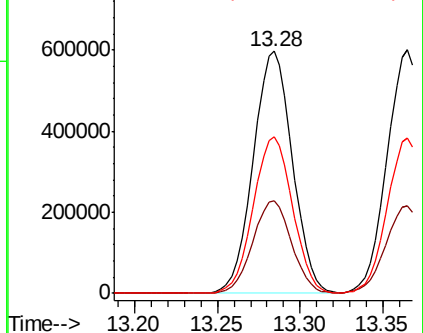
148 64.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 48.02 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

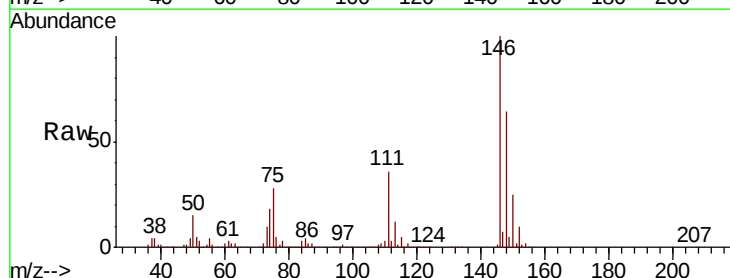
Tgt Ion:146 Resp: 964817

Ion Ratio Lower Upper

146 100

111 36.7 18.3 54.9

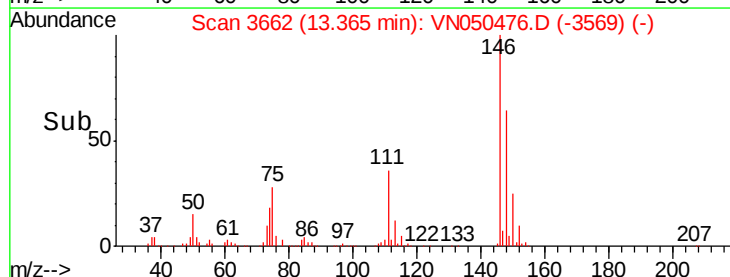
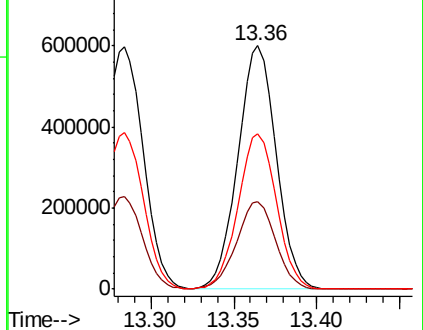
148 64.2 31.9 95.9

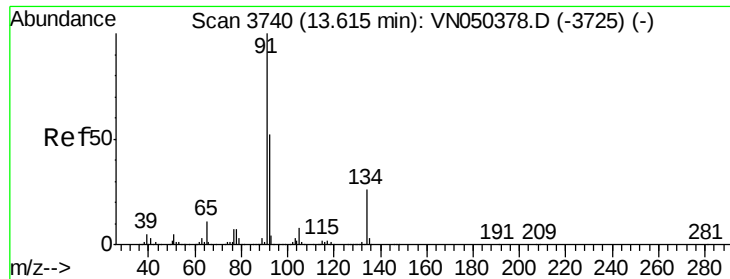


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

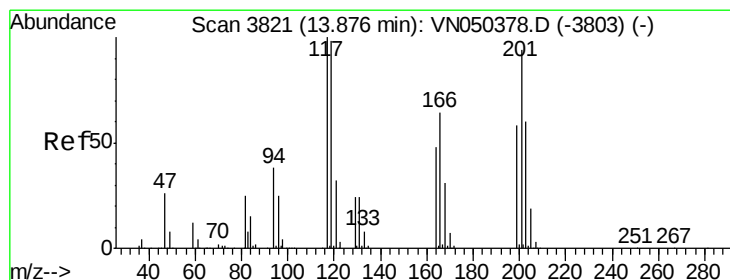
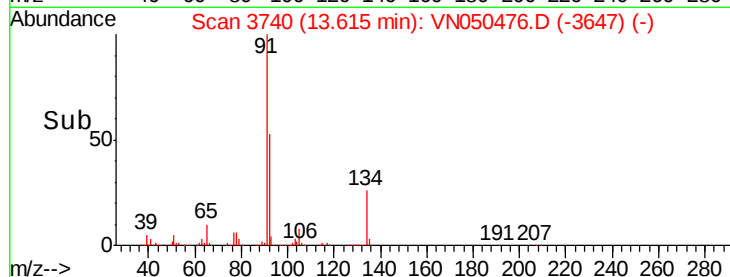
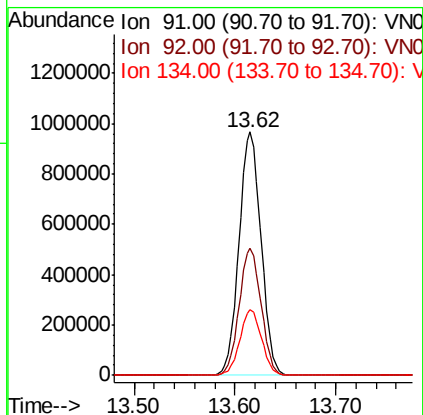
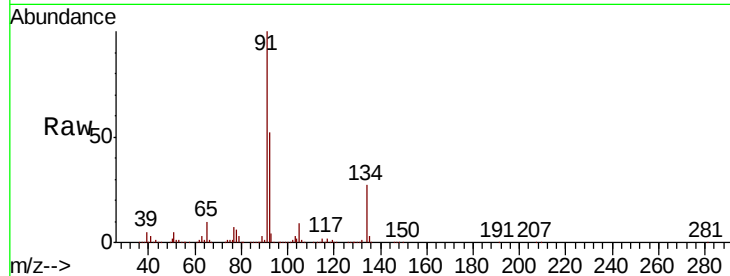




#89
n-Butylbenzene
Concen: 50.18 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

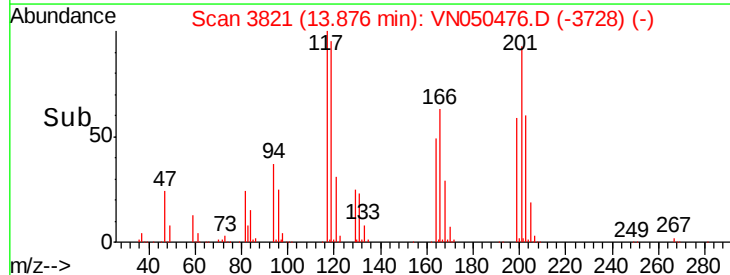
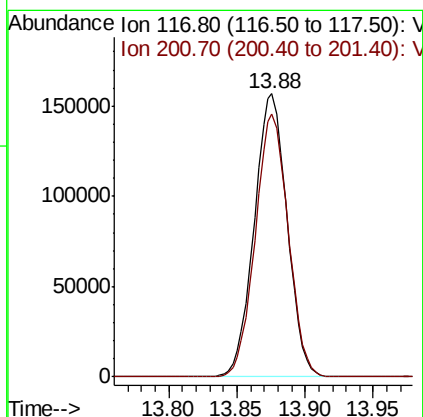
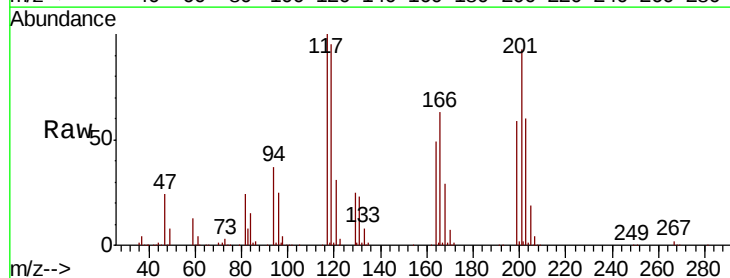
Instrument :
MSVOA_N
ClientSampled :

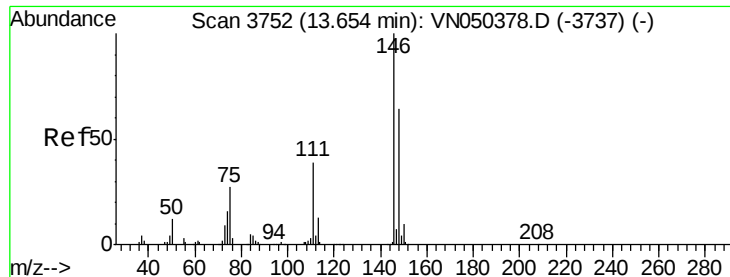
Tot Ion: 91 Resp: 1457246
Ion Ratio Lower Upper
91 100
92 52.1 25.8 77.4
134 26.5 12.8 38.4



#90
Hexachloroethane
Concen: 43.27 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050476.D
Acq: 9 Aug 2018 11:07

Tgt Ion: 117 Resp: 262449
Ion Ratio Lower Upper
117 100
201 92.8 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 47.16 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

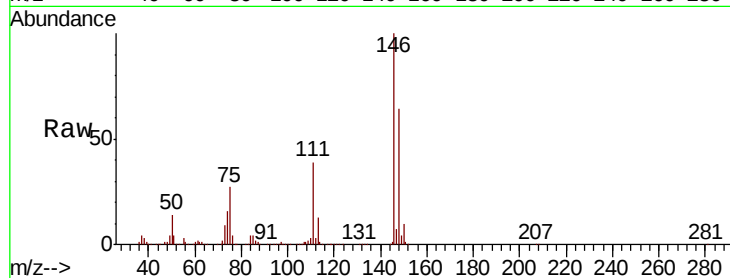
Tot Ion:146 Resp: 951139

Ion Ratio Lower Upper

146 100

111 38.7 19.6 58.7

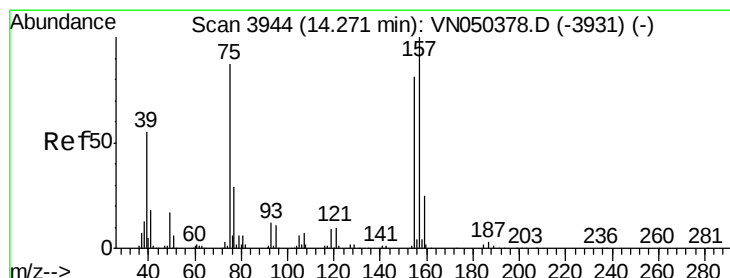
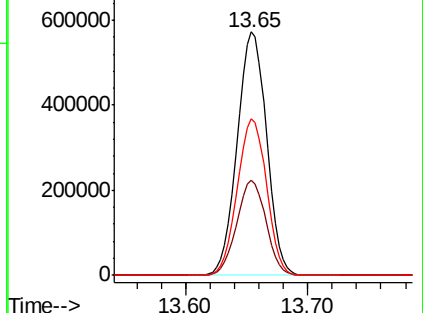
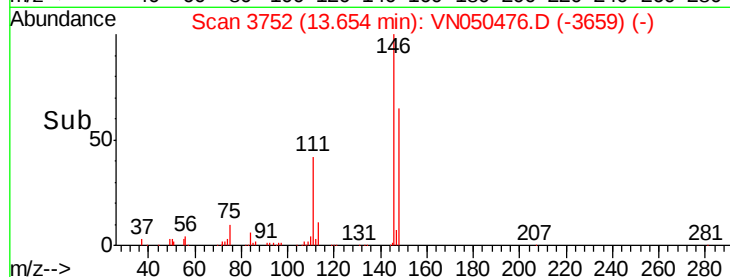
148 64.1 32.1 96.3



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: 37.22 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

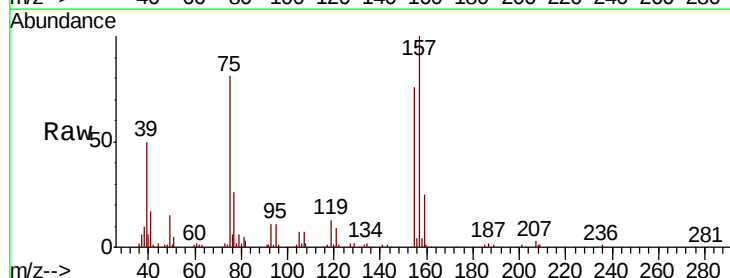
Tgt Ion: 75 Resp: 76887

Ion Ratio Lower Upper

75 100

155 92.5 44.8 134.4

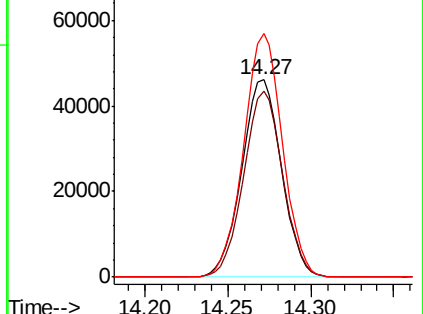
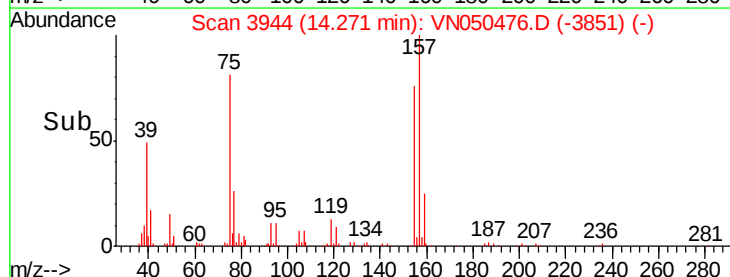
157 120.3 57.2 171.6



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

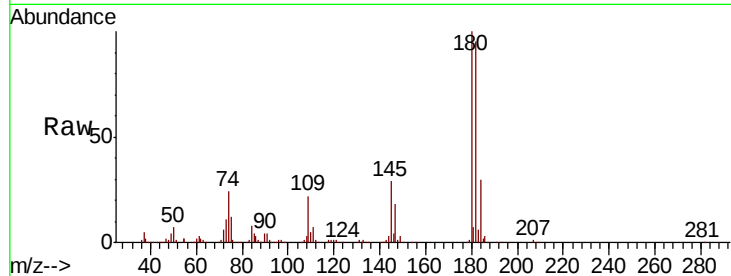




#93
 1,2,4-Trichlorobenzene
 Concen: 47.33 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.7	140.1
145	28.2	13.8	41.4

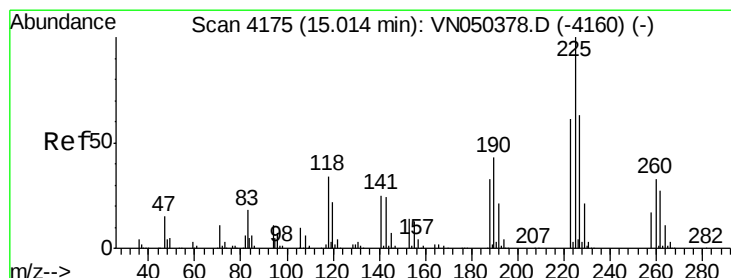
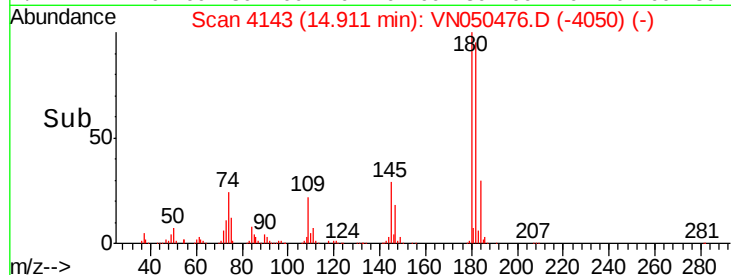
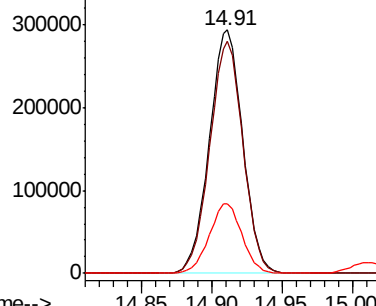


Abundance

Ion 179.80 (179.50 to 180.50): V

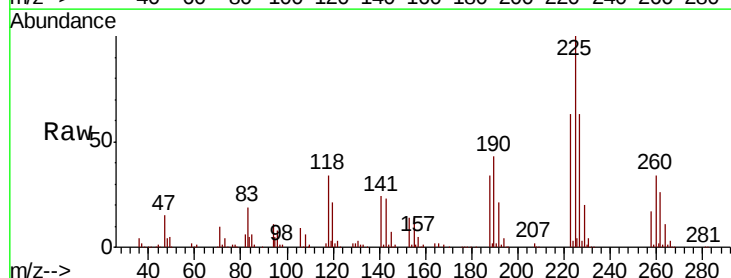
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 53.41 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050476.D
 Acq: 9 Aug 2018 11:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.4	94.2
227	63.2	32.1	96.5

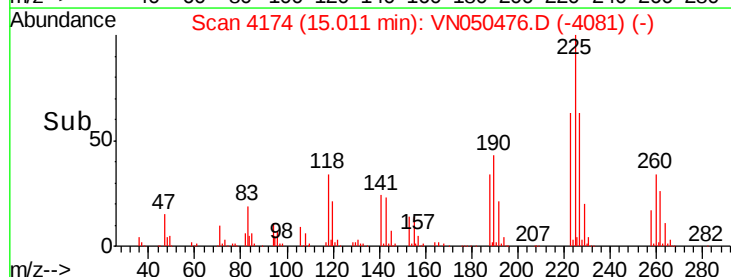
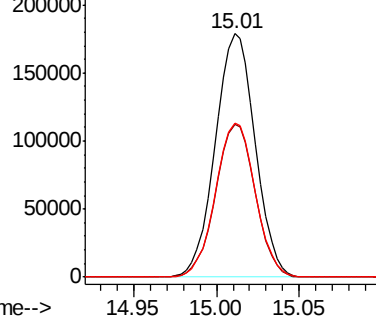


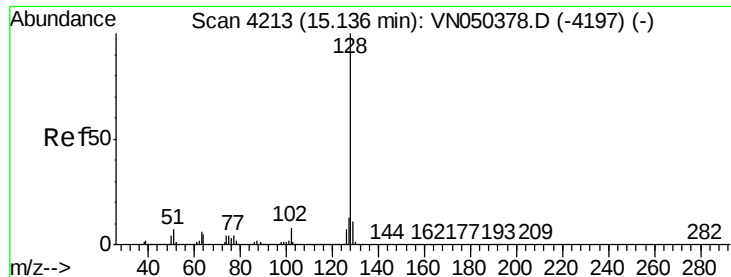
Abundance

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: 38.67 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

Instrument :

MSVOA_N

ClientSampleId :

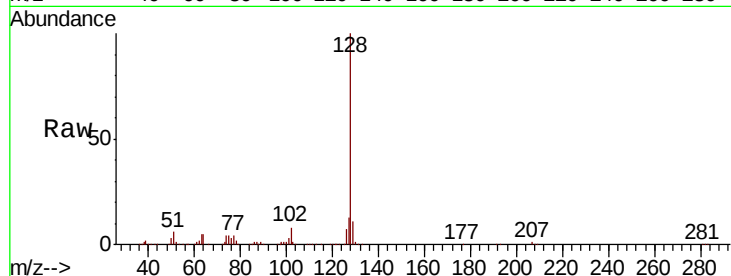
Tot Ion:128 Resp: 1027940

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	8.8	13.2

128 100

127 12.9 10.4 15.6

129 10.8 8.8 13.2

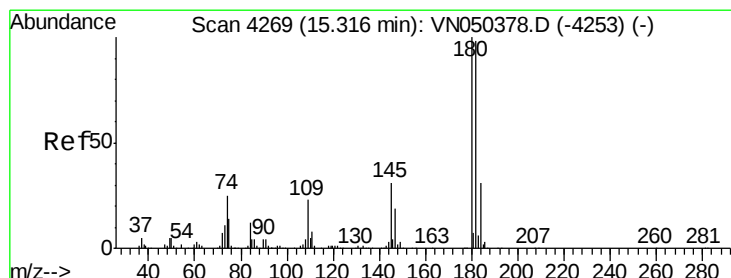
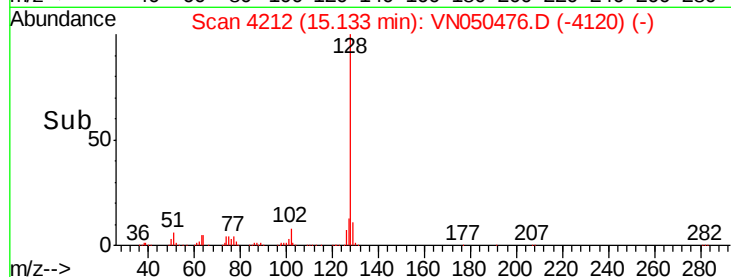
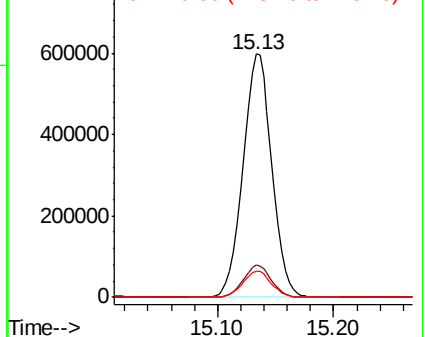


Abundance

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: 43.23 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050476.D

Acq: 9 Aug 2018 11:07

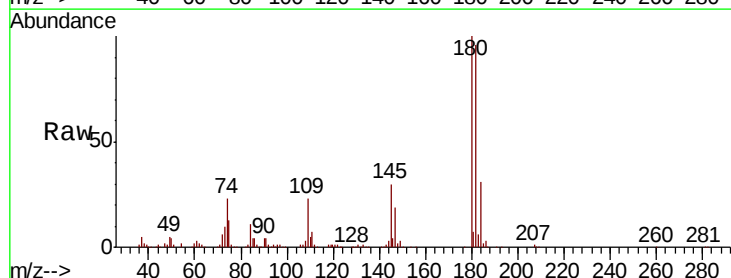
Tgt Ion:180 Resp: 449067

Ion	Ratio	Lower	Upper
180	100		
182	96.0	48.1	144.4
145	30.2	15.3	45.9

180 100

182 96.0 48.1 144.4

145 30.2 15.3 45.9



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

