

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050483.D
 Acq On : 9 Aug 2018 14:12
 Operator : MD\SY
 Sample : VN0809MBSD01
 Misc : 5.00µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 04:02:23 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	7.67	168	762191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1130403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1007034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	509666	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	469136	46.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.14%	
35) Dibromofluoromethane	7.59	113	428179	47.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.42%	
50) Toluene-d8	10.09	98	1593282	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
62) 4-Bromofluorobenzene	12.40	95	529613	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	152640	18.04	ug/l	99
3) Chloromethane	2.06	50	183439	17.39	ug/l	98
4) Vinyl Chloride	2.18	62	203709	18.60	ug/l	100
5) Bromomethane	2.56	94	108404	20.52	ug/l	97
6) Chloroethane	2.70	64	126357	18.73	ug/l	99
7) Trichlorofluoromethane	3.01	101	270197	19.10	ug/l	100
8) Diethyl Ether	3.41	74	95645	18.44	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	165711	18.96	ug/l	98
10) Methyl Iodide	3.95	142	69772	18.12	ug/l	98
11) Tert butyl alcohol	4.80	59	63047	77.07	ug/l	100
12) 1,1-Dichloroethene	3.73	96	154482	18.75	ug/l	97
13) Acrolein	3.61	56	57099	65.45	ug/l	99
14) Allyl chloride	4.33	41	231410	17.49	ug/l	98
15) Acrylonitrile	4.99	53	285763	83.39	ug/l	99
16) Acetone	3.82	43	258972	85.04	ug/l	99
17) Carbon Disulfide	4.05	76	440281	16.43	ug/l	99
18) Methyl Acetate	4.33	43	142281	17.91	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	434451	18.58	ug/l	99
20) Methylene Chloride	4.55	84	179883	18.39	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	162368	18.21	ug/l	97
22) Diisopropyl ether	5.96	45	521479	19.29	ug/l	98
23) Vinyl Acetate	5.90	43	1751425	90.81	ug/l	99
24) 1,1-Dichloroethane	5.85	63	304695	18.37	ug/l	99
25) 2-Butanone	6.84	43	414964	82.23	ug/l	98
26) 2,2-Dichloropropane	6.83	77	241055	17.63	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	187439	18.97	ug/l	99
28) Bromochloromethane	7.20	49	140321	18.38	ug/l	95
29) Tetrahydrofuran	7.22	42	219641	81.32	ug/l	98
30) Chloroform	7.37	83	315407	19.02	ug/l	99
31) Cyclohexane	7.66	56	268606	18.00	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	273435	19.20	ug/l	98
36) 1,1-Dichloropropene	7.80	75	233436	18.79	ug/l	100
37) Ethyl Acetate	6.93	43	153867	17.20	ug/l	99
38) Carbon Tetrachloride	7.77	117	239288	18.47	ug/l	99

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 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	241971	17.85	ug/l	99
40) Benzene	8.04	78	710223	18.60	ug/l	99
41) Methacrylonitrile	7.18	41	78099	16.42	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	227048	18.73	ug/l	98
43) Isopropyl Acetate	8.17	43	274668	17.79	ug/l	99
44) Trichloroethene	8.84	130	192579	18.77	ug/l	100
45) 1,2-Dichloropropane	9.12	63	185694	18.50	ug/l	99
46) Dibromomethane	9.21	93	114270	18.43	ug/l	96
47) Bromodichloromethane	9.40	83	238214	18.55	ug/l	99
48) Methyl methacrylate	9.20	41	130985	16.93	ug/l	97
49) 1,4-Dioxane	9.20	88	38215	320.36	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	950718	85.50	ug/l	99
52) Toluene	10.16	92	444127	19.36	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	236170	18.32	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	269459	18.73	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	164286	18.35	ug/l	98
56) Ethyl methacrylate	10.43	69	204945	17.33	ug/l	97
57) 1,3-Dichloropropane	10.71	76	273692	18.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	473142	85.13	ug/l	98
59) 2-Hexanone	10.75	43	628792	81.02	ug/l	99
60) Dibromochloromethane	10.90	129	184461	18.70	ug/l	99
61) 1,2-Dibromoethane	11.01	107	162207	18.38	ug/l	98
64) Tetrachloroethene	10.63	164	182820	19.43	ug/l	99
65) Chlorobenzene	11.44	112	482101	19.10	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	180578	19.65	ug/l	100
67) Ethyl Benzene	11.51	91	804803	19.72	ug/l	99
68) m/p-Xylenes	11.62	106	627638	40.40	ug/l	100
69) o-Xylene	11.95	106	300064	20.05	ug/l	99
70) Styrene	11.97	104	480562	19.75	ug/l	100
71) Bromoform	12.13	173	124862	18.59	ug/l #	99
73) Isopropylbenzene	12.25	105	794059	20.76	ug/l	99
74) N-amyl acetate	12.07	43	218304	17.60	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	207648	18.81	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	240866	26.11	ug/l #	100
77) Bromobenzene	12.53	156	207202	20.22	ug/l	98
78) n-propylbenzene	12.59	91	886634	20.47	ug/l	99
79) 2-Chlorotoluene	12.68	91	542949	20.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	648036	20.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45894	17.48	ug/l	99
82) 4-Chlorotoluene	12.78	91	538497	20.19	ug/l	98
83) tert-Butylbenzene	12.99	119	552033	20.38	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	653754	20.78	ug/l	100
85) sec-Butylbenzene	13.17	105	718593	19.90	ug/l	99
86) p-Isopropyltoluene	13.29	119	619517	20.02	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	355560	19.48	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	345261	18.94	ug/l	99
89) n-Butylbenzene	13.62	91	470699	17.87	ug/l	100
90) Hexachloroethane	13.88	117	102749	18.67	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	346423	18.93	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29030	15.49	ug/l	92

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Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 10 04:02:23 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

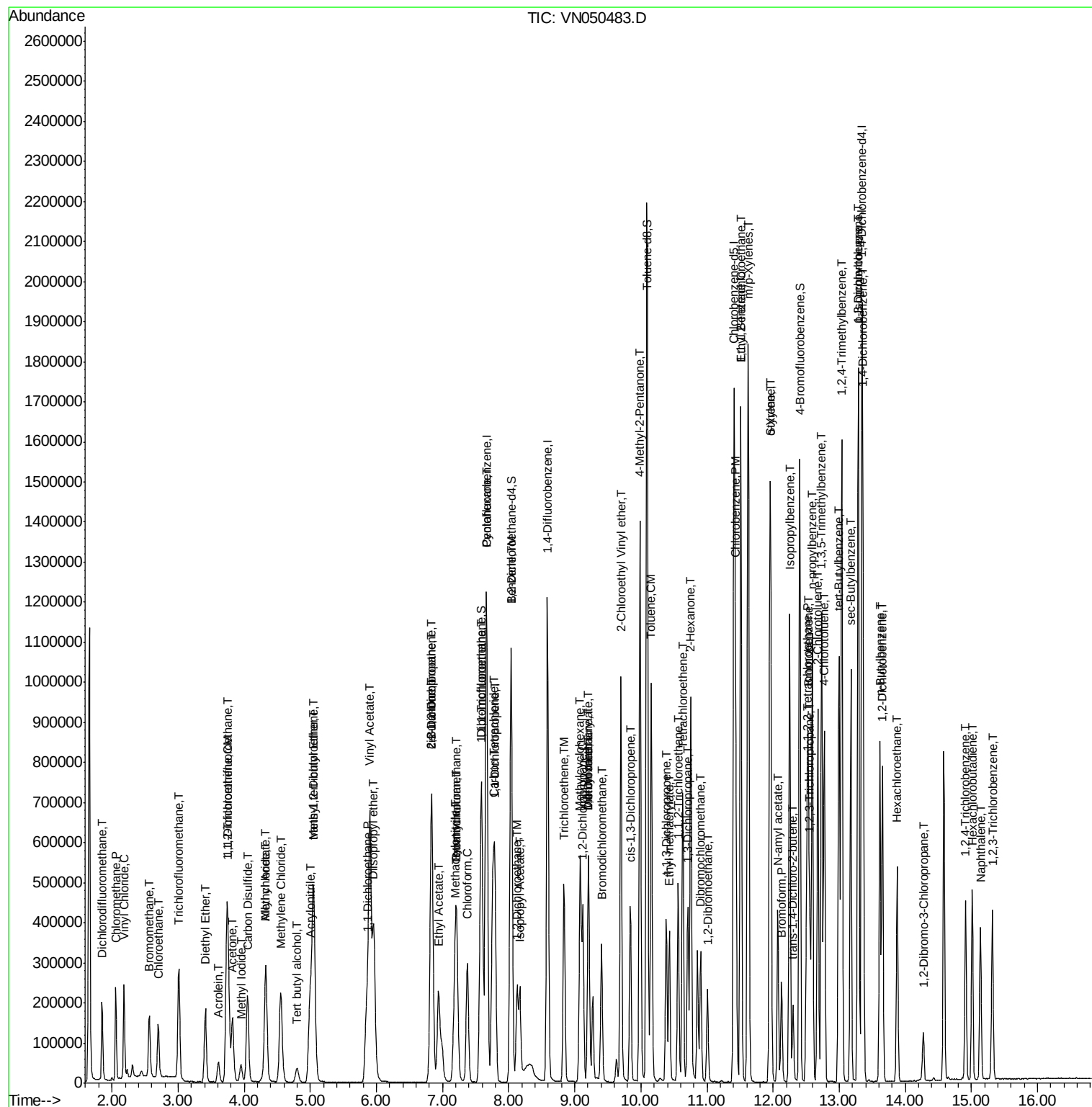
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	158219	16.97	ug/l	98
94) Hexachlorobutadiene	15.01	225	100467	18.70	ug/l	100
95) Naphthalene	15.14	128	336517	16.27	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	154677	16.41	ug/l	99

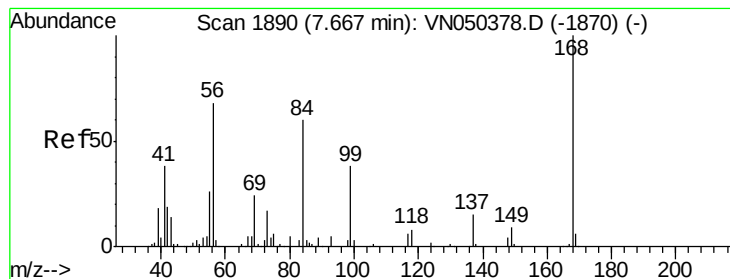
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ClientSampleId :

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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

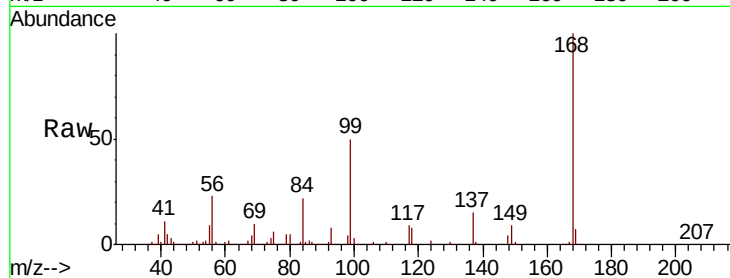
ClientSampled :

Tot Ion:168 Resp: 762191

Ion Ratio Lower Upper

168 100

99 50.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

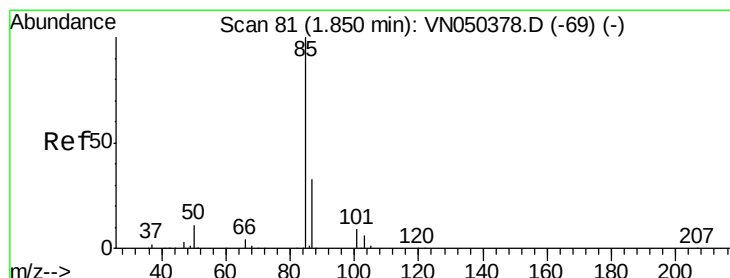
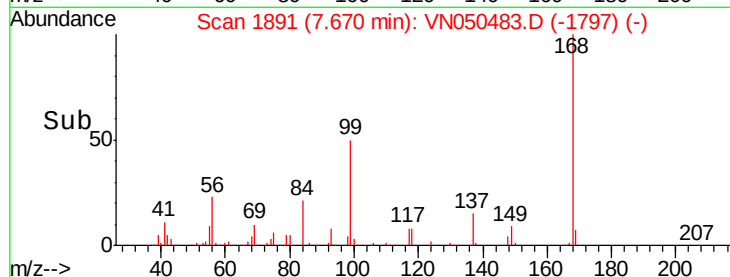
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.04 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050483.D

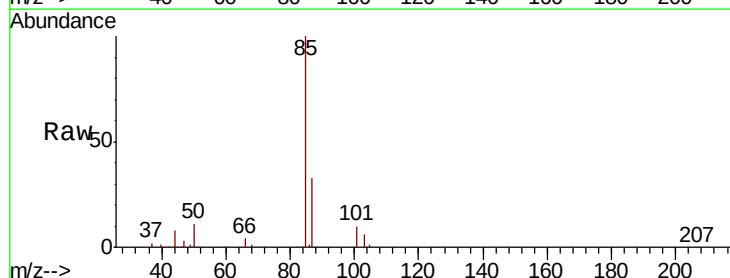
Acq: 9 Aug 2018 14:12

Tgt Ion: 85 Resp: 152640

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

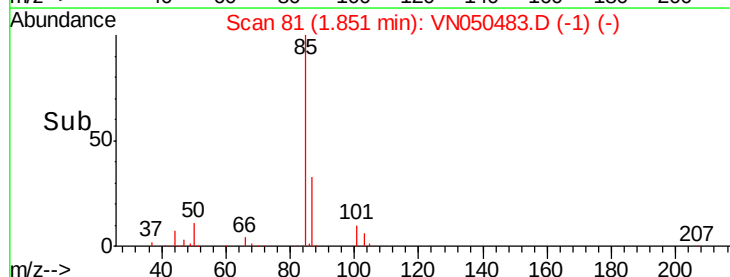
40000

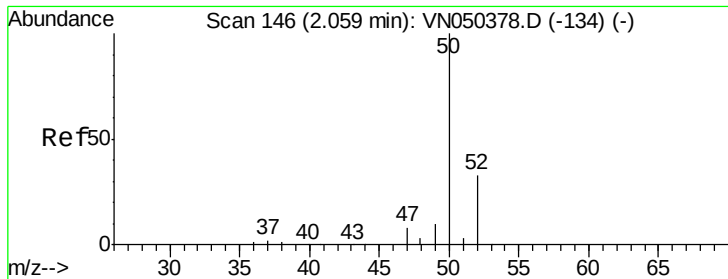
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 17.39 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

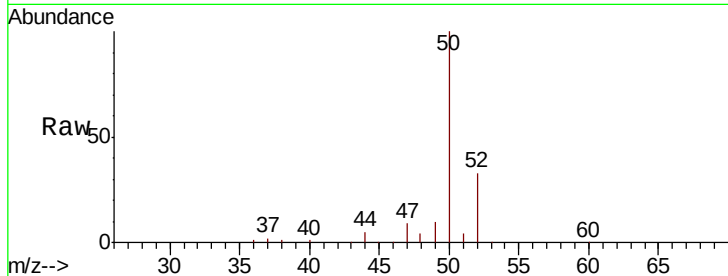
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 183439

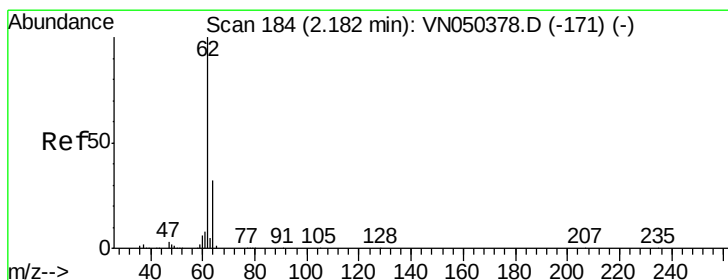
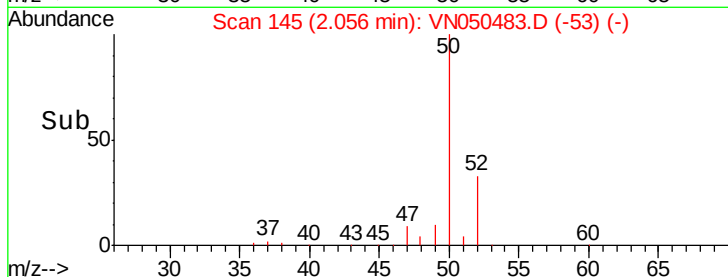
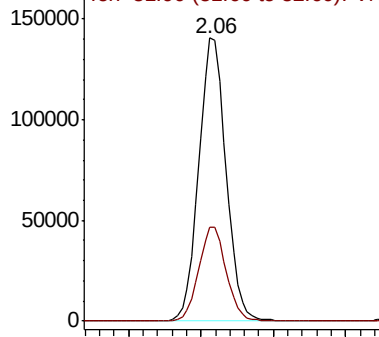
Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9



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



#4

Vinyl Chloride

Concen: 18.60 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050483.D

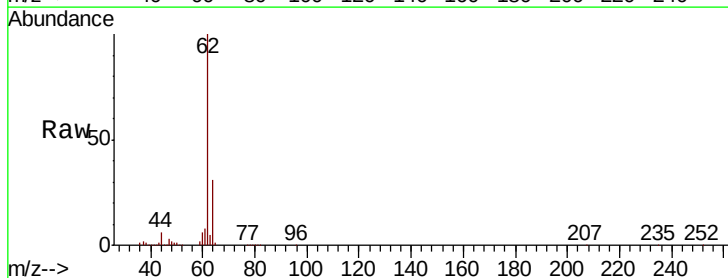
Acq: 9 Aug 2018 14:12

Tgt Ion: 62 Resp: 203709

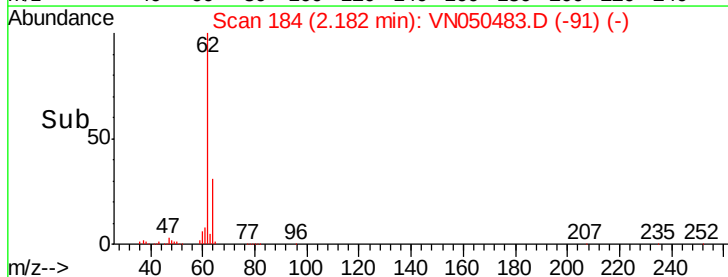
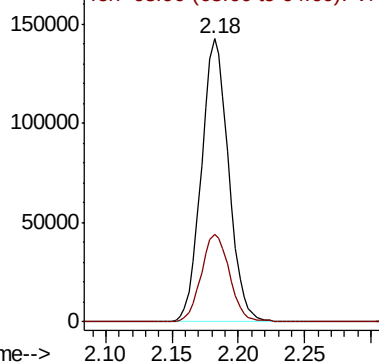
Ion Ratio Lower Upper

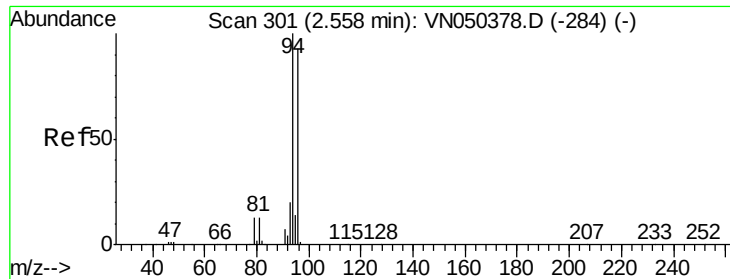
62 100

64 30.7 24.7 37.1



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





#5

Bromomethane

Concen: 20.52 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

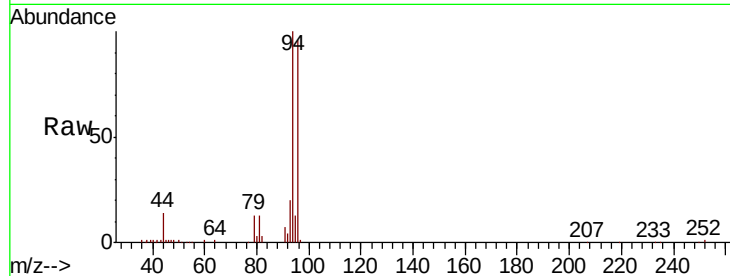
ClientSampled :

Tot Ion: 94 Resp: 108404

Ion Ratio Lower Upper

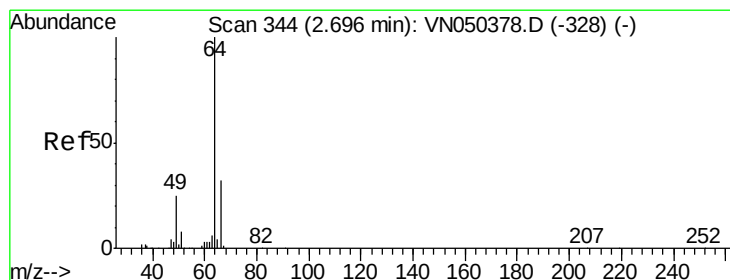
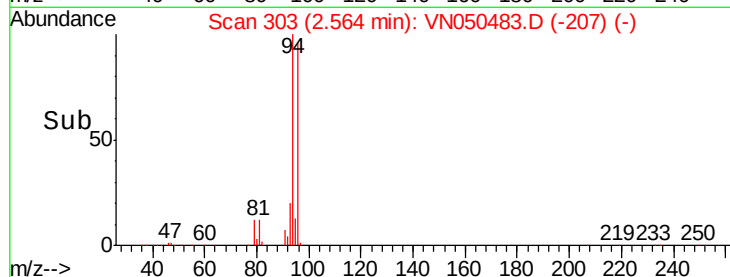
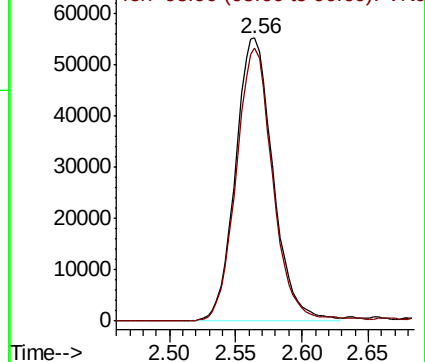
94 100

96 96.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.73 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050483.D

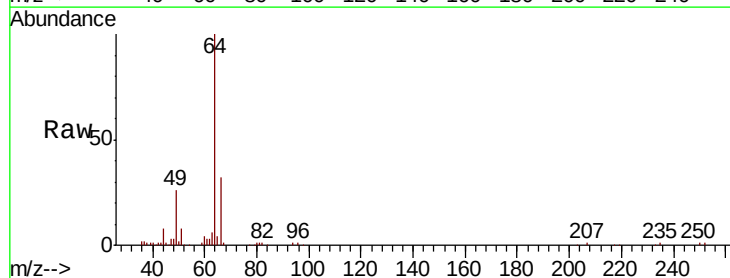
Acq: 9 Aug 2018 14:12

Tgt Ion: 64 Resp: 126357

Ion Ratio Lower Upper

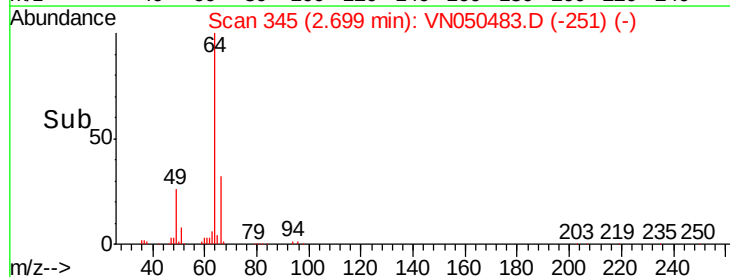
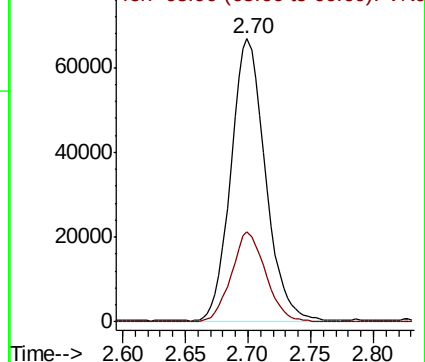
64 100

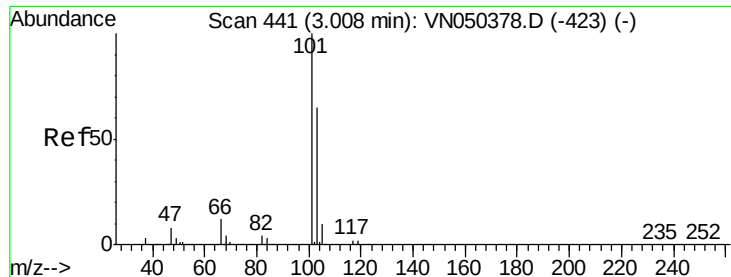
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



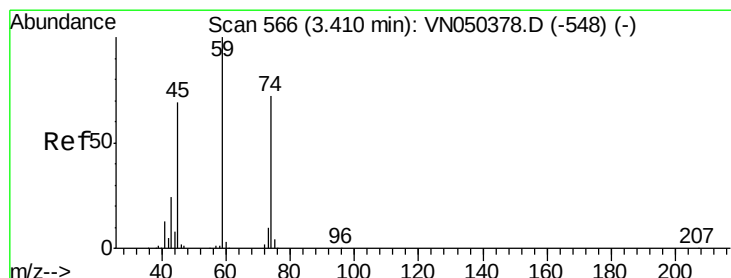
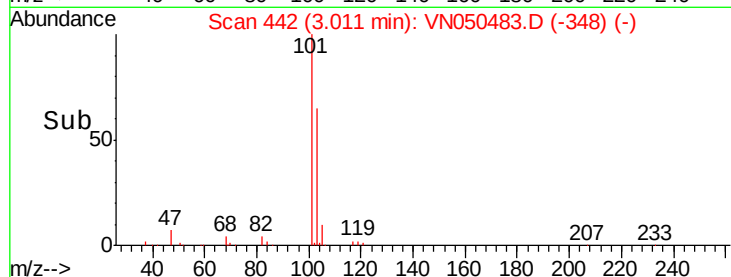
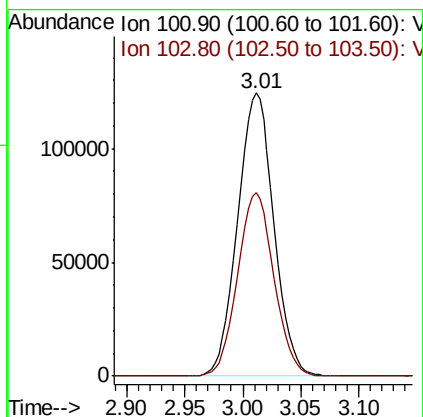
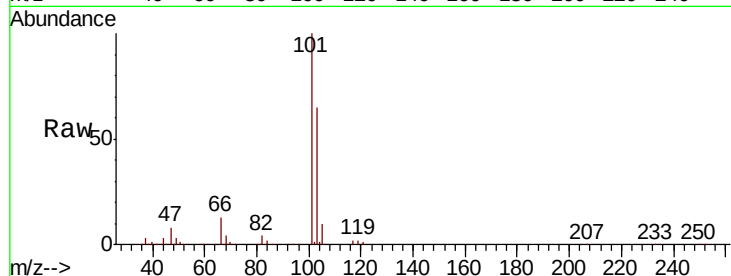


#7

Trichlorofluoromethane
Concen: 19.10 ug/l
RT: 3.01 min Scan# 442
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :

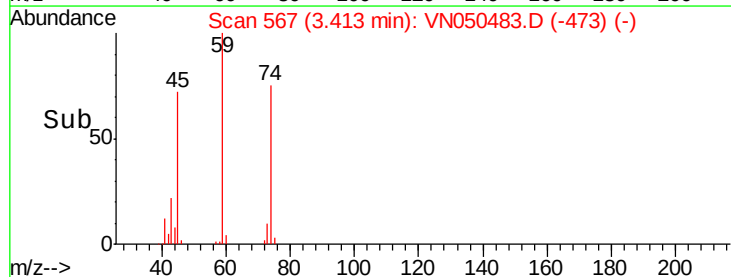
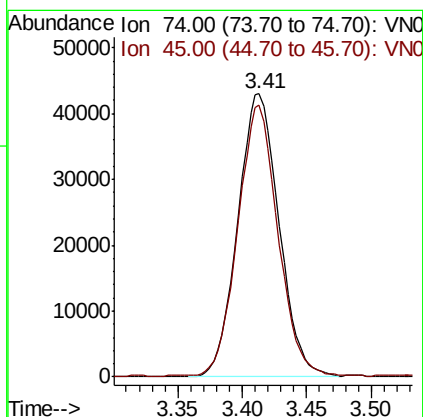
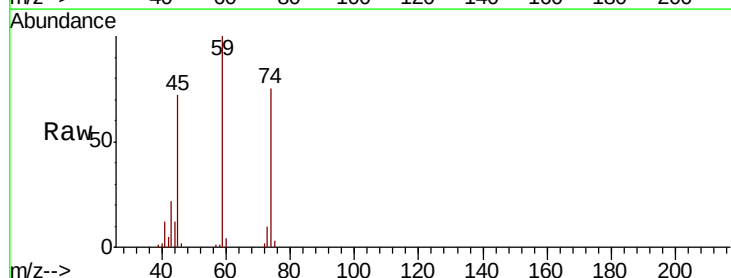
Tot Ion:101 Resp: 270197
Ion Ratio Lower Upper
101 100
103 64.8 51.7 77.5

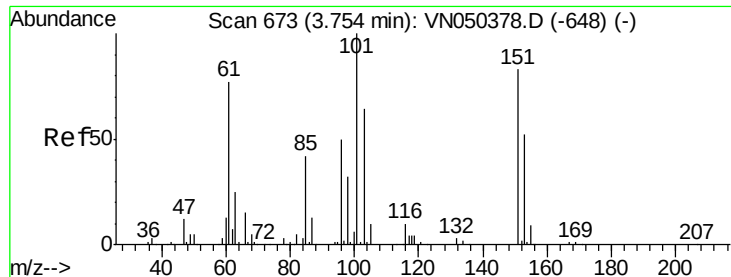


#8

Diethyl Ether
Concen: 18.44 ug/l
RT: 3.41 min Scan# 567
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 74 Resp: 95645
Ion Ratio Lower Upper
74 100
45 92.8 47.6 142.8

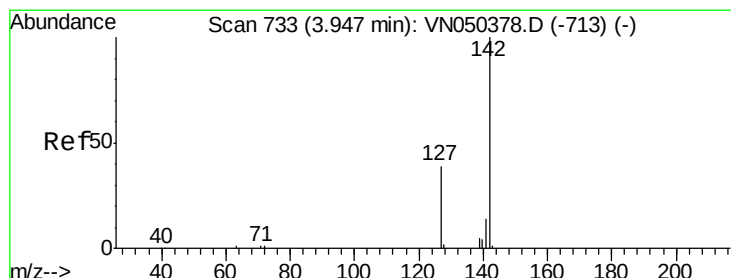
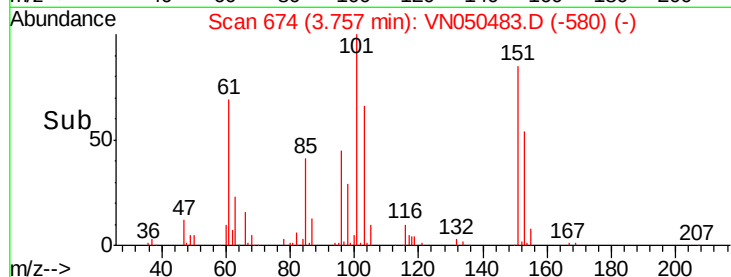
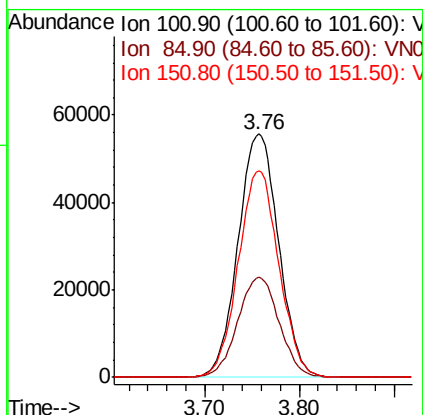
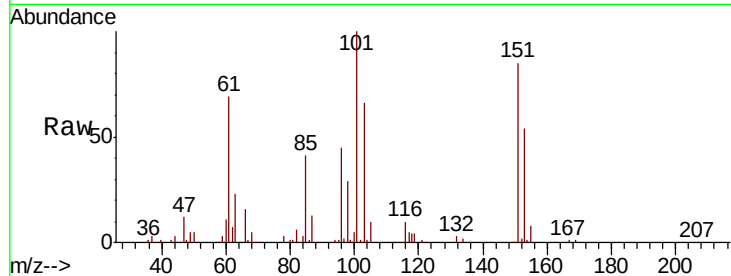




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.96 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

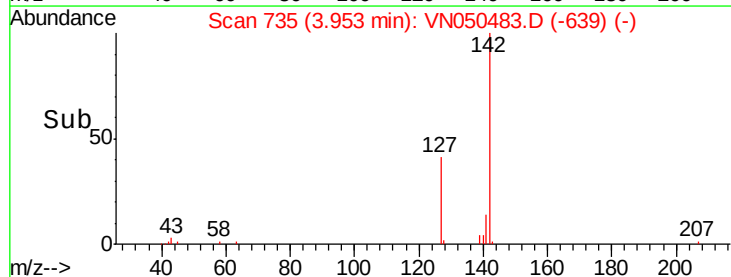
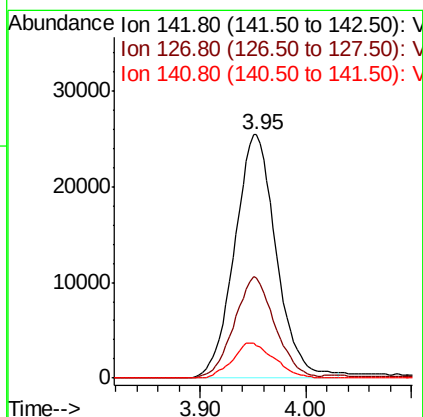
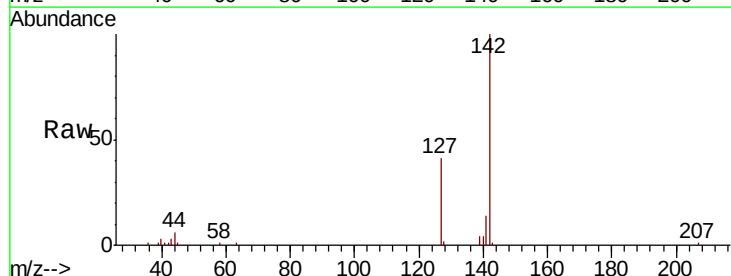
Instrument :
 MSVOA_N
 ClientSampled :

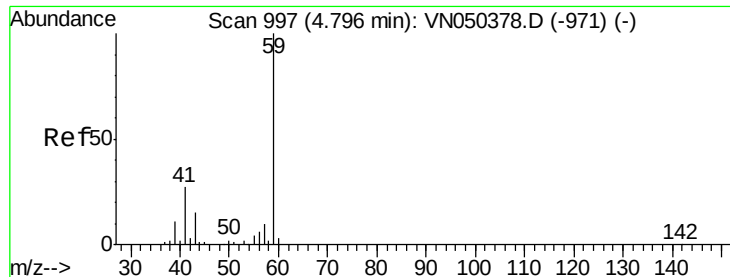
Tot Ion:	101	Resp:	165711
Ion	Ratio	Lower	Upper
101	100		
85	42.2	34.2	51.2
151	85.1	66.3	99.5



#10
 Methyl Iodide
 Concen: 18.12 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.01 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion:	142	Resp:	69772
Ion	Ratio	Lower	Upper
142	100		
127	40.5	33.4	50.2
141	14.4	11.6	17.4



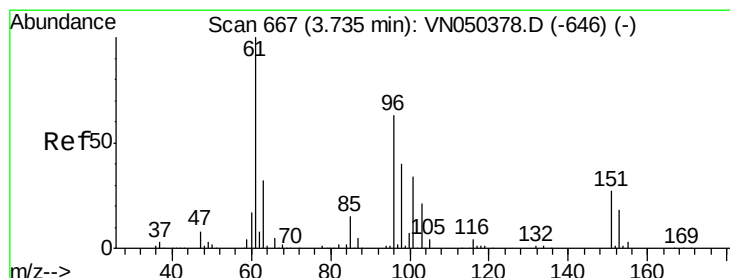
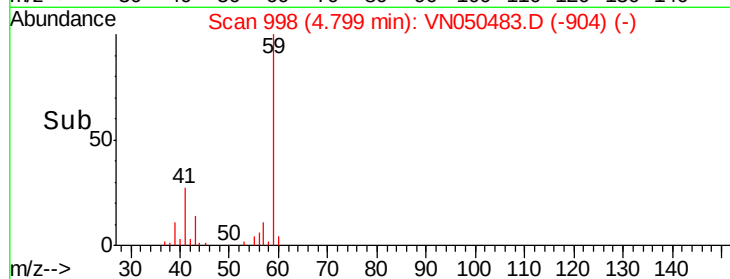
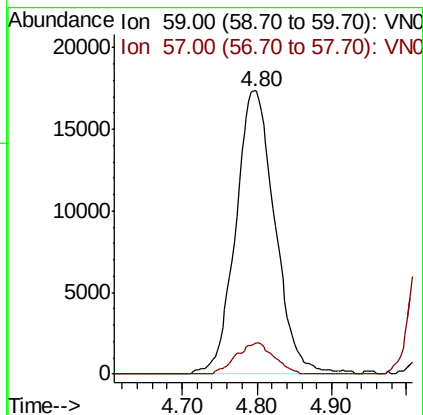
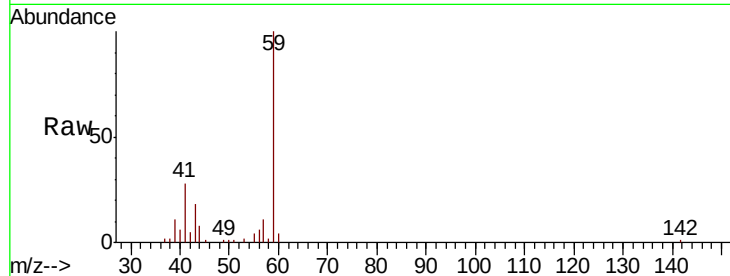


#11

Tert butyl alcohol
Concen: 77.07 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :

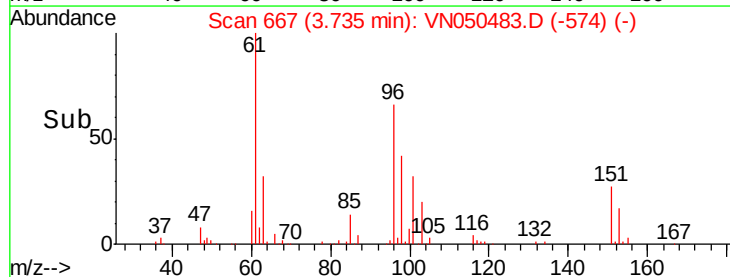
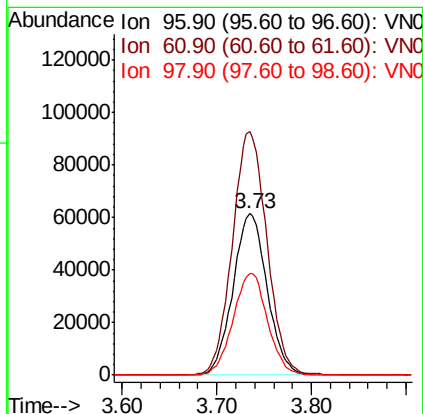
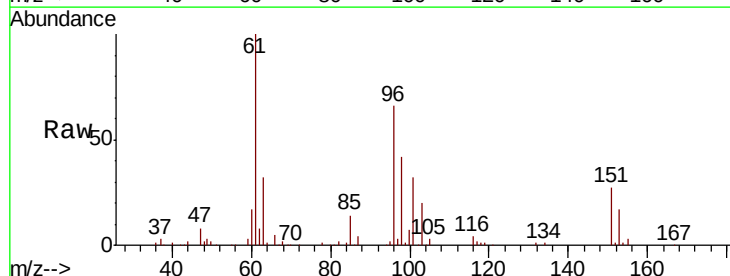
Tot Ion: 59 Resp: 63047
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

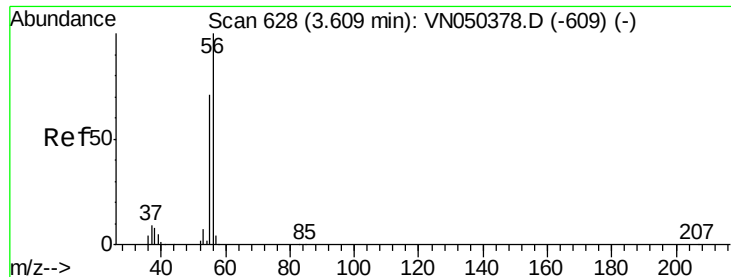


#12

1,1-Dichloroethene
Concen: 18.75 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 96 Resp: 154482
Ion Ratio Lower Upper
96 100
61 150.8 124.4 186.6
98 62.6 48.3 72.5





#13

Acrolein

Concen: 65.45 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

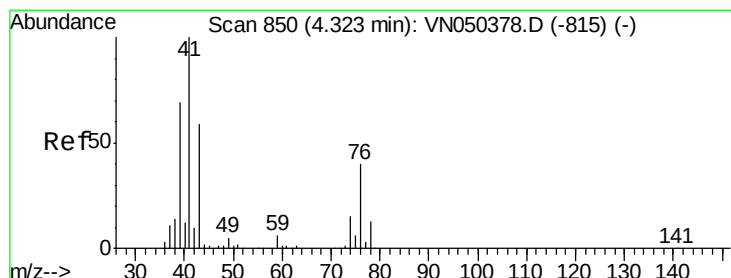
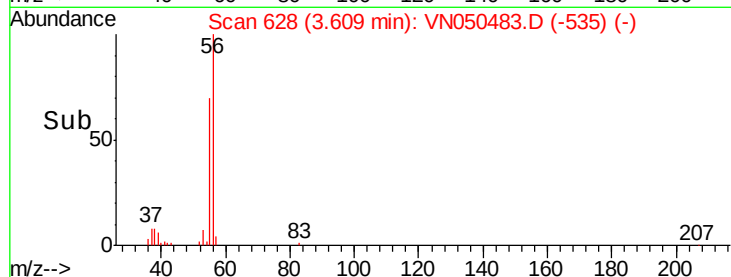
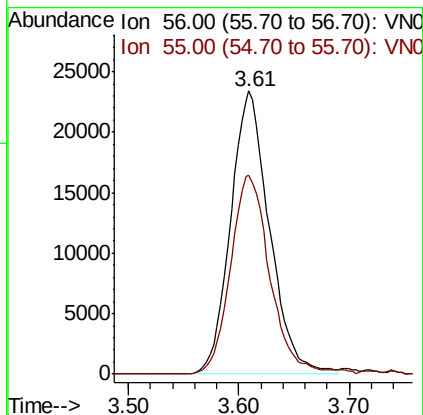
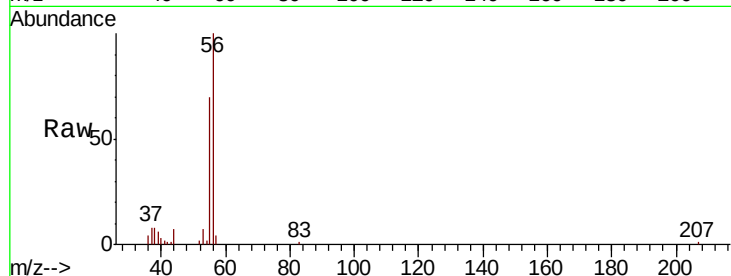
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 57099

Ion Ratio Lower Upper

56 100

55 70.8 55.8 83.6



#14

Allyl chloride

Concen: 17.49 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

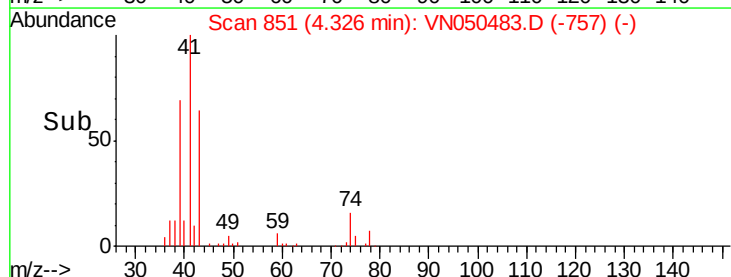
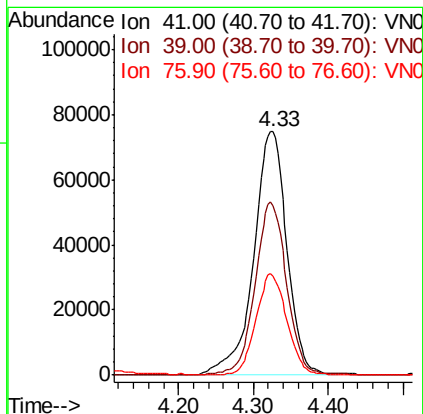
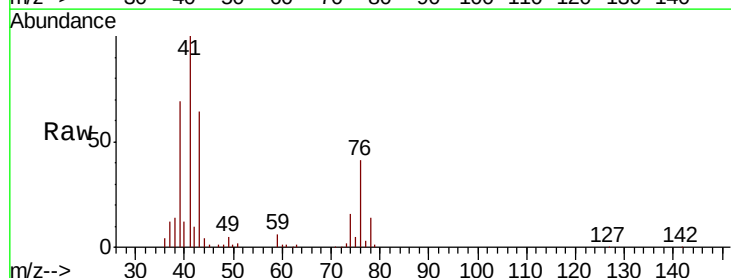
Tgt Ion: 41 Resp: 231410

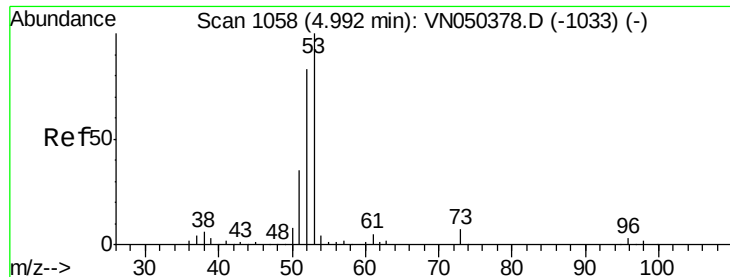
Ion Ratio Lower Upper

41 100

39 67.2 54.2 81.4

76 38.8 29.0 43.6





#15

Acrylonitrile

Concen: 83.39 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :

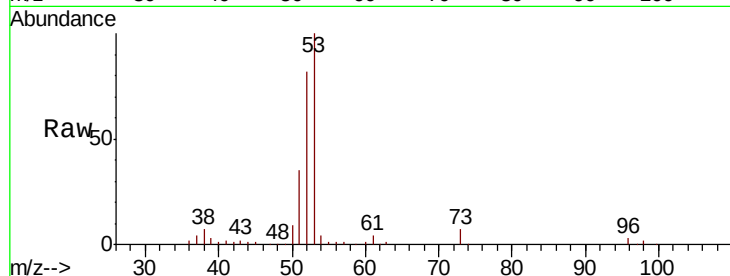
Tot Ion: 53 Resp: 285763

Ion Ratio Lower Upper

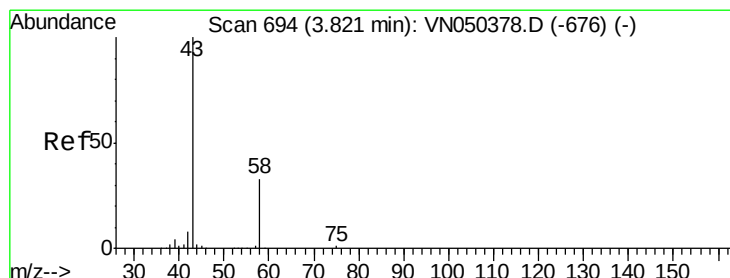
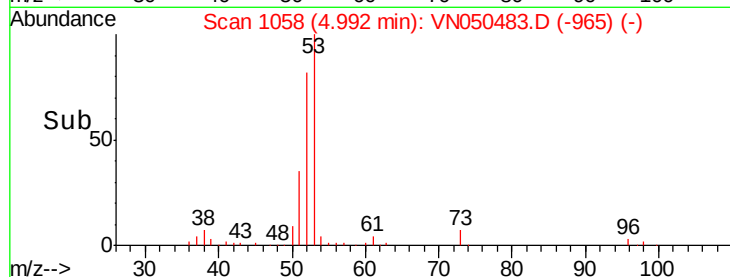
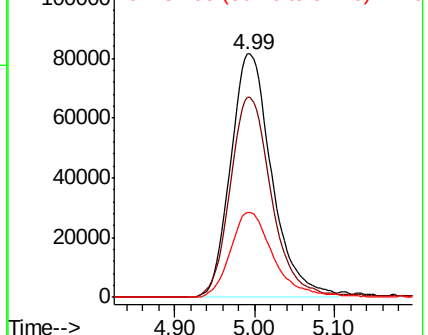
53 100

52 81.7 66.2 99.2

51 36.6 29.3 43.9



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 85.04 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050483.D

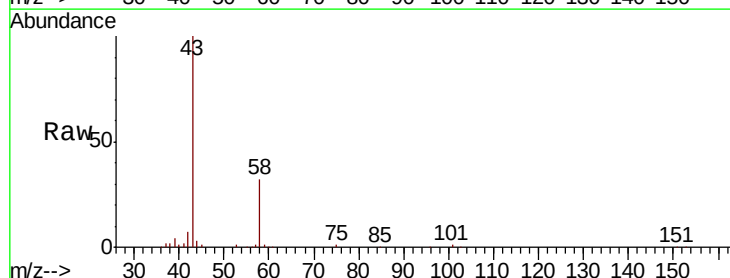
Acq: 9 Aug 2018 14:12

Tgt Ion: 43 Resp: 258972

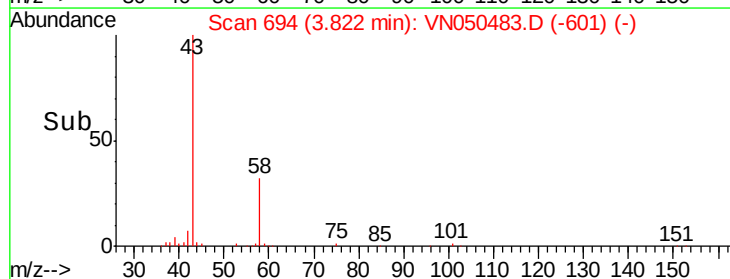
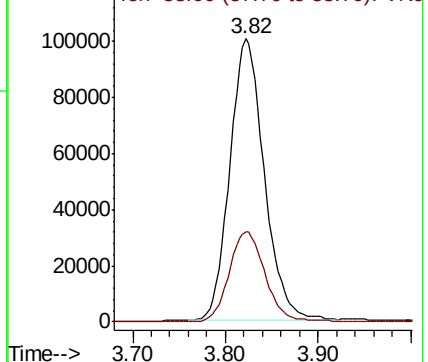
Ion Ratio Lower Upper

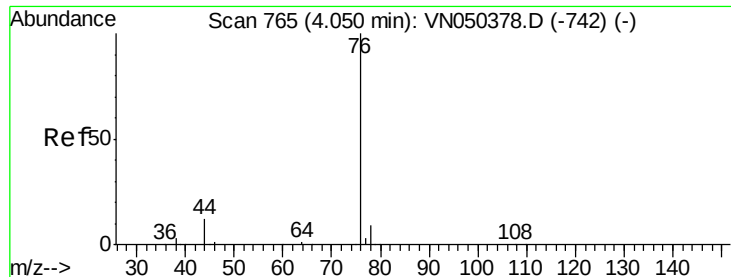
43 100

58 31.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

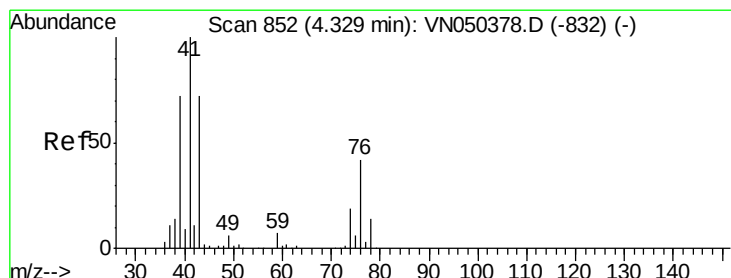
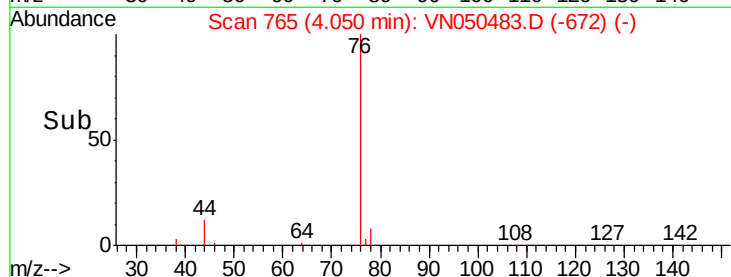
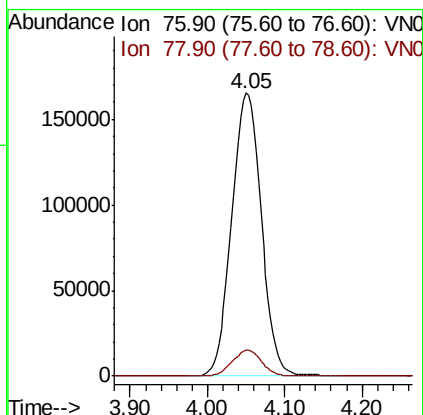
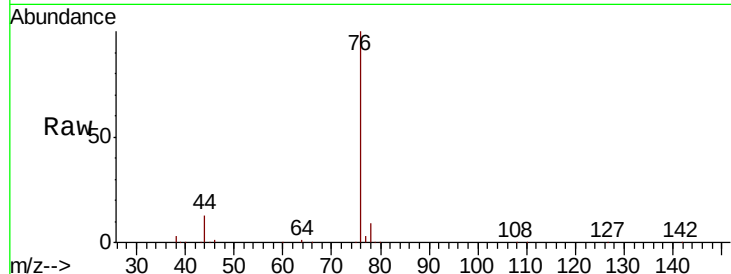




#17
Carbon Disulfide
Concen: 16.43 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

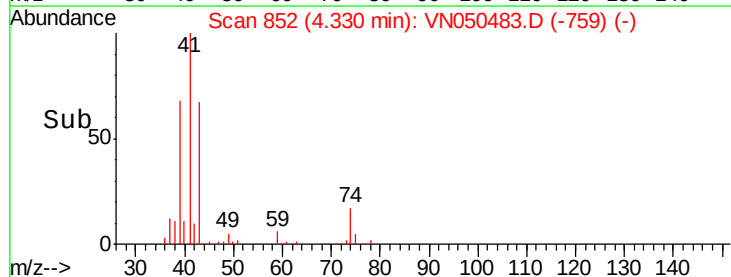
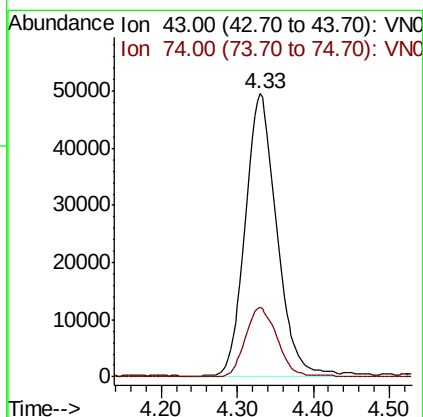
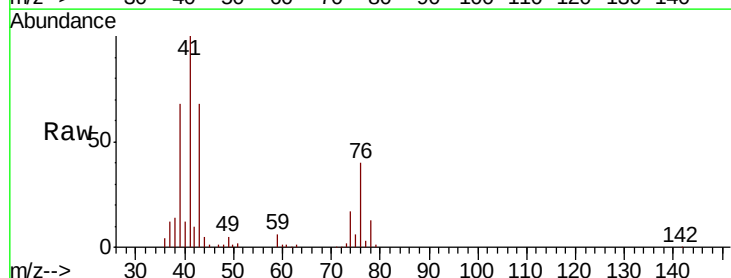
Instrument :
MSVOA_N
ClientSampled :

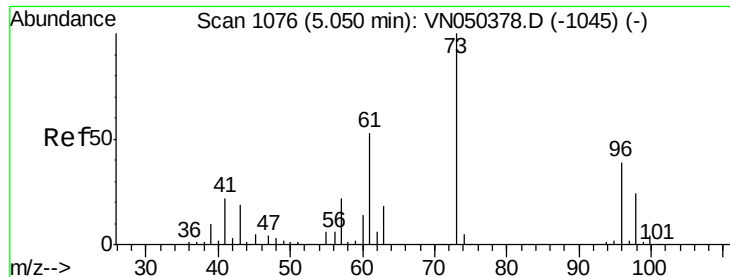
Tot Ion: 76 Resp: 440281
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#18
Methyl Acetate
Concen: 17.91 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 43 Resp: 142281
Ion Ratio Lower Upper
43 100
74 24.8 19.2 28.8

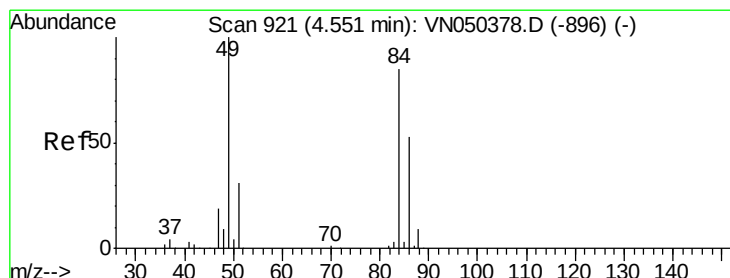
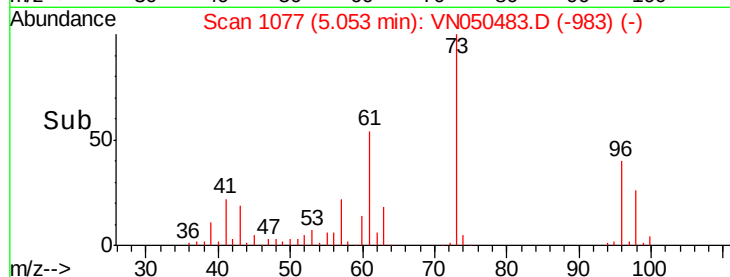
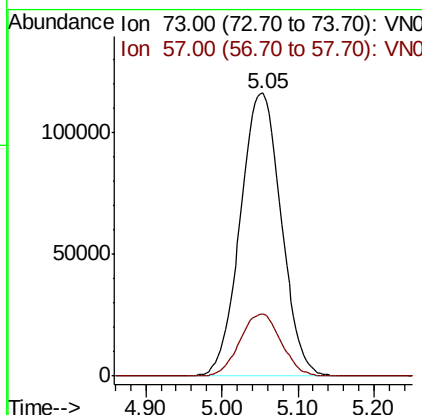
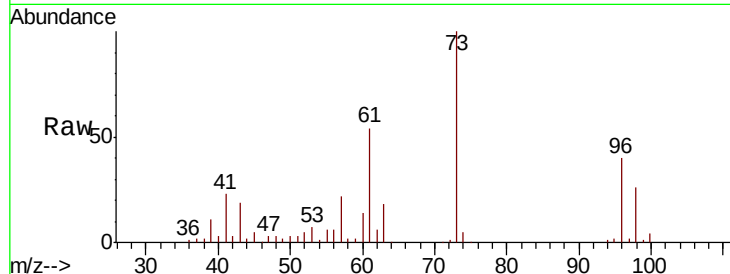




#19
Methvl tert-butvl Ether
Concen: 18.58 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

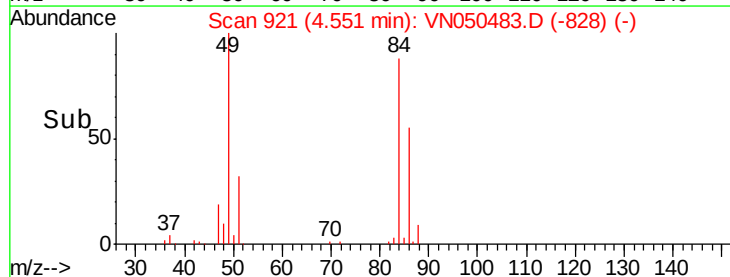
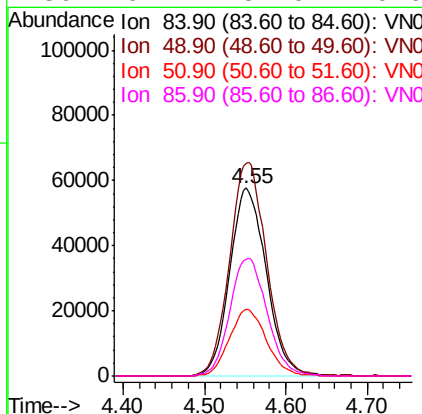
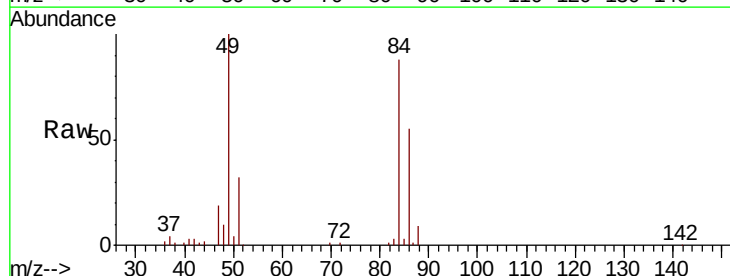
Instrument :
MSVOA_N
ClientSampled :

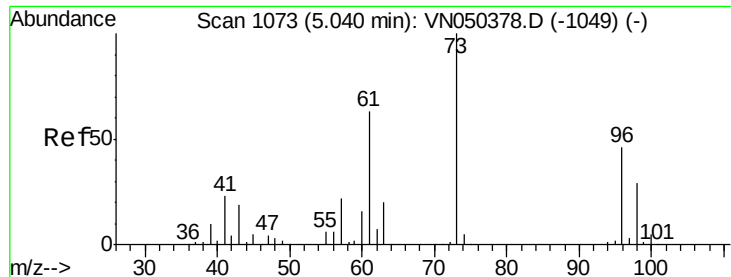
Tot Ion: 73 Resp: 434451
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0



#20
Methylene Chloride
Concen: 18.39 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 84 Resp: 179883
Ion Ratio Lower Upper
84 100
49 113.2 94.8 142.2
51 35.7 28.3 42.5
86 62.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 18.21 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :

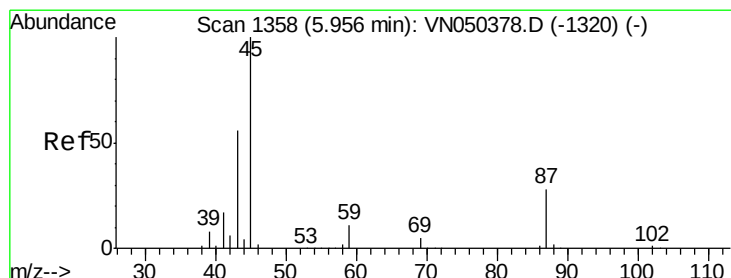
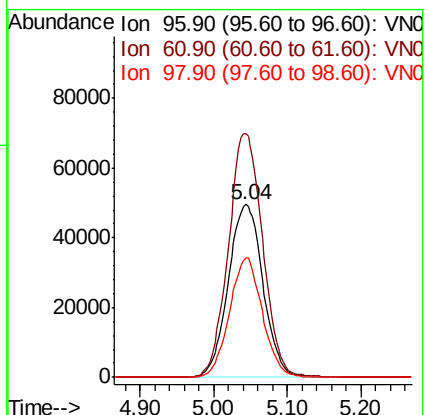
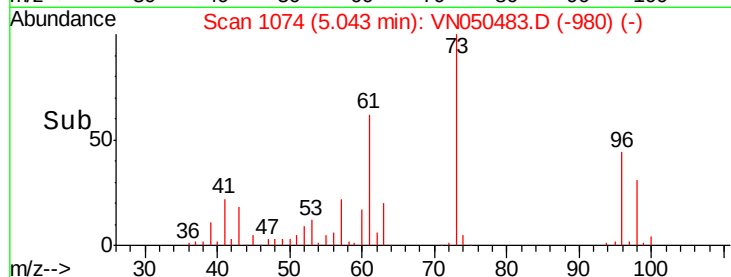
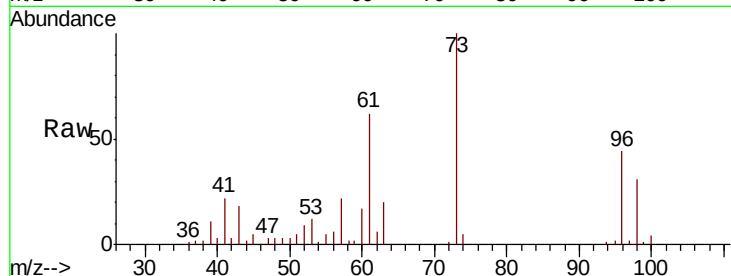
Tot Ion: 96 Resp: 162368

Ion Ratio Lower Upper

96 100

61 141.0 110.7 166.1

98 69.5 51.6 77.4



#22

Diisopropyl ether

Concen: 19.29 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion: 45 Resp: 521479

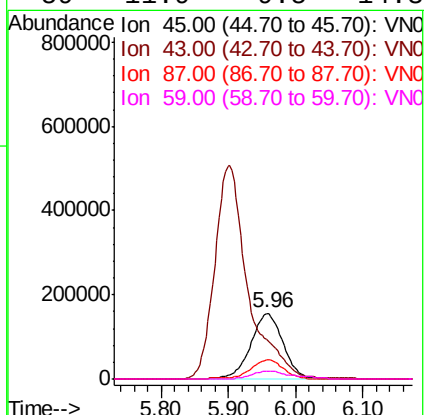
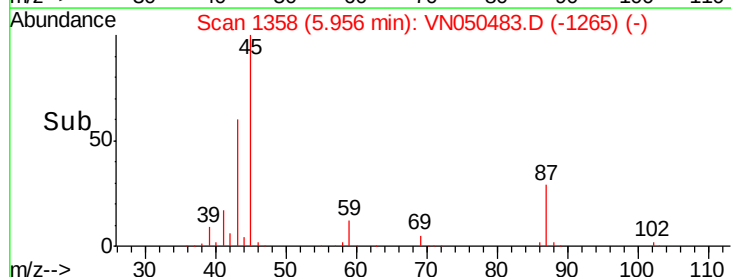
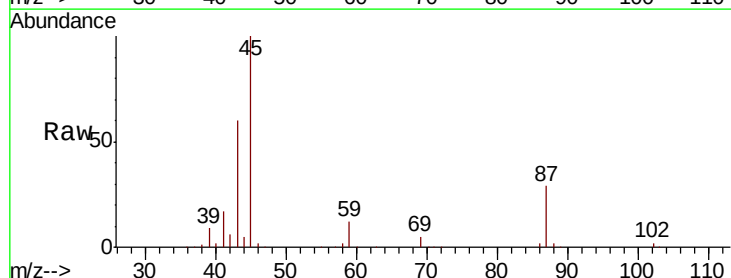
Ion Ratio Lower Upper

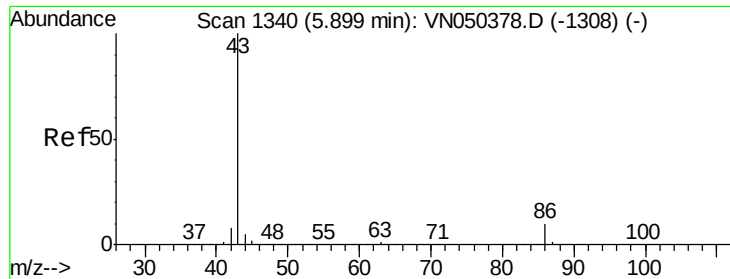
45 100

43 58.5 45.7 68.5

87 29.1 22.7 34.1

59 11.9 9.5 14.3





#23

Vinyl Acetate

Concen: 90.81 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

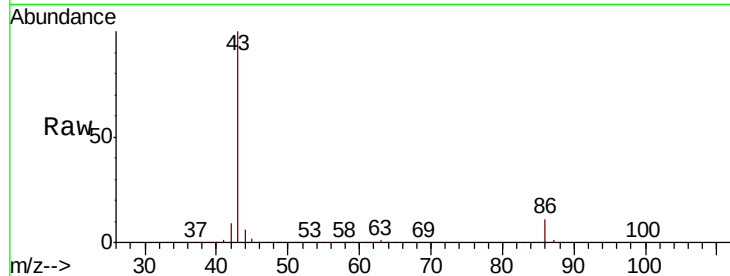
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1751425

Ion Ratio Lower Upper

43 100

86 11.1 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN050483.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN050483.D (-1247) (-)

5.90

600000

500000

400000

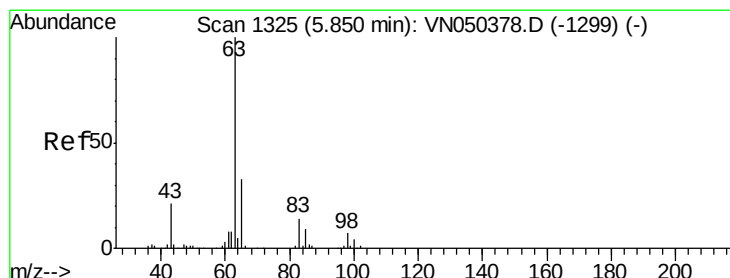
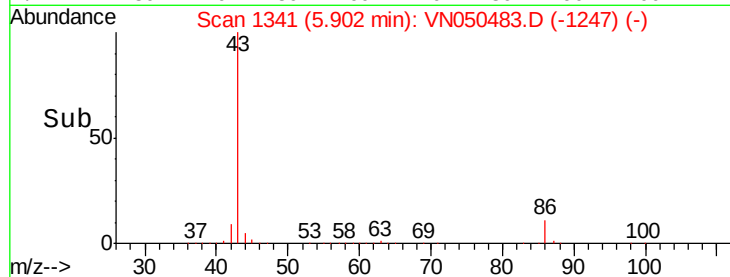
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.37 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

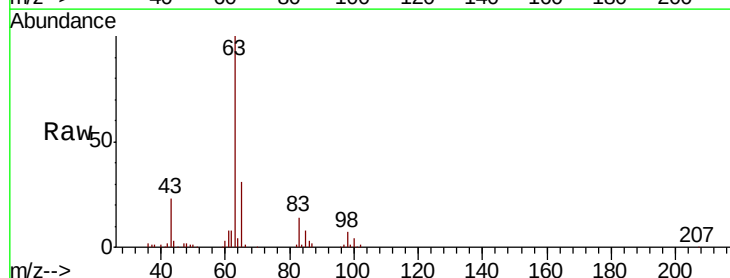
Tgt Ion: 63 Resp: 304695

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

100 4.3 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN050483.D (-1232) (-)

Ion 97.90 (97.60 to 98.60): VN050483.D (-1232) (-)

Ion 99.90 (99.60 to 100.60): VN050483.D (-1232) (-)

5.85

120000

100000

80000

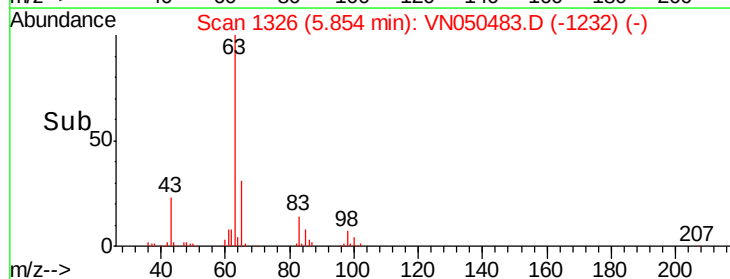
60000

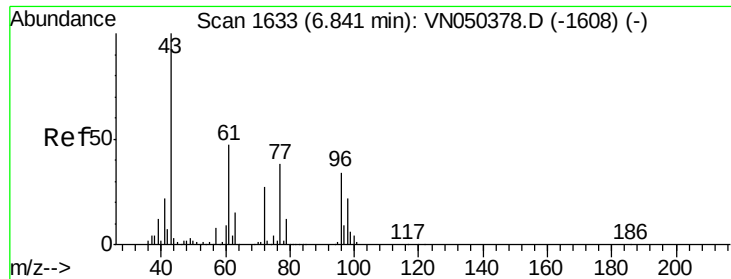
40000

20000

0

Time-->

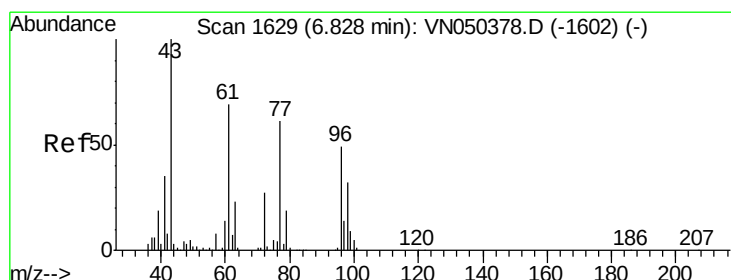
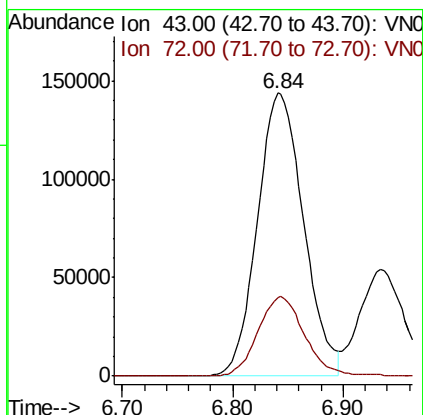
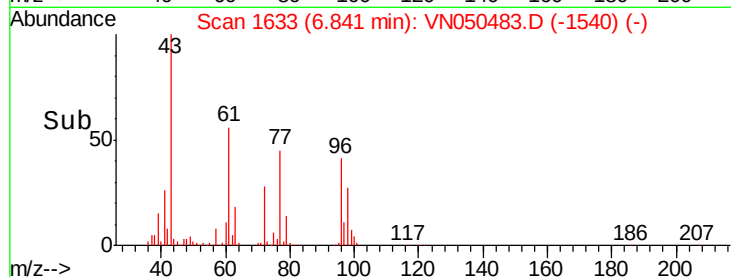
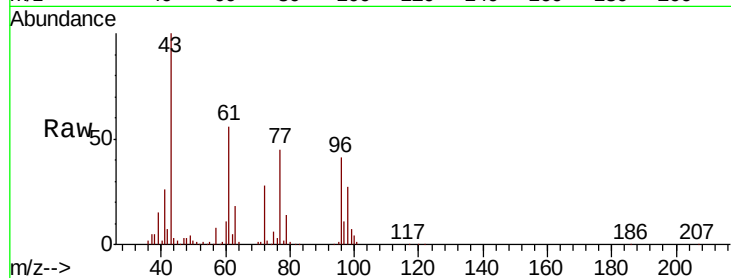




#25
 2-Butanone
 Concen: 82.23 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

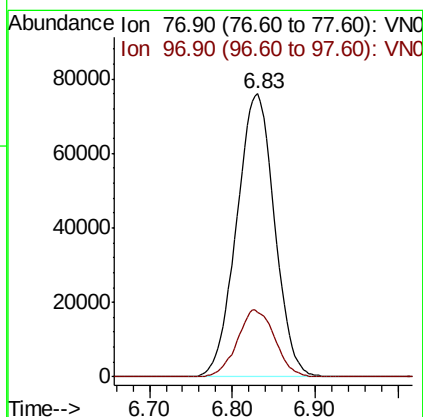
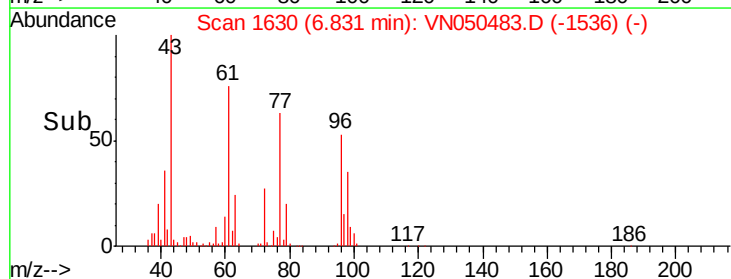
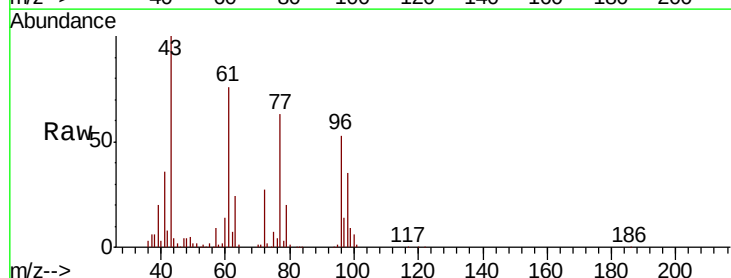
Instrument :
 MSVOA_N
 ClientSampled :

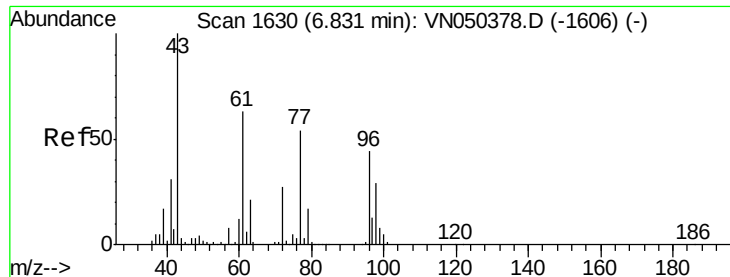
Tot Ion: 43 Resp: 414964
 Ion Ratio Lower Upper
 43 100
 72 27.7 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 17.63 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion: 77 Resp: 241055
 Ion Ratio Lower Upper
 77 100
 97 23.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.97 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :

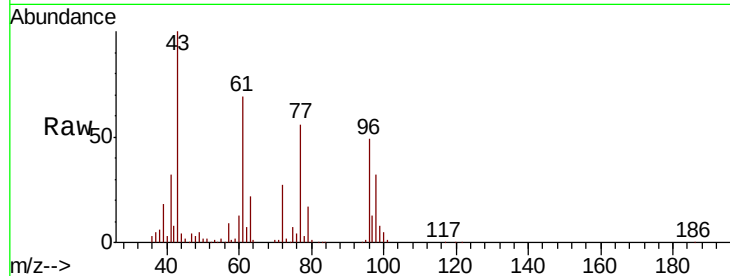
Tot Ion: 96 Resp: 187439

Ion Ratio Lower Upper

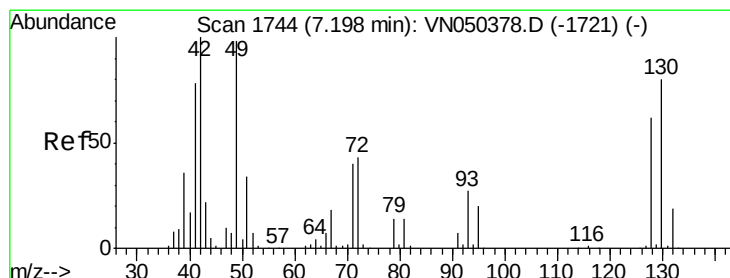
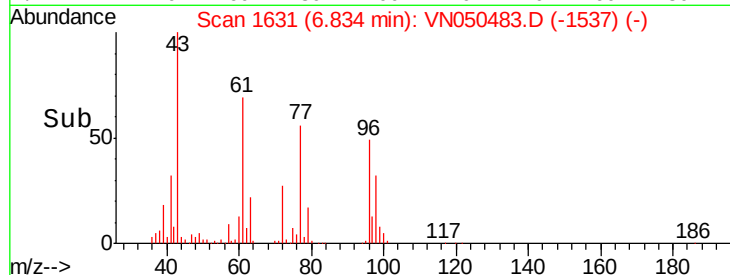
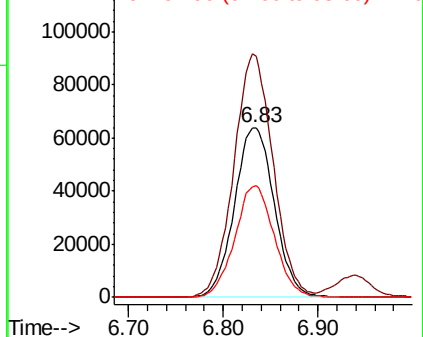
96 100

61 141.0 0.0 285.0

98 65.1 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: 18.38 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

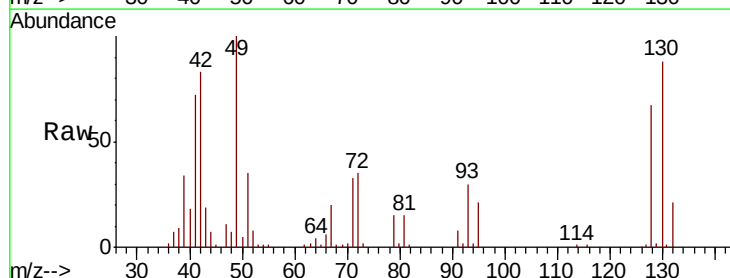
Tgt Ion: 49 Resp: 140321

Ion Ratio Lower Upper

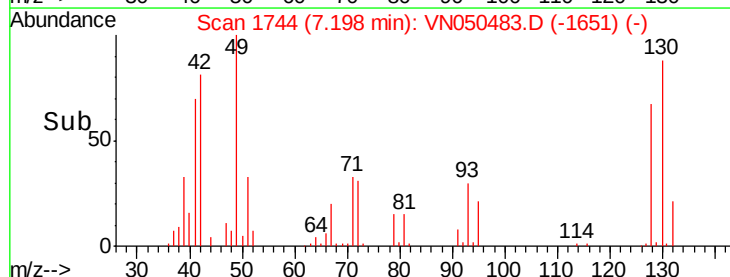
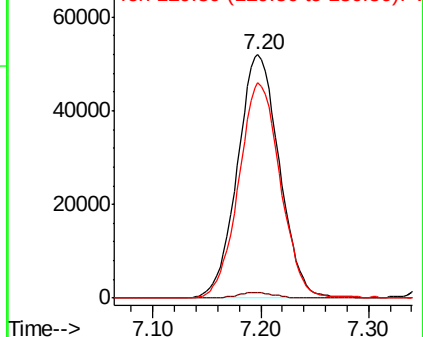
49 100

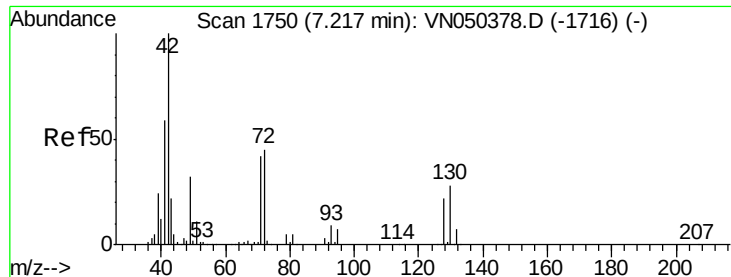
129 2.0 0.0 4.0

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

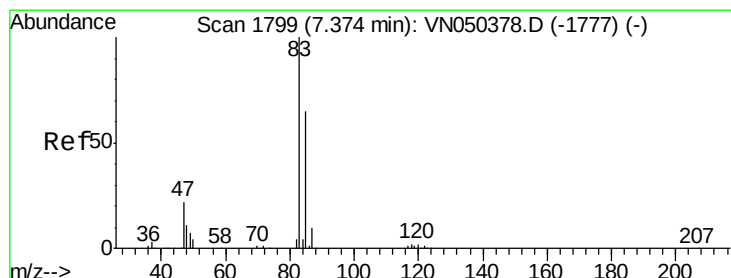
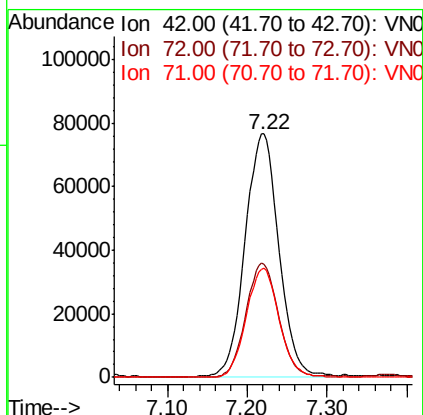
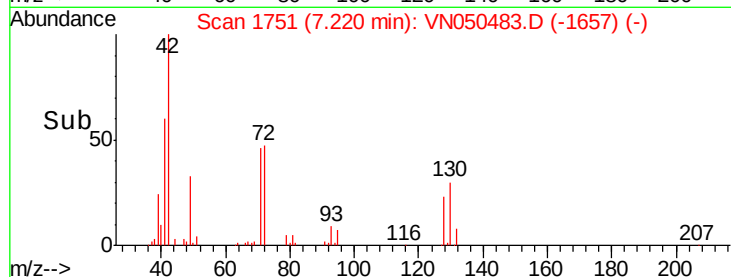
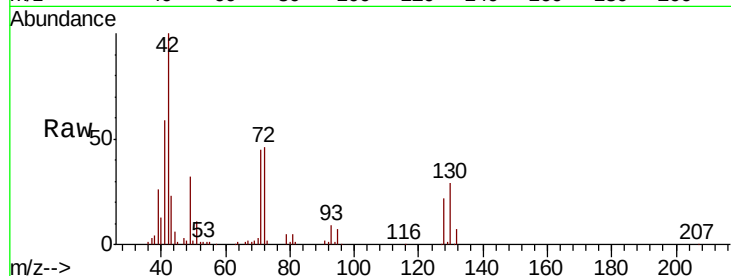




#29
Tetrahydrofuran
Concen: 81.32 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

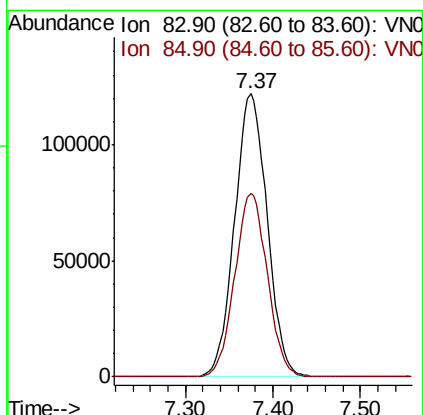
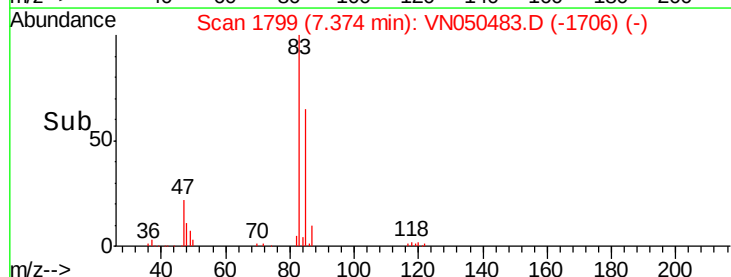
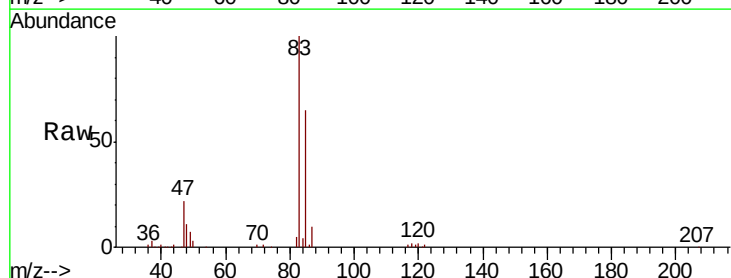
Instrument :
MSVOA_N
ClientSampled :

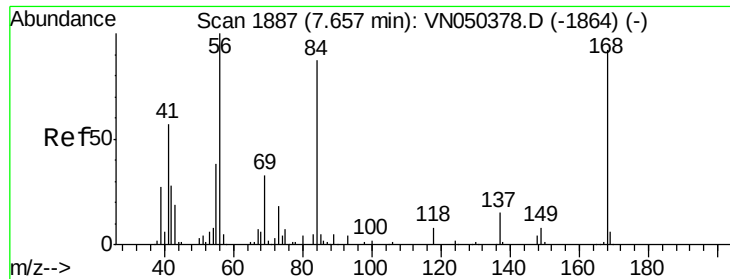
Tot Ion: 42 Resp: 219641
Ion Ratio Lower Upper
42 100
72 45.6 35.9 53.9
71 43.5 33.7 50.5



#30
Chloroform
Concen: 19.02 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 83 Resp: 315407
Ion Ratio Lower Upper
83 100
85 64.7 52.5 78.7

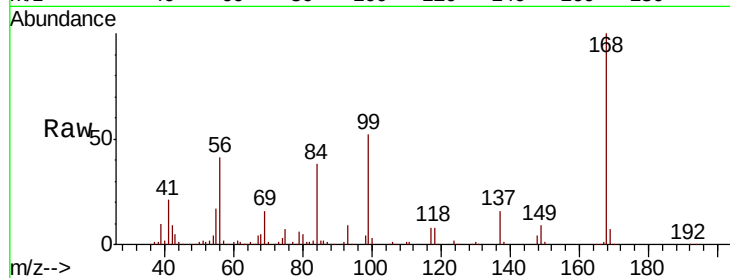




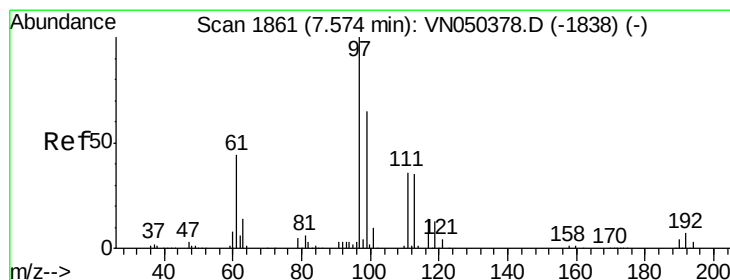
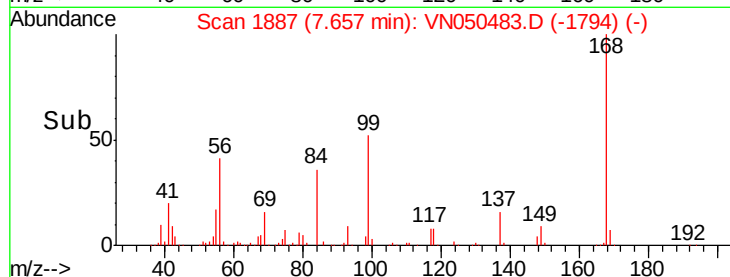
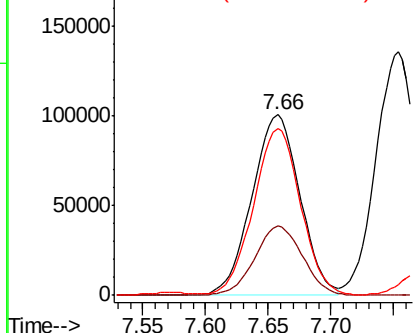
#31
Cyclohexane
Concen: 18.00 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 268606
Ion Ratio Lower Upper
56 100
69 38.1 26.2 39.4
84 91.4 67.4 101.0

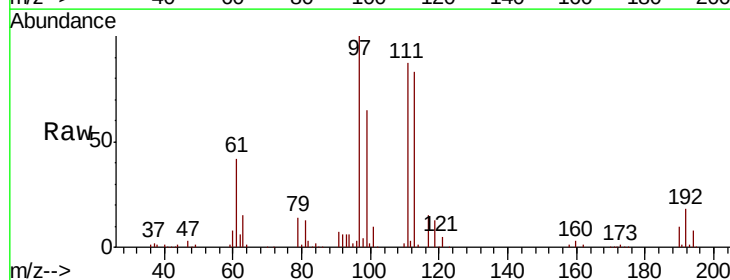


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

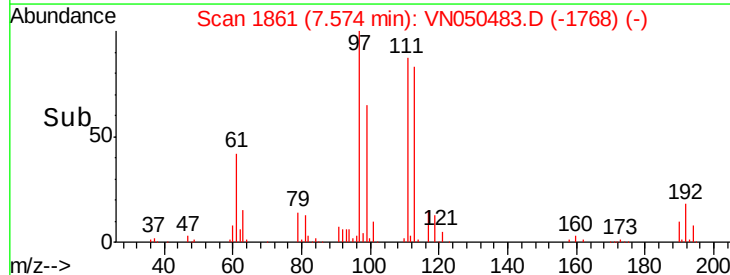
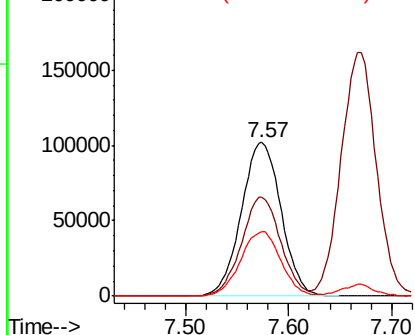


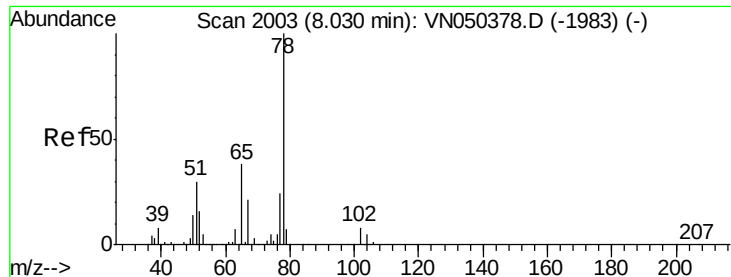
#32
1,1,1-Trichloroethane
Concen: 19.20 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 97 Resp: 273435
Ion Ratio Lower Upper
97 100
99 63.6 51.4 77.0
61 42.5 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

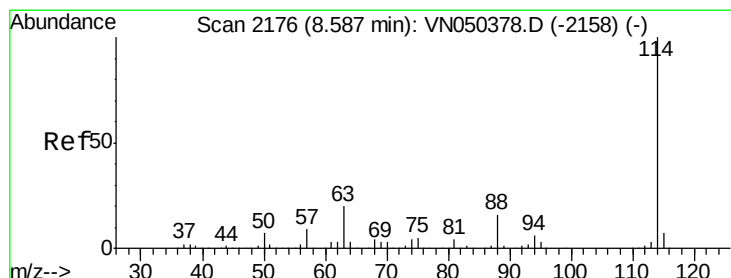
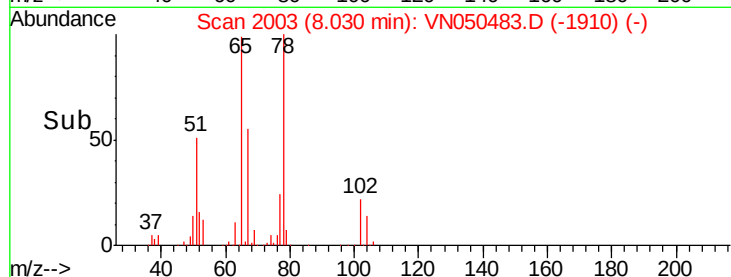
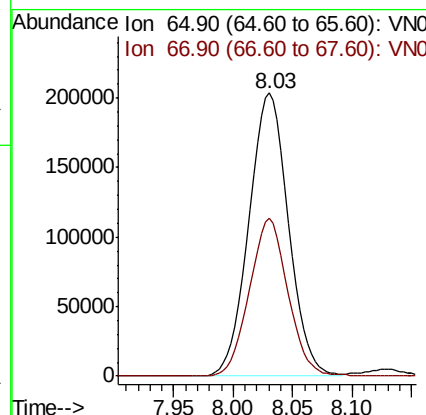
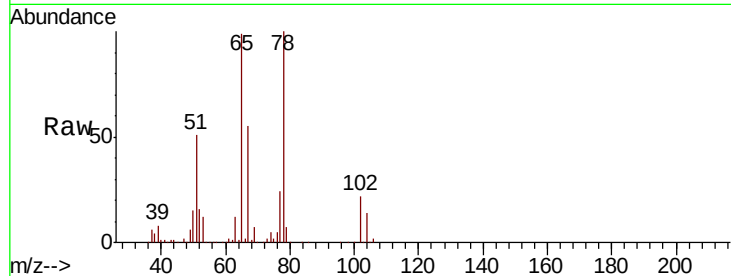




#33
 1,2-Dichloroethane-d4
 Concen: 46.07 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

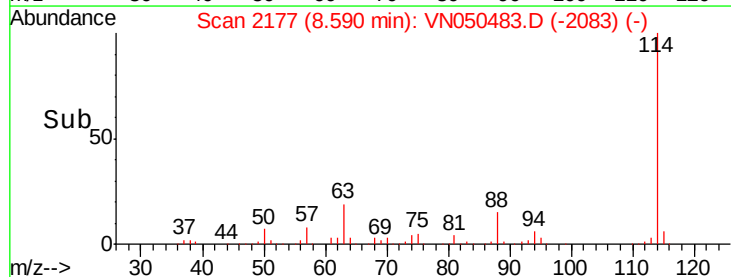
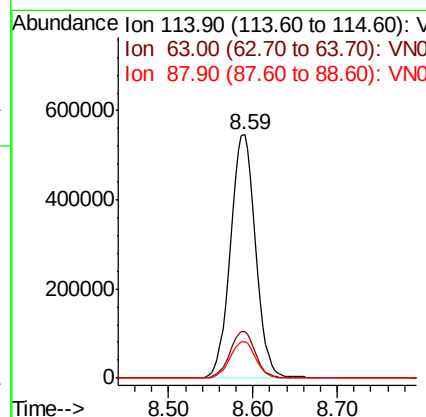
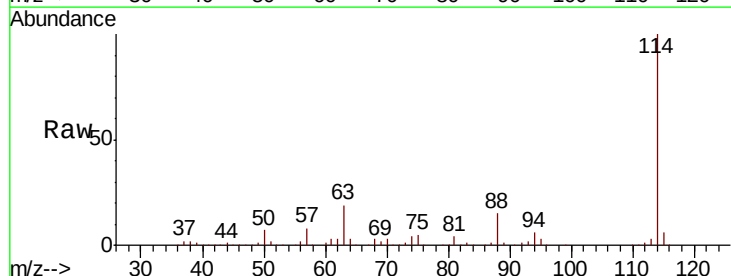
Instrument :
 MSVOA_N
 ClientSampled :

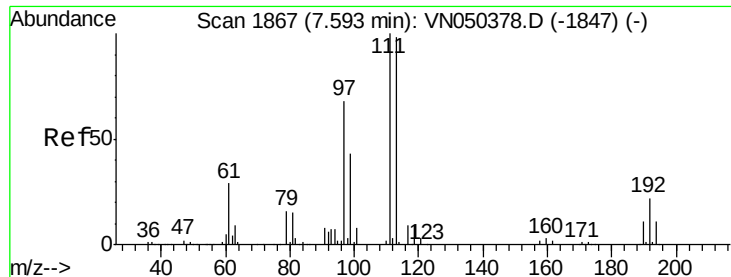
Tot Ion: 65 Resp: 469136
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion: 114 Resp: 1130403
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 15.0 0.0 31.2

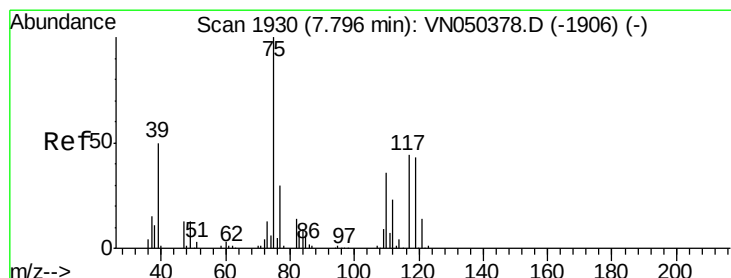
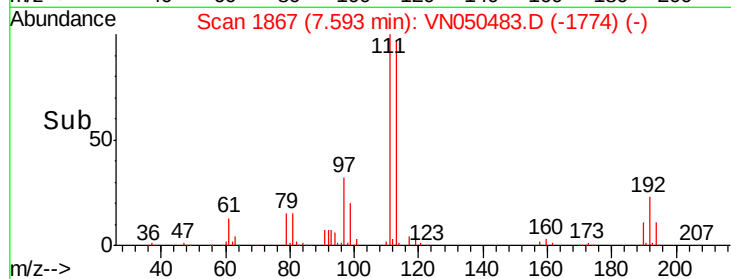
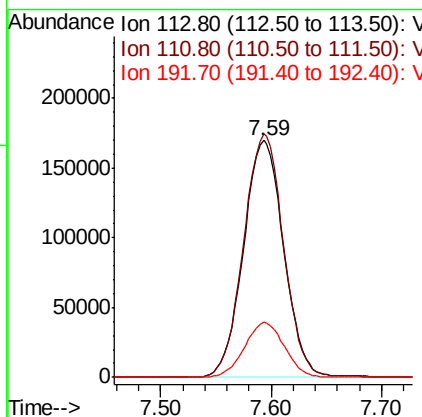
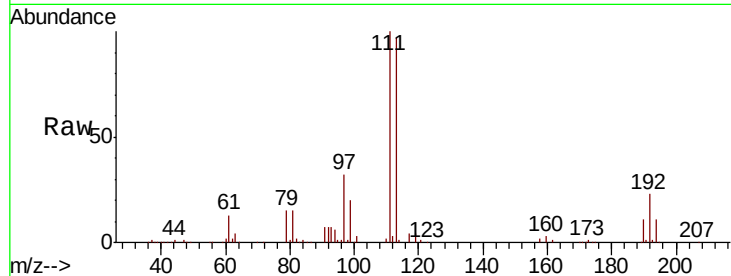




#35
 Dibromofluoromethane
 Concen: 47.21 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

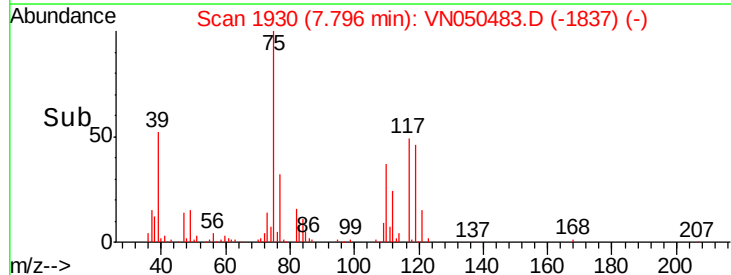
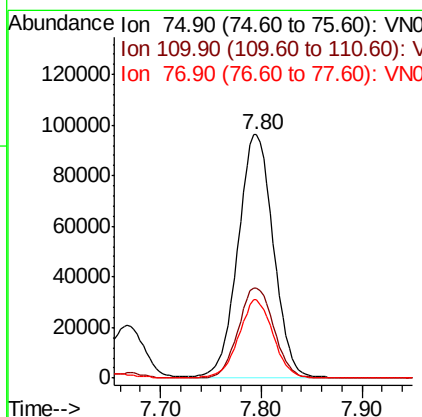
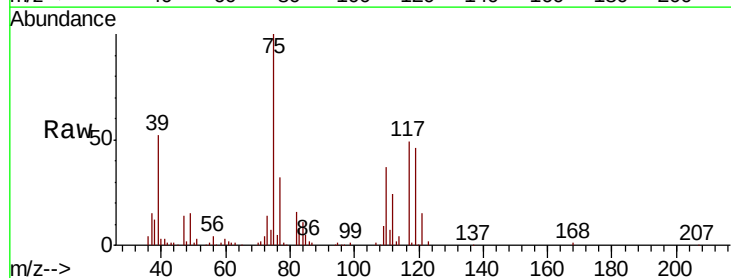
Instrument :
 MSVOA_N
 ClientSampleId :

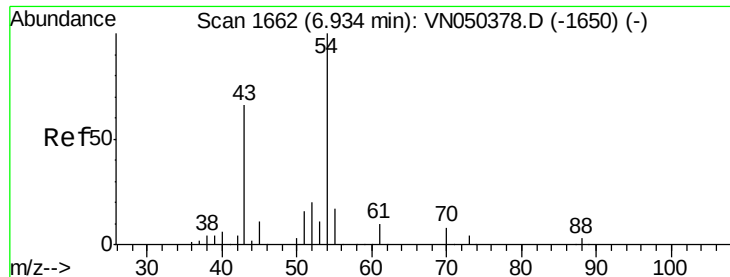
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.7	121.1
192	23.1	17.8	26.6



#36
 1,1-Dichloropropene
 Concen: 18.79 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.4	55.2
77	31.5	25.3	37.9

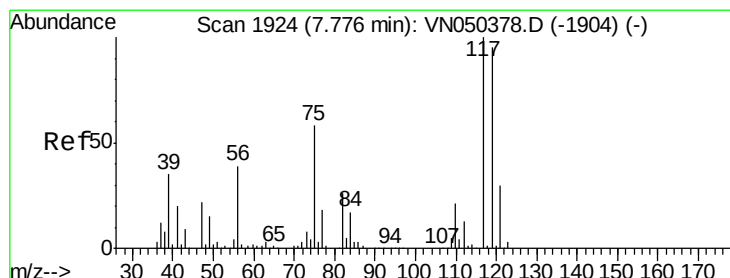
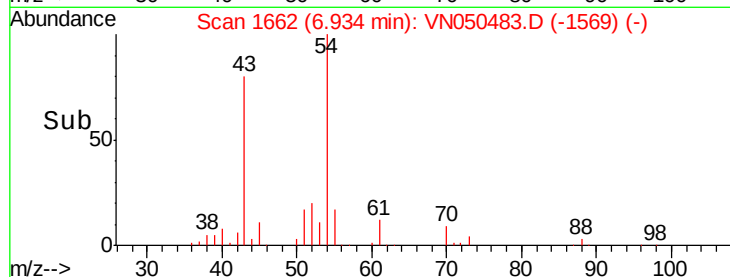
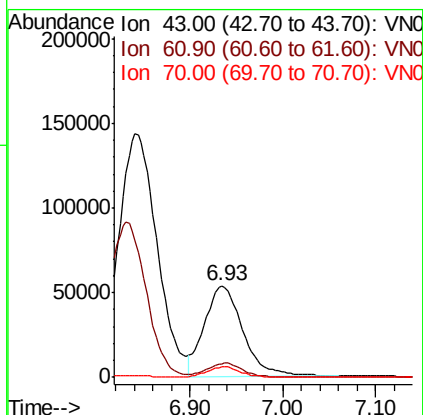
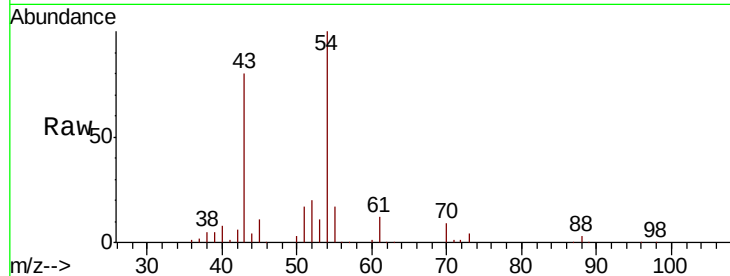




#37
Ethyl Acetate
Concen: 17.20 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

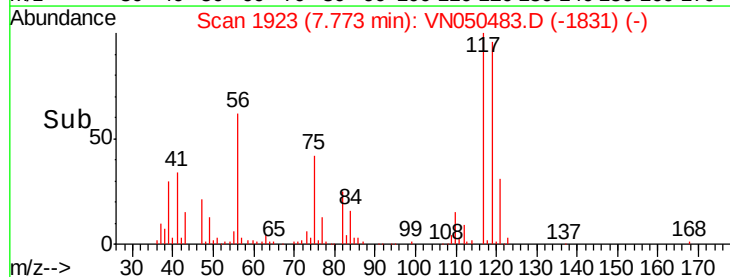
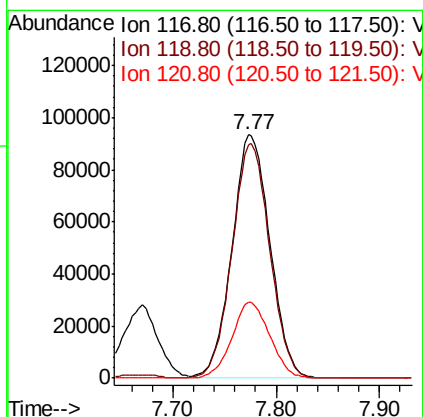
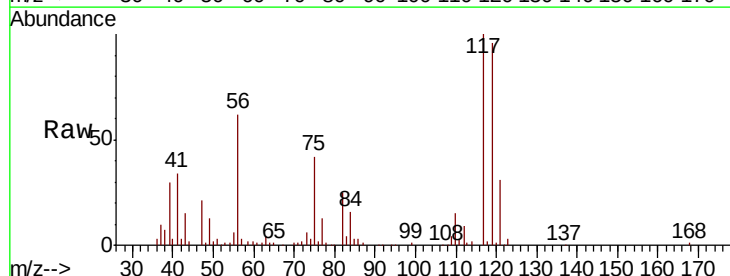
Instrument :
MSVOA_N
ClientSampleId :

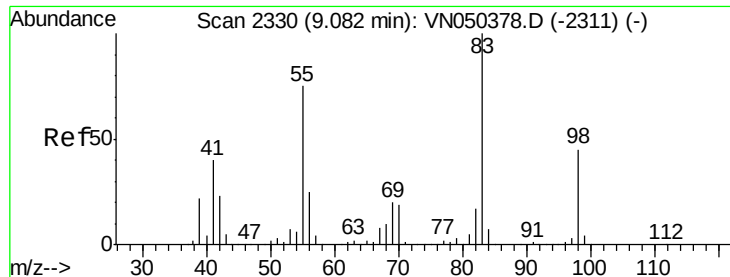
Tot Ion: 43 Resp: 153867
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.8
70 10.7 8.4 12.6



#38
Carbon Tetrachloride
Concen: 18.47 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 117 Resp: 239288
Ion Ratio Lower Upper
117 100
119 96.1 77.4 116.0
121 31.4 23.9 35.9

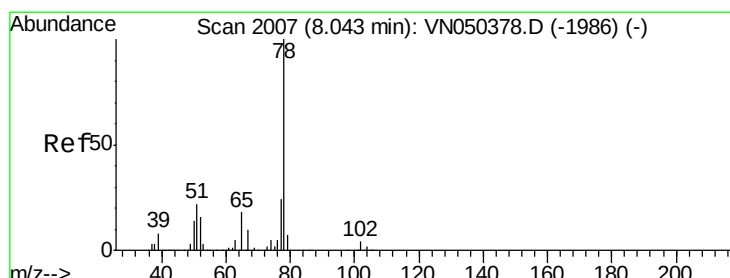
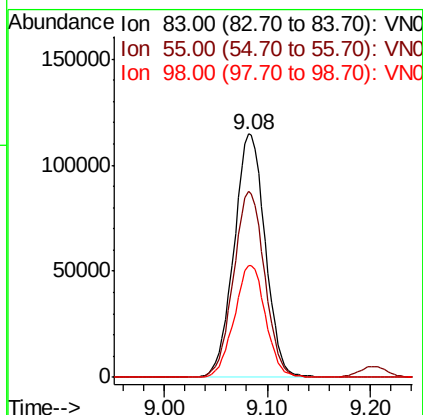
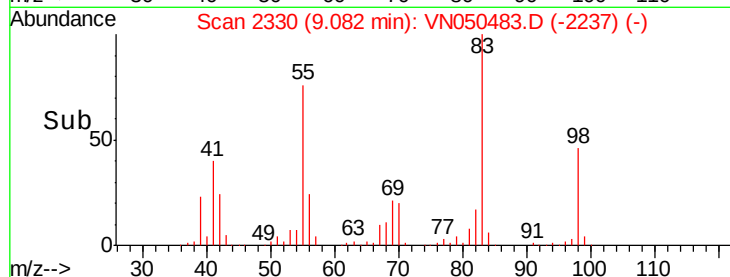
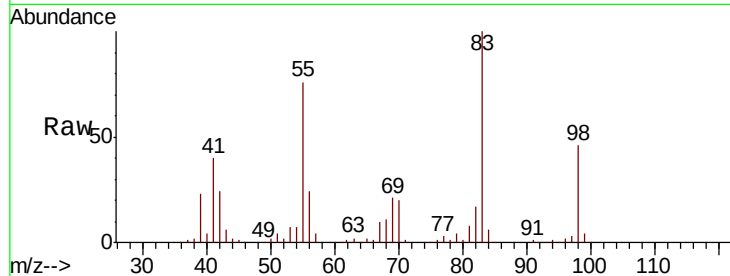




#39
Methylvlcyclohexane
Concen: 17.85 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

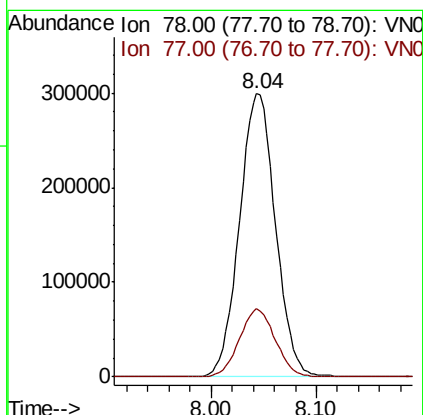
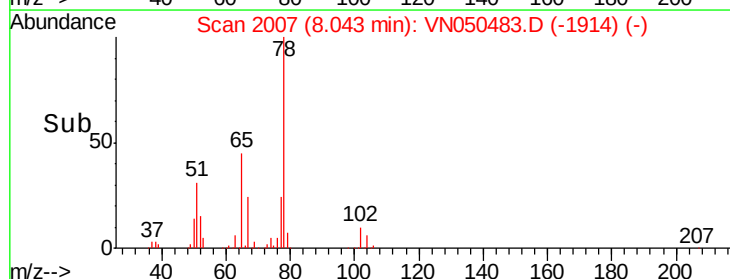
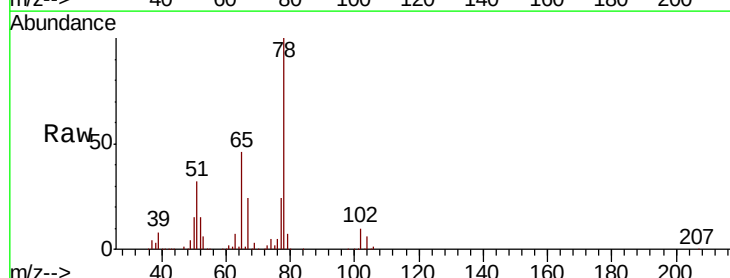
Instrument :
MSVOA_N
ClientSampleId :

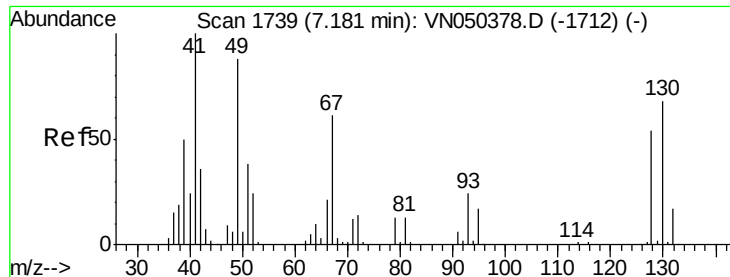
Tot Ion: 83 Resp: 241971
Ion Ratio Lower Upper
83 100
55 76.3 61.8 92.8
98 45.7 36.5 54.7



#40
Benzene
Concen: 18.60 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 78 Resp: 710223
Ion Ratio Lower Upper
78 100
77 23.9 18.7 28.1

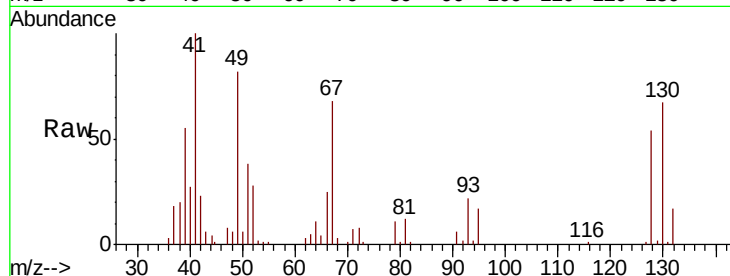




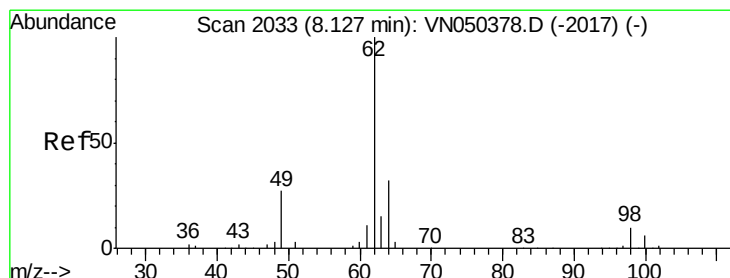
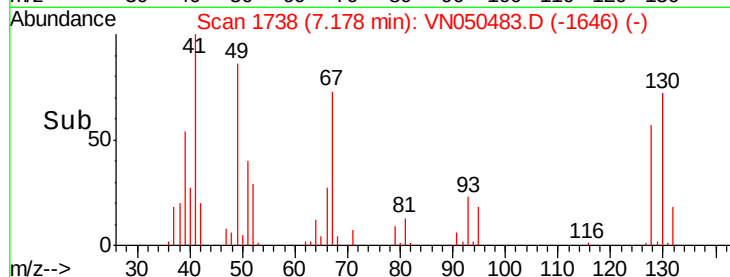
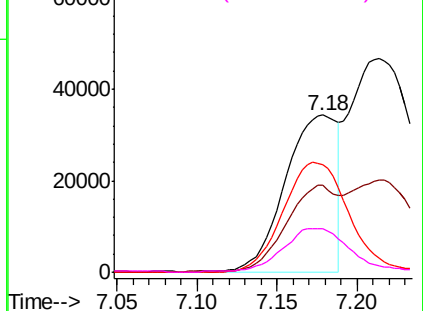
#41
Methacrylonitrile
Concen: 16.42 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 78099
Ion Ratio Lower Upper
41 100
39 53.1 55.8 83.6#
67 88.1 84.3 126.5
52 36.5 34.2 51.2

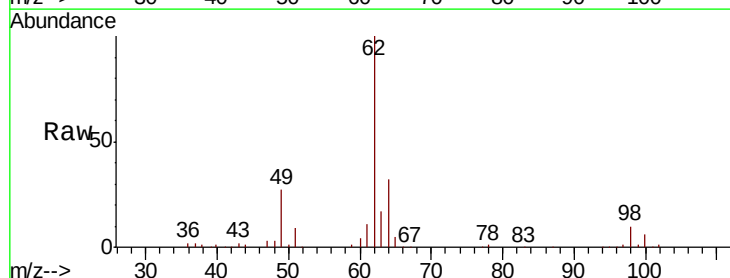


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

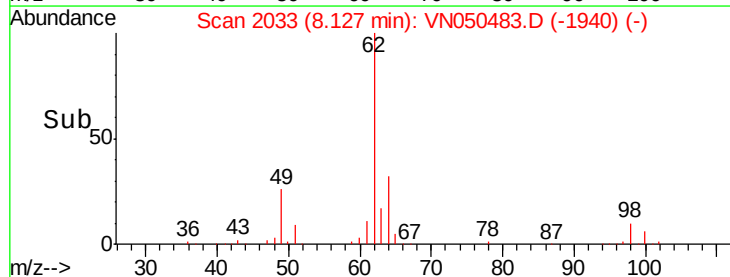
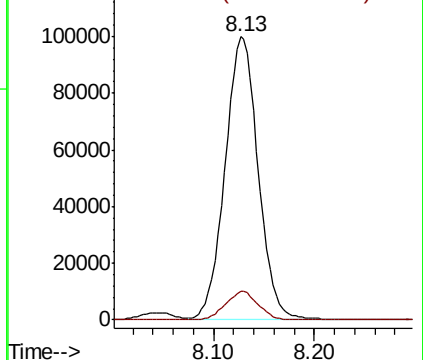


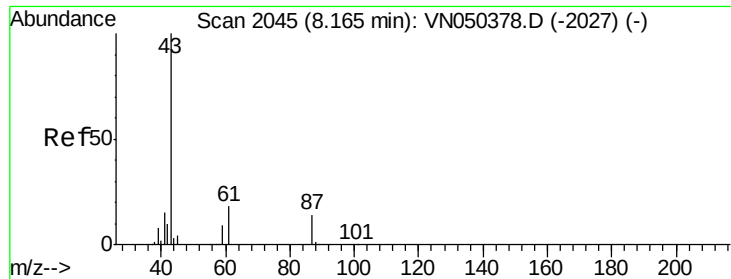
#42
1,2-Dichloroethane
Concen: 18.73 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 62 Resp: 227048
Ion Ratio Lower Upper
62 100
98 10.0 0.0 18.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



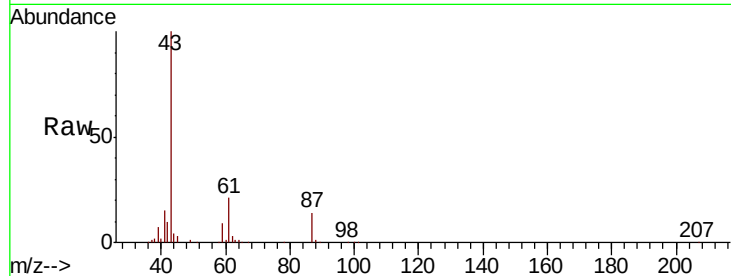


#43

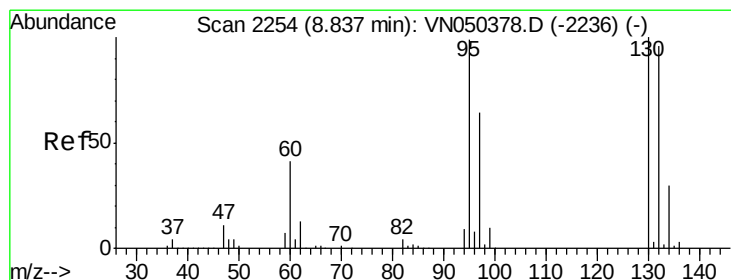
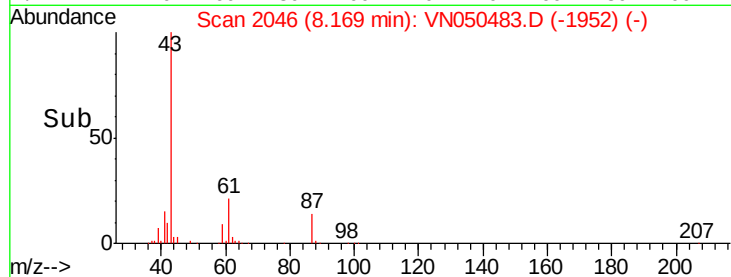
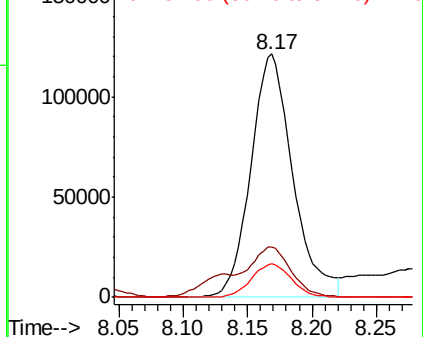
Isopropyl Acetate
 Concen: 17.79 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 274668
 Ion Ratio Lower Upper
 43 100
 61 19.5 15.8 23.6
 87 13.4 10.3 15.5



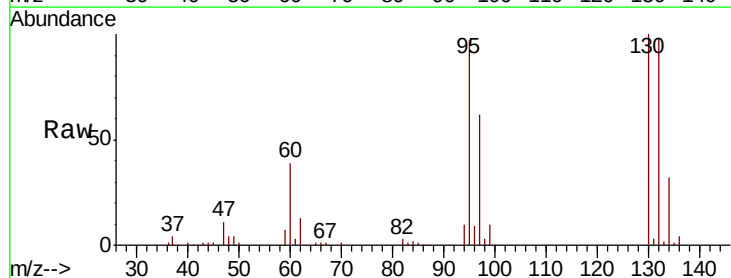
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



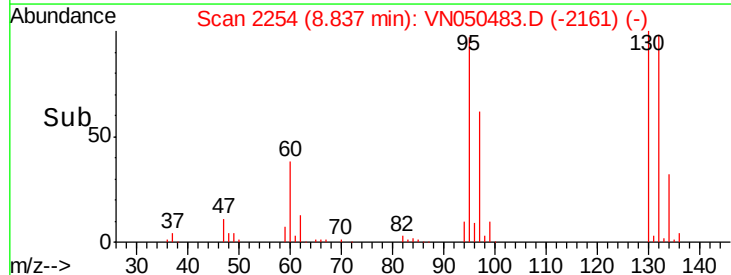
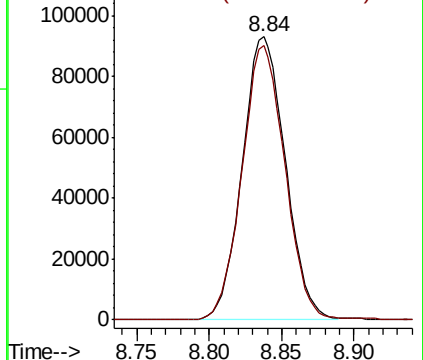
#44

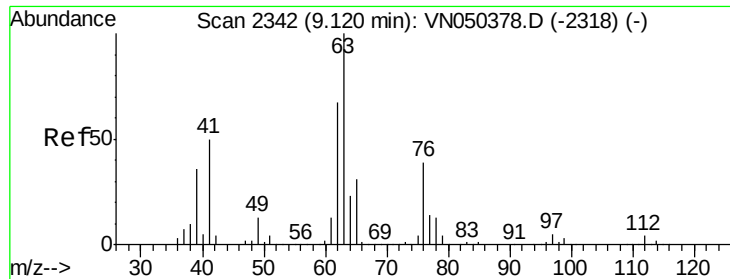
Trichloroethene
 Concen: 18.77 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion:130 Resp: 192579
 Ion Ratio Lower Upper
 130 100
 95 96.8 0.0 194.6



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

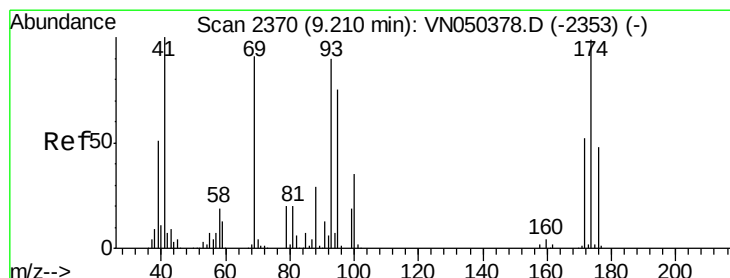
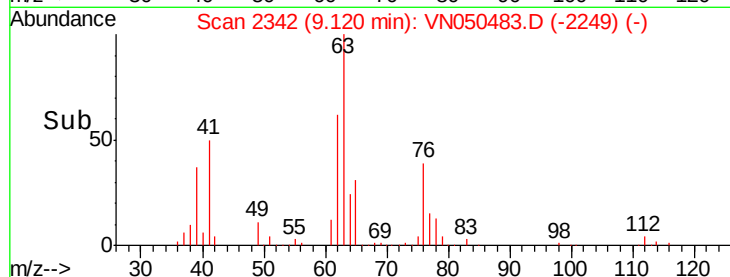
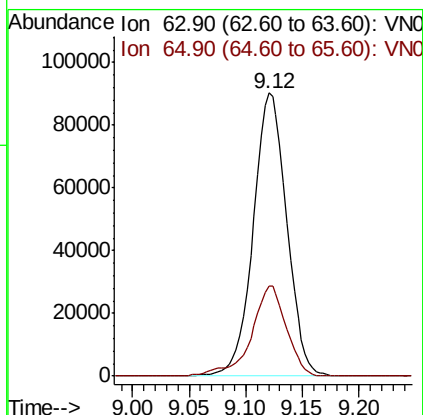
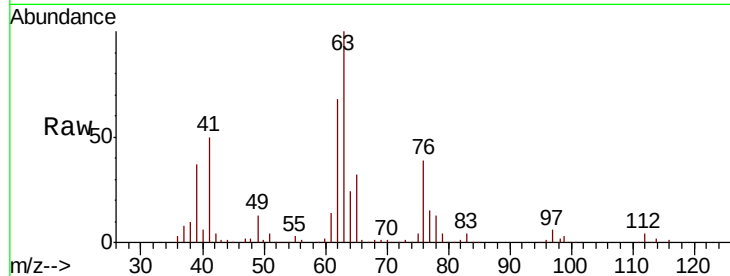




#45
 1,2-Dichloropropane
 Concen: 18.50 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

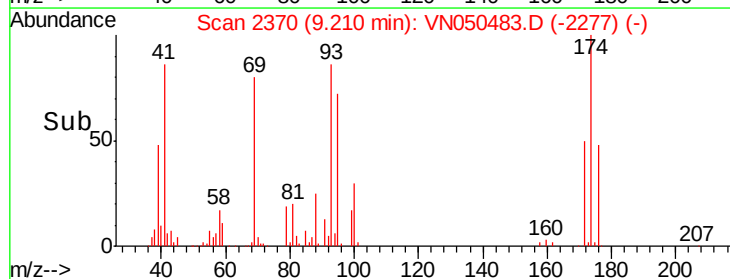
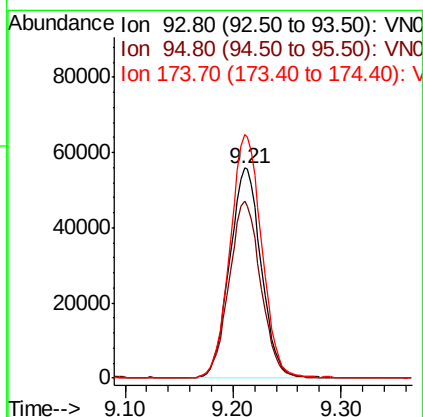
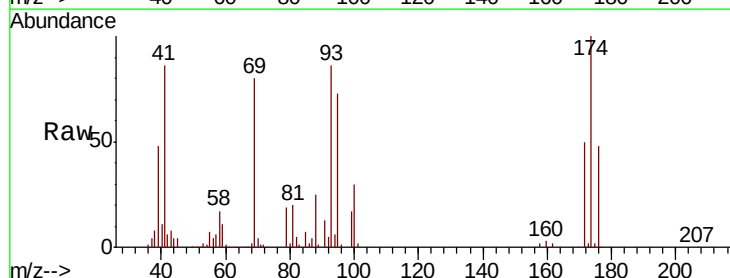
Instrument :
 MSVOA_N
 ClientSampled :

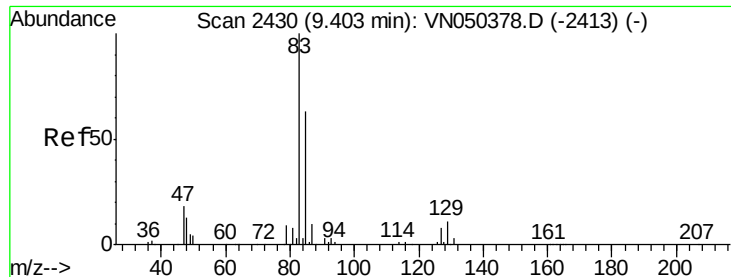
Tot Ion: 63 Resp: 185694
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.5 38.3



#46
 Dibromomethane
 Concen: 18.43 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion: 93 Resp: 114270
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.6 100.0
 174 115.9 87.1 130.7





#47

Bromodichloromethane

Concen: 18.55 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampleId :

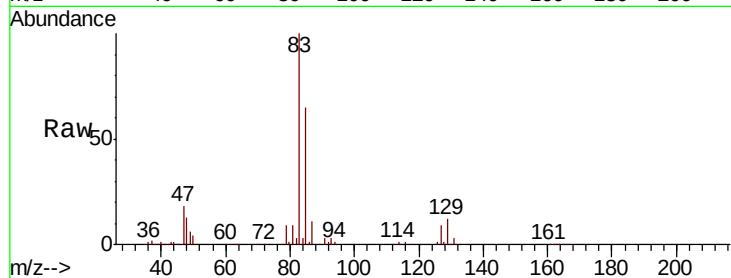
Tot Ion: 83 Resp: 238214

Ion Ratio Lower Upper

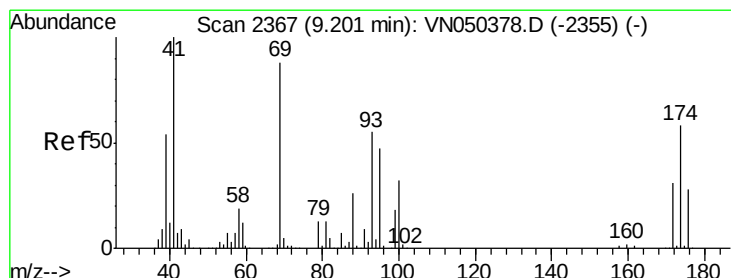
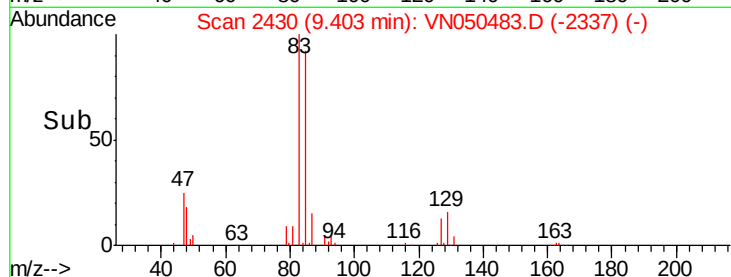
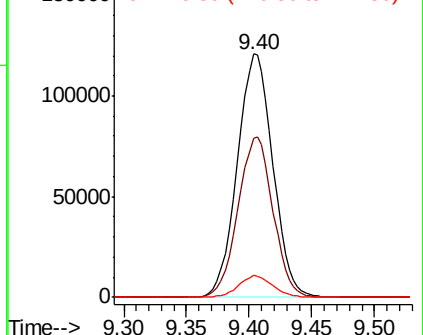
83 100

85 65.1 51.1 76.7

127 9.0 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 16.93 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

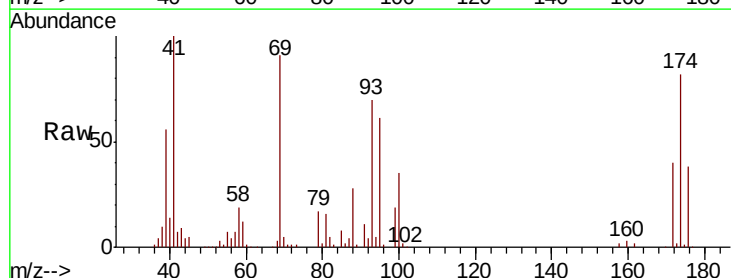
Tgt Ion: 41 Resp: 130985

Ion Ratio Lower Upper

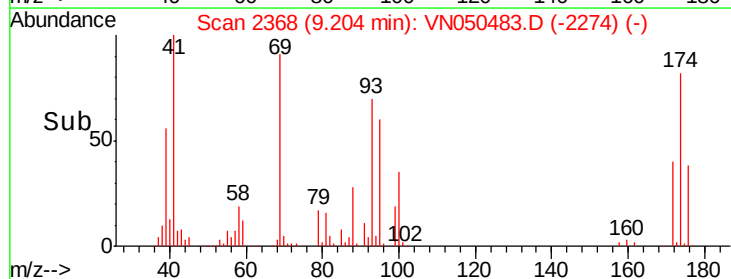
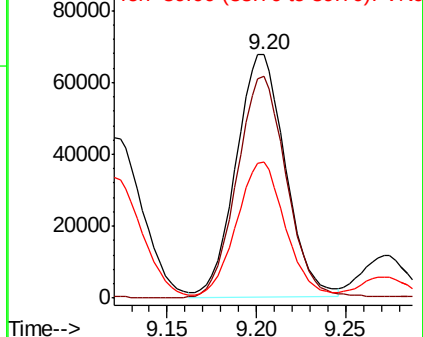
41 100

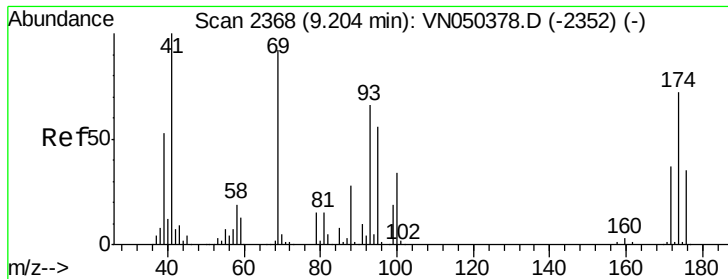
69 91.5 70.6 105.8

39 55.5 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

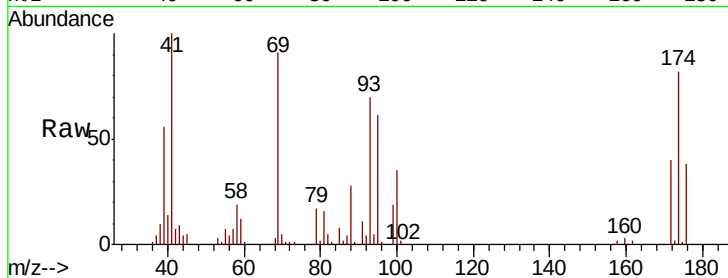




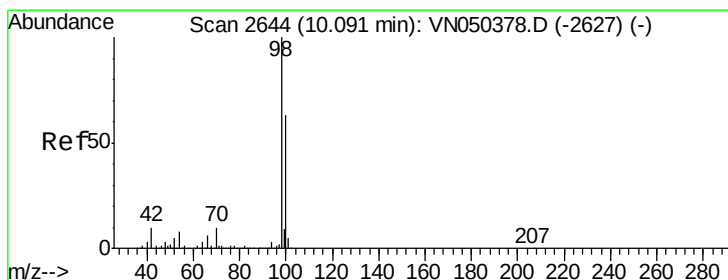
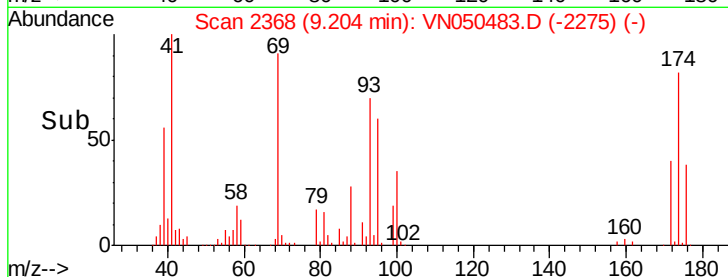
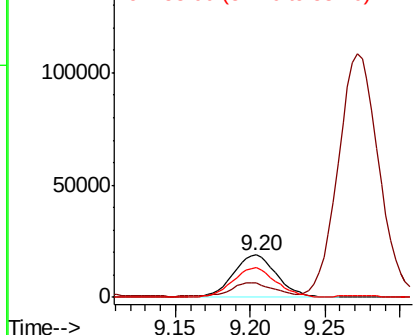
#49
1,4-Dioxane
Concen: 320.36 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 38215
Ion Ratio Lower Upper
88 100
43 31.5 26.9 40.3
58 69.9 57.3 85.9

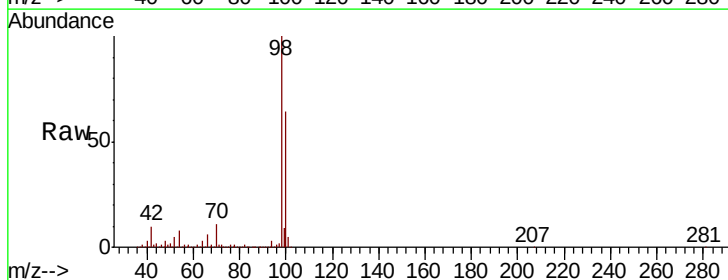


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

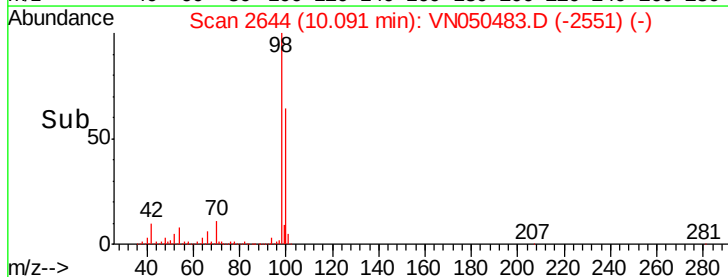
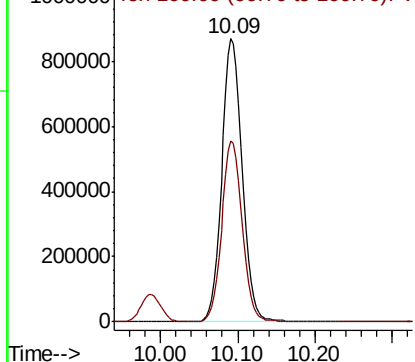


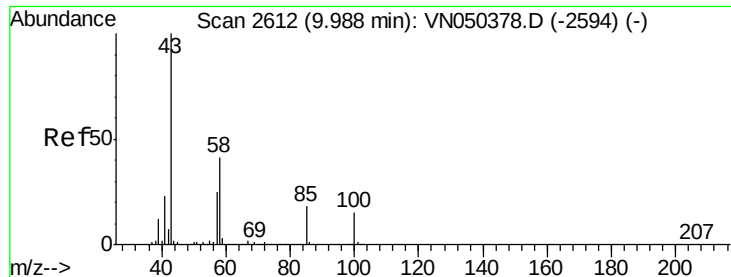
#50
Toluene-d8
Concen: 46.72 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 98 Resp: 1593282
Ion Ratio Lower Upper
98 100
100 64.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

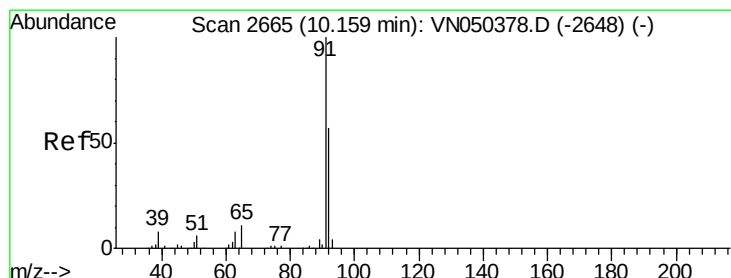
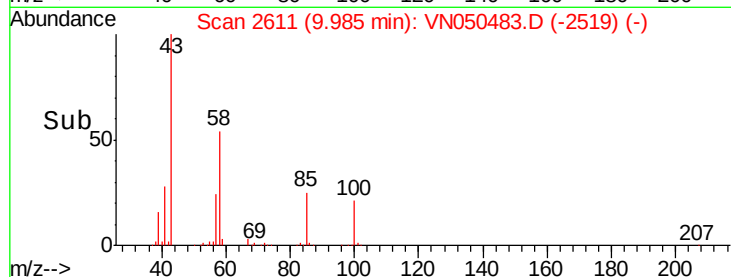
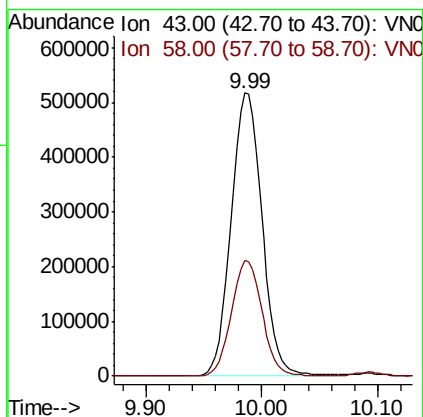
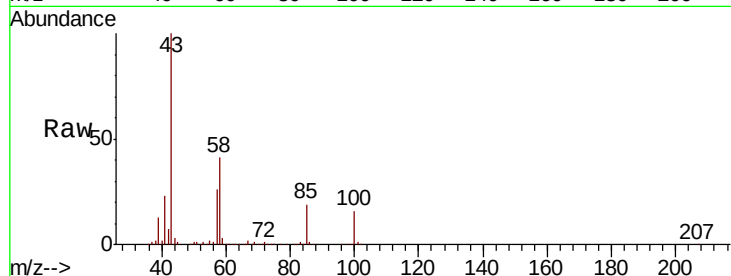




#51
4-Methyl-2-Pentanone
Concen: 85.50 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

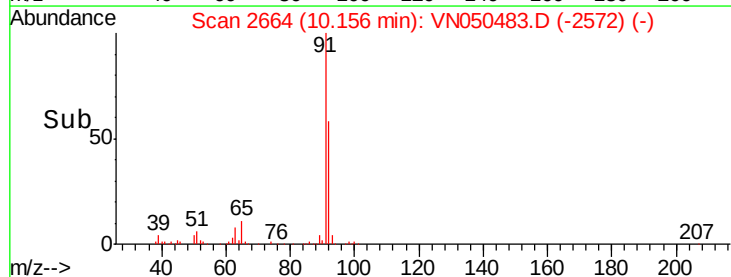
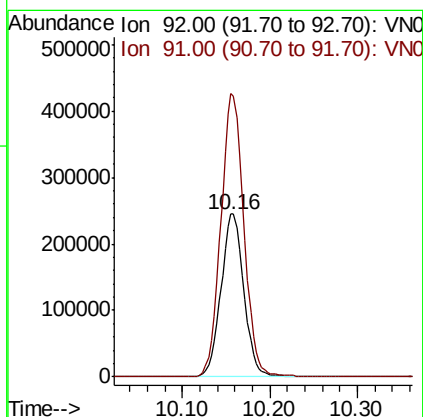
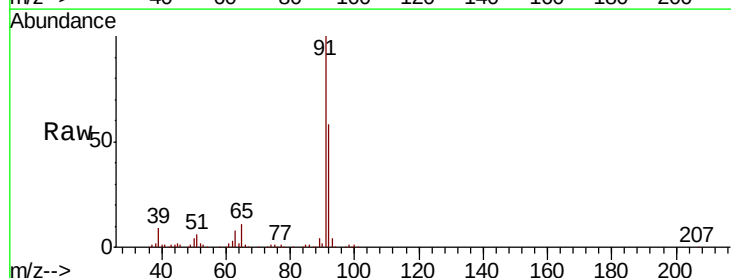
Instrument :
MSVOA_N
ClientSampleId :

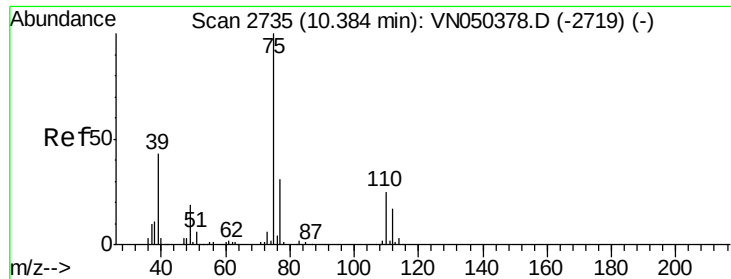
Tot Ion: 43 Resp: 950718
Ion Ratio Lower Upper
43 100
58 40.6 31.9 47.9



#52
Toluene
Concen: 19.36 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 92 Resp: 444127
Ion Ratio Lower Upper
92 100
91 175.3 140.3 210.5

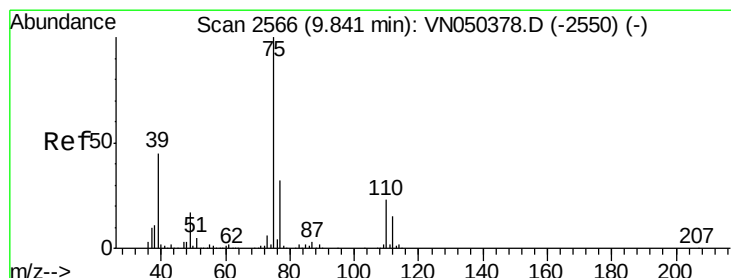
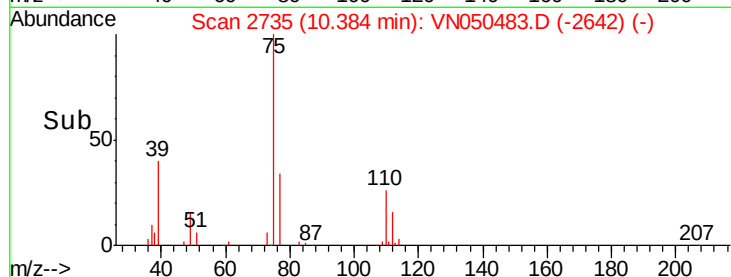
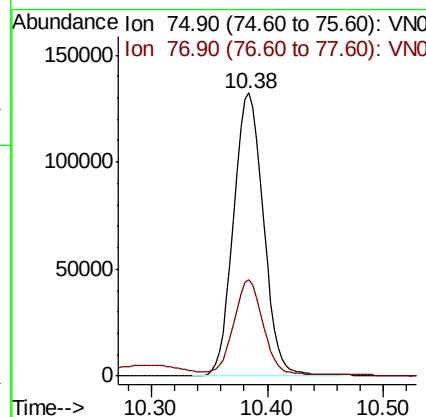
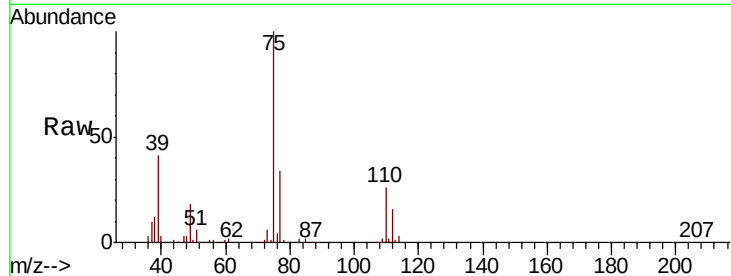




#53
t-1,3-Dichloropropene
Concen: 18.32 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

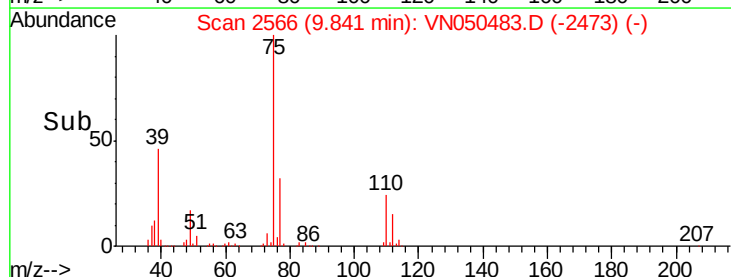
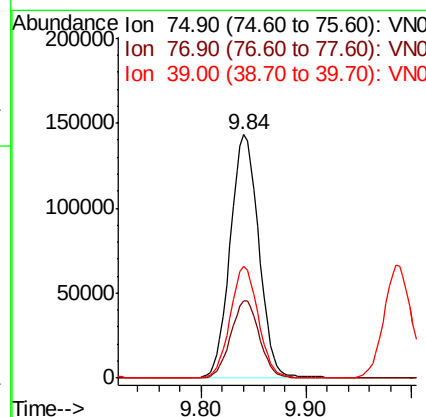
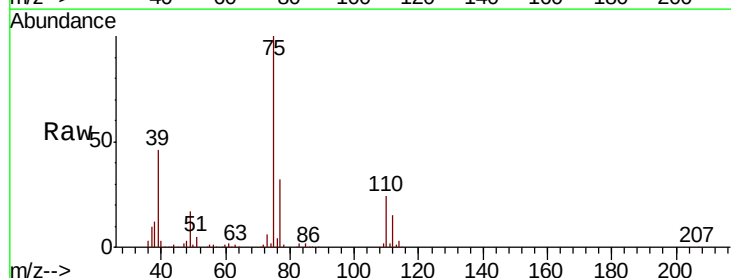
Instrument :
MSVOA_N
ClientSampled :

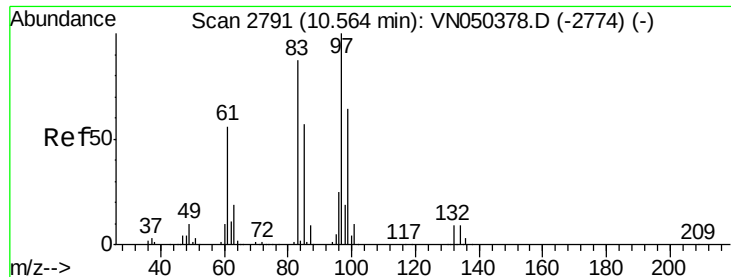
Tot Ion: 75 Resp: 236170
Ion Ratio Lower Upper
75 100
77 33.7 24.9 37.3



#54
cis-1,3-Dichloropropene
Concen: 18.73 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 75 Resp: 269459
Ion Ratio Lower Upper
75 100
77 31.8 25.5 38.3
39 45.6 36.6 55.0

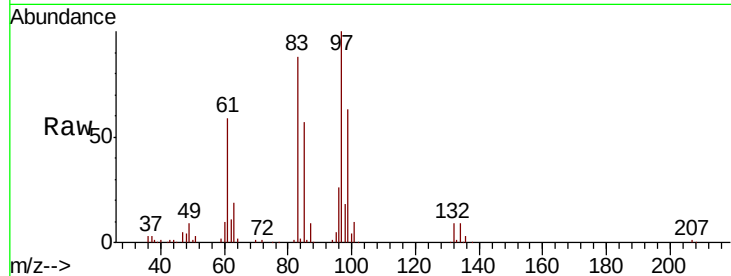




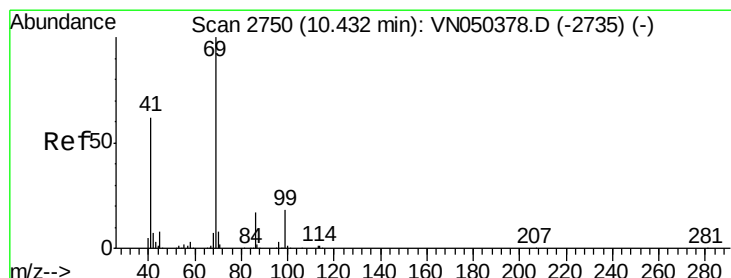
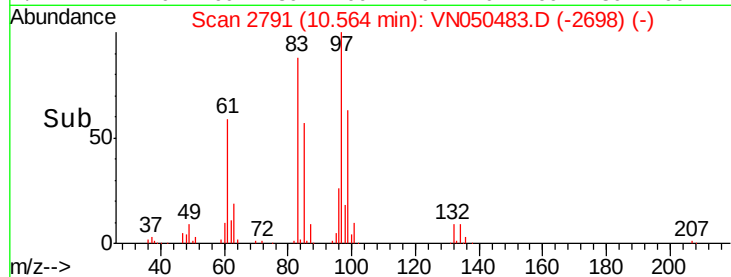
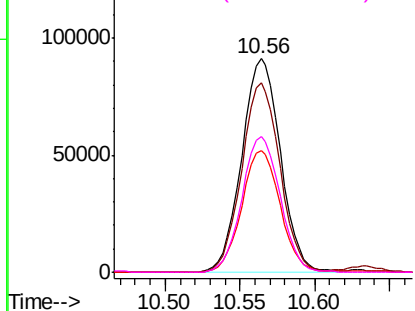
#55
 1,1,2-Trichloroethane
 Concen: 18.35 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	164286
Ion	Ratio	Lower	Upper
97	100		
83	88.5	69.2	103.8
85	57.1	44.0	66.0
99	63.5	49.9	74.9

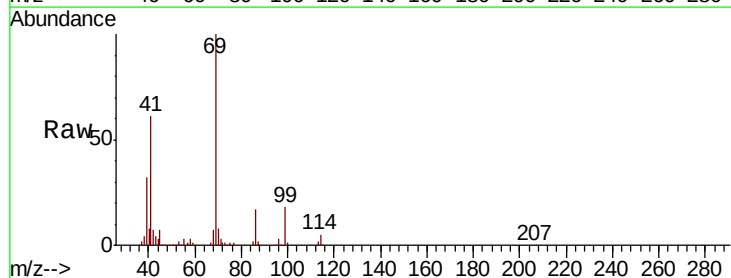


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

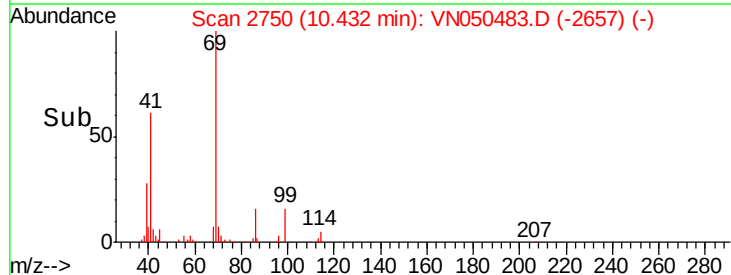
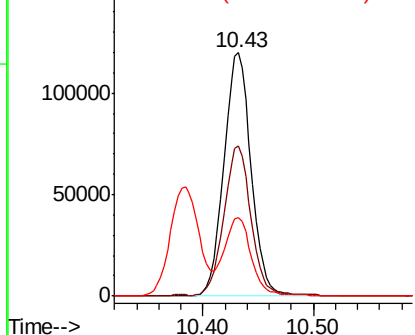


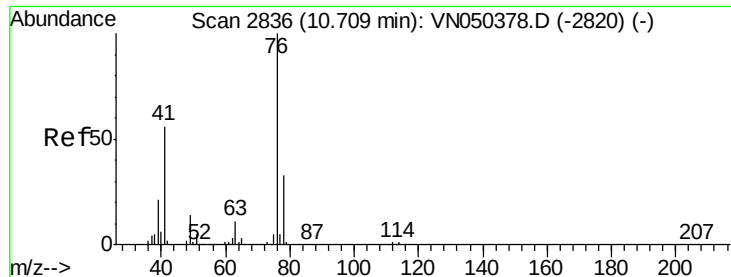
#56
 Ethyl methacrylate
 Concen: 17.33 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion:	69	Resp:	204945
Ion	Ratio	Lower	Upper
69	100		
41	61.7	51.0	76.4
39	31.7	26.6	40.0



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 18.62 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

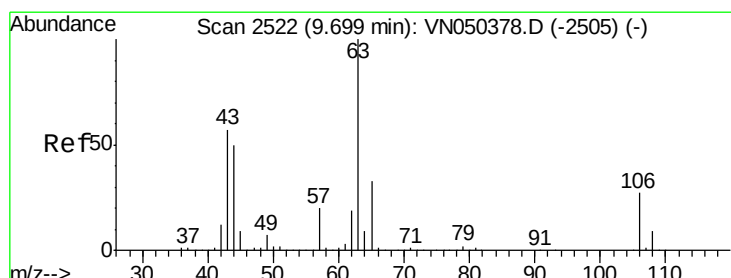
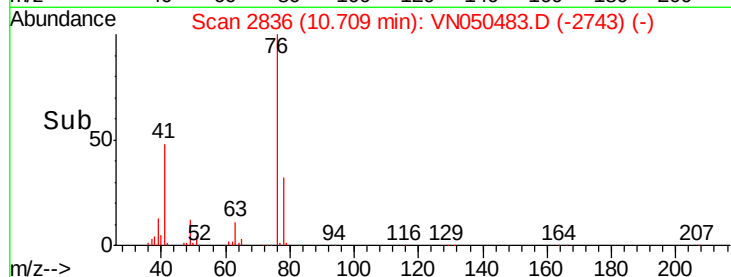
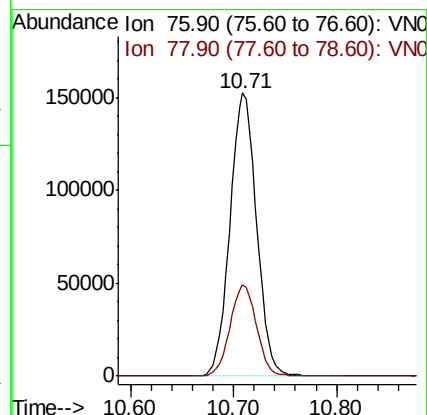
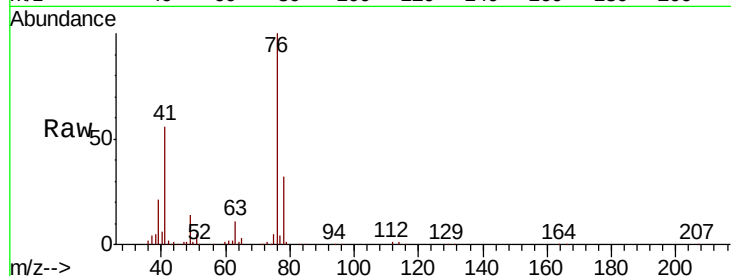
ClientSampleId :

Tot Ion: 76 Resp: 273692

Ion Ratio Lower Upper

76 100

78 32.2 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 85.13 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050483.D

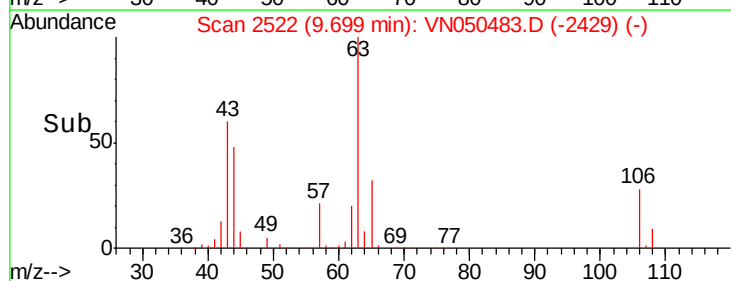
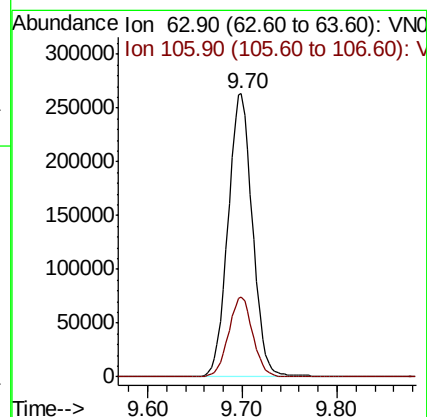
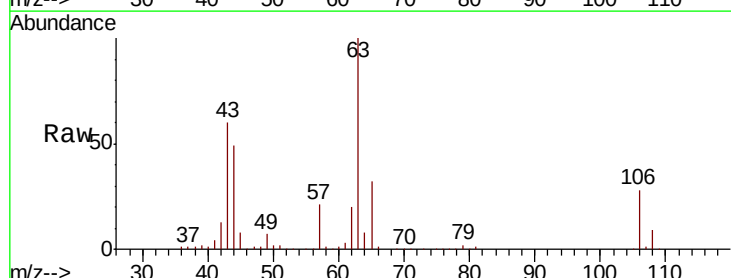
Acq: 9 Aug 2018 14:12

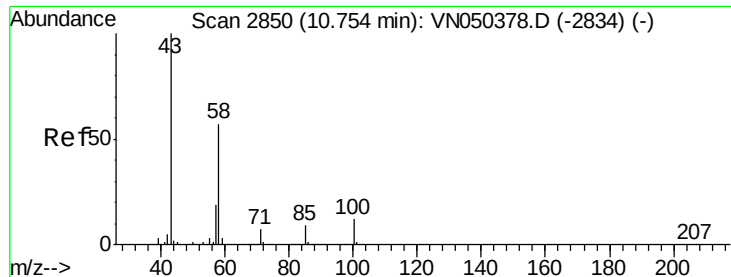
Tgt Ion: 63 Resp: 473142

Ion Ratio Lower Upper

63 100

106 28.2 21.7 32.5

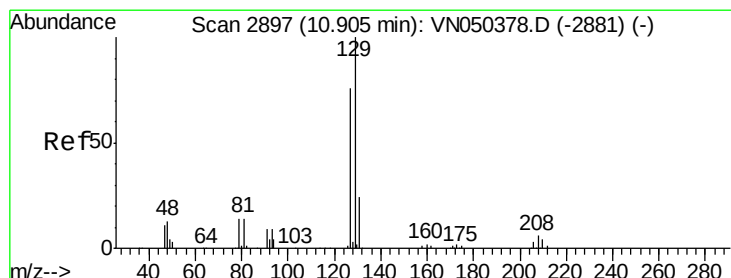
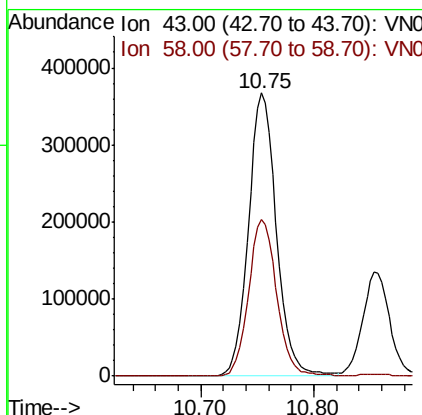
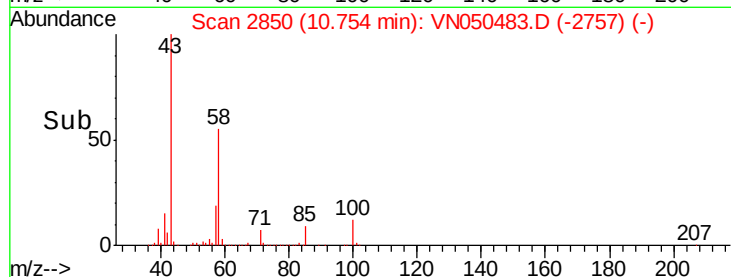
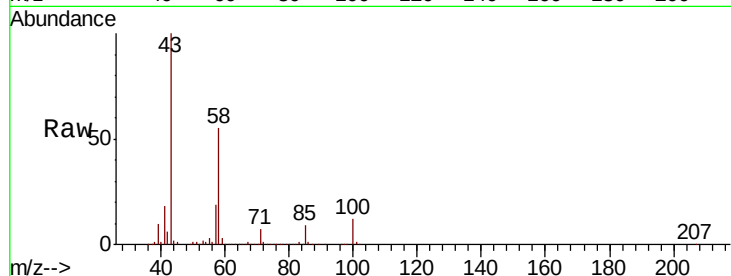




#59
2-Hexanone
Concen: 81.02 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

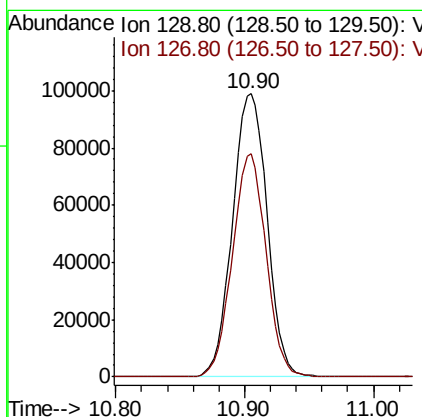
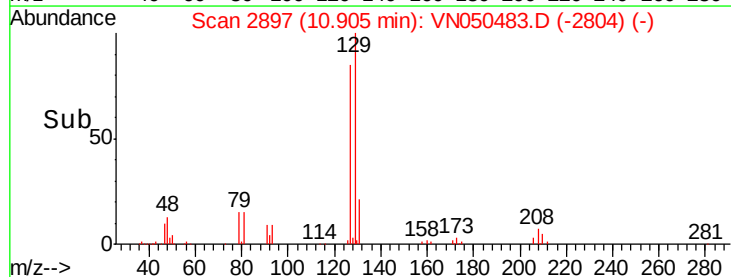
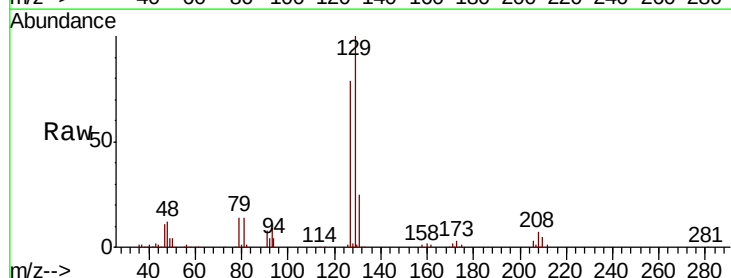
Instrument :
MSVOA_N
ClientSampled :

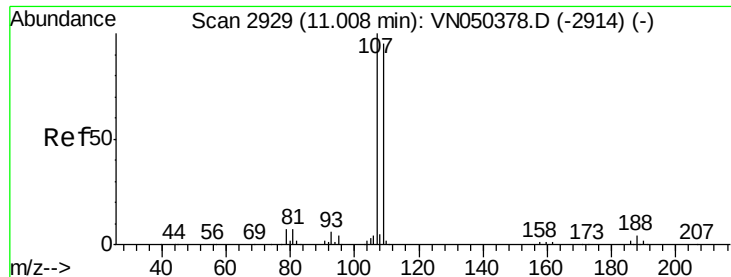
Tot Ion: 43 Resp: 628792
Ion Ratio Lower Upper
43 100
58 56.1 27.6 82.7



#60
Dibromochloromethane
Concen: 18.70 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 129 Resp: 184461
Ion Ratio Lower Upper
129 100
127 76.5 38.0 113.9

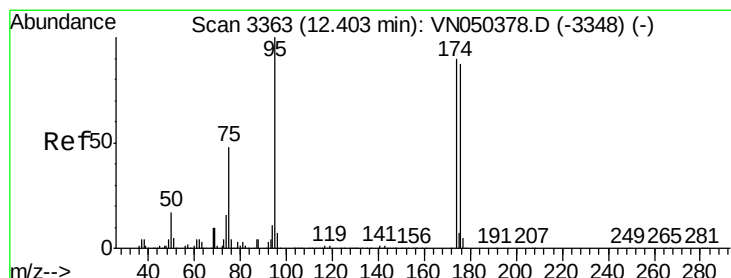
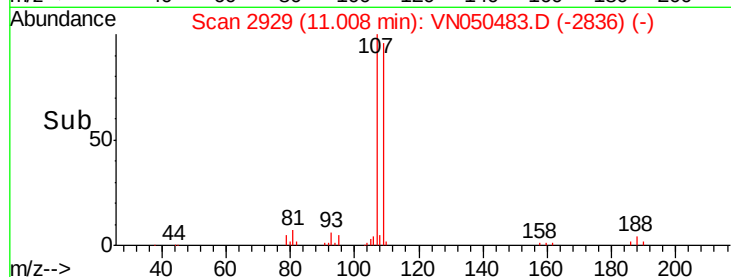
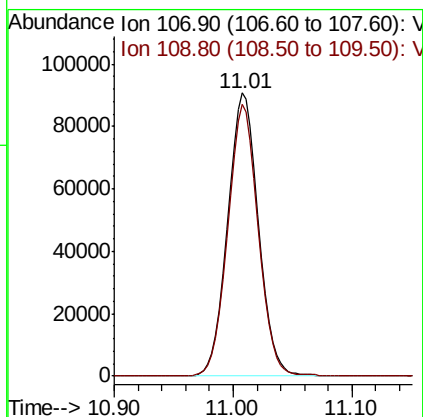
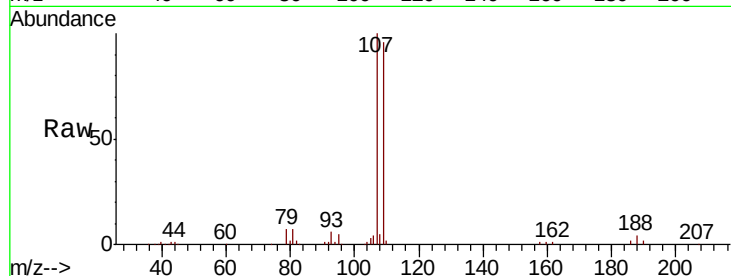




#61
 1,2-Dibromoethane
 Concen: 18.38 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

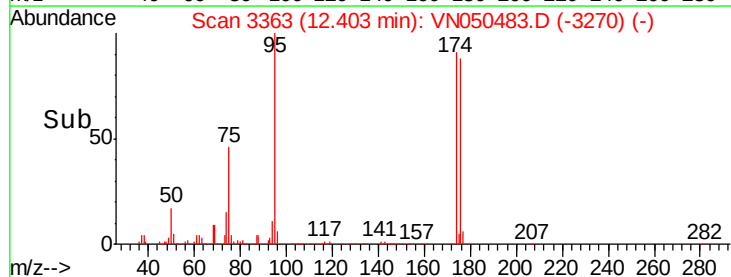
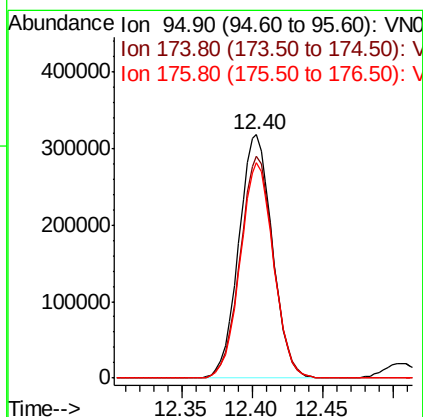
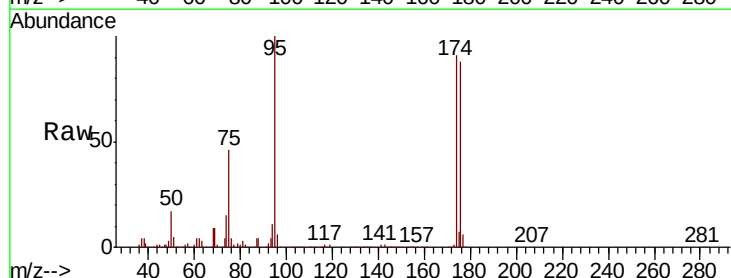
Instrument :
 MSVOA_N
 ClientSampled :

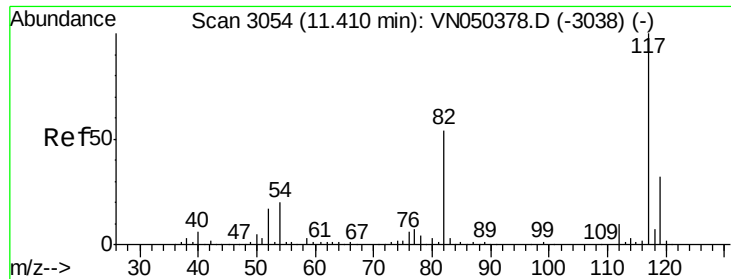
Tot Ion:107 Resp: 162207
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 45.57 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion: 95 Resp: 529613
 Ion Ratio Lower Upper
 95 100
 174 90.7 0.0 178.2
 176 87.5 0.0 173.4

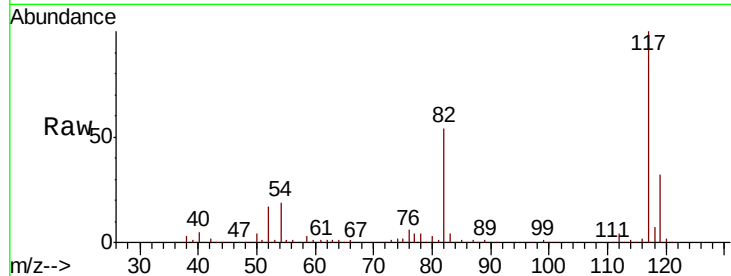




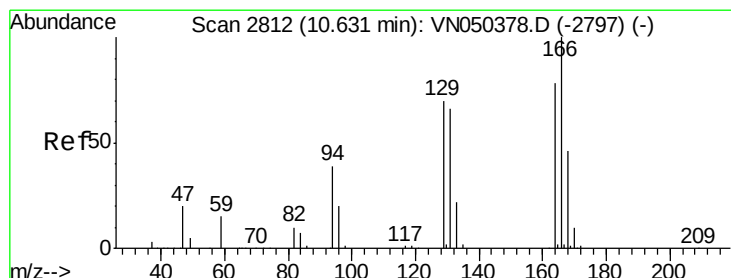
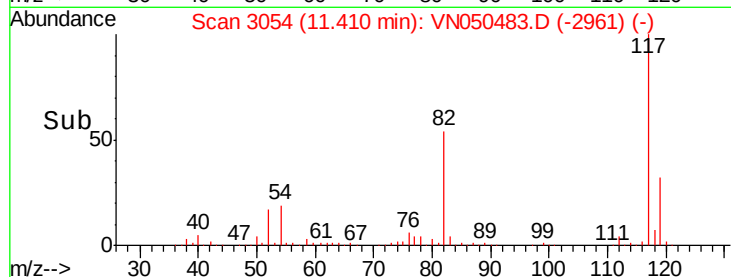
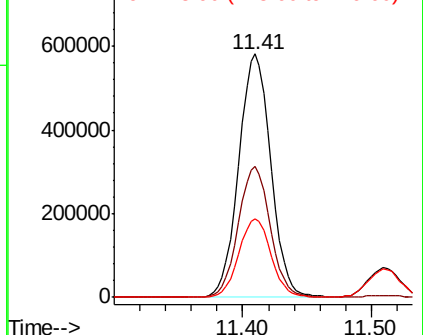
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1007034
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 32.4 26.1 39.1

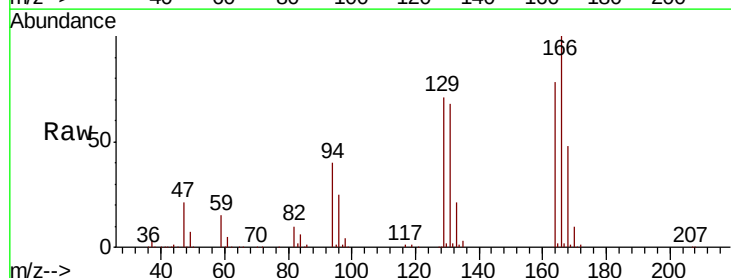


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

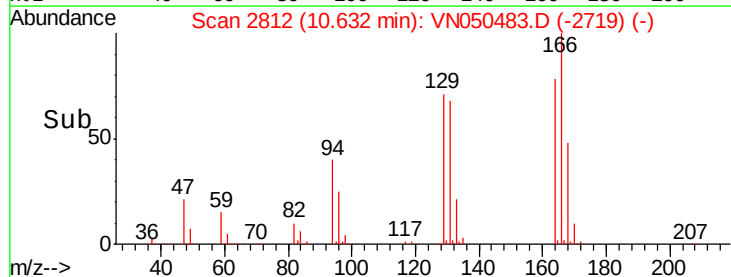
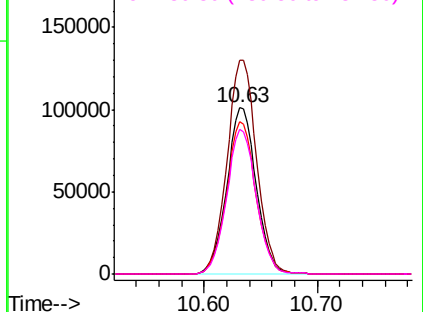


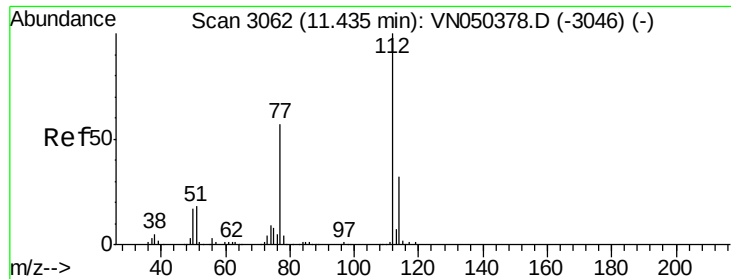
#64
Tetrachloroethene
Concen: 19.43 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion:164 Resp: 182820
Ion Ratio Lower Upper
164 100
166 128.4 102.1 153.1
129 91.6 73.2 109.8
131 86.9 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

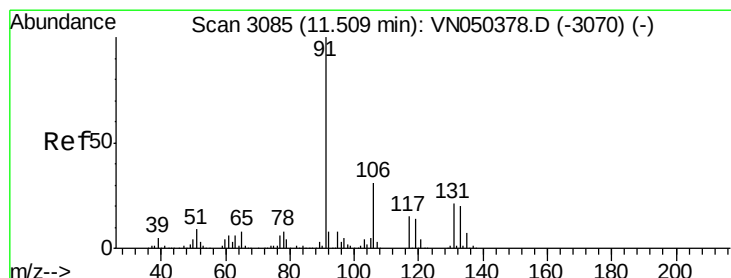
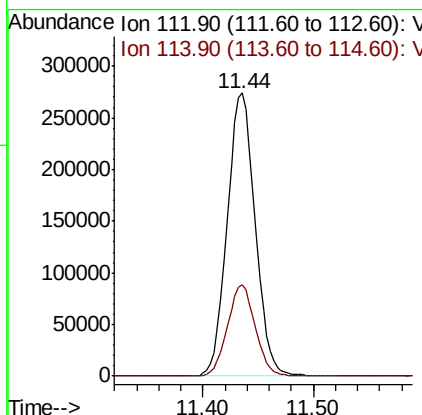
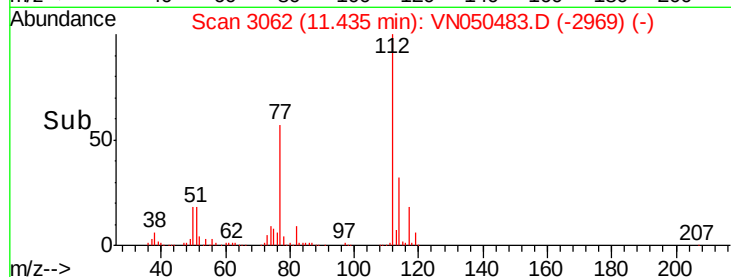
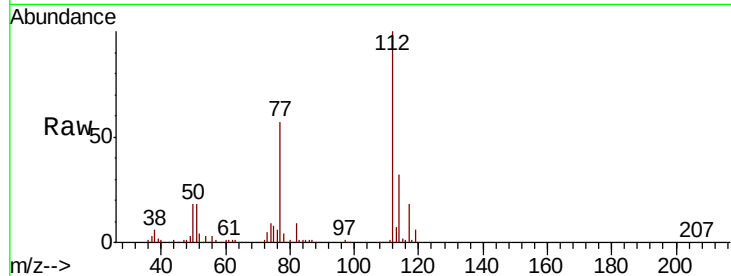




#65
Chlorobenzene
Concen: 19.10 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

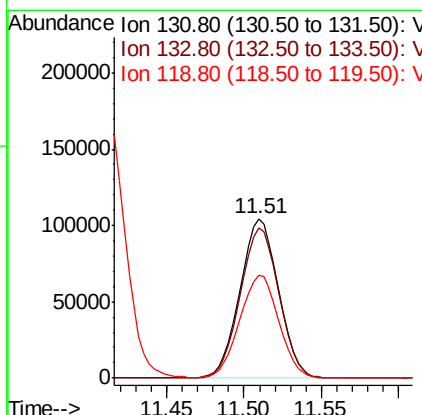
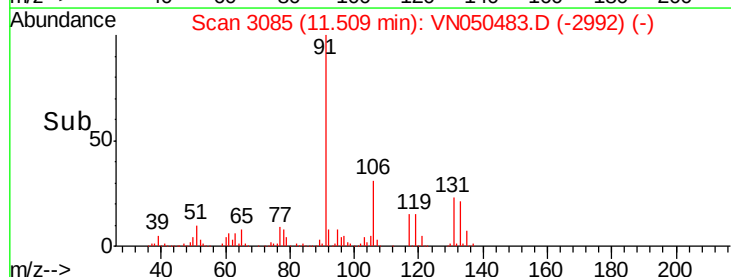
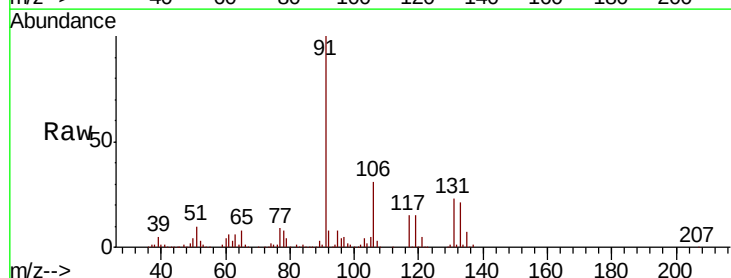
Instrument :
MSVOA_N
ClientSampled :

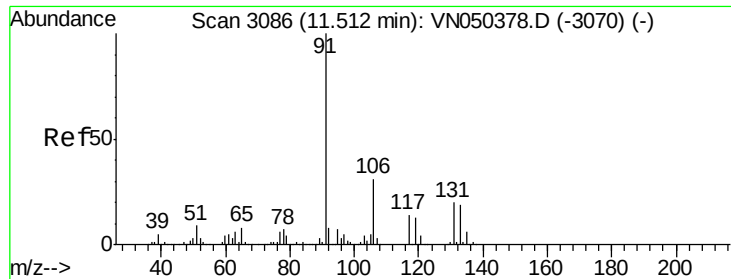
Tot Ion:112 Resp: 482101
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.65 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion:131 Resp: 180578
Ion Ratio Lower Upper
131 100
133 95.0 47.3 141.9
119 65.9 32.9 98.7

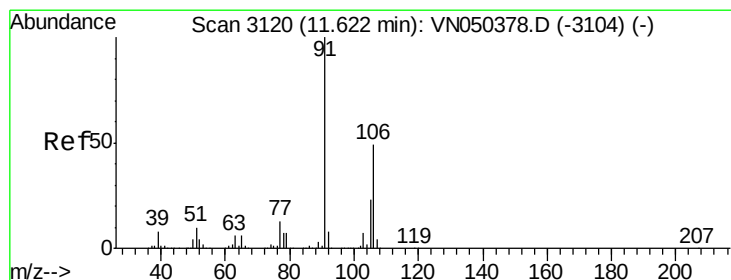
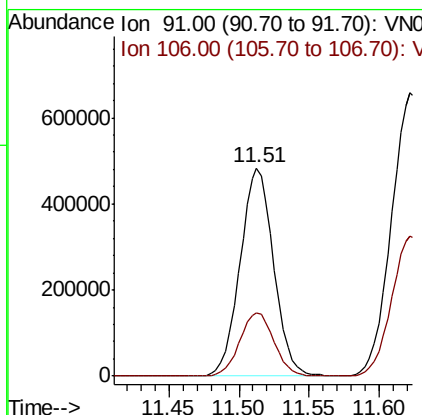
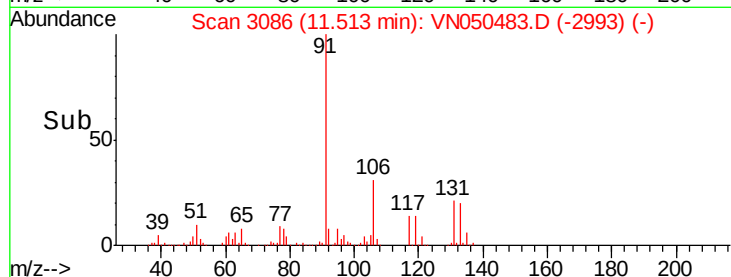
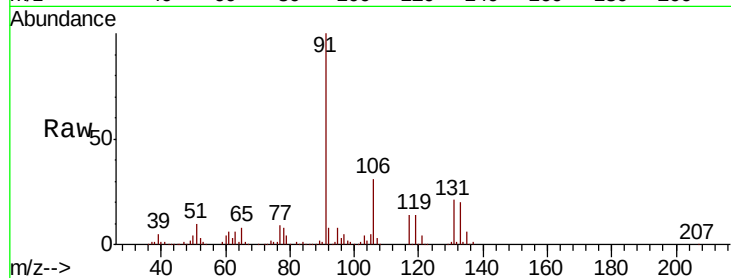




#67
Ethyl Benzene
Concen: 19.72 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

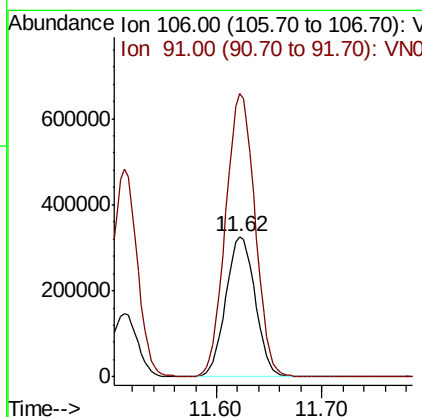
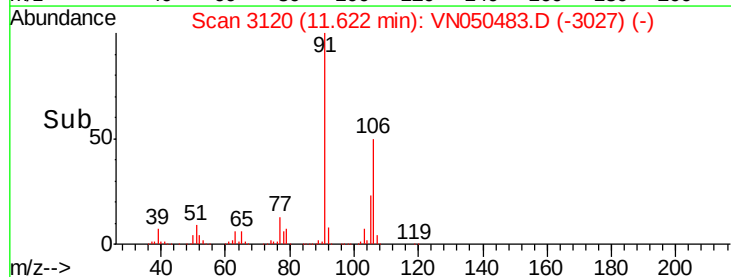
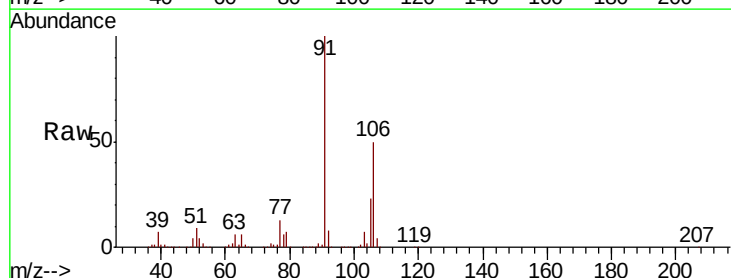
Instrument :
MSVOA_N
ClientSampled :

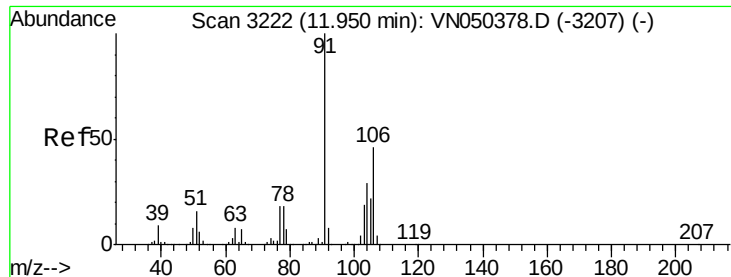
Tot Ion: 91 Resp: 804803
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.4



#68
m/p-Xylenes
Concen: 40.40 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 106 Resp: 627638
Ion Ratio Lower Upper
106 100
91 202.5 162.2 243.2





#69

o-Xylene

Concen: 20.05 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

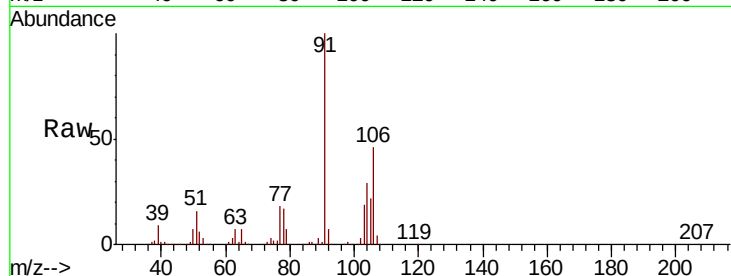
ClientSampled :

Tot Ion:106 Resp: 300064

Ion Ratio Lower Upper

106 100

91 213.9 107.7 323.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

400000

300000

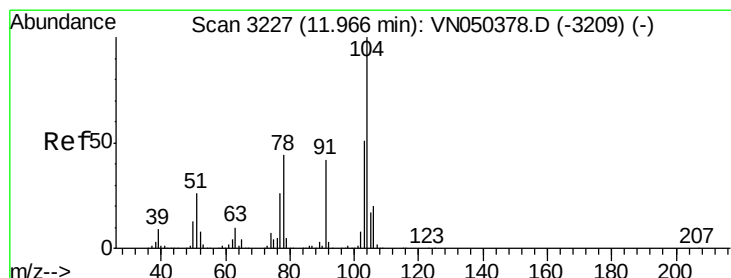
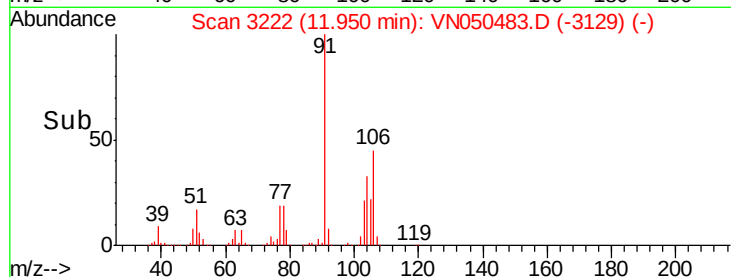
200000

100000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 19.75 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

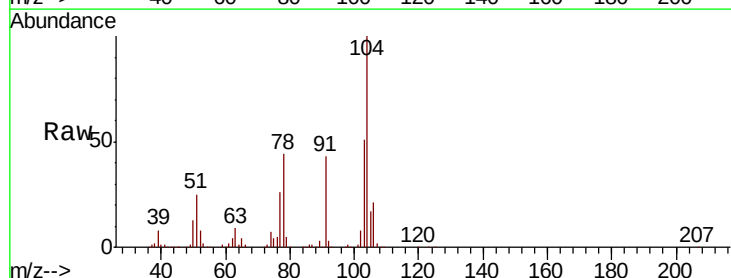
Tgt Ion:104 Resp: 480562

Ion Ratio Lower Upper

104 100

78 48.7 39.3 58.9

103 56.0 45.0 67.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

300000

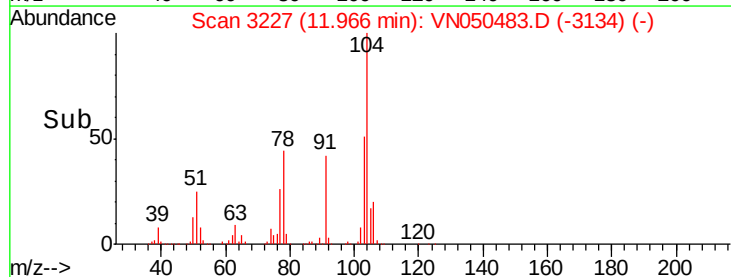
200000

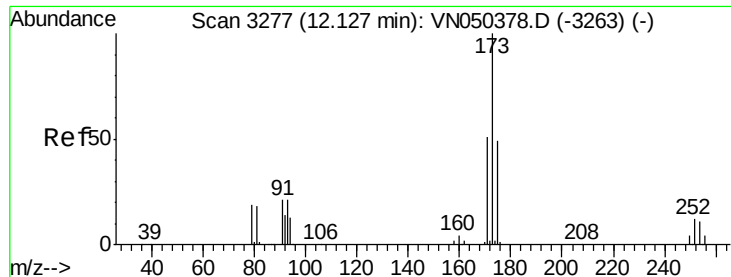
100000

0

11.90 11.95 12.00

Time-->





#71

Bromoform

Concen: 18.59 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

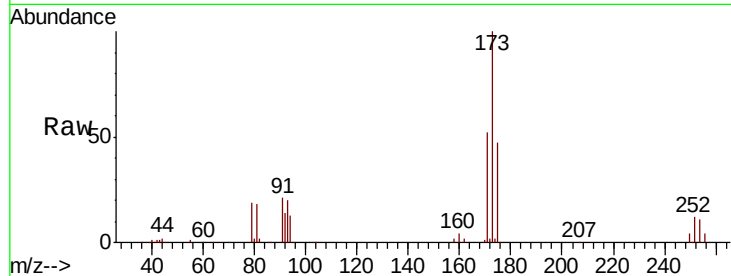
Tot Ion:173 Resp: 124862

Ion Ratio Lower Upper

173 100

175 47.7 24.1 72.2

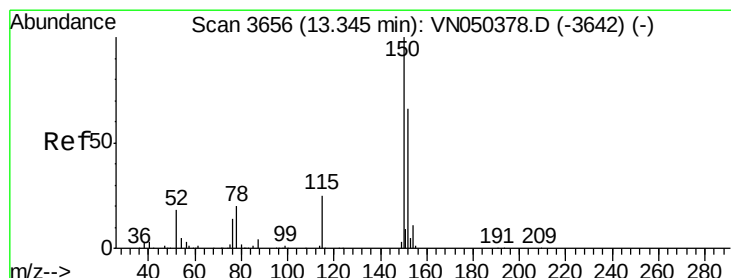
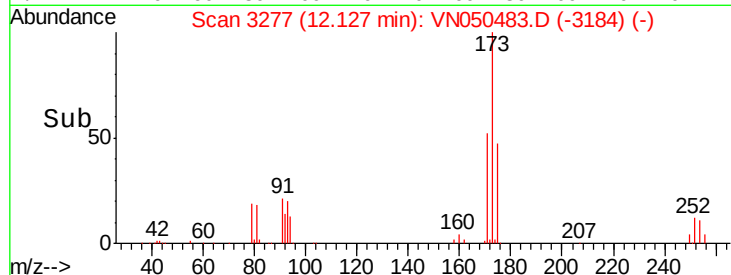
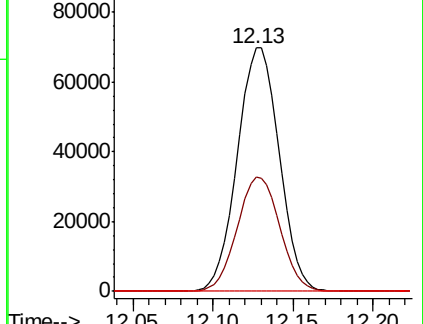
254 0.0 0.2 0.2#



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: VN050483.D

Acq: 9 Aug 2018 14:12

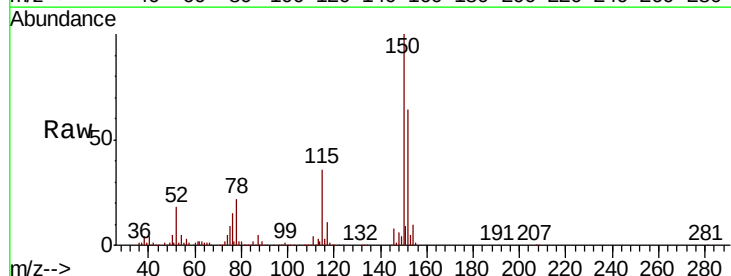
Tgt Ion:152 Resp: 509666

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.3

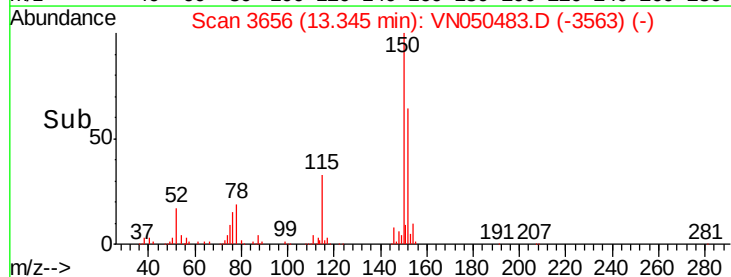
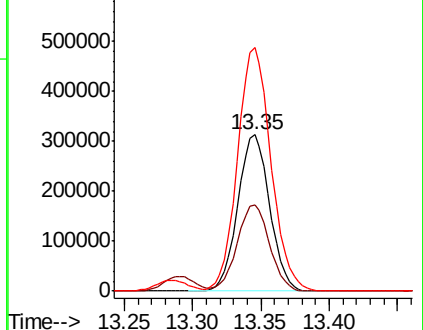
150 163.1 0.0 348.6

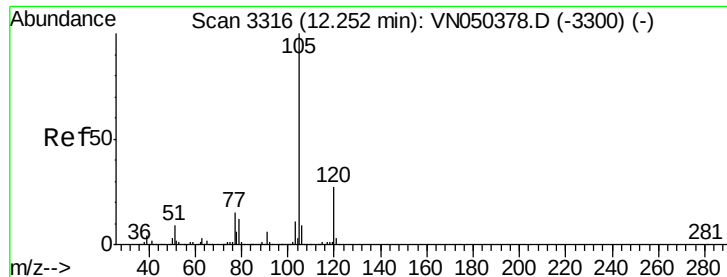


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.76 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

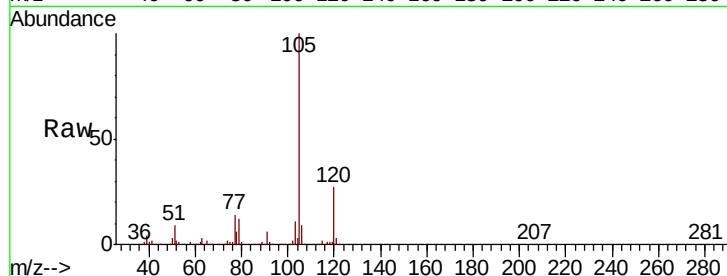
ClientSampled :

Tot Ion:105 Resp: 794059

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

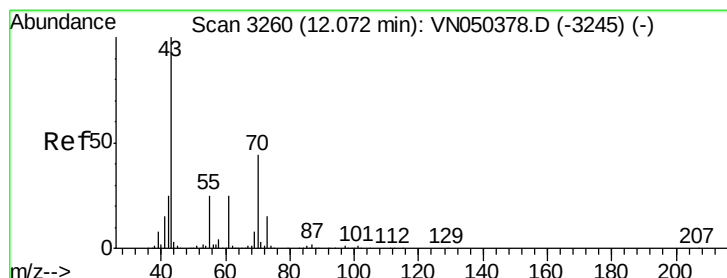
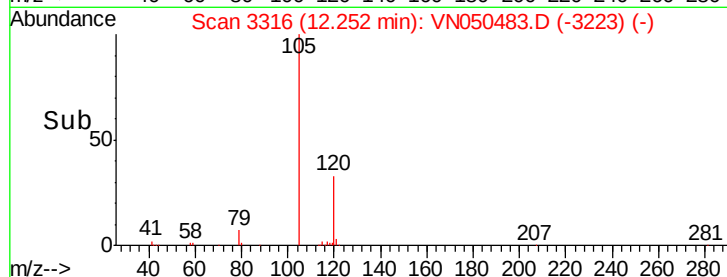
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.60 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Tgt Ion: 43 Resp: 218304

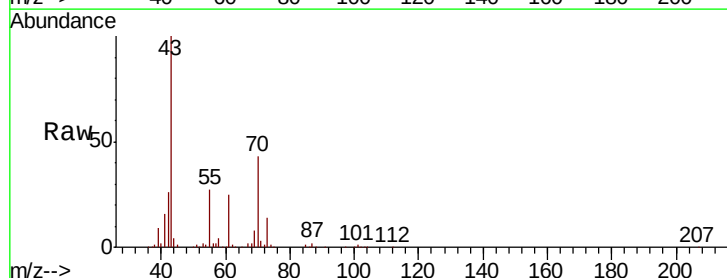
Ion Ratio Lower Upper

43 100

70 44.6 34.4 51.6

55 27.2 20.8 31.2

61 25.5 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

200000

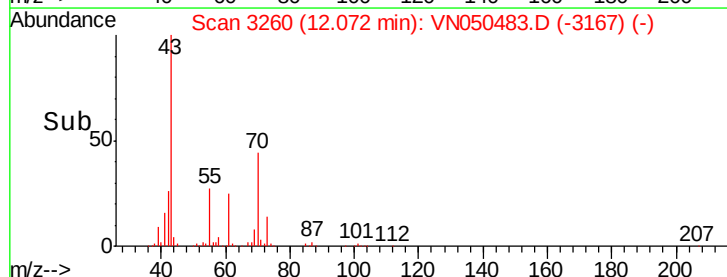
150000

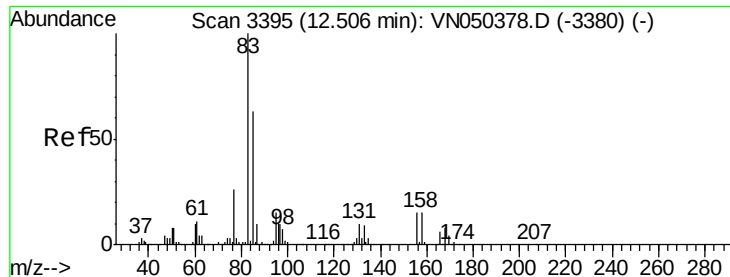
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.81 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

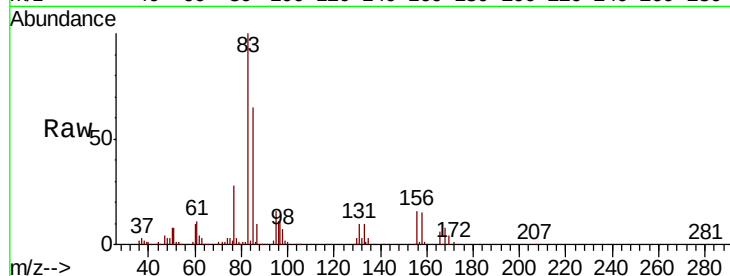
Tot Ion: 83 Resp: 207648

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.3

85 64.3 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN050378.D (-3380) (-)

Ion 130.80 (130.50 to 131.50): VN050378.D (-3380) (-)

Ion 84.90 (84.60 to 85.60): VN050378.D (-3380) (-)

12.51

150000

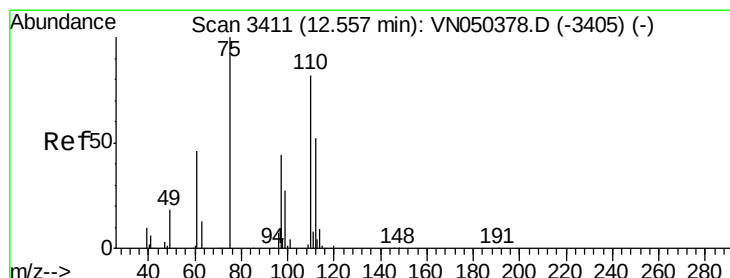
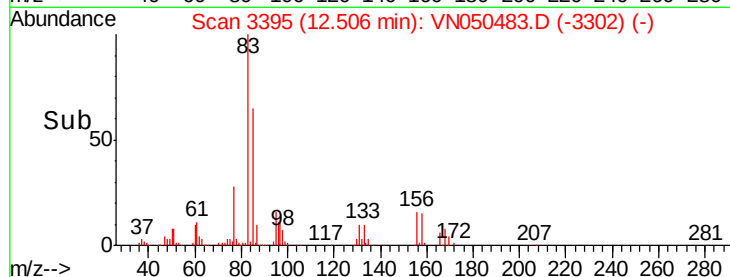
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.11 ug/l

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050483.D

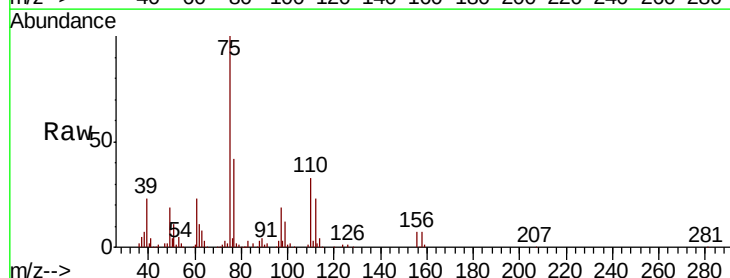
Acq: 9 Aug 2018 14:12

Tgt Ion: 75 Resp: 240866

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050378.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN050378.D (-3405) (-)

200000

150000

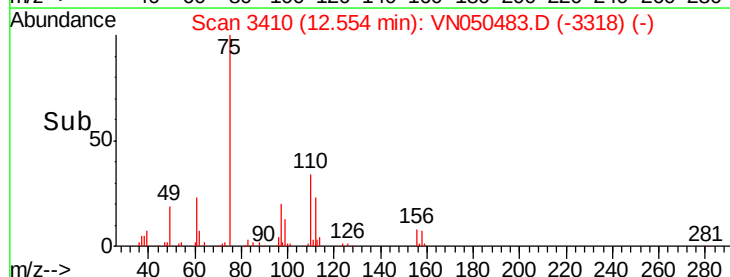
100000

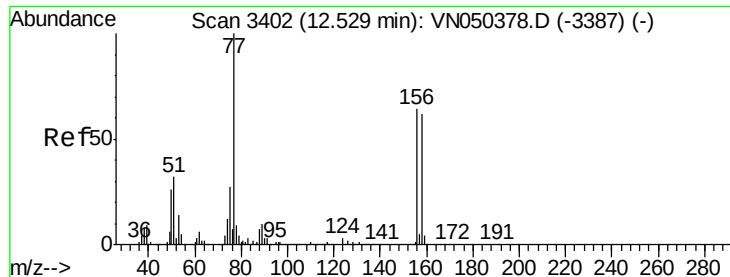
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 20.22 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

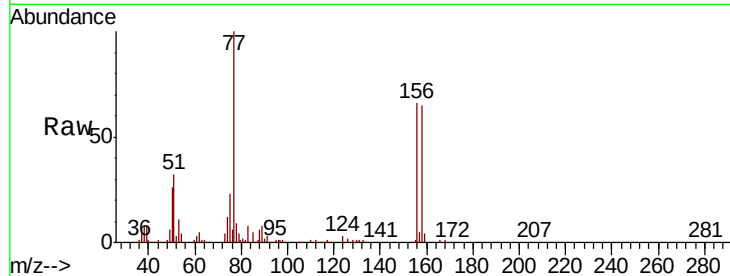
Tot Ion:156 Resp: 207202

Ion Ratio Lower Upper

156 100

77 178.9 91.7 275.1

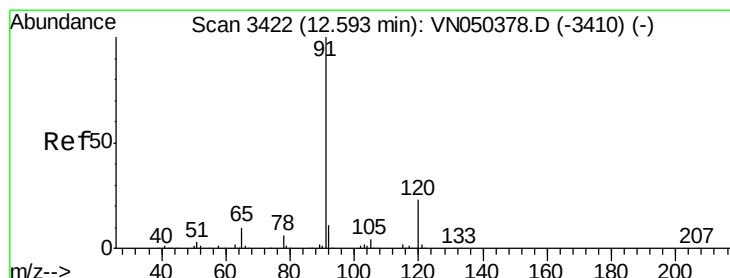
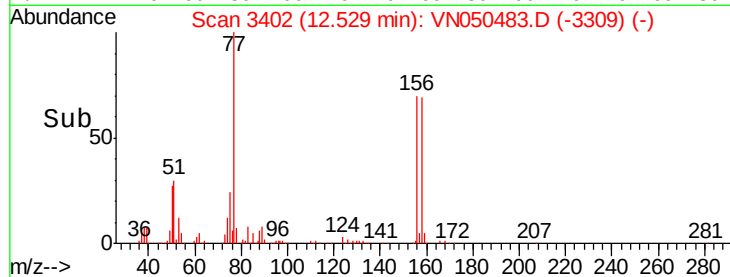
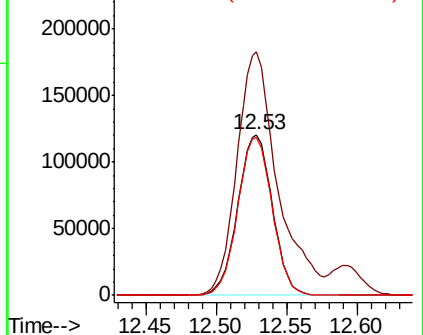
158 97.9 48.9 146.6



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: 20.47 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050483.D

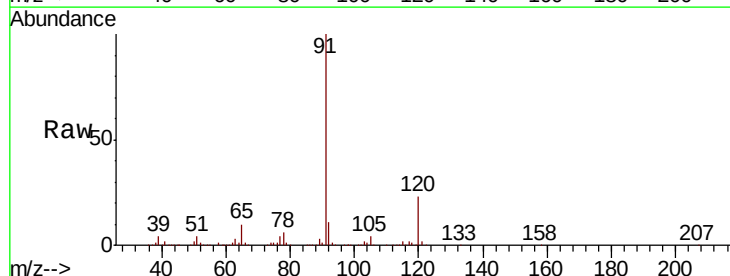
Acq: 9 Aug 2018 14:12

Tgt Ion: 91 Resp: 886634

Ion Ratio Lower Upper

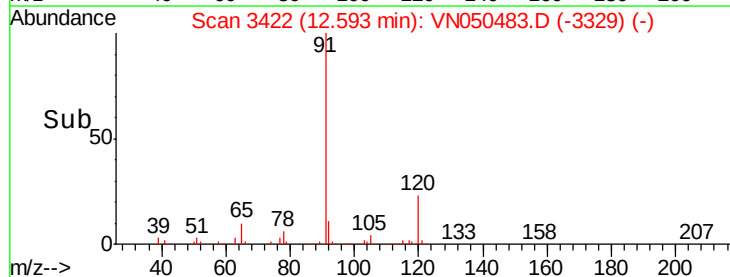
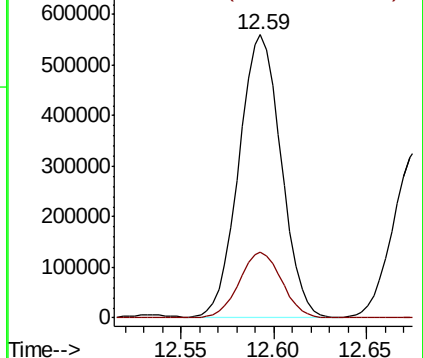
91 100

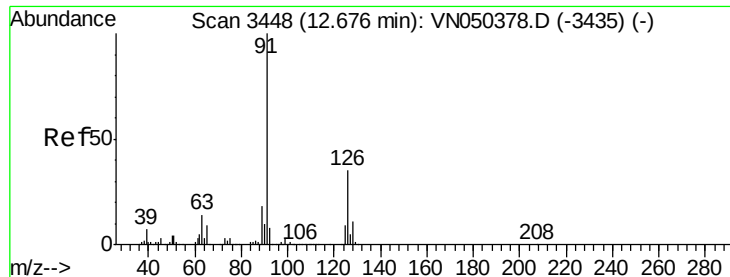
120 23.4 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.30 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

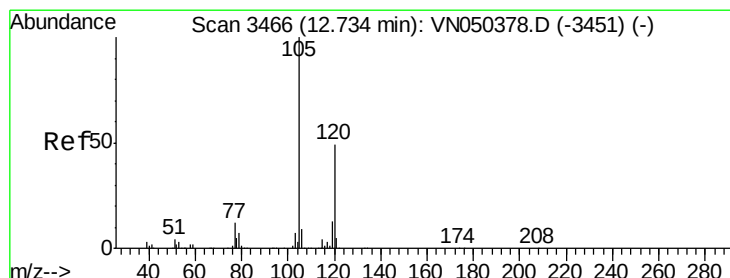
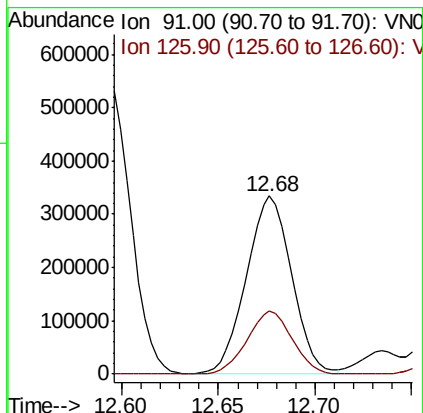
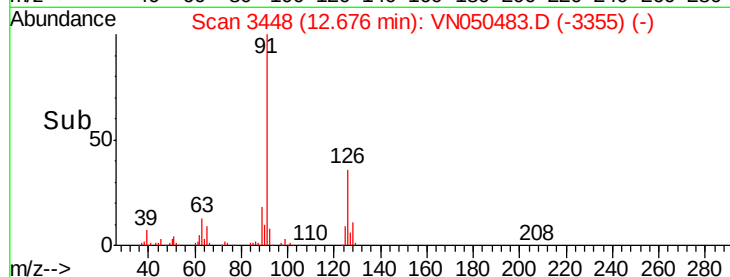
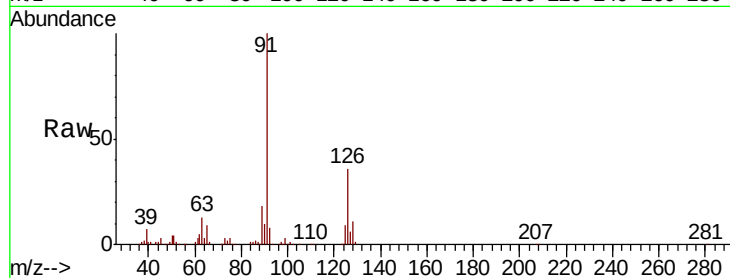
ClientSampled :

Tot Ion: 91 Resp: 542949

Ion Ratio Lower Upper

91 100

126 35.4 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 20.87 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050483.D

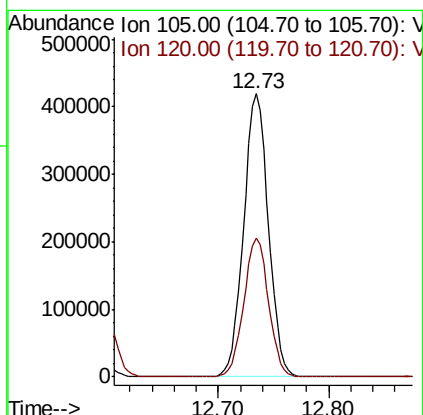
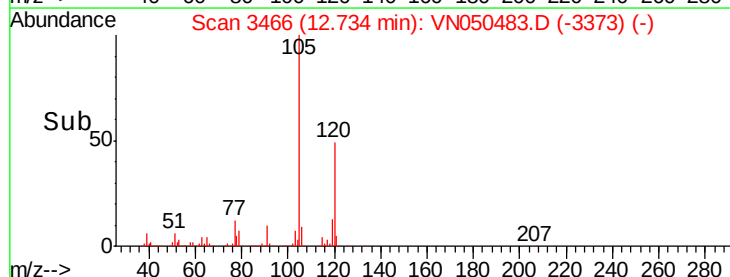
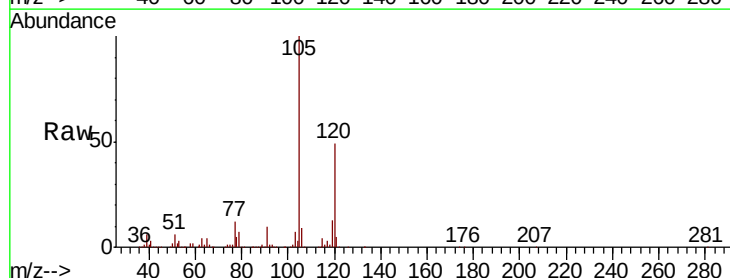
Acq: 9 Aug 2018 14:12

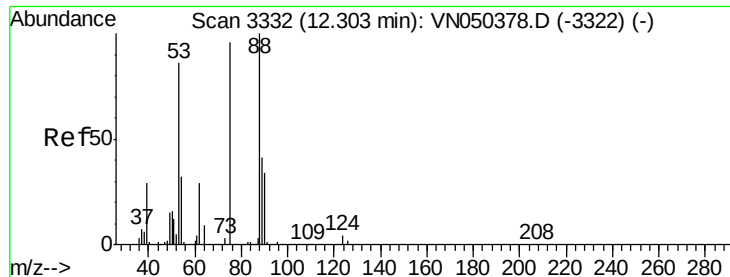
Tgt Ion: 105 Resp: 648036

Ion Ratio Lower Upper

105 100

120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.48 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampleId :

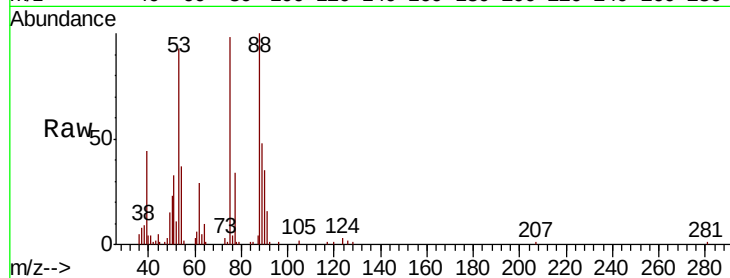
Tot Ion: 75 Resp: 45894

Ion Ratio Lower Upper

75 100

53 92.0 73.5 110.3

89 47.7 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

200000

150000

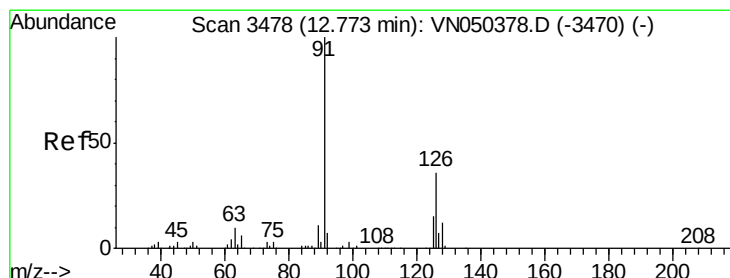
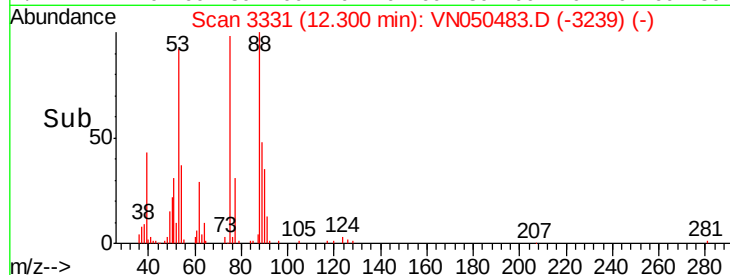
100000

50000

0

12.25 12.30 12.35

Time-->



#82

4-Chlorotoluene

Concen: 20.19 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN050483.D

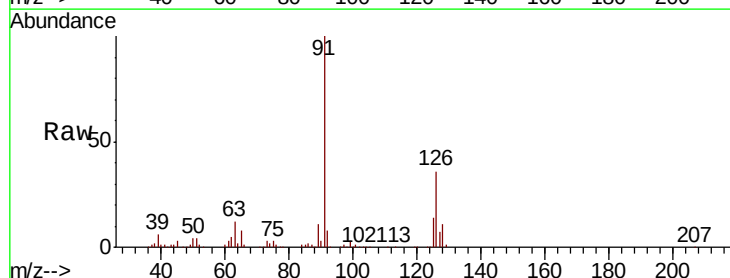
Acq: 9 Aug 2018 14:12

Tgt Ion: 91 Resp: 538497

Ion Ratio Lower Upper

91 100

126 34.9 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

300000

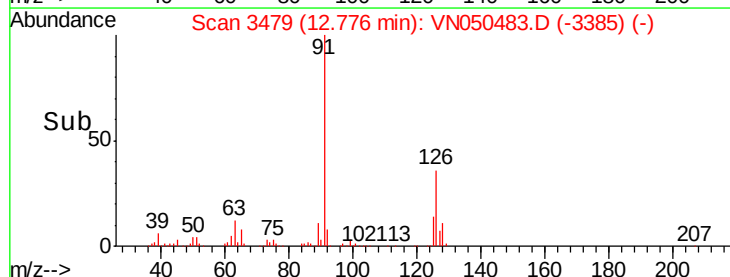
200000

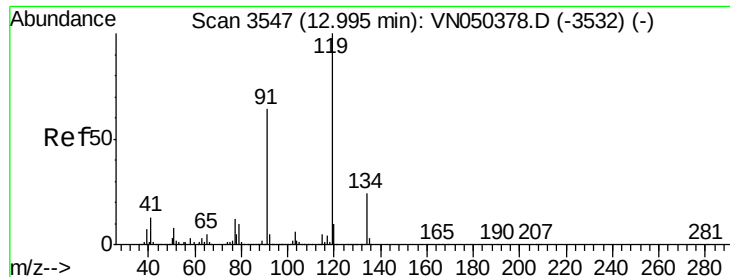
100000

0

12.75 12.80 12.85

Time-->





#83

tert-Butylbenzene

Concen: 20.38 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

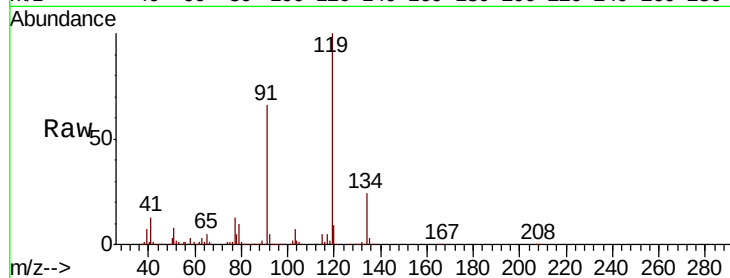
Tot Ion:119 Resp: 552033

Ion Ratio Lower Upper

119 100

91 64.0 32.1 96.3

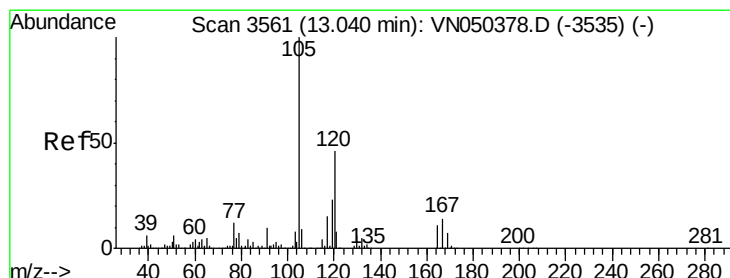
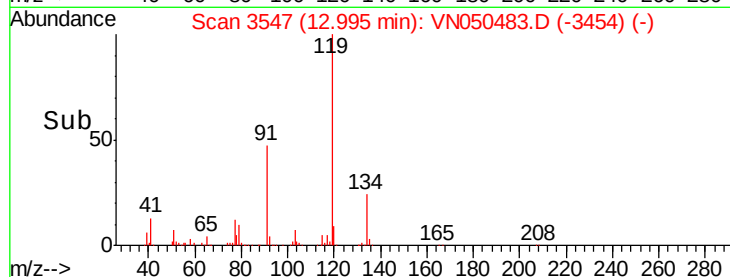
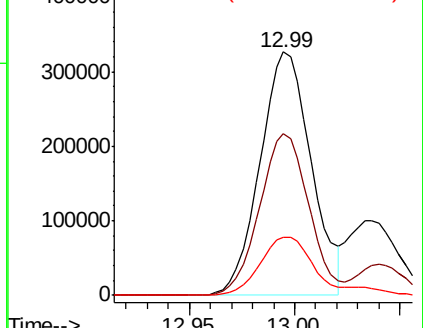
134 26.6 13.2 39.5



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: 20.78 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050483.D

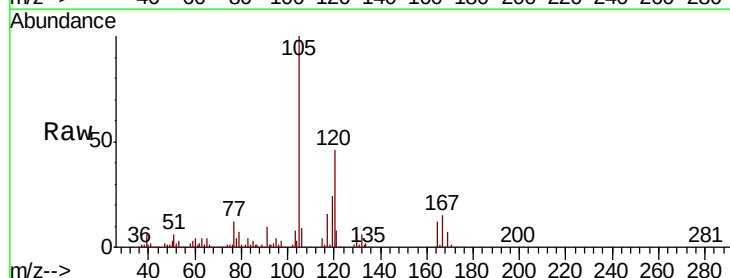
Acq: 9 Aug 2018 14:12

Tgt Ion:105 Resp: 653754

Ion Ratio Lower Upper

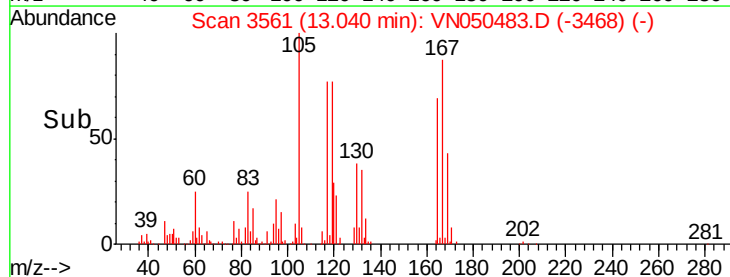
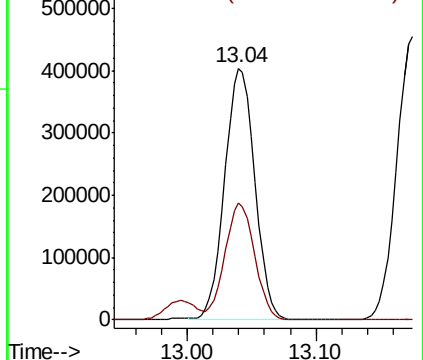
105 100

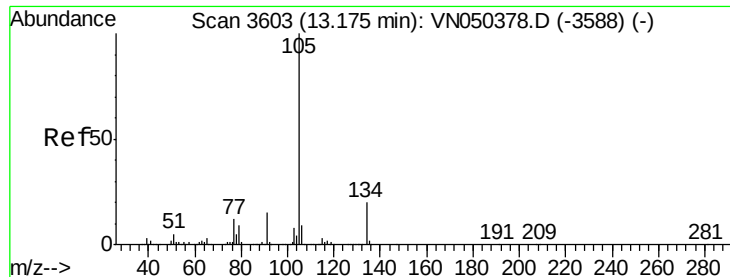
120 45.7 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.90 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

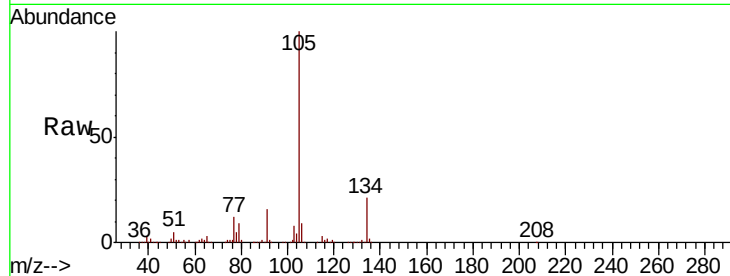
ClientSampled :

Tot Ion:105 Resp: 718593

Ion Ratio Lower Upper

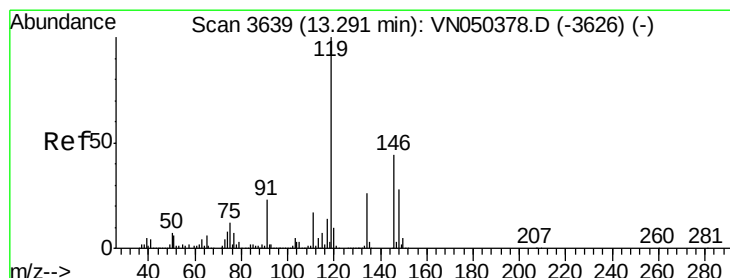
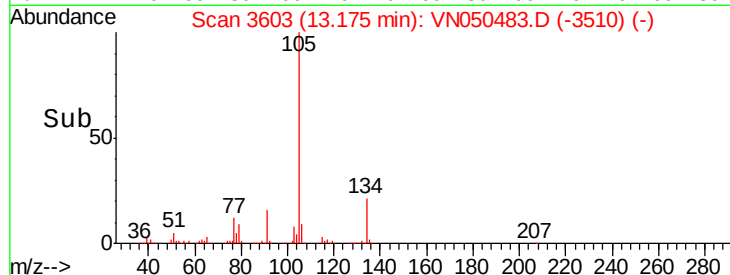
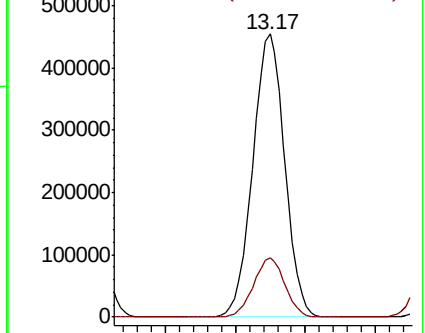
105 100

134 20.6 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.02 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

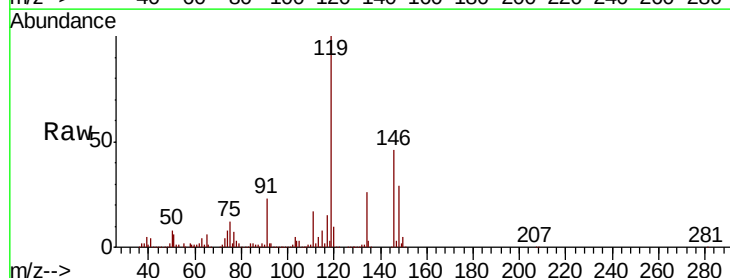
Tgt Ion:119 Resp: 619517

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

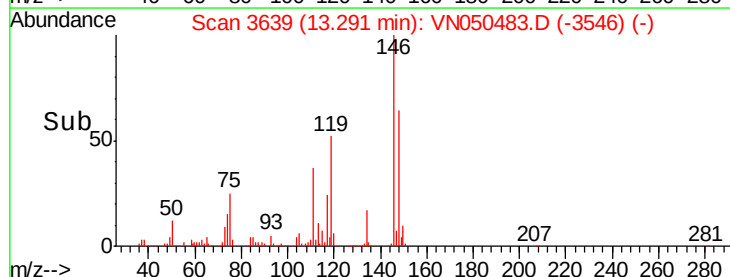
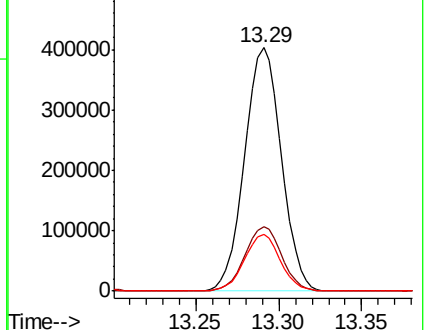
91 22.6 11.4 34.2

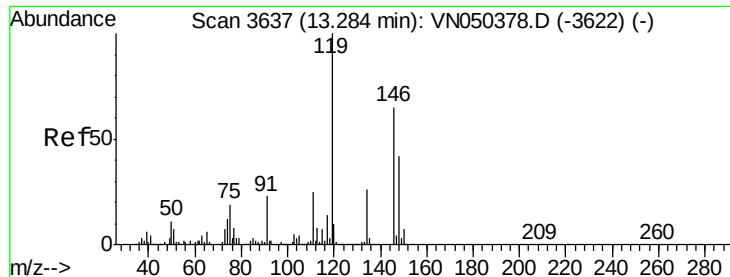


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.48 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

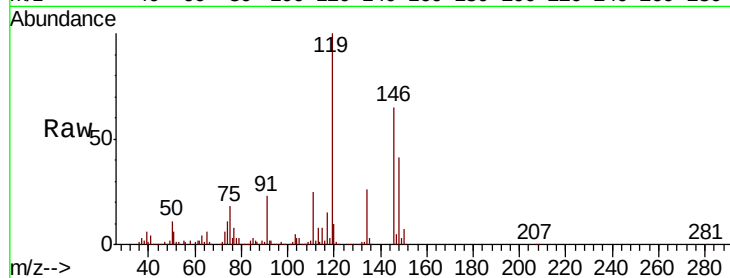
Tot Ion:146 Resp: 355560

Ion Ratio Lower Upper

146 100

111 37.8 18.8 56.4

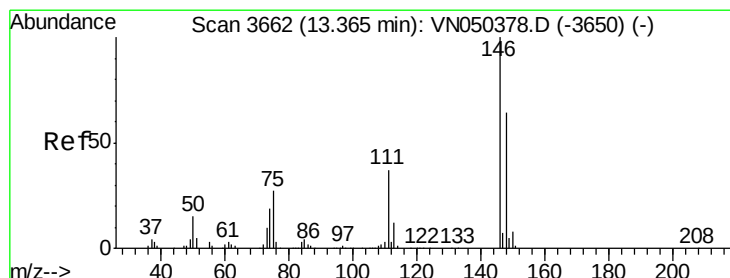
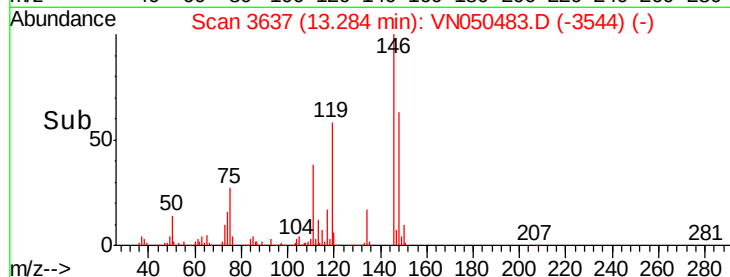
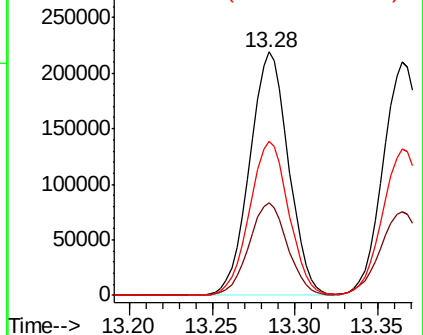
148 64.2 31.9 95.9



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



#88

1,4-Dichlorobenzene

Concen: 18.94 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

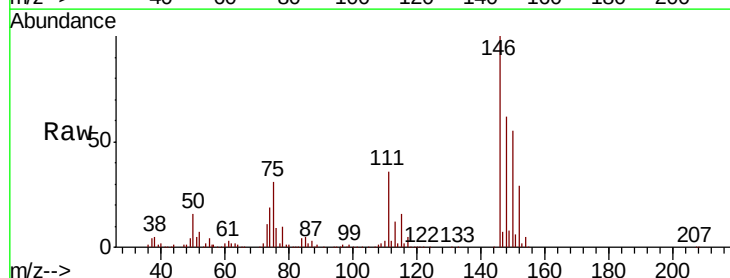
Tgt Ion:146 Resp: 345261

Ion Ratio Lower Upper

146 100

111 38.0 18.3 54.9

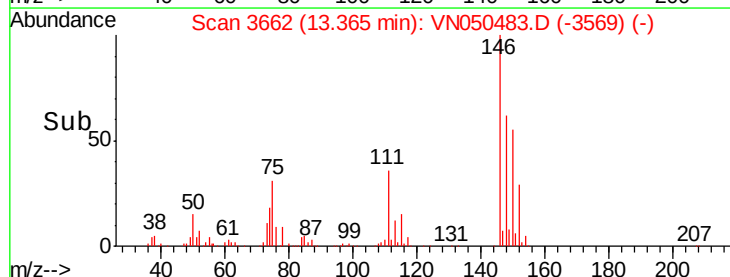
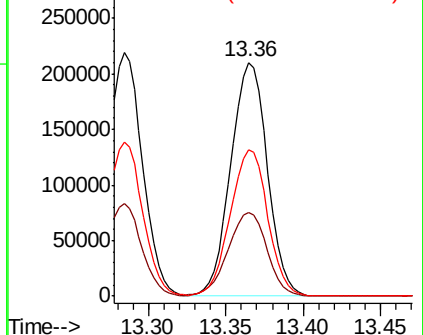
148 64.1 31.9 95.9

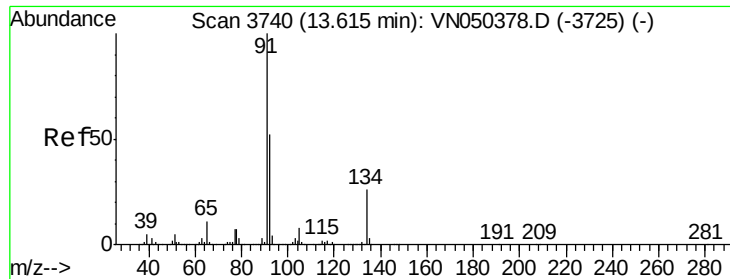


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

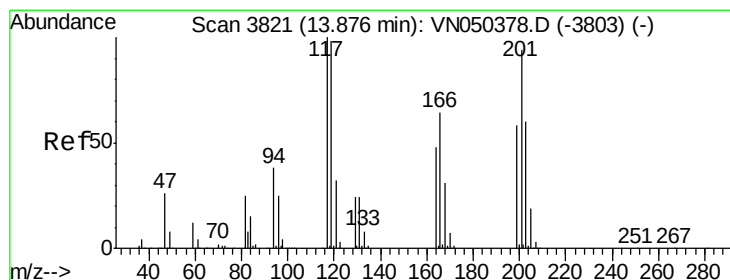
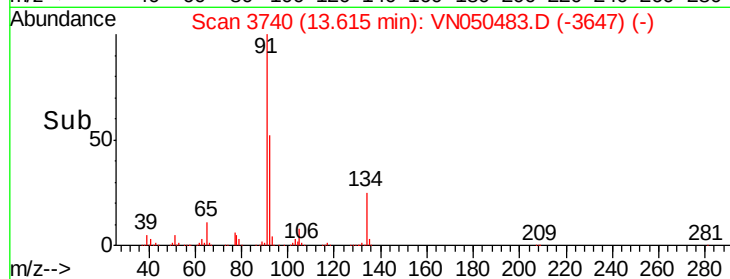
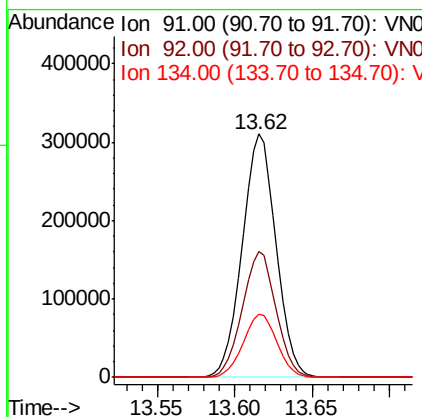
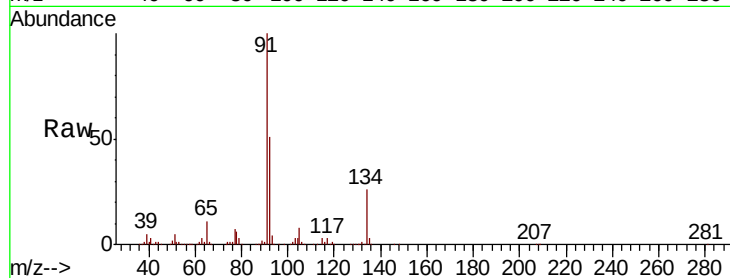




#89
n-Butylbenzene
Concen: 17.87 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

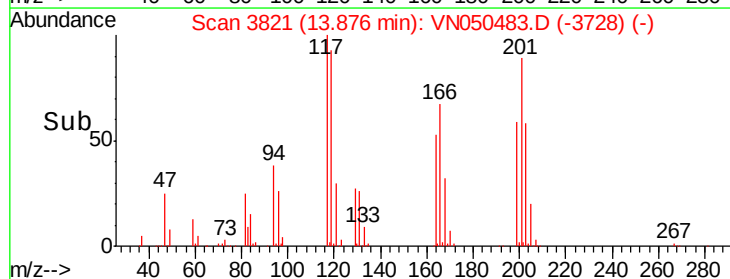
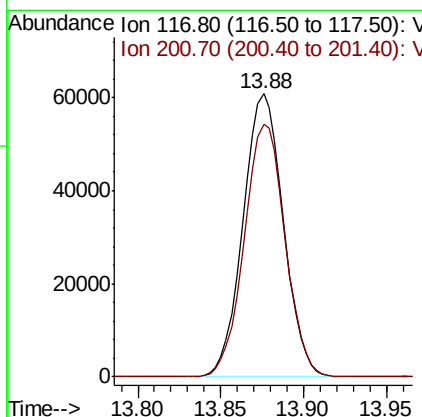
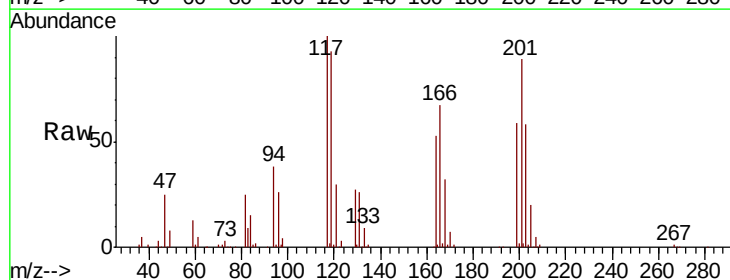
Instrument :
MSVOA_N
ClientSampled :

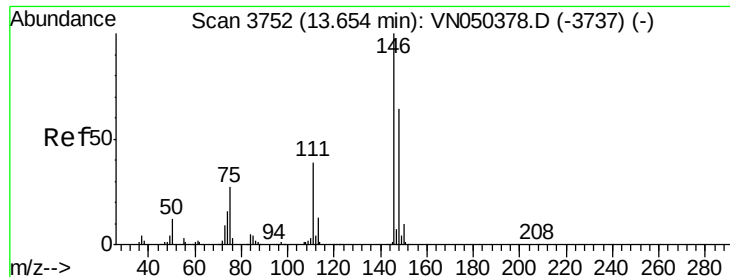
Tot Ion: 91 Resp: 470699
Ion Ratio Lower Upper
91 100
92 51.6 25.8 77.4
134 26.2 12.8 38.4



#90
Hexachloroethane
Concen: 18.67 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050483.D
Acq: 9 Aug 2018 14:12

Tgt Ion: 117 Resp: 102749
Ion Ratio Lower Upper
117 100
201 90.3 45.6 136.8





#91

1,2-Dichlorobenzene

Concen: 18.93 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

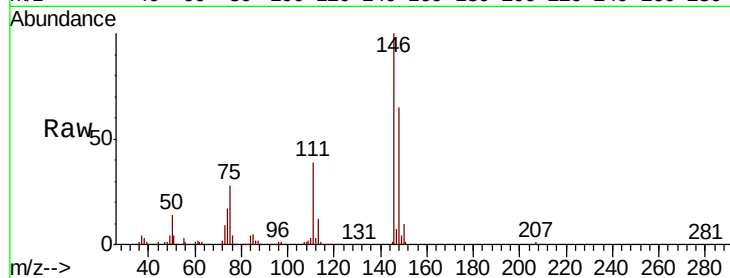
Tot Ion:146 Resp: 346423

Ion Ratio Lower Upper

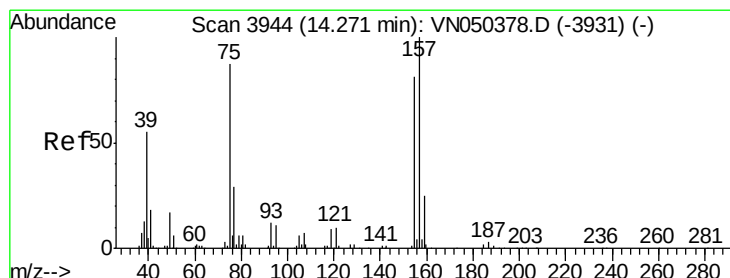
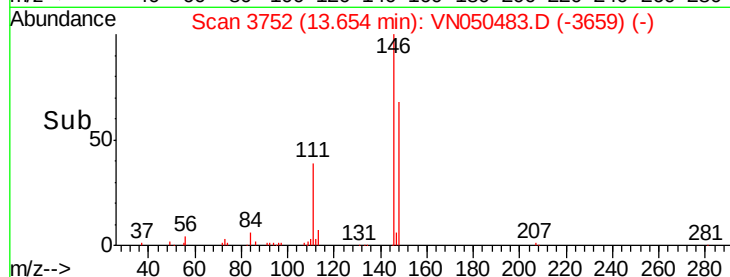
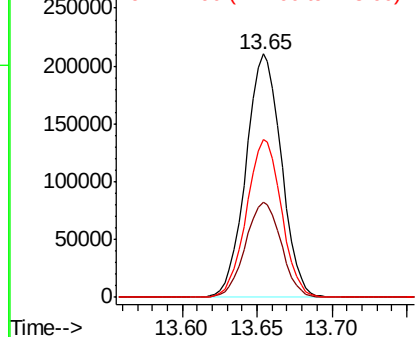
146 100

111 39.3 19.6 58.7

148 63.8 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: 15.49 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

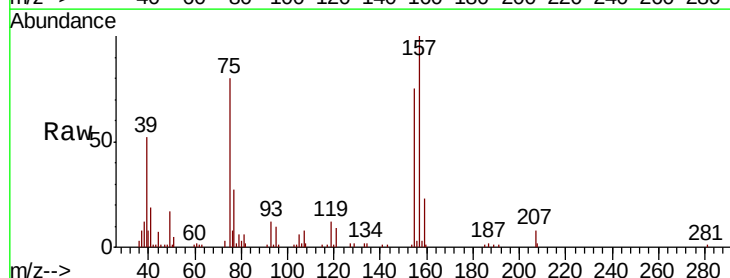
Tgt Ion: 75 Resp: 29030

Ion Ratio Lower Upper

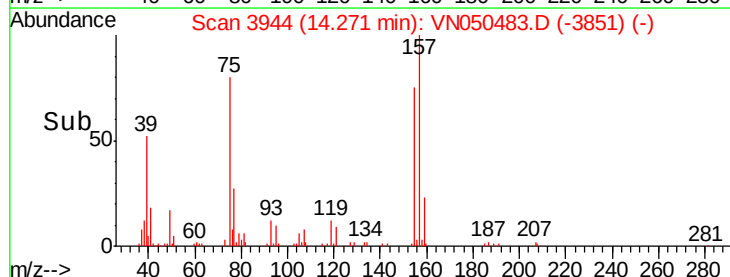
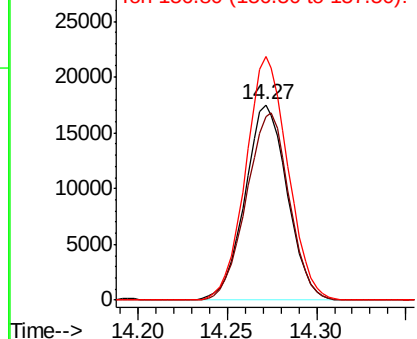
75 100

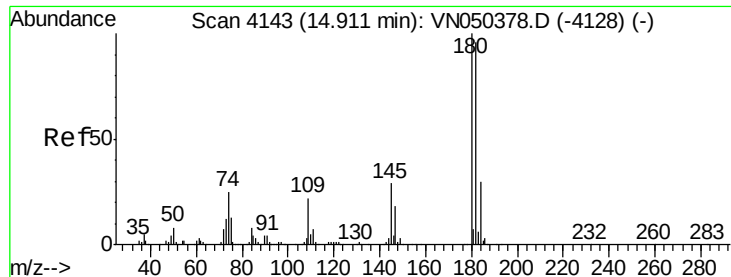
155 96.4 44.8 134.4

157 123.8 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

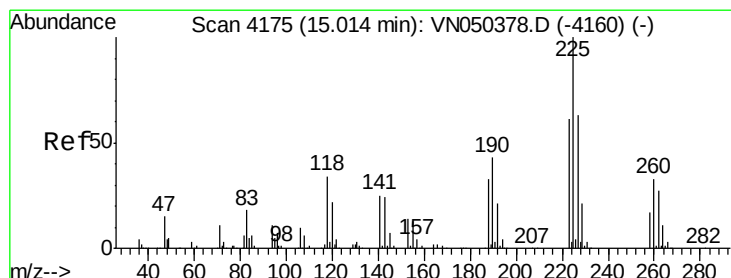
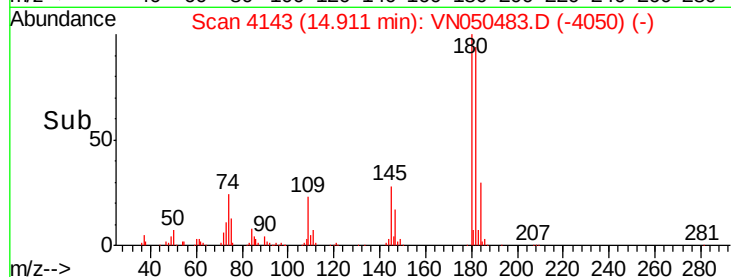
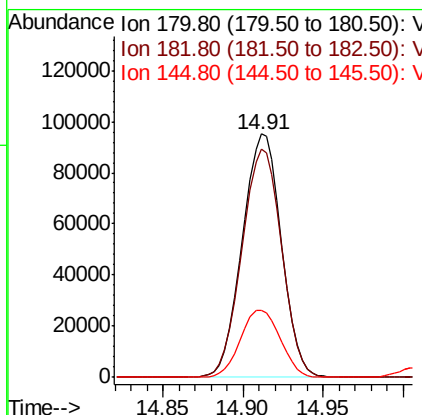
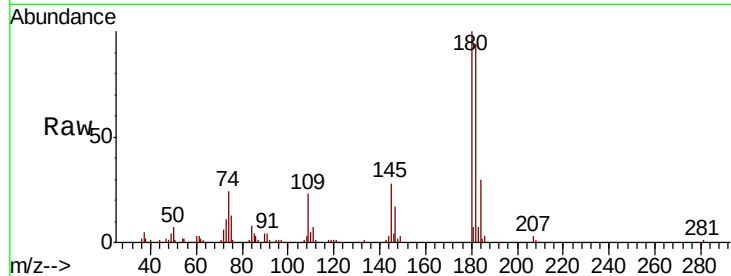




#93
 1,2,4-Trichlorobenzene
 Concen: 16.97 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

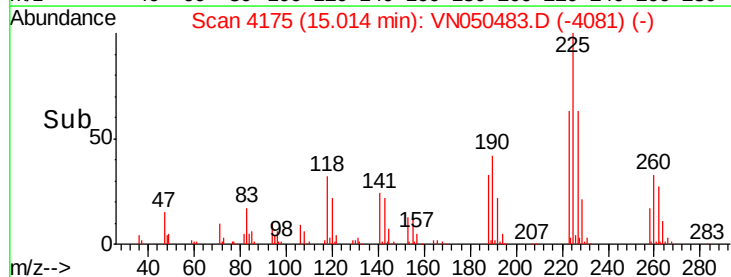
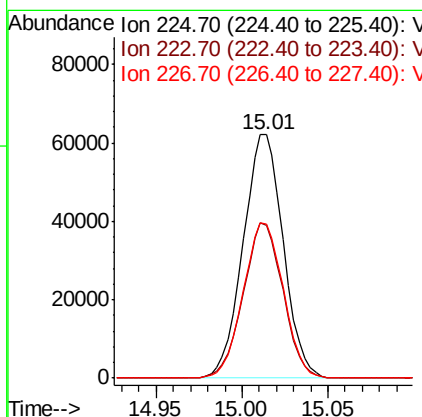
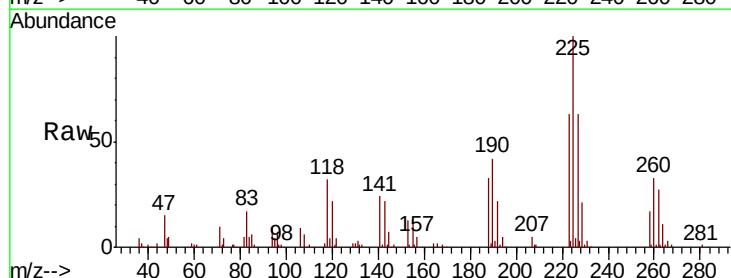
Instrument :
 MSVOA_N
 ClientSampled :

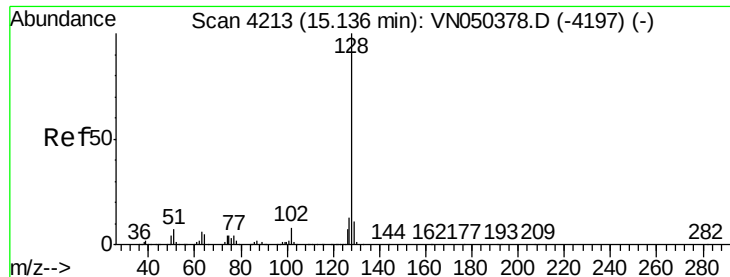
Tot Ion:180 Resp: 158219
 Ion Ratio Lower Upper
 180 100
 182 95.4 46.7 140.1
 145 28.2 13.8 41.4



#94
 Hexachlorobutadiene
 Concen: 18.70 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050483.D
 Acq: 9 Aug 2018 14:12

Tgt Ion:225 Resp: 100467
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.2
 227 63.8 32.1 96.5





#95

Naphthalene

Concen: 16.27 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

Instrument :

MSVOA_N

ClientSampled :

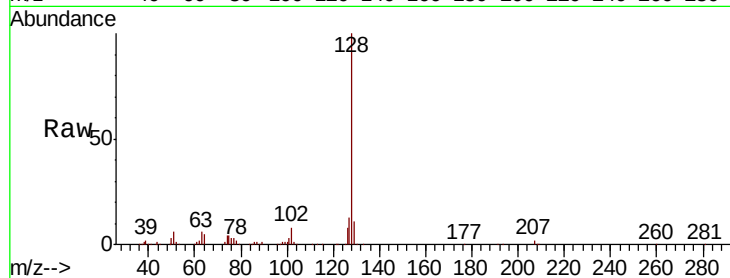
Tot Ion:128 Resp: 336517

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

129 11.0 8.8 13.2

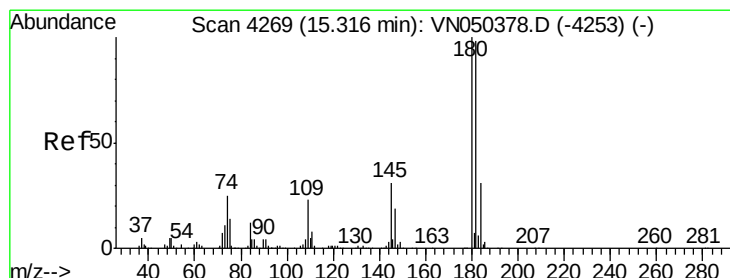
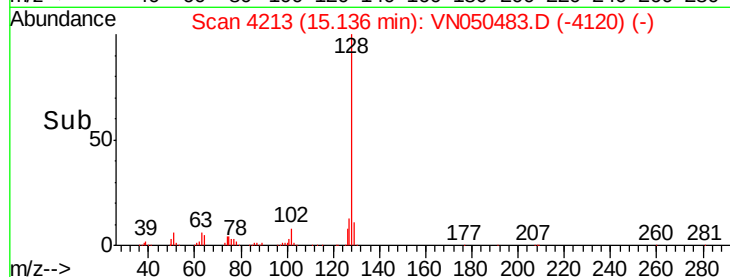
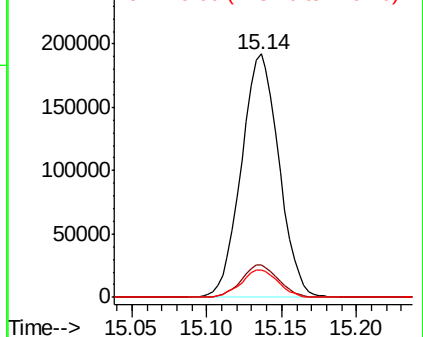


Abundance

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: 16.41 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050483.D

Acq: 9 Aug 2018 14:12

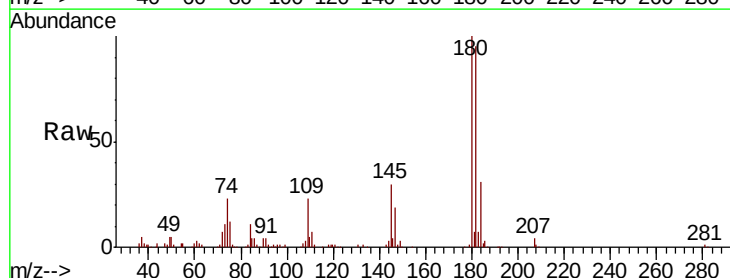
Tgt Ion:180 Resp: 154677

Ion Ratio Lower Upper

180 100

182 95.3 48.1 144.4

145 30.3 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

