

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051321.D
 Acq On : 19 Sep 2018 16:03
 Operator : MD\SY
 Sample : VN0919WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:43:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	518677	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	720615	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	640112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	296738	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	283537	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.59	113	281883	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.09	98	1033495	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
62) 4-Bromofluorobenzene	12.40	95	317847	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	96615	19.21	ug/l	99
3) Chloromethane	2.06	50	125867	19.01	ug/l	99
4) Vinyl Chloride	2.19	62	127675	18.80	ug/l	99
5) Bromomethane	2.57	94	75649	19.18	ug/l	96
6) Chloroethane	2.70	64	76407	18.86	ug/l	95
7) Trichlorofluoromethane	3.01	101	180960	19.45	ug/l	99
8) Diethyl Ether	3.41	74	59167	19.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	111334	19.15	ug/l	99
10) Methyl Iodide	3.95	142	92630	19.99	ug/l	100
11) Tert butyl alcohol	4.79	59	31128	100.28	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	99425	18.93	ug/l	98
13) Acrolein	3.61	56	35056	81.53	ug/l	96
14) Allyl chloride	4.33	41	142067	18.32	ug/l	98
15) Acrylonitrile	5.00	53	159653	98.31	ug/l	98
16) Acetone	3.82	43	109130	81.85	ug/l	99
17) Carbon Disulfide	4.05	76	288625	17.82	ug/l	100
18) Methyl Acetate	4.33	43	79596	20.33	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	252654	20.07	ug/l	100
20) Methylene Chloride	4.55	84	113556	18.41	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	106156	18.44	ug/l	94
22) Diisopropyl ether	5.96	45	308942	20.57	ug/l	98
23) Vinyl Acetate	5.90	43	956880	98.34	ug/l	98
24) 1,1-Dichloroethane	5.85	63	194140	19.34	ug/l	99
25) 2-Butanone	6.84	43	166708	92.32	ug/l	99
26) 2,2-Dichloropropane	6.83	77	146418	17.93	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	119331	19.40	ug/l	97
28) Bromochloromethane	7.20	49	84950	19.21	ug/l	96
29) Tetrahydrofuran	7.22	42	112326	100.61	ug/l	97
30) Chloroform	7.37	83	203382	19.83	ug/l	99
31) Cyclohexane	7.66	56	163480	17.94	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	174384	19.82	ug/l	99
36) 1,1-Dichloropropene	7.80	75	146369	18.76	ug/l	99
37) Ethyl Acetate	6.93	43	78585	19.60	ug/l	98
38) Carbon Tetrachloride	7.78	117	158769	19.52	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	157816	18.62	ug/l	99
40) Benzene	8.04	78	454177	19.57	ug/l	99
41) Methacrylonitrile	7.18	41	40577	19.72	ug/l	94
42) 1,2-Dichloroethane	8.13	62	135068	19.79	ug/l	100
43) Isopropyl Acetate	8.17	43	146591	21.13	ug/l	98
44) Trichloroethene	8.84	130	125798	19.28	ug/l	99
45) 1,2-Dichloropropane	9.12	63	116022	19.72	ug/l	98
46) Dibromomethane	9.21	93	72442	20.21	ug/l	99
47) Bromodichloromethane	9.40	83	150563	19.71	ug/l	98
48) Methyl methacrylate	9.20	41	65669	19.65	ug/l	98
49) 1,4-Dioxane	9.20	88	19633	406.08	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	379456	105.98	ug/l	100
52) Toluene	10.16	92	282537	20.34	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	138449	19.29	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	167302	19.51	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	104565	21.05	ug/l	99
56) Ethyl methacrylate	10.43	69	109449	18.67	ug/l	98
57) 1,3-Dichloropropane	10.71	76	165164	20.41	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	233664	89.03	ug/l	100
59) 2-Hexanone	10.75	43	225445	95.64	ug/l	99
60) Dibromochloromethane	10.90	129	118681	20.30	ug/l	100
61) 1,2-Dibromoethane	11.01	107	98630	20.66	ug/l	99
64) Tetrachloroethene	10.63	164	116627	19.19	ug/l	99
65) Chlorobenzene	11.44	112	308250	19.47	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	119772	19.98	ug/l	100
67) Ethyl Benzene	11.51	91	490831	19.45	ug/l	99
68) m/p-Xylenes	11.62	106	397376	40.54	ug/l	99
69) o-Xylene	11.95	106	190704	20.41	ug/l	98
70) Styrene	11.96	104	295727	18.70	ug/l	100
71) Bromoform	12.13	173	81056	20.39	ug/l #	100
73) Isopropylbenzene	12.25	105	493043	19.70	ug/l	99
74) N-amyl acetate	12.07	43	92461	18.00	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	118790	21.17	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	135406	32.39	ug/l #	100
77) Bromobenzene	12.53	156	131366	20.46	ug/l	98
78) n-propylbenzene	12.59	91	530657	19.66	ug/l	100
79) 2-Chlorotoluene	12.67	91	331680	19.33	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	406664	20.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	25435	19.04	ug/l	96
82) 4-Chlorotoluene	12.77	91	316548	19.39	ug/l	100
83) tert-Butylbenzene	12.99	119	350203	19.81	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	403931	20.79	ug/l	100
85) sec-Butylbenzene	13.17	105	447596	19.94	ug/l	100
86) p-Isopropyltoluene	13.29	119	384705	20.43	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	207049	18.73	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	197697	19.13	ug/l	99
89) n-Butylbenzene	13.62	91	251402	17.62	ug/l	99
90) Hexachloroethane	13.87	117	75819	20.13	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	206306	19.95	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14776	20.34	ug/l	97

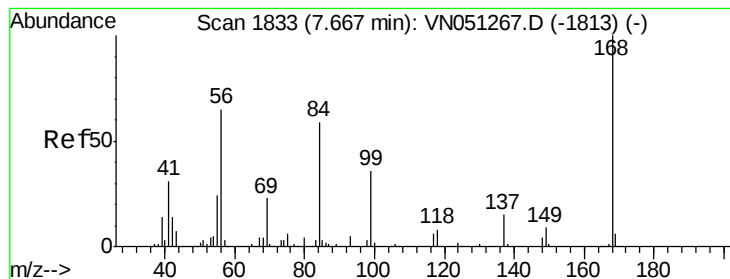
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61625	16.11	ug/l	97
94) Hexachlorobutadiene	15.01	225	69283	19.57	ug/l	98
95) Naphthalene	15.13	128	106691	16.05	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	69718	17.44	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

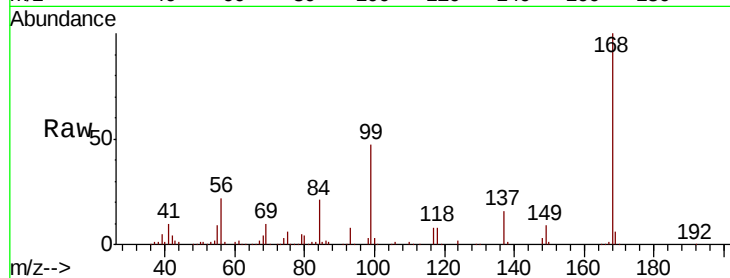
ClientSampled :

Tot Ion:168 Resp: 518677

Ion Ratio Lower Upper

168 100

99 46.6 38.2 57.4



Abundance Ion 167.90 (167.60 to 168.60): VN051267.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051267.D (-1813) (-)

7.67

250000

200000

150000

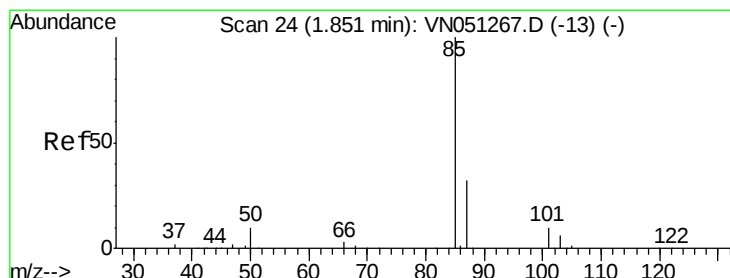
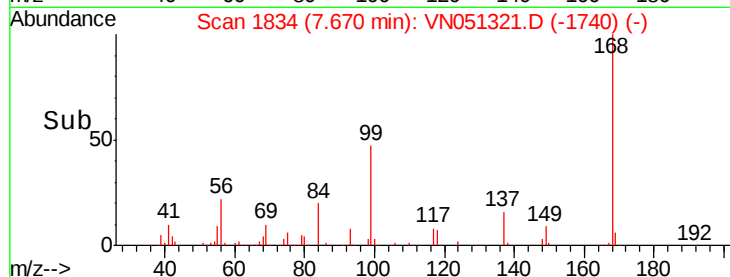
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.21 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051321.D

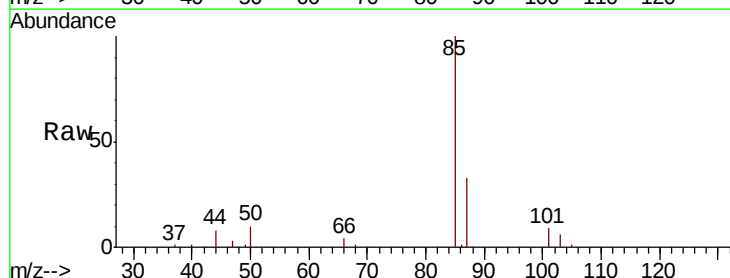
Acq: 19 Sep 2018 16:03

Tgt Ion: 85 Resp: 96615

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN051267.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN051267.D (-13) (-)

1.85

80000

60000

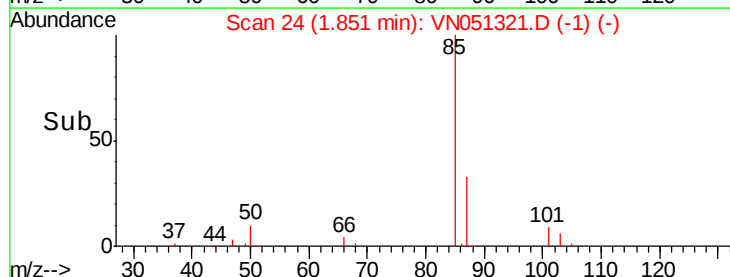
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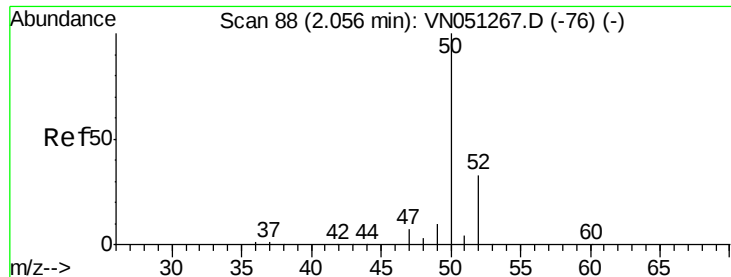
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.01 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

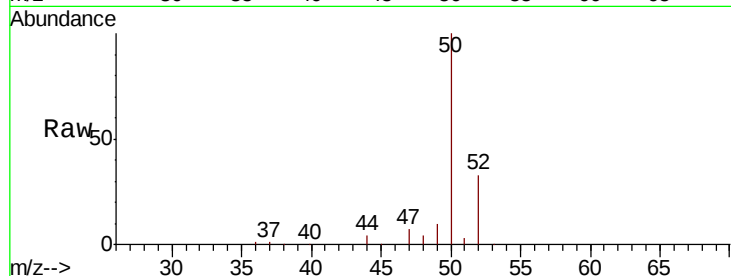
ClientSampleId :

Tot Ion: 50 Resp: 125867

Ion Ratio Lower Upper

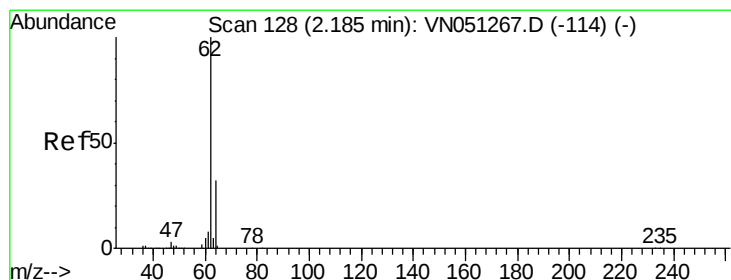
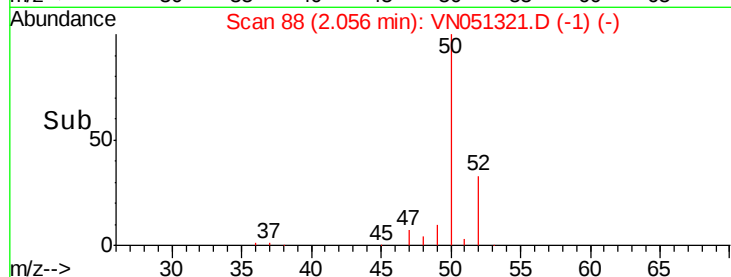
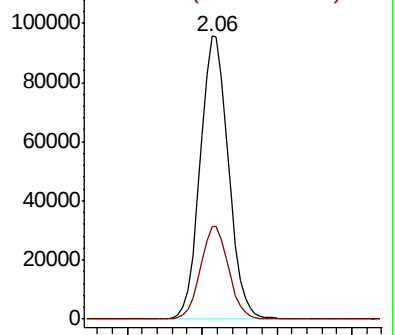
50 100

52 32.6 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.80 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051321.D

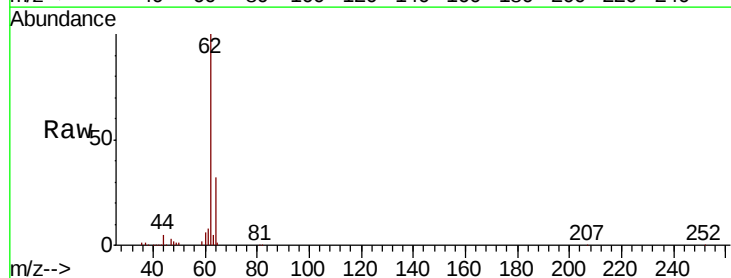
Acq: 19 Sep 2018 16:03

Tgt Ion: 62 Resp: 127675

Ion Ratio Lower Upper

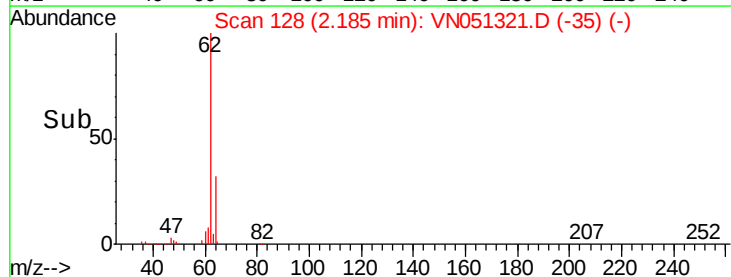
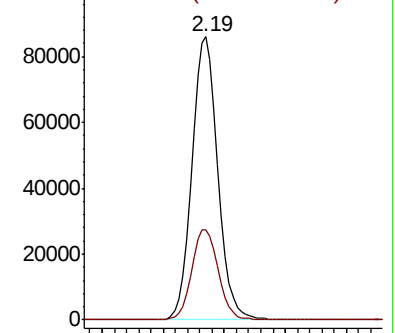
62 100

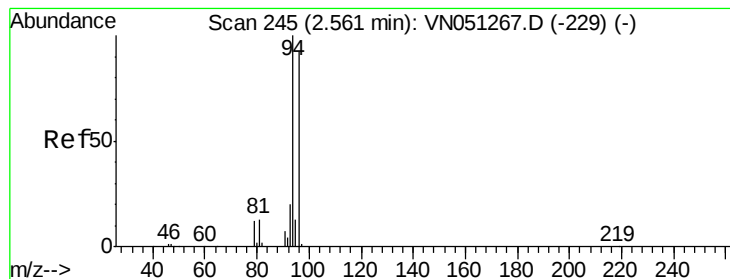
64 31.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.18 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

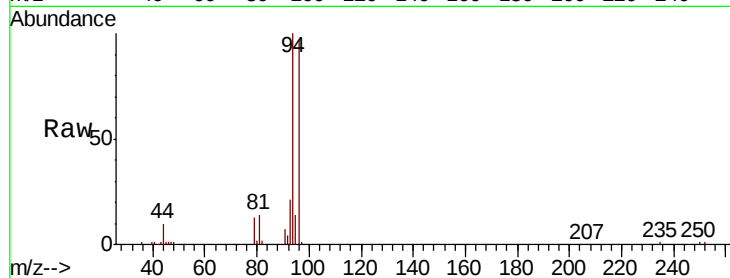
ClientSampled :

Tot Ion: 94 Resp: 75649

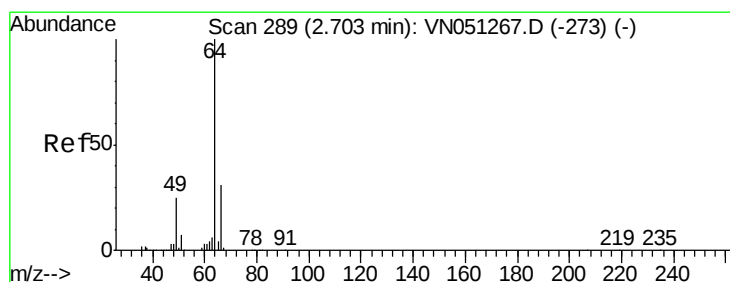
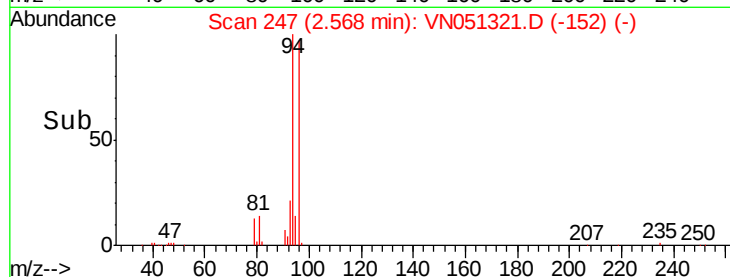
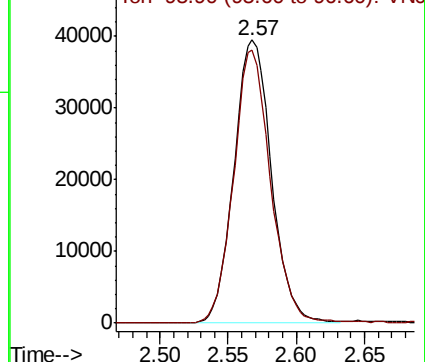
Ion Ratio Lower Upper

94 100

96 96.5 73.8 110.8



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 18.86 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN051321.D

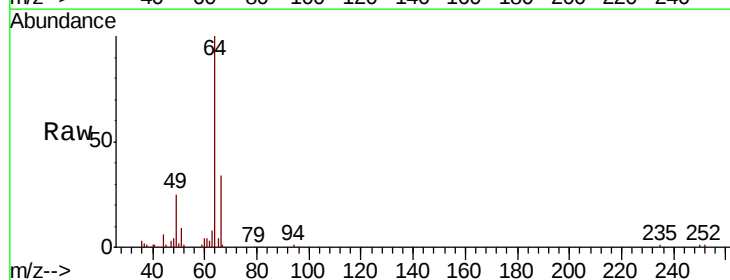
Acq: 19 Sep 2018 16:03

Tgt Ion: 64 Resp: 76407

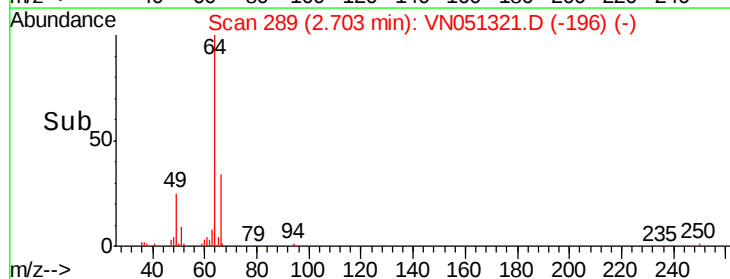
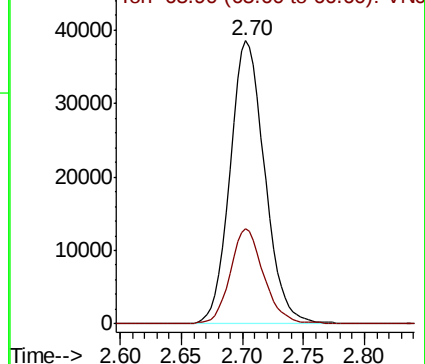
Ion Ratio Lower Upper

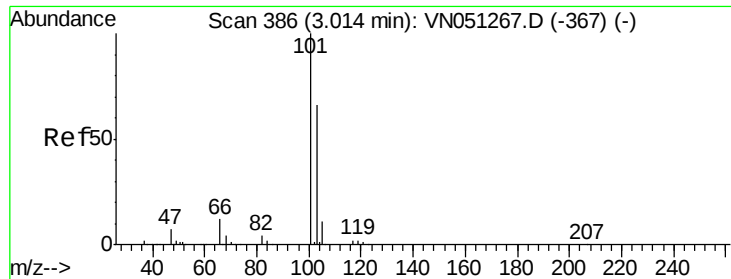
64 100

66 33.7 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



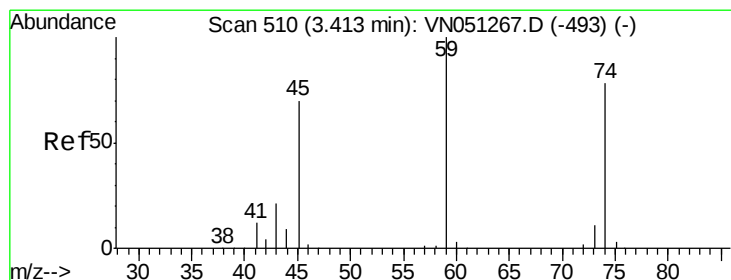
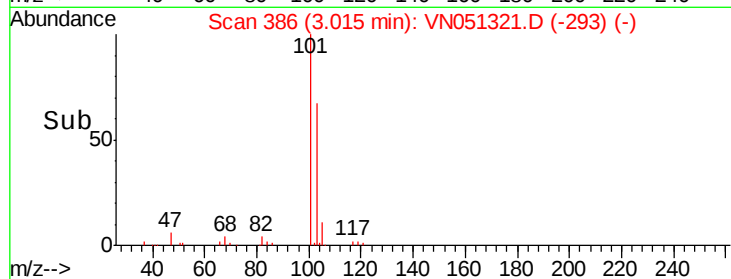
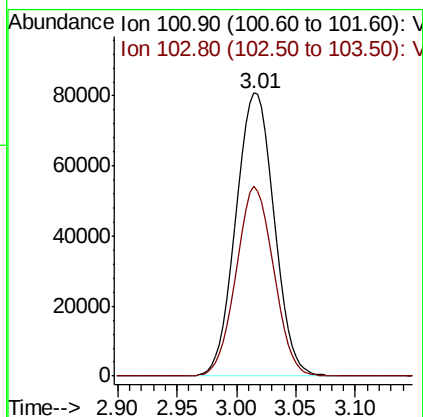
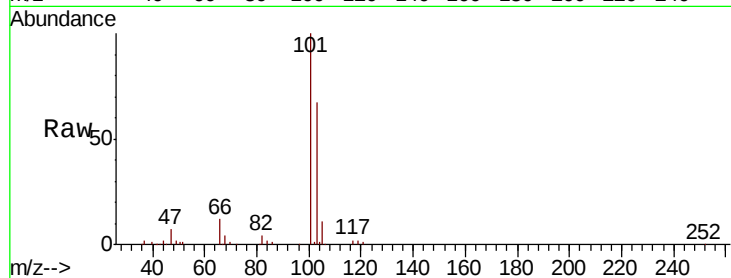


#7

Trichlorofluoromethane
 Concen: 19.45 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampled :

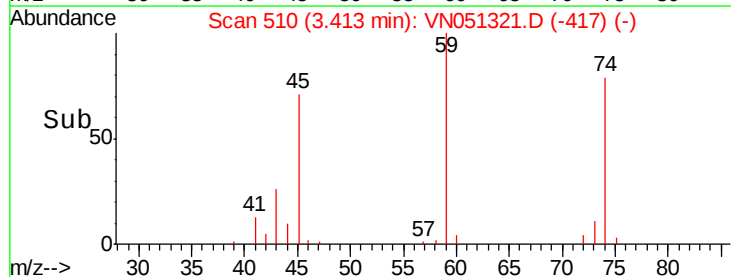
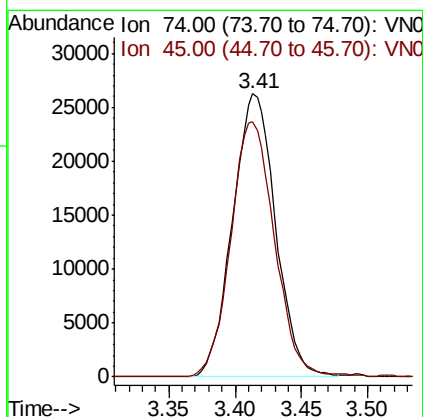
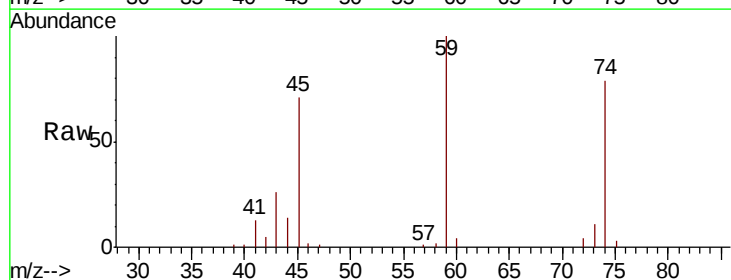
Tot Ion:101 Resp: 180960
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.7 79.1

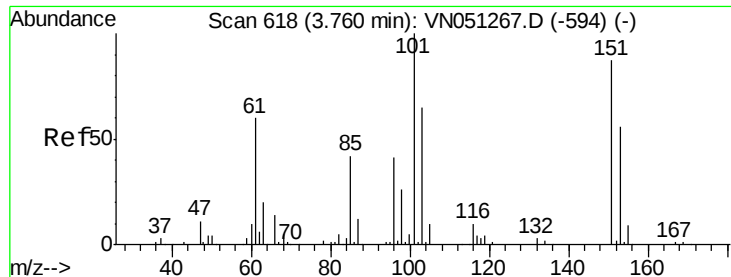


#8

Diethyl Ether
 Concen: 19.43 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion: 74 Resp: 59167
 Ion Ratio Lower Upper
 74 100
 45 91.9 46.4 139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.15 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

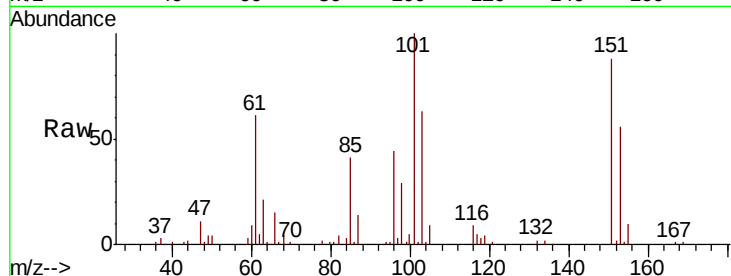
Tot Ion:101 Resp: 111334

Ion Ratio Lower Upper

101 100

85 39.9 33.0 49.6

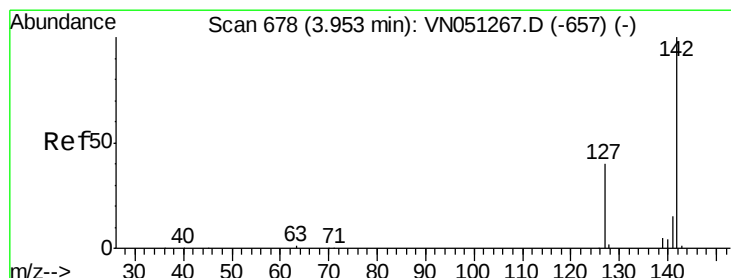
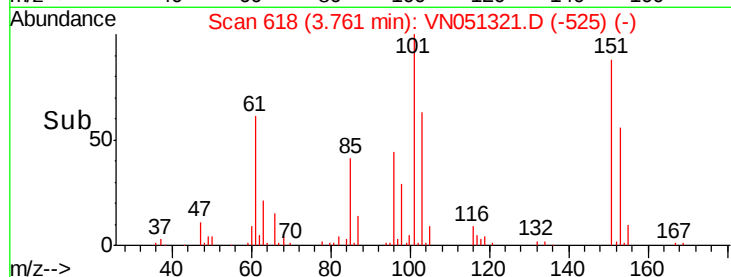
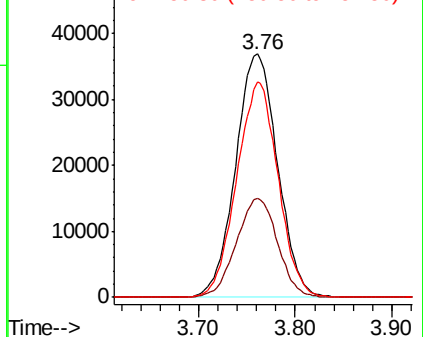
151 86.9 69.8 104.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.99 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

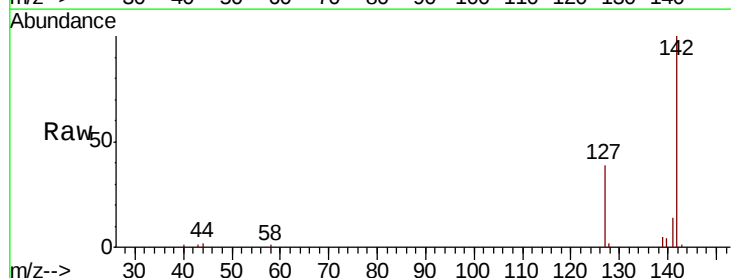
Tgt Ion:142 Resp: 92630

Ion Ratio Lower Upper

142 100

127 39.6 31.7 47.5

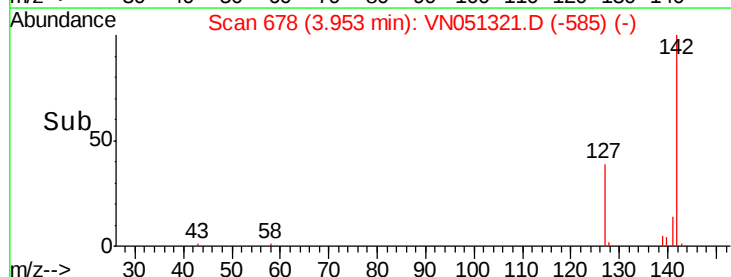
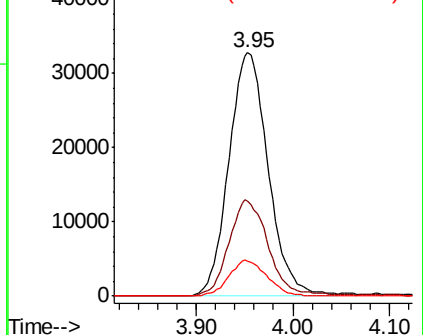
141 14.2 11.6 17.4

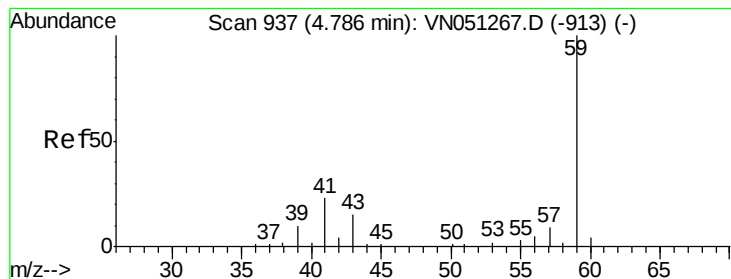


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



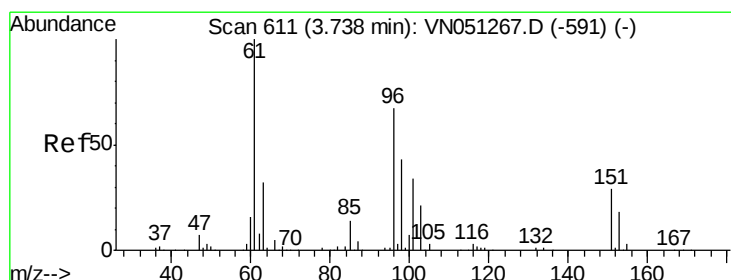
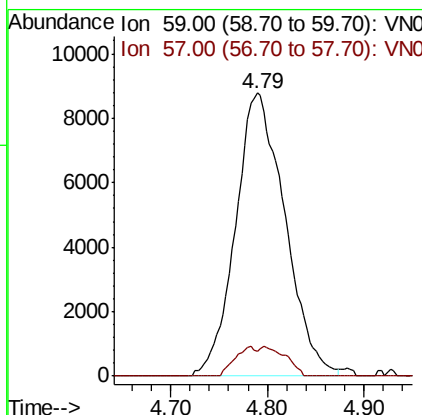
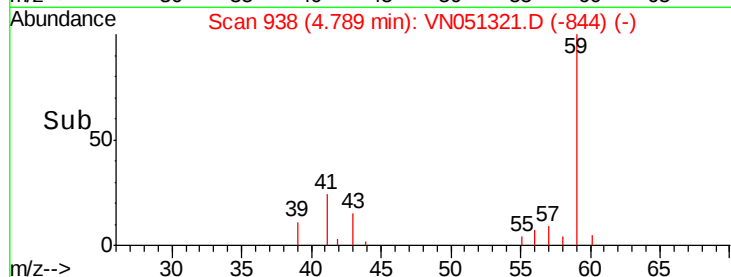
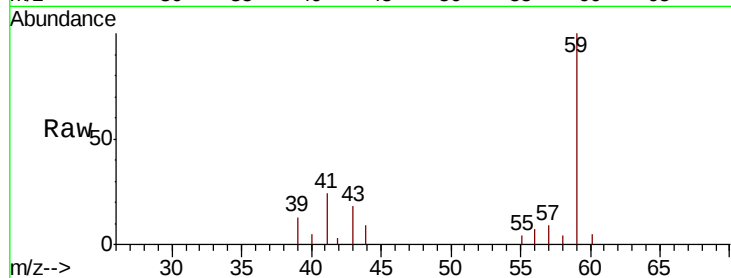


#11

Tert butyl alcohol
 Concen: 100.28 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :

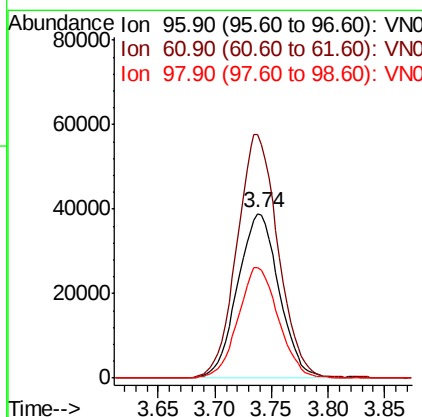
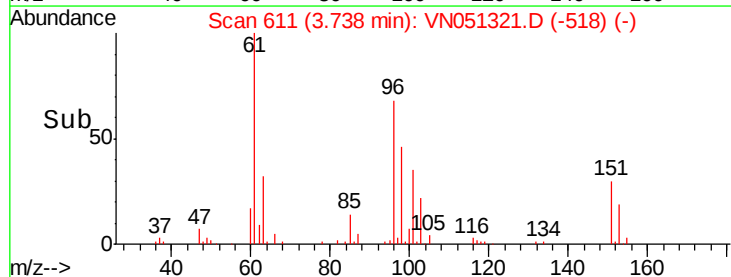
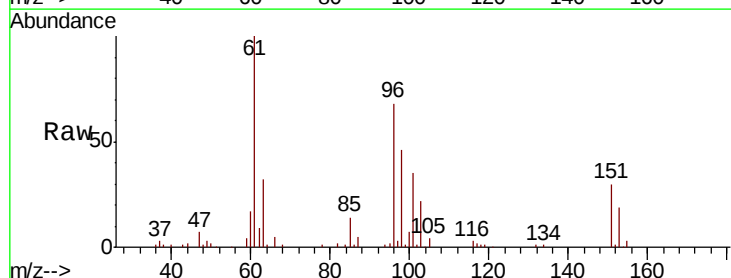
Tot Ion: 59 Resp: 31128
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.9 11.9#

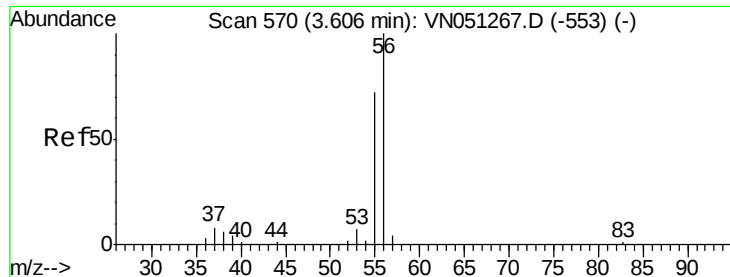


#12

1,1-Dichloroethene
 Concen: 18.93 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion: 96 Resp: 99425
 Ion Ratio Lower Upper
 96 100
 61 148.1 119.3 178.9
 98 67.5 51.8 77.6





#13

Acrolein

Concen: 81.53 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

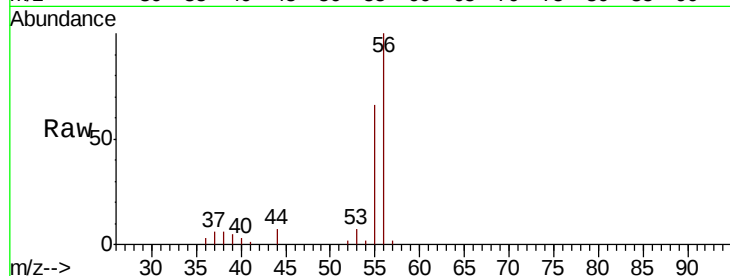
ClientSampleId :

Tot Ion: 56 Resp: 35056

Ion Ratio Lower Upper

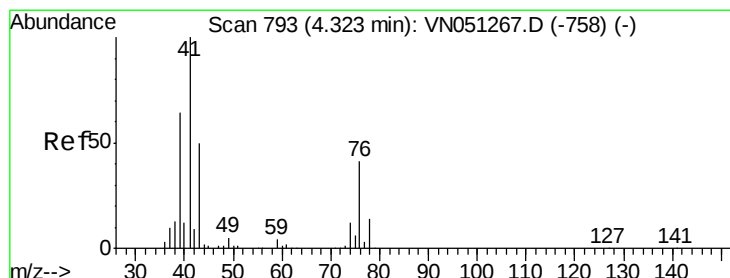
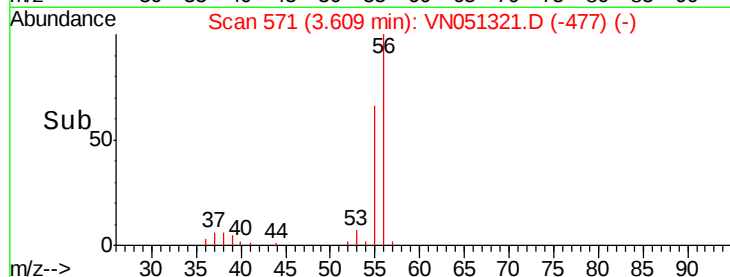
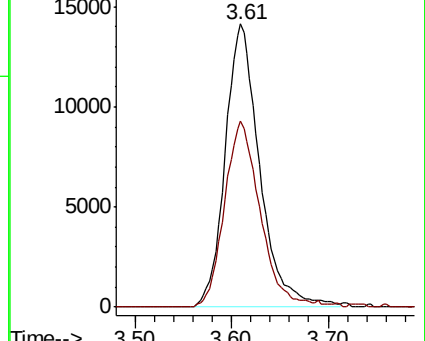
56 100

55 67.6 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.32 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

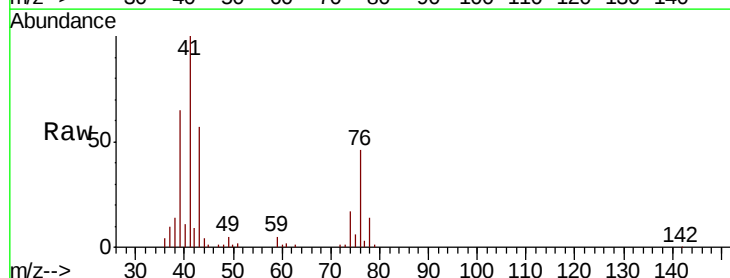
Tgt Ion: 41 Resp: 142067

Ion Ratio Lower Upper

41 100

39 61.8 49.0 73.4

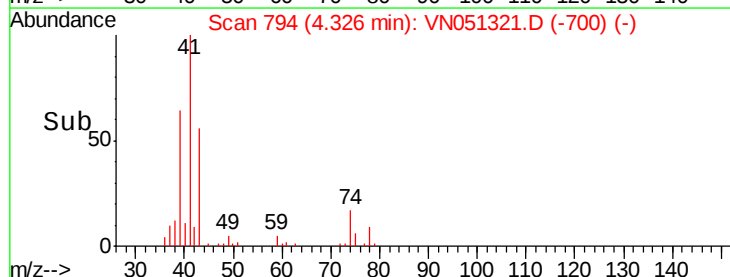
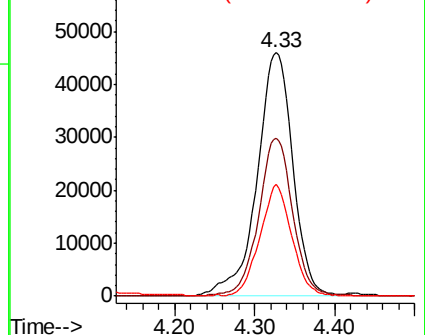
76 40.8 31.4 47.0

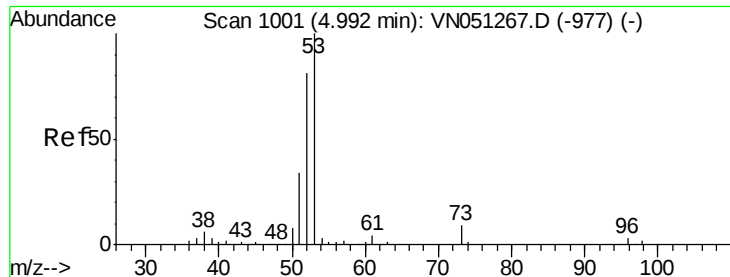


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

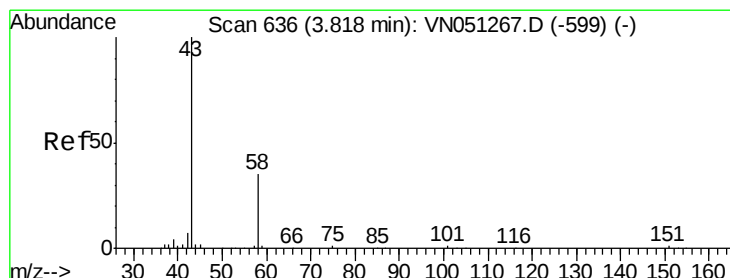
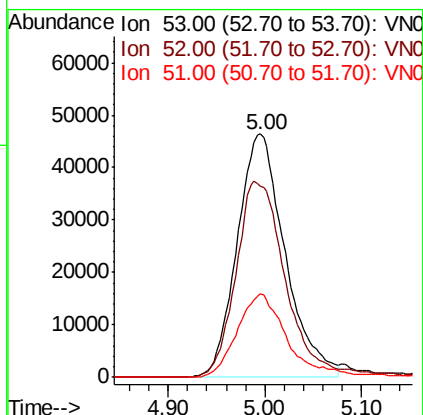
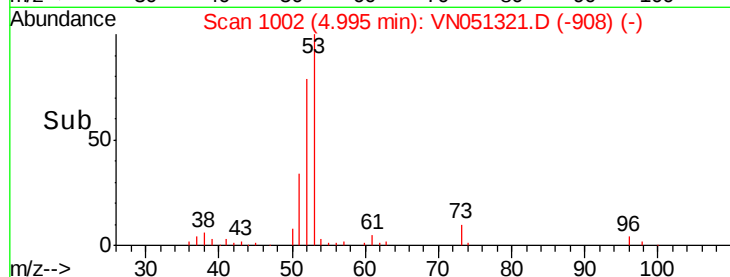
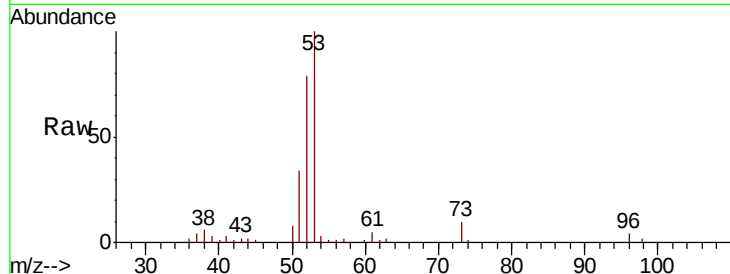




#15
 Acrylonitrile
 Concen: 98.31 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

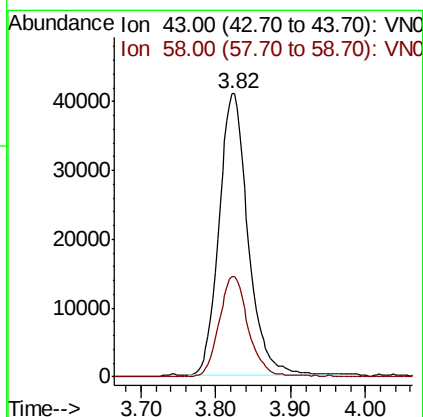
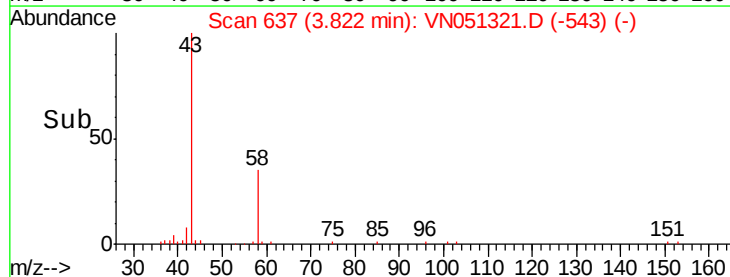
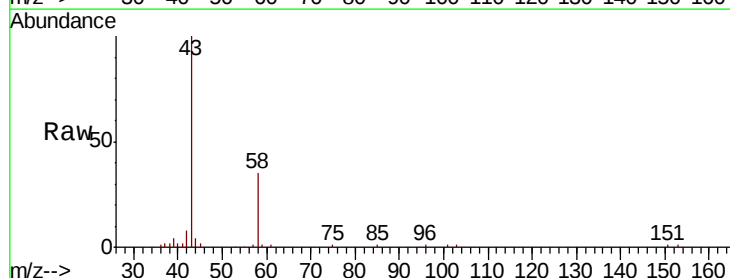
Instrument :
 MSVOA_N
 ClientSampleId :

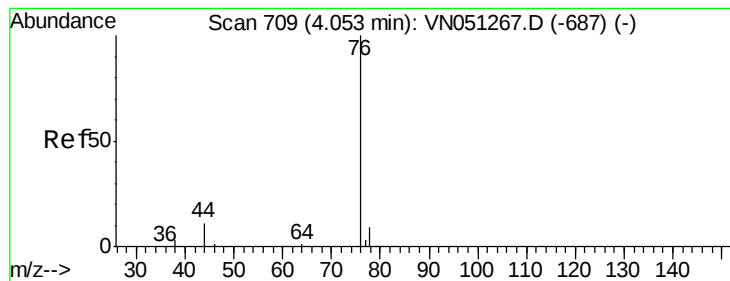
Tot Ion: 53 Resp: 159653
 Ion Ratio Lower Upper
 53 100
 52 83.0 65.0 97.6
 51 35.7 28.0 42.0



#16
 Acetone
 Concen: 81.85 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion: 43 Resp: 109130
 Ion Ratio Lower Upper
 43 100
 58 35.8 28.2 42.2





#17

Carbon Disulfide

Concen: 17.82 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

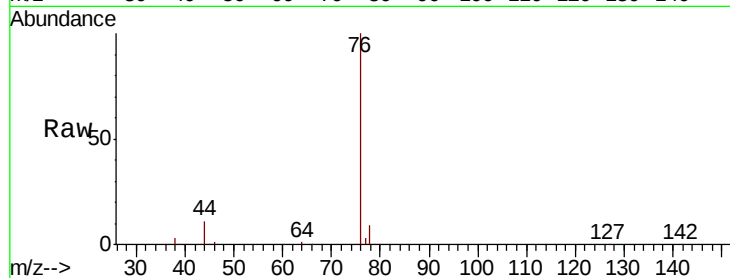
ClientSampled :

Tot Ion: 76 Resp: 288625

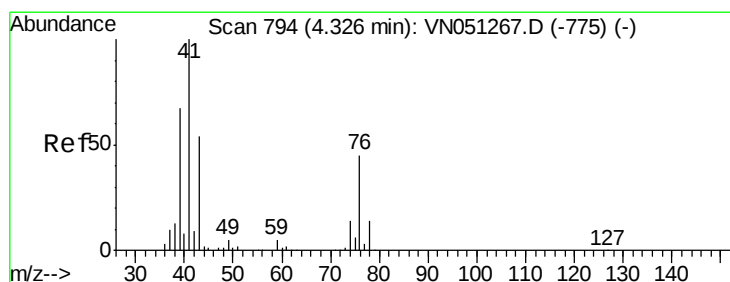
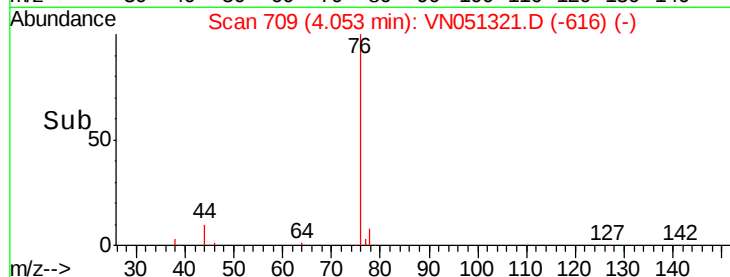
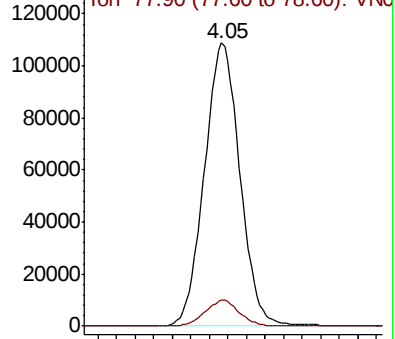
Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN051321.D (-616) (-)



#18

Methyl Acetate

Concen: 20.33 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN051321.D

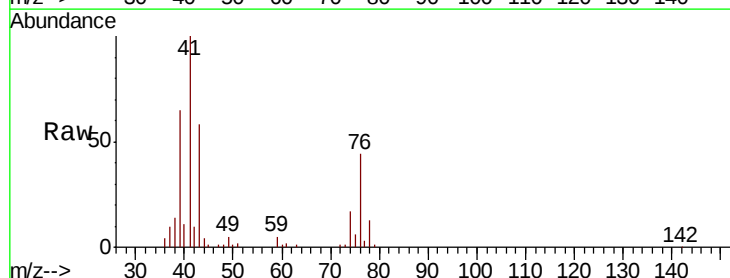
Acq: 19 Sep 2018 16:03

Tgt Ion: 43 Resp: 79596

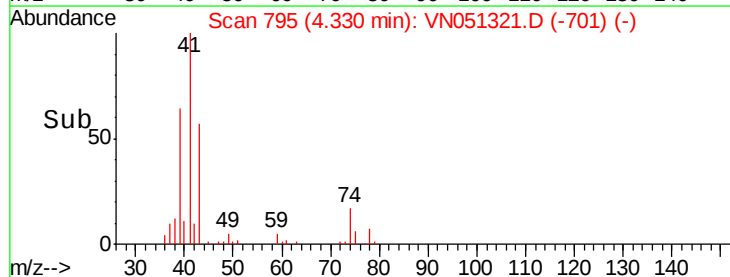
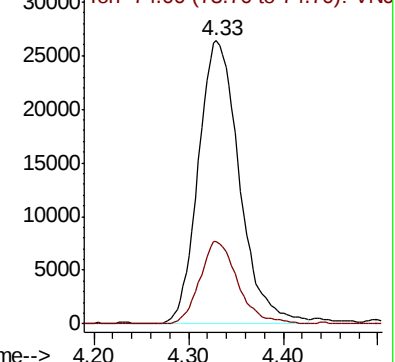
Ion Ratio Lower Upper

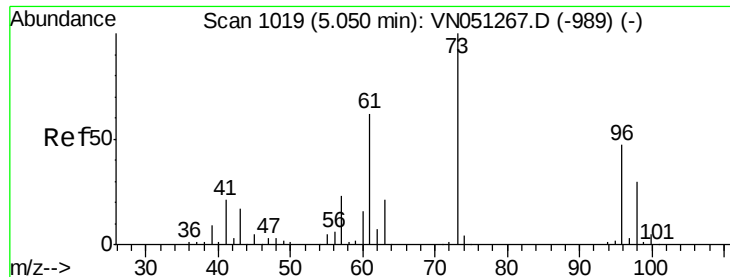
43 100

74 26.9 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN051321.D (-701) (-)

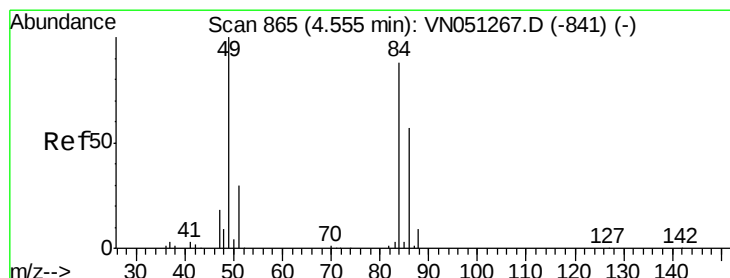
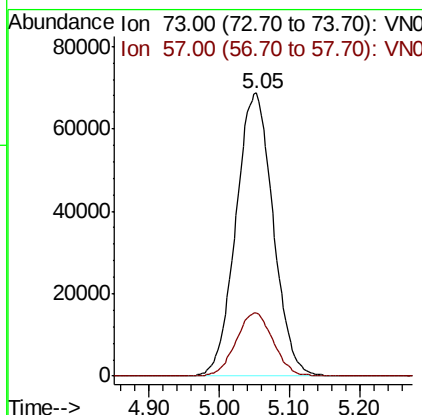
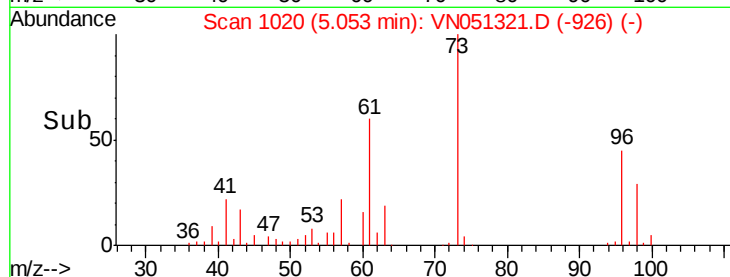
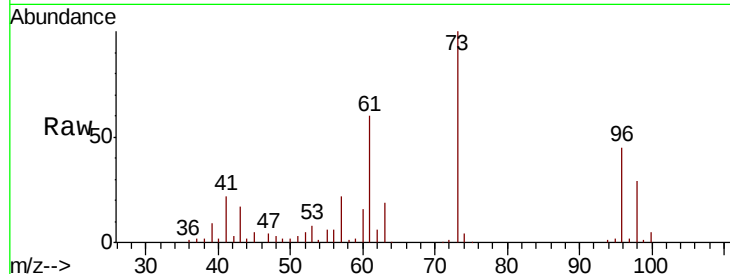




#19
Methvl tert-butvl Ether
Concen: 20.07 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

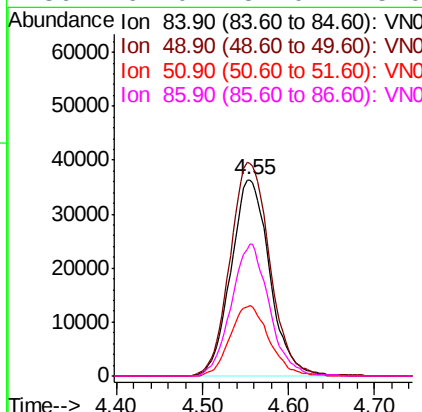
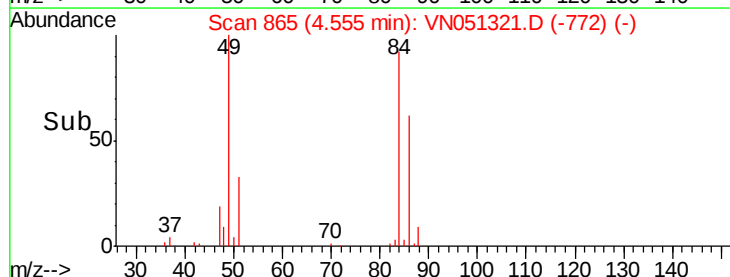
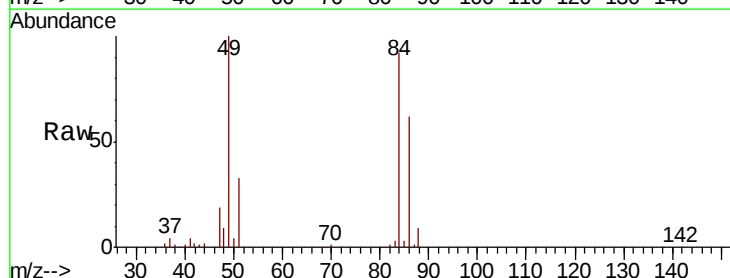
Instrument :
MSVOA_N
ClientSampled :

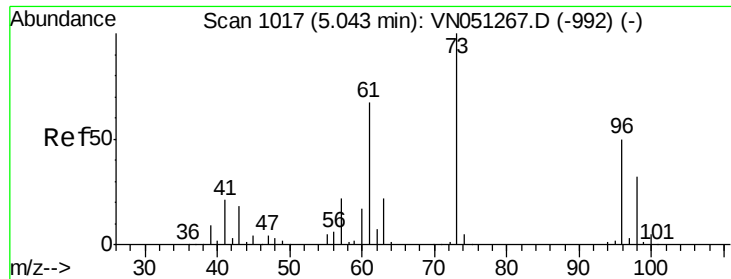
Tot Ion: 73 Resp: 252654
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1



#20
Methylene Chloride
Concen: 18.41 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 84 Resp: 113556
Ion Ratio Lower Upper
84 100
49 108.5 91.2 136.8
51 36.1 27.7 41.5
86 67.0 52.0 78.0

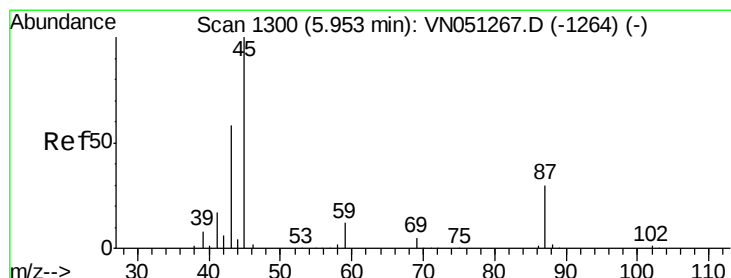
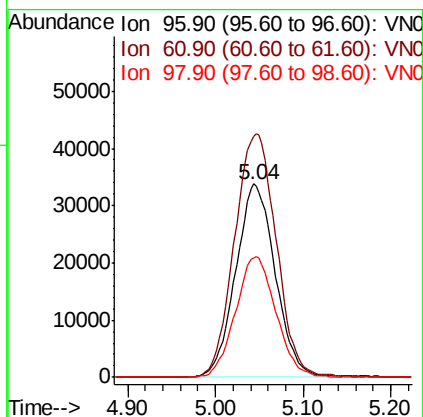
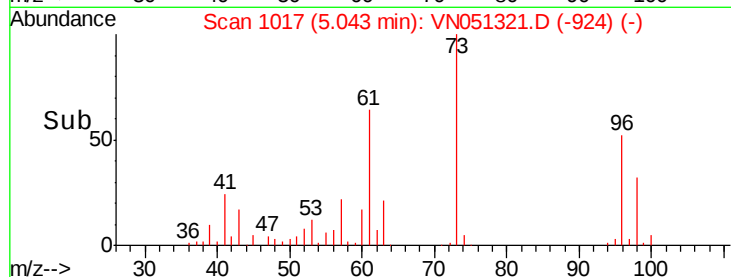
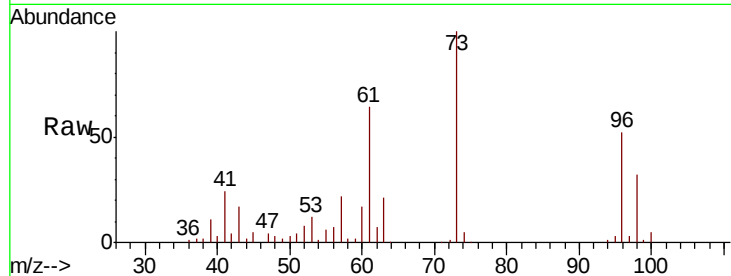




#21
trans-1,2-Dichloroethene
Concen: 18.44 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

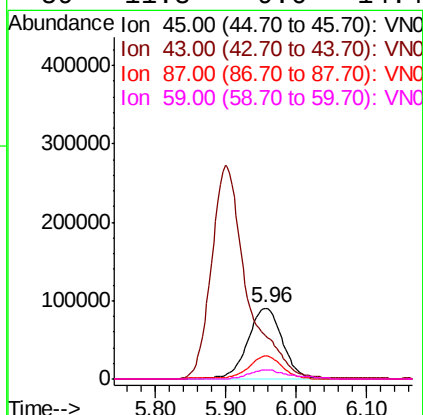
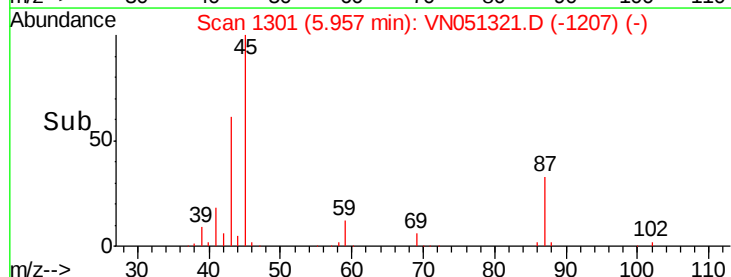
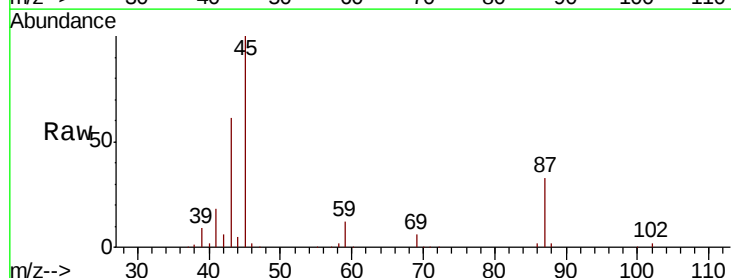
Instrument :
MSVOA_N
ClientSampleId :

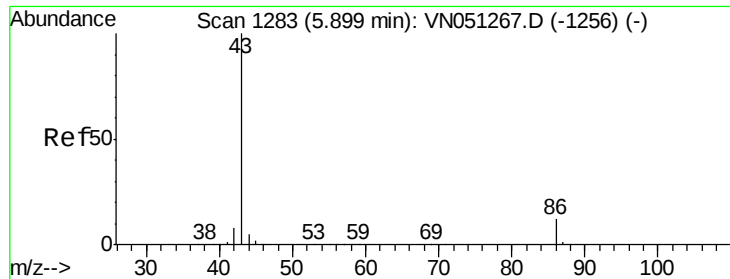
Tot Ion: 96 Resp: 106156
Ion Ratio Lower Upper
96 100
61 124.4 106.7 160.1
98 62.0 51.4 77.0



#22
Diisopropyl ether
Concen: 20.57 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 45 Resp: 308942
Ion Ratio Lower Upper
45 100
43 59.8 46.7 70.1
87 33.0 24.6 36.8
59 11.8 9.6 14.4

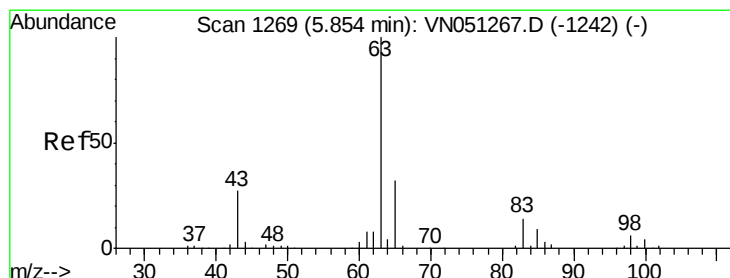
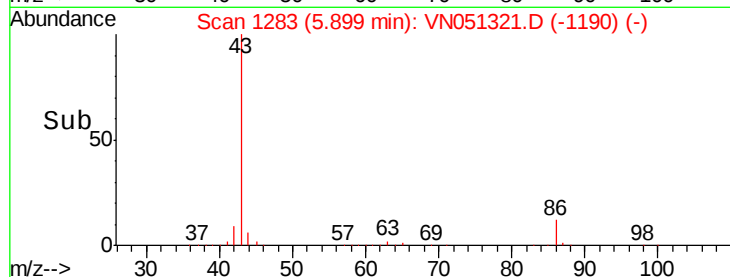
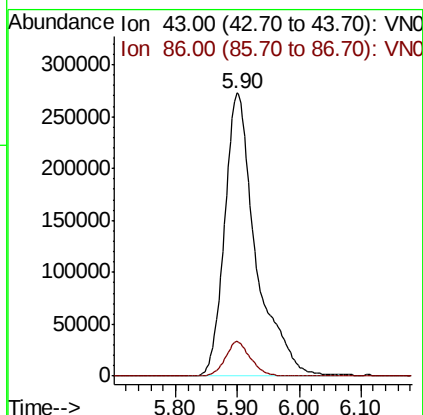
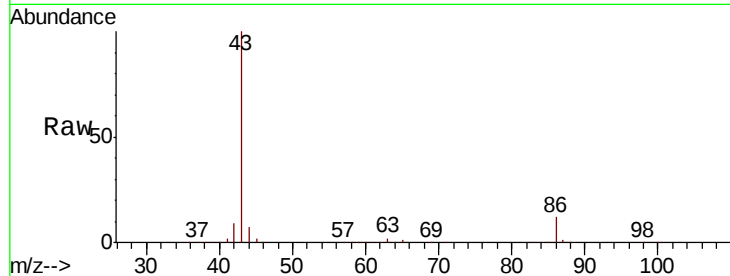




#23
 Vinyl Acetate
 Concen: 98.34 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

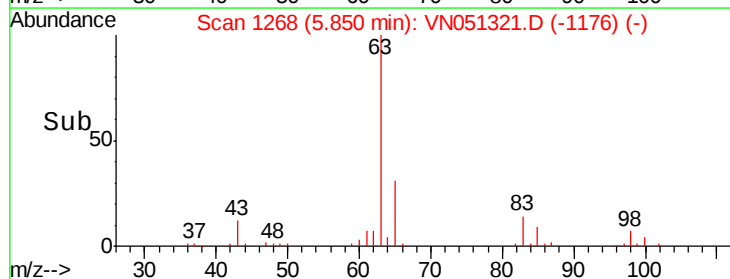
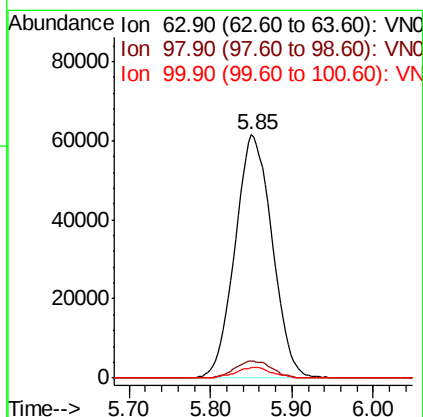
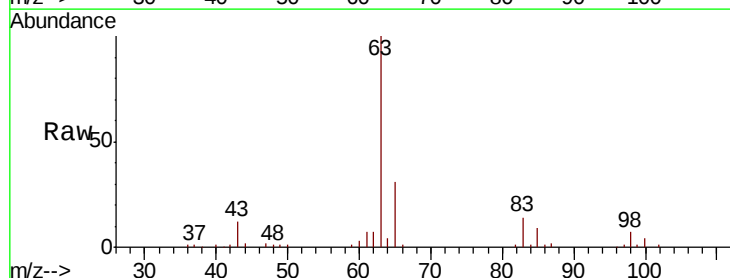
Instrument :
 MSVOA_N
 ClientSampled :

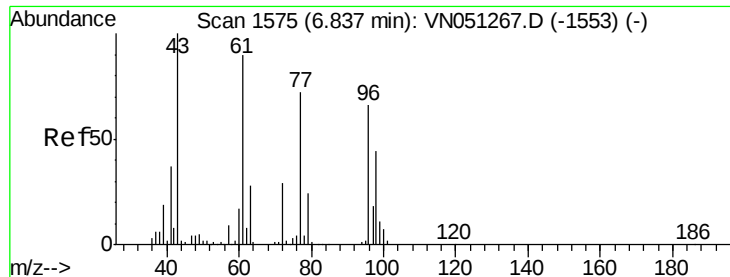
Tot Ion: 43 Resp: 956880
 Ion Ratio Lower Upper
 43 100
 86 12.2 9.3 13.9



#24
 1,1-Dichloroethane
 Concen: 19.34 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion: 63 Resp: 194140
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.3 9.8
 100 4.3 2.3 6.8





#25

2-Butanone

Concen: 92.32 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

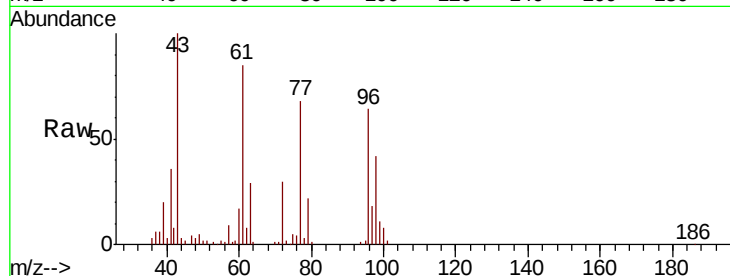
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 166708

Ion Ratio Lower Upper

43 100

72 29.8 23.4 35.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

6.84

6.84

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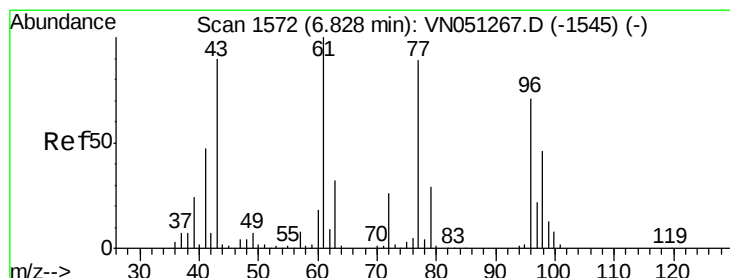
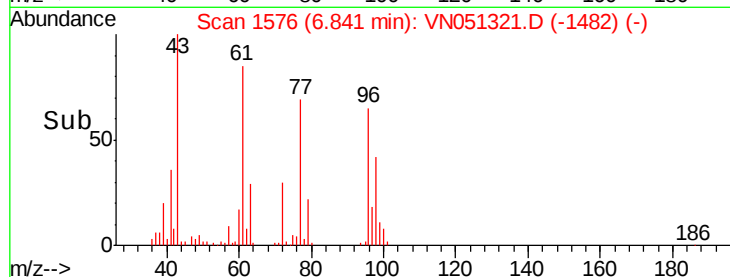
6.84

6.84

6.84

6.84

6.84



#26

2,2-Dichloropropane

Concen: 17.93 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051321.D

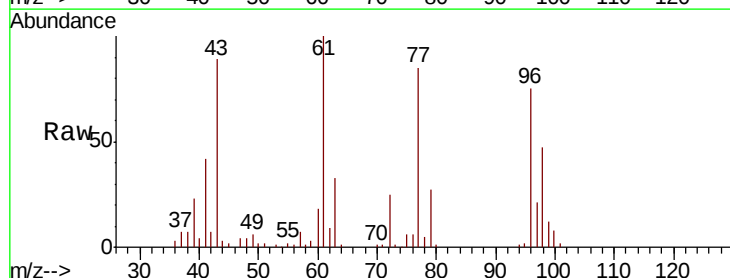
Acq: 19 Sep 2018 16:03

Tgt Ion: 77 Resp: 146418

Ion Ratio Lower Upper

77 100

97 25.6 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

6.83

6.83

6.83

6.83

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6.83

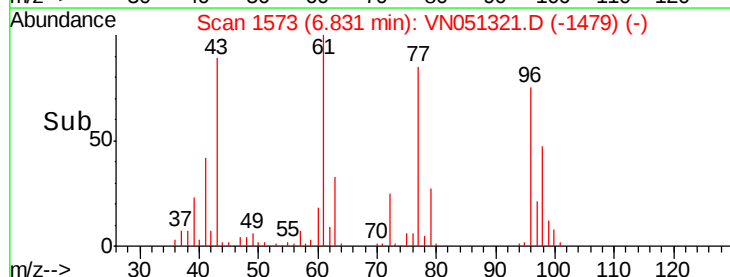
6.83

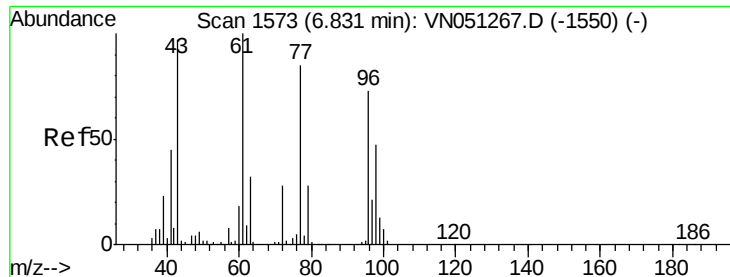
6.83

6.83

6.83

6.83





#27

cis-1,2-Dichloroethene

Concen: 19.40 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

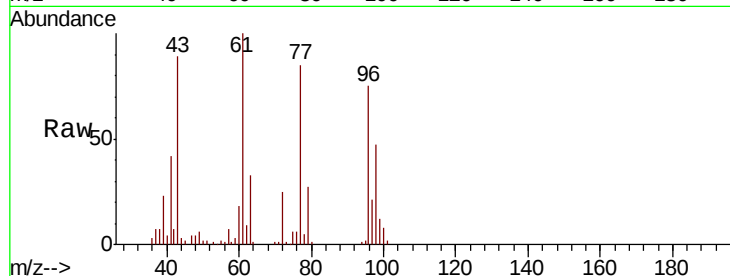
Tot Ion: 96 Resp: 119331

Ion Ratio Lower Upper

96 100

61 133.1 0.0 276.2

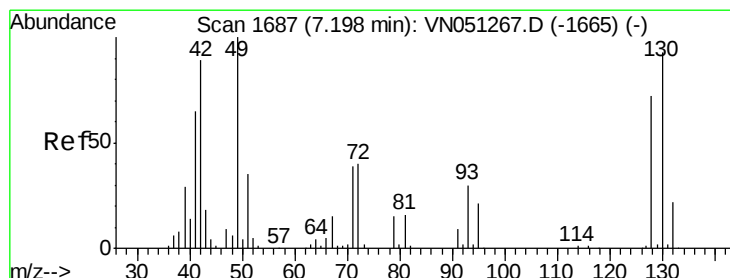
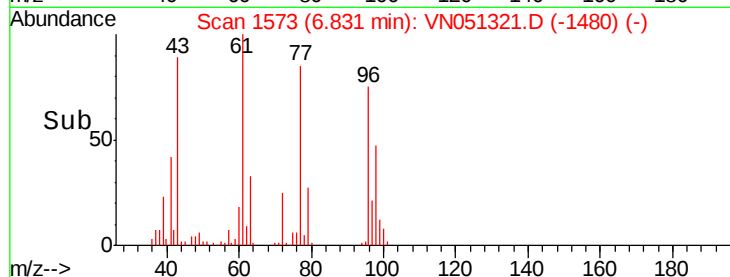
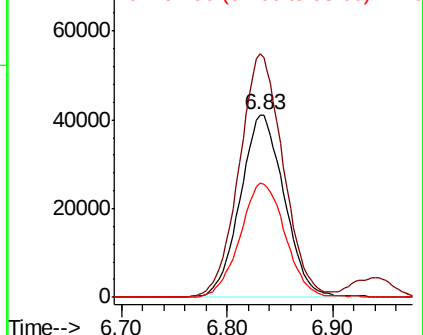
98 64.1 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN051267.D (-1550) (-)

Ion 60.90 (60.60 to 61.60): VN051267.D (-1550) (-)

Ion 97.90 (97.60 to 98.60): VN051267.D (-1550) (-)



#28

Bromochloromethane

Concen: 19.21 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

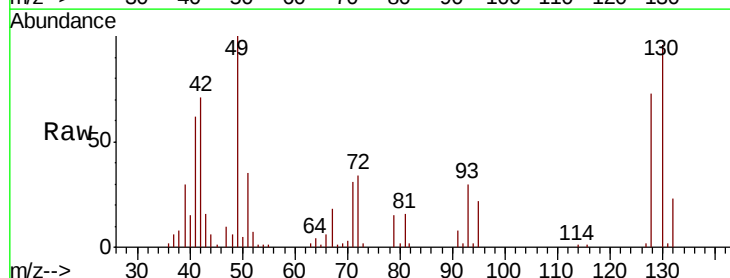
Tgt Ion: 49 Resp: 84950

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.6

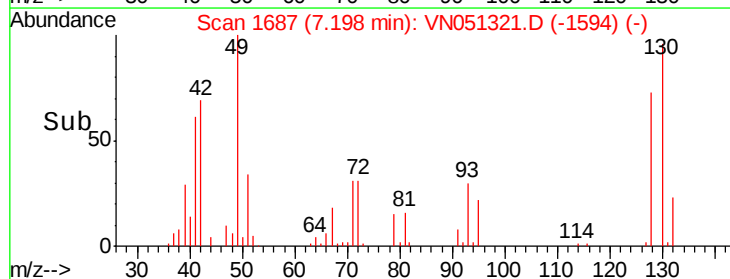
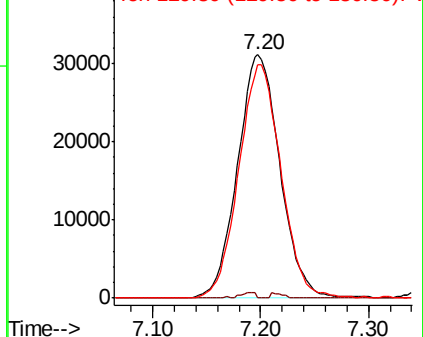
130 95.5 73.7 110.5

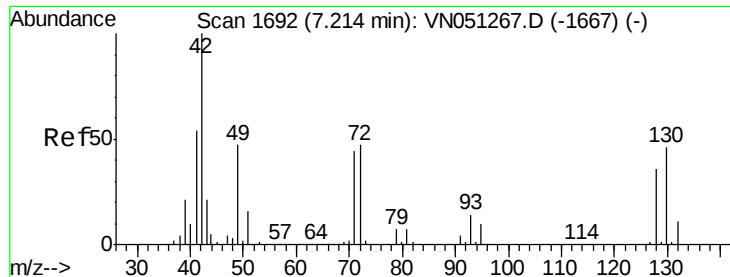


Abundance Ion 48.90 (48.60 to 49.60): VN051267.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN051267.D (-1665) (-)

Ion 129.80 (129.50 to 130.50): VN051267.D (-1665) (-)

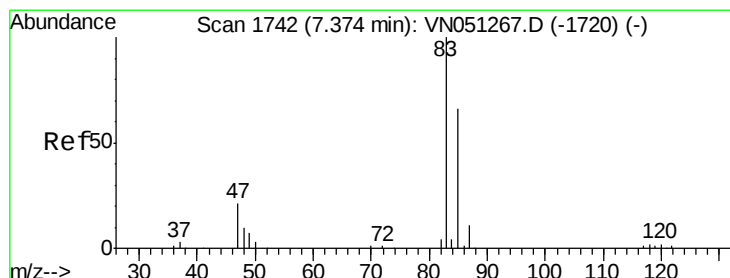
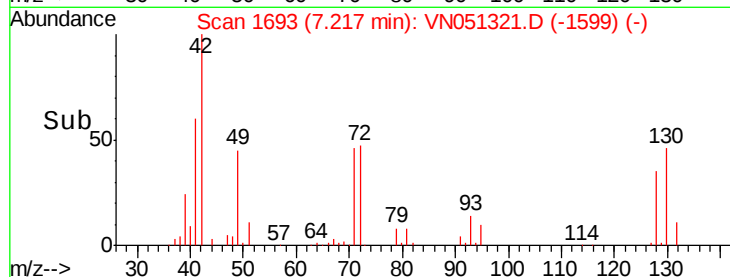
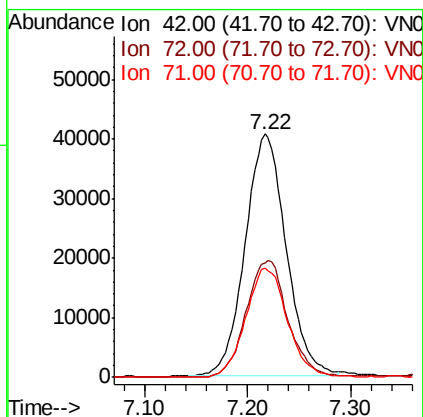
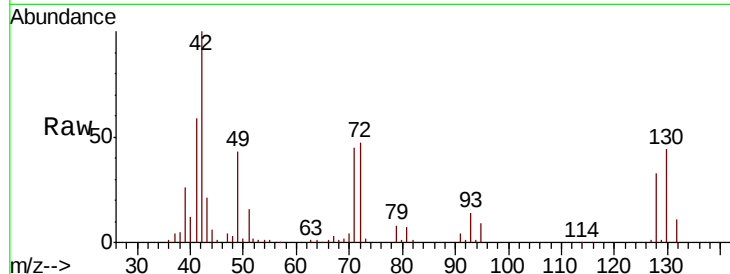




#29
Tetrahydrofuran
Concen: 100.61 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

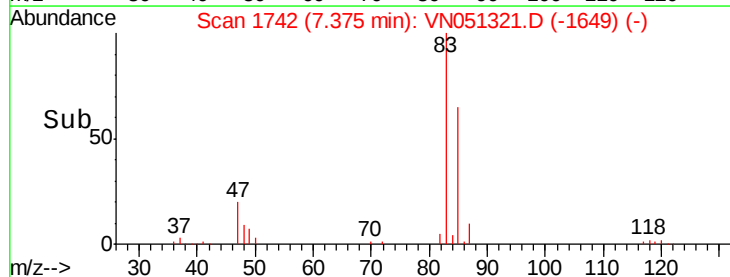
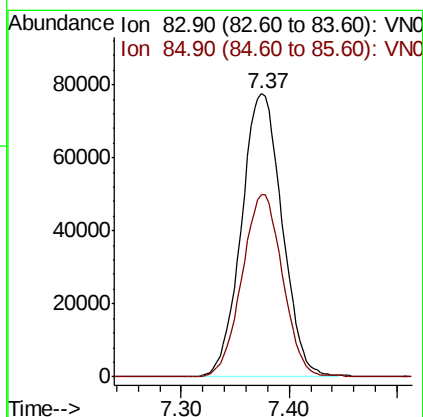
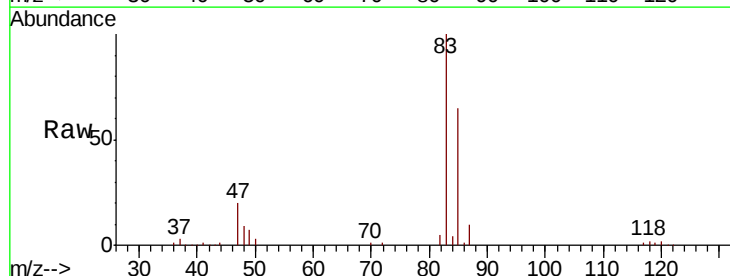
Instrument :
MSVOA_N
ClientSampled :

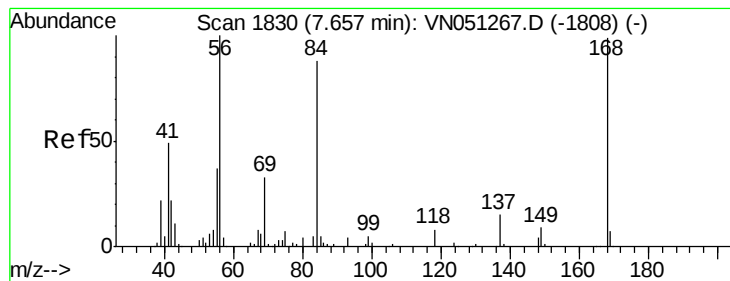
Tot Ion: 42 Resp: 112326
Ion Ratio Lower Upper
42 100
72 49.1 37.6 56.4
71 45.6 35.4 53.2



#30
Chloroform
Concen: 19.83 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 83 Resp: 203382
Ion Ratio Lower Upper
83 100
85 64.6 52.4 78.6





#31

Cyclohexane

Concen: 17.94 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

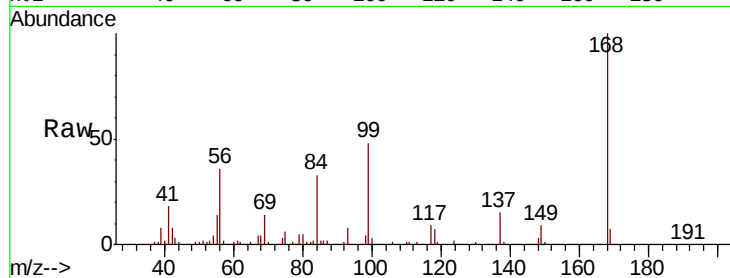
Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 163480

Ion	Ratio	Lower	Upper
56	100		
69	38.1	26.2	39.2
84	92.6	70.6	106.0

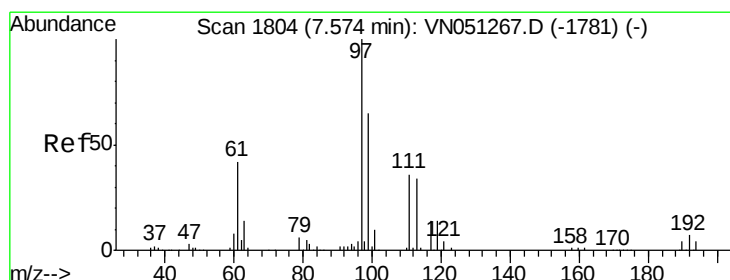
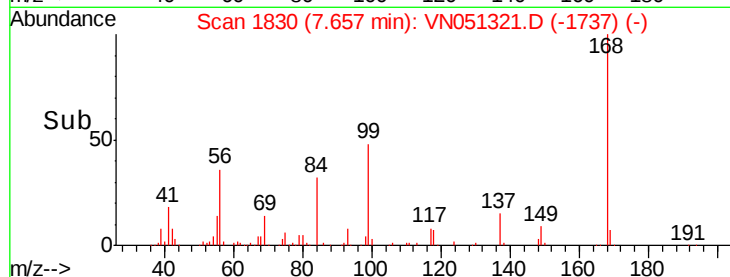
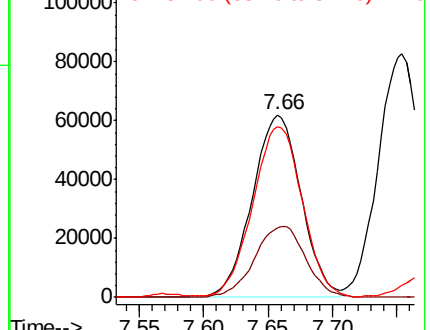


Abundance

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: 19.82 ug/l

RT: 7.57 min Scan# 1804

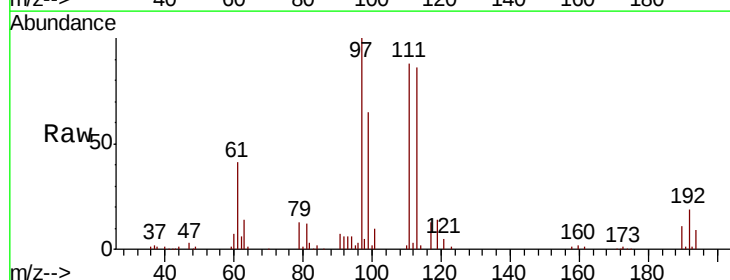
Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Tgt Ion: 97 Resp: 174384

Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	41.1	33.4	50.2

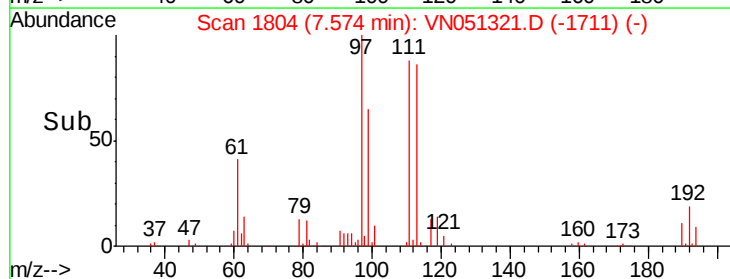
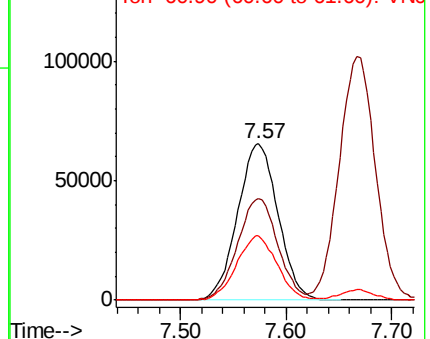


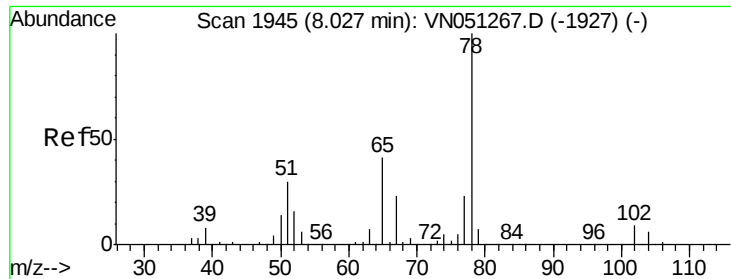
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

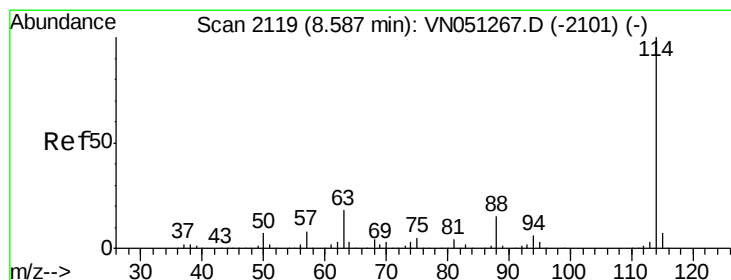
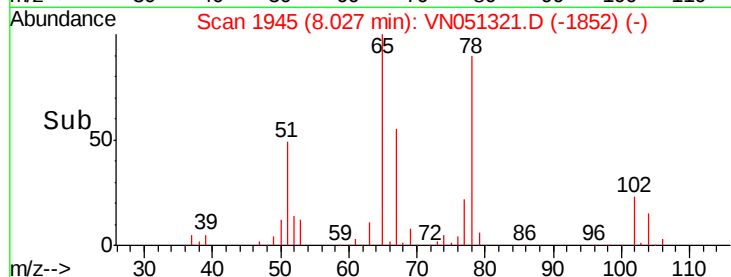
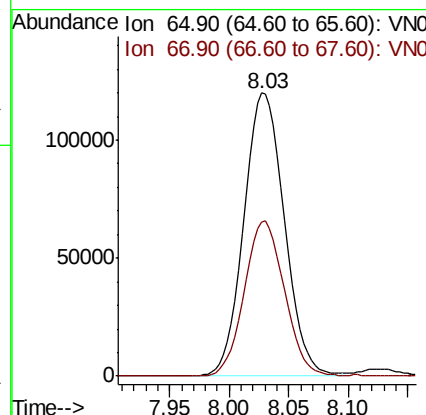
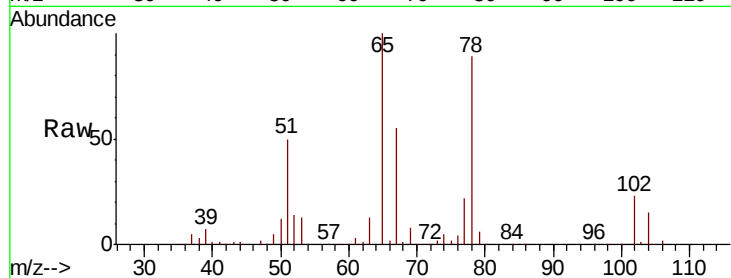




#33
 1,2-Dichloroethane-d4
 Concen: 50.30 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

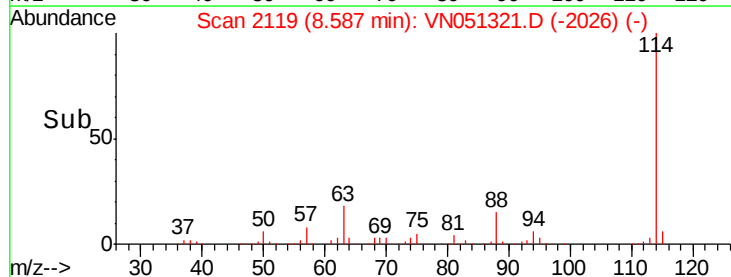
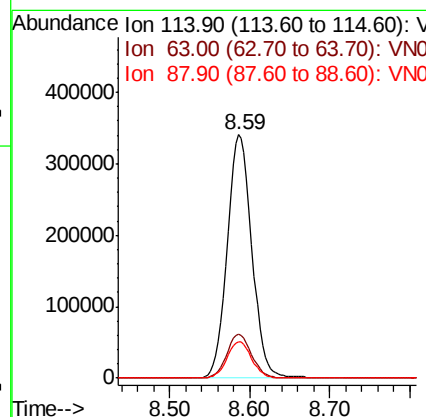
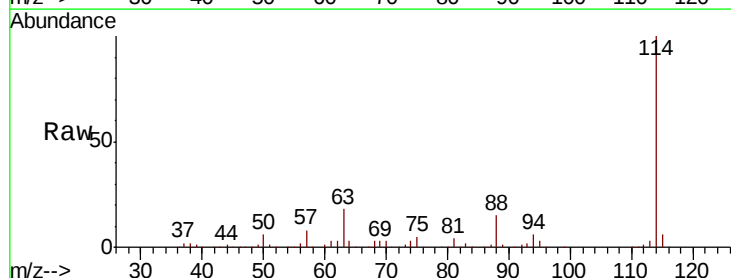
Instrument :
 MSVOA_N
 ClientSampleId :

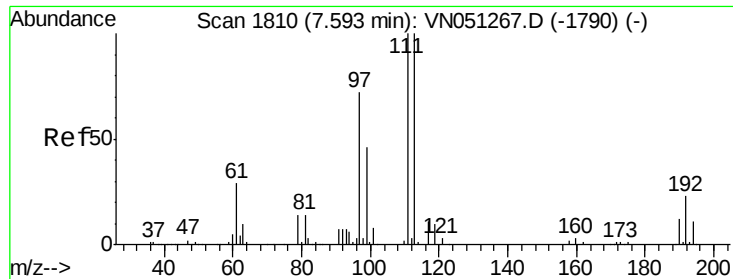
Tot Ion: 65 Resp: 283537
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion: 114 Resp: 720615
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 36.8
 88 15.0 0.0 30.8

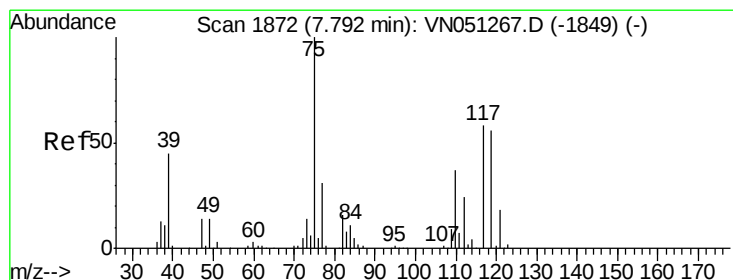
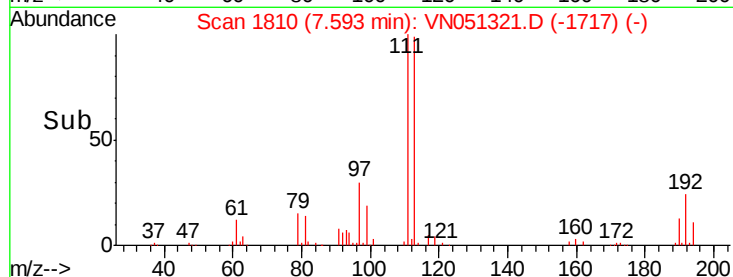
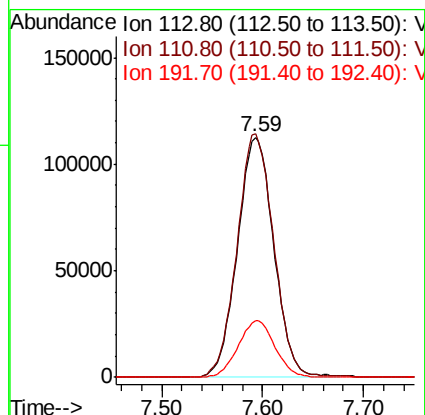
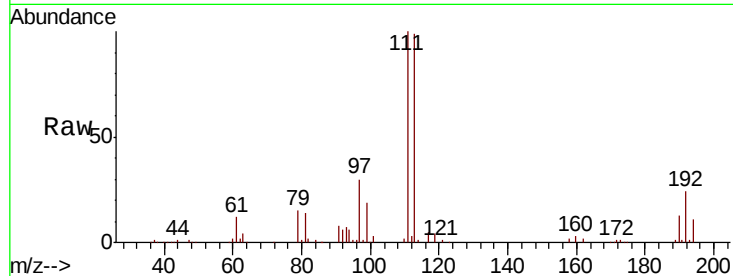




#35
 Dibromofluoromethane
 Concen: 50.34 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

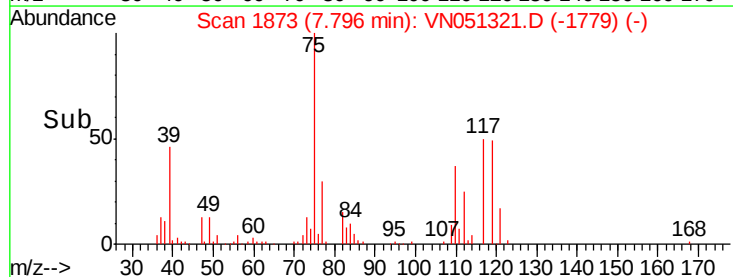
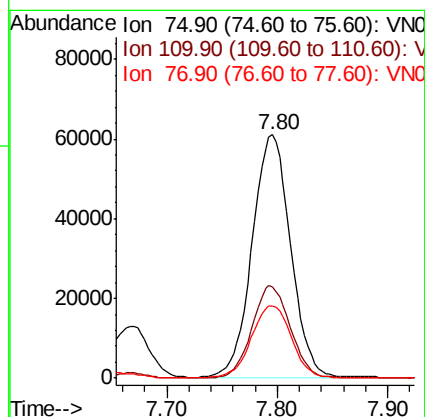
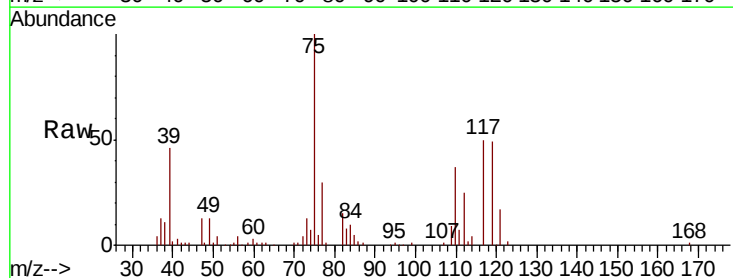
Instrument :
 MSVOA_N
 ClientSampleId :

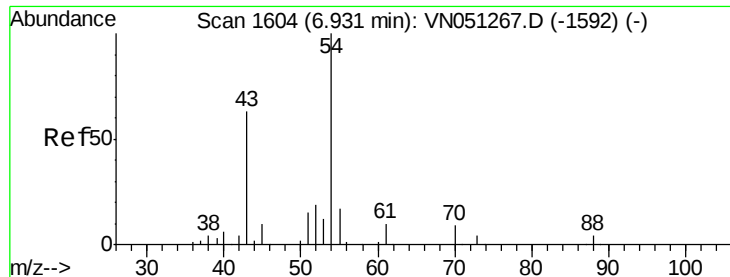
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	23.9	19.0	28.6



#36
 1,1-Dichloropropene
 Concen: 18.76 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.1	18.6	56.0
77	31.5	24.7	37.1

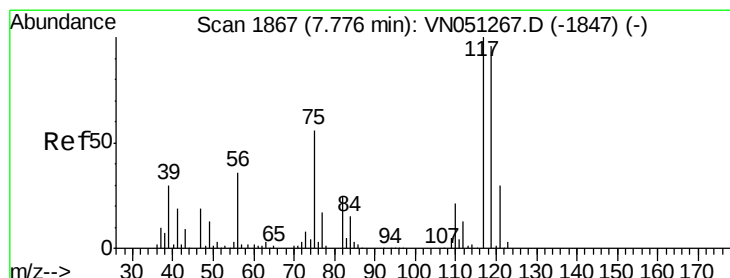
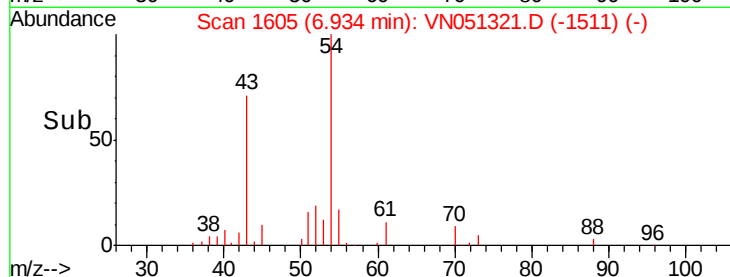
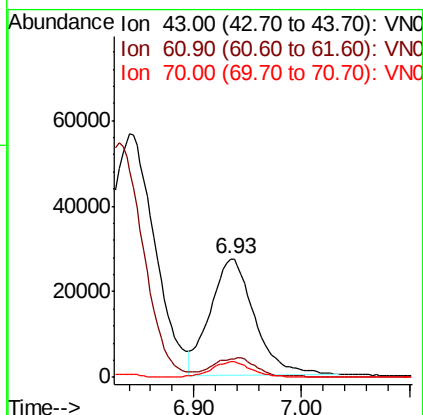
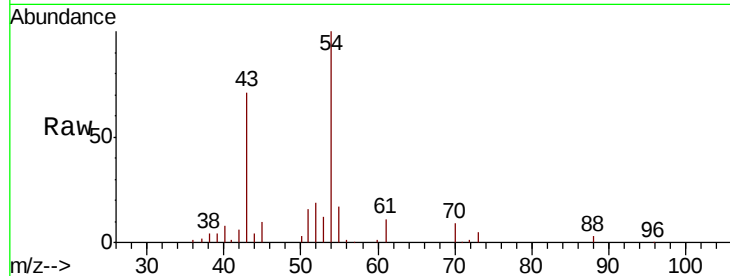




#37
Ethyl Acetate
Concen: 19.60 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

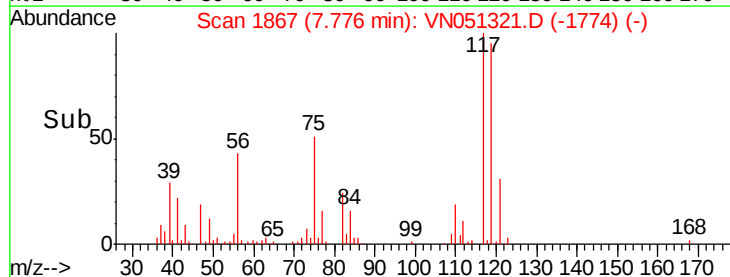
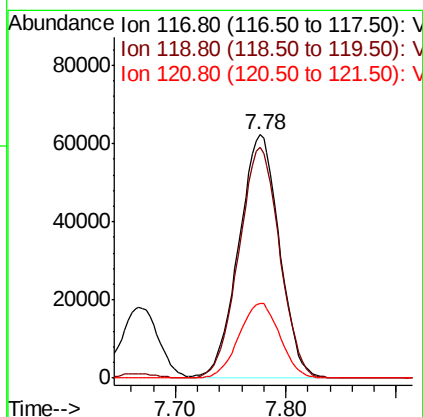
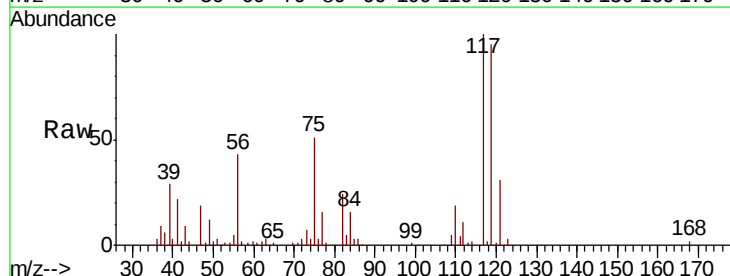
Instrument :
MSVOA_N
ClientSampled :

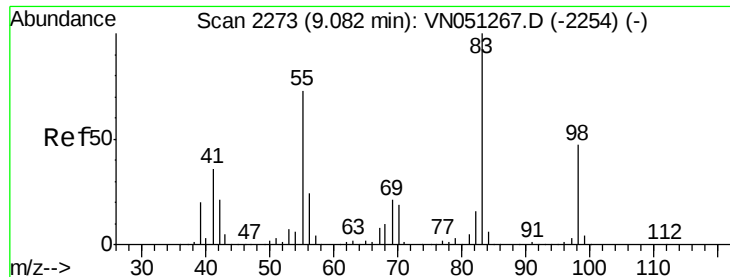
Tot Ion: 43 Resp: 78585
Ion Ratio Lower Upper
43 100
61 14.5 12.3 18.5
70 12.3 9.4 14.0



#38
Carbon Tetrachloride
Concen: 19.52 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 117 Resp: 158769
Ion Ratio Lower Upper
117 100
119 94.8 76.8 115.2
121 30.8 24.2 36.2

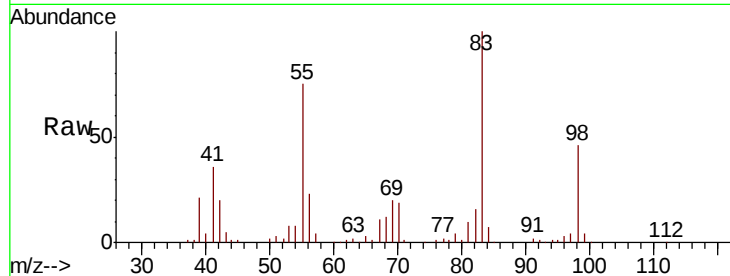




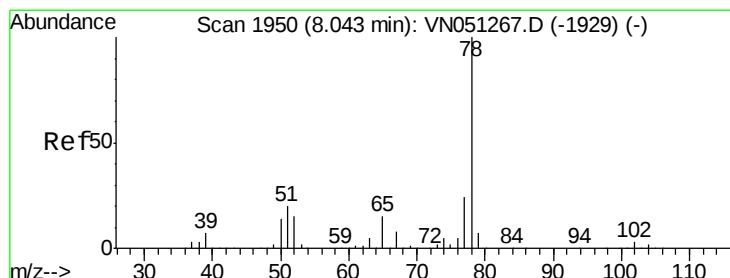
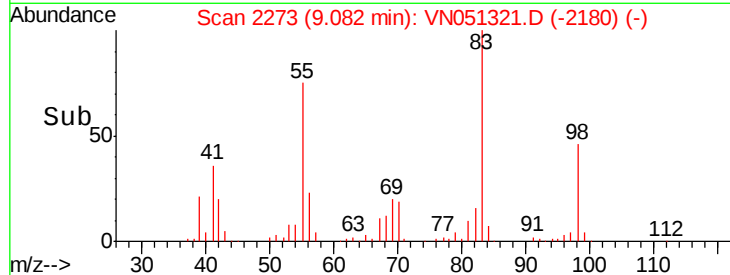
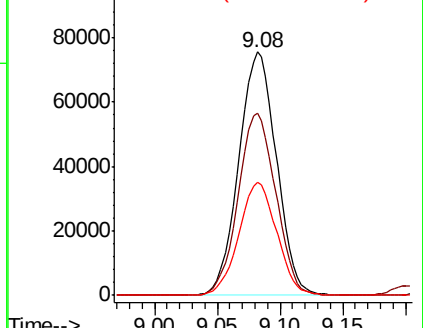
#39
Methvlcvclohexane
Concen: 18.62 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 157816
Ion Ratio Lower Upper
83 100
55 74.9 58.7 88.1
98 46.4 37.3 55.9

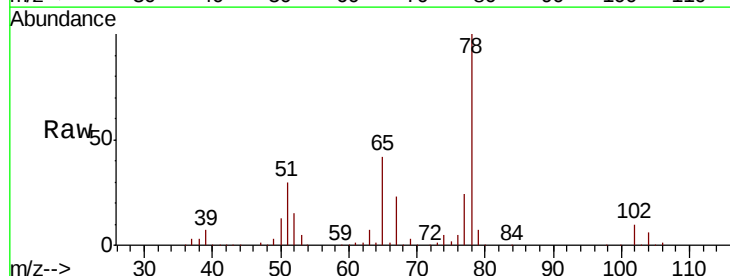


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

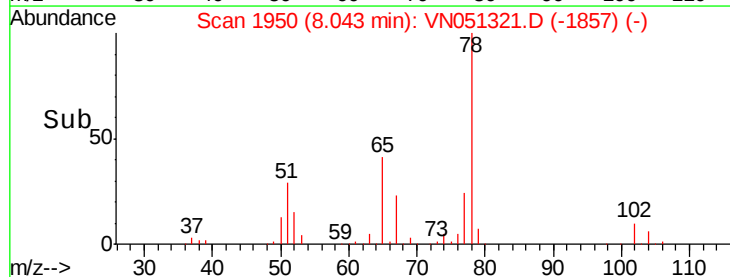
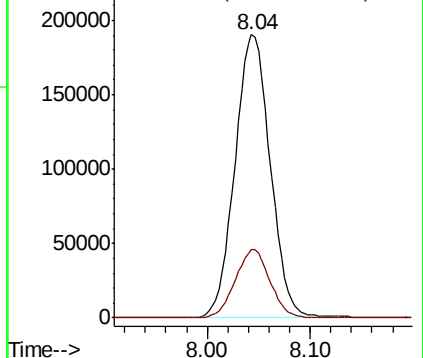


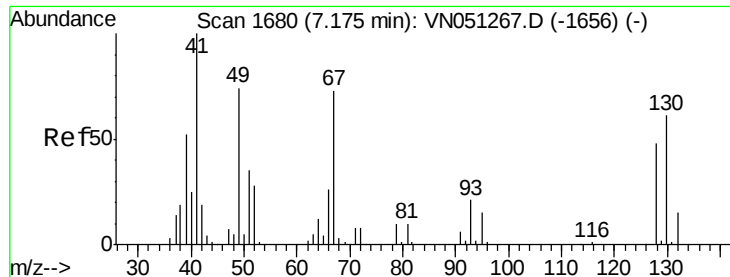
#40
Benzene
Concen: 19.57 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 78 Resp: 454177
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

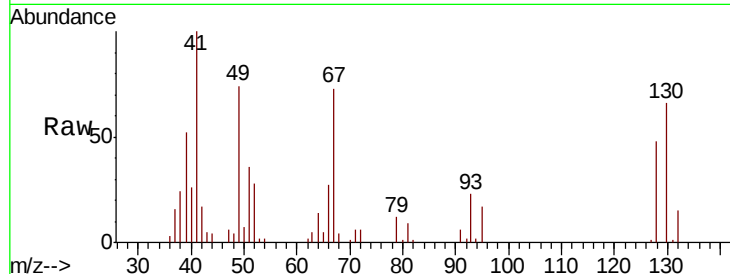




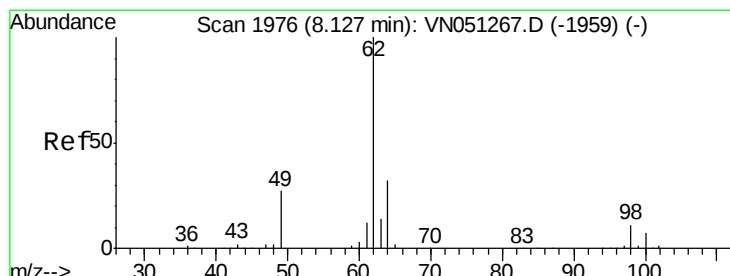
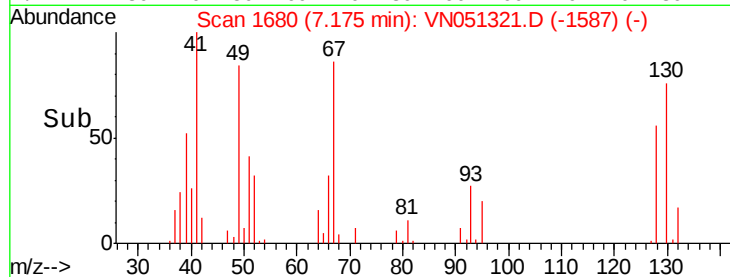
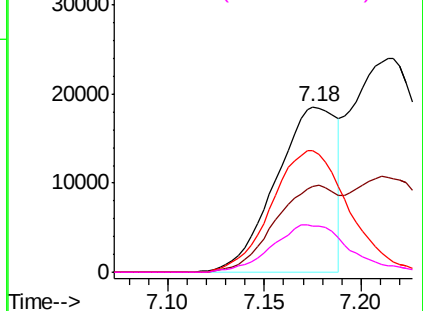
#41
Methacrylonitrile
Concen: 19.72 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 40577
Ion Ratio Lower Upper
41 100
39 56.7 47.8 71.6
67 94.2 69.8 104.6
52 36.5 26.6 40.0

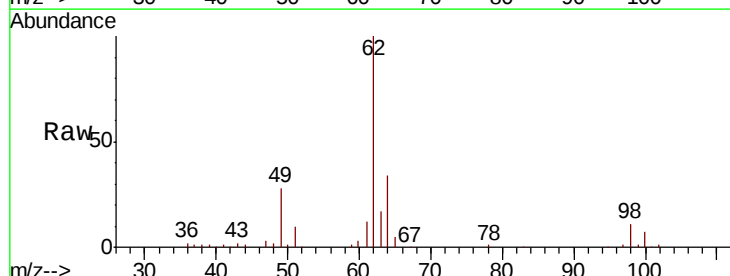


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

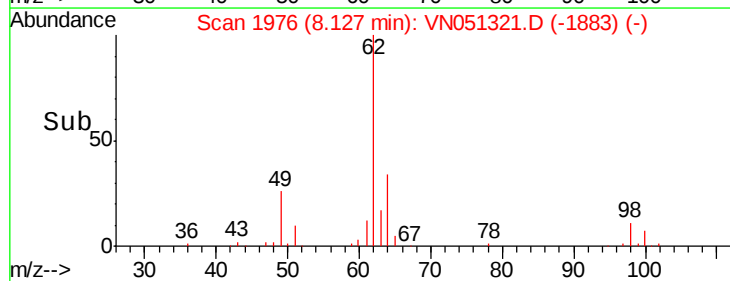
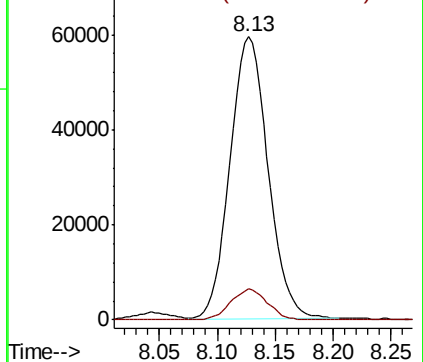


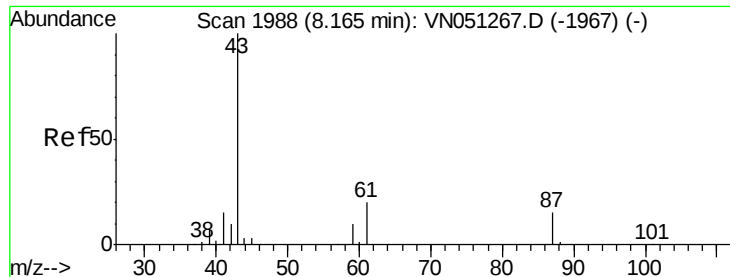
#42
1,2-Dichloroethane
Concen: 19.79 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 62 Resp: 135068
Ion Ratio Lower Upper
62 100
98 10.6 0.0 21.0



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





#43

Isopropyl Acetate

Concen: 21.13 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

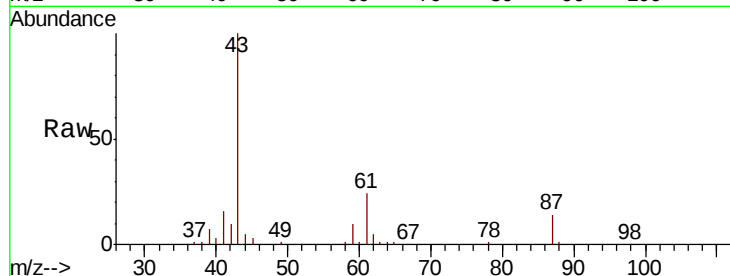
Tot Ion: 43 Resp: 146591

Ion Ratio Lower Upper

43 100

61 20.9 17.4 26.2

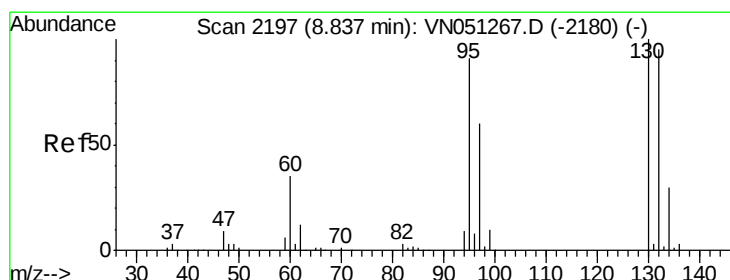
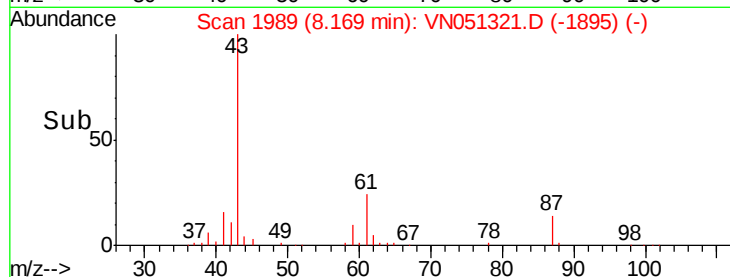
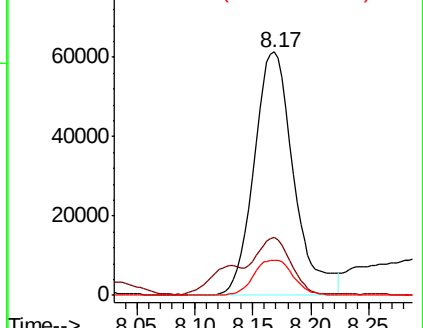
87 14.3 12.2 18.4



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-1967) (-)

Ion 61.00 (60.70 to 61.70): VN051267.D (-1967) (-)

Ion 87.00 (86.70 to 87.70): VN051267.D (-1967) (-)



#44

Trichloroethene

Concen: 19.28 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051321.D

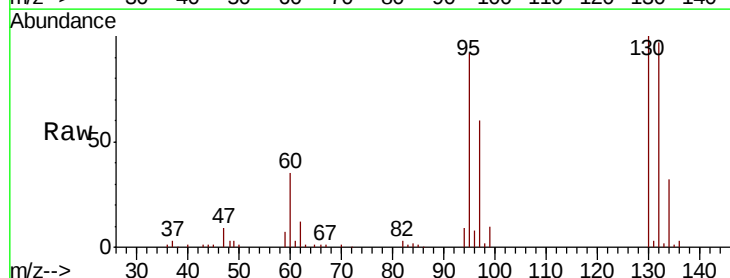
Acq: 19 Sep 2018 16:03

Tgt Ion:130 Resp: 125798

Ion Ratio Lower Upper

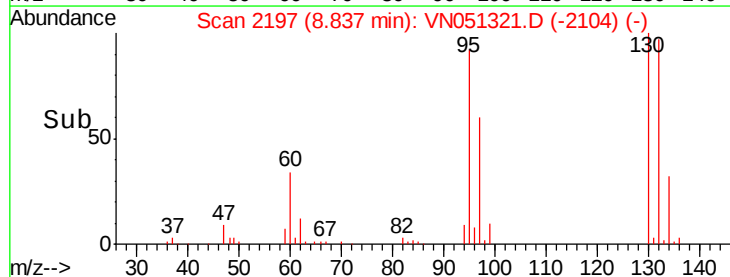
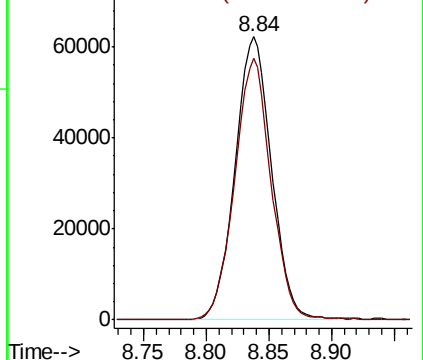
130 100

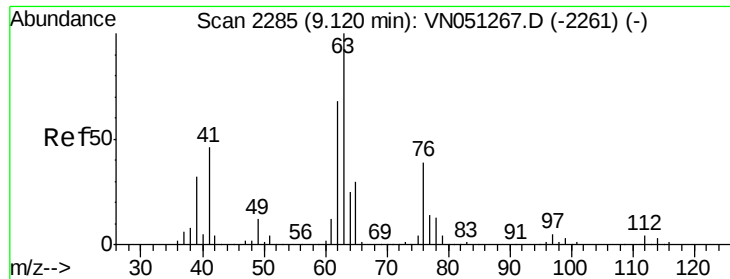
95 92.3 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VN051267.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN051267.D (-2180) (-)

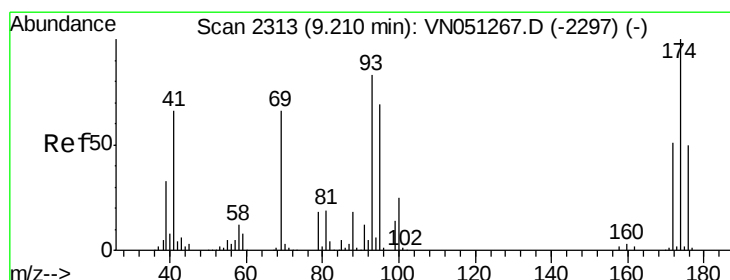
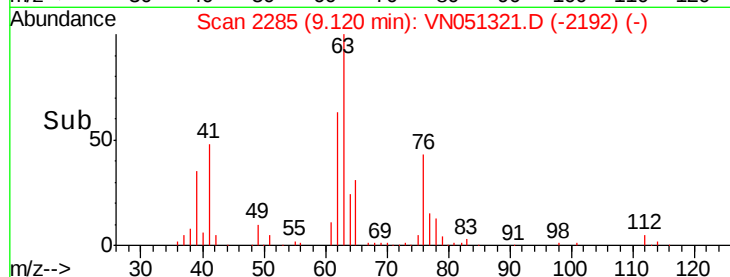
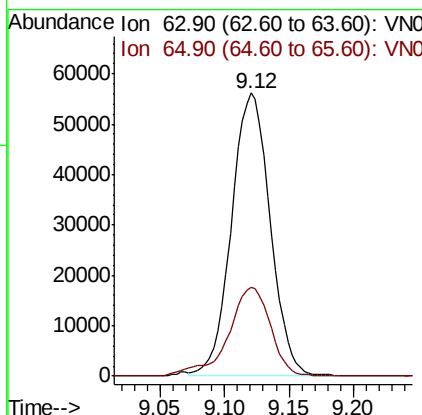
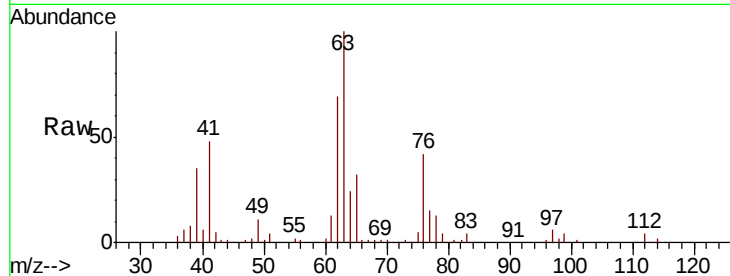




#45
 1,2-Dichloropropane
 Concen: 19.72 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

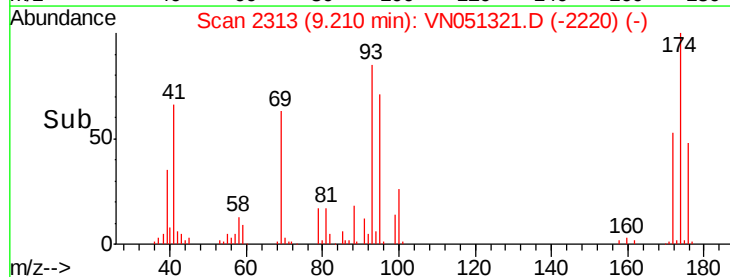
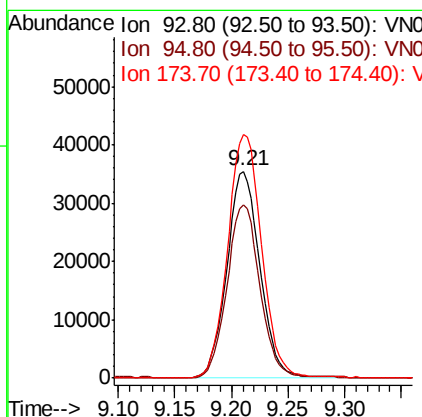
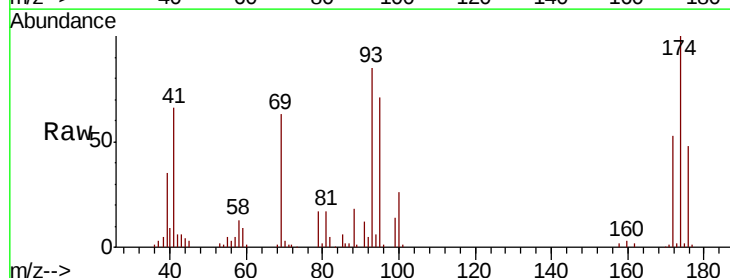
Instrument :
 MSVOA_N
 ClientSampleId :

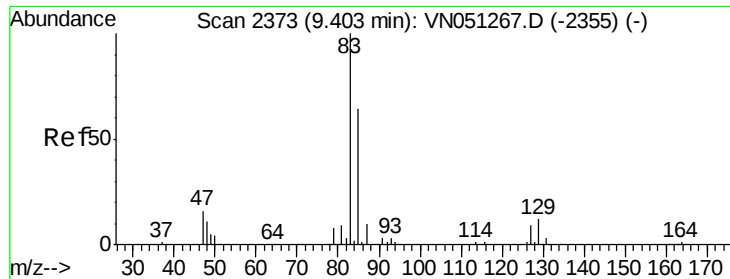
Tot Ion: 63 Resp: 116022
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.2 36.4



#46
 Dibromomethane
 Concen: 20.21 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion: 93 Resp: 72442
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.6 100.0
 174 120.9 95.6 143.4





#47

Bromodichloromethane

Concen: 19.71 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

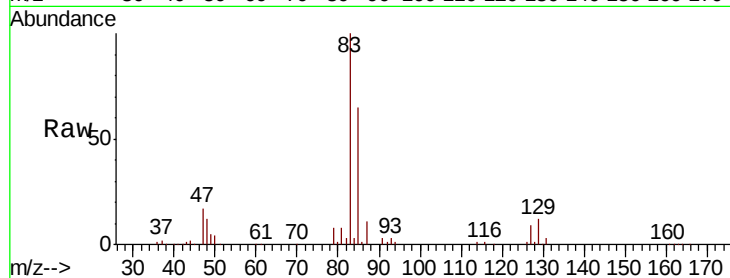
Tot Ion: 83 Resp: 150563

Ion Ratio Lower Upper

83 100

85 65.1 51.0 76.4

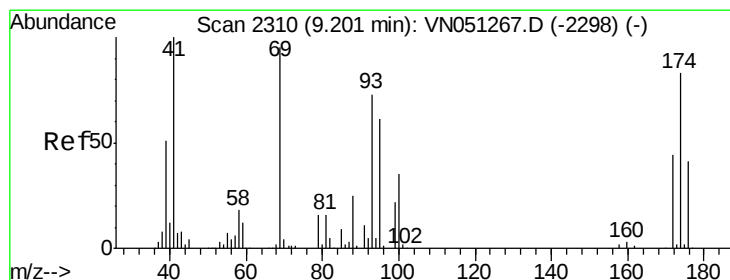
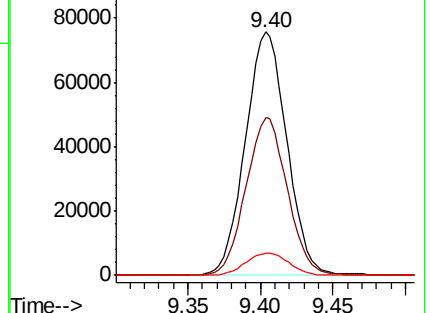
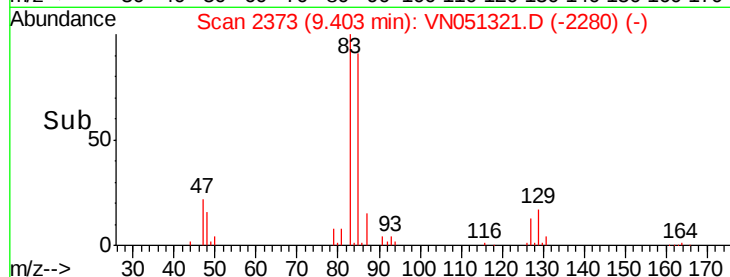
127 9.1 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VN051321.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN051321.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN051321.D (-2280) (-)



#48

Methyl methacrylate

Concen: 19.65 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

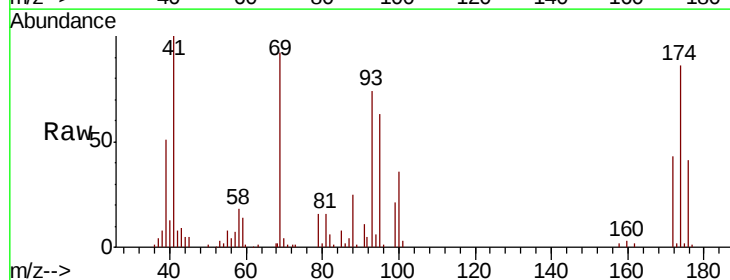
Tgt Ion: 41 Resp: 65669

Ion Ratio Lower Upper

41 100

69 100.9 78.9 118.3

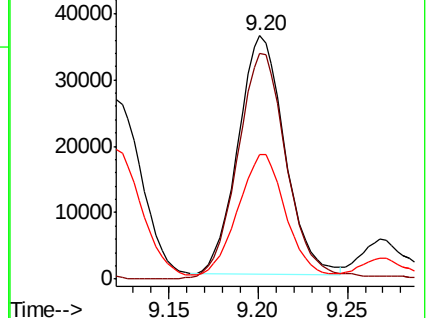
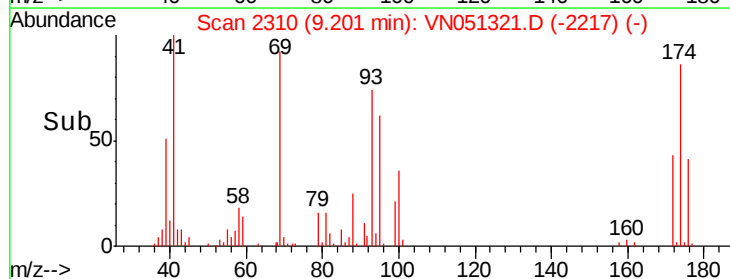
39 53.8 42.2 63.2

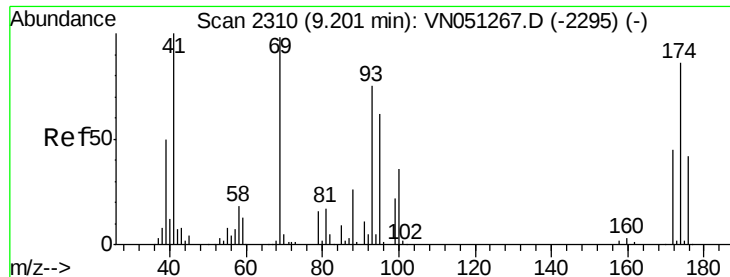


Abundance Ion 41.00 (40.70 to 41.70): VN051321.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN051321.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN051321.D (-2217) (-)





#49

1,4-Dioxane

Concen: 406.08 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

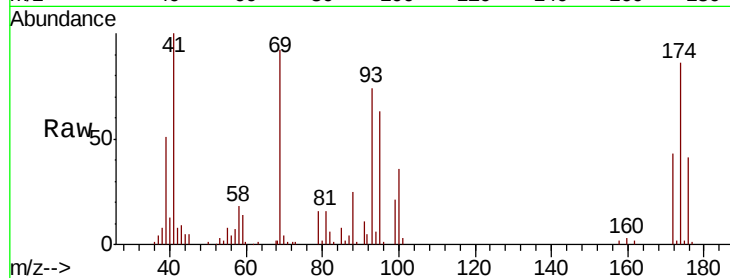
Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 19633

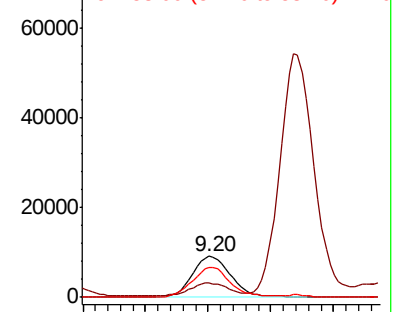
Ion	Ratio	Lower	Upper
88	100		
43	32.7	25.3	37.9
58	72.2	54.9	82.3



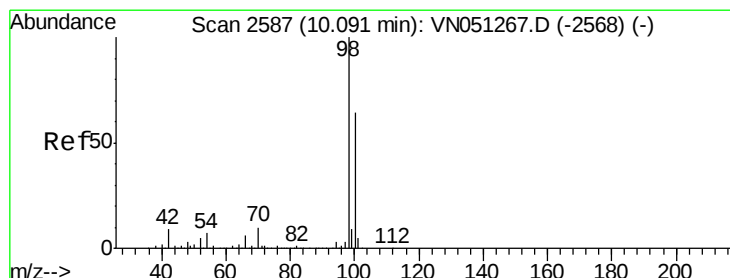
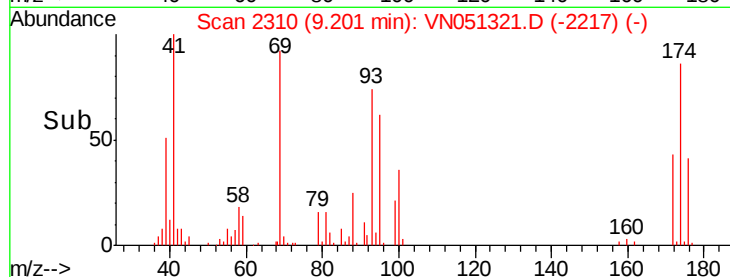
Abundance Ion 88.00 (87.70 to 88.70): VN051267.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN051267.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-2295) (-)



Time-->



#50

Toluene-d8

Concen: 49.93 ug/l

RT: 10.09 min Scan# 2587

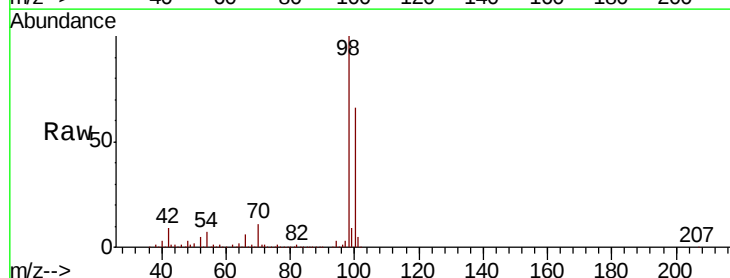
Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

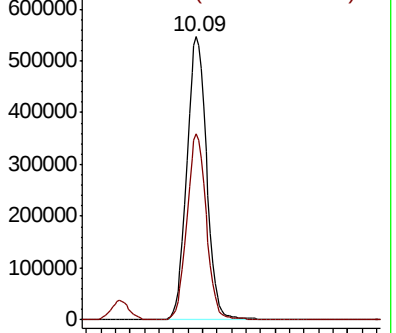
Tgt Ion: 98 Resp: 1033495

Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.6	77.4

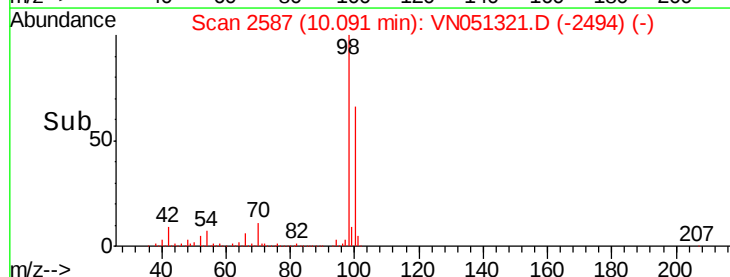


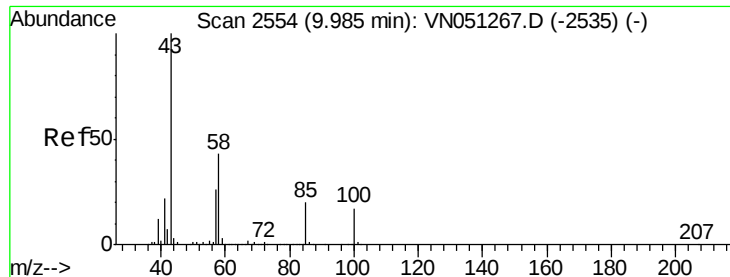
Abundance Ion 98.00 (97.70 to 98.70): VN051267.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN051267.D (-2568) (-)



Time-->





#51

4-Methyl-2-Pentanone

Concen: 105.98 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

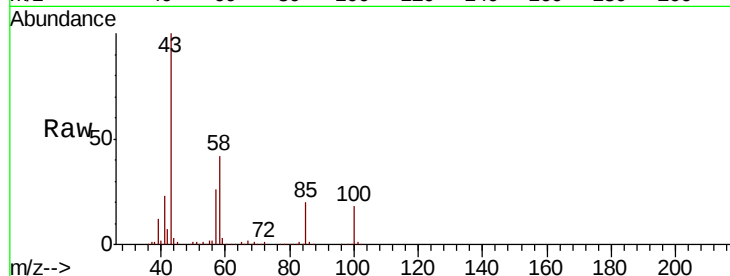
ClientSampleId :

Tot Ion: 43 Resp: 379456

Ion Ratio Lower Upper

43 100

58 42.0 33.8 50.6



Abundance Ion 43.00 (42.70 to 43.70): VN051267.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN051267.D (-2535) (-)

9.99

200000

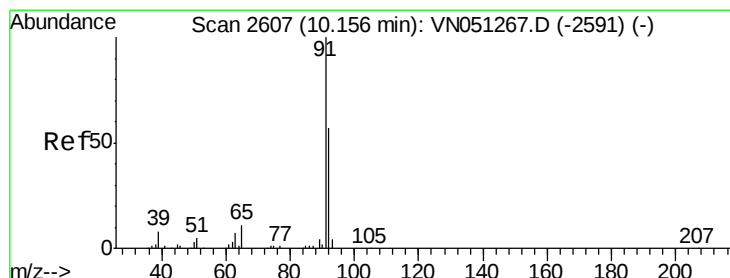
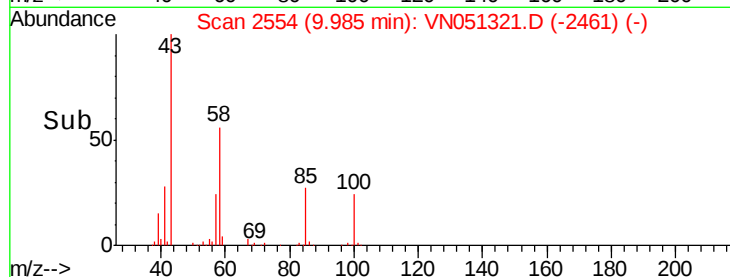
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.34 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051321.D

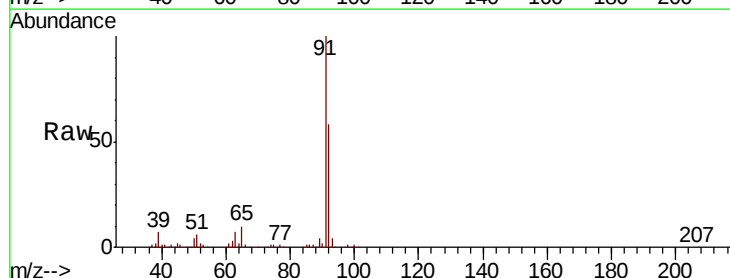
Acq: 19 Sep 2018 16:03

Tgt Ion: 92 Resp: 282537

Ion Ratio Lower Upper

92 100

91 174.8 139.2 208.8



Abundance Ion 92.00 (91.70 to 92.70): VN051267.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN051267.D (-2591) (-)

300000

250000

200000

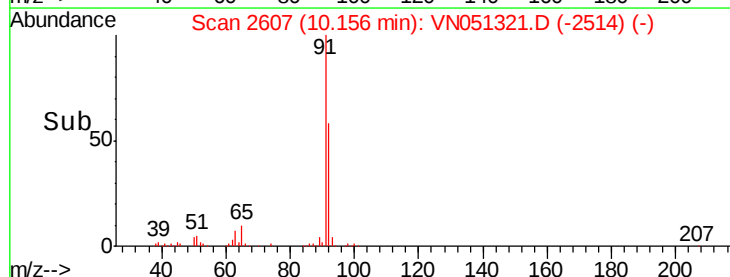
150000

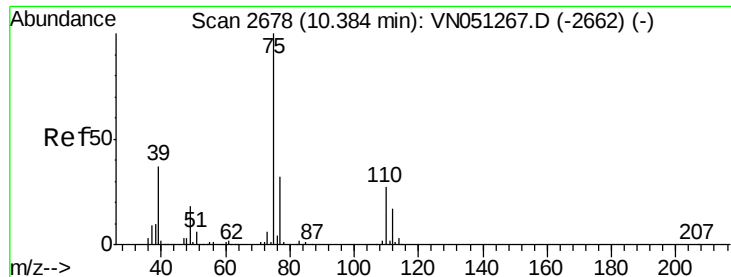
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.29 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

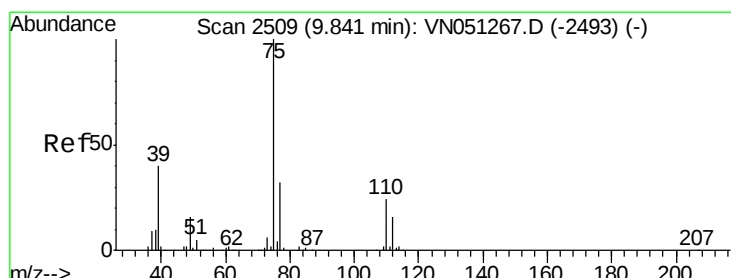
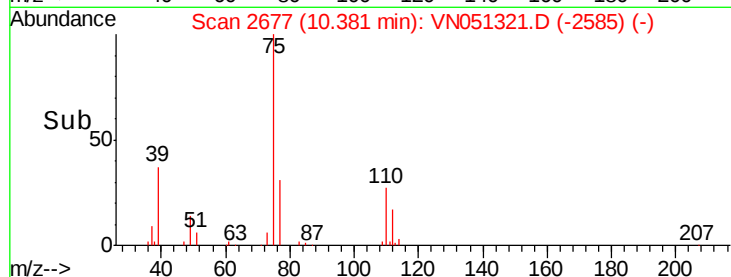
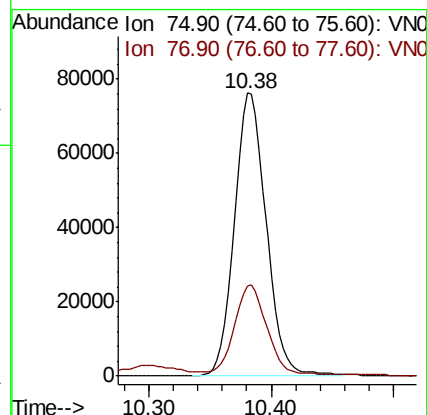
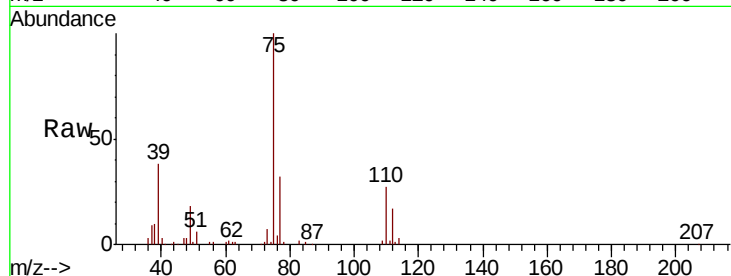
ClientSampleId :

Tot Ion: 75 Resp: 138449

Ion Ratio Lower Upper

75 100

77 31.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 19.51 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

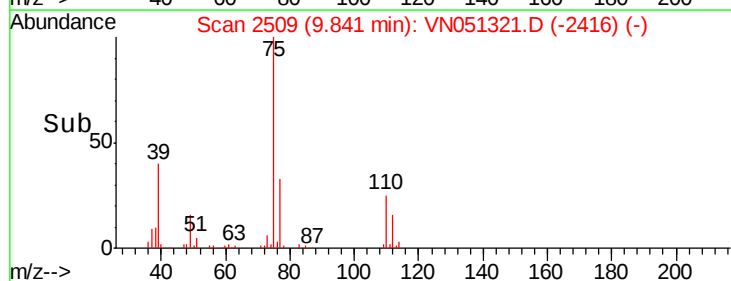
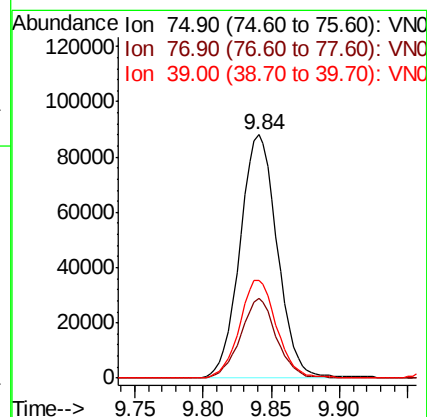
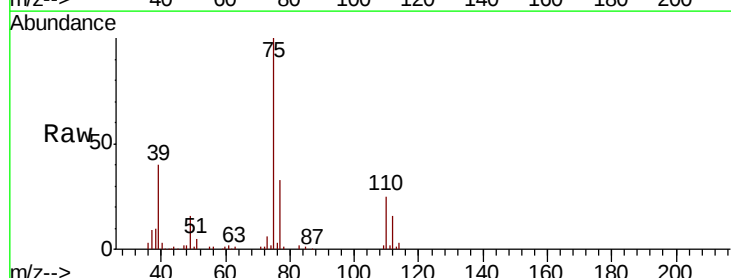
Tgt Ion: 75 Resp: 167302

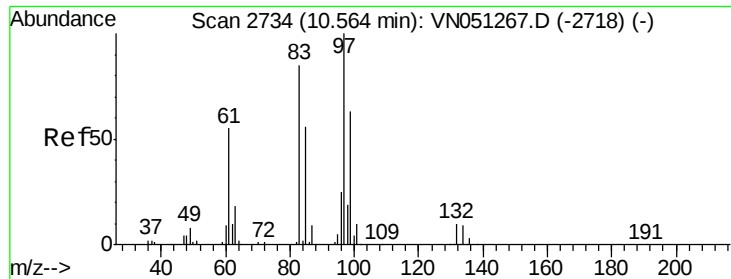
Ion Ratio Lower Upper

75 100

77 33.0 25.8 38.8

39 40.4 31.8 47.8

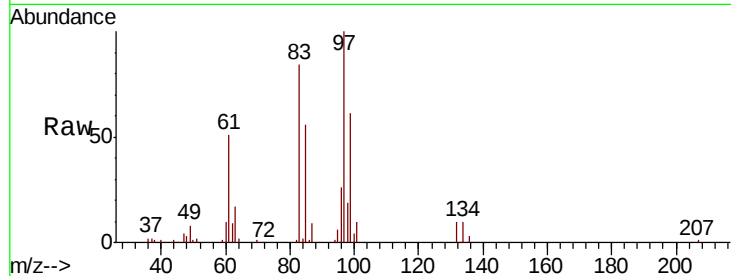




#55
 1,1,2-Trichloroethane
 Concen: 21.05 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	97	Resp	104565
Ion Ratio	Lower	Upper	
97	100		
83	83.6	67.7	101.5
85	56.3	44.5	66.7
99	61.1	50.4	75.6



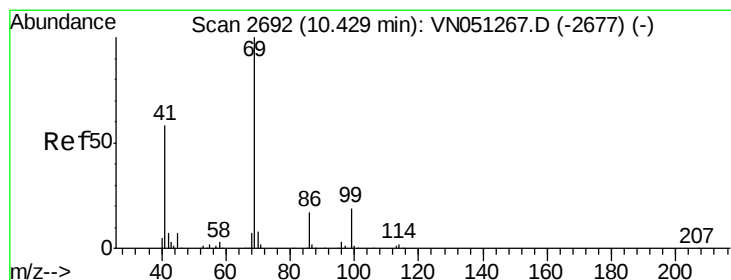
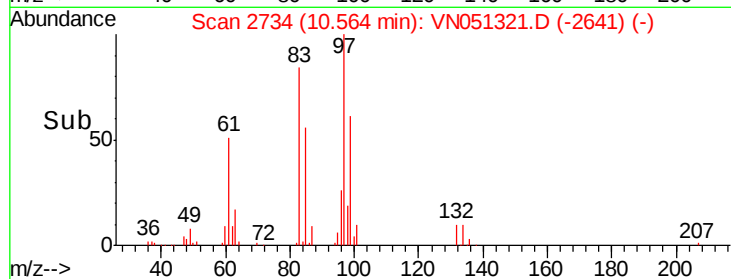
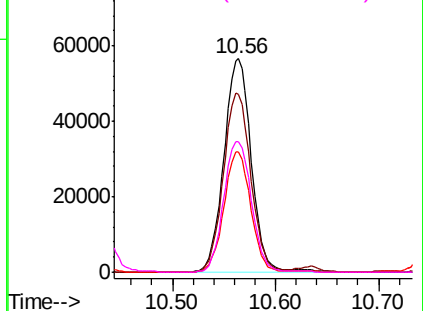
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

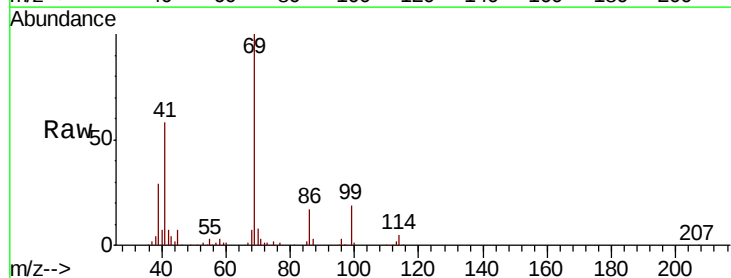
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 18.67 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	69	Resp	109449
Ion Ratio	Lower	Upper	
69	100		
41	57.8	47.4	71.0
39	29.2	23.7	35.5

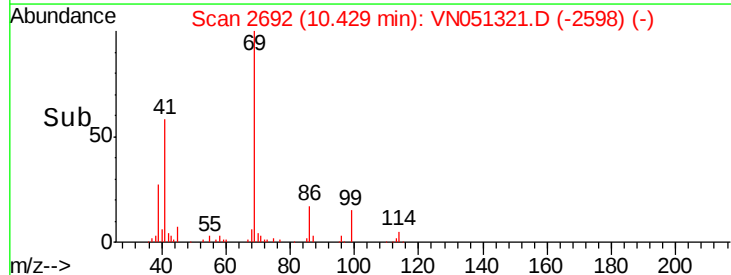
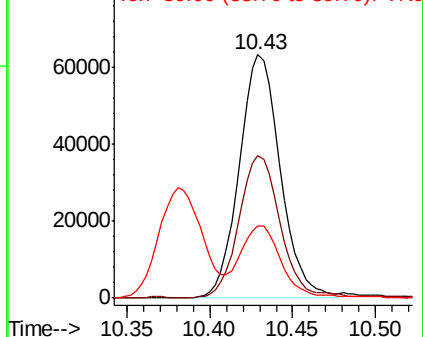


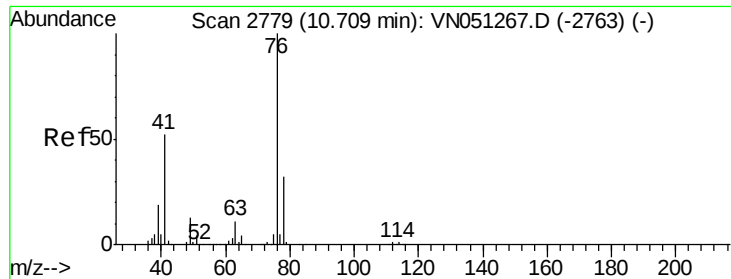
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.41 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

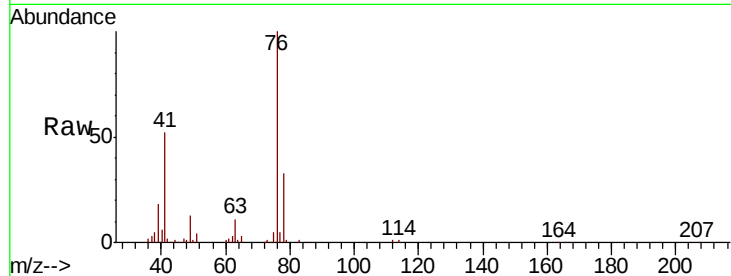
ClientSampled :

Tot Ion: 76 Resp: 165164

Ion Ratio Lower Upper

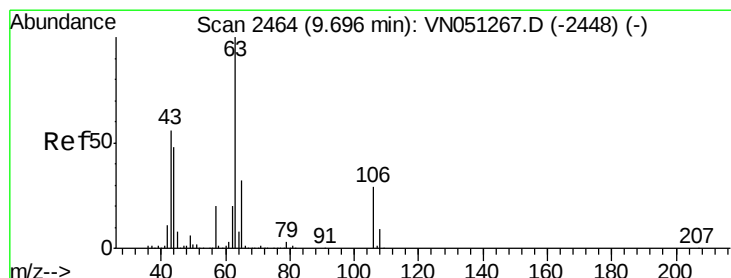
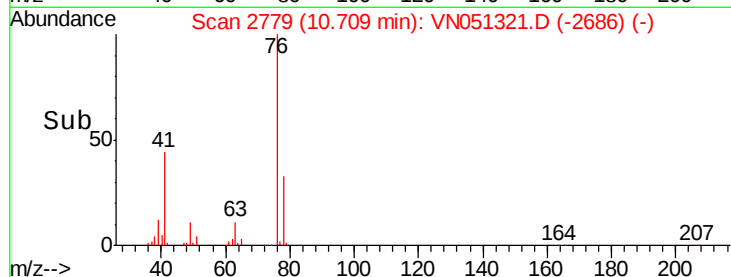
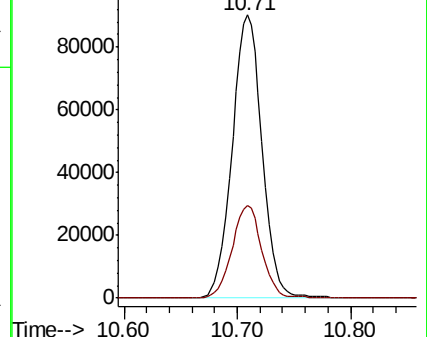
76 100

78 32.7 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN051267.D (-2763) (-)

Ion 77.90 (77.60 to 78.60): VN051267.D (-2763) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 89.03 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN051321.D

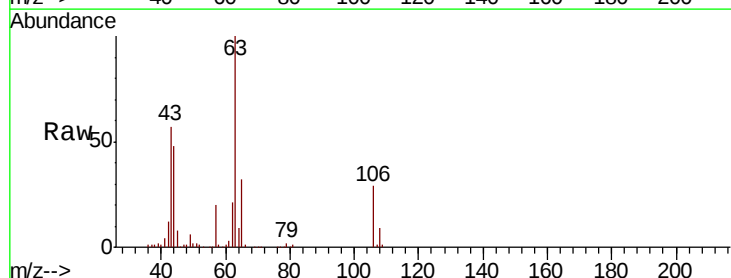
Acq: 19 Sep 2018 16:03

Tgt Ion: 63 Resp: 233664

Ion Ratio Lower Upper

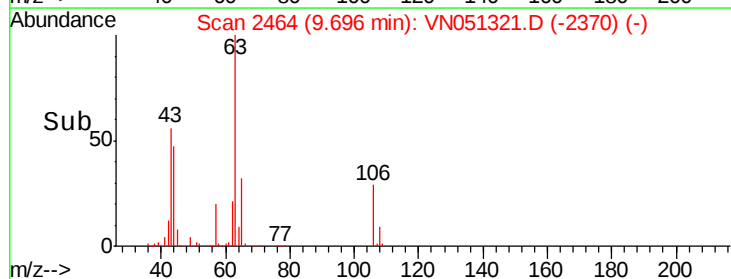
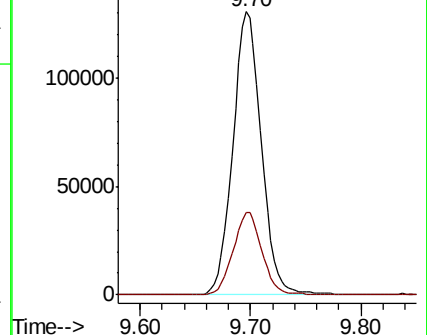
63 100

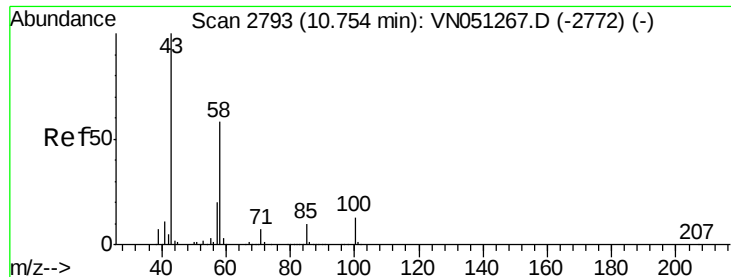
106 29.4 23.4 35.2



Abundance Ion 62.90 (62.60 to 63.60): VN051267.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN051267.D (-2448) (-)

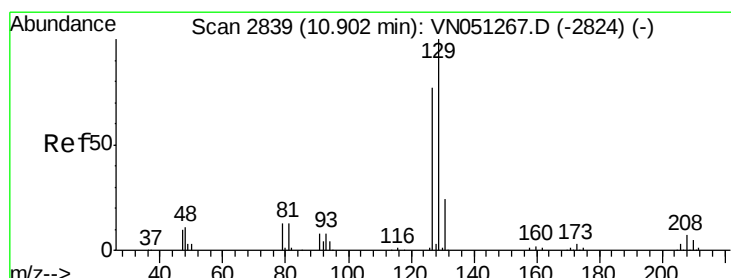
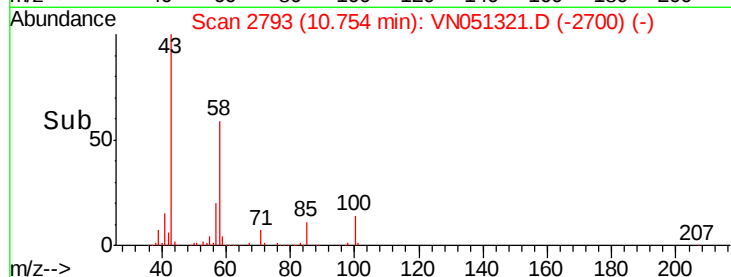
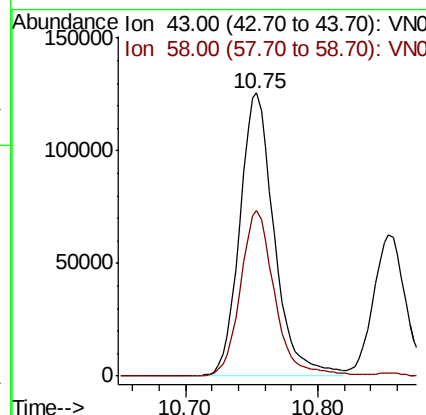
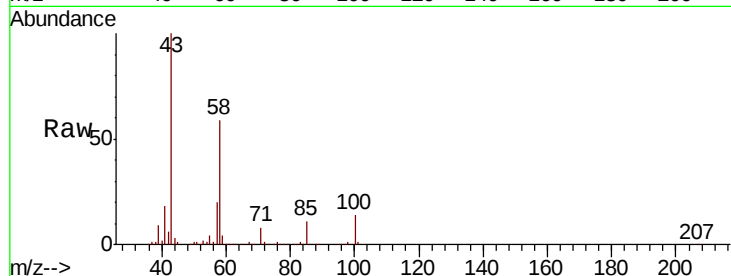




#59
2-Hexanone
Concen: 95.64 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

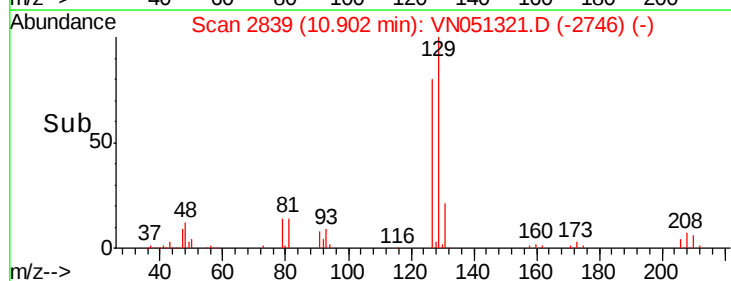
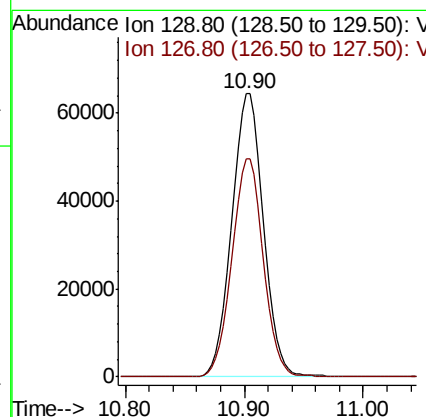
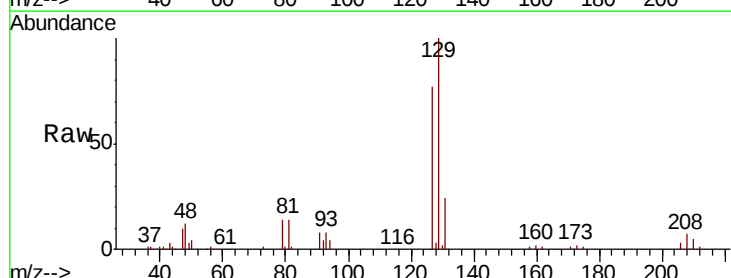
Instrument :
MSVOA_N
ClientSampled :

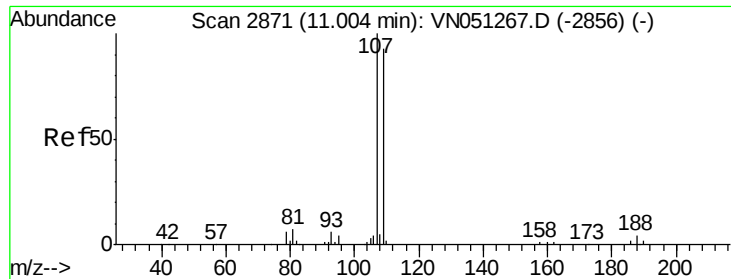
Tot Ion: 43 Resp: 225445
Ion Ratio Lower Upper
43 100
58 58.5 28.9 86.8



#60
Dibromochloromethane
Concen: 20.30 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 129 Resp: 118681
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.9

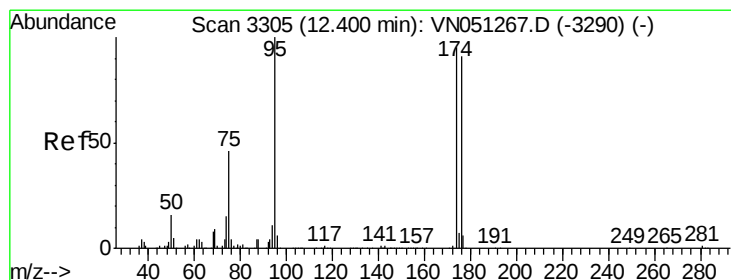
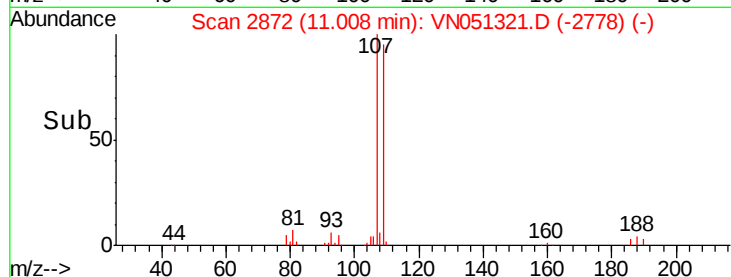
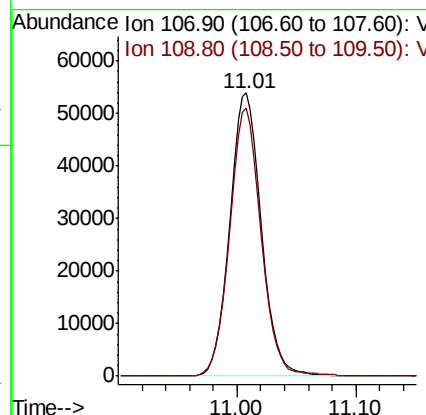
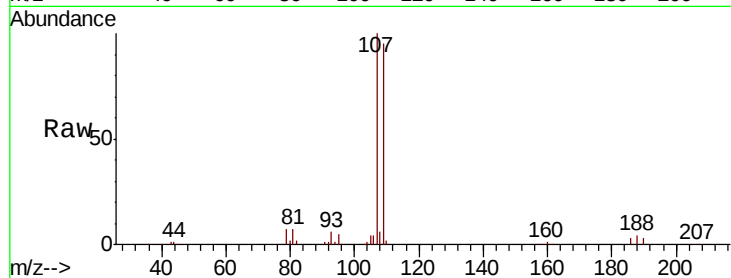




#61
 1,2-Dibromoethane
 Concen: 20.66 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

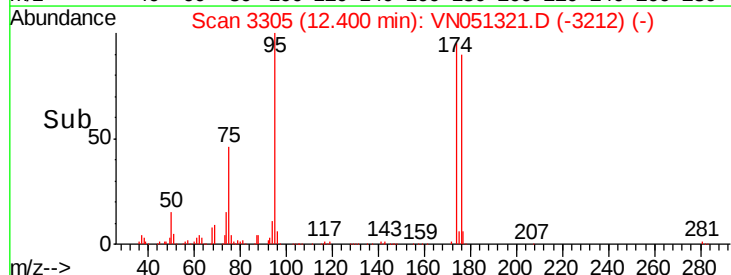
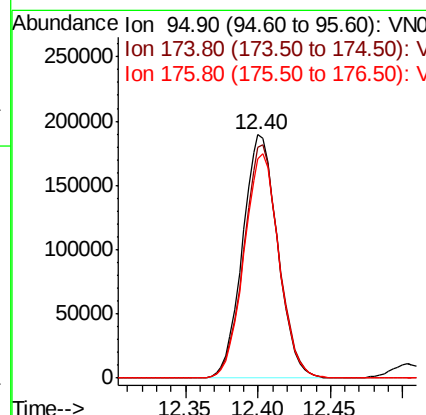
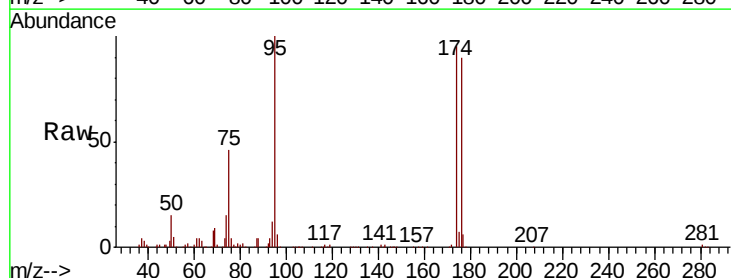
Instrument :
 MSVOA_N
 ClientSampled :

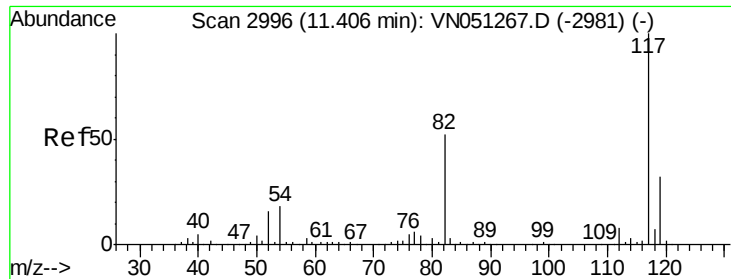
Tot Ion: 107 Resp: 98630
 Ion Ratio Lower Upper
 107 100
 109 94.5 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 48.28 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion: 95 Resp: 317847
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 189.6
 176 92.3 0.0 182.6

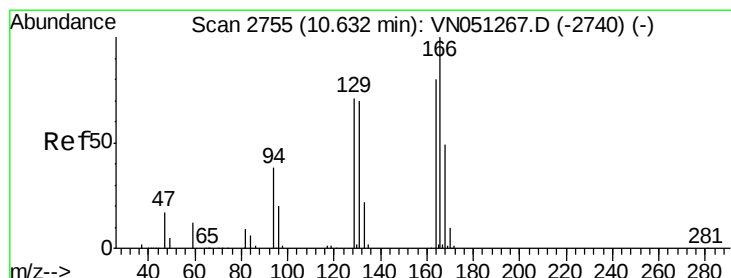
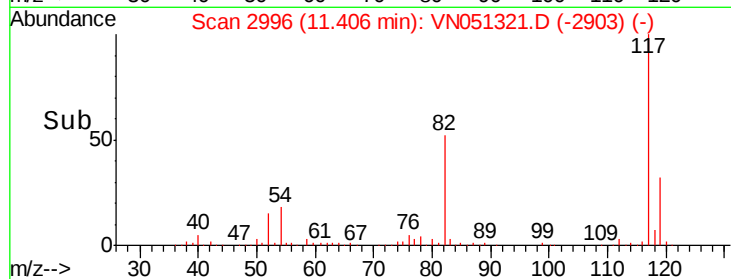
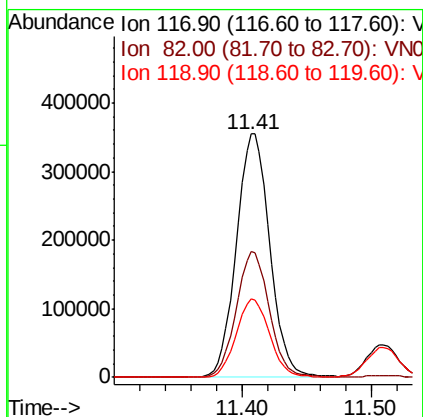
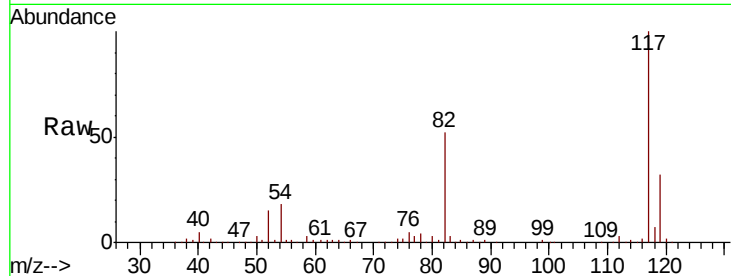




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

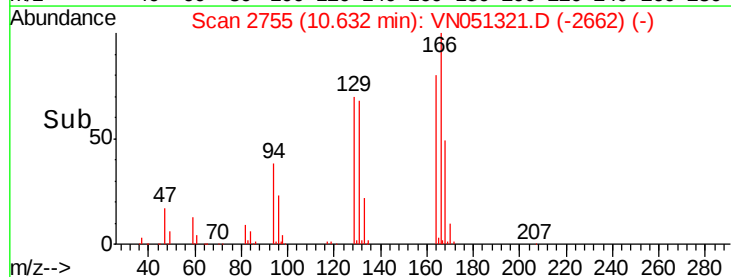
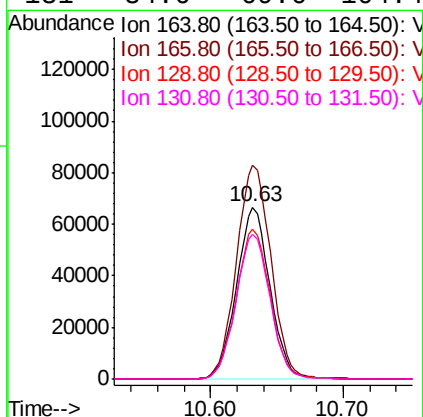
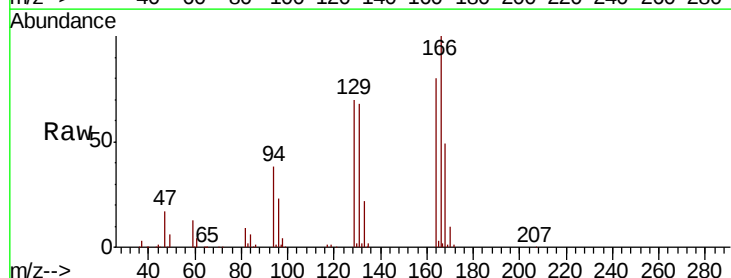
Instrument :
MSVOA_N
ClientSampleId :

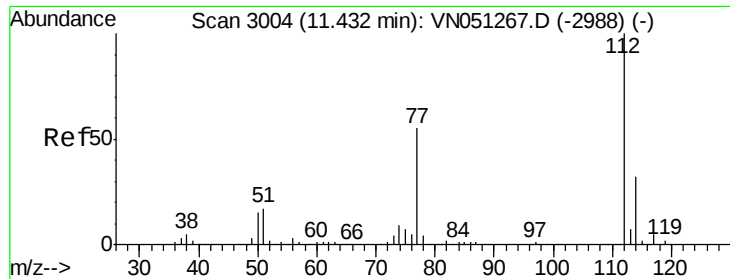
Tot Ion:117 Resp: 640112
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.8
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 19.19 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion:164 Resp: 116627
Ion Ratio Lower Upper
164 100
166 124.3 100.0 150.0
129 87.4 70.8 106.2
131 84.6 69.6 104.4





#65

Chlorobenzene

Concen: 19.47 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

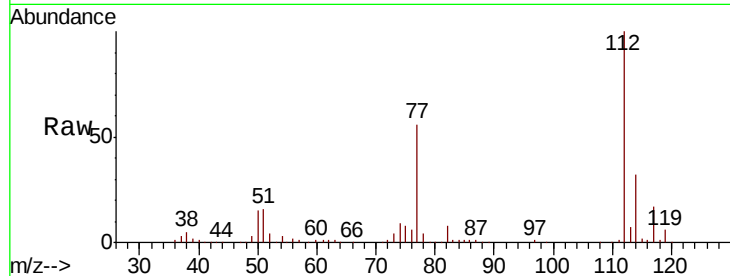
ClientSampleId :

Tot Ion:112 Resp: 308250

Ion Ratio Lower Upper

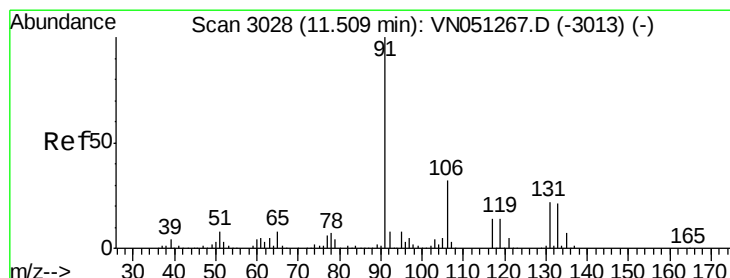
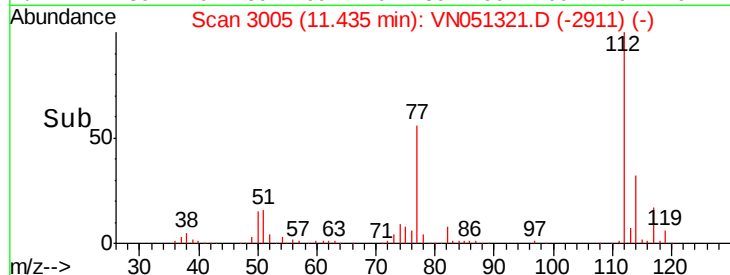
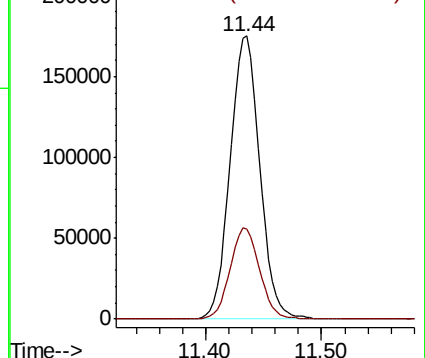
112 100

114 32.0 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.98 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

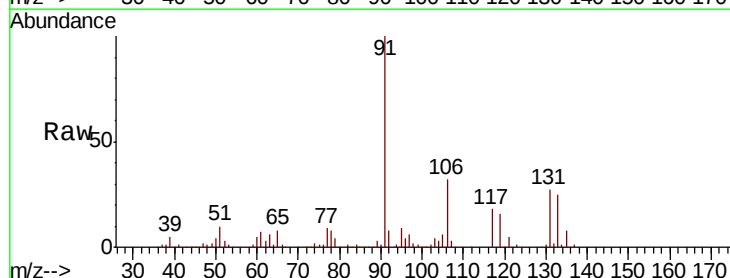
Tgt Ion:131 Resp: 119772

Ion Ratio Lower Upper

131 100

133 95.3 47.9 143.7

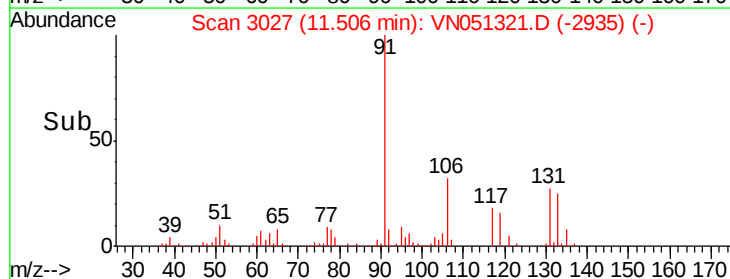
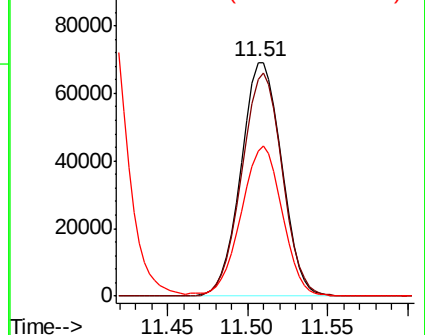
119 65.1 32.6 98.0

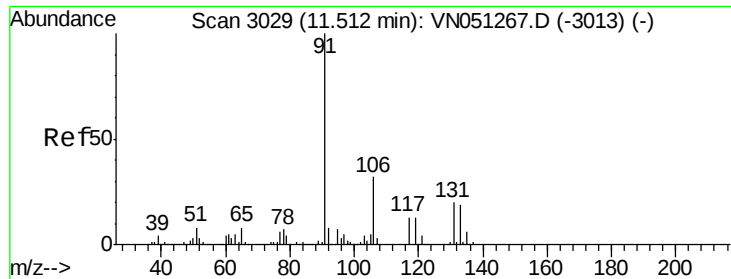


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

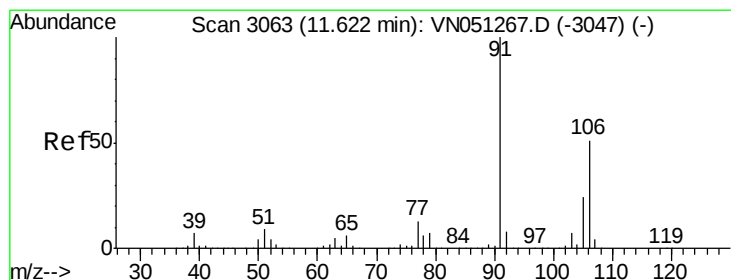
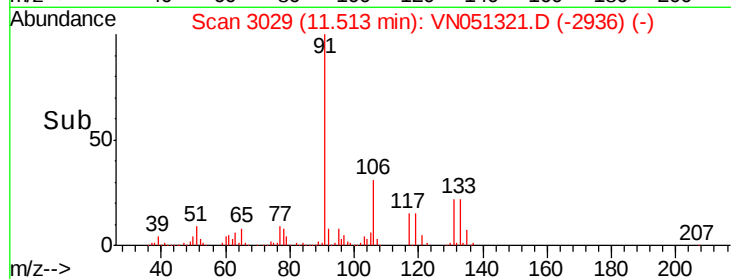
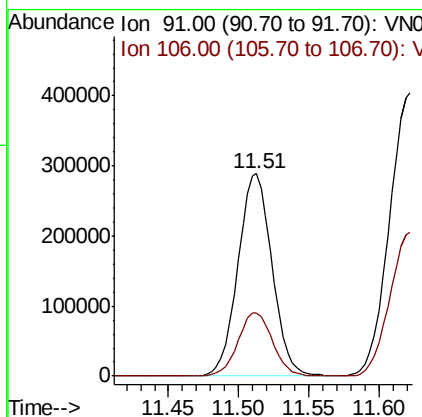
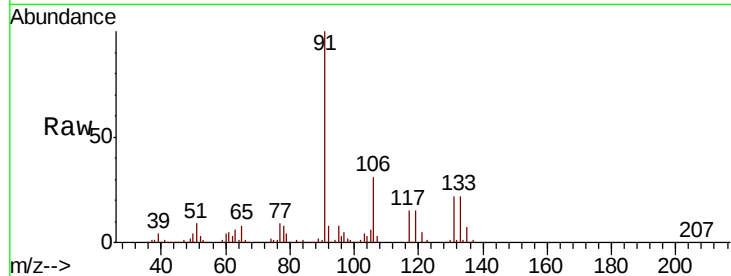




#67
Ethyl Benzene
Concen: 19.45 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

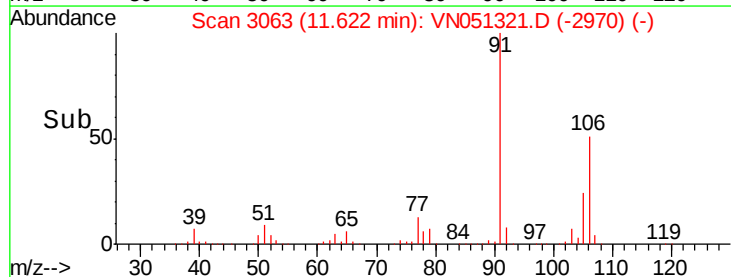
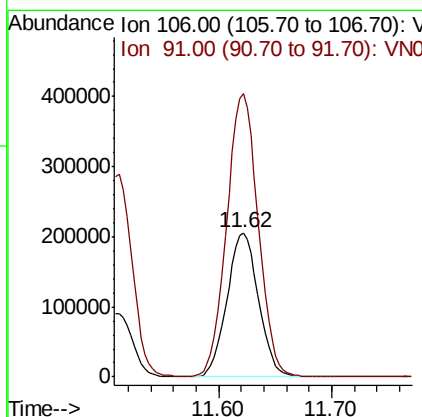
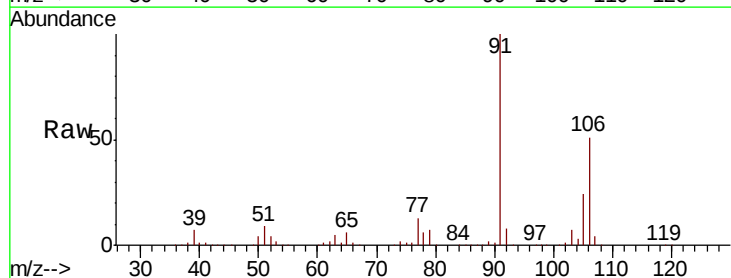
Instrument :
MSVOA_N
ClientSampled :

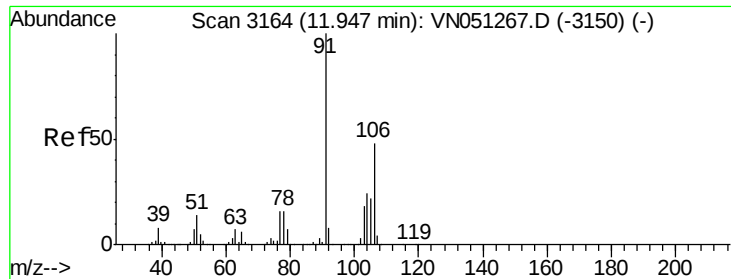
Tot Ion: 91 Resp: 490831
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5



#68
m/p-Xylenes
Concen: 40.54 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 106 Resp: 397376
Ion Ratio Lower Upper
106 100
91 196.9 158.6 238.0

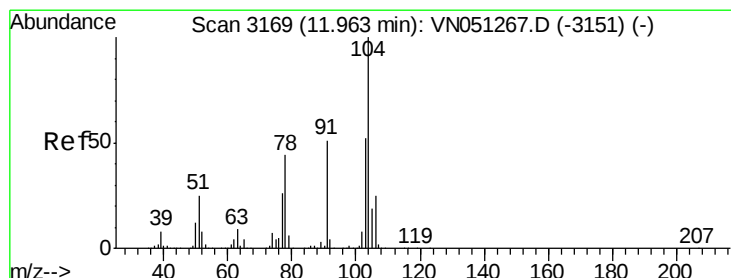
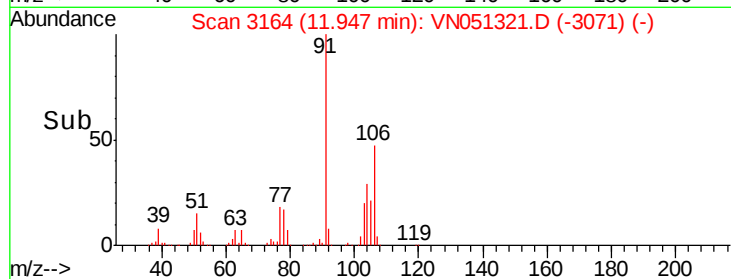
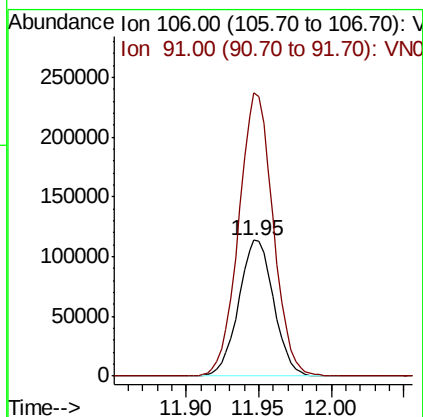
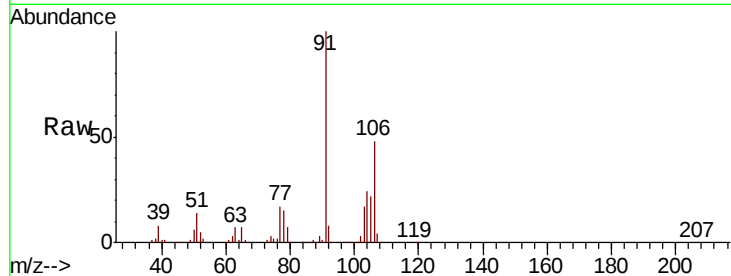




#69
o-Xylene
Concen: 20.41 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

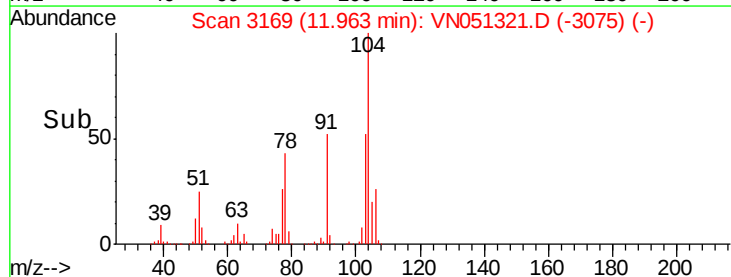
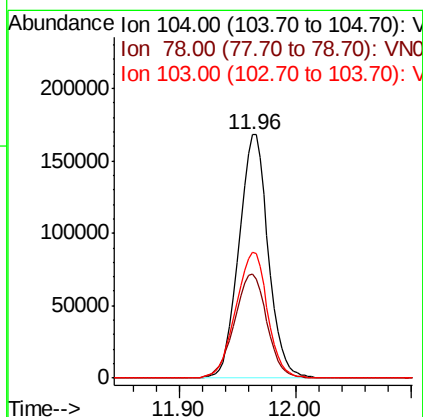
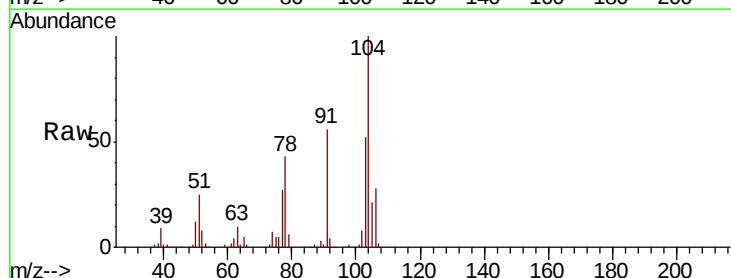
Instrument :
MSVOA_N
ClientSampled :

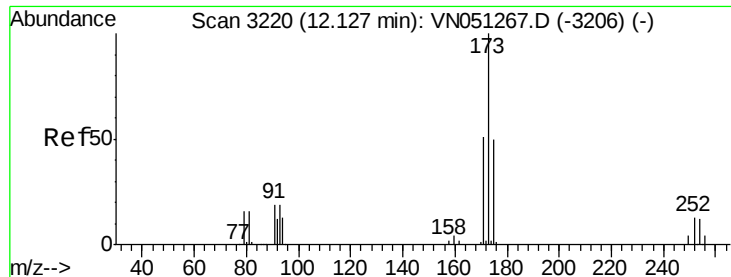
Tot Ion:106 Resp: 190704
Ion Ratio Lower Upper
106 100
91 205.0 104.1 312.3



#70
Styrene
Concen: 18.70 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion:104 Resp: 295727
Ion Ratio Lower Upper
104 100
78 47.3 38.1 57.1
103 56.1 44.8 67.2





#71

Bromoform

Concen: 20.39 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

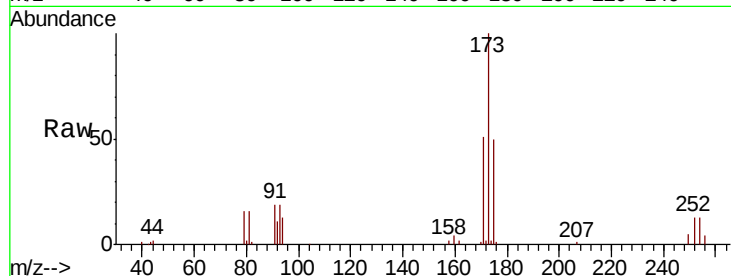
Tot Ion:173 Resp: 81056

Ion Ratio Lower Upper

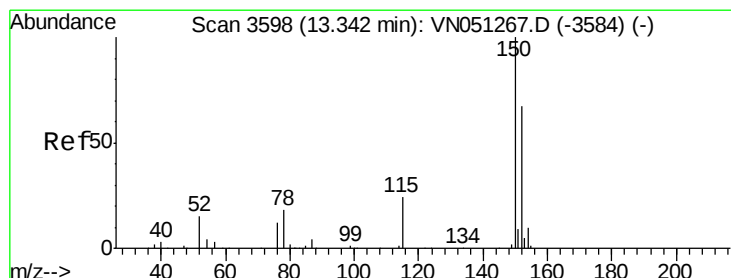
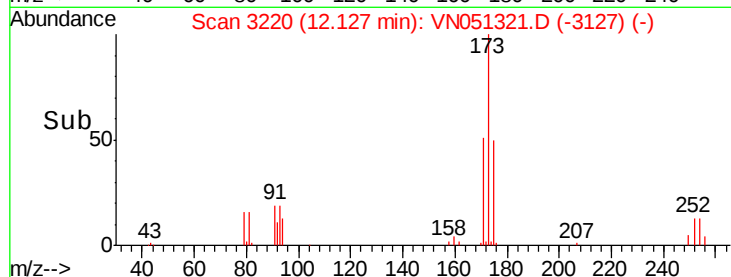
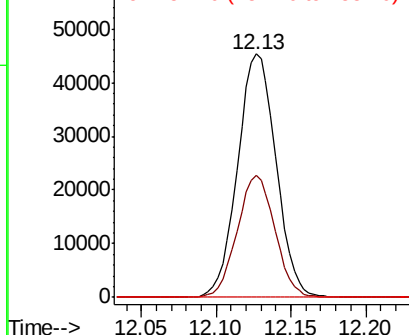
173 100

175 49.0 24.4 73.2

254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

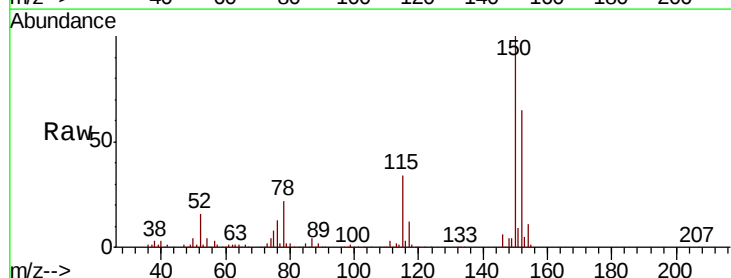
Tgt Ion:152 Resp: 296738

Ion Ratio Lower Upper

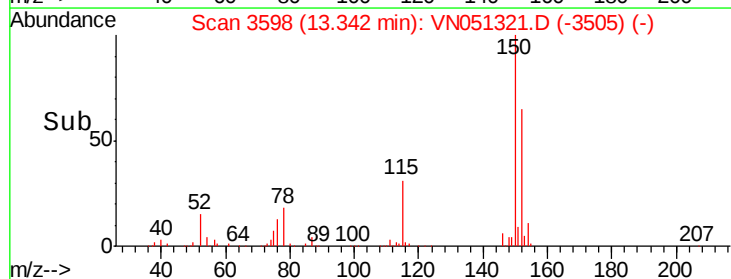
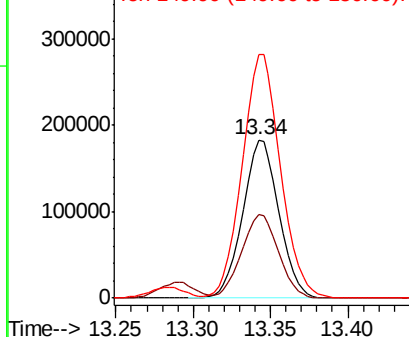
152 100

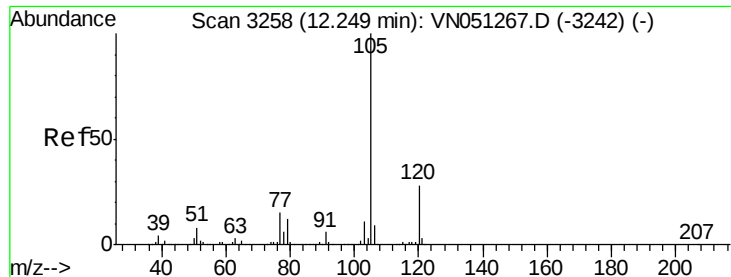
115 54.1 27.1 81.2

150 163.5 0.0 349.0



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





#73

Isopropylbenzene

Concen: 19.70 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

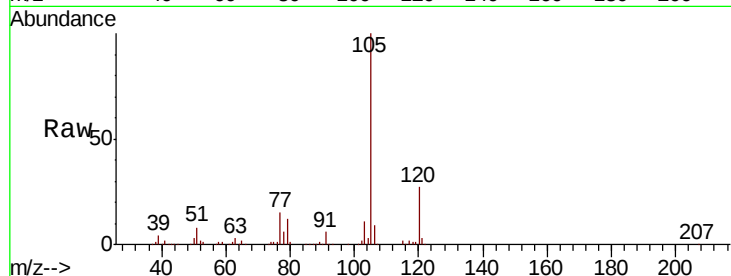
ClientSampleId :

Tot Ion:105 Resp: 493043

Ion Ratio Lower Upper

105 100

120 27.3 13.8 41.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

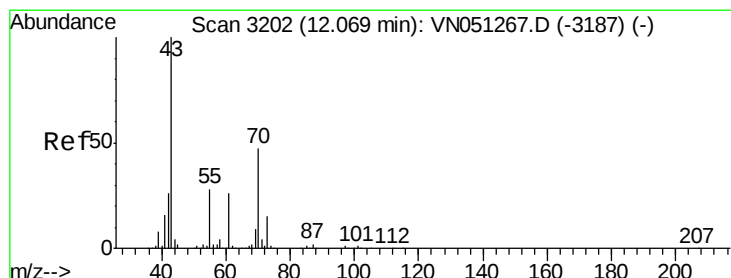
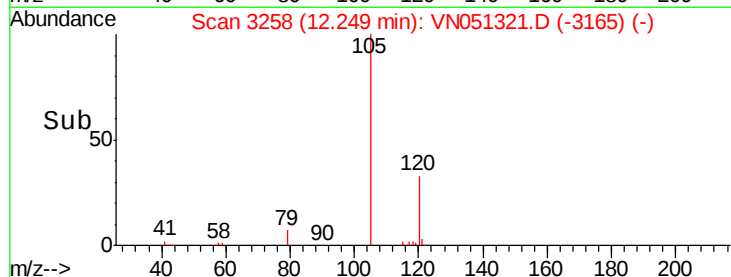
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 18.00 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Tgt Ion: 43 Resp: 92461

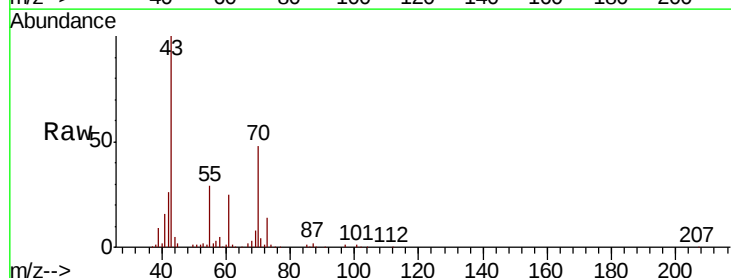
Ion Ratio Lower Upper

43 100

70 48.5 37.8 56.6

55 30.5 22.6 34.0

61 25.7 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

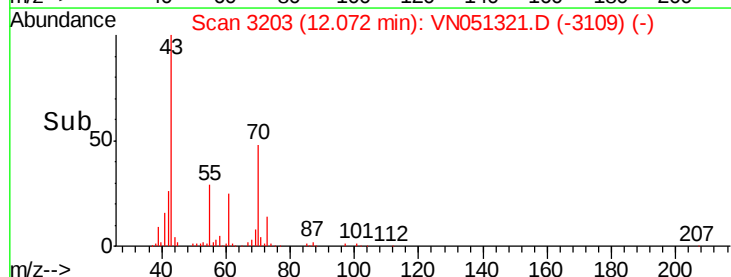
60000

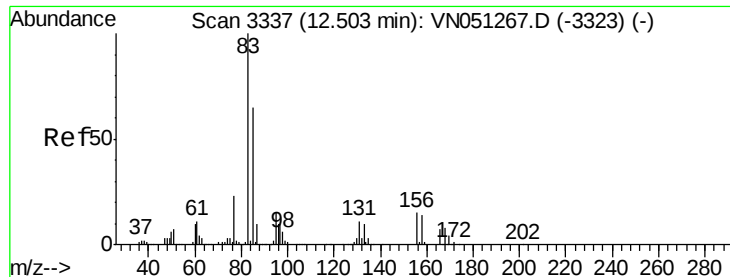
40000

20000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 21.17 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

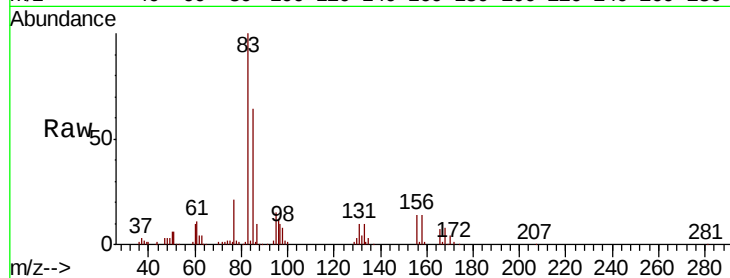
Tot Ion: 83 Resp: 118790

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.7

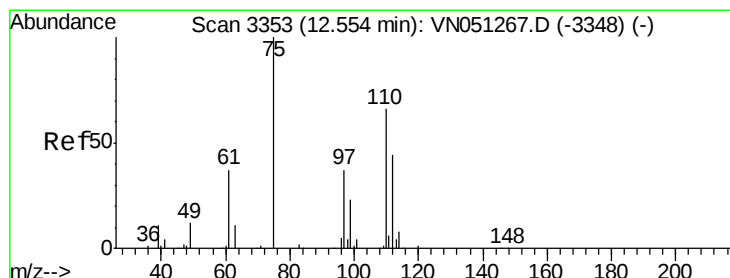
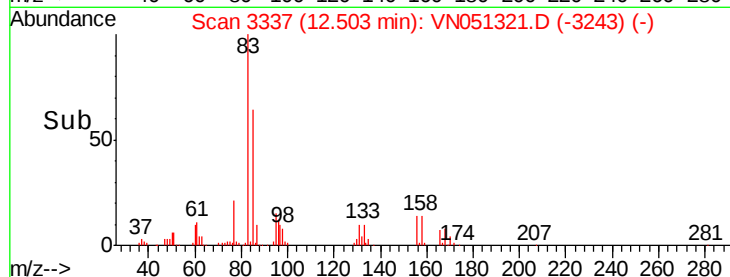
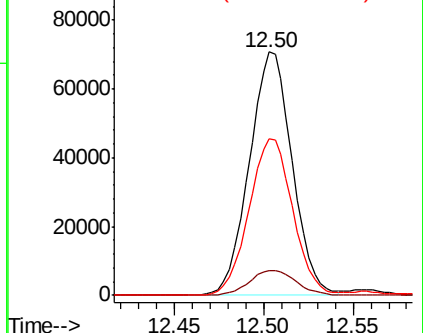
85 65.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN051321.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051321.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051321.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 32.39 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051321.D

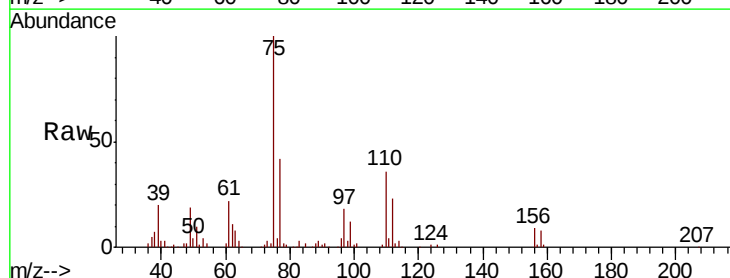
Acq: 19 Sep 2018 16:03

Tgt Ion: 75 Resp: 135406

Ion Ratio Lower Upper

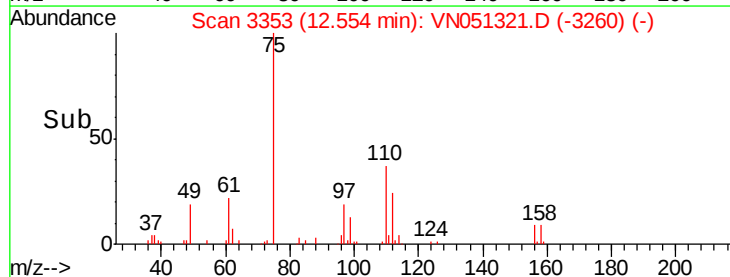
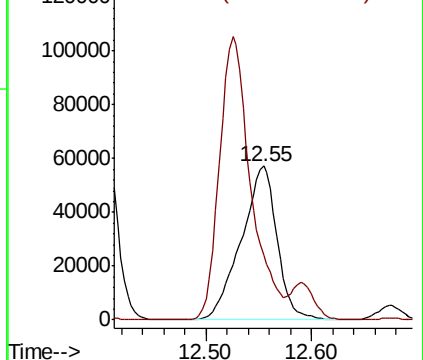
75 100

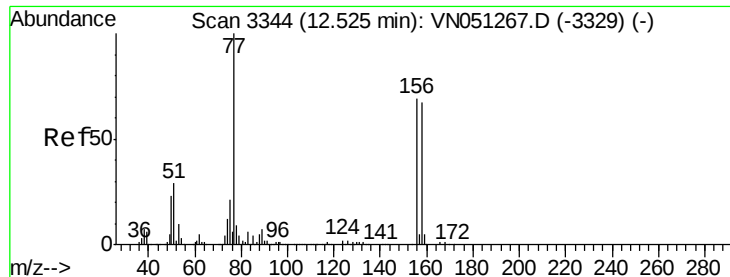
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051321.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051321.D (-3260) (-)





#77

Bromobenzene

Concen: 20.46 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampled :

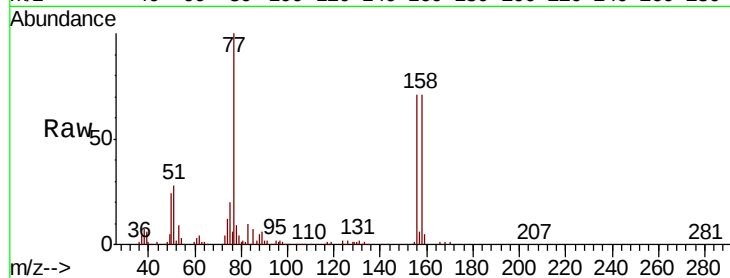
Tot Ion:156 Resp: 131366

Ion Ratio Lower Upper

156 100

77 165.0 83.7 251.1

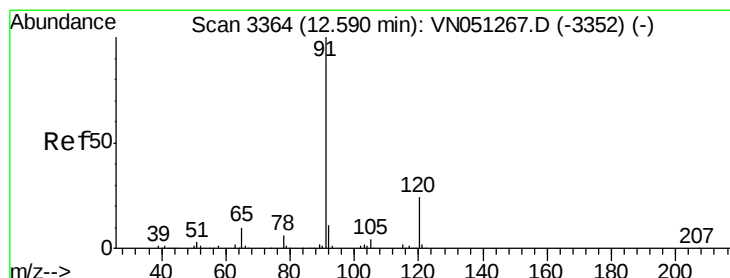
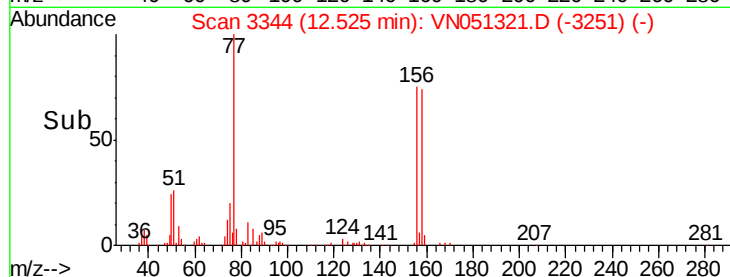
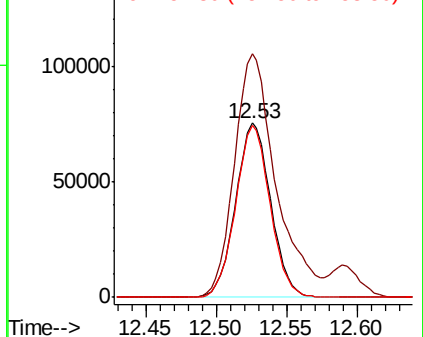
158 96.8 49.0 147.2



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: 19.66 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051321.D

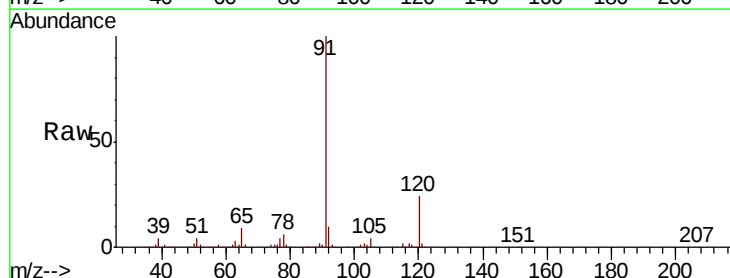
Acq: 19 Sep 2018 16:03

Tgt Ion: 91 Resp: 530657

Ion Ratio Lower Upper

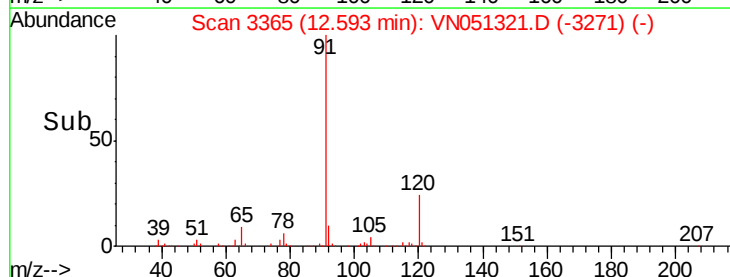
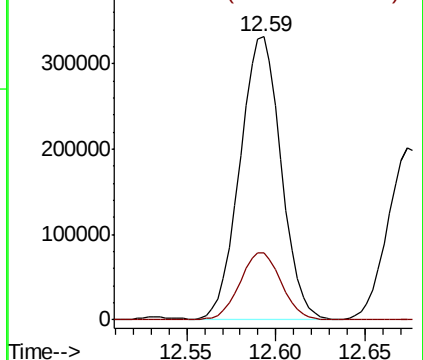
91 100

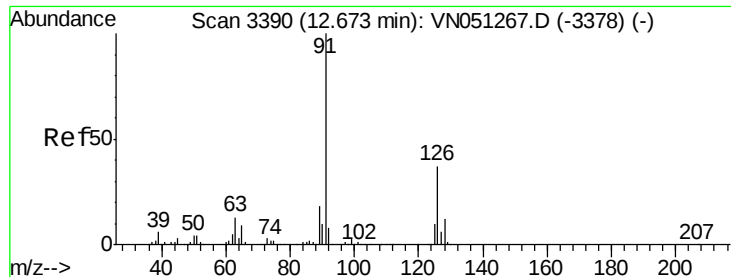
120 24.1 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.33 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

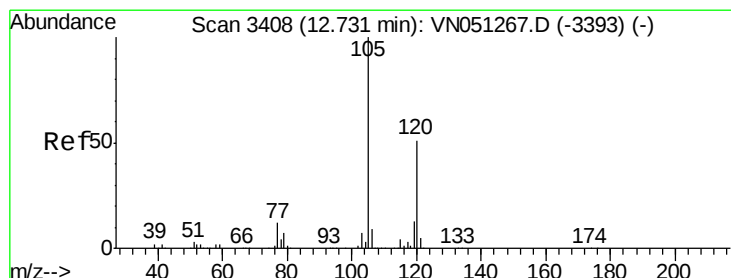
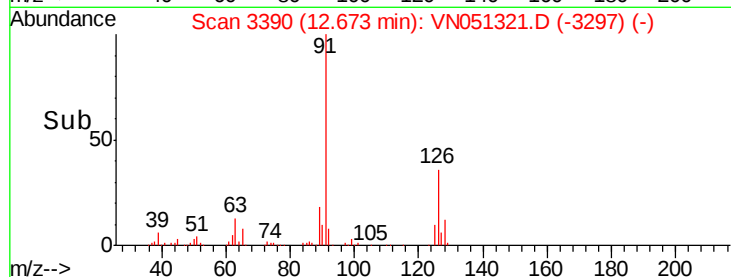
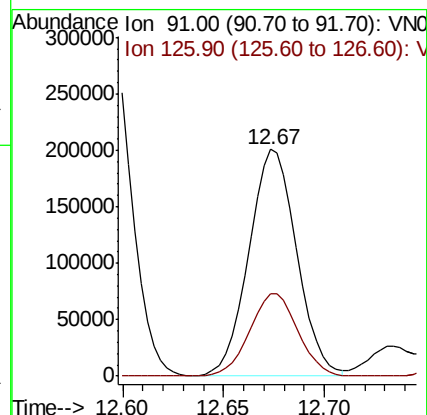
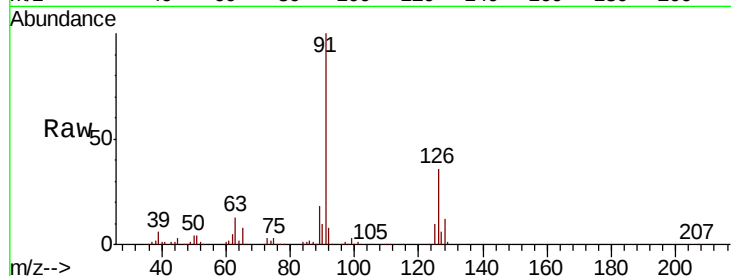
ClientSampleId :

Tot Ion: 91 Resp: 331680

Ion Ratio Lower Upper

91 100

126 37.0 18.2 54.6



#80

1,3,5-Trimethylbenzene

Concen: 20.33 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051321.D

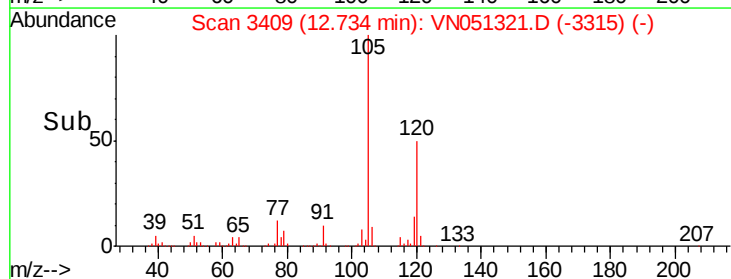
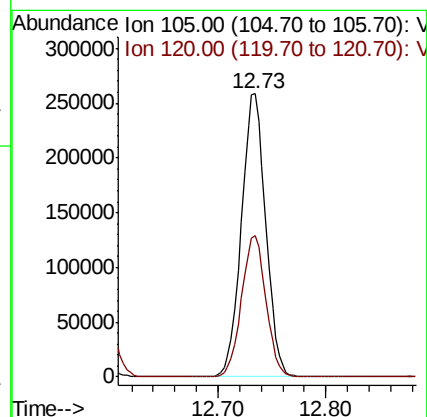
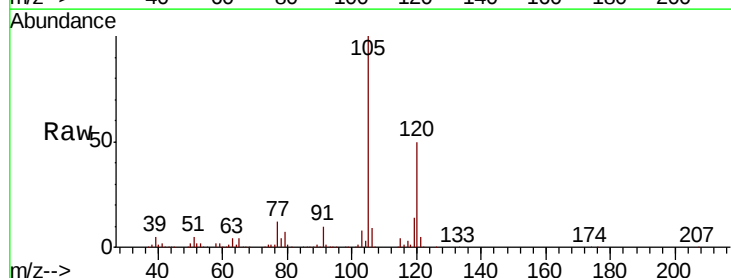
Acq: 19 Sep 2018 16:03

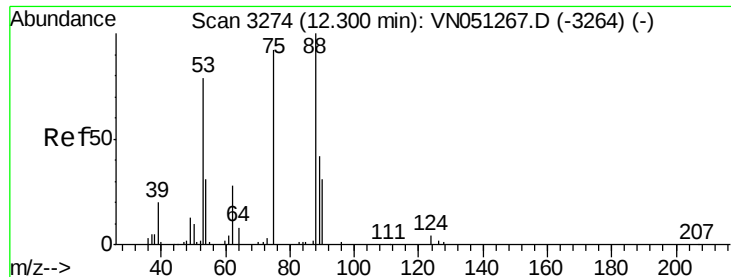
Tgt Ion: 105 Resp: 406664

Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.04 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

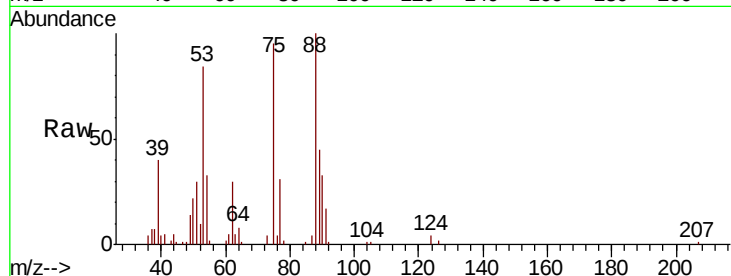
Tot Ion: 75 Resp: 25435

Ion Ratio Lower Upper

75 100

53 89.9 67.7 101.5

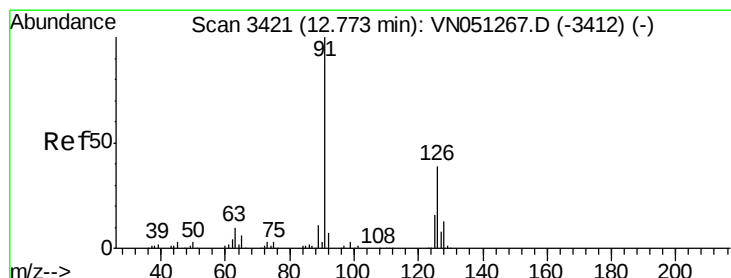
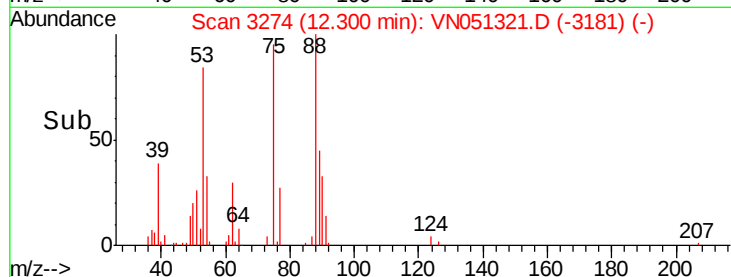
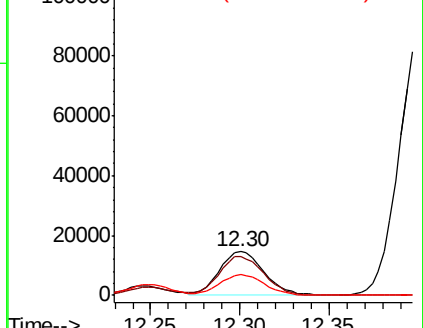
89 46.4 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN051321.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051321.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051321.D (-3181) (-)



#82

4-Chlorotoluene

Concen: 19.39 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051321.D

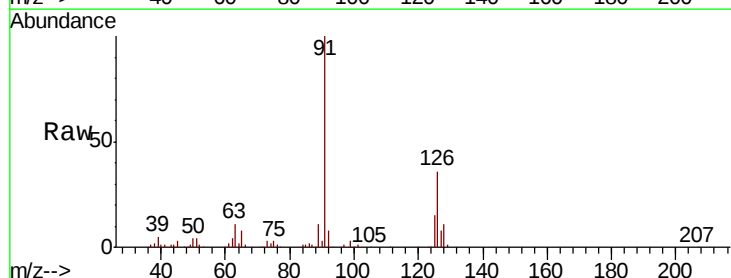
Acq: 19 Sep 2018 16:03

Tgt Ion: 91 Resp: 316548

Ion Ratio Lower Upper

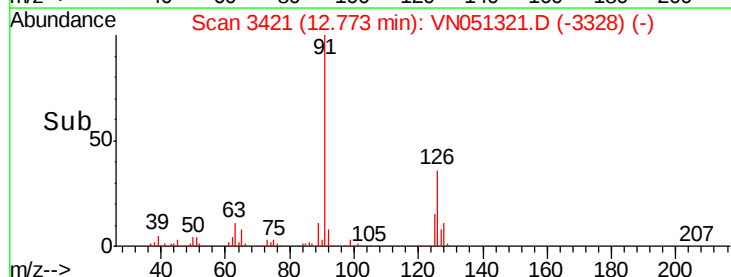
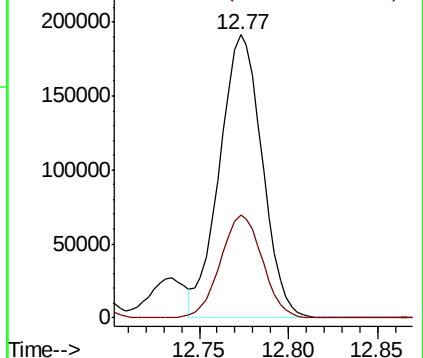
91 100

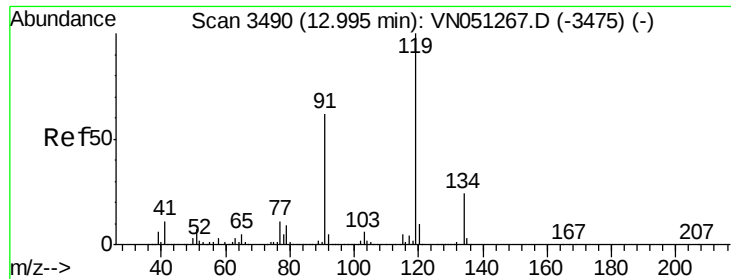
126 36.0 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VN051321.D (-3328) (-)

Ion 125.90 (125.60 to 126.60): VN051321.D (-3328) (-)

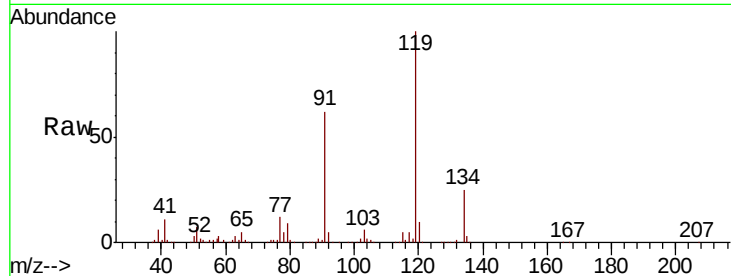




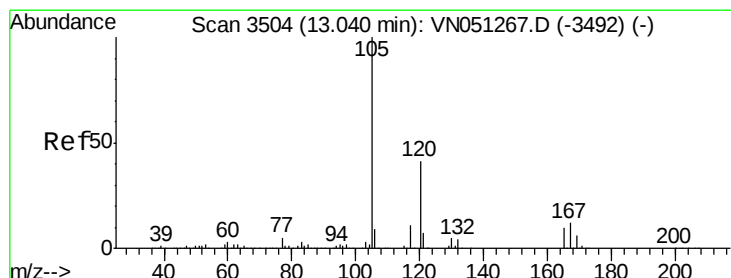
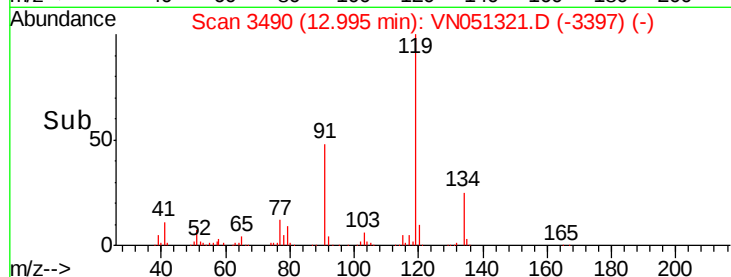
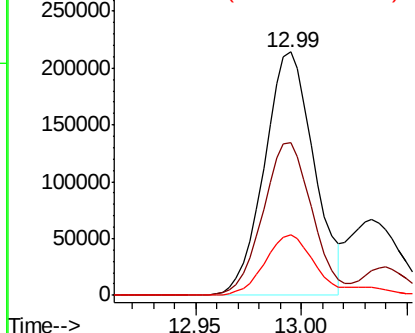
#83
 tert-Butylbenzene
 Concen: 19.81 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:119 Resp: 350203
 Ion Ratio Lower Upper
 119 100
 91 62.0 30.8 92.4
 134 27.5 12.4 37.0

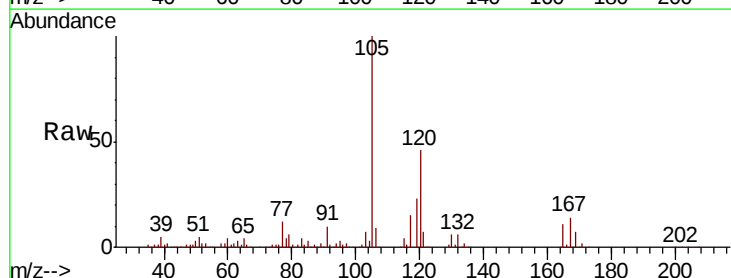


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

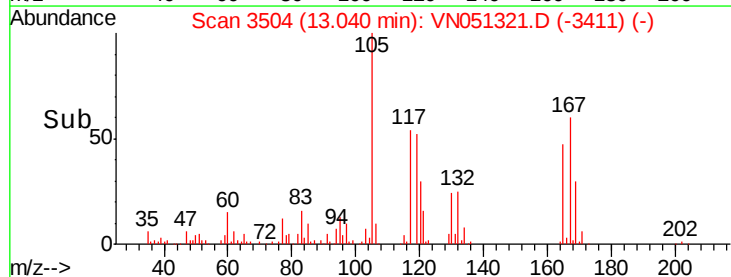
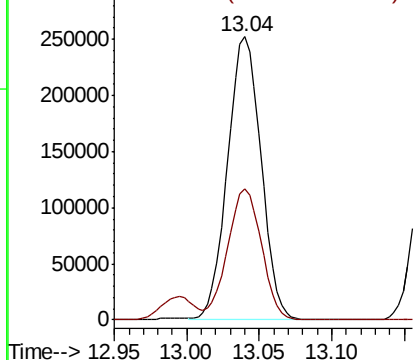


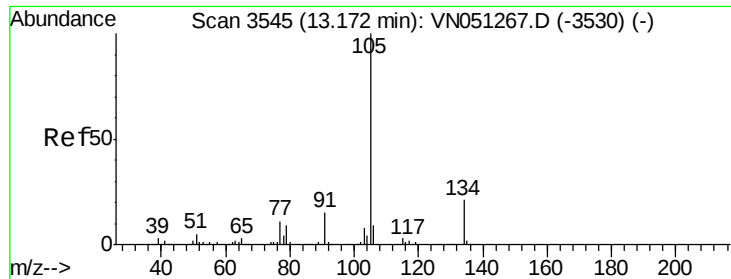
#84
 1,2,4-Trimethylbenzene
 Concen: 20.79 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion:105 Resp: 403931
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.5 70.6



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





#85

sec-Butylbenzene

Concen: 19.94 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

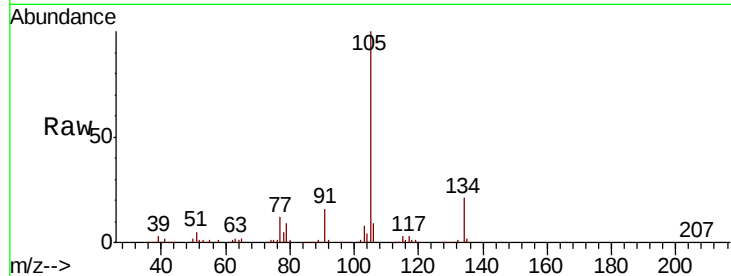
ClientSampleId :

Tot Ion:105 Resp: 447596

Ion Ratio Lower Upper

105 100

134 21.0 10.5 31.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

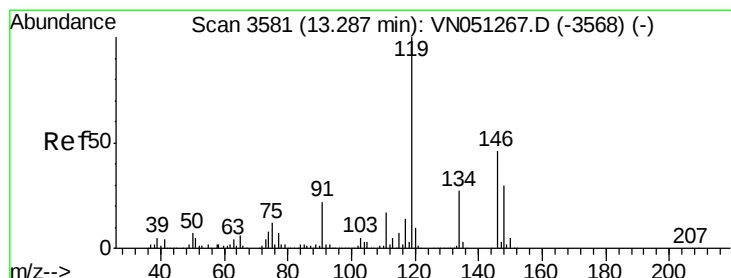
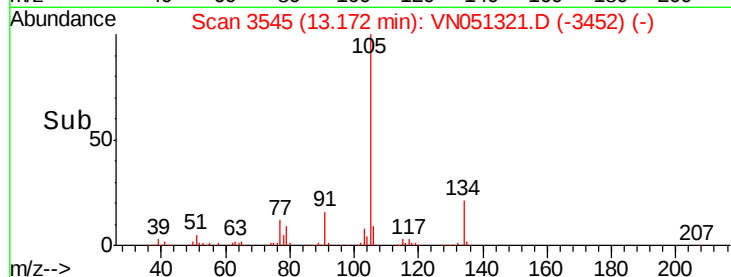
300000

200000

100000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.43 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

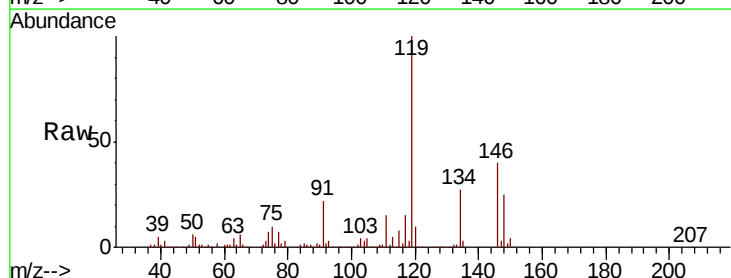
Tgt Ion:119 Resp: 384705

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.5

91 22.8 11.1 33.1



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

13.29

300000

250000

200000

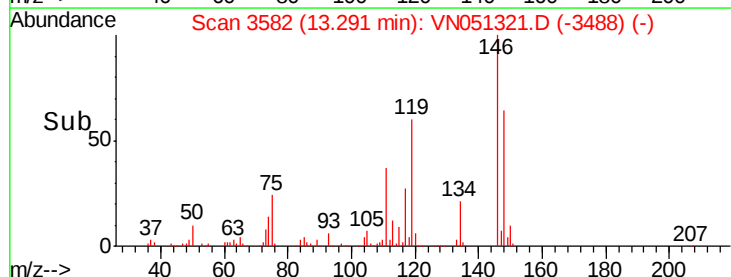
150000

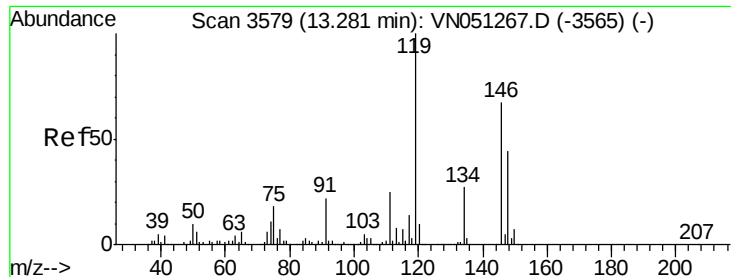
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

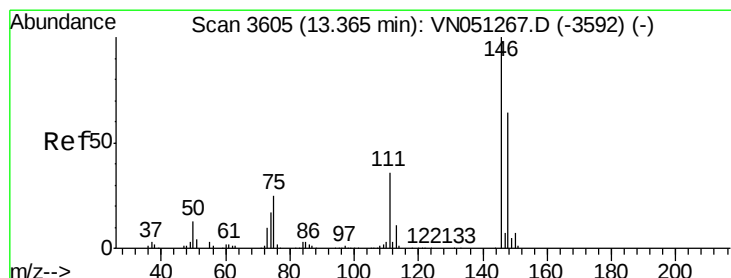
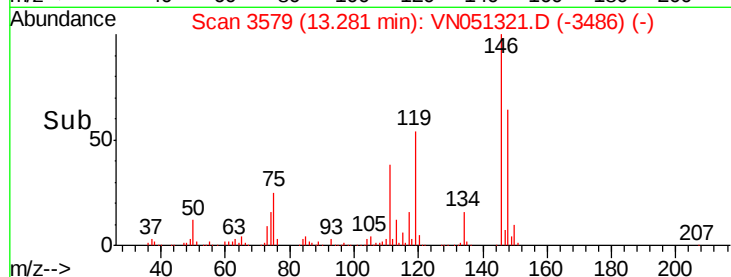
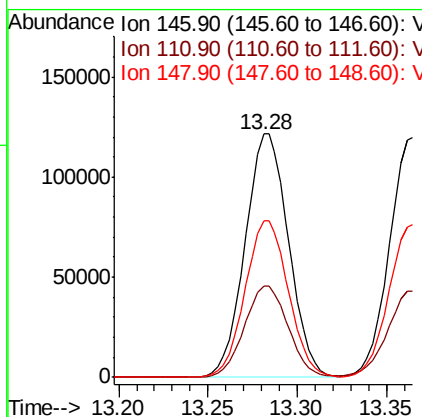
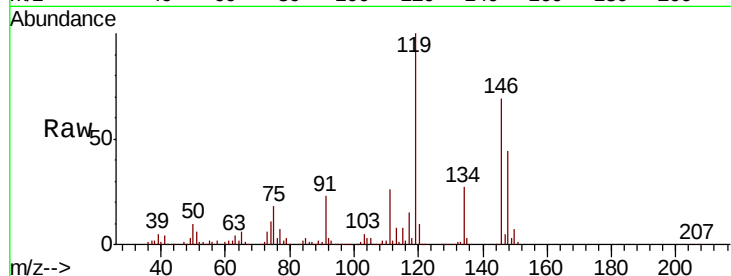




#87
 1,3-Dichlorobenzene
 Concen: 18.73 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

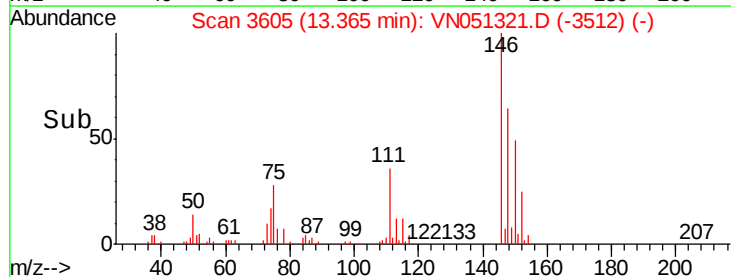
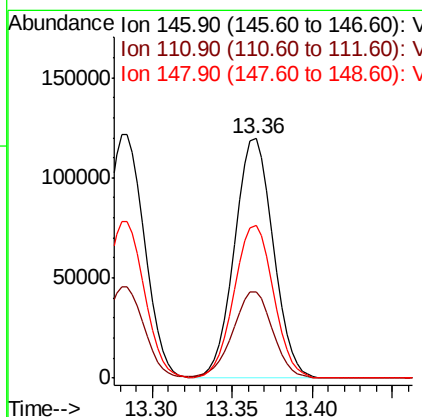
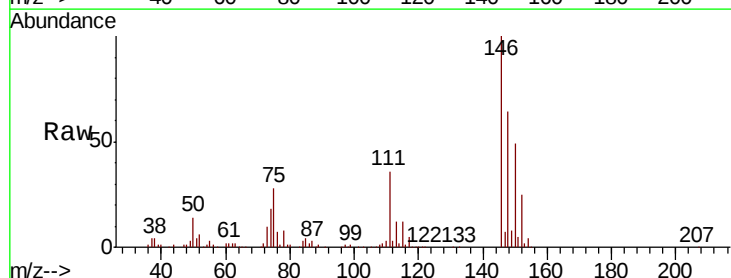
Instrument :
 MSVOA_N
 ClientSampleId :

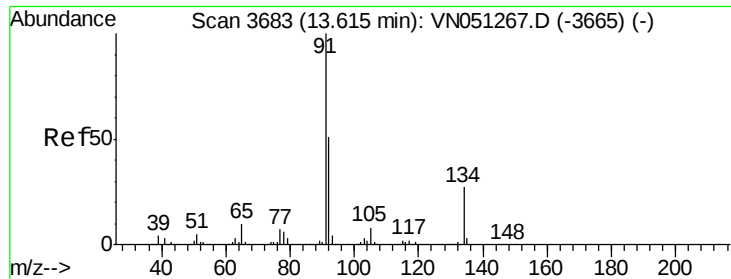
Tot Ion:146 Resp: 207049
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.7 56.1
 148 64.0 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 19.13 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion:146 Resp: 197697
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.2 54.6
 148 64.9 31.9 95.7

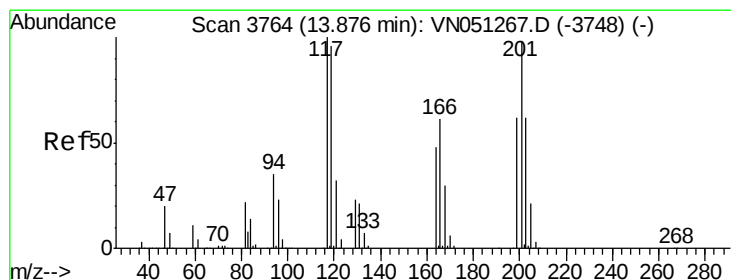
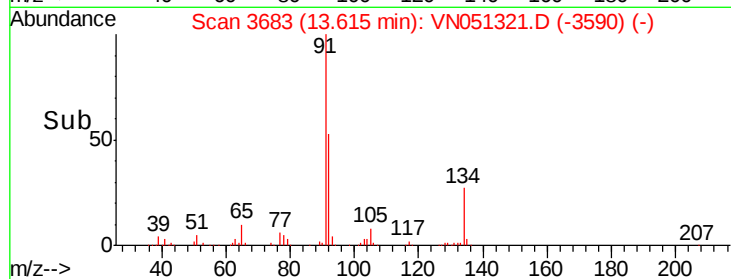
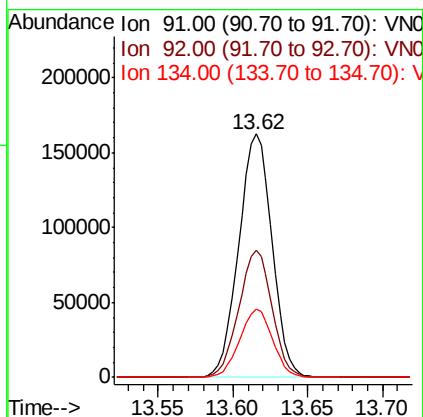
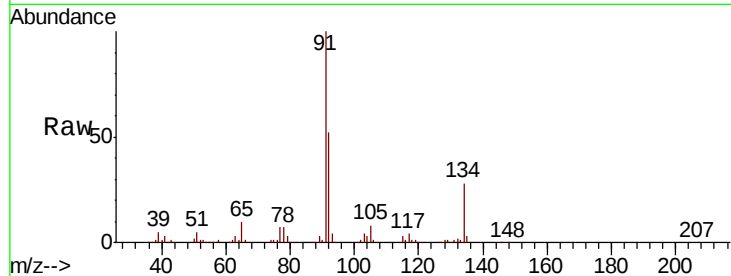




#89
n-Butylbenzene
Concen: 17.62 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

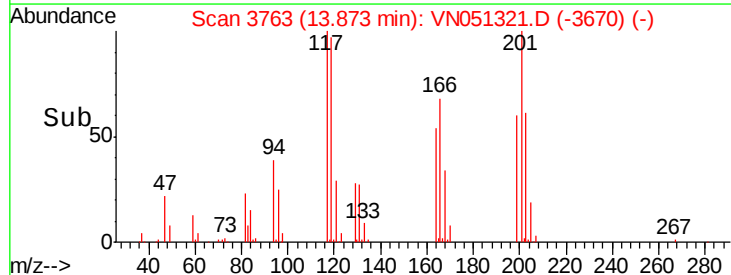
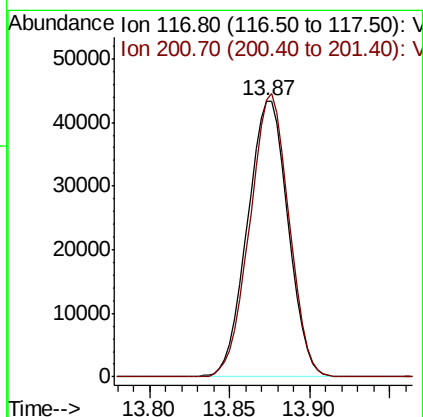
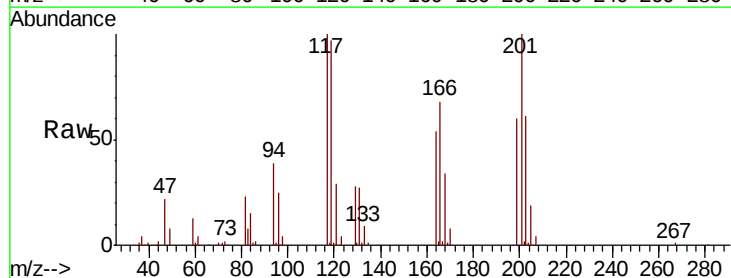
Instrument :
MSVOA_N
ClientSampled :

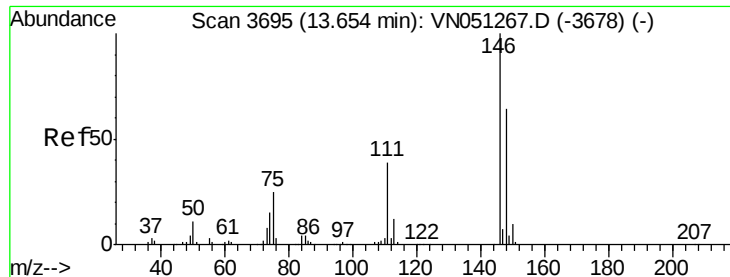
Tot Ion: 91 Resp: 251402
Ion Ratio Lower Upper
91 100
92 51.9 25.8 77.4
134 27.7 13.7 41.0



#90
Hexachloroethane
Concen: 20.13 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051321.D
Acq: 19 Sep 2018 16:03

Tgt Ion: 117 Resp: 75819
Ion Ratio Lower Upper
117 100
201 98.8 48.4 145.3

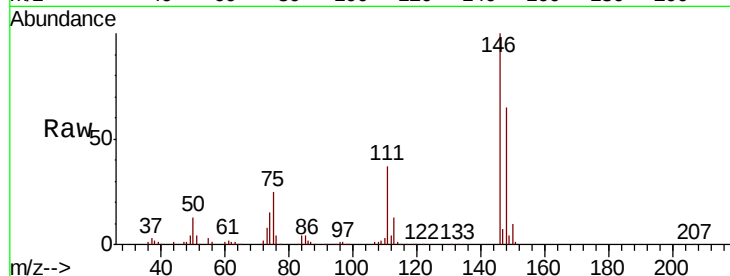




#91
 1,2-Dichlorobenzene
 Concen: 19.95 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.6	58.7
148	63.7	31.9	95.9

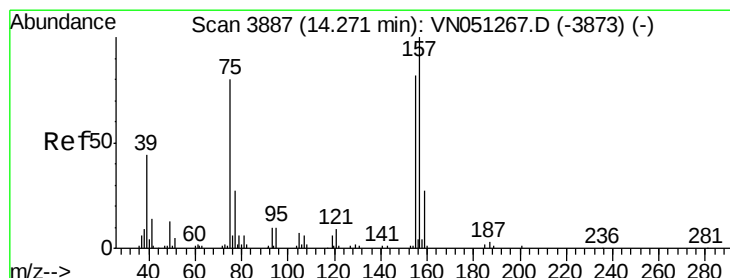
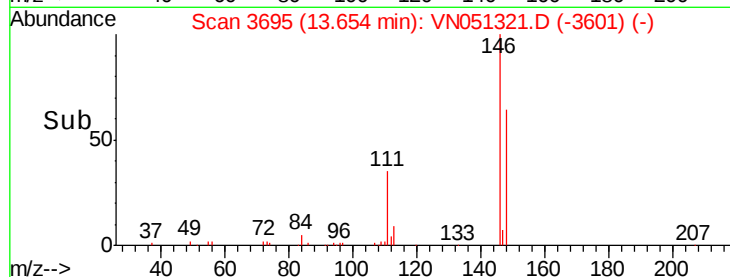
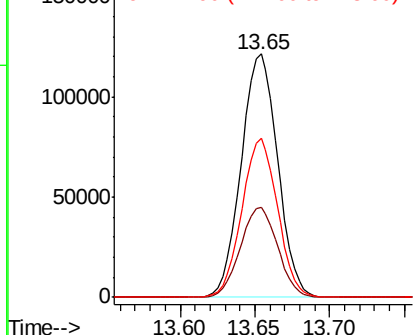


Abundance

Ion 145.90 (145.60 to 146.60): V

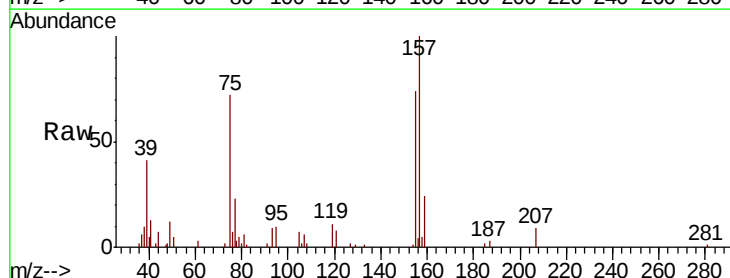
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.34 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	50.2	150.7
157	129.6	62.9	188.7

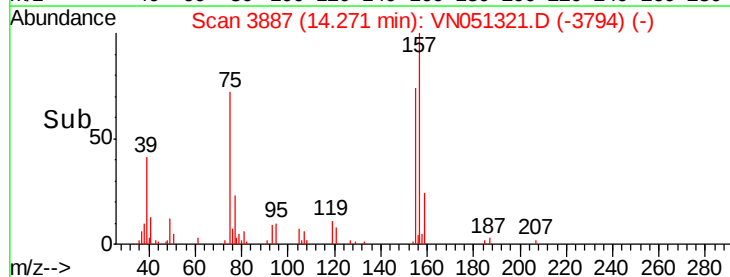
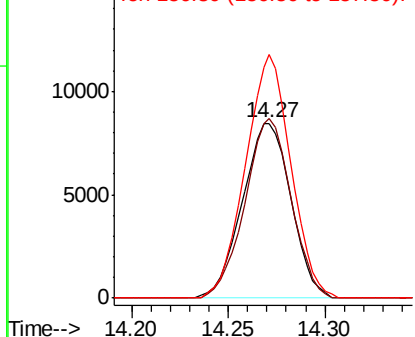


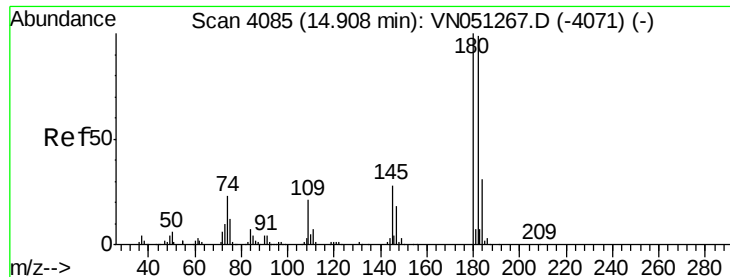
Abundance

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

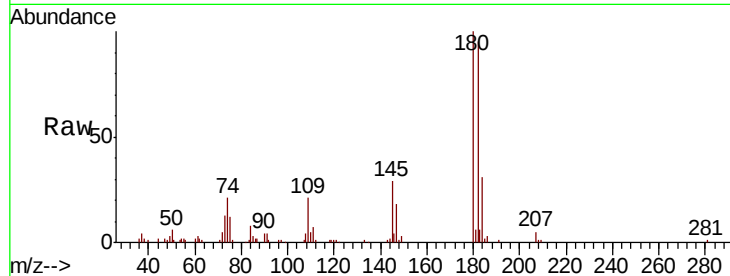




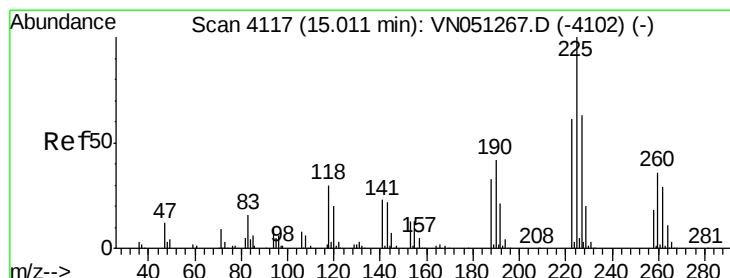
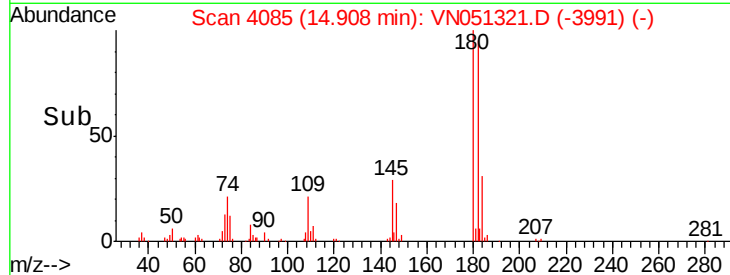
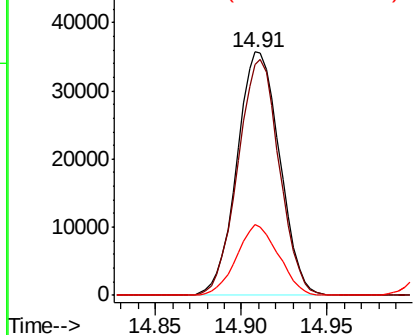
#93
 1,2,4-Trichlorobenzene
 Concen: 16.11 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 61625
 Ion Ratio Lower Upper
 180 100
 182 93.8 48.5 145.6
 145 28.5 14.0 41.9

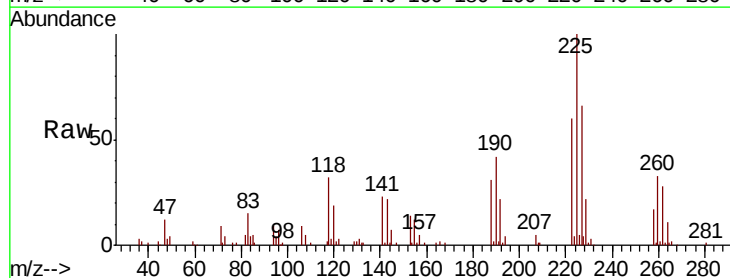


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

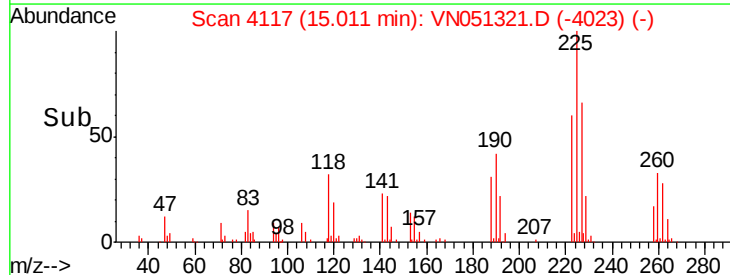
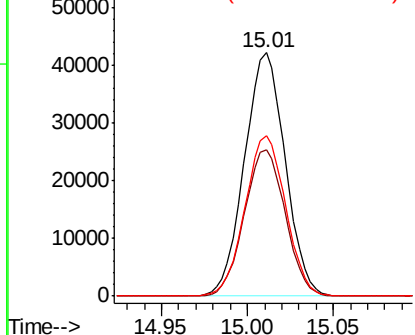


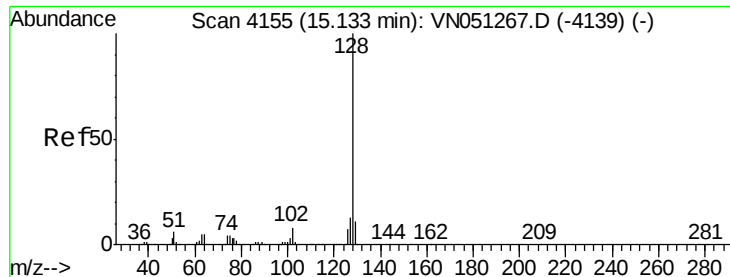
#94
 Hexachlorobutadiene
 Concen: 19.57 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051321.D
 Acq: 19 Sep 2018 16:03

Tgt Ion:225 Resp: 69283
 Ion Ratio Lower Upper
 225 100
 223 60.5 30.8 92.3
 227 65.7 32.1 96.3



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





#95

Naphthalene

Concen: 16.05 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

Instrument :

MSVOA_N

ClientSampleId :

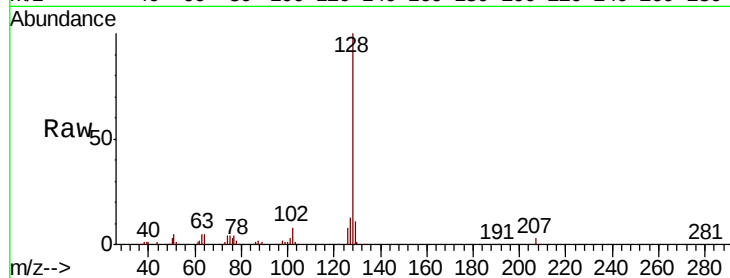
Tot Ion:128 Resp: 106691

Ion Ratio Lower Upper

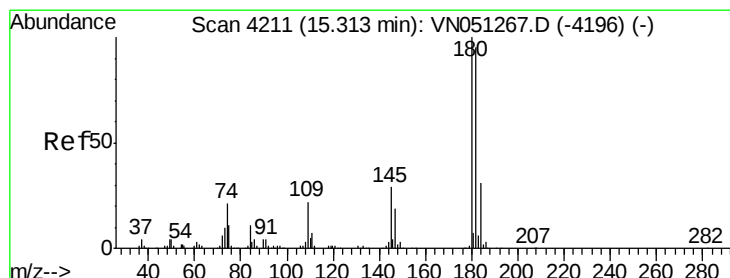
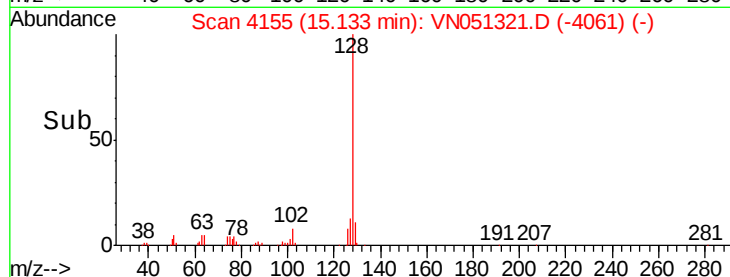
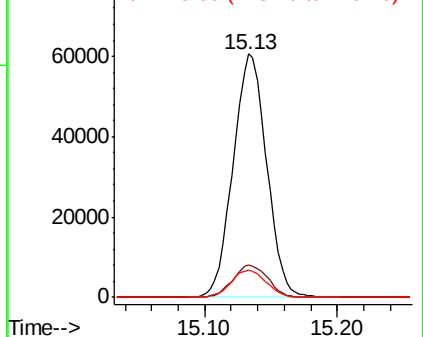
128 100

127 13.7 10.7 16.1

129 11.7 8.9 13.3



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: 17.44 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051321.D

Acq: 19 Sep 2018 16:03

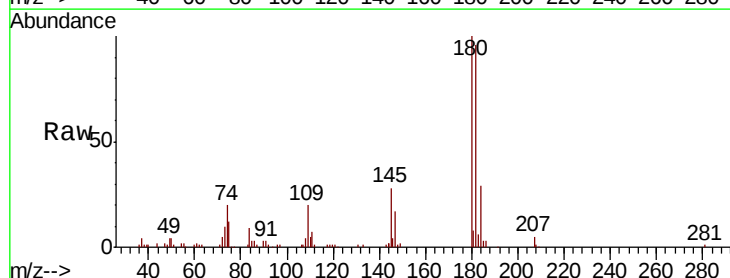
Tgt Ion:180 Resp: 69718

Ion Ratio Lower Upper

180 100

182 94.9 47.5 142.6

145 29.1 14.8 44.4



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

