

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\
 Data File : VN053559.D
 Acq On : 30 Jan 2019 9:19
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 31 06:57:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 31 05:27:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	697902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1086160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	927649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	419556	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	36784	5.25	ug/l	0.00
Spiked Amount			Recovery	=	10.50%	
35) Dibromofluoromethane	7.59	113	33711	4.91	ug/l	0.00
Spiked Amount			Recovery	=	9.82%	
50) Toluene-d8	10.09	98	124815	4.84	ug/l	0.00
Spiked Amount			Recovery	=	9.68%	
62) 4-Bromofluorobenzene	12.40	95	39114	4.55	ug/l	0.00
Spiked Amount			Recovery	=	9.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	28176	3.895	ug/l	99
3) Chloromethane	2.06	50	38675	4.668	ug/l	99
4) Vinyl Chloride	2.19	62	38098	4.737	ug/l	97
5) Bromomethane	2.57	94	25783	4.903	ug/l	91
6) Chloroethane	2.71	64	22800	4.961	ug/l	98
7) Trichlorofluoromethane	3.02	101	54760	5.021	ug/l	97
8) Diethyl Ether	3.42	74	20245	5.082	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	33739	5.002	ug/l	94
10) Methyl Iodide	3.95	142	49315	4.658	ug/l	99
11) Tert butyl alcohol	4.80	59	9825	23.712	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	31841	4.927	ug/l	98
13) Acrolein	3.62	56	1681	Below Cal	#	82
14) Allyl chloride	4.33	41	50726	4.930	ug/l	98
15) Acrylonitrile	5.00	53	57553	25.729	ug/l	99
16) Acetone	3.82	43	48744	27.143	ug/l	100
17) Carbon Disulfide	4.06	76	97890	4.864	ug/l	100
18) Methyl Acetate	4.33	43	27771	5.222	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	81709	4.987	ug/l	97
20) Methylene Chloride	4.55	84	38486	5.108	ug/l	93
21) trans-1,2-Dichloroethene	5.05	96	36445	5.227	ug/l	90
22) Diisopropyl ether	5.95	45	91315	4.789	ug/l #	89
23) Vinyl Acetate	5.90	43	311255	23.598	ug/l	100
24) 1,1-Dichloroethane	5.85	63	66001	5.190	ug/l	99
25) 2-Butanone	6.84	43	65999	25.768	ug/l	96
26) 2,2-Dichloropropane	6.82	77	49514	5.100	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	39784	5.131	ug/l	98
28) Bromochloromethane	7.20	49	27656	5.011	ug/l	93
29) Tetrahydrofuran	7.22	42	40630	24.704	ug/l	98
30) Chloroform	7.37	83	65641	5.207	ug/l	99
31) Cyclohexane	7.66	56	64010	5.255	ug/l #	77
32) 1,1,1-Trichloroethane	7.57	97	53562	5.105	ug/l	98
36) 1,1-Dichloropropene	7.79	75	48591	4.963	ug/l	98
37) Ethyl Acetate	6.93	43	27146	4.964	ug/l #	93
38) Carbon Tetrachloride	7.77	117	51007	5.171	ug/l	94

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 Data File : VN053559.D
 Acq On : 30 Jan 2019 9:19
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 31 06:57:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 31 05:27:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	53971	4.646	ug/l	96
40) Benzene	8.04	78	151128	5.005	ug/l	99
41) Methacrylonitrile	7.17	41	13011	4.257	ug/l #	83
42) 1,2-Dichloroethane	8.12	62	46416	5.177	ug/l	98
43) Isopropyl Acetate	8.17	43	53957	5.109	ug/l #	82
44) Trichloroethene	8.84	130	43627	5.075	ug/l	99
45) 1,2-Dichloropropane	9.12	63	38748	5.017	ug/l	96
46) Dibromomethane	9.21	93	23728	5.097	ug/l	99
47) Bromodichloromethane	9.40	83	48033	4.962	ug/l #	97
48) Methyl methacrylate	9.20	41	24099	4.781	ug/l	96
49) 1,4-Dioxane	9.21	88	6395	123.225	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	120397	23.200	ug/l	100
52) Toluene	10.16	92	88902	4.961	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	44928	4.635	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	54155	4.715	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	32352	5.010	ug/l	95
56) Ethyl methacrylate	10.43	69	33361	4.367	ug/l	100
57) 1,3-Dichloropropane	10.71	76	55686	5.046	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	98712	28.178	ug/l	100
59) 2-Hexanone	10.75	43	79509	22.569	ug/l	100
60) Dibromochloromethane	10.90	129	35220	4.837	ug/l	98
61) 1,2-Dibromoethane	11.01	107	31801	4.976	ug/l	100
64) Tetrachloroethene	10.63	164	40812	5.132	ug/l	97
65) Chlorobenzene	11.43	112	101337	5.143	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	34818	5.060	ug/l	98
67) Ethyl Benzene	11.51	91	159771	4.936	ug/l	99
68) m/p-Xylenes	11.62	106	121448	9.831	ug/l	99
69) o-Xylene	11.95	106	58863	4.932	ug/l	100
70) Styrene	11.96	104	92120	4.762	ug/l	99
71) Bromoform	12.13	173	22018	4.667	ug/l #	99
73) Isopropylbenzene	12.25	105	153460	5.203	ug/l	99
74) N-amyl acetate	12.07	43	34933	4.925	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	37526	5.316	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	41612	7.722	ug/l #	100
77) Bromobenzene	12.53	156	40352	5.076	ug/l	99
78) n-propylbenzene	12.59	91	172711	5.065	ug/l	98
79) 2-Chlorotoluene	12.67	91	104722	5.177	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	124745	5.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	8967	4.679	ug/l	92
82) 4-Chlorotoluene	12.77	91	106263	5.119	ug/l	99
83) tert-Butylbenzene	12.99	119	112296	5.195	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	127725	5.126	ug/l	98
85) sec-Butylbenzene	13.17	105	153728	5.226	ug/l	99
86) p-Isopropyltoluene	13.29	119	129558	5.036	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	72219	5.054	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	70228	4.968	ug/l	95
89) n-Butylbenzene	13.62	91	107175	4.813	ug/l	100
90) Hexachloroethane	13.87	117	20947	4.936	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	70372	5.144	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4871	4.842	ug/l	95

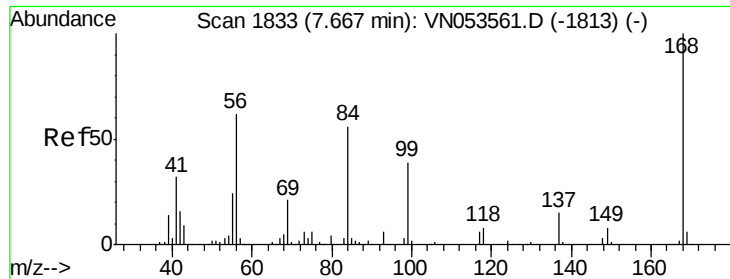
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013019\
Data File : VN053559.D
Acq On : 30 Jan 2019 9:19
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jan 31 06:57:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 31 05:27:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34991	4.460	ug/l	96
94) Hexachlorobutadiene	15.01	225	25704	5.261	ug/l	99
95) Naphthalene	15.13	128	65445	5.164	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	32099	4.409	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

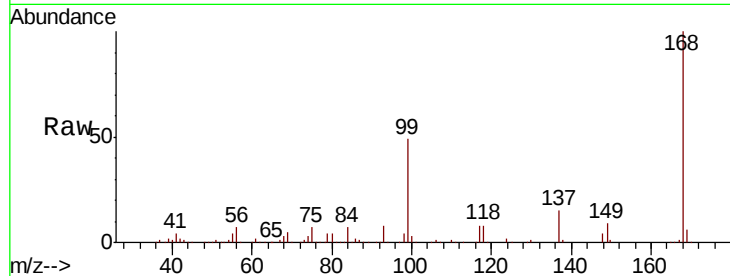
VSTDIC005

Tot Ion:168 Resp: 697902

Ion Ratio Lower Upper

168 100

99 48.1 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

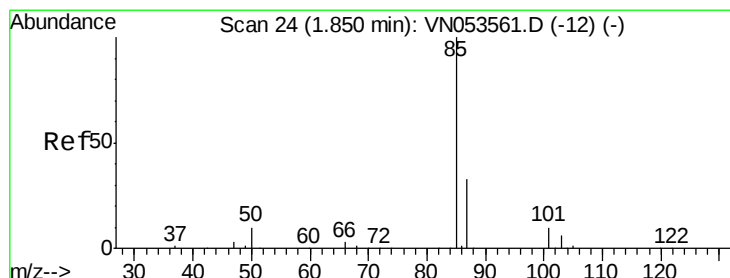
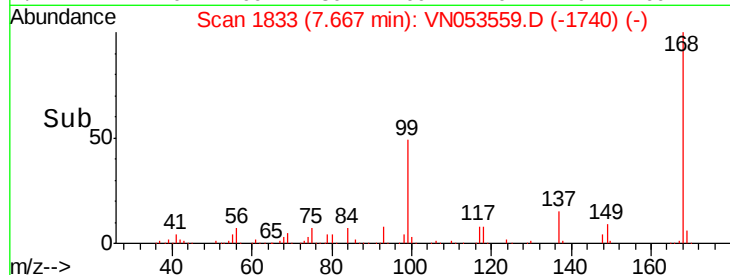
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 3.895 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053559.D

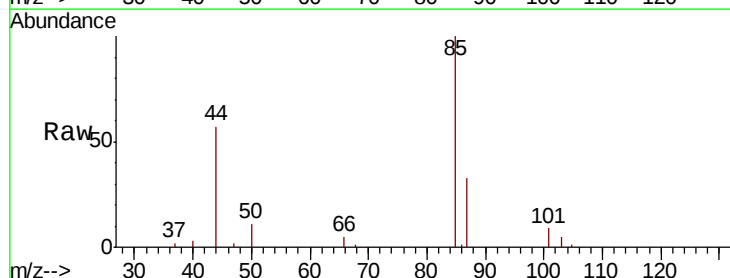
Acq: 30 Jan 2019 9:19

Tgt Ion: 85 Resp: 28176

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

20000

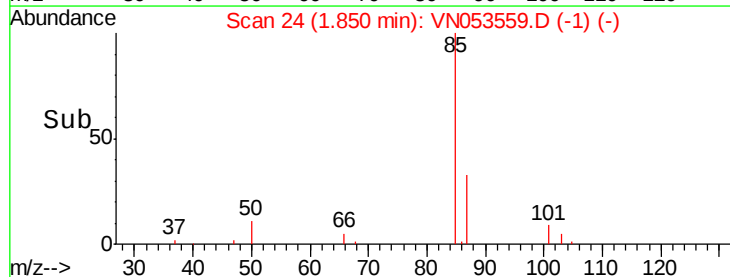
15000

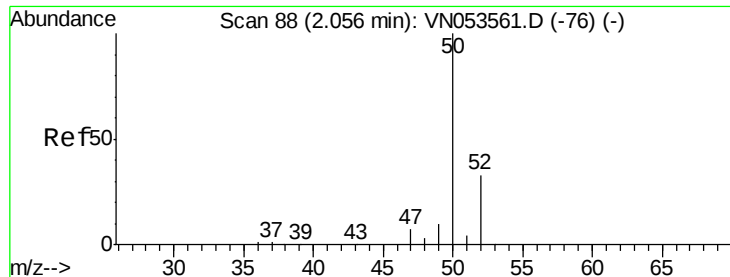
10000

5000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 4.668 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

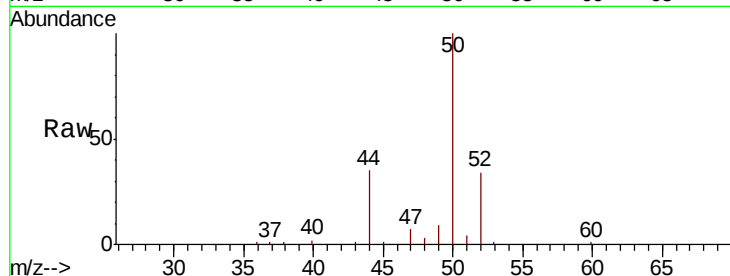
VSTDIC005

Tot Ion: 50 Resp: 38675

Ion Ratio Lower Upper

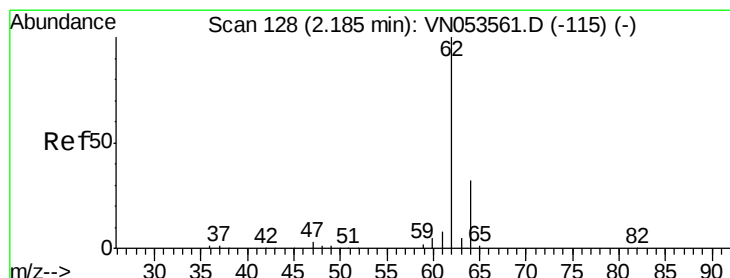
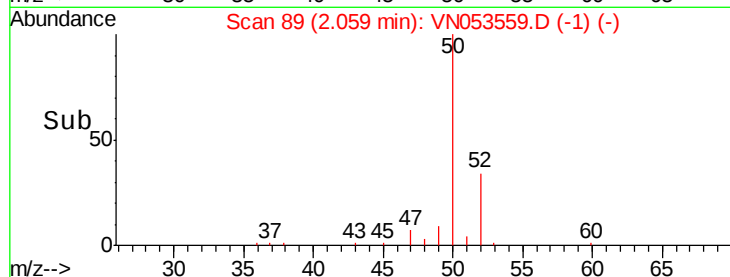
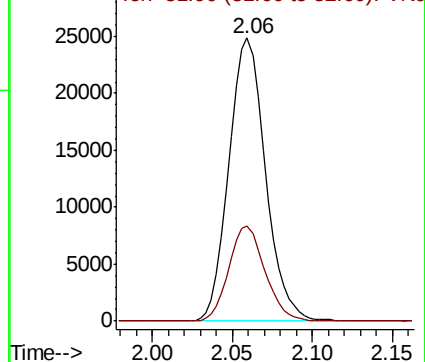
50 100

52 33.7 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 4.737 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053559.D

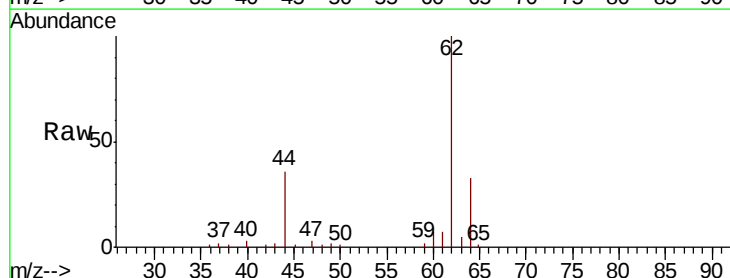
Acq: 30 Jan 2019 9:19

Tgt Ion: 62 Resp: 38098

Ion Ratio Lower Upper

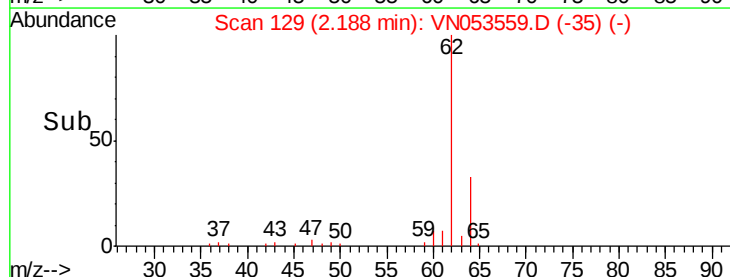
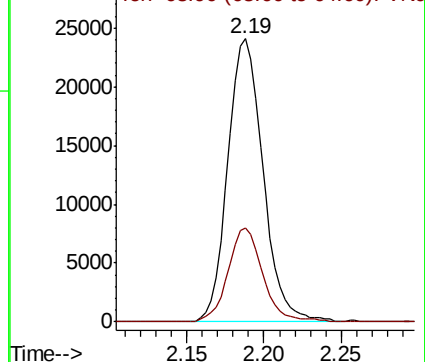
62 100

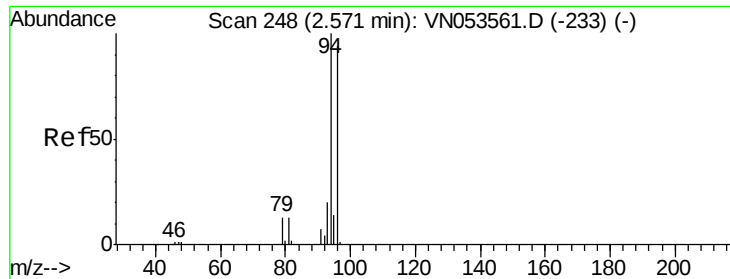
64 33.3 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 4.903 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

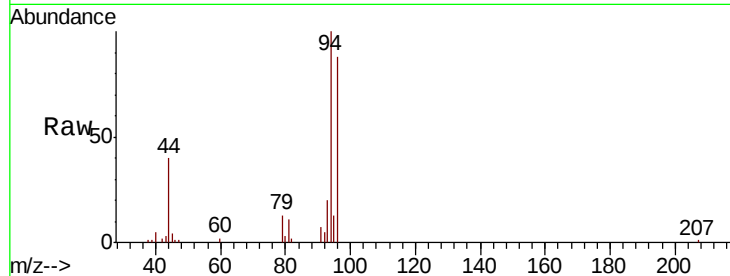
VSTDIC005

Tot Ion: 94 Resp: 25783

Ion Ratio Lower Upper

94 100

96 87.6 76.8 115.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

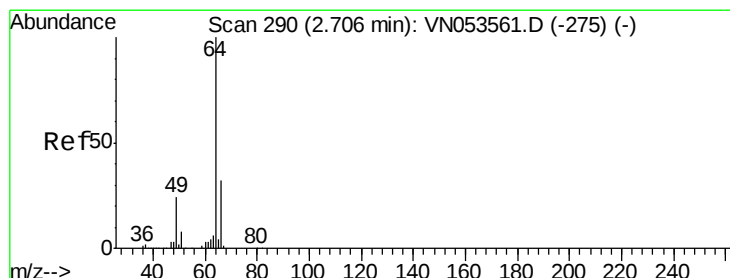
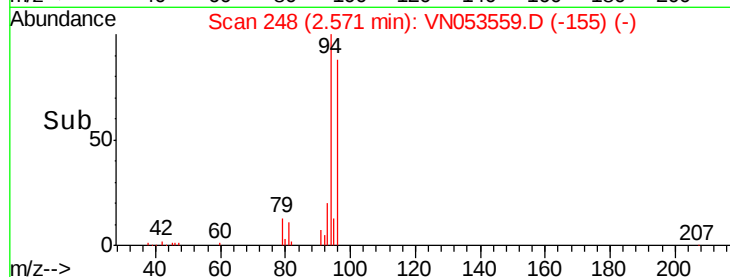
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 4.961 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053559.D

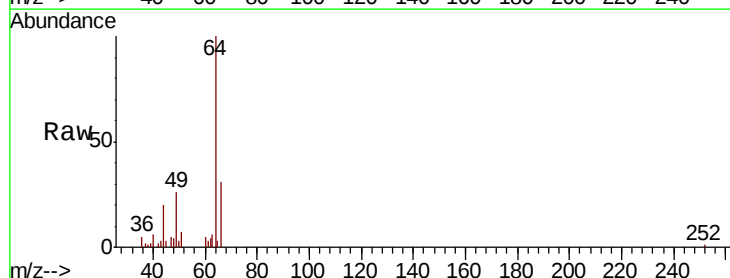
Acq: 30 Jan 2019 9:19

Tgt Ion: 64 Resp: 22800

Ion Ratio Lower Upper

64 100

66 30.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

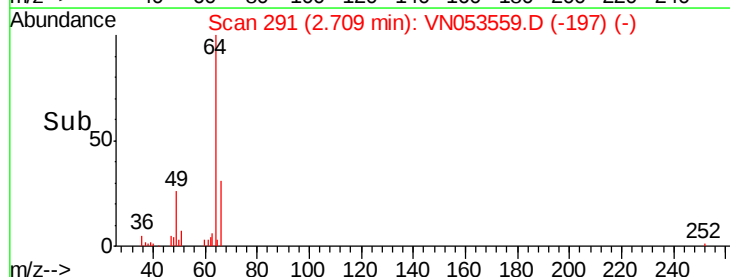
2.71

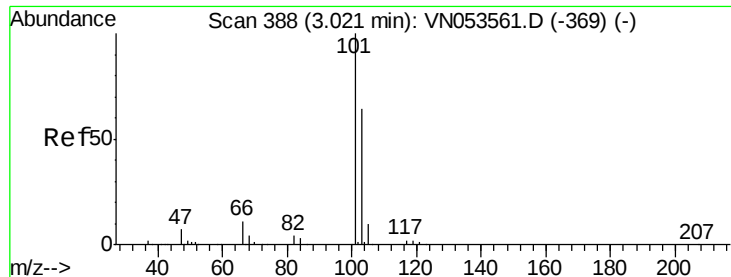
10000

5000

0

Time-->



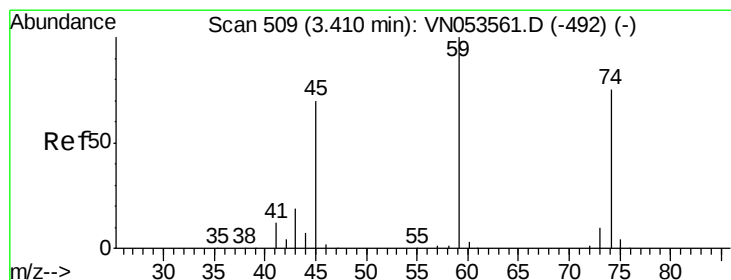
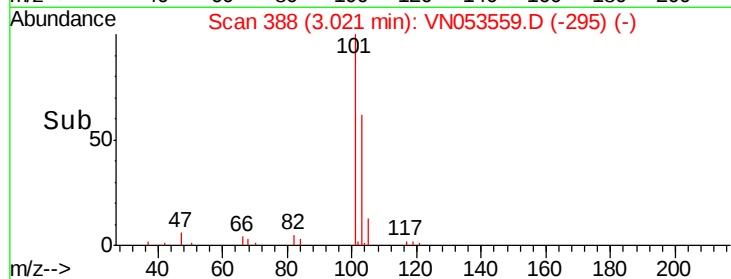
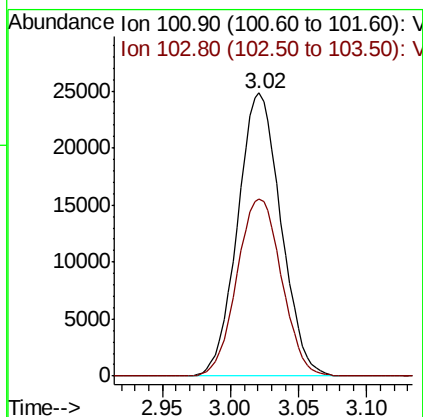
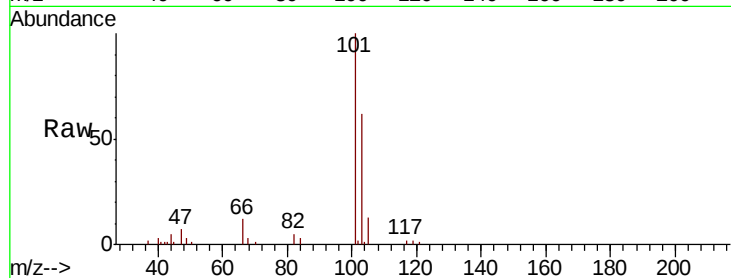


#7

Trichlorofluoromethane
 Concen: 5.021 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

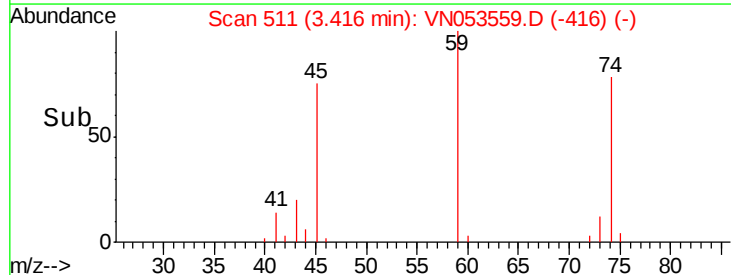
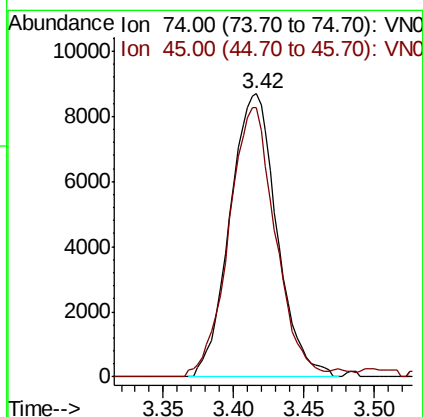
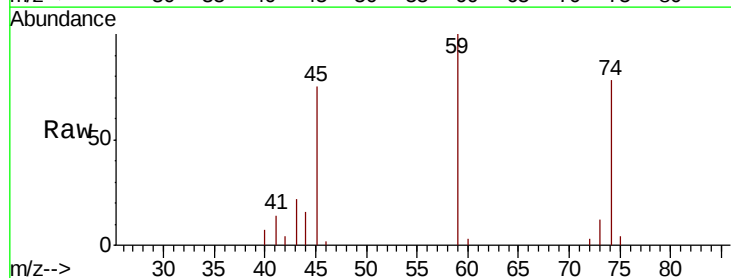
Tot Ion:101 Resp: 54760
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.6 77.4

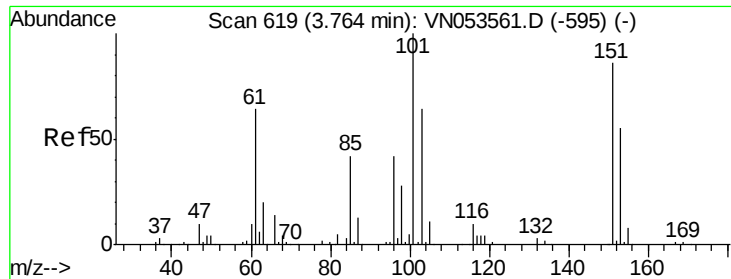


#8

Diethyl Ether
 Concen: 5.082 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 74 Resp: 20245
 Ion Ratio Lower Upper
 74 100
 45 94.4 47.9 143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.002 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

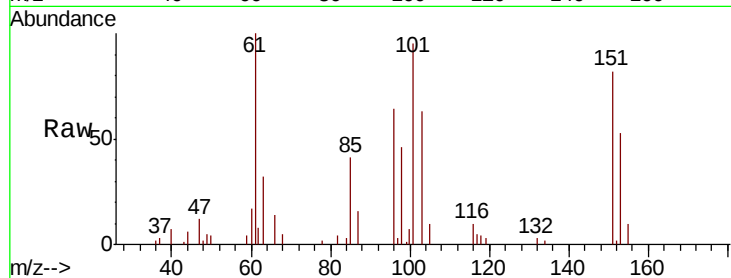
Tot Ion:101 Resp: 33739

Ion Ratio Lower Upper

101 100

85 42.7 32.8 49.2

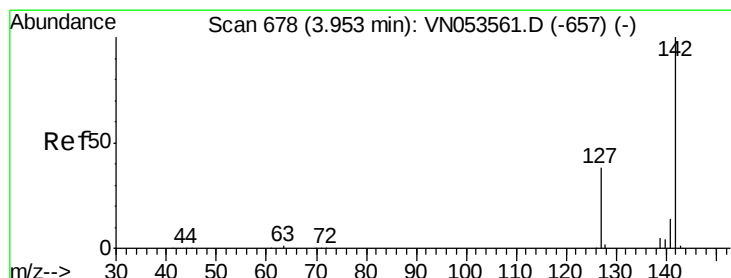
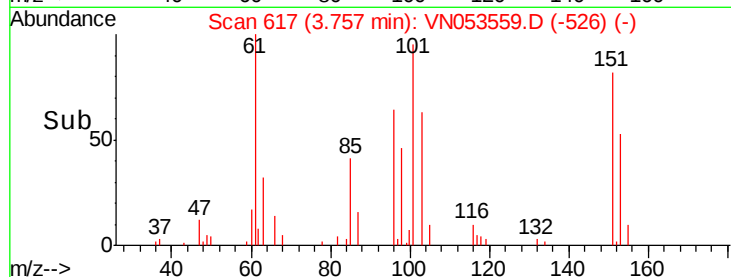
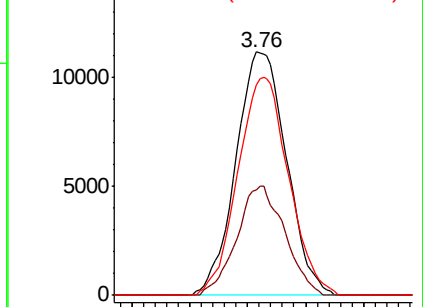
151 89.8 66.9 100.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.658 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

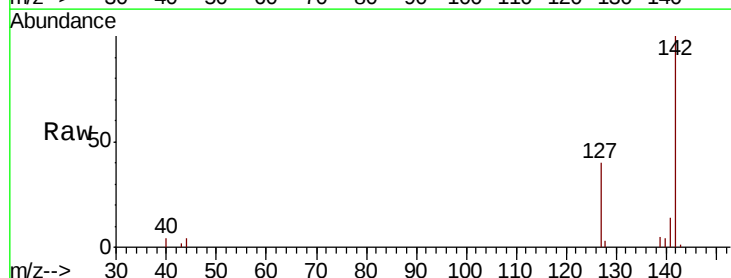
Tgt Ion:142 Resp: 49315

Ion Ratio Lower Upper

142 100

127 39.7 31.0 46.4

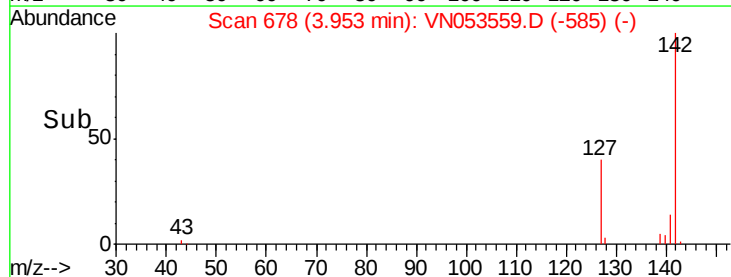
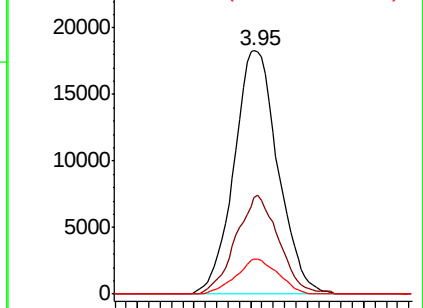
141 13.9 11.1 16.7

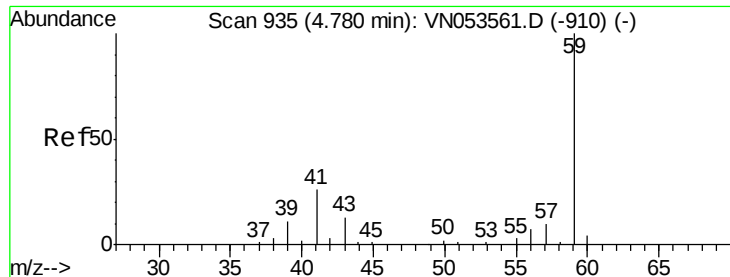


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

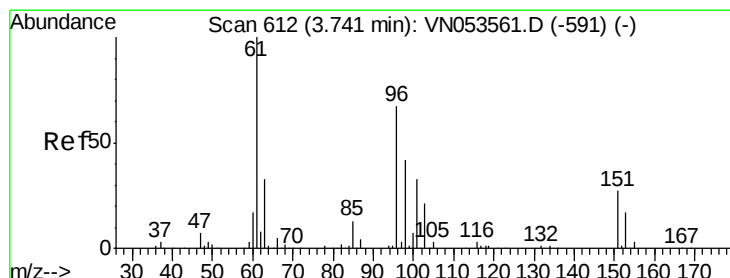
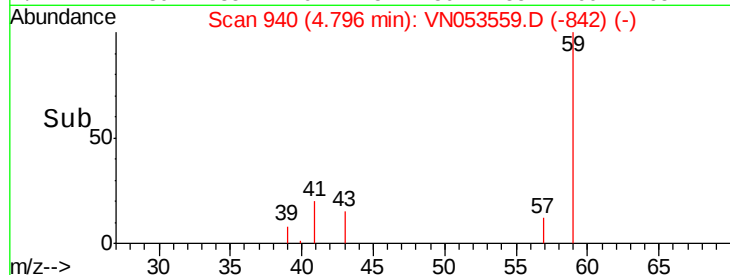
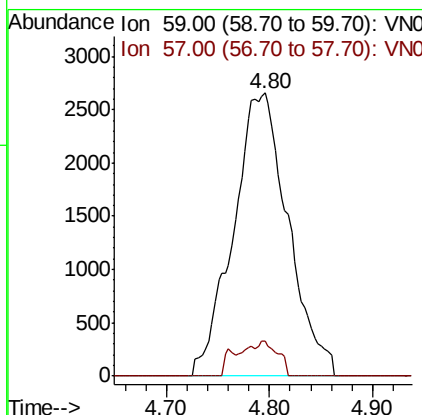
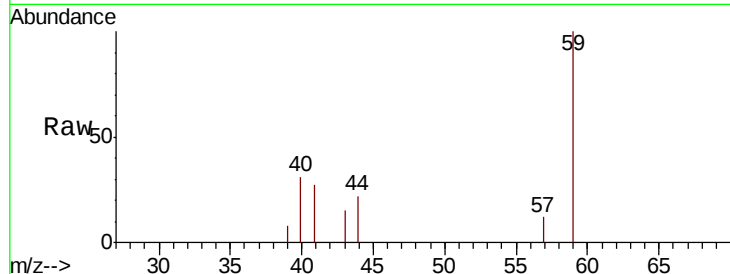




#11
Tert butyl alcohol
Concen: 23.712 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.02 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

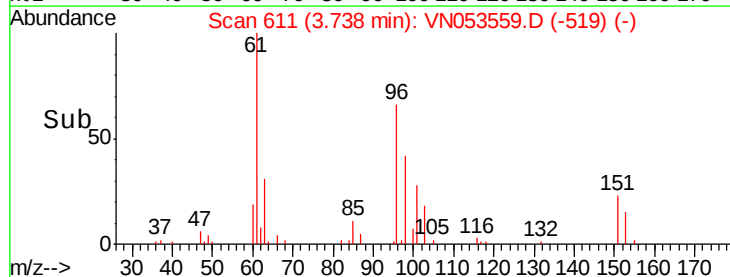
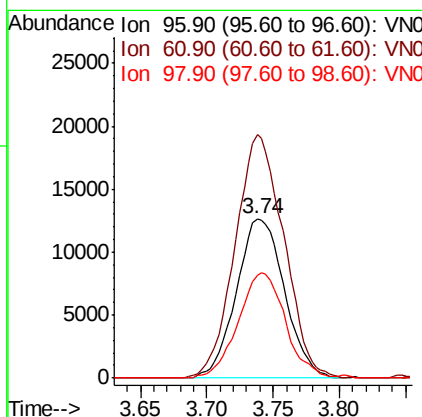
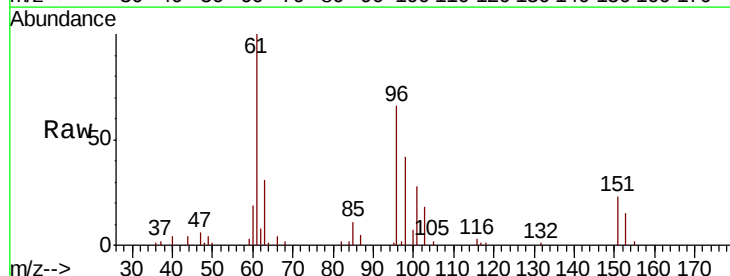
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

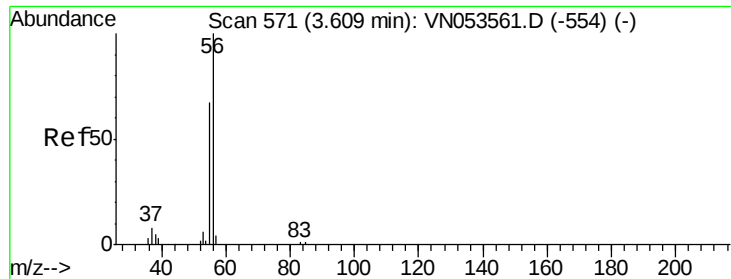
Tot Ion: 59 Resp: 9825
Ion Ratio Lower Upper
59 100
57 7.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 4.927 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 96 Resp: 31841
Ion Ratio Lower Upper
96 100
61 151.2 122.9 184.3
98 64.3 49.4 74.0





#13

Acrolein

Concen: Below Cal

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

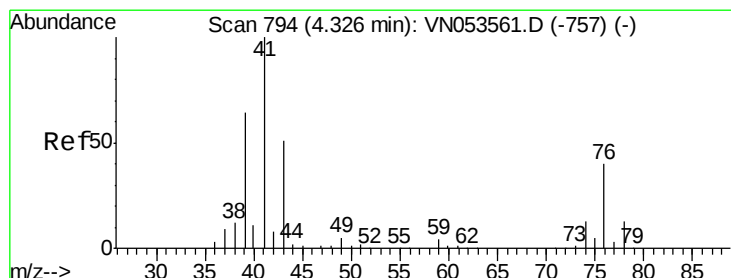
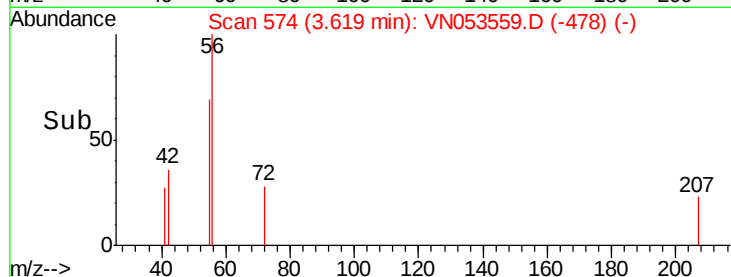
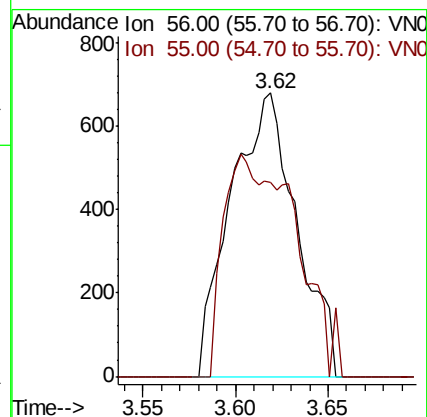
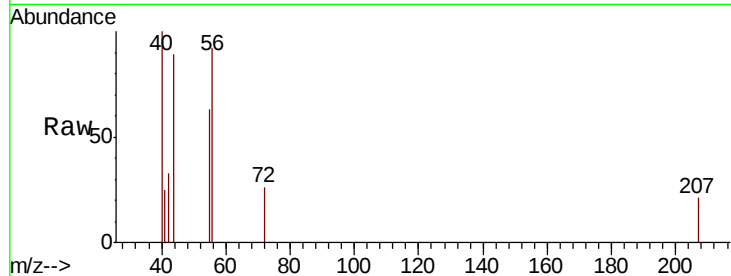
VSTDIC005

Tot Ion: 56 Resp: 1681

Ion Ratio Lower Upper

56 100

55 86.5 57.4 86.0#



#14

Allyl chloride

Concen: 4.930 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

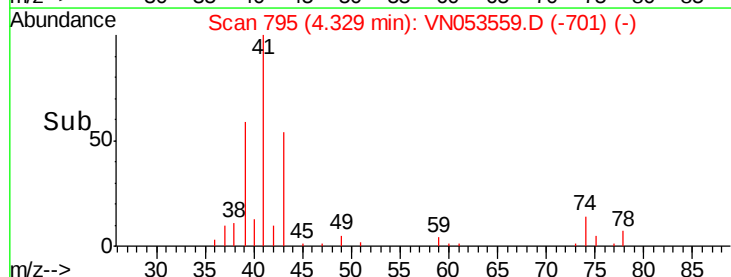
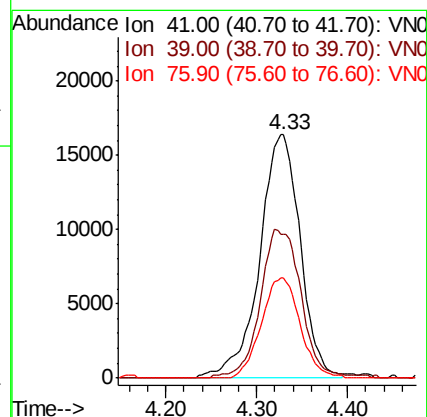
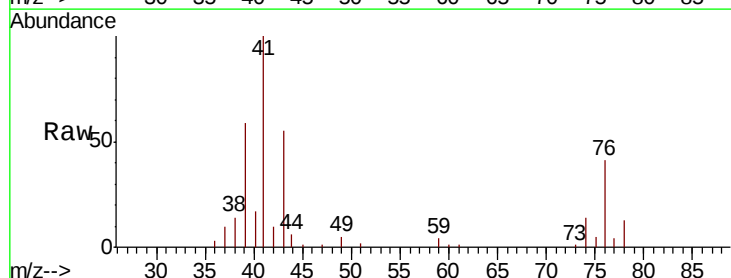
Tgt Ion: 41 Resp: 50726

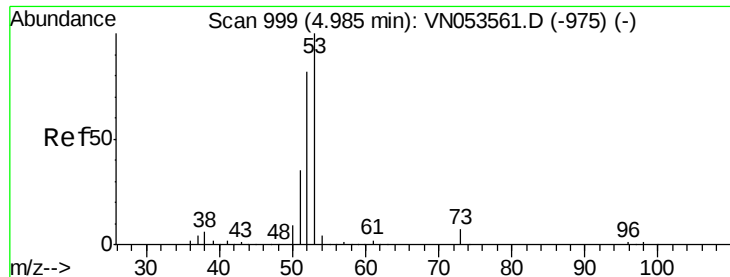
Ion Ratio Lower Upper

41 100

39 61.2 48.9 73.3

76 39.4 29.4 44.2





#15

Acrylonitrile

Concen: 25.729 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

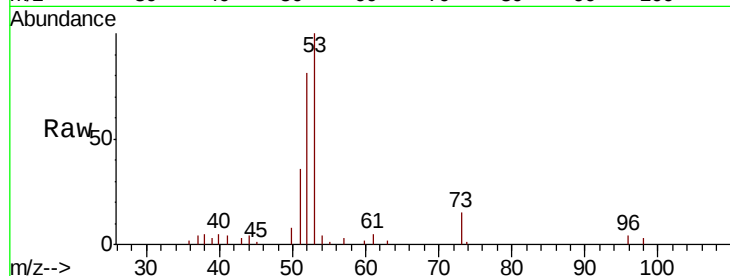
MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 53 Resp: 57553

Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.0	99.0
51	36.1	28.3	42.5

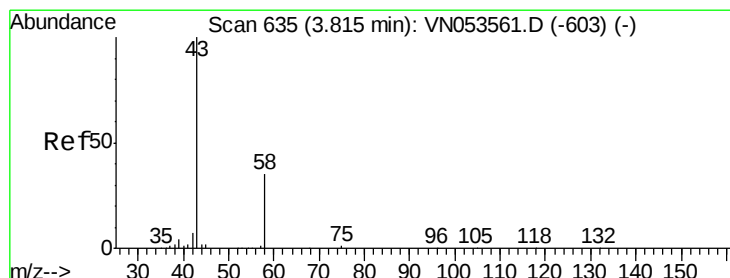
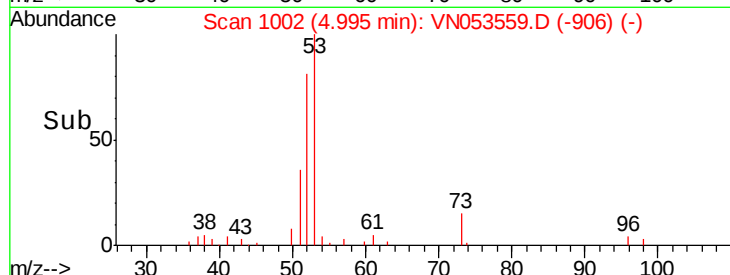
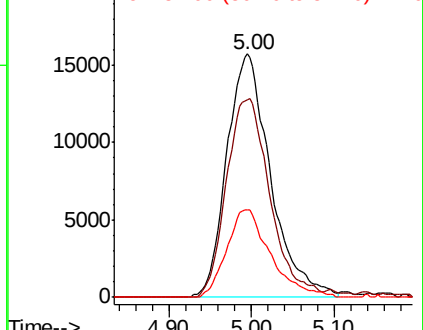


Abundance

Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 27.143 ug/l

RT: 3.82 min Scan# 637

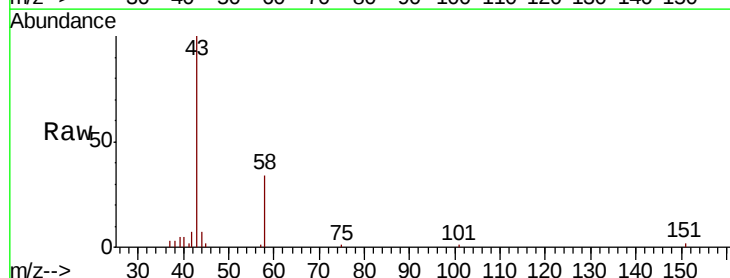
Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion: 43 Resp: 48744

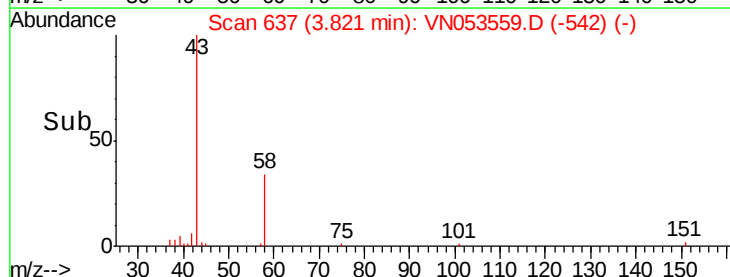
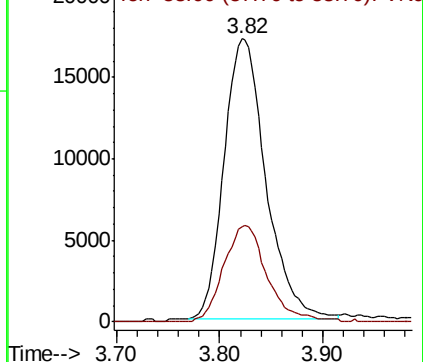
Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.1	40.7

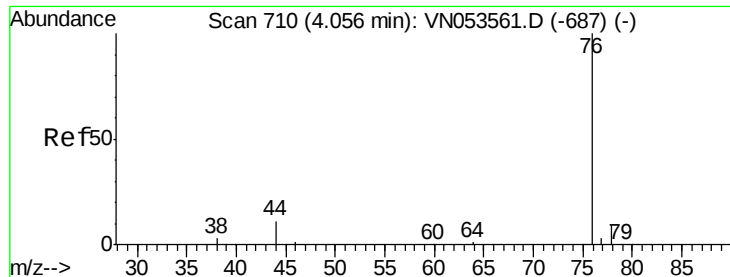


Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

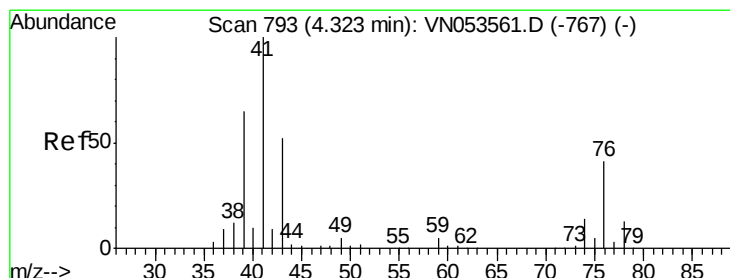
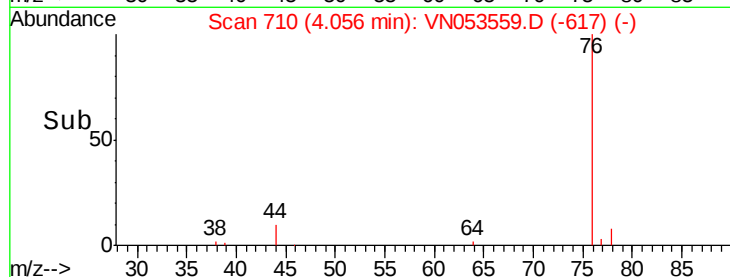
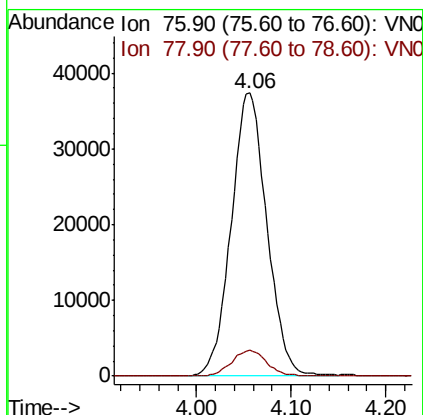
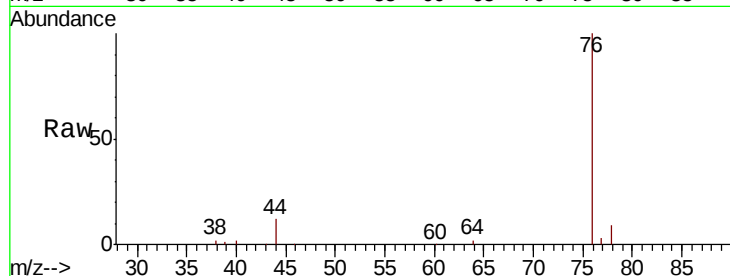




#17
Carbon Disulfide
Concen: 4.864 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

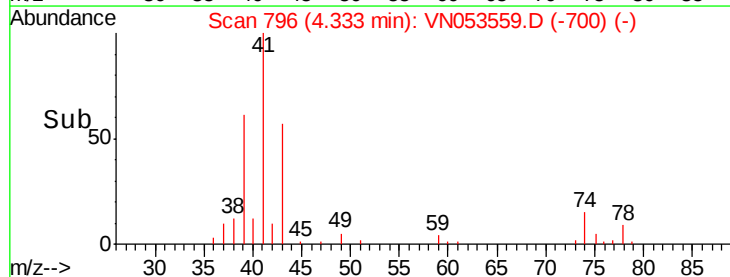
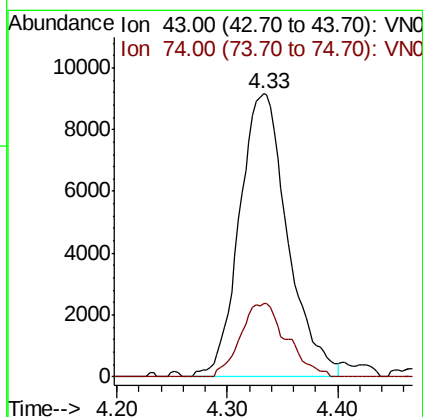
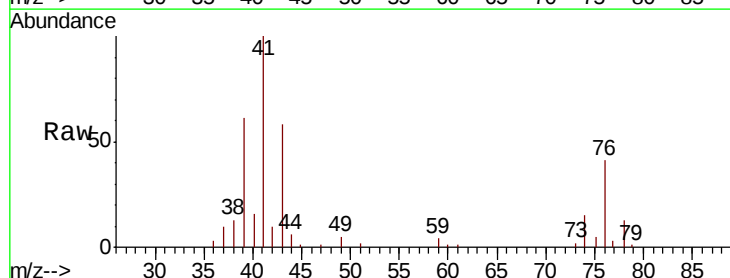
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 97890
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#18
Methyl Acetate
Concen: 5.222 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 43 Resp: 27771
Ion Ratio Lower Upper
43 100
74 25.0 19.4 29.2

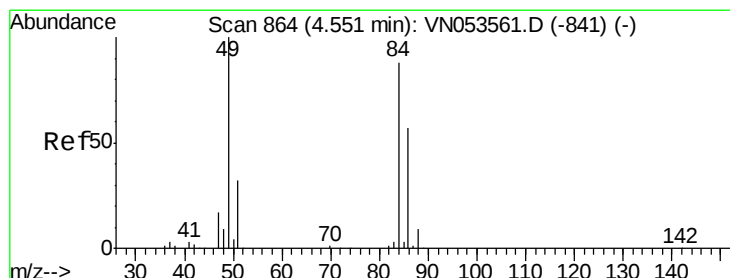
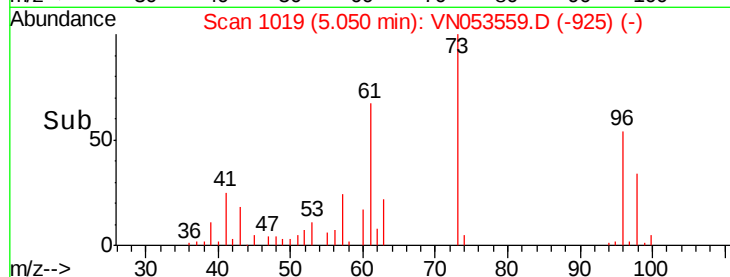
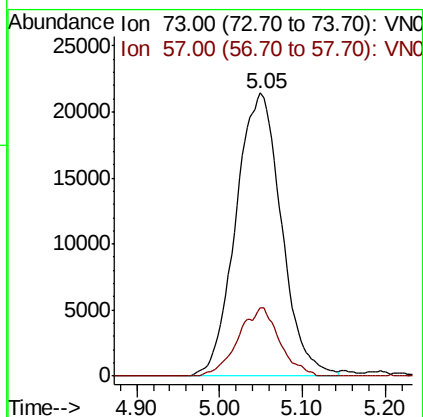
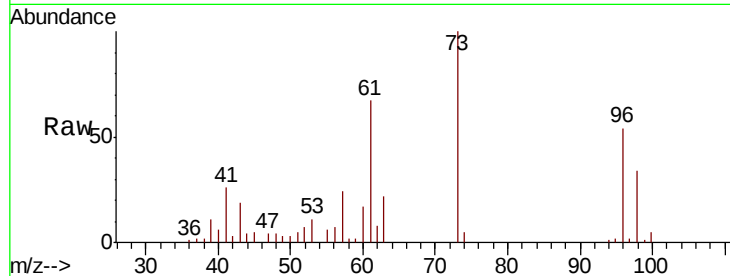




#19
Methyl tert-butyl Ether
Concen: 4.987 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

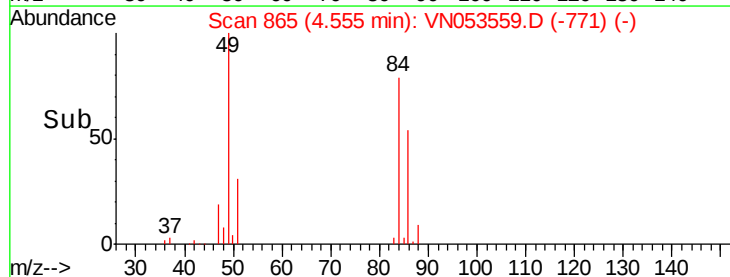
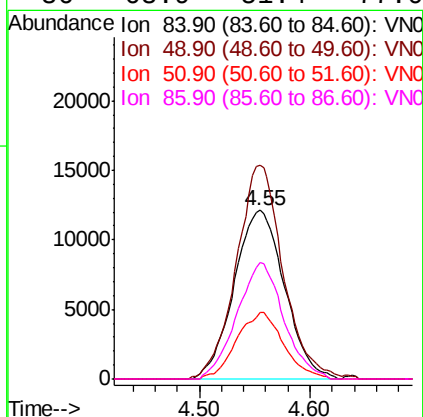
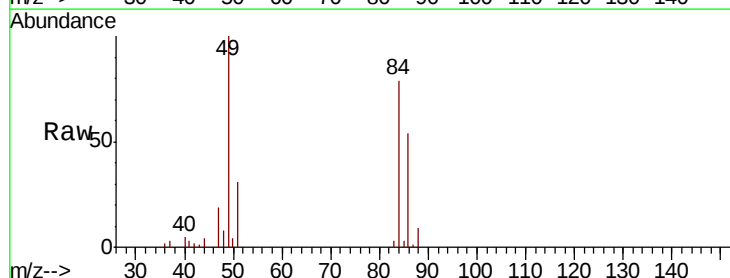
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

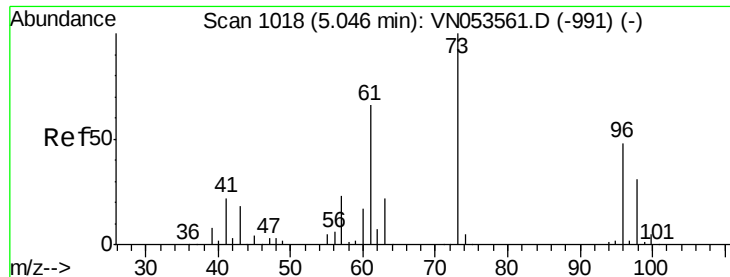
Tot Ion: 73 Resp: 81709
Ion Ratio Lower Upper
73 100
57 24.2 18.3 27.5



#20
Methylene Chloride
Concen: 5.108 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 84 Resp: 38486
Ion Ratio Lower Upper
84 100
49 126.4 94.3 141.5
51 39.2 29.4 44.2
86 68.9 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 5.227 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

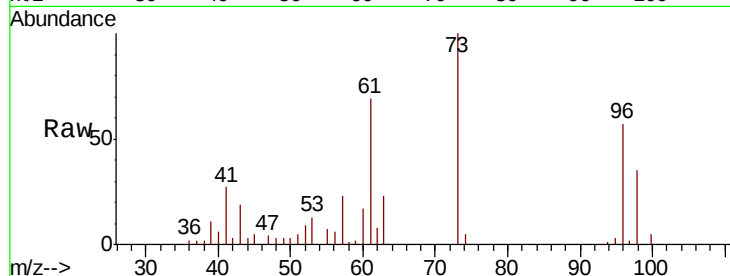
Tot Ion: 96 Resp: 36445

Ion Ratio Lower Upper

96 100

61 121.1 110.1 165.1

98 62.2 50.0 75.0

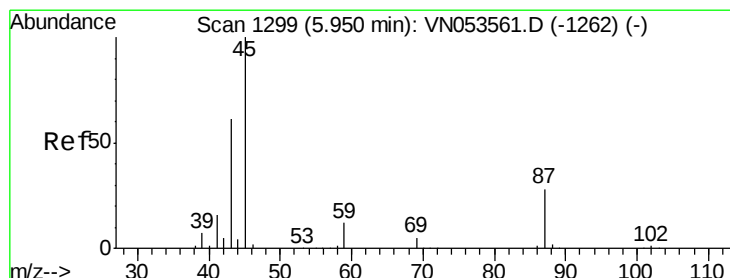
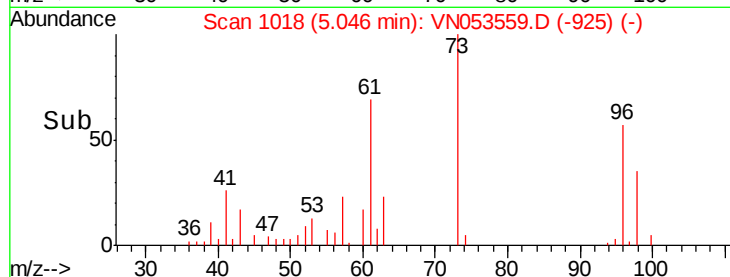
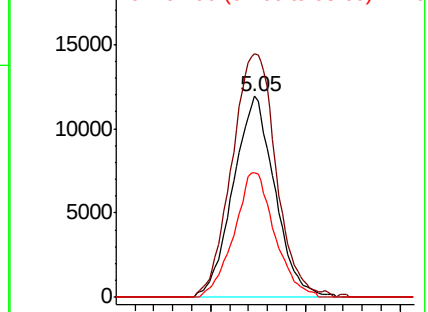


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 4.789 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion: 45 Resp: 91315

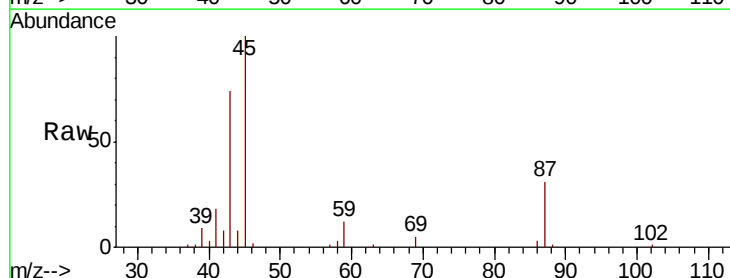
Ion Ratio Lower Upper

45 100

43 67.3 44.2 66.4#

87 30.3 22.7 34.1

59 12.1 9.4 14.2



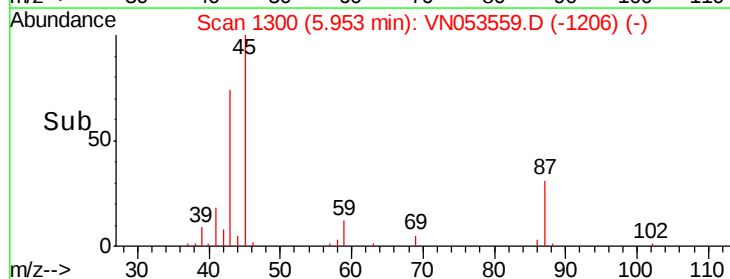
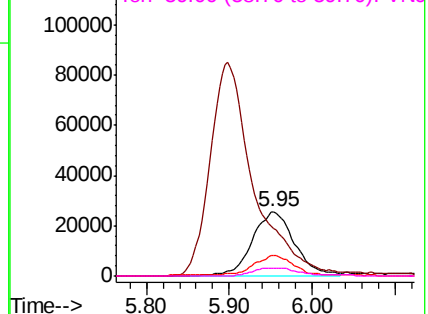
Abundance

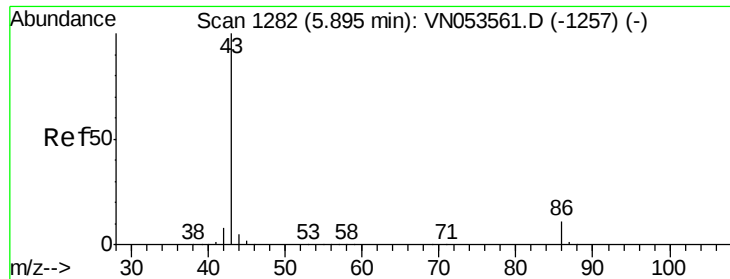
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

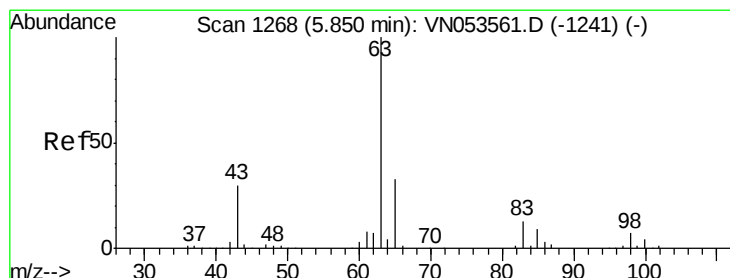
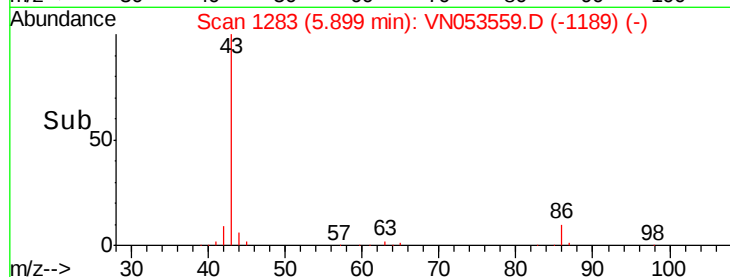
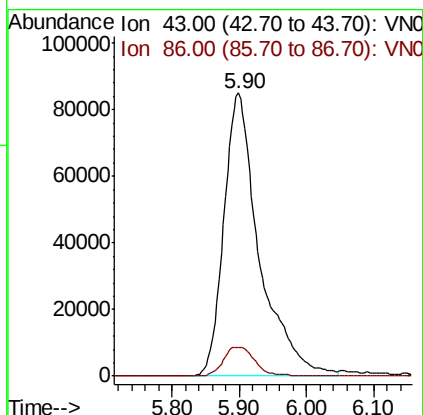
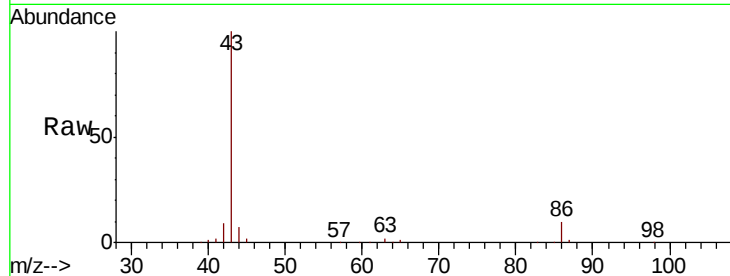




#23
 Vinyl Acetate
 Concen: 23.598 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

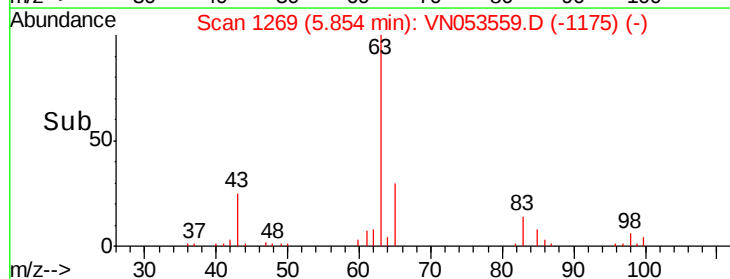
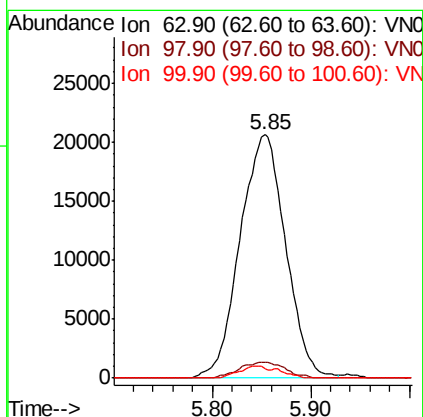
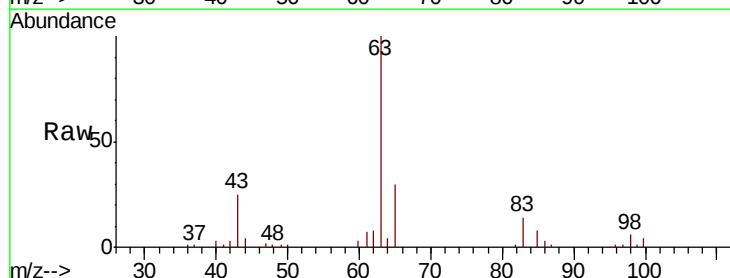
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 43 Resp: 311255
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.4 12.6



#24
 1,1-Dichloroethane
 Concen: 5.190 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 63 Resp: 66001
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.0 2.1 6.5





#25

2-Butanone

Concen: 25.768 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

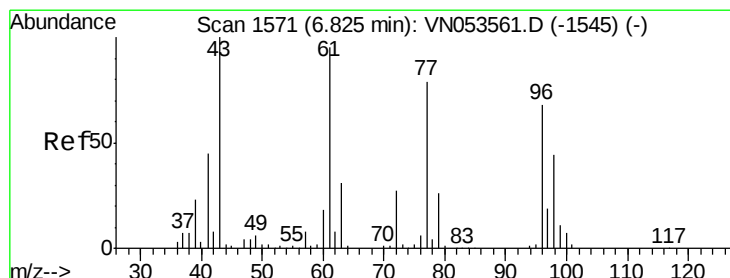
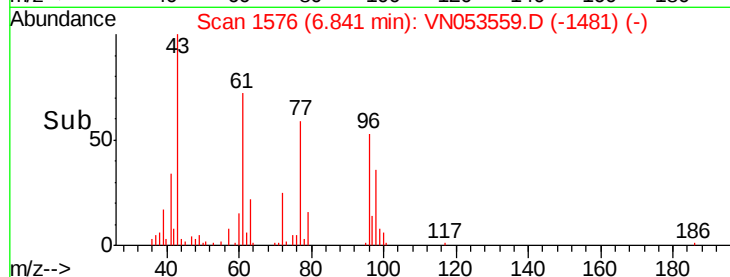
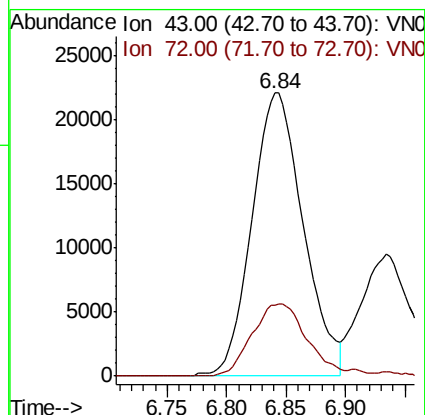
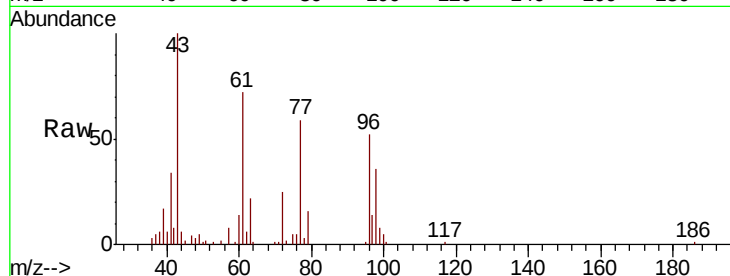
VSTDIC005

Tot Ion: 43 Resp: 65999

Ion Ratio Lower Upper

43 100

72 25.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 5.100 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053559.D

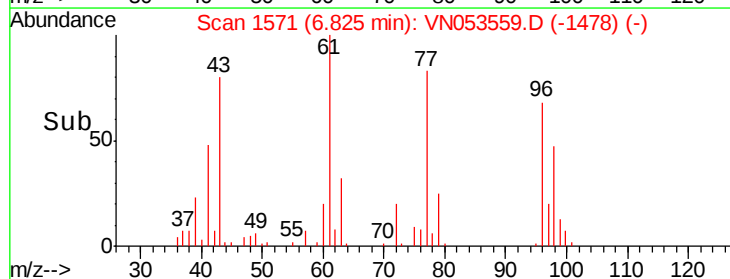
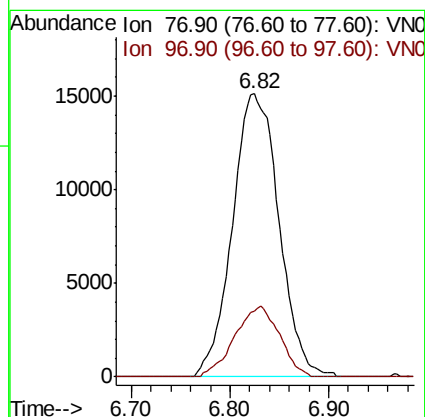
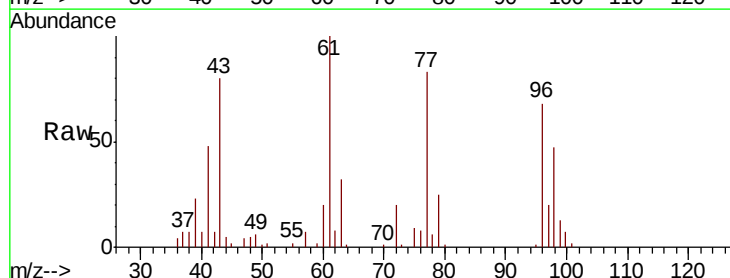
Acq: 30 Jan 2019 9:19

Tgt Ion: 77 Resp: 49514

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 5.131 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

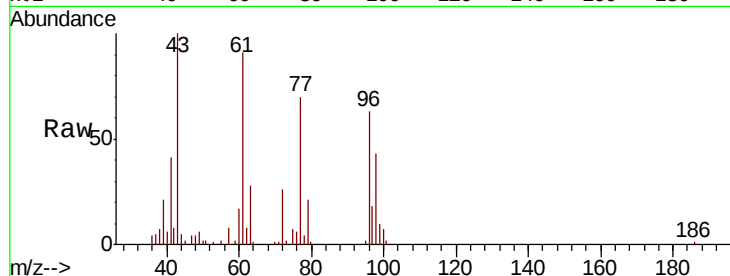
Tot Ion: 96 Resp: 39784

Ion Ratio Lower Upper

96 100

61 140.1 0.0 283.8

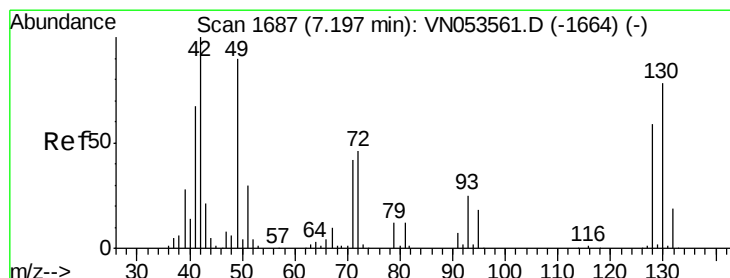
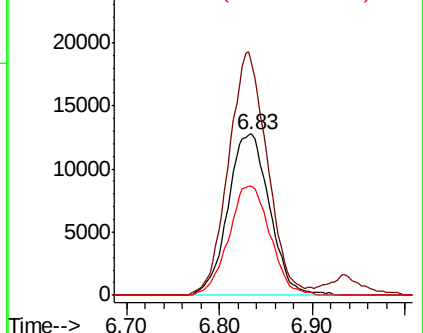
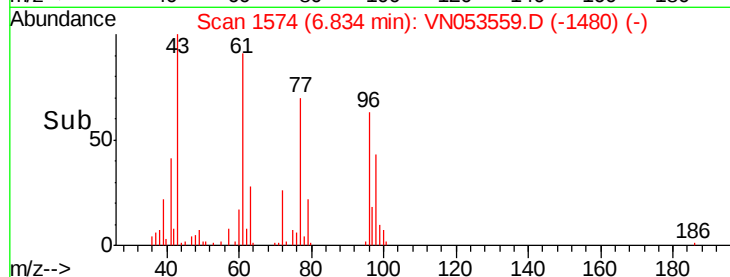
98 67.4 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 5.011 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

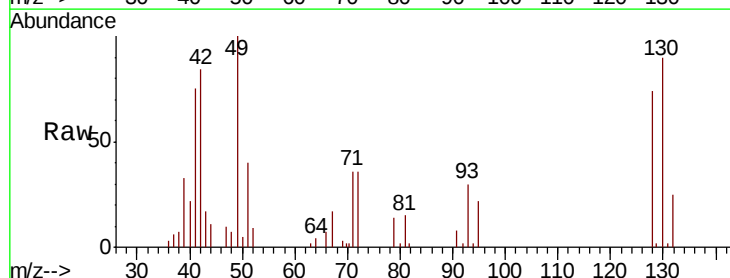
Tgt Ion: 49 Resp: 27656

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.0

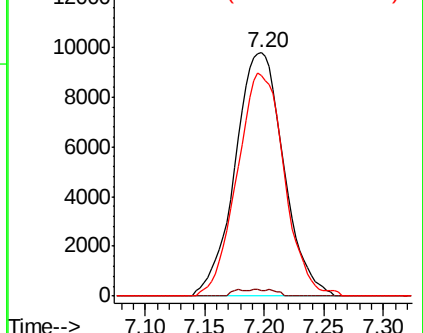
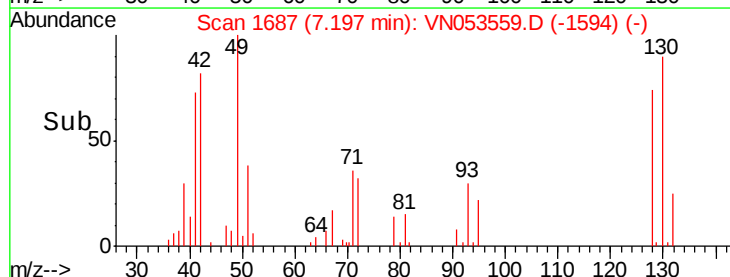
130 88.9 66.3 99.5

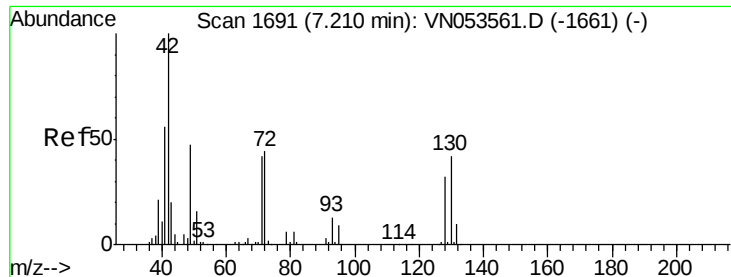


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

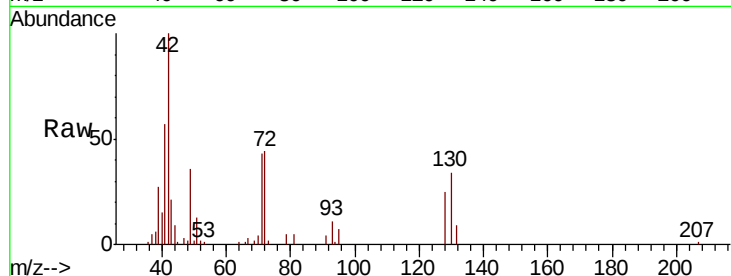




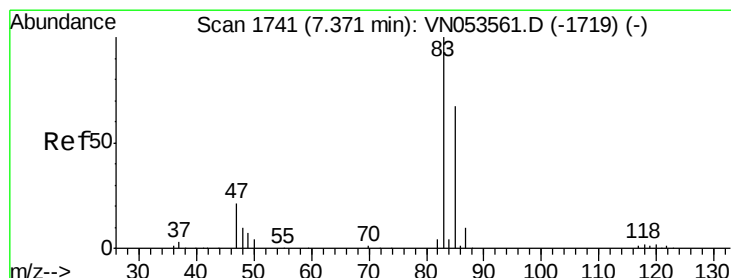
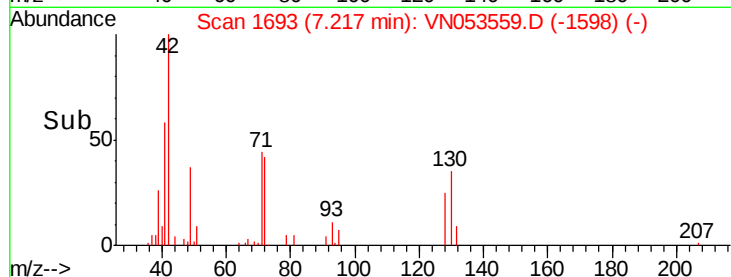
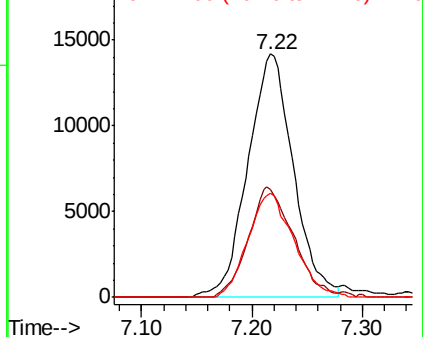
#29
Tetrahydrofuran
Concen: 24.704 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 42 Resp: 40630
Ion Ratio Lower Upper
42 100
72 44.6 35.2 52.8
71 43.1 33.0 49.4

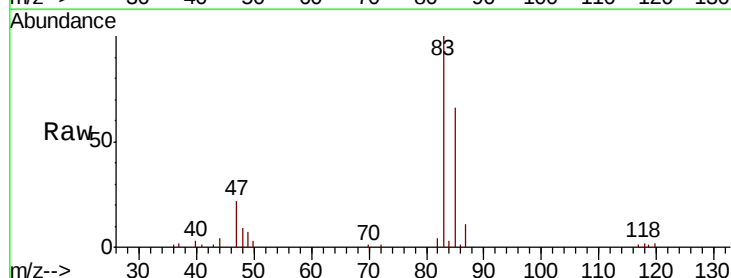


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

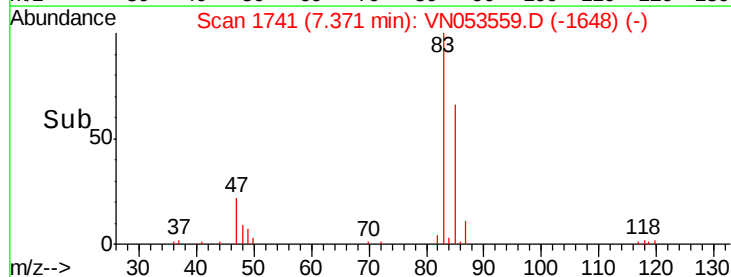
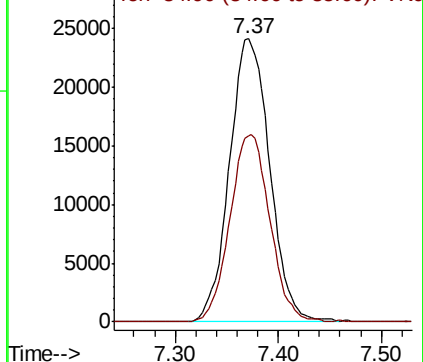


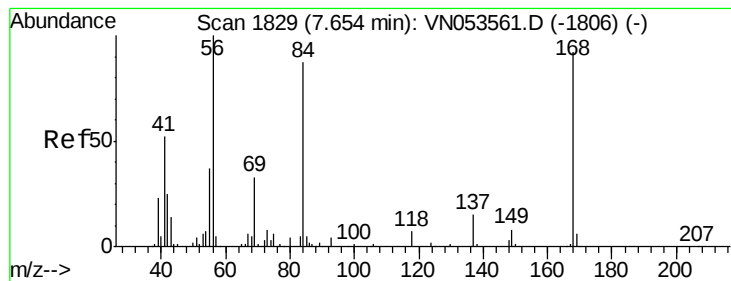
#30
Chloroform
Concen: 5.207 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 83 Resp: 65641
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 5.255 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

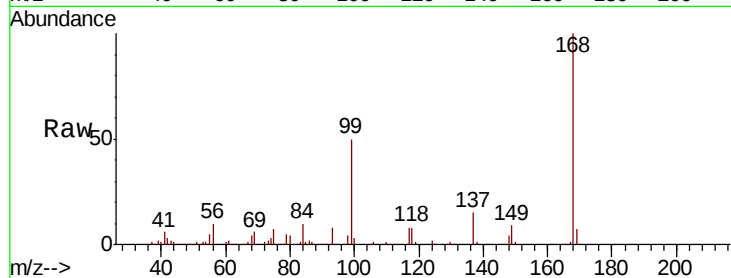
Tot Ion: 56 Resp: 64010

Ion Ratio Lower Upper

56 100

69 56.9 26.4 39.6#

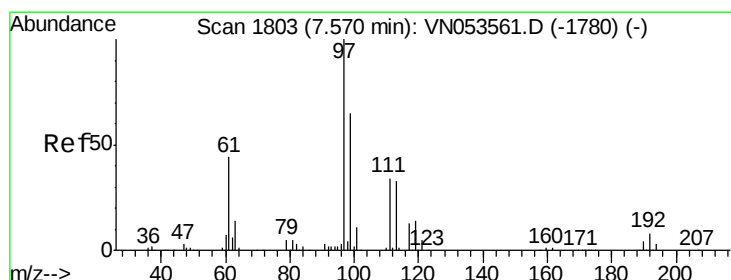
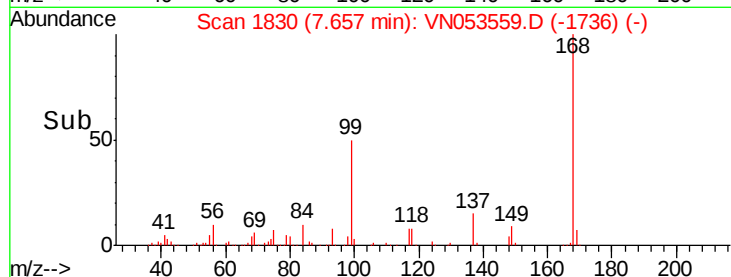
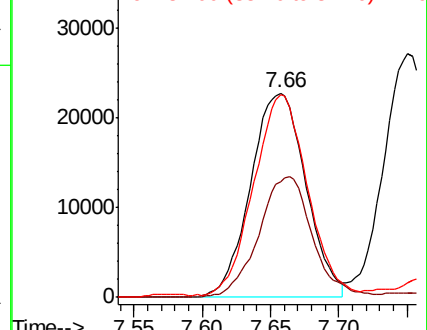
84 98.8 67.9 101.9



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: 5.105 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

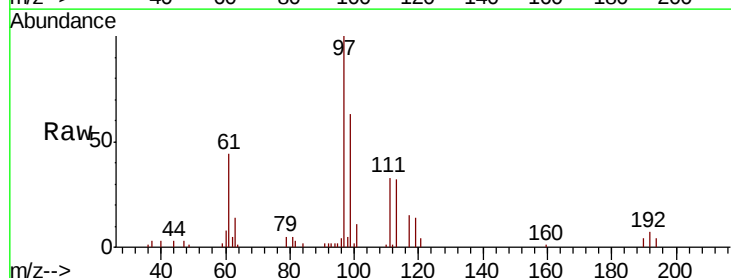
Tgt Ion: 97 Resp: 53562

Ion Ratio Lower Upper

97 100

99 63.7 52.0 78.0

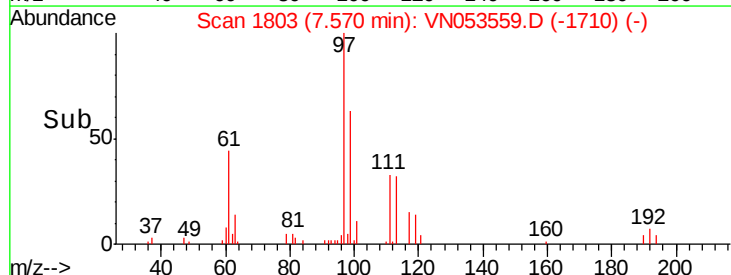
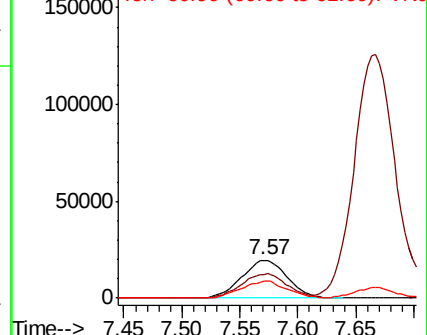
61 44.5 34.4 51.6

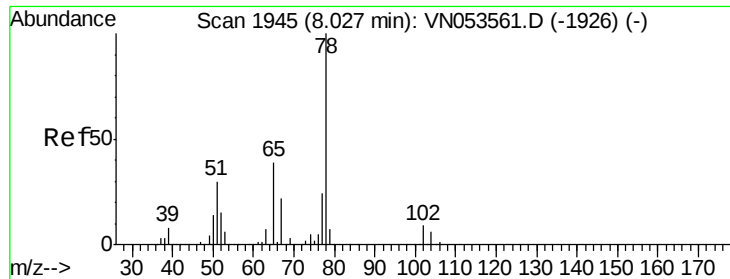


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

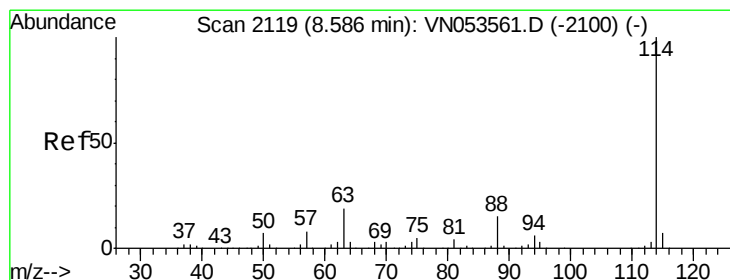
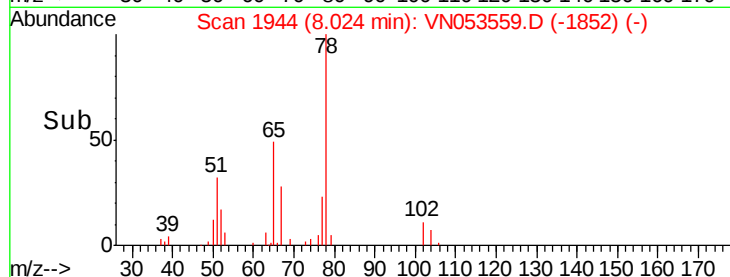
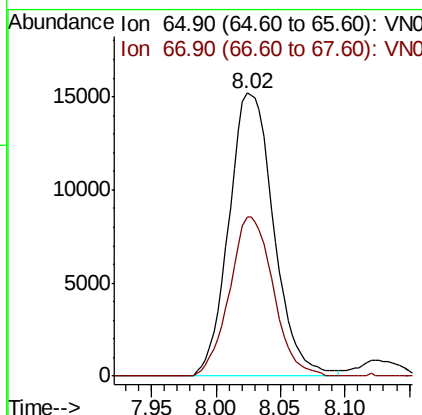
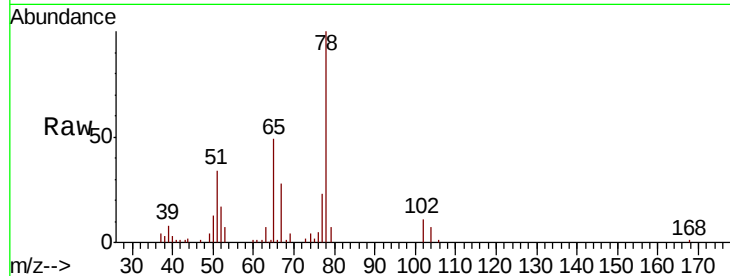




#33
 1,2-Dichloroethane-d4
 Concen: 5.105 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

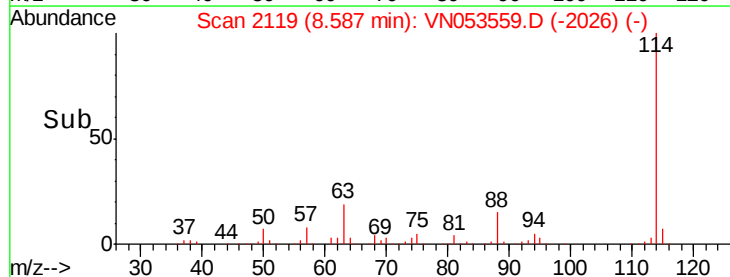
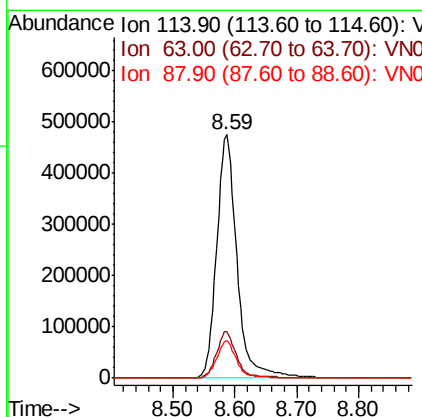
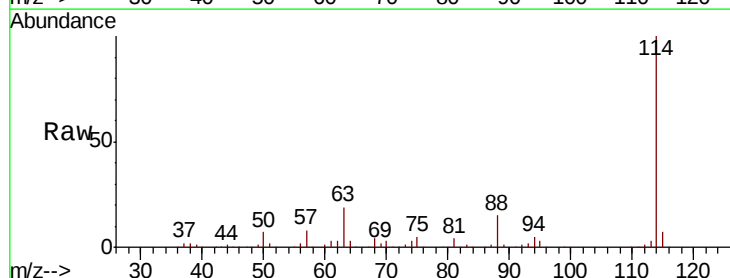
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 36784
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 114 Resp: 1086160
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 15.4 0.0 30.4

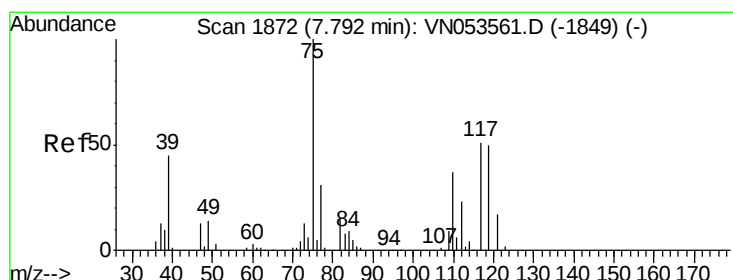
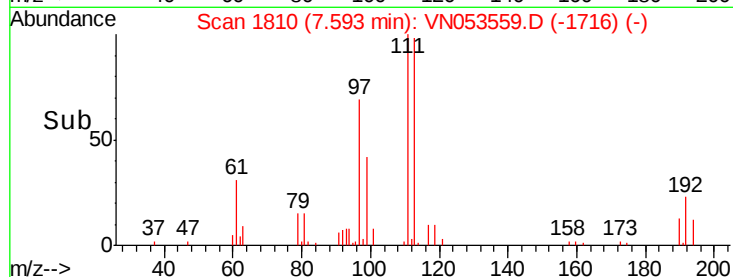
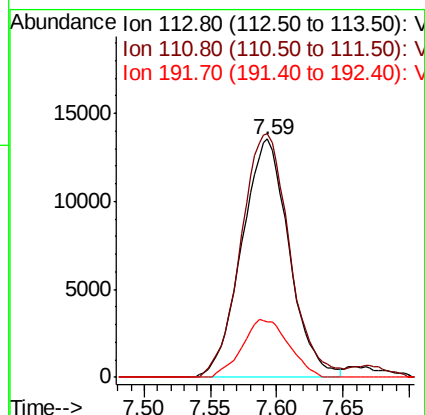
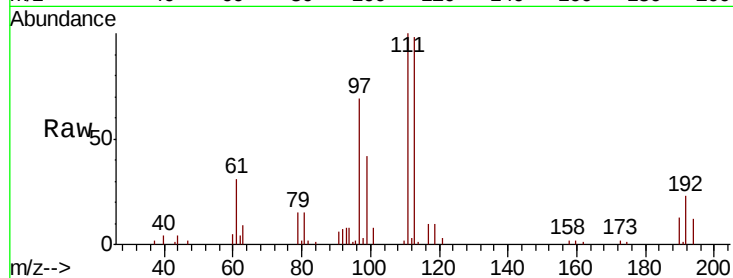




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

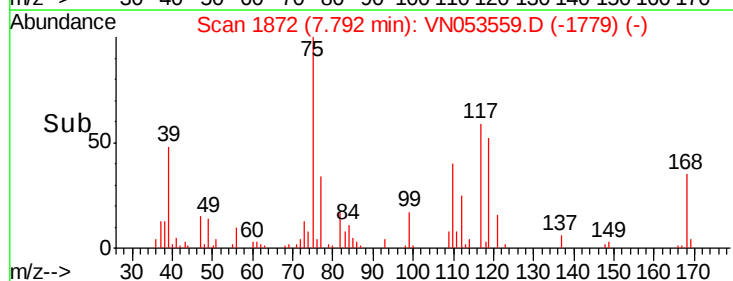
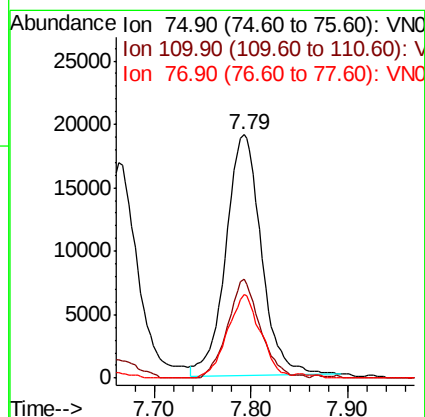
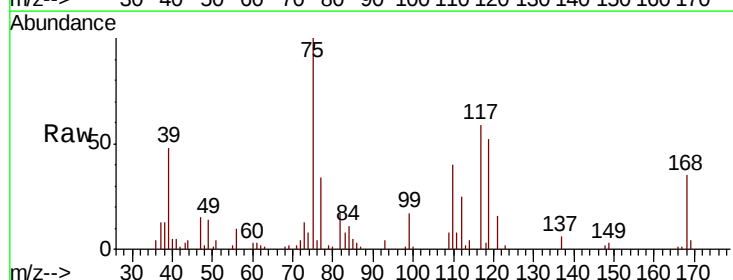
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

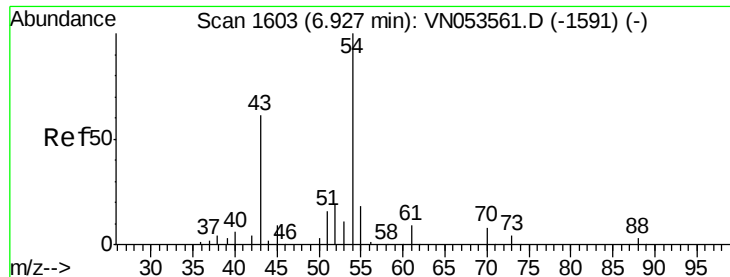
Tot Ion:113 Resp: 33711
 Ion Ratio Lower Upper
 113 100
 111 104.9 81.1 121.7
 192 23.9 18.2 27.2



#36
 1,1-Dichloropropene
 Concen: 4.963 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 75 Resp: 48591
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.1 54.3
 77 32.5 25.1 37.7

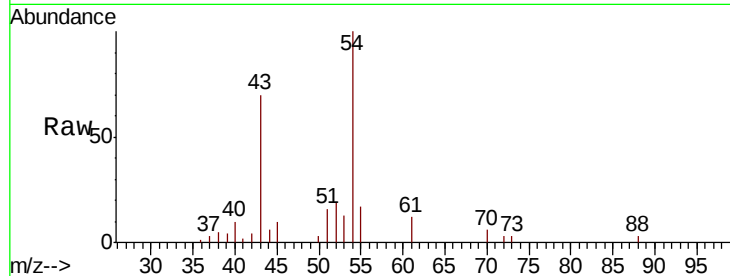




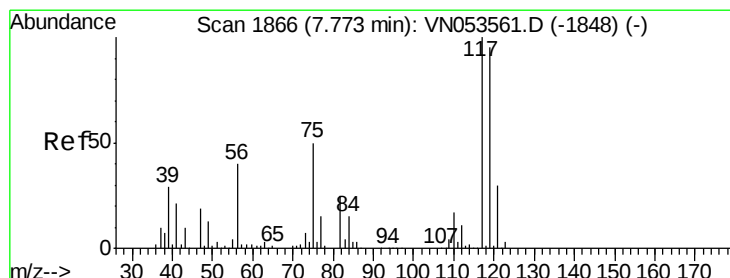
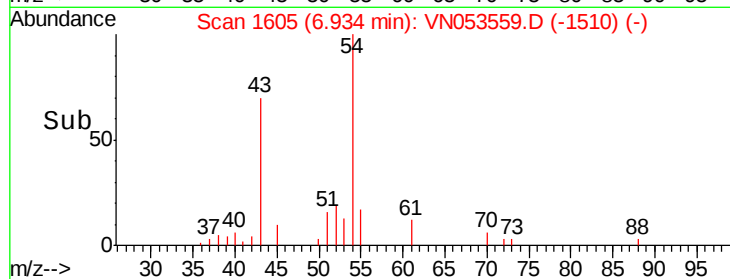
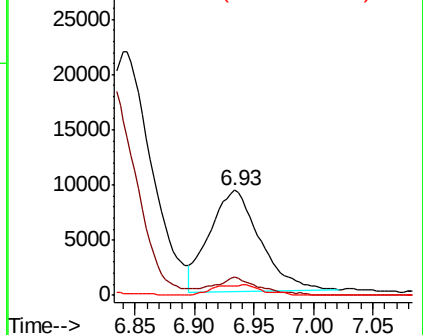
#37
Ethyl Acetate
Concen: 4.964 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 27146
Ion Ratio Lower Upper
43 100
61 15.2 11.8 17.6
70 5.5 8.6 12.8#

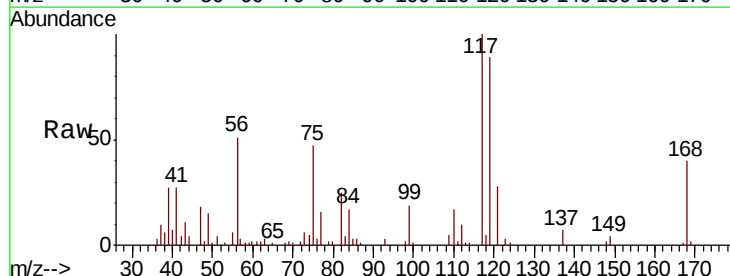


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

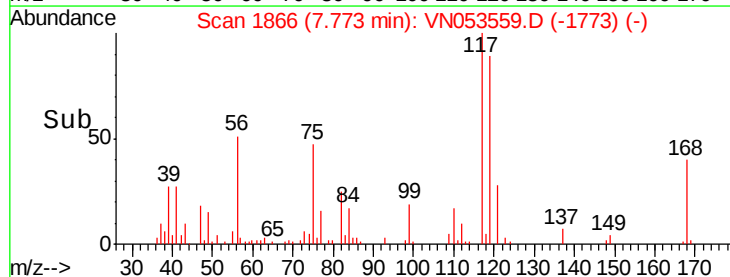
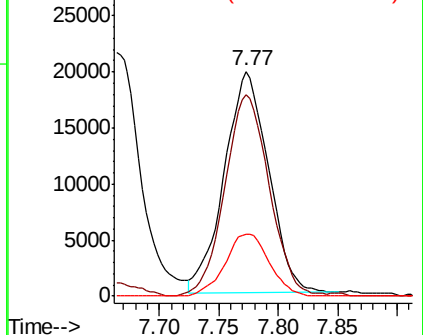


#38
Carbon Tetrachloride
Concen: 5.171 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 117 Resp: 51007
Ion Ratio Lower Upper
117 100
119 89.8 77.2 115.8
121 28.0 24.6 37.0



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

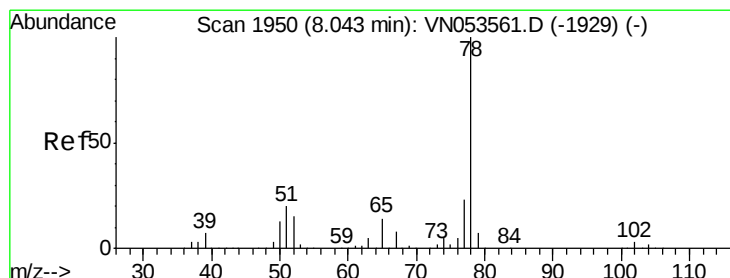
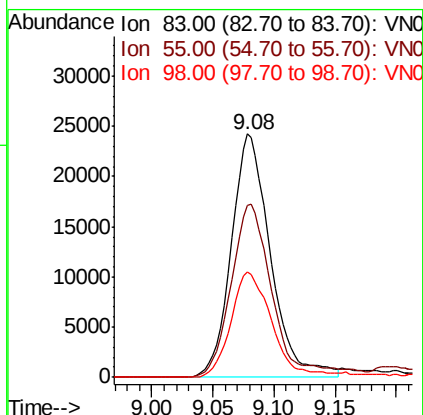
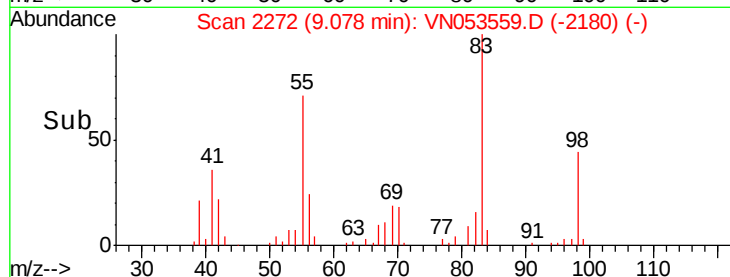
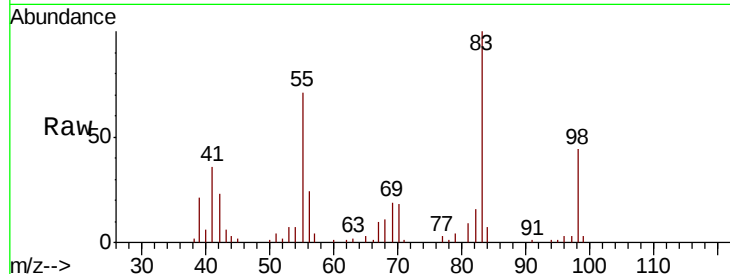




#39
Methvlcvclohexane
Concen: 4.646 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

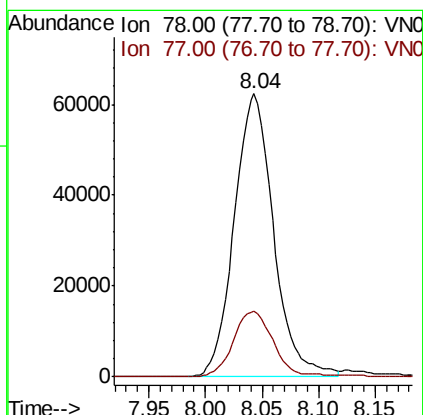
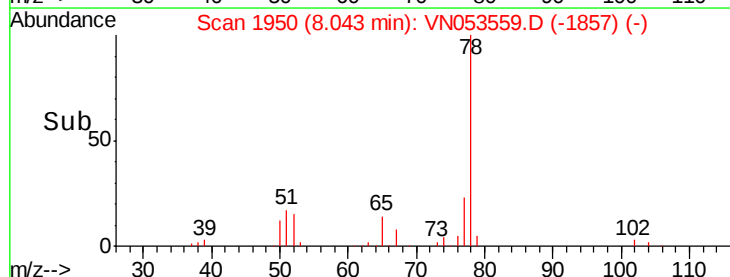
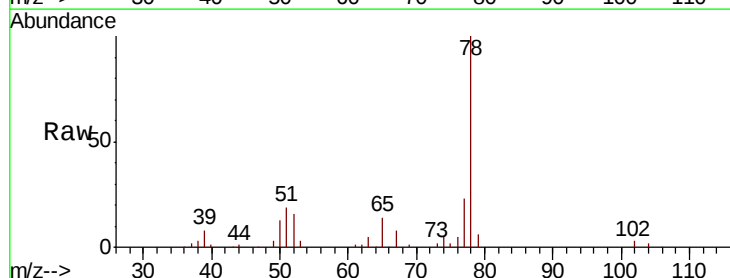
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

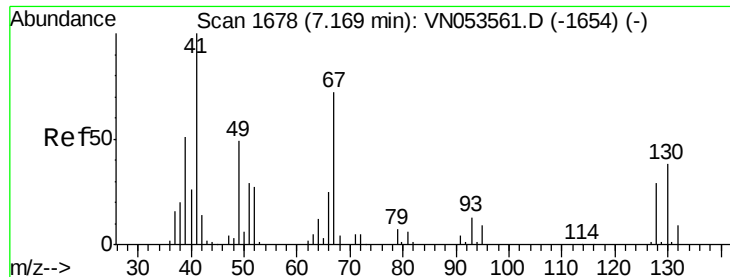
Tot Ion: 83 Resp: 53971
Ion Ratio Lower Upper
83 100
55 70.8 60.1 90.1
98 43.5 36.6 55.0



#40
Benzene
Concen: 5.005 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 78 Resp: 151128
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

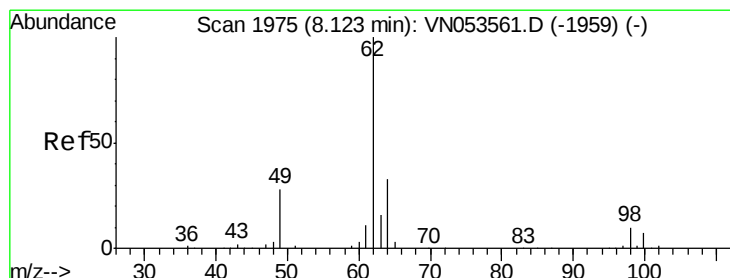
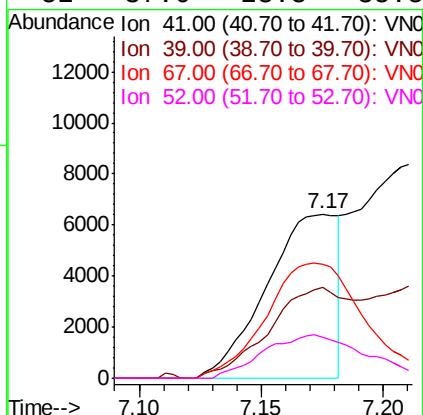
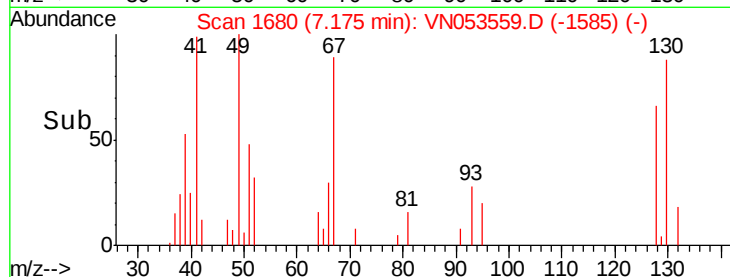
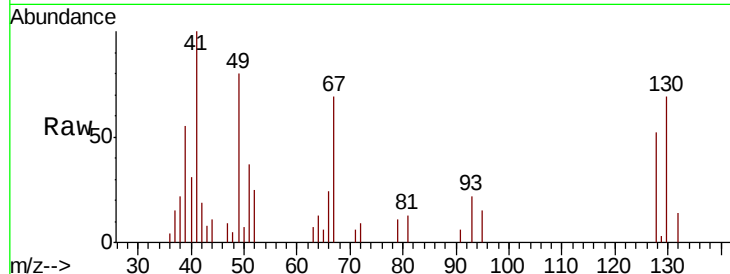




#41
Methacrylonitrile
Concen: 4.257 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

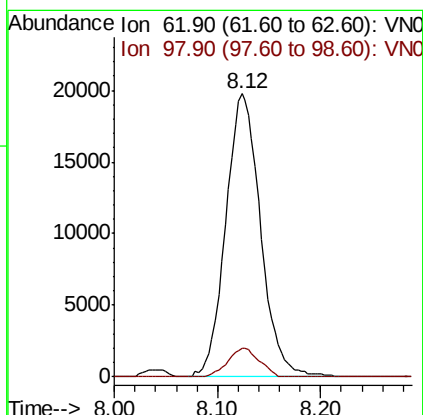
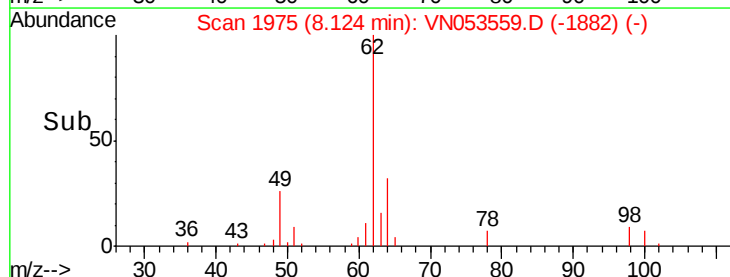
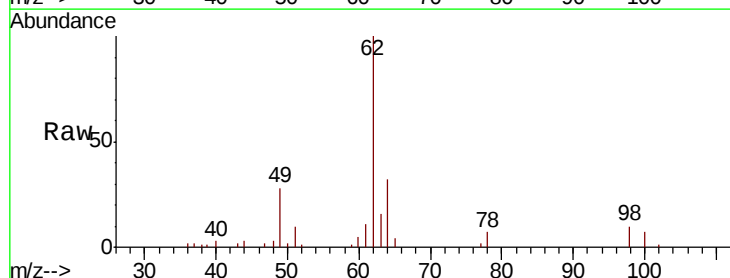
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

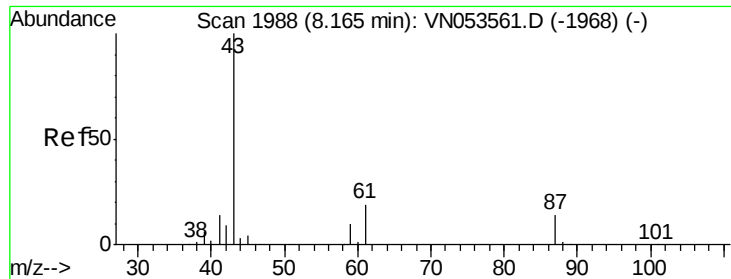
Tot Ion: 41 Resp: 13011
Ion Ratio Lower Upper
41 100
39 66.4 46.8 70.2
67 97.8 63.0 94.6#
52 37.6 23.8 35.8#



#42
1,2-Dichloroethane
Concen: 5.177 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 62 Resp: 46416
Ion Ratio Lower Upper
62 100
98 9.2 0.0 19.6





#43

Isopropyl Acetate

Concen: 5.109 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

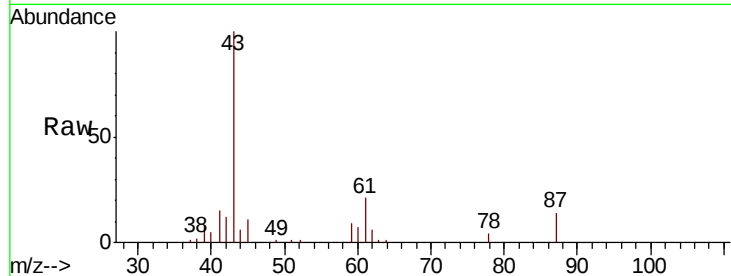
Tot Ion: 43 Resp: 53957

Ion Ratio Lower Upper

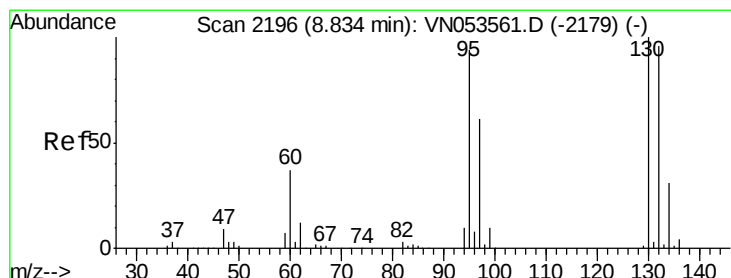
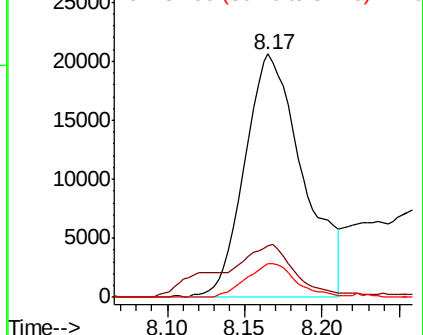
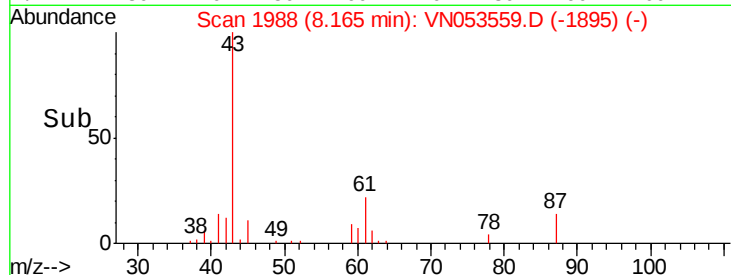
43 100

61 16.6 23.9 35.9#

87 11.8 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VN053559.D (-1895) (-)



#44

Trichloroethene

Concen: 5.075 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN053559.D

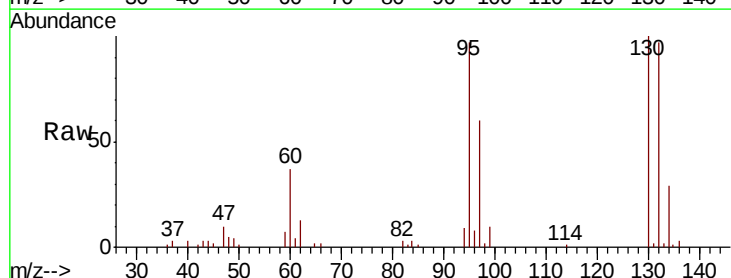
Acq: 30 Jan 2019 9:19

Tgt Ion: 130 Resp: 43627

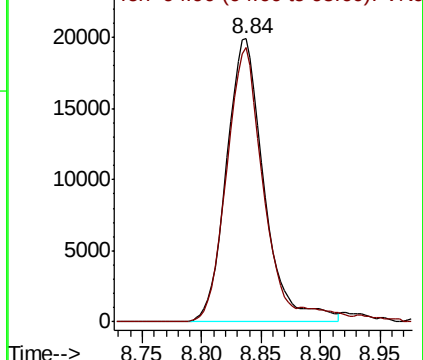
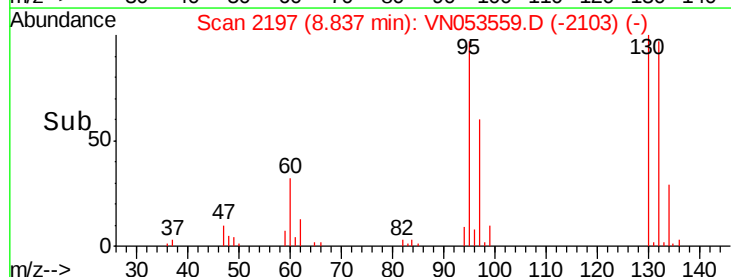
Ion Ratio Lower Upper

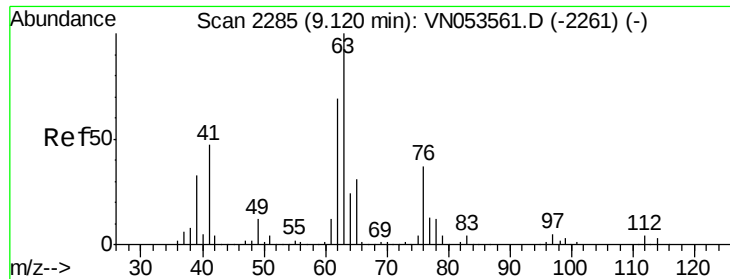
130 100

95 97.1 0.0 191.4



Abundance Ion 129.80 (129.50 to 130.50): VN053559.D (-2103) (-)

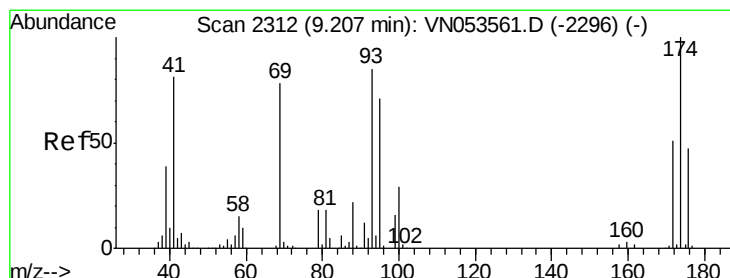
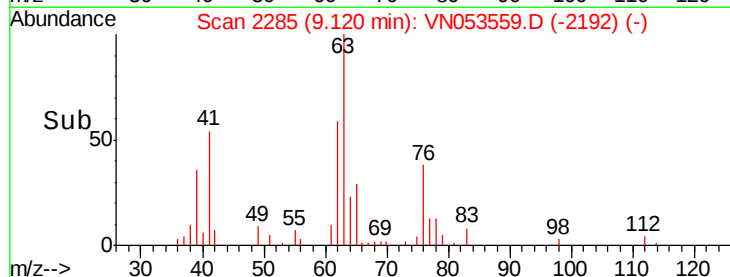
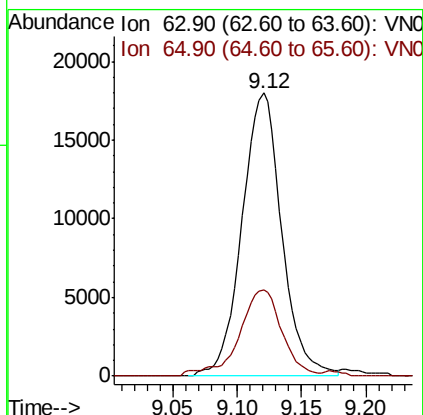
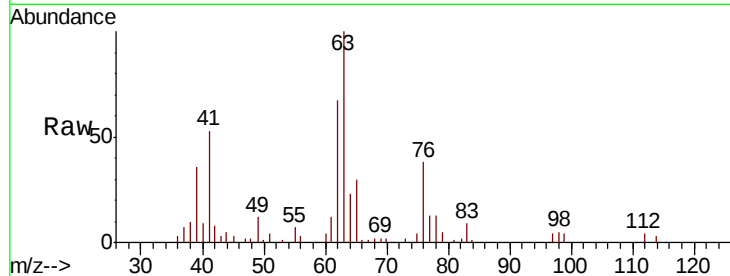




#45
 1,2-Dichloropropane
 Concen: 5.017 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

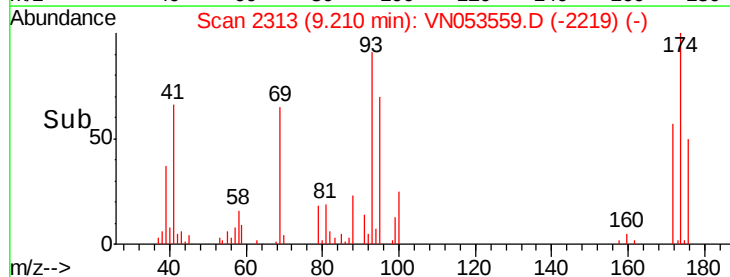
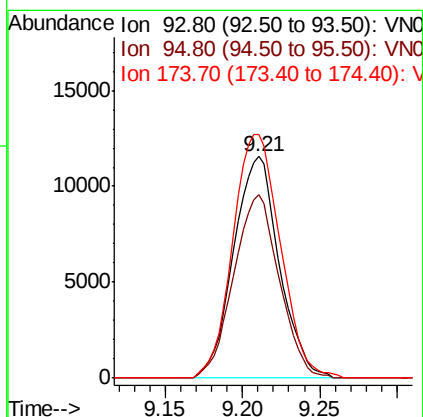
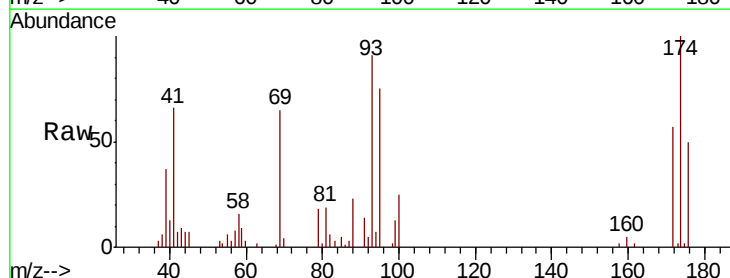
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

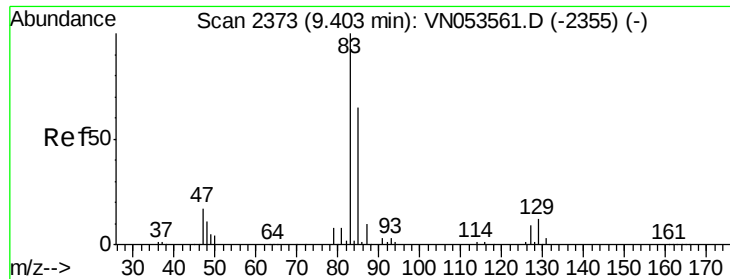
Tot Ion: 63 Resp: 38748
 Ion Ratio Lower Upper
 63 100
 65 29.0 25.0 37.4



#46
 Dibromomethane
 Concen: 5.097 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 93 Resp: 23728
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.3 100.9
 174 114.3 91.0 136.4





#47

Bromodichloromethane

Concen: 4.962 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

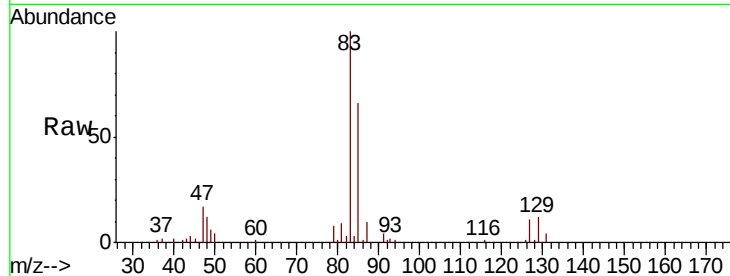
Tot Ion: 83 Resp: 48033

Ion Ratio Lower Upper

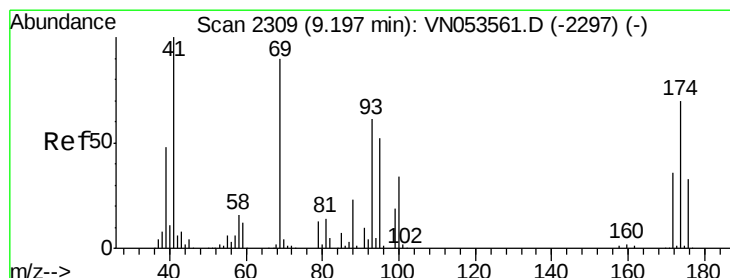
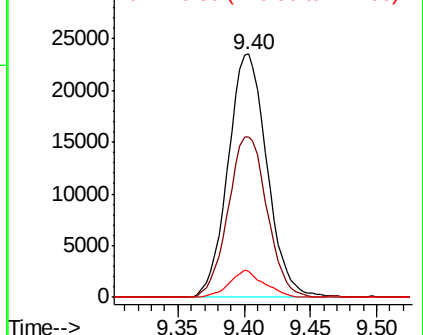
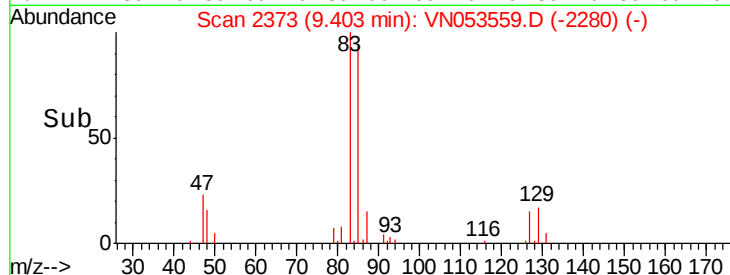
83 100

85 66.1 51.0 76.6

127 10.8 7.0 10.6#



Abundance Ion 82.90 (82.60 to 83.60): VN053559.D (-2280) (-)



#48

Methyl methacrylate

Concen: 4.781 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

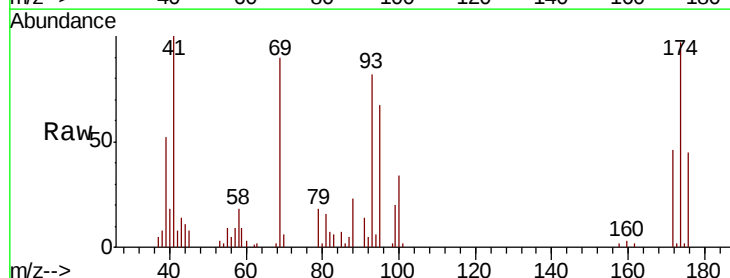
Tgt Ion: 41 Resp: 24099

Ion Ratio Lower Upper

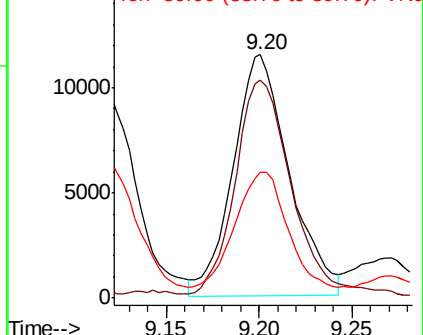
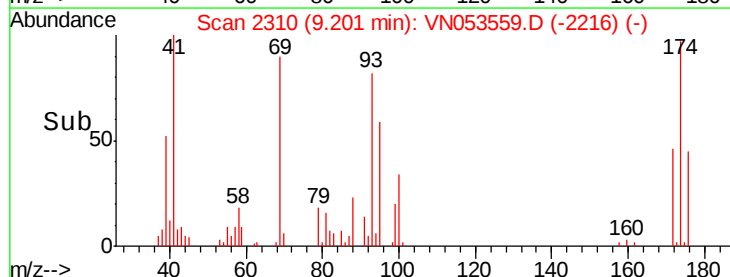
41 100

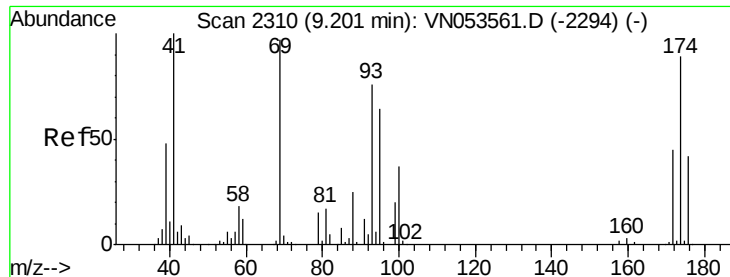
69 89.4 73.8 110.6

39 54.4 40.0 60.0



Abundance Ion 41.00 (40.70 to 41.70): VN053559.D (-2216) (-)





#49

1,4-Dioxane

Concen: 123.225 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

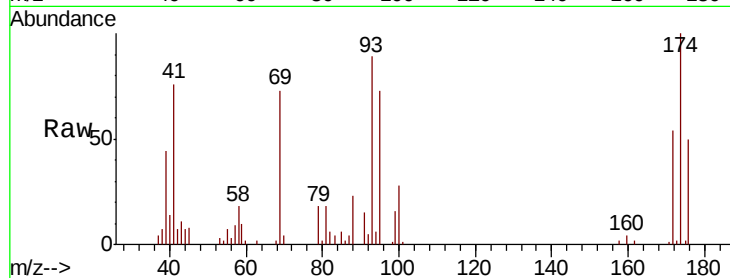
Tot Ion: 88 Resp: 6395

Ion Ratio Lower Upper

88 100

43 35.1 27.8 41.6

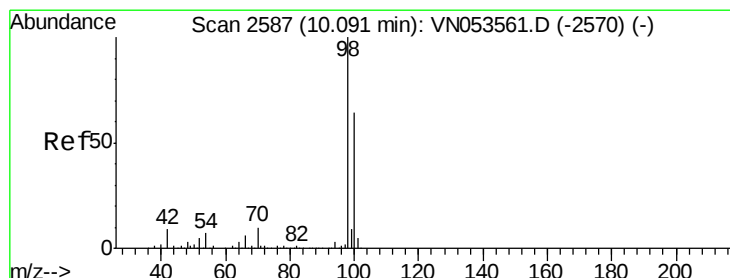
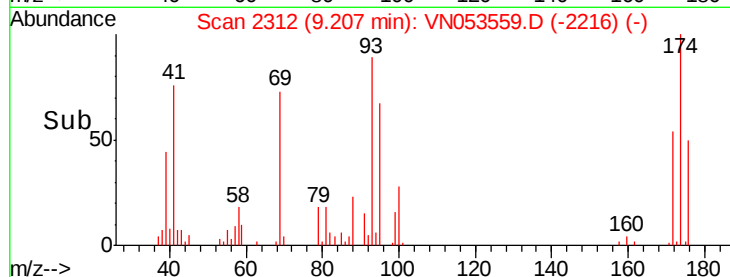
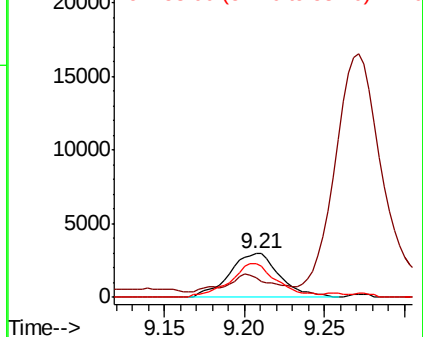
58 71.3 56.5 84.7



Abundance Ion 88.00 (87.70 to 88.70): VN053559.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN053559.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN053559.D (-2216) (-)



#50

Toluene-d8

Concen: 123.225 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053559.D

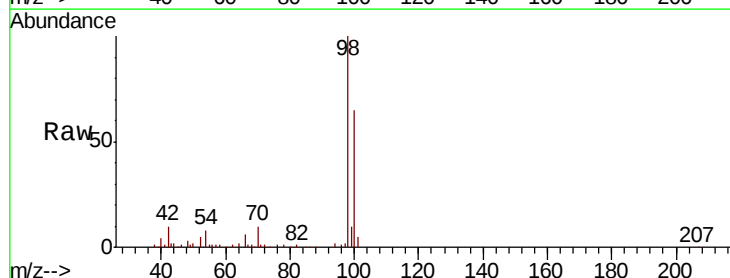
Acq: 30 Jan 2019 9:19

Tgt Ion: 98 Resp: 124815

Ion Ratio Lower Upper

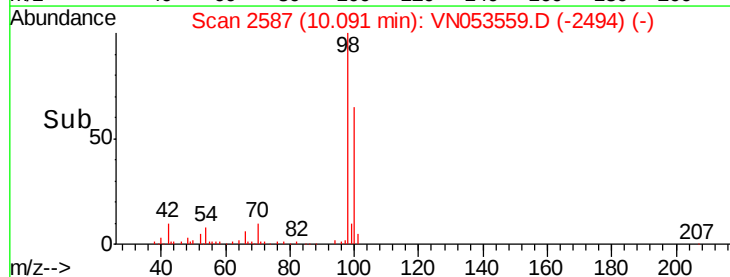
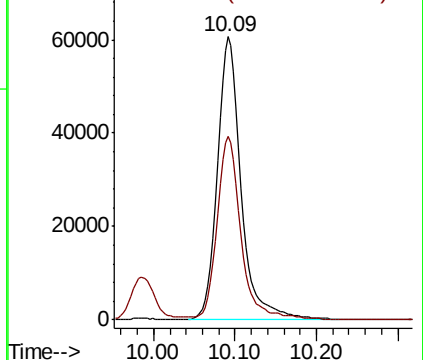
98 100

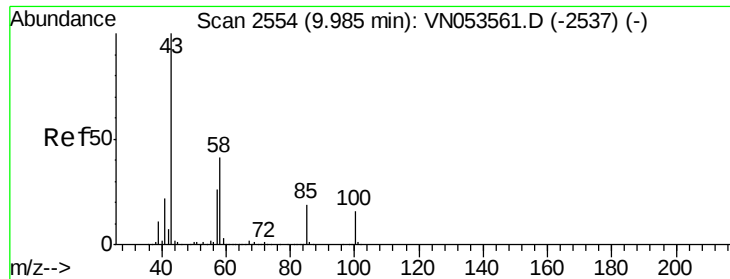
100 65.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053559.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053559.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 23.200 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

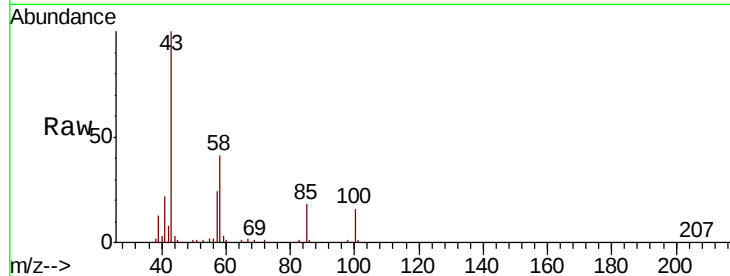
VSTDIC005

Tot Ion: 43 Resp: 120397

Ion Ratio Lower Upper

43 100

58 41.0 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN053561.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN053561.D (-2537) (-)

60000

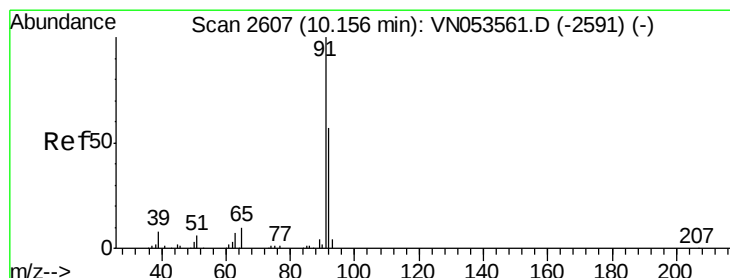
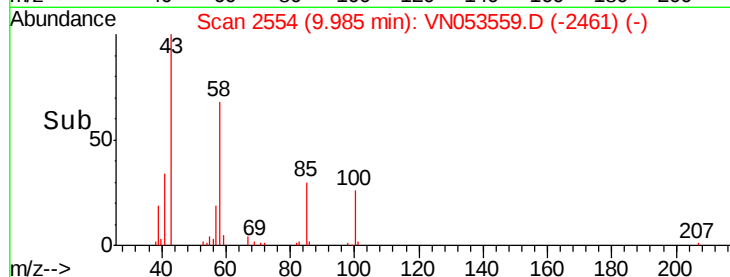
40000

20000

0

9.90 9.99 10.00 10.10

Time-->



#52

Toluene

Concen: 4.961 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053559.D

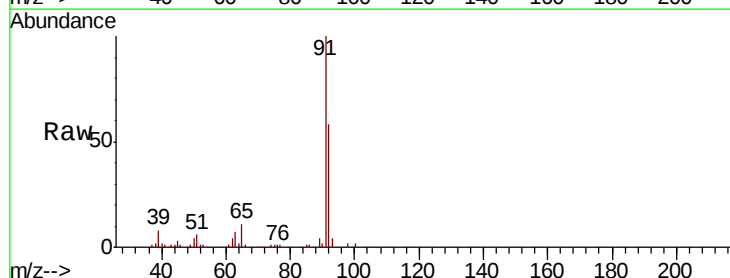
Acq: 30 Jan 2019 9:19

Tgt Ion: 92 Resp: 88902

Ion Ratio Lower Upper

92 100

91 173.3 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN053561.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN053561.D (-2591) (-)

80000

60000

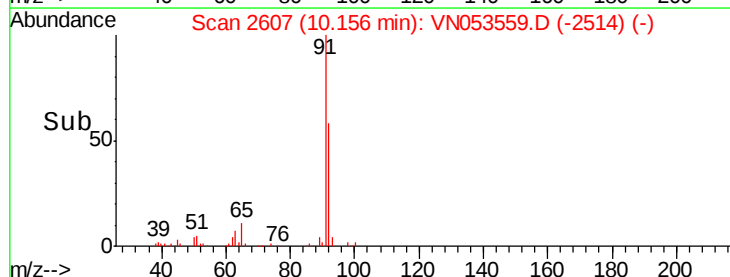
40000

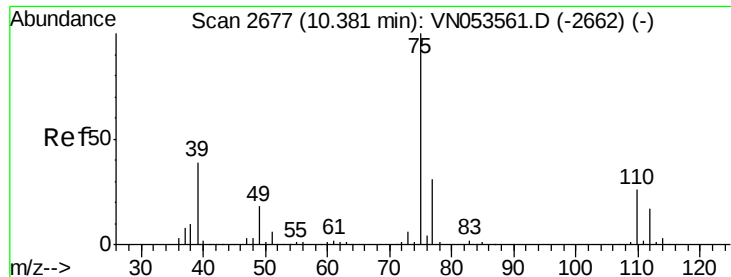
20000

0

10.10 10.16 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 4.635 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

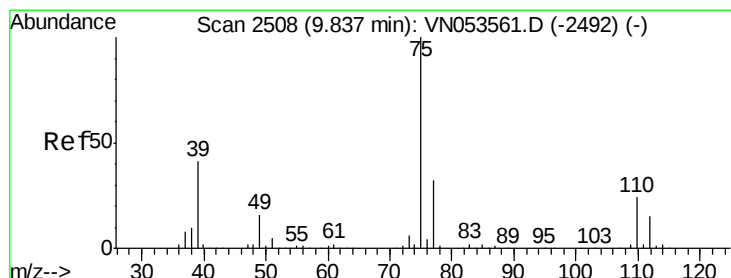
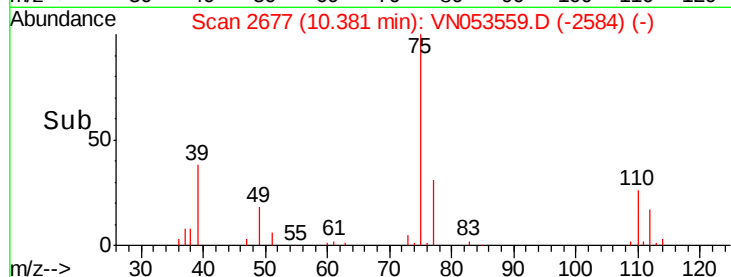
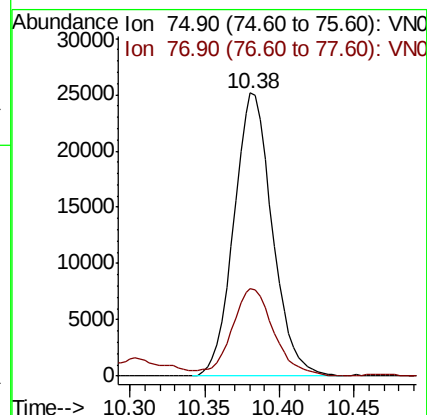
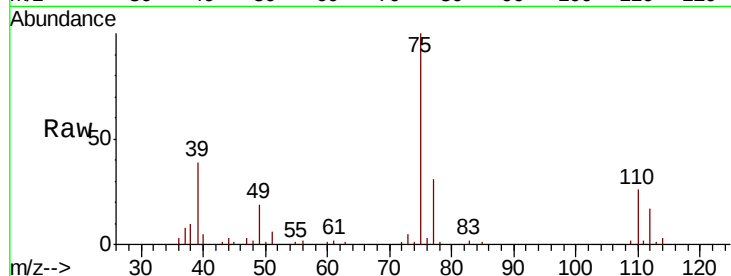
VSTDIC005

Tot Ion: 75 Resp: 44928

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 4.715 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

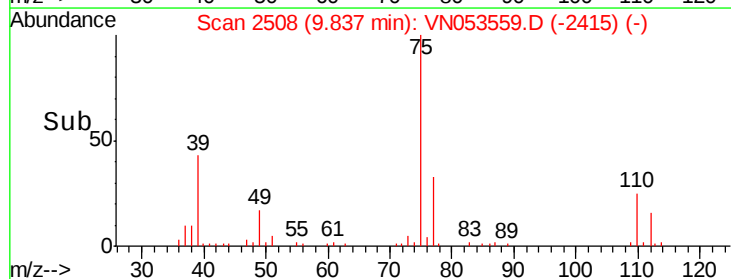
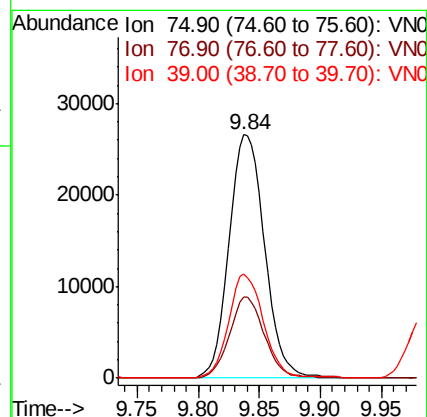
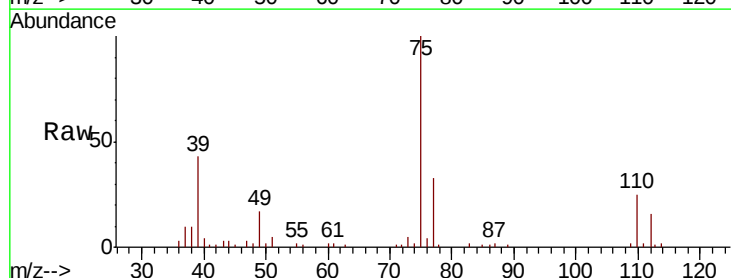
Tgt Ion: 75 Resp: 54155

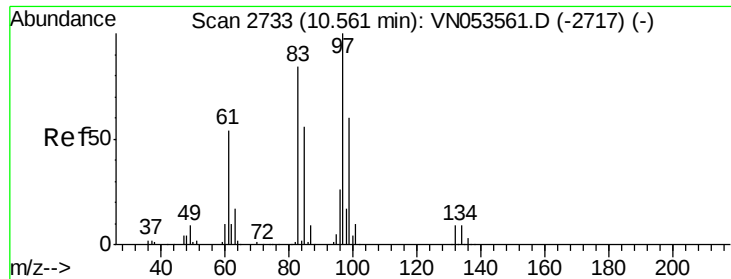
Ion Ratio Lower Upper

75 100

77 33.5 25.8 38.6

39 42.8 33.4 50.0

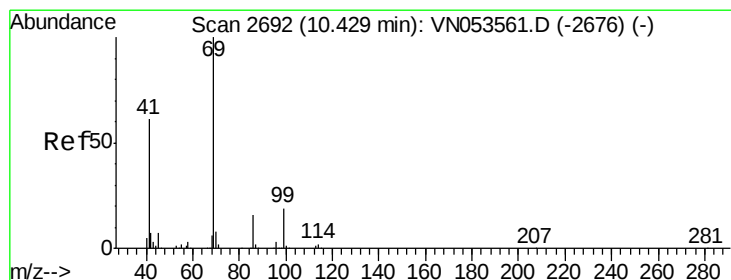
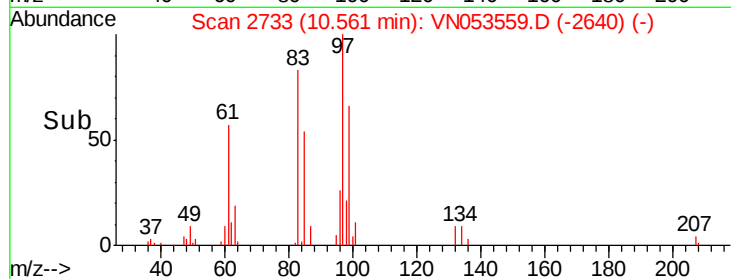
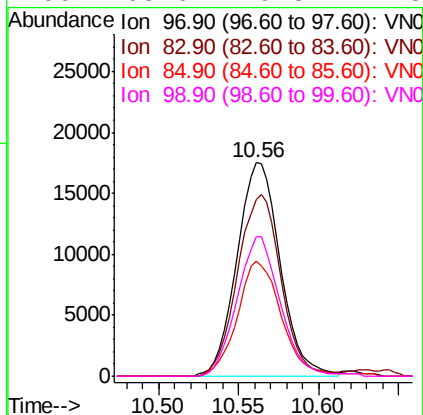
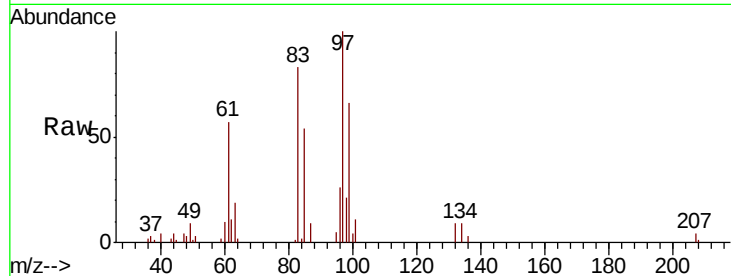




#55
 1,1,2-Trichloroethane
 Concen: 5.010 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

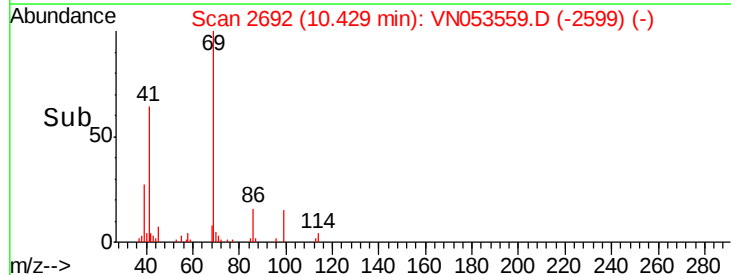
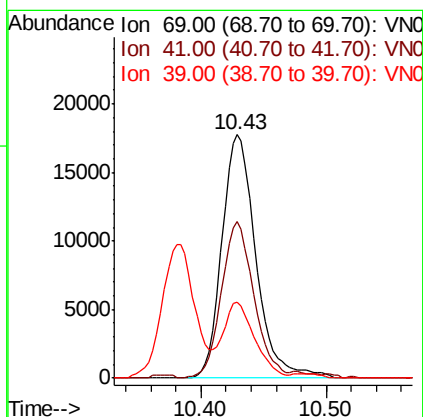
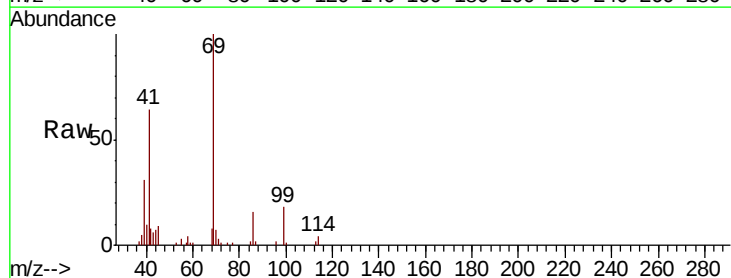
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

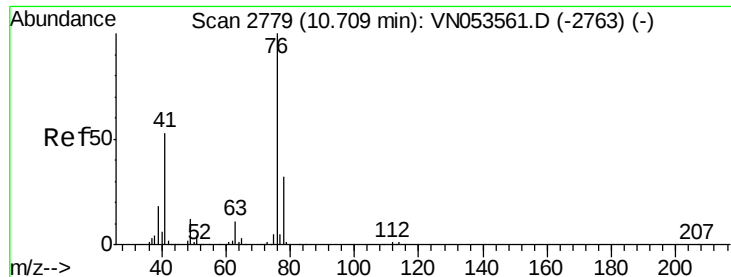
Tot Ion: 97 Resp: 32352
 Ion Ratio Lower Upper
 97 100
 83 82.5 70.1 105.1
 85 53.9 45.4 68.0
 99 65.6 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 4.367 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 69 Resp: 33361
 Ion Ratio Lower Upper
 69 100
 41 61.5 49.4 74.0
 39 29.0 23.3 34.9





#57

1,3-Dichloropropane

Concen: 5.046 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

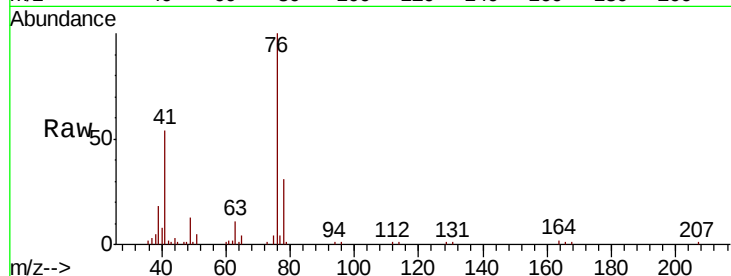
VSTDIC005

Tot Ion: 76 Resp: 55686

Ion Ratio Lower Upper

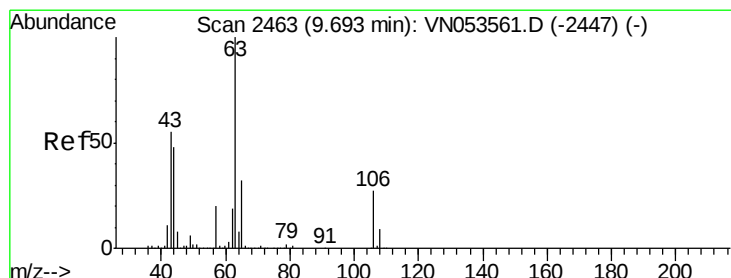
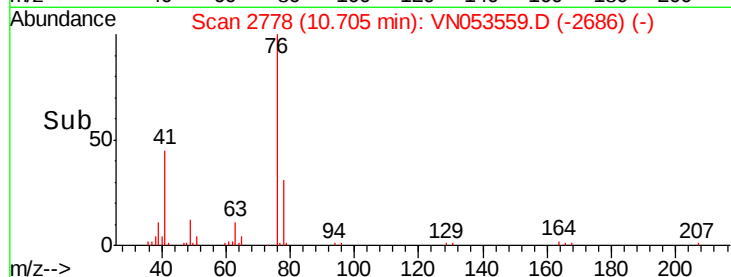
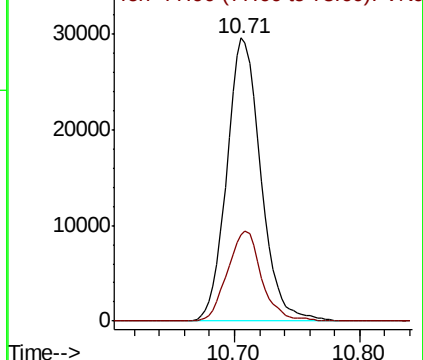
76 100

78 31.8 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 28.178 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053559.D

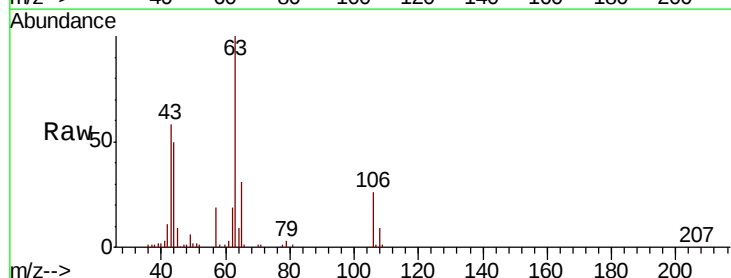
Acq: 30 Jan 2019 9:19

Tgt Ion: 63 Resp: 98712

Ion Ratio Lower Upper

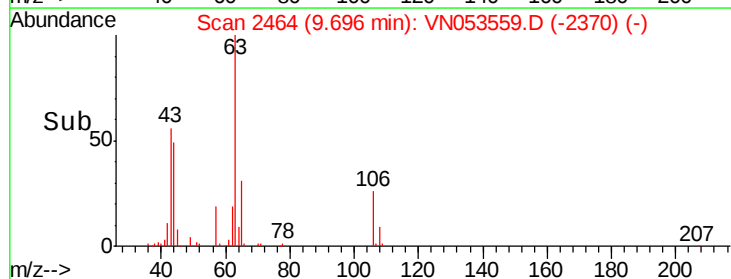
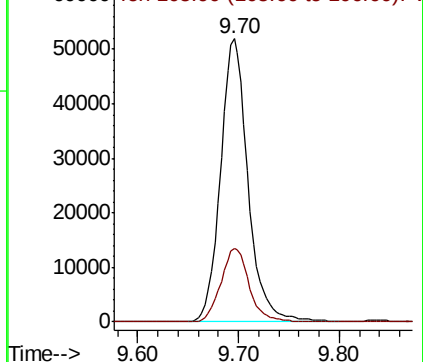
63 100

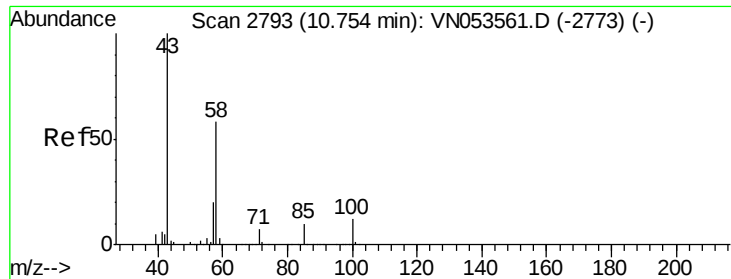
106 26.7 21.5 32.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

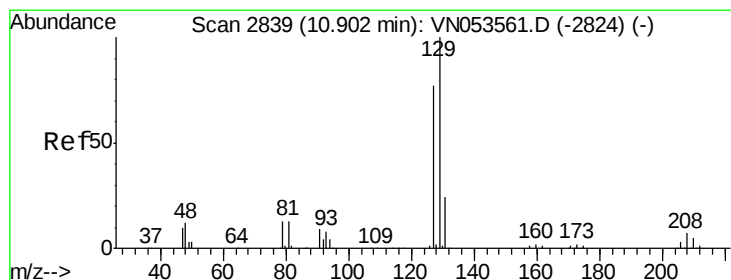
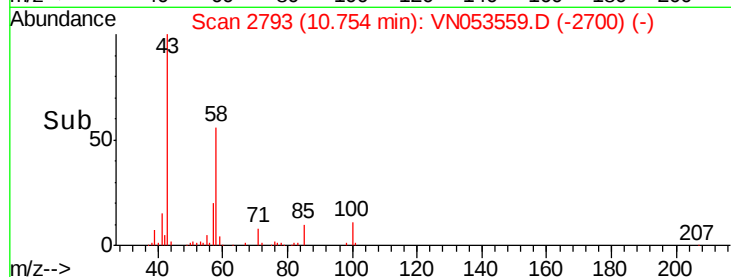
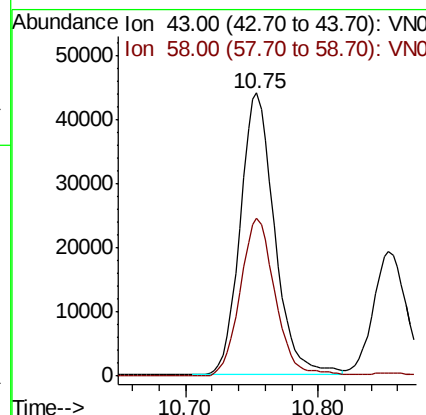
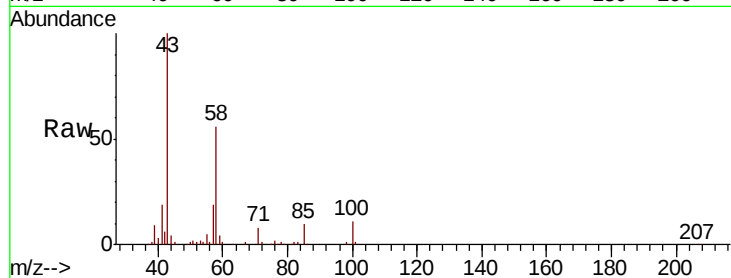




#59
2-Hexanone
Concen: 22.569 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

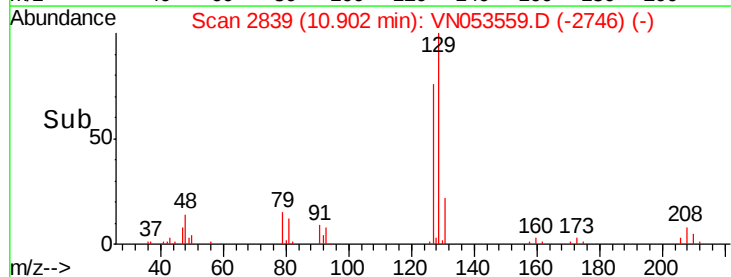
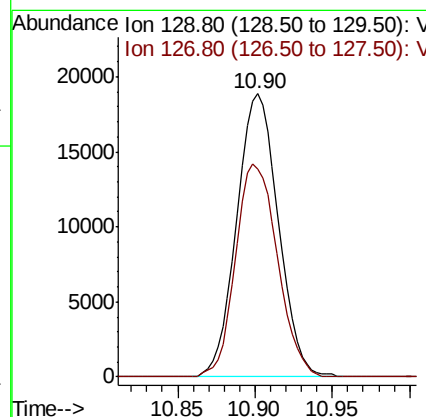
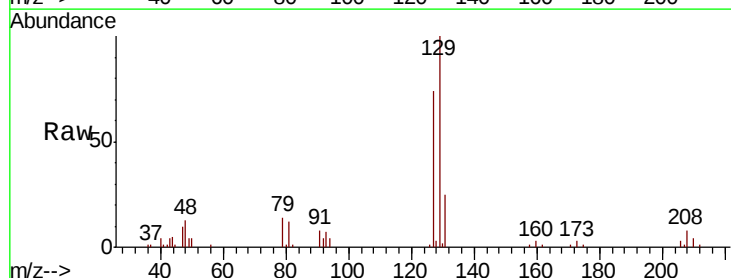
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

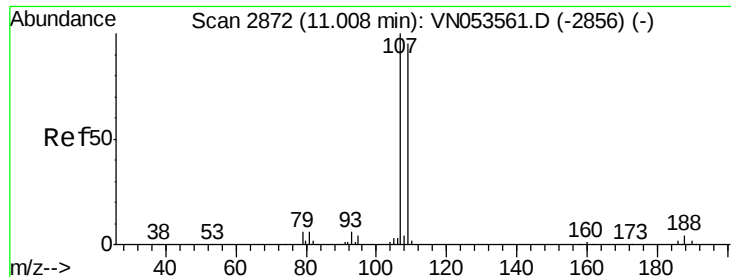
Tot Ion: 43 Resp: 79509
Ion Ratio Lower Upper
43 100
58 57.1 28.6 85.8



#60
Dibromochloromethane
Concen: 4.837 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 129 Resp: 35220
Ion Ratio Lower Upper
129 100
127 75.8 38.6 115.8

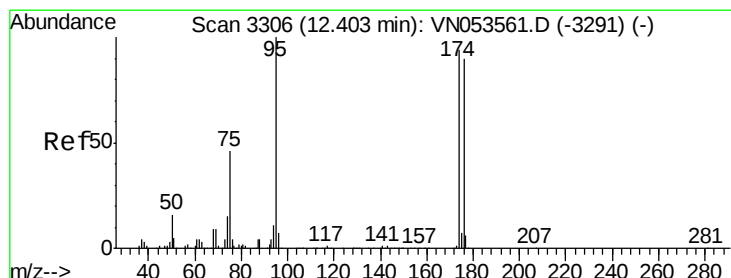
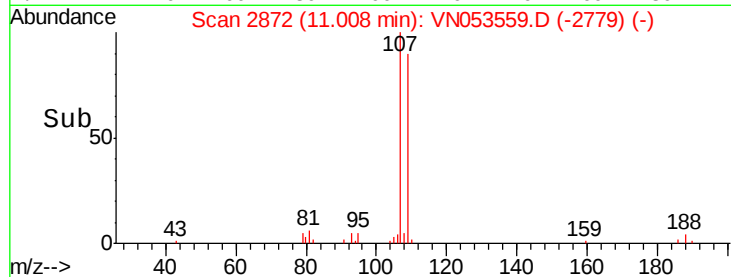
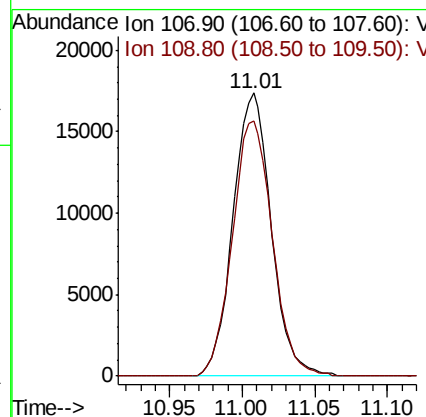
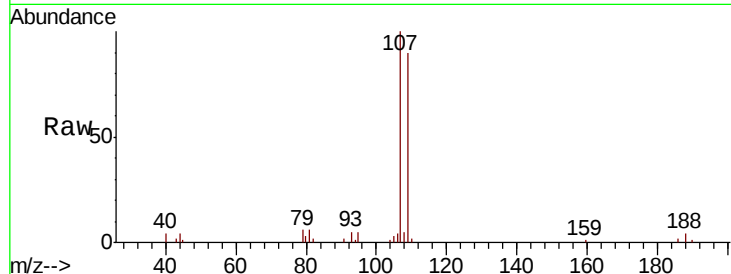




#61
 1,2-Dibromoethane
 Concen: 4.976 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

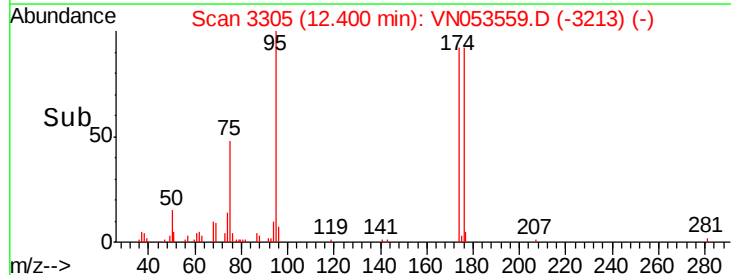
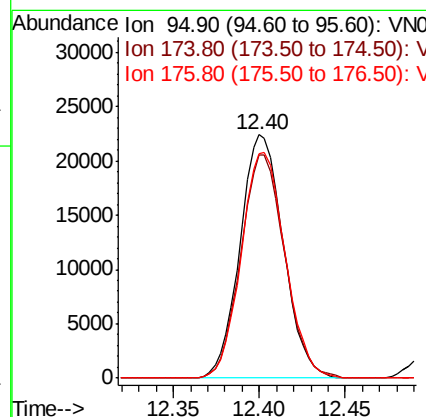
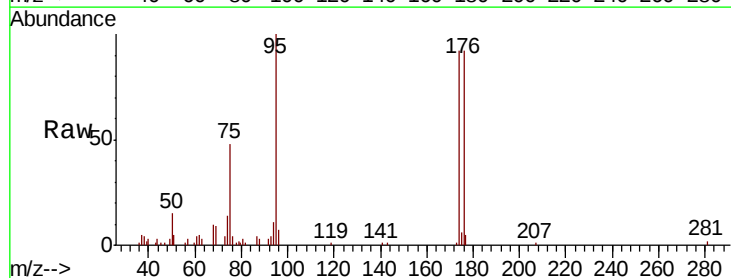
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:107 Resp: 31801
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 4.976 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion: 95 Resp: 39114
 Ion Ratio Lower Upper
 95 100
 174 93.2 0.0 183.2
 176 94.0 0.0 177.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

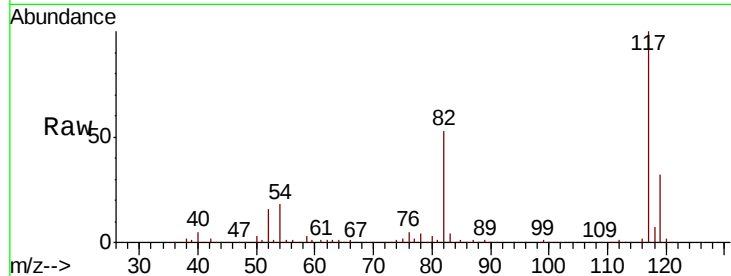
Tot Ion:117 Resp: 927649

Ion Ratio Lower Upper

117 100

82 53.1 42.9 64.3

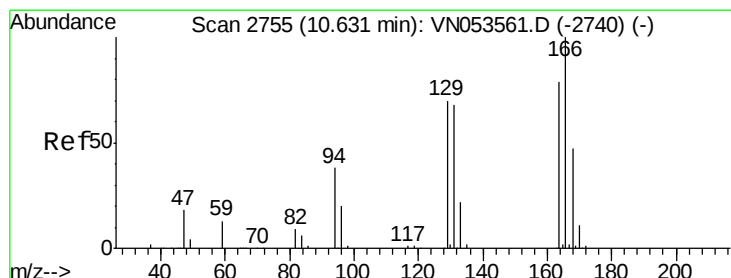
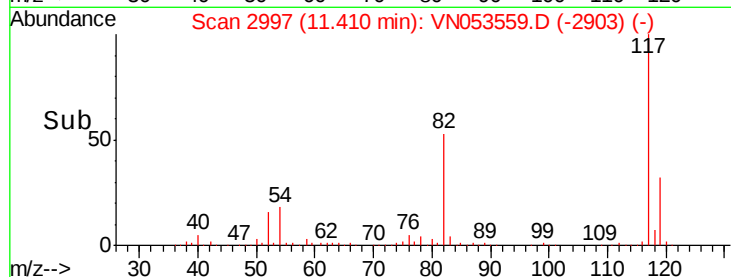
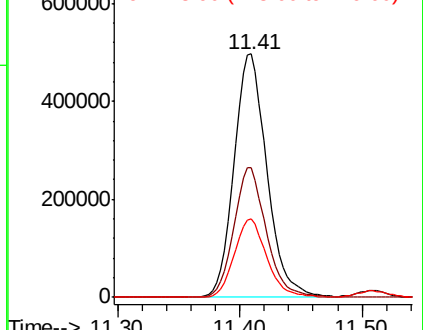
119 32.3 26.0 39.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 5.132 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion:164 Resp: 40812

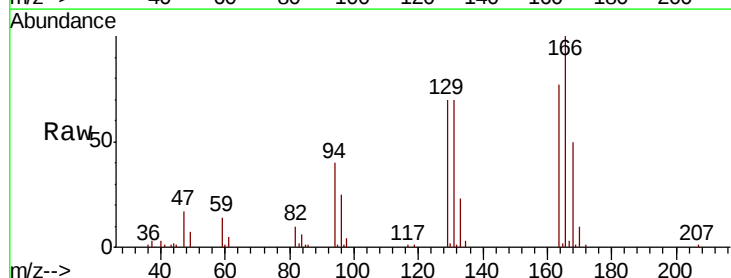
Ion Ratio Lower Upper

164 100

166 130.7 102.2 153.4

129 91.5 72.6 109.0

131 91.2 69.5 104.3

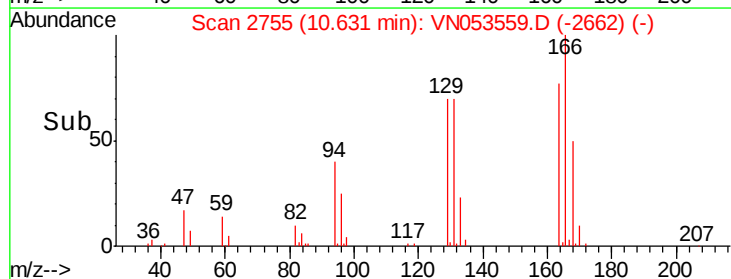
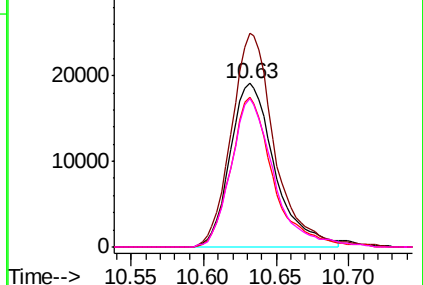


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

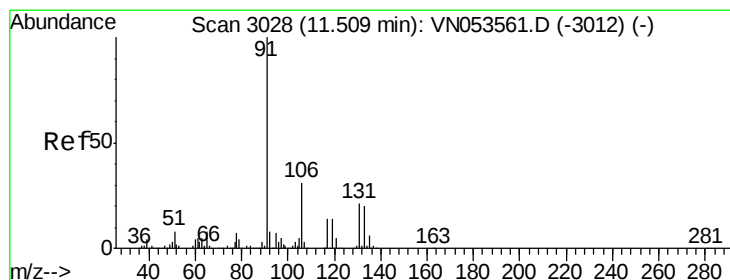
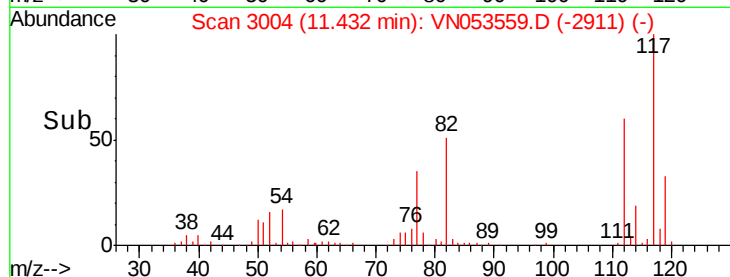
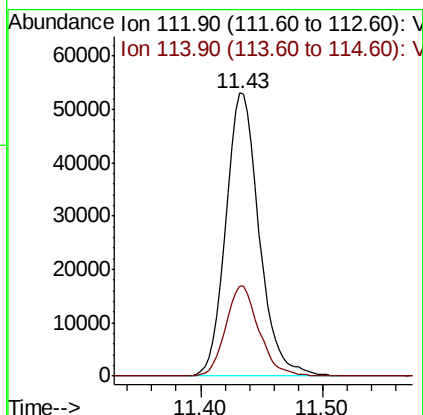
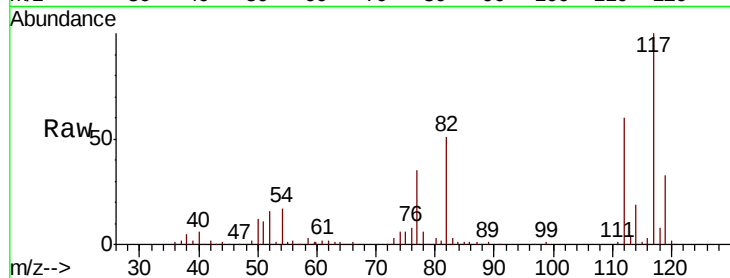




#65
Chlorobenzene
Concen: 5.143 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

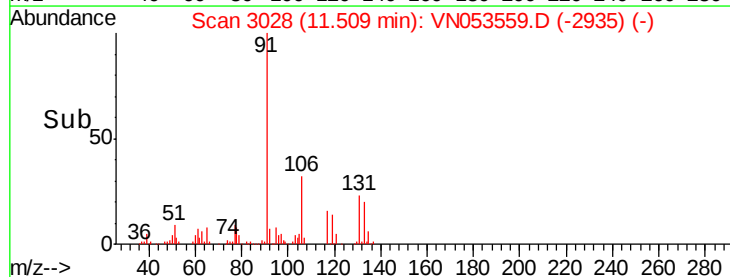
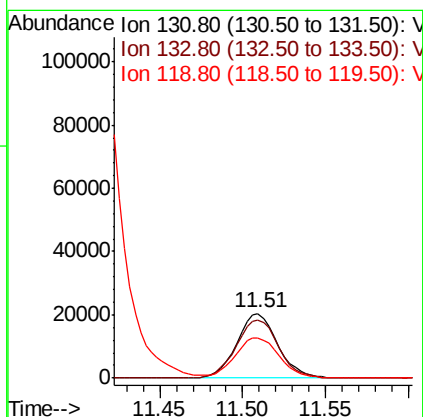
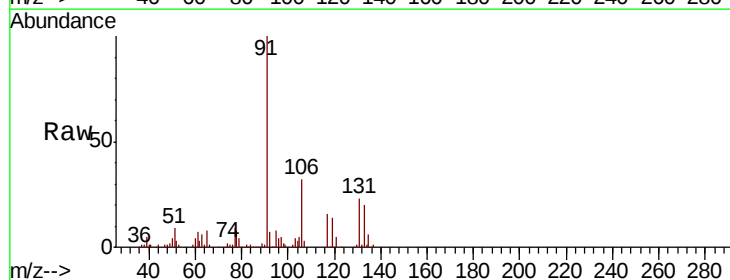
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

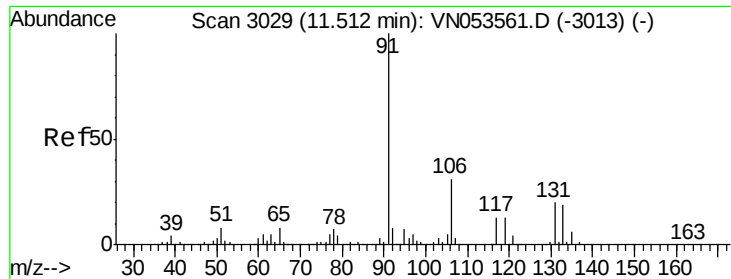
Tot Ion:112 Resp: 101337
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.060 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion:131 Resp: 34818
Ion Ratio Lower Upper
131 100
133 94.1 48.0 144.0
119 68.6 33.5 100.5

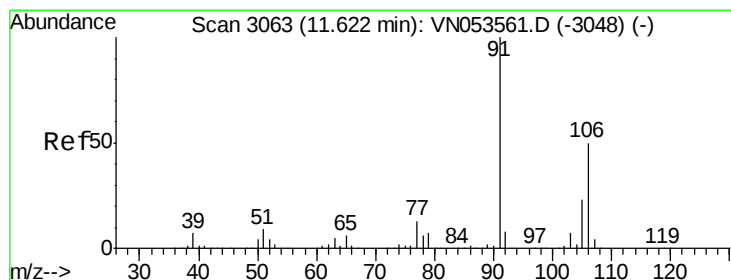
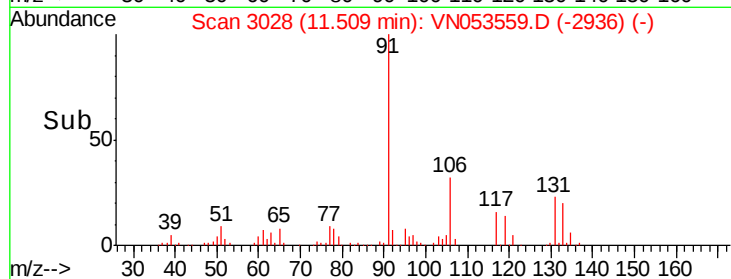
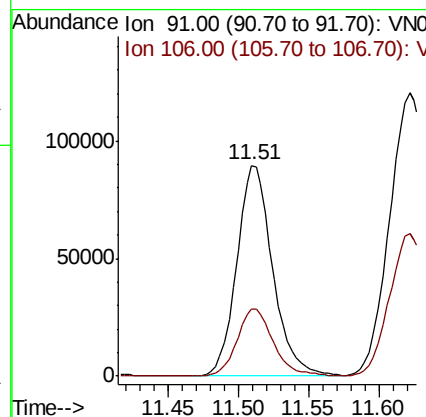
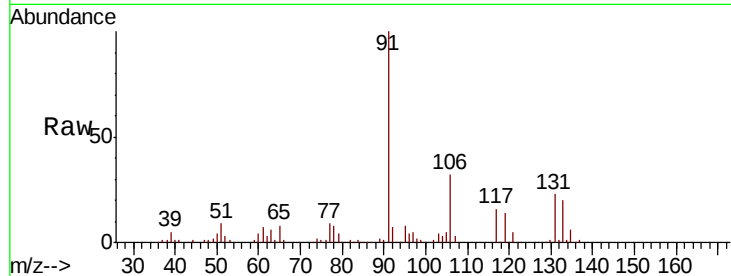




#67
Ethyl Benzene
Concen: 4.936 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

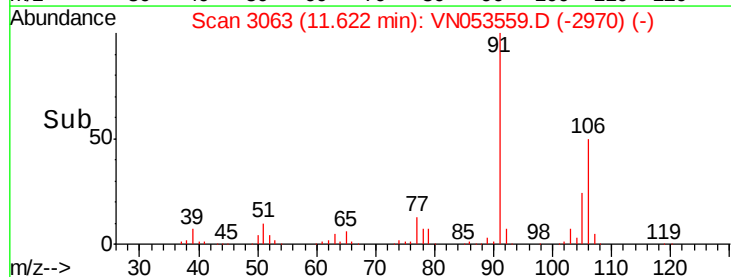
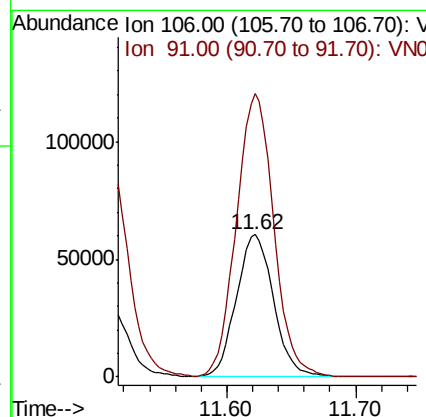
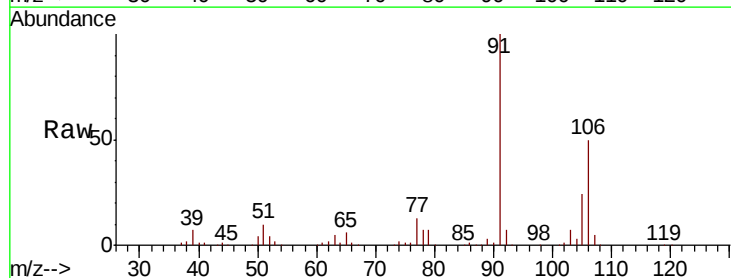
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

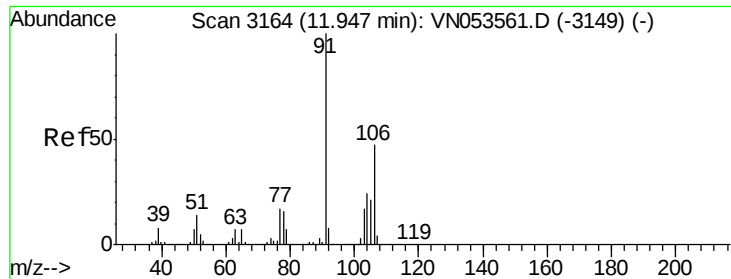
Tot Ion: 91 Resp: 159771
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6



#68
m/p-Xylenes
Concen: 9.831 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 106 Resp: 121448
Ion Ratio Lower Upper
106 100
91 200.1 161.4 242.2

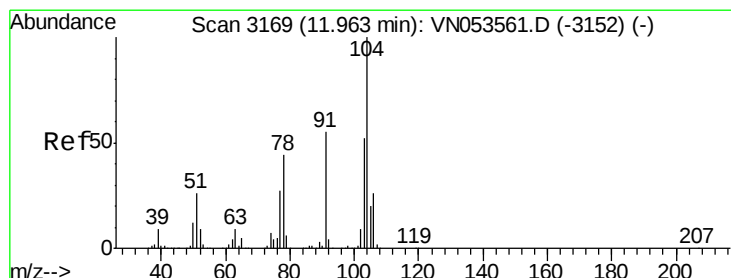
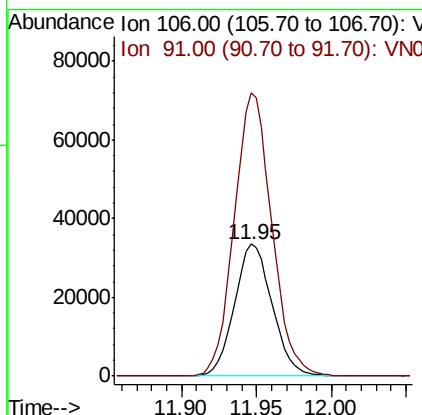
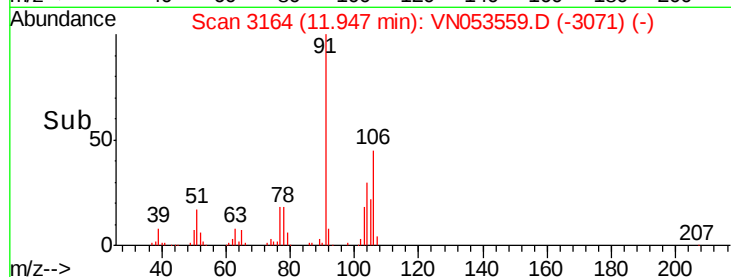
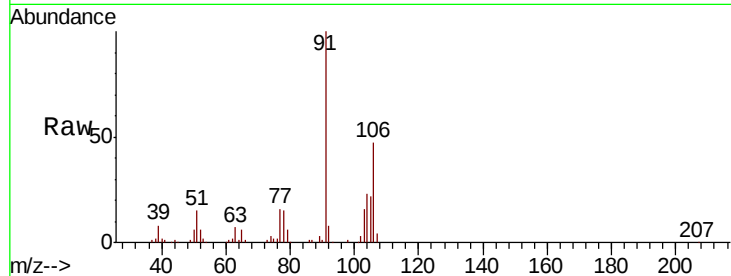




#69
o-Xylene
Concen: 4.932 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

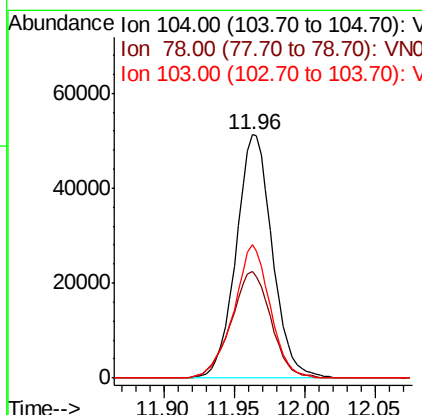
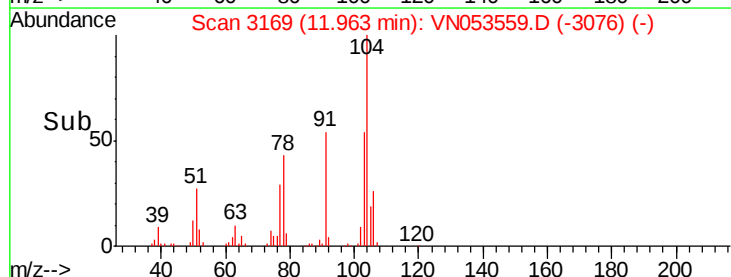
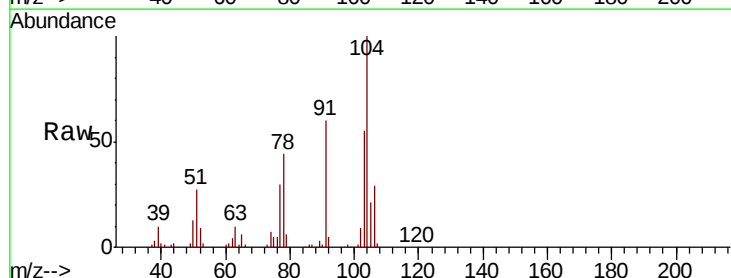
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

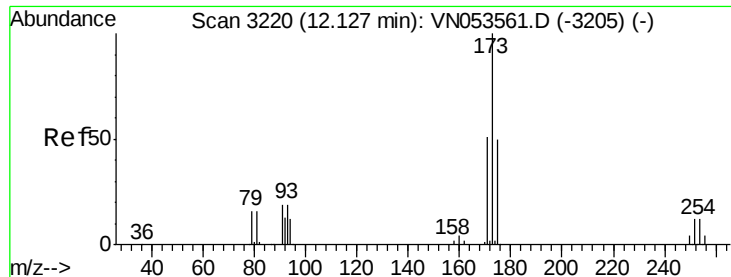
Tot Ion:106 Resp: 58863
Ion Ratio Lower Upper
106 100
91 213.7 106.9 320.8



#70
Styrene
Concen: 4.762 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion:104 Resp: 92120
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.1 44.4 66.6





#71

Bromoform

Concen: 4.667 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

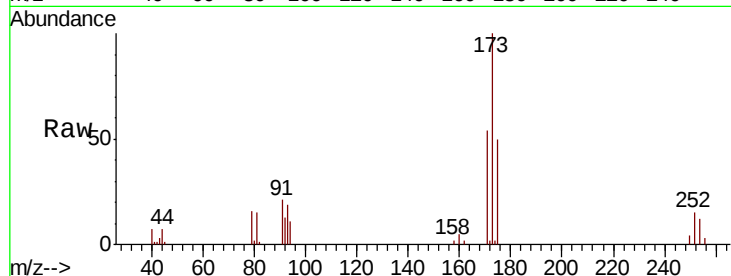
Tot Ion:173 Resp: 22018

Ion Ratio Lower Upper

173 100

175 49.7 24.6 74.0

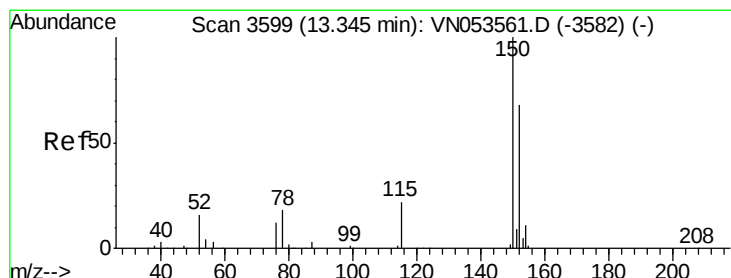
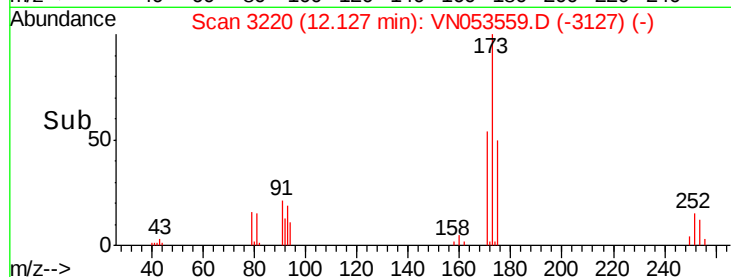
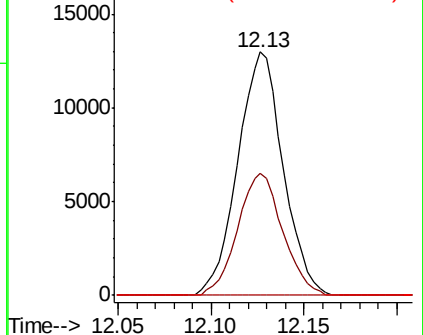
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

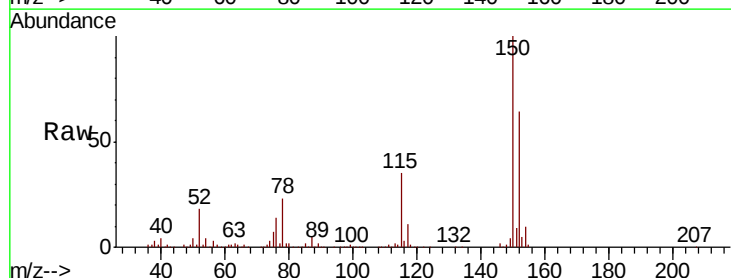
Tgt Ion:152 Resp: 419556

Ion Ratio Lower Upper

152 100

115 54.5 27.8 83.4

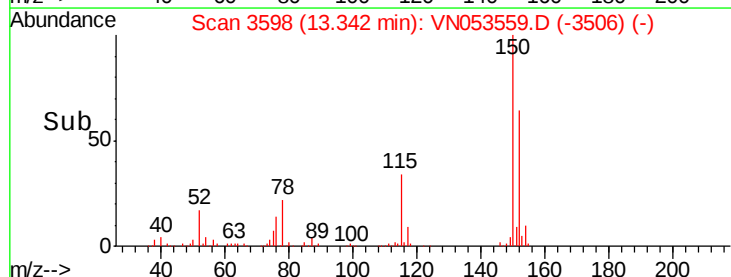
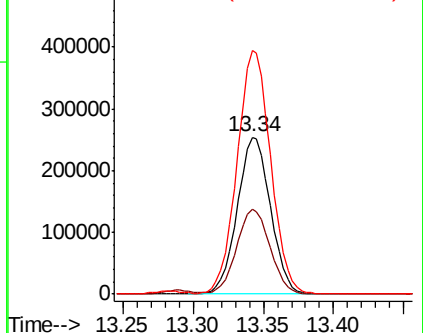
150 156.5 0.0 349.0

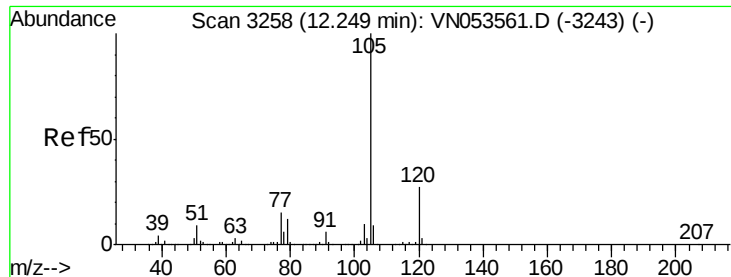


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.203 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

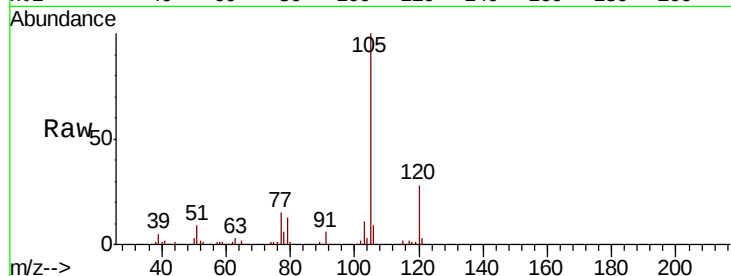
VSTDIC005

Tot Ion:105 Resp: 153460

Ion Ratio Lower Upper

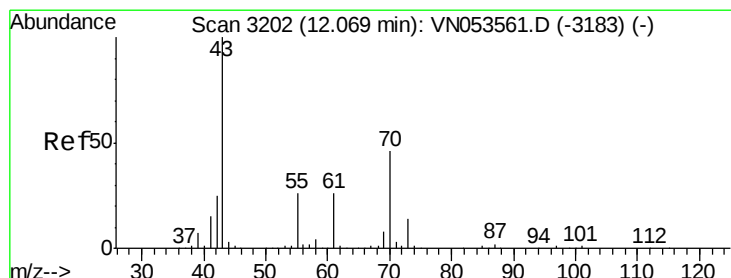
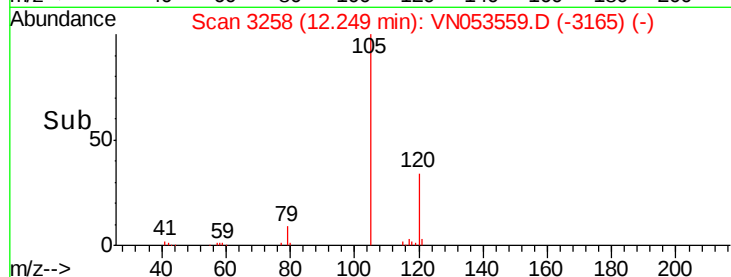
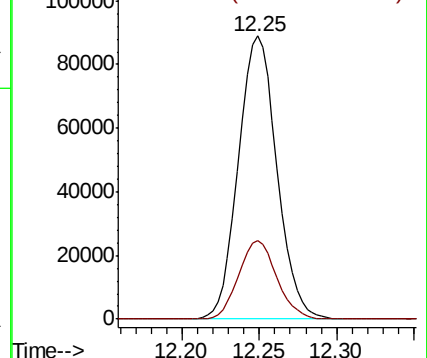
105 100

120 27.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.925 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion: 43 Resp: 34933

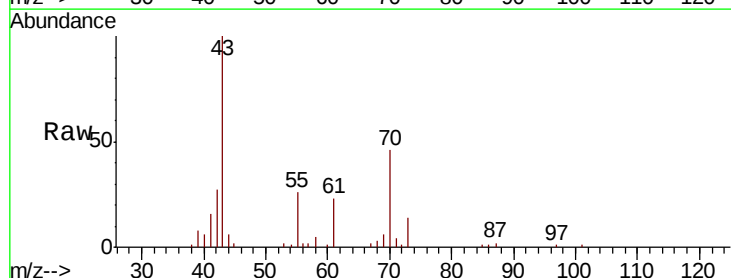
Ion Ratio Lower Upper

43 100

70 42.3 35.4 53.2

55 25.7 20.9 31.3

61 23.3 20.5 30.7

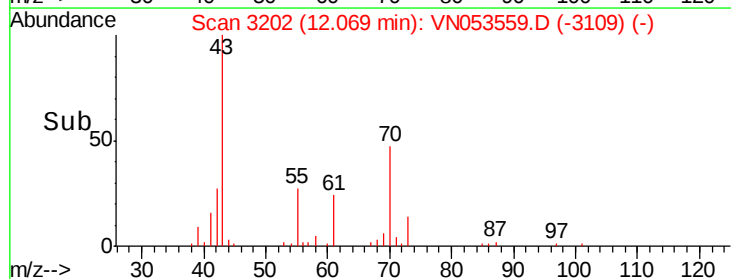
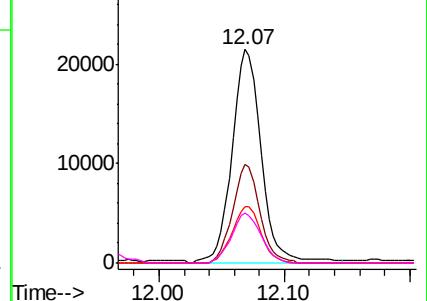


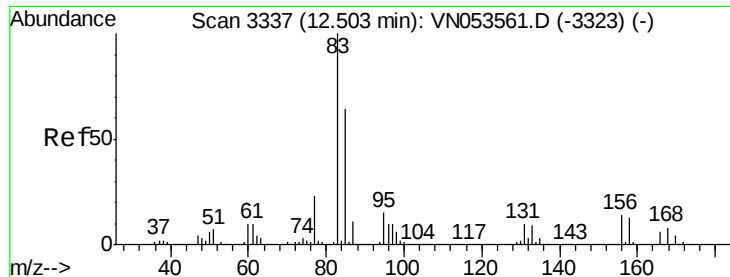
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.316 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

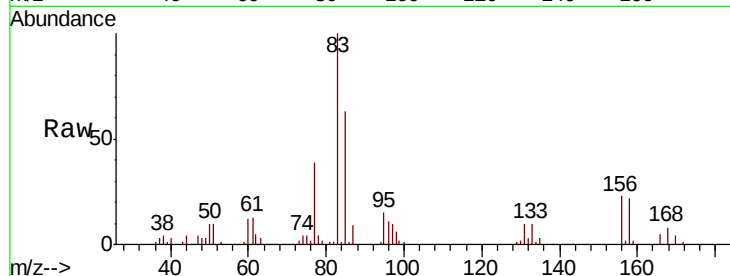
Tot Ion: 83 Resp: 37526

Ion Ratio Lower Upper

83 100

131 10.2 5.3 15.8

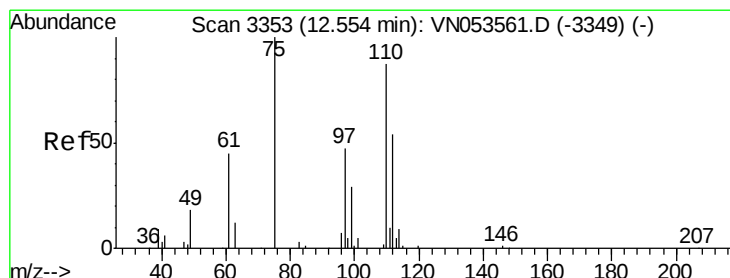
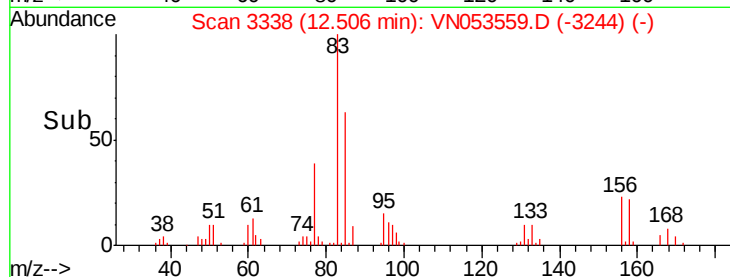
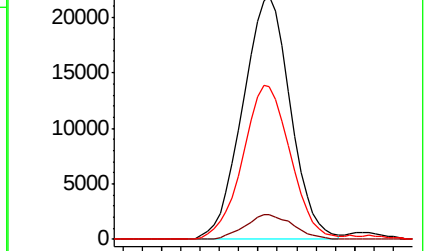
85 63.0 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN053559.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN053559.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN053559.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 7.722 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053559.D

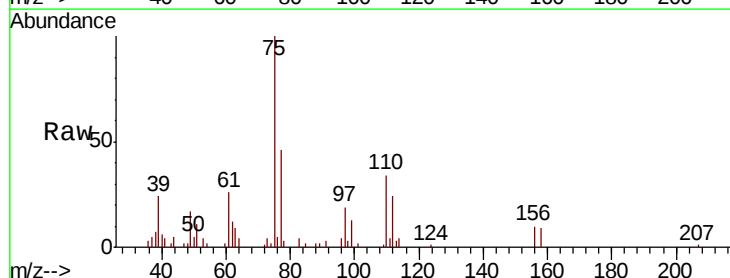
Acq: 30 Jan 2019 9:19

Tgt Ion: 75 Resp: 41612

Ion Ratio Lower Upper

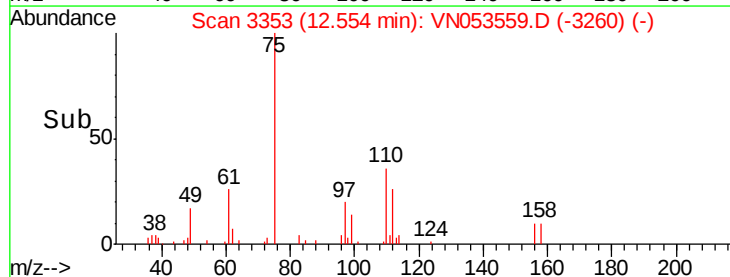
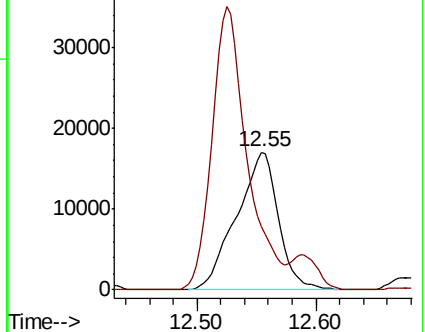
75 100

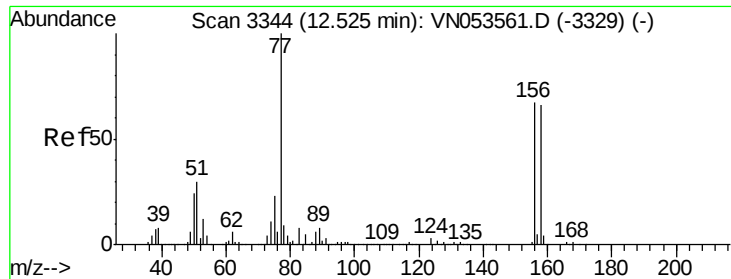
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053559.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN053559.D (-3353) (-)





#77

Bromobenzene

Concen: 5.076 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

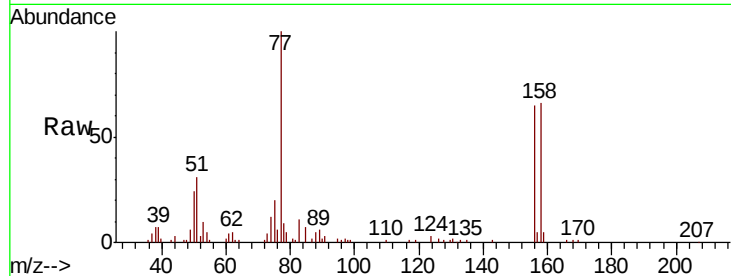
Tot Ion:156 Resp: 40352

Ion Ratio Lower Upper

156 100

77 177.0 87.9 263.8

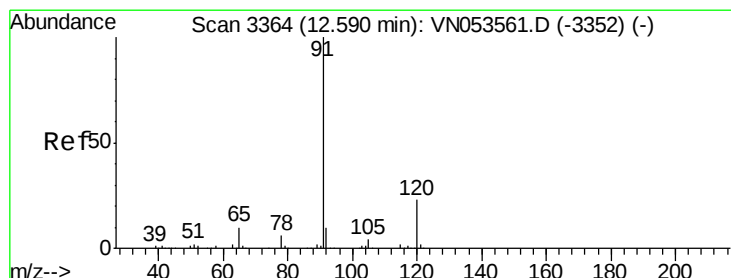
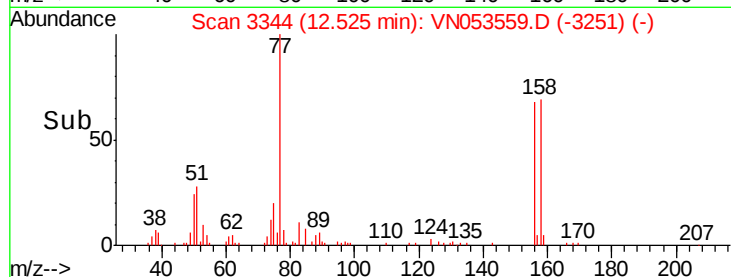
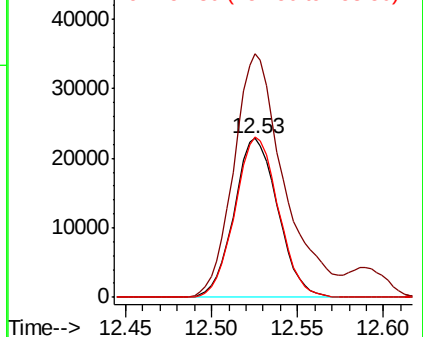
158 100.3 48.8 146.4



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: 5.065 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053559.D

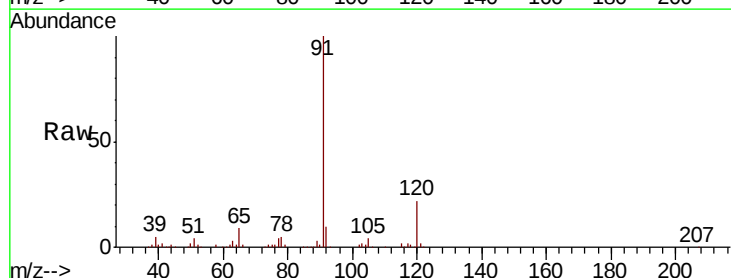
Acq: 30 Jan 2019 9:19

Tgt Ion: 91 Resp: 172711

Ion Ratio Lower Upper

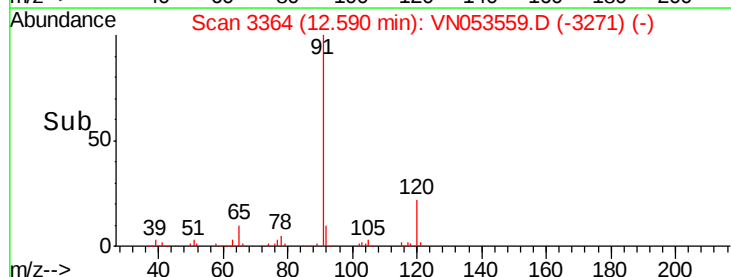
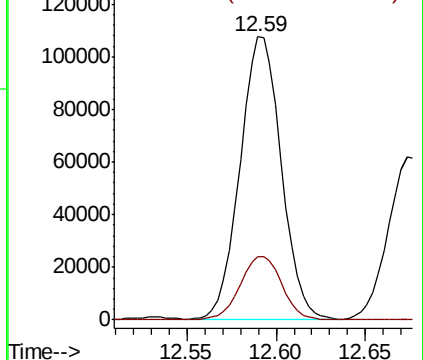
91 100

120 22.7 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.177 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

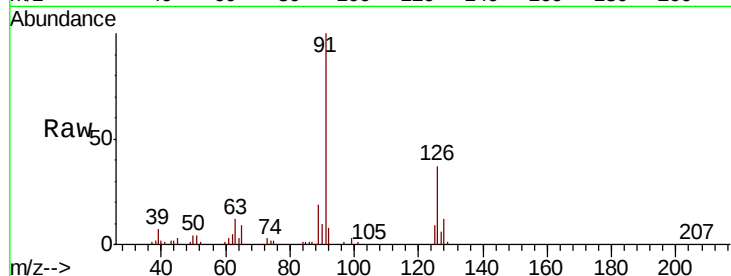
VSTDIC005

Tot Ion: 91 Resp: 104722

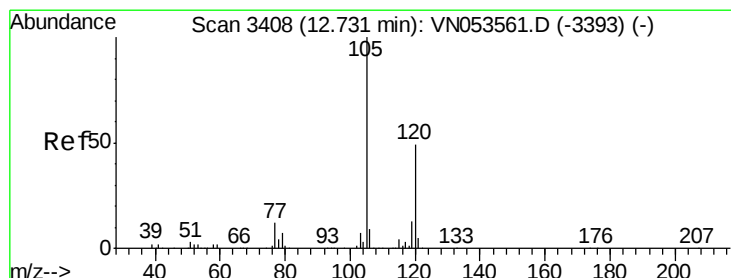
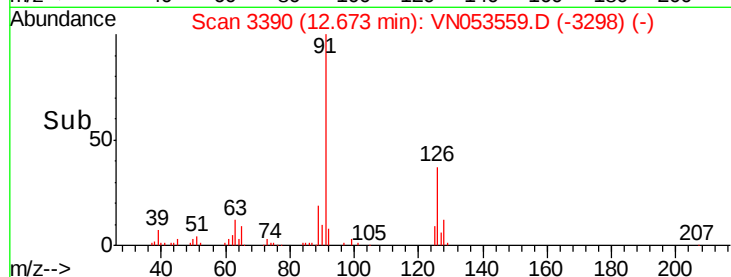
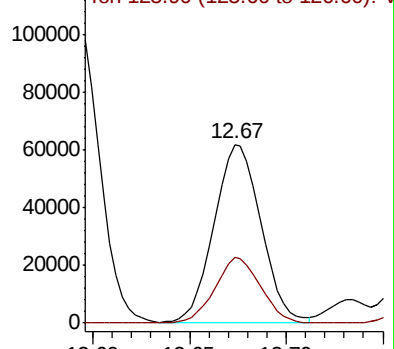
Ion Ratio Lower Upper

91 100

126 35.9 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.100 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053559.D

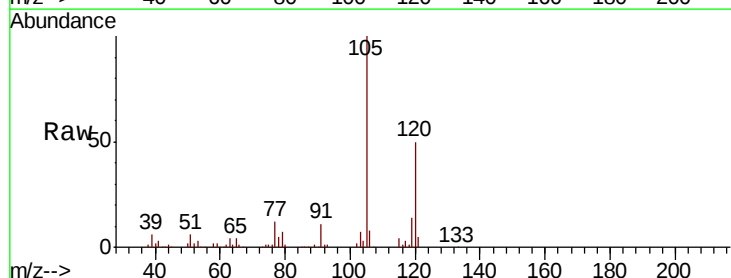
Acq: 30 Jan 2019 9:19

Tgt Ion: 105 Resp: 124745

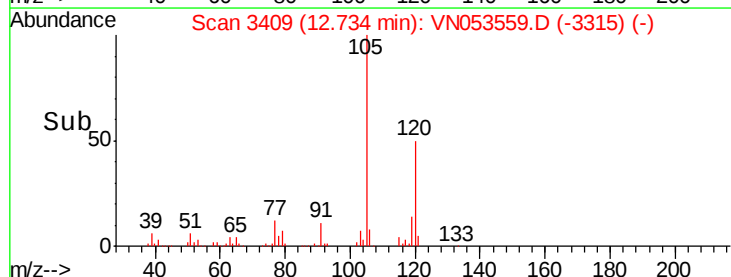
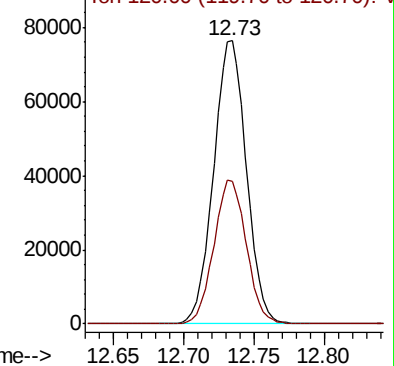
Ion Ratio Lower Upper

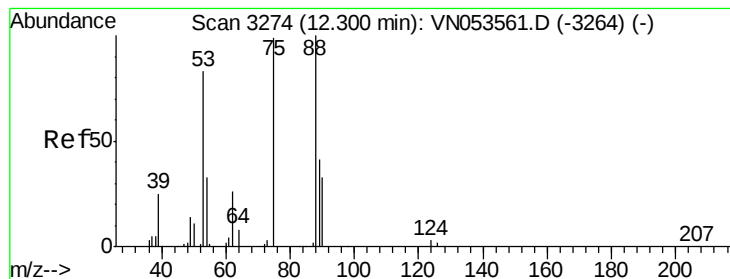
105 100

120 50.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.679 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

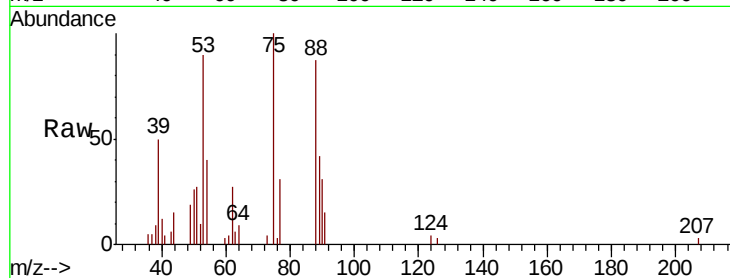
Tot Ion: 75 Resp: 8967

Ion Ratio Lower Upper

75 100

53 96.6 69.8 104.6

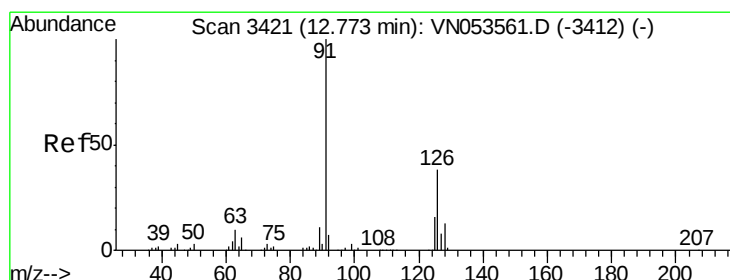
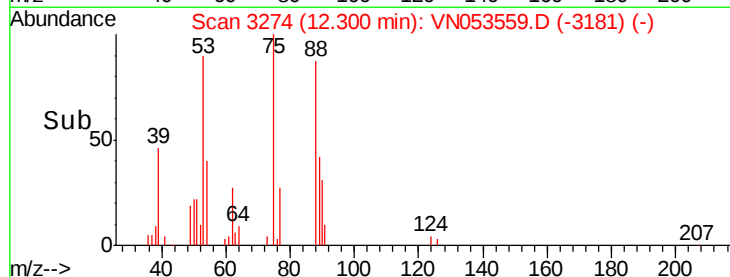
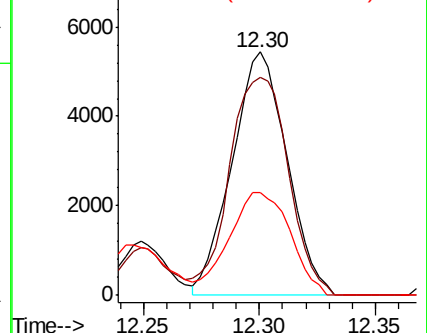
89 47.0 35.6 53.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.119 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053559.D

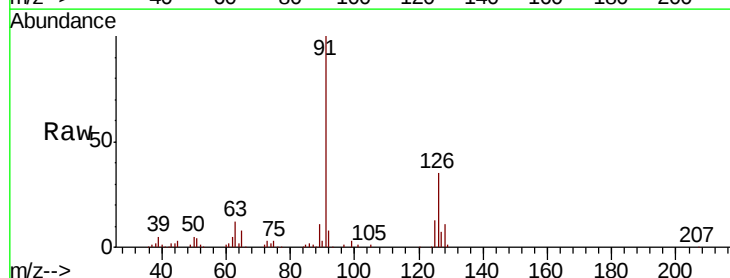
Acq: 30 Jan 2019 9:19

Tgt Ion: 91 Resp: 106263

Ion Ratio Lower Upper

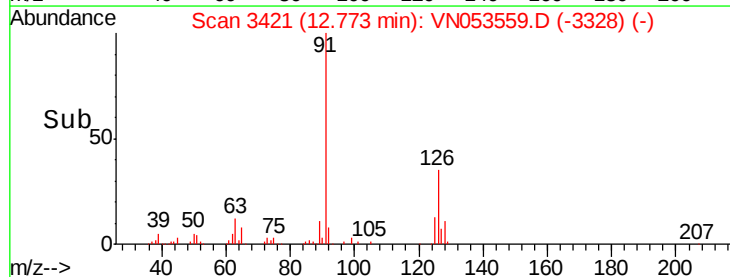
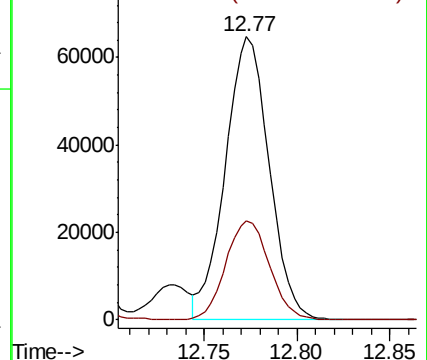
91 100

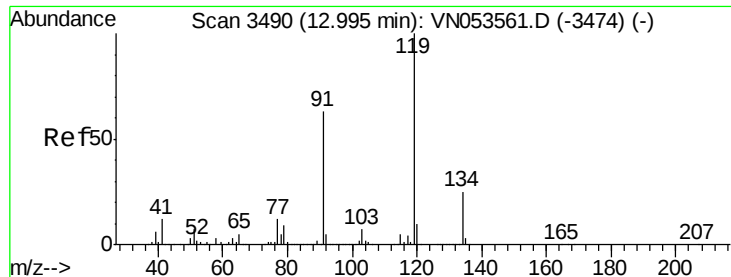
126 34.9 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

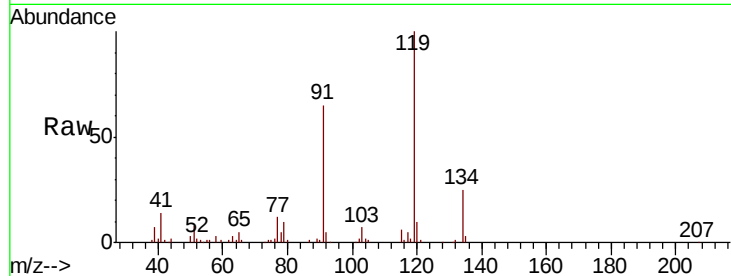




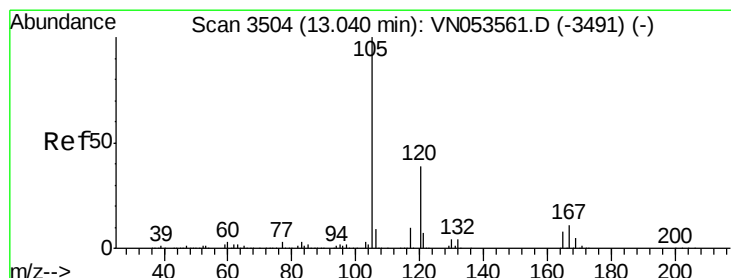
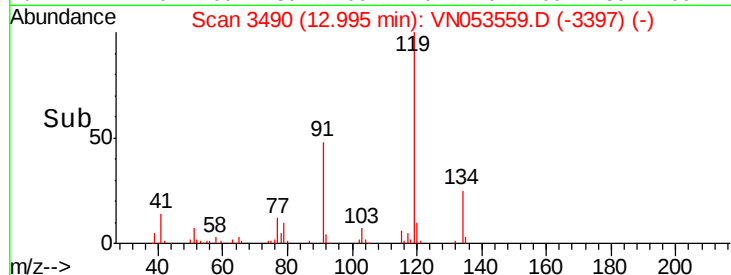
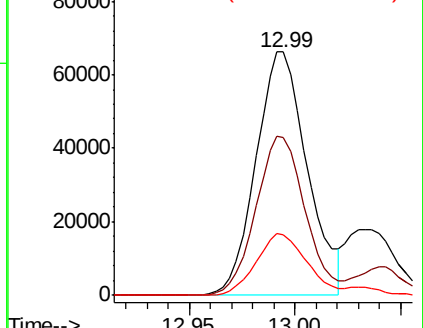
#83
tert-Butylbenzene
Concen: 5.195 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.3	93.8
134	25.1	12.9	38.7

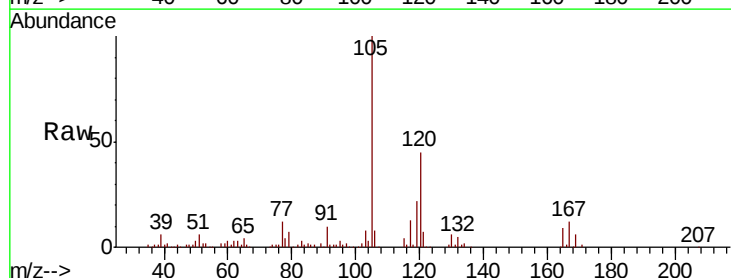


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

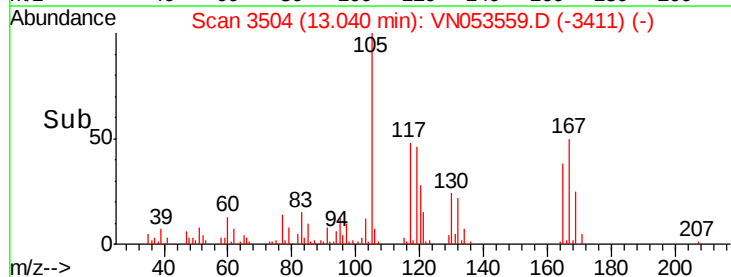
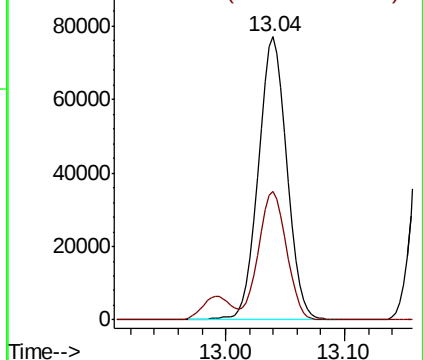


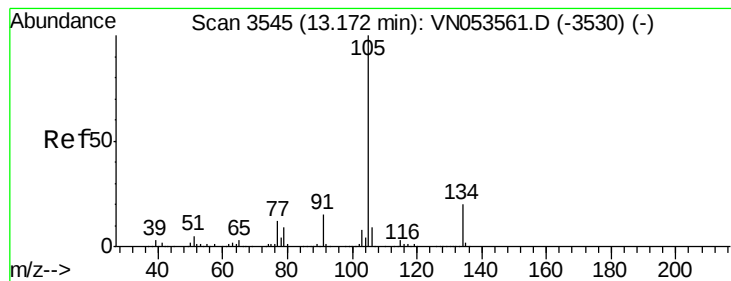
#84
1,2,4-Trimethylbenzene
Concen: 5.126 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	23.0	69.0



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





#85

sec-Butylbenzene

Concen: 5.226 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

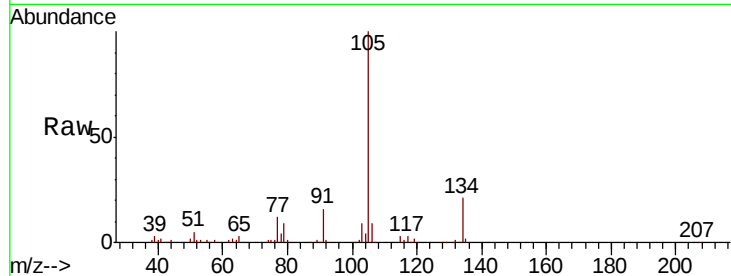
VSTDIC005

Tot Ion:105 Resp: 153728

Ion Ratio Lower Upper

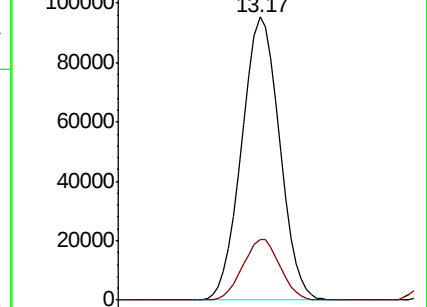
105 100

134 21.0 10.2 30.6

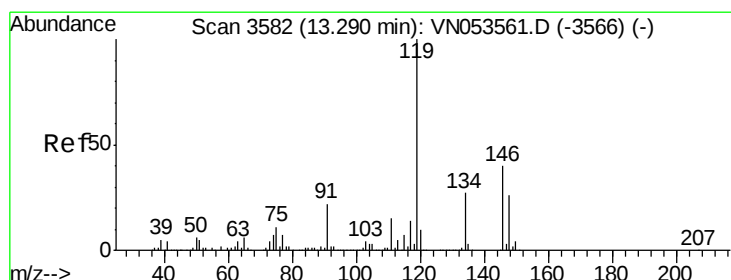
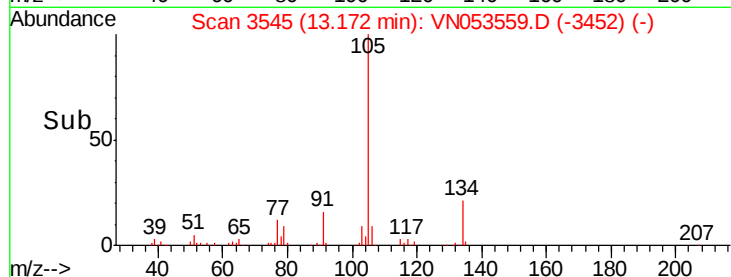


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 5.036 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

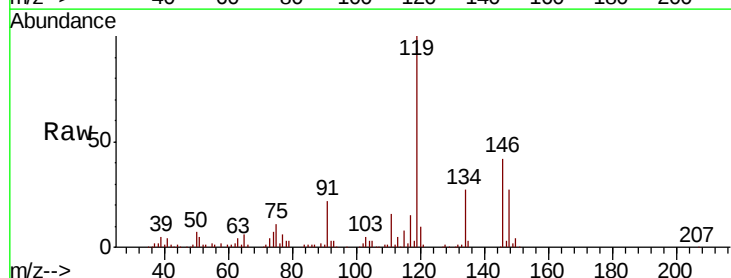
Tgt Ion:119 Resp: 129558

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

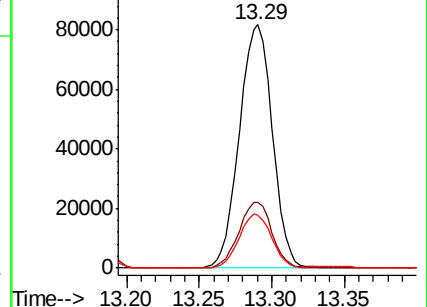
91 21.8 11.0 33.0



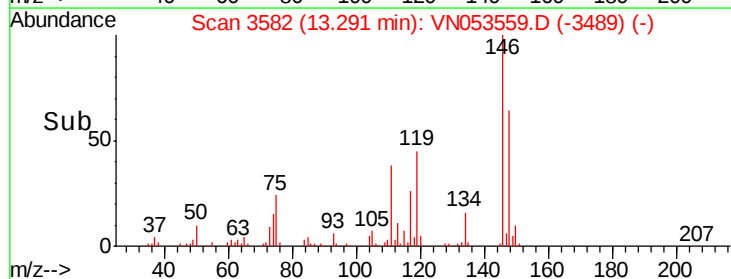
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->

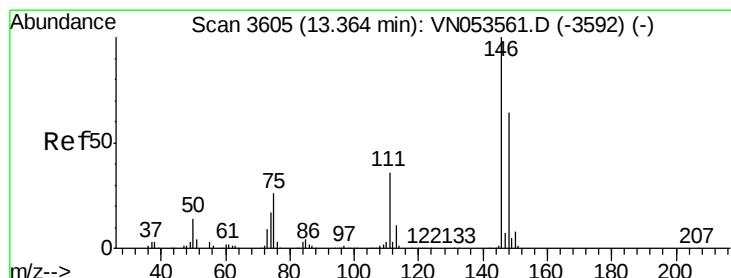
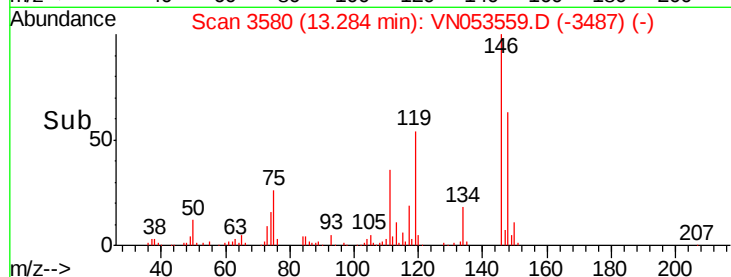
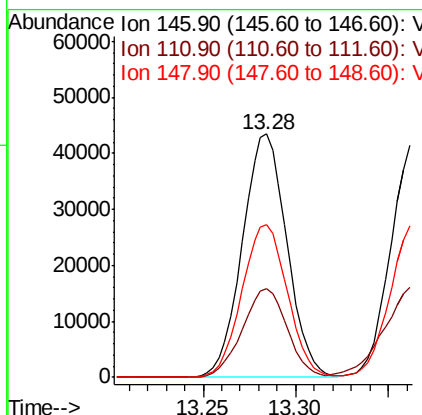
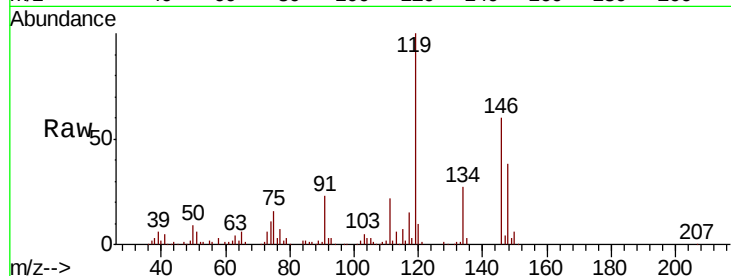




#87
 1,3-Dichlorobenzene
 Concen: 5.054 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

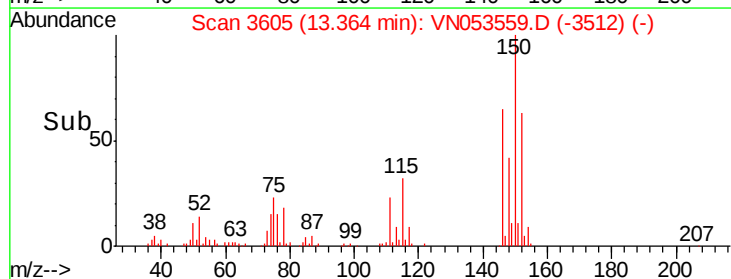
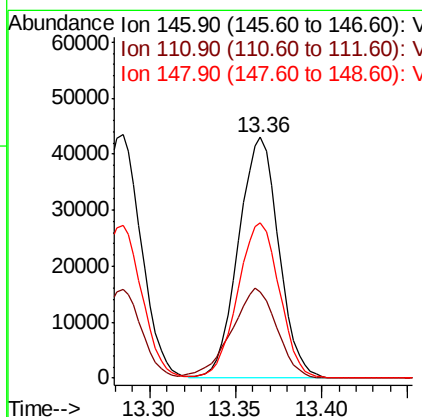
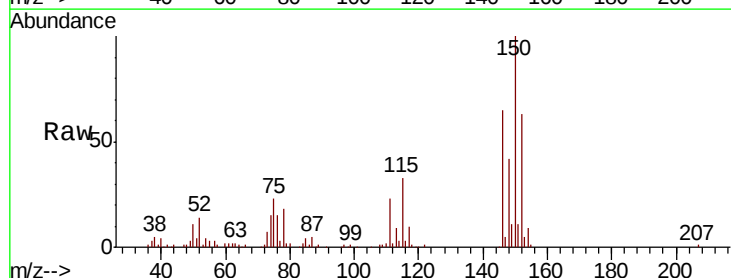
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

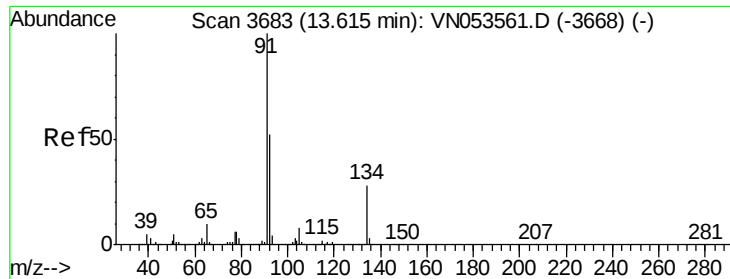
Tot Ion:146 Resp: 72219
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.8 56.3
 148 64.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 4.968 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion:146 Resp: 70228
 Ion Ratio Lower Upper
 146 100
 111 42.1 18.6 55.8
 148 66.8 32.4 97.0

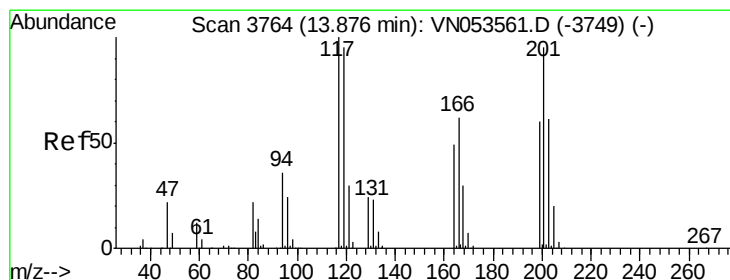
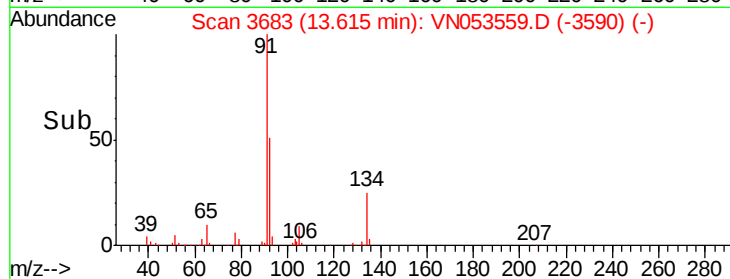
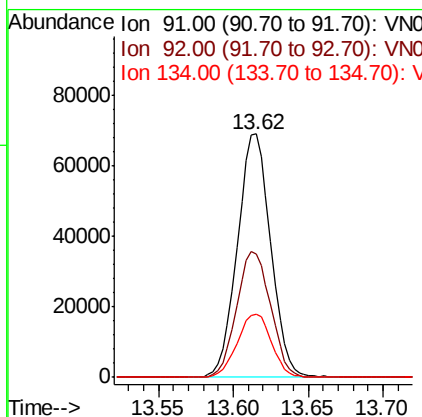
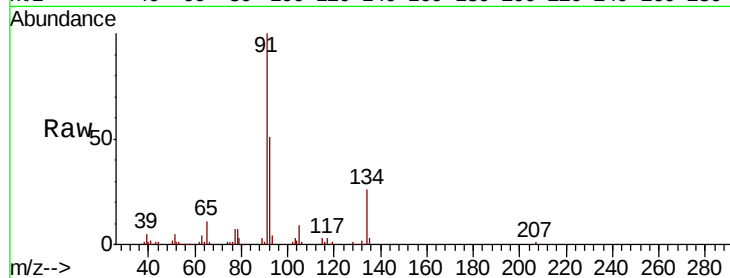




#89
n-Butylbenzene
Concen: 4.813 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

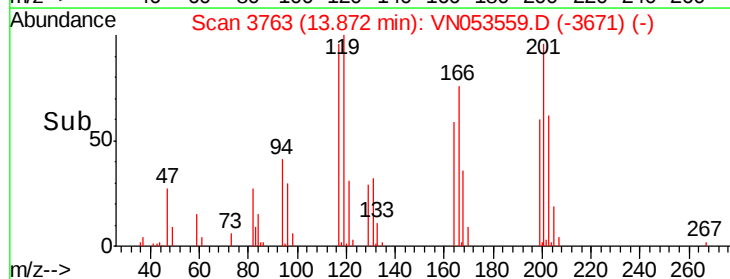
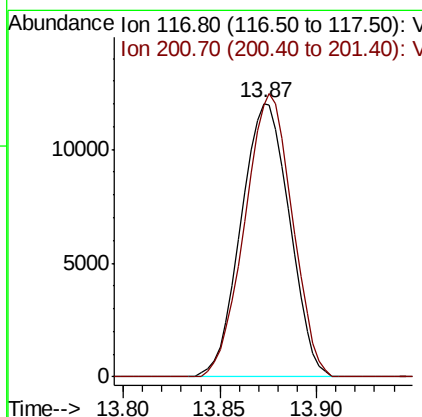
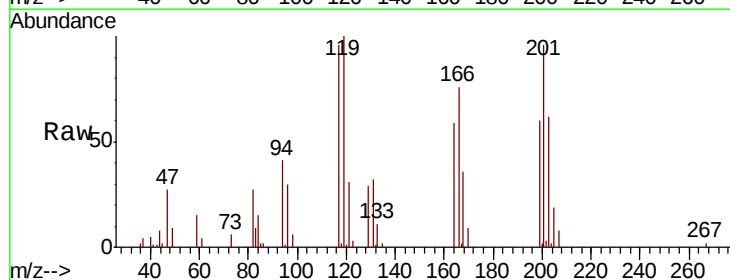
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

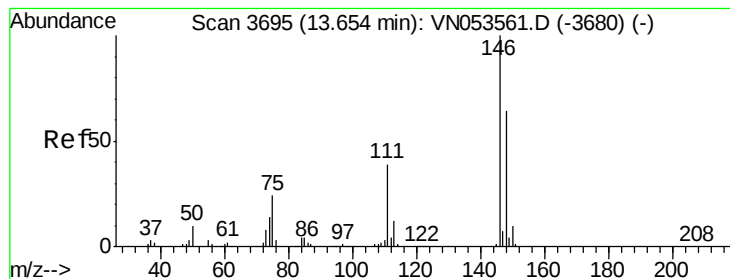
Tot Ion: 91 Resp: 107175
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 26.7 13.5 40.5



#90
Hexachloroethane
Concen: 4.936 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053559.D
Acq: 30 Jan 2019 9:19

Tgt Ion: 117 Resp: 20947
Ion Ratio Lower Upper
117 100
201 101.5 46.8 140.4





#91

1,2-Dichlorobenzene

Concen: 5.144 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

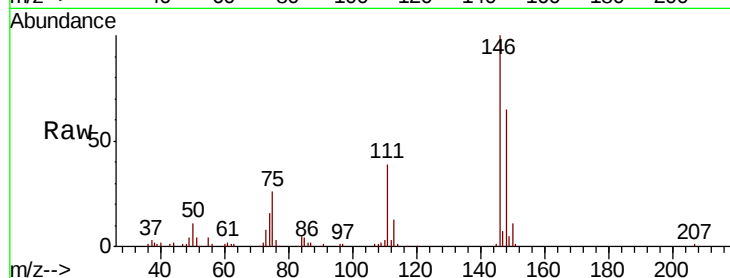
Tot Ion:146 Resp: 70372

Ion Ratio Lower Upper

146 100

111 38.0 19.5 58.5

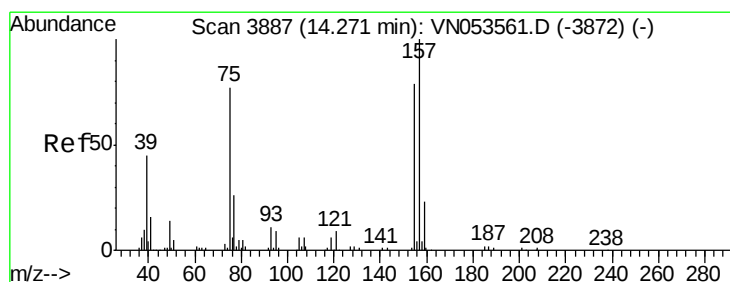
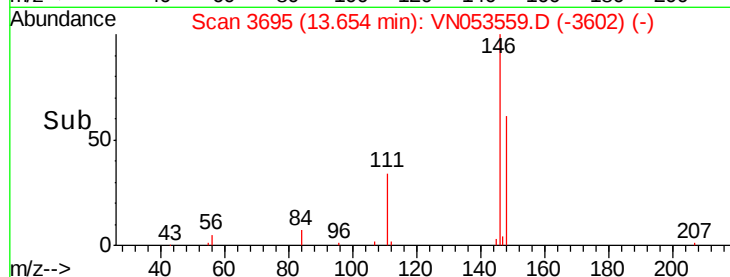
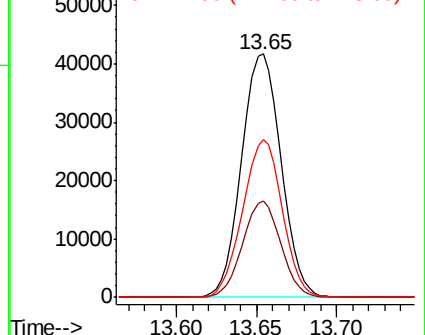
148 64.7 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.842 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

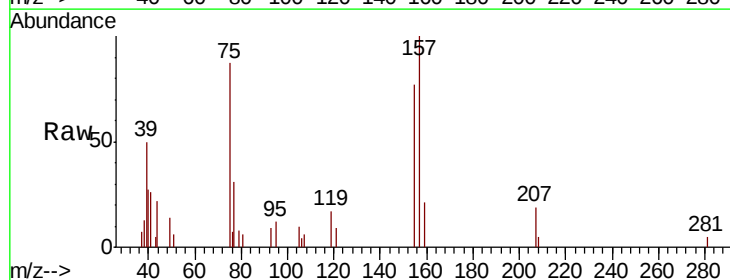
Tgt Ion: 75 Resp: 4871

Ion Ratio Lower Upper

75 100

155 93.9 48.9 146.7

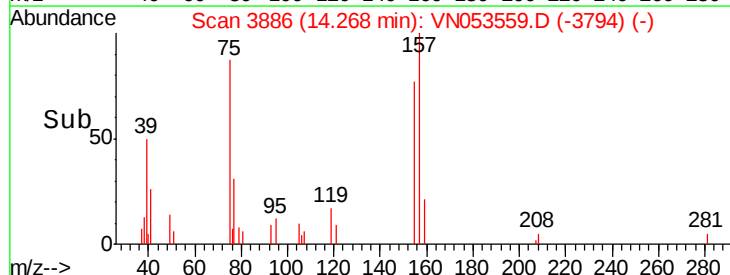
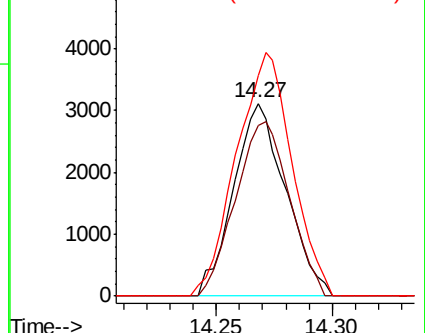
157 134.8 63.7 191.3

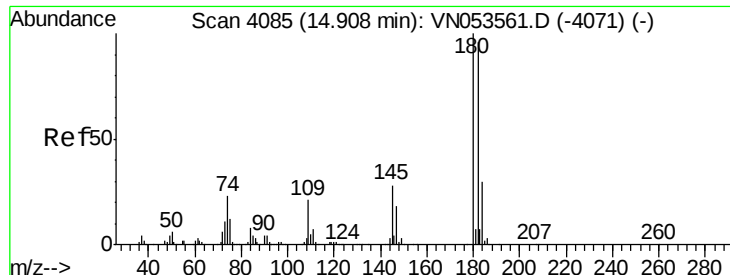


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

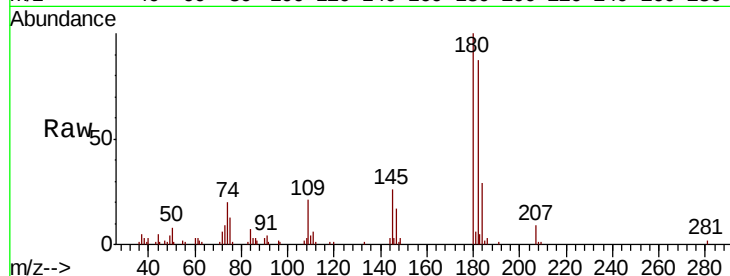




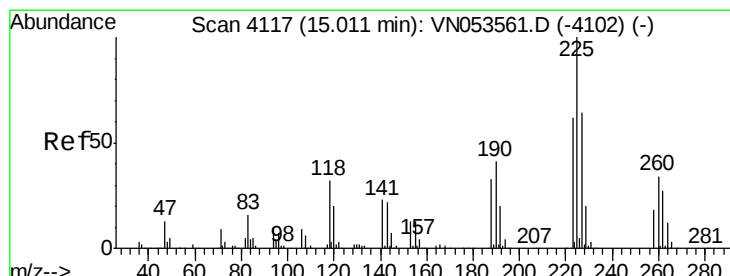
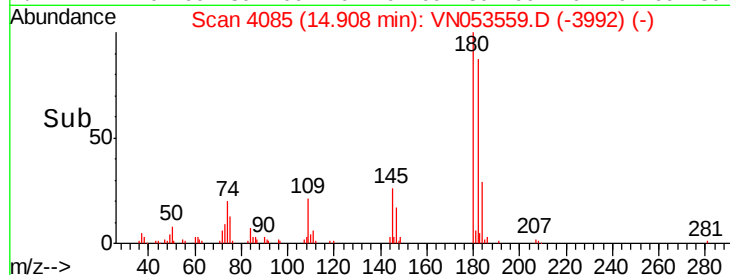
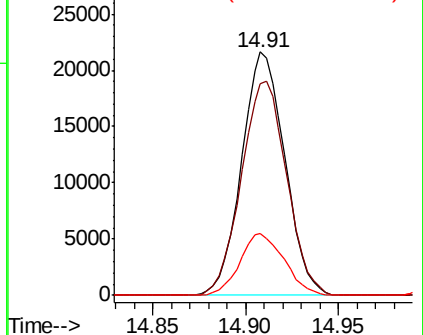
#93
 1,2,4-Trichlorobenzene
 Concen: 4.460 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 34991
 Ion Ratio Lower Upper
 180 100
 182 92.0 48.1 144.3
 145 25.8 13.9 41.6

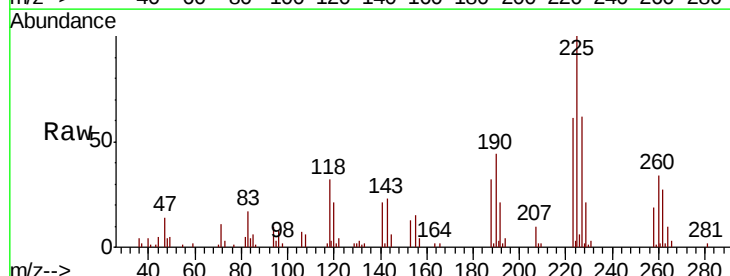


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

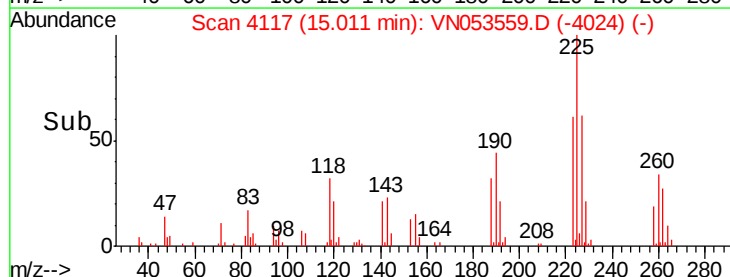
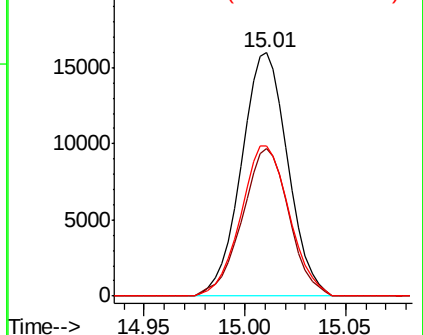


#94
 Hexachlorobutadiene
 Concen: 5.261 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053559.D
 Acq: 30 Jan 2019 9:19

Tgt Ion:225 Resp: 25704
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.1 93.2
 227 64.4 32.0 96.2



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





#95

Naphthalene

Concen: 5.164 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

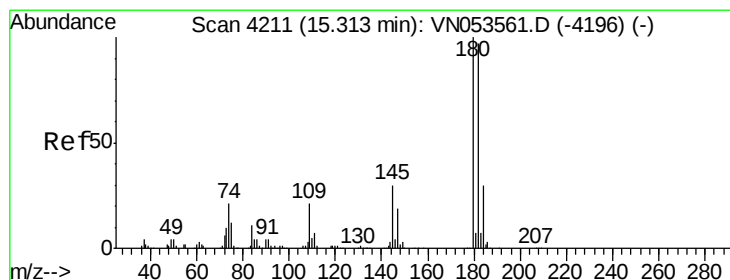
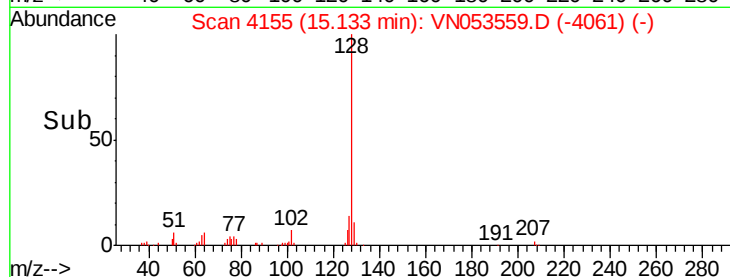
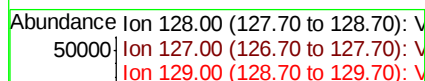
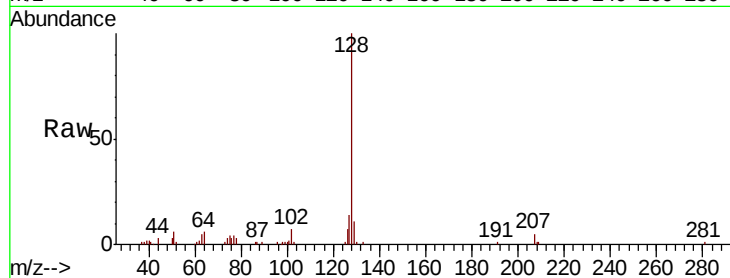
Tot Ion:128 Resp: 65445

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.0 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 4.409 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053559.D

Acq: 30 Jan 2019 9:19

Tgt Ion:180 Resp: 32099

Ion Ratio Lower Upper

180 100

182 94.5 47.9 143.8

145 29.3 14.7 44.1

