

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022819\
 Data File : VN053993.D
 Acq On : 28 Feb 2019 9:38
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 01 03:52:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	692652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1035672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	921340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	431211	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	393142	48.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.84%	
35) Dibromofluoromethane	7.59	113	342214	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.09	98	1286421	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.40	95	428096	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	302665	47.480	ug/l	100
3) Chloromethane	2.06	50	407967	46.139	ug/l	99
4) Vinyl Chloride	2.18	62	409294	46.199	ug/l	99
5) Bromomethane	2.57	94	252034	42.955	ug/l	100
6) Chloroethane	2.71	64	246560	44.749	ug/l	99
7) Trichlorofluoromethane	3.02	101	531207	46.934	ug/l	99
8) Diethyl Ether	3.41	74	197626	46.606	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.76	101	343514	48.056	ug/l	93
10) Methyl Iodide	3.95	142	466639	49.681	ug/l	97
11) Tert butyl alcohol	4.78	59	121620	236.282	ug/l	100
12) 1,1-Dichloroethene	3.74	96	315768	46.182	ug/l	93
13) Acrolein	3.60	56	110204	206.795	ug/l	96
14) Allyl chloride	4.32	41	552494	46.070	ug/l	93
15) Acrylonitrile	4.98	53	671111	247.383	ug/l	99
16) Acetone	3.81	43	667502	313.663	ug/l	94
17) Carbon Disulfide	4.05	76	1008069	45.701	ug/l	100
18) Methyl Acetate	4.32	43	283803	49.988	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	887422	48.381	ug/l	98
20) Methylene Chloride	4.55	84	364924	45.411	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	342613	46.296	ug/l	93
22) Diisopropyl ether	5.95	45	1156199	49.974	ug/l	97
23) Vinyl Acetate	5.89	43	4191651	251.848	ug/l	95
24) 1,1-Dichloroethane	5.85	63	668030	47.084	ug/l	99
25) 2-Butanone	6.83	43	844413	264.865	ug/l	96
26) 2,2-Dichloropropane	6.82	77	511279	50.722	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	387923	47.134	ug/l	92
28) Bromochloromethane	7.19	49	327887	50.489	ug/l	81
29) Tetrahydrofuran	7.21	42	528820	249.085	ug/l	92
30) Chloroform	7.37	83	652203	47.408	ug/l	98
31) Cyclohexane	7.65	56	630080	48.515	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	545358	48.077	ug/l	96
36) 1,1-Dichloropropene	7.79	75	514585	53.428	ug/l	96
37) Ethyl Acetate	6.92	43	347517	50.532	ug/l	96
38) Carbon Tetrachloride	7.77	117	481782	48.097	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	609699	52.521	ug/l	94
40) Benzene	8.04	78	1493640	50.481	ug/l	100
41) Methacrylonitrile	7.17	41	177251	40.027	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	472727	51.606	ug/l	97
43) Isopropyl Acetate	8.16	43	593903	51.148	ug/l #	91
44) Trichloroethene	8.83	130	395191	50.381	ug/l	94
45) 1,2-Dichloropropane	9.12	63	404067	50.618	ug/l	99
46) Dibromomethane	9.21	93	233542	50.393	ug/l	92
47) Bromodichloromethane	9.40	83	508824	52.098	ug/l	99
48) Methyl methacrylate	9.20	41	290427	54.377	ug/l	93
49) 1,4-Dioxane	9.20	88	78157	1080.415	ug/l #	92
51) 4-Methyl-2-Pentanone	9.98	43	1673411	280.454	ug/l	95
52) Toluene	10.16	92	888083	50.974	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	509983	53.666	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	589481	52.619	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	330108	50.735	ug/l	99
56) Ethyl methacrylate	10.43	69	410753	48.218	ug/l	89
57) 1,3-Dichloropropane	10.71	76	565744	51.461	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	955318	241.029	ug/l	95
59) 2-Hexanone	10.75	43	1111946	286.532	ug/l	93
60) Dibromochloromethane	10.90	129	374017	51.723	ug/l	99
61) 1,2-Dibromoethane	11.00	107	320022	50.987	ug/l	98
64) Tetrachloroethene	10.63	164	394997	50.629	ug/l	97
65) Chlorobenzene	11.43	112	950618	48.889	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	357694	51.042	ug/l	99
67) Ethyl Benzene	11.51	91	1666663	51.129	ug/l	99
68) m/p-Xylenes	11.62	106	1271299	103.332	ug/l	95
69) o-Xylene	11.95	106	603686	49.938	ug/l	96
70) Styrene	11.96	104	997215	53.632	ug/l	99
71) Bromoform	12.13	173	254242	52.149	ug/l #	100
73) Isopropylbenzene	12.25	105	1618547	48.219	ug/l	98
74) N-amyl acetate	12.07	43	458706	52.139	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	399669	47.614	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	500663	72.378	ug/l #	100
77) Bromobenzene	12.53	156	401901	47.158	ug/l	88
78) n-propylbenzene	12.59	91	1944024	50.925	ug/l	97
79) 2-Chlorotoluene	12.67	91	1117351	48.724	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1388577	50.530	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	111404	50.902	ug/l	93
82) 4-Chlorotoluene	12.77	91	1133893	50.029	ug/l	97
83) tert-Butylbenzene	12.99	119	1193514	49.107	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1399873	51.026	ug/l	98
85) sec-Butylbenzene	13.17	105	1668038	50.249	ug/l	98
86) p-Isopropyltoluene	13.29	119	1439386	51.291	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	736010	49.923	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	709957	49.636	ug/l	99
89) n-Butylbenzene	13.62	91	1285518	54.355	ug/l	99
90) Hexachloroethane	13.87	117	264340	48.609	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	701481	49.153	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59433	50.103	ug/l	87

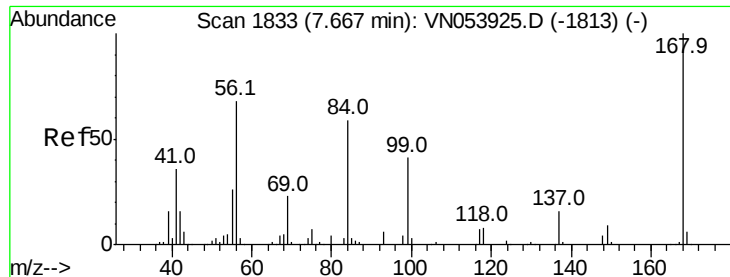
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QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	374100	47.324	ug/l	98
94) Hexachlorobutadiene	15.01	225	258654	50.174	ug/l	99
95) Naphthalene	15.13	128	730324	43.239	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	360236	47.465	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

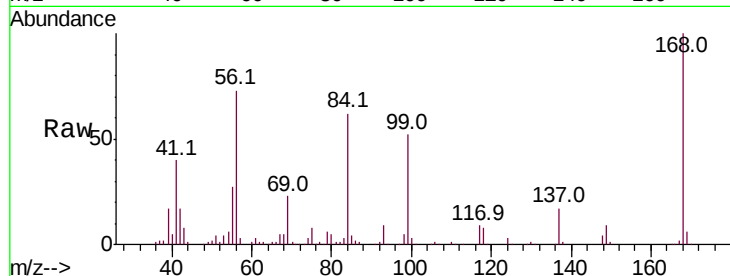
ClientSampleId :

Tot Ion:168 Resp: 692652

Ion Ratio Lower Upper

168 100

99 51.7 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

250000

200000

150000

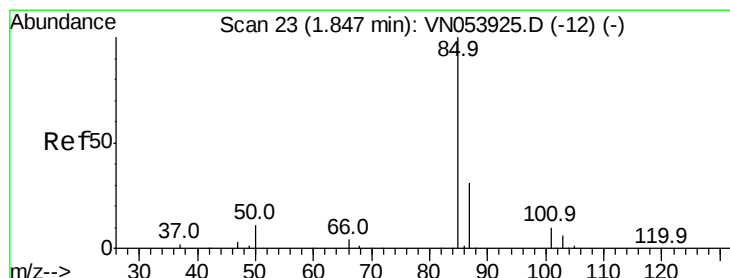
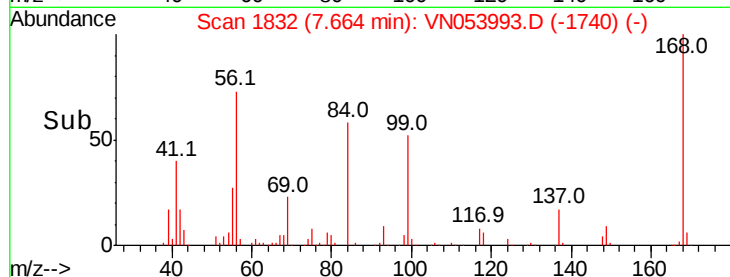
100000

50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 47.480 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053993.D

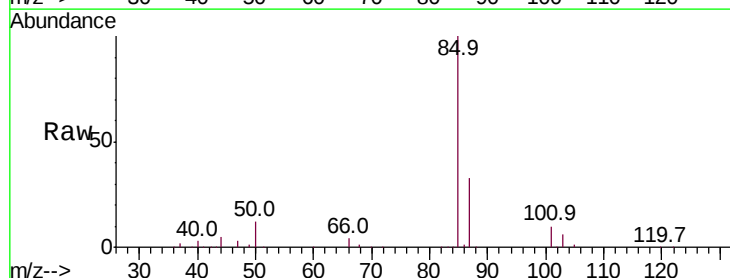
Acq: 28 Feb 2019 9:38

Tgt Ion: 85 Resp: 302665

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

250000

200000

150000

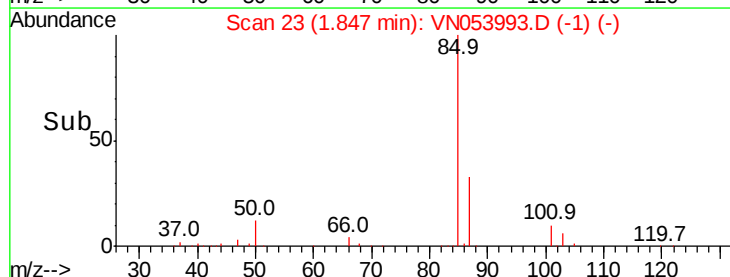
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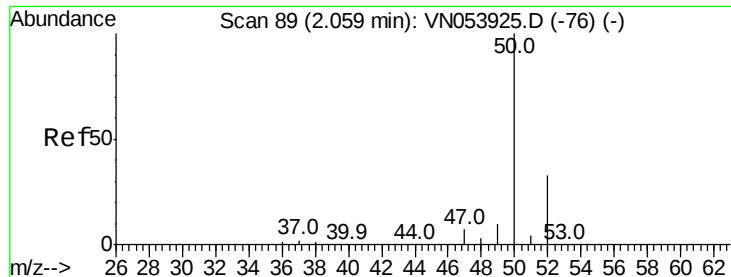
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Time-->

1.80 1.90 2.00





#3

Chloromethane

Concen: 46.139 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

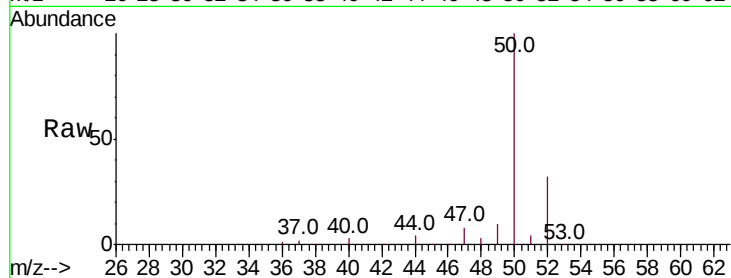
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 407967

Ion Ratio Lower Upper

50 100

52 32.0 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN053925.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN053925.D (-76) (-)

2.06

250000

200000

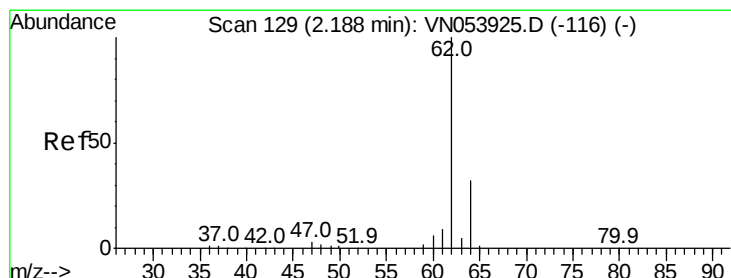
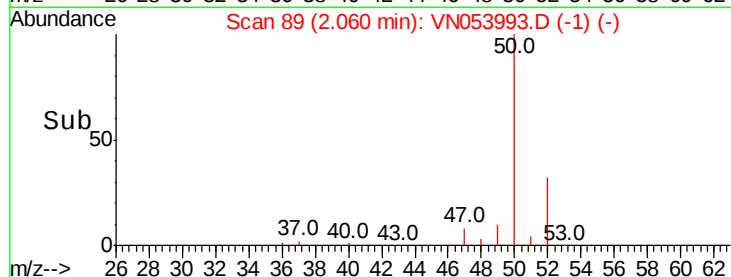
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.199 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053993.D

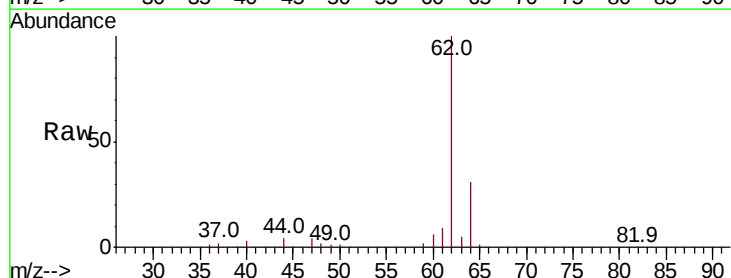
Acq: 28 Feb 2019 9:38

Tgt Ion: 62 Resp: 409294

Ion Ratio Lower Upper

62 100

64 31.1 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN053925.D (-116) (-)

Ion 63.90 (63.60 to 64.60): VN053925.D (-116) (-)

2.18

300000

250000

200000

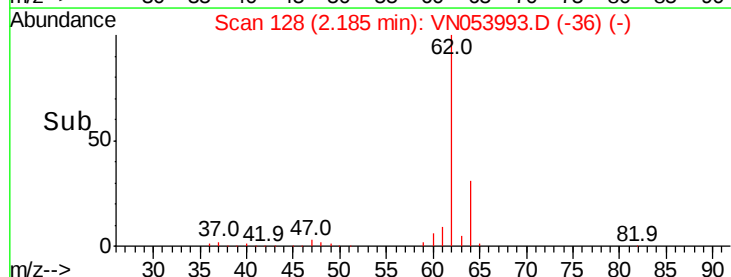
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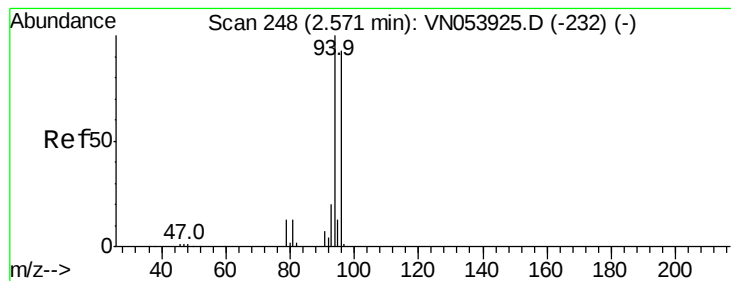
100000

50000

0

Time-->





#5

Bromomethane

Concen: 42.955 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

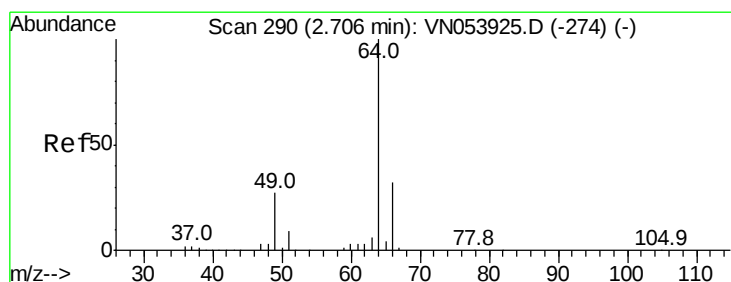
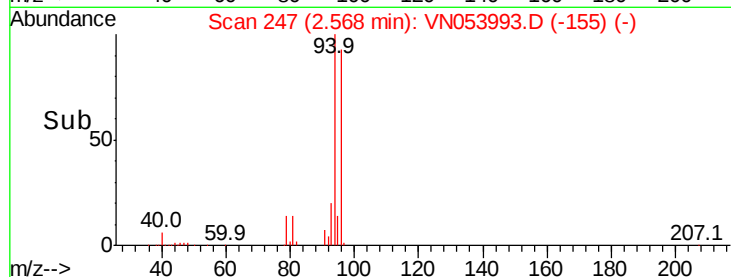
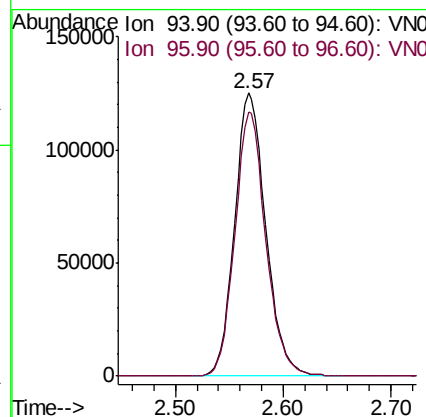
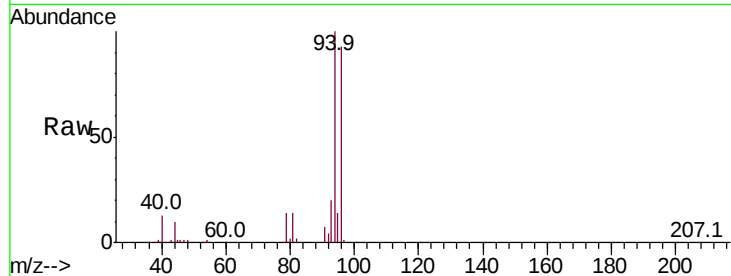
ClientSampleId :

Tot Ion: 94 Resp: 252034

Ion Ratio Lower Upper

94 100

96 93.3 74.9 112.3



#6

Chloroethane

Concen: 44.749 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053993.D

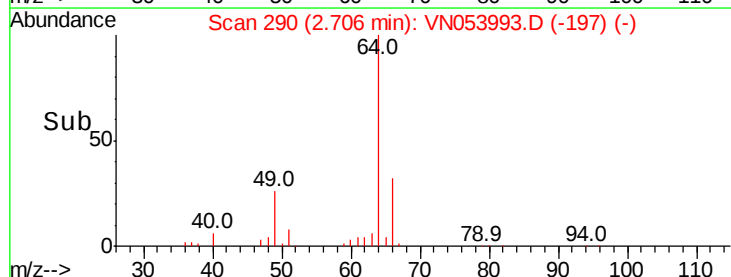
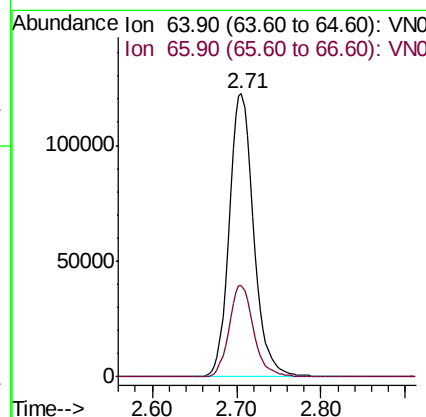
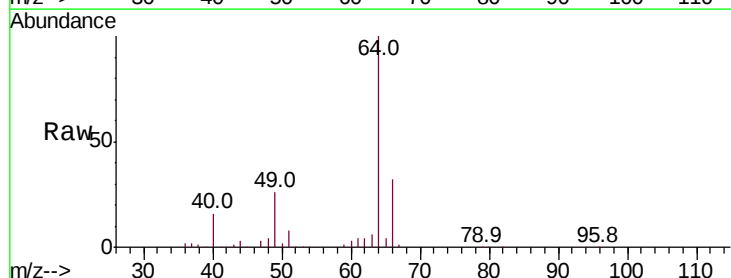
Acq: 28 Feb 2019 9:38

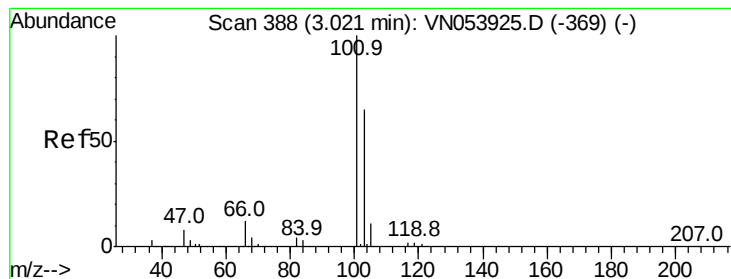
Tgt Ion: 64 Resp: 246560

Ion Ratio Lower Upper

64 100

66 32.4 25.5 38.3



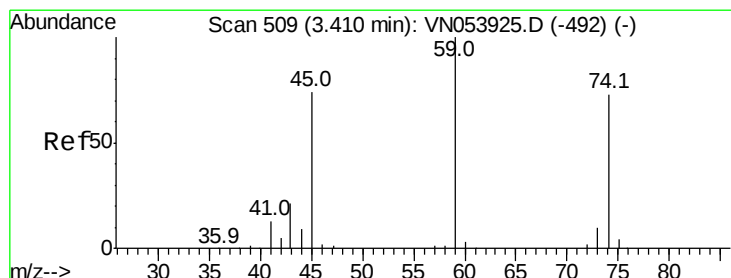
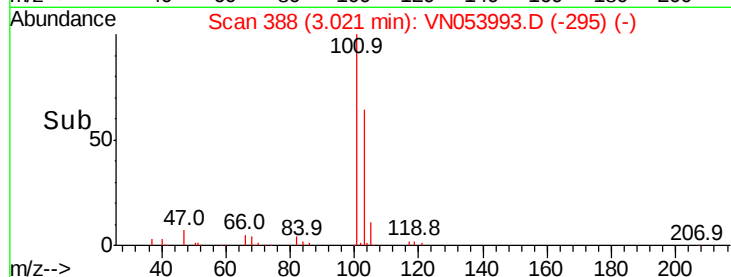
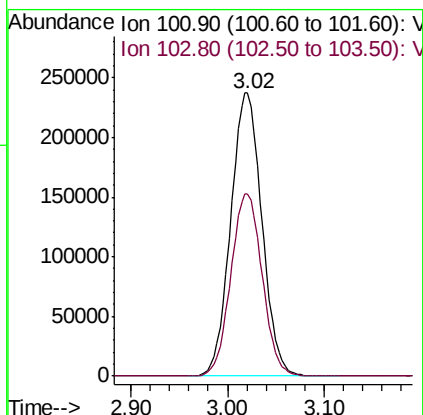
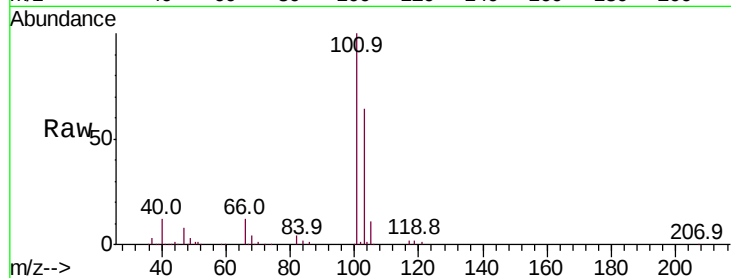


#7

Trichlorofluoromethane
 Concen: 46.934 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :

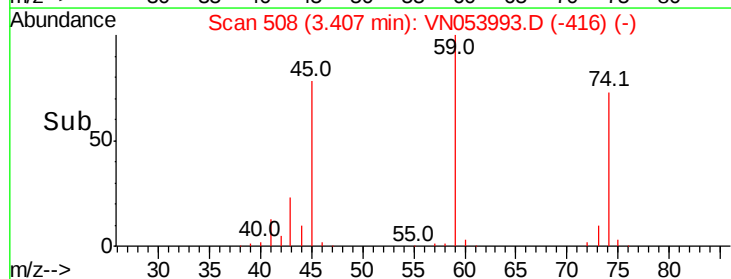
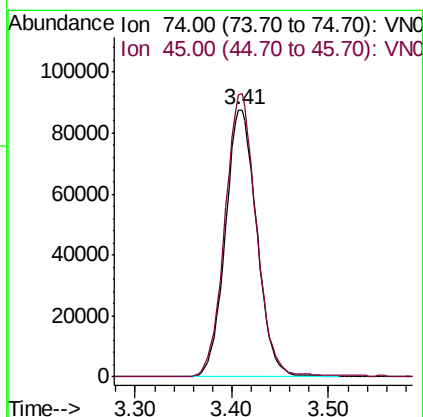
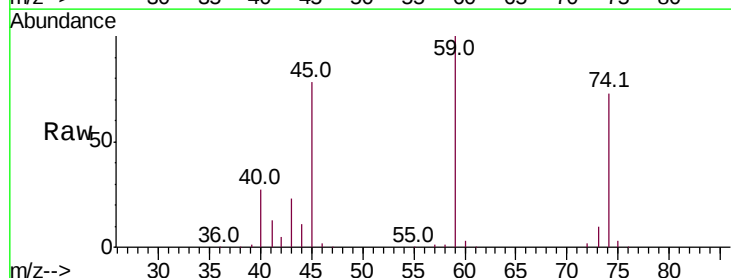
Tot Ion:101 Resp: 531207
 Ion Ratio Lower Upper
 101 100
 103 64.5 51.9 77.9

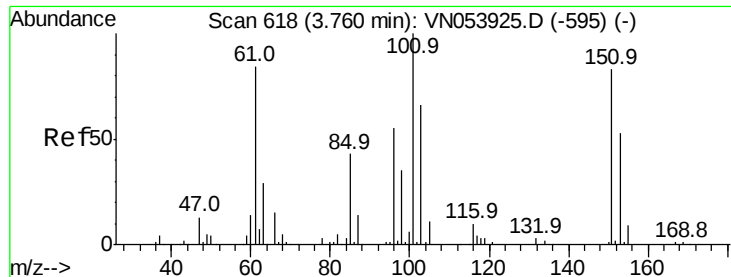


#8

Diethyl Ether
 Concen: 46.606 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 74 Resp: 197626
 Ion Ratio Lower Upper
 74 100
 45 105.1 46.9 140.6

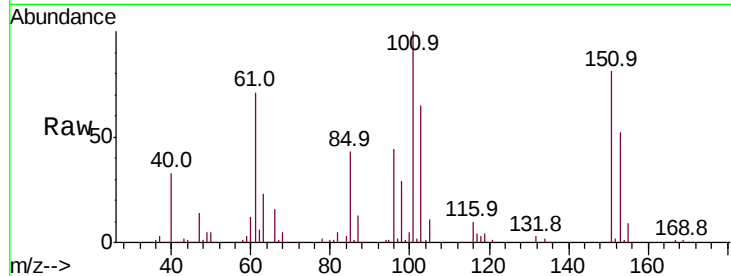




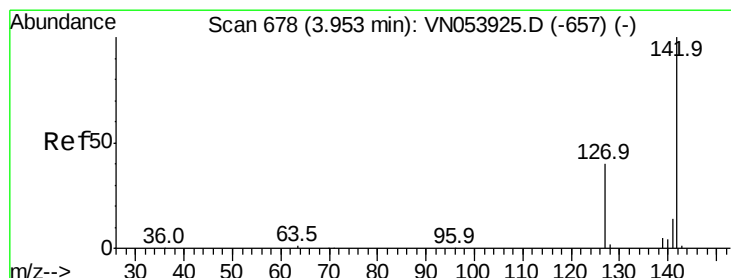
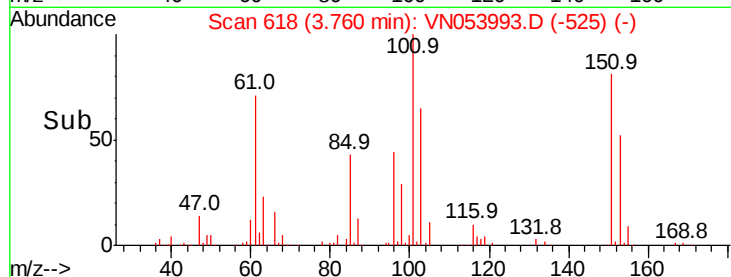
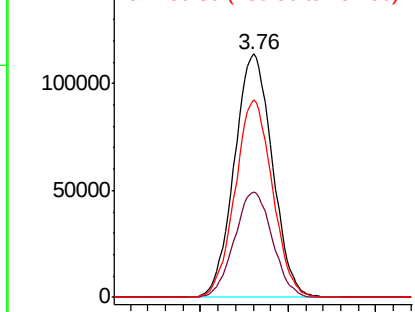
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.056 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 343514
 Ion Ratio Lower Upper
 101 100
 85 43.1 32.5 48.7
 151 79.7 70.2 105.2

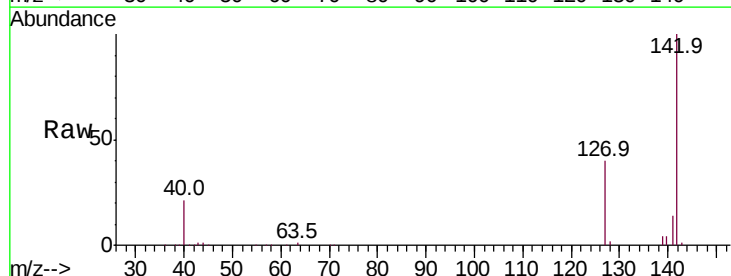


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

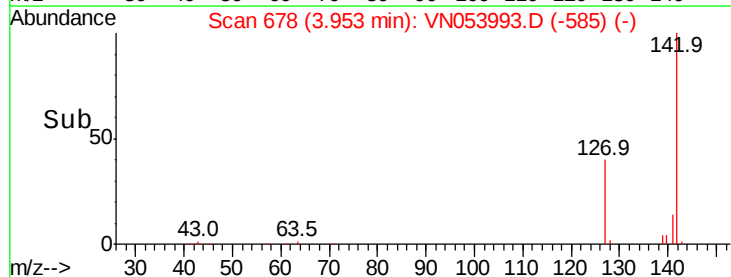
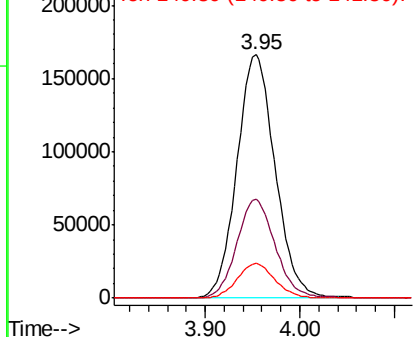


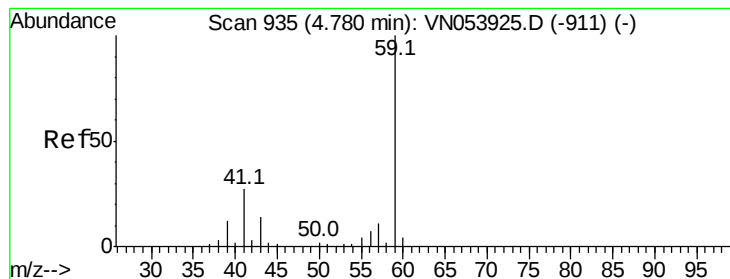
#10
 Methyl Iodide
 Concen: 49.681 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion:142 Resp: 466639
 Ion Ratio Lower Upper
 142 100
 127 41.0 31.0 46.4
 141 14.1 11.3 16.9



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



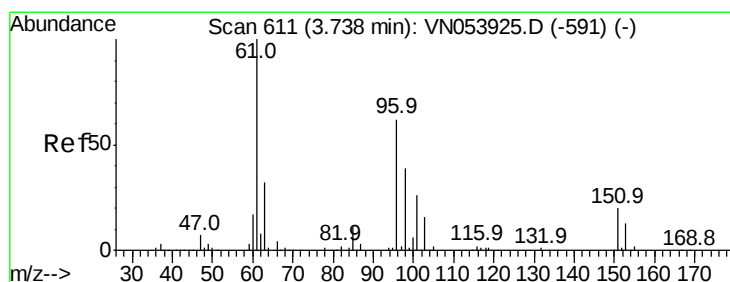
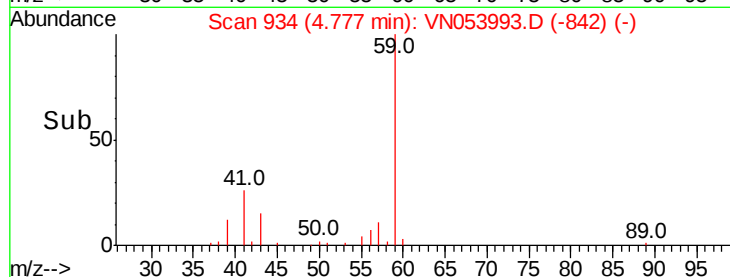
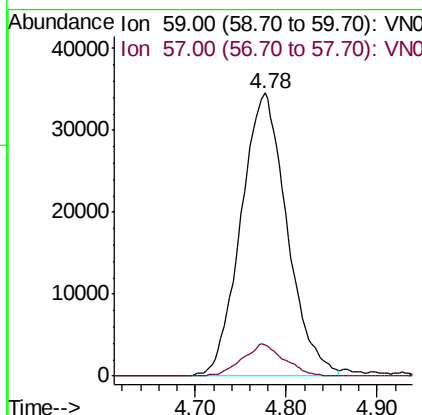
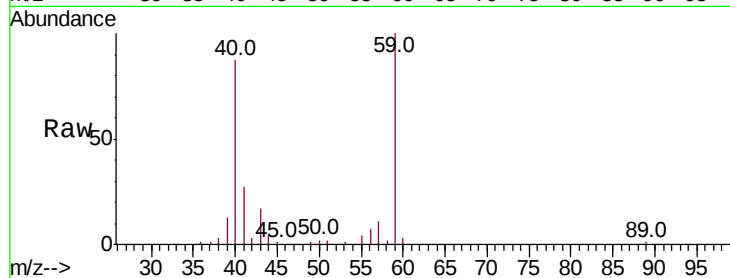


#11

Tert butyl alcohol
 Concen: 236.282 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Instrument :
 MSVOA_N
 ClientSampleId :

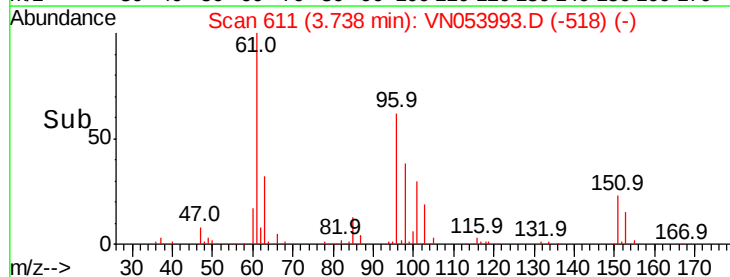
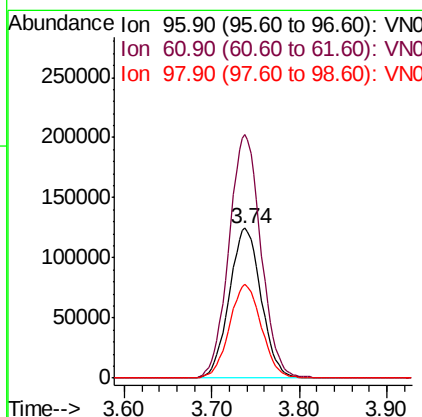
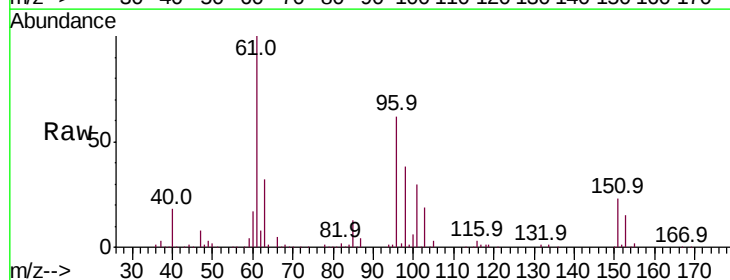
Tot Ion: 59 Resp: 121620
 Ion Ratio Lower Upper
 59 100
 57 10.3 8.1 12.1

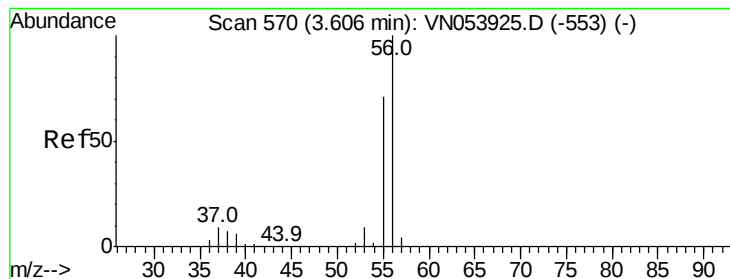


#12

1,1-Dichloroethene
 Concen: 46.182 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 96 Resp: 315768
 Ion Ratio Lower Upper
 96 100
 61 162.4 121.0 181.4
 98 62.2 52.2 78.2





#13

Acrolein

Concen: 206.795 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

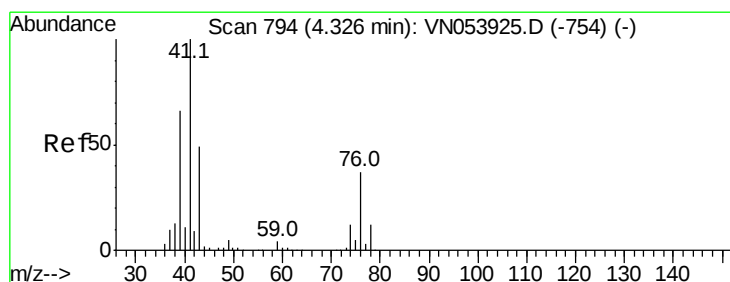
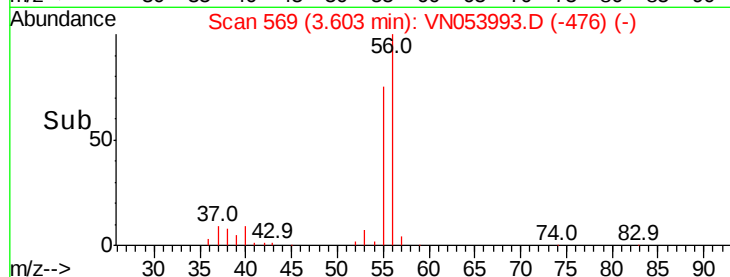
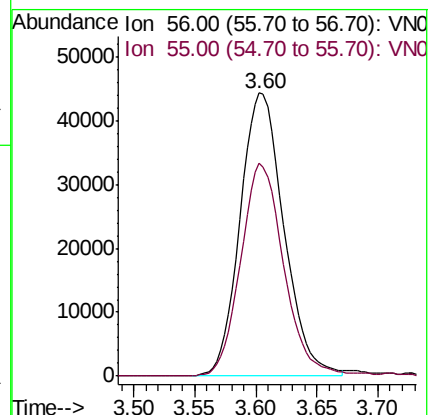
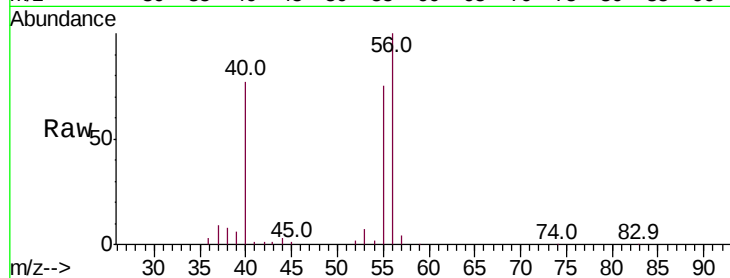
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 110204

Ion Ratio Lower Upper

56 100

55 73.9 56.3 84.5



#14

Allyl chloride

Concen: 46.070 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

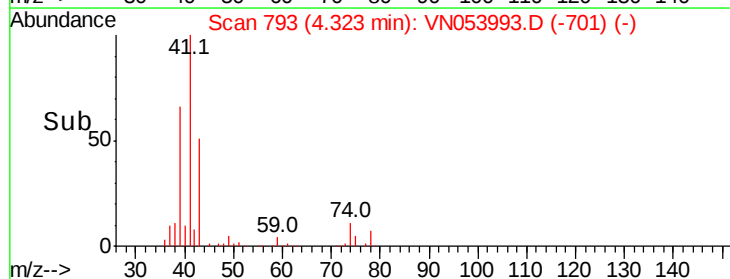
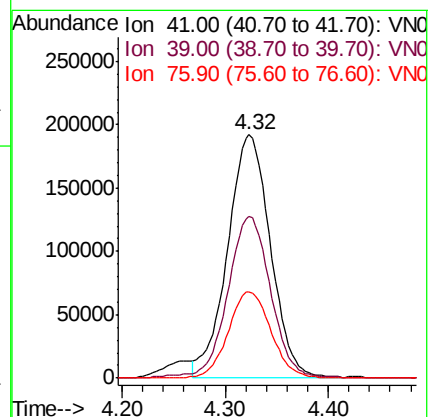
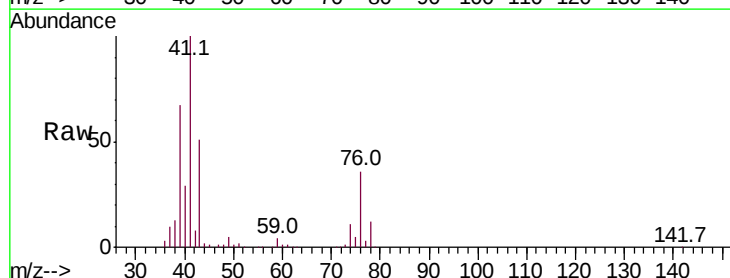
Tgt Ion: 41 Resp: 552494

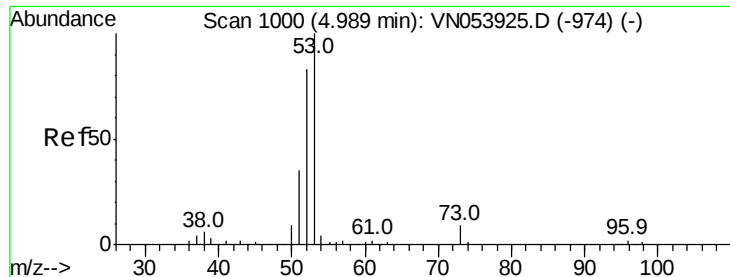
Ion Ratio Lower Upper

41 100

39 67.4 48.8 73.2

76 35.1 30.9 46.3





#15

Acrylonitrile

Concen: 247.383 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

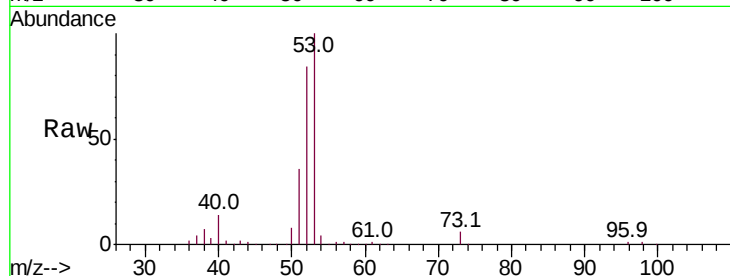
Tot Ion: 53 Resp: 671111

Ion Ratio Lower Upper

53 100

52 82.4 65.1 97.7

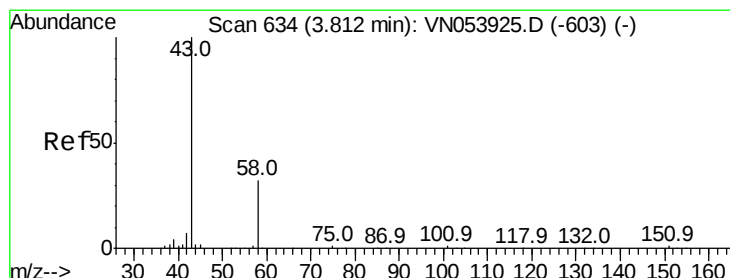
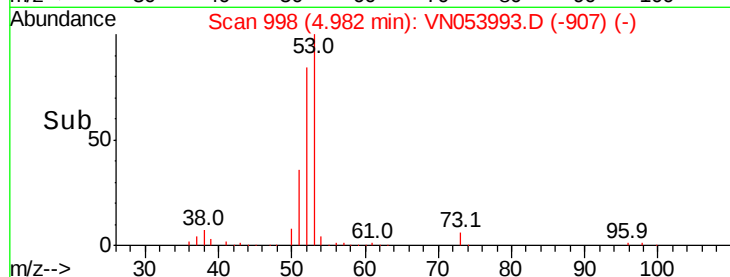
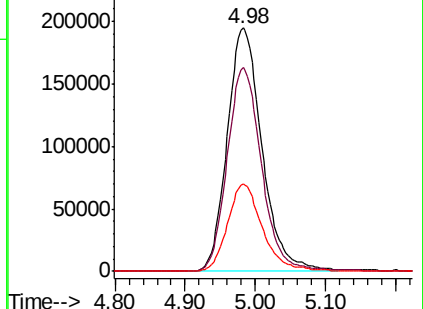
51 36.1 28.2 42.4



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: 313.663 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053993.D

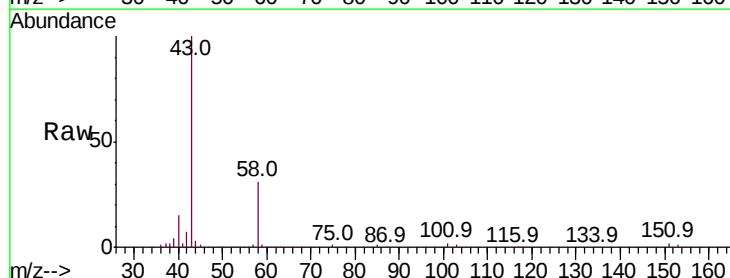
Acq: 28 Feb 2019 9:38

Tgt Ion: 43 Resp: 667502

Ion Ratio Lower Upper

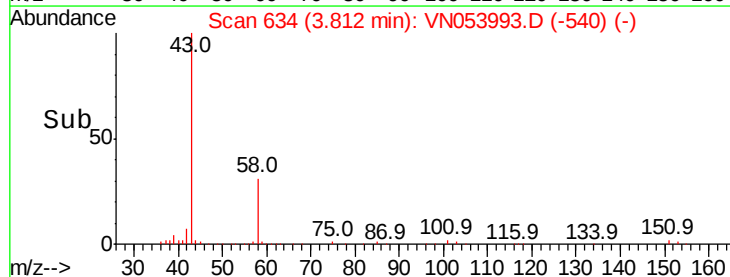
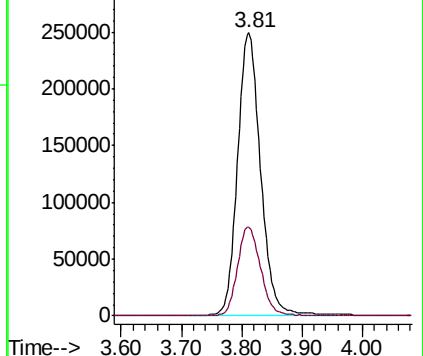
43 100

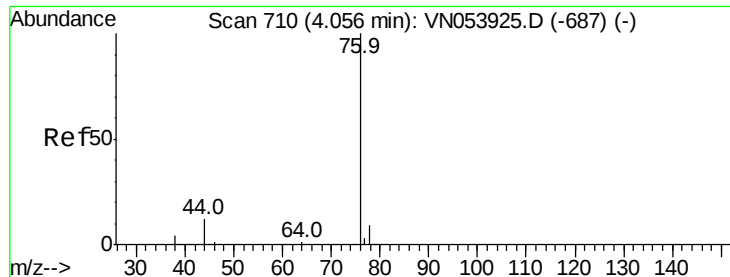
58 31.3 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

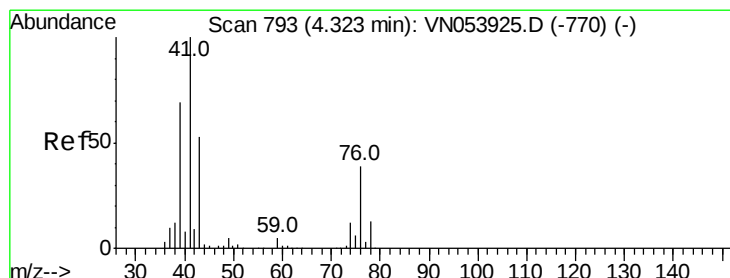
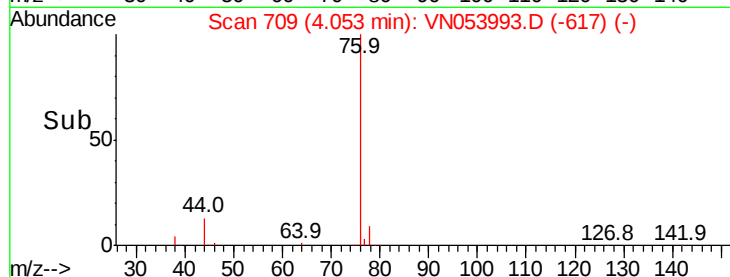
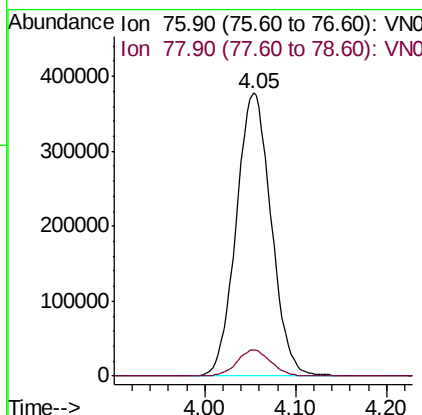
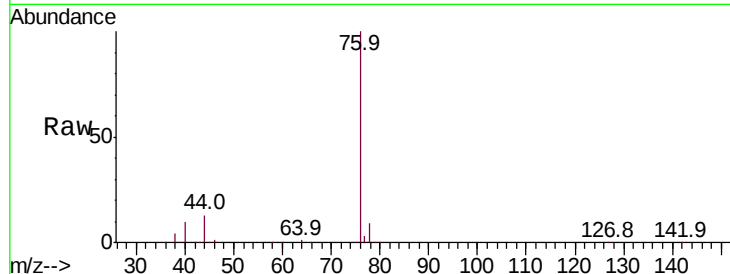




#17
Carbon Disulfide
Concen: 45.701 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

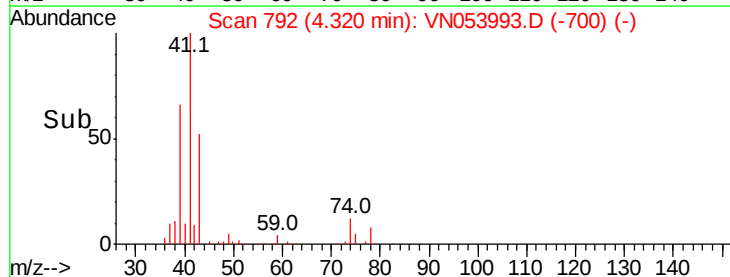
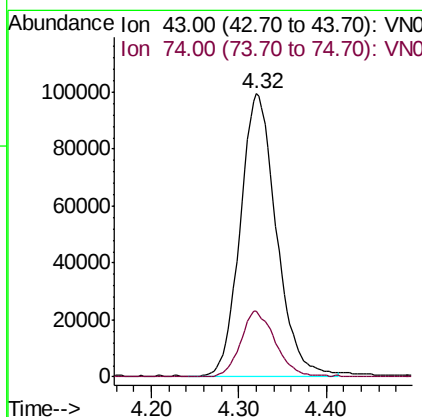
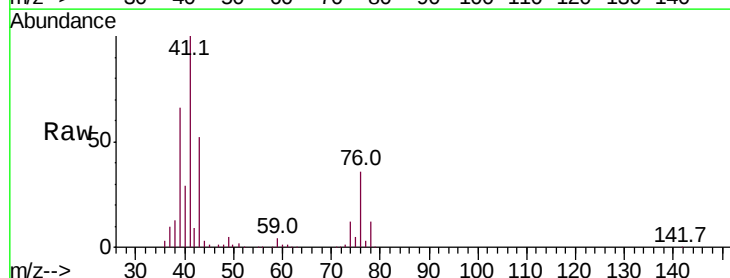
Instrument :
MSVOA_N
ClientSampleId :

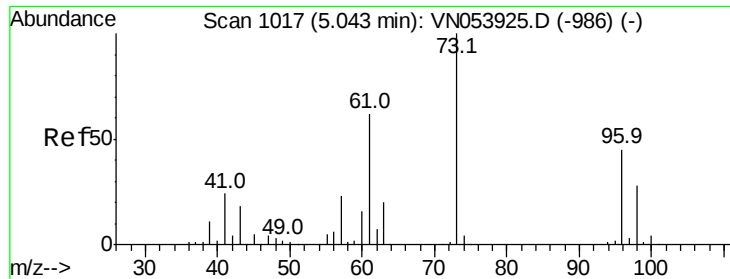
Tot Ion: 76 Resp: 1008069
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3



#18
Methyl Acetate
Concen: 49.988 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 43 Resp: 283803
Ion Ratio Lower Upper
43 100
74 22.5 20.5 30.7

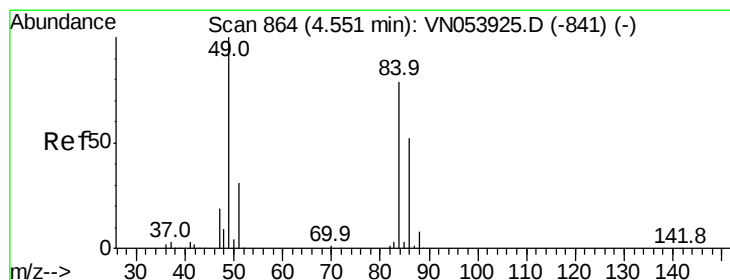
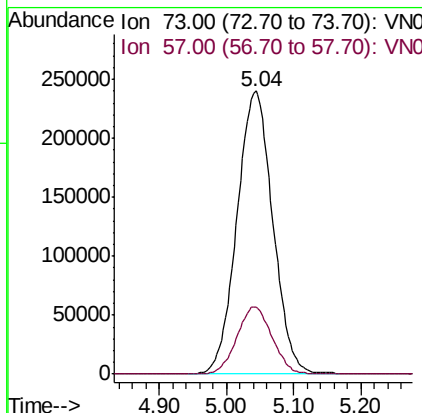
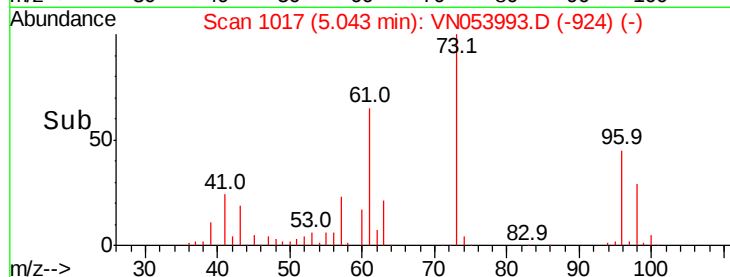
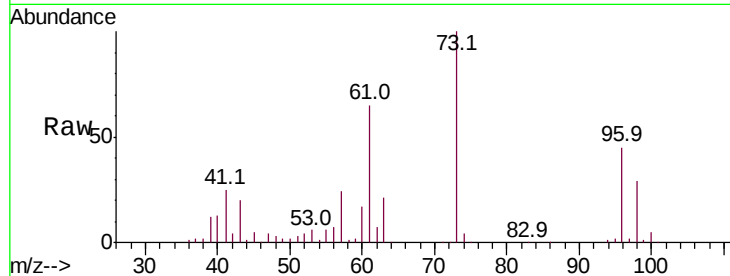




#19
Methvl tert-butvl Ether
Concen: 48.381 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

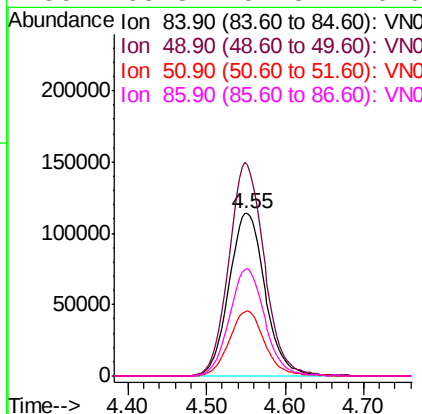
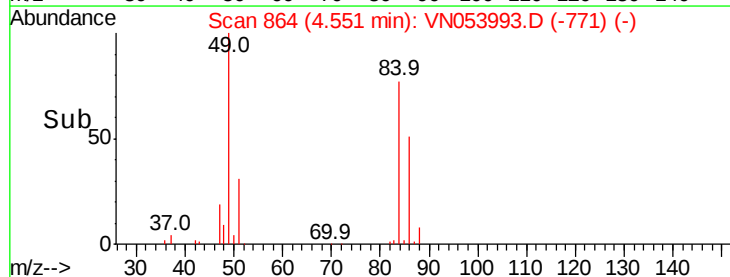
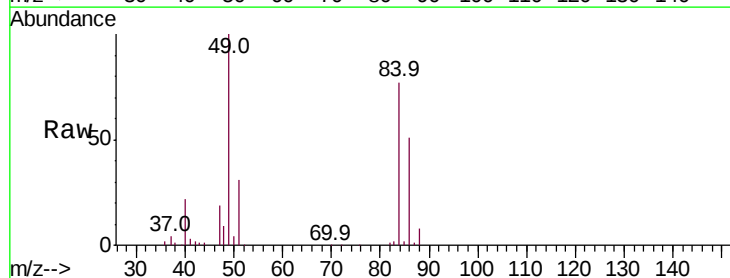
Instrument :
MSVOA_N
ClientSampled :

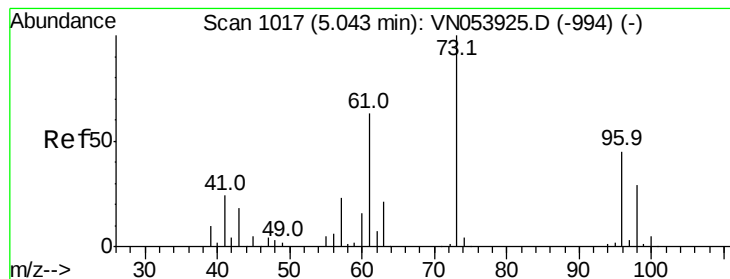
Tot Ion: 73 Resp: 887422
Ion Ratio Lower Upper
73 100
57 23.6 18.0 27.0



#20
Methylene Chloride
Concen: 45.411 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 84 Resp: 364924
Ion Ratio Lower Upper
84 100
49 130.1 89.7 134.5
51 40.0 27.8 41.8
86 65.8 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 46.296 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampled :

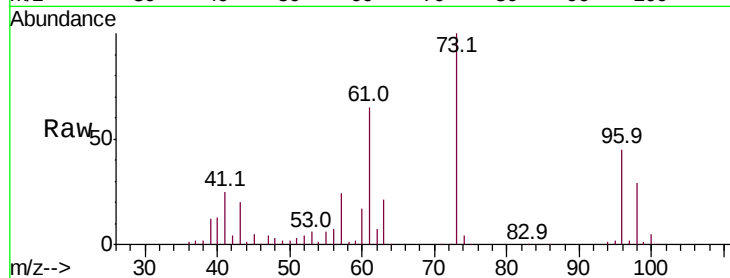
Tot Ion: 96 Resp: 342613

Ion Ratio Lower Upper

96 100

61 142.6 104.5 156.7

98 63.2 50.6 76.0

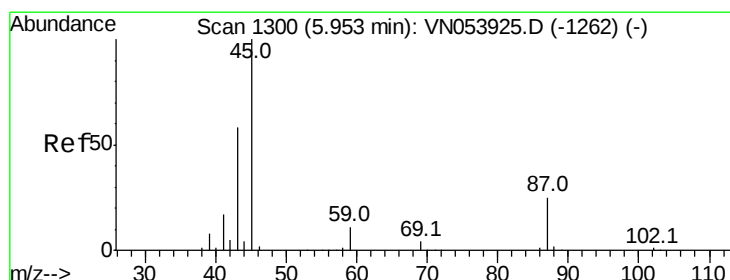
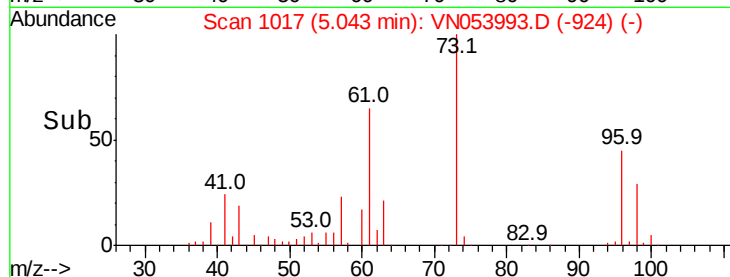
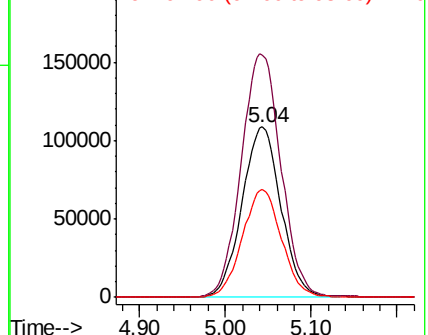


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 49.974 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Tgt Ion: 45 Resp: 1156199

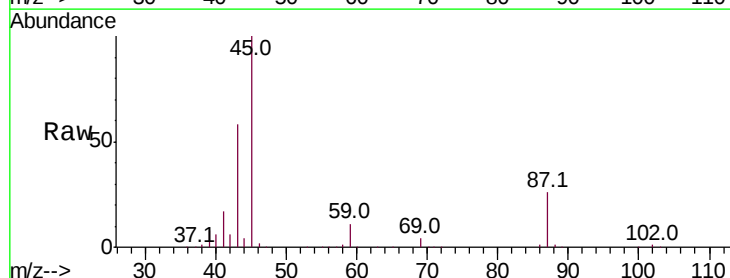
Ion Ratio Lower Upper

45 100

43 57.4 46.2 69.4

87 25.3 23.4 35.0

59 11.1 9.4 14.0



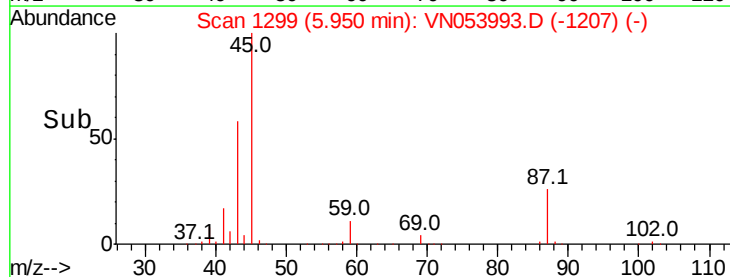
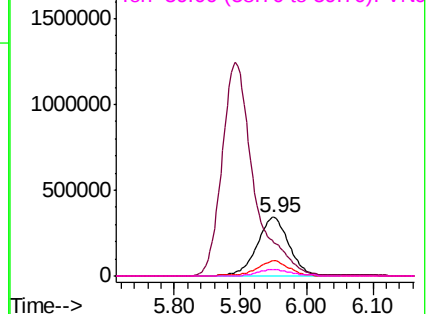
Abundance

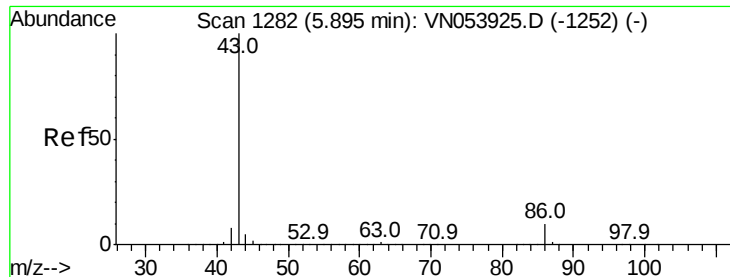
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 251.848 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

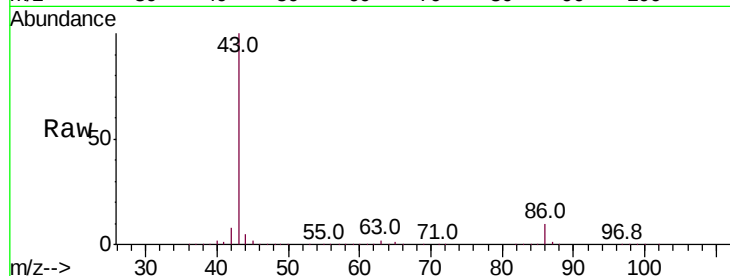
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 4191651

Ion Ratio Lower Upper

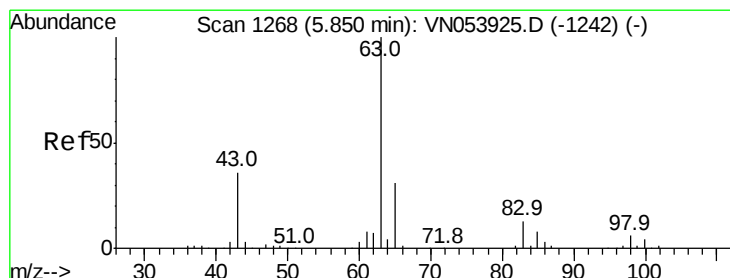
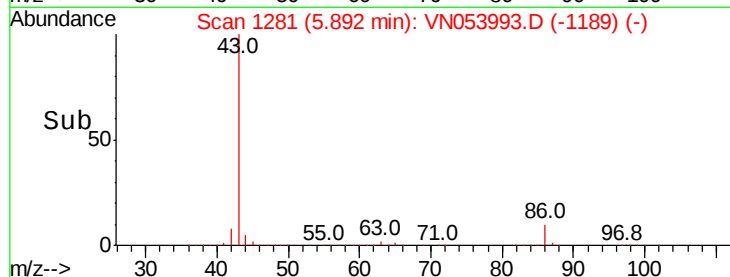
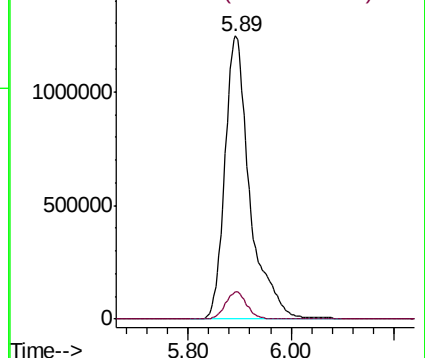
43 100

86 9.6 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.084 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

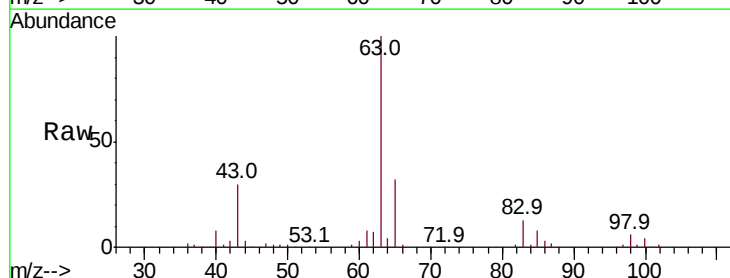
Tgt Ion: 63 Resp: 668030

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.2

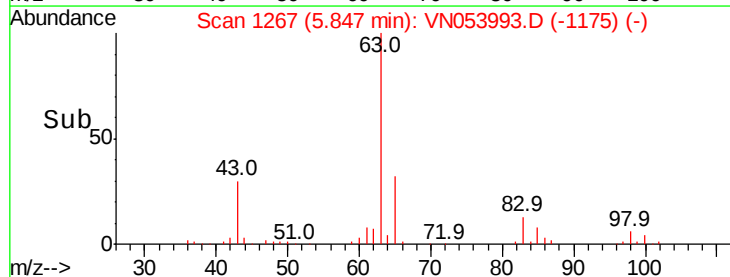
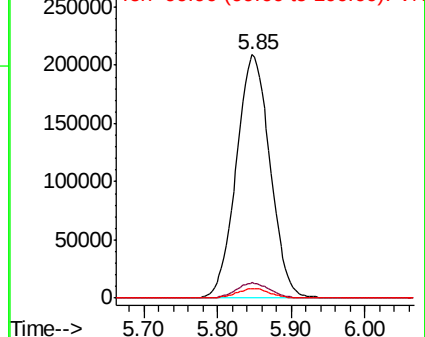
100 4.1 2.2 6.6

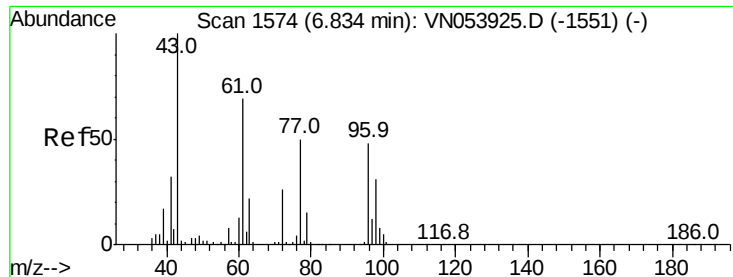


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 264.865 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

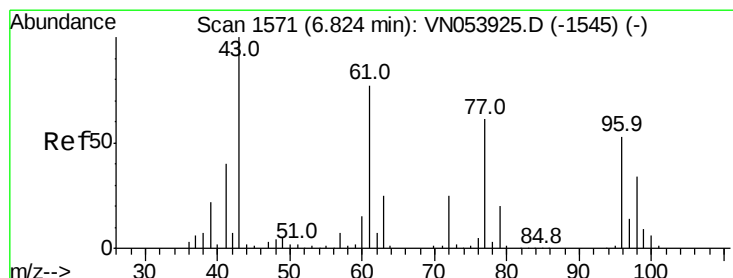
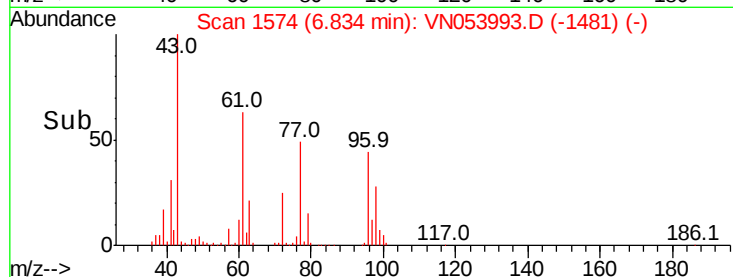
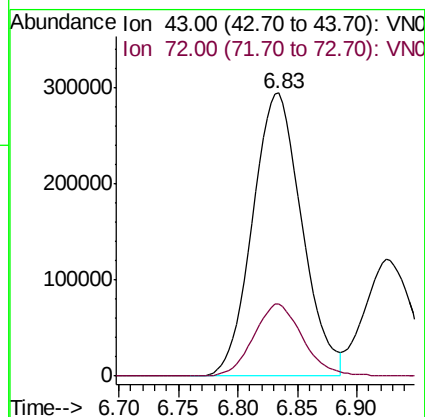
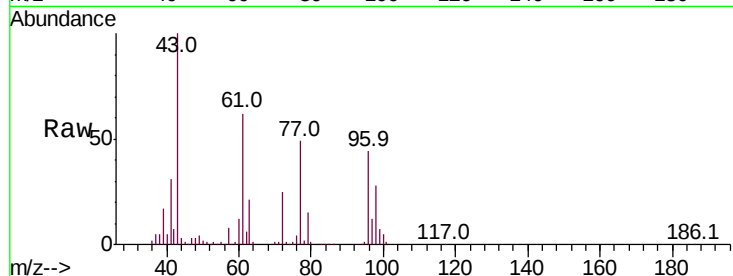
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 844413

Ion Ratio Lower Upper

43 100

72 25.5 22.1 33.1



#26

2,2-Dichloropropane

Concen: 50.722 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053993.D

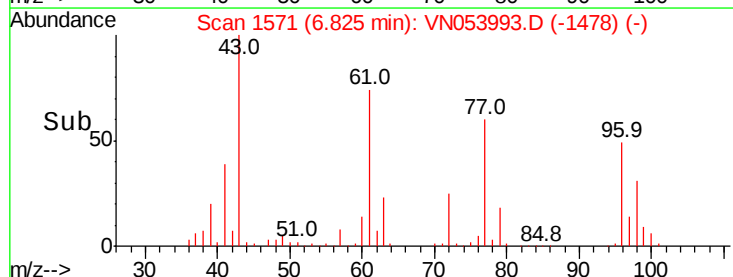
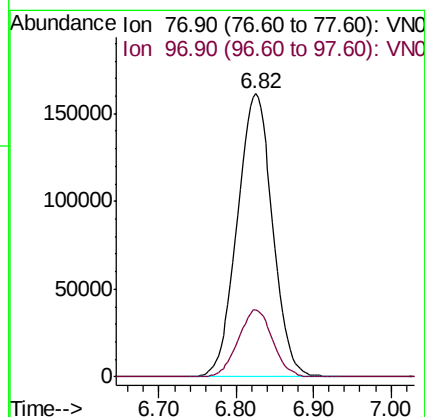
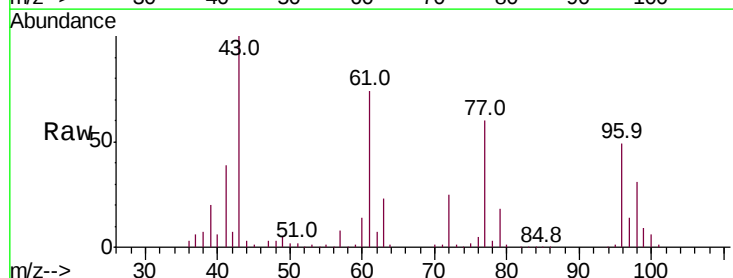
Acq: 28 Feb 2019 9:38

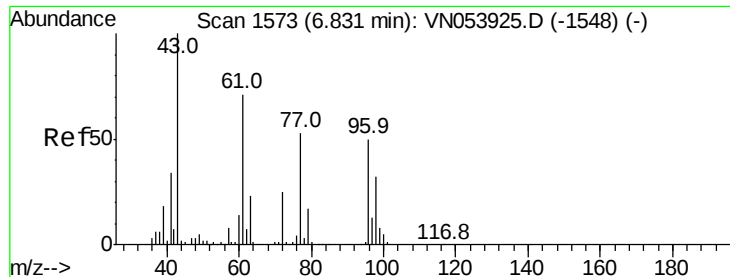
Tgt Ion: 77 Resp: 511279

Ion Ratio Lower Upper

77 100

97 23.2 12.3 36.9

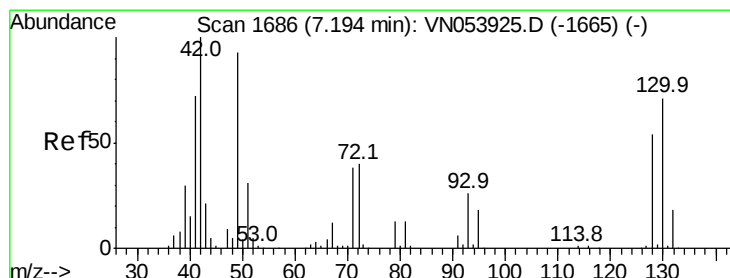
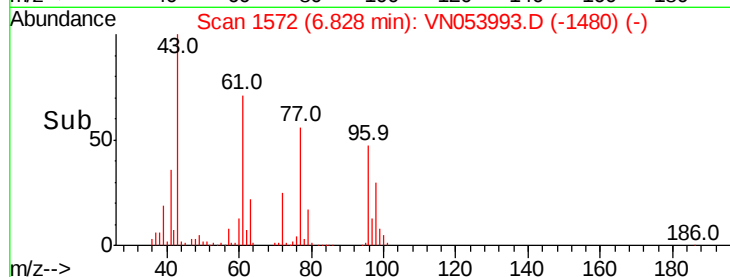
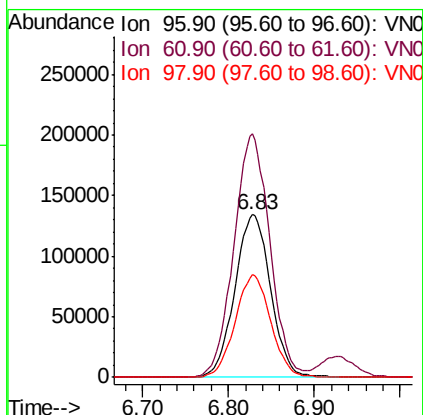
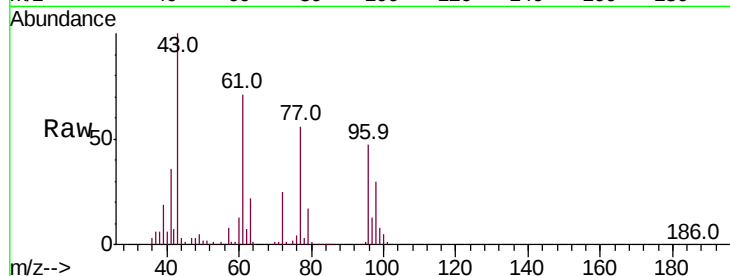




#27
 cis-1,2-Dichloroethene
 Concen: 47.134 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

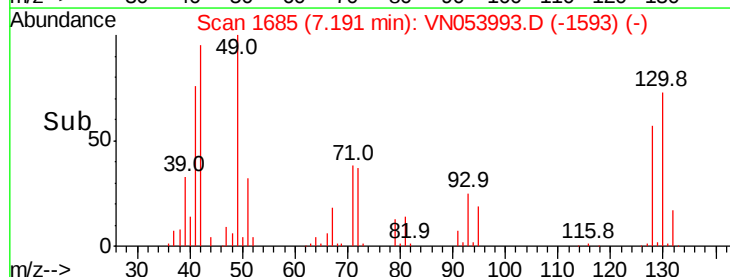
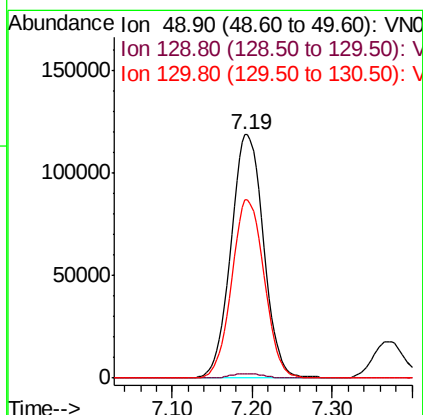
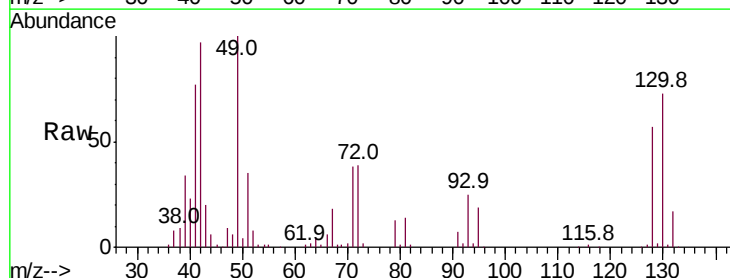
Instrument :
 MSVOA_N
 ClientSampled :

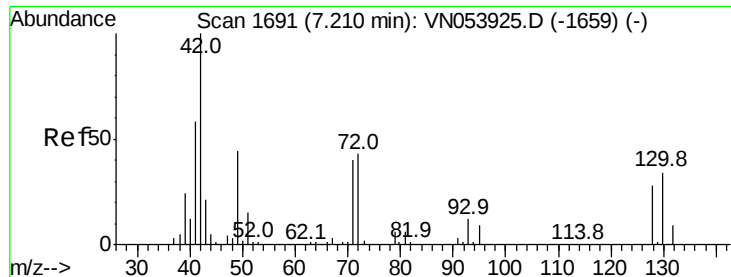
Tot Ion: 96 Resp: 387923
 Ion Ratio Lower Upper
 96 100
 61 150.7 0.0 275.6
 98 63.0 0.0 130.0



#28
 Bromochloromethane
 Concen: 50.489 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 49 Resp: 327887
 Ion Ratio Lower Upper
 49 100
 129 1.9 0.0 4.6
 130 73.1 72.9 109.3

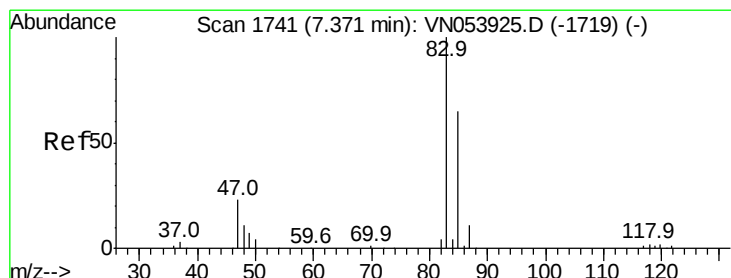
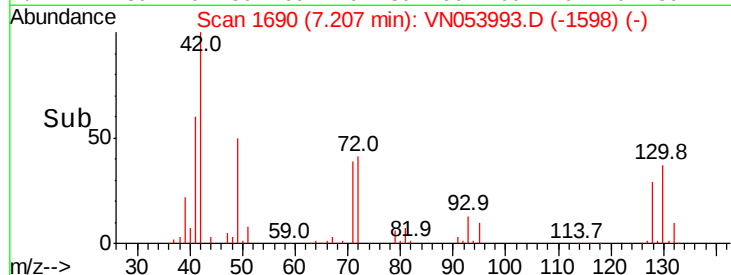
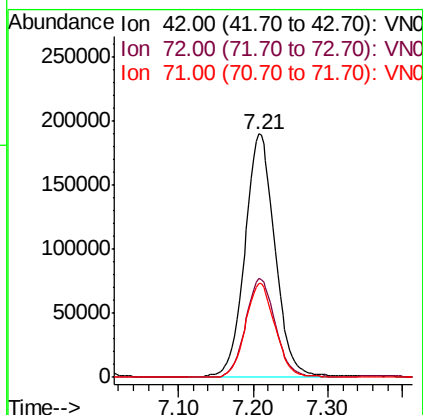
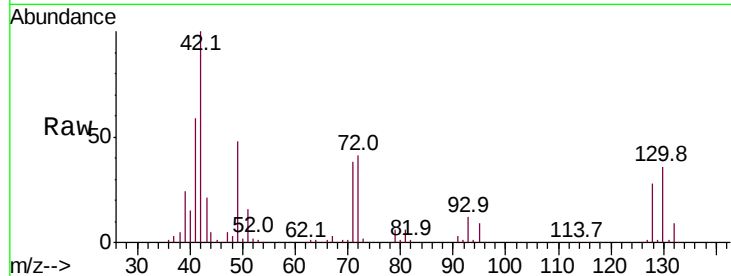




#29
Tetrahydrofuran
Concen: 249.085 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

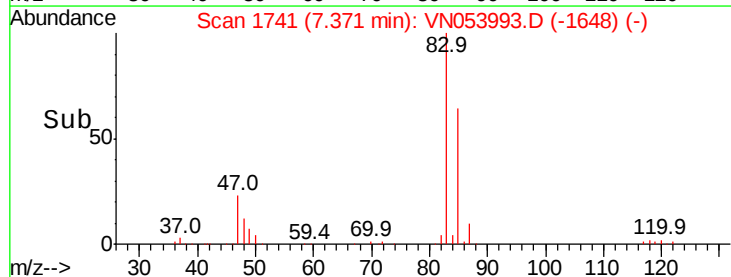
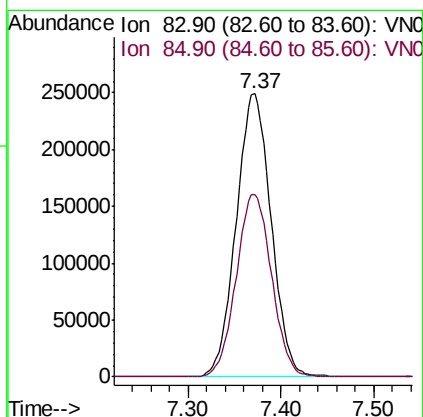
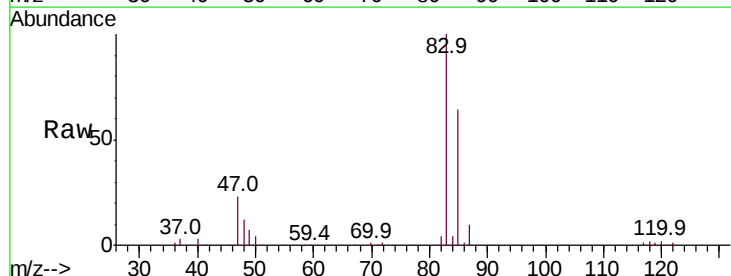
Instrument :
MSVOA_N
ClientSampled :

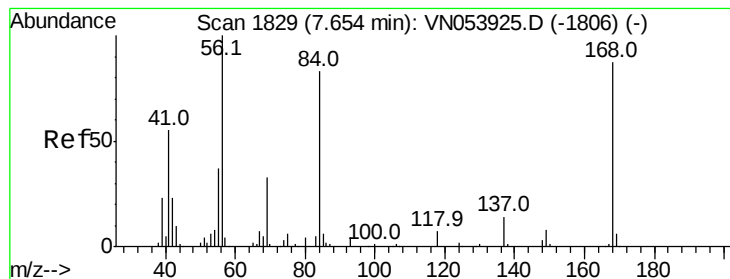
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	36.9	55.3
71	38.3	34.6	52.0



#30
Chloroform
Concen: 47.408 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.6	78.8





#31

Cyclohexane

Concen: 48.515 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampled :

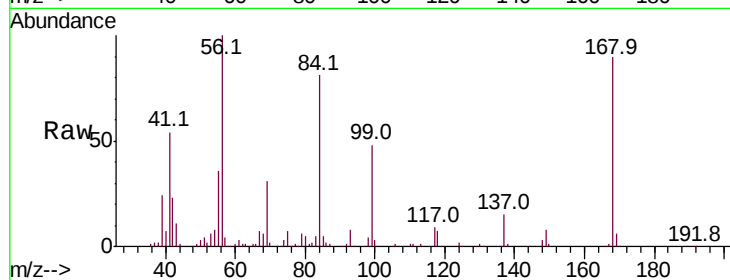
Tot Ion: 56 Resp: 630080

Ion Ratio Lower Upper

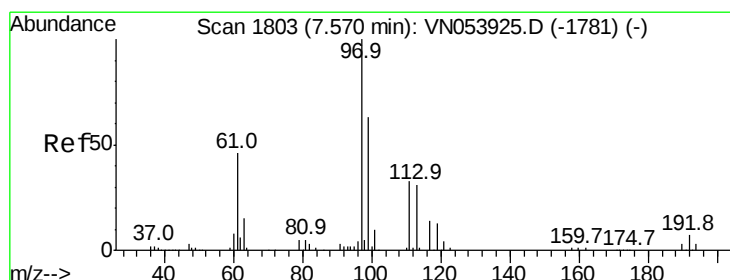
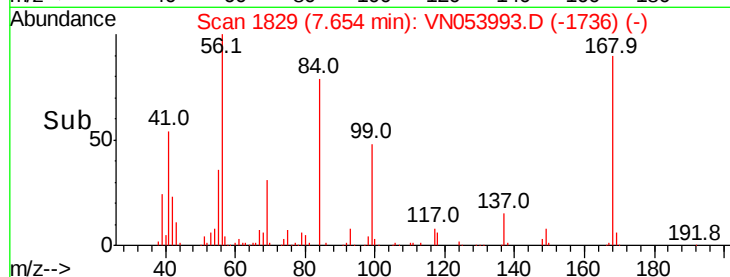
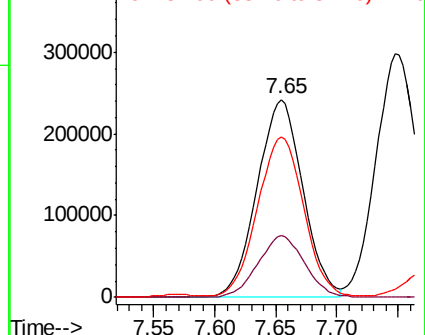
56 100

69 31.3 26.0 39.0

84 80.2 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 48.077 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

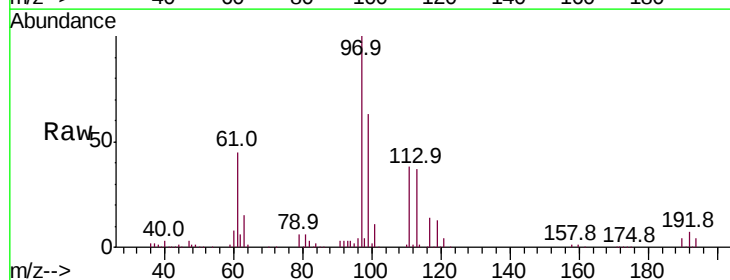
Tgt Ion: 97 Resp: 545358

Ion Ratio Lower Upper

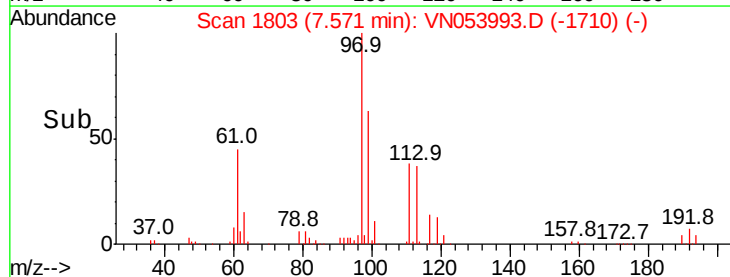
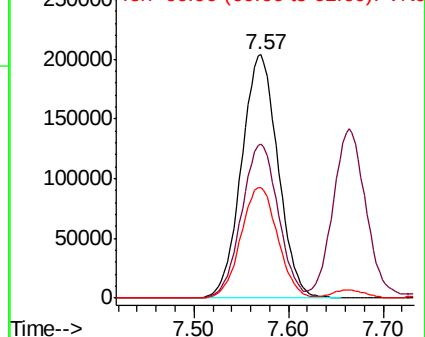
97 100

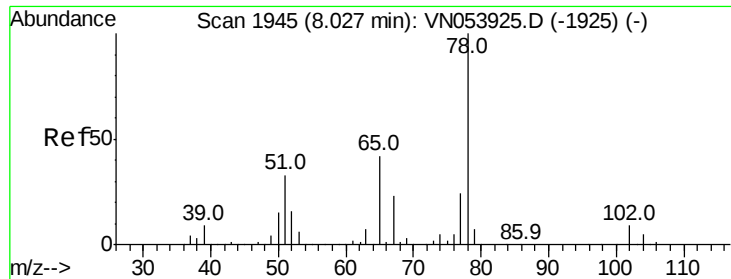
99 63.7 51.8 77.8

61 45.8 33.2 49.8



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

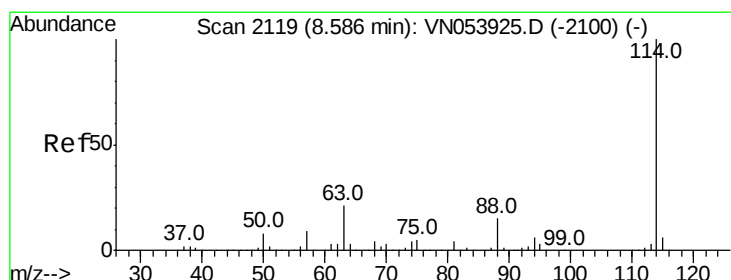
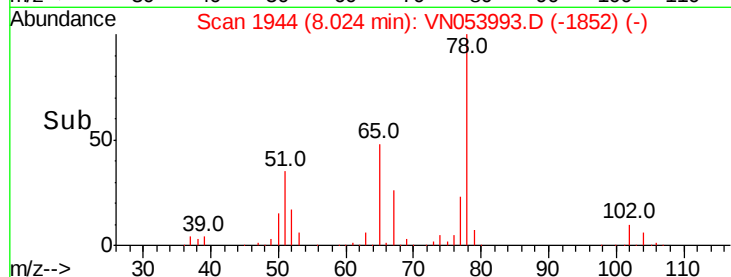
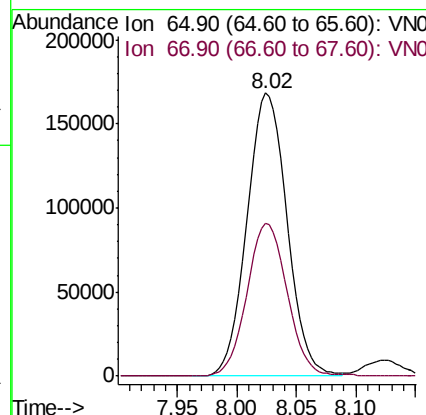
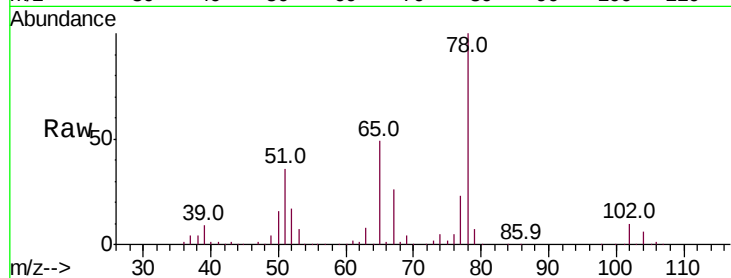




#33
 1,2-Dichloroethane-d4
 Concen: 48.420 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

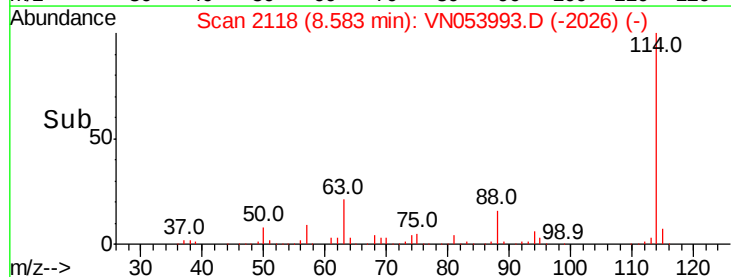
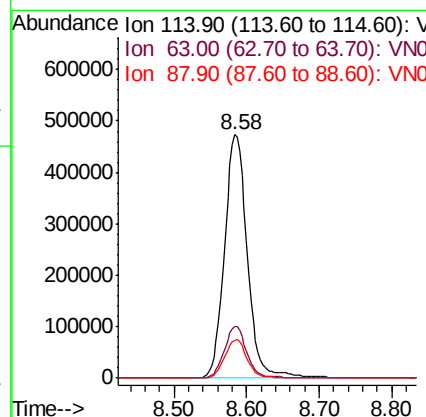
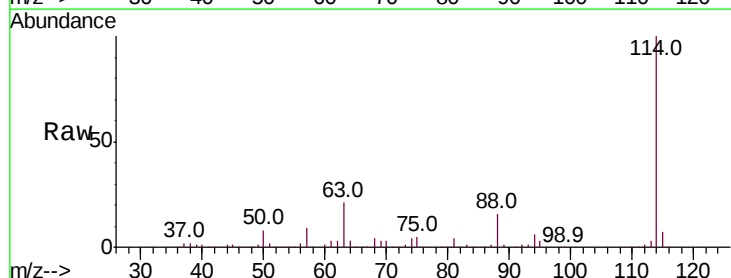
Instrument :
 MSVOA_N
 ClientSampleId :

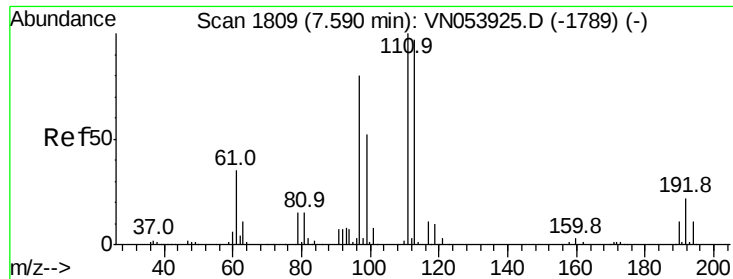
Tot Ion: 65 Resp: 393142
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 114 Resp: 1035672
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 37.4
 88 15.7 0.0 30.4

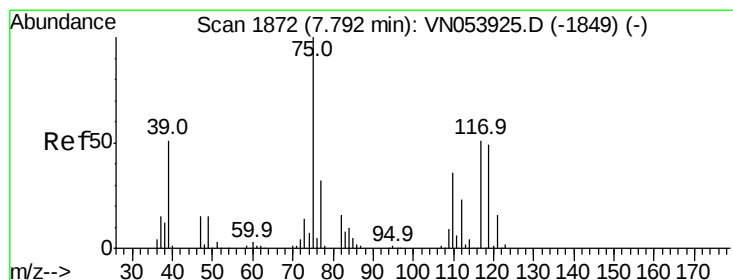
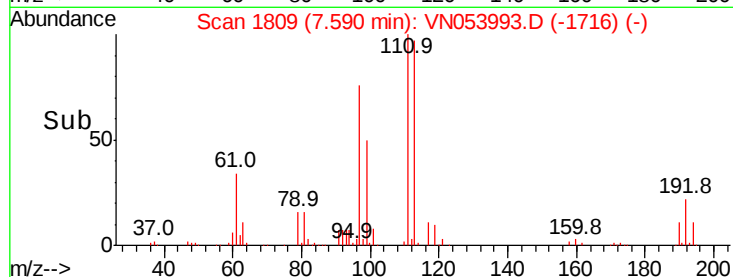
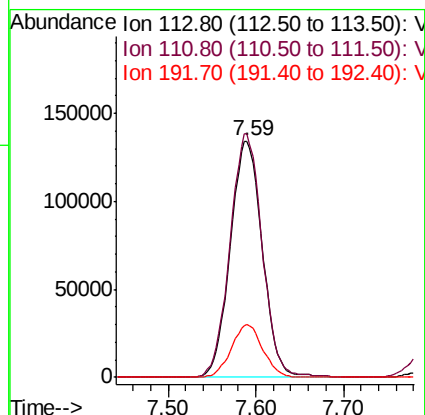
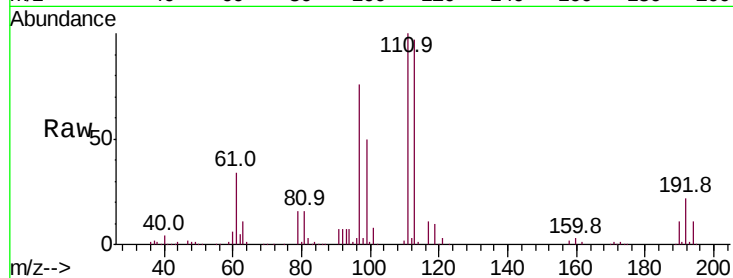




#35
 Dibromofluoromethane
 Concen: 51.098 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

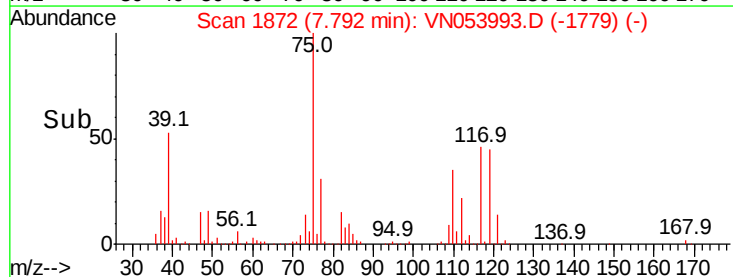
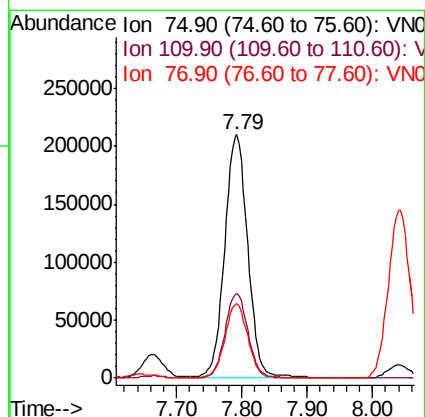
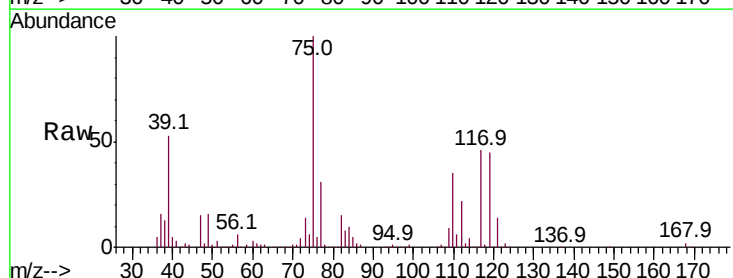
Instrument :
 MSVOA_N
 ClientSampleId :

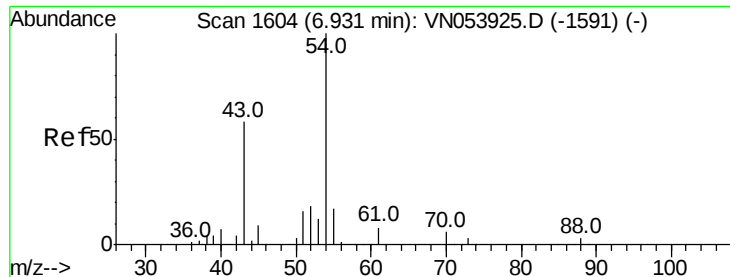
Tot Ion:113 Resp: 342214
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.1 121.7
 192 21.9 18.8 28.2



#36
 1,1-Dichloropropene
 Concen: 53.428 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 75 Resp: 514585
 Ion Ratio Lower Upper
 75 100
 110 34.8 19.0 57.0
 77 30.6 25.4 38.0

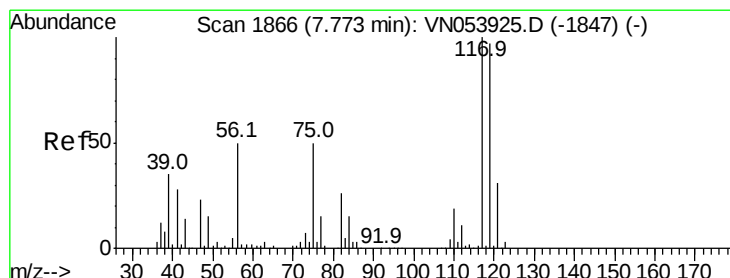
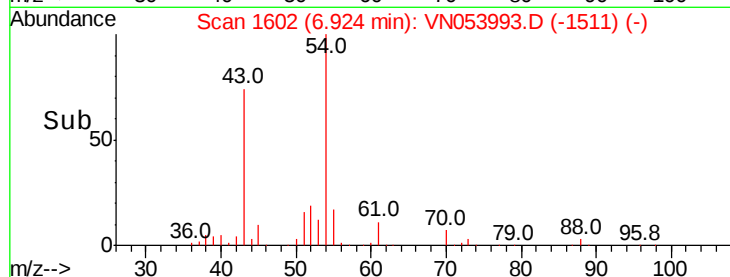
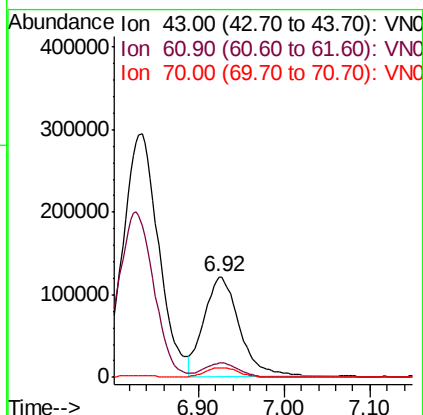
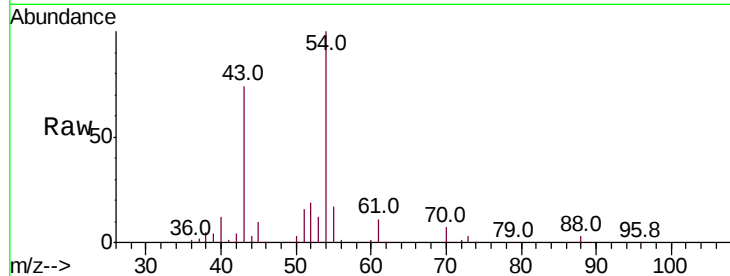




#37
Ethyl Acetate
Concen: 50.532 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

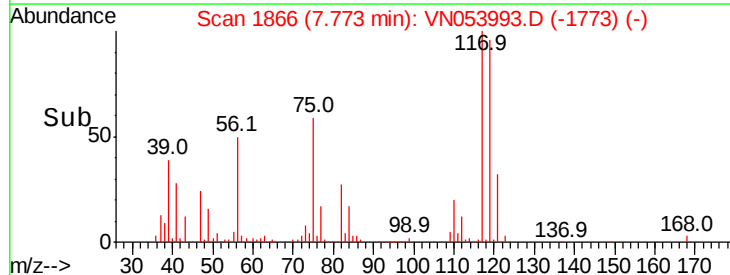
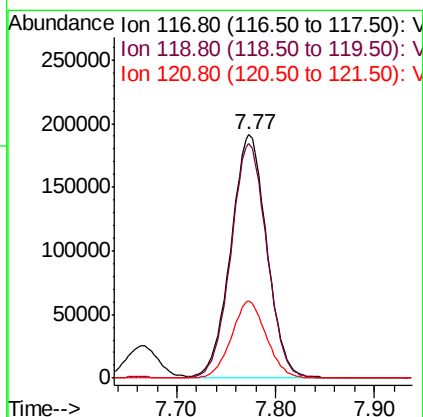
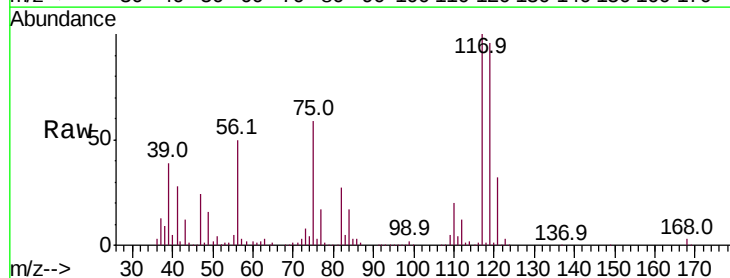
Instrument :
MSVOA_N
ClientSampleId :

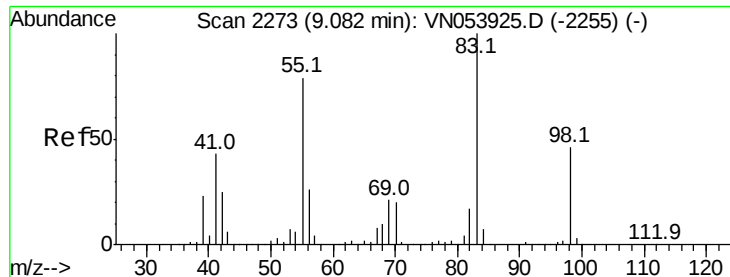
Tot Ion: 43 Resp: 347517
Ion Ratio Lower Upper
43 100
61 13.6 12.0 18.0
70 9.1 8.7 13.1



#38
Carbon Tetrachloride
Concen: 48.097 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 117 Resp: 481782
Ion Ratio Lower Upper
117 100
119 96.3 76.2 114.2
121 32.1 24.6 36.8

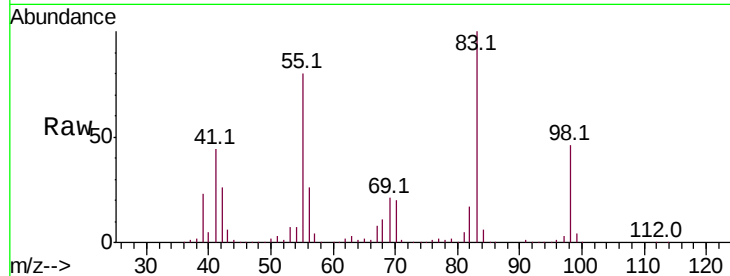




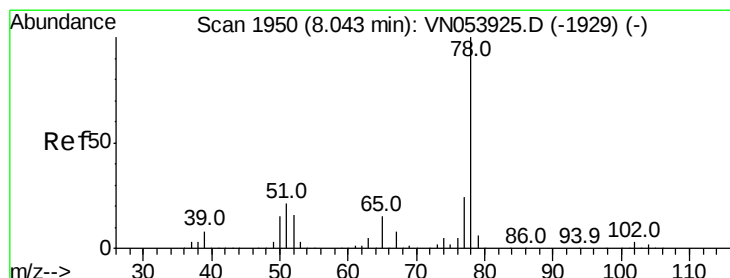
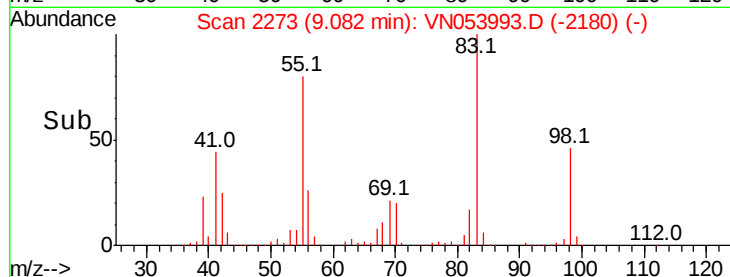
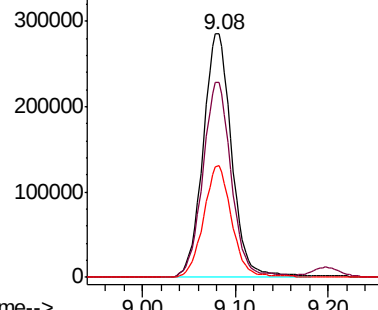
#39
Methvlcvclohexane
Concen: 52.521 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 609699
Ion Ratio Lower Upper
83 100
55 79.9 58.2 87.4
98 45.8 37.2 55.8

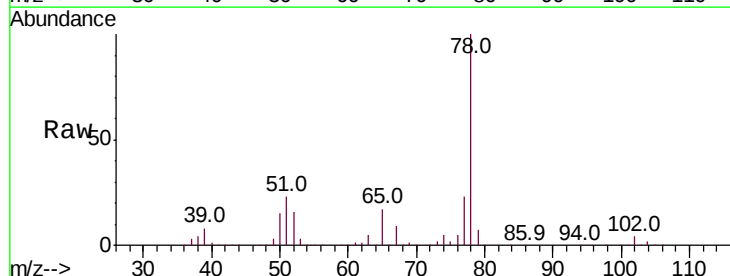


Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO

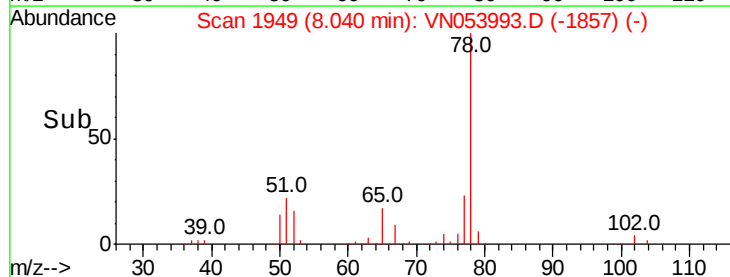
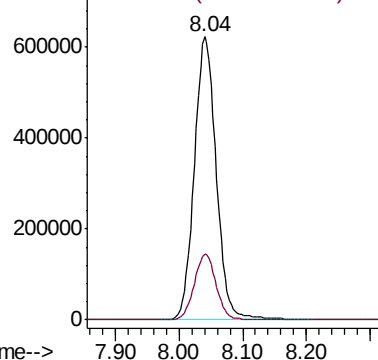


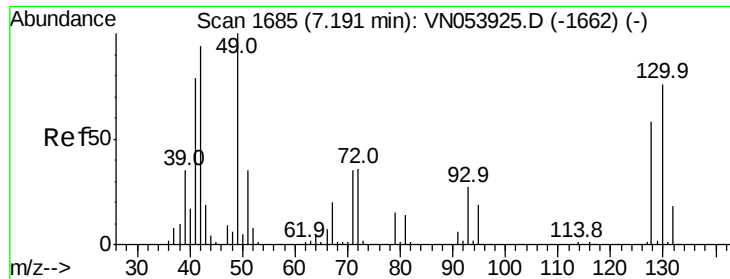
#40
Benzene
Concen: 50.481 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 78 Resp: 1493640
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2



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

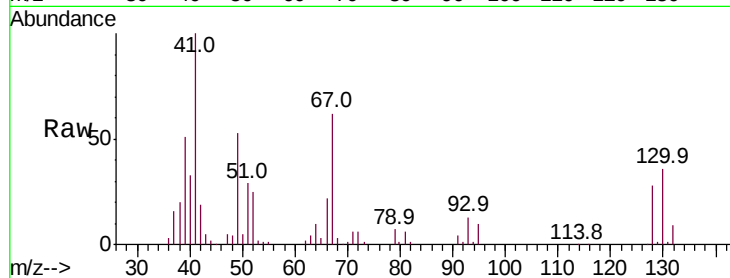




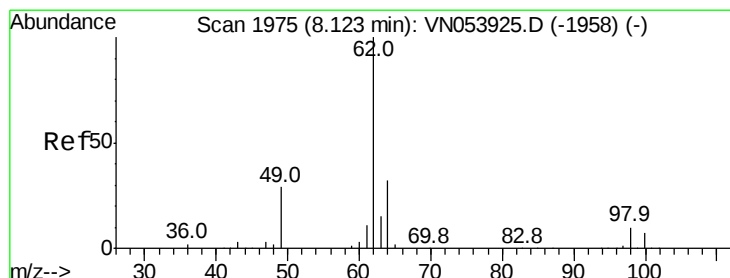
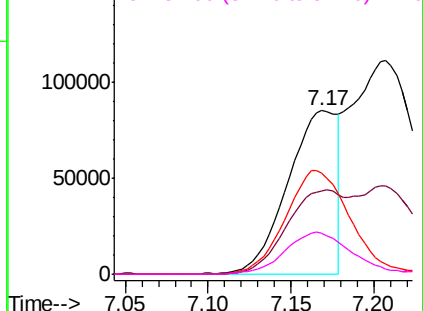
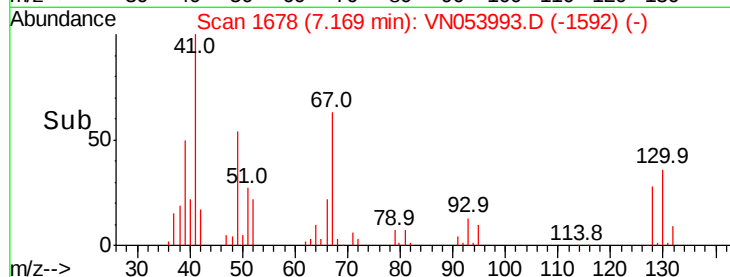
#41
Methacrylonitrile
Concen: 40.027 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 177251
Ion Ratio Lower Upper
41 100
39 60.9 0.0 0.0#
67 83.5 0.0 0.0#
52 34.0 0.0 0.0#

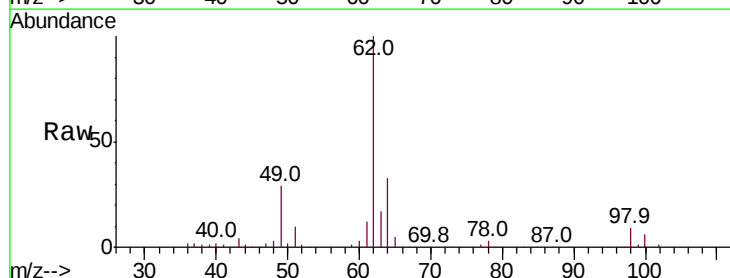


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

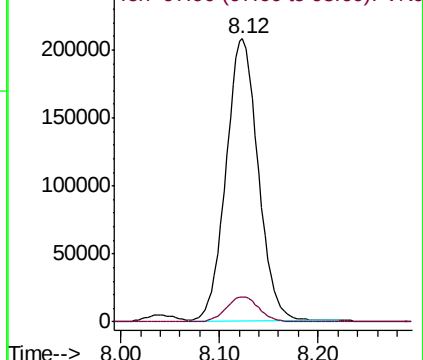
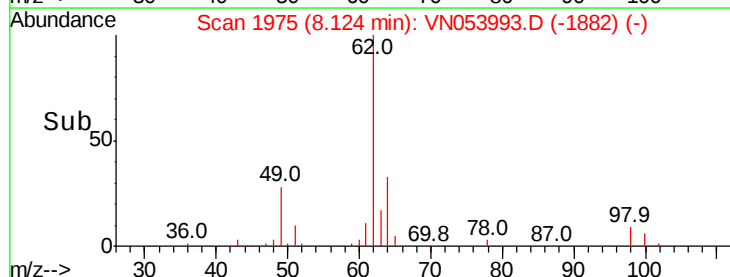


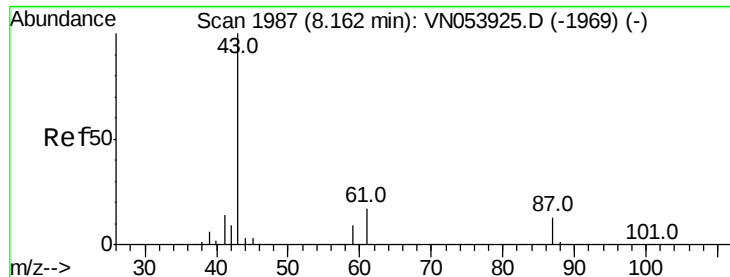
#42
1,2-Dichloroethane
Concen: 51.606 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 62 Resp: 472727
Ion Ratio Lower Upper
62 100
98 9.2 0.0 20.8



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





#43

Isopropyl Acetate

Concen: 51.148 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

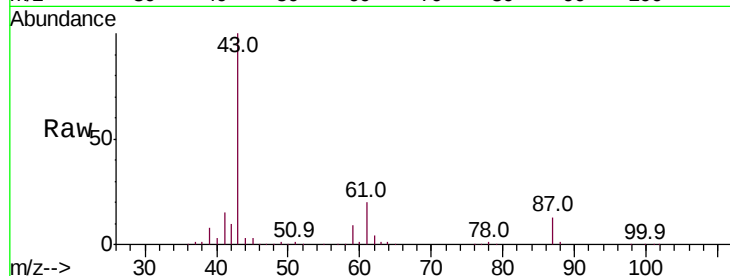
Tot Ion: 43 Resp: 593903

Ion Ratio Lower Upper

43 100

61 27.0 17.4 26.0#

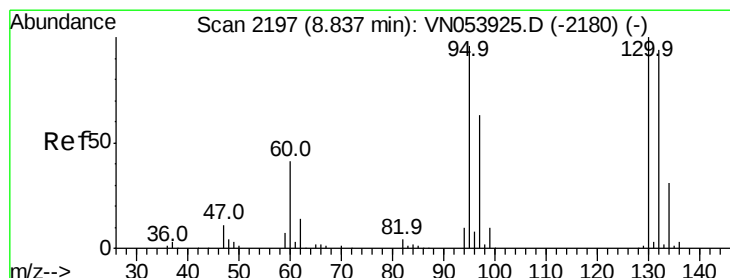
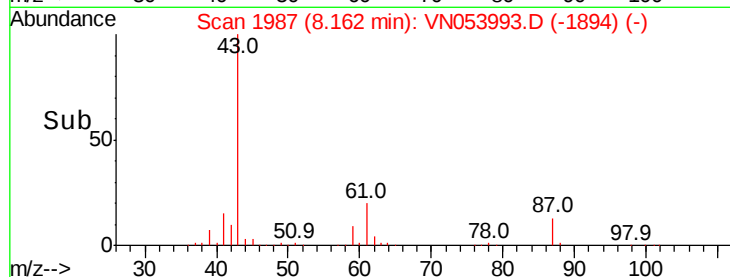
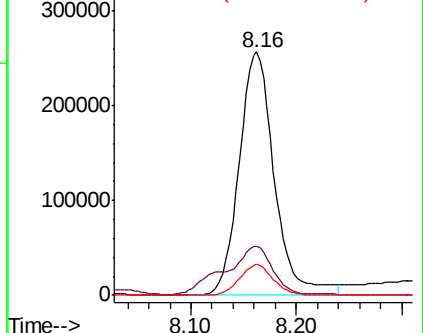
87 12.1 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN053925.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN053925.D (-1969) (-)



#44

Trichloroethene

Concen: 50.381 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053993.D

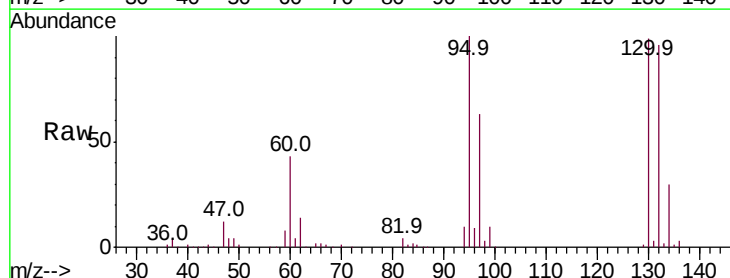
Acq: 28 Feb 2019 9:38

Tgt Ion:130 Resp: 395191

Ion Ratio Lower Upper

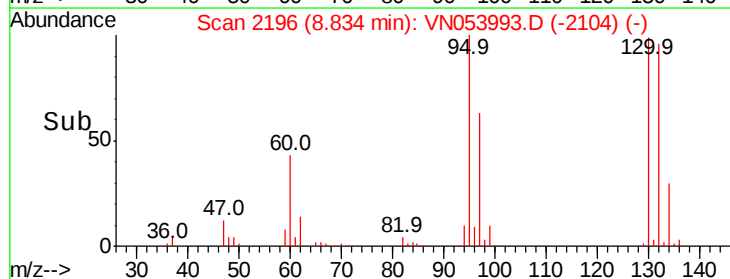
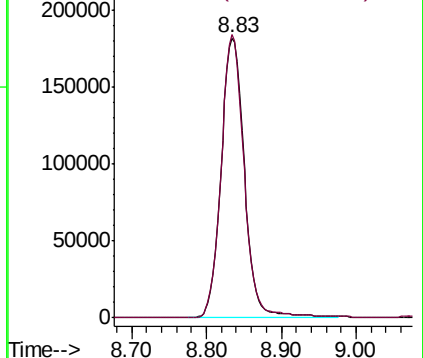
130 100

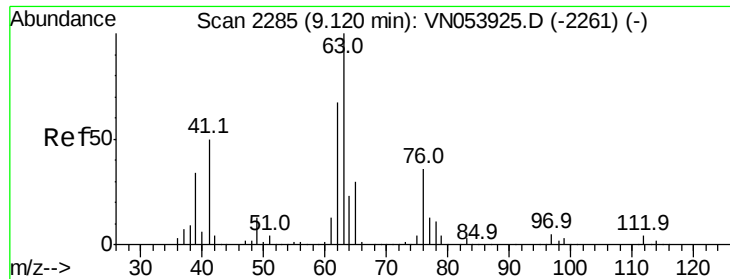
95 101.1 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053925.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN053925.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 50.618 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

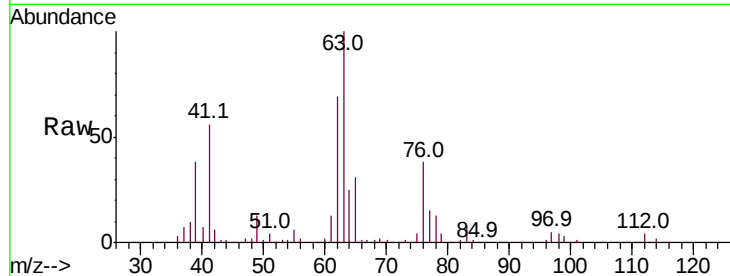
ClientSampleId :

Tot Ion: 63 Resp: 404067

Ion Ratio Lower Upper

63 100

65 30.9 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

200000

150000

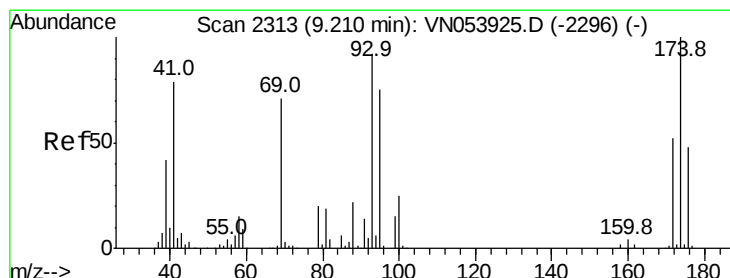
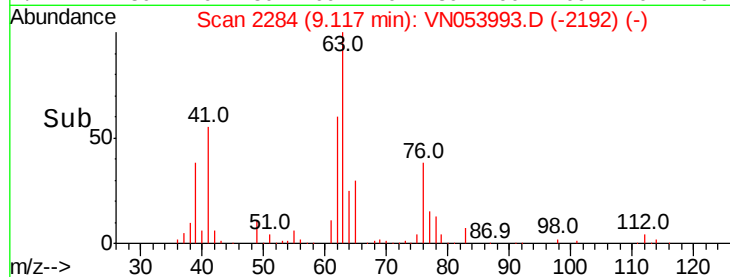
100000

50000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 50.393 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

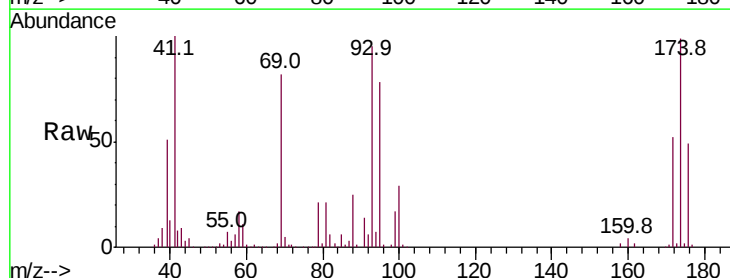
Tgt Ion: 93 Resp: 233542

Ion Ratio Lower Upper

93 100

95 84.0 66.6 100.0

174 106.4 96.2 144.4



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

150000

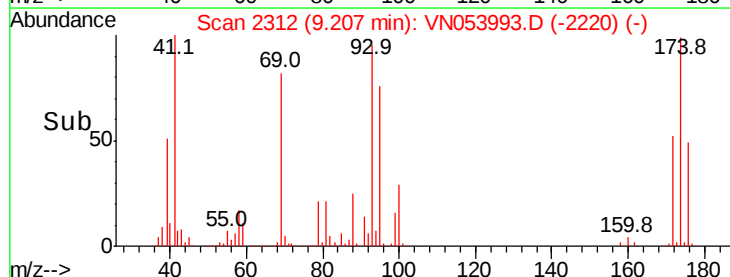
100000

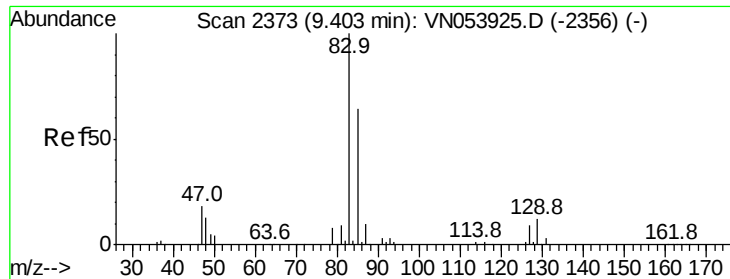
50000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 52.098 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

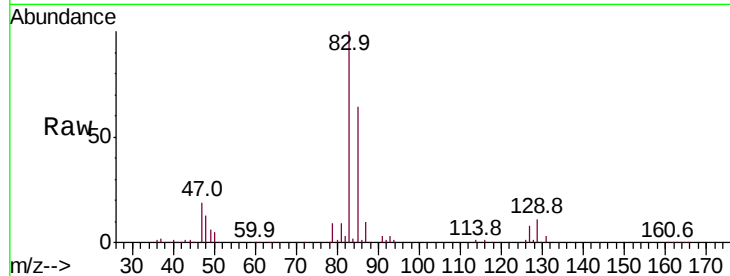
Tot Ion: 83 Resp: 508824

Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.6

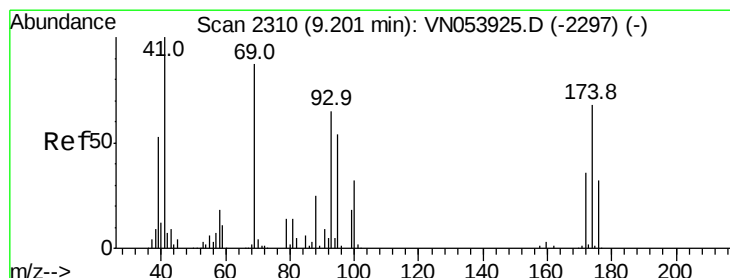
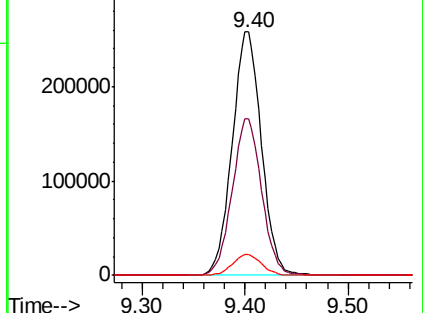
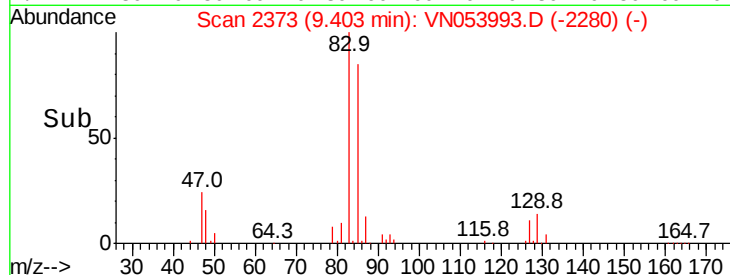
127 8.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN053993.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053993.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053993.D (-2280) (-)



#48

Methyl methacrylate

Concen: 54.377 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

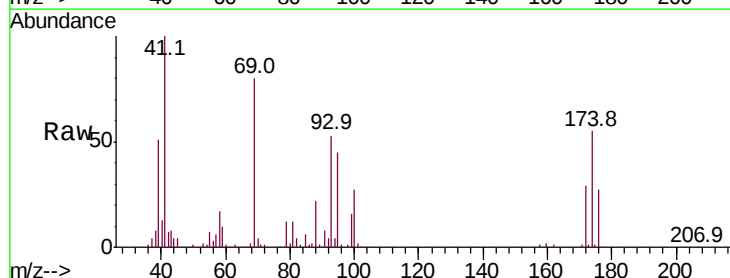
Tgt Ion: 41 Resp: 290427

Ion Ratio Lower Upper

41 100

69 88.0 74.8 112.2

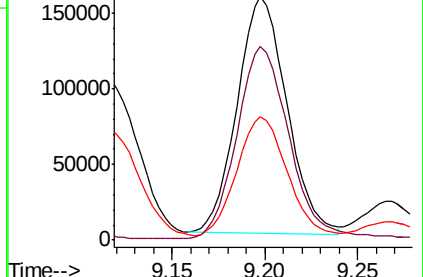
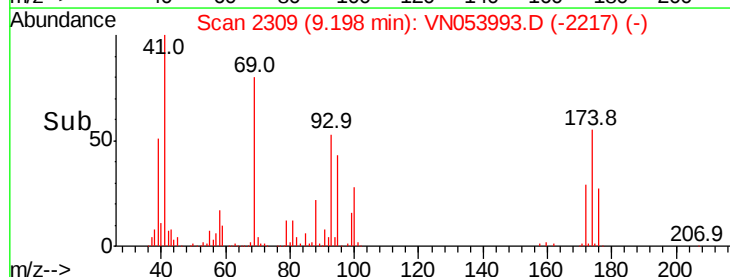
39 54.5 39.0 58.6

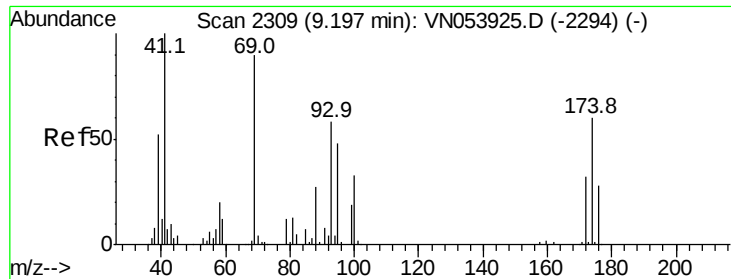


Abundance Ion 41.00 (40.70 to 41.70): VN053993.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053993.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053993.D (-2217) (-)

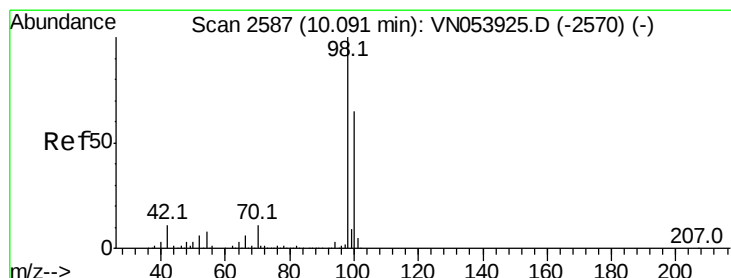
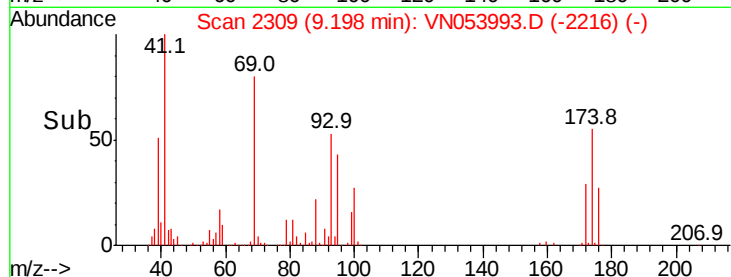
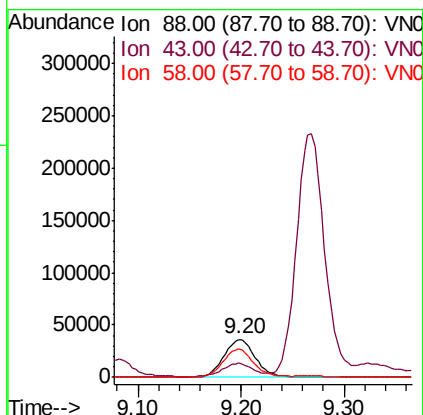
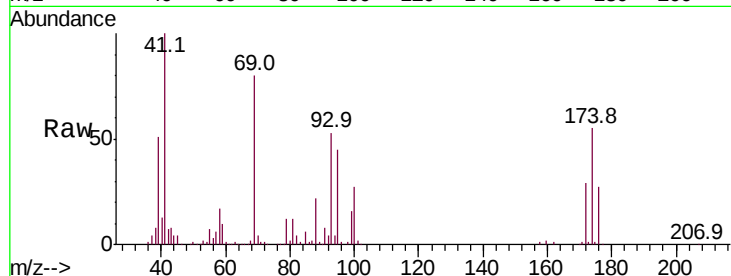




#49
 1,4-Dioxane
 Concen: 1080.415 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

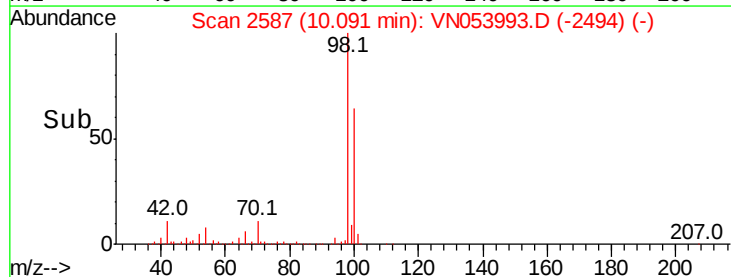
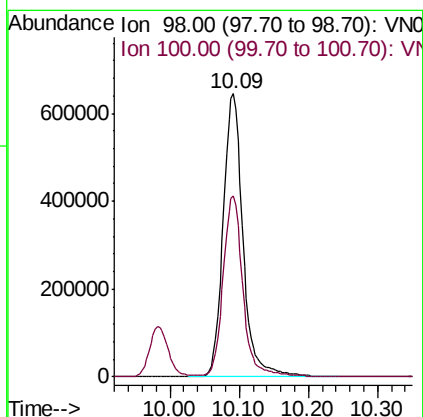
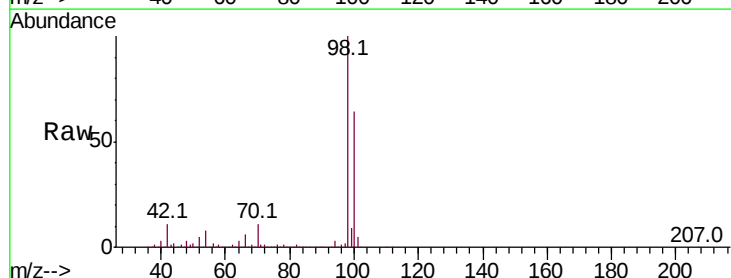
Instrument :
 MSVOA_N
 ClientSampled :

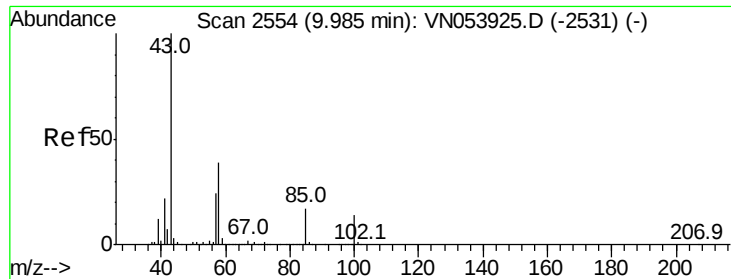
Tot Ion: 88 Resp: 78157
 Ion Ratio Lower Upper
 88 100
 43 33.9 21.2 31.8#
 58 71.9 54.2 81.2



#50
 Toluene-d8
 Concen: 51.599 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 98 Resp: 1286421
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.9 77.9

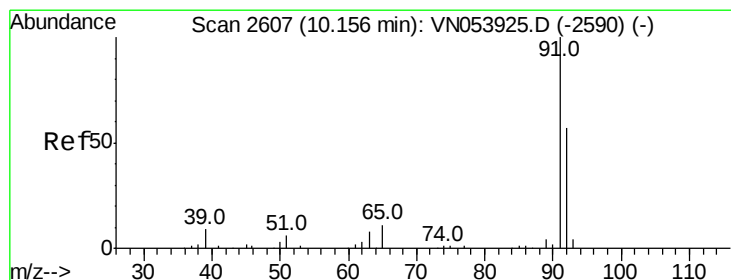
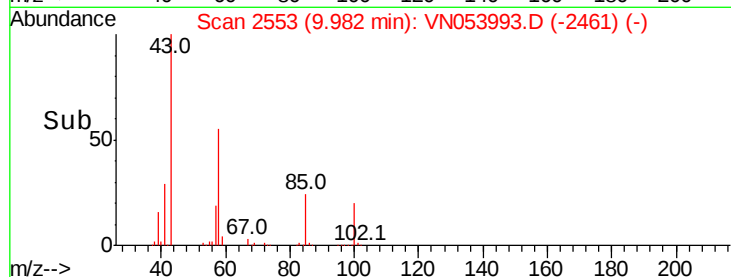
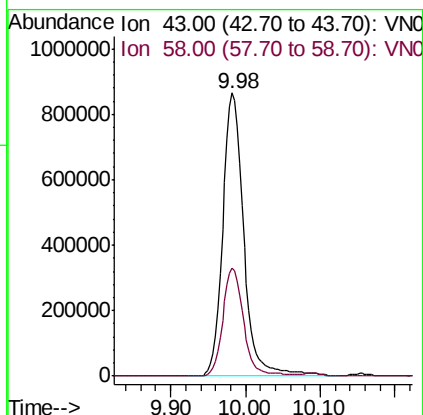
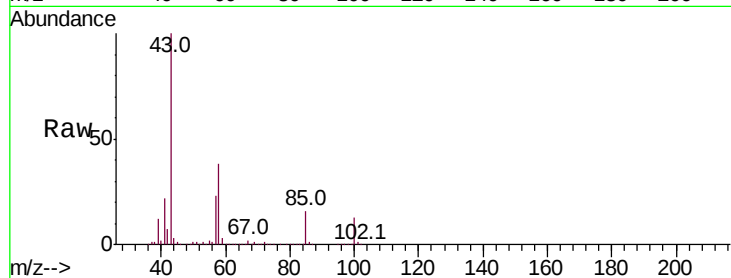




#51
4-Methyl-2-Pentanone
Concen: 280.454 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

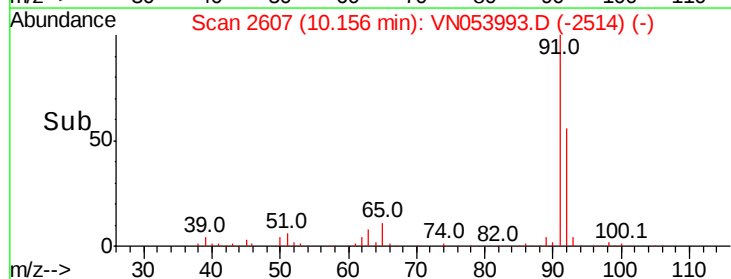
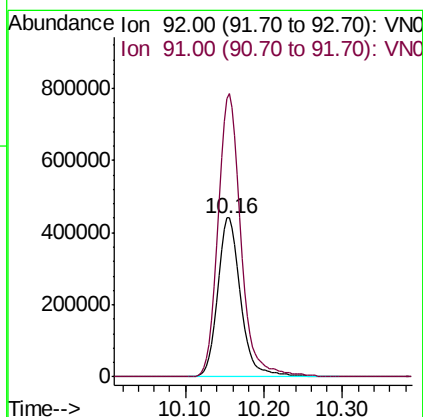
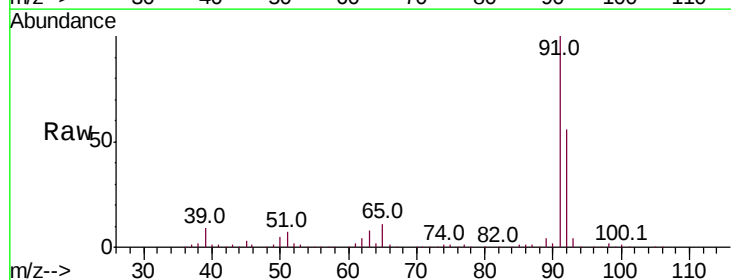
Instrument :
MSVOA_N
ClientSampleId :

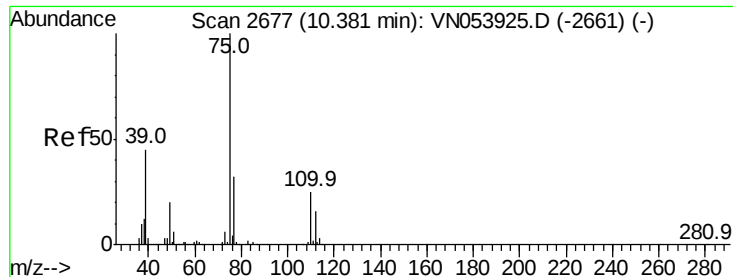
Tot Ion: 43 Resp: 1673411
Ion Ratio Lower Upper
43 100
58 37.8 32.7 49.1



#52
Toluene
Concen: 50.974 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 92 Resp: 888083
Ion Ratio Lower Upper
92 100
91 177.3 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 53.666 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

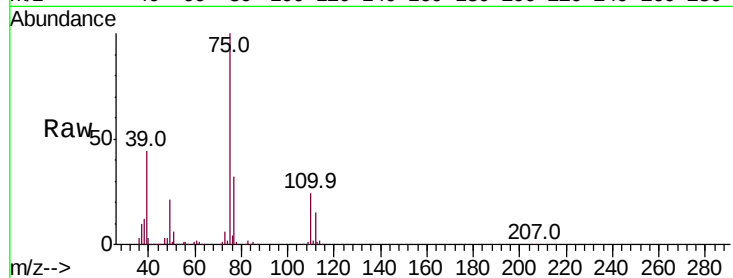
ClientSampleId :

Tot Ion: 75 Resp: 509983

Ion Ratio Lower Upper

75 100

77 31.8 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

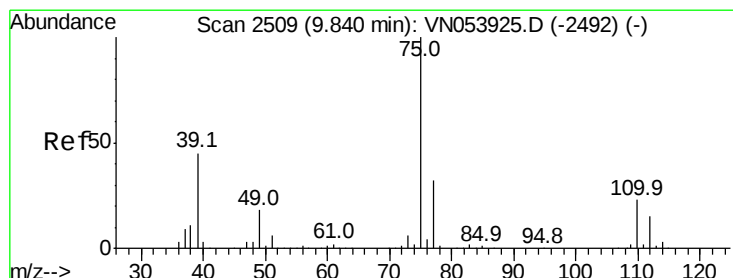
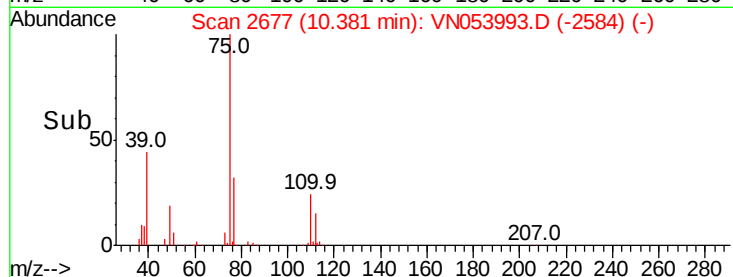
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.619 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

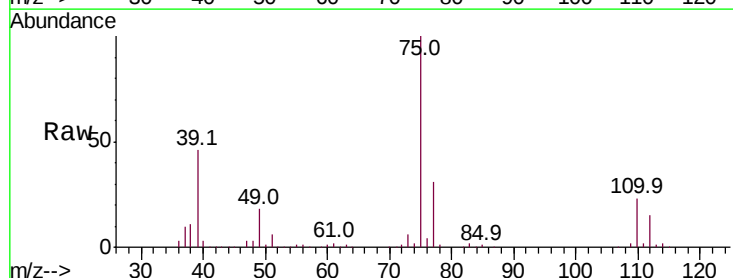
Tgt Ion: 75 Resp: 589481

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

39 46.1 31.4 47.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

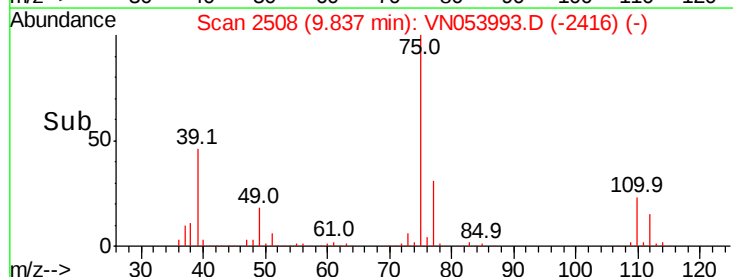
300000

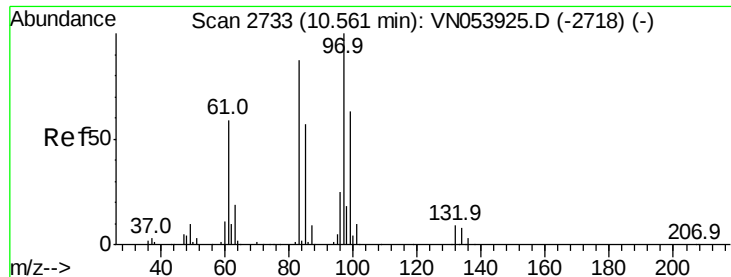
200000

100000

0

Time-->

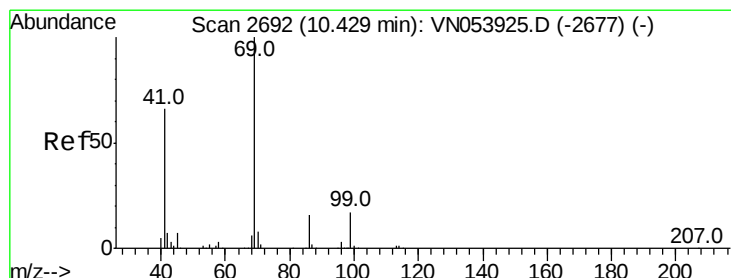
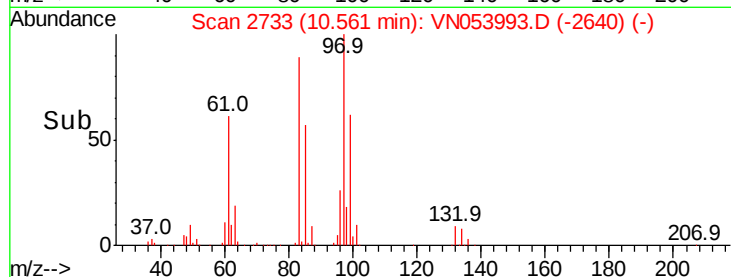
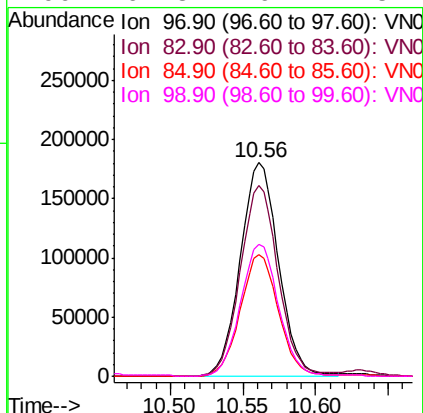
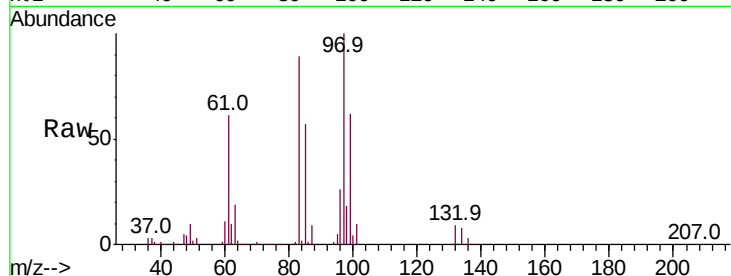




#55
 1,1,2-Trichloroethane
 Concen: 50.735 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

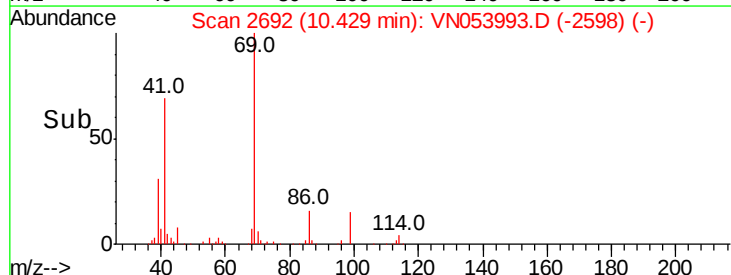
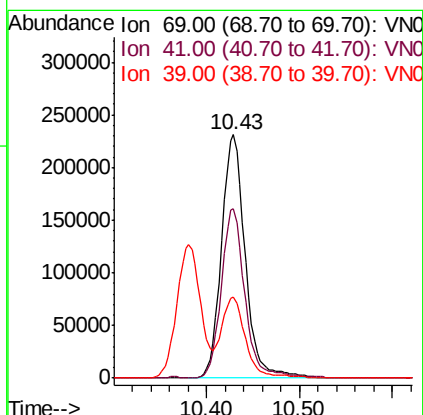
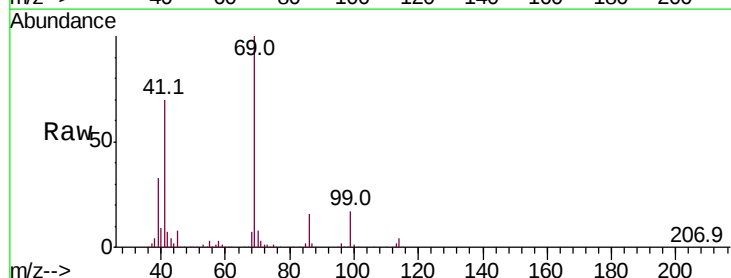
Instrument :
 MSVOA_N
 ClientSampleId :

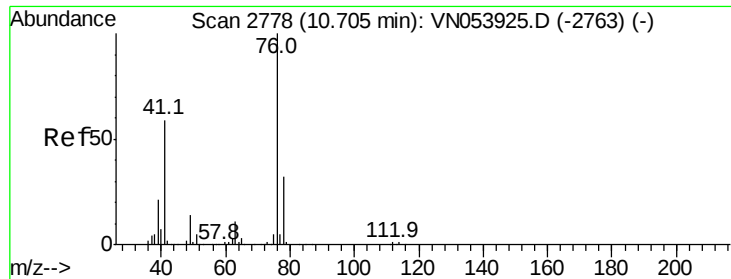
Tot Ion:	97	Resp:	330108
Ion	Ratio	Lower	Upper
97	100		
83	89.1	69.5	104.3
85	57.2	45.9	68.9
99	61.8	49.1	73.7



#56
 Ethyl methacrylate
 Concen: 48.218 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion:	69	Resp:	410753
Ion	Ratio	Lower	Upper
69	100		
41	69.3	47.5	71.3
39	33.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 51.461 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

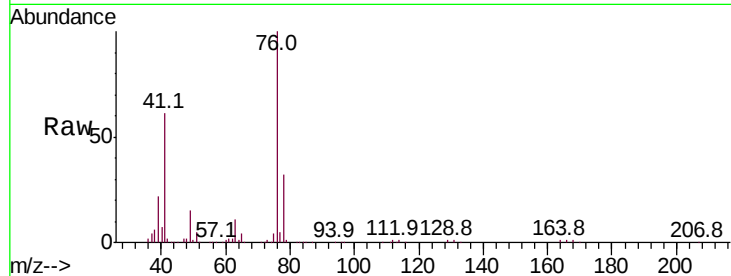
ClientSampleId :

Tot Ion: 76 Resp: 565744

Ion Ratio Lower Upper

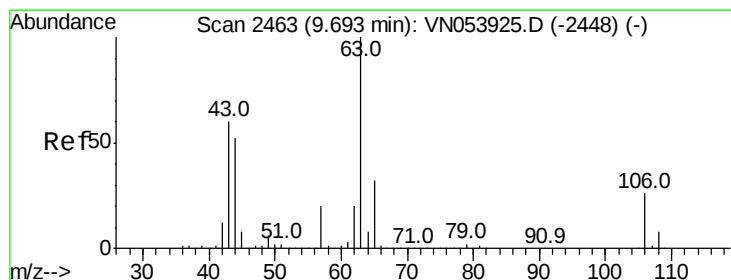
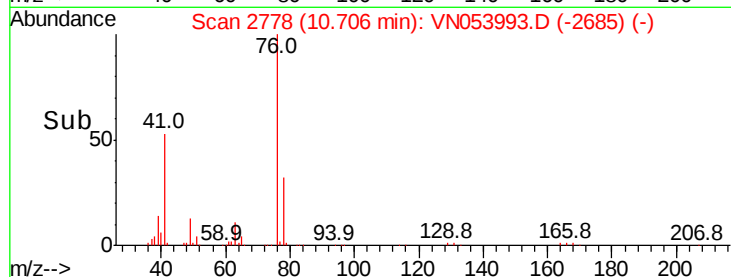
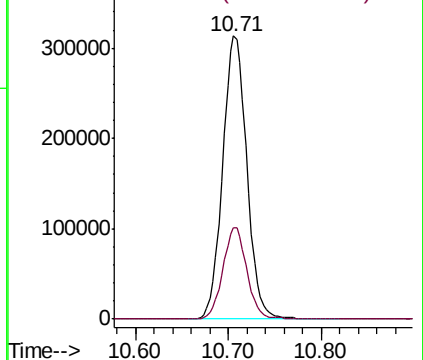
76 100

78 32.2 25.2 37.8



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: 241.029 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053993.D

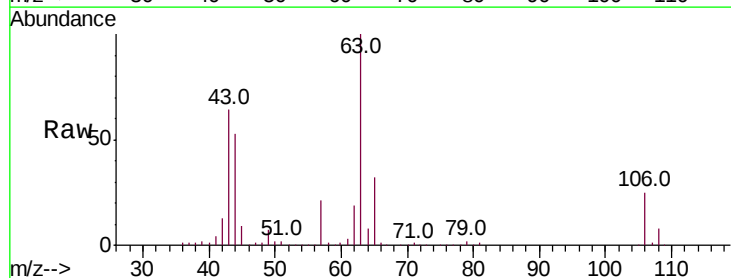
Acq: 28 Feb 2019 9:38

Tgt Ion: 63 Resp: 955318

Ion Ratio Lower Upper

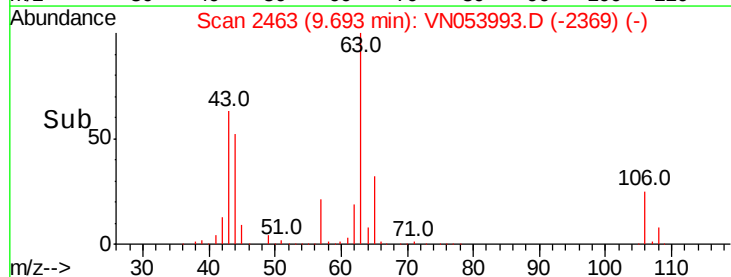
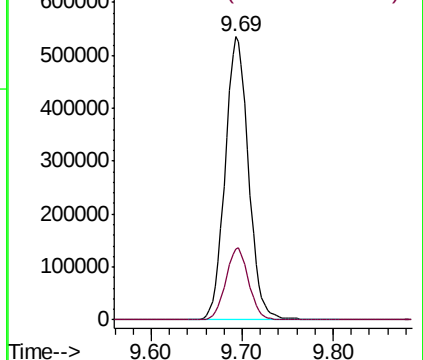
63 100

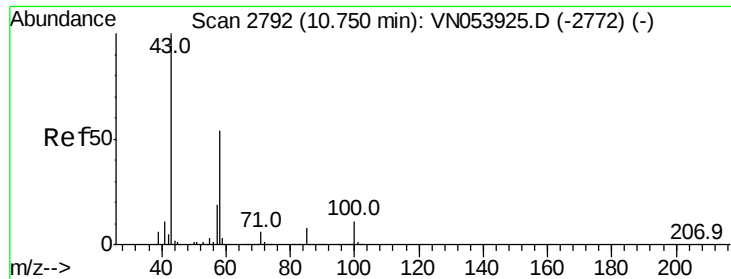
106 25.1 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

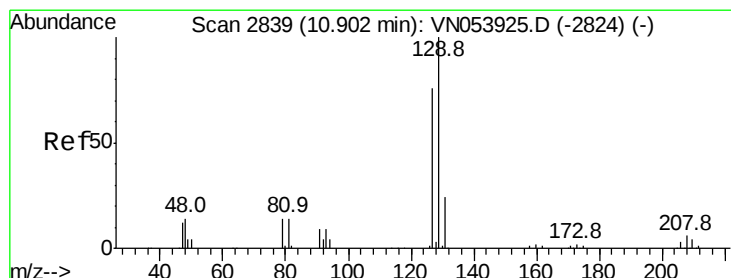
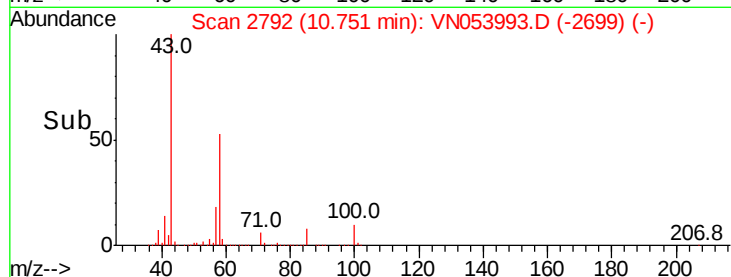
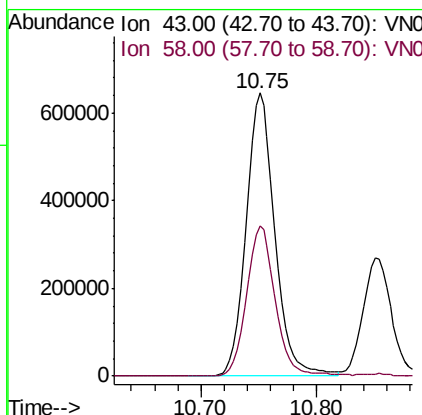
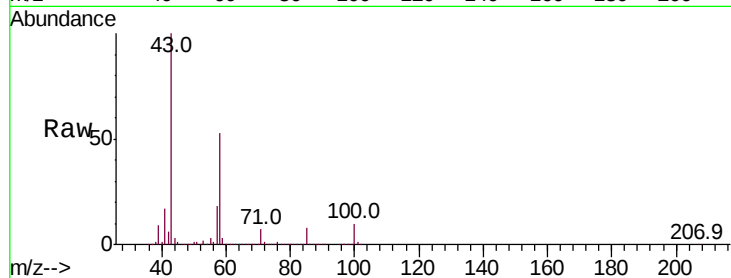




#59
2-Hexanone
Concen: 286.532 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

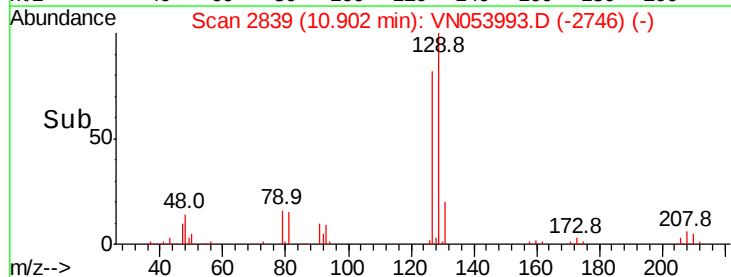
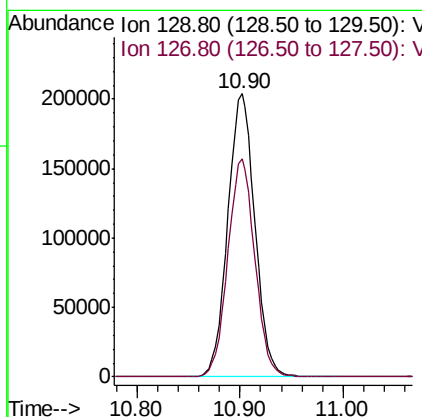
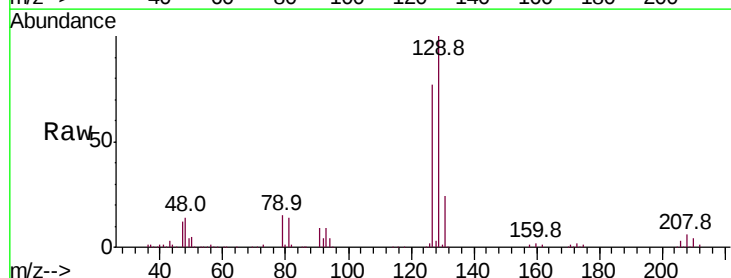
Instrument :
MSVOA_N
ClientSampleId :

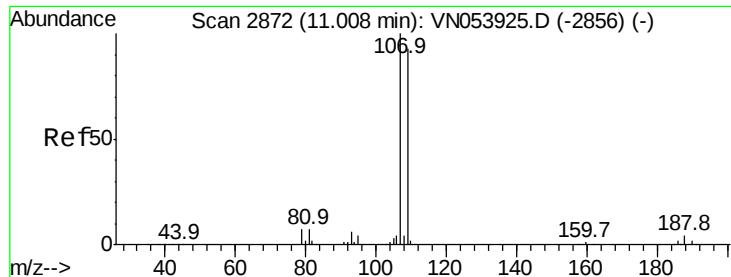
Tot Ion: 43 Resp: 1111946
Ion Ratio Lower Upper
43 100
58 53.2 29.1 87.4



#60
Dibromochloromethane
Concen: 51.723 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 129 Resp: 374017
Ion Ratio Lower Upper
129 100
127 76.8 38.8 116.3

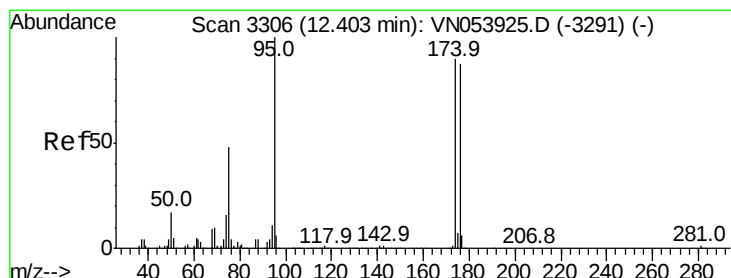
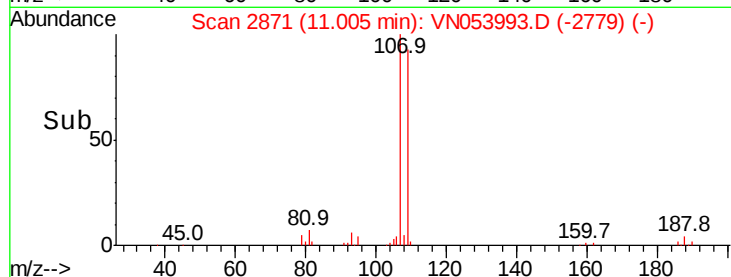
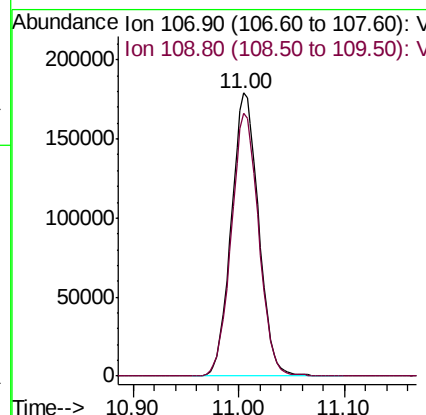
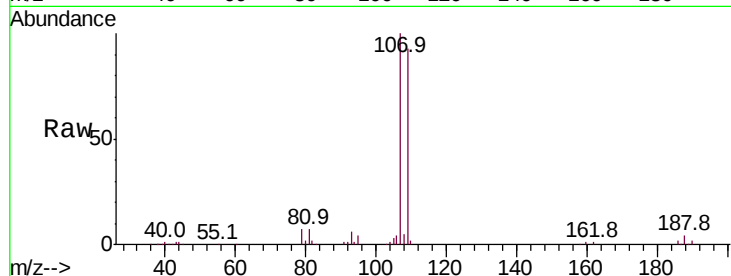




#61
 1,2-Dibromoethane
 Concen: 50.987 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

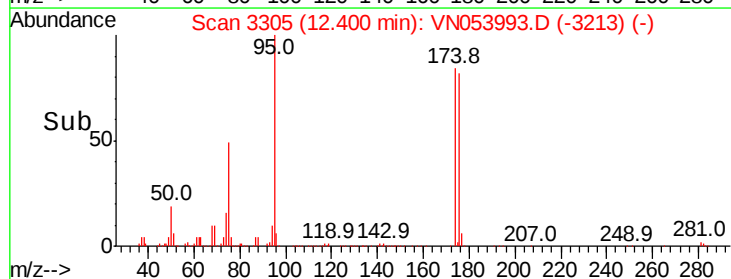
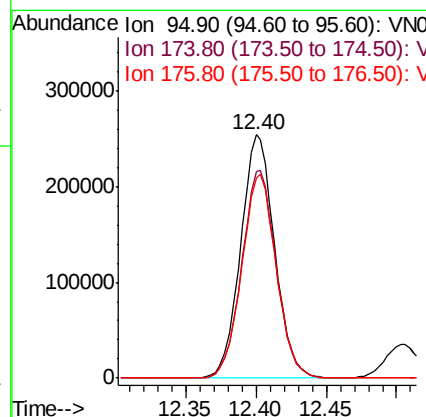
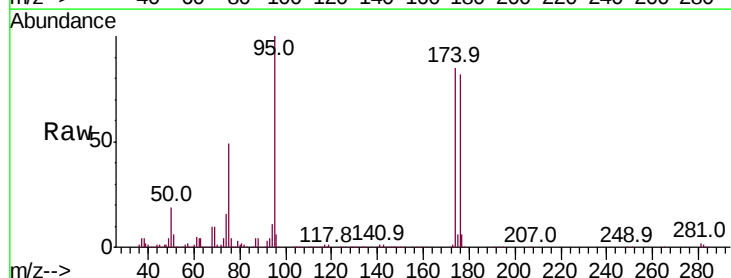
Instrument :
 MSVOA_N
 ClientSampleId :

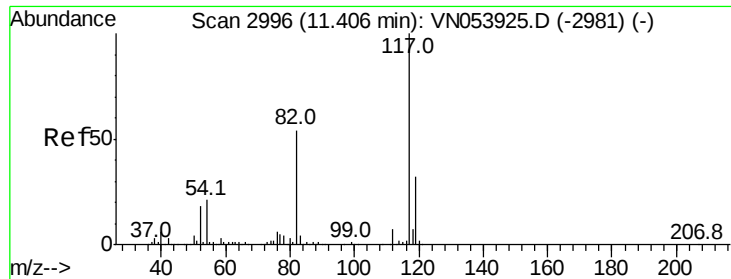
Tot Ion:107 Resp: 320022
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 51.539 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion: 95 Resp: 428096
 Ion Ratio Lower Upper
 95 100
 174 86.4 0.0 188.8
 176 84.8 0.0 182.6

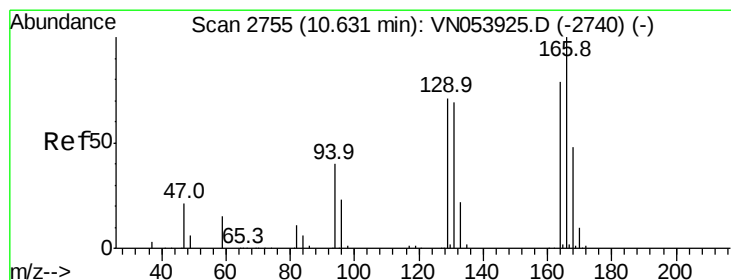
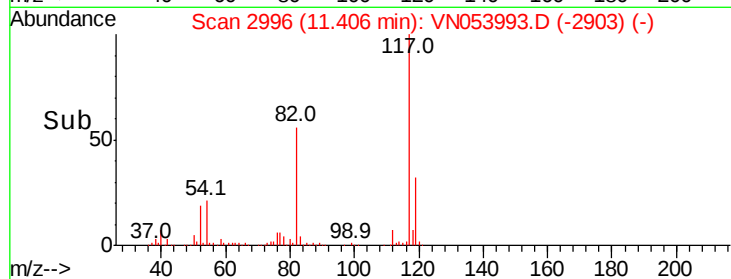
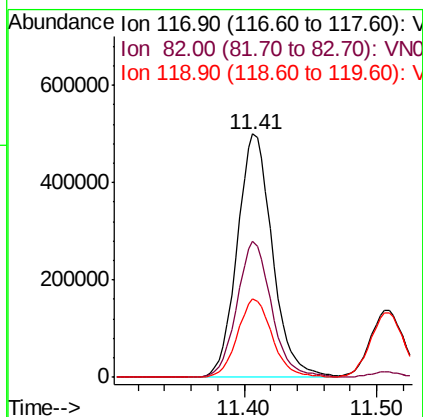
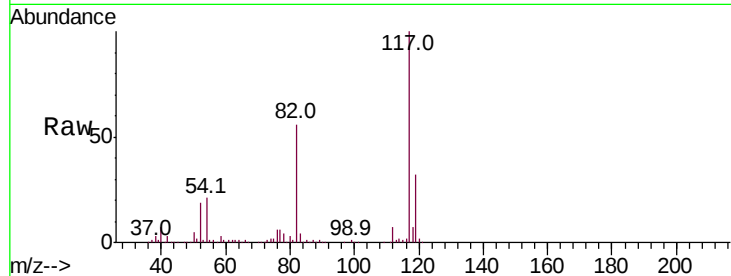




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

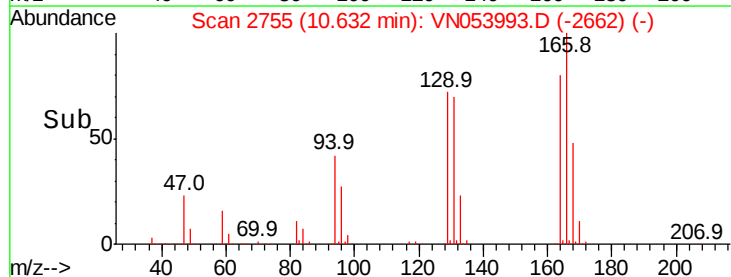
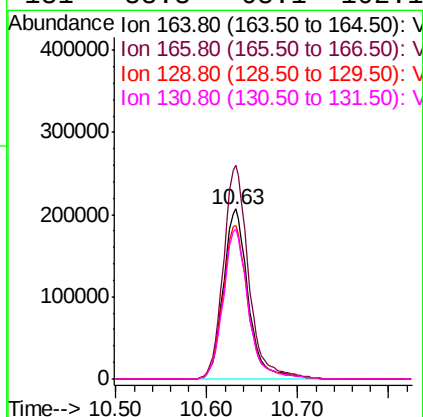
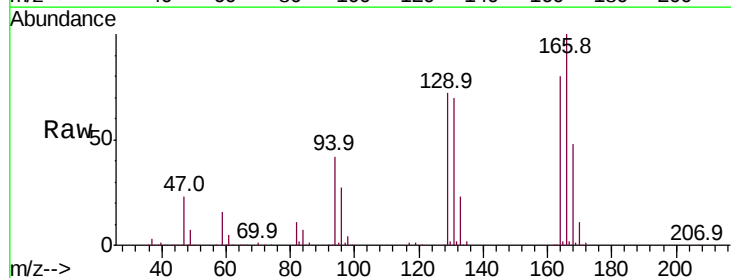
Instrument :
MSVOA_N
ClientSampleId :

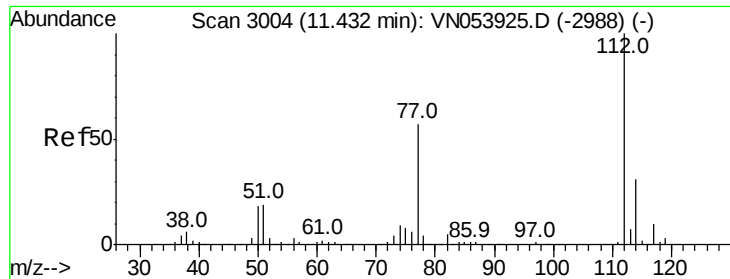
Tot Ion:117 Resp: 921340
Ion Ratio Lower Upper
117 100
82 55.7 41.4 62.2
119 32.0 25.3 37.9



#64
Tetrachloroethene
Concen: 50.629 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion:164 Resp: 394997
Ion Ratio Lower Upper
164 100
166 125.7 102.6 153.8
129 90.7 69.4 104.0
131 88.3 68.1 102.1

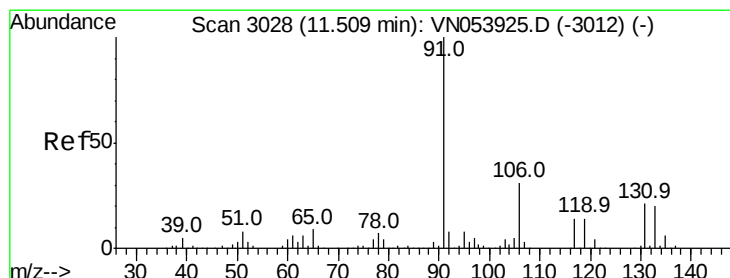
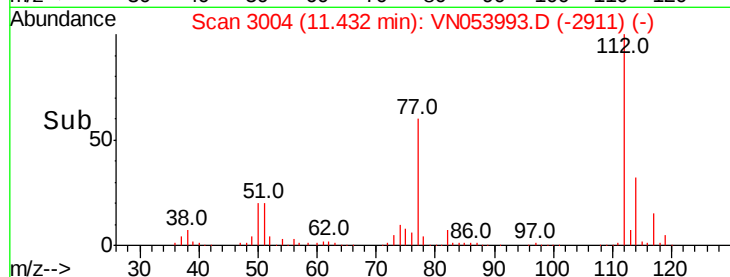
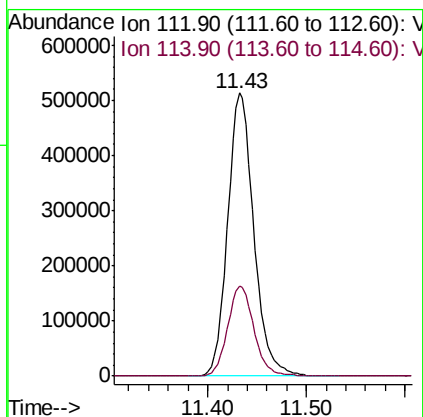
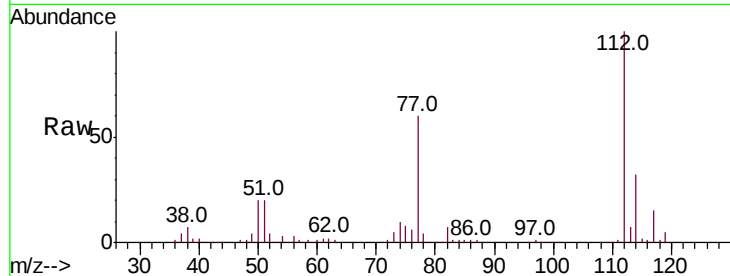




#65
Chlorobenzene
Concen: 48.889 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

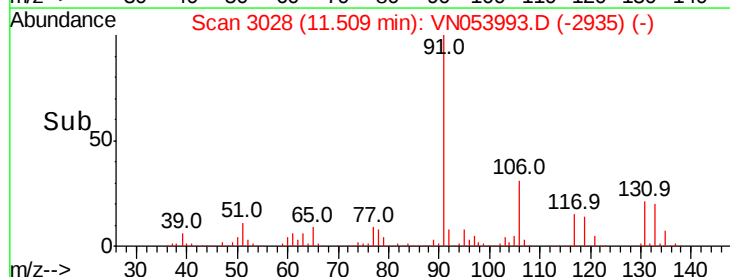
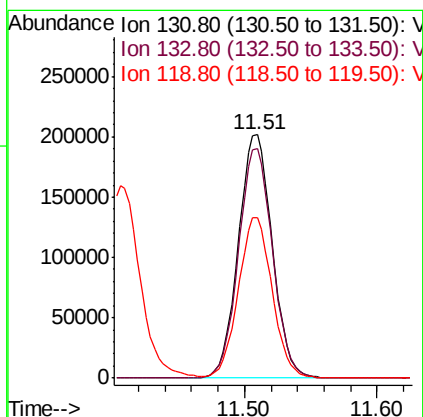
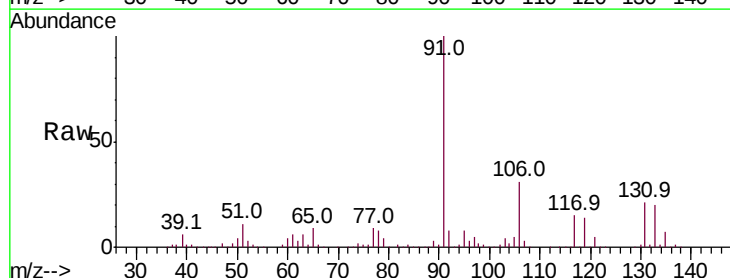
Instrument :
MSVOA_N
ClientSampled :

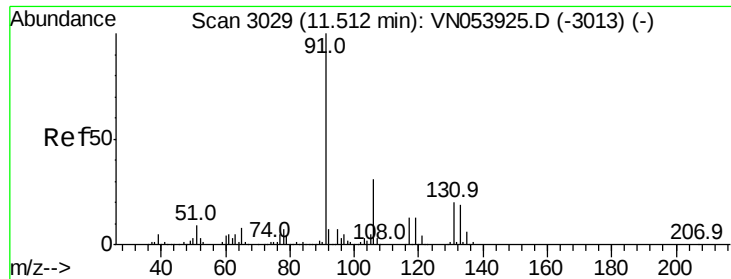
Tot Ion:112 Resp: 950618
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 51.042 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion:131 Resp: 357694
Ion Ratio Lower Upper
131 100
133 94.6 47.7 143.1
119 66.1 33.1 99.3

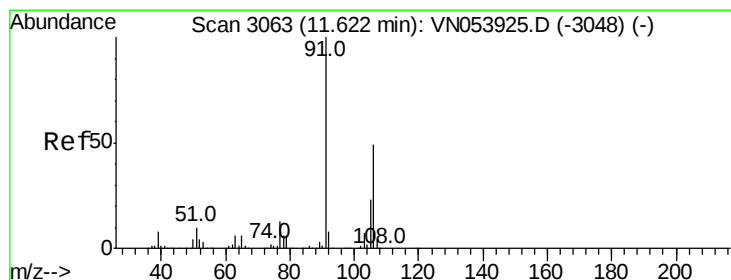
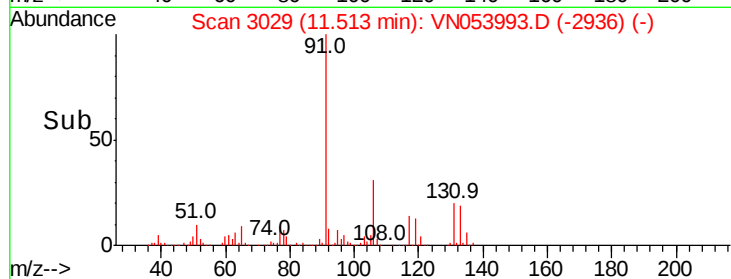
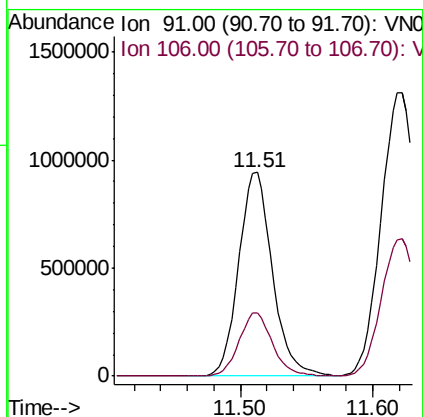
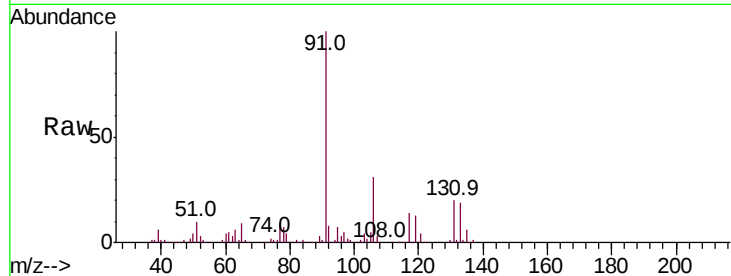




#67
Ethyl Benzene
Concen: 51.129 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

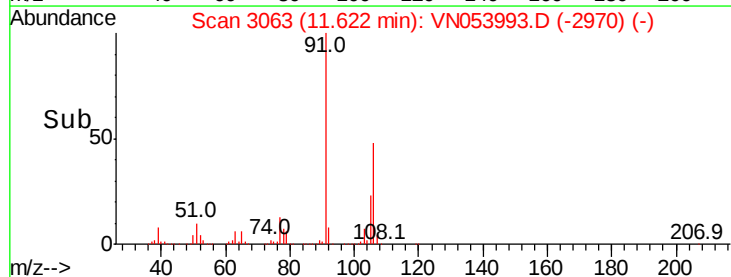
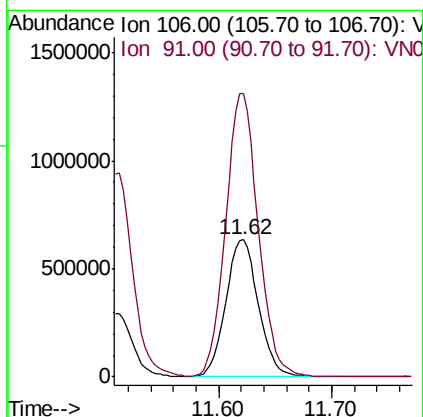
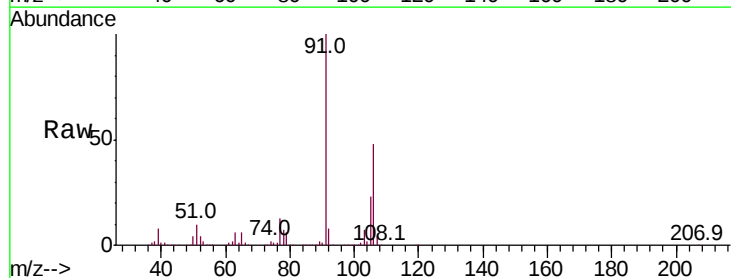
Instrument :
MSVOA_N
ClientSampled :

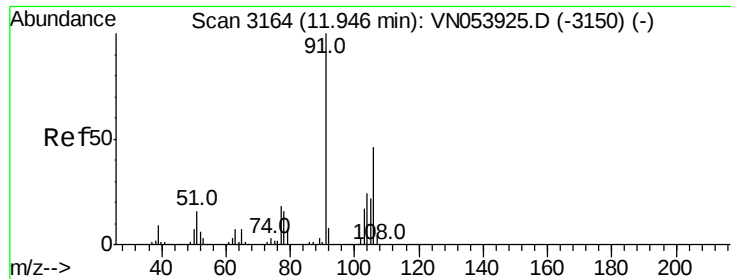
Tot Ion: 91 Resp: 1666663
Ion Ratio Lower Upper
91 100
106 31.0 25.2 37.8



#68
m/p-Xylenes
Concen: 103.332 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 106 Resp: 1271299
Ion Ratio Lower Upper
106 100
91 206.1 158.9 238.3

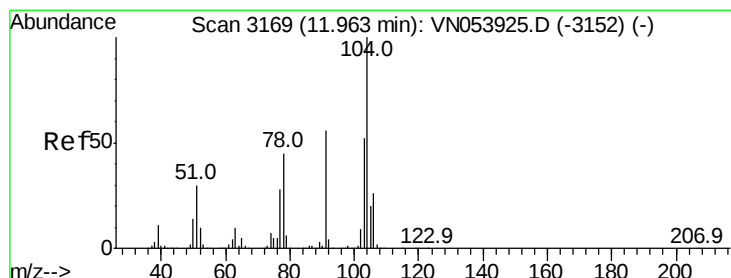
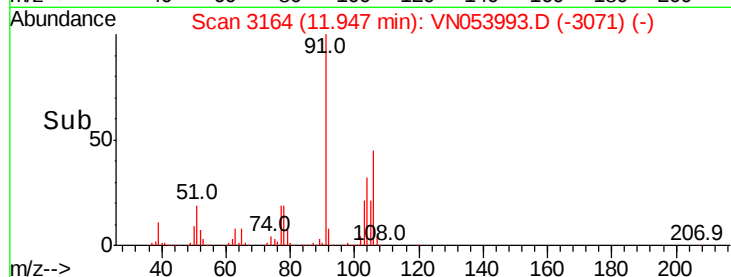
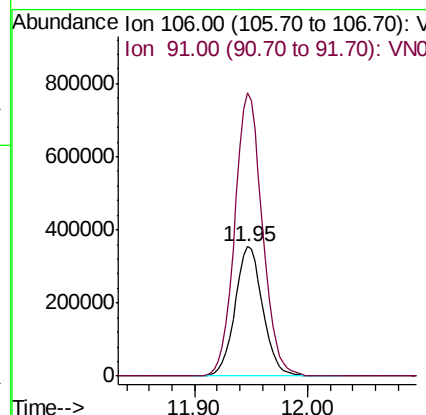
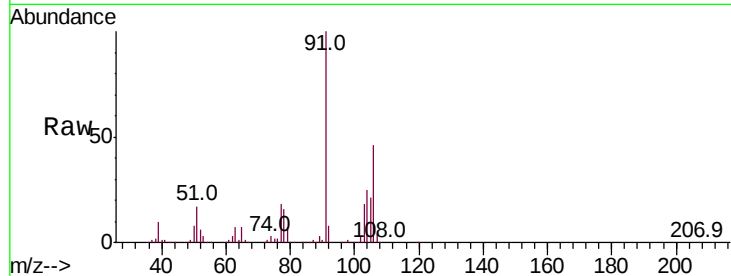




#69
o-Xylene
Concen: 49.938 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

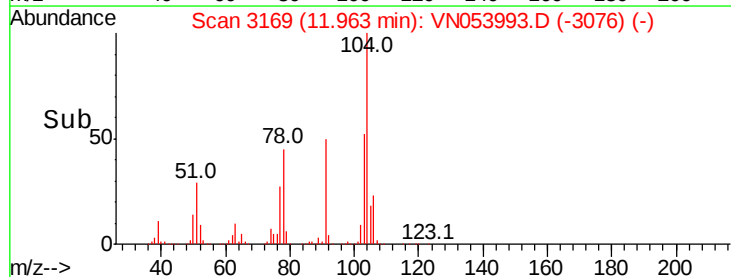
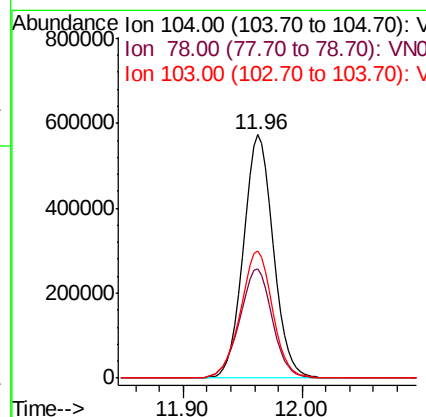
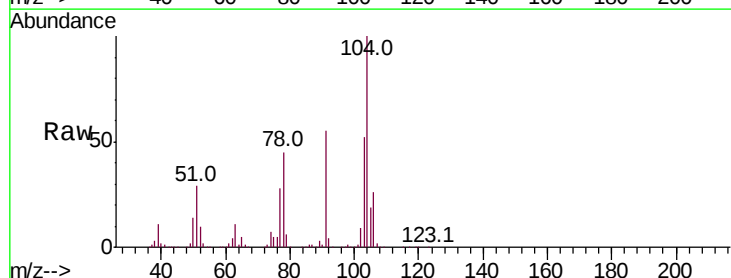
Instrument :
MSVOA_N
ClientSampled :

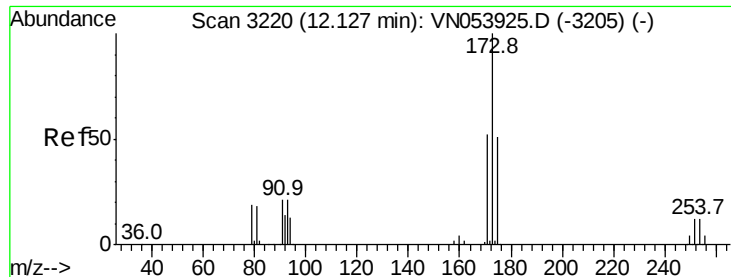
Tot Ion:106 Resp: 603686
Ion Ratio Lower Upper
106 100
91 217.7 106.0 318.0



#70
Styrene
Concen: 53.632 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion:104 Resp: 997215
Ion Ratio Lower Upper
104 100
78 49.2 38.1 57.1
103 56.1 44.6 67.0

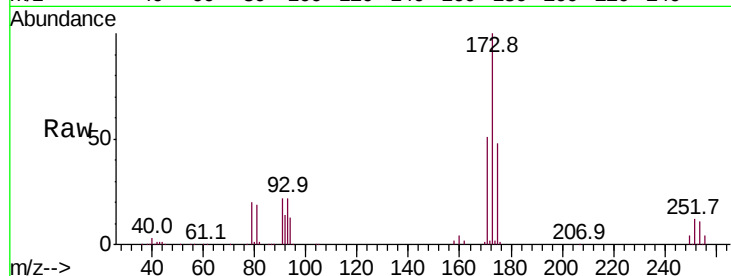




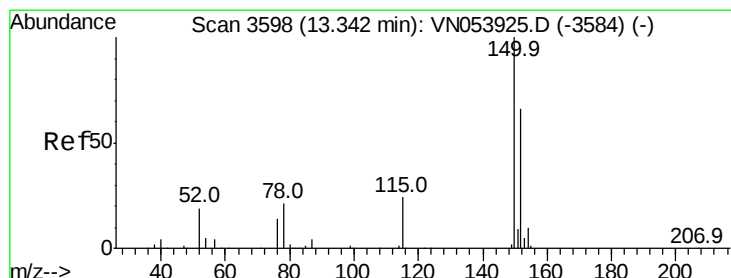
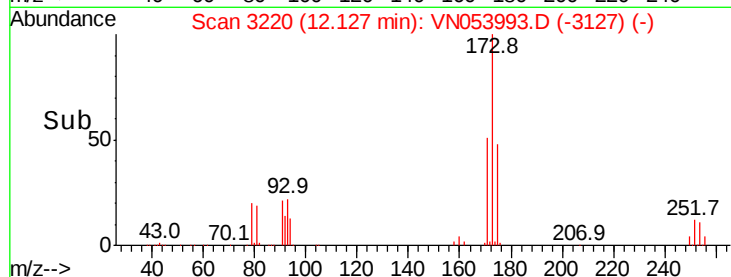
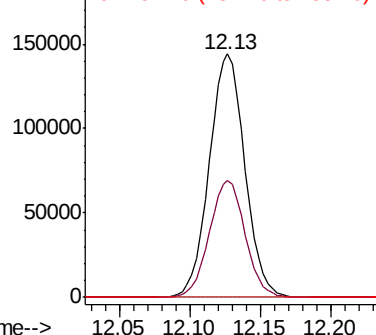
#71
Bromoform
Concen: 52.149 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 254242
Ion Ratio Lower Upper
173 100
175 48.3 24.3 72.8
254 0.1 0.2 0.2#

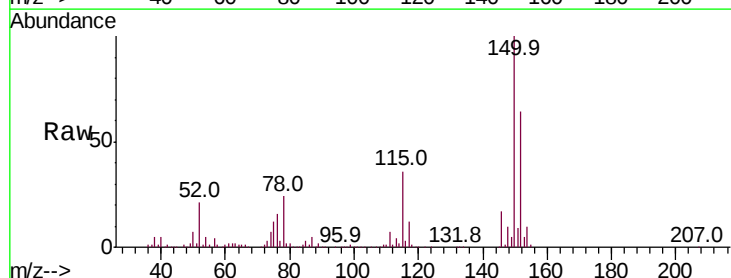


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

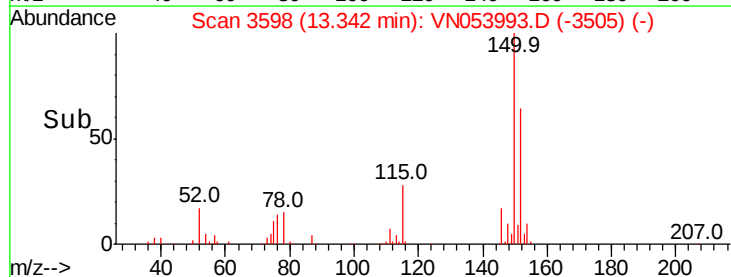
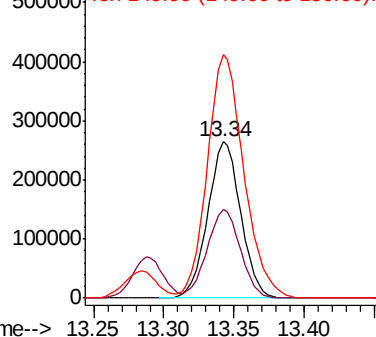


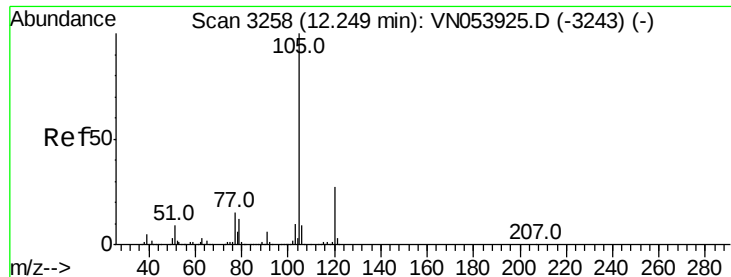
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion:152 Resp: 431211
Ion Ratio Lower Upper
152 100
115 57.2 27.2 81.6
150 173.0 0.0 348.2



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: 48.219 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

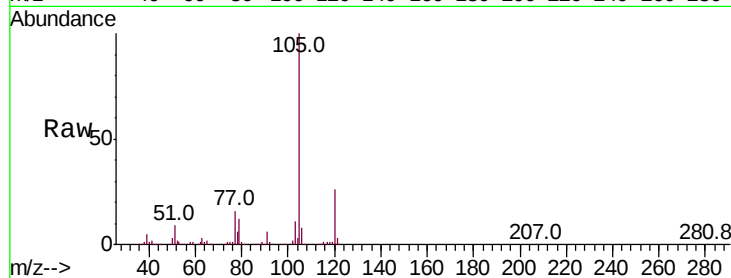
ClientSampled :

Tot Ion:105 Resp: 1618547

Ion Ratio Lower Upper

105 100

120 26.1 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

1000000

800000

600000

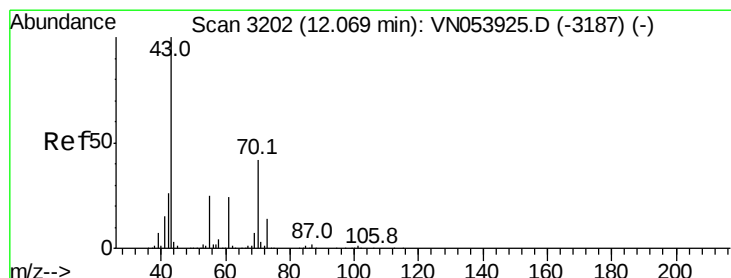
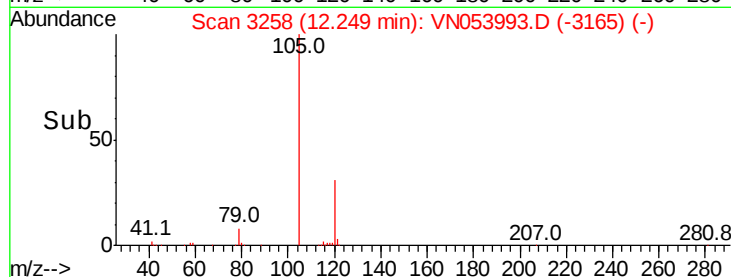
400000

200000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 52.139 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Tgt Ion: 43 Resp: 458706

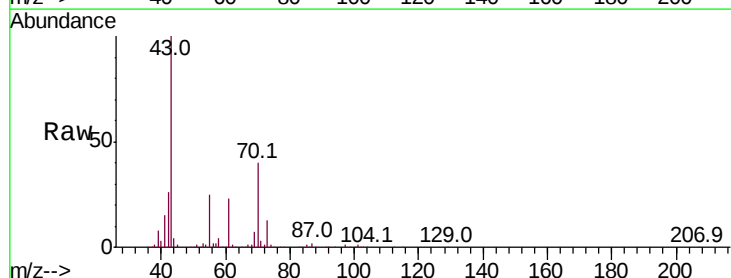
Ion Ratio Lower Upper

43 100

70 40.7 37.4 56.2

55 25.2 21.4 32.0

61 23.7 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.07

400000

300000

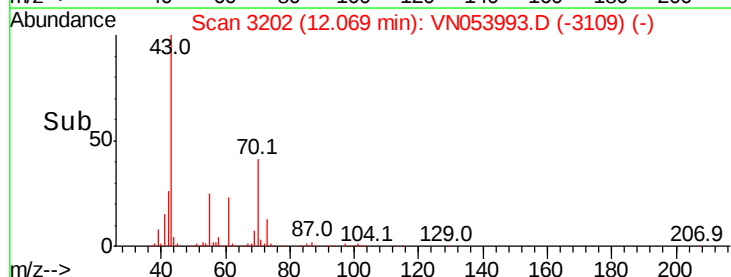
200000

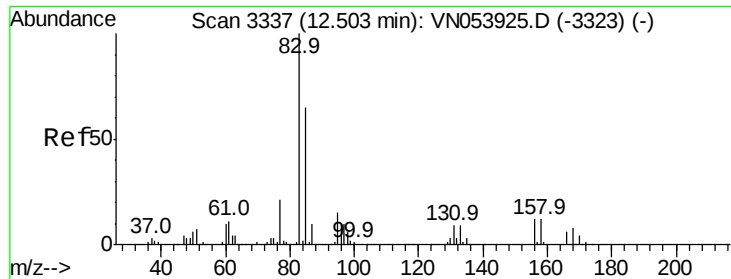
100000

0

Time-->

12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 47.614 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

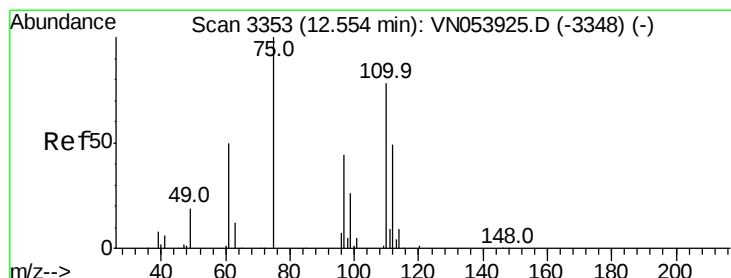
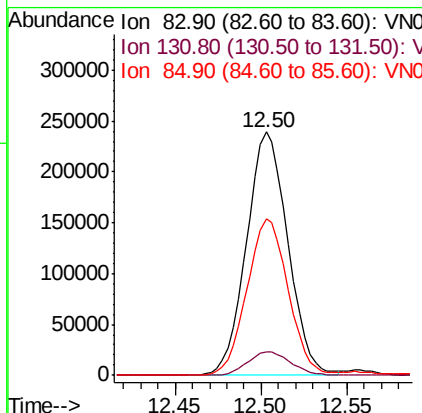
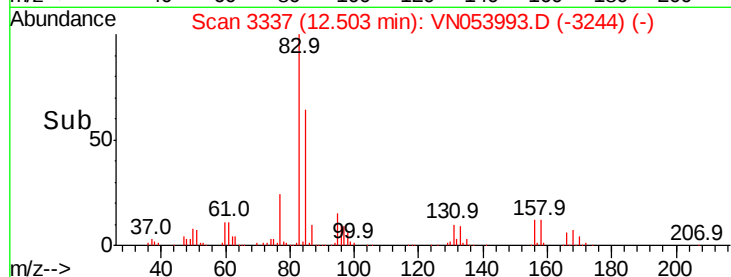
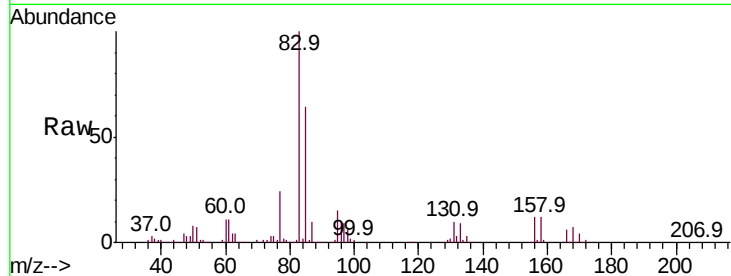
Tot Ion: 83 Resp: 399669

Ion Ratio Lower Upper

83 100

131 10.0 5.3 16.1

85 64.1 31.9 95.9



#76

1,2,3-Trichloropropane

Concen: 72.378 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053993.D

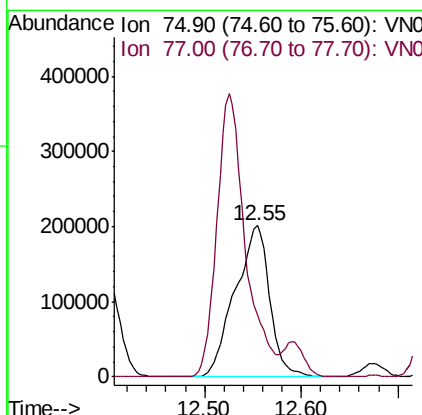
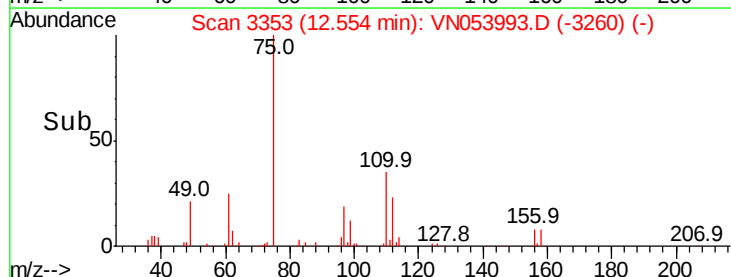
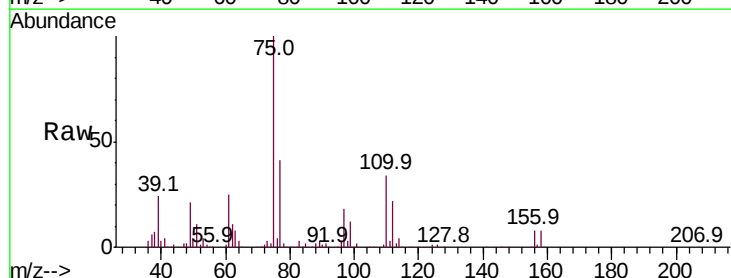
Acq: 28 Feb 2019 9:38

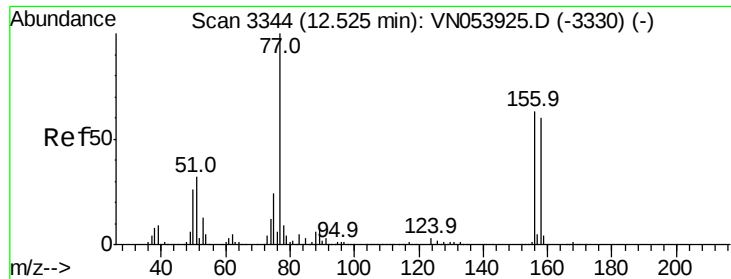
Tgt Ion: 75 Resp: 500663

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

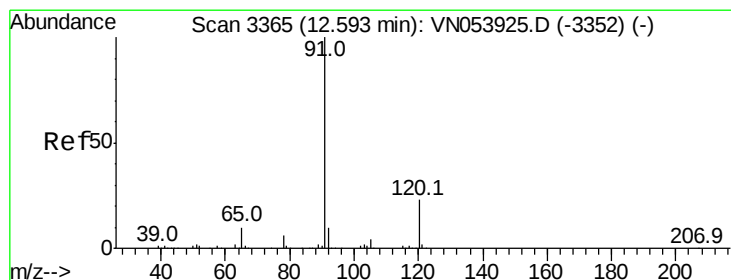
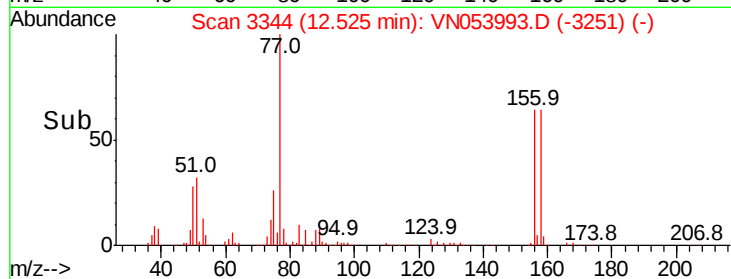
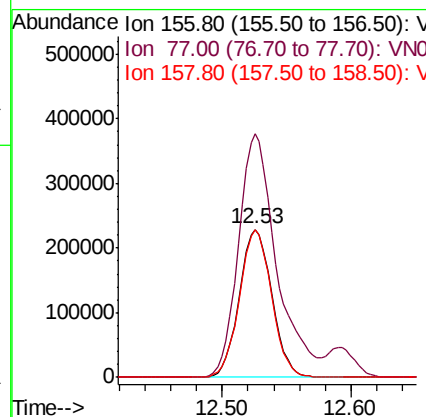
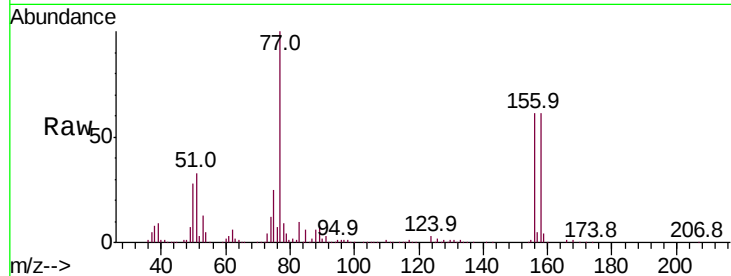




#77
Bromobenzene
Concen: 47.158 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

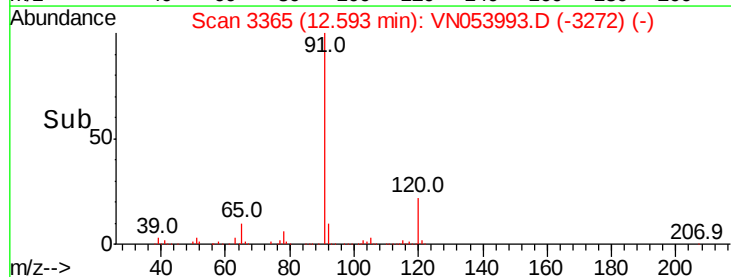
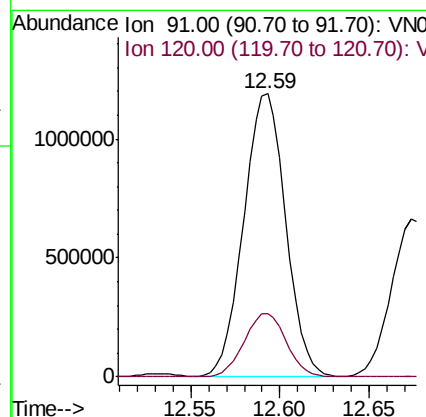
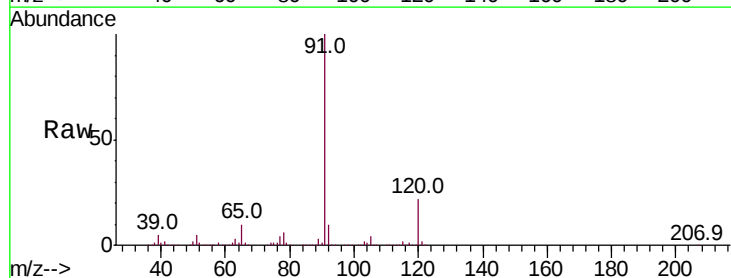
Instrument :
MSVOA_N
ClientSampled :

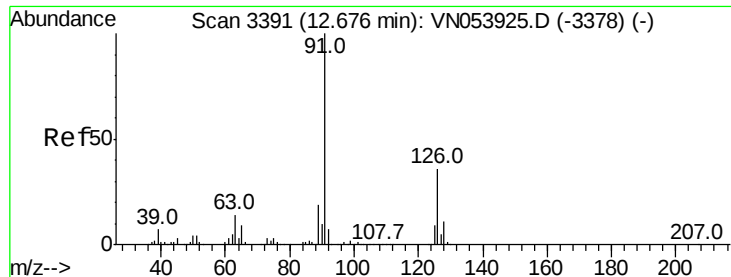
Tot Ion:156 Resp: 401901
Ion Ratio Lower Upper
156 100
77 192.5 84.0 252.2
158 98.4 48.5 145.6



#78
n-propylbenzene
Concen: 50.925 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 91 Resp: 1944024
Ion Ratio Lower Upper
91 100
120 22.5 11.9 35.9





#79

2-Chlorotoluene

Concen: 48.724 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

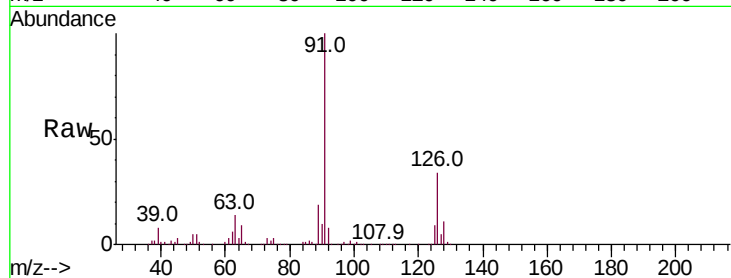
ClientSampled :

Tot Ion: 91 Resp: 1117351

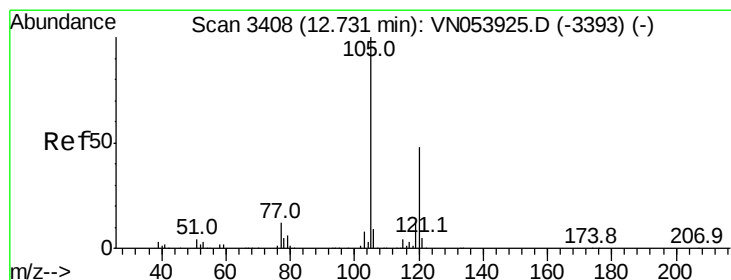
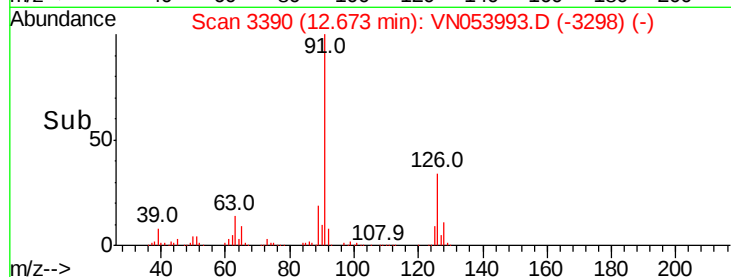
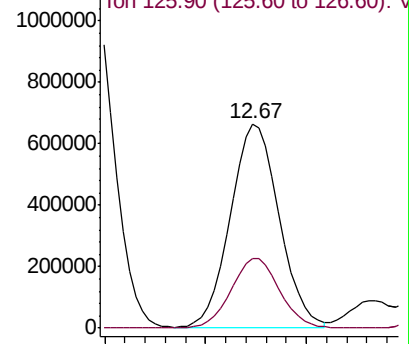
Ion Ratio Lower Upper

91 100

126 34.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.530 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053993.D

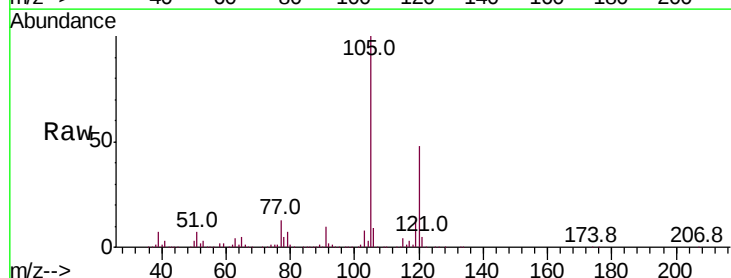
Acq: 28 Feb 2019 9:38

Tgt Ion:105 Resp: 1388577

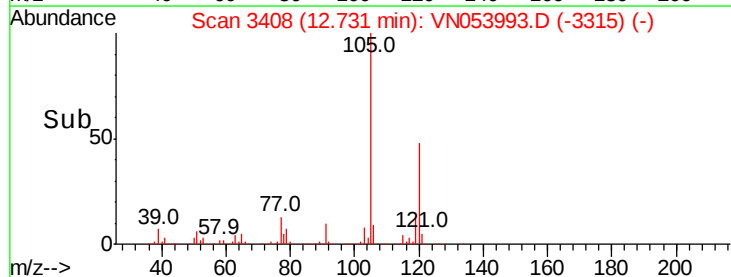
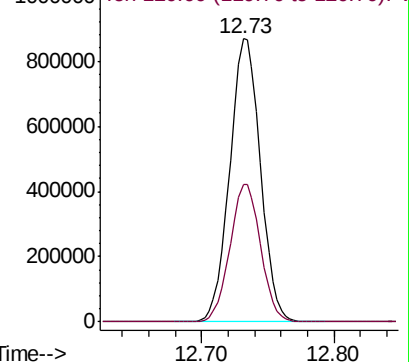
Ion Ratio Lower Upper

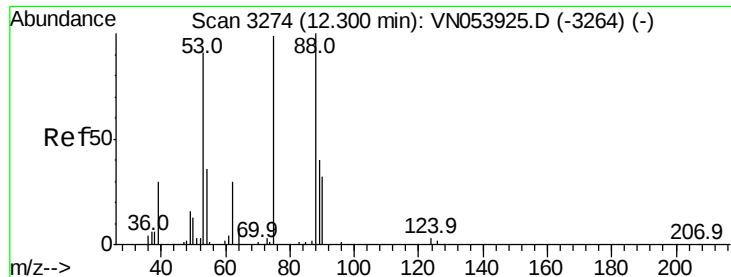
105 100

120 48.6 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053925.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.902 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

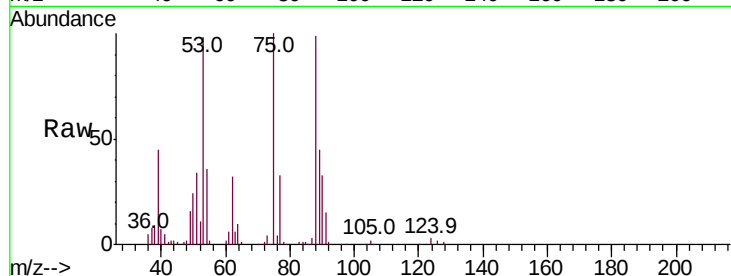
Tot Ion: 75 Resp: 111404

Ion Ratio Lower Upper

75 100

53 95.1 68.6 102.8

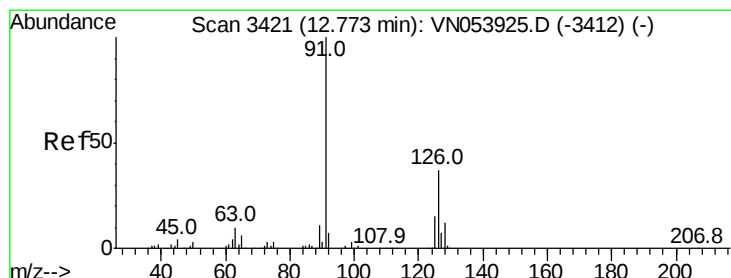
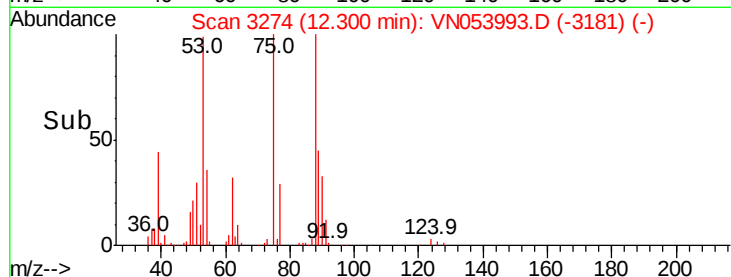
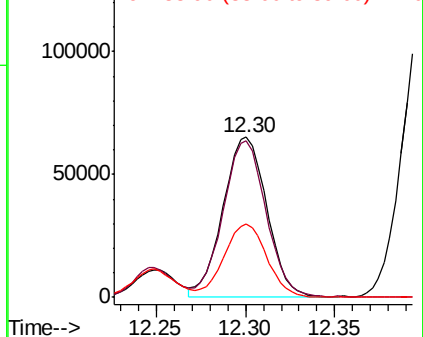
89 44.7 35.3 52.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 50.029 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053993.D

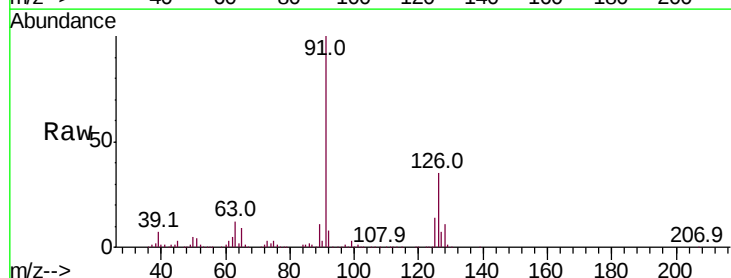
Acq: 28 Feb 2019 9:38

Tgt Ion: 91 Resp: 1133893

Ion Ratio Lower Upper

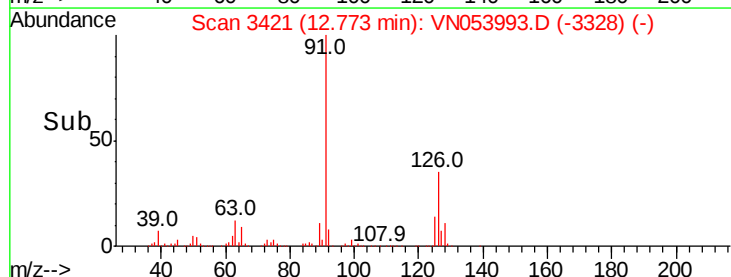
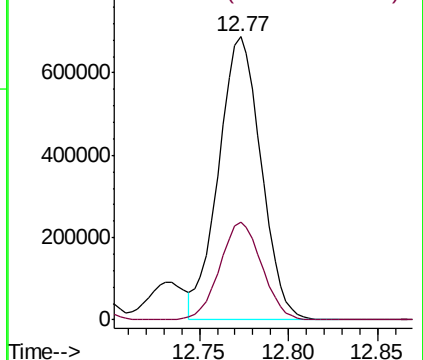
91 100

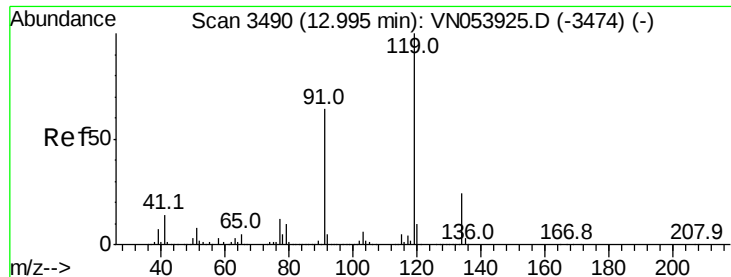
126 34.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

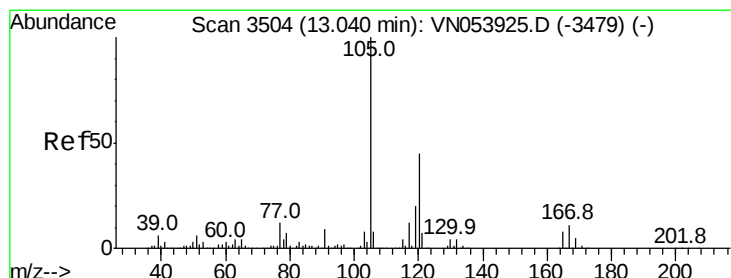
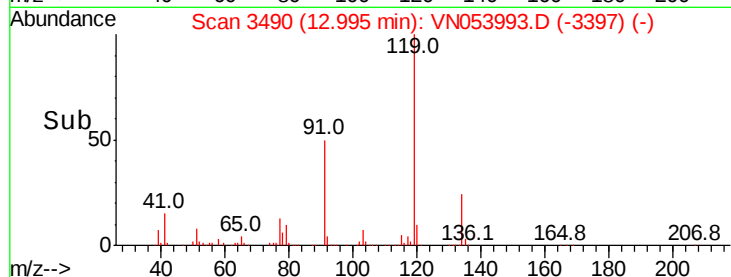
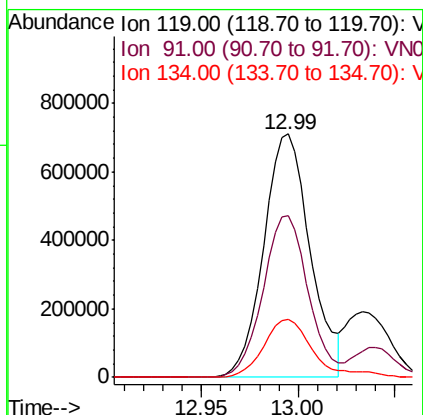
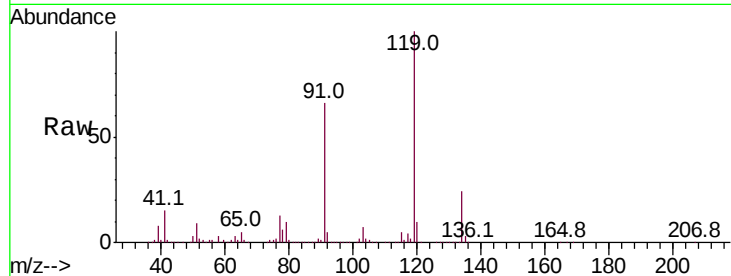




#83
 tert-Butylbenzene
 Concen: 49.107 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

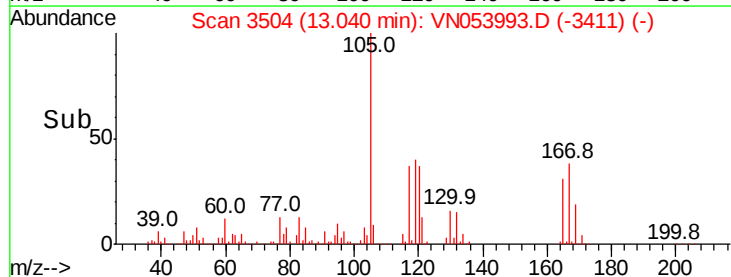
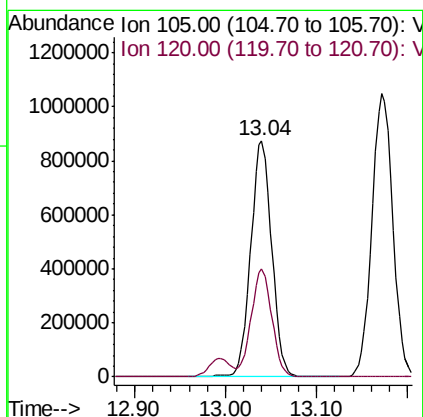
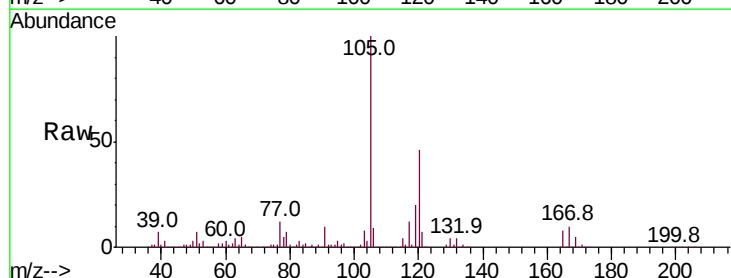
Instrument :
 MSVOA_N
 ClientSampled :

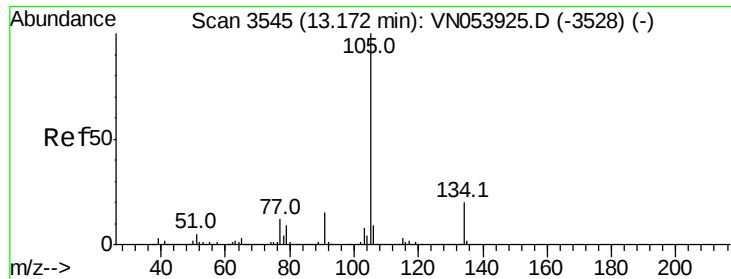
Tot Ion:119 Resp: 1193514
 Ion Ratio Lower Upper
 119 100
 91 64.3 30.6 91.8
 134 25.5 13.0 39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 51.026 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion:105 Resp: 1399873
 Ion Ratio Lower Upper
 105 100
 120 45.2 23.2 69.5

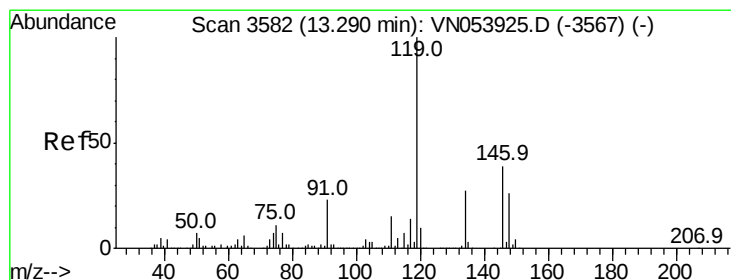
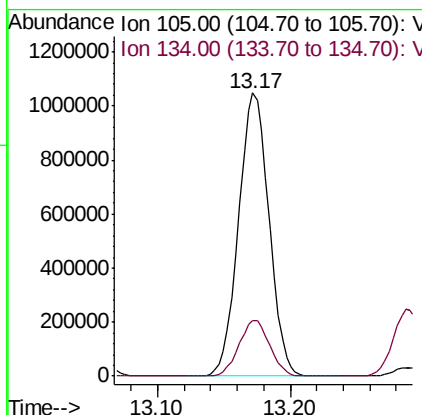
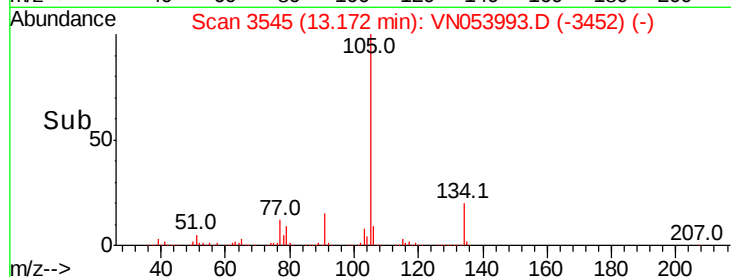
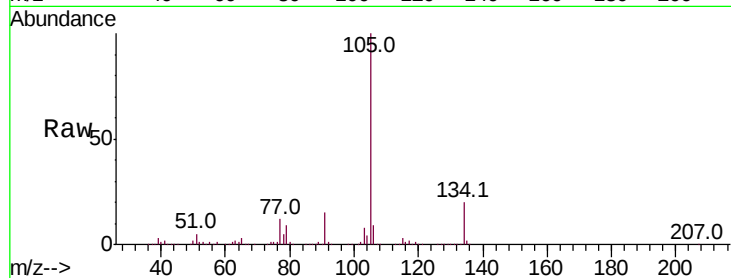




#85
 sec-Butylbenzene
 Concen: 50.249 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

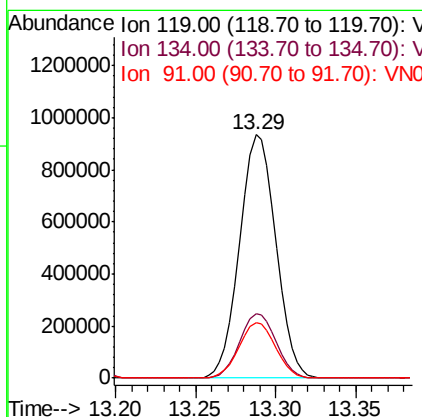
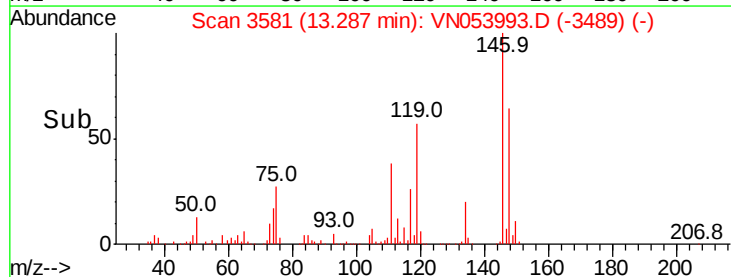
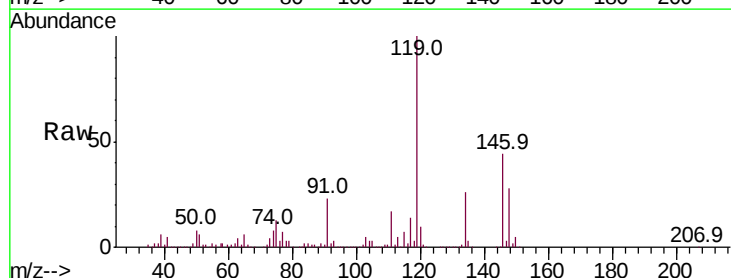
Instrument :
 MSVOA_N
 ClientSampleId :

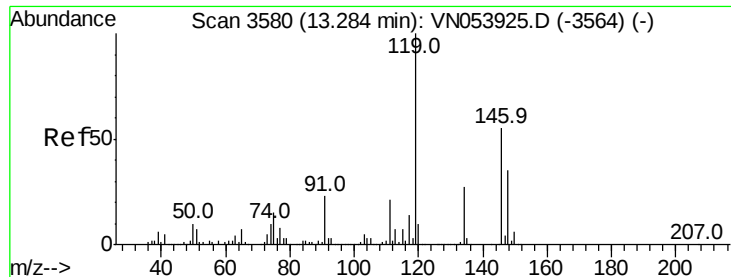
Tot Ion:105 Resp: 1668038
 Ion Ratio Lower Upper
 105 100
 134 19.9 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 51.291 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion:119 Resp: 1439386
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.5 40.4
 91 22.9 10.9 32.6

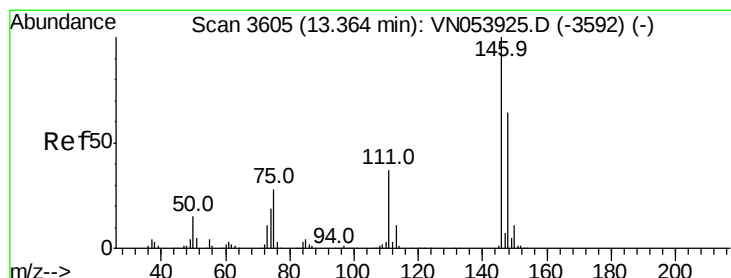
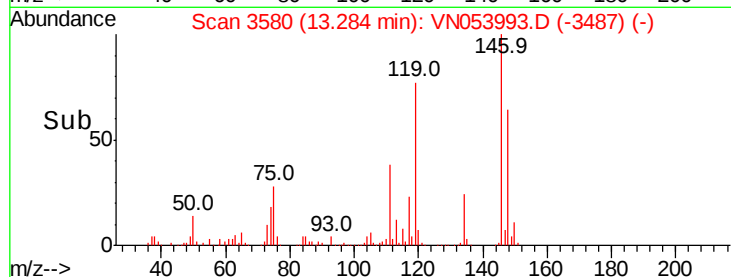
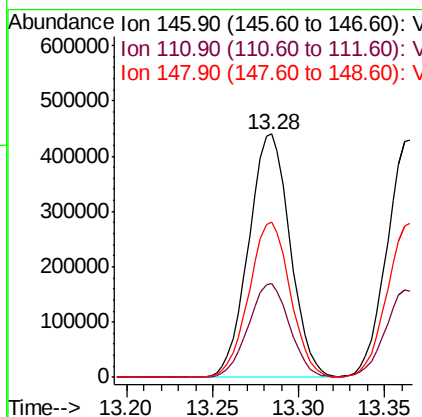
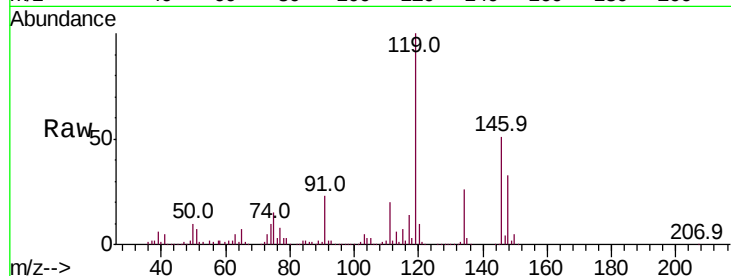




#87
 1,3-Dichlorobenzene
 Concen: 49.923 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

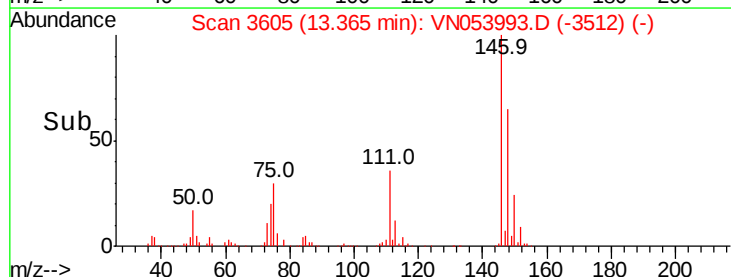
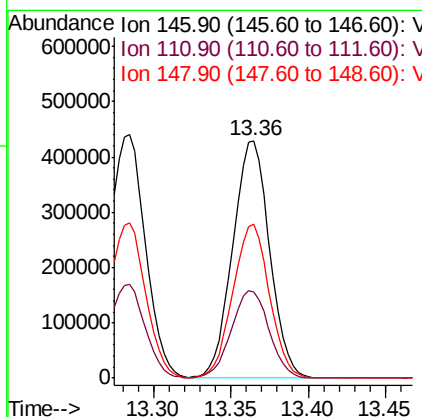
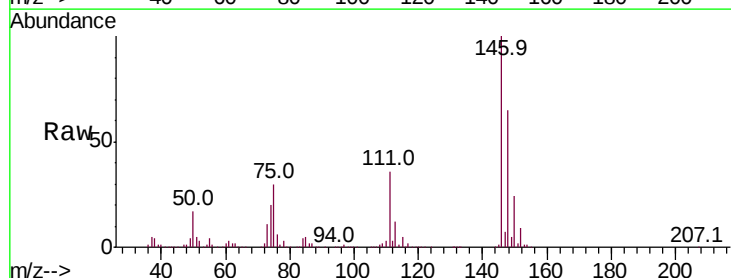
Instrument :
 MSVOA_N
 ClientSampleId :

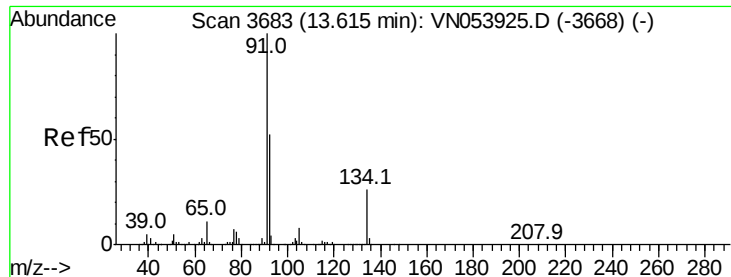
Tot Ion:146 Resp: 736010
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.7 56.1
 148 63.4 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 49.636 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion:146 Resp: 709957
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.0 54.0
 148 64.4 32.1 96.5

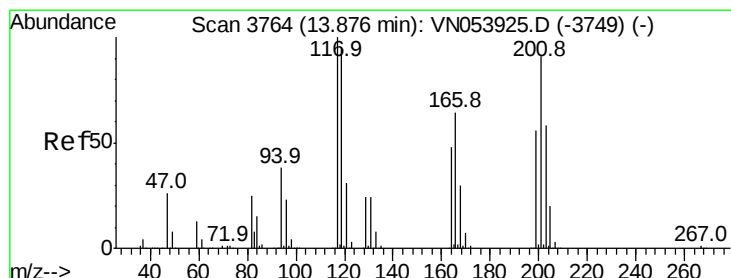
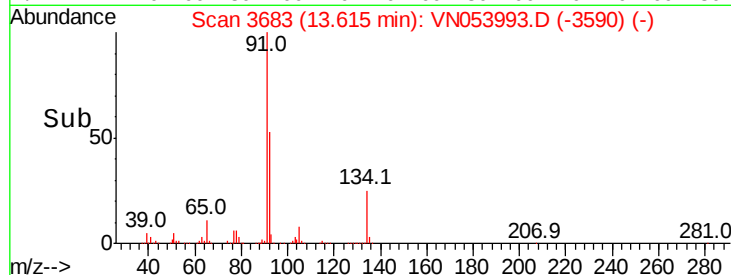
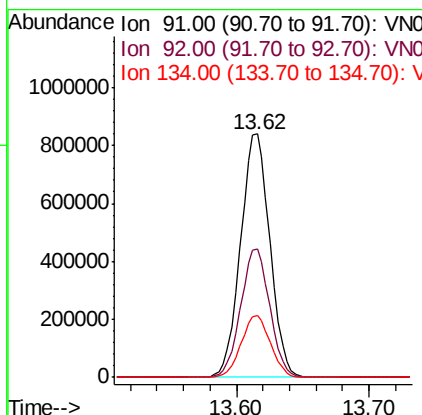
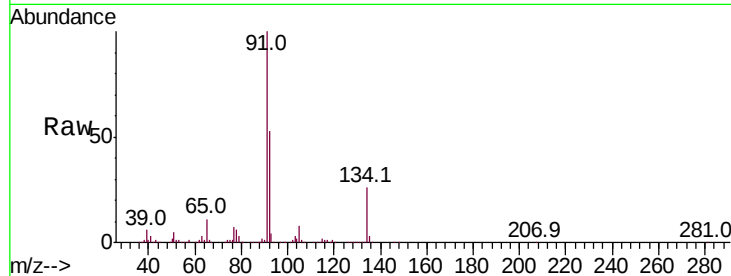




#89
n-Butylbenzene
Concen: 54.355 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

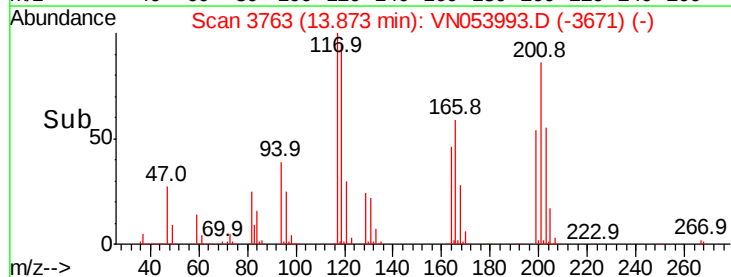
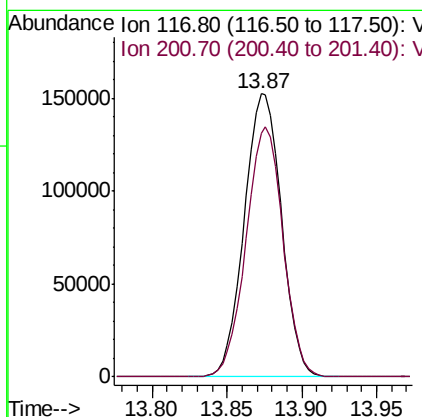
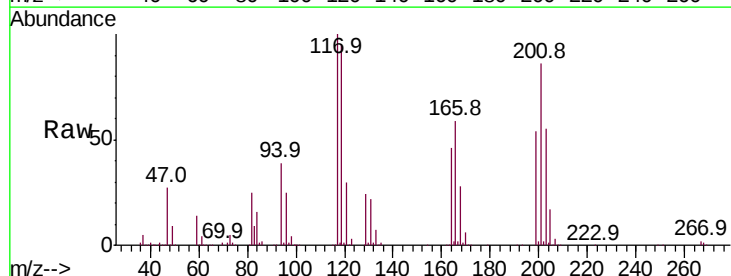
Instrument :
MSVOA_N
ClientSampled :

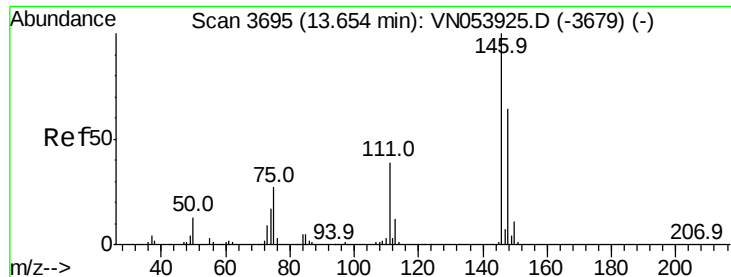
Tot Ion: 91 Resp: 128518
Ion Ratio Lower Upper
91 100
92 52.3 26.1 78.2
134 25.4 13.6 40.8



#90
Hexachloroethane
Concen: 48.609 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053993.D
Acq: 28 Feb 2019 9:38

Tgt Ion: 117 Resp: 264340
Ion Ratio Lower Upper
117 100
201 87.8 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 49.153 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampleId :

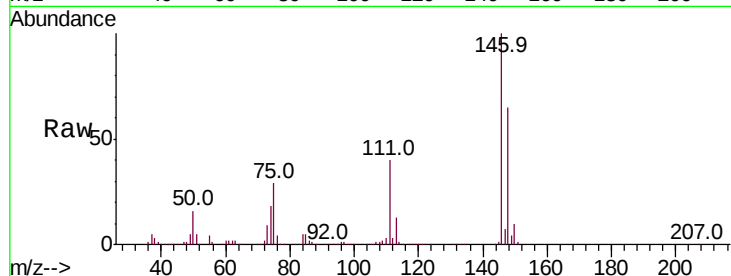
Tot Ion:146 Resp: 701481

Ion Ratio Lower Upper

146 100

111 39.7 19.1 57.5

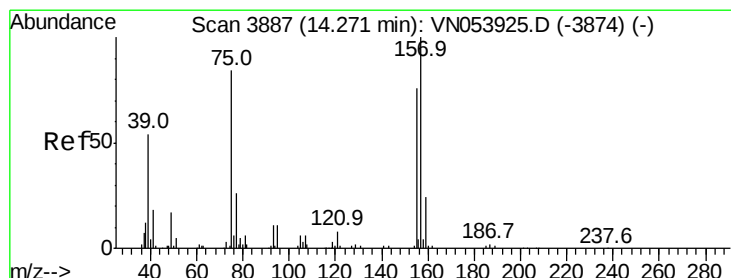
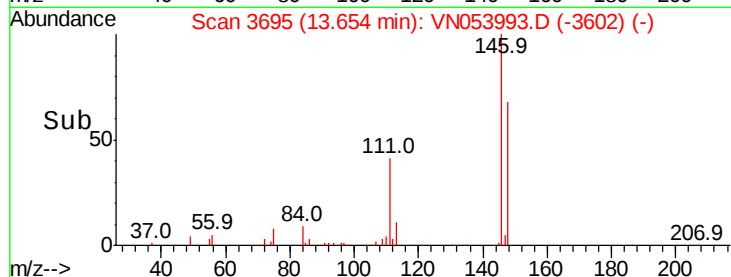
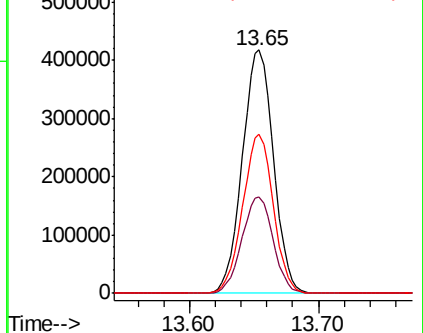
148 64.4 32.1 96.5



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: 50.103 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

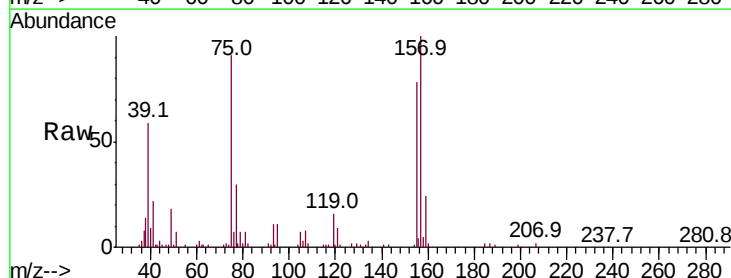
Tgt Ion: 75 Resp: 59433

Ion Ratio Lower Upper

75 100

155 87.4 49.5 148.5

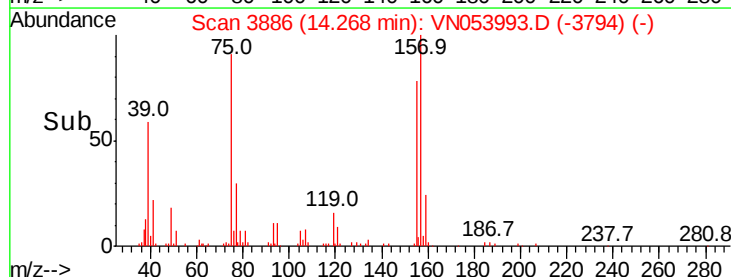
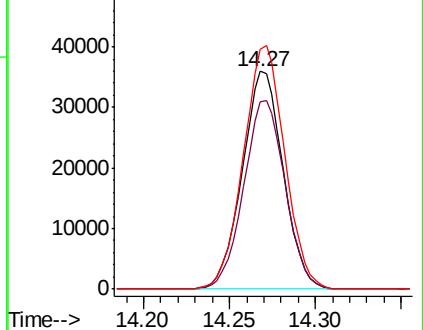
157 113.2 64.8 194.6

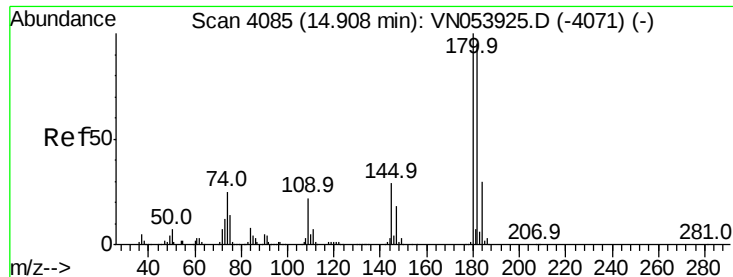


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

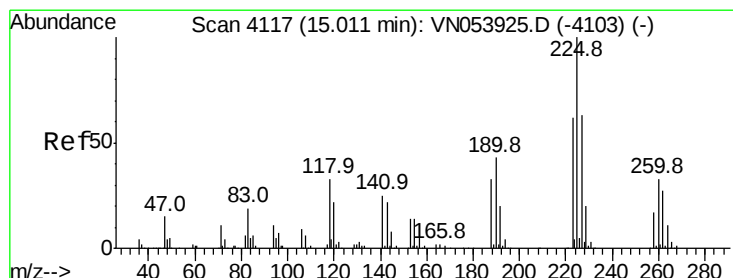
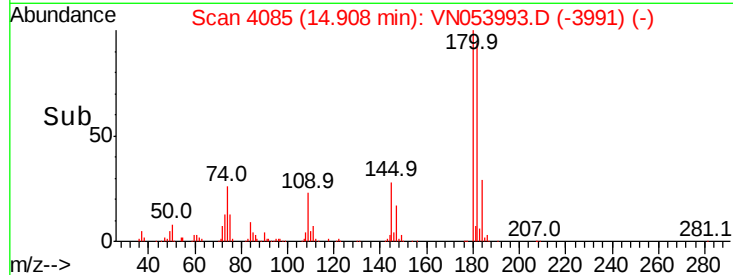
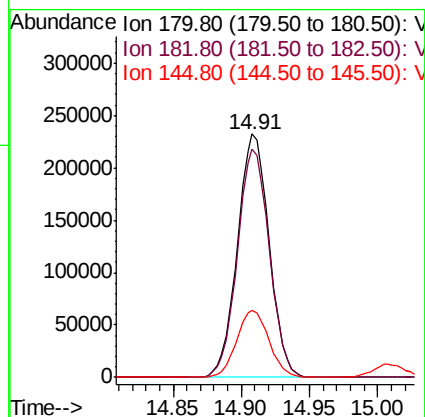
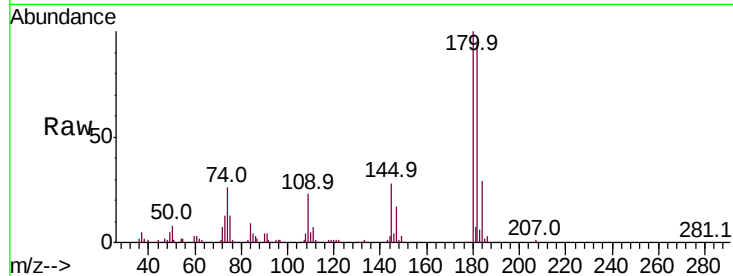




#93
 1,2,4-Trichlorobenzene
 Concen: 47.324 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

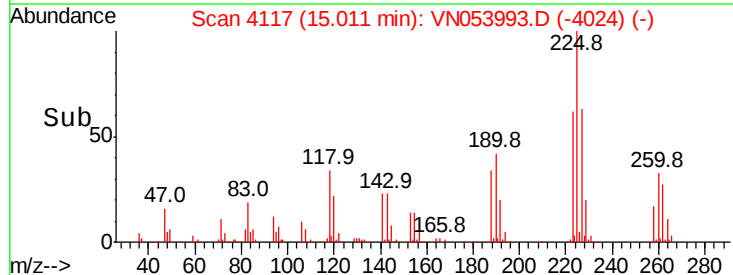
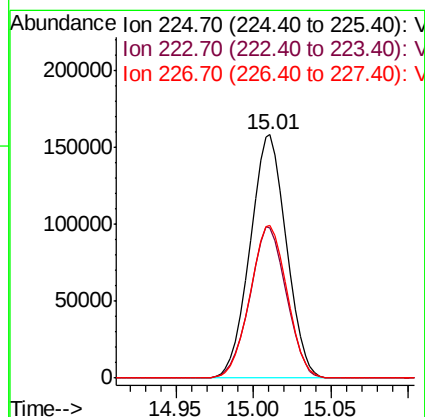
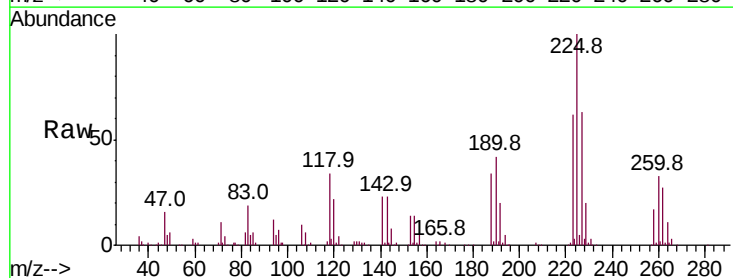
Instrument :
 MSVOA_N
 ClientSampleId :

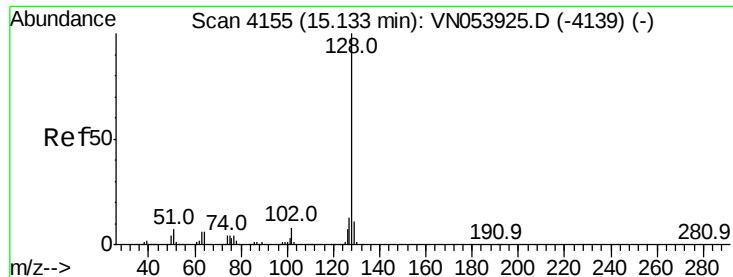
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.6	145.9
145	28.0	13.8	41.3



#94
 Hexachlorobutadiene
 Concen: 50.174 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053993.D
 Acq: 28 Feb 2019 9:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	30.9	92.5
227	63.9	32.5	97.4





#95

Naphthalene

Concen: 43.239 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

Instrument :

MSVOA_N

ClientSampled :

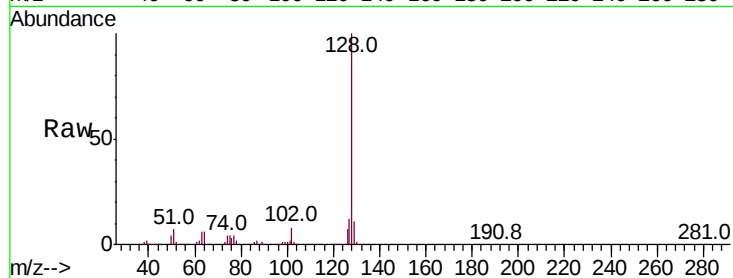
Tot Ion:128 Resp: 730324

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

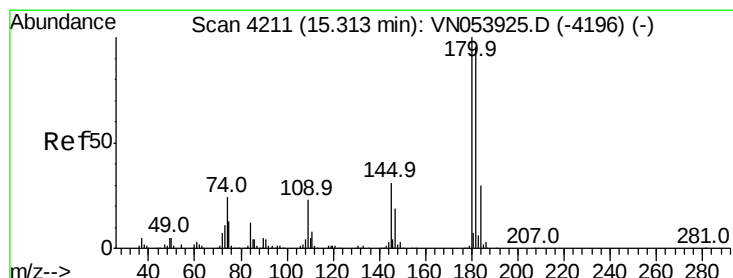
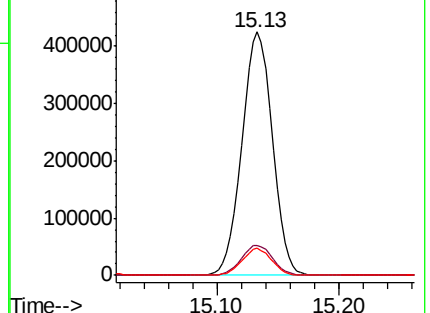
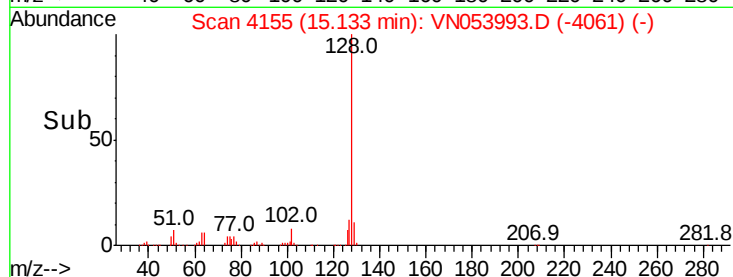
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.465 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053993.D

Acq: 28 Feb 2019 9:38

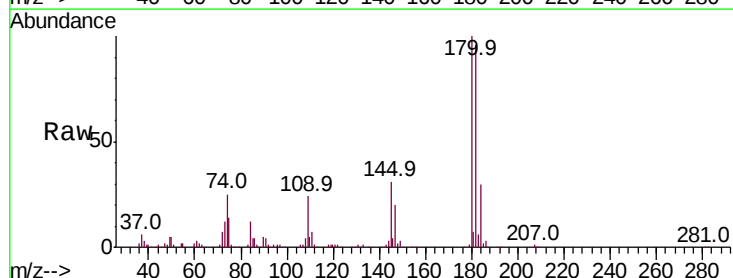
Tgt Ion:180 Resp: 360236

Ion Ratio Lower Upper

180 100

182 94.8 47.3 141.8

145 30.2 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

