

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053971.D
 Acq On : 27 Feb 2019 16:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 28 00:08:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	680625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1061785	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	938318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	445772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	361794	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	
35) Dibromofluoromethane	7.59	113	323290	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	10.09	98	1219394	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	419794	49.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	310213	49.524	ug/l	99
3) Chloromethane	2.06	50	424018	48.801	ug/l	100
4) Vinyl Chloride	2.19	62	418956	48.125	ug/l	100
5) Bromomethane	2.57	94	260313	45.150	ug/l	100
6) Chloroethane	2.71	64	253723	46.863	ug/l	99
7) Trichlorofluoromethane	3.02	101	535767	48.174	ug/l	98
8) Diethyl Ether	3.41	74	201850	48.443	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.76	101	345548	49.194	ug/l	95
10) Methyl Iodide	3.95	142	473447	51.296	ug/l	97
11) Tert butyl alcohol	4.77	59	114384	226.151	ug/l	99
12) 1,1-Dichloroethene	3.74	96	319182	47.506	ug/l	92
13) Acrolein	3.61	56	113401	216.555	ug/l	100
14) Allyl chloride	4.32	41	597640	50.715	ug/l	96
15) Acrylonitrile	4.98	53	661005	247.963	ug/l	99
16) Acetone	3.81	43	586045	278.891	ug/l	96
17) Carbon Disulfide	4.05	76	989776	45.664	ug/l	98
18) Methyl Acetate	4.32	43	273904	49.097	ug/l	94
19) Methyl tert-butyl Ether	5.04	73	893909	49.596	ug/l	98
20) Methylene Chloride	4.55	84	371669	47.068	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	350242	48.163	ug/l	92
22) Diisopropyl ether	5.95	45	1178007	51.816	ug/l	95
23) Vinyl Acetate	5.89	43	4216667	257.828	ug/l	95
24) 1,1-Dichloroethane	5.85	63	683604	49.034	ug/l	99
25) 2-Butanone	6.83	43	794079	253.478	ug/l	96
26) 2,2-Dichloropropane	6.82	77	505811	51.067	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	395328	48.882	ug/l	93
28) Bromochloromethane	7.19	49	312793	49.016	ug/l	81
29) Tetrahydrofuran	7.21	42	508737	243.860	ug/l	92
30) Chloroform	7.37	83	650765	48.139	ug/l	100
31) Cyclohexane	7.65	56	654395	51.301	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	544320	48.834	ug/l	97
36) 1,1-Dichloropropene	7.79	75	512143	51.867	ug/l	97
37) Ethyl Acetate	6.92	43	339737	48.186	ug/l	97
38) Carbon Tetrachloride	7.77	117	481868	46.922	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	636908	53.515	ug/l	95
40) Benzene	8.04	78	1534648	50.592	ug/l	99
41) Methacrylonitrile	7.17	41	187591	41.320	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	473949	50.467	ug/l	97
43) Isopropyl Acetate	8.16	43	588221	49.412	ug/l #	90
44) Trichloroethene	8.83	130	399250	49.646	ug/l	95
45) 1,2-Dichloropropane	9.12	63	416225	50.859	ug/l	99
46) Dibromomethane	9.21	93	235616	49.590	ug/l	92
47) Bromodichloromethane	9.40	83	505925	50.527	ug/l	99
48) Methyl methacrylate	9.20	41	284311	51.923	ug/l	93
49) 1,4-Dioxane	9.20	88	72991	984.187	ug/l #	90
51) 4-Methyl-2-Pentanone	9.98	43	1618161	264.524	ug/l	95
52) Toluene	10.15	92	921069	51.567	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	512056	52.559	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	600760	52.307	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	327773	49.137	ug/l	98
56) Ethyl methacrylate	10.43	69	418468	47.928	ug/l	90
57) 1,3-Dichloropropane	10.71	76	572981	50.837	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	983710	242.029	ug/l	95
59) 2-Hexanone	10.75	43	1063792	267.382	ug/l	94
60) Dibromochloromethane	10.90	129	367220	49.534	ug/l	99
61) 1,2-Dibromoethane	11.00	107	316525	49.189	ug/l	99
64) Tetrachloroethene	10.63	164	392675	49.421	ug/l	97
65) Chlorobenzene	11.43	112	982241	49.601	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	352847	49.439	ug/l	99
67) Ethyl Benzene	11.51	91	1725534	51.977	ug/l	98
68) m/p-Xylenes	11.62	106	1313316	104.816	ug/l	96
69) o-Xylene	11.95	106	629236	51.110	ug/l	97
70) Styrene	11.96	104	1037916	54.811	ug/l	99
71) Bromoform	12.13	173	244605	49.264	ug/l #	100
73) Isopropylbenzene	12.25	105	1669881	48.123	ug/l	99
74) N-amyl acetate	12.07	43	469455	51.618	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	393867	45.390	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	499178	69.806	ug/l #	100
77) Bromobenzene	12.53	156	414926	47.096	ug/l	90
78) n-propylbenzene	12.59	91	1998424	50.640	ug/l	97
79) 2-Chlorotoluene	12.67	91	1162297	49.029	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1444121	50.835	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	106102	46.896	ug/l	91
82) 4-Chlorotoluene	12.77	91	1182252	50.459	ug/l	97
83) tert-Butylbenzene	12.99	119	1221371	48.611	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1460079	51.482	ug/l	98
85) sec-Butylbenzene	13.17	105	1721752	50.173	ug/l	99
86) p-Isopropyltoluene	13.29	119	1491065	51.397	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	750803	49.263	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	743100	50.256	ug/l	99
89) n-Butylbenzene	13.61	91	1349876	55.212	ug/l	99
90) Hexachloroethane	13.87	117	261210	46.465	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	723942	49.070	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57960	47.266	ug/l	88

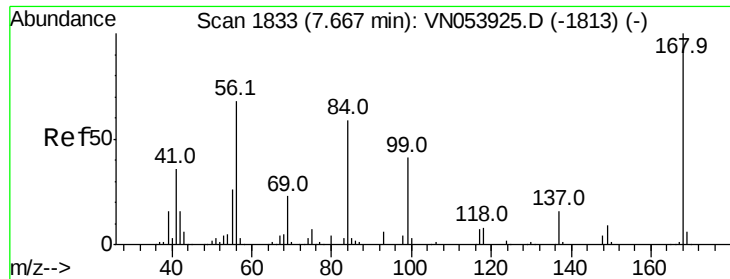
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Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	393543	48.119	ug/l	98
94) Hexachlorobutadiene	15.01	225	264600	49.650	ug/l	99
95) Naphthalene	15.13	128	775046	44.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	376648	47.989	ug/l	98

(#) = 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: VN053971.D

Acq: 27 Feb 2019 16:12

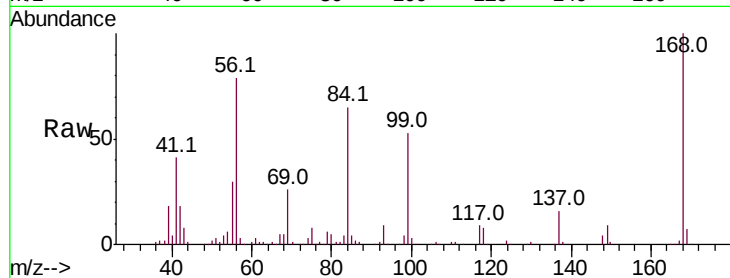
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 680625

Ion Ratio Lower Upper

168 100

99 52.6 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

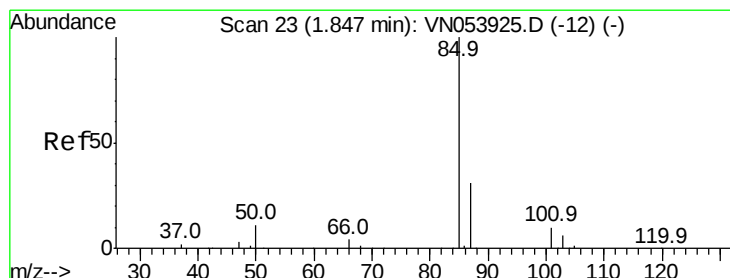
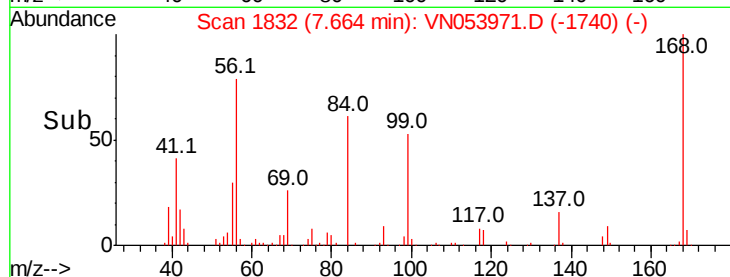
100000

50000

0

Time-->

7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 49.524 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053971.D

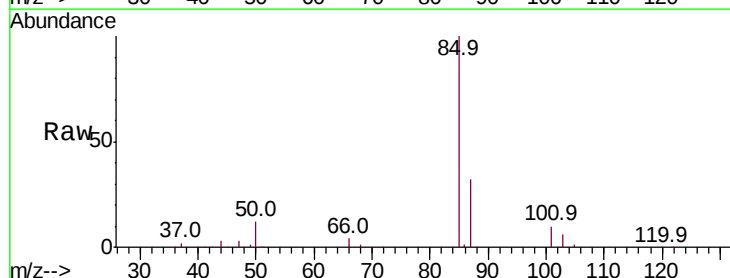
Acq: 27 Feb 2019 16:12

Tgt Ion: 85 Resp: 310213

Ion Ratio Lower Upper

85 100

87 32.0 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

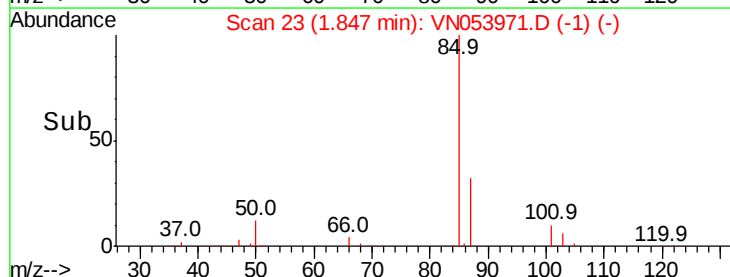
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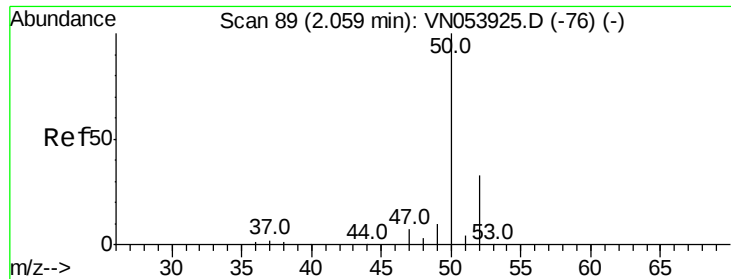
50000

0

Time-->

1.80 1.90 2.00





#3

Chloromethane

Concen: 48.801 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

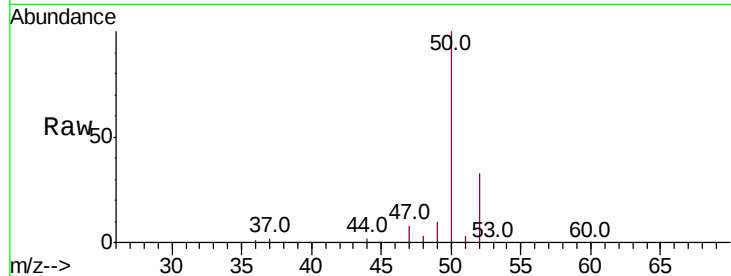
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 424018

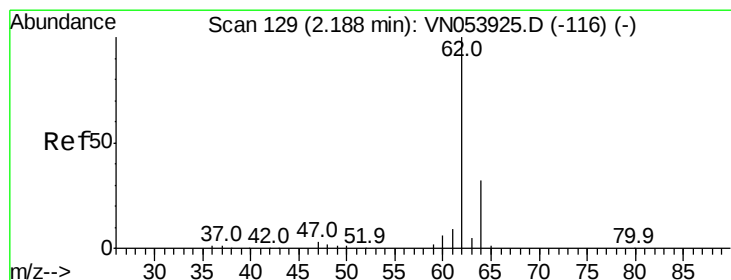
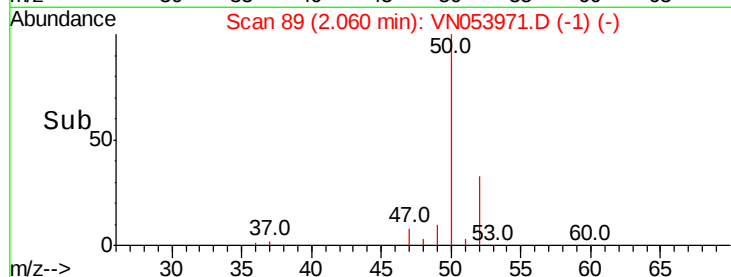
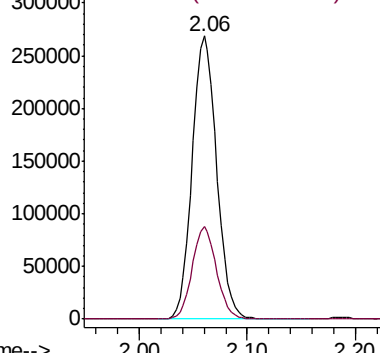
Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



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



#4

Vinyl Chloride

Concen: 48.125 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053971.D

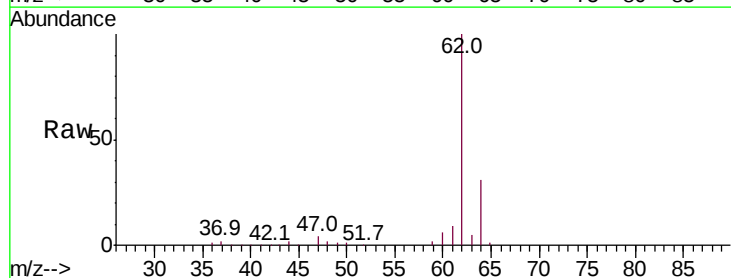
Acq: 27 Feb 2019 16:12

Tgt Ion: 62 Resp: 418956

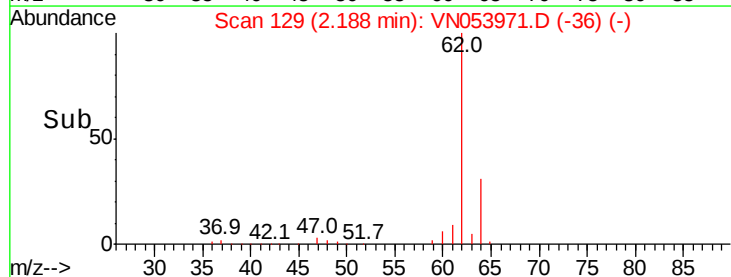
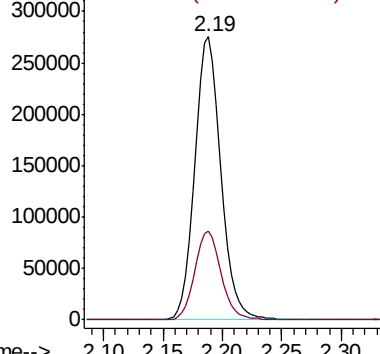
Ion Ratio Lower Upper

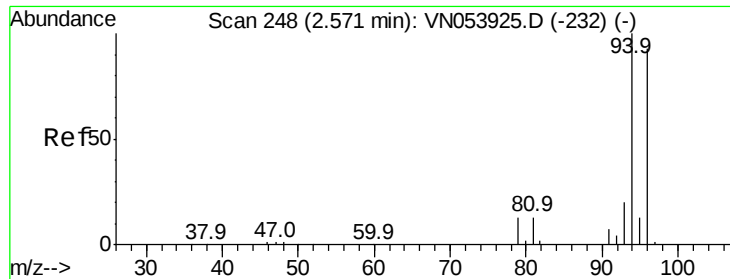
62 100

64 31.3 25.1 37.7



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

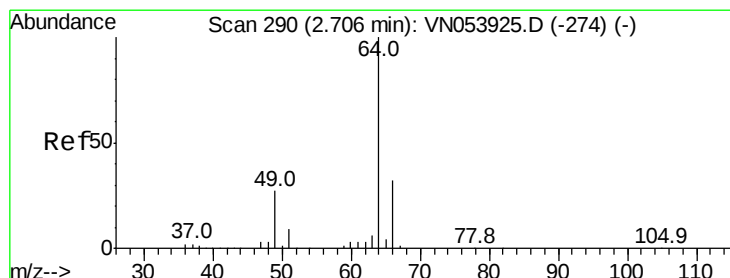
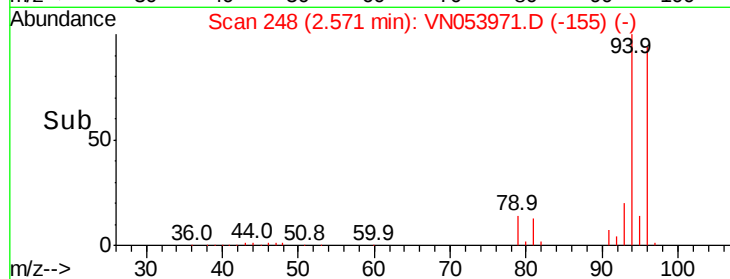
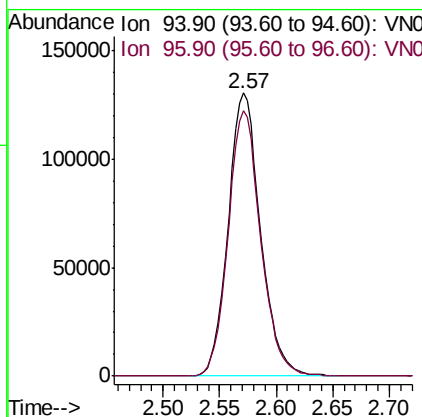
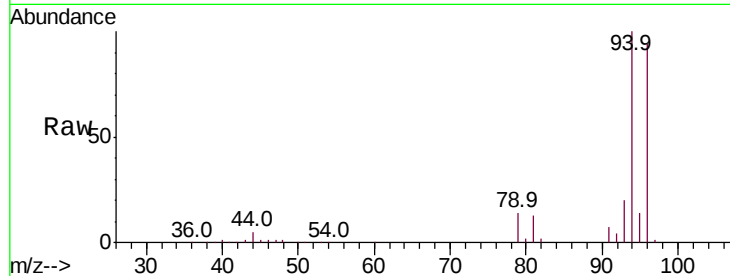




#5
Bromomethane
Concen: 45.150 ug/l
RT: 2.57 min Scan# 248
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

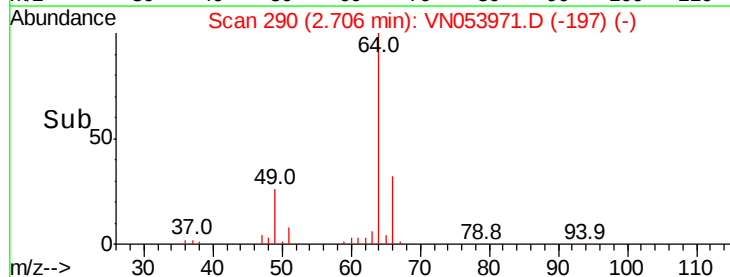
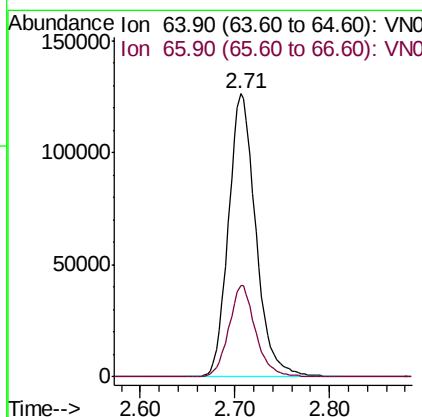
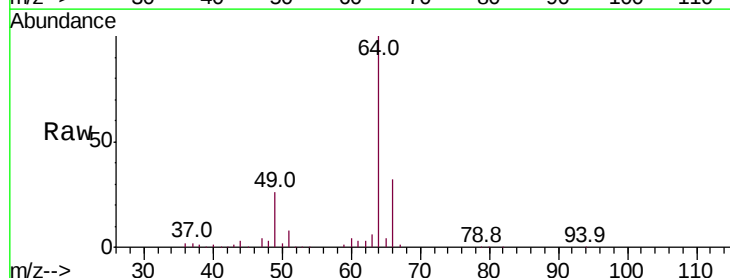
Instrument :
MSVOA_N
ClientSampled :

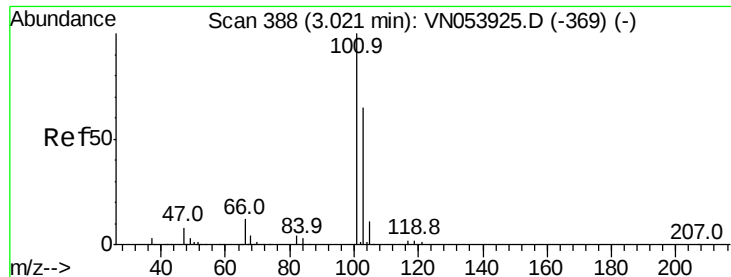
Tot Ion: 94 Resp: 260313
Ion Ratio Lower Upper
94 100
96 94.0 74.9 112.3



#6
Chloroethane
Concen: 46.863 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion: 64 Resp: 253723
Ion Ratio Lower Upper
64 100
66 32.3 25.5 38.3



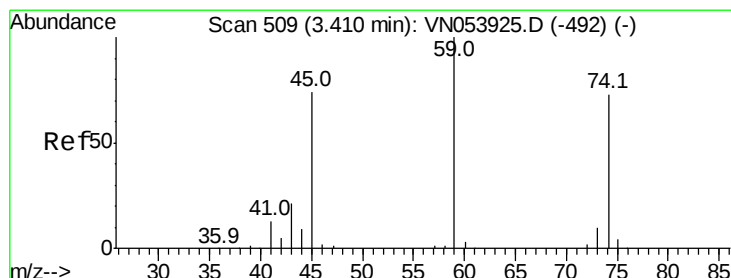
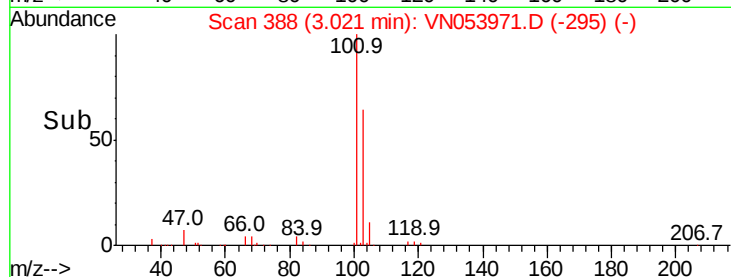
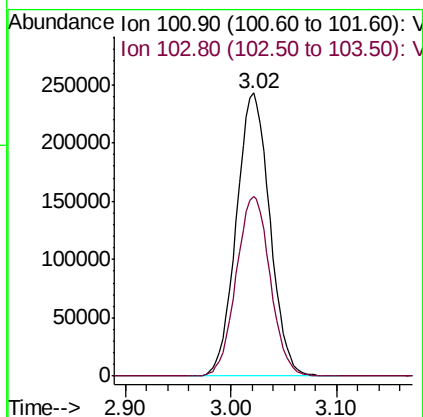
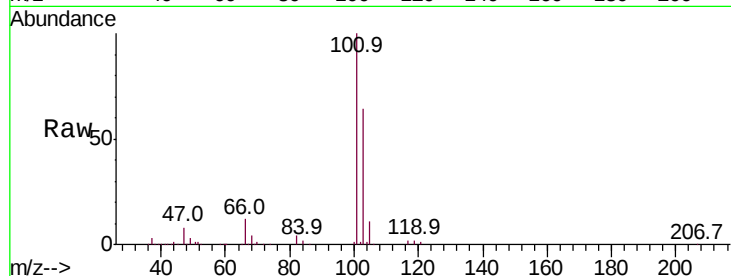


#7

Trichlorofluoromethane
 Concen: 48.174 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :

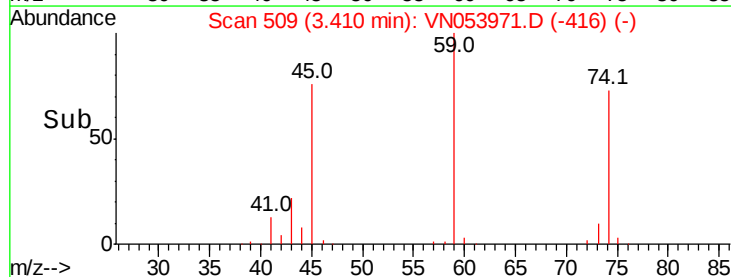
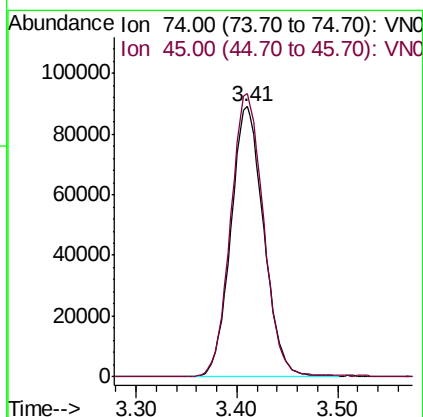
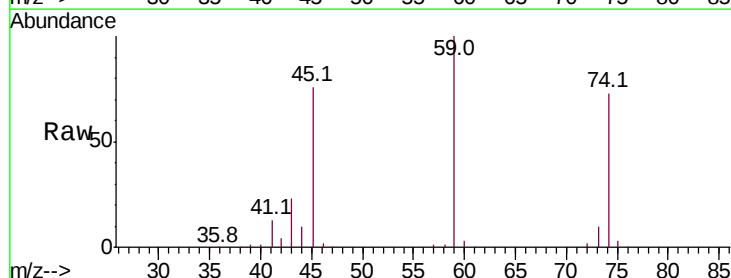
Tot Ion:101 Resp: 535767
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.9 77.9

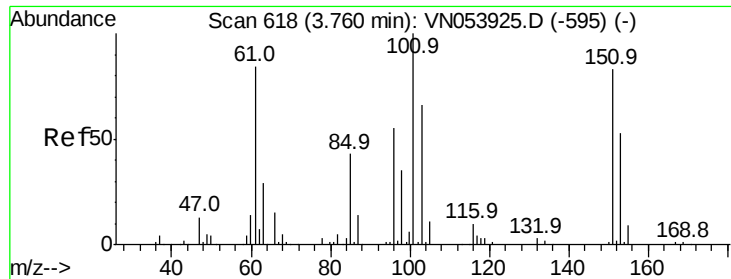


#8

Diethyl Ether
 Concen: 48.443 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Tgt Ion: 74 Resp: 201850
 Ion Ratio Lower Upper
 74 100
 45 103.8 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.194 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

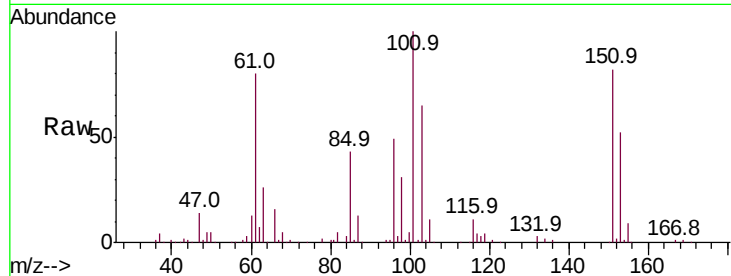
Tot Ion:101 Resp: 345548

Ion Ratio Lower Upper

101 100

85 42.5 32.5 48.7

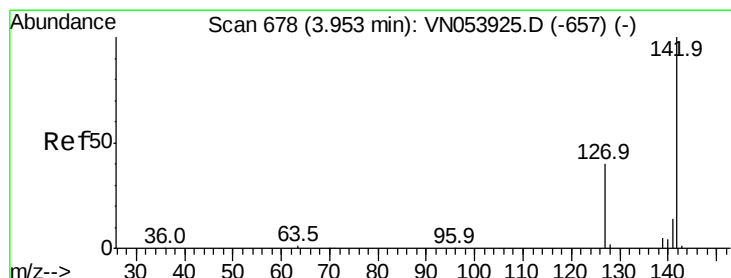
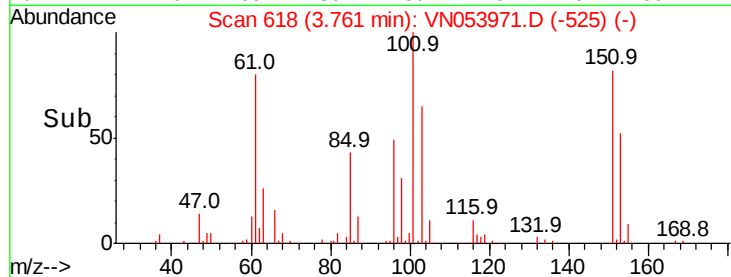
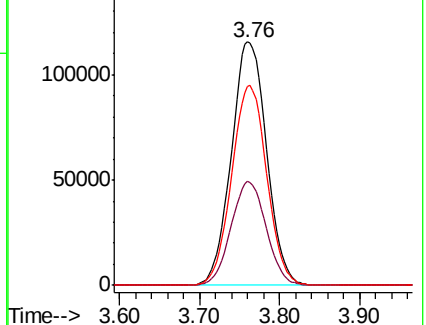
151 81.7 70.2 105.2



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: 51.296 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

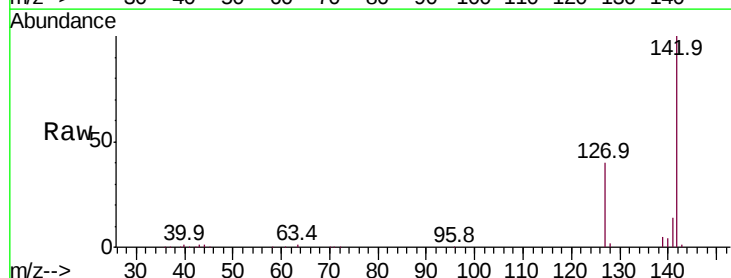
Tgt Ion:142 Resp: 473447

Ion Ratio Lower Upper

142 100

127 40.8 31.0 46.4

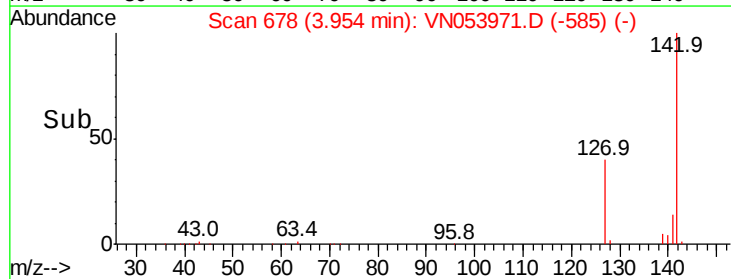
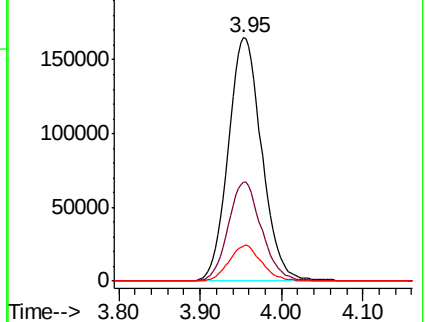
141 14.4 11.3 16.9

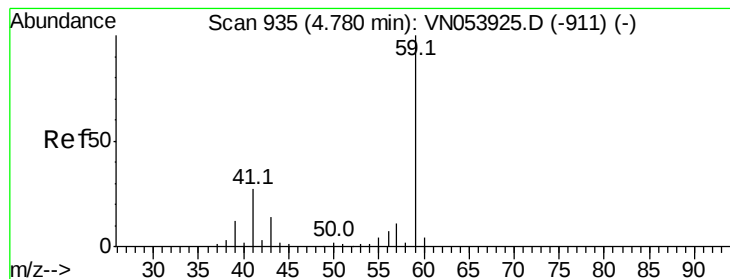


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



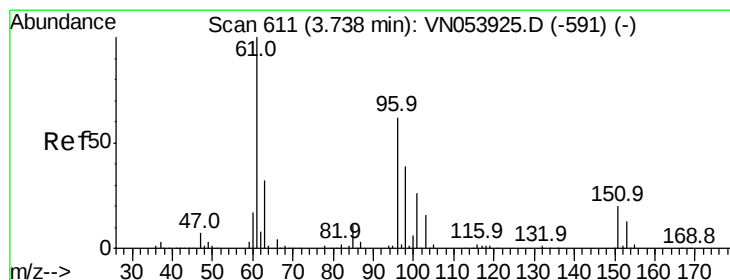
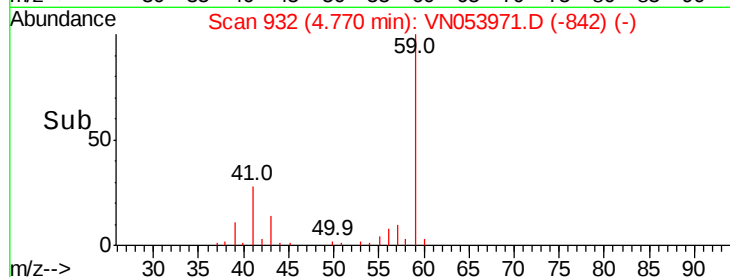
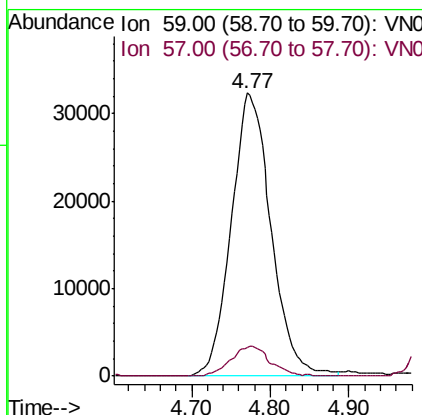
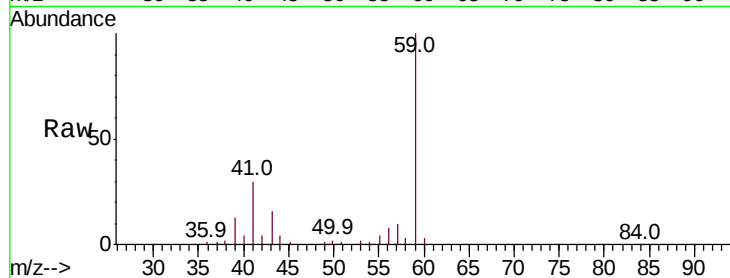


#11

Tert butyl alcohol
 Concen: 226.151 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :

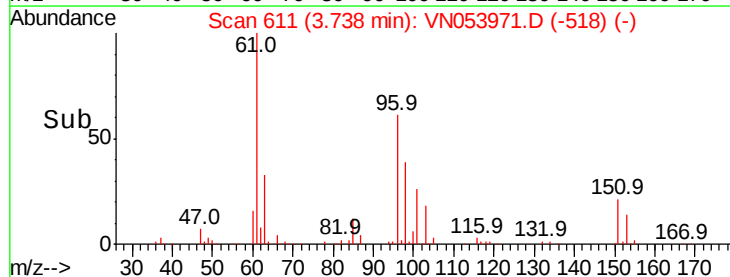
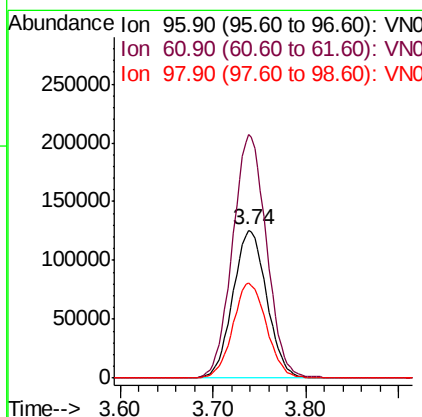
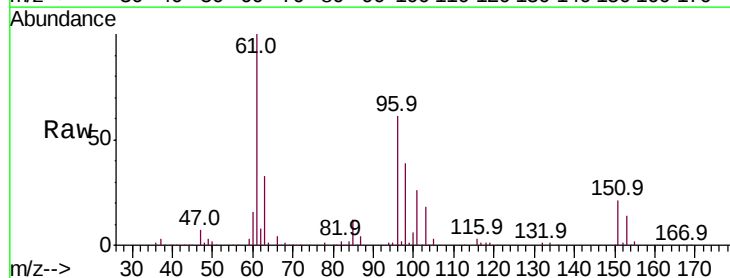
Tot Ion: 59 Resp: 114384
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.1 12.1

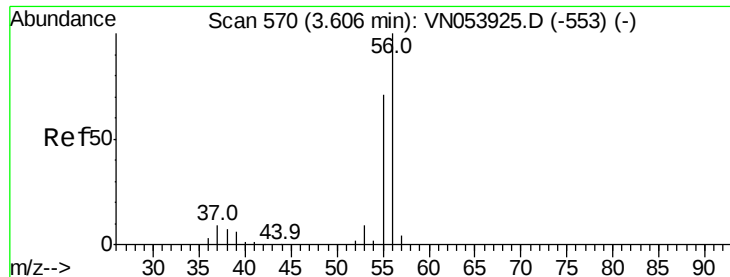


#12

1,1-Dichloroethene
 Concen: 47.506 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Tgt Ion: 96 Resp: 319182
 Ion Ratio Lower Upper
 96 100
 61 164.9 121.0 181.4
 98 64.7 52.2 78.2





#13

Acrolein

Concen: 216.555 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

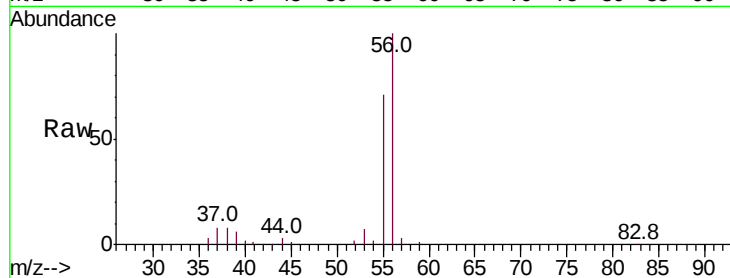
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 113401

Ion Ratio Lower Upper

56 100

55 70.1 56.3 84.5

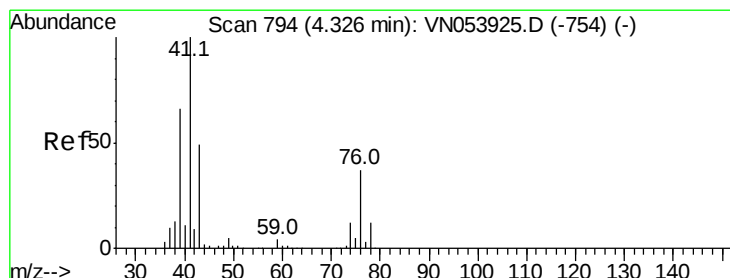
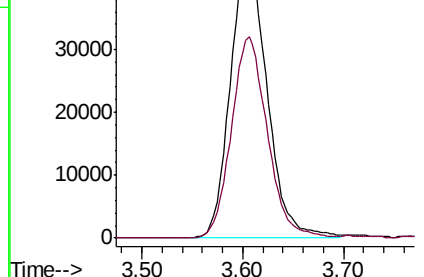
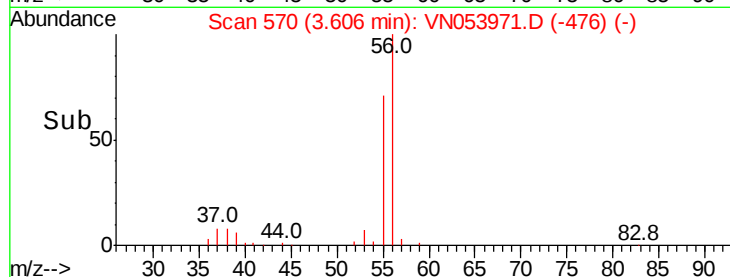


Abundance Ion 56.00 (55.70 to 56.70): VN053971.D (-476) (-)

Ion 55.00 (54.70 to 55.70): VN053971.D (-476) (-)

3.61

Time-->



#14

Allyl chloride

Concen: 50.715 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

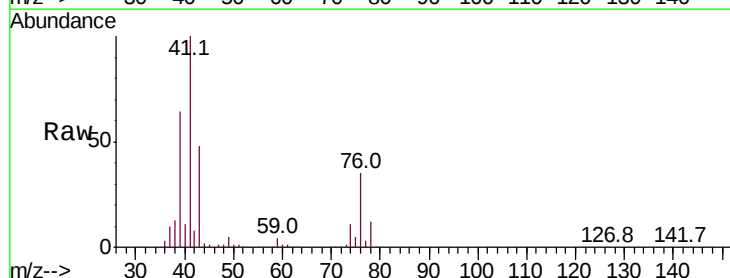
Tgt Ion: 41 Resp: 597640

Ion Ratio Lower Upper

41 100

39 62.0 48.8 73.2

76 33.1 30.9 46.3



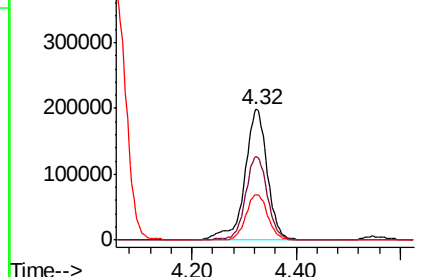
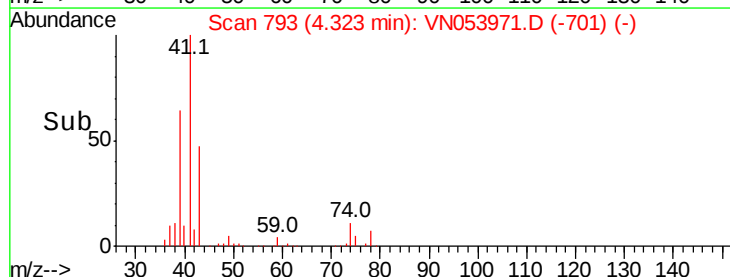
Abundance Ion 41.00 (40.70 to 41.70): VN053971.D (-701) (-)

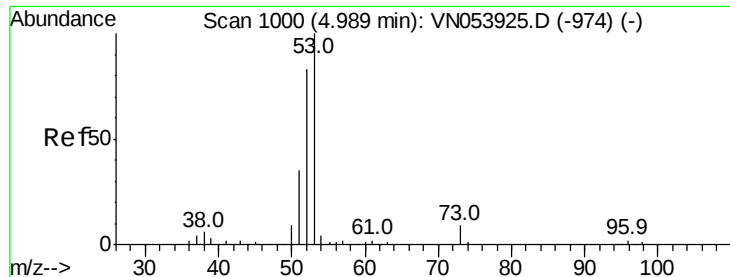
Ion 39.00 (38.70 to 39.70): VN053971.D (-701) (-)

Ion 75.90 (75.60 to 76.60): VN053971.D (-701) (-)

4.32

Time-->





#15

Acrylonitrile

Concen: 247.963 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

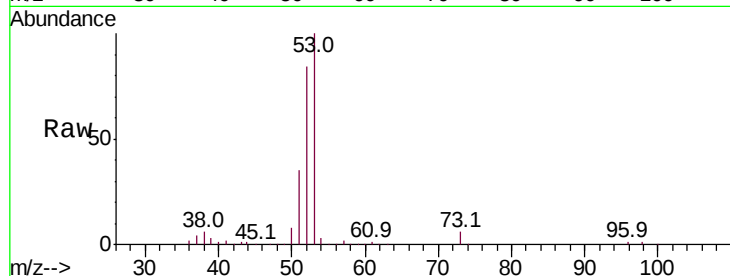
Tot Ion: 53 Resp: 661005

Ion Ratio Lower Upper

53 100

52 82.0 65.1 97.7

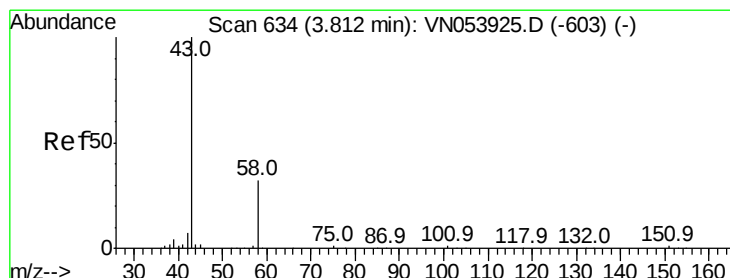
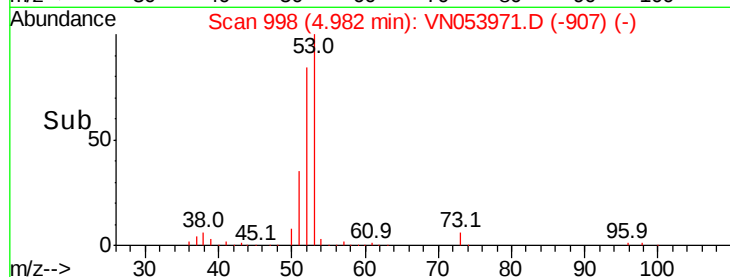
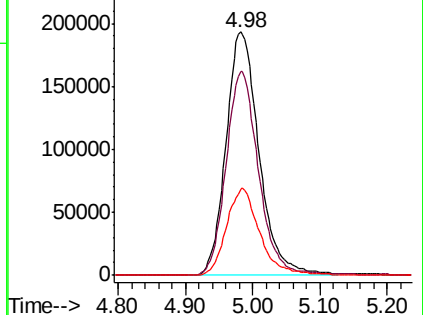
51 36.0 28.2 42.4



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: 278.891 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN053971.D

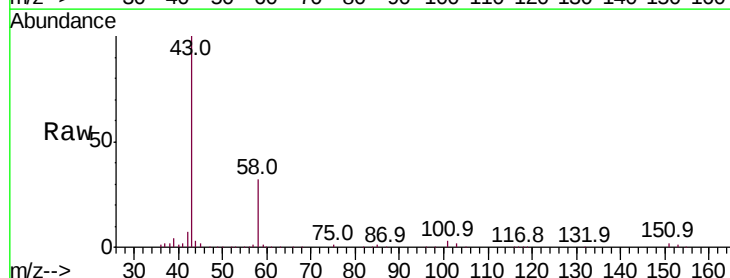
Acq: 27 Feb 2019 16:12

Tgt Ion: 43 Resp: 586045

Ion Ratio Lower Upper

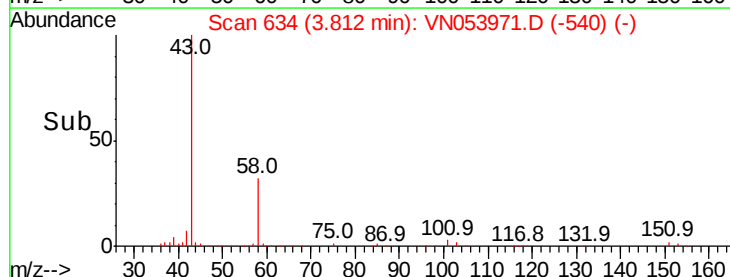
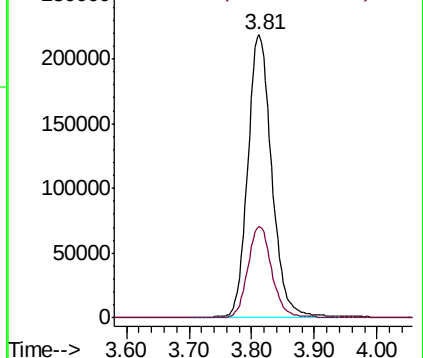
43 100

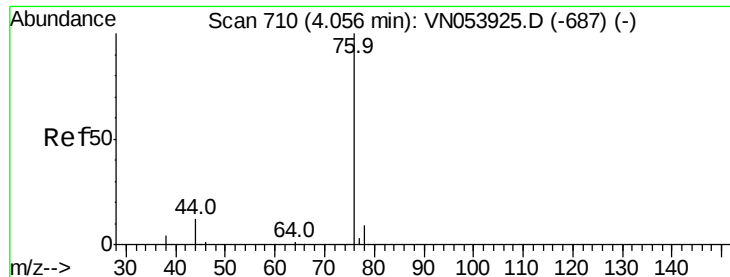
58 32.3 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

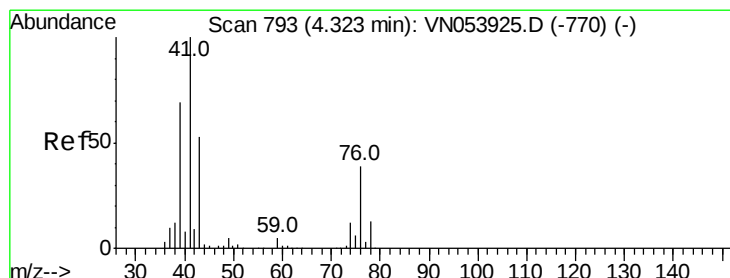
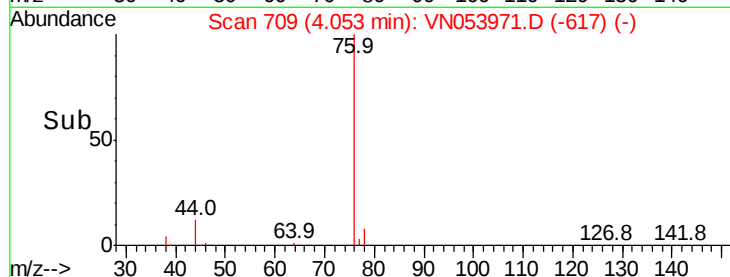
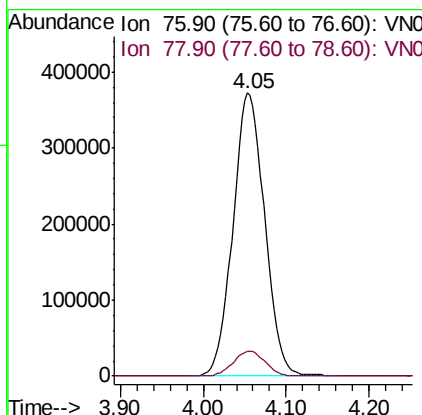
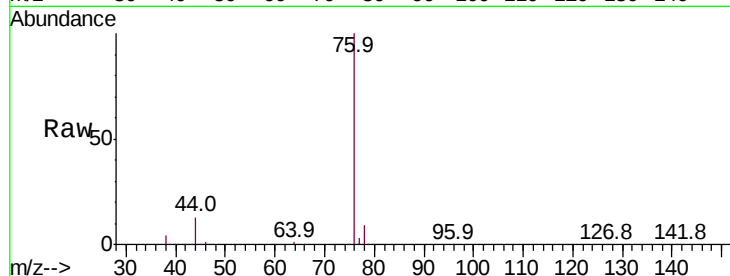




#17
Carbon Disulfide
Concen: 45.664 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

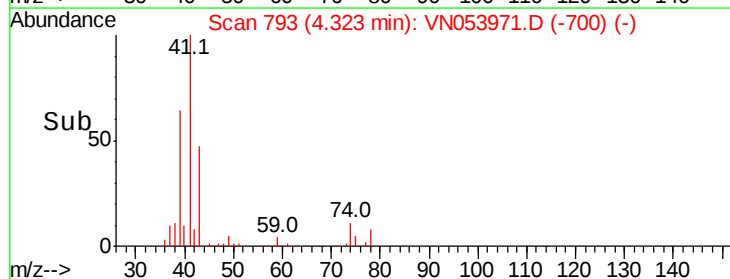
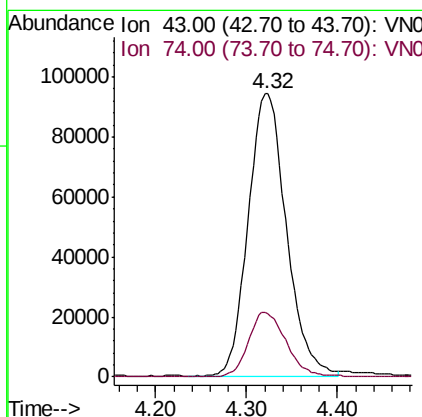
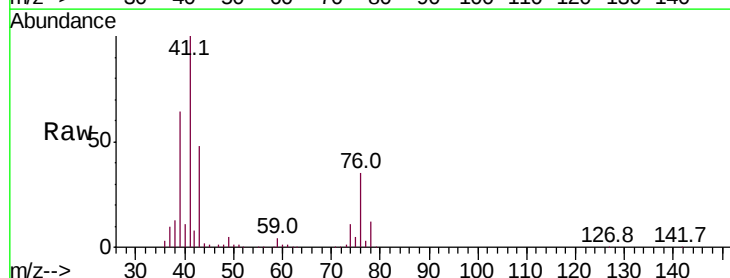
Instrument :
MSVOA_N
ClientSampleId :

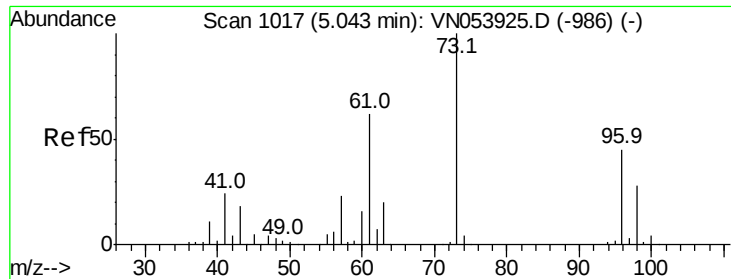
Tot Ion: 76 Resp: 989776
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 49.097 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion: 43 Resp: 273904
Ion Ratio Lower Upper
43 100
74 22.5 20.5 30.7

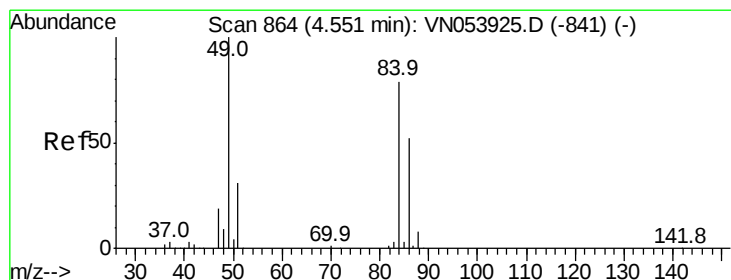
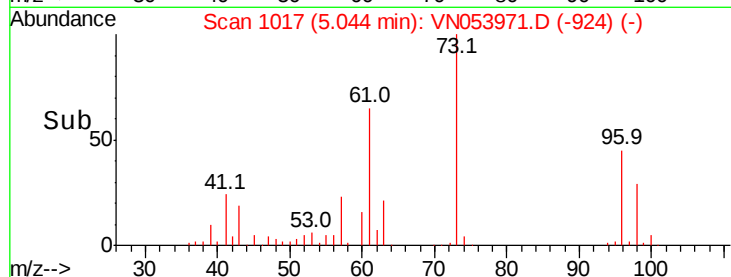
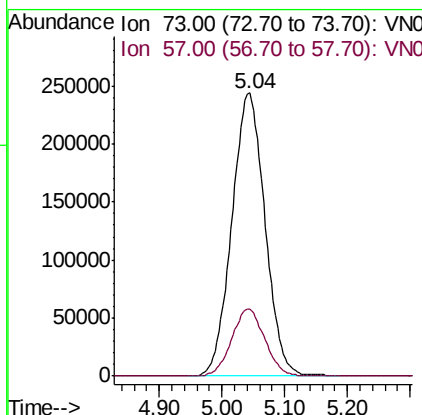
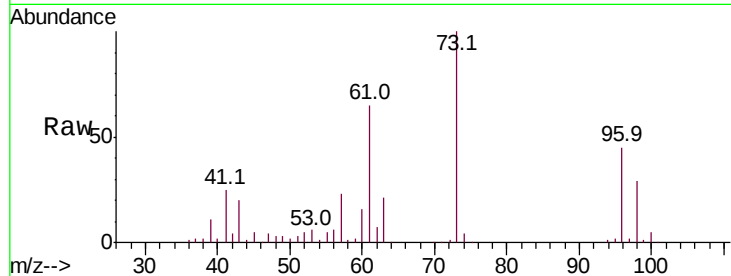




#19
Methvl tert-butvl Ether
Concen: 49.596 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

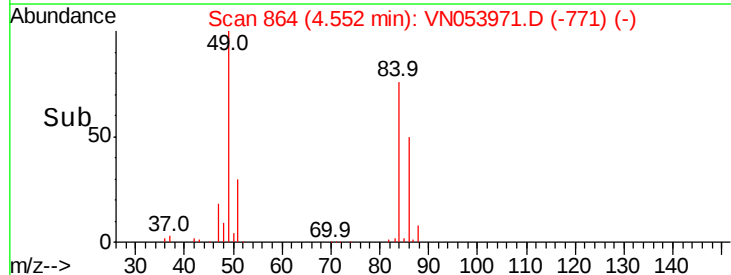
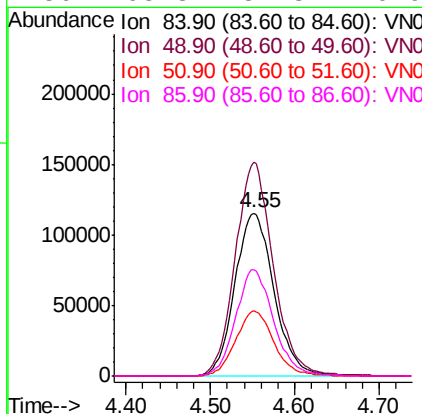
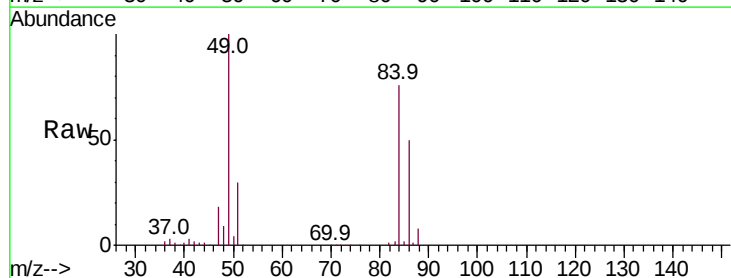
Instrument :
MSVOA_N
ClientSampled :

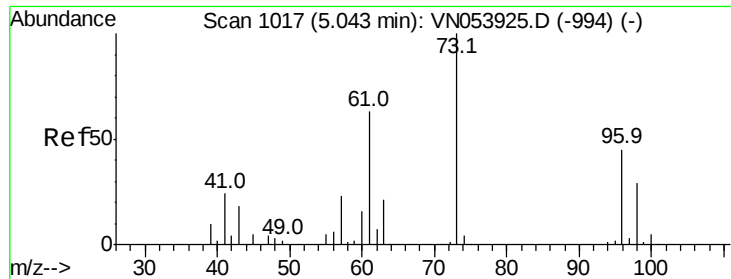
Tot Ion: 73 Resp: 893909
Ion Ratio Lower Upper
73 100
57 23.5 18.0 27.0



#20
Methylene Chloride
Concen: 47.068 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion: 84 Resp: 371669
Ion Ratio Lower Upper
84 100
49 131.0 89.7 134.5
51 39.7 27.8 41.8
86 65.3 51.3 76.9

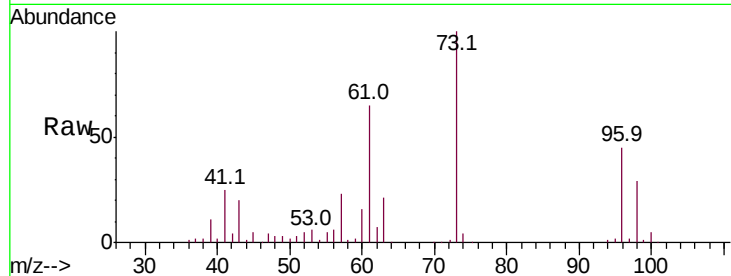




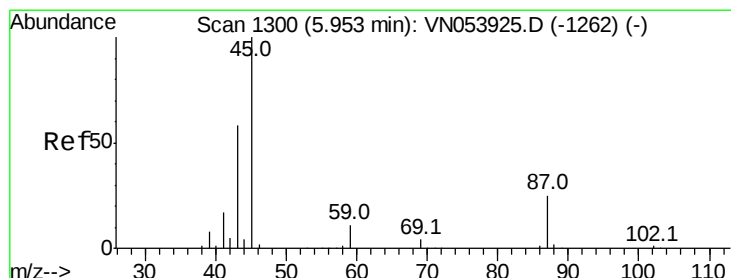
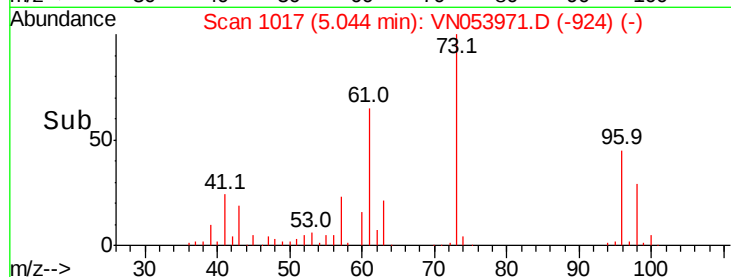
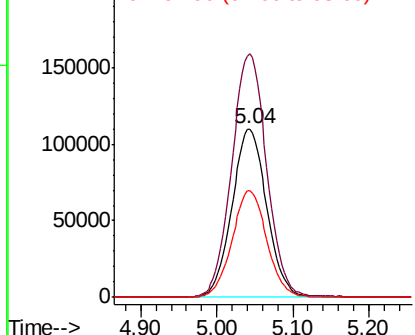
#21
trans-1,2-Dichloroethene
Concen: 48.163 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 350242
Ion Ratio Lower Upper
96 100
61 144.4 104.5 156.7
98 63.4 50.6 76.0

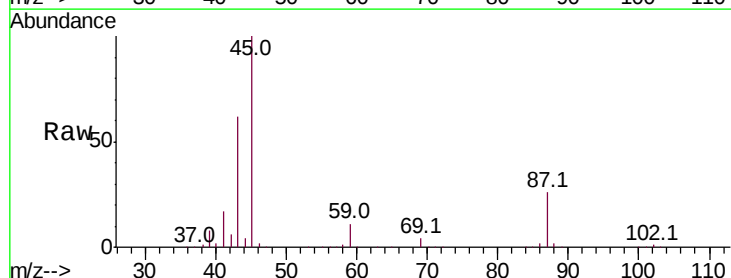


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

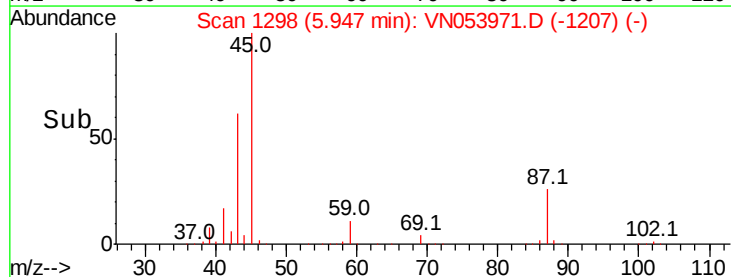
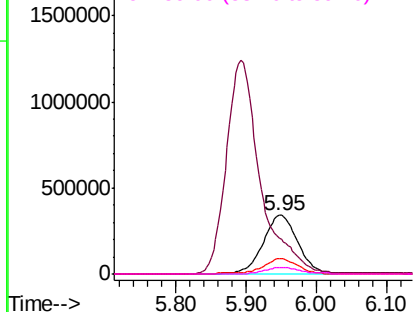


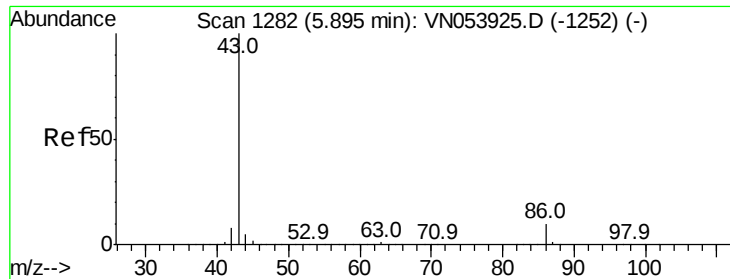
#22
Diisopropyl ether
Concen: 51.816 ug/l
RT: 5.95 min Scan# 1298
Delta R.T. -0.01 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion: 45 Resp: 1178007
Ion Ratio Lower Upper
45 100
43 61.9 46.2 69.4
87 25.7 23.4 35.0
59 11.1 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC

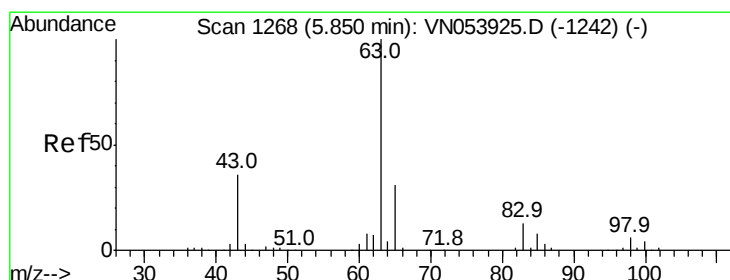
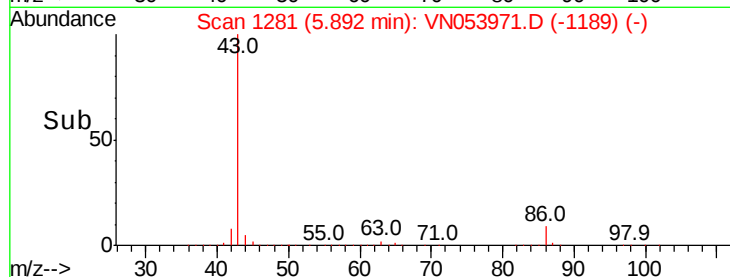
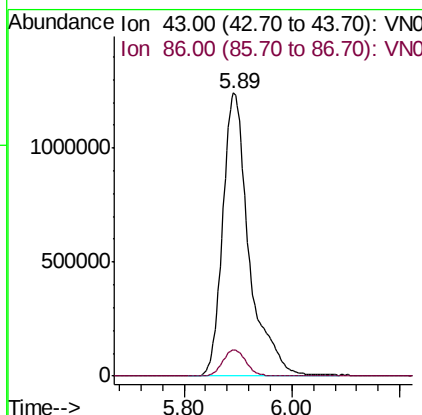
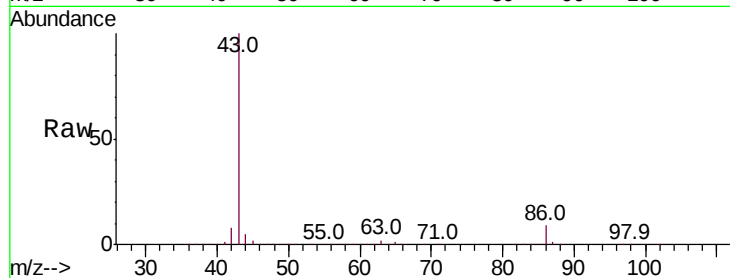




#23
 Vinyl Acetate
 Concen: 257.828 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

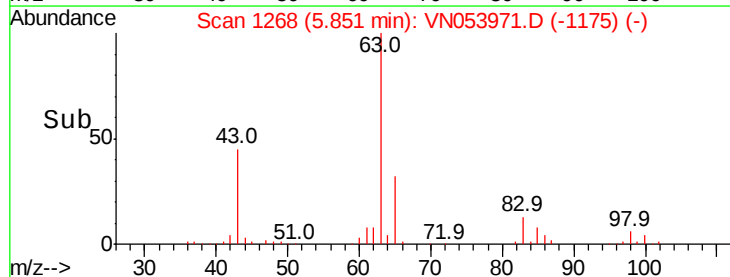
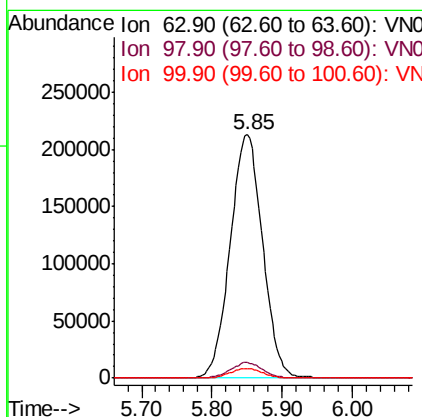
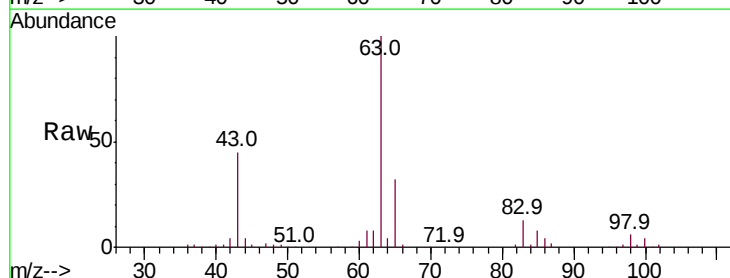
Instrument :
 MSVOA_N
 ClientSampled :

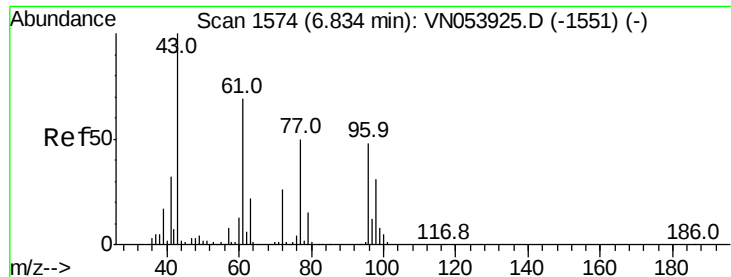
Tot Ion: 43 Resp: 4216667
 Ion Ratio Lower Upper
 43 100
 86 9.4 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 49.034 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Tgt Ion: 63 Resp: 683604
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.4 10.2
 100 4.0 2.2 6.6

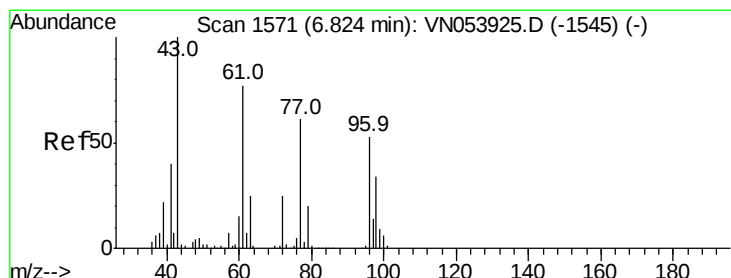
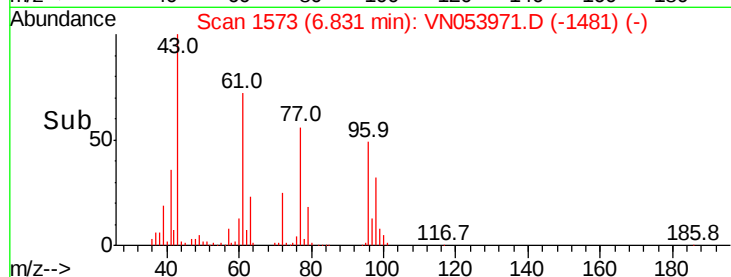
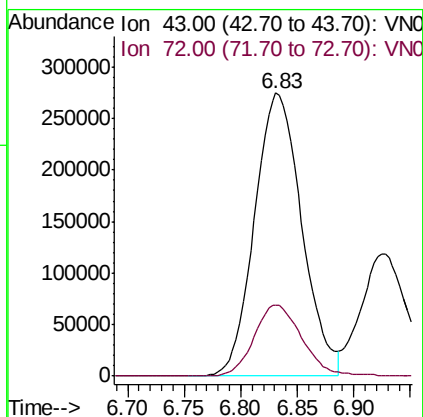
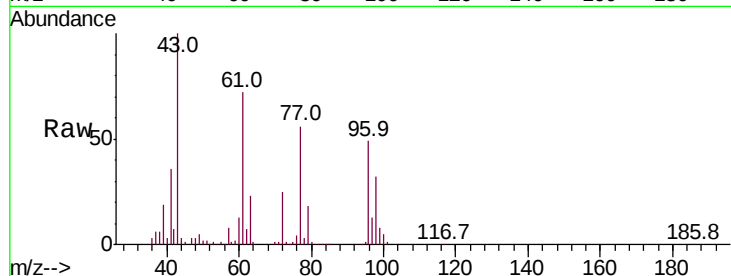




#25
 2-Butanone
 Concen: 253.478 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

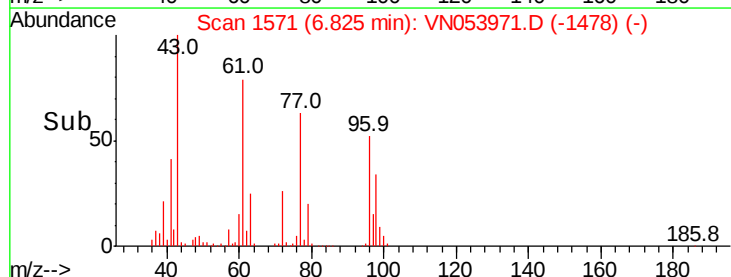
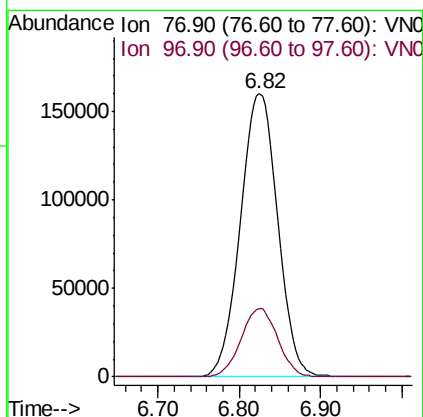
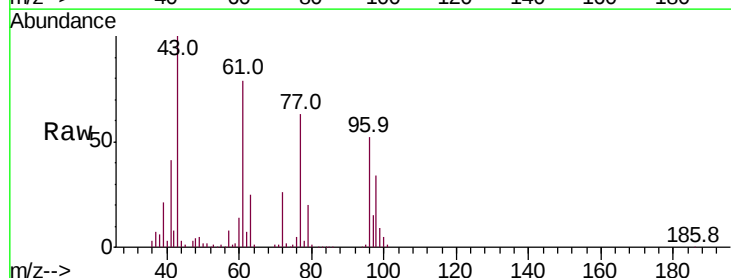
Instrument :
 MSVOA_N
 ClientSampled :

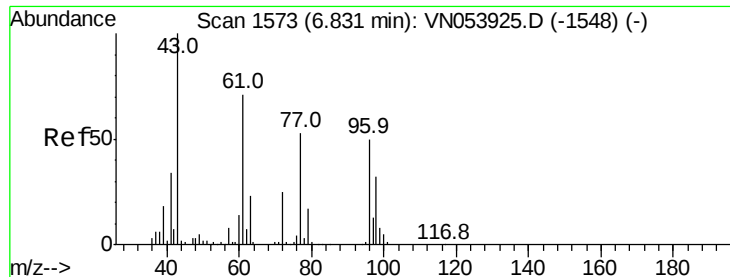
Tot Ion: 43 Resp: 794079
 Ion Ratio Lower Upper
 43 100
 72 25.3 22.1 33.1



#26
 2,2-Dichloropropane
 Concen: 51.067 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Tgt Ion: 77 Resp: 505811
 Ion Ratio Lower Upper
 77 100
 97 23.8 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 48.882 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampled :

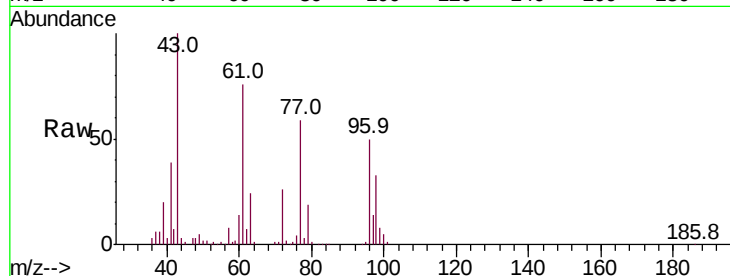
Tot Ion: 96 Resp: 395328

Ion Ratio Lower Upper

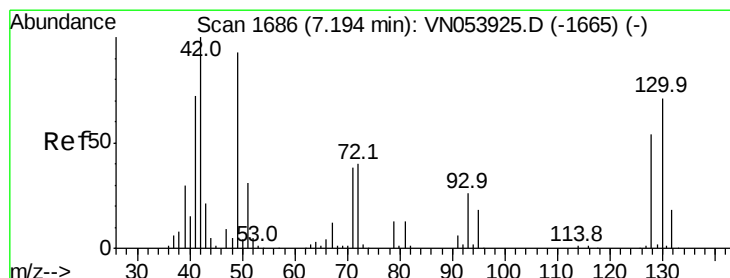
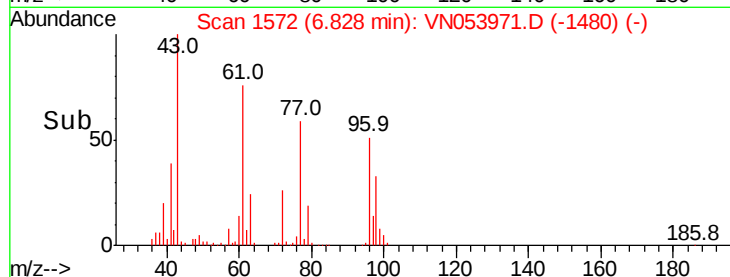
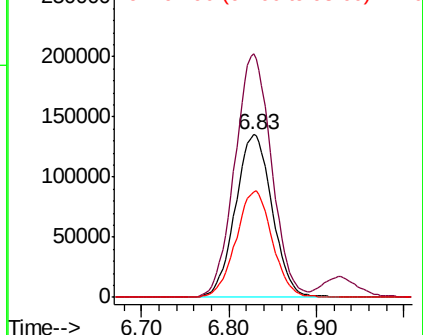
96 100

61 149.6 0.0 275.6

98 64.6 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.016 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

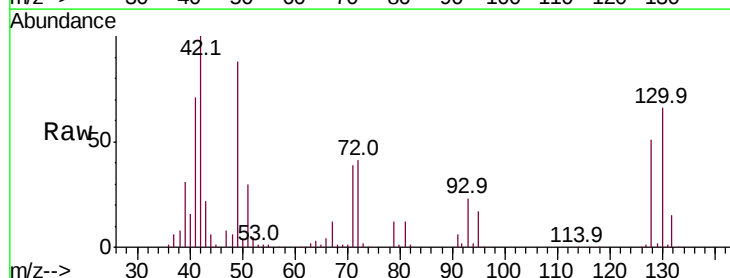
Tgt Ion: 49 Resp: 312793

Ion Ratio Lower Upper

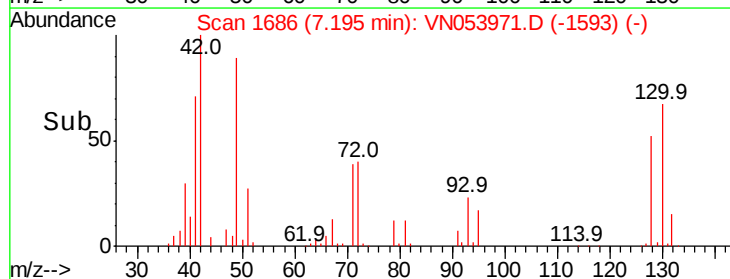
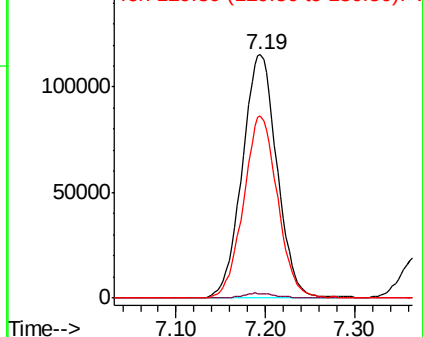
49 100

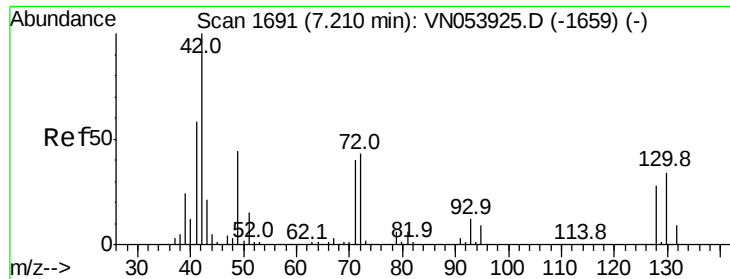
129 1.9 0.0 4.6

130 73.1 72.9 109.3



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

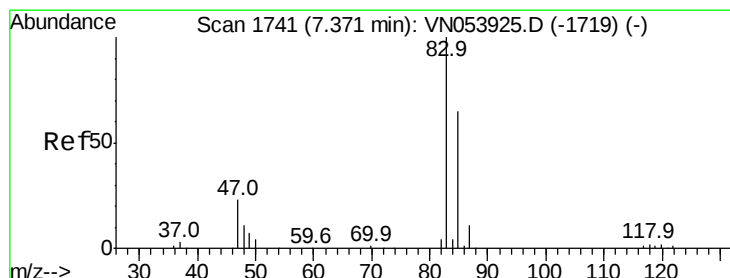
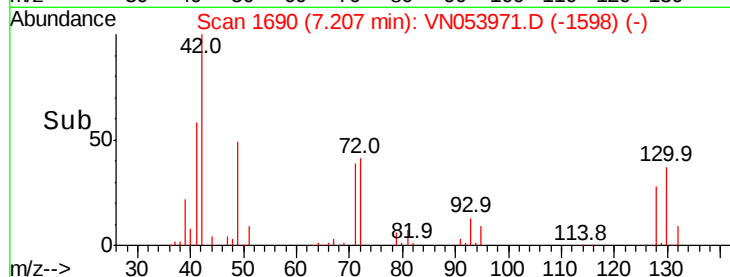
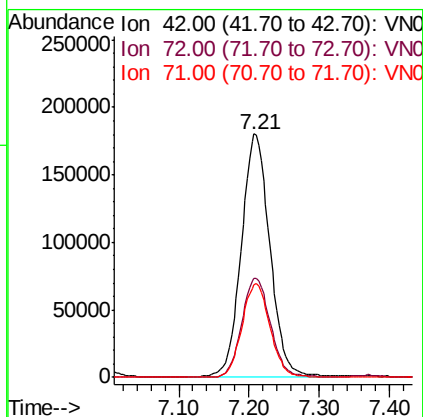
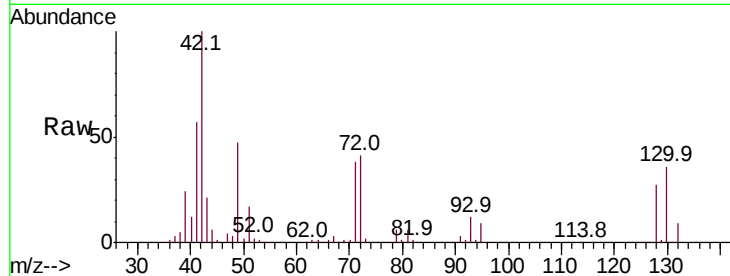




#29
Tetrahydrofuran
Concen: 243.860 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

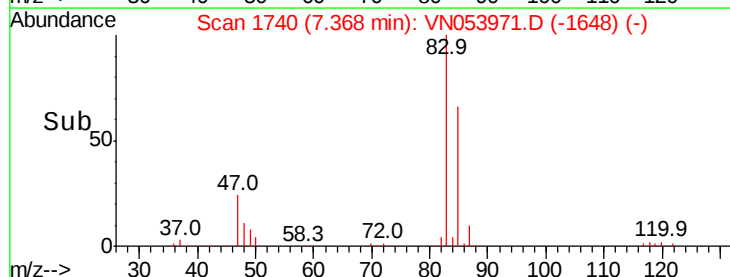
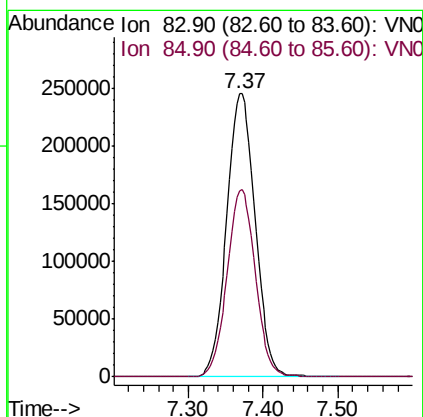
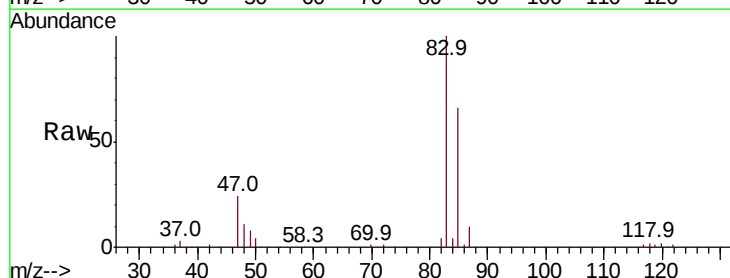
Instrument :
MSVOA_N
ClientSampled :

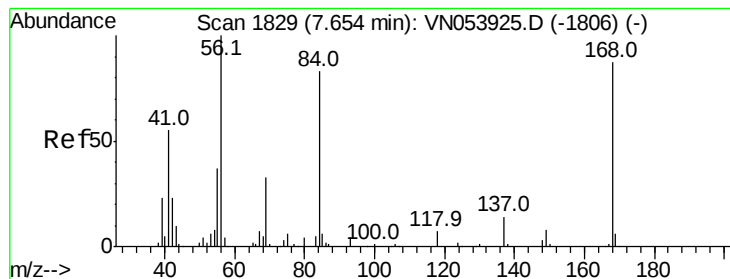
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	36.9	55.3
71	37.8	34.6	52.0



#30
Chloroform
Concen: 48.139 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	78.8





#31

Cyclohexane

Concen: 51.301 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :

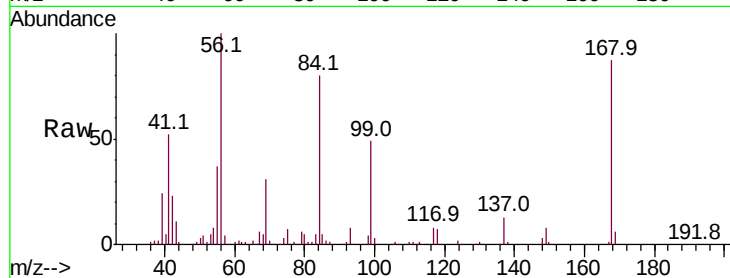
Tot Ion: 56 Resp: 654395

Ion Ratio Lower Upper

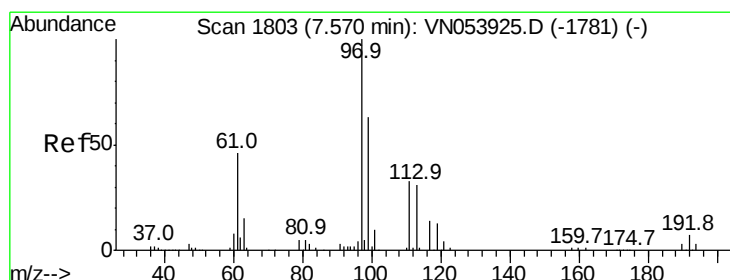
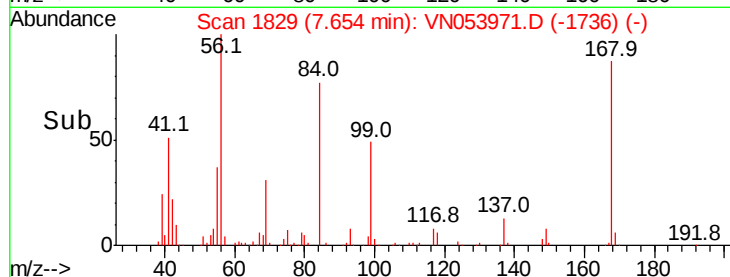
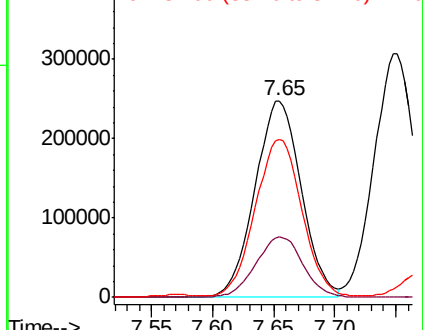
56 100

69 30.5 26.0 39.0

84 79.3 69.1 103.7



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



#32

1,1,1-Trichloroethane

Concen: 48.834 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

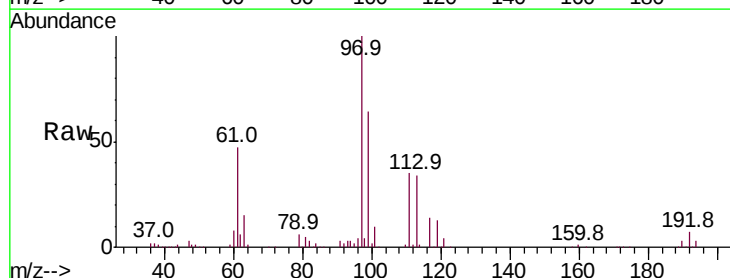
Tgt Ion: 97 Resp: 544320

Ion Ratio Lower Upper

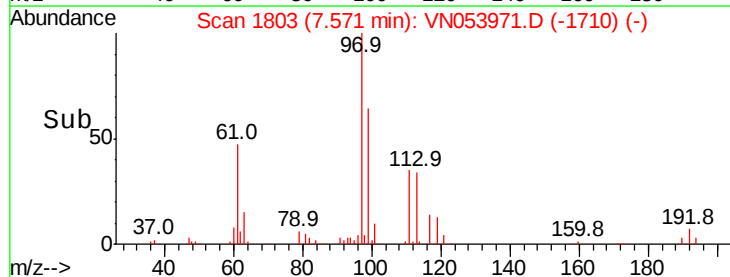
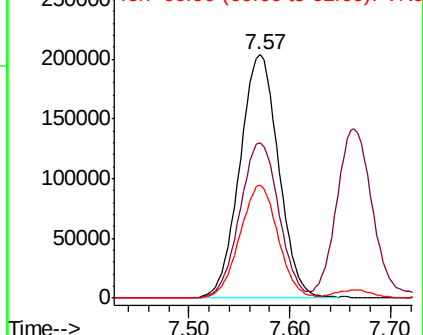
97 100

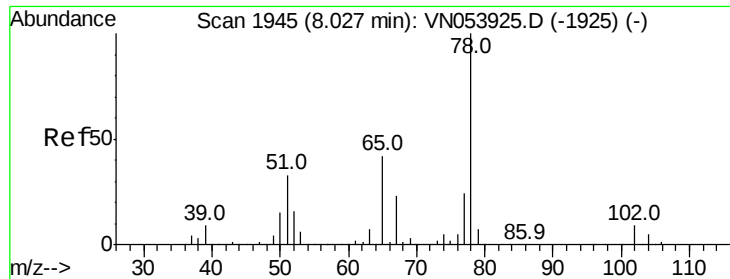
99 64.2 51.8 77.8

61 45.7 33.2 49.8



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

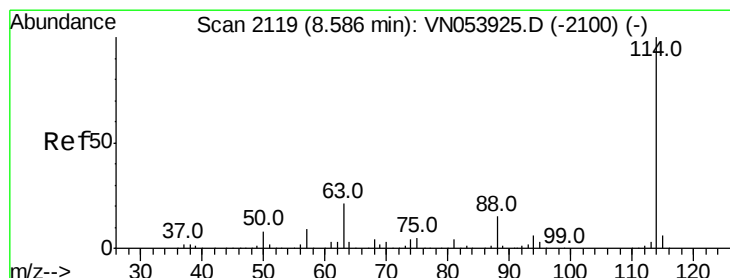
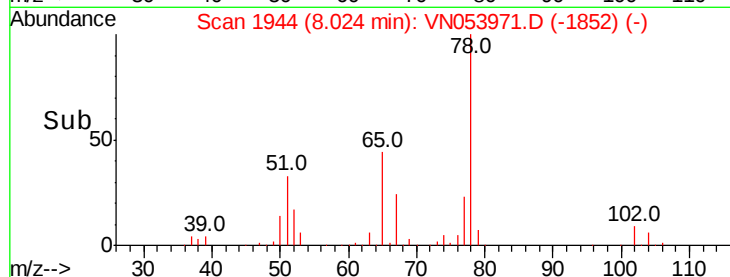
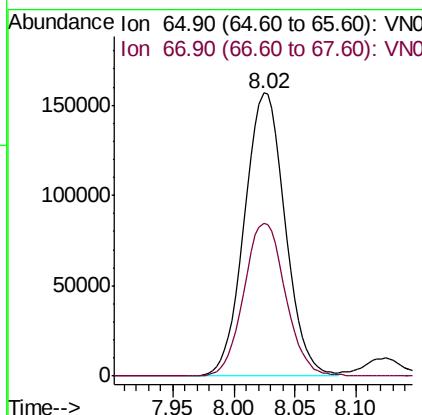
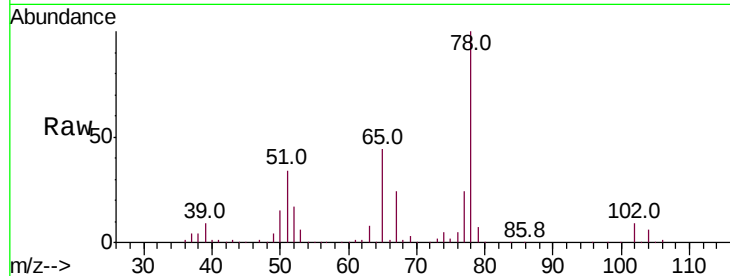




#33
 1,2-Dichloroethane-d4
 Concen: 45.346 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

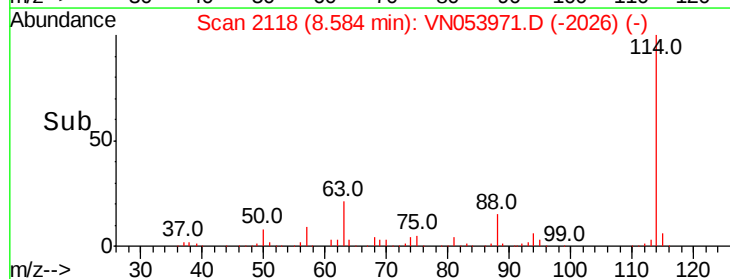
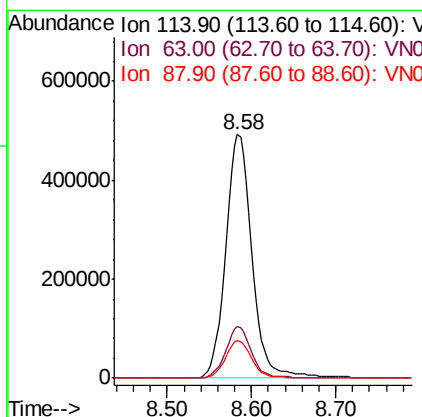
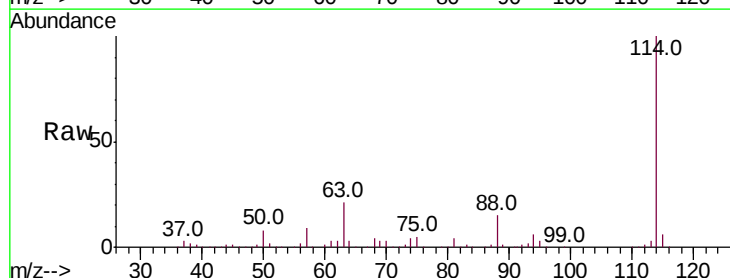
Instrument :
 MSVOA_N
 ClientSampleId :

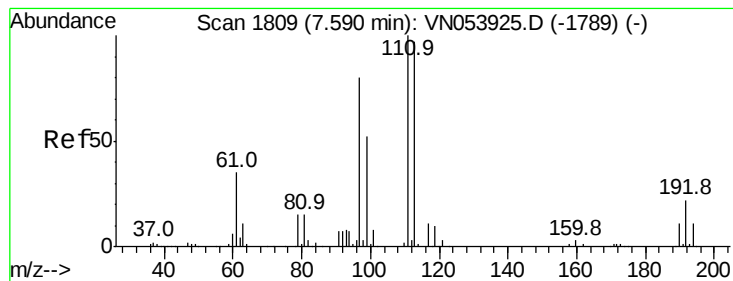
Tot Ion: 65 Resp: 361794
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Tgt Ion:114 Resp: 1061785
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 37.4
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 47.085 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :

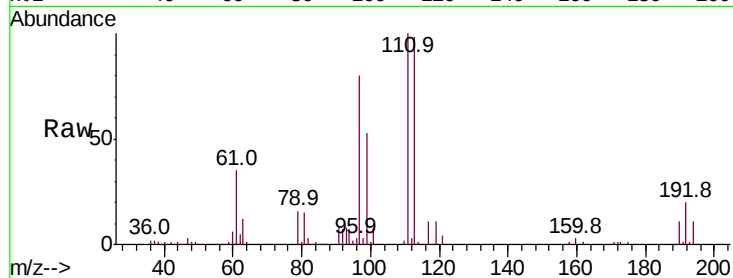
Tot Ion:113 Resp: 323290

Ion Ratio Lower Upper

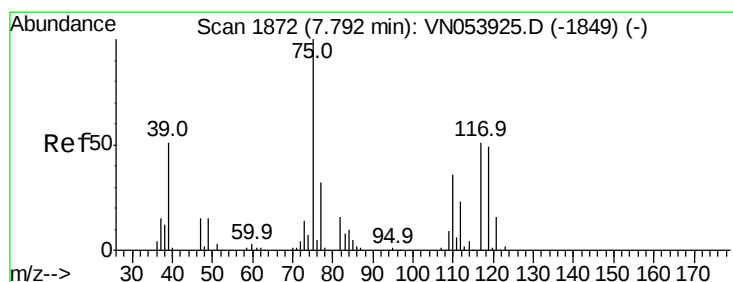
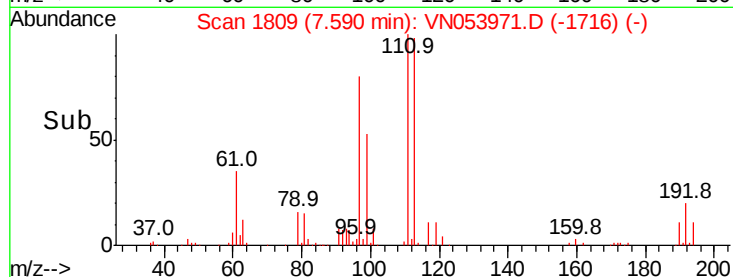
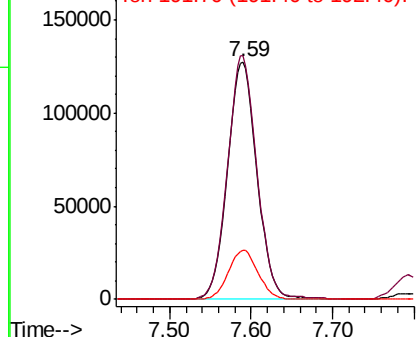
113 100

111 102.4 81.1 121.7

192 20.8 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.867 ug/l

RT: 7.79 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

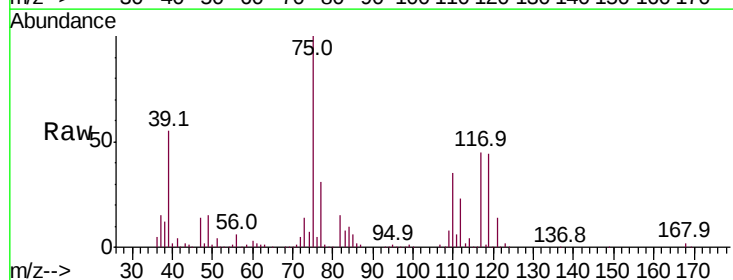
Tgt Ion: 75 Resp: 512143

Ion Ratio Lower Upper

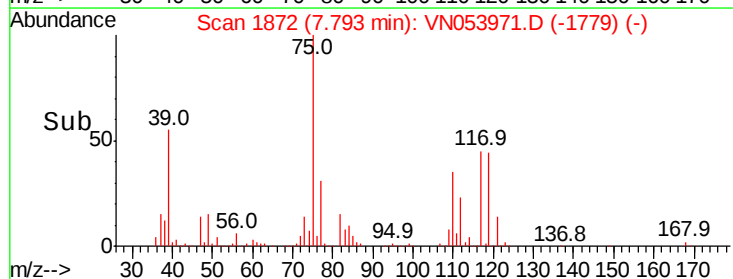
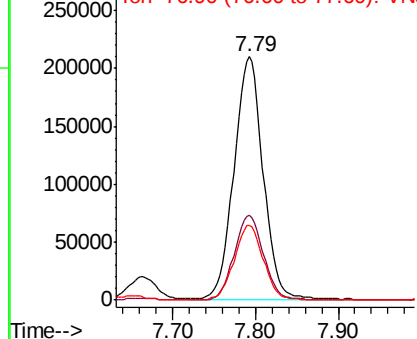
75 100

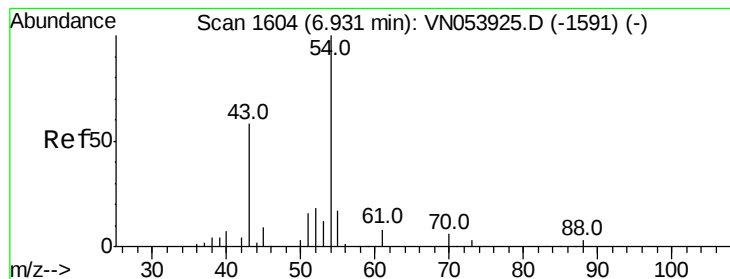
110 35.2 19.0 57.0

77 31.5 25.4 38.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 48.186 ug/l

RT: 6.92 min Scan# 1602

Delta R.T. -0.01 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :

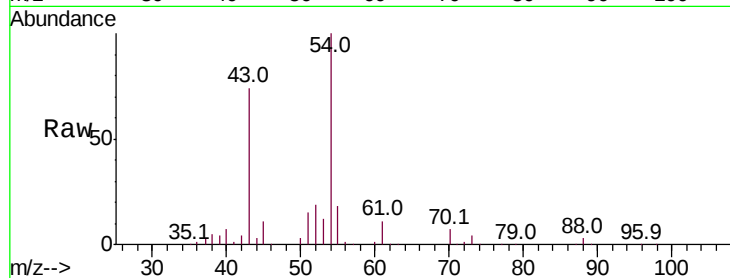
Tot Ion: 43 Resp: 339737

Ion Ratio Lower Upper

43 100

61 13.7 12.0 18.0

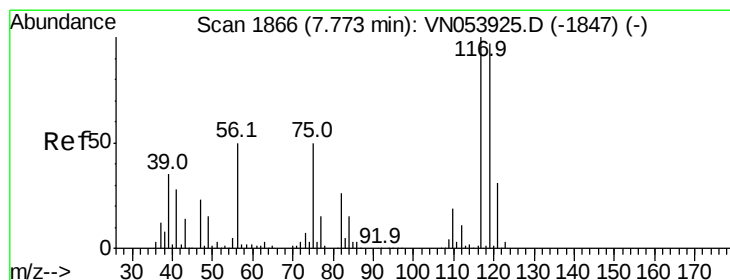
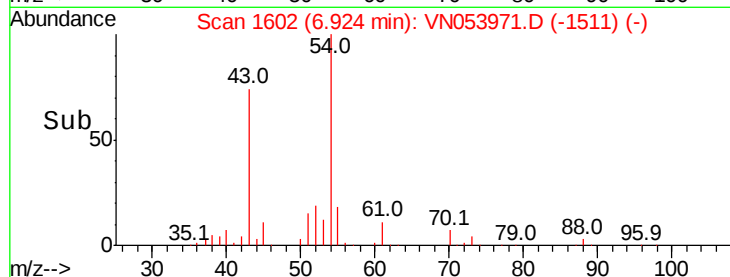
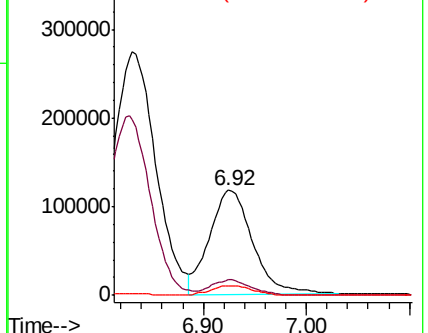
70 9.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN053971.D (-1591) (-)

Ion 60.90 (60.60 to 61.60): VN053971.D (-1591) (-)

Ion 70.00 (69.70 to 70.70): VN053971.D (-1591) (-)



#38

Carbon Tetrachloride

Concen: 46.922 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

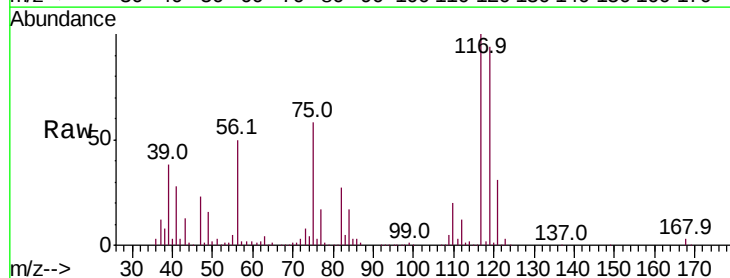
Tgt Ion: 117 Resp: 481868

Ion Ratio Lower Upper

117 100

119 94.4 76.2 114.2

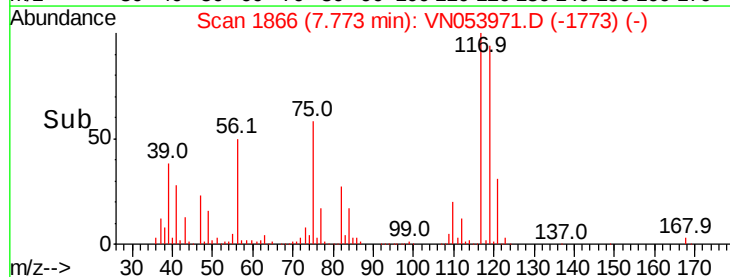
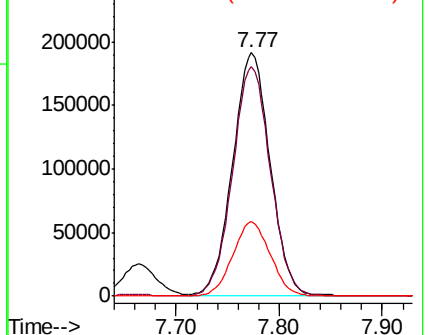
121 30.6 24.6 36.8

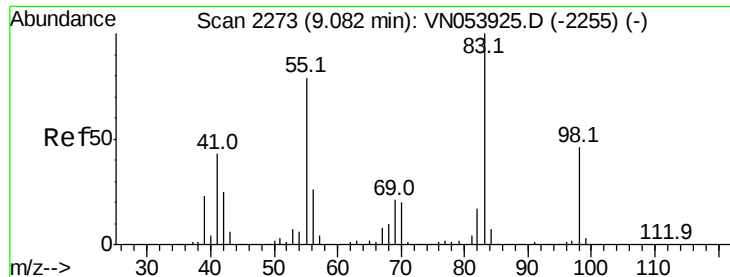


Abundance Ion 116.80 (116.50 to 117.50): VN053971.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053971.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053971.D (-1773) (-)

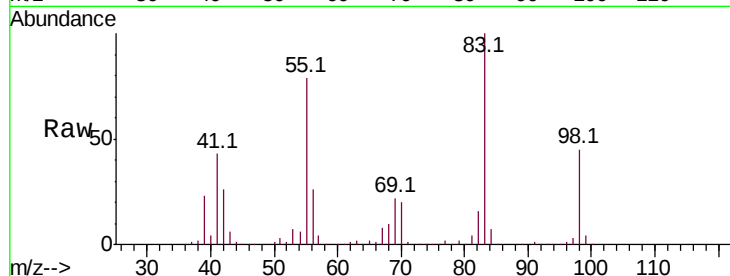




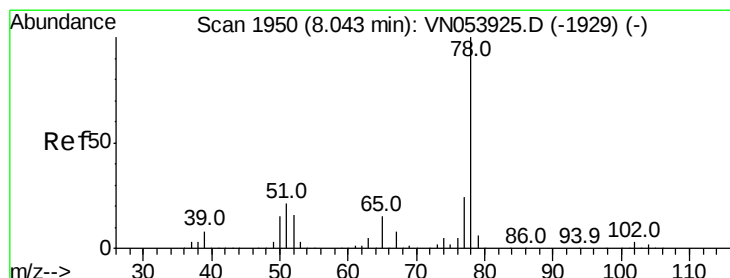
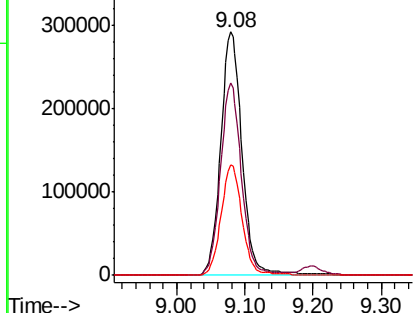
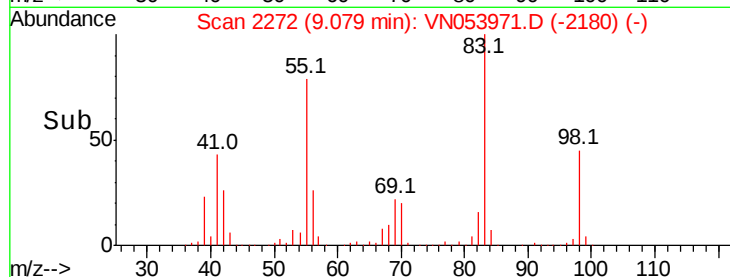
#39
Methvlcvclohexane
Concen: 53.515 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 636908
Ion Ratio Lower Upper
83 100
55 78.9 58.2 87.4
98 45.2 37.2 55.8

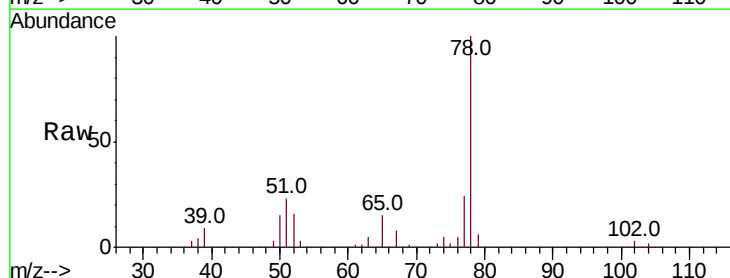


Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 55.00 (54.70 to 55.70): VNC
Ion 98.00 (97.70 to 98.70): VNC

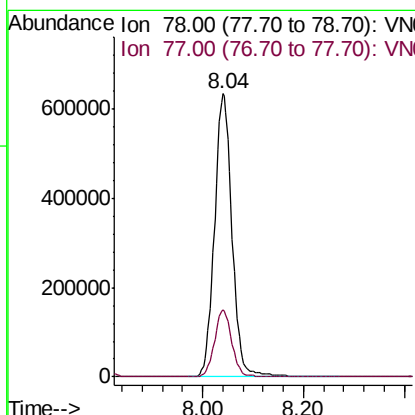
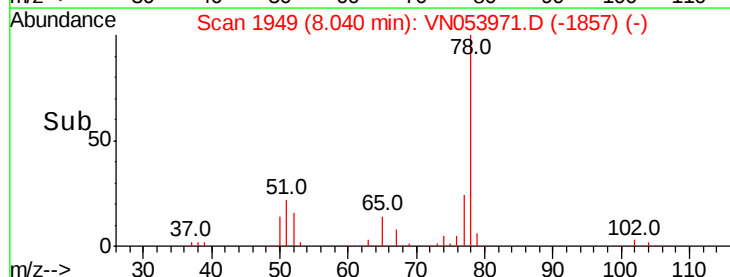


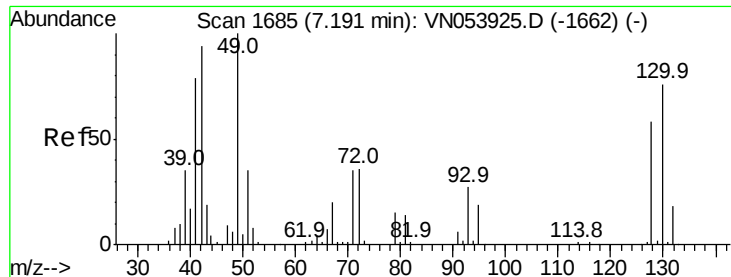
#40
Benzene
Concen: 50.592 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion: 78 Resp: 1534648
Ion Ratio Lower Upper
78 100
77 23.9 18.8 28.2



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





#41

Methacrylonitrile

Concen: 41.320 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.02 min

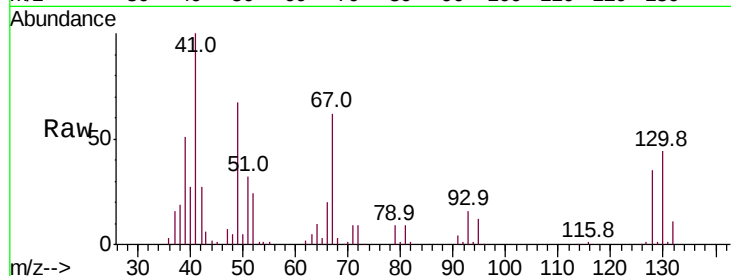
Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

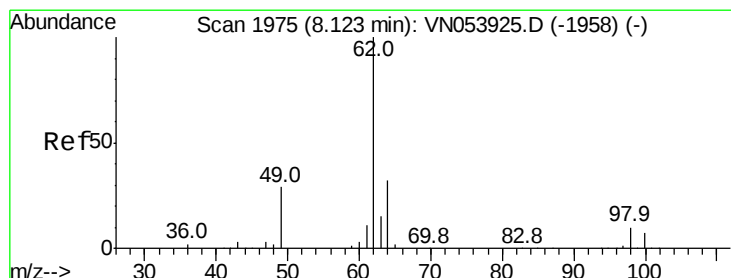
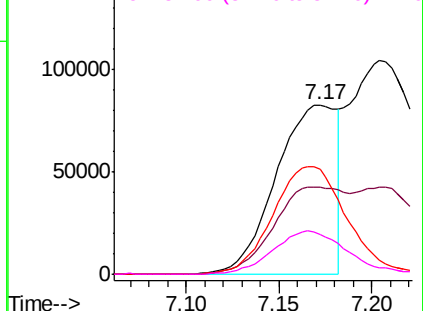
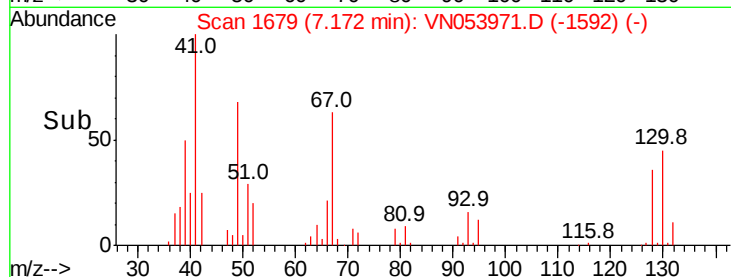
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 187591

Ion	Ratio	Lower	Upper
41	100		
39	61.1	0.0	0.0#
67	78.3	0.0	0.0#
52	32.0	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: 50.467 ug/l

RT: 8.12 min Scan# 1975

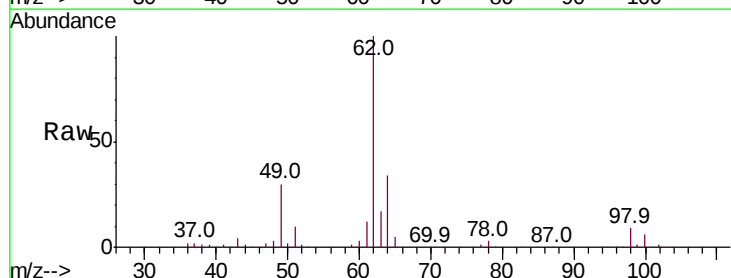
Delta R.T. 0.00 min

Lab File: VN053971.D

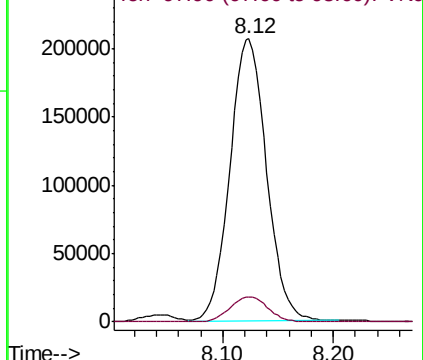
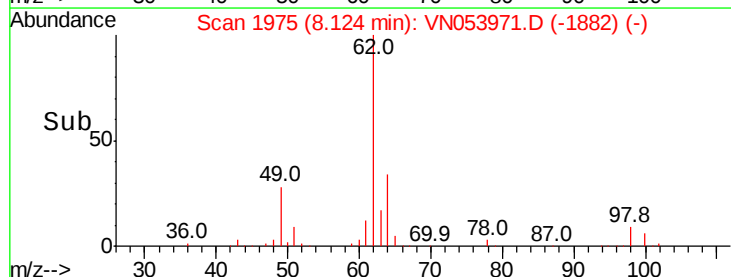
Acq: 27 Feb 2019 16:12

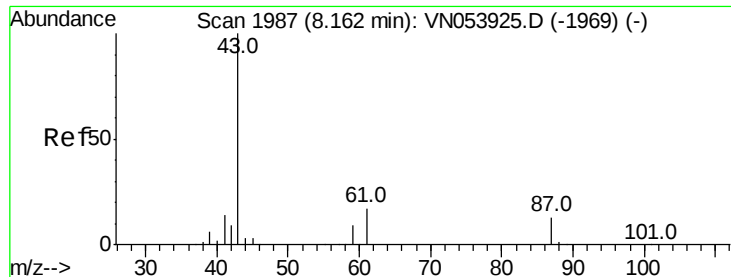
Tgt Ion: 62 Resp: 473949

Ion	Ratio	Lower	Upper
62	100		
98	9.3	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: 49.412 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

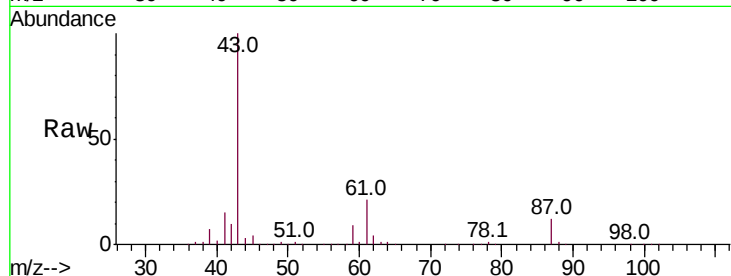
Tot Ion: 43 Resp: 588221

Ion Ratio Lower Upper

43 100

61 28.1 17.4 26.0#

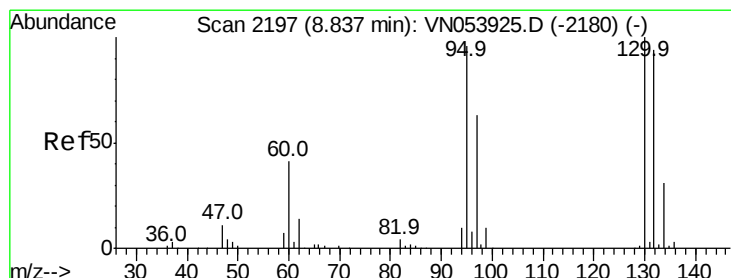
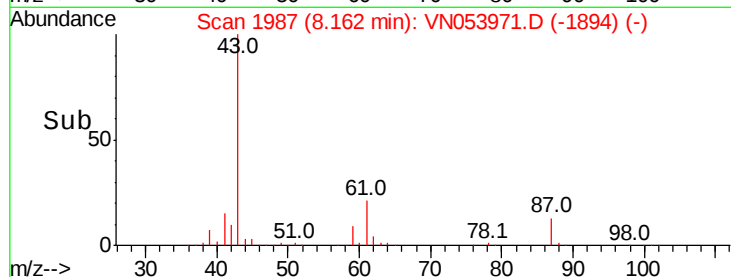
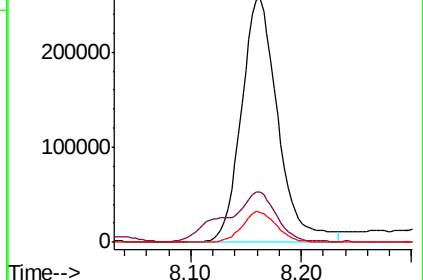
87 12.0 11.5 17.3



Abundance Ion 43.00 (42.70 to 43.70): VN053971.D (-1894) (-)

Ion 61.00 (60.70 to 61.70): VN053971.D (-1894) (-)

Ion 87.00 (86.70 to 87.70): VN053971.D (-1894) (-)



#44

Trichloroethene

Concen: 49.646 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053971.D

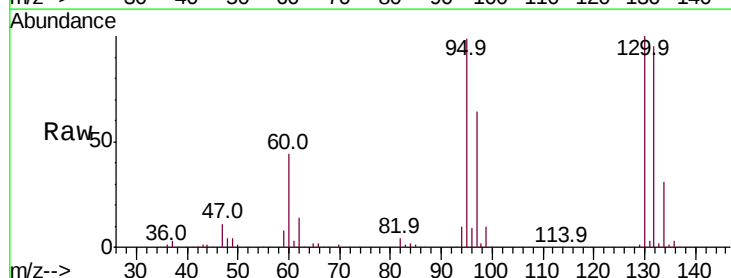
Acq: 27 Feb 2019 16:12

Tgt Ion:130 Resp: 399250

Ion Ratio Lower Upper

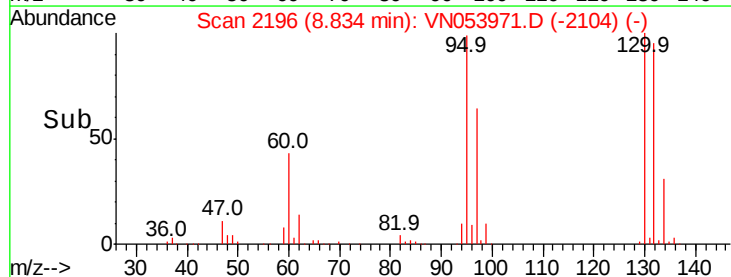
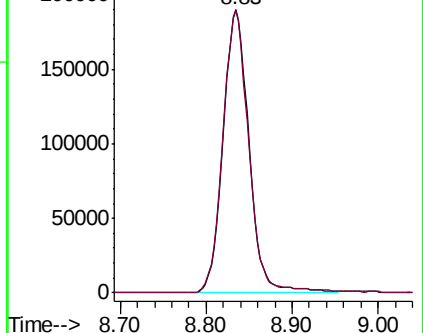
130 100

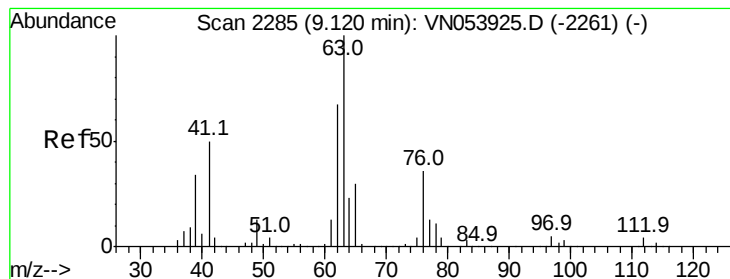
95 99.5 0.0 190.0



Abundance Ion 129.80 (129.50 to 130.50): VN053971.D (-2104) (-)

Ion 94.90 (94.60 to 95.60): VN053971.D (-2104) (-)





#45

1,2-Dichloropropane

Concen: 50.859 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

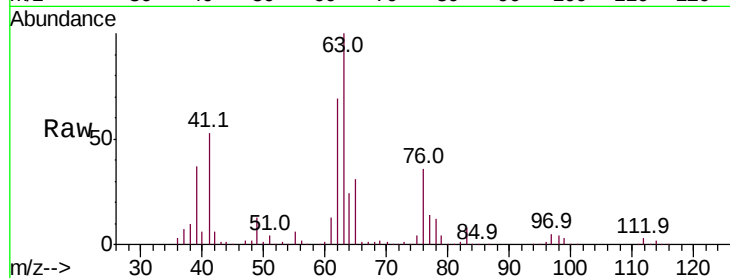
ClientSampled :

Tot Ion: 63 Resp: 416225

Ion Ratio Lower Upper

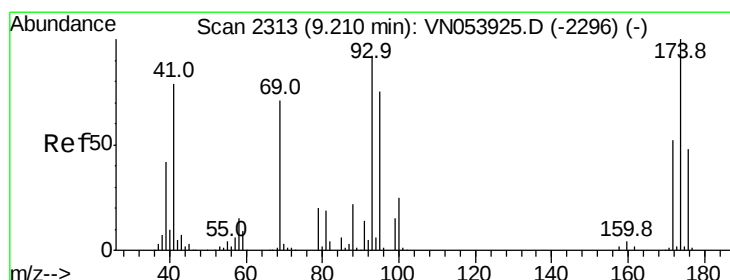
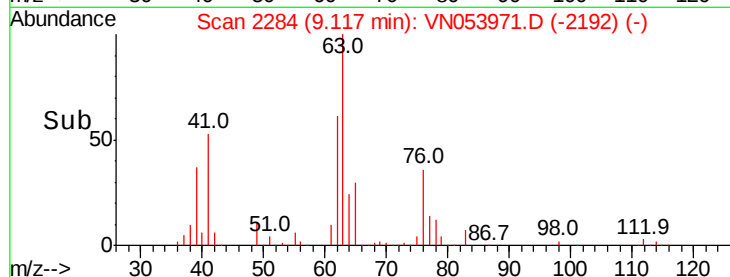
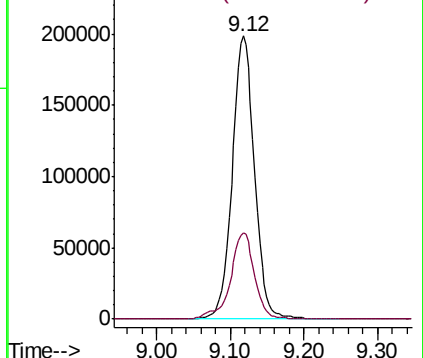
63 100

65 30.7 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.590 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

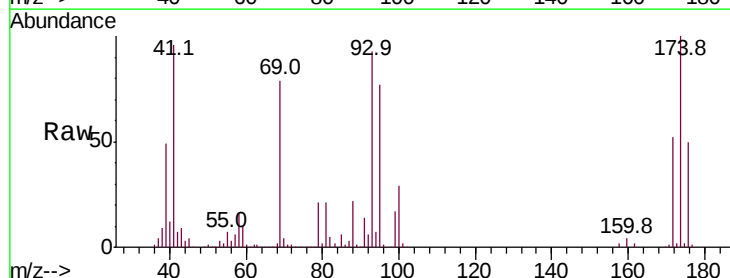
Tgt Ion: 93 Resp: 235616

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

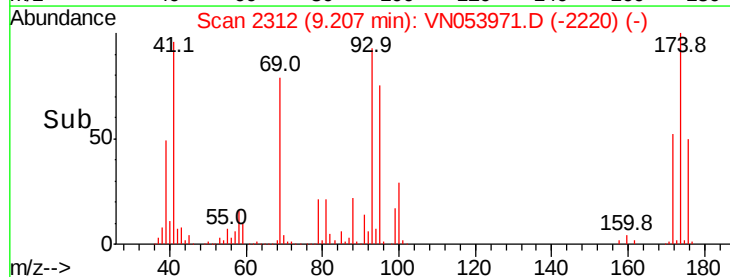
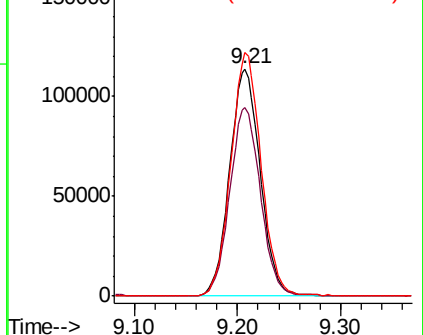
174 105.6 96.2 144.4

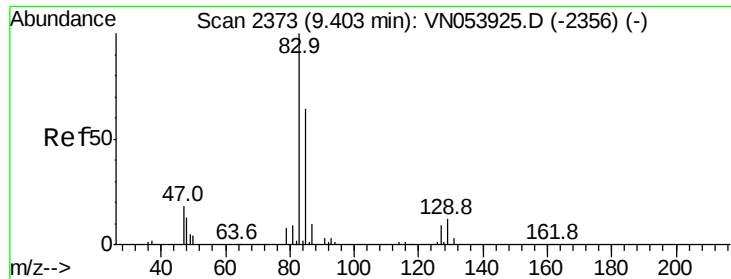


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.527 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :

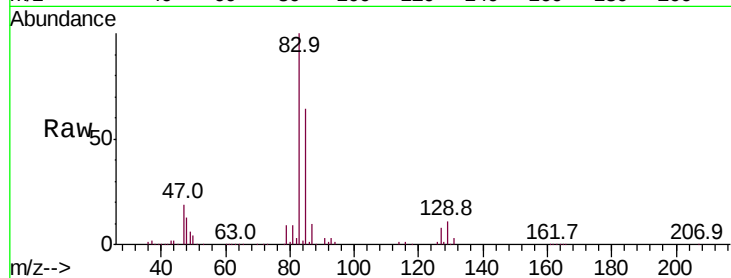
Tot Ion: 83 Resp: 505925

Ion Ratio Lower Upper

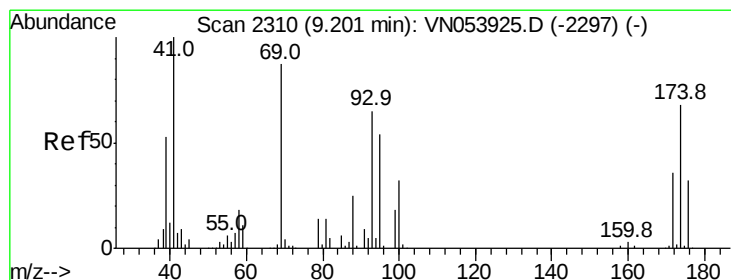
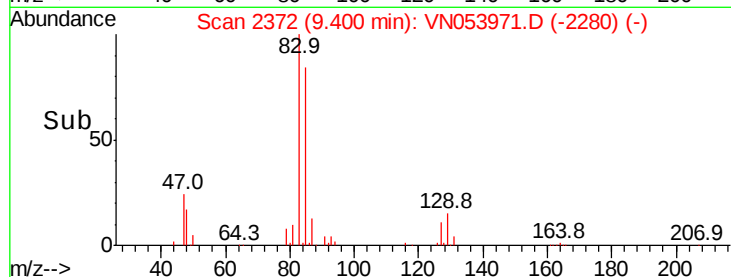
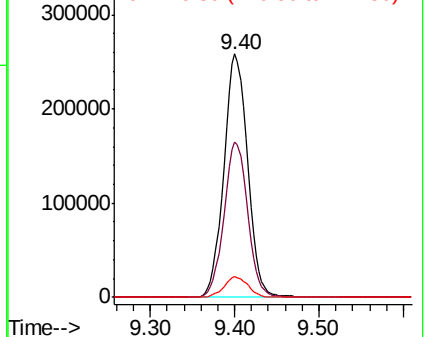
83 100

85 63.9 51.8 77.6

127 8.4 7.4 11.0



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



#48

Methyl methacrylate

Concen: 51.923 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

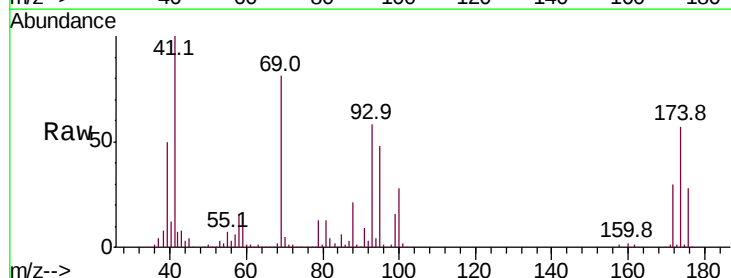
Tgt Ion: 41 Resp: 284311

Ion Ratio Lower Upper

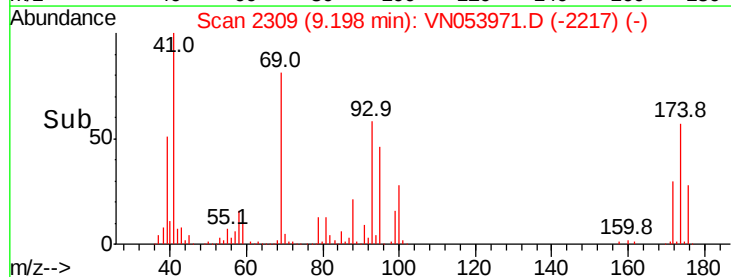
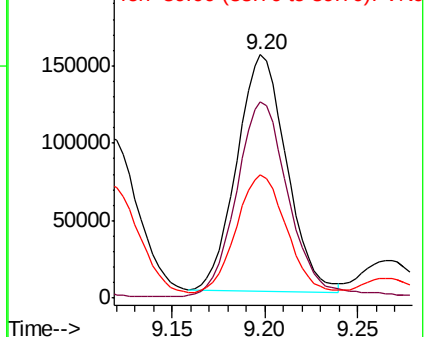
41 100

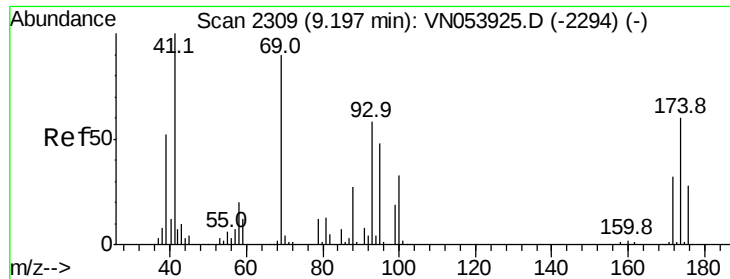
69 87.5 74.8 112.2

39 55.1 39.0 58.6



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





#49

1,4-Dioxane

Concen: 984.187 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :

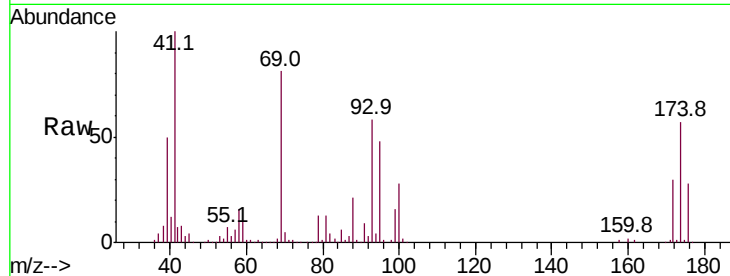
Tot Ion: 88 Resp: 72991

Ion Ratio Lower Upper

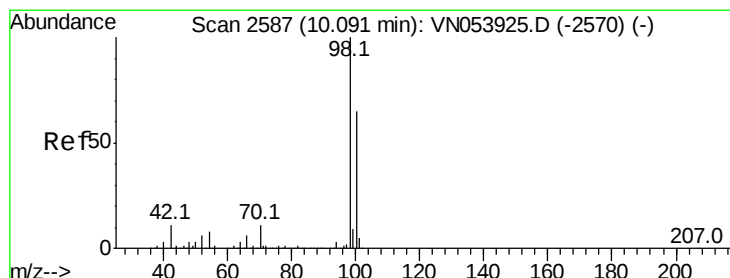
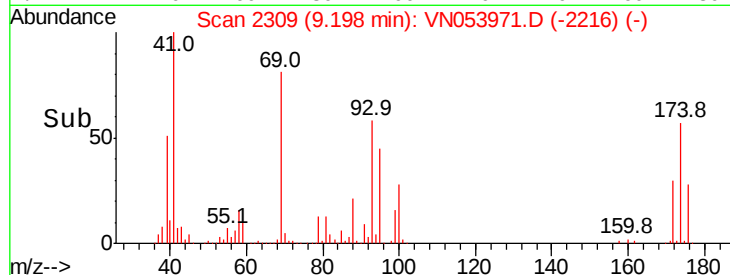
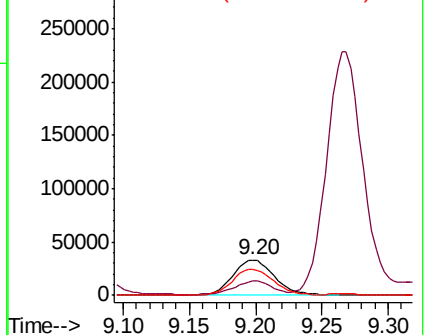
88 100

43 34.0 21.2 31.8#

58 73.8 54.2 81.2



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



#50

Toluene-d8

Concen: 47.708 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053971.D

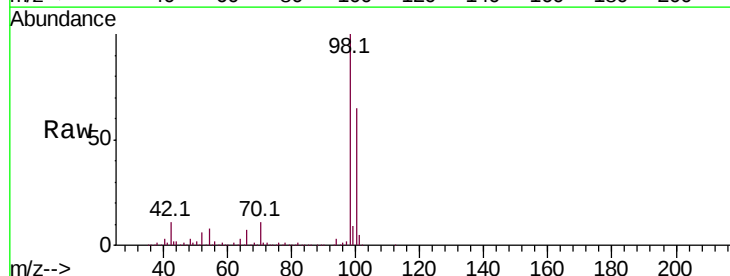
Acq: 27 Feb 2019 16:12

Tgt Ion: 98 Resp: 1219394

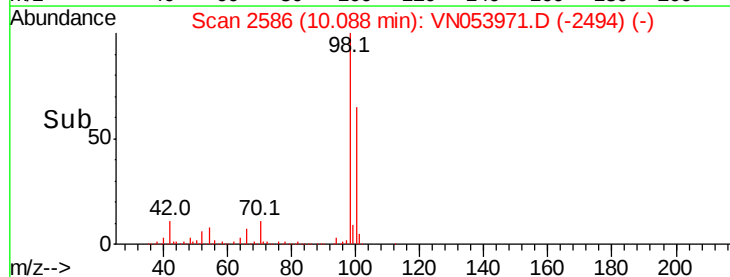
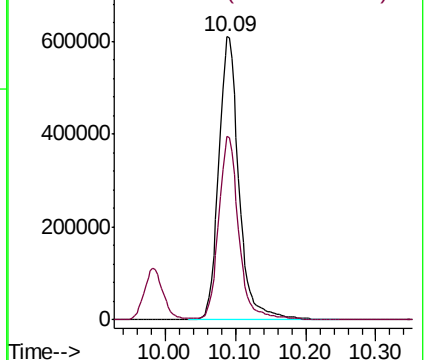
Ion Ratio Lower Upper

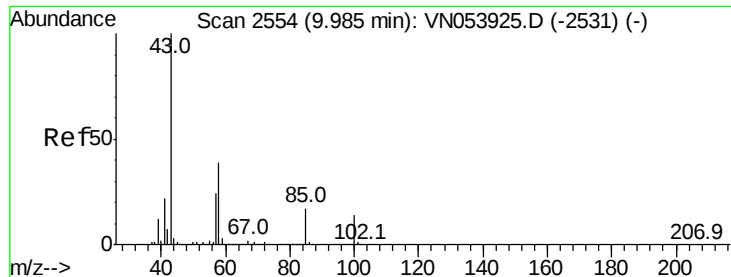
98 100

100 64.5 51.9 77.9



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

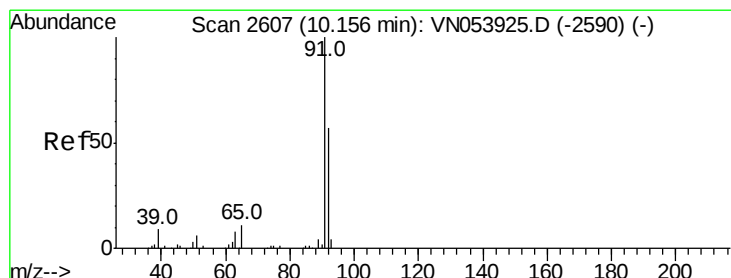
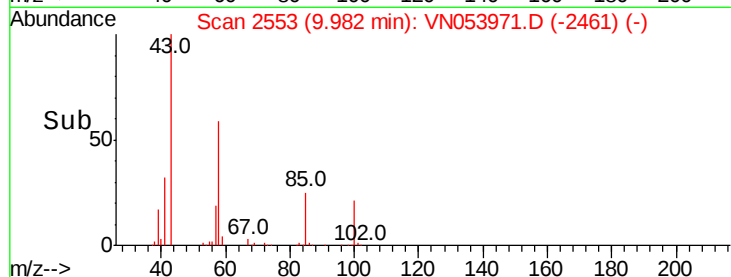
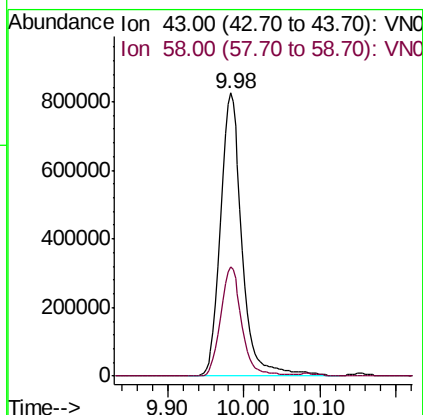
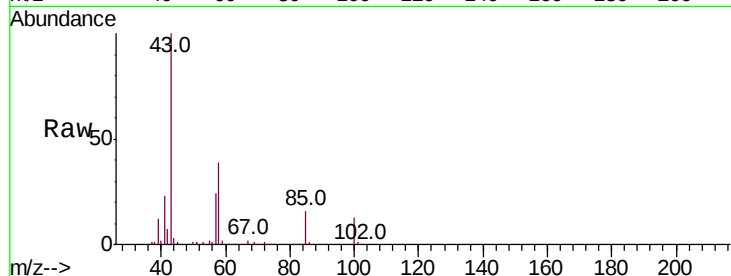




#51
4-Methyl-2-Pentanone
Concen: 264.524 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

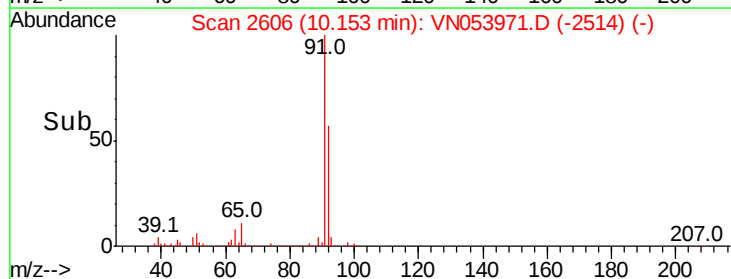
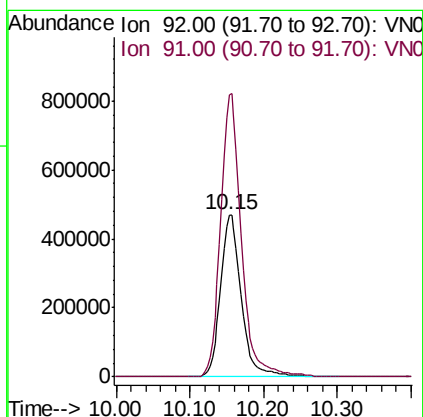
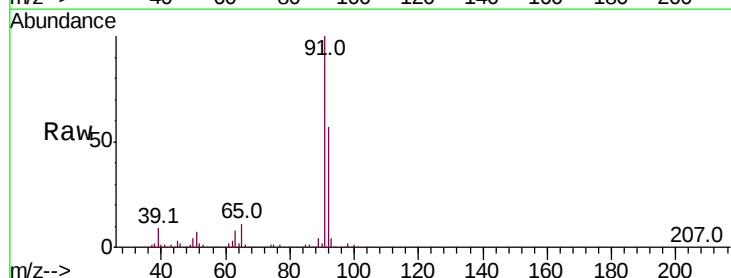
Instrument :
MSVOA_N
ClientSampleId :

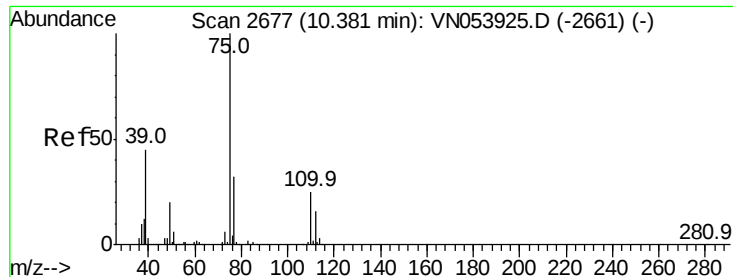
Tot Ion: 43 Resp: 1618161
Ion Ratio Lower Upper
43 100
58 38.1 32.7 49.1



#52
Toluene
Concen: 51.567 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion: 92 Resp: 921069
Ion Ratio Lower Upper
92 100
91 174.8 138.4 207.6





#53

t-1,3-Dichloropropene

Concen: 52.559 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

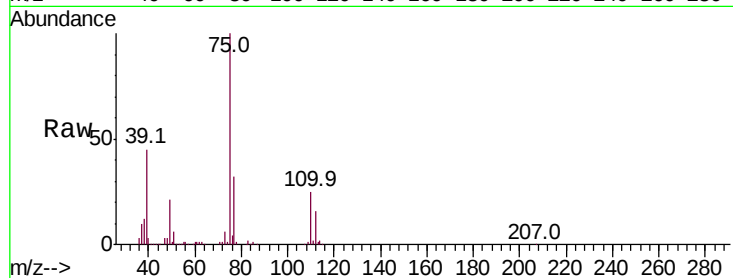
ClientSampleId :

Tot Ion: 75 Resp: 512056

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

250000

200000

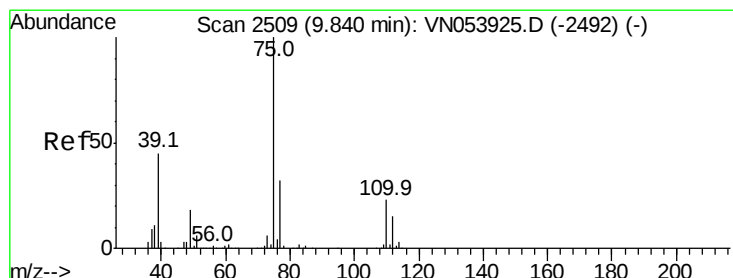
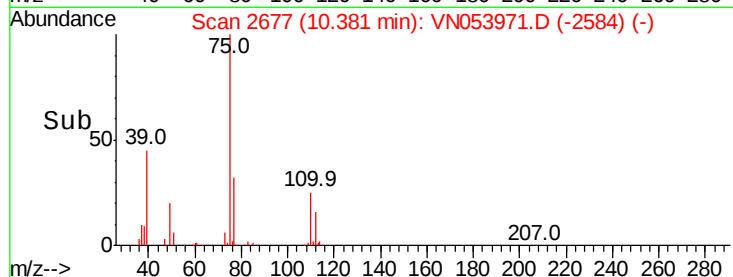
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.307 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

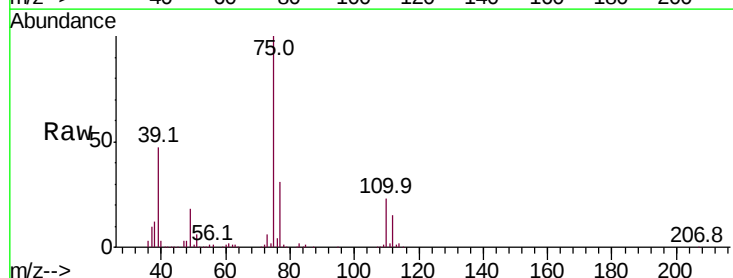
Tgt Ion: 75 Resp: 600760

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

39 46.6 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

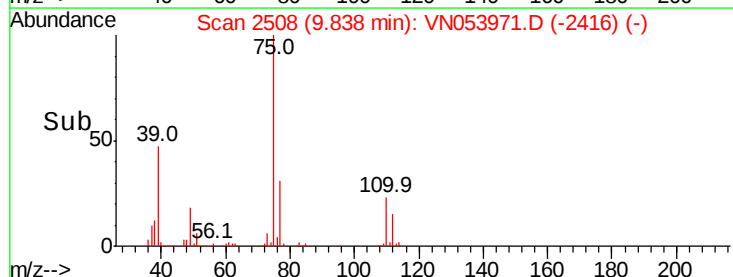
300000

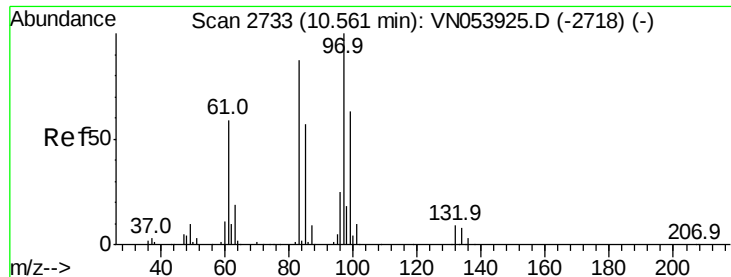
200000

100000

0

Time-->



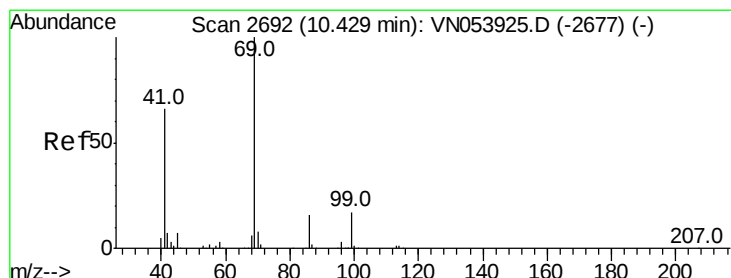
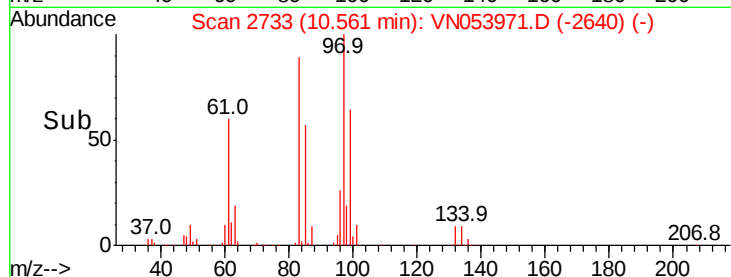
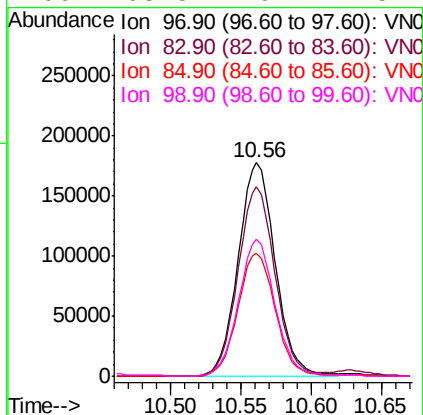
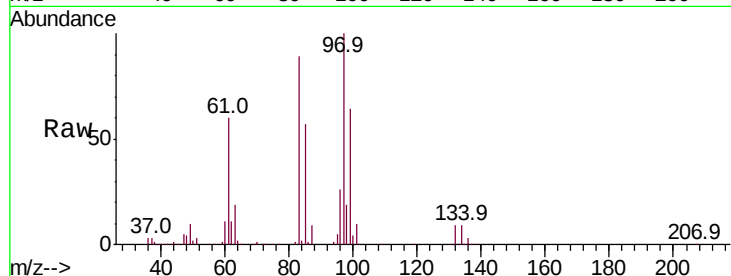


#55
 1,1,2-Trichloroethane
 Concen: 49.137 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 97 Resp: 327773

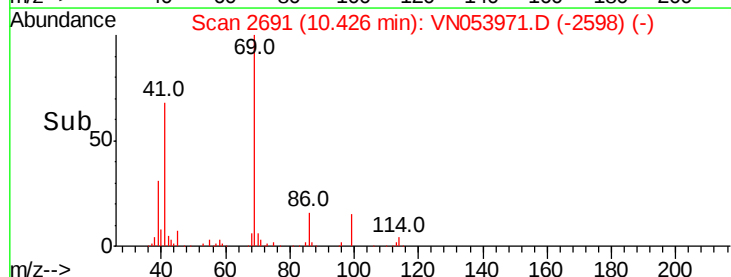
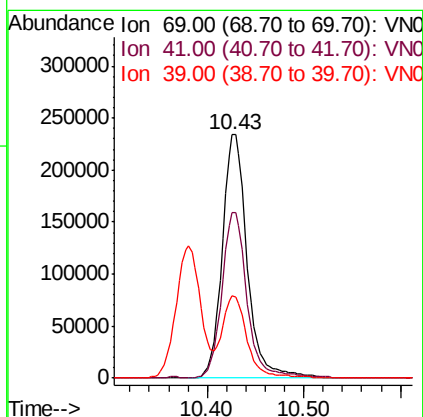
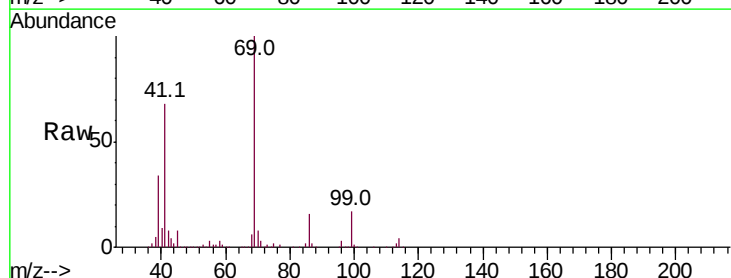
Ion	Ratio	Lower	Upper
97	100		
83	88.7	69.5	104.3
85	57.5	45.9	68.9
99	63.8	49.1	73.7

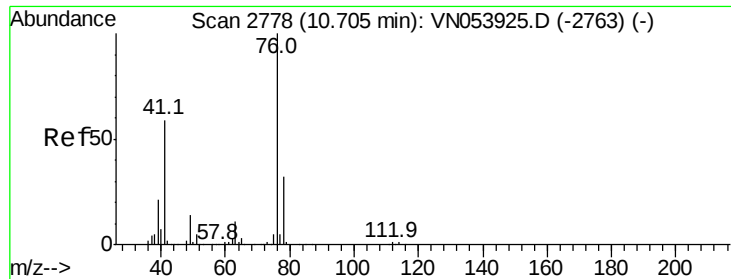


#56
 Ethyl methacrylate
 Concen: 47.928 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Tgt Ion: 69 Resp: 418468

Ion	Ratio	Lower	Upper
69	100		
41	68.2	47.5	71.3
39	33.4	23.4	35.0





#57

1,3-Dichloropropane

Concen: 50.837 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

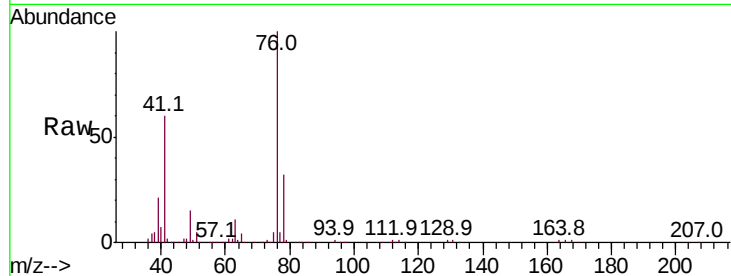
ClientSampleId :

Tot Ion: 76 Resp: 572981

Ion Ratio Lower Upper

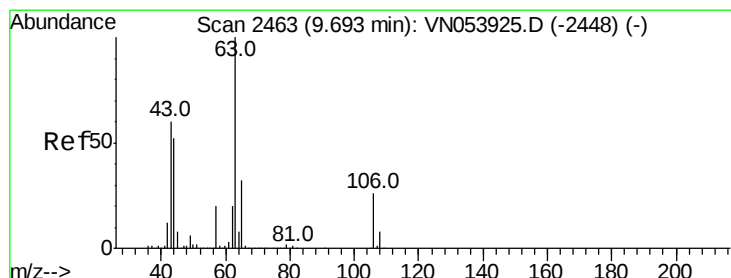
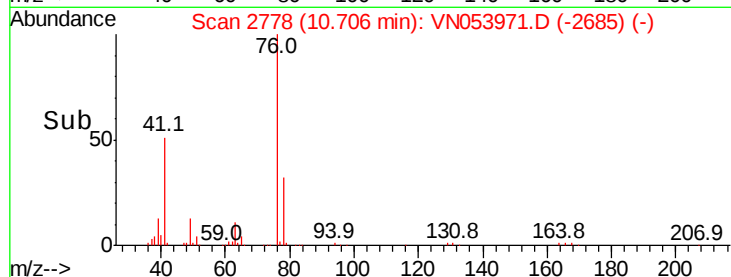
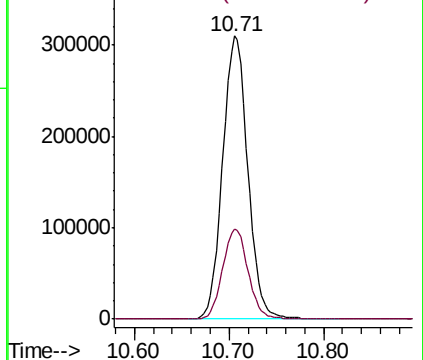
76 100

78 32.2 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#58

2-Chloroethyl Vinyl ether

Concen: 242.029 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053971.D

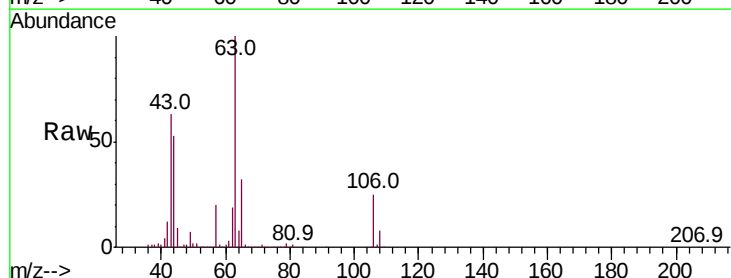
Acq: 27 Feb 2019 16:12

Tgt Ion: 63 Resp: 983710

Ion Ratio Lower Upper

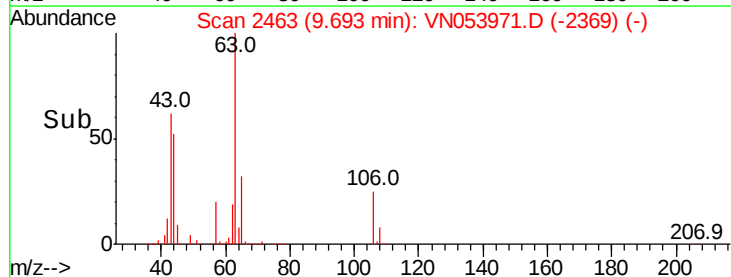
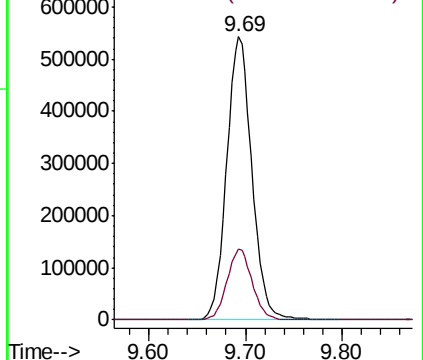
63 100

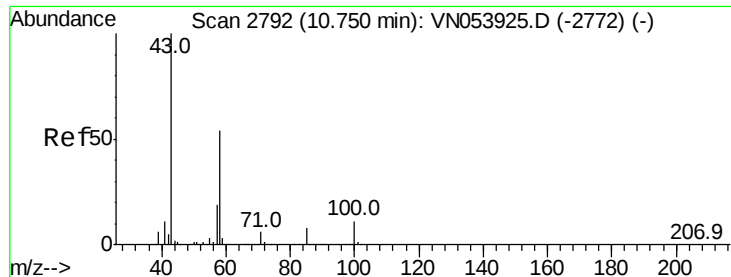
106 24.9 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 105.90 (105.60 to 106.60): V

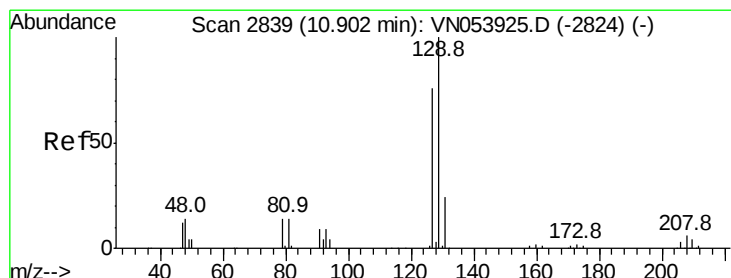
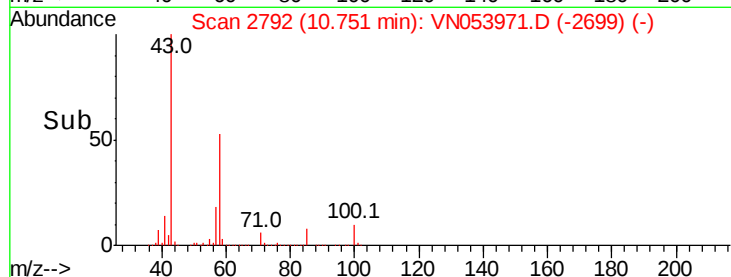
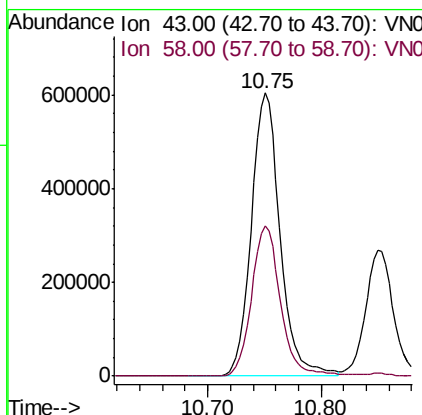
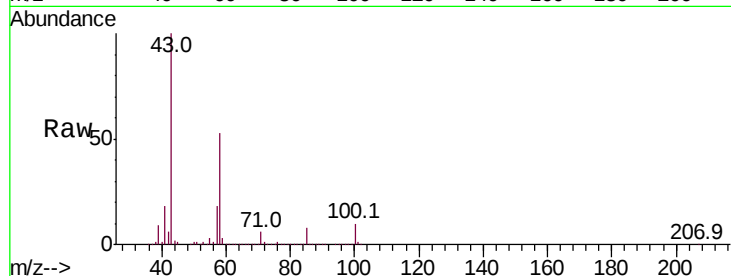




#59
2-Hexanone
Concen: 267.382 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

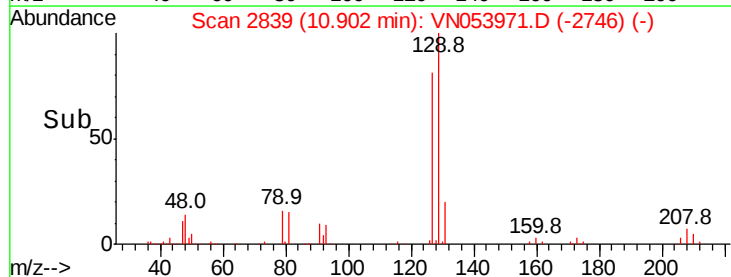
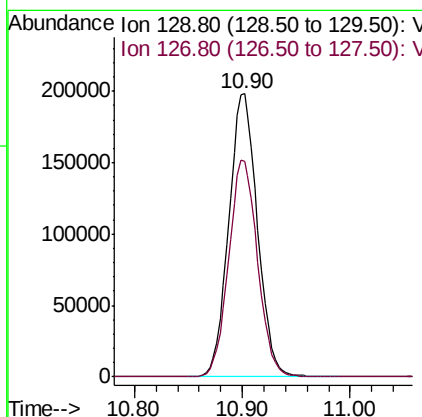
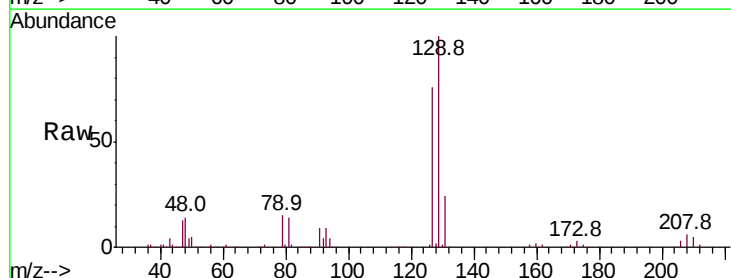
Instrument :
MSVOA_N
ClientSampled :

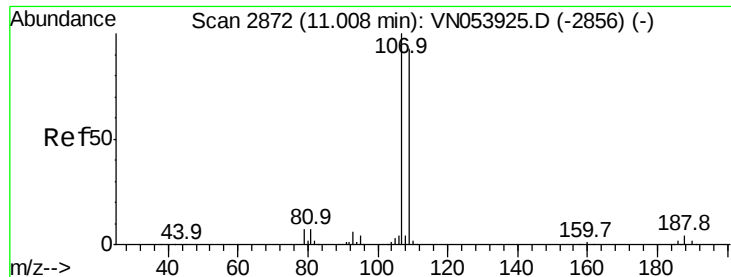
Tot Ion: 43 Resp: 1063792
Ion Ratio Lower Upper
43 100
58 53.6 29.1 87.4



#60
Dibromochloromethane
Concen: 49.534 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion: 129 Resp: 367220
Ion Ratio Lower Upper
129 100
127 77.0 38.8 116.3





#61

1,2-Dibromoethane

Concen: 49.189 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

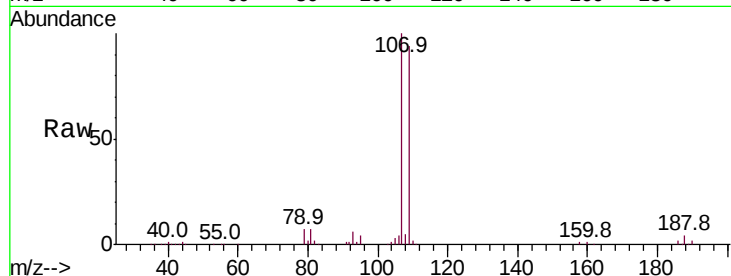
ClientSampleId :

Tot Ion:107 Resp: 316525

Ion Ratio Lower Upper

107 100

109 94.1 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

200000

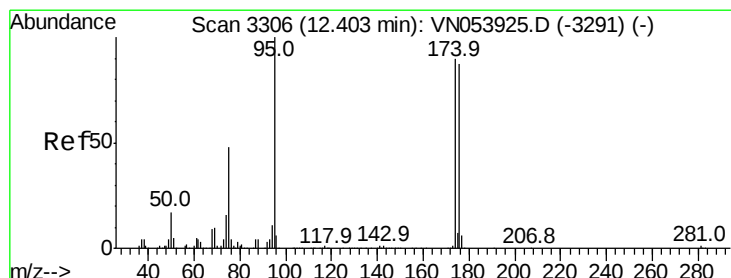
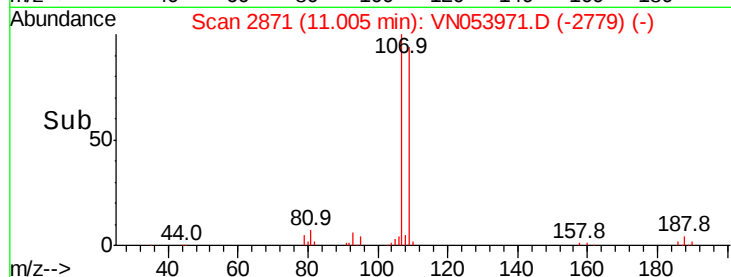
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 49.297 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

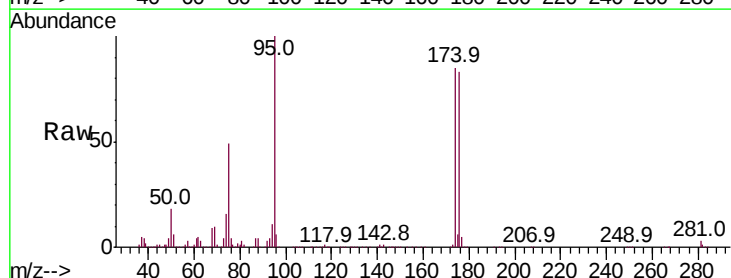
Tgt Ion: 95 Resp: 419794

Ion Ratio Lower Upper

95 100

174 85.1 0.0 188.8

176 83.4 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

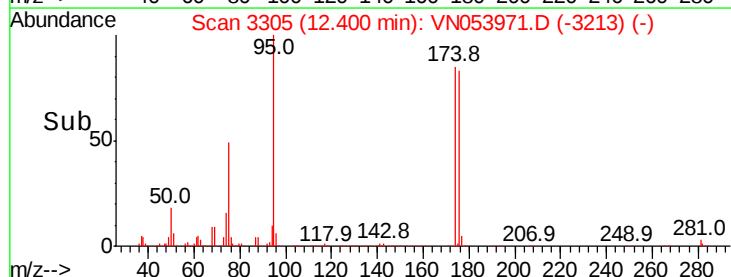
300000

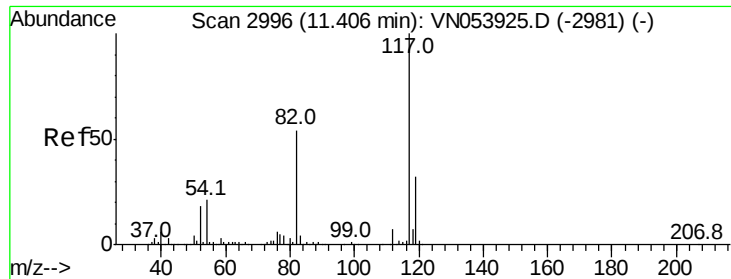
200000

100000

0

Time--> 12.30 12.35 12.40 12.45

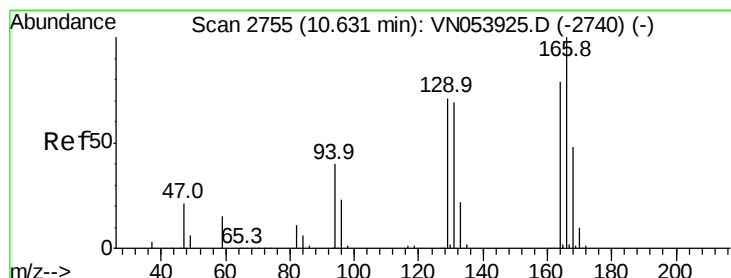
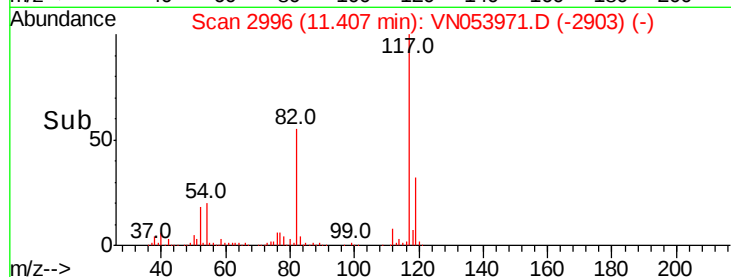
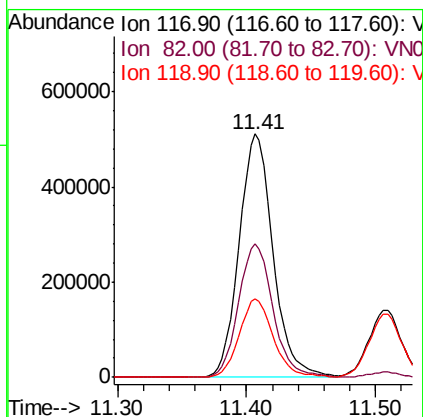
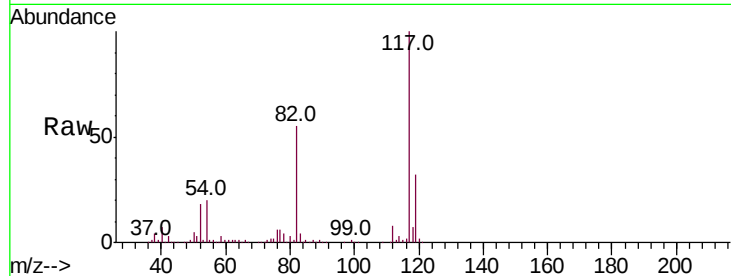




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

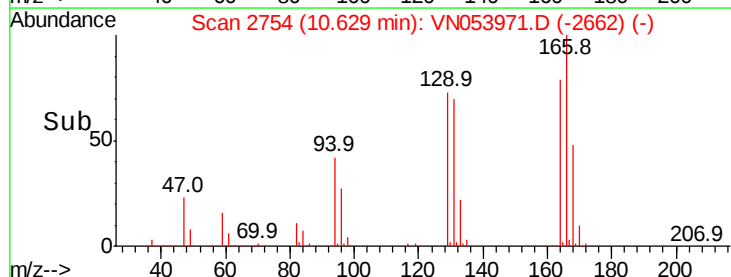
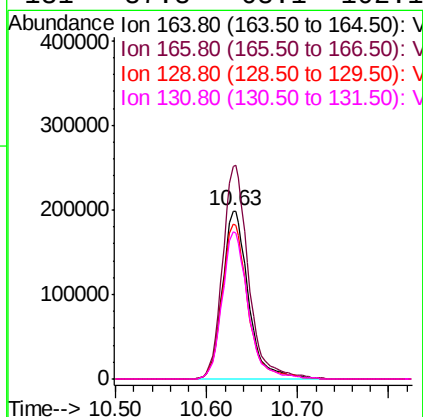
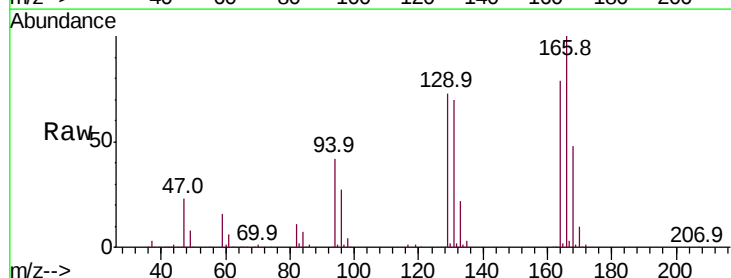
Instrument :
MSVOA_N
ClientSampleId :

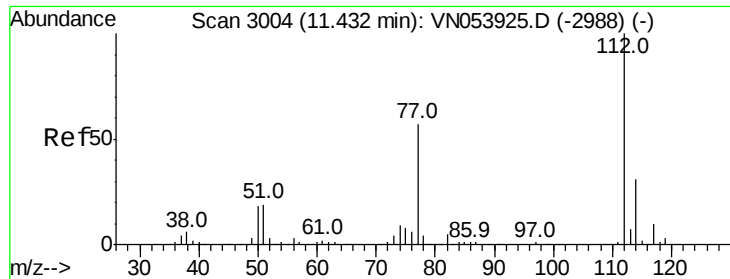
Tot Ion:117 Resp: 938318
Ion Ratio Lower Upper
117 100
82 54.6 41.4 62.2
119 32.3 25.3 37.9



#64
Tetrachloroethene
Concen: 49.421 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion:164 Resp: 392675
Ion Ratio Lower Upper
164 100
166 126.1 102.6 153.8
129 92.3 69.4 104.0
131 87.8 68.1 102.1

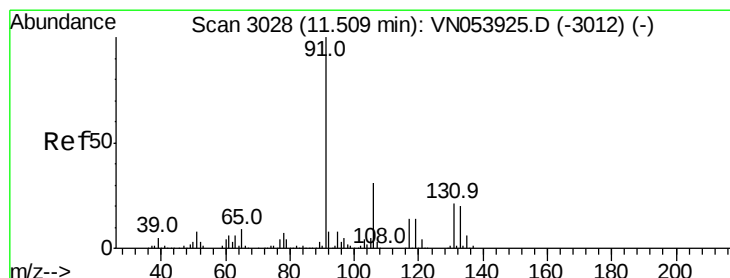
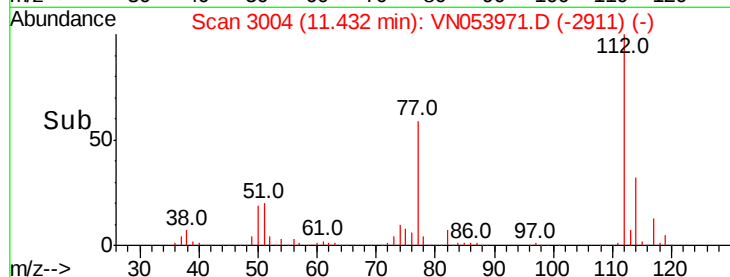
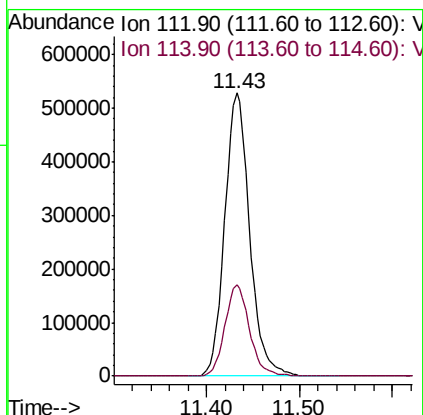
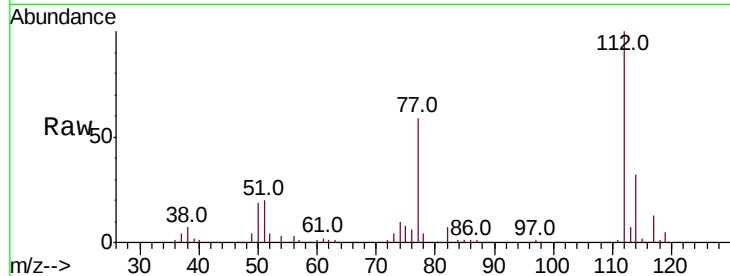




#65
Chlorobenzene
Concen: 49.601 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

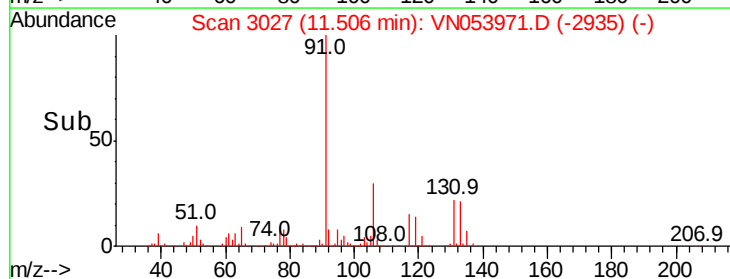
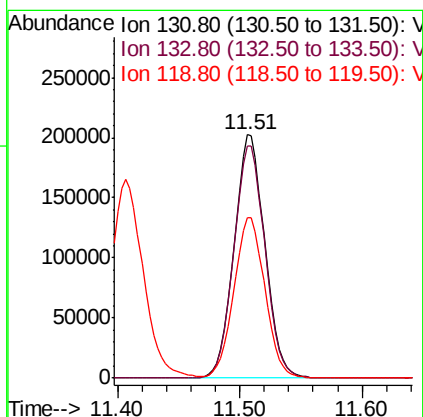
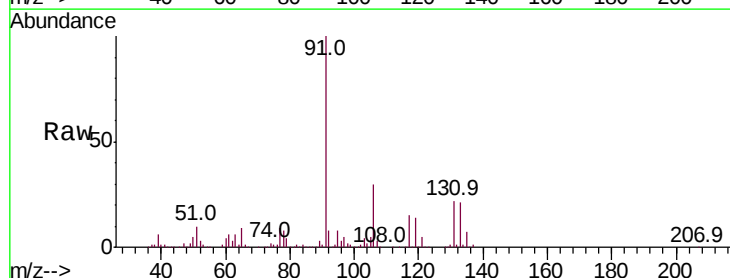
Instrument :
MSVOA_N
ClientSampled :

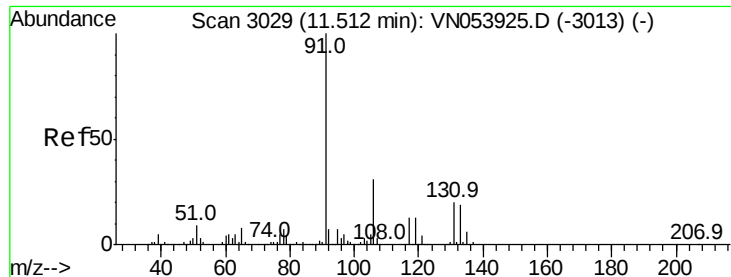
Tot Ion:112 Resp: 982241
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 49.439 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion:131 Resp: 352847
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 66.9 33.1 99.3

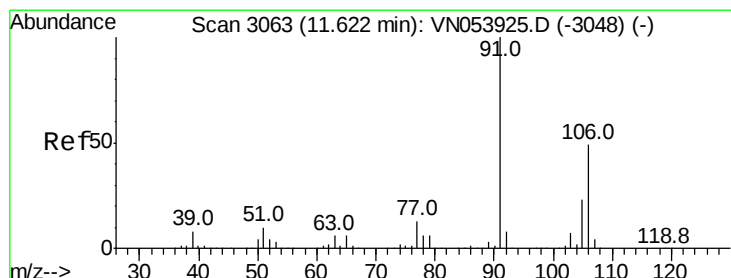
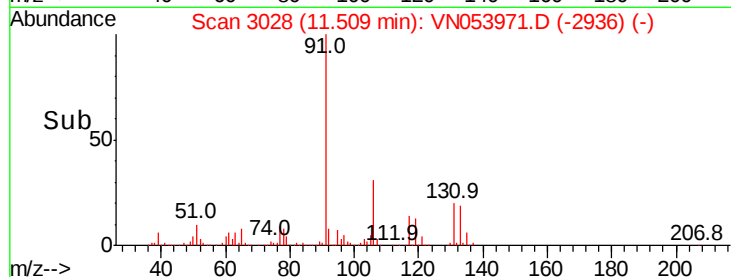
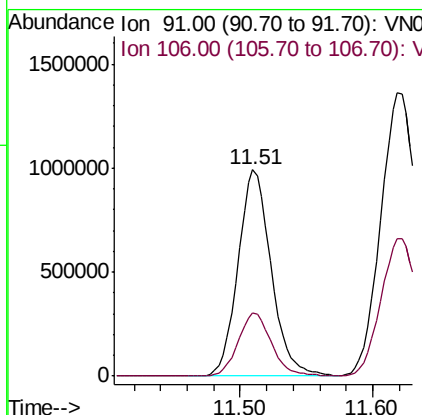
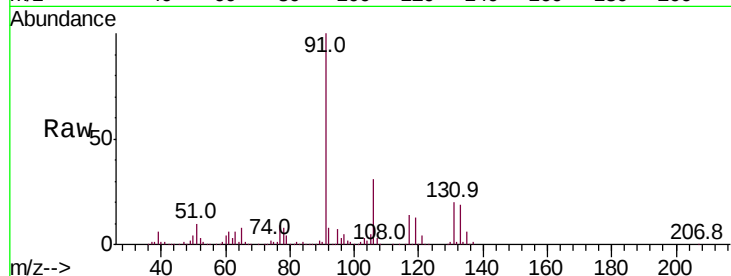




#67
Ethyl Benzene
Concen: 51.977 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

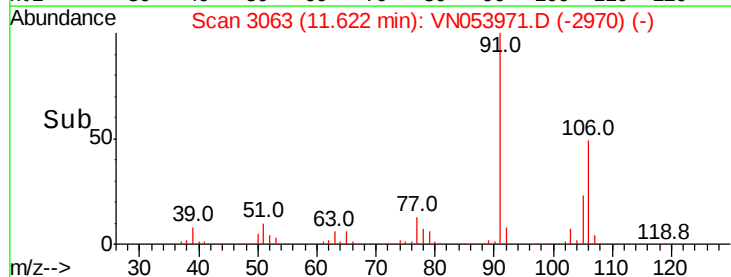
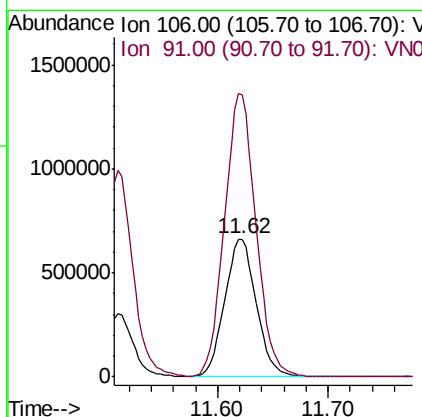
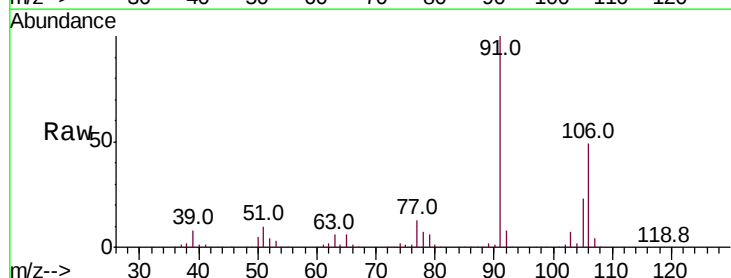
Instrument :
MSVOA_N
ClientSampled :

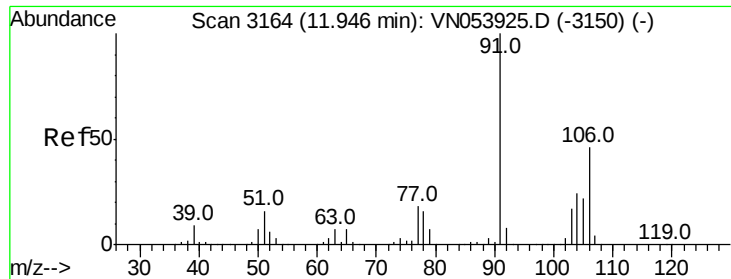
Tot Ion: 91 Resp: 1725534
Ion Ratio Lower Upper
91 100
106 30.5 25.2 37.8



#68
m/p-Xylenes
Concen: 104.816 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion: 106 Resp: 1313316
Ion Ratio Lower Upper
106 100
91 205.2 158.9 238.3

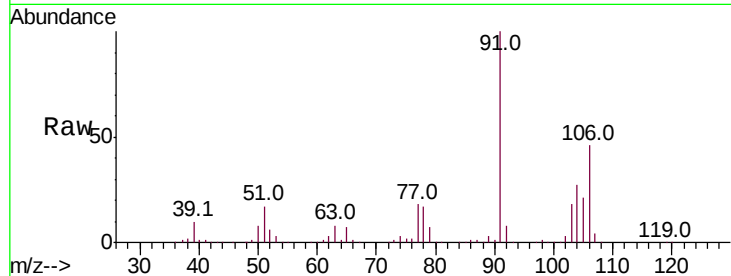




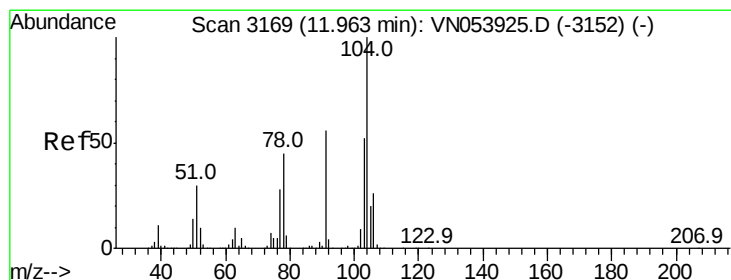
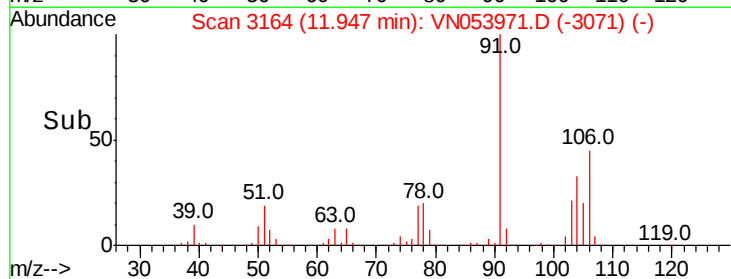
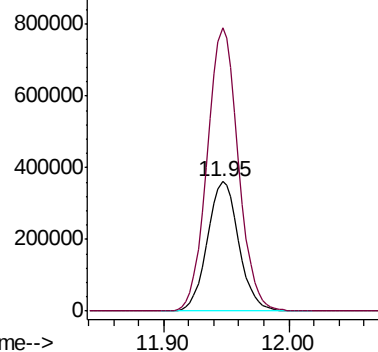
#69
o-Xylene
Concen: 51.110 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 629236
Ion Ratio Lower Upper
106 100
91 216.1 106.0 318.0

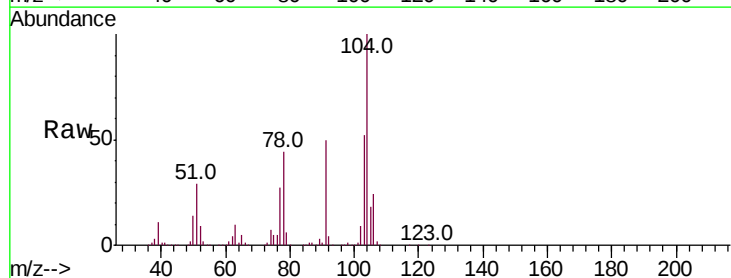


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

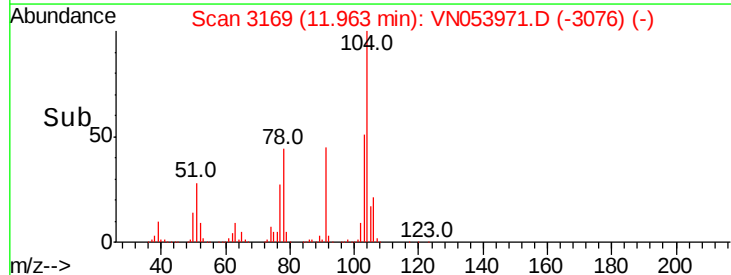
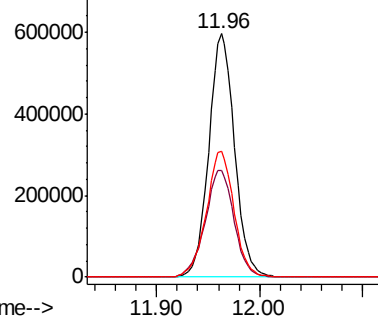


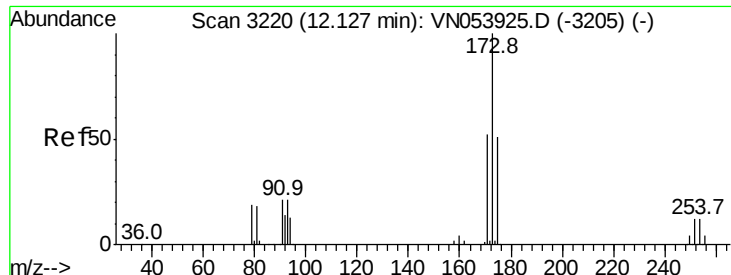
#70
Styrene
Concen: 54.811 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion:104 Resp: 1037916
Ion Ratio Lower Upper
104 100
78 49.0 38.1 57.1
103 55.4 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

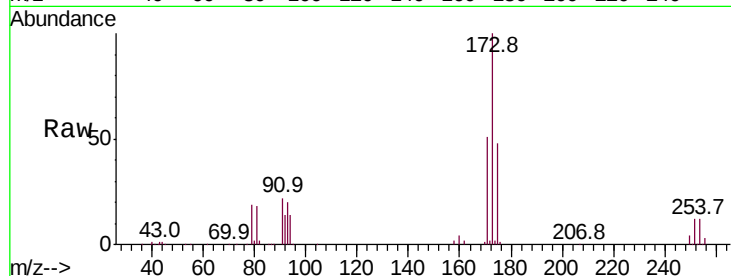




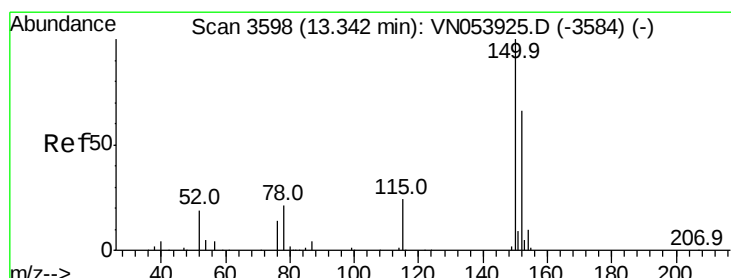
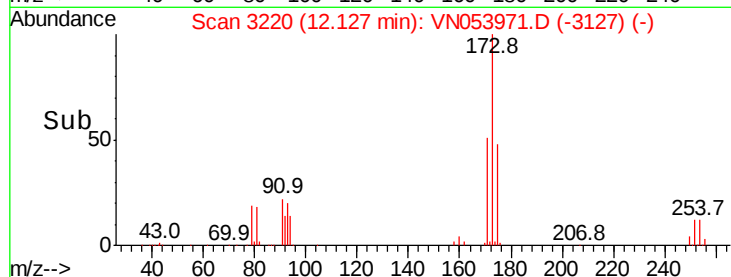
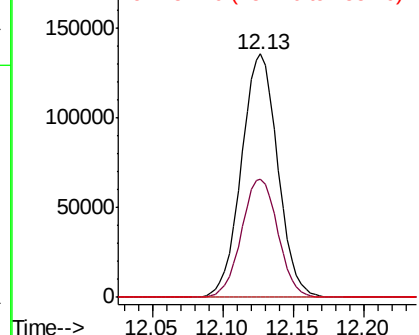
#71
Bromoform
Concen: 49.264 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 244605
Ion Ratio Lower Upper
173 100
175 48.6 24.3 72.8
254 0.1 0.2 0.2#

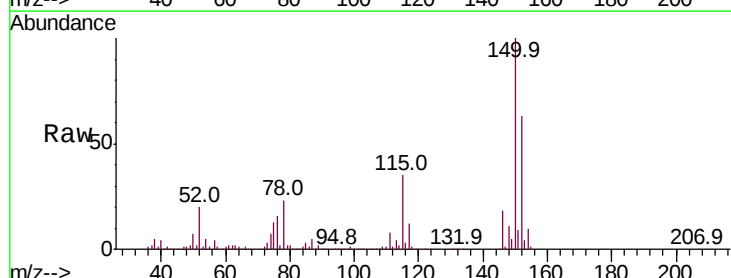


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

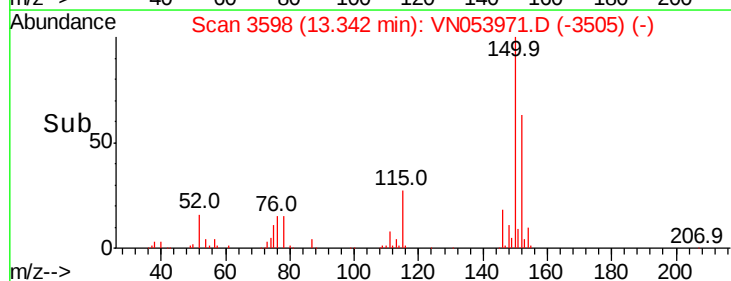
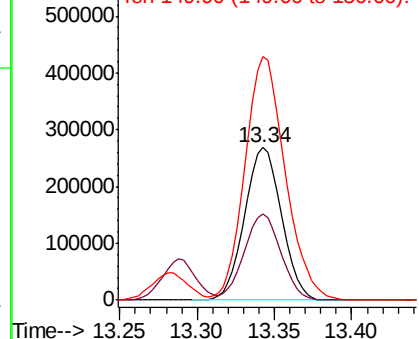


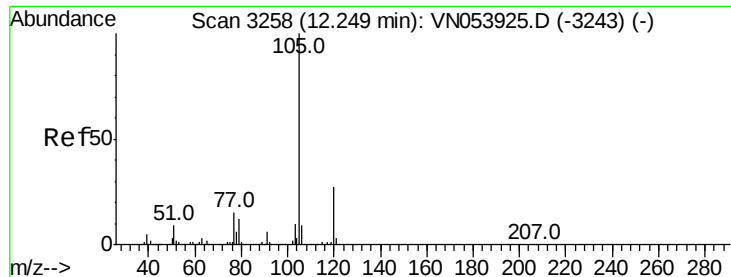
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion:152 Resp: 445772
Ion Ratio Lower Upper
152 100
115 56.1 27.2 81.6
150 174.2 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: 48.123 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

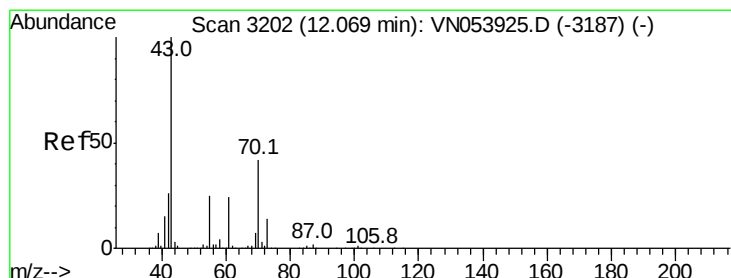
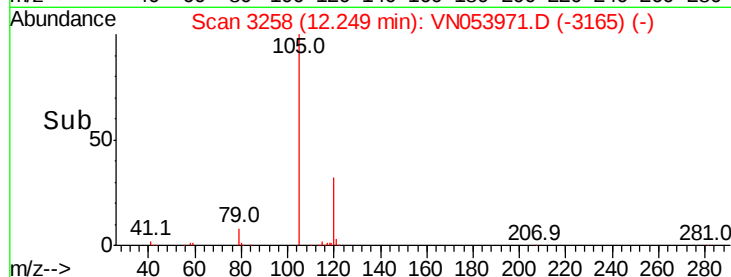
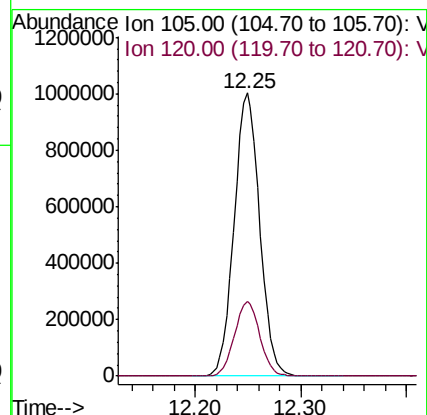
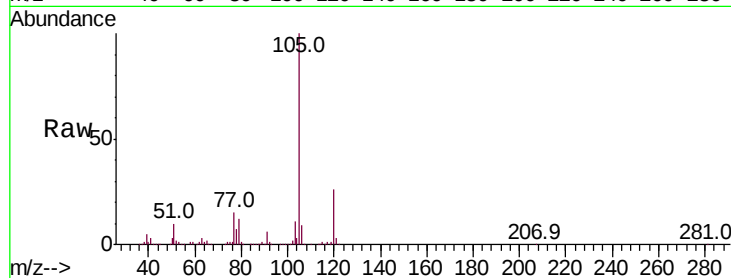
ClientSampled :

Tot Ion:105 Resp: 1669881

Ion Ratio Lower Upper

105 100

120 26.3 13.5 40.5



#74

N-ethyl acetate

Concen: 51.618 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Tgt Ion: 43 Resp: 469455

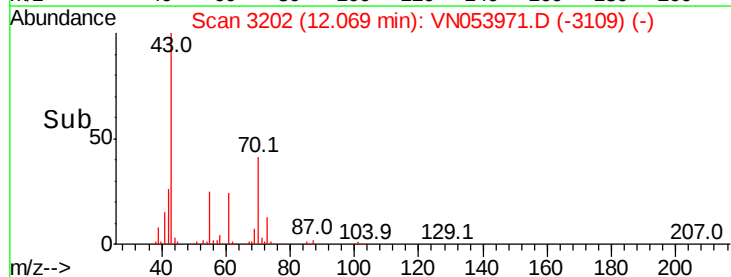
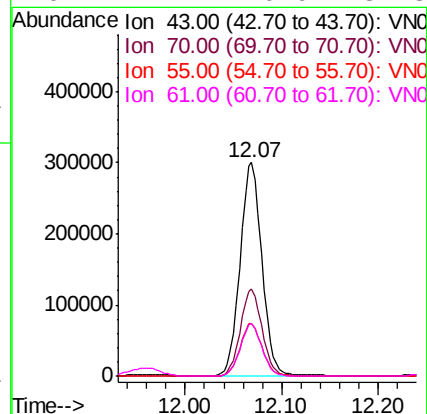
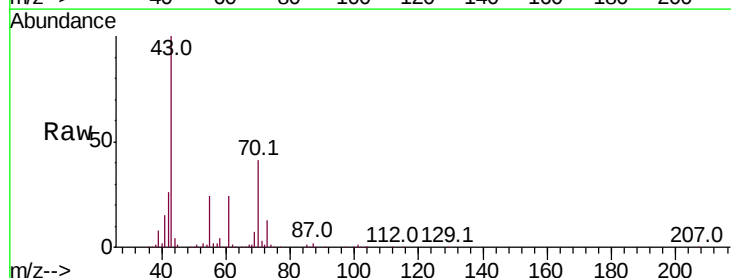
Ion Ratio Lower Upper

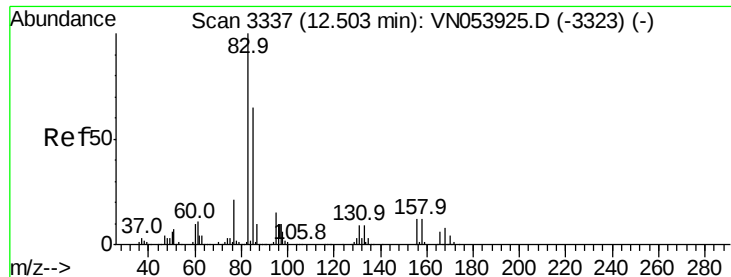
43 100

70 40.6 37.4 56.2

55 25.0 21.4 32.0

61 24.2 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 45.390 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

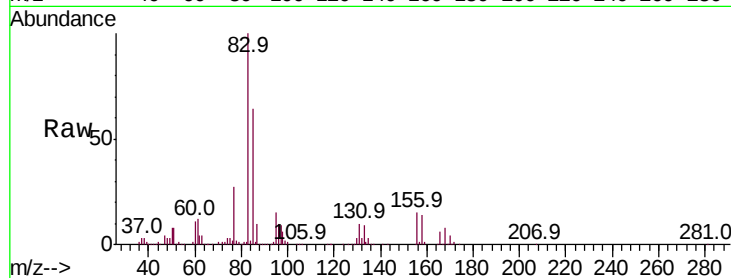
Tot Ion: 83 Resp: 393867

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	16.1
85	64.4	31.9	95.9

83 100

131 10.2 5.3 16.1

85 64.4 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

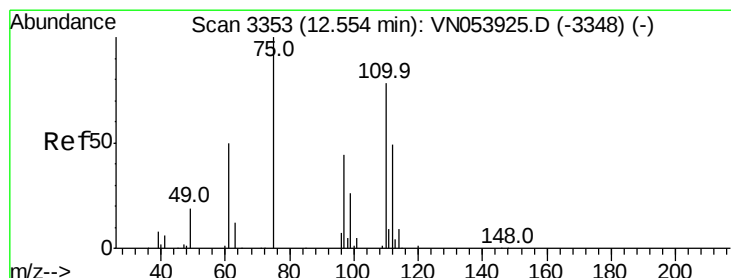
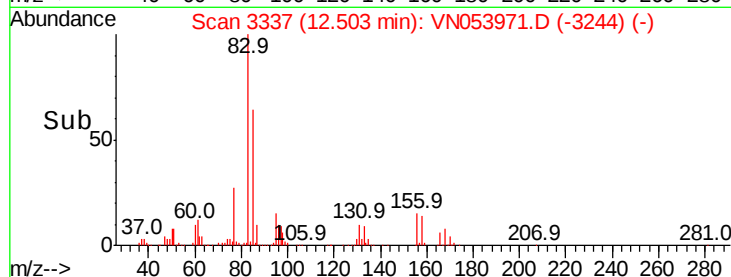
Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

Time-->

12.50

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 69.806 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053971.D

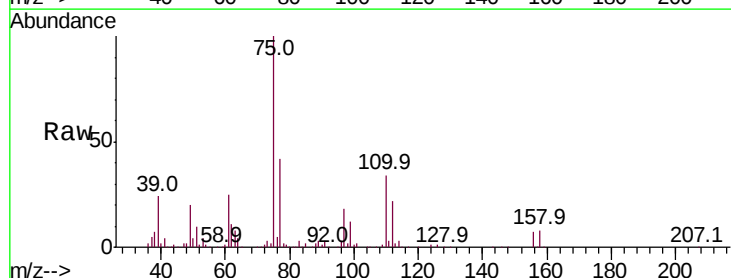
Acq: 27 Feb 2019 16:12

Tgt Ion: 75 Resp: 499178

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



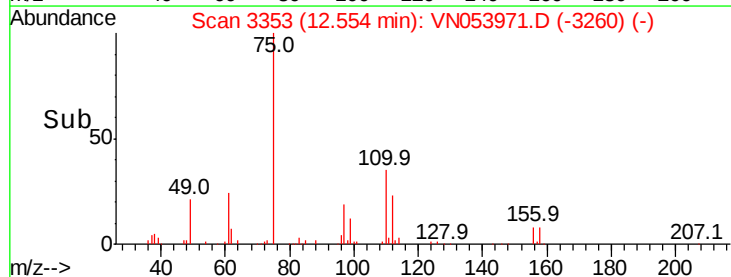
Abundance Ion 74.90 (74.60 to 75.60): VN0

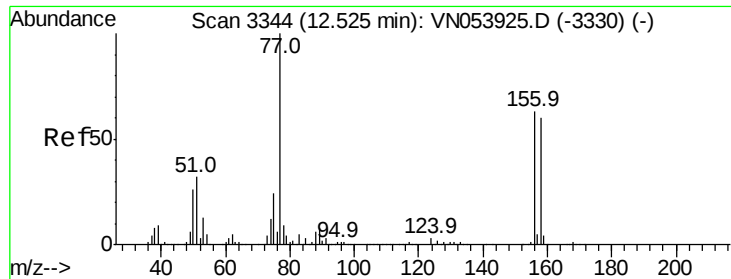
Ion 77.00 (76.70 to 77.70): VN0

Time-->

12.55

12.50 12.55 12.60





#77

Bromobenzene

Concen: 47.096 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

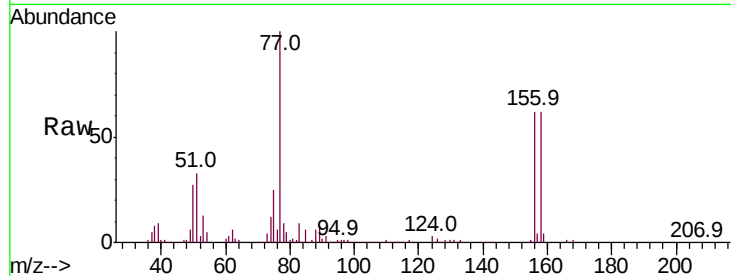
Tot Ion:156 Resp: 414926

Ion Ratio Lower Upper

156 100

77 189.2 84.0 252.2

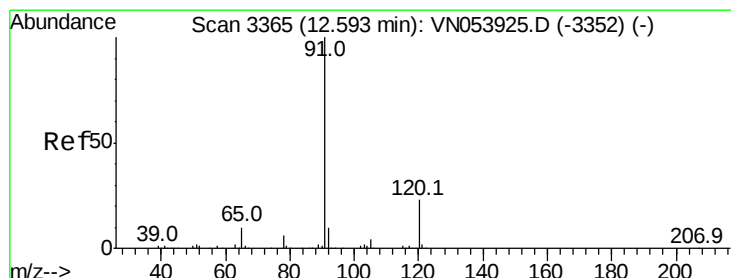
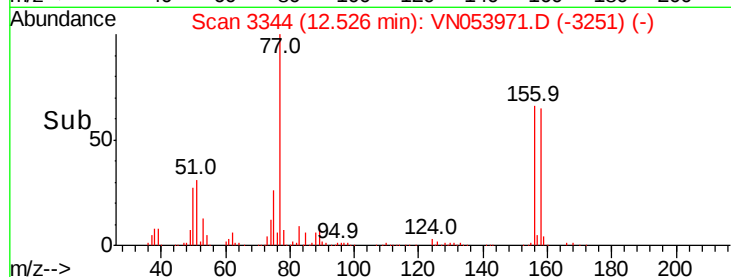
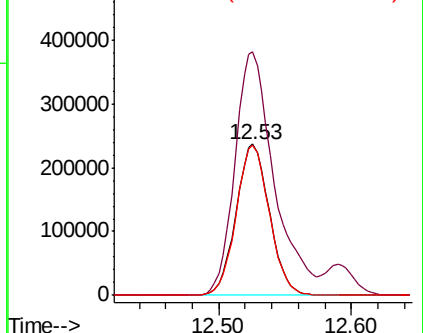
158 98.4 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.640 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053971.D

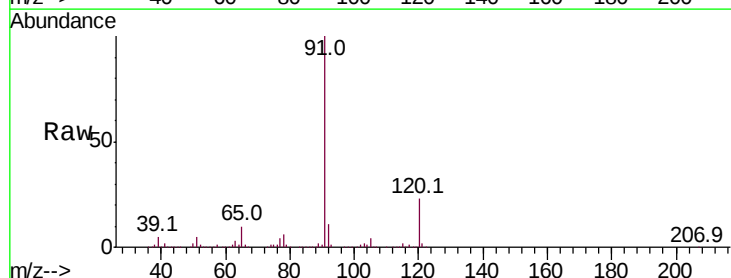
Acq: 27 Feb 2019 16:12

Tgt Ion: 91 Resp: 1998424

Ion Ratio Lower Upper

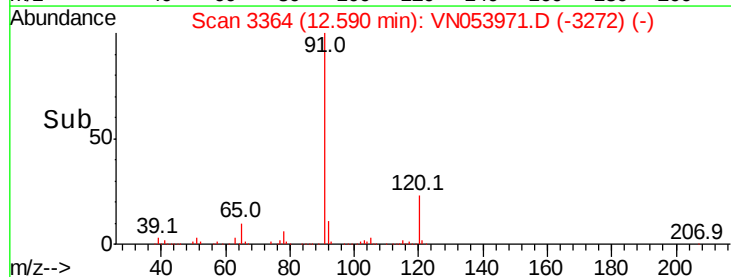
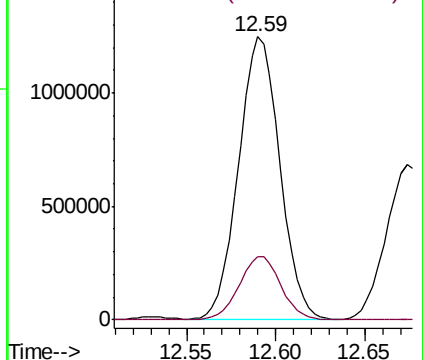
91 100

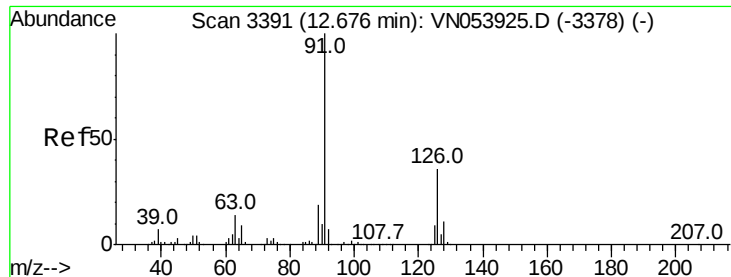
120 22.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.029 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

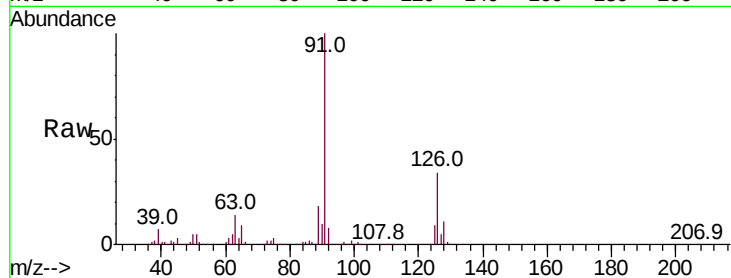
ClientSampleId :

Tot Ion: 91 Resp: 1162297

Ion Ratio Lower Upper

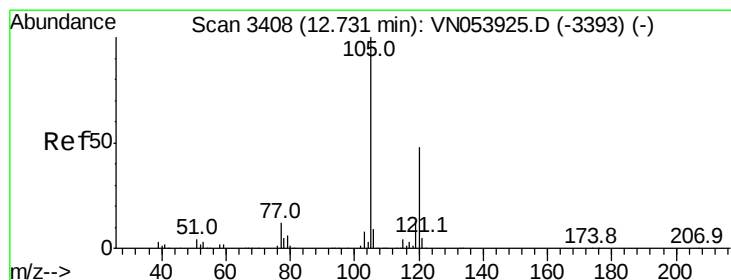
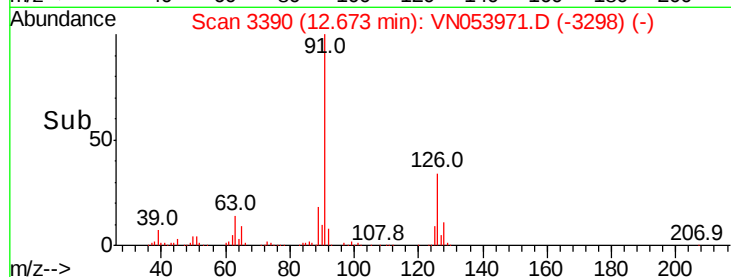
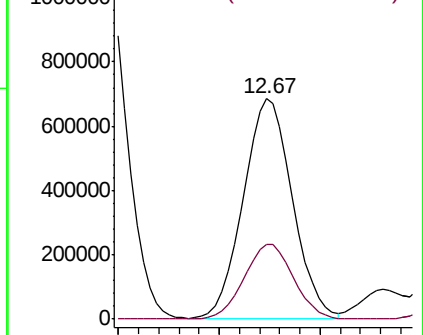
91 100

126 34.4 18.1 54.4



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

Ion 125.90 (125.60 to 126.60): VN053925.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.835 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053971.D

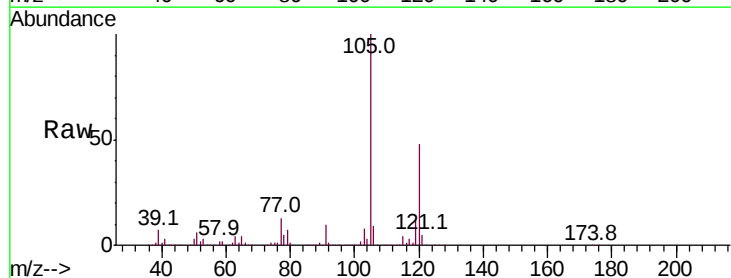
Acq: 27 Feb 2019 16:12

Tgt Ion:105 Resp: 1444121

Ion Ratio Lower Upper

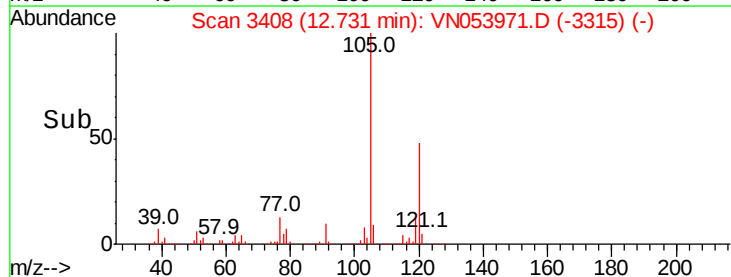
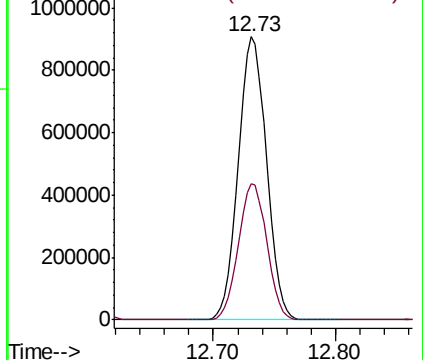
105 100

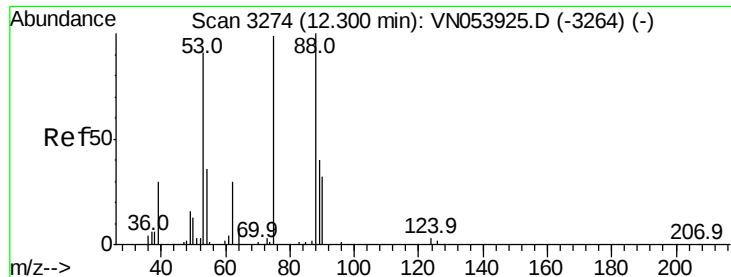
120 48.4 25.1 75.2



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

Ion 120.00 (119.70 to 120.70): VN053925.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.896 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

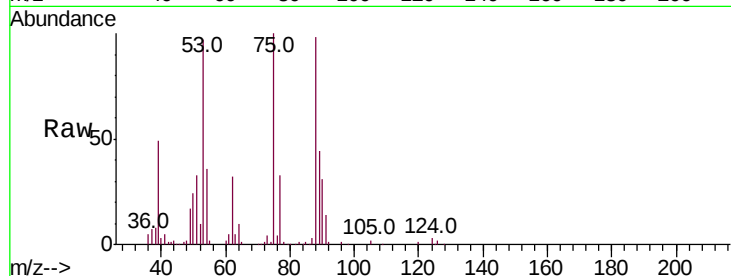
Tot Ion: 75 Resp: 106102

Ion Ratio Lower Upper

75 100

53 98.1 68.6 102.8

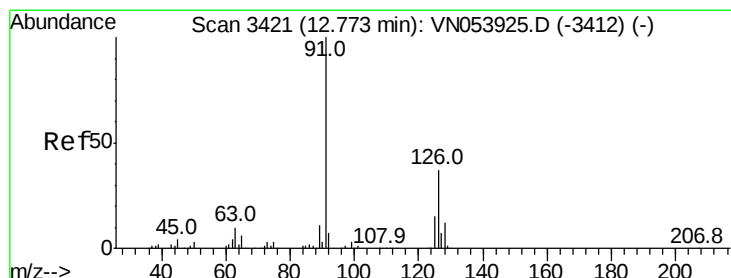
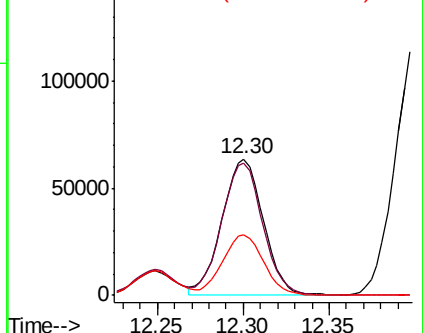
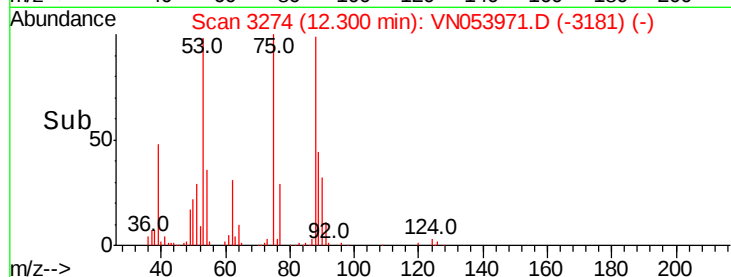
89 44.6 35.3 52.9



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: 50.459 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN053971.D

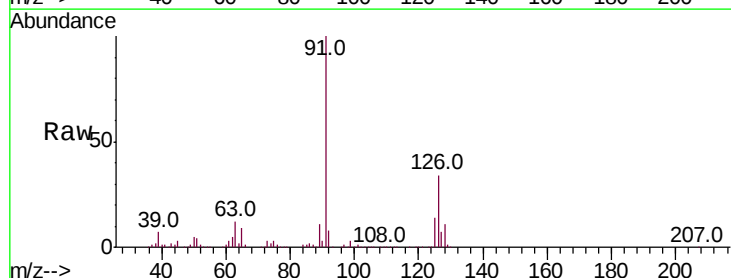
Acq: 27 Feb 2019 16:12

Tgt Ion: 91 Resp: 1182252

Ion Ratio Lower Upper

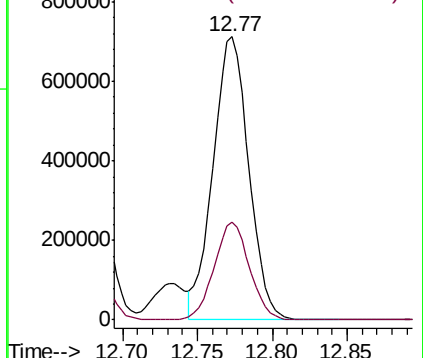
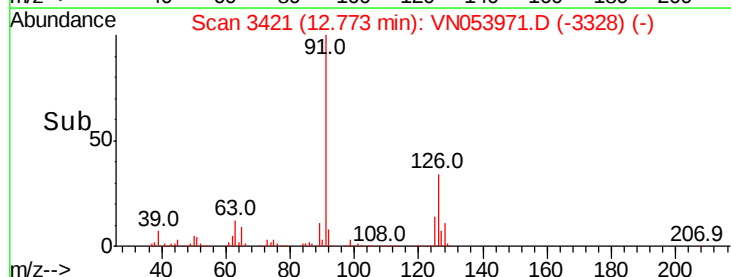
91 100

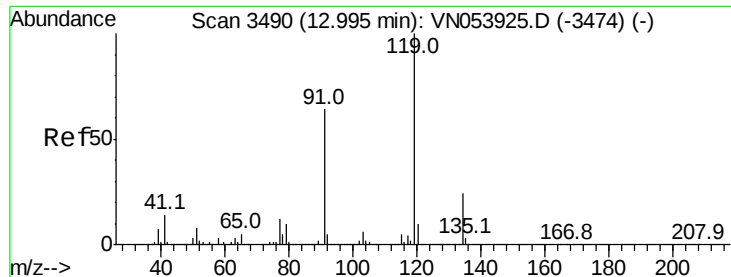
126 34.0 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 48.611 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

ClientSampled :

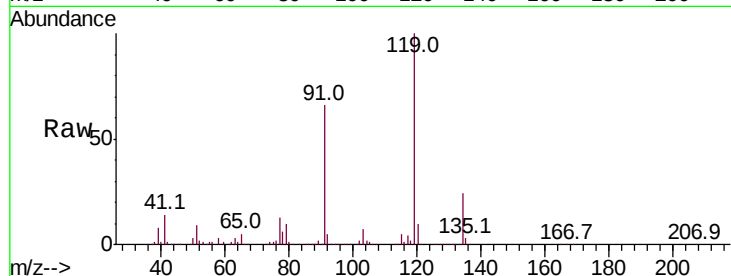
Tot Ion:119 Resp: 1221371

Ion Ratio Lower Upper

119 100

91 65.0 30.6 91.8

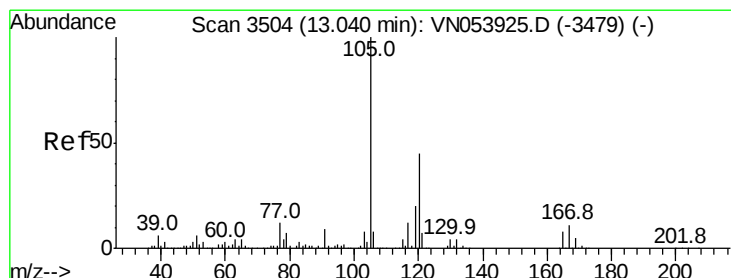
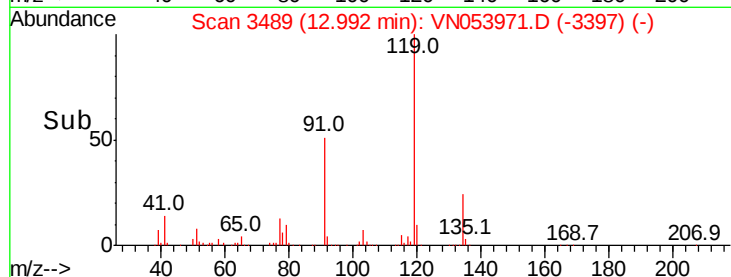
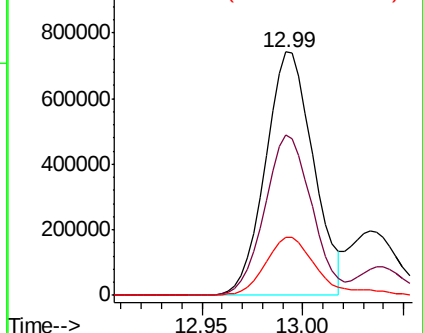
134 26.0 13.0 39.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.482 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053971.D

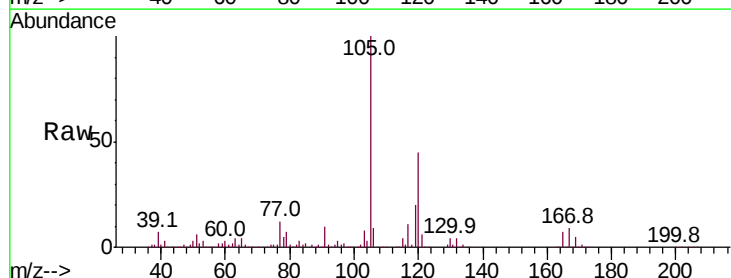
Acq: 27 Feb 2019 16:12

Tgt Ion:105 Resp: 1460079

Ion Ratio Lower Upper

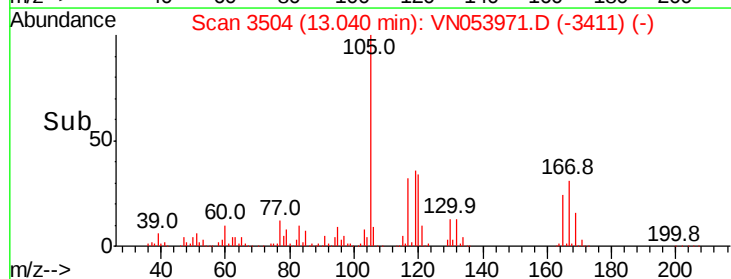
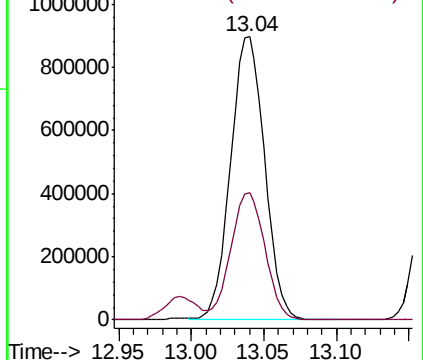
105 100

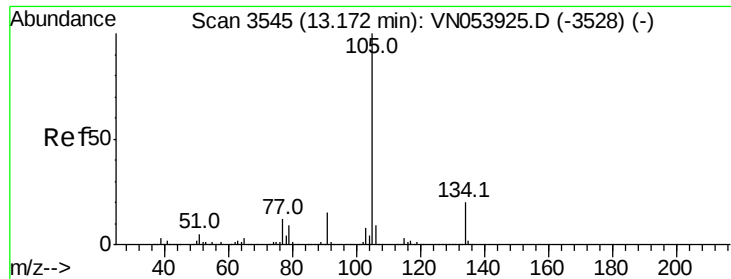
120 45.0 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 50.173 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

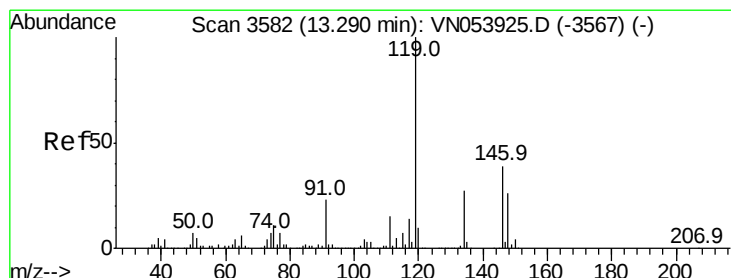
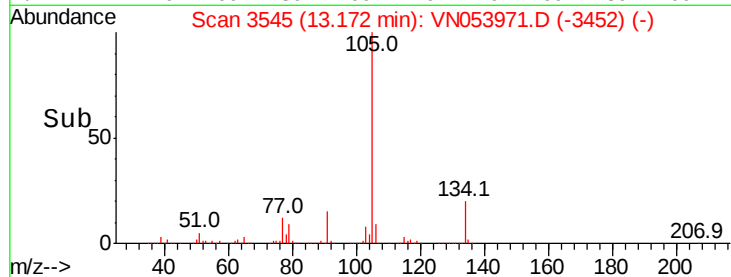
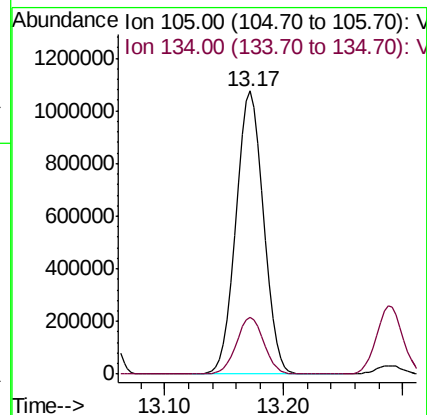
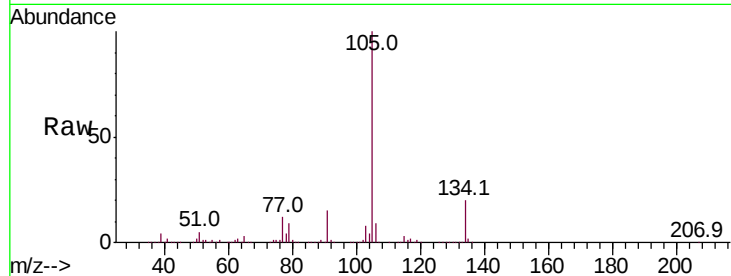
ClientSampled :

Tot Ion:105 Resp: 1721752

Ion Ratio Lower Upper

105 100

134 20.1 10.4 31.1



#86

p-Isopropyltoluene

Concen: 51.397 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

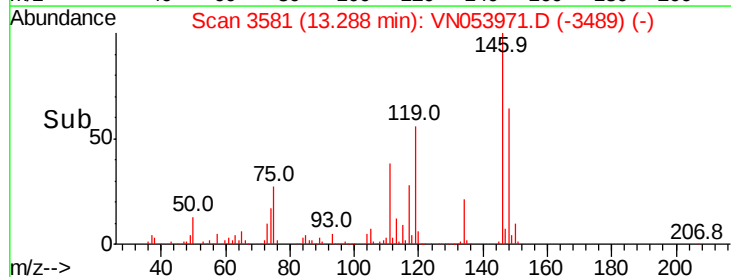
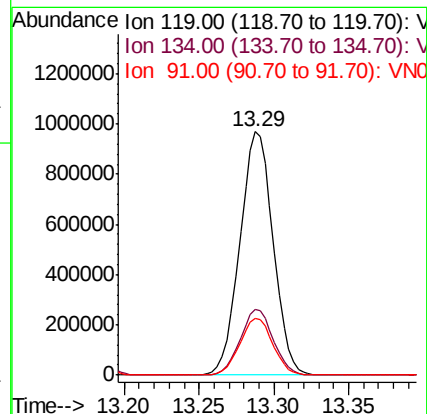
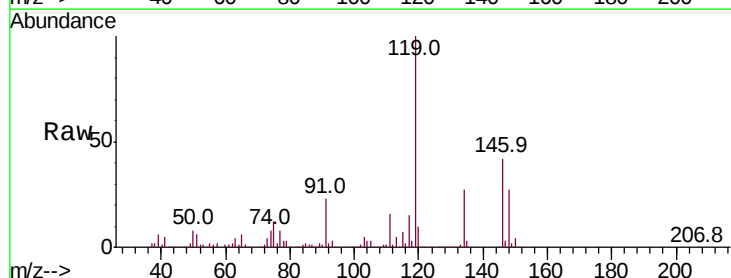
Tgt Ion:119 Resp: 1491065

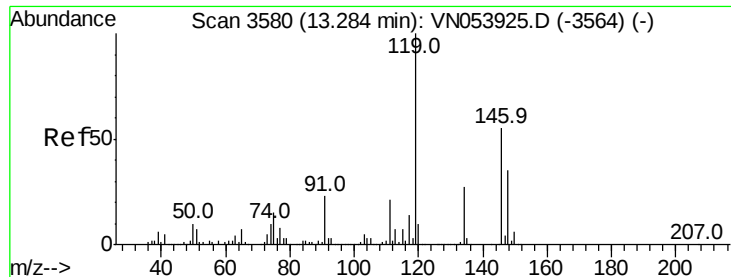
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.2 10.9 32.6

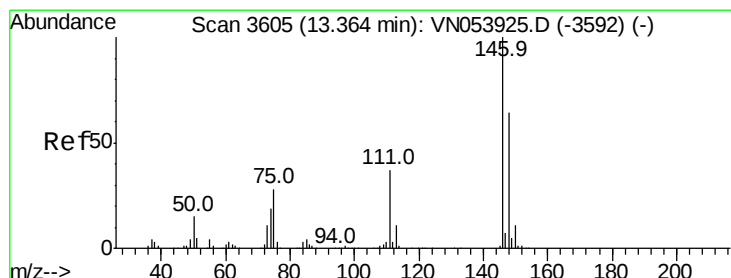
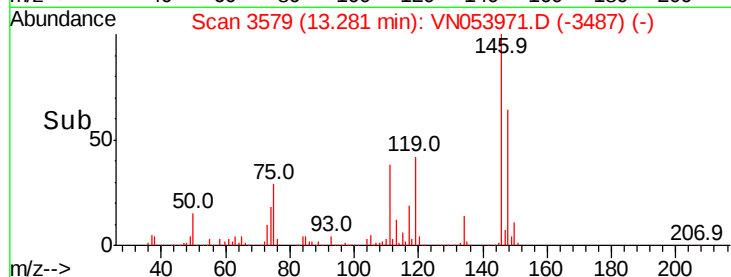
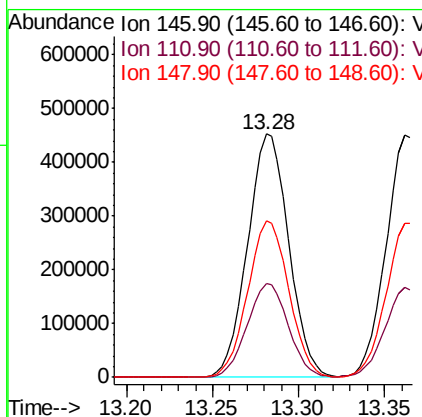
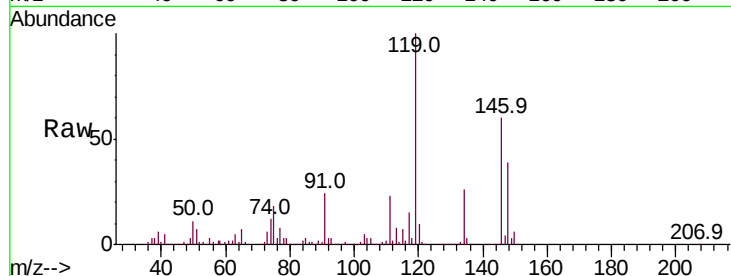




#87
 1,3-Dichlorobenzene
 Concen: 49.263 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

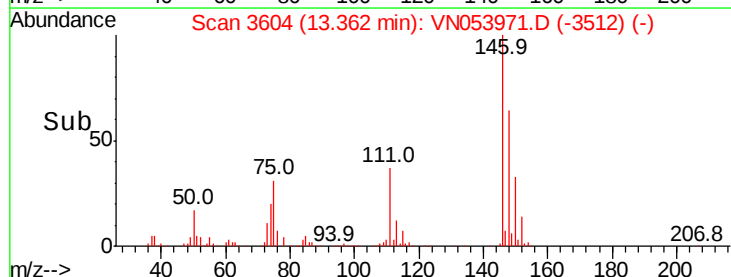
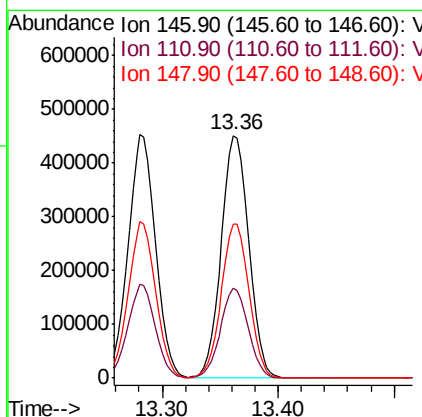
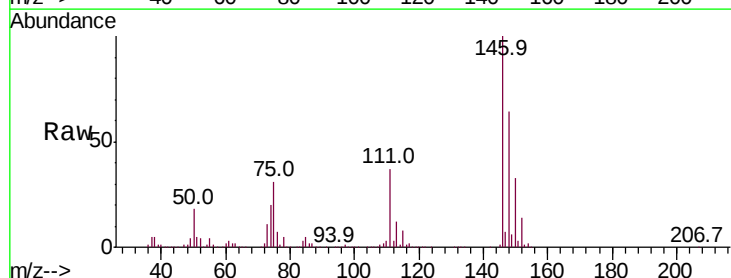
Instrument :
 MSVOA_N
 ClientSampleId :

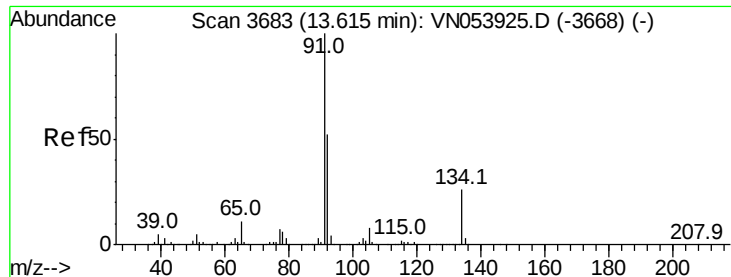
Tot Ion:146 Resp: 750803
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.7 56.1
 148 64.3 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 50.256 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Tgt Ion:146 Resp: 743100
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.0 54.0
 148 63.8 32.1 96.5

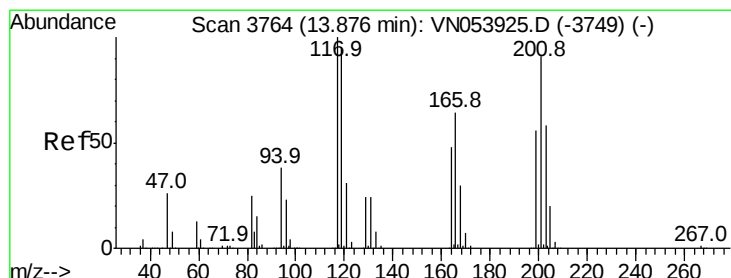
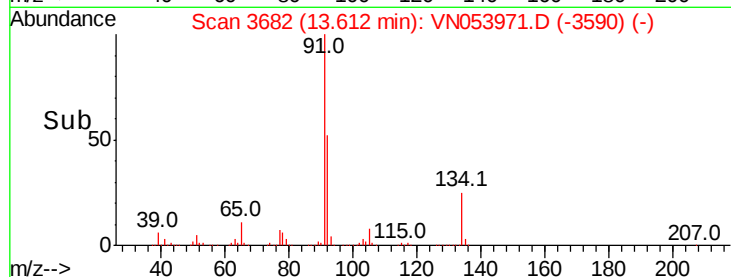
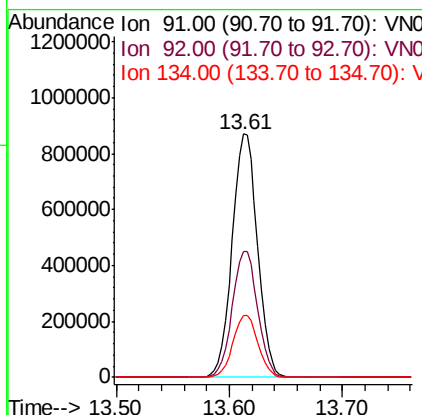
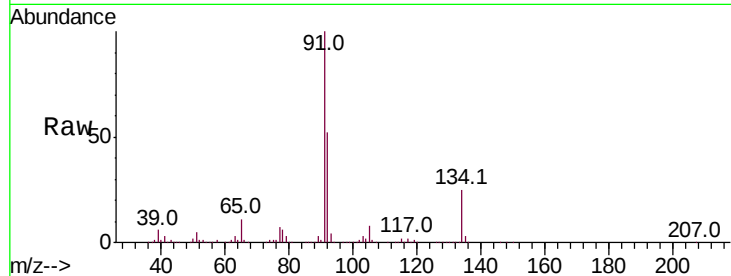




#89
n-Butylbenzene
Concen: 55.212 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

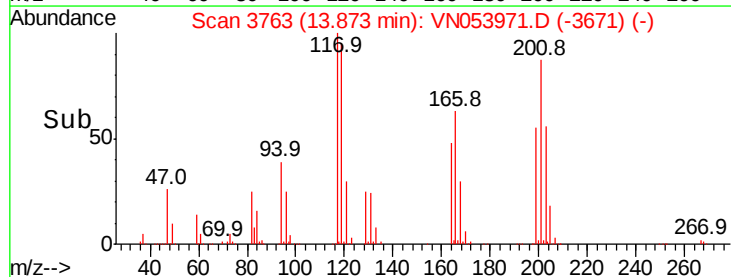
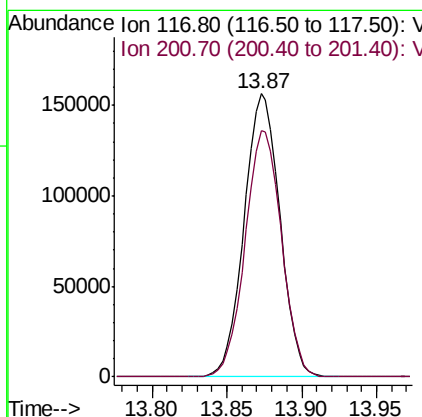
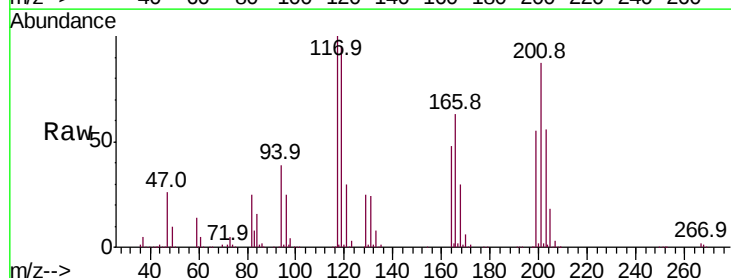
Instrument :
MSVOA_N
ClientSampled :

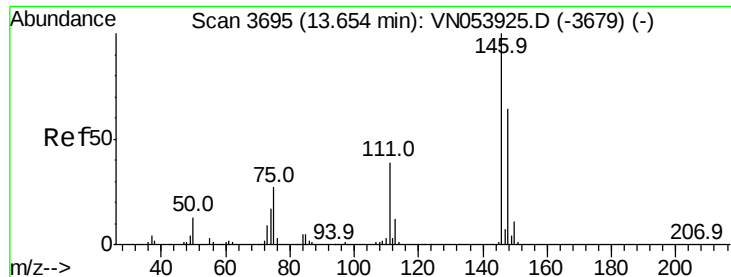
Tot Ion: 91 Resp: 1349876
Ion Ratio Lower Upper
91 100
92 52.0 26.1 78.2
134 25.4 13.6 40.8



#90
Hexachloroethane
Concen: 46.465 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053971.D
Acq: 27 Feb 2019 16:12

Tgt Ion: 117 Resp: 261210
Ion Ratio Lower Upper
117 100
201 88.3 48.0 144.2





#91

1,2-Dichlorobenzene

Concen: 49.070 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Instrument :

MSVOA_N

ClientSampleId :

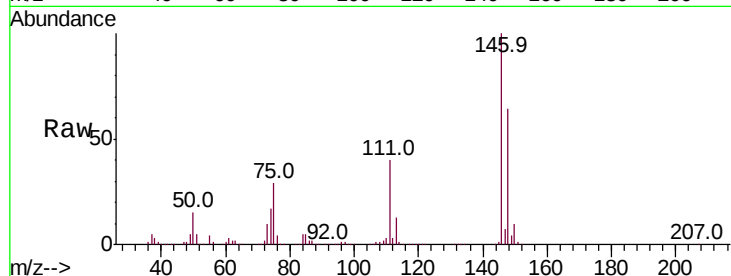
Tot Ion:146 Resp: 723942

Ion Ratio Lower Upper

146 100

111 39.7 19.1 57.5

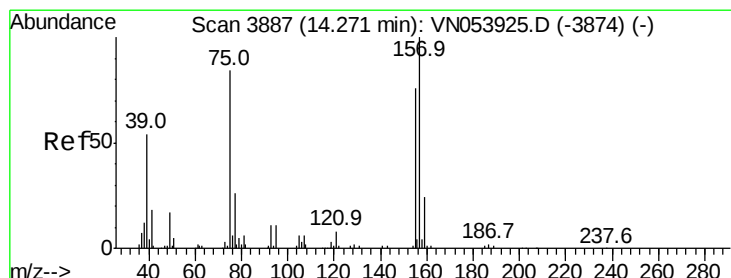
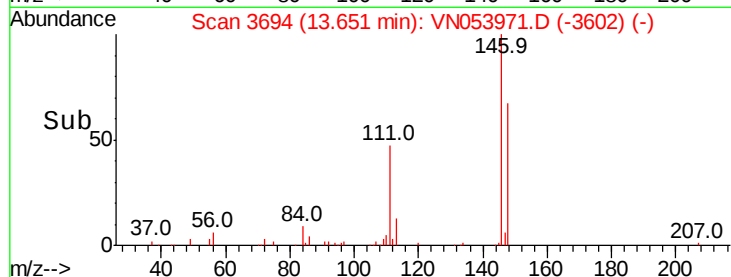
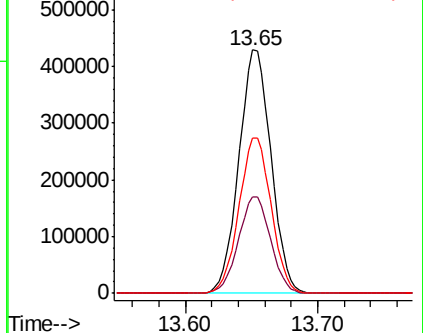
148 64.0 32.1 96.5



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: 47.266 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

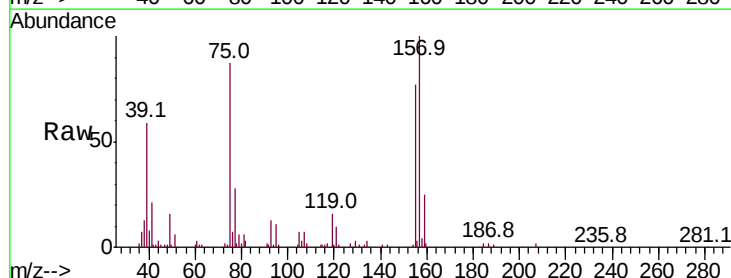
Tgt Ion: 75 Resp: 57960

Ion Ratio Lower Upper

75 100

155 88.7 49.5 148.5

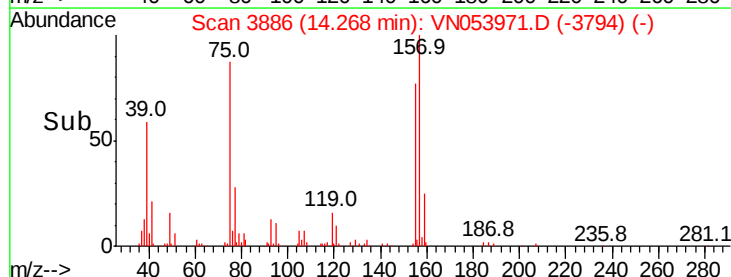
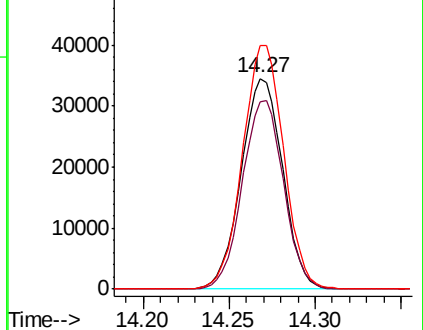
157 114.5 64.8 194.6

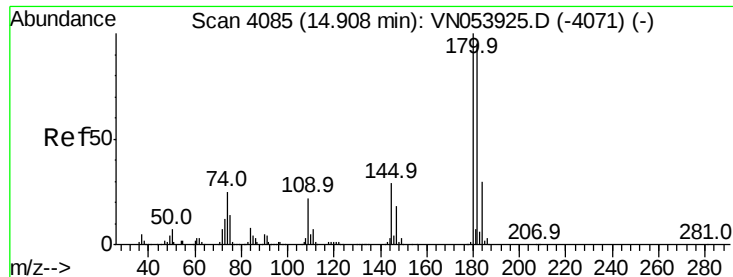


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

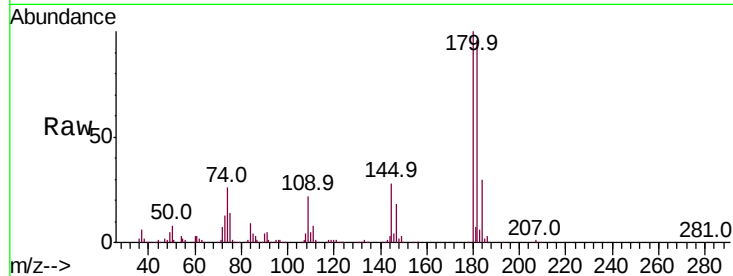




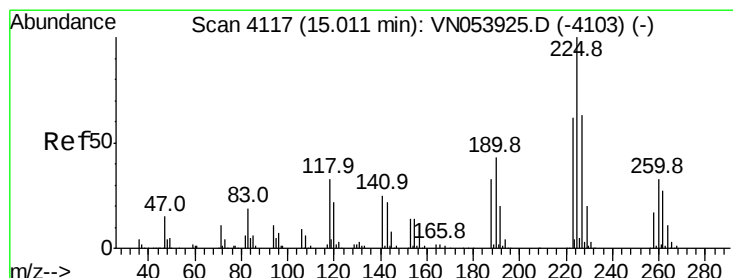
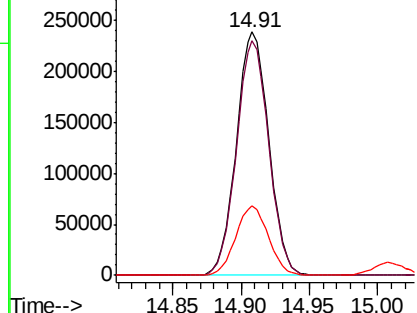
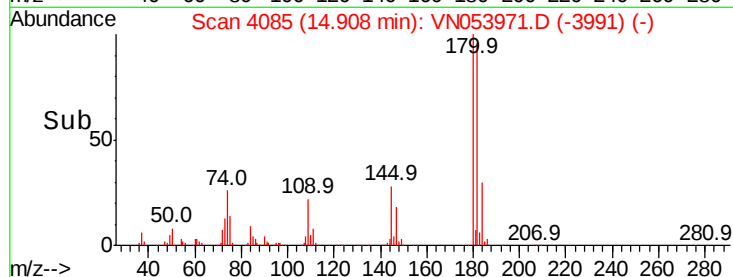
#93
 1,2,4-Trichlorobenzene
 Concen: 48.119 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 393543
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.6 145.9
 145 28.8 13.8 41.3

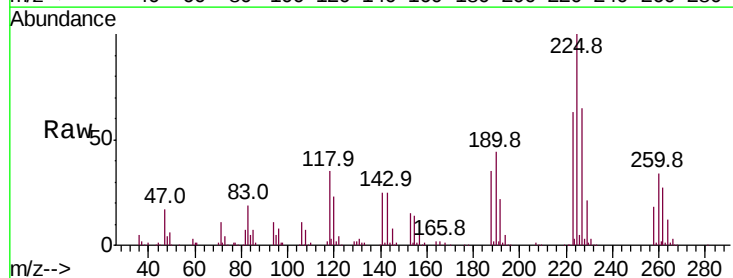


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

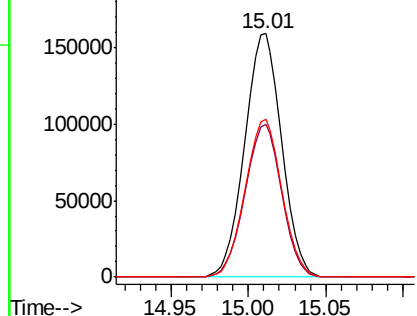
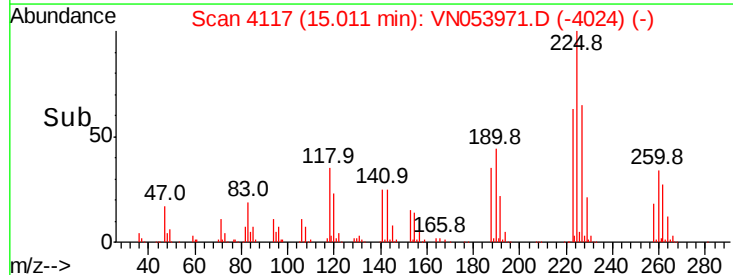


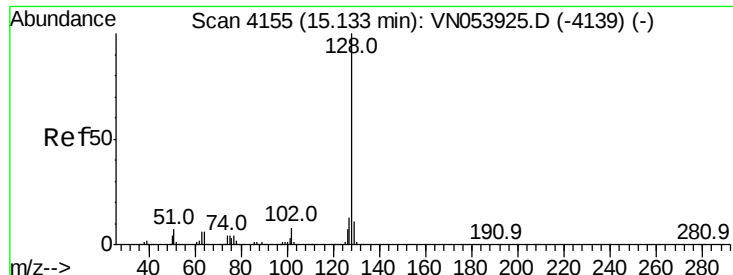
#94
 Hexachlorobutadiene
 Concen: 49.650 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053971.D
 Acq: 27 Feb 2019 16:12

Tgt Ion:225 Resp: 264600
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.9 92.5
 227 64.3 32.5 97.4



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





#95

Naphthalene

Concen: 44.303 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

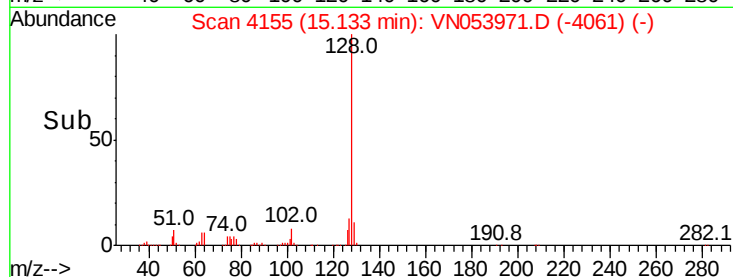
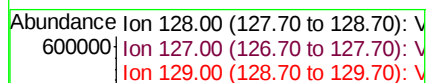
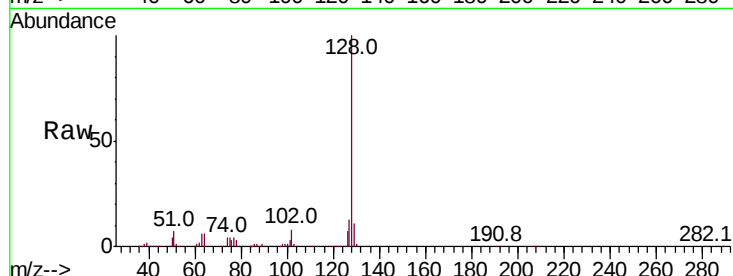
Instrument :

MSVOA_N

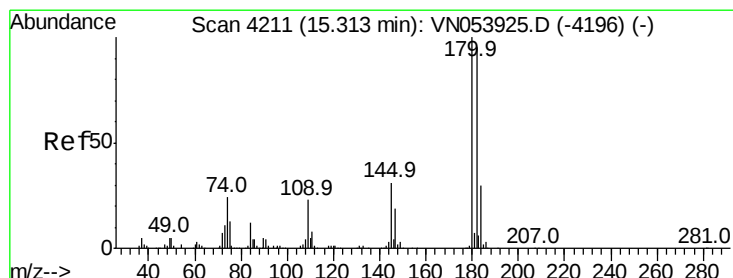
ClientSampleId :

Tot Ion:128 Resp: 775046

Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	10.8	8.6	12.8



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 47.989 ug/l

RT: 15.31 min Scan# 4211

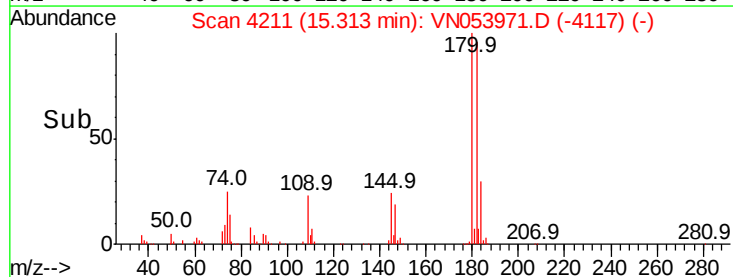
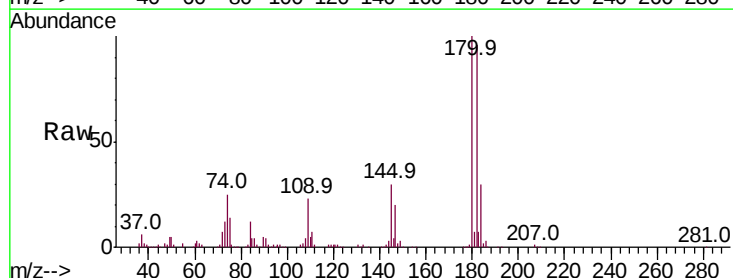
Delta R.T. 0.00 min

Lab File: VN053971.D

Acq: 27 Feb 2019 16:12

Tgt Ion:180 Resp: 376648

Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	30.5	14.4	43.0



Time-->