

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053973.D
 Acq On : 27 Feb 2019 17:30
 Operator : JC/SP
 Sample : VN0227WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 28 00:09:26 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	651318	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1030368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	887484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	398075	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	359341	47.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.14%	
35) Dibromofluoromethane	7.59	113	320264	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.09	98	1177381	47.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.94%	
62) 4-Bromofluorobenzene	12.40	95	385249	46.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	113972	19.014	ug/l	96
3) Chloromethane	2.06	50	155898	18.750	ug/l	100
4) Vinyl Chloride	2.19	62	156492	18.785	ug/l	100
5) Bromomethane	2.57	94	99267	17.992	ug/l	99
6) Chloroethane	2.71	64	93343	18.016	ug/l	97
7) Trichlorofluoromethane	3.02	101	198722	18.672	ug/l	99
8) Diethyl Ether	3.41	74	73831	18.516	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	128054	19.051	ug/l	93
10) Methyl Iodide	3.95	142	163381	18.498	ug/l	98
11) Tert butyl alcohol	4.78	59	42229	87.249	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	115373	17.944	ug/l	91
13) Acrolein	3.61	56	26637	53.156	ug/l	100
14) Allyl chloride	4.32	41	214548	19.026	ug/l	95
15) Acrylonitrile	4.99	53	240117	94.128	ug/l	98
16) Acetone	3.82	43	205199	93.942	ug/l	94
17) Carbon Disulfide	4.05	76	359913	17.352	ug/l	100
18) Methyl Acetate	4.32	43	104097	19.499	ug/l	93
19) Methyl tert-butyl Ether	5.04	73	327629	18.995	ug/l	99
20) Methylene Chloride	4.55	84	135699	17.958	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	126589	18.191	ug/l	89
22) Diisopropyl ether	5.95	45	420090	19.310	ug/l	96
23) Vinyl Acetate	5.89	43	1469300	93.883	ug/l	96
24) 1,1-Dichloroethane	5.85	63	251105	18.822	ug/l	99
25) 2-Butanone	6.83	43	279983	93.395	ug/l	94
26) 2,2-Dichloropropane	6.82	77	178651	18.848	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	148082	19.134	ug/l	94
28) Bromochloromethane	7.19	49	116614	19.096	ug/l #	79
29) Tetrahydrofuran	7.21	42	183139	91.736	ug/l	92
30) Chloroform	7.37	83	244057	18.866	ug/l	99
31) Cyclohexane	7.65	56	238328	19.268	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	199391	18.693	ug/l	96
36) 1,1-Dichloropropene	7.79	75	181870	18.980	ug/l	98
37) Ethyl Acetate	6.93	43	125449	18.335	ug/l	96
38) Carbon Tetrachloride	7.77	117	173327	17.392	ug/l	97

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Quant Time: Feb 28 00:09:26 2019
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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)

39) Methylcyclohexane	9.08	83	213922	18.523	ug/l	93
40) Benzene	8.04	78	558354	18.968	ug/l	99
41) Methacrylonitrile	7.18	41	77383	17.565	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	175712	19.281	ug/l	96
43) Isopropyl Acetate	8.16	43	206896	17.910	ug/l	94
44) Trichloroethene	8.83	130	142830	18.302	ug/l	94
45) 1,2-Dichloropropane	9.12	63	152549	19.208	ug/l	98
46) Dibromomethane	9.21	93	86634	18.790	ug/l	92
47) Bromodichloromethane	9.40	83	184511	18.989	ug/l	96
48) Methyl methacrylate	9.20	41	97937	18.431	ug/l	93
49) 1,4-Dioxane	9.20	88	27768	385.831	ug/l #	90
51) 4-Methyl-2-Pentanone	9.98	43	558251	94.041	ug/l	95
52) Toluene	10.15	92	330807	19.085	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	177078	18.730	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	210281	18.867	ug/l #	91
55) 1,1,2-Trichloroethane	10.56	97	119037	18.389	ug/l	98
56) Ethyl methacrylate	10.43	69	141982	18.029	ug/l	88
57) 1,3-Dichloropropane	10.71	76	209442	19.149	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	349158	97.163	ug/l	95
59) 2-Hexanone	10.75	43	359609	93.143	ug/l	93
60) Dibromochloromethane	10.90	129	128739	17.895	ug/l	99
61) 1,2-Dibromoethane	11.00	107	113826	18.228	ug/l	98
64) Tetrachloroethene	10.63	164	142633	18.980	ug/l	96
65) Chlorobenzene	11.43	112	350964	18.738	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	126568	18.750	ug/l	99
67) Ethyl Benzene	11.51	91	597866	19.041	ug/l	98
68) m/p-Xylenes	11.62	106	458774	38.712	ug/l	96
69) o-Xylene	11.95	106	218955	18.803	ug/l	96
70) Styrene	11.96	104	349711	19.525	ug/l	98
71) Bromoform	12.12	173	84609	18.017	ug/l #	100
73) Isopropylbenzene	12.25	105	583773	18.839	ug/l	99
74) N-amyl acetate	12.07	43	156370	19.253	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	140067	18.076	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	169544	26.550	ug/l #	100
77) Bromobenzene	12.53	156	144315	18.343	ug/l	89
78) n-propylbenzene	12.59	91	689398	19.562	ug/l	98
79) 2-Chlorotoluene	12.67	91	401741	18.977	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	498699	19.658	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	34343	16.998	ug/l	89
82) 4-Chlorotoluene	12.77	91	408360	19.517	ug/l	96
83) tert-Butylbenzene	12.99	119	434965	19.386	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	498436	19.681	ug/l	98
85) sec-Butylbenzene	13.17	105	606513	19.792	ug/l	98
86) p-Isopropyltoluene	13.29	119	514301	19.852	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	260315	19.127	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	255853	19.377	ug/l	98
89) n-Butylbenzene	13.62	91	438246	20.073	ug/l	98
90) Hexachloroethane	13.87	117	89695	17.867	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	251896	19.120	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20837	19.028	ug/l	86

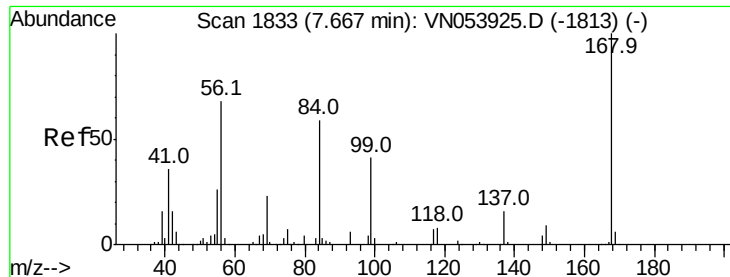
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
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Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	125713	18.640	ug/l	96
94) Hexachlorobutadiene	15.01	225	96004	20.173	ug/l	98
95) Naphthalene	15.13	128	230513	16.897	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	122863	18.518	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

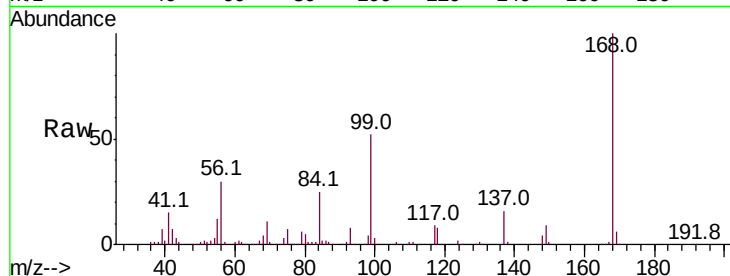
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 651318

Ion Ratio Lower Upper

168 100

99 51.7 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

150000

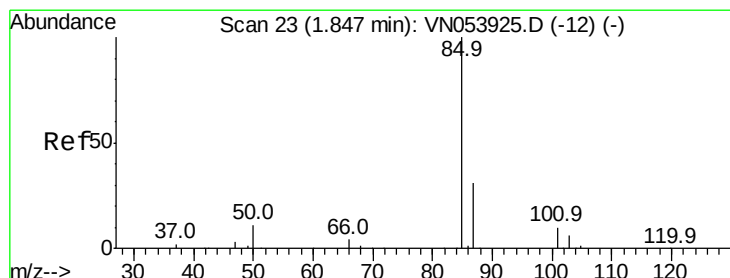
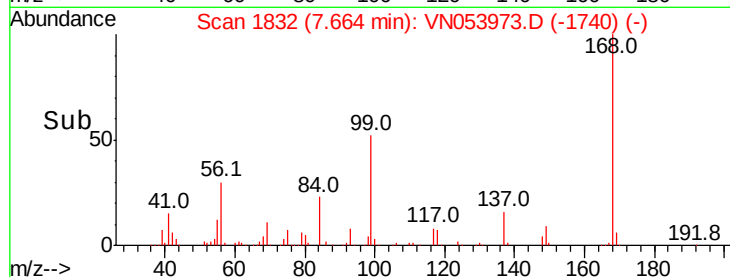
100000

50000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 19.014 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN053973.D

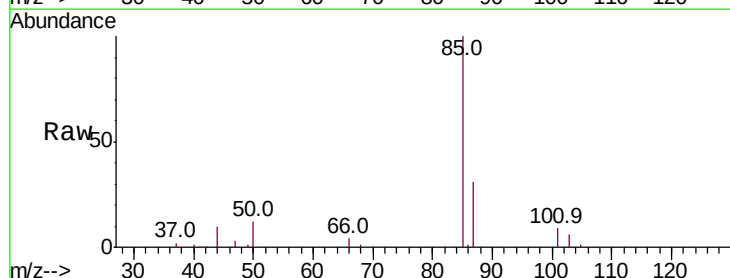
Acq: 27 Feb 2019 17:30

Tgt Ion: 85 Resp: 113972

Ion Ratio Lower Upper

85 100

87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

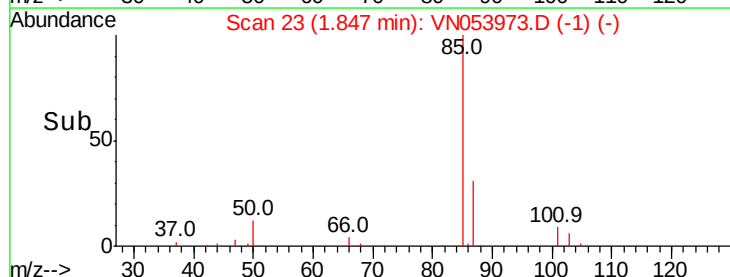
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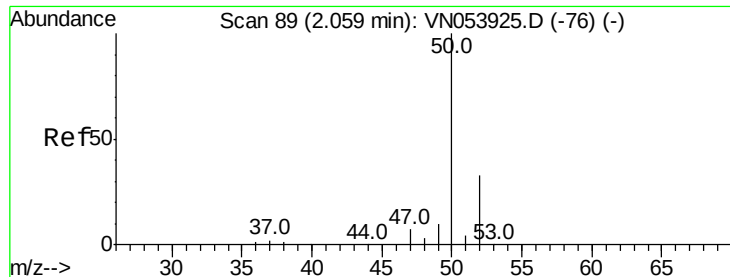
20000

0

Time-->

1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.750 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

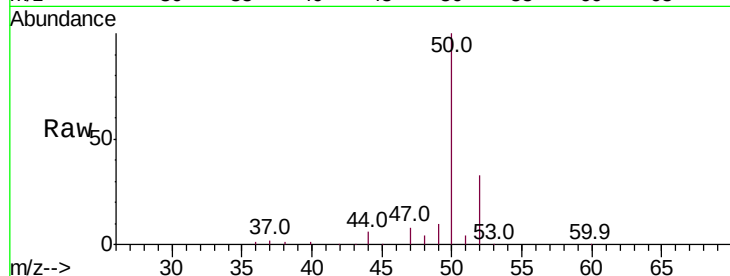
ClientSampleId :

Tot Ion: 50 Resp: 155898

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0



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

Ion 51.90 (51.60 to 52.60): VN053973.D (-1) (-)

2.06

120000

100000

80000

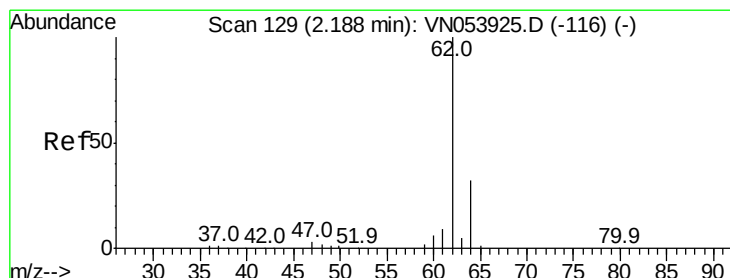
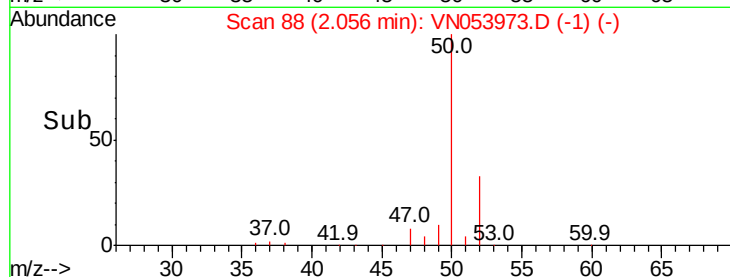
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 18.785 ug/l

RT: 2.19 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN053973.D

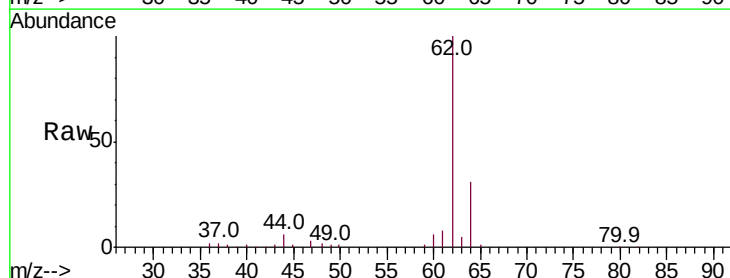
Acq: 27 Feb 2019 17:30

Tgt Ion: 62 Resp: 156492

Ion Ratio Lower Upper

62 100

64 31.2 25.1 37.7



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

Ion 63.90 (63.60 to 64.60): VN053973.D (-36) (-)

2.19

120000

100000

80000

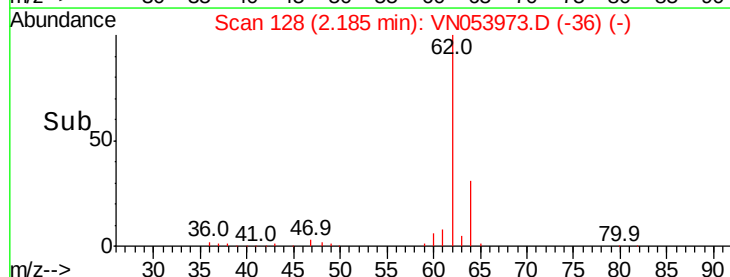
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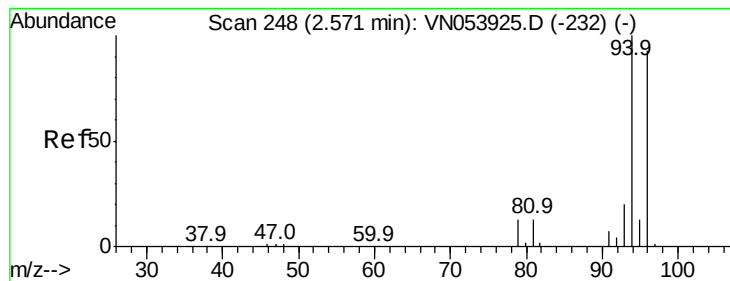
40000

20000

0

Time-->





#5

Bromomethane

Concen: 17.992 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

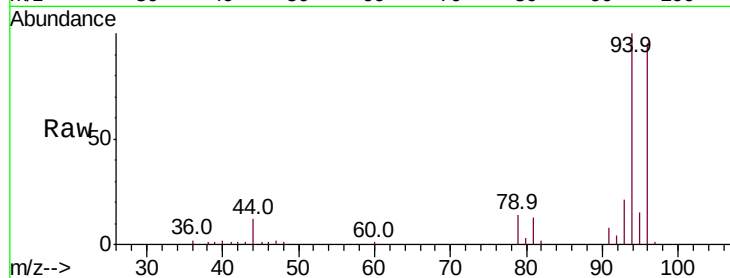
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 99267

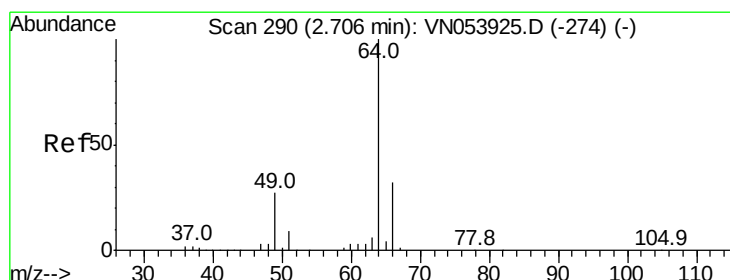
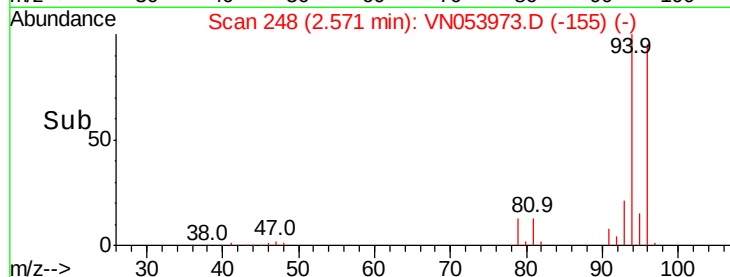
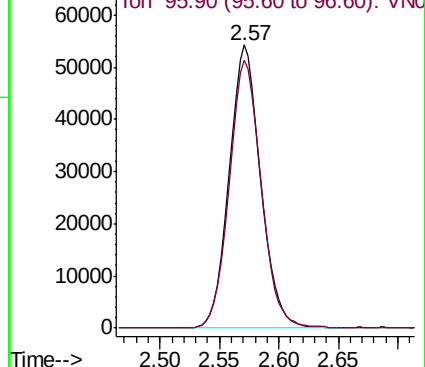
Ion Ratio Lower Upper

94 100

96 94.5 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VN053925.D (-232) (-)



#6

Chloroethane

Concen: 18.016 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053973.D

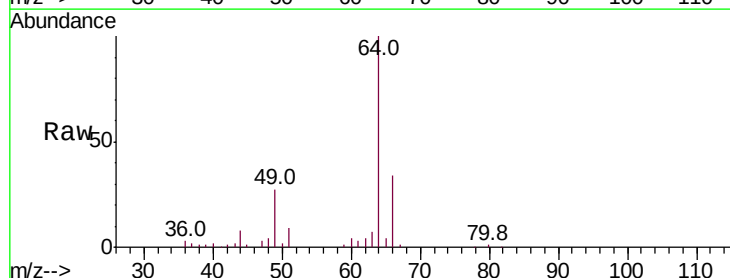
Acq: 27 Feb 2019 17:30

Tgt Ion: 64 Resp: 93343

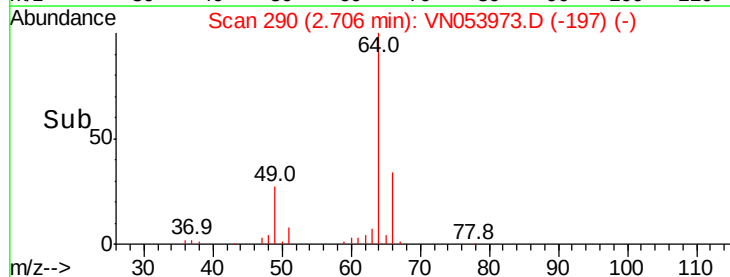
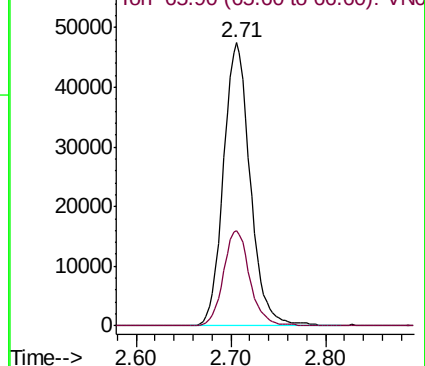
Ion Ratio Lower Upper

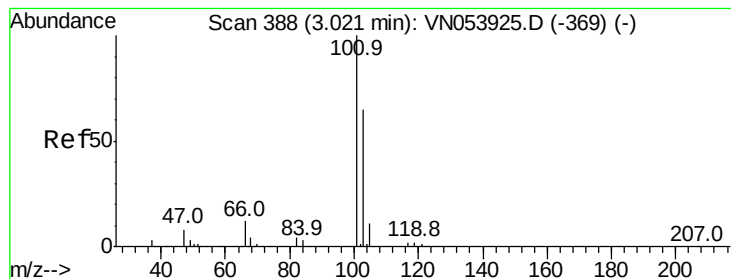
64 100

66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN053925.D (-274) (-)



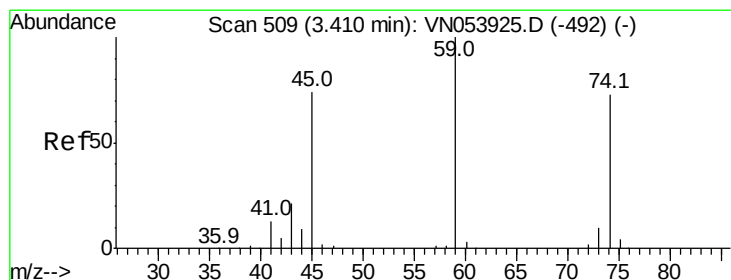
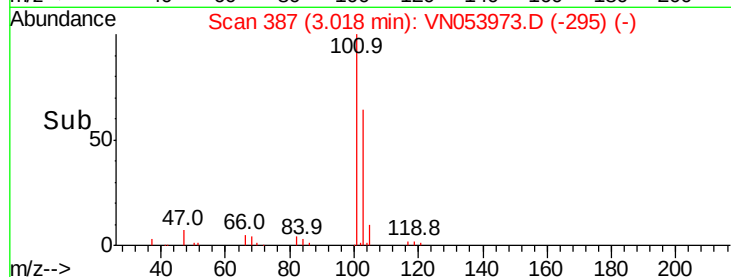
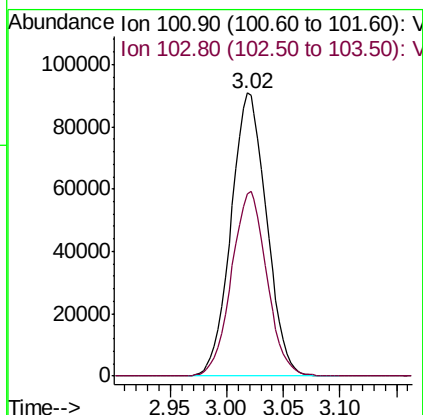
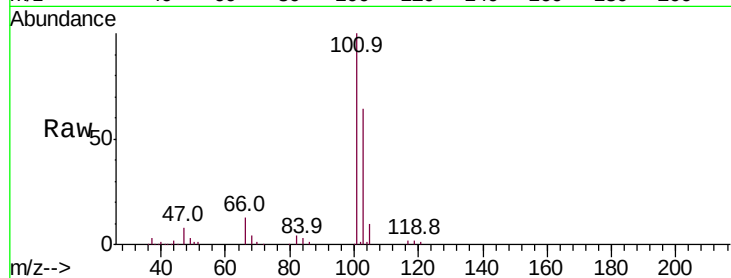


#7

Trichlorofluoromethane
Concen: 18.672 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Instrument :
MSVOA_N
ClientSampled :

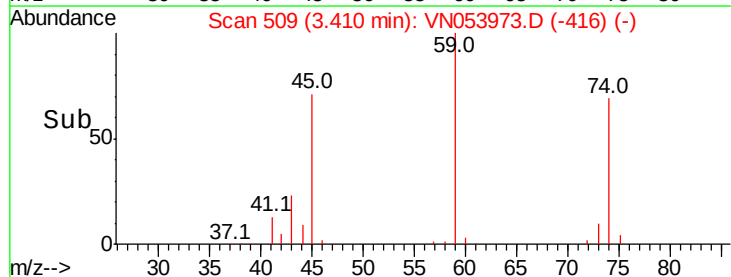
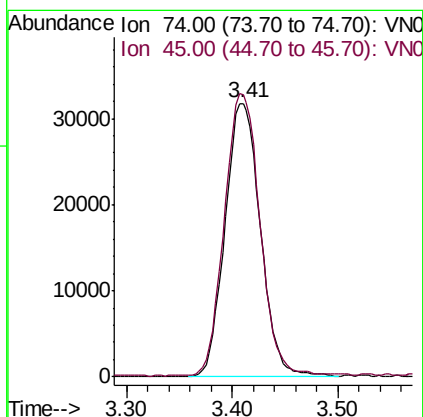
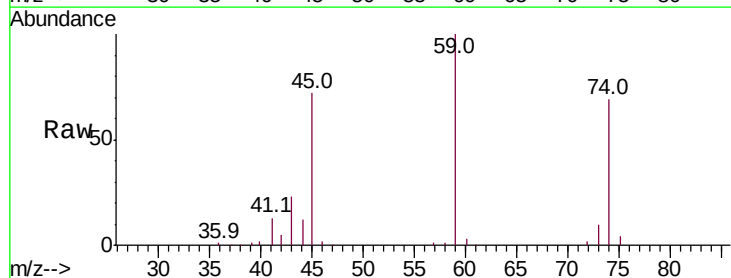
Tot Ion:101 Resp: 198722
Ion Ratio Lower Upper
101 100
103 64.3 51.9 77.9

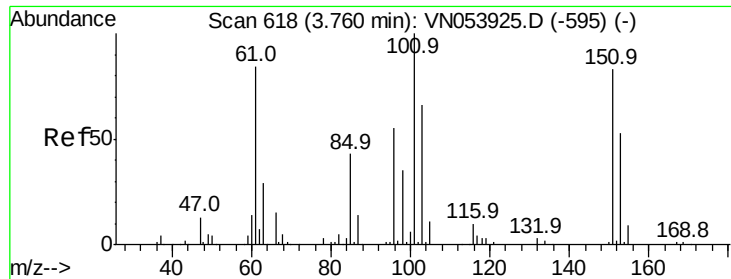


#8

Diethyl Ether
Concen: 18.516 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion: 74 Resp: 73831
Ion Ratio Lower Upper
74 100
45 102.8 46.9 140.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.051 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

ClientSampled :

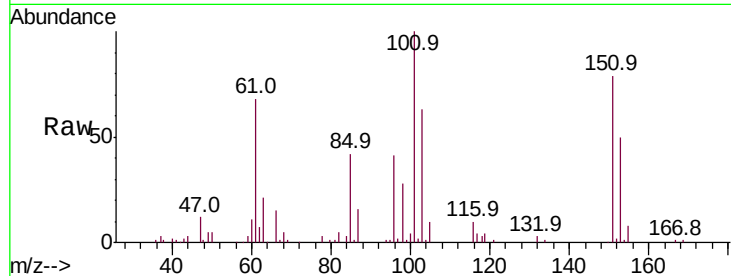
Tot Ion:101 Resp: 128054

Ion Ratio Lower Upper

101 100

85 43.2 32.5 48.7

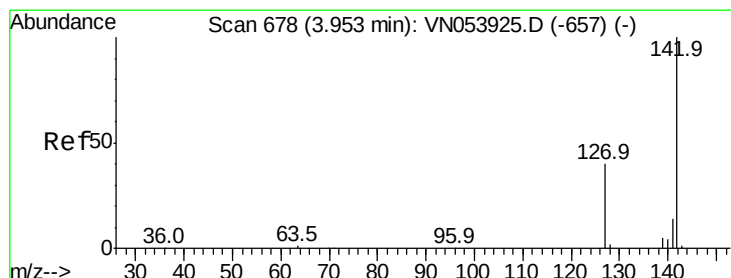
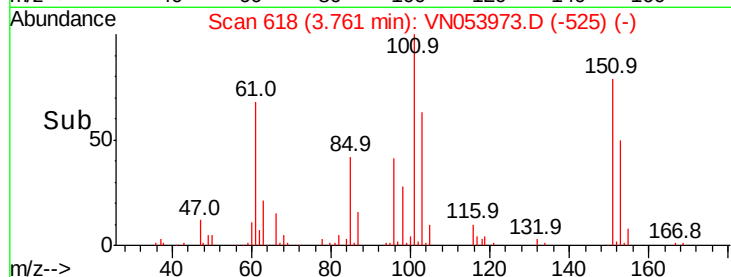
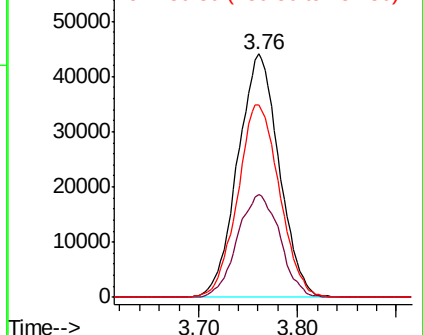
151 80.0 70.2 105.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.498 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

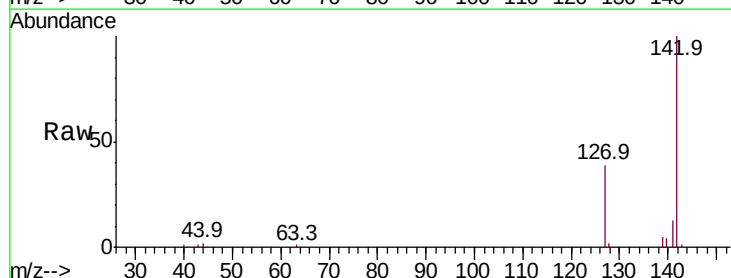
Tgt Ion:142 Resp: 163381

Ion Ratio Lower Upper

142 100

127 39.9 31.0 46.4

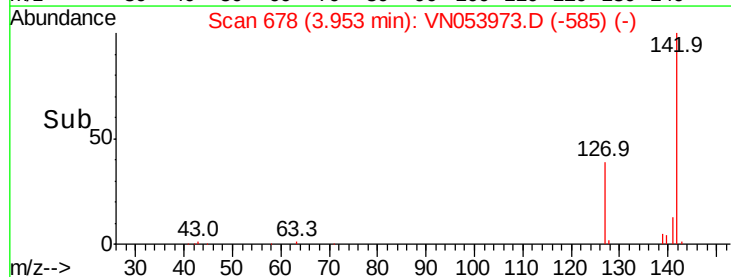
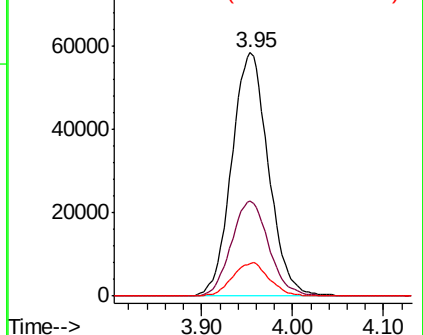
141 13.7 11.3 16.9

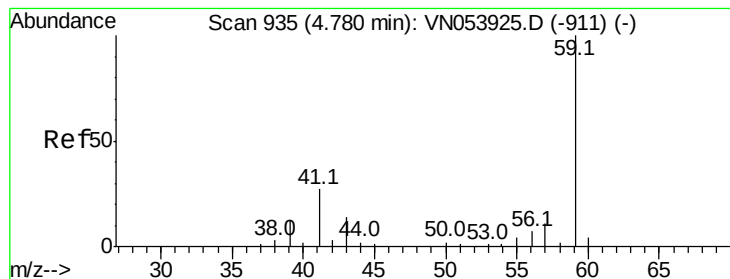


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



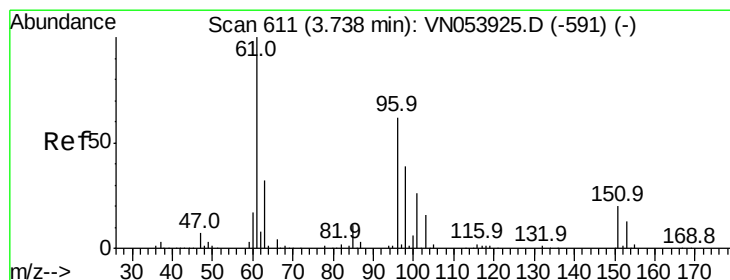
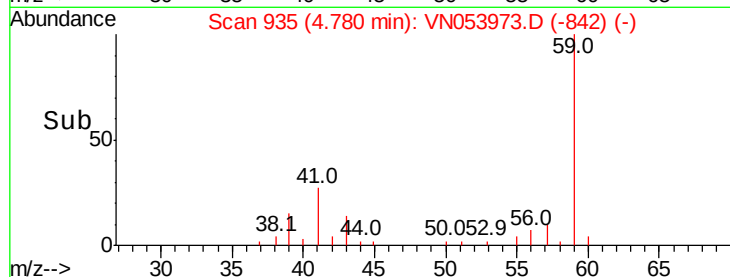
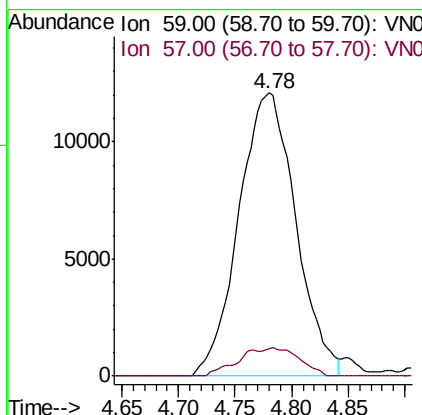
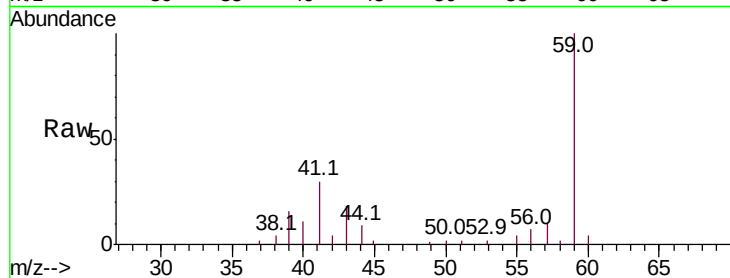


#11

Tert butyl alcohol
 Concen: 87.249 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

Instrument :
 MSVOA_N
 ClientSampled :

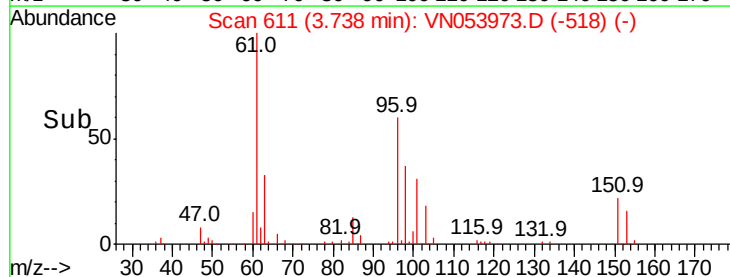
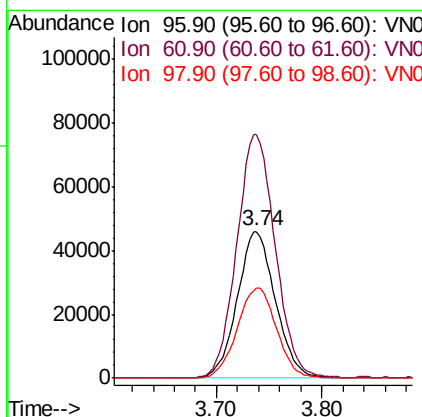
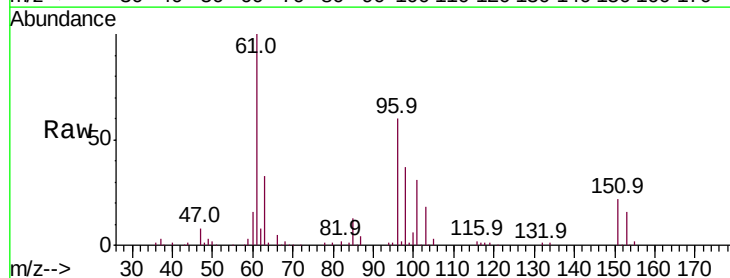
Tot Ion: 59 Resp: 42229
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#

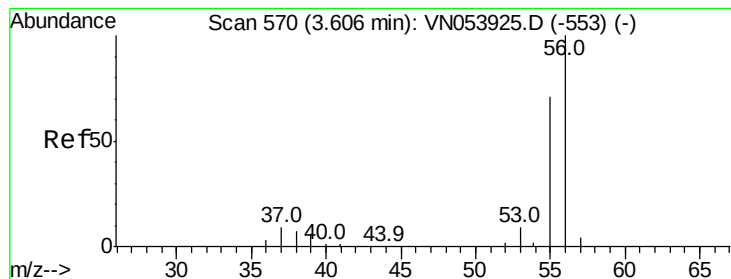


#12

1,1-Dichloroethene
 Concen: 17.944 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

Tgt Ion: 96 Resp: 115373
 Ion Ratio Lower Upper
 96 100
 61 165.9 121.0 181.4
 98 61.6 52.2 78.2





#13

Acrolein

Concen: 53.156 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

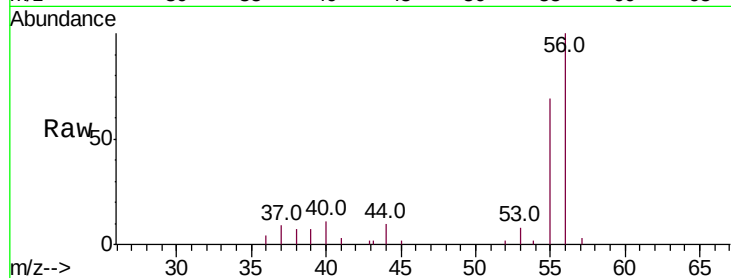
ClientSampleId :

Tot Ion: 56 Resp: 26637

Ion Ratio Lower Upper

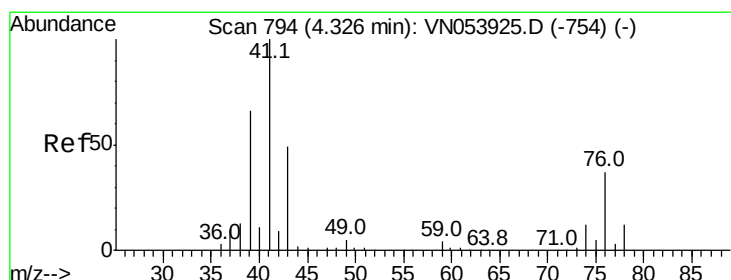
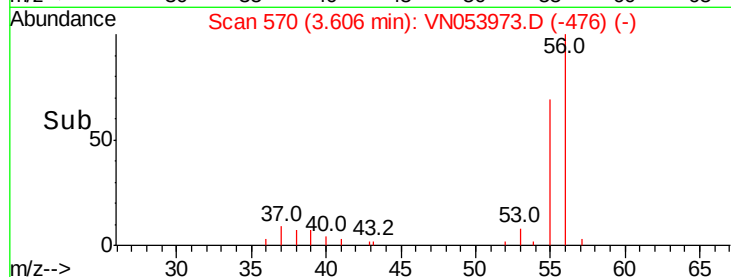
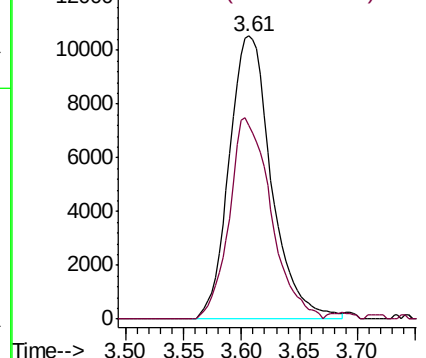
56 100

55 70.1 56.3 84.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.026 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

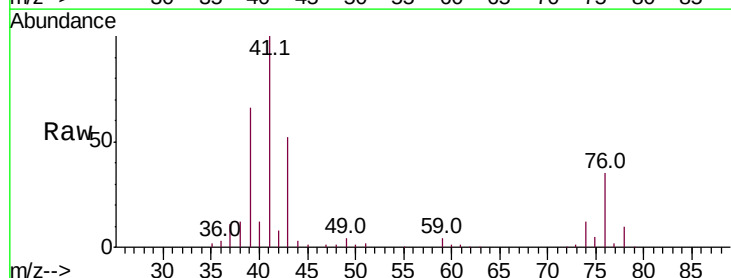
Tgt Ion: 41 Resp: 214548

Ion Ratio Lower Upper

41 100

39 63.7 48.8 73.2

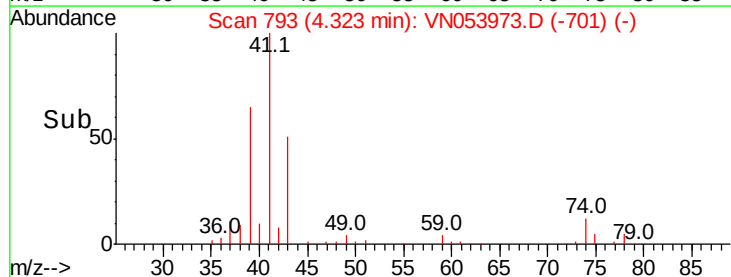
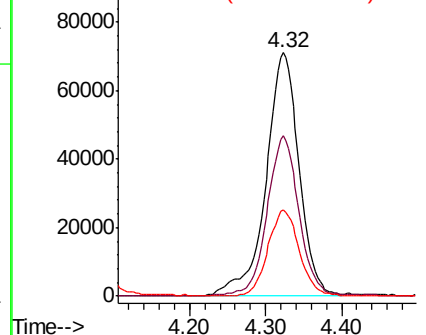
76 33.7 30.9 46.3

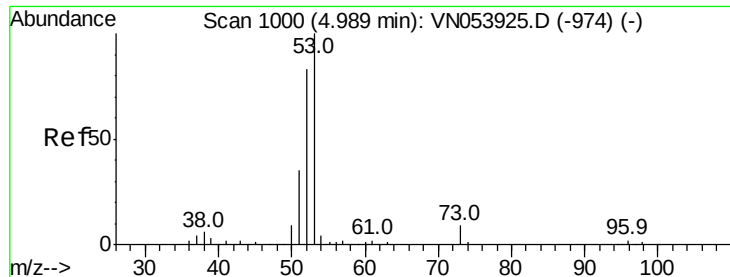


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 94.128 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

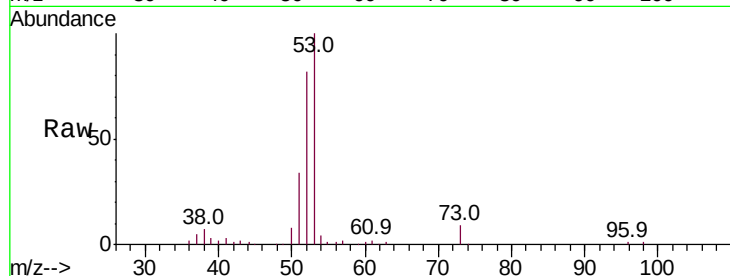
Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 240117

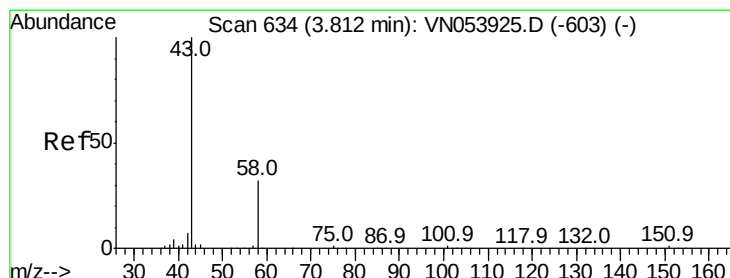
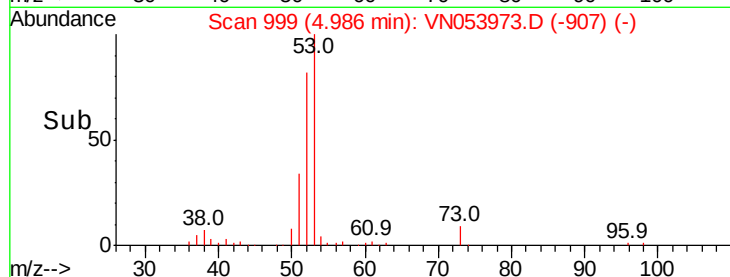
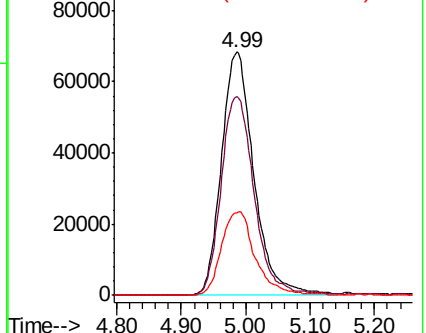
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.1	97.7
51	35.6	28.2	42.4



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: 93.942 ug/l

RT: 3.82 min Scan# 635

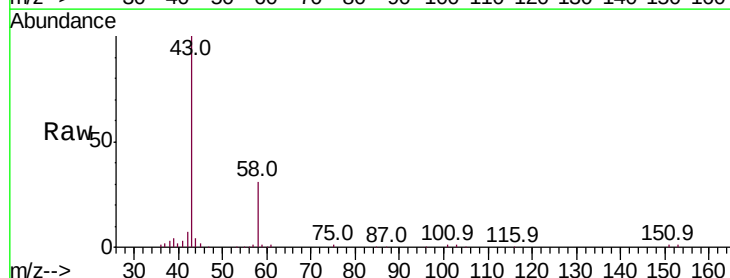
Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

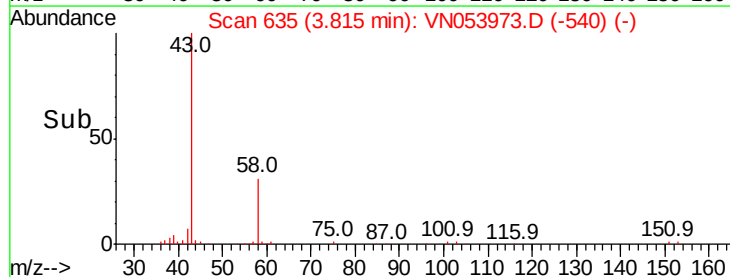
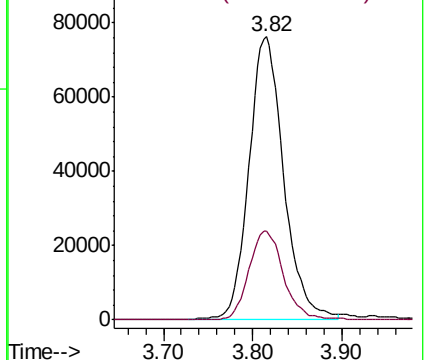
Tgt Ion: 43 Resp: 205199

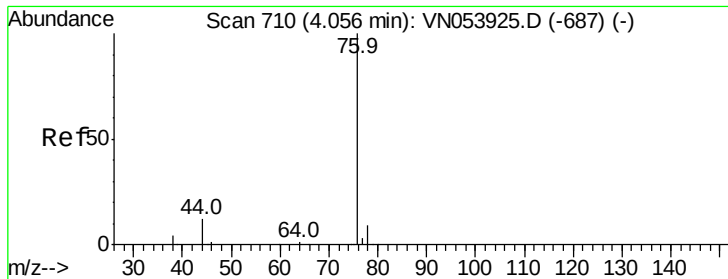
Ion	Ratio	Lower	Upper
43	100		
58	31.3	27.6	41.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 17.352 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

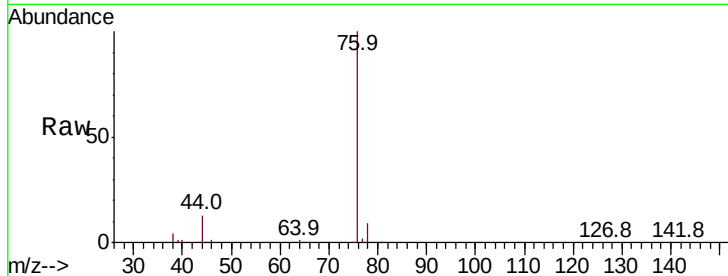
ClientSampleId :

Tot Ion: 76 Resp: 359913

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

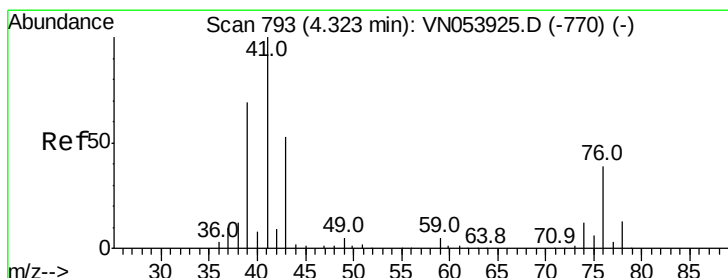
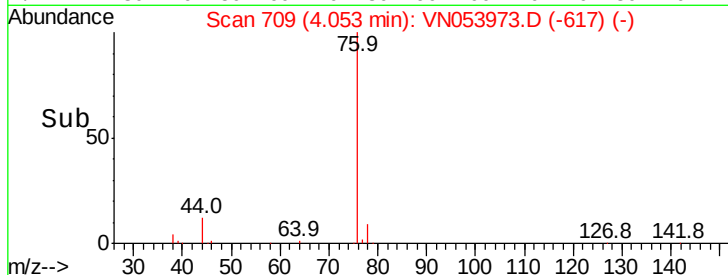
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.499 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053973.D

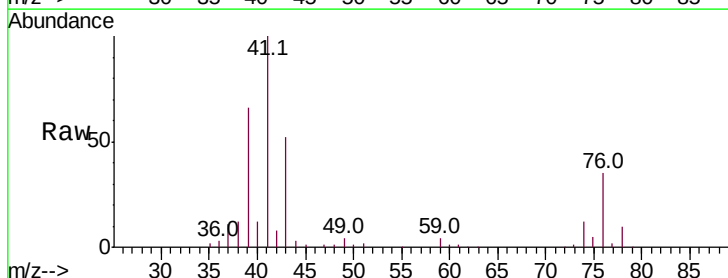
Acq: 27 Feb 2019 17:30

Tgt Ion: 43 Resp: 104097

Ion Ratio Lower Upper

43 100

74 22.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.32

40000

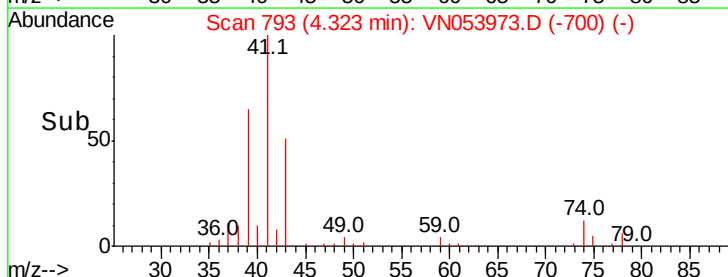
30000

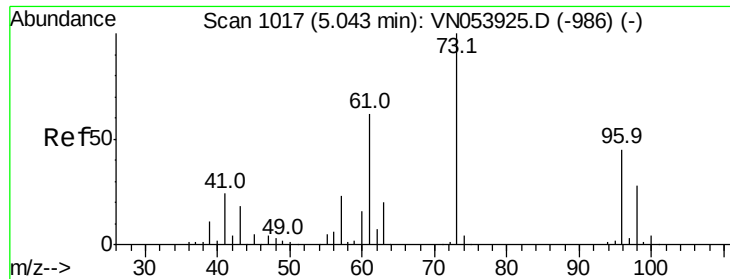
20000

10000

0

Time-->

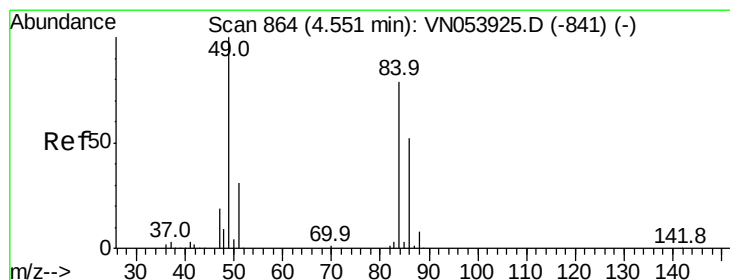
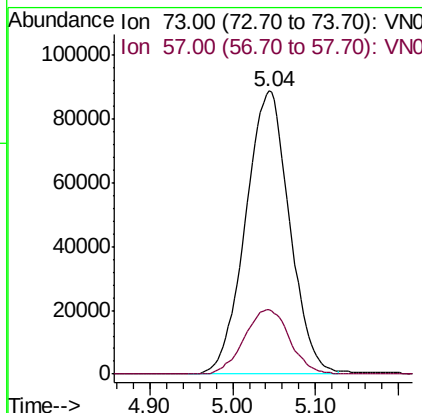
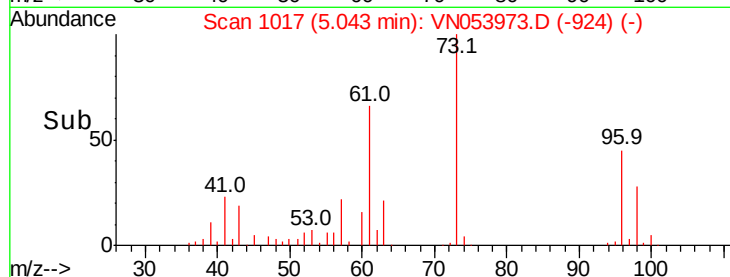
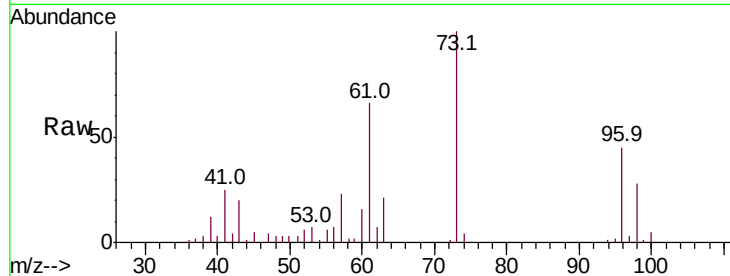




#19
Methvl tert-butvl Ether
Concen: 18.995 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

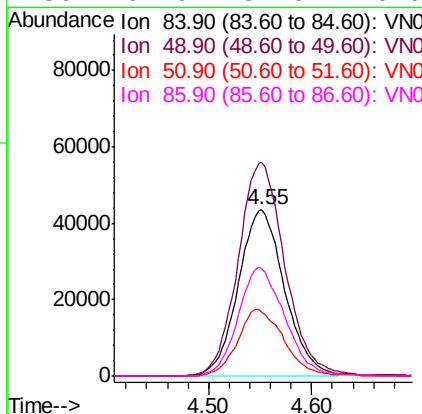
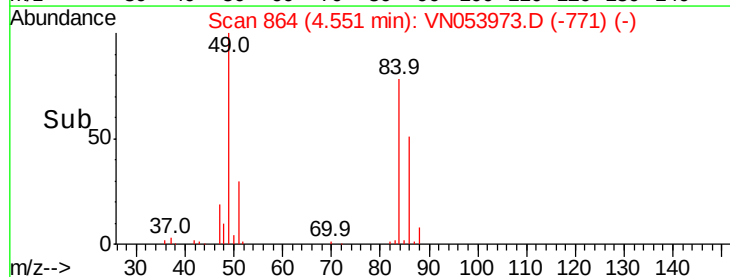
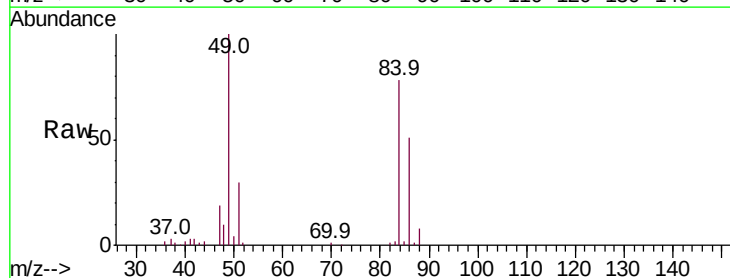
Instrument :
MSVOA_N
ClientSampled :

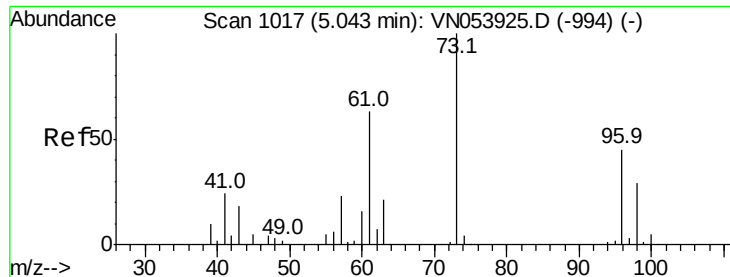
Tot Ion: 73 Resp: 327629
Ion Ratio Lower Upper
73 100
57 22.9 18.0 27.0



#20
Methylene Chloride
Concen: 17.958 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion: 84 Resp: 135699
Ion Ratio Lower Upper
84 100
49 128.0 89.7 134.5
51 38.7 27.8 41.8
86 64.9 51.3 76.9

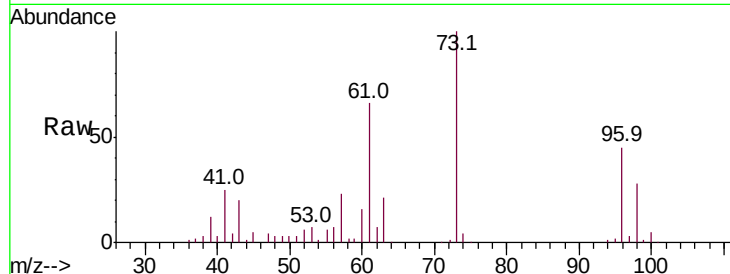




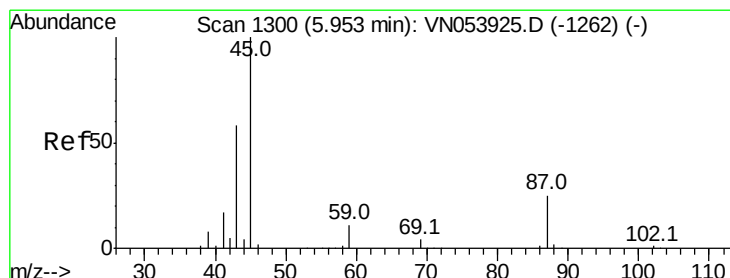
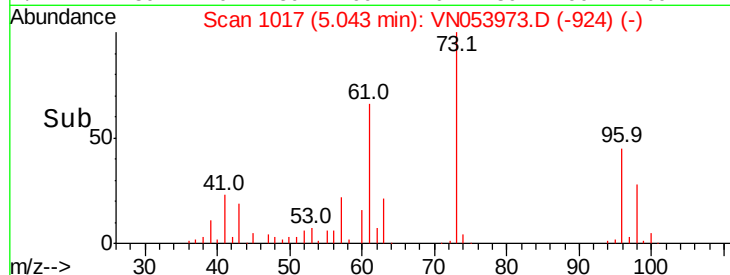
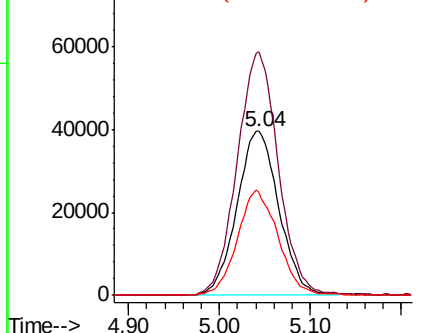
#21
trans-1,2-Dichloroethene
Concen: 18.191 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 126589
Ion Ratio Lower Upper
96 100
61 148.4 104.5 156.7
98 62.5 50.6 76.0

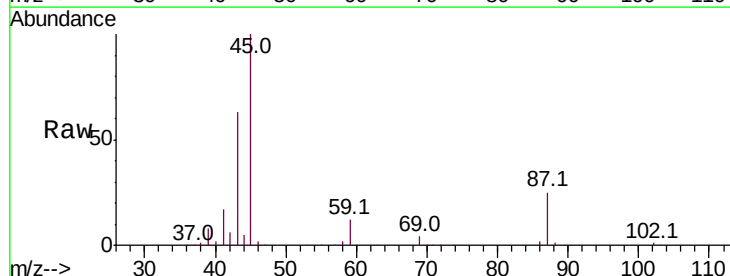


Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

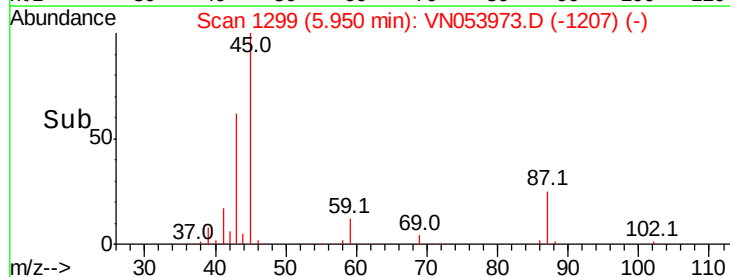
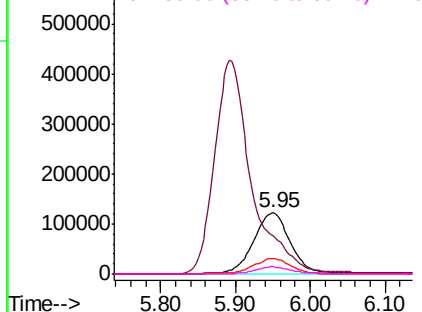


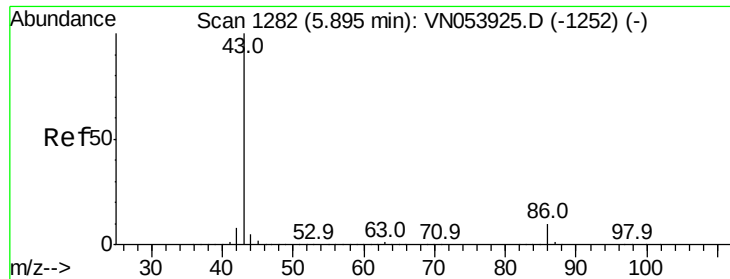
#22
Diisopropyl ether
Concen: 19.310 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion: 45 Resp: 420090
Ion Ratio Lower Upper
45 100
43 59.0 46.2 69.4
87 24.5 23.4 35.0
59 11.4 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

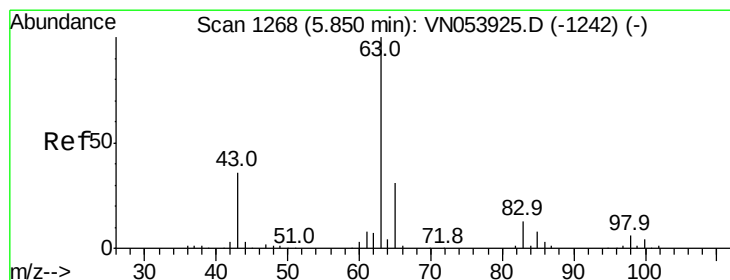
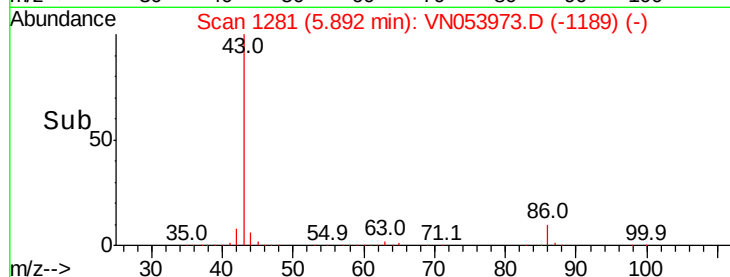
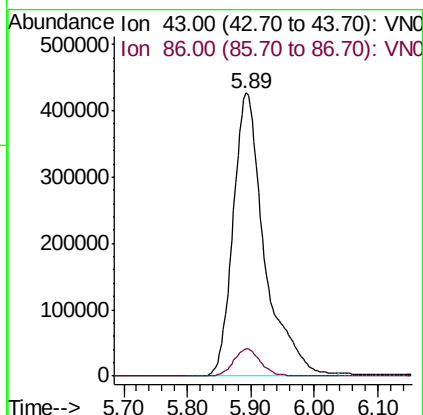
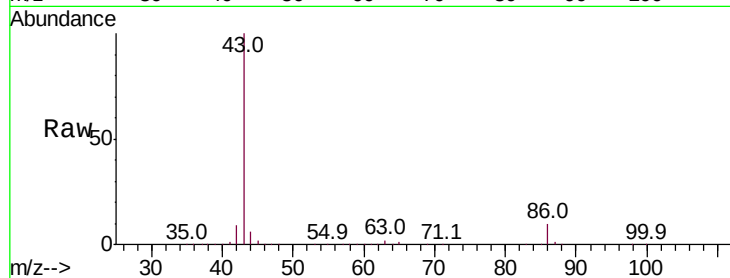




#23
 Vinyl Acetate
 Concen: 93.883 ug/l
 RT: 5.89 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

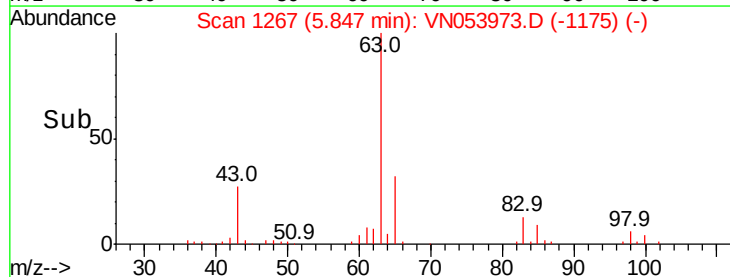
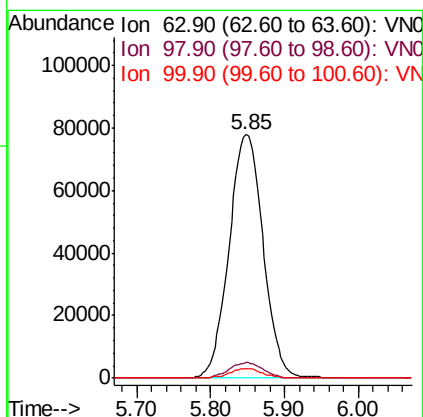
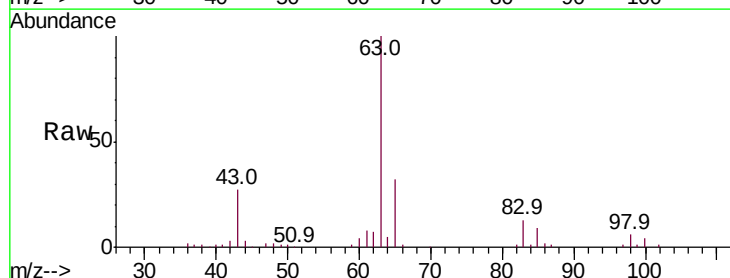
Instrument :
 MSVOA_N
 ClientSampleId :

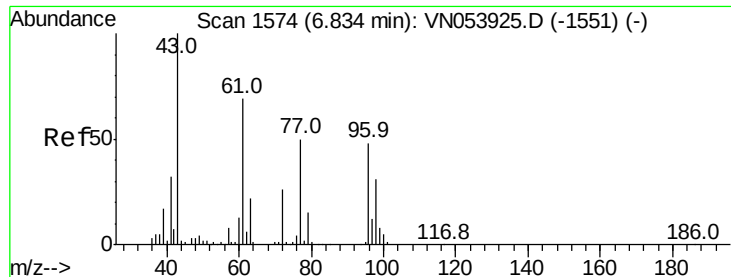
Tot Ion: 43 Resp: 1469300
 Ion Ratio Lower Upper
 43 100
 86 9.9 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 18.822 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

Tgt Ion: 63 Resp: 251105
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.2
 100 4.0 2.2 6.6





#25

2-Butanone

Concen: 93.395 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

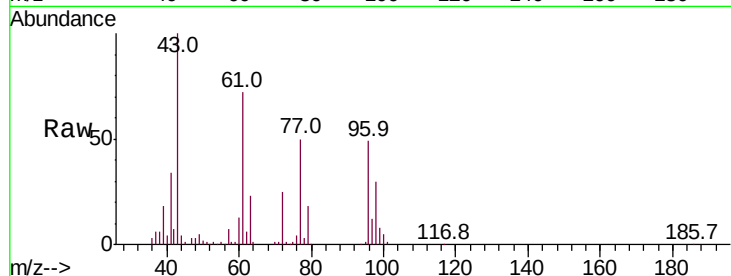
ClientSampleId :

Tot Ion: 43 Resp: 279983

Ion Ratio Lower Upper

43 100

72 24.6 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-1551) (-)

Ion 72.00 (71.70 to 72.70): VN053925.D (-1551) (-)

6.83

100000

80000

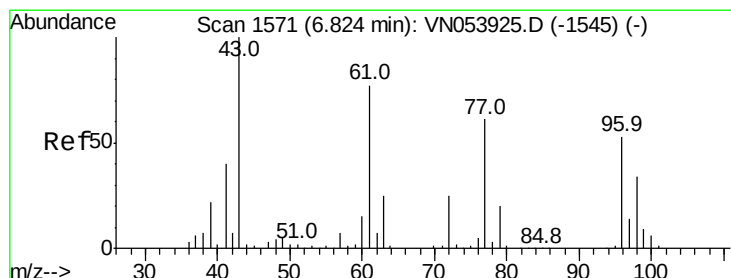
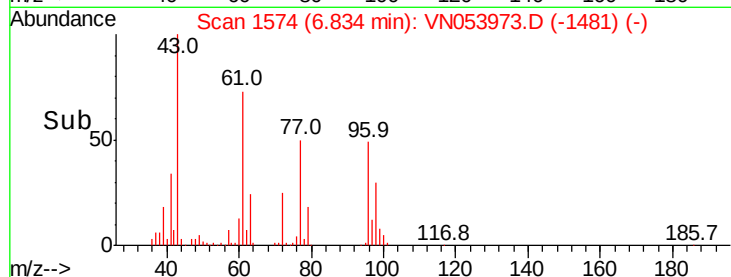
60000

40000

20000

0

Time--> 6.70 6.80 6.90



#26

2,2-Dichloropropane

Concen: 18.848 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN053973.D

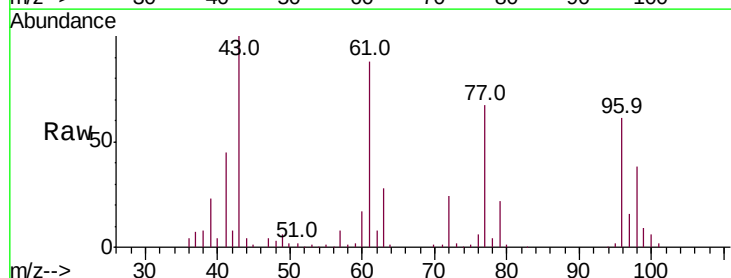
Acq: 27 Feb 2019 17:30

Tgt Ion: 77 Resp: 178651

Ion Ratio Lower Upper

77 100

97 23.7 12.3 36.9



Abundance Ion 76.90 (76.60 to 77.60): VN053925.D (-1545) (-)

Ion 96.90 (96.60 to 97.60): VN053925.D (-1545) (-)

6.82

60000

50000

40000

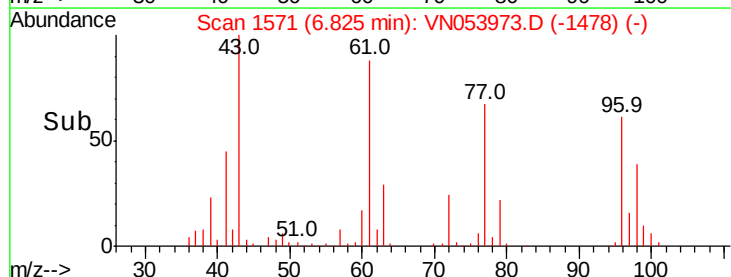
30000

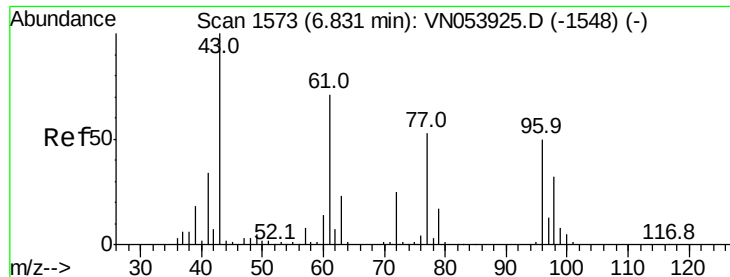
20000

10000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 19.134 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :
MSVOA_N
ClientSampled :

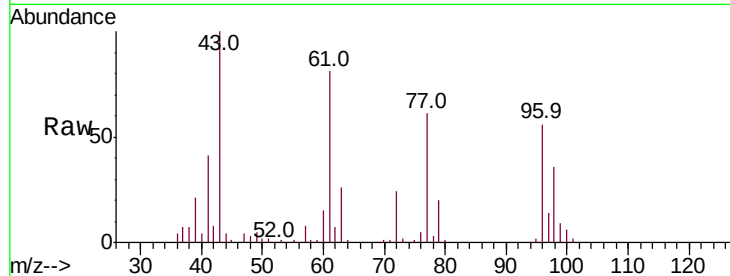
Tot Ion: 96 Resp: 148082

Ion Ratio Lower Upper

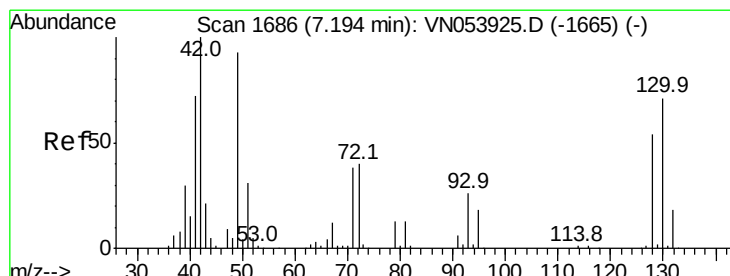
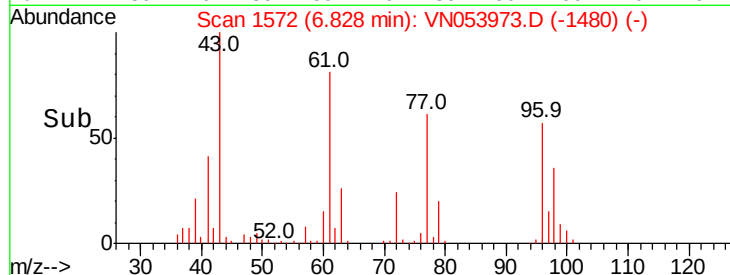
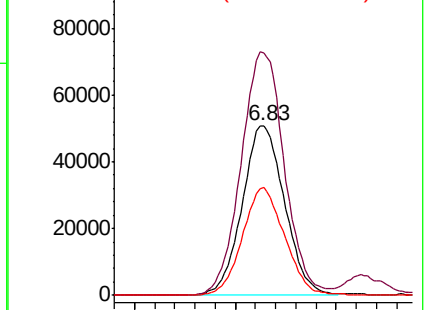
96 100

61 146.5 0.0 275.6

98 63.3 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: 19.096 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

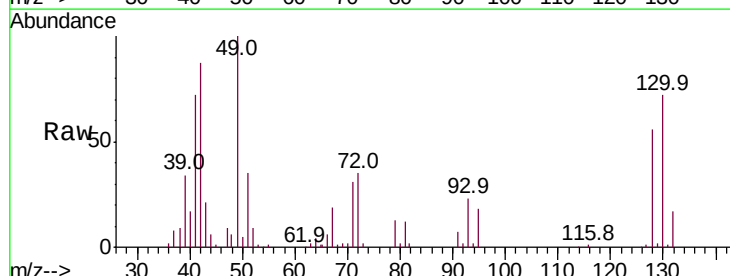
Tgt Ion: 49 Resp: 116614

Ion Ratio Lower Upper

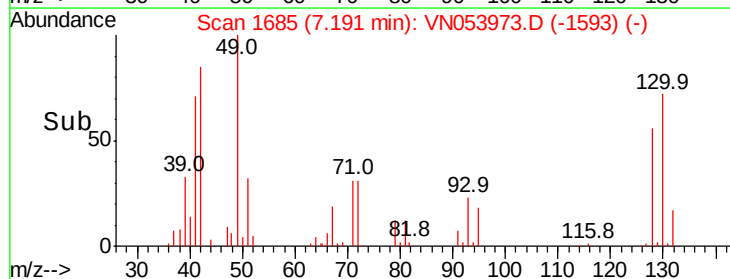
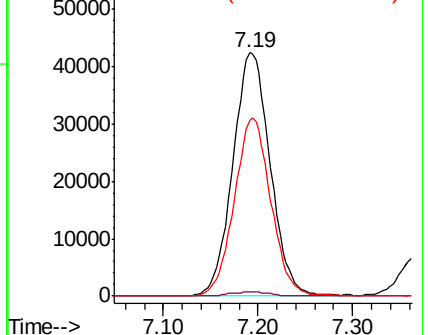
49 100

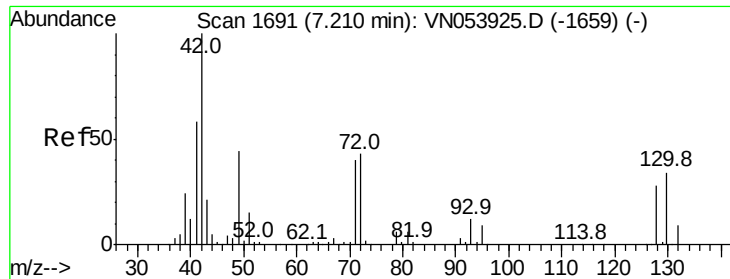
129 1.7 0.0 4.6

130 71.0 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

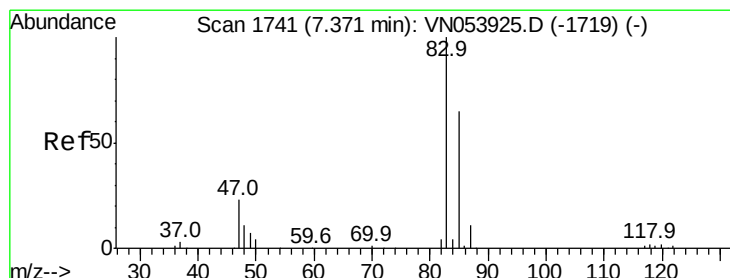
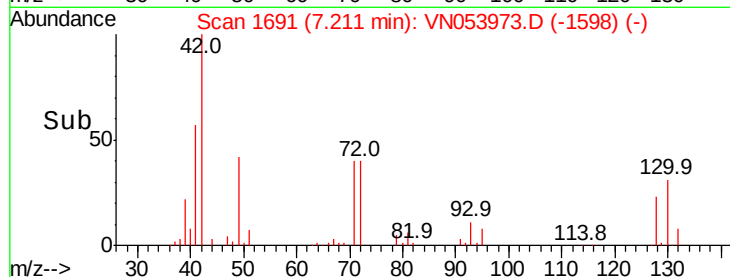
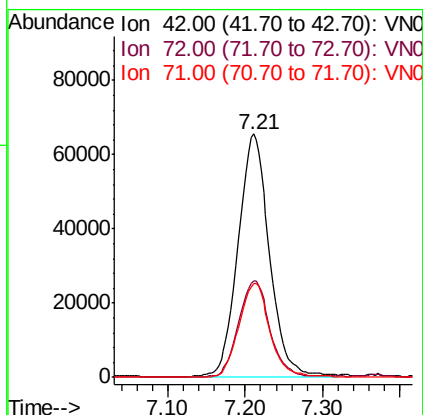
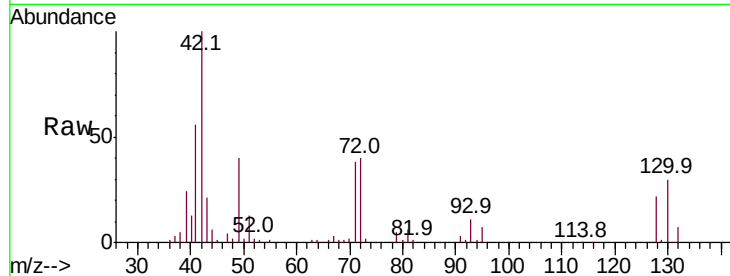




#29
Tetrahydrofuran
Concen: 91.736 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

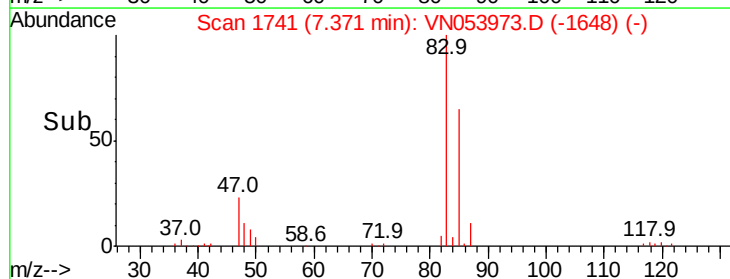
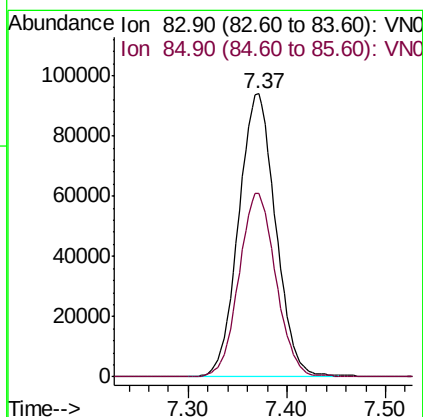
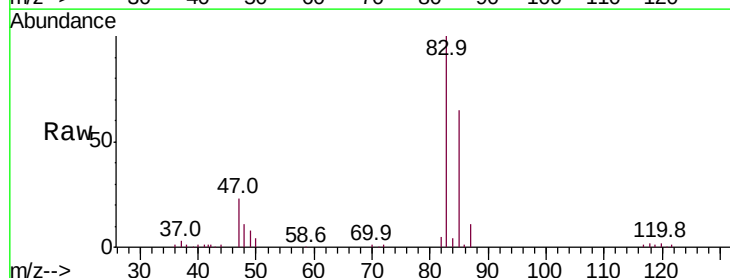
Instrument :
MSVOA_N
ClientSampled :

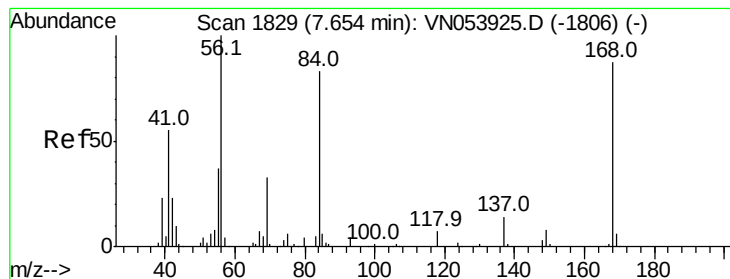
Tot Ion: 42 Resp: 183139
Ion Ratio Lower Upper
42 100
72 40.3 36.9 55.3
71 38.3 34.6 52.0



#30
Chloroform
Concen: 18.866 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion: 83 Resp: 244057
Ion Ratio Lower Upper
83 100
85 64.8 52.6 78.8





#31

Cyclohexane

Concen: 19.268 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :
MSVOA_N
ClientSampled :

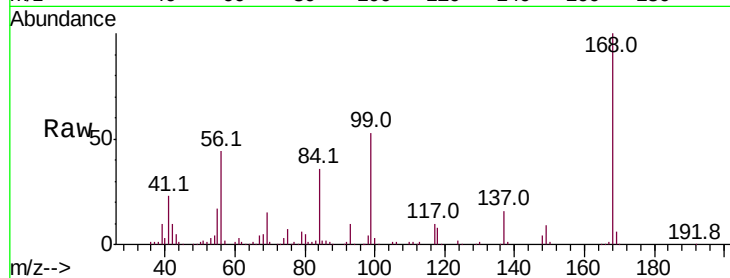
Tot Ion: 56 Resp: 238328

Ion Ratio Lower Upper

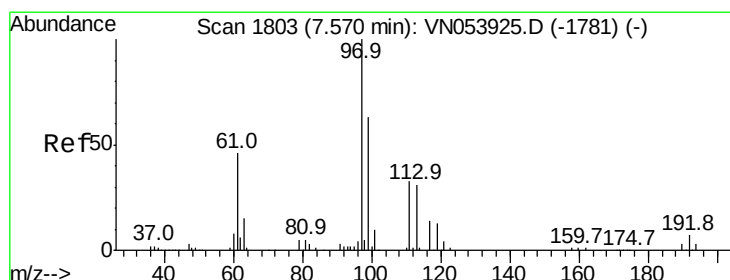
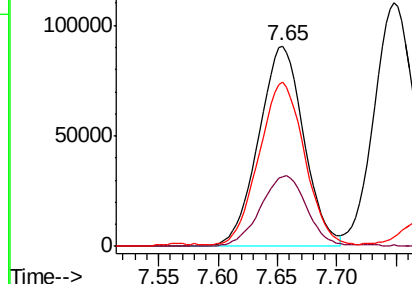
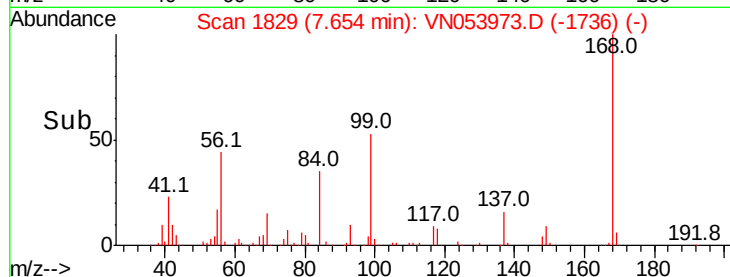
56 100

69 35.0 26.0 39.0

84 80.8 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: 18.693 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

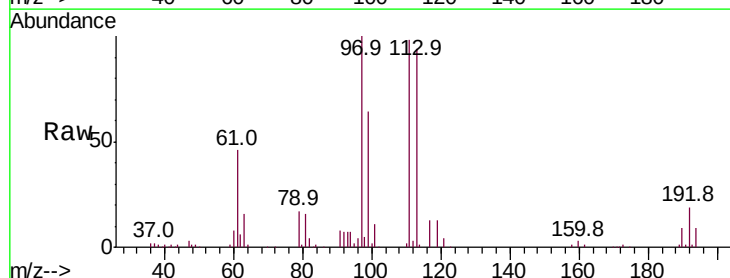
Tgt Ion: 97 Resp: 199391

Ion Ratio Lower Upper

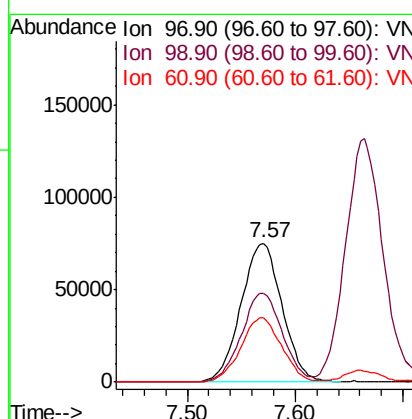
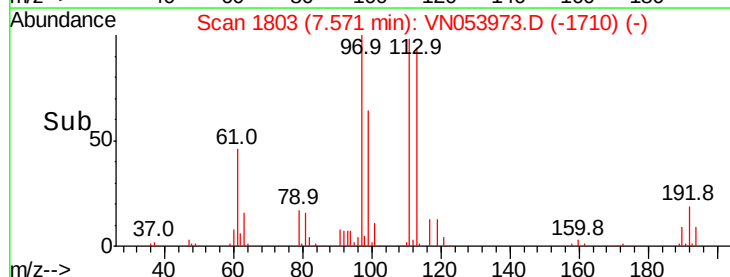
97 100

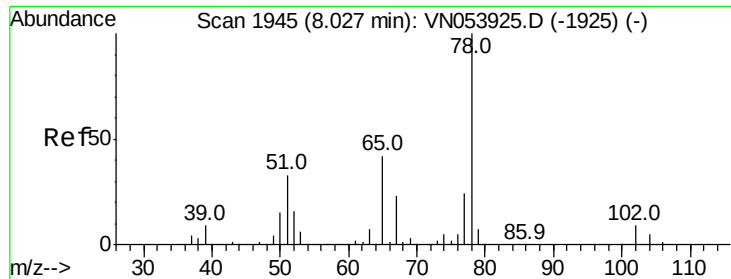
99 63.6 51.8 77.8

61 46.2 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

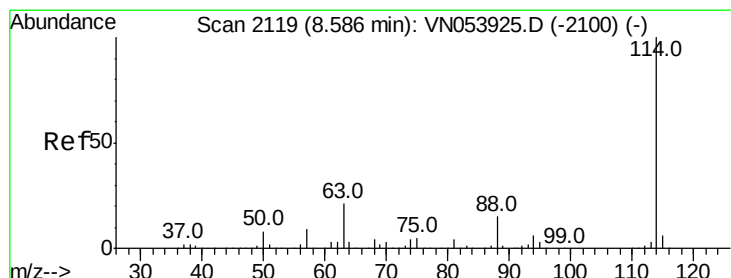
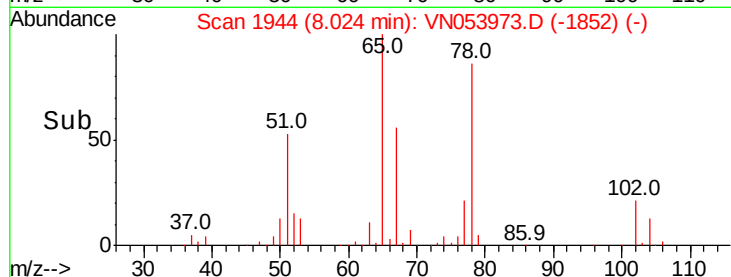
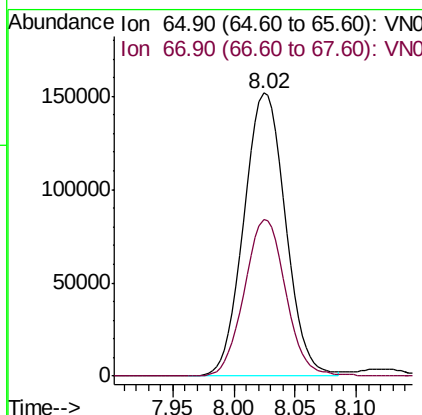
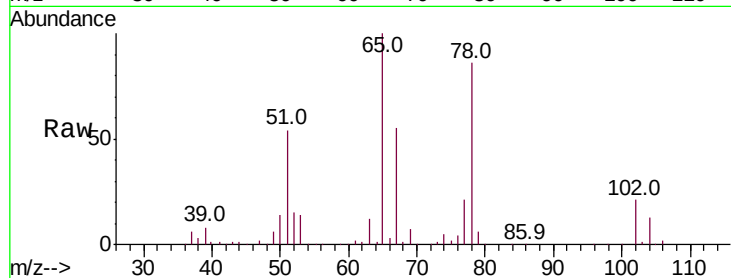




#33
 1,2-Dichloroethane-d4
 Concen: 47.066 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

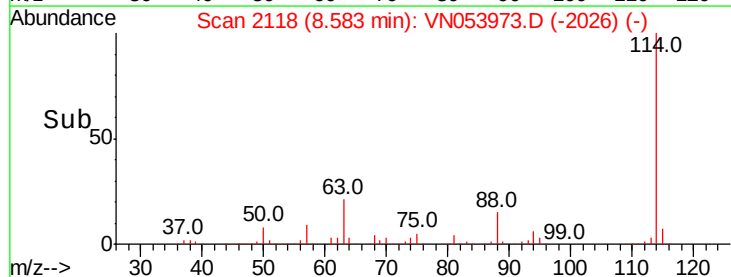
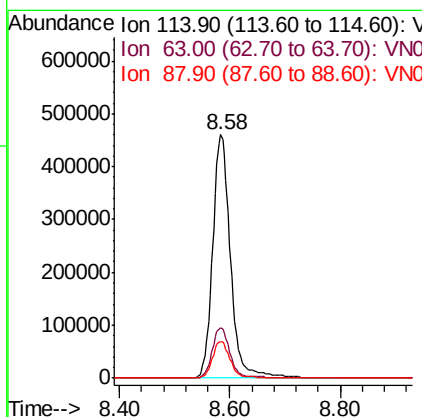
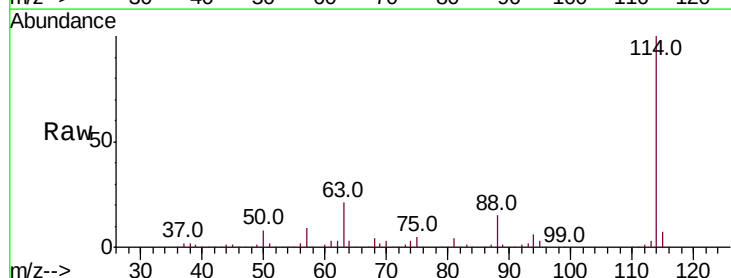
Instrument :
 MSVOA_N
 ClientSampleId :

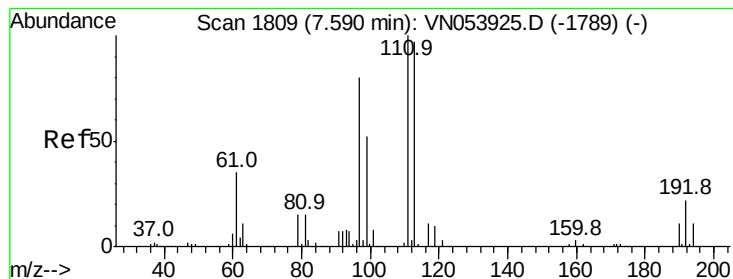
Tot Ion: 65 Resp: 359341
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

Tgt Ion:114 Resp: 1030368
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 37.4
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.066 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :
MSVOA_N
ClientSampleId :

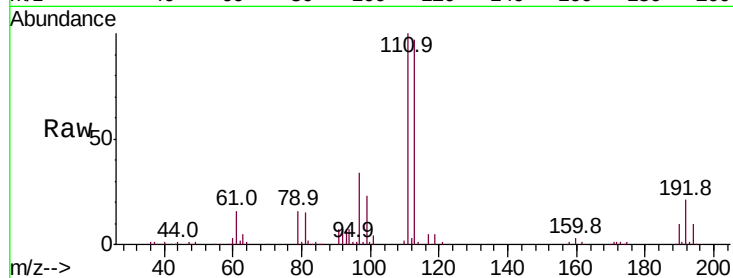
Tot Ion:113 Resp: 320264

Ion Ratio Lower Upper

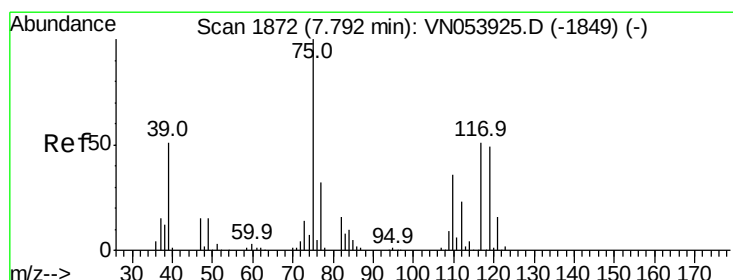
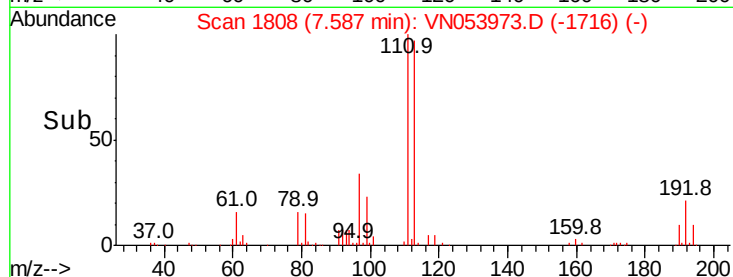
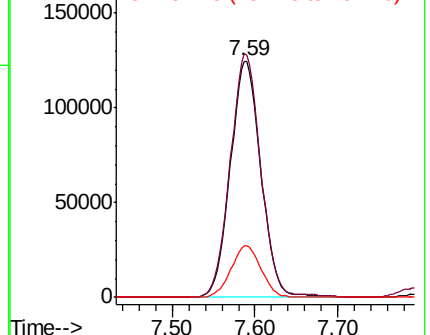
113 100

111 101.9 81.1 121.7

192 21.5 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: 18.980 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

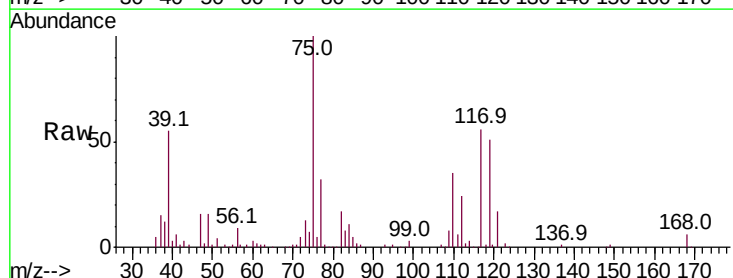
Tgt Ion: 75 Resp: 181870

Ion Ratio Lower Upper

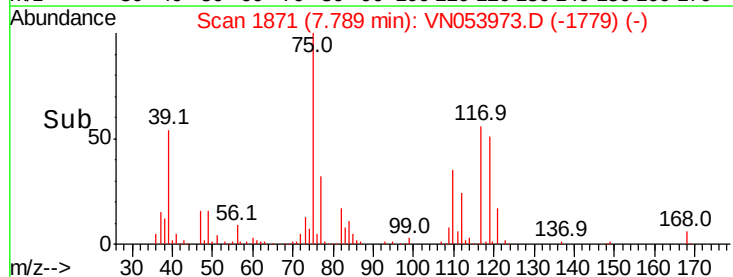
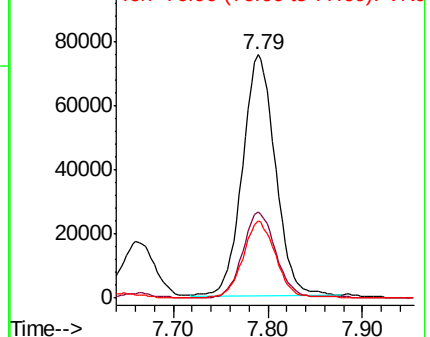
75 100

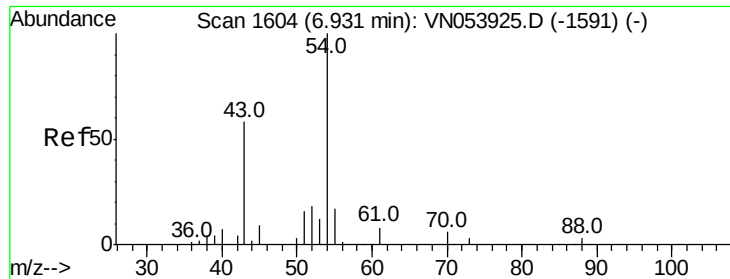
110 35.8 19.0 57.0

77 32.0 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

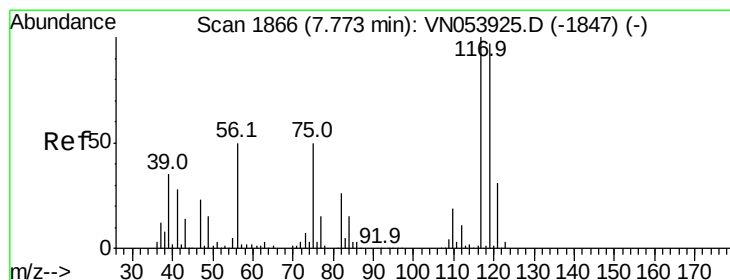
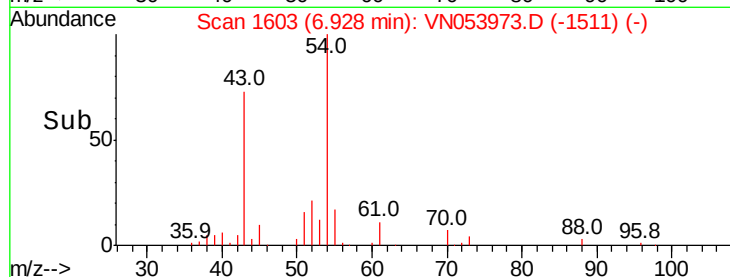
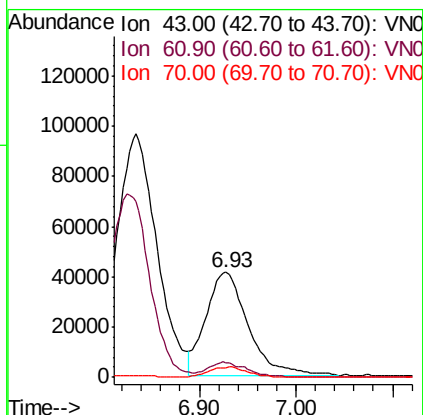
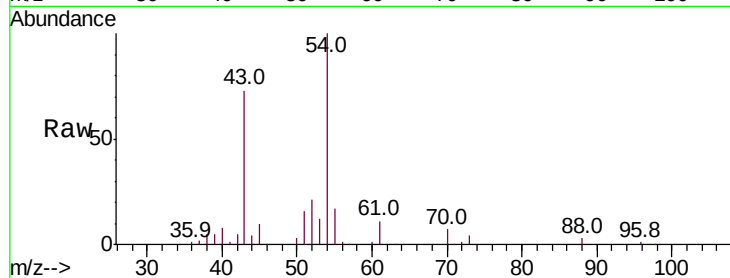




#37
Ethyl Acetate
Concen: 18.335 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

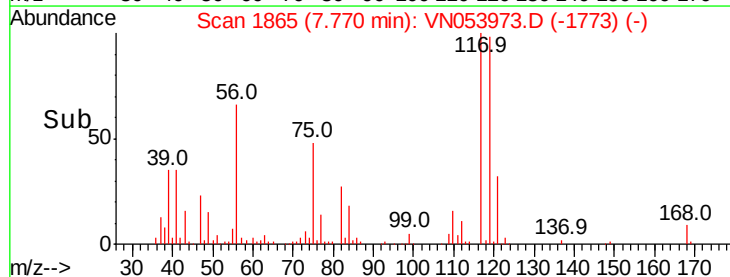
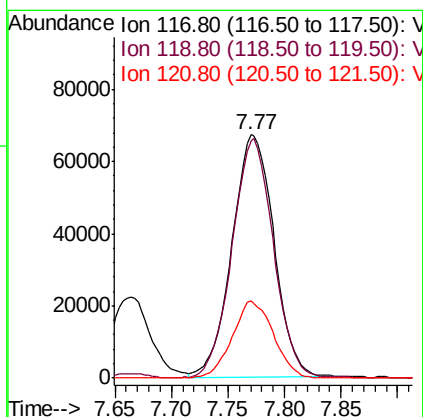
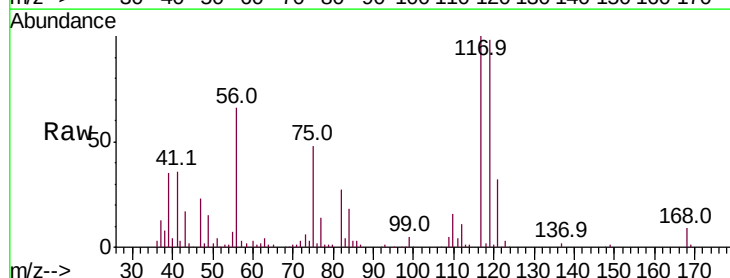
Instrument :
MSVOA_N
ClientSampled :

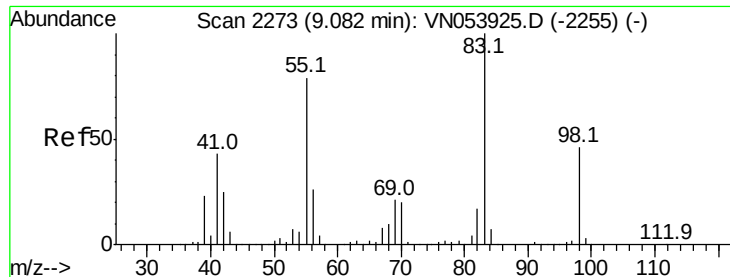
Tot Ion: 43 Resp: 125449
Ion Ratio Lower Upper
43 100
61 13.1 12.0 18.0
70 9.4 8.7 13.1



#38
Carbon Tetrachloride
Concen: 17.392 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion: 117 Resp: 173327
Ion Ratio Lower Upper
117 100
119 97.9 76.2 114.2
121 31.9 24.6 36.8

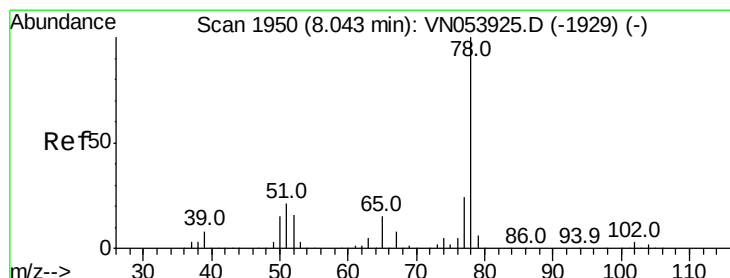
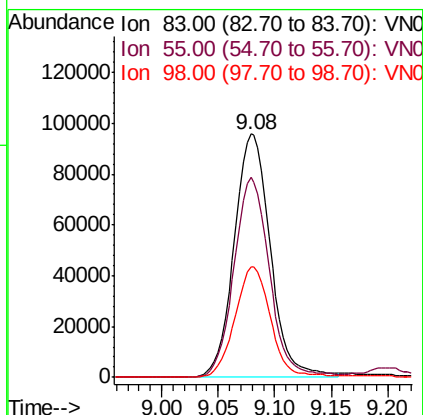
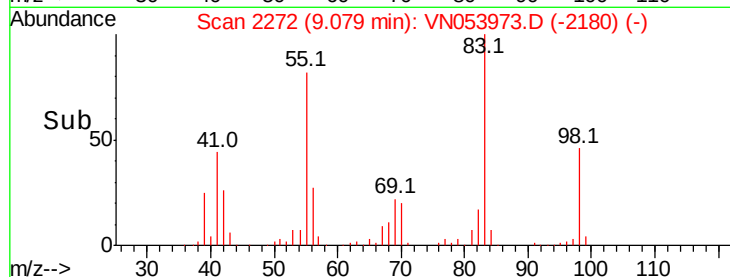
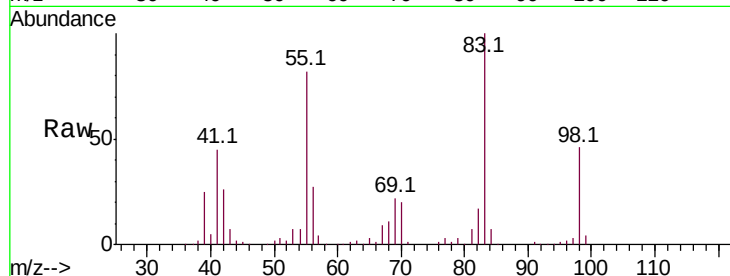




#39
Methylvlcyclohexane
Concen: 18.523 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

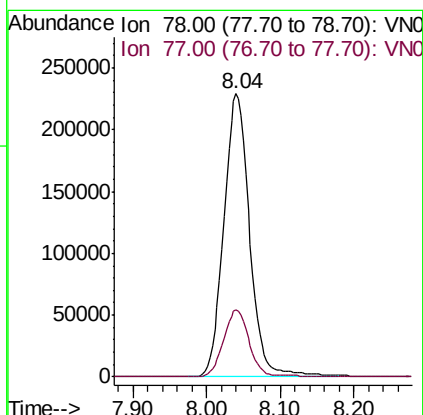
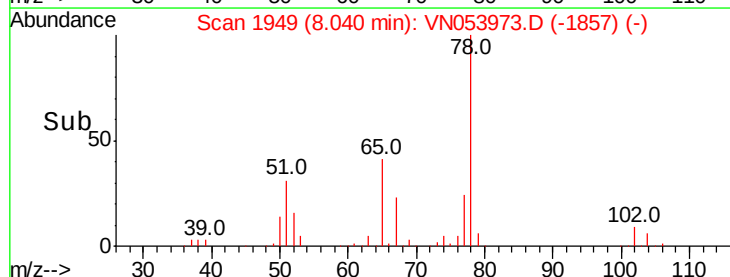
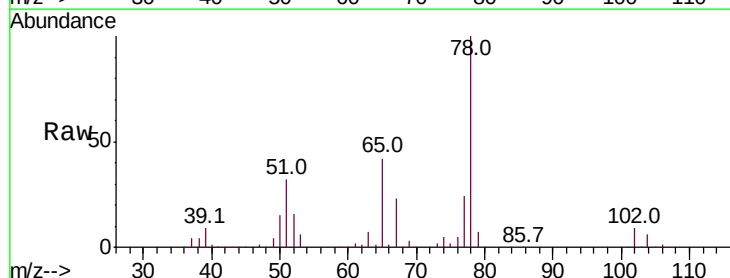
Instrument :
MSVOA_N
ClientSampleId :

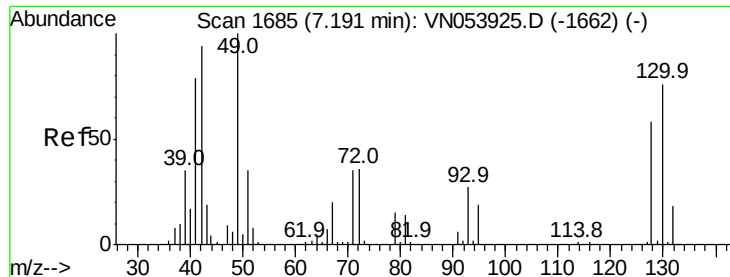
Tot Ion: 83 Resp: 213922
Ion Ratio Lower Upper
83 100
55 82.1 58.2 87.4
98 45.5 37.2 55.8



#40
Benzene
Concen: 18.968 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion: 78 Resp: 558354
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2





#41

Methacrylonitrile

Concen: 17.565 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.01 min

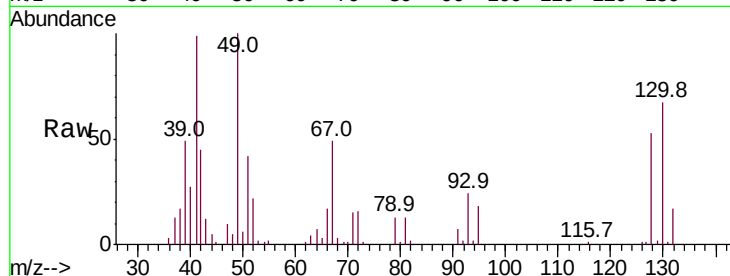
Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

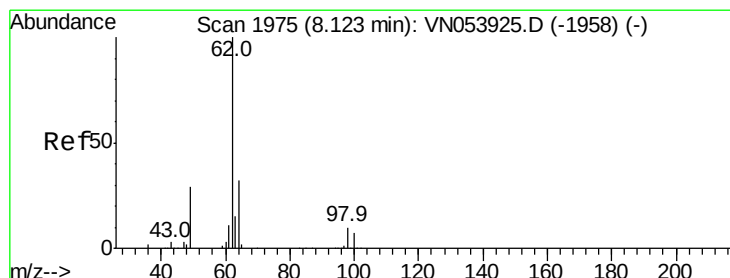
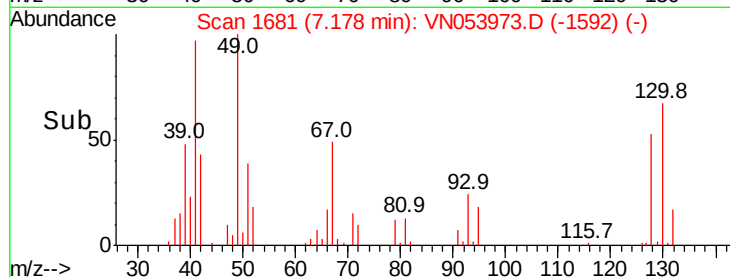
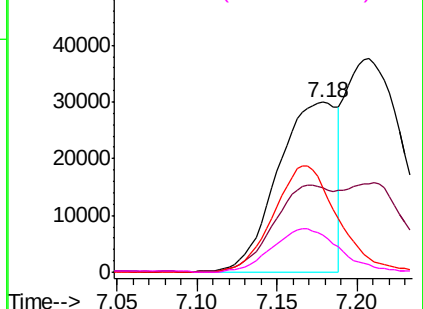
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 77383

Ion	Ratio	Lower	Upper
41	100		
39	49.4	0.0	0.0#
67	67.7	0.0	0.0#
52	29.2	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: 19.281 ug/l

RT: 8.12 min Scan# 1975

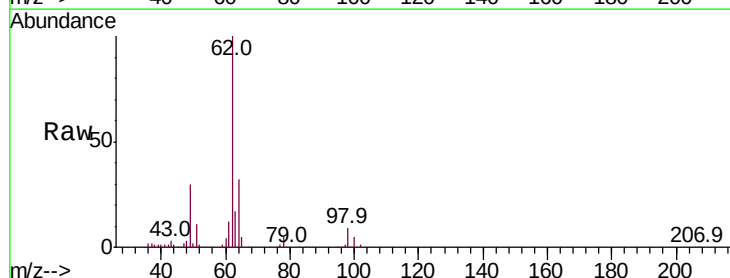
Delta R.T. 0.00 min

Lab File: VN053973.D

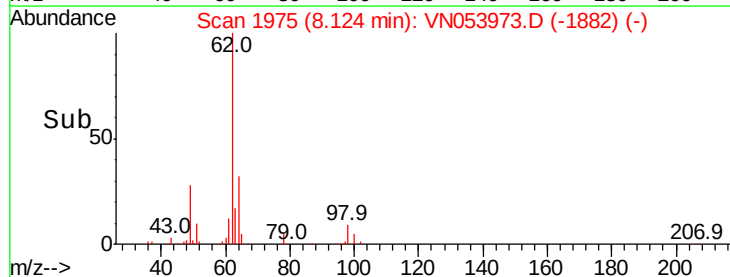
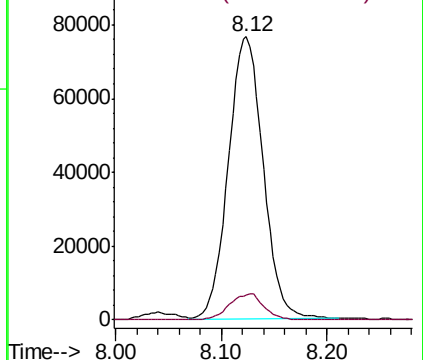
Acq: 27 Feb 2019 17:30

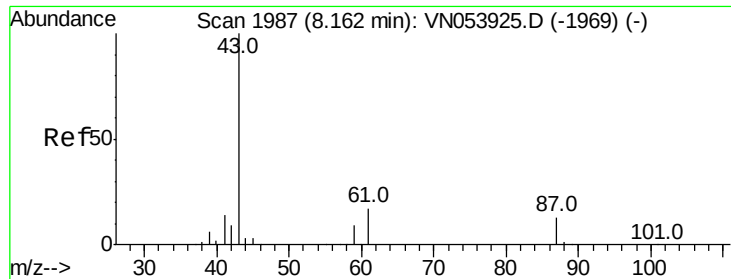
Tgt Ion: 62 Resp: 175712

Ion	Ratio	Lower	Upper
62	100		
98	9.0	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: 17.910 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

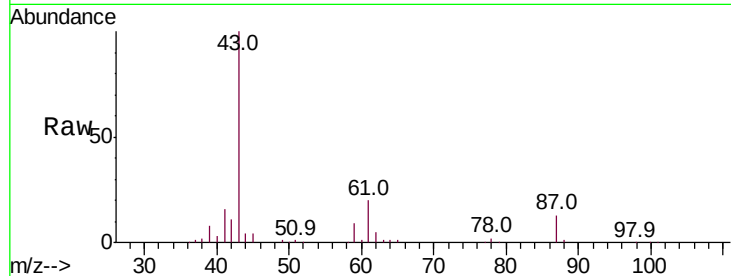
Tot Ion: 43 Resp: 206896

Ion Ratio Lower Upper

43 100

61 18.9 17.4 26.0

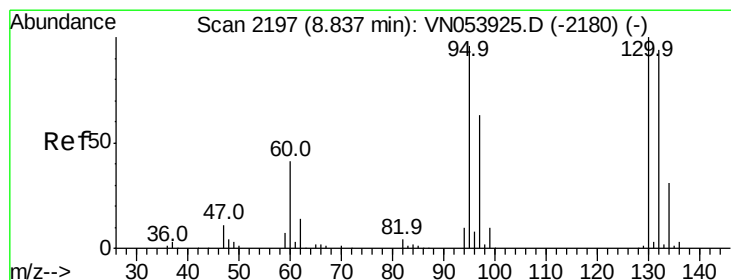
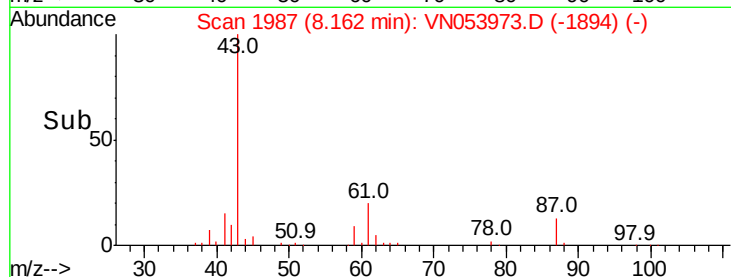
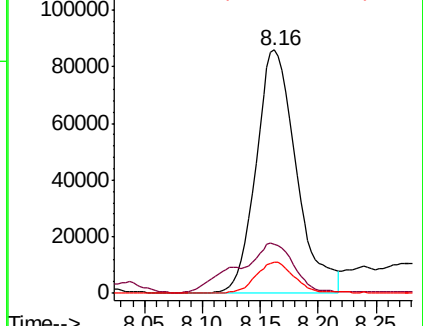
87 12.0 11.5 17.3



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

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

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



#44

Trichloroethene

Concen: 18.302 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053973.D

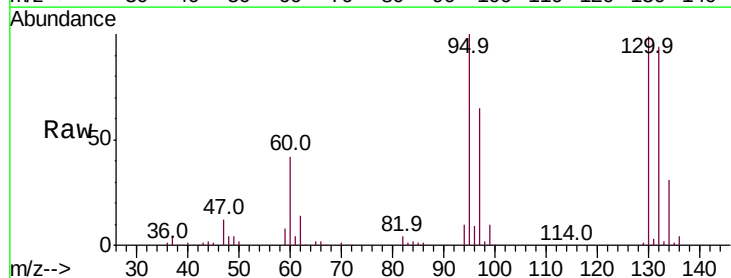
Acq: 27 Feb 2019 17:30

Tgt Ion:130 Resp: 142830

Ion Ratio Lower Upper

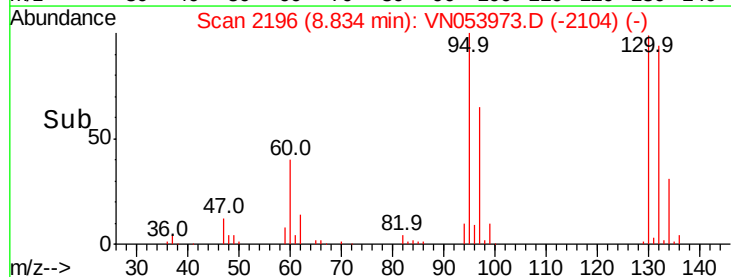
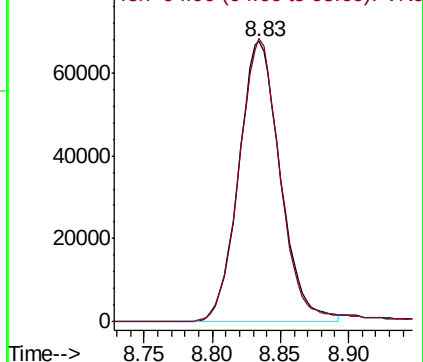
130 100

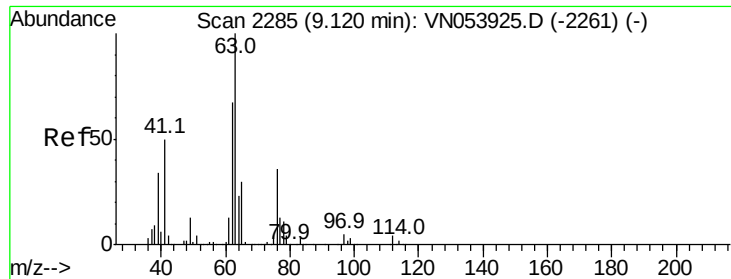
95 101.0 0.0 190.0



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

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





#45

1,2-Dichloropropane

Concen: 19.208 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

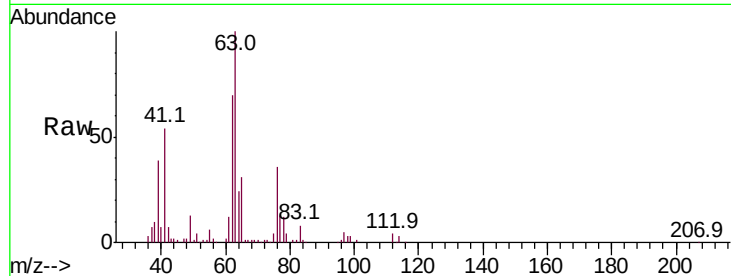
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 152549

Ion Ratio Lower Upper

63 100

65 31.2 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.12

80000

60000

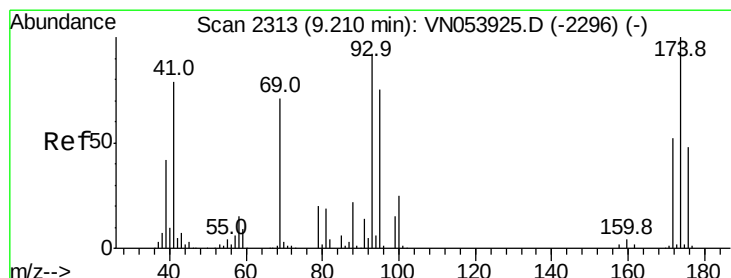
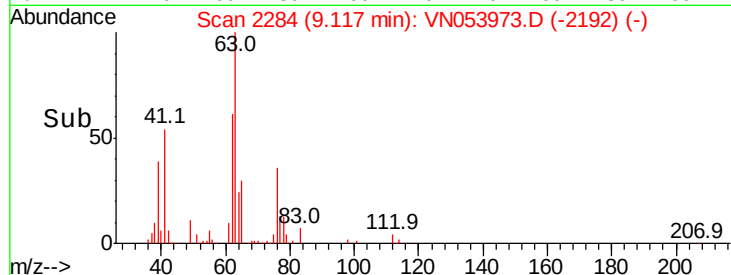
40000

20000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 18.790 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

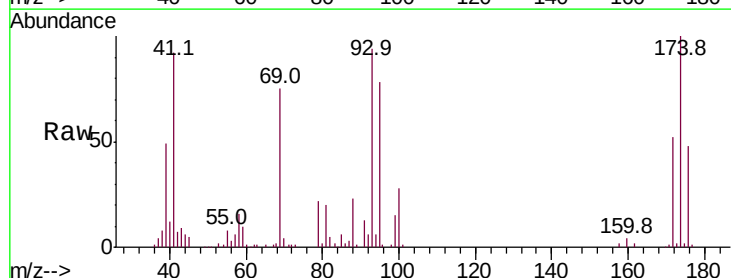
Tgt Ion: 93 Resp: 86634

Ion Ratio Lower Upper

93 100

95 84.1 66.6 100.0

174 105.5 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

60000

50000

40000

30000

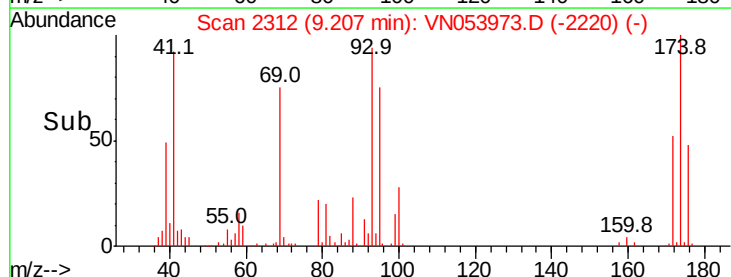
20000

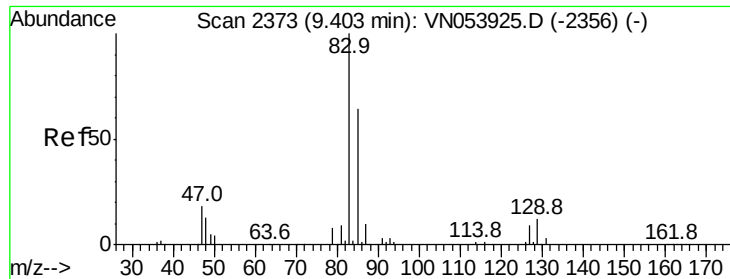
10000

0

Time-->

9.10 9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 18.989 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :
MSVOA_N
ClientSampled :

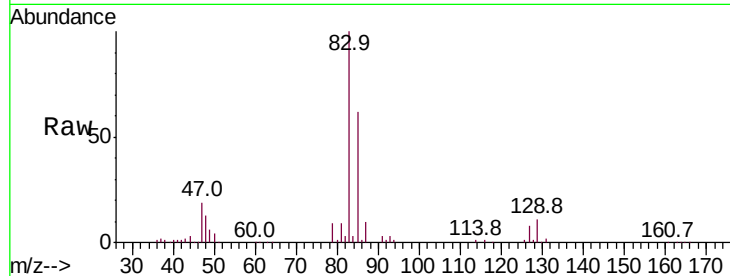
Tot Ion: 83 Resp: 184511

Ion Ratio Lower Upper

83 100

85 61.6 51.8 77.6

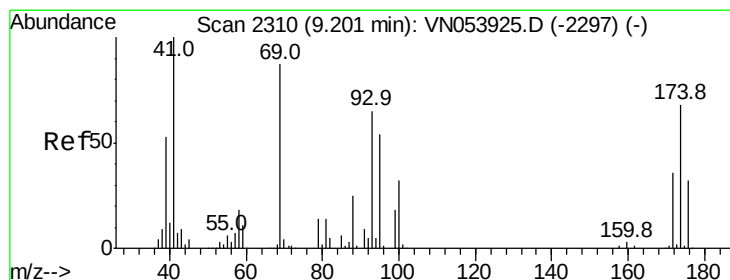
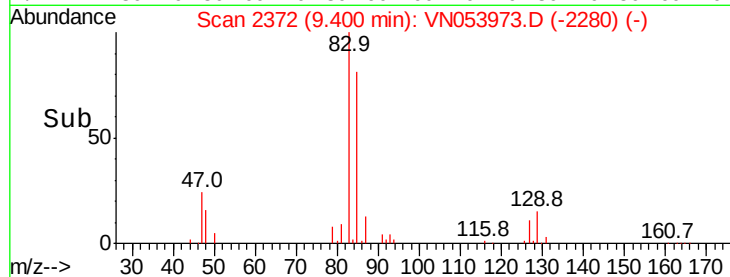
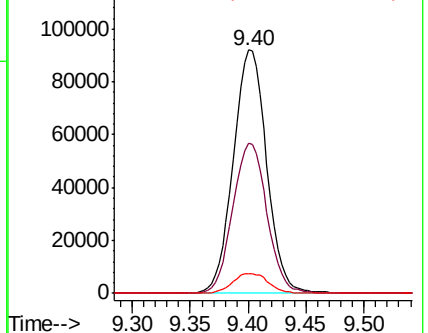
127 8.3 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN053973.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN053973.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN053973.D (-2280) (-)



#48

Methyl methacrylate

Concen: 18.431 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

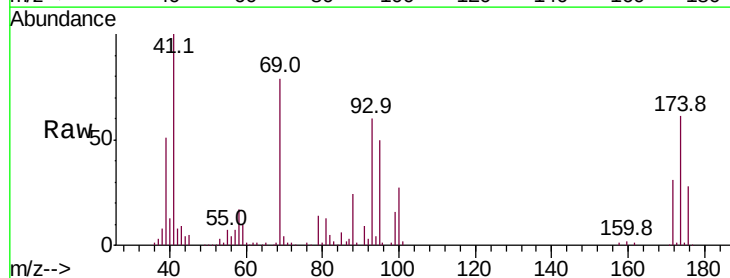
Tgt Ion: 41 Resp: 97937

Ion Ratio Lower Upper

41 100

69 88.9 74.8 112.2

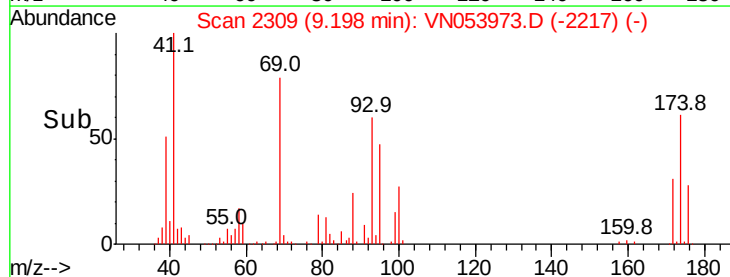
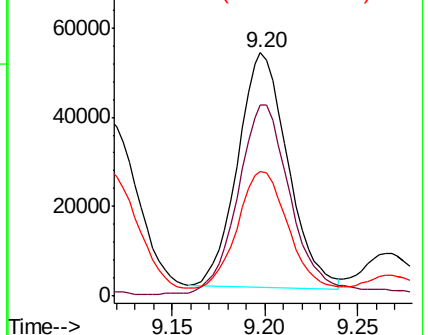
39 57.4 39.0 58.6

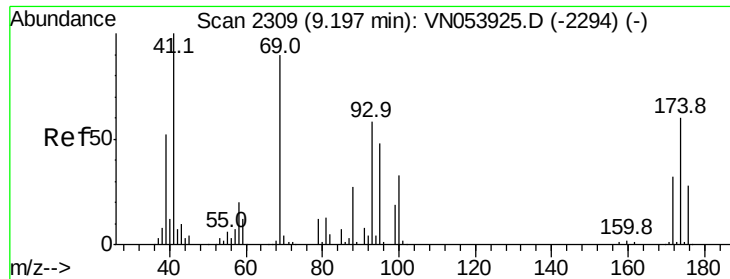


Abundance Ion 41.00 (40.70 to 41.70): VN053973.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN053973.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN053973.D (-2217) (-)





#49

1,4-Dioxane

Concen: 385.831 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

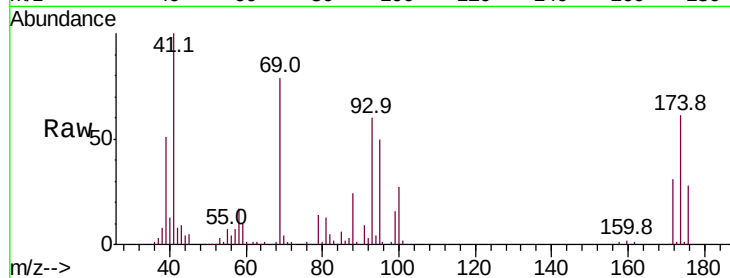
Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

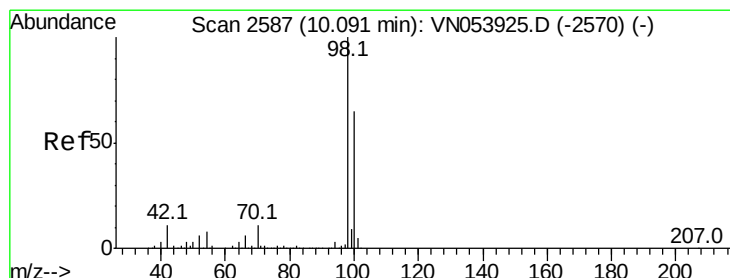
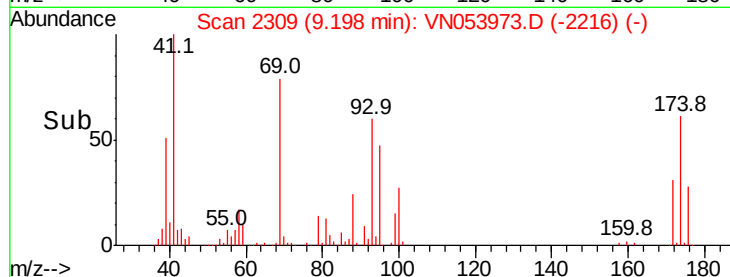
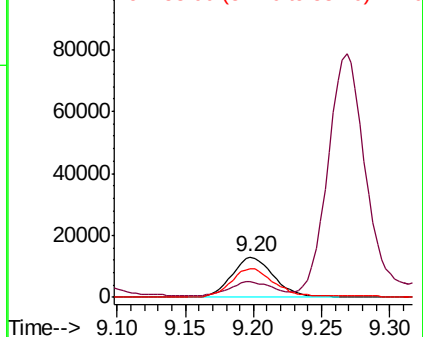
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 27768

Ion	Ratio	Lower	Upper
88	100		
43	35.1	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: 47.469 ug/l

RT: 10.09 min Scan# 2586

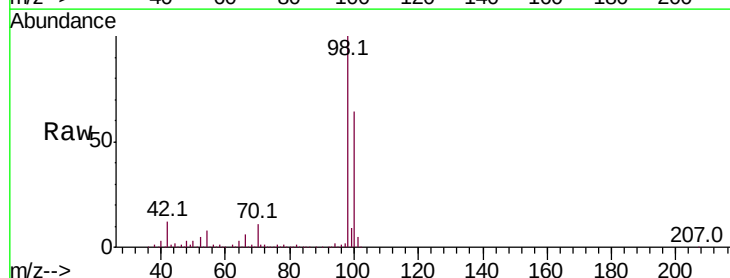
Delta R.T. -0.00 min

Lab File: VN053973.D

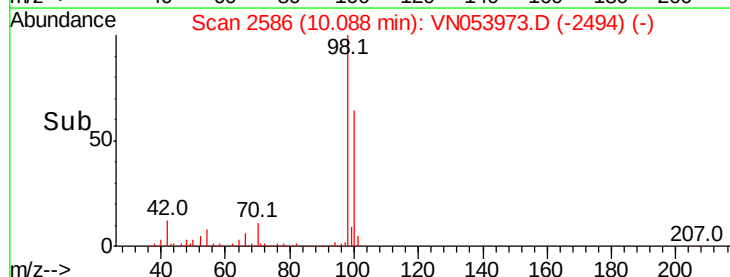
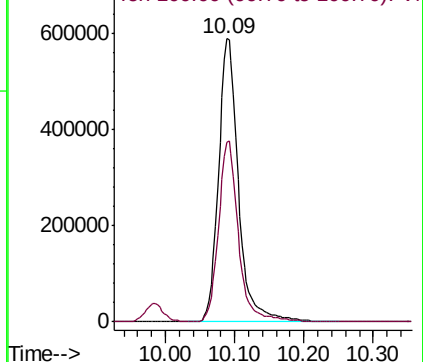
Acq: 27 Feb 2019 17:30

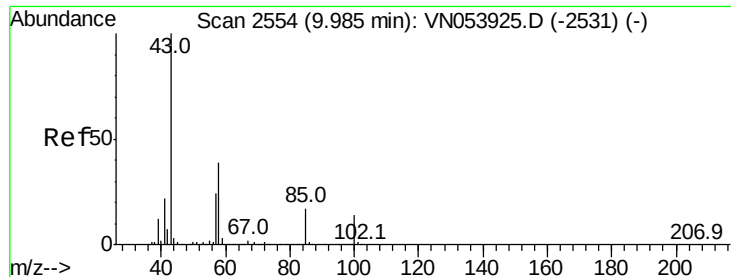
Tgt Ion: 98 Resp: 1177381

Ion	Ratio	Lower	Upper
98	100		
100	63.8	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: 94.041 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

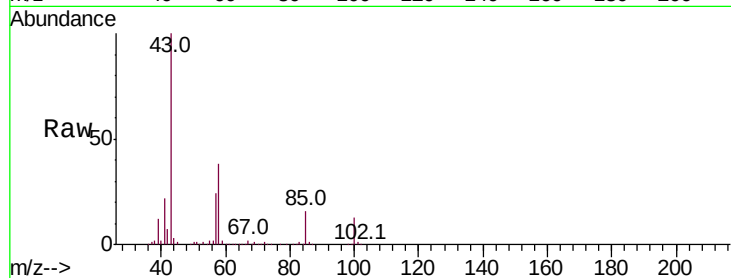
ClientSampleId :

Tot Ion: 43 Resp: 558251

Ion Ratio Lower Upper

43 100

58 37.9 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

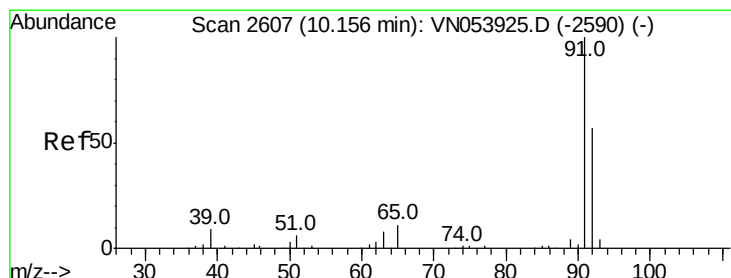
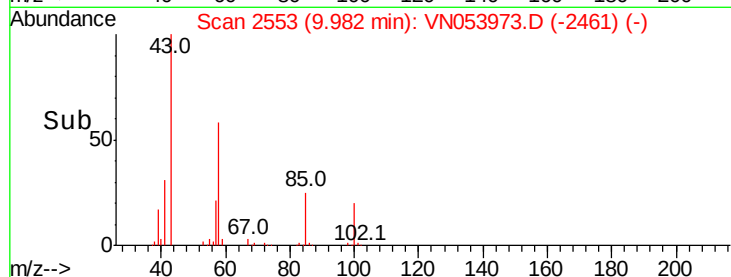
200000

100000

0

9.90 9.98 10.00 10.10

Time-->



#52

Toluene

Concen: 19.085 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053973.D

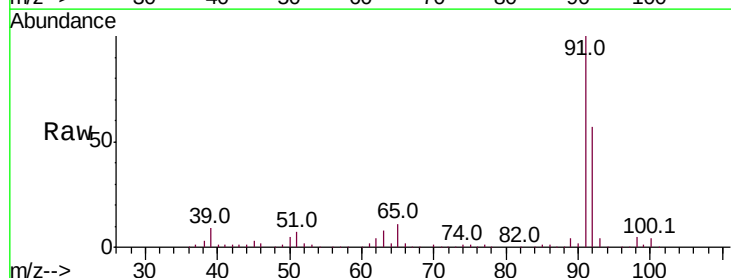
Acq: 27 Feb 2019 17:30

Tgt Ion: 92 Resp: 330807

Ion Ratio Lower Upper

92 100

91 175.4 138.4 207.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

300000

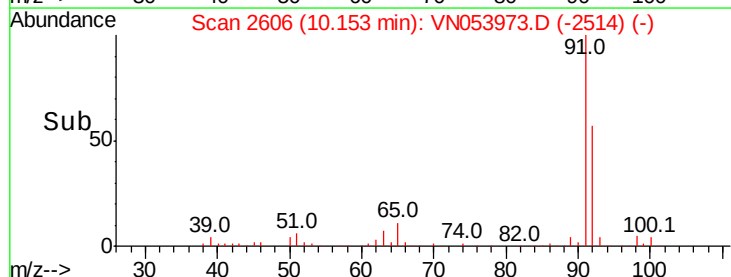
200000

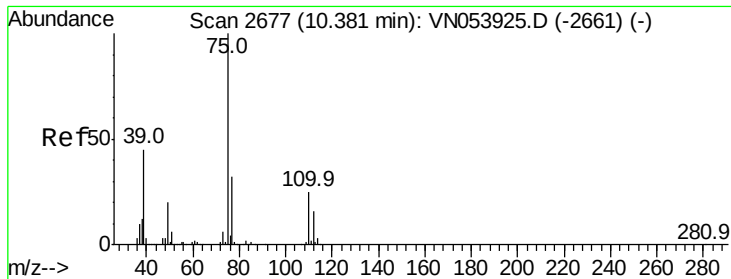
100000

0

10.10 10.15 10.20 10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.730 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

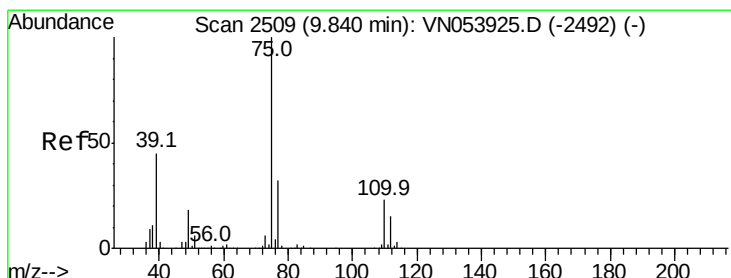
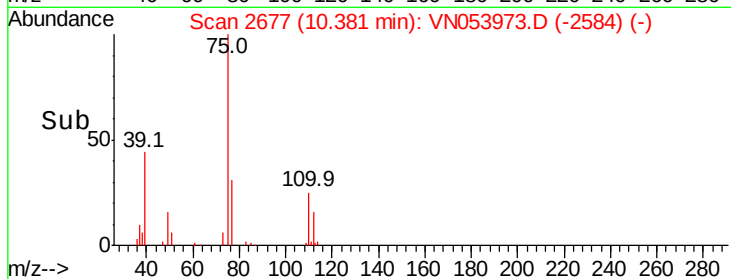
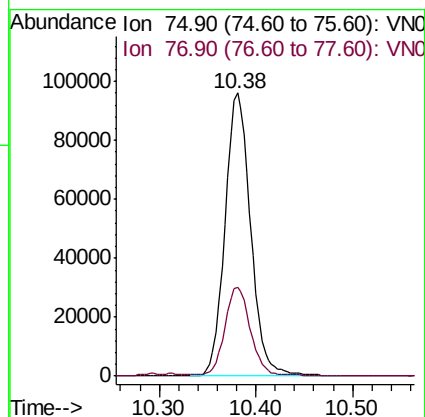
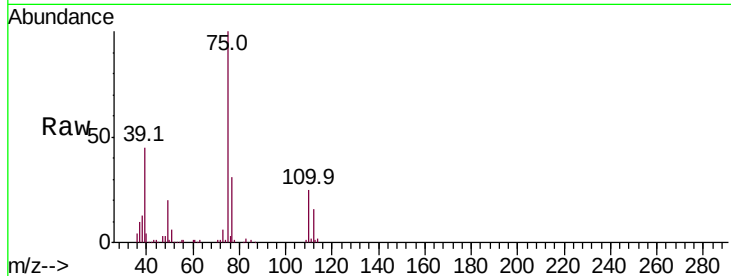
ClientSampleId :

Tot Ion: 75 Resp: 177078

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 18.867 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

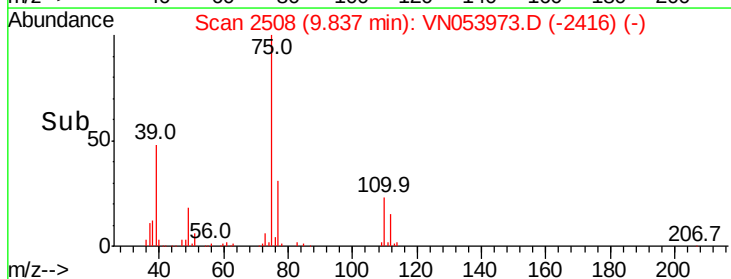
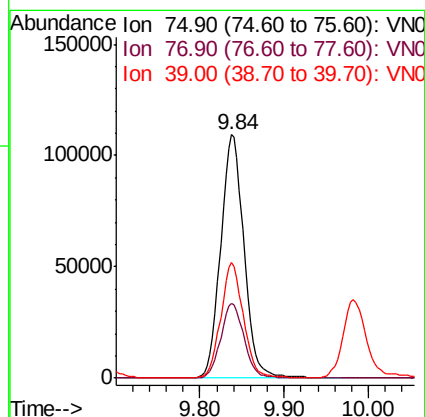
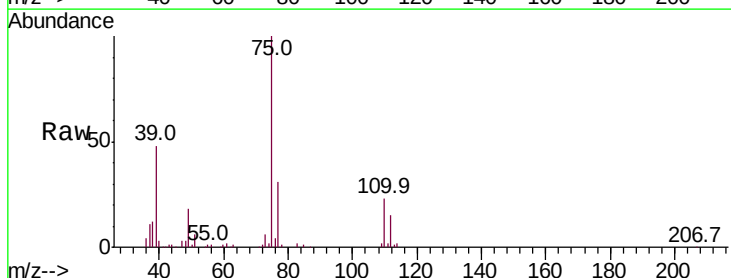
Tgt Ion: 75 Resp: 210281

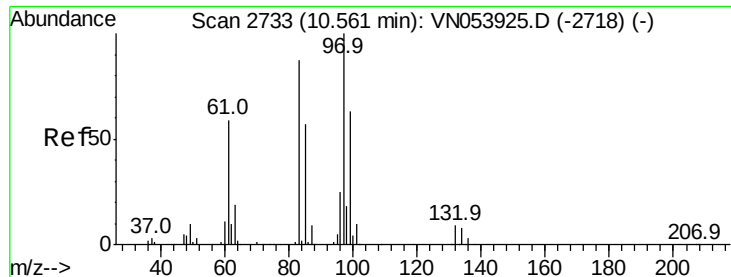
Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.6

39 47.7 31.4 47.0#





#55

1,1,2-Trichloroethane

Concen: 18.389 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

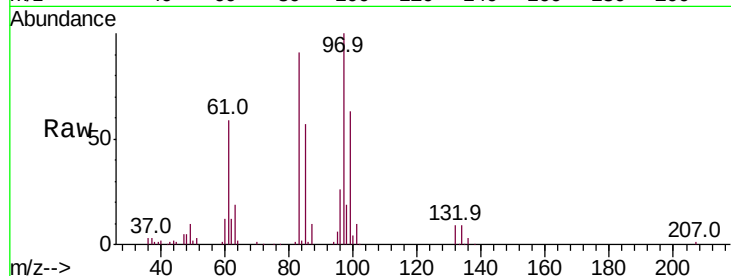
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 119037

Ion	Ratio	Lower	Upper
97	100		
83	90.8	69.5	104.3
85	57.1	45.9	68.9
99	62.9	49.1	73.7



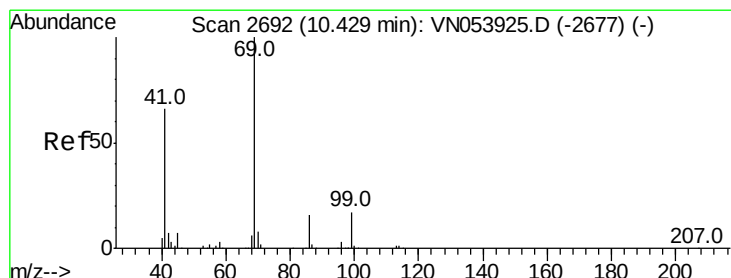
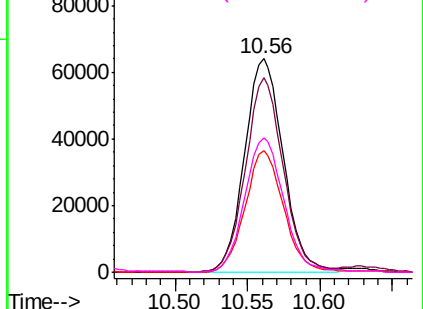
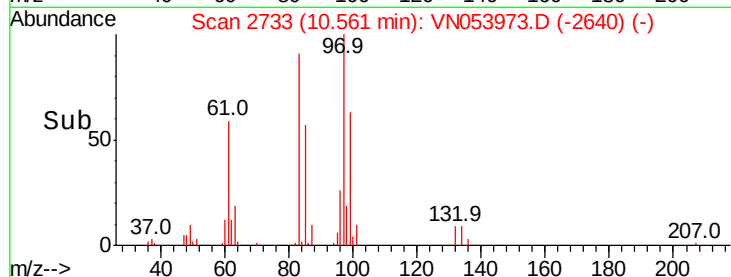
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.029 ug/l

RT: 10.43 min Scan# 2691

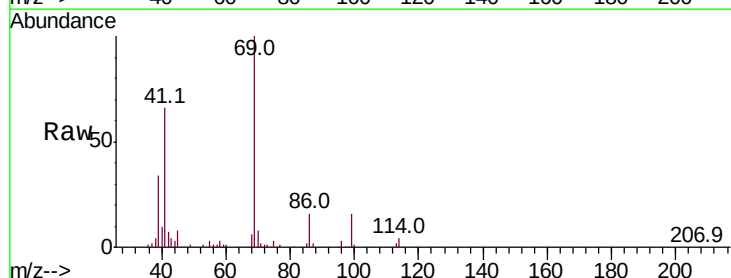
Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Tgt Ion: 69 Resp: 141982

Ion	Ratio	Lower	Upper
69	100		
41	69.3	47.5	71.3
39	33.8	23.4	35.0

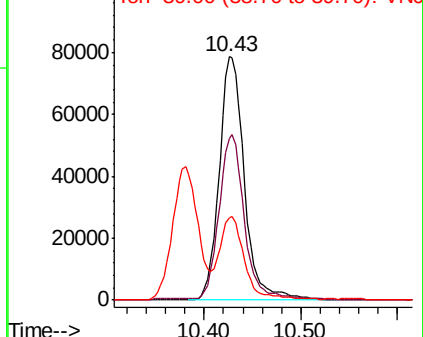
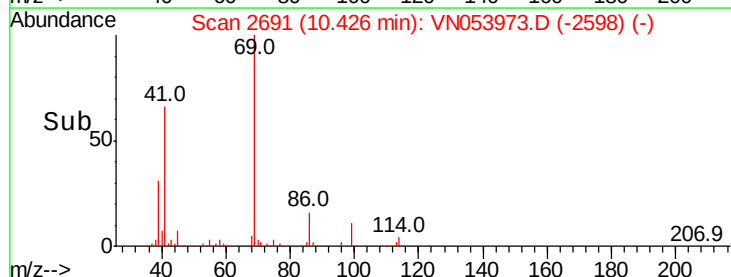


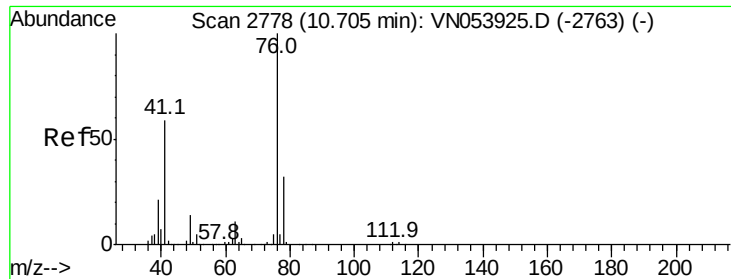
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.149 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

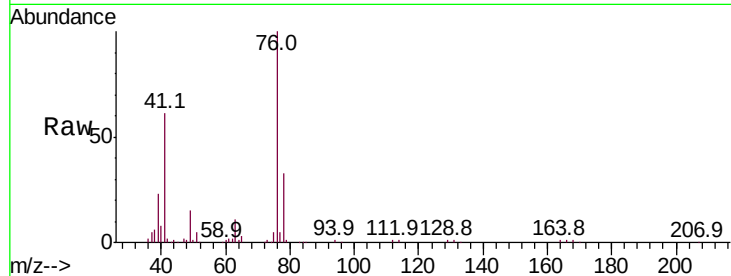
ClientSampled :

Tot Ion: 76 Resp: 209442

Ion Ratio Lower Upper

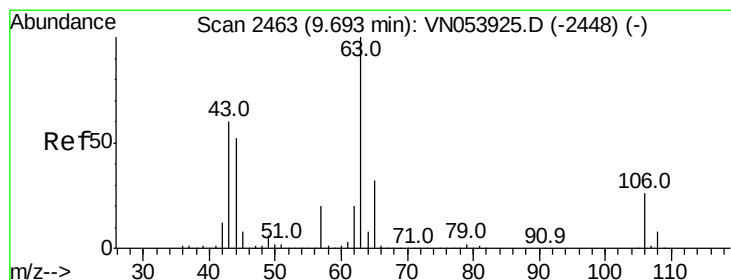
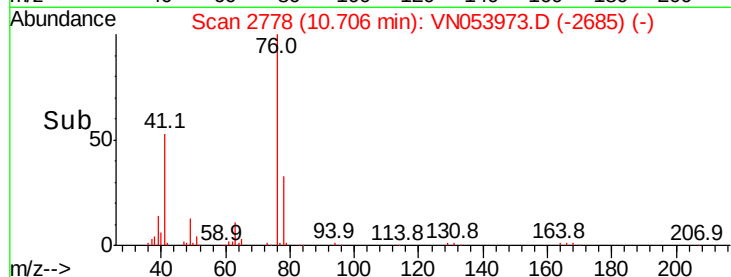
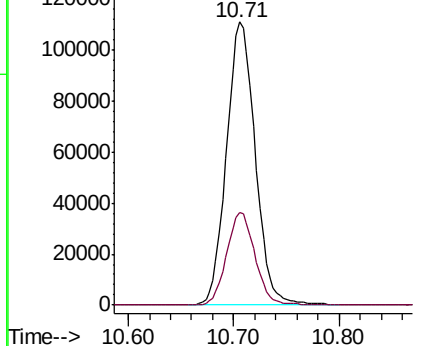
76 100

78 32.1 25.2 37.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.163 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053973.D

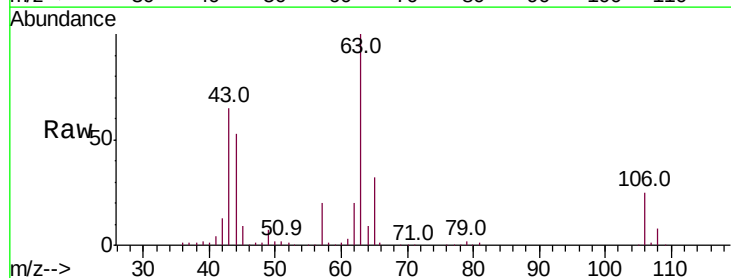
Acq: 27 Feb 2019 17:30

Tgt Ion: 63 Resp: 349158

Ion Ratio Lower Upper

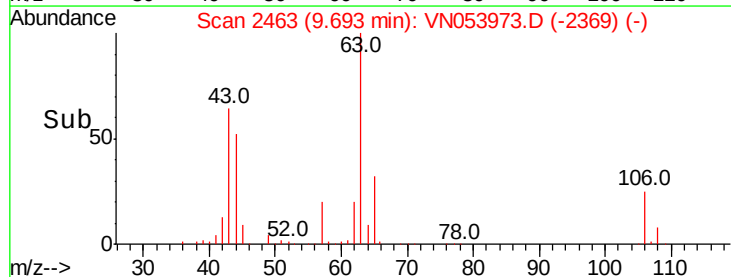
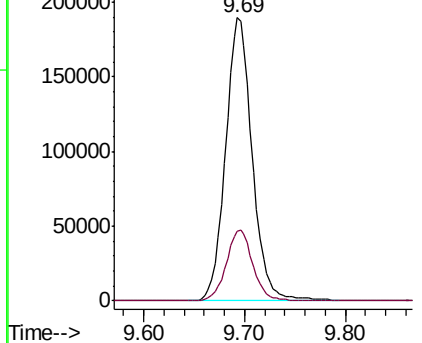
63 100

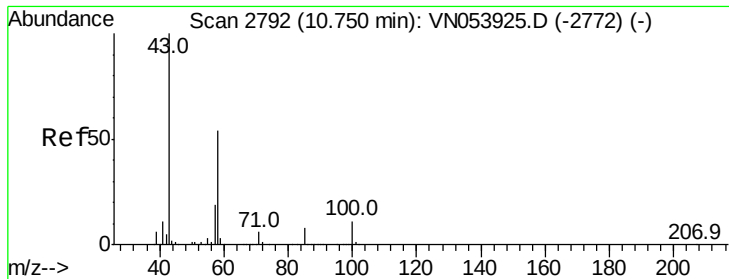
106 25.0 22.2 33.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

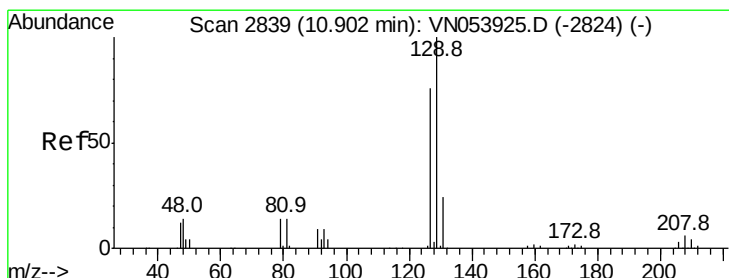
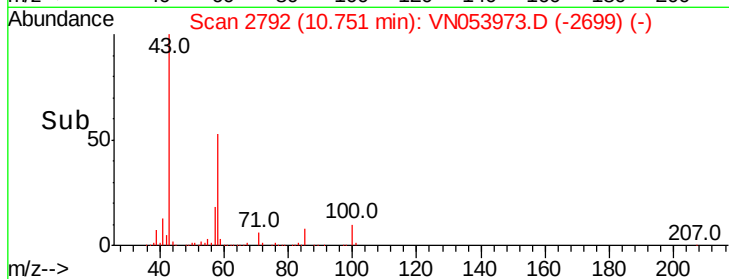
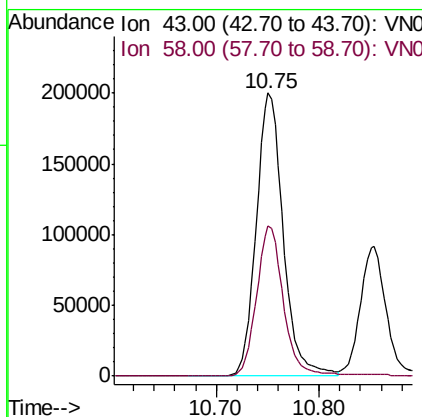
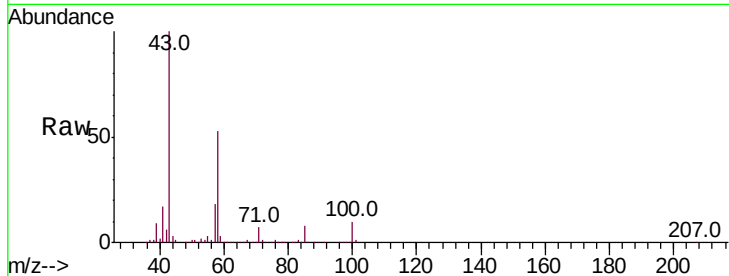




#59
2-Hexanone
Concen: 93.143 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

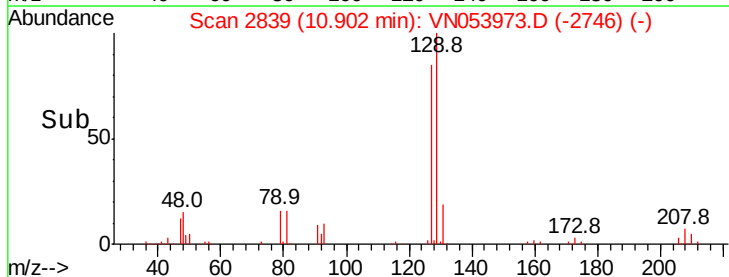
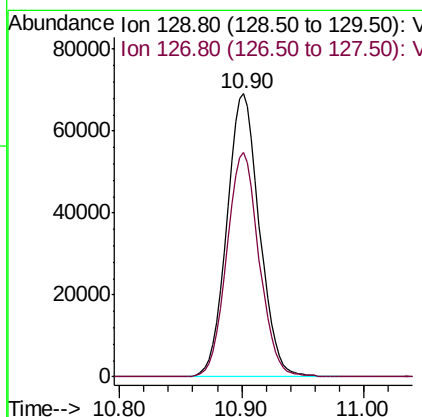
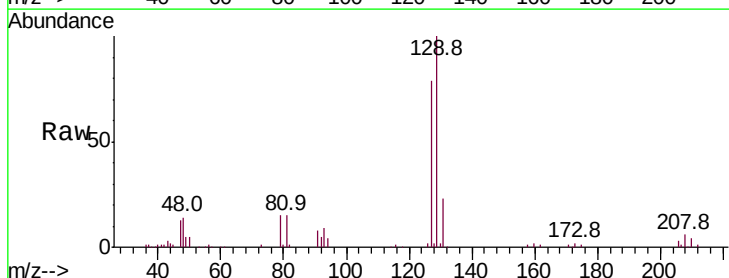
Instrument :
MSVOA_N
ClientSampled :

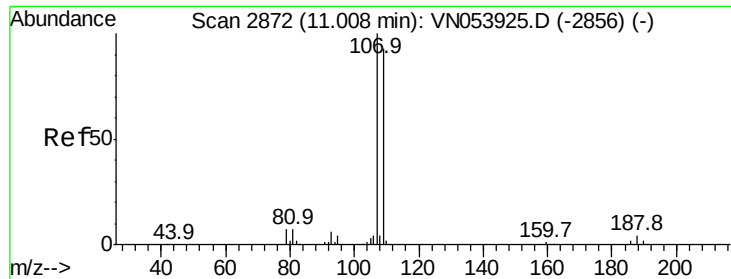
Tot Ion: 43 Resp: 359609
Ion Ratio Lower Upper
43 100
58 53.1 29.1 87.4



#60
Dibromochloromethane
Concen: 17.895 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion: 129 Resp: 128739
Ion Ratio Lower Upper
129 100
127 78.7 38.8 116.3

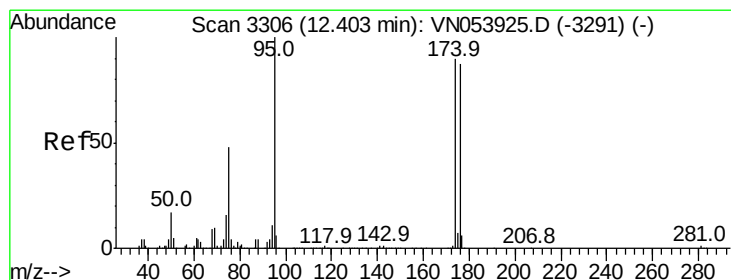
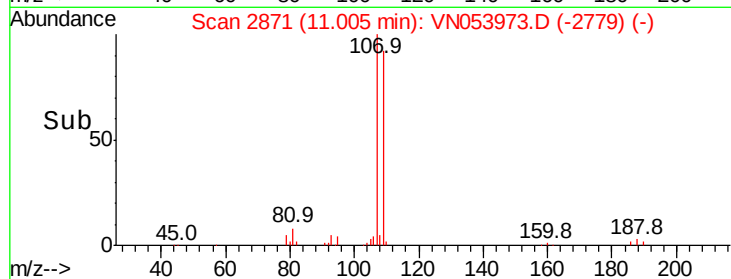
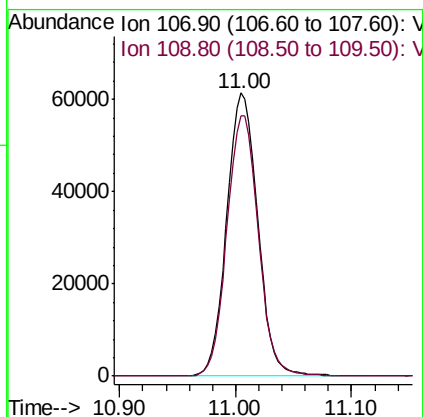
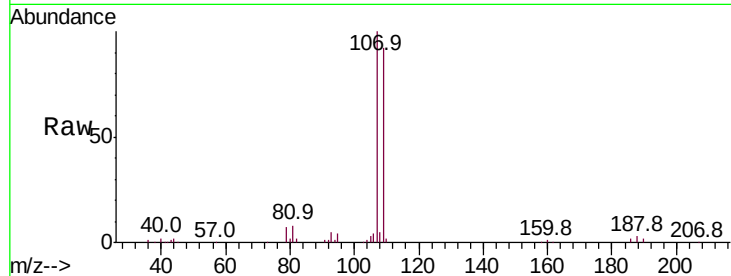




#61
 1,2-Dibromoethane
 Concen: 18.228 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

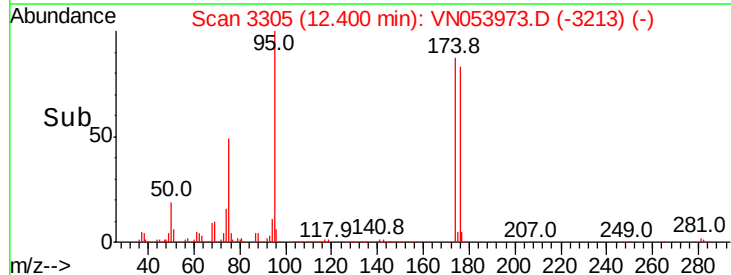
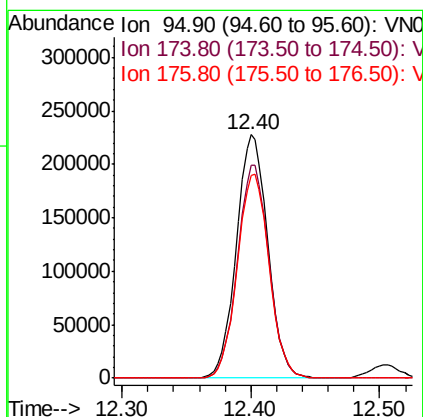
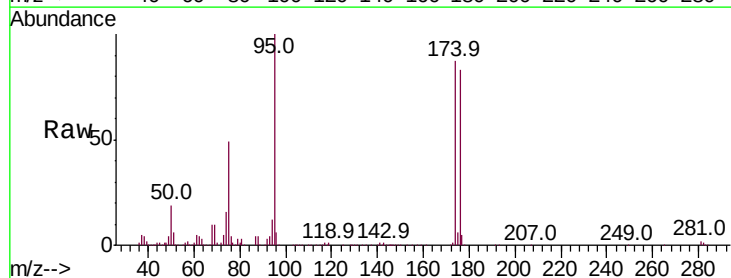
Instrument :
 MSVOA_N
 ClientSampleId :

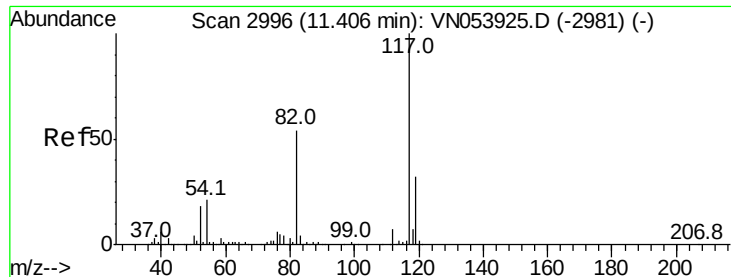
Tot Ion:107 Resp: 113826
 Ion Ratio Lower Upper
 107 100
 109 93.3 76.3 114.5



#62
 4-Bromofluorobenzene
 Concen: 46.619 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

Tgt Ion: 95 Resp: 385249
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 188.8
 176 84.8 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

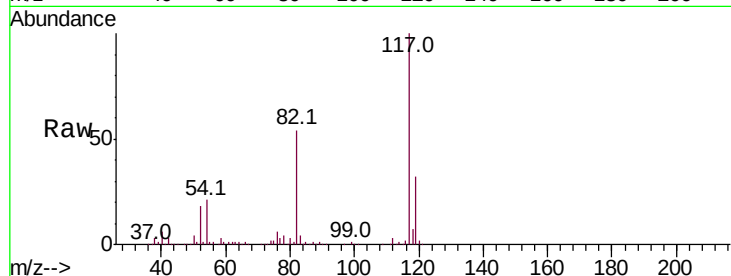
Tot Ion:117 Resp: 887484

Ion Ratio Lower Upper

117 100

82 54.2 41.4 62.2

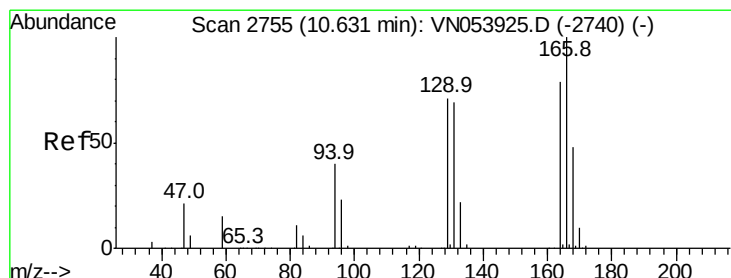
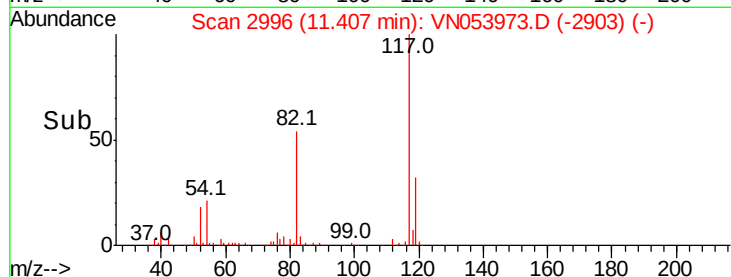
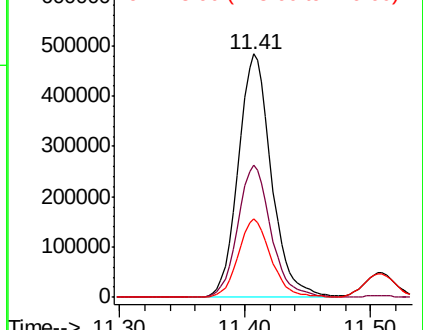
119 32.2 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 18.980 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Tgt Ion:164 Resp: 142633

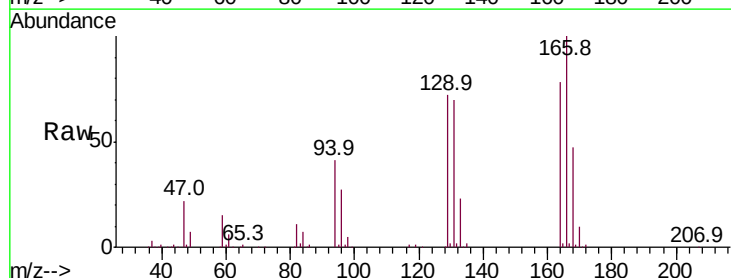
Ion Ratio Lower Upper

164 100

166 128.9 102.6 153.8

129 92.2 69.4 104.0

131 90.5 68.1 102.1

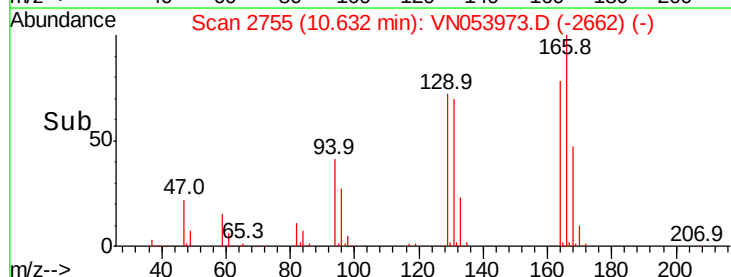
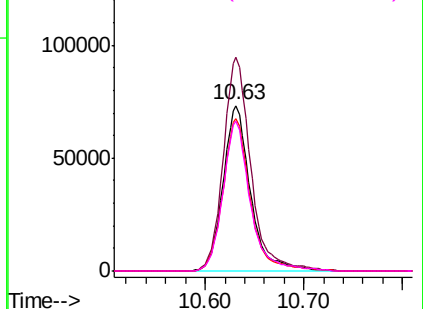


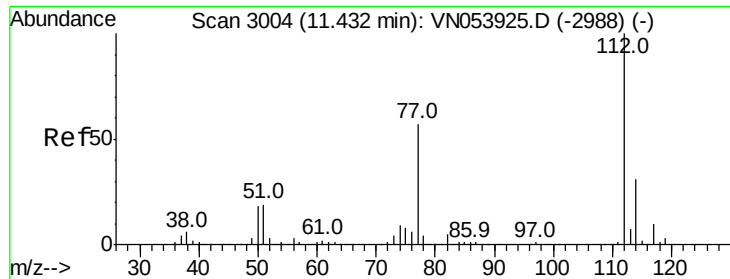
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

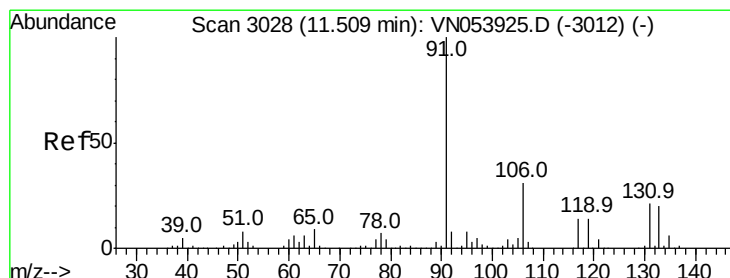
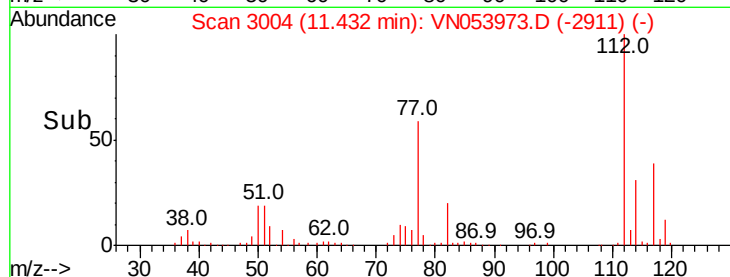
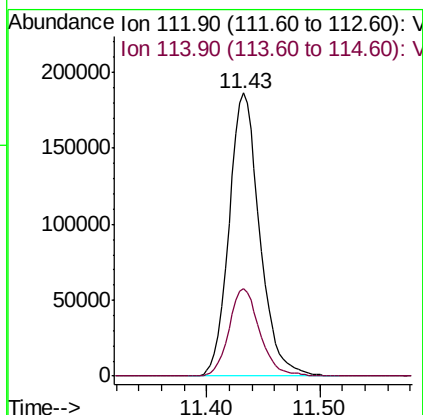
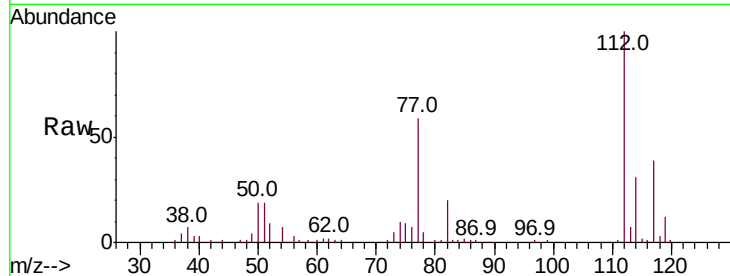




#65
Chlorobenzene
Concen: 18.738 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

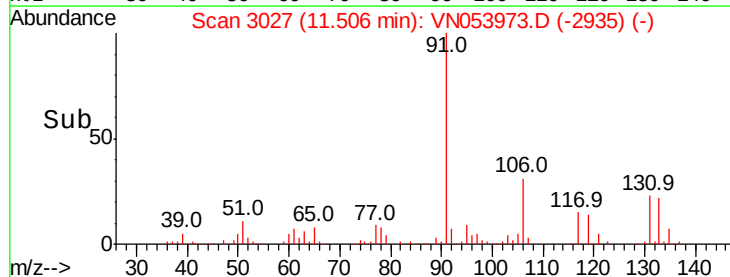
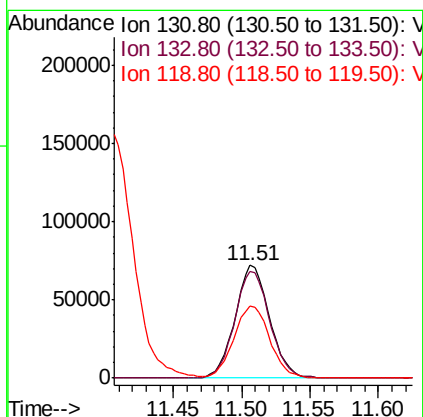
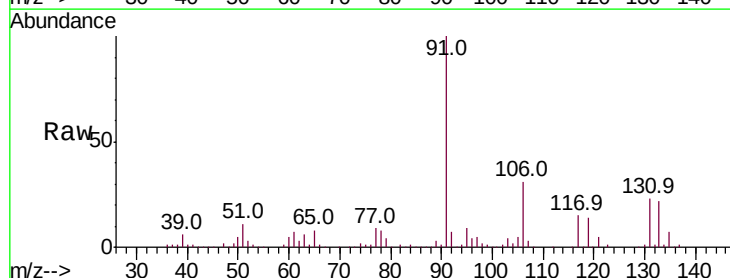
Instrument :
MSVOA_N
ClientSampleId :

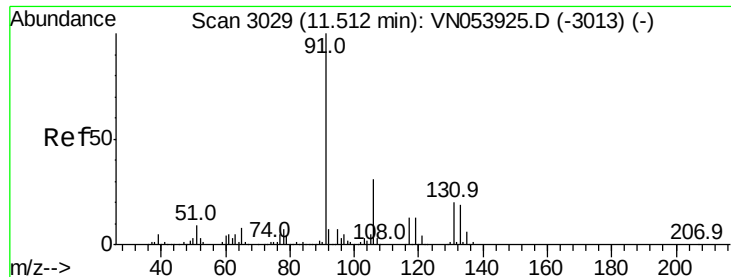
Tot Ion:112 Resp: 350964
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.750 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion:131 Resp: 126568
Ion Ratio Lower Upper
131 100
133 96.4 47.7 143.1
119 66.8 33.1 99.3

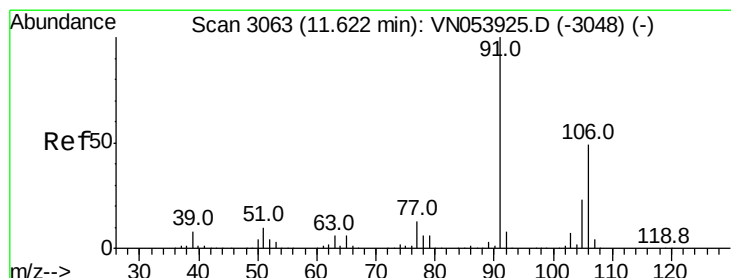
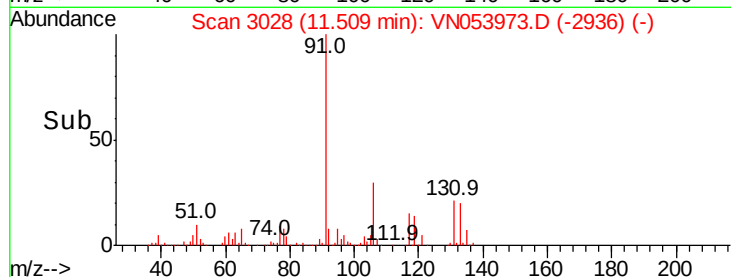
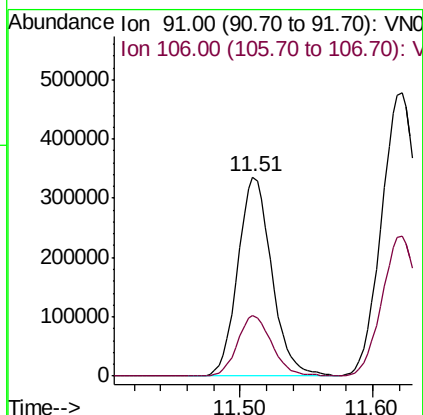
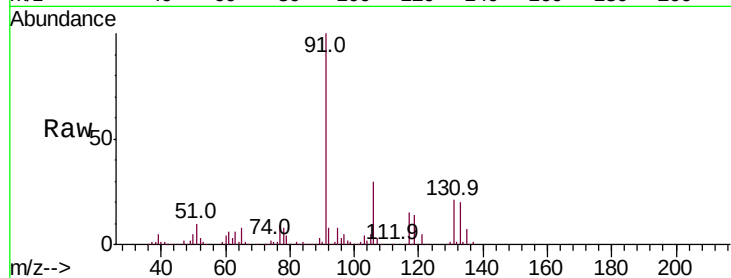




#67
Ethyl Benzene
Concen: 19.041 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

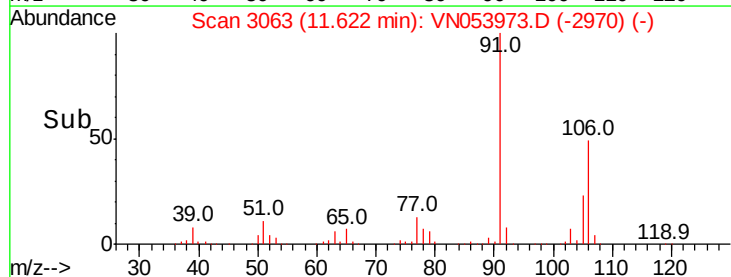
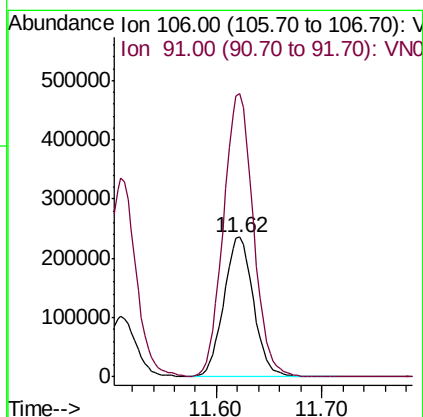
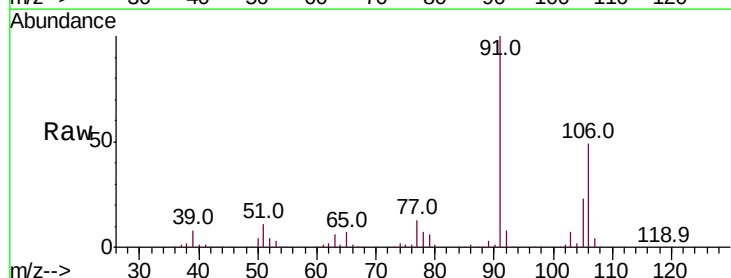
Instrument :
MSVOA_N
ClientSampled :

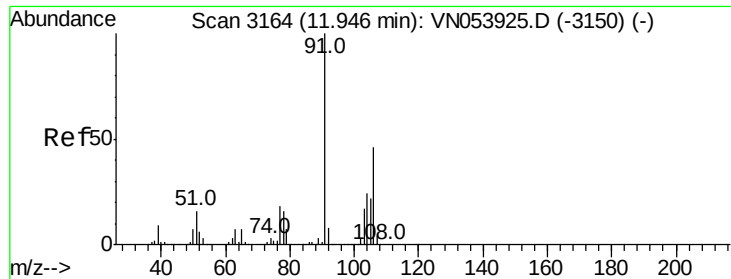
Tot Ion: 91 Resp: 597866
Ion Ratio Lower Upper
91 100
106 30.2 25.2 37.8



#68
m/p-Xylenes
Concen: 38.712 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion: 106 Resp: 458774
Ion Ratio Lower Upper
106 100
91 204.4 158.9 238.3

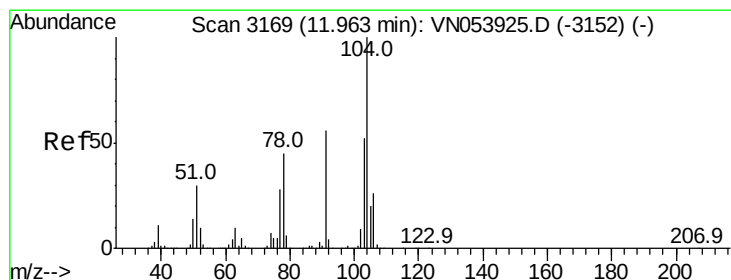
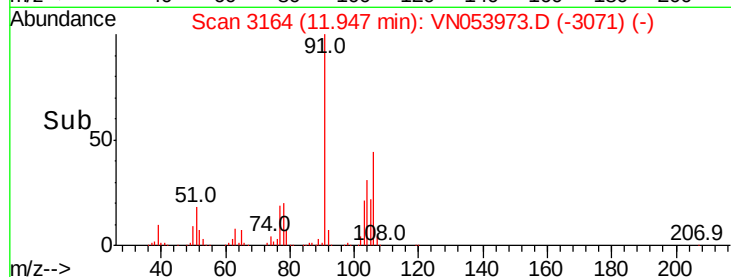
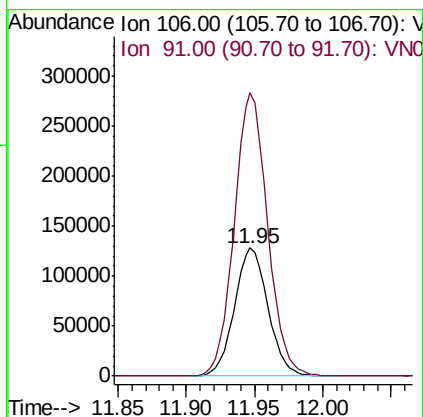
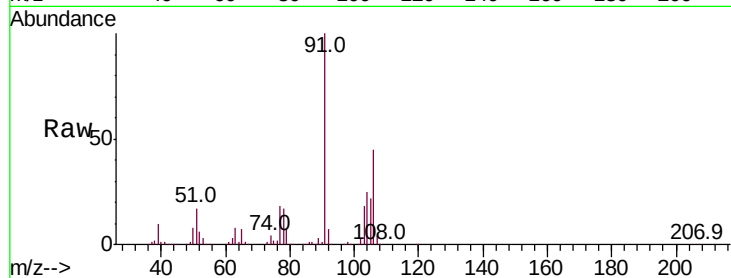




#69
o-Xylene
Concen: 18.803 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

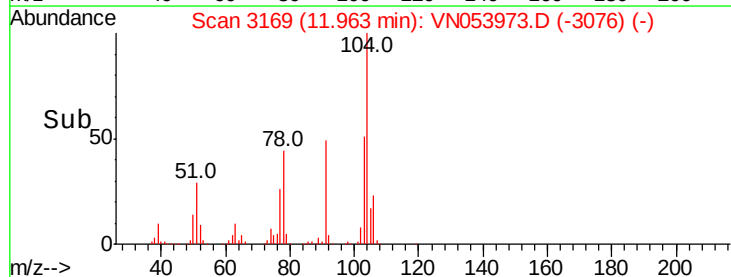
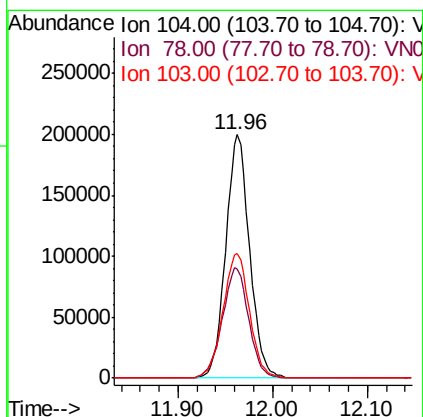
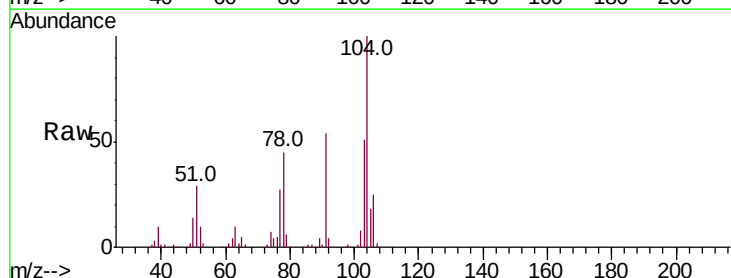
Instrument :
MSVOA_N
ClientSampleId :

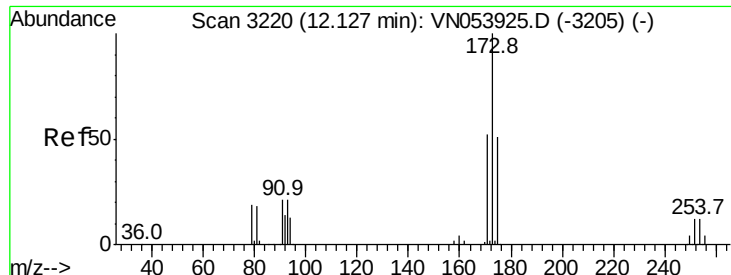
Tot Ion:106 Resp: 218955
Ion Ratio Lower Upper
106 100
91 219.0 106.0 318.0



#70
Styrene
Concen: 19.525 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion:104 Resp: 349711
Ion Ratio Lower Upper
104 100
78 50.0 38.1 57.1
103 56.7 44.6 67.0

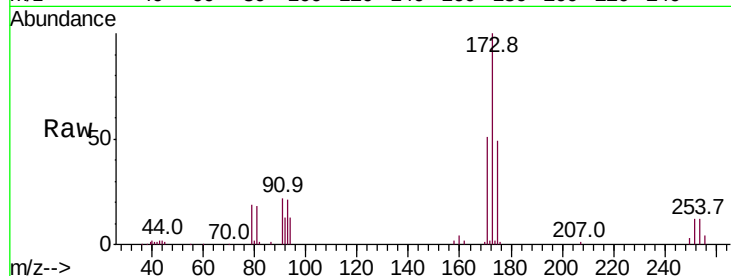




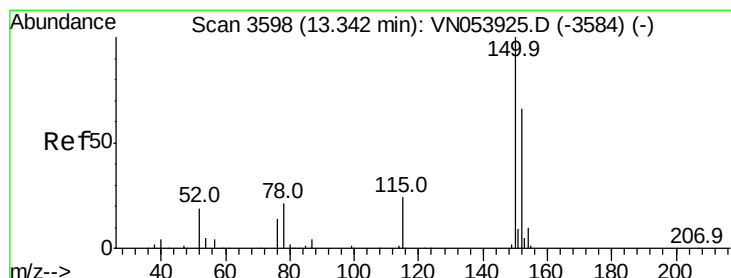
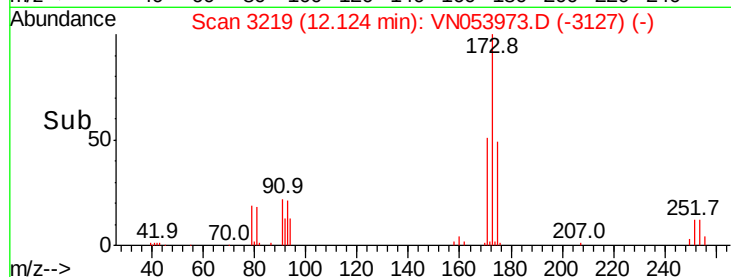
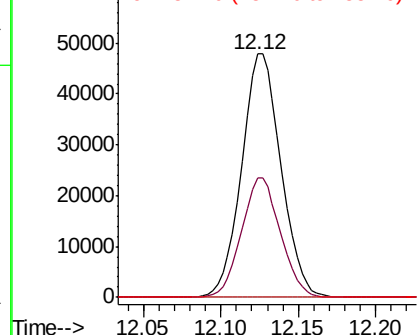
#71
Bromoform
Concen: 18.017 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 84609
Ion Ratio Lower Upper
173 100
175 48.4 24.3 72.8
254 0.0 0.2 0.2#

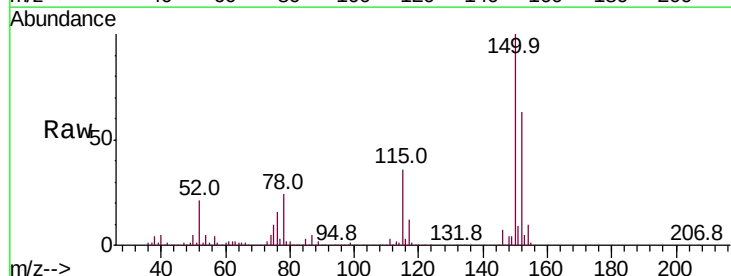


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

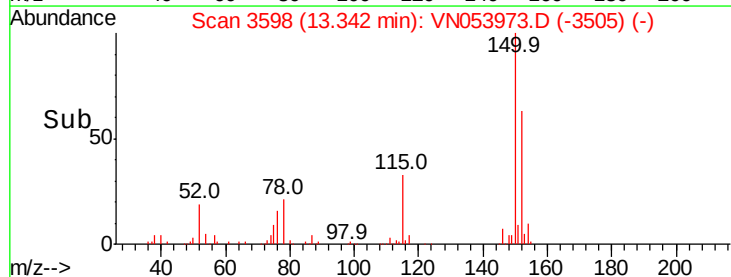
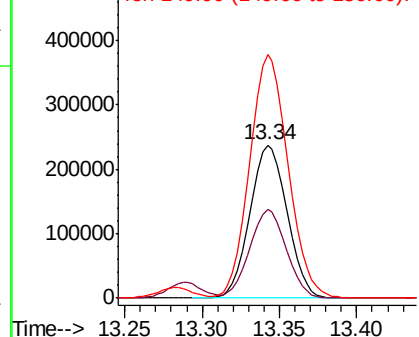


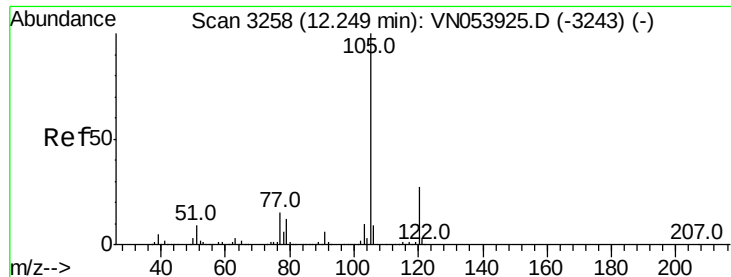
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion:152 Resp: 398075
Ion Ratio Lower Upper
152 100
115 57.1 27.2 81.6
150 164.8 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: 18.839 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

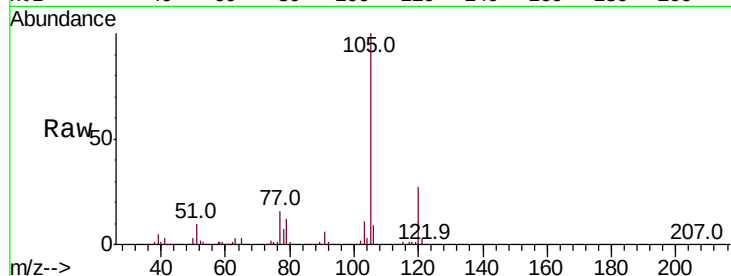
ClientSampleId :

Tot Ion:105 Resp: 583773

Ion Ratio Lower Upper

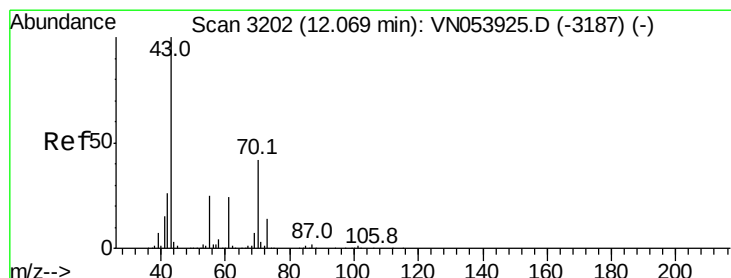
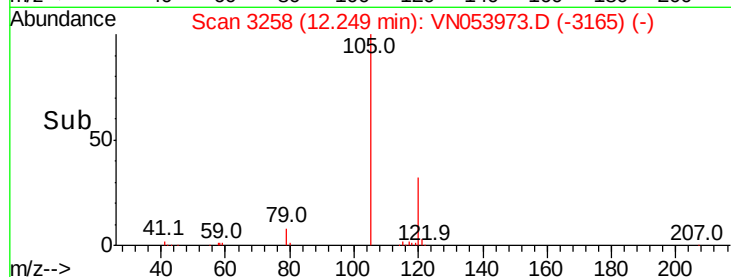
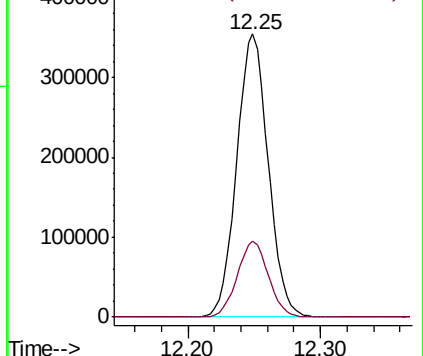
105 100

120 26.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.253 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Tgt Ion: 43 Resp: 156370

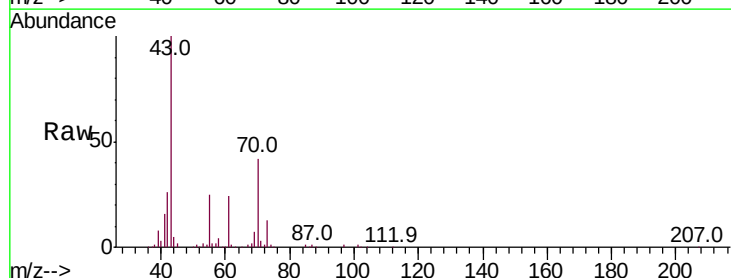
Ion Ratio Lower Upper

43 100

70 40.9 37.4 56.2

55 25.8 21.4 32.0

61 23.2 20.9 31.3

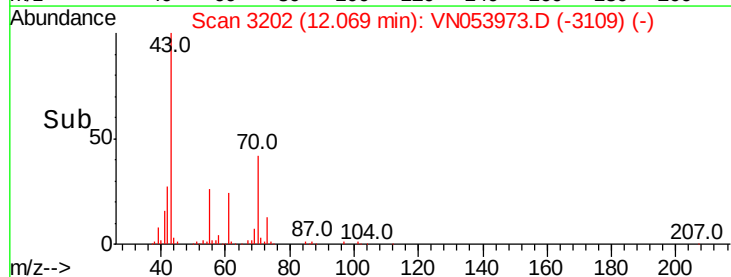
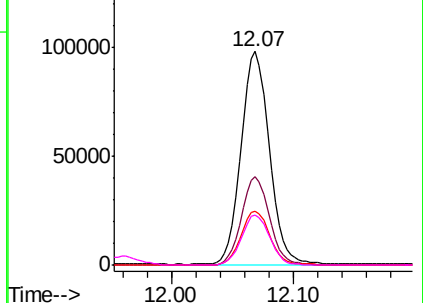


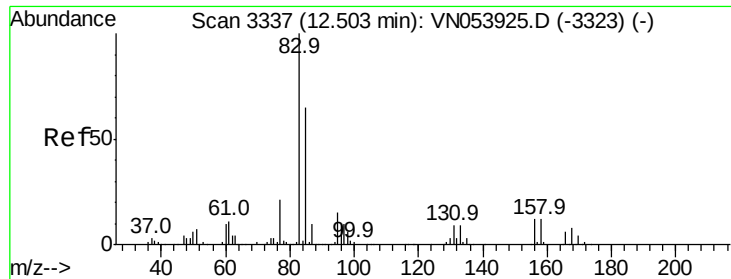
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.076 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

ClientSampled :

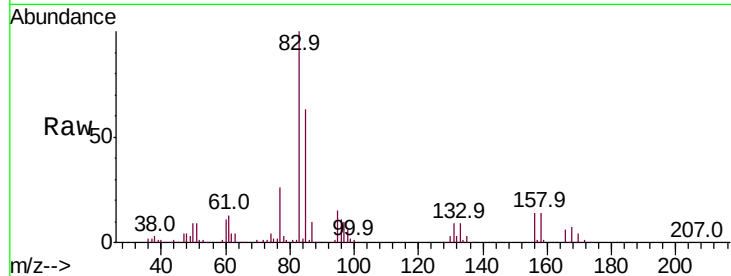
Tot Ion: 83 Resp: 140067

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.3	16.1
85	63.8	31.9	95.9

83 100

131 9.9 5.3 16.1

85 63.8 31.9 95.9



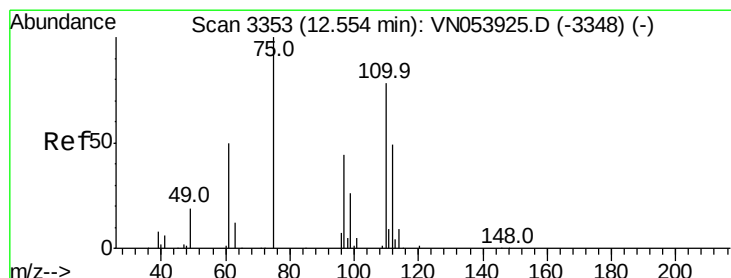
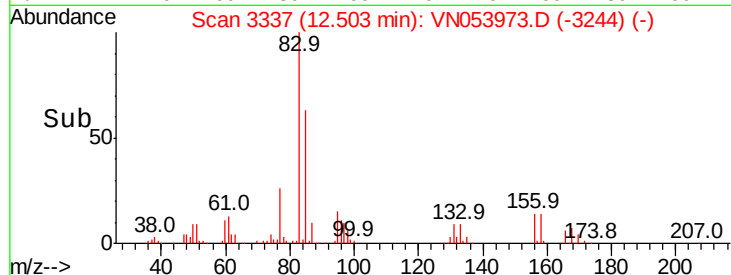
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.550 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN053973.D

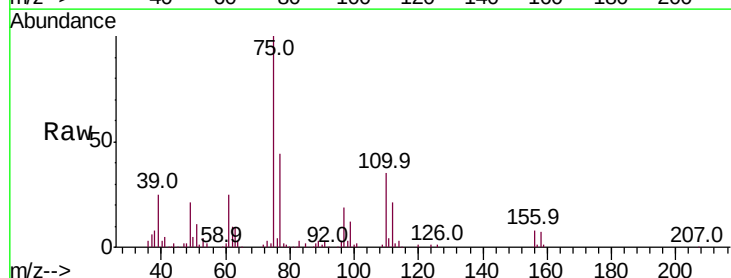
Acq: 27 Feb 2019 17:30

Tgt Ion: 75 Resp: 169544

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0

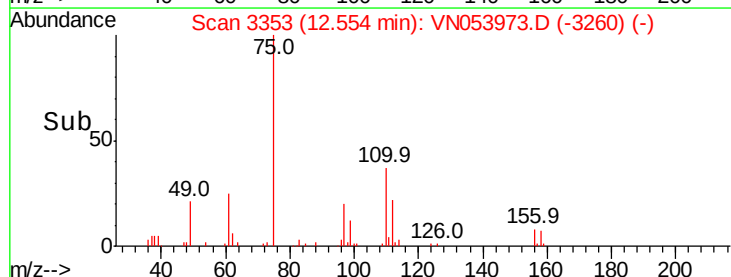


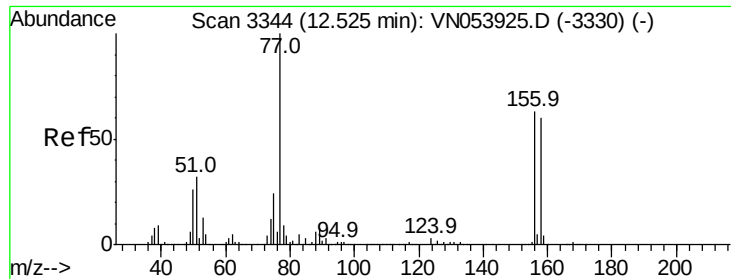
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.55

Time-->





#77

Bromobenzene

Concen: 18.343 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

ClientSampled :

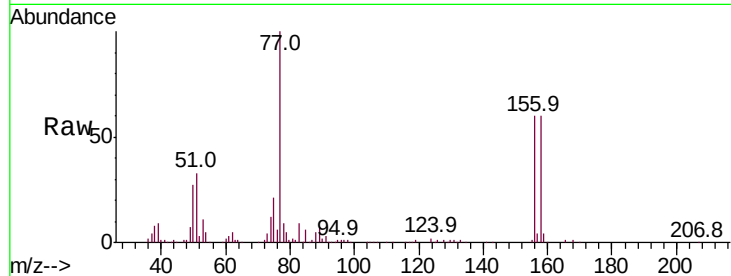
Tot Ion:156 Resp: 144315

Ion Ratio Lower Upper

156 100

77 191.5 84.0 252.2

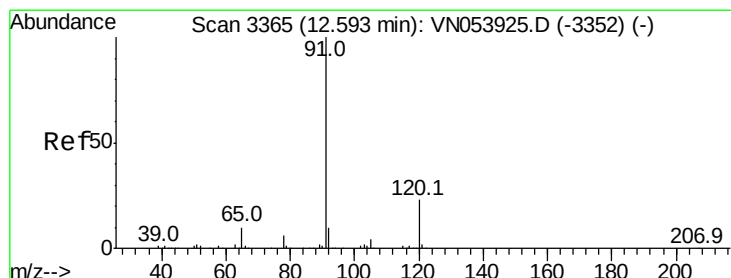
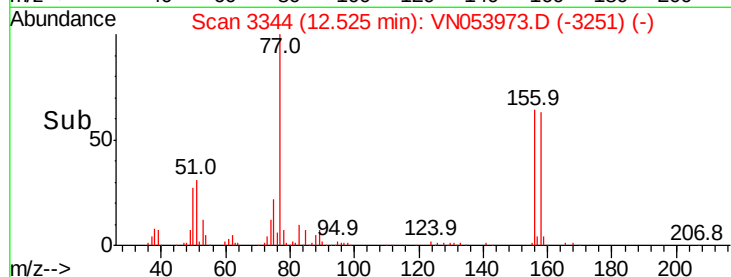
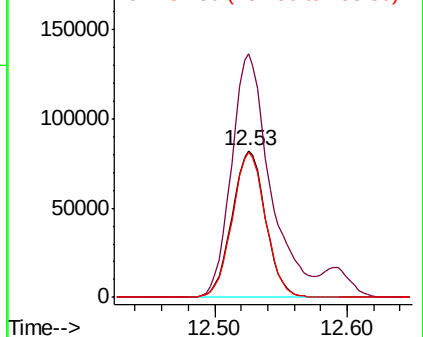
158 98.1 48.5 145.6



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: 19.562 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053973.D

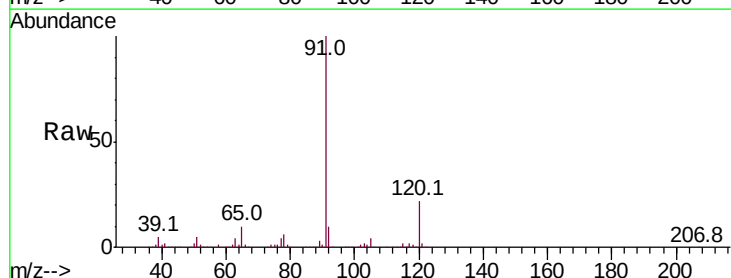
Acq: 27 Feb 2019 17:30

Tgt Ion: 91 Resp: 689398

Ion Ratio Lower Upper

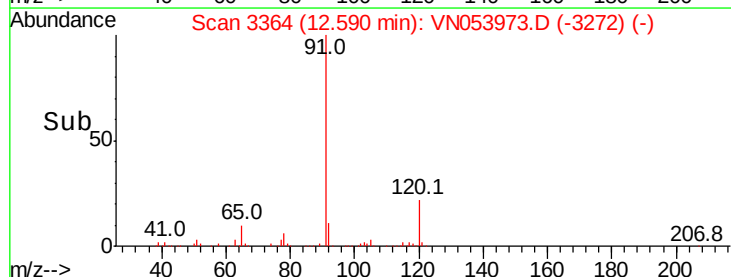
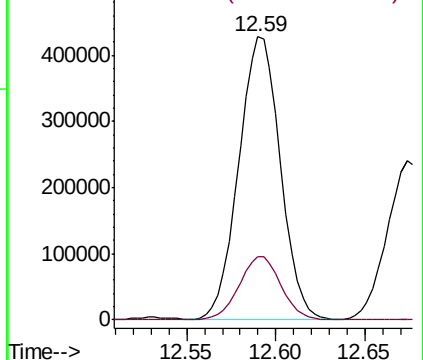
91 100

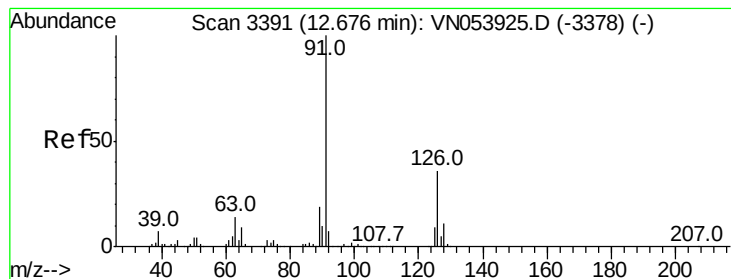
120 22.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.977 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

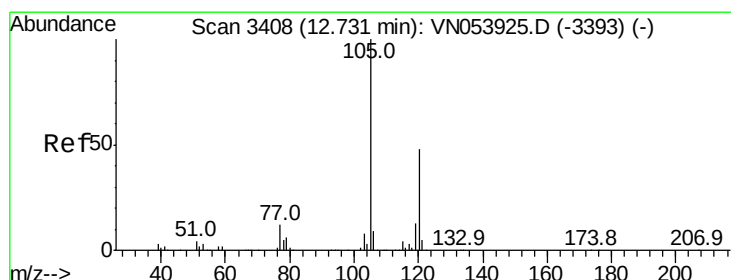
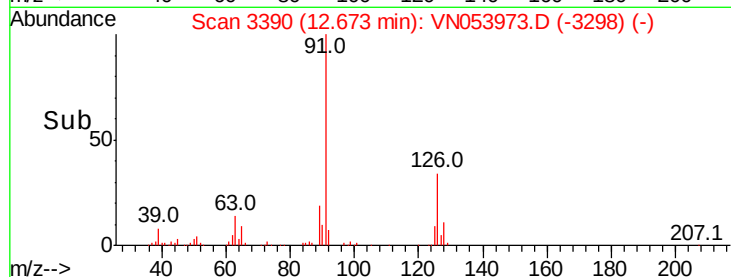
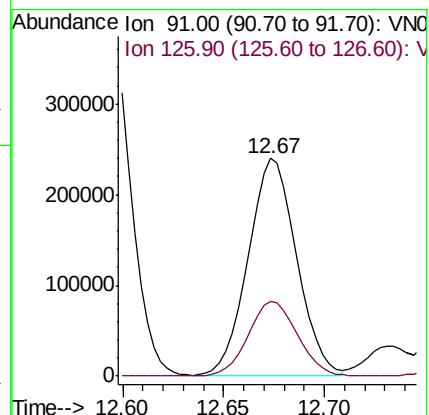
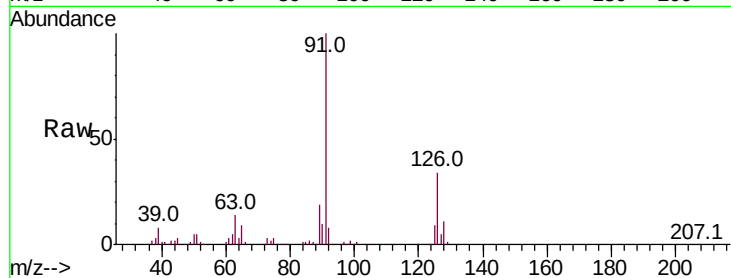
ClientSampleId :

Tot Ion: 91 Resp: 401741

Ion Ratio Lower Upper

91 100

126 35.2 18.1 54.4



#80

1,3,5-Trimethylbenzene

Concen: 19.658 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053973.D

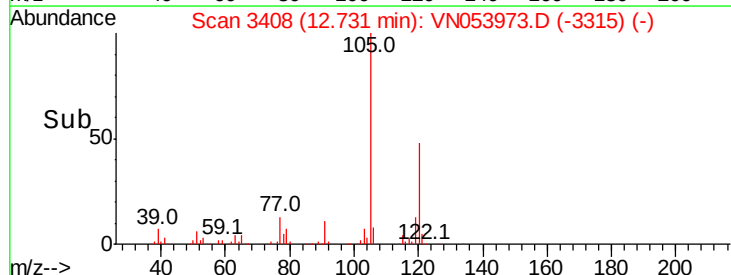
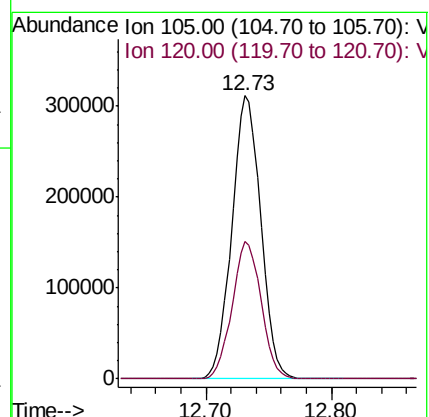
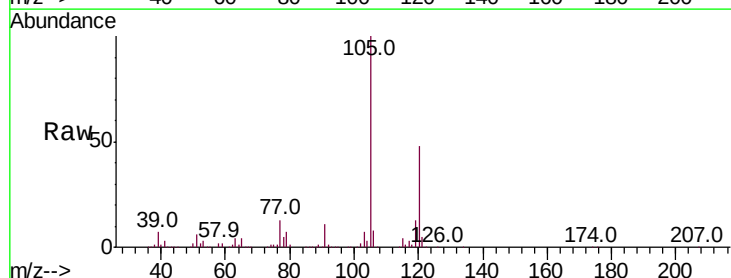
Acq: 27 Feb 2019 17:30

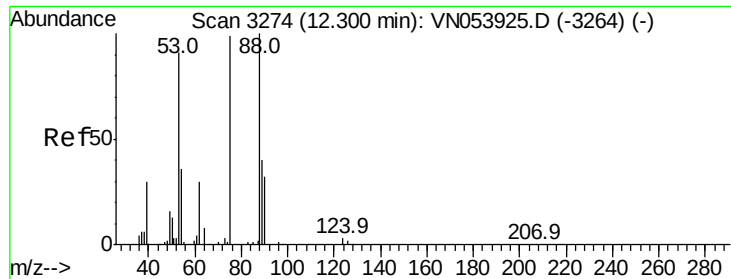
Tgt Ion:105 Resp: 498699

Ion Ratio Lower Upper

105 100

120 48.7 25.1 75.2

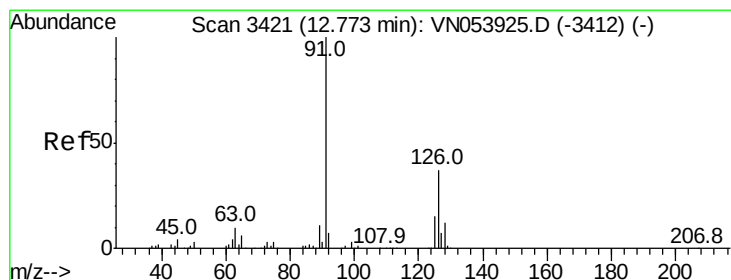
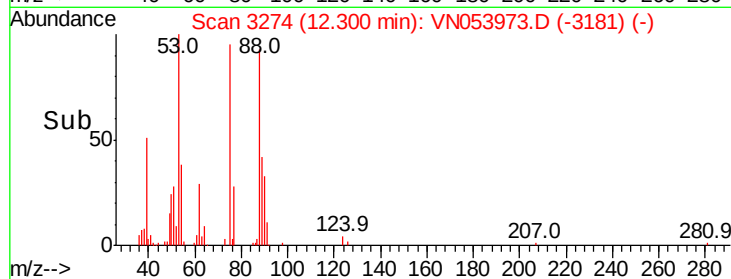
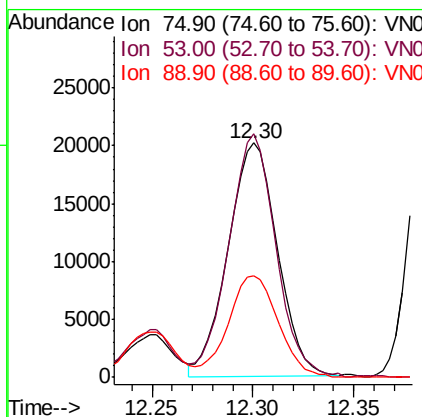
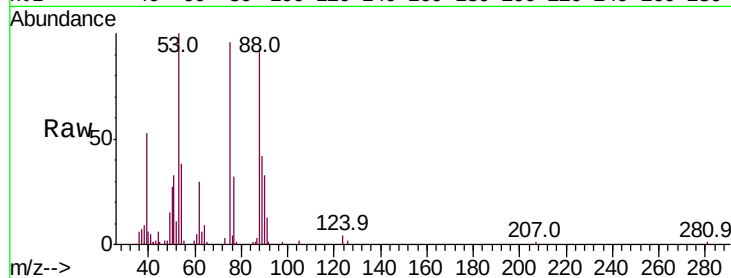




#81
trans-1,4-Dichloro-2-butene
Concen: 16.998 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

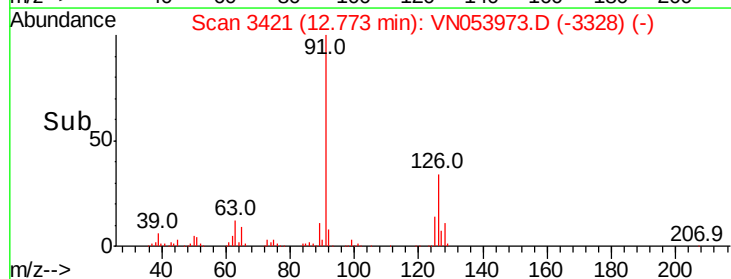
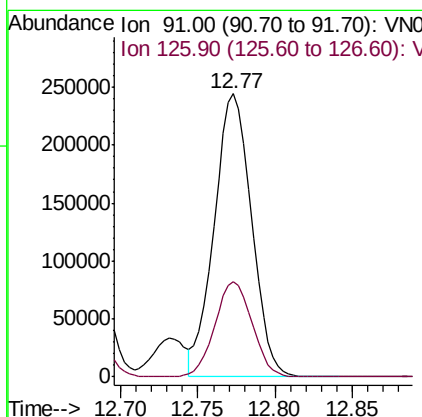
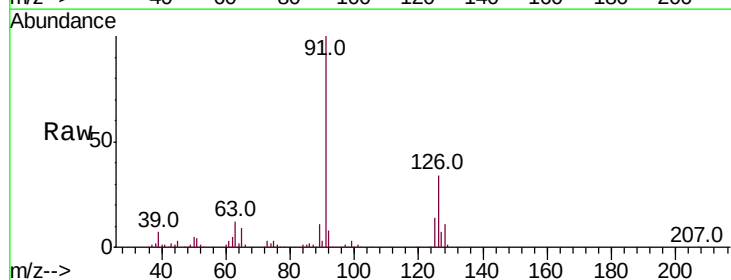
Instrument :
MSVOA_N
ClientSampleId :

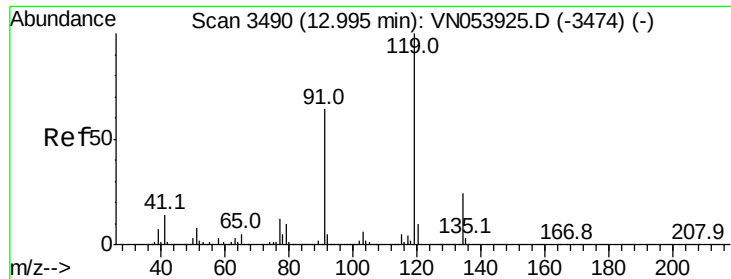
Tot Ion: 75 Resp: 34343
Ion Ratio Lower Upper
75 100
53 100.8 68.6 102.8
89 44.5 35.3 52.9



#82
4-Chlorotoluene
Concen: 19.517 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion: 91 Resp: 408360
Ion Ratio Lower Upper
91 100
126 33.6 18.0 54.0

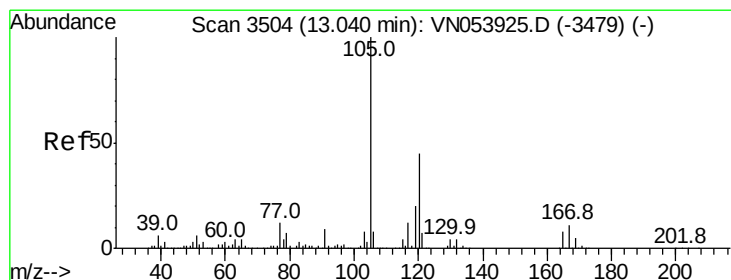
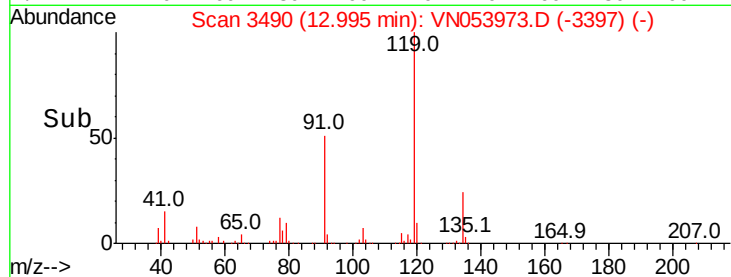
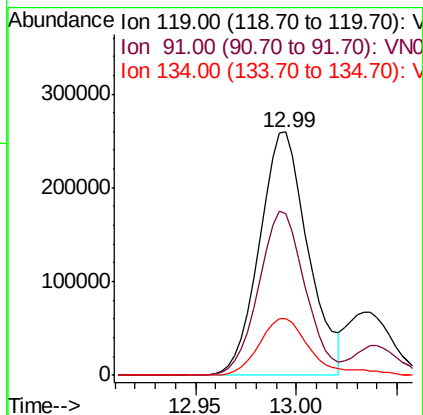
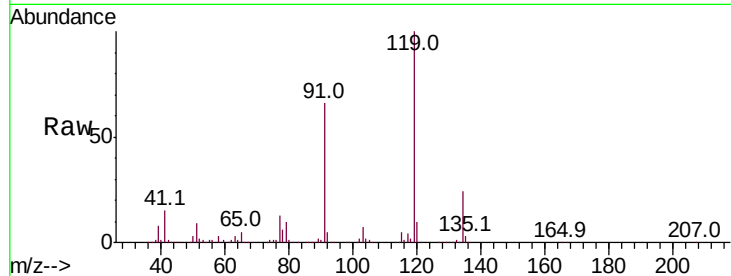




#83
 tert-Butylbenzene
 Concen: 19.386 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

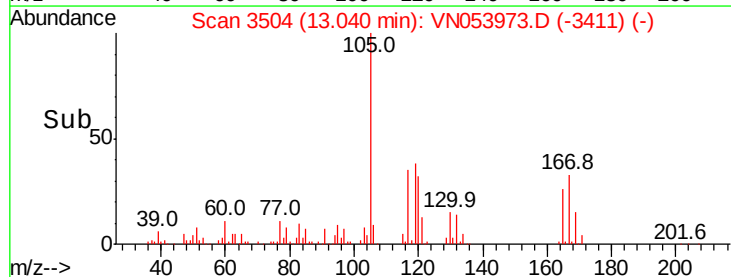
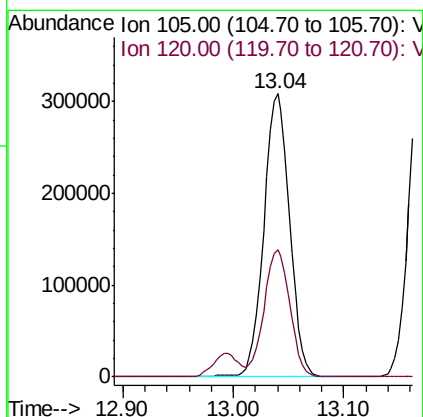
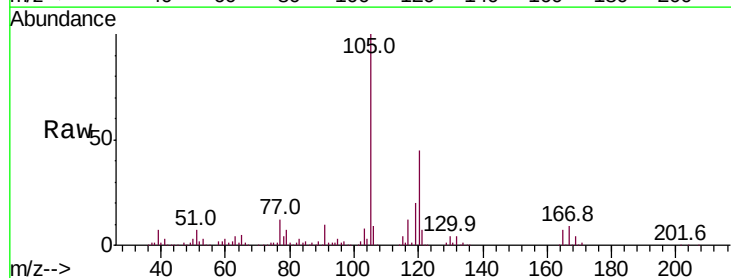
Instrument :
 MSVOA_N
 ClientSampled :

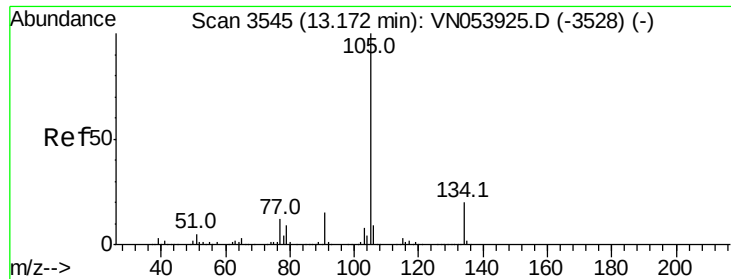
Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	30.6	91.8
134	25.2	13.0	39.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.681 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.2	69.5





#85

sec-Butylbenzene

Concen: 19.792 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

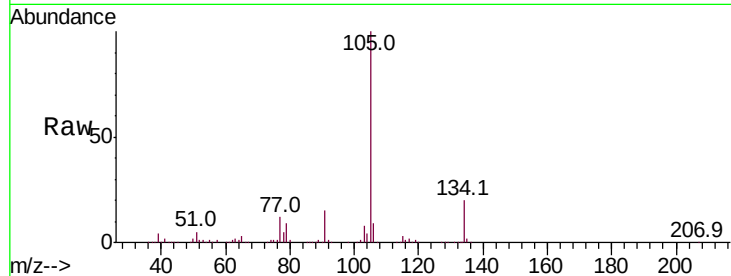
ClientSampleId :

Tot Ion:105 Resp: 606513

Ion Ratio Lower Upper

105 100

134 19.8 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

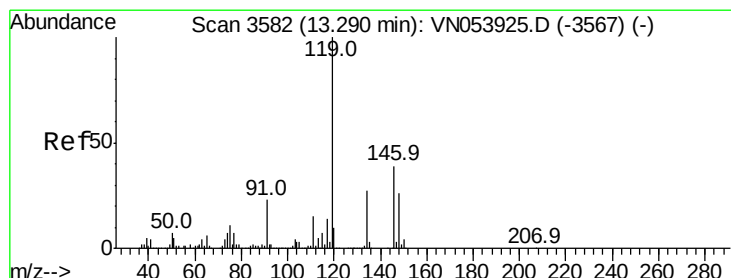
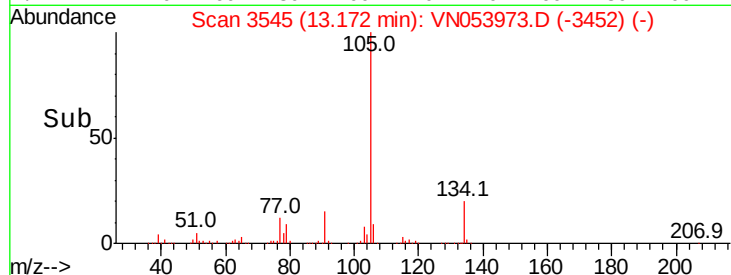
200000

100000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.852 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

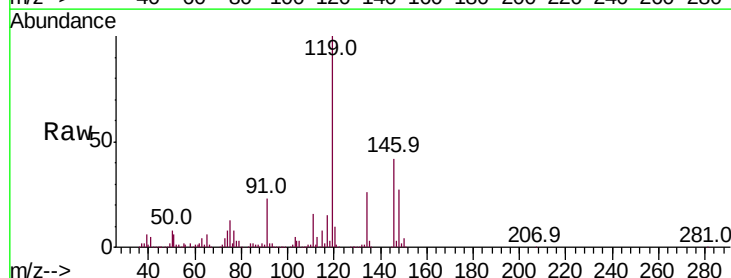
Tgt Ion:119 Resp: 514301

Ion Ratio Lower Upper

119 100

134 26.3 13.5 40.4

91 22.8 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

300000

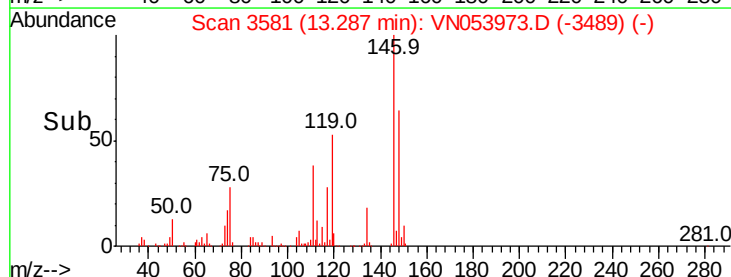
200000

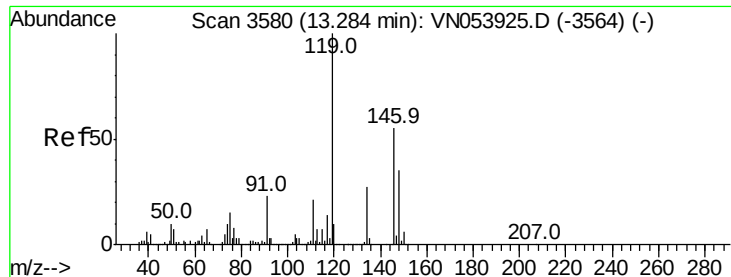
100000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 19.127 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

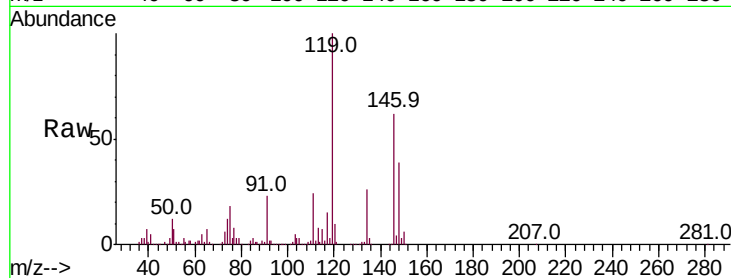
Tot Ion:146 Resp: 260315

Ion Ratio Lower Upper

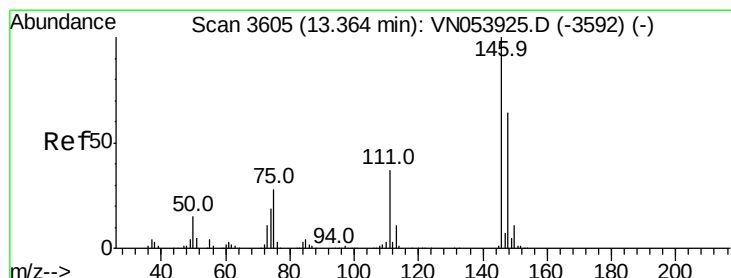
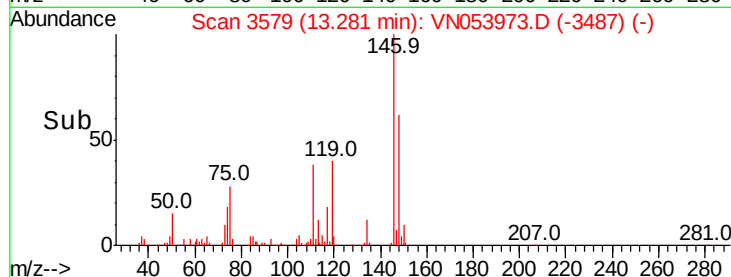
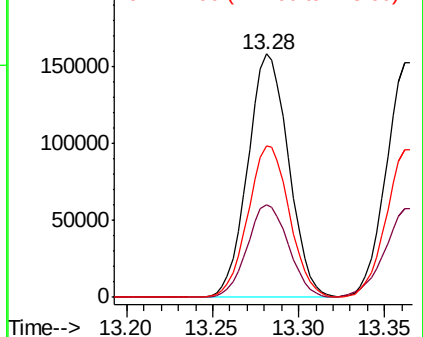
146 100

111 38.4 18.7 56.1

148 63.2 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 19.377 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

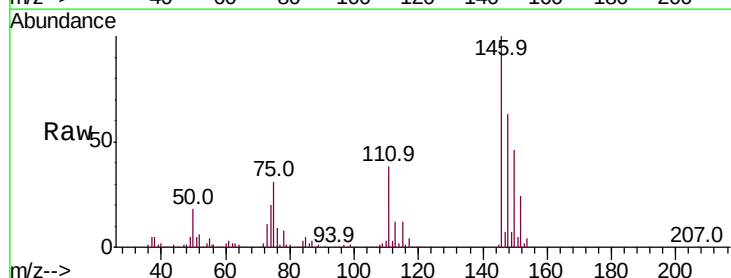
Tgt Ion:146 Resp: 255853

Ion Ratio Lower Upper

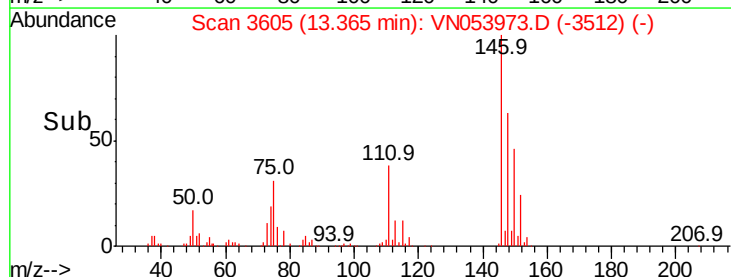
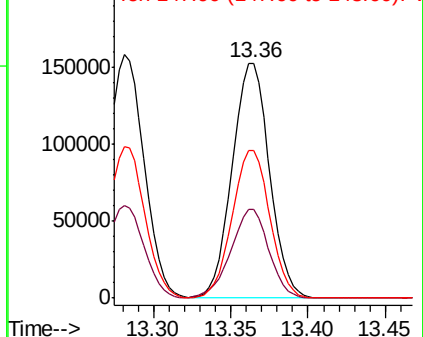
146 100

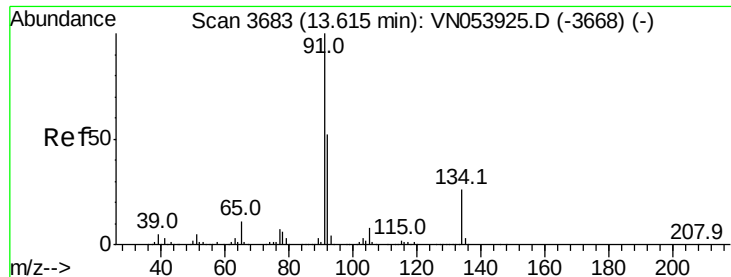
111 38.6 18.0 54.0

148 63.5 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





#89

n-Butylbenzene

Concen: 20.073 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

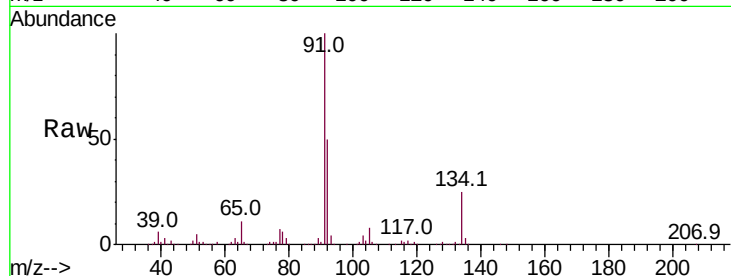
Tot Ion: 91 Resp: 438246

Ion Ratio Lower Upper

91 100

92 51.6 26.1 78.2

134 25.2 13.6 40.8

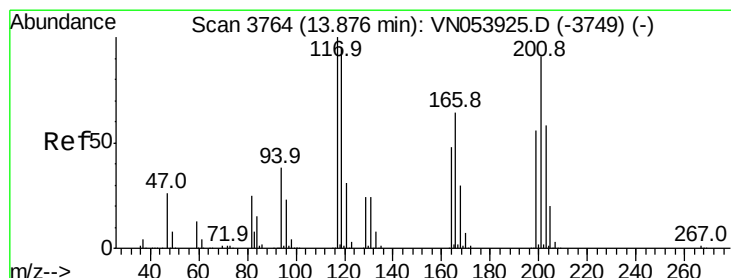
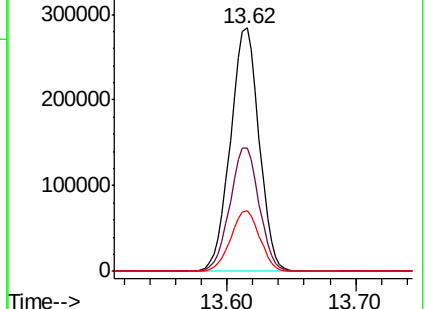
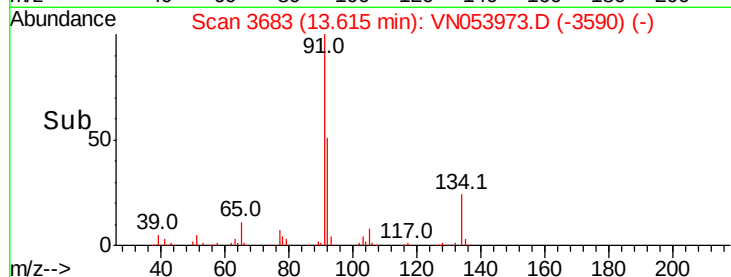


Abundance Ion 91.00 (90.70 to 91.70): VN053925.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN053925.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN053925.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 17.867 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN053973.D

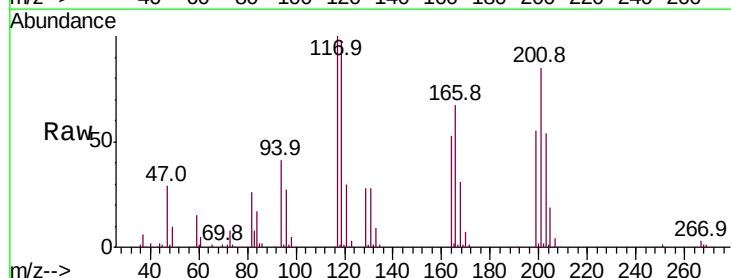
Acq: 27 Feb 2019 17:30

Tgt Ion: 117 Resp: 89695

Ion Ratio Lower Upper

117 100

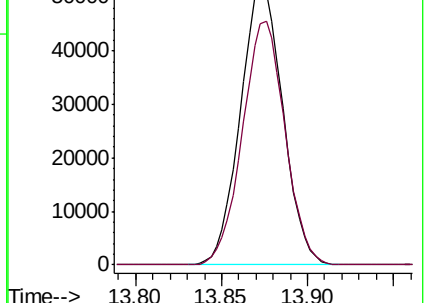
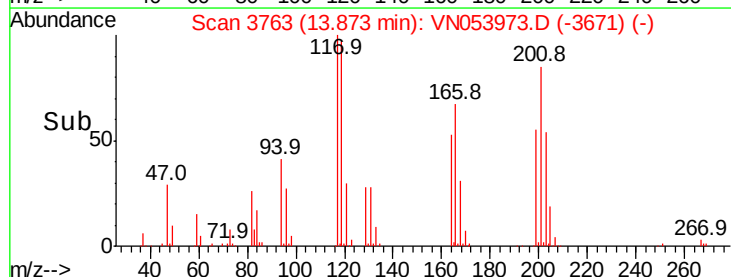
201 87.2 48.0 144.2

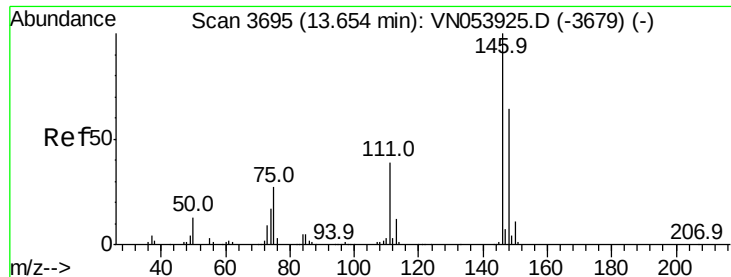


Abundance Ion 116.80 (116.50 to 117.50): VN053925.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN053925.D (-3749) (-)

Time-->

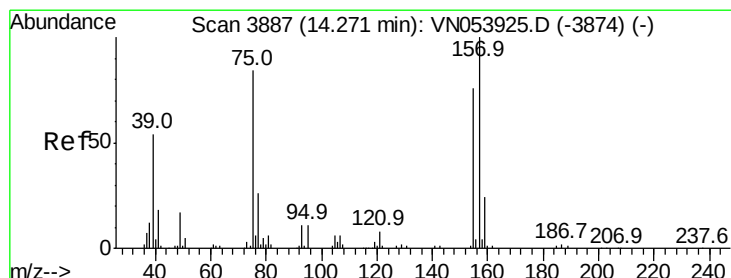
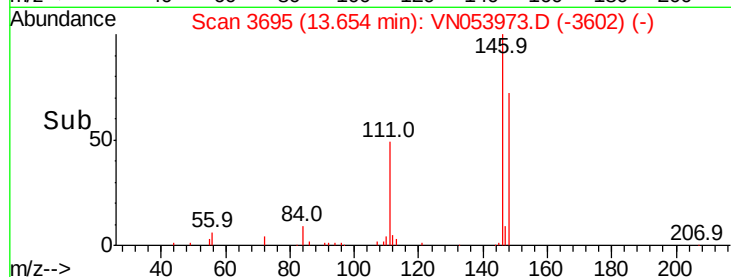
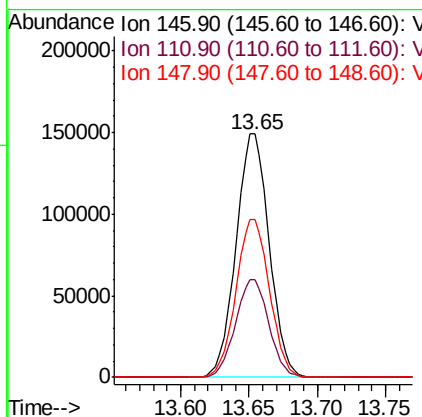
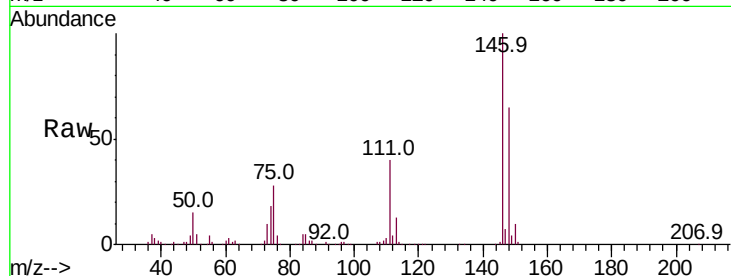




#91
 1,2-Dichlorobenzene
 Concen: 19.120 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

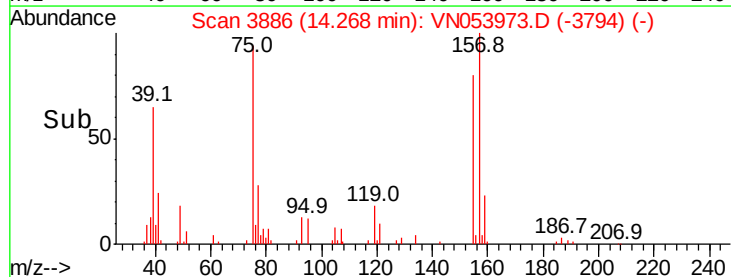
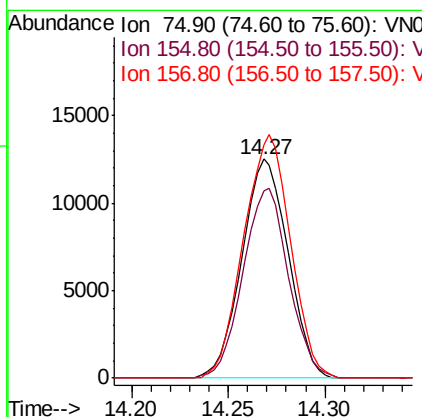
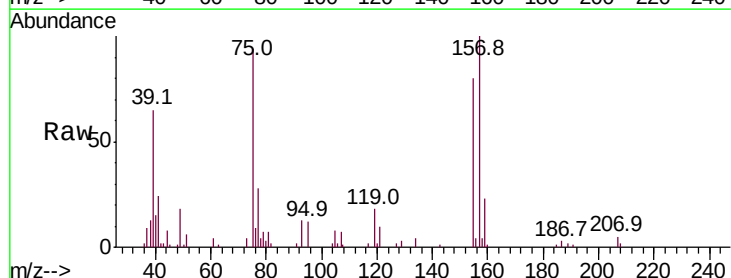
Instrument :
 MSVOA_N
 ClientSampleId :

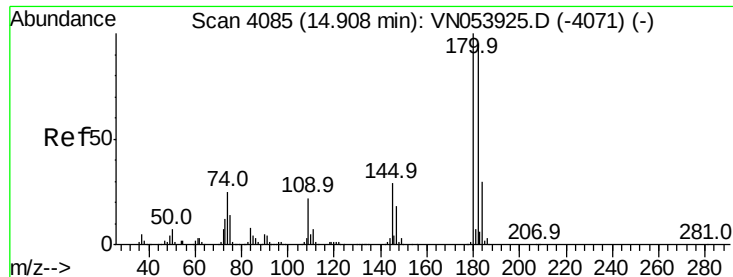
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.1	57.5
148	65.3	32.1	96.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.028 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053973.D
 Acq: 27 Feb 2019 17:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	49.5	148.5
157	112.5	64.8	194.6





#93

1,2,4-Trichlorobenzene

Concen: 18.640 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

Instrument :

MSVOA_N

ClientSampleId :

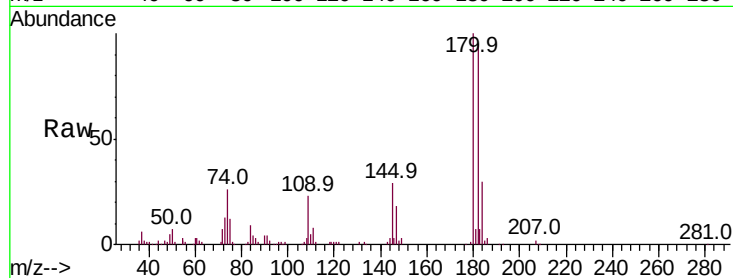
Tot Ion:180 Resp: 125713

Ion Ratio Lower Upper

180 100

182 93.3 48.6 145.9

145 28.5 13.8 41.3

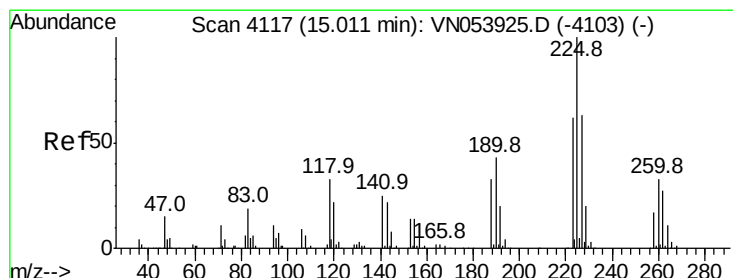
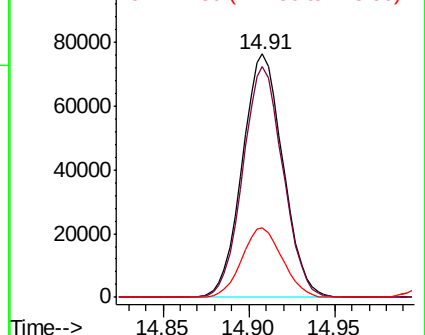
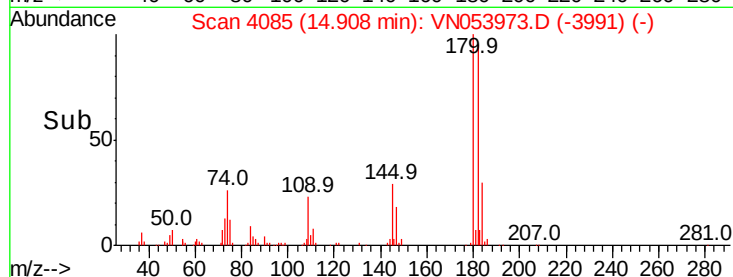


Abundance

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: 20.173 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN053973.D

Acq: 27 Feb 2019 17:30

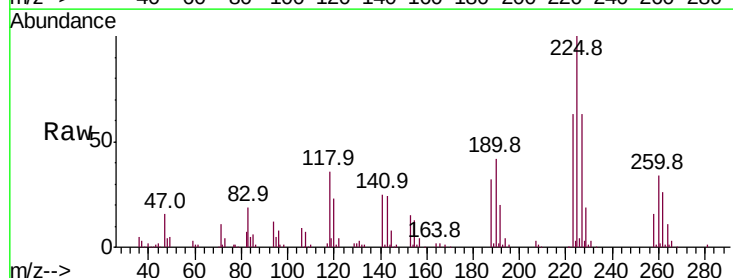
Tgt Ion:225 Resp: 96004

Ion Ratio Lower Upper

225 100

223 62.2 30.9 92.5

227 62.6 32.5 97.4

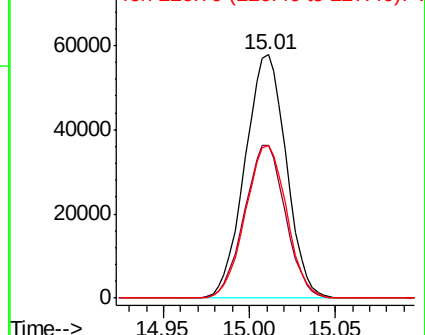
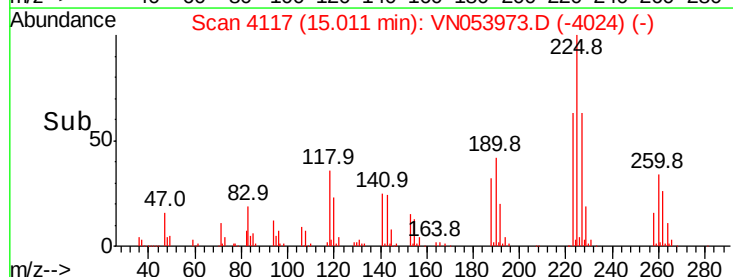


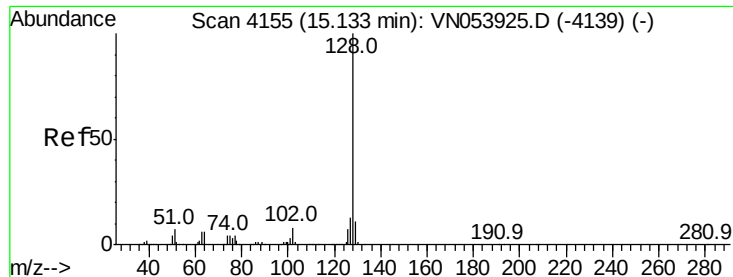
Abundance

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

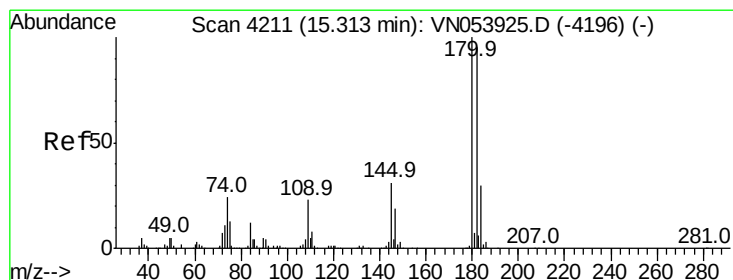
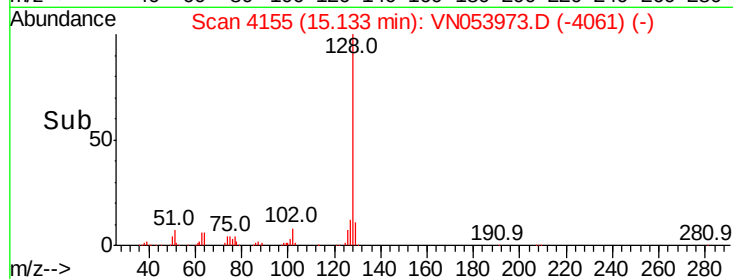
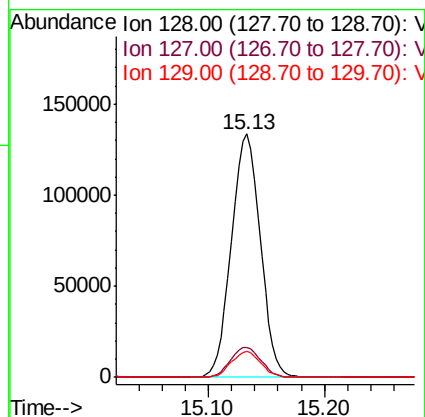
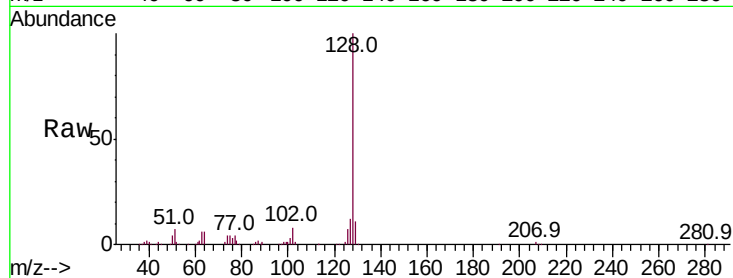




#95
Naphthalene
Concen: 16.897 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Instrument :
MSVOA_N
ClientSampleId :

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



#96
1,2,3-Trichlorobenzene
Concen: 18.518 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053973.D
Acq: 27 Feb 2019 17:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.8
145	30.5	14.4	43.0

