

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052919.D
 Acq On : 17 Dec 2018 11:37
 Operator : MD\SY
 Sample : J6437-02 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 23575

Quant Time: Dec 18 04:42:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1362844	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2092524	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1881745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	797949	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	677310	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	
35) Dibromofluoromethane	7.59	113	504650	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	
50) Toluene-d8	10.09	98	2567096	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.40	95	880721	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.42	74	15025	1.972	ug/l	97
11) Tert butyl alcohol	4.78	59	116981	144.477	ug/l	99
13) Acrolein	3.60	56	171	0.224	ug/l #	38
15) Acrylonitrile	4.99	53	1015	0.223	ug/l #	61
16) Acetone	3.81	43	1159494	356.268	ug/l	98
17) Carbon Disulfide	4.06	76	9251	0.240	ug/l	99
18) Methyl Acetate	4.33	43	118104	9.888	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	119731	3.520	ug/l	97
20) Methylene Chloride	4.56	84	3346	0.228	ug/l	88
22) Diisopropyl ether	5.96	45	328872	7.532	ug/l #	1
23) Vinyl Acetate	5.96	43	23602	0.908	ug/l #	73
25) 2-Butanone	6.83	43	245798	48.674	ug/l	98
29) Tetrahydrofuran	7.22	42	7484	2.171	ug/l	94
31) Cyclohexane	7.66	56	27261	0.536	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	90949	4.720	ug/l #	48
37) Ethyl Acetate	6.93	43	12097	1.045	ug/l #	73
38) Carbon Tetrachloride	7.67	117	118952	6.707	ug/l #	16
40) Benzene	8.04	78	1004534	17.369	ug/l	99
41) Methacrylonitrile	7.21	41	5196	0.810	ug/l #	26
42) 1,2-Dichloroethane	8.05	62	8245	0.474	ug/l	91
43) Isopropyl Acetate	8.00	43	528323	22.260	ug/l #	53
48) Methyl methacrylate	9.17	41	33673	3.235	ug/l #	37
49) 1,4-Dioxane	9.20	88	10103	85.516	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	70316	6.461	ug/l	100
52) Toluene	10.16	92	844907	24.121	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.81	63	3832	0.428	ug/l	99
59) 2-Hexanone	10.76	43	7784	1.044	ug/l	100
67) Ethyl Benzene	11.51	91	319573	4.767	ug/l	99
68) m/p-Xylenes	11.62	106	801496	31.838	ug/l	99
69) o-Xylene	11.95	106	329589	13.408	ug/l	99
70) Styrene	11.95	104	17818	0.451	ug/l #	1
71) Bromoform	12.41	173	5675	0.615	ug/l #	1
73) Isopropylbenzene	12.25	105	14989	0.252	ug/l	99
74) N-amyl acetate	11.99	43	16454	1.006	ug/l #	1

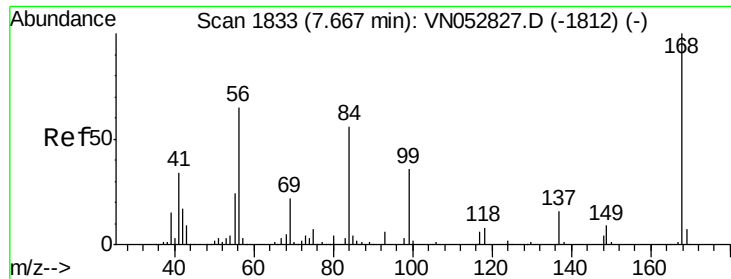
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052919.D
 Acq On : 17 Dec 2018 11:37
 Operator : MD\SY
 Sample : J6437-02 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 23575

Quant Time: Dec 18 04:42:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
75) 1,1,2,2-Tetrachloroethane	12.55	83	7980	0.598	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	412889	35.071	ug/l #	100
78) n-propylbenzene	12.59	91	19342	0.285	ug/l	99
79) 2-Chlorotoluene	12.65	91	13472	0.335	ug/l	80
80) 1,3,5-Trimethylbenzene	12.73	105	83304	1.732	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	412889	112.666	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	256865	5.276	ug/l	99
89) n-Butylbenzene	13.61	91	10190	0.243	ug/l #	57
90) Hexachloroethane	13.89	117	12004	1.440	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1685	0.837	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	6666	0.473	ug/l	96
94) Hexachlorobutadiene	15.00	225	1836	0.225	ug/l	92
95) Naphthalene	15.14	128	165616	5.679	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	7167	0.555	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

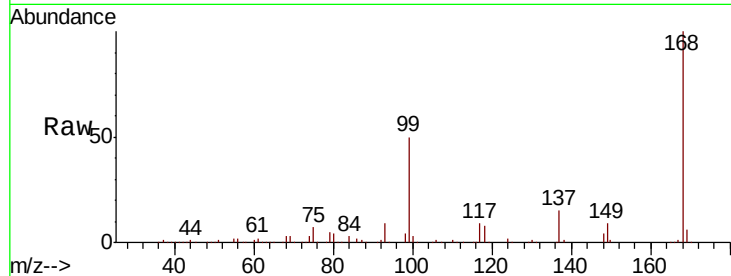
23575

Tot Ion:168 Resp: 1362844

Ion Ratio Lower Upper

168 100

99 50.4 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

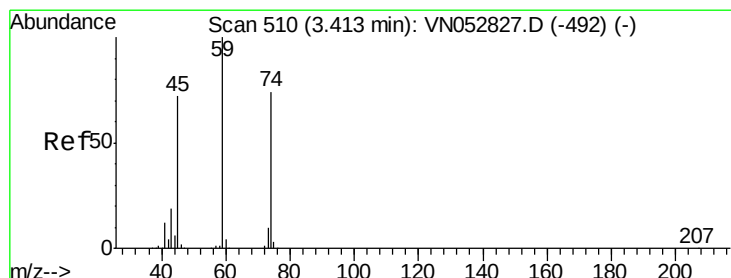
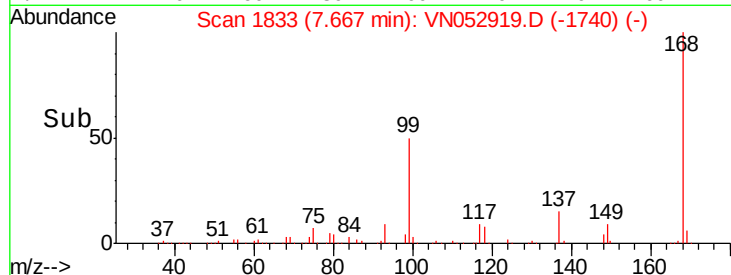
400000

200000

0

Time-->

7.60 7.70 7.80



#8

Diethyl Ether

Concen: 1.972 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN052919.D

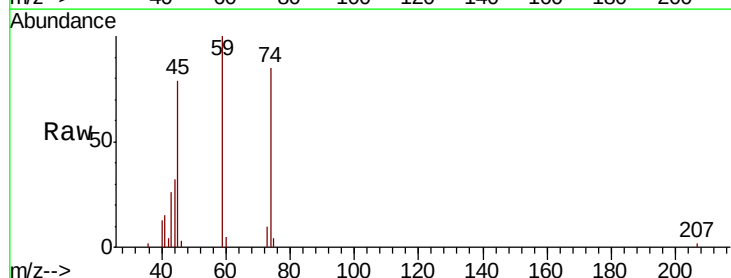
Acq: 17 Dec 2018 11:37

Tgt Ion: 74 Resp: 15025

Ion Ratio Lower Upper

74 100

45 101.5 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VN

Ion 45.00 (44.70 to 45.70): VN

3.42

8000

6000

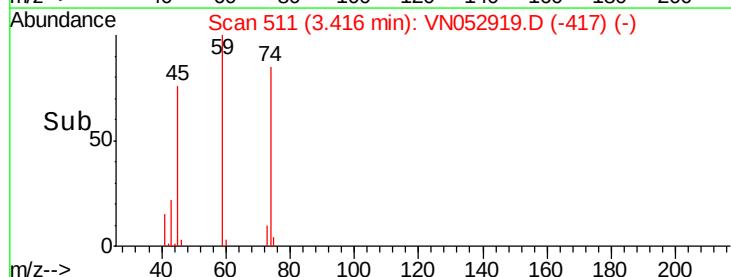
4000

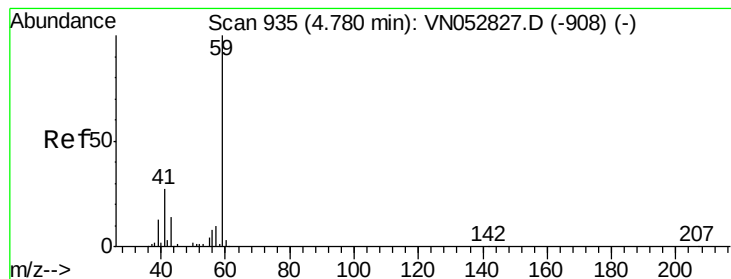
2000

0

Time-->

3.35 3.40 3.45 3.50



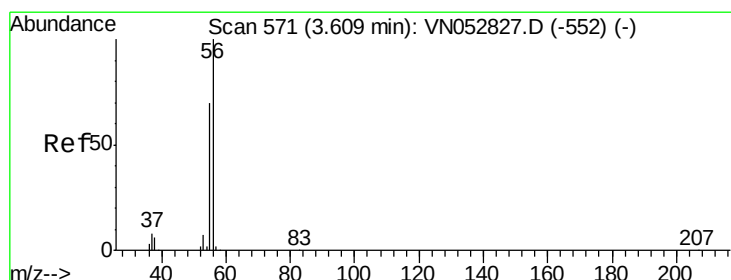
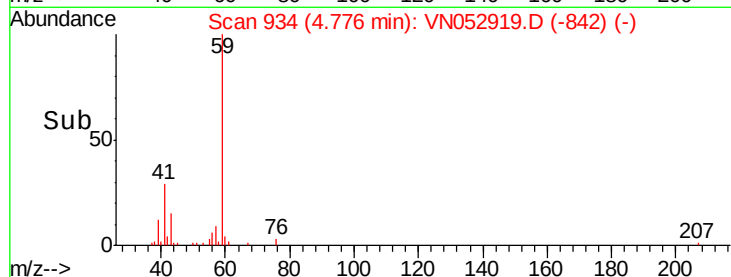
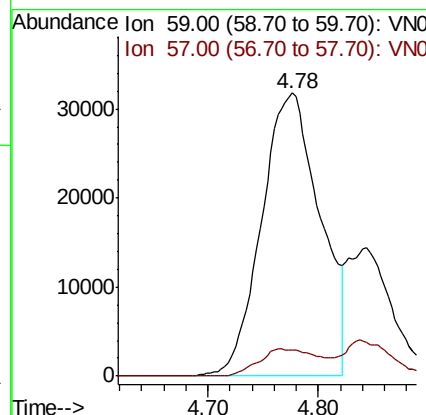
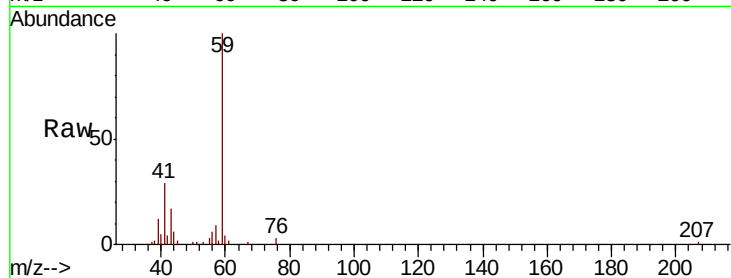


#11

Tert butyl alcohol
 Concen: 144.477 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampled :
 23575

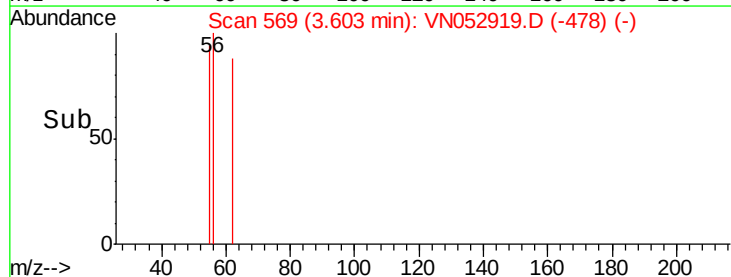
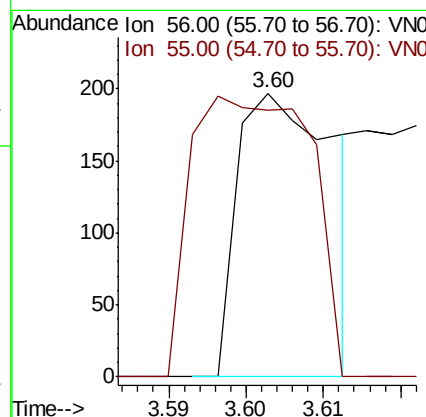
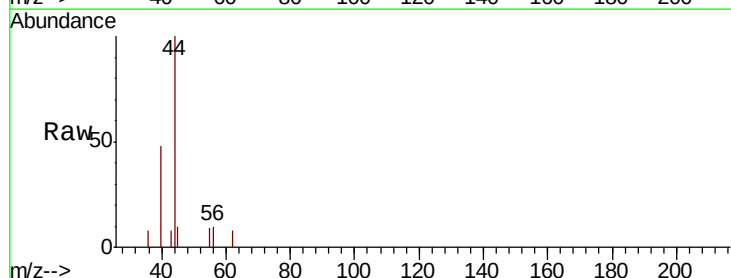
Tot Ion: 59 Resp: 116981
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.7 11.5

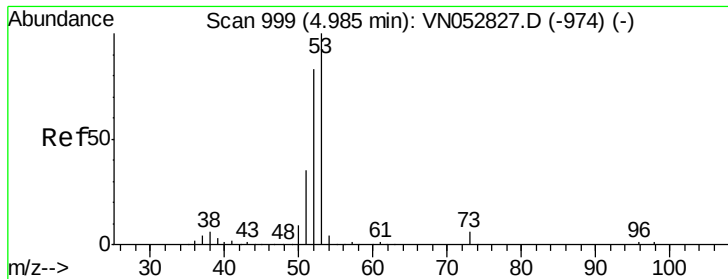


#13

Acrolein
 Concen: 0.224 ug/l
 RT: 3.60 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

Tgt Ion: 56 Resp: 171
 Ion Ratio Lower Upper
 56 100
 55 122.2 56.6 85.0#





#15

Acrylonitrile

Concen: 0.223 ug/l

RT: 4.99 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

23575

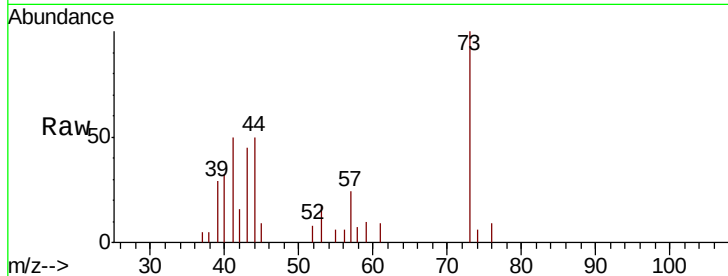
Tot Ion: 53 Resp: 1015

Ion Ratio Lower Upper

53 100

52 54.9 65.1 97.7#

51 0.0 28.1 42.1#



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

4.99

600

400

200

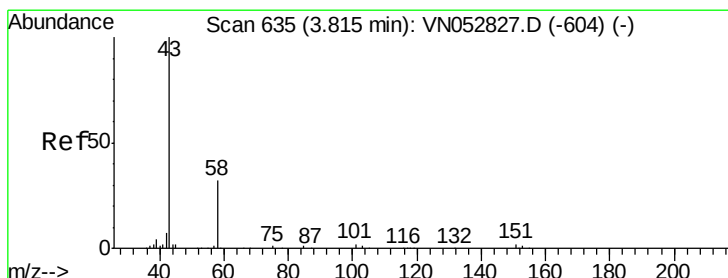
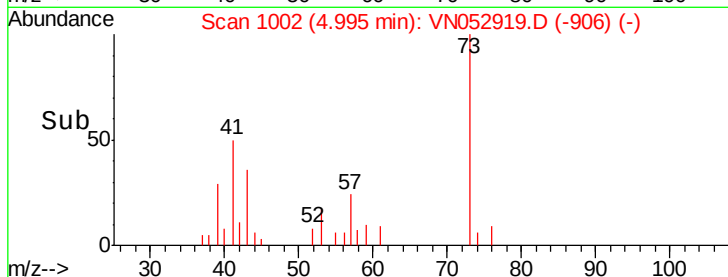
0

4.96

4.98

5.00

Time-->



#16

Acetone

Concen: 356.268 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052919.D

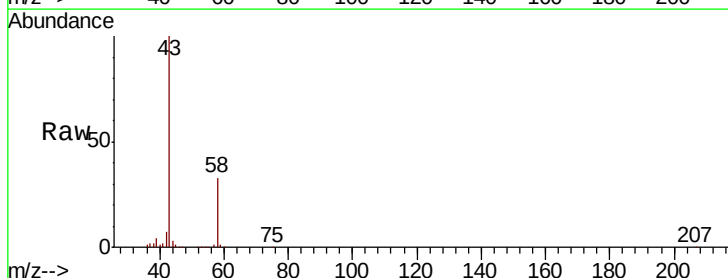
Acq: 17 Dec 2018 11:37

Tgt Ion: 43 Resp: 1159494

Ion Ratio Lower Upper

43 100

58 32.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

500000

400000

300000

200000

100000

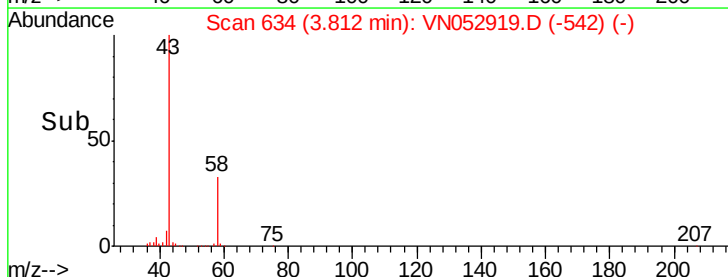
0

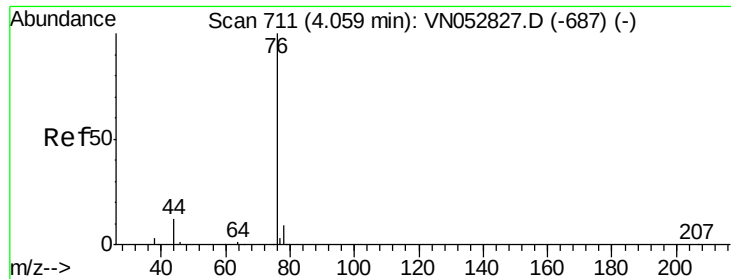
3.70

3.80

3.90

Time-->





#17

Carbon Disulfide

Concen: 0.240 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.00 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

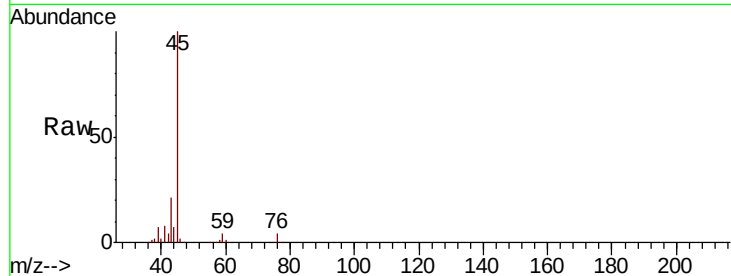
23575

Tot Ion: 76 Resp: 9251

Ion Ratio Lower Upper

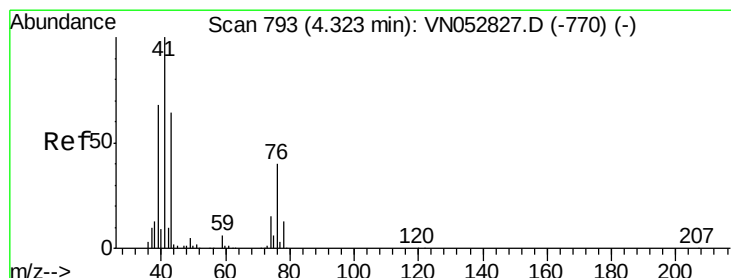
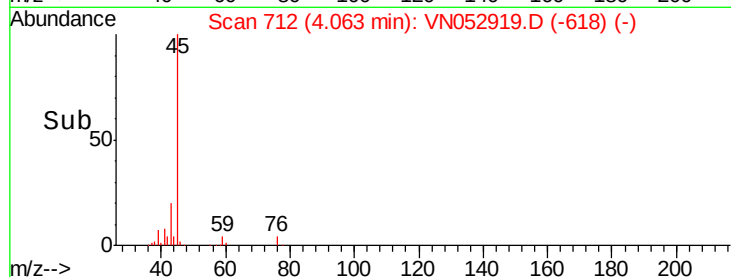
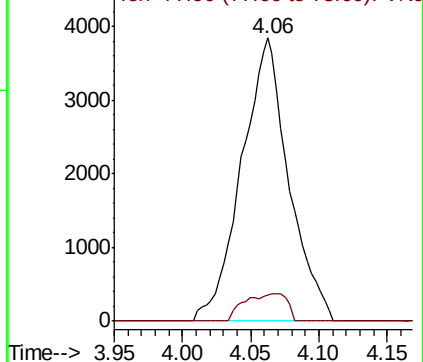
76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 9.888 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052919.D

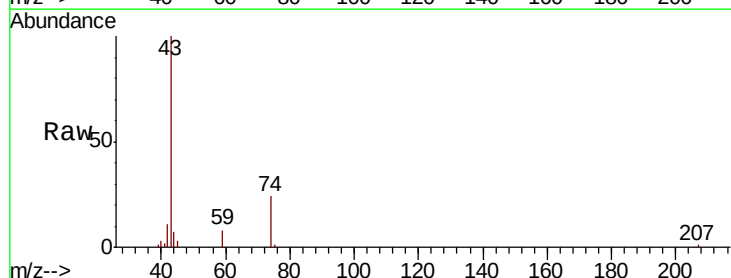
Acq: 17 Dec 2018 11:37

Tgt Ion: 43 Resp: 118104

Ion Ratio Lower Upper

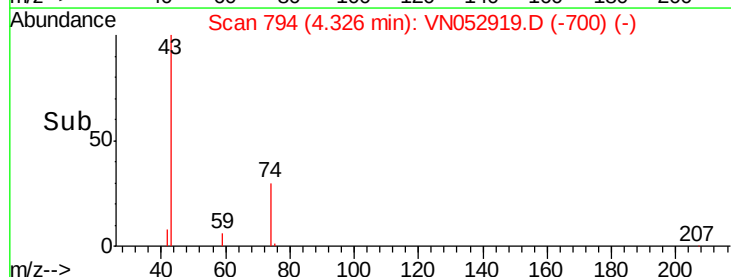
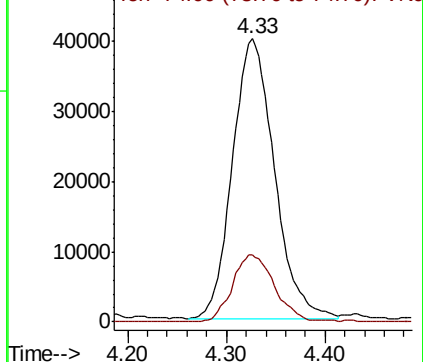
43 100

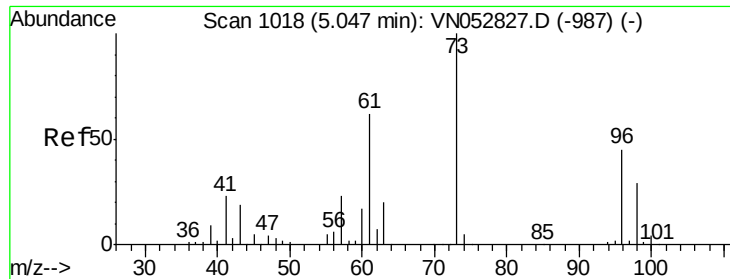
74 23.8 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

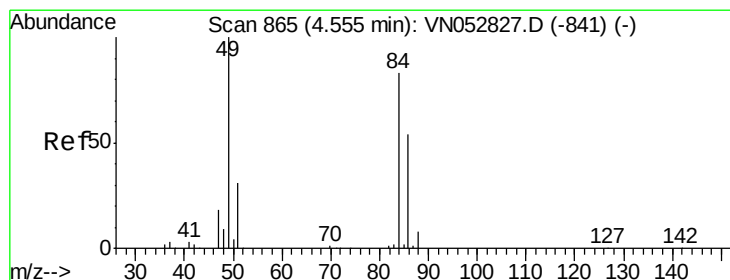
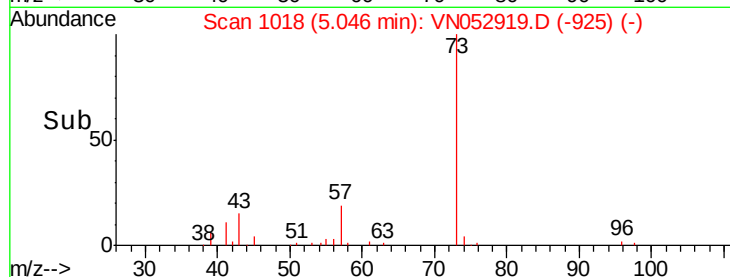
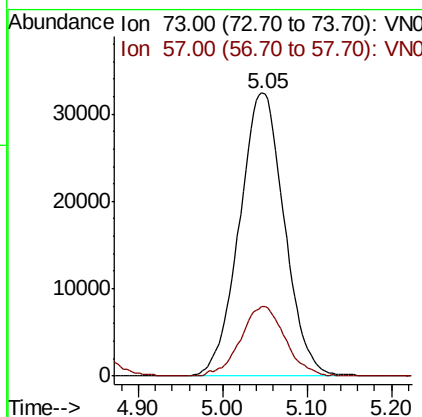
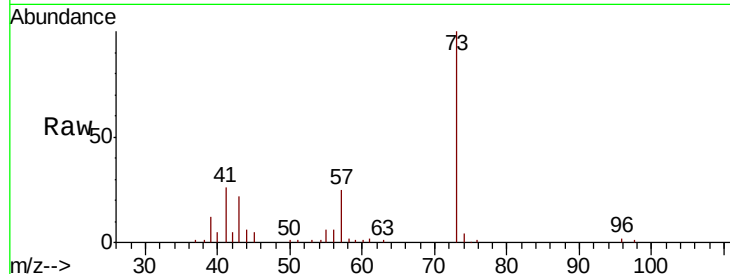




#19
Methvl tert-butvl Ether
Concen: 3.520 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

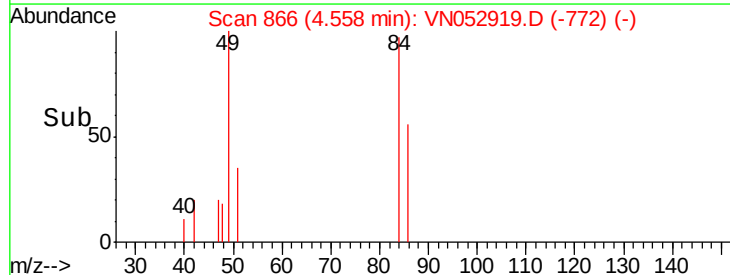
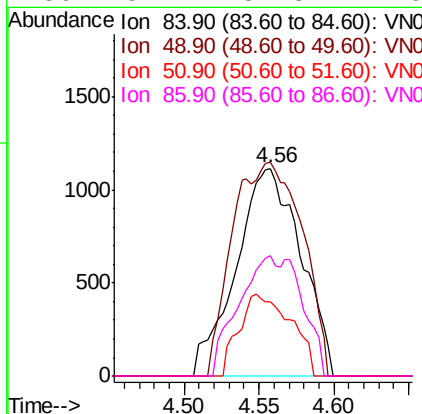
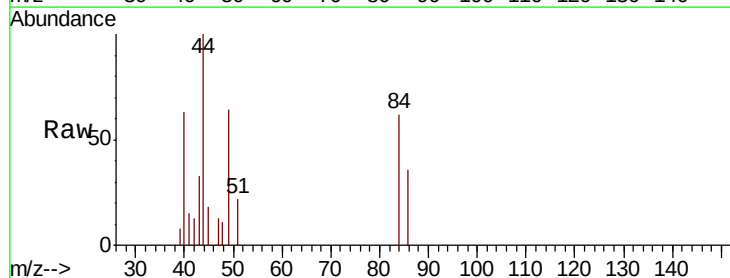
Instrument :
MSVOA_N
ClientSampleId :
23575

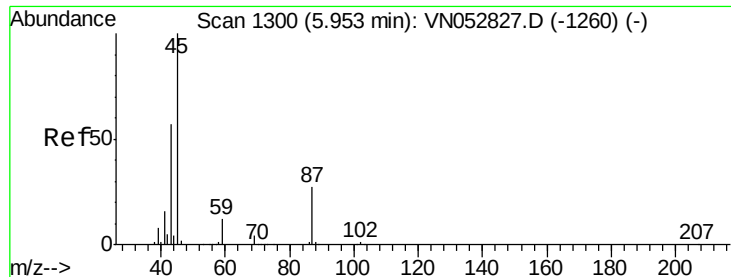
Tot Ion: 73 Resp: 119731
Ion Ratio Lower Upper
73 100
57 24.6 18.4 27.6



#20
Methylene Chloride
Concen: 0.228 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Tgt Ion: 84 Resp: 3346
Ion Ratio Lower Upper
84 100
49 102.8 96.8 145.2
51 35.6 29.9 44.9
86 57.7 51.8 77.6





#22

Diisopropyl ether

Concen: 7.532 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

23575

Tot Ion: 45 Resp: 328872

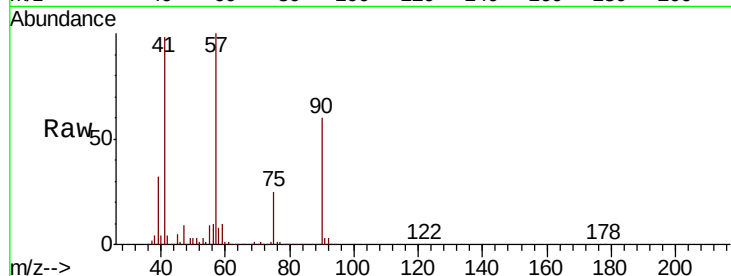
Ion Ratio Lower Upper

45 100

43 6.0 45.5 68.3#

87 0.4 22.0 33.0#

59 202.6 9.4 14.0#

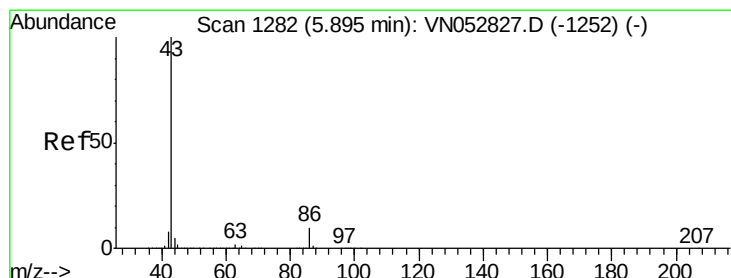
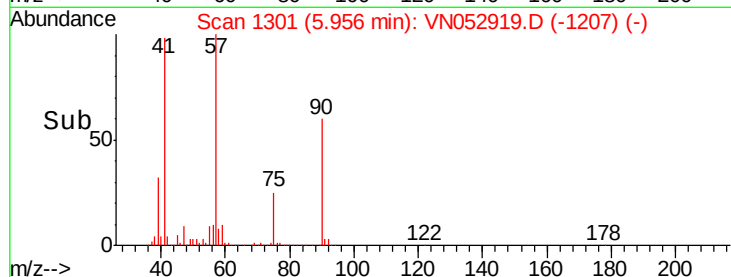
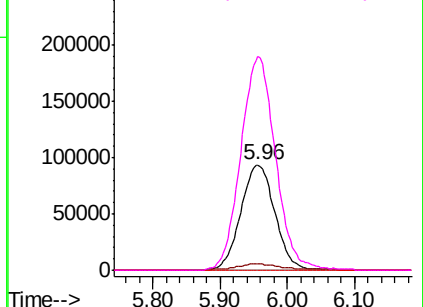


Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0



#23

Vinyl Acetate

Concen: 0.908 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.06 min

Lab File: VN052919.D

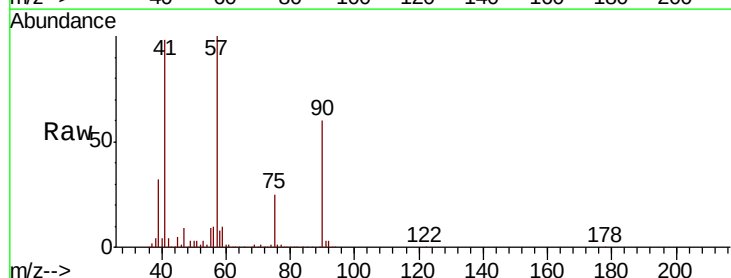
Acq: 17 Dec 2018 11:37

Tgt Ion: 43 Resp: 23602

Ion Ratio Lower Upper

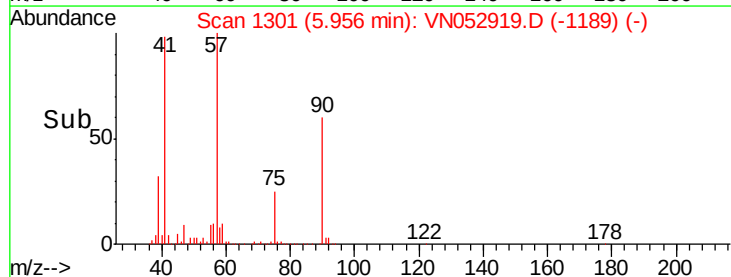
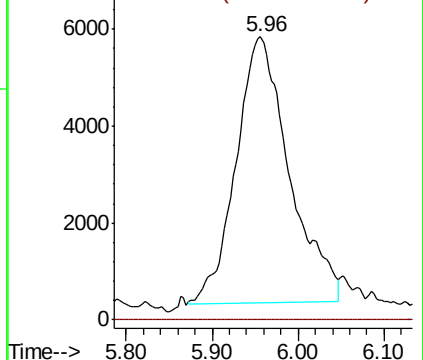
43 100

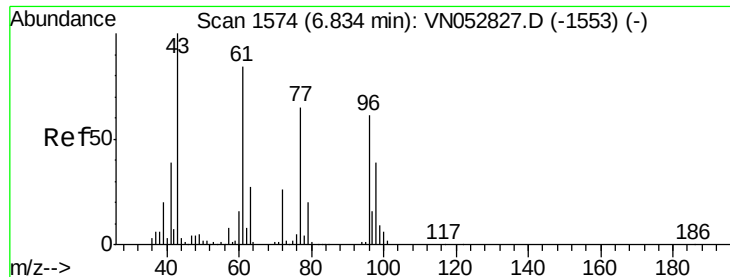
86 0.0 8.1 12.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

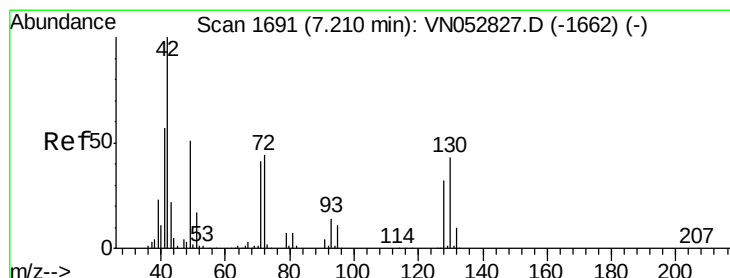
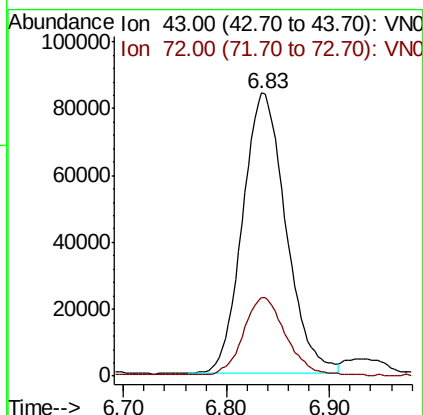
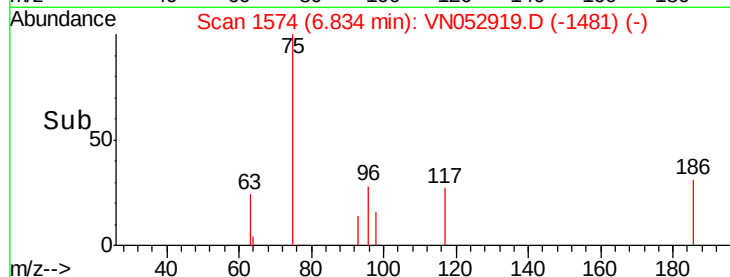
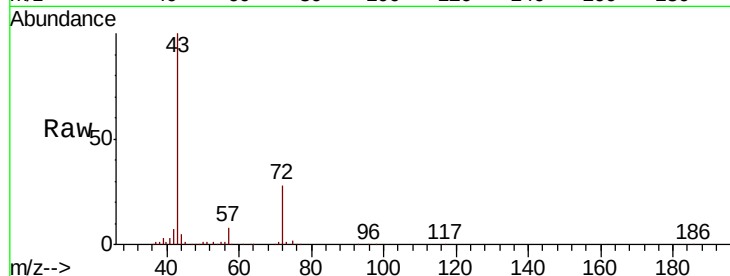




#25
2-Butanone
Concen: 48.674 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

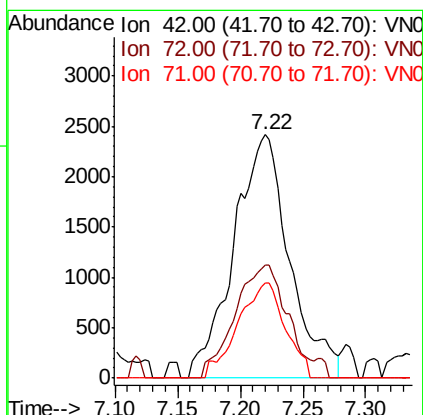
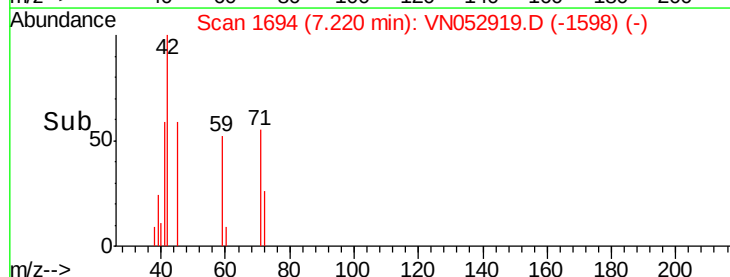
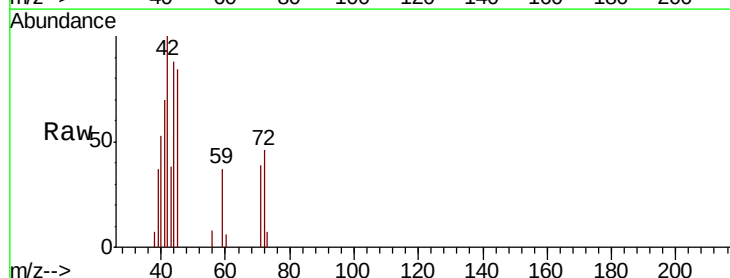
Instrument :
MSVOA_N
ClientSampleId :
23575

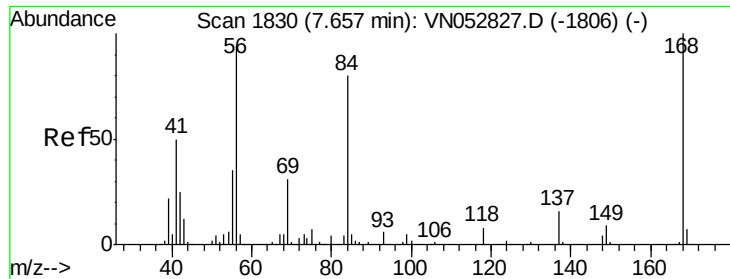
Tot Ion: 43 Resp: 245798
Ion Ratio Lower Upper
43 100
72 27.5 21.0 31.6



#29
Tetrahydrofuran
Concen: 2.171 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Tgt Ion: 42 Resp: 7484
Ion Ratio Lower Upper
42 100
72 43.6 34.7 52.1
71 33.0 32.3 48.5

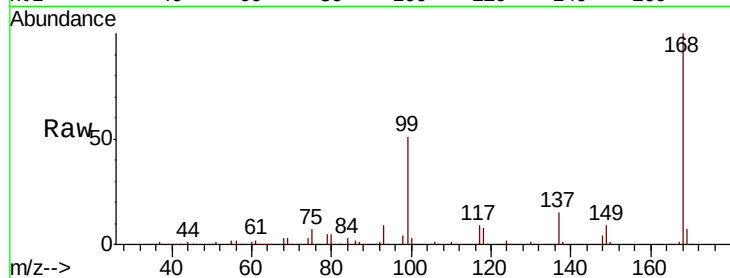




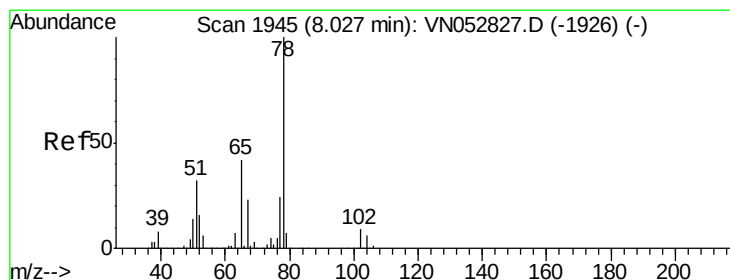
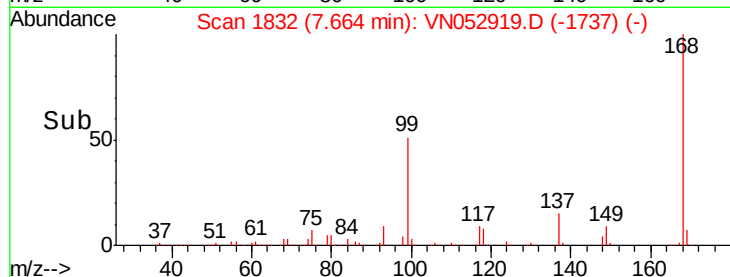
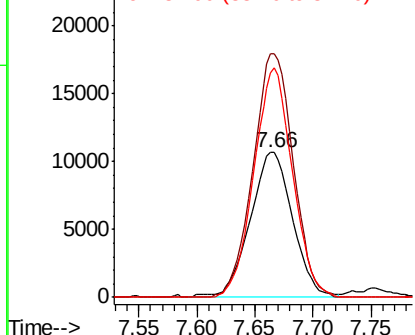
#31
Cyclohexane
Concen: 0.536 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
23575

Tot Ion: 56 Resp: 27261
Ion Ratio Lower Upper
56 100
69 168.0 26.6 39.8#
84 154.8 68.4 102.6#

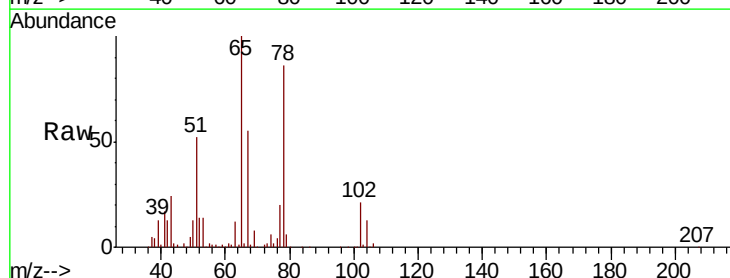


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

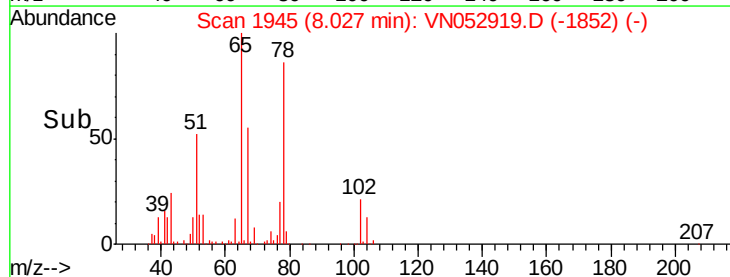
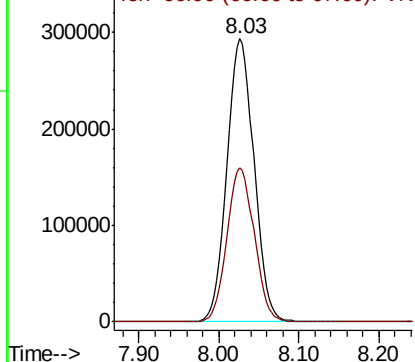


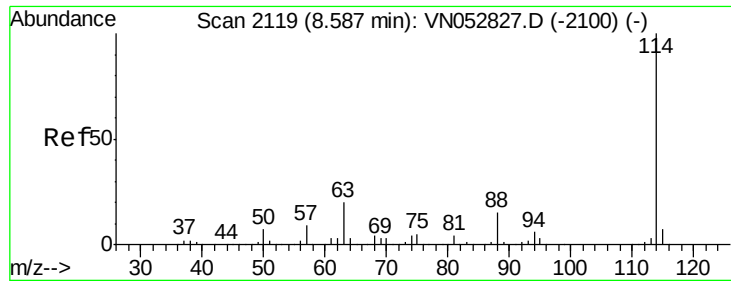
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Tgt Ion: 65 Resp: 677310
Ion Ratio Lower Upper
65 100
67 54.9 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



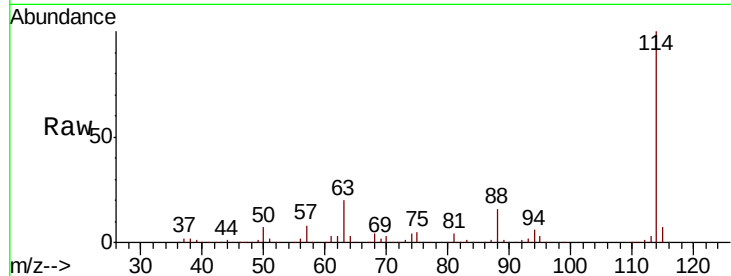


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

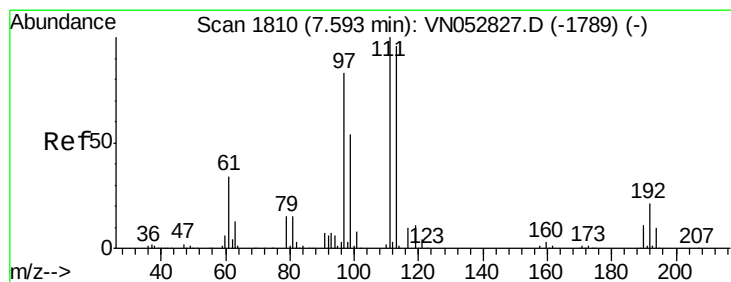
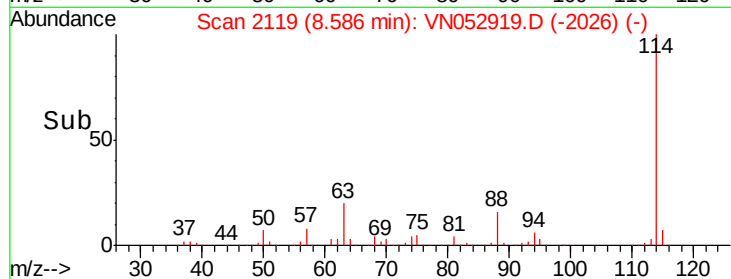
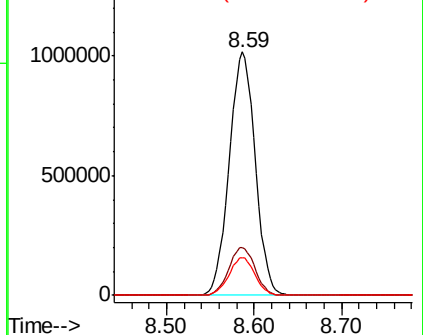
Instrument :
 MSVOA_N
 ClientSampleId :
 23575

Tot Ion:114 Resp: 2092524

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.8
88	15.7	0.0	31.0



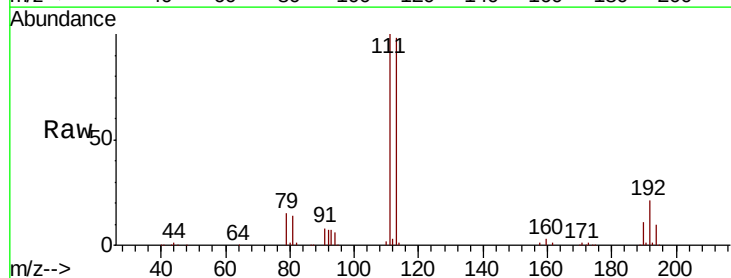
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN



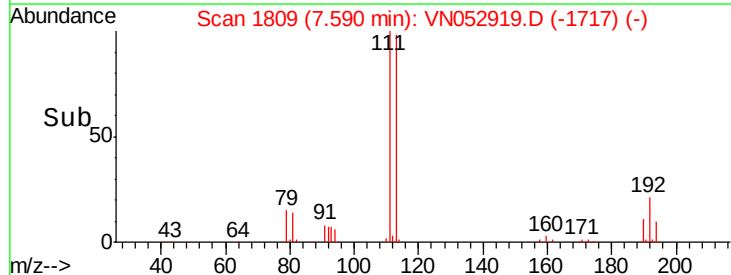
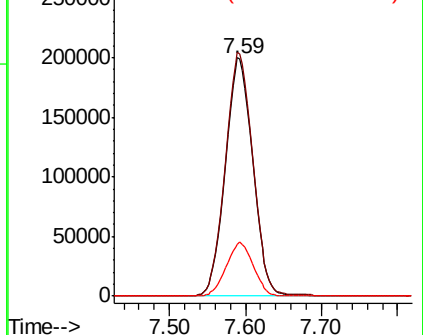
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

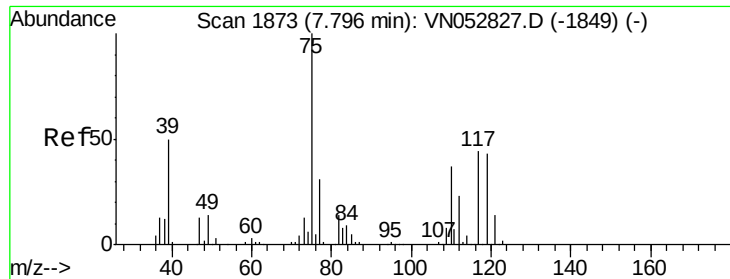
Tgt Ion:113 Resp: 504650

Ion	Ratio	Lower	Upper
113	100		
111	102.3	83.0	124.4
192	22.1	17.5	26.3



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: 4.720 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

23575

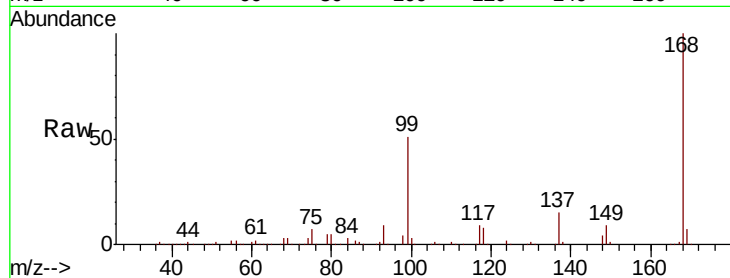
Tot Ion: 75 Resp: 90949

Ion Ratio Lower Upper

75 100

110 8.5 18.2 54.6#

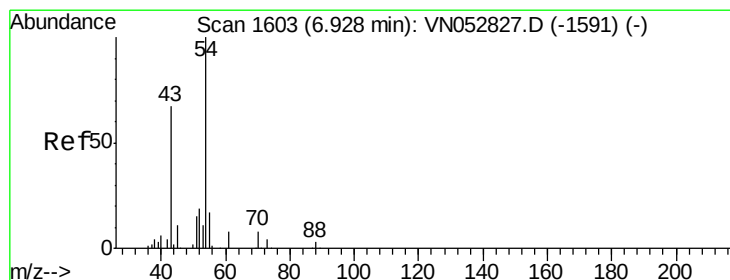
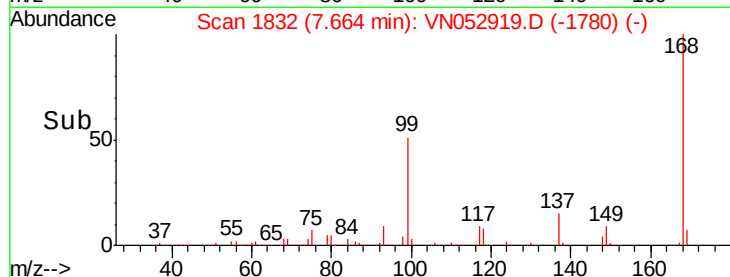
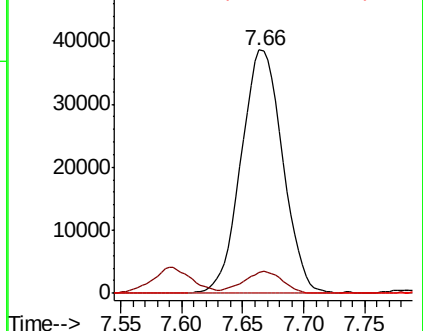
77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 1.045 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.01 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

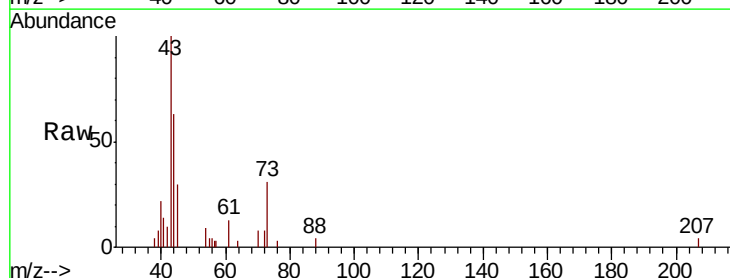
Tgt Ion: 43 Resp: 12097

Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

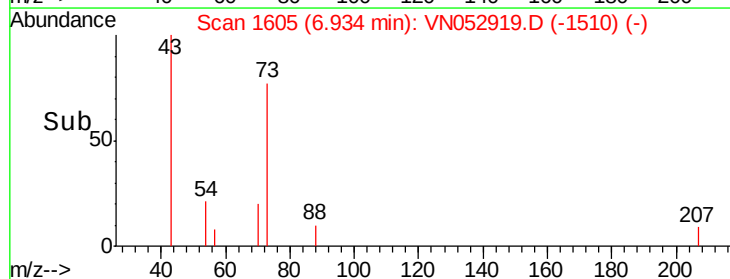
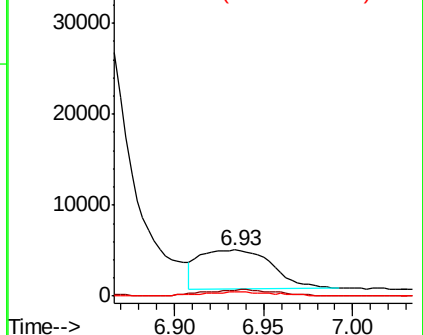
70 4.5 8.4 12.6#

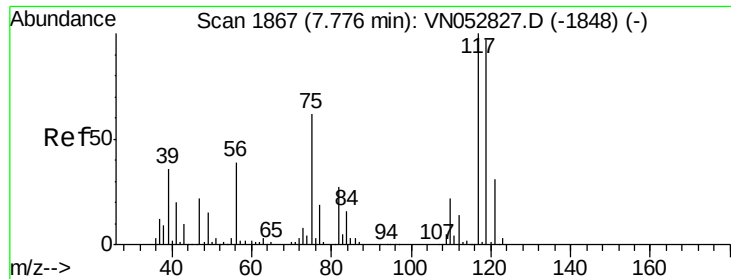


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.707 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

23575

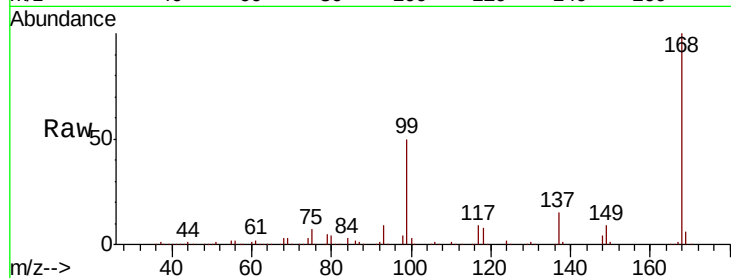
Tot Ion:117 Resp: 118952

Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

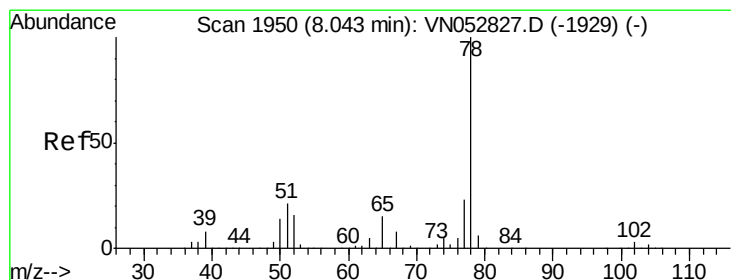
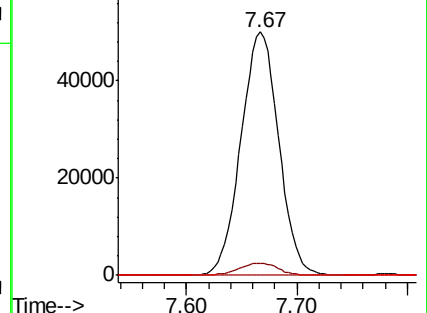
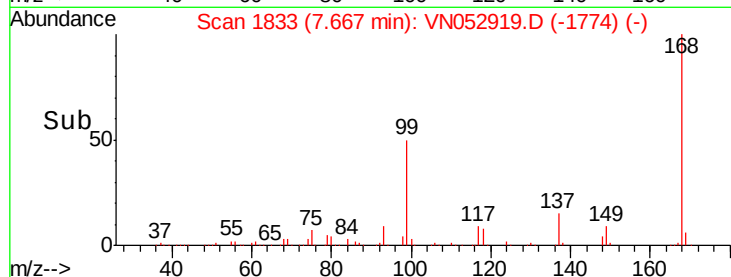
121 0.0 24.9 37.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 17.369 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. -0.00 min

Lab File: VN052919.D

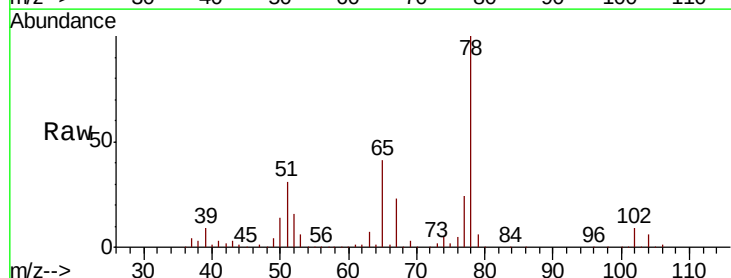
Acq: 17 Dec 2018 11:37

Tgt Ion: 78 Resp: 1004534

Ion Ratio Lower Upper

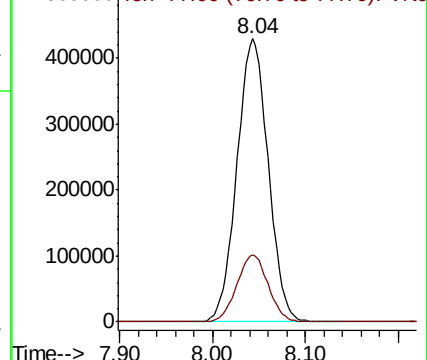
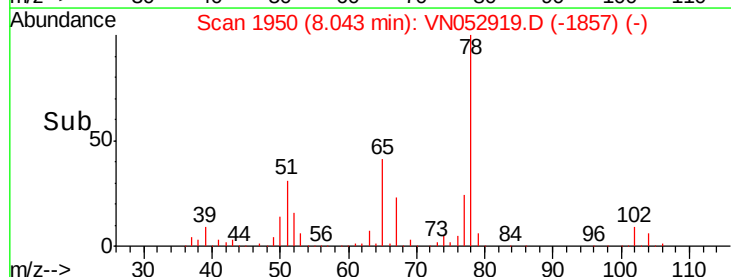
78 100

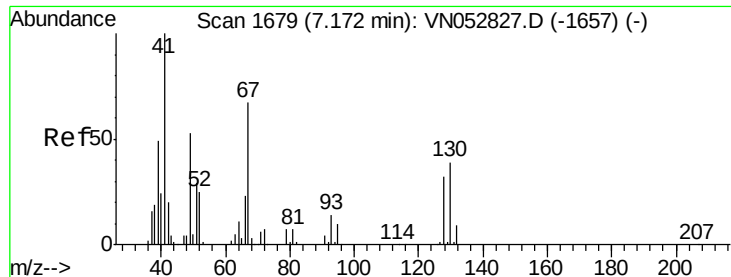
77 23.8 18.5 27.7



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

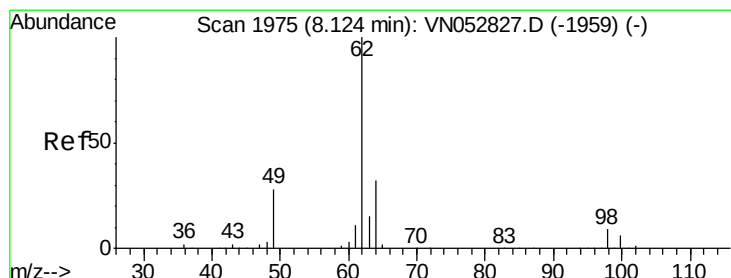
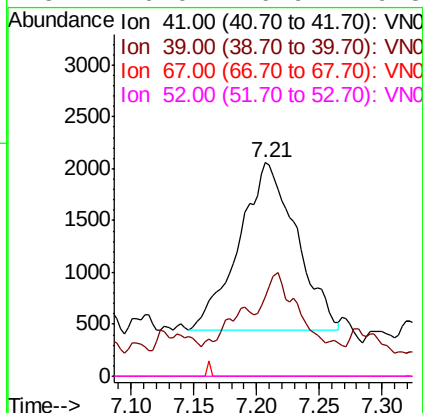
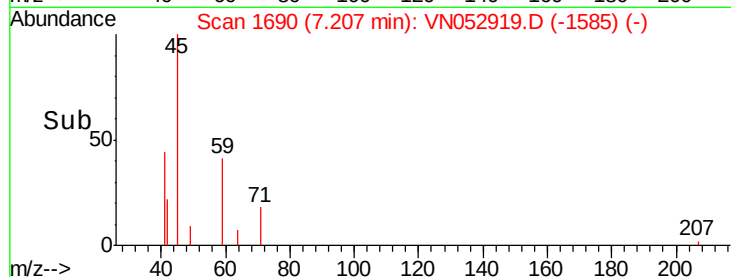
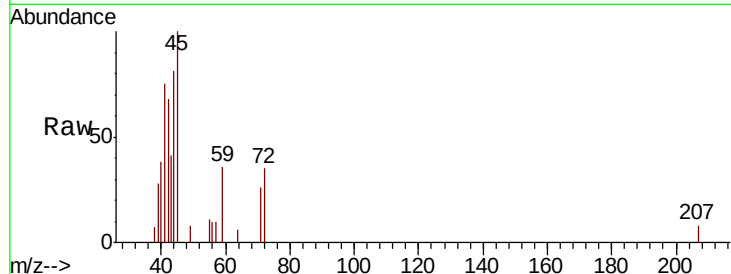




#41
Methacrylonitrile
Concen: 0.810 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.04 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

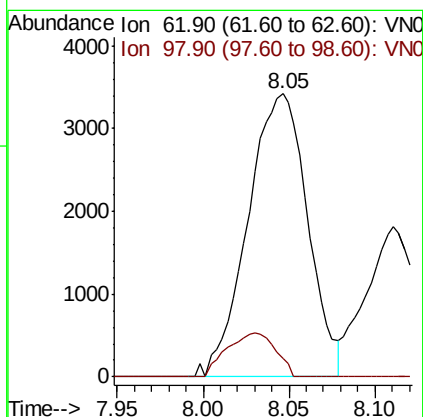
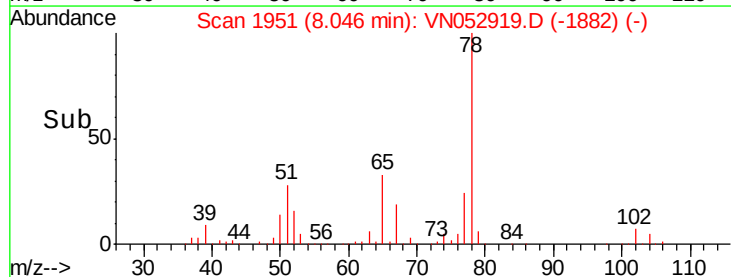
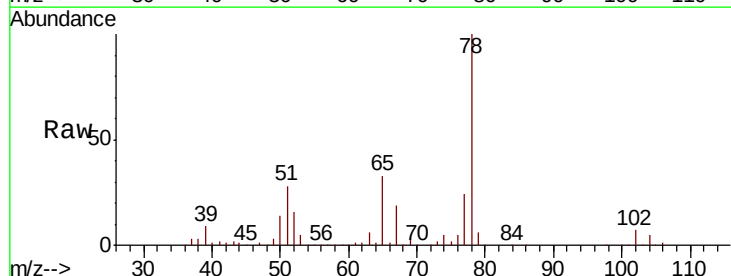
Instrument :
MSVOA_N
ClientSampleId :
23575

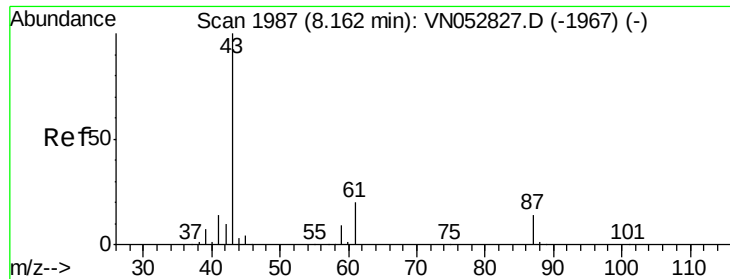
Tot Ion: 41 Resp: 5196
Ion Ratio Lower Upper
41 100
39 21.1 48.0 72.0#
67 0.0 70.3 105.5#
52 0.0 26.9 40.3#



#42
1,2-Dichloroethane
Concen: 0.474 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. -0.08 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Tgt Ion: 62 Resp: 8245
Ion Ratio Lower Upper
62 100
98 12.7 0.0 19.0





#43

Isopropyl Acetate

Concen: 22.260 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.16 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

23575

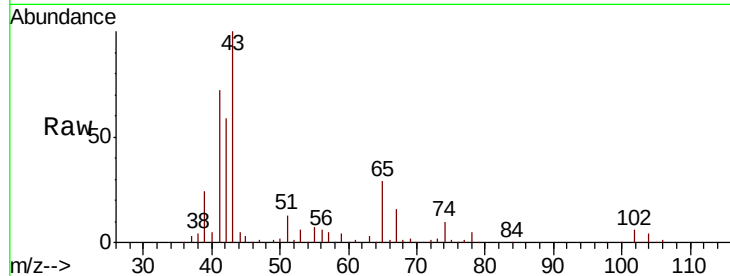
Tot Ion: 43 Resp: 528323

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

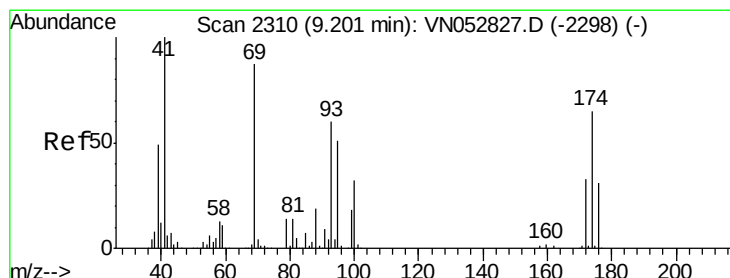
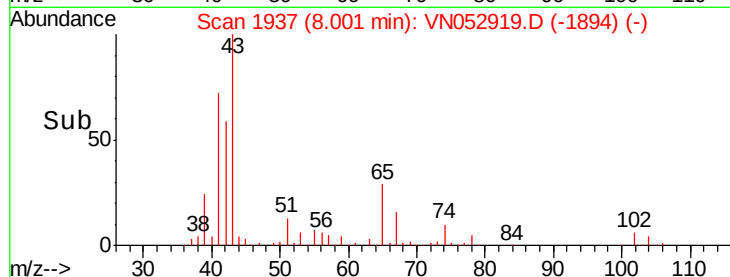
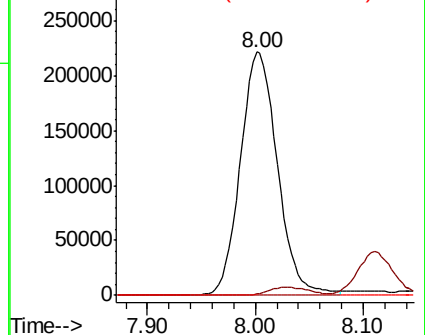
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 3.235 ug/l

RT: 9.17 min Scan# 2299

Delta R.T. -0.04 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

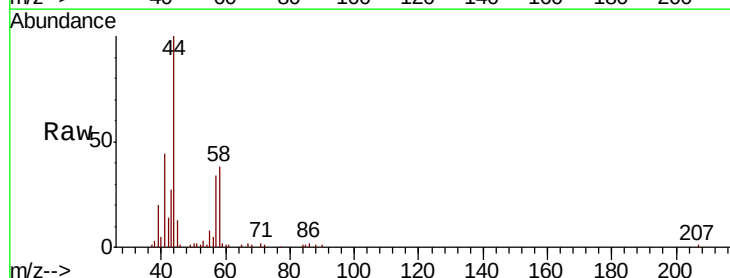
Tgt Ion: 41 Resp: 33673

Ion Ratio Lower Upper

41 100

69 0.0 72.2 108.2#

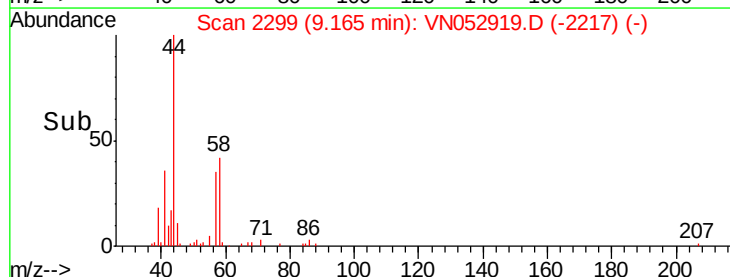
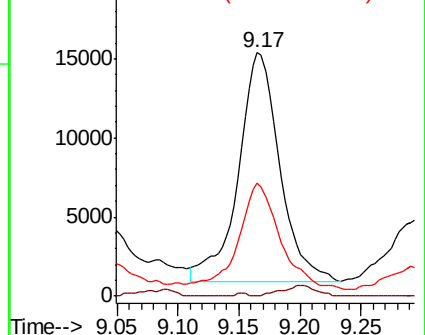
39 47.3 41.9 62.9

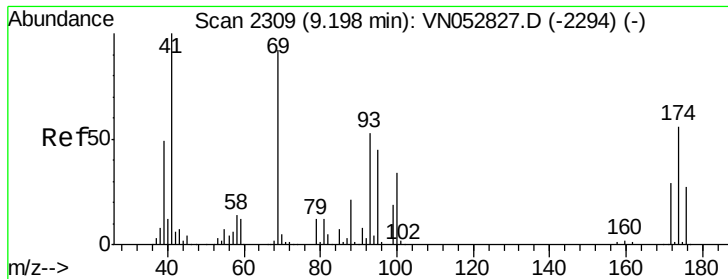


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 85.516 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

23575

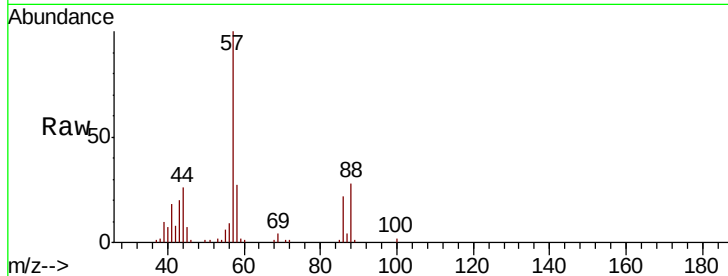
Tot Ion: 88 Resp: 10103

Ion Ratio Lower Upper

88 100

43 0.0 26.6 40.0#

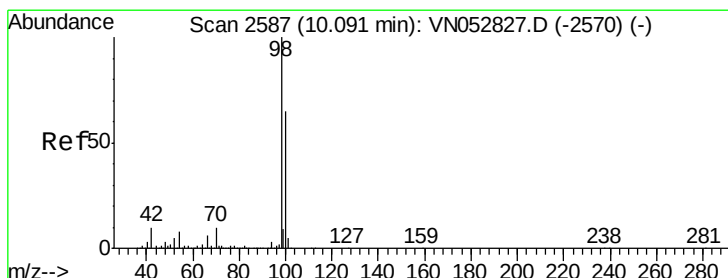
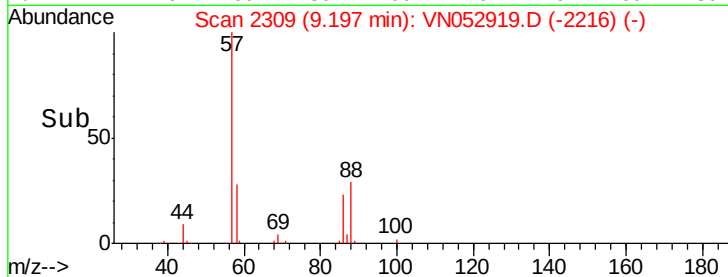
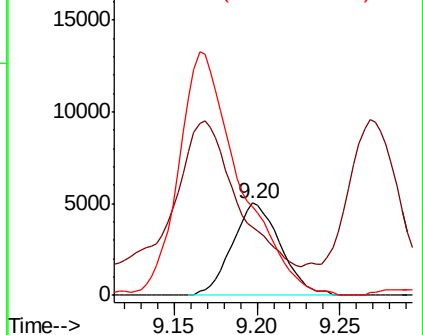
58 0.0 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VN052919.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN052919.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN052919.D (-2216) (-)



#50

Toluene-d8

Concen: 85.516 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052919.D

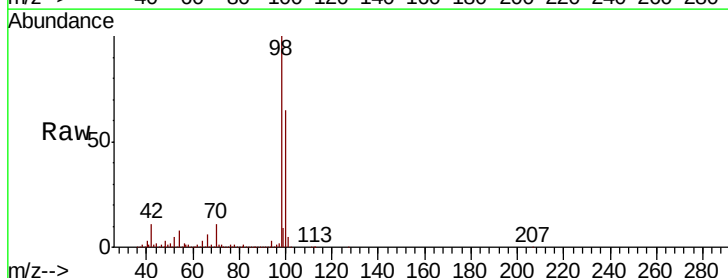
Acq: 17 Dec 2018 11:37

Tgt Ion: 98 Resp: 2567096

Ion Ratio Lower Upper

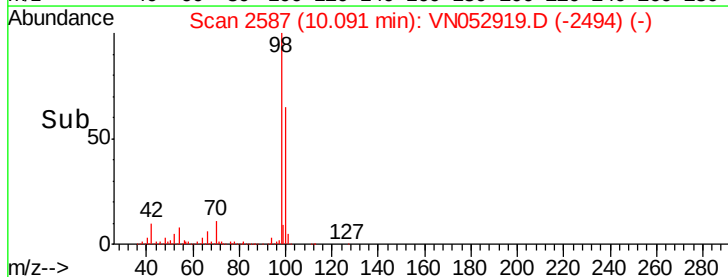
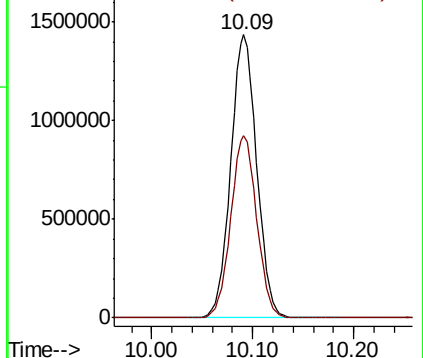
98 100

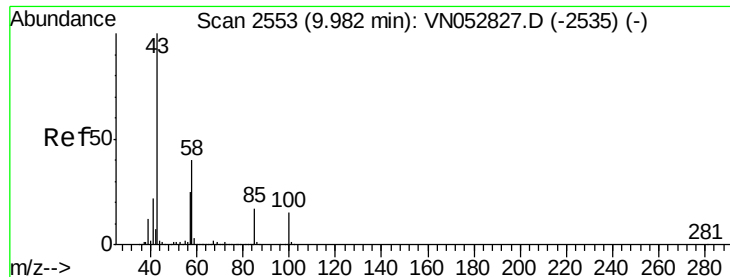
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052919.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN052919.D (-2494) (-)

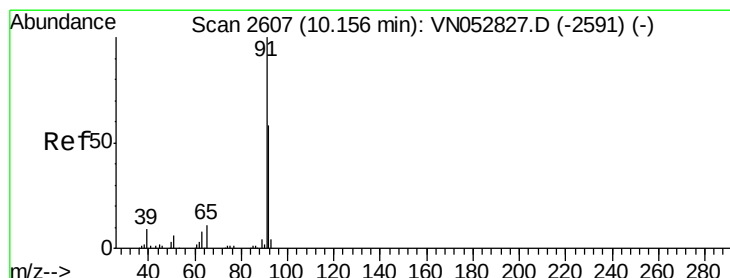
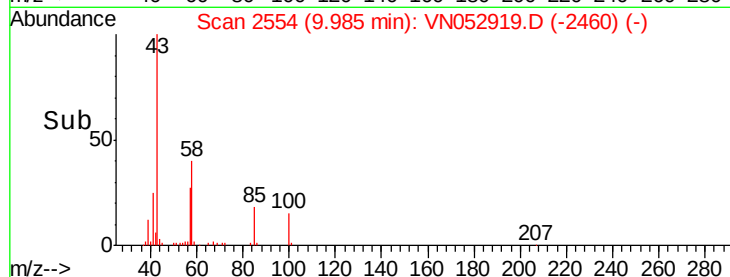
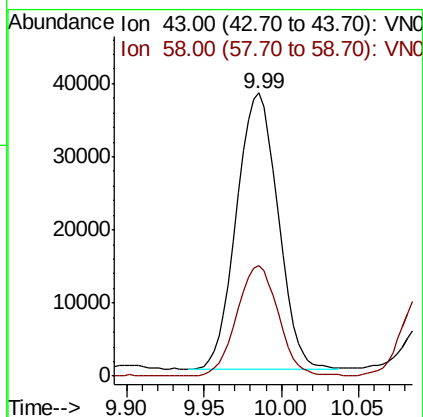
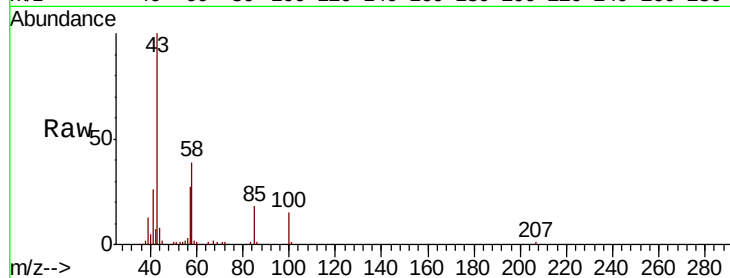




#51
4-Methyl-2-Pentanone
Concen: 6.461 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

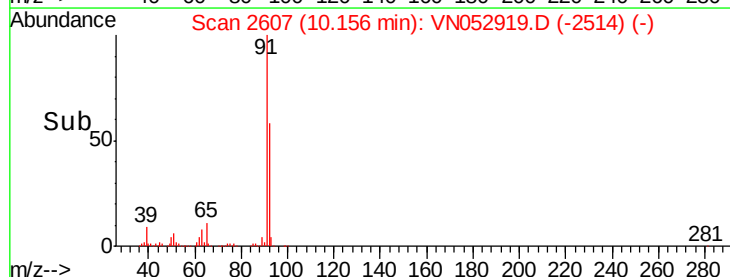
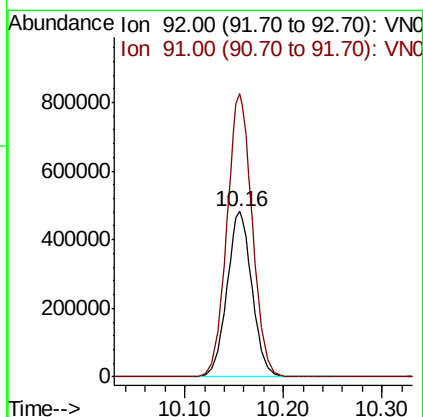
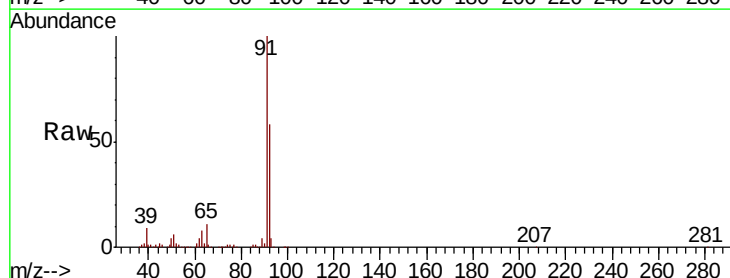
Instrument :
MSVOA_N
ClientSampled :
23575

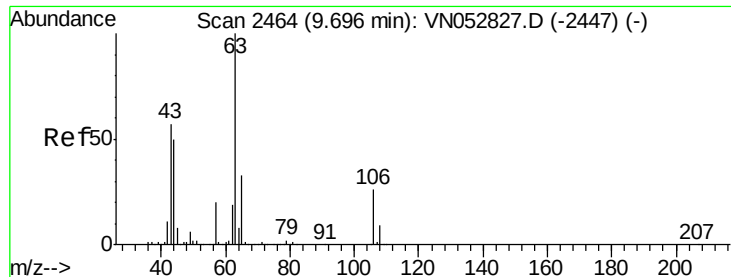
Tot Ion: 43 Resp: 70316
Ion Ratio Lower Upper
43 100
58 40.2 32.2 48.4



#52
Toluene
Concen: 24.121 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Tgt Ion: 92 Resp: 844907
Ion Ratio Lower Upper
92 100
91 174.3 139.8 209.6

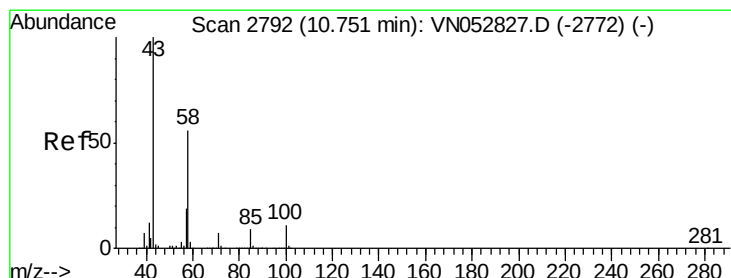
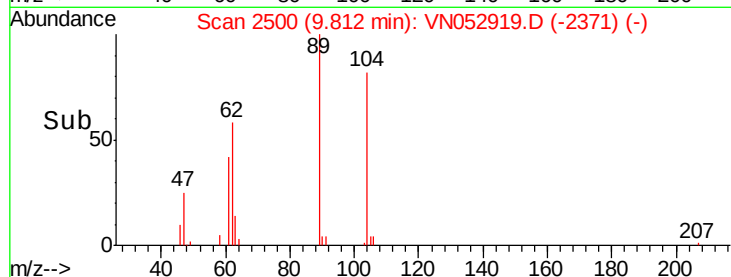
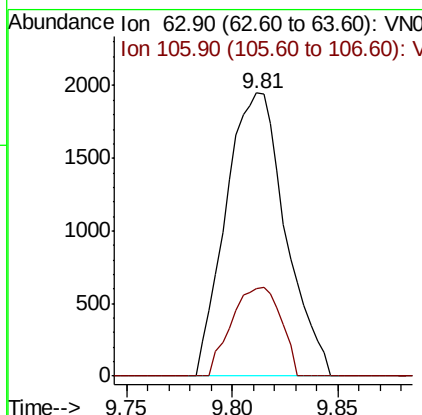
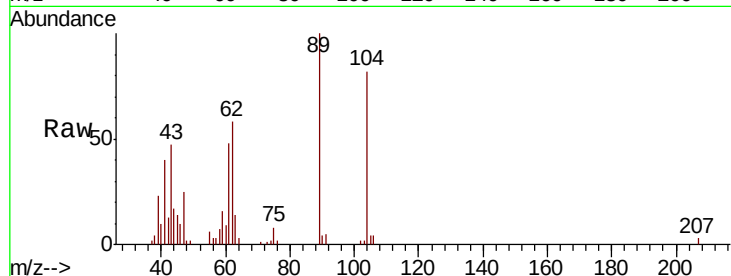




#58
 2-Chloroethyl vinyl ether
 Concen: 0.428 ug/l
 RT: 9.81 min Scan# 2500
 Delta R.T. 0.12 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

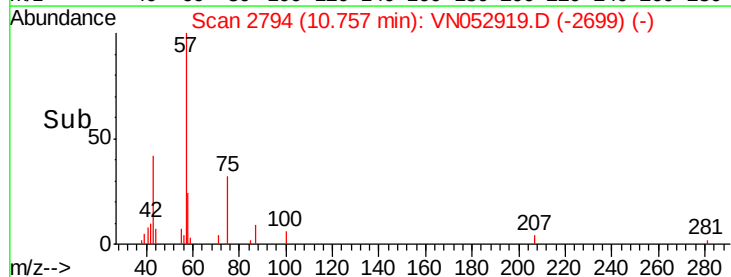
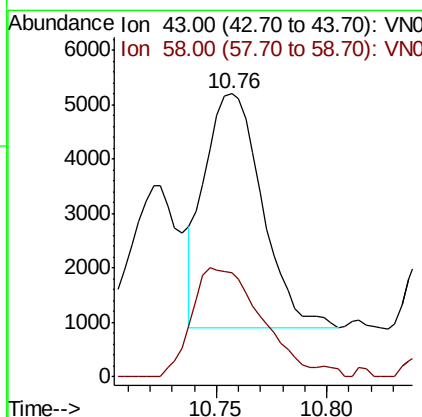
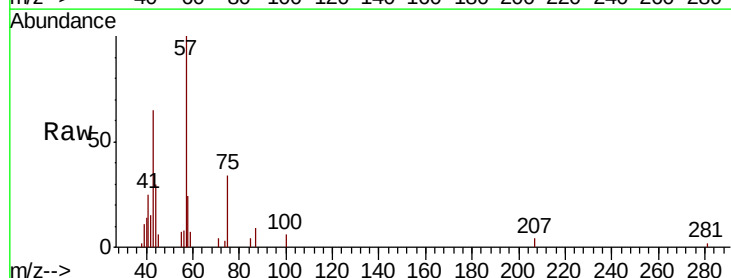
Instrument :
 MSVOA_N
 ClientSampleId :
 23575

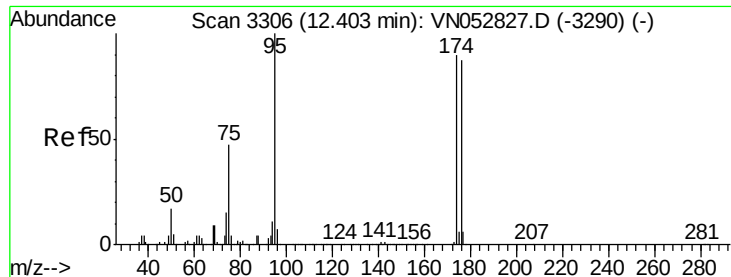
Tot Ion: 63 Resp: 3832
 Ion Ratio Lower Upper
 63 100
 106 25.9 21.0 31.6



#59
 2-Hexanone
 Concen: 1.044 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

Tgt Ion: 43 Resp: 7784
 Ion Ratio Lower Upper
 43 100
 58 56.2 28.1 84.3

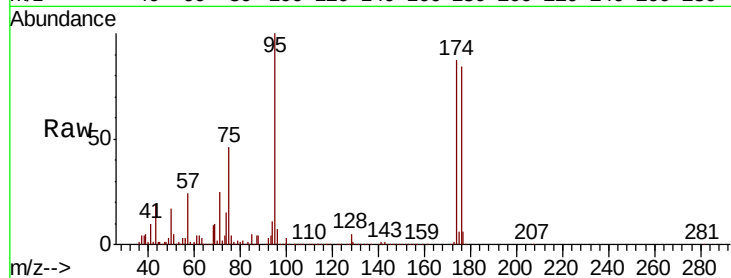




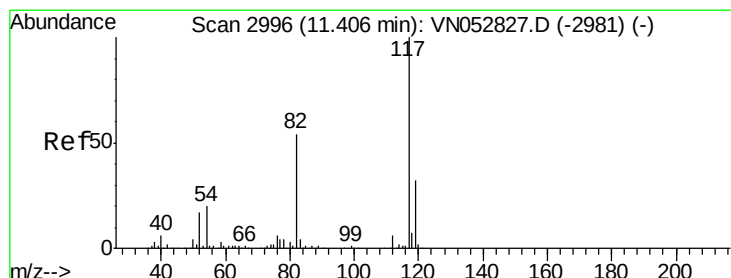
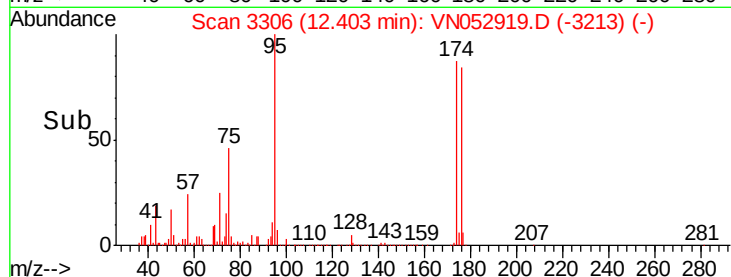
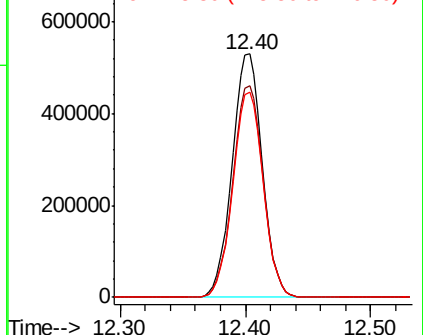
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Instrument :
MSVOA_N
ClientSampleId :
23575

Tot Ion: 95 Resp: 880721
Ion Ratio Lower Upper
95 100
174 87.8 0.0 178.8
176 85.1 0.0 173.8

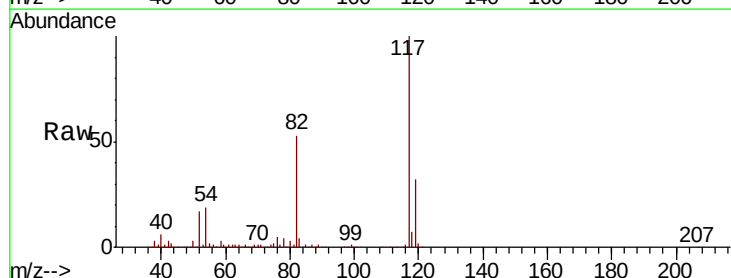


Abundance Ion 94.90 (94.60 to 95.60): VN
Ion 173.80 (173.50 to 174.50): VN
Ion 175.80 (175.50 to 176.50): VN

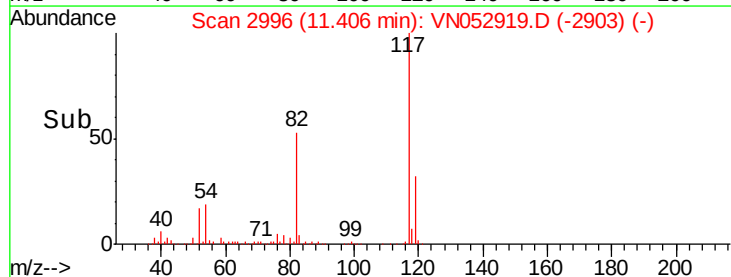
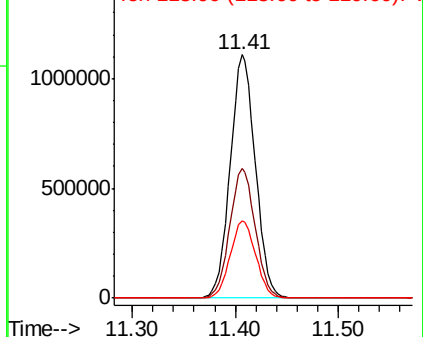


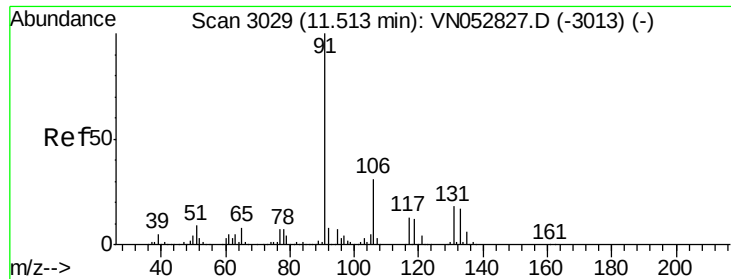
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Tgt Ion: 117 Resp: 1881745
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): VN

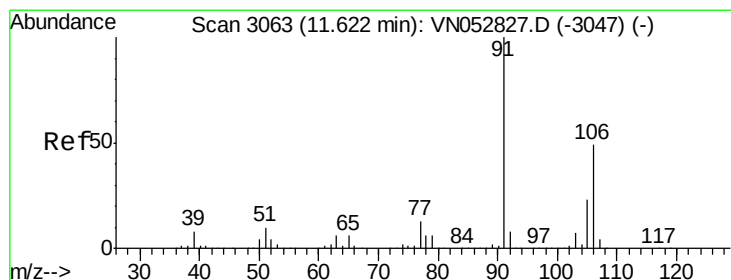
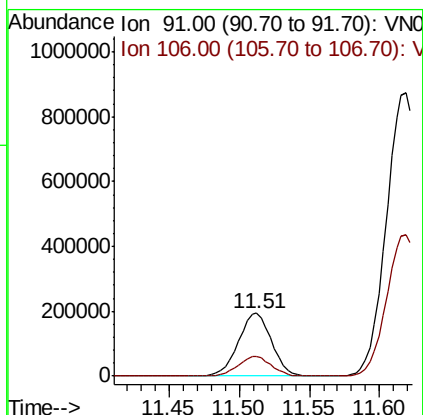
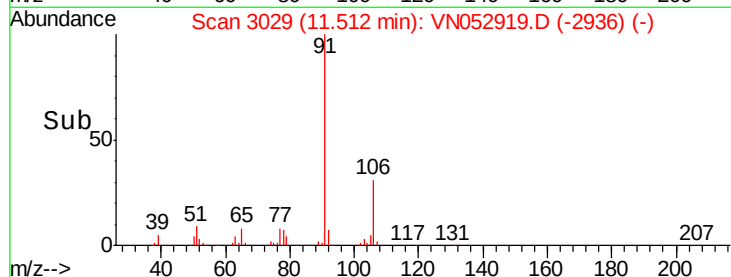
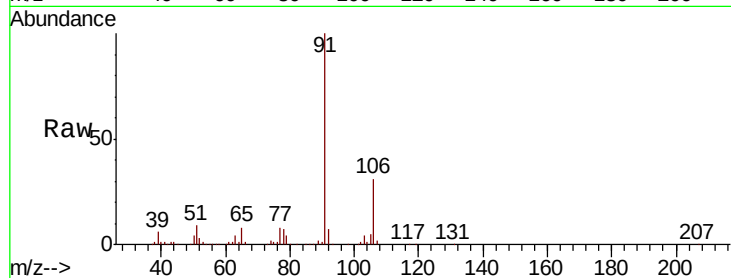




#67
Ethyl Benzene
Concen: 4.767 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

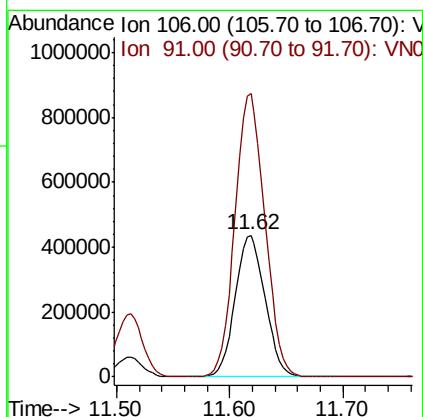
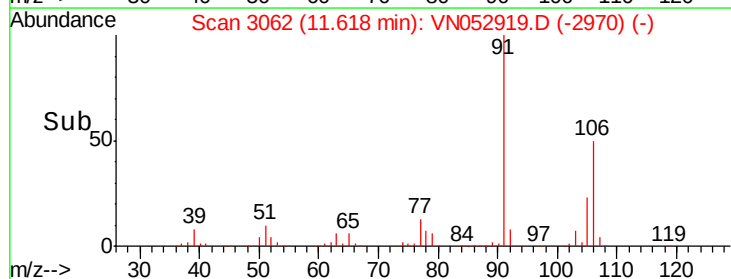
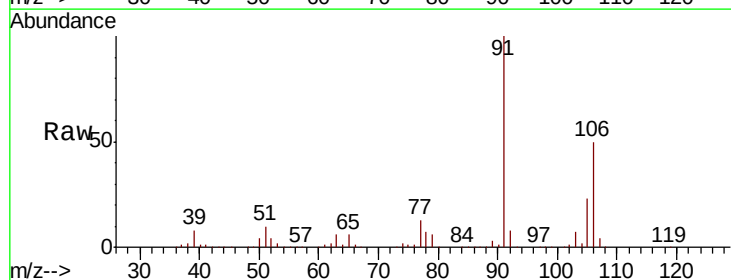
Instrument :
MSVOA_N
ClientSampled :
23575

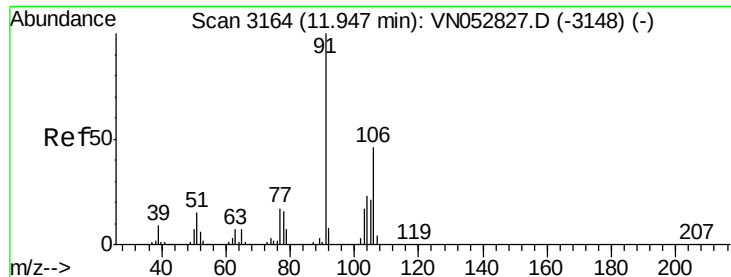
Tot Ion: 91 Resp: 319573
Ion Ratio Lower Upper
91 100
106 31.4 24.9 37.3



#68
m/p-Xylenes
Concen: 31.838 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Tgt Ion: 106 Resp: 801496
Ion Ratio Lower Upper
106 100
91 200.7 162.2 243.4

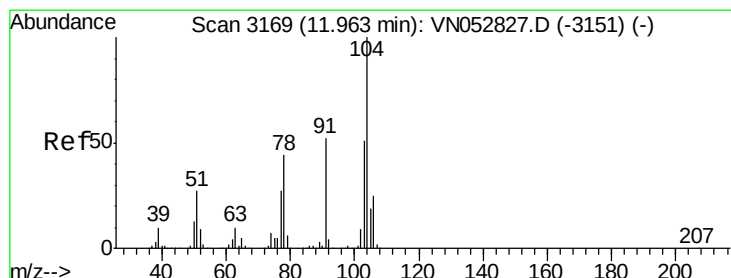
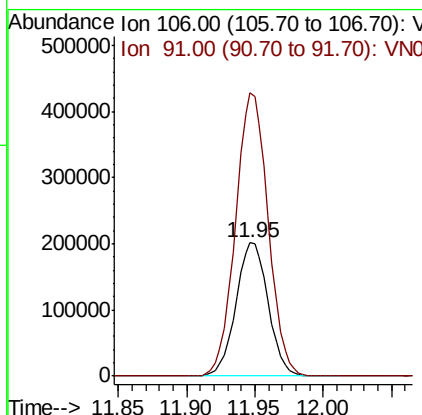
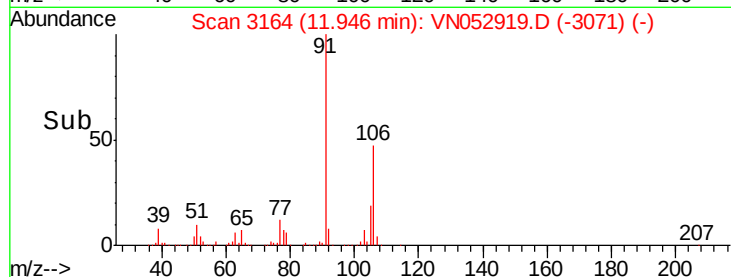
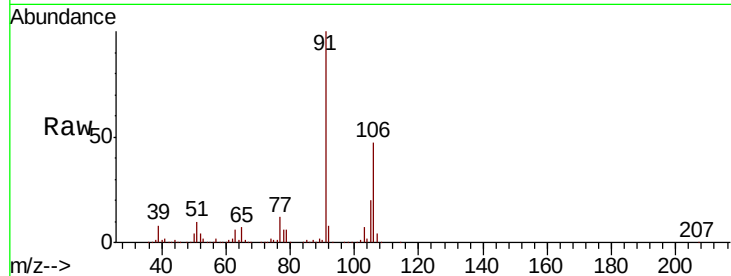




#69
o-Xylene
Concen: 13.408 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

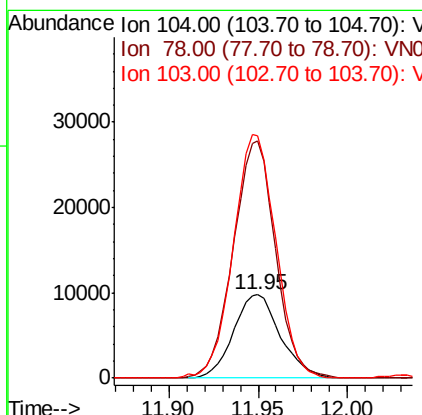
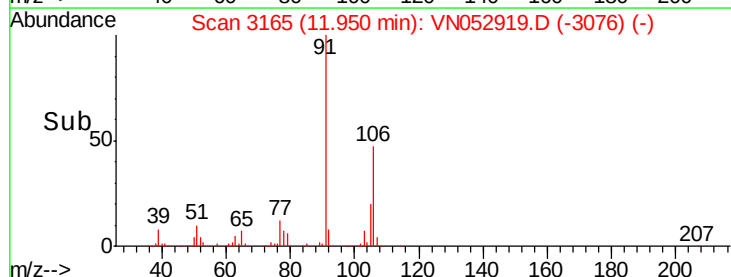
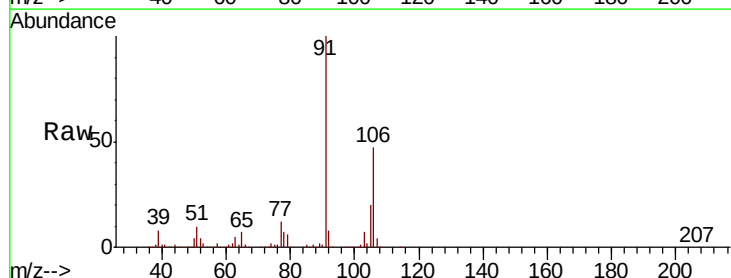
Instrument :
MSVOA_N
ClientSampled :
23575

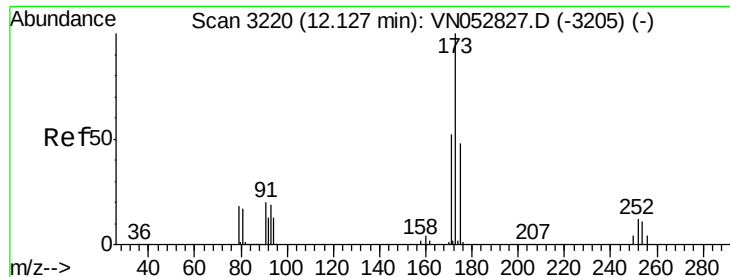
Tot Ion:106 Resp: 329589
Ion Ratio Lower Upper
106 100
91 215.3 106.6 319.8



#70
Styrene
Concen: 0.451 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN052919.D
Acq: 17 Dec 2018 11:37

Tgt Ion:104 Resp: 17818
Ion Ratio Lower Upper
104 100
78 257.4 38.9 58.3#
103 266.0 44.3 66.5#





#71

Bromoform

Concen: 0.615 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

23575

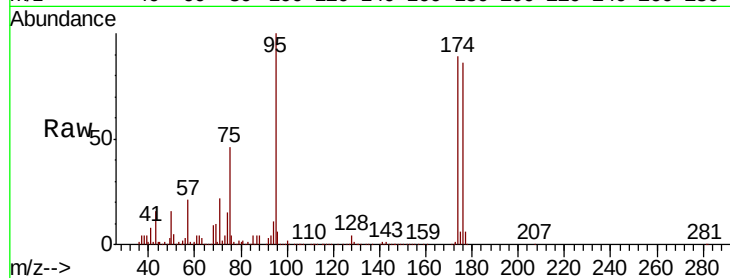
Tot Ion:173 Resp: 5675

Ion Ratio Lower Upper

173 100

175 862.1 24.3 72.9#

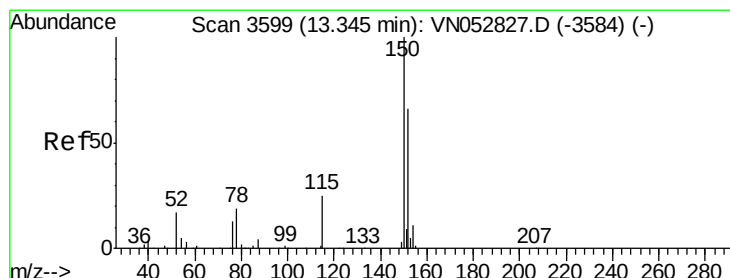
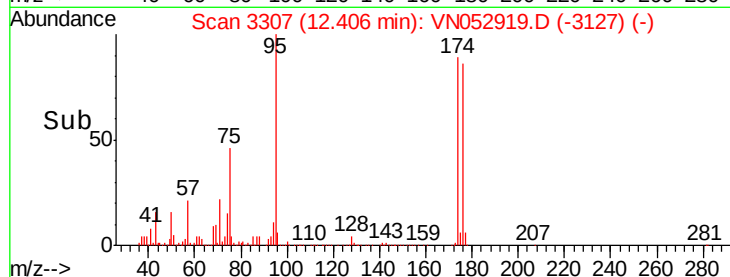
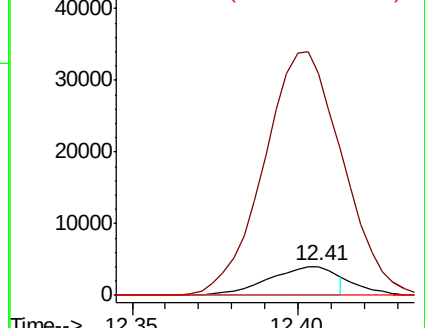
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

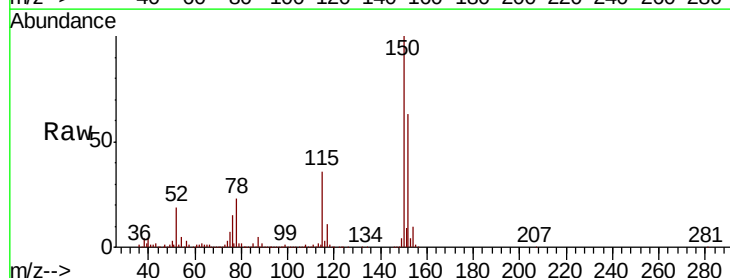
Tgt Ion:152 Resp: 797949

Ion Ratio Lower Upper

152 100

115 57.4 28.3 85.0

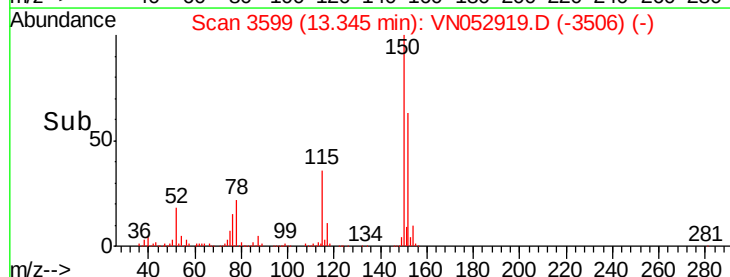
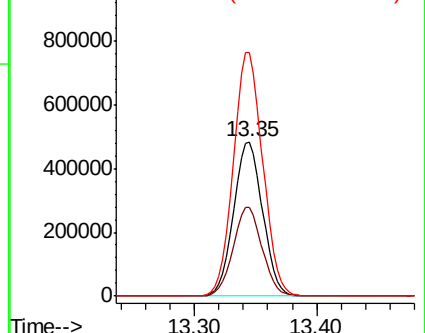
150 160.3 0.0 347.8

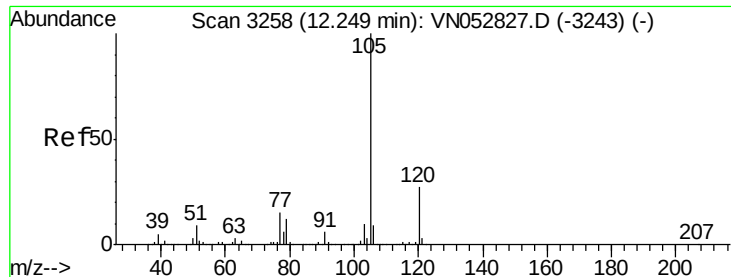


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.252 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

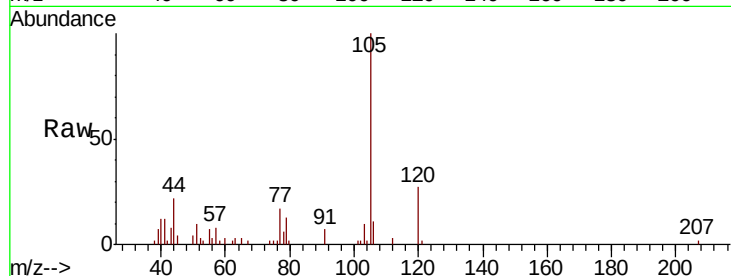
23575

Tot Ion:105 Resp: 14989

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

10000

8000

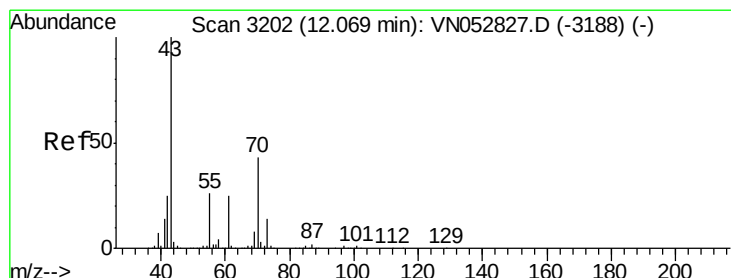
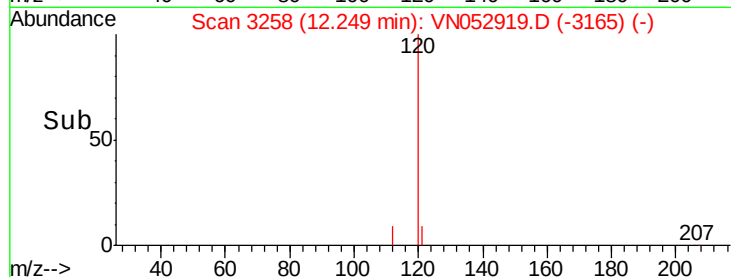
6000

4000

2000

0

Time--> 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 1.006 ug/l

RT: 11.99 min Scan# 3179

Delta R.T. -0.07 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Tgt Ion: 43 Resp: 16454

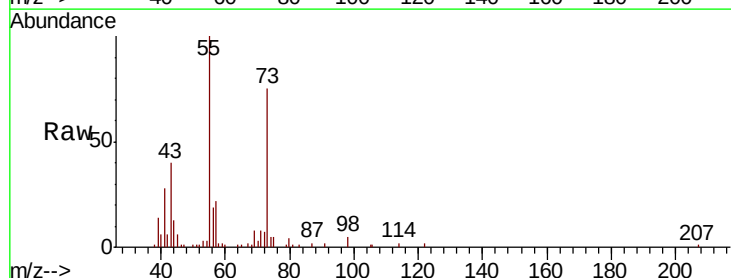
Ion Ratio Lower Upper

43 100

70 8.5 34.2 51.4#

55 261.2 20.3 30.5#

61 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

40000

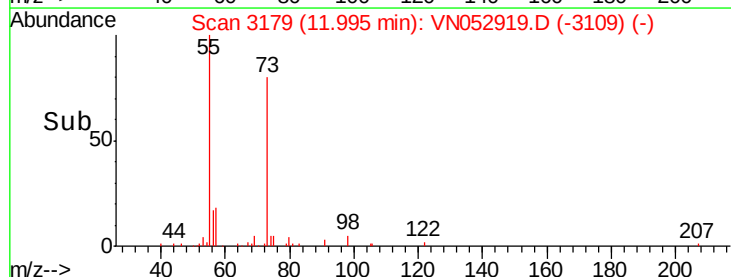
30000

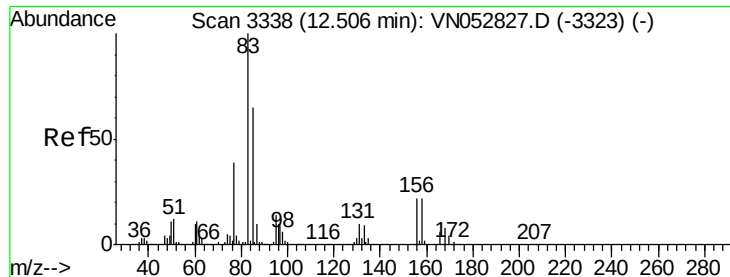
20000

10000

0

Time--> 11.95 12.00





#75

1,1,2,2-Tetrachloroethane

Concen: 0.598 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.04 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :
23575

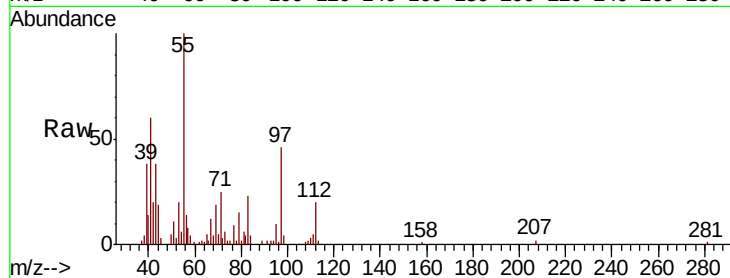
Tot Ion: 83 Resp: 7980

Ion Ratio Lower Upper

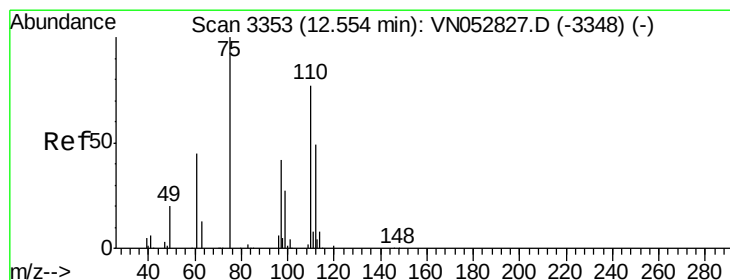
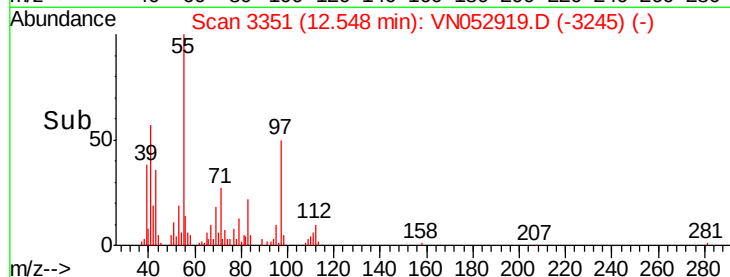
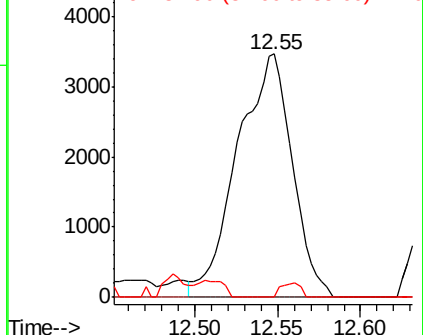
83 100

131 0.0 5.2 15.6#

85 0.0 32.4 97.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.071 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052919.D

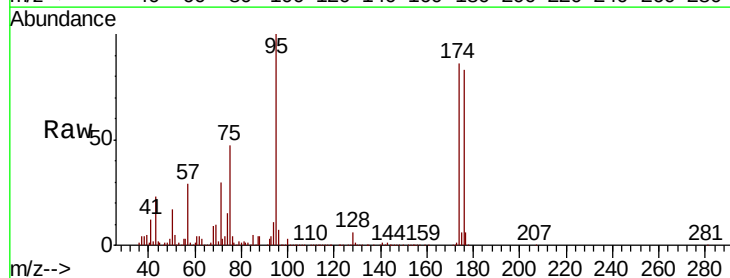
Acq: 17 Dec 2018 11:37

Tgt Ion: 75 Resp: 412889

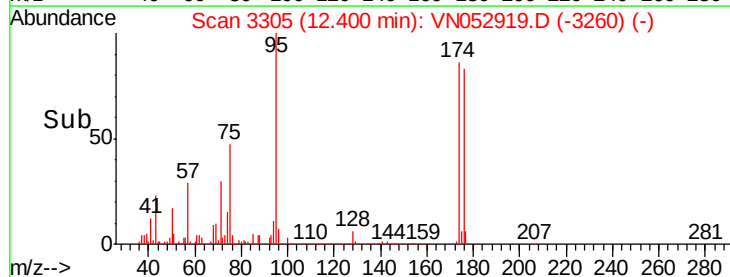
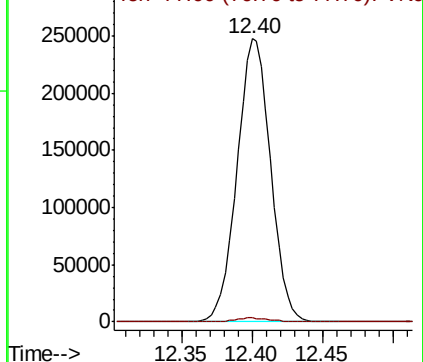
Ion Ratio Lower Upper

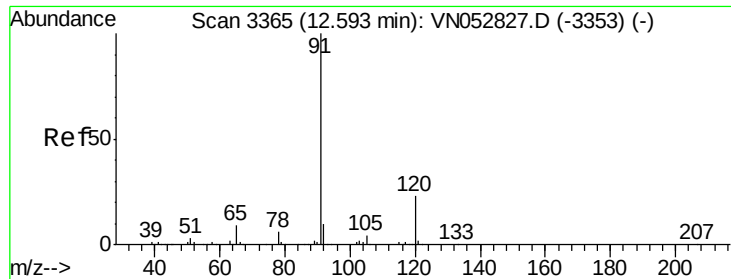
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.285 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampled :

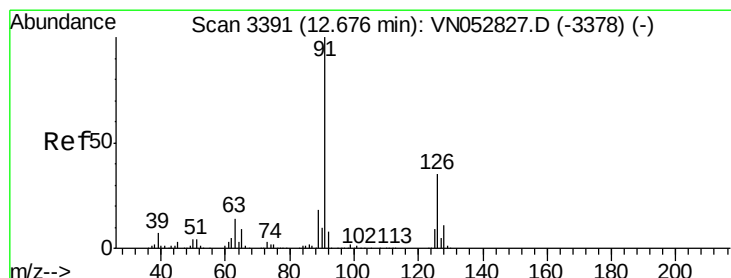
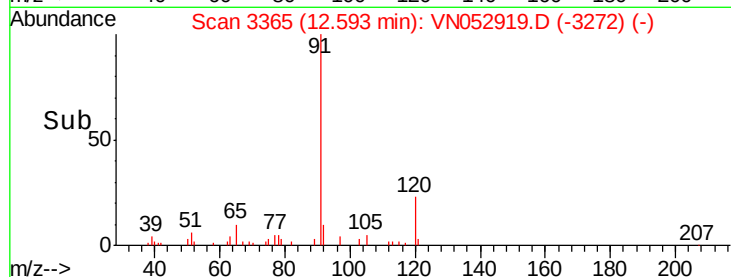
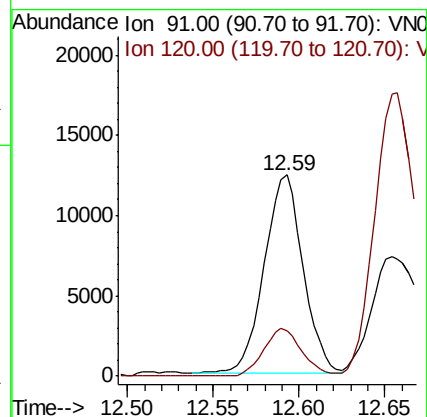
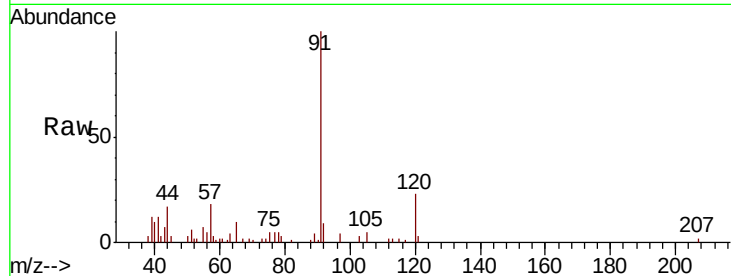
23575

Tot Ion: 91 Resp: 19342

Ion Ratio Lower Upper

91 100

120 23.7 11.5 34.5



#79

2-Chlorotoluene

Concen: 0.335 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN052919.D

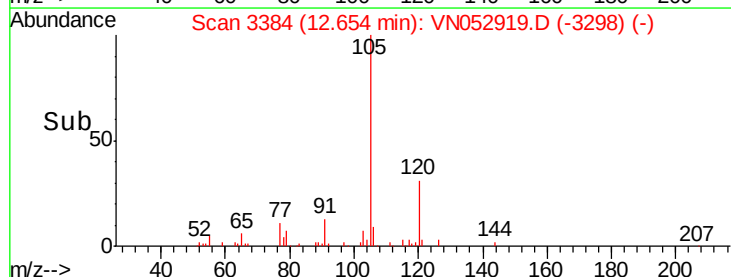
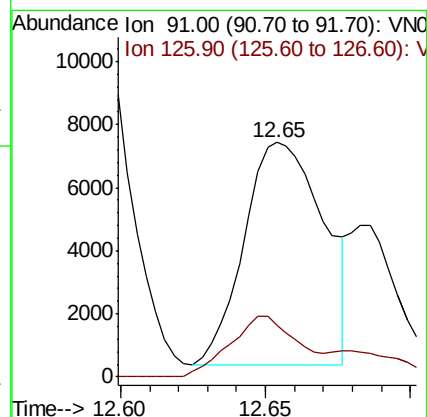
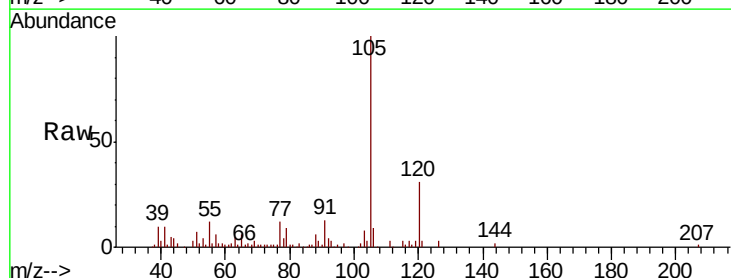
Acq: 17 Dec 2018 11:37

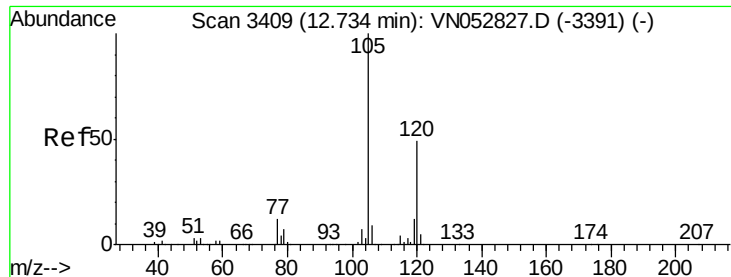
Tgt Ion: 91 Resp: 13472

Ion Ratio Lower Upper

91 100

126 23.5 17.4 52.3

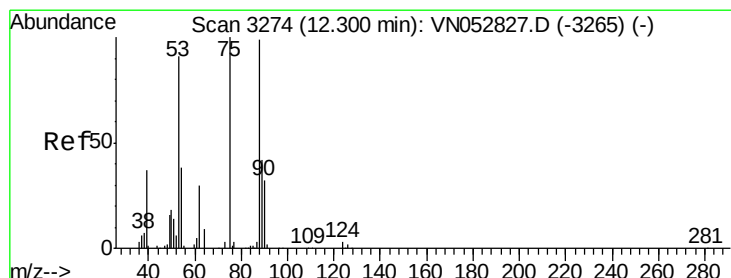
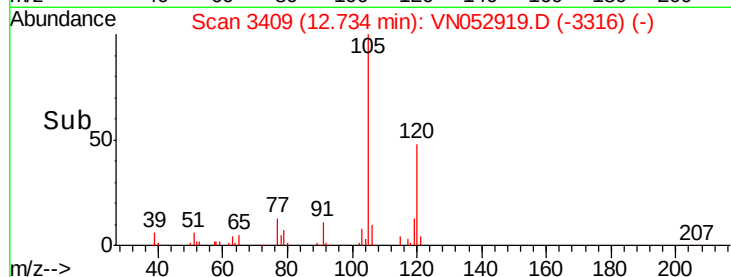
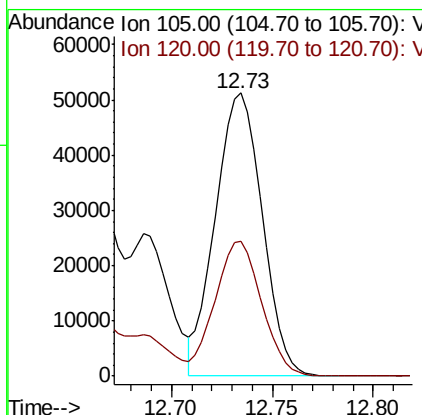
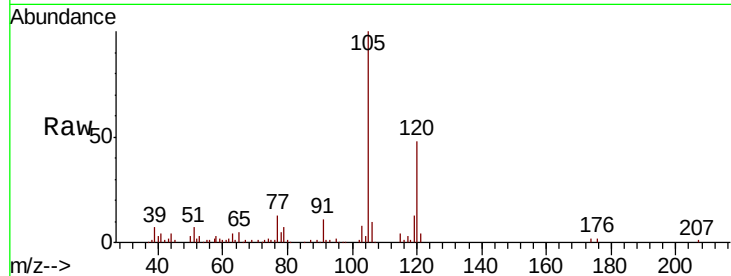




#80
 1,3,5-Trimethylbenzene
 Concen: 1.732 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

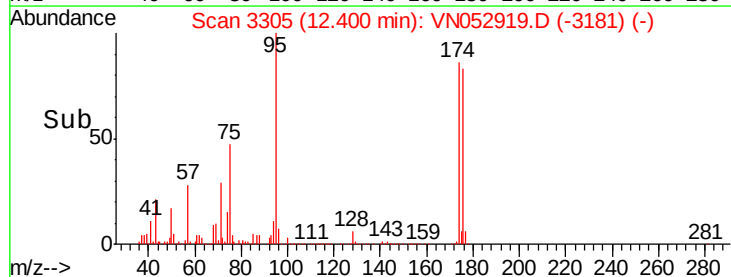
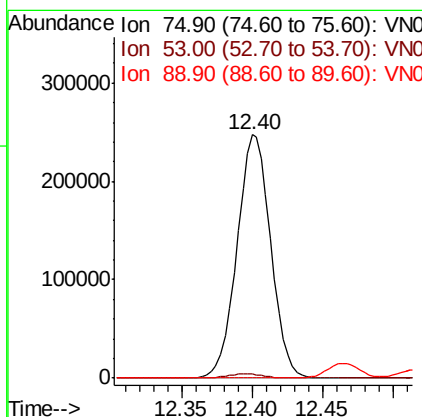
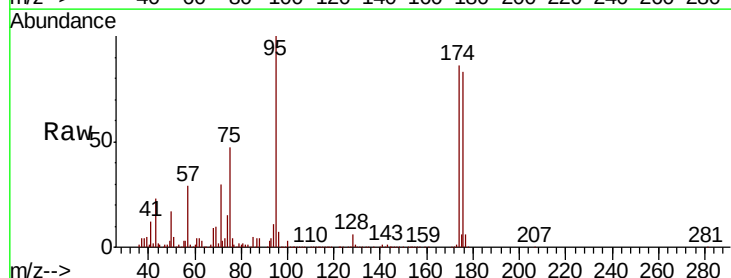
Instrument :
 MSVOA_N
 ClientSampled :
 23575

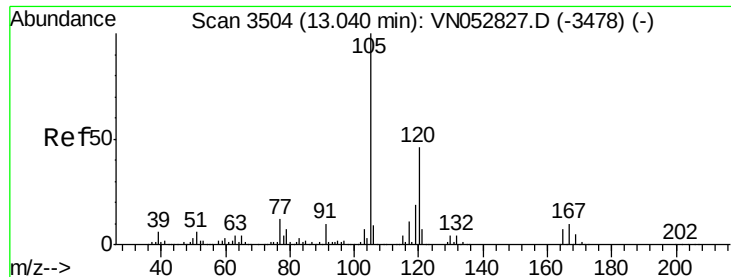
Tot Ion:105 Resp: 83304
 Ion Ratio Lower Upper
 105 100
 120 47.1 24.4 73.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.666 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

Tgt Ion: 75 Resp: 412889
 Ion Ratio Lower Upper
 75 100
 53 1.9 74.7 112.1#
 89 0.0 36.1 54.1#

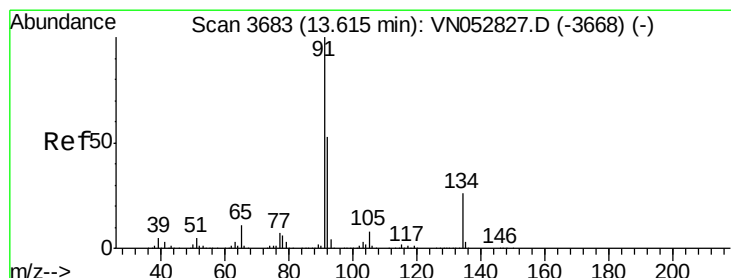
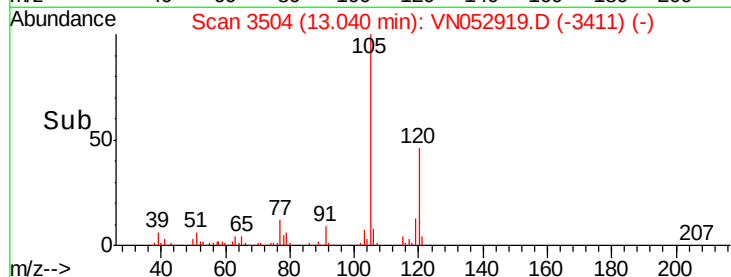
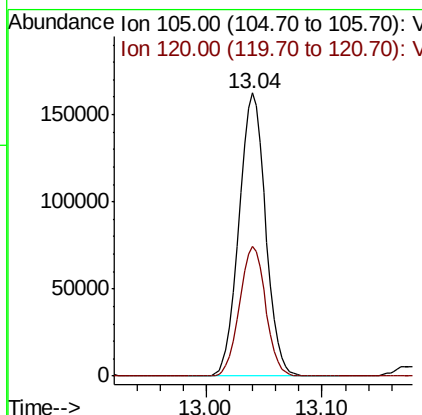
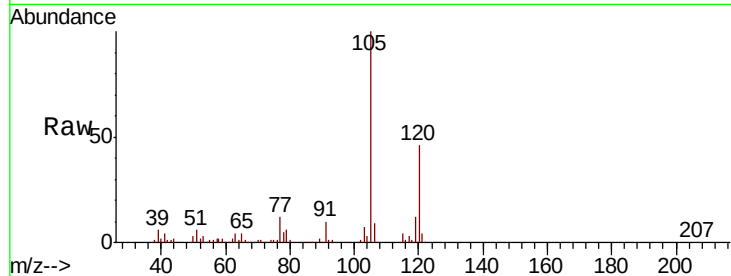




#84
 1,2,4-Trimethylbenzene
 Concen: 5.276 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

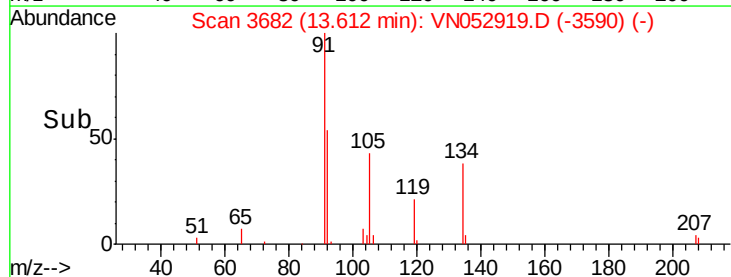
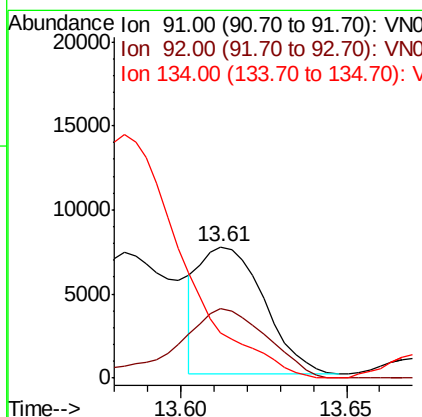
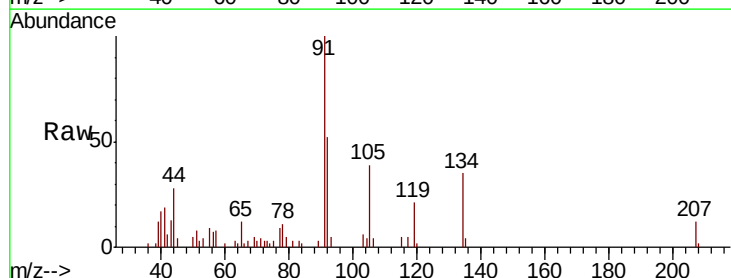
Instrument :
 MSVOA_N
 ClientSampled :
 23575

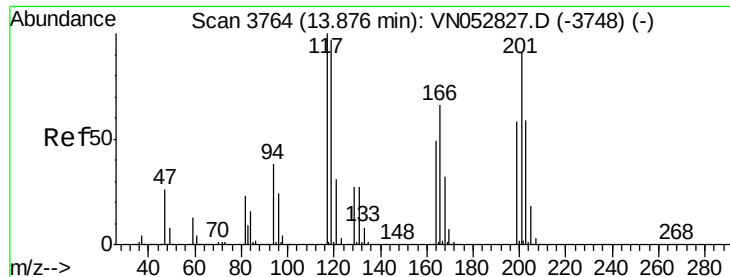
Tot Ion:105 Resp: 256865
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.9 68.8



#89
 n-Butylbenzene
 Concen: 0.243 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

Tgt Ion: 91 Resp: 10190
 Ion Ratio Lower Upper
 91 100
 92 79.8 26.3 78.9#
 134 0.0 13.3 39.8#





#90

Hexachloroethane

Concen: 1.440 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.02 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

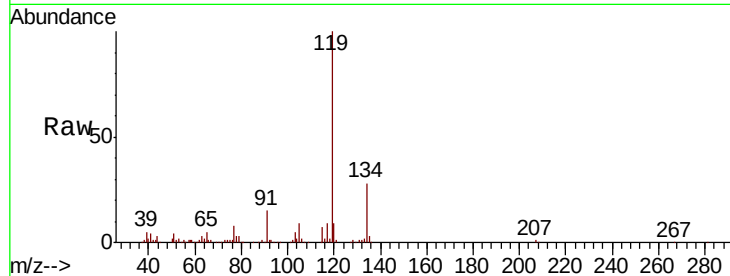
23575

Tot Ion:117 Resp: 12004

Ion Ratio Lower Upper

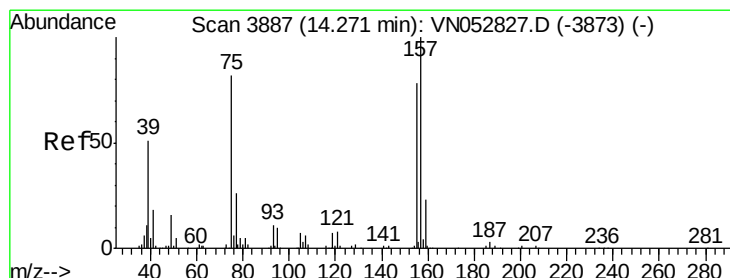
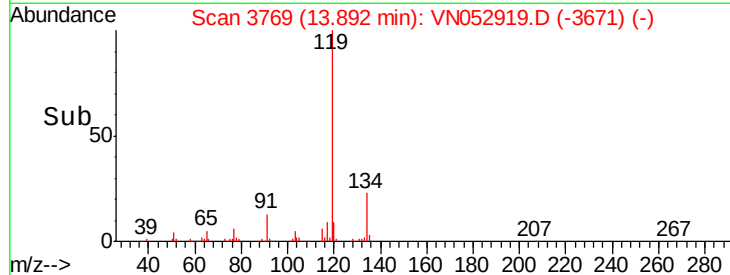
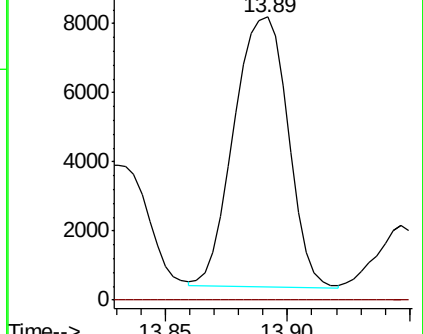
117 100

201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.837 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

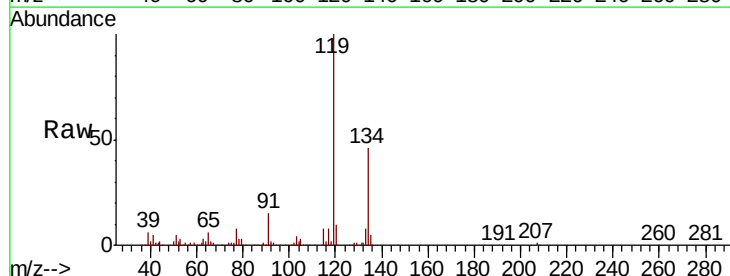
Tgt Ion: 75 Resp: 1685

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

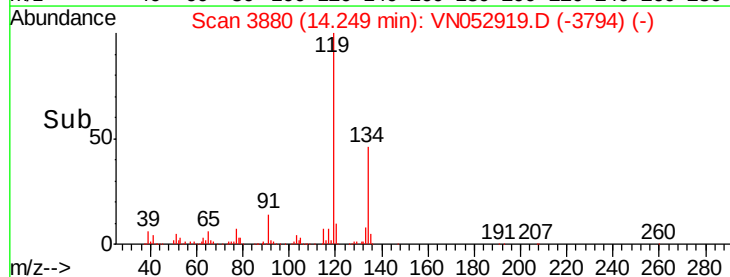
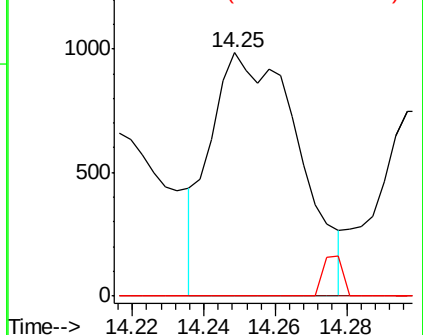
157 0.0 61.2 183.5#

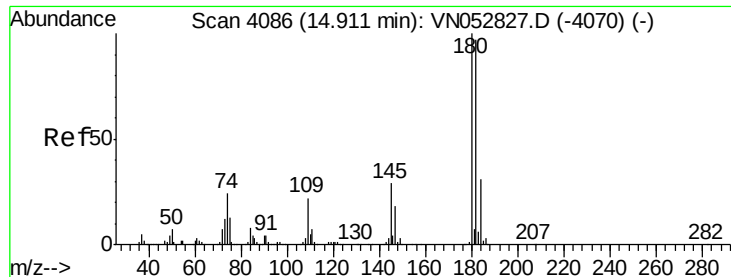


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

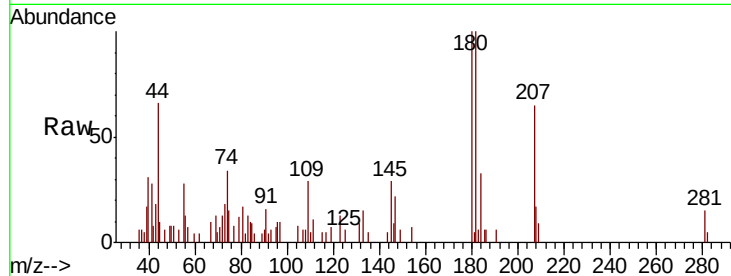




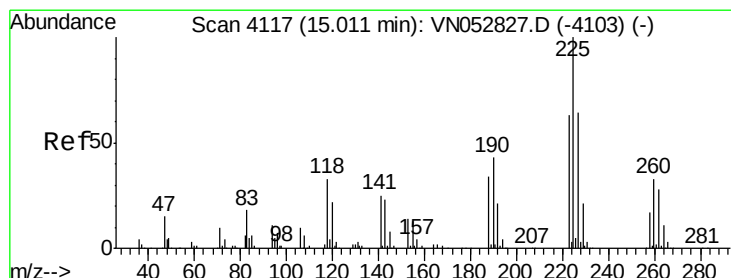
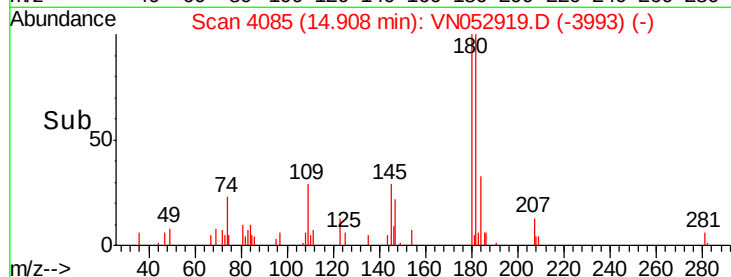
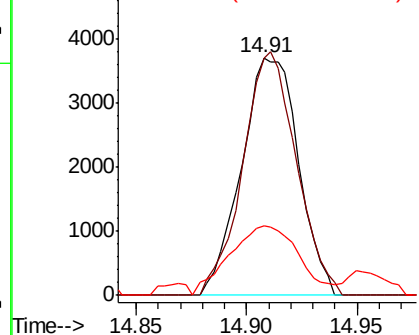
#93
 1,2,4-Trichlorobenzene
 Concen: 0.473 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

Instrument :
 MSVOA_N
 ClientSampleId :
 23575

Tot Ion:180 Resp: 6666
 Ion Ratio Lower Upper
 180 100
 182 96.6 47.8 143.3
 145 35.6 14.2 42.6

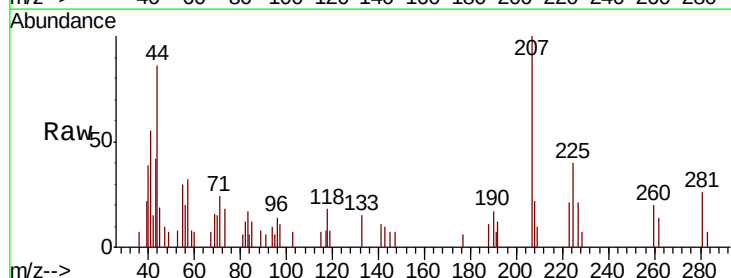


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

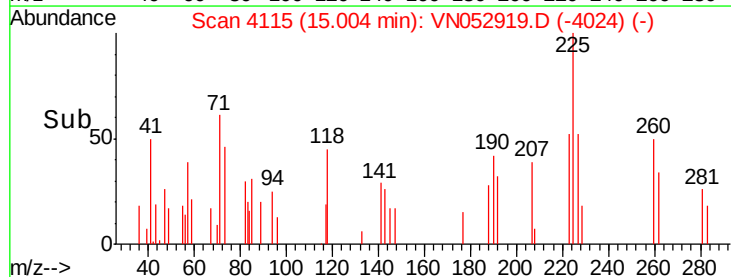
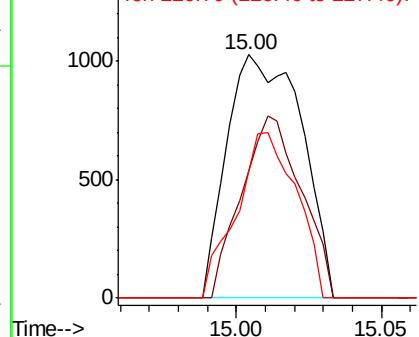


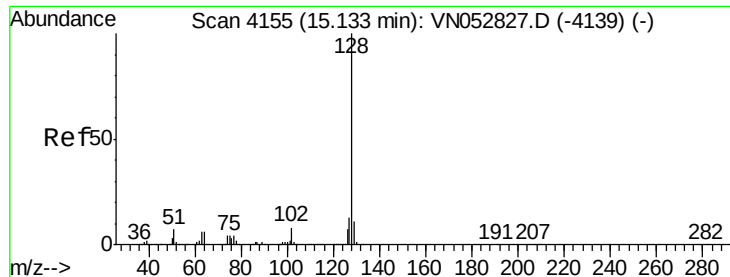
#94
 Hexachlorobutadiene
 Concen: 0.225 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.01 min
 Lab File: VN052919.D
 Acq: 17 Dec 2018 11:37

Tgt Ion:225 Resp: 1836
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.5 94.5
 227 54.7 31.9 95.7



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





#95

Naphthalene

Concen: 5.679 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

Instrument :

MSVOA_N

ClientSampleId :

23575

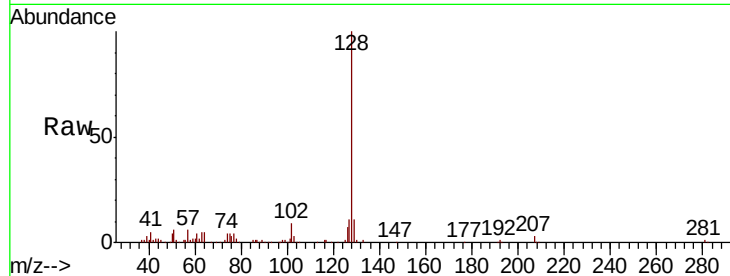
Tot Ion:128 Resp: 165616

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

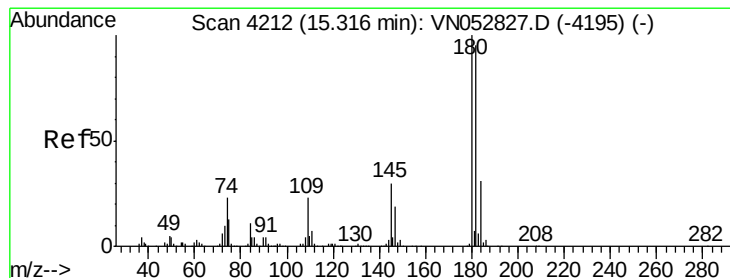
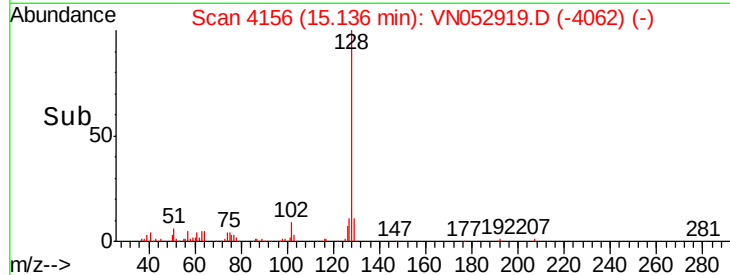
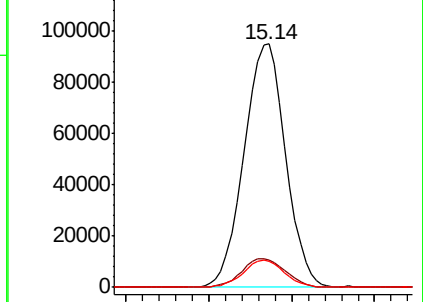
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.555 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN052919.D

Acq: 17 Dec 2018 11:37

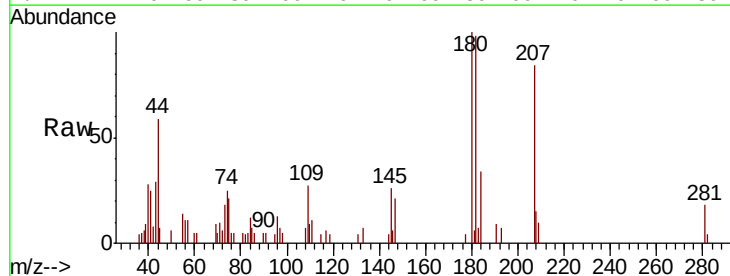
Tgt Ion:180 Resp: 7167

Ion Ratio Lower Upper

180 100

182 105.4 47.9 143.7

145 30.2 15.0 45.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

