

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059652.D
 Acq On : 18 Dec 2019 16:26
 Operator : JC/SP
 Sample : K6309-04 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 04:28:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	237880	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	384504	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	347725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	150553	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	172168	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
35) Dibromofluoromethane	7.56	113	121036	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.08	98	477543	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	167840	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds						Qvalue
11) Tert butyl alcohol	4.75	59	22630	35.660	ug/l #	80
16) Acetone	3.79	43	49845	24.254	ug/l	99
17) Carbon Disulfide	4.02	76	1965	2.095	ug/l #	75
18) Methyl Acetate	4.30	43	9729	2.259	ug/l #	88
19) Methyl tert-butyl Ether	5.01	73	9231	1.048	ug/l	100
20) Methylene Chloride	4.52	84	1962	0.661	ug/l	93
22) Diisopropyl ether	5.91	45	11911	1.261	ug/l #	1
25) 2-Butanone	6.81	43	17956	7.307	ug/l	91
26) 2,2-Dichloropropane	6.80	77	1082	0.223	ug/l #	55
29) Tetrahydrofuran	7.18	42	313	0.209	ug/l #	35
31) Cyclohexane	7.64	56	6037	1.194	ug/l #	14
36) 1,1-Dichloropropene	7.64	75	20742	5.173	ug/l #	50
37) Ethyl Acetate	6.81	43	17956	3.853	ug/l #	73
38) Carbon Tetrachloride	7.64	117	24535	5.897	ug/l #	15
40) Benzene	8.02	78	24706	2.108	ug/l	97
48) Methyl methacrylate	9.15	41	2100	0.639	ug/l #	37
49) 1,4-Dioxane	9.18	88	216	4.585	ug/l #	22
51) 4-Methyl-2-Pentanone	9.98	43	3995	0.925	ug/l #	86
52) Toluene	10.14	92	40707	5.654	ug/l	98
53) t-1,3-Dichloropropene	10.23	75	5419	1.134	ug/l #	43
59) 2-Hexanone	10.75	43	3223	0.947	ug/l	72
67) Ethyl Benzene	11.50	91	25155	1.852	ug/l	97
68) m/p-Xylenes	11.61	106	45395	9.052	ug/l	99
69) o-Xylene	11.94	106	21372	4.479	ug/l	97
70) Styrene	11.95	104	1600	0.209	ug/l #	1
71) Bromoform	12.40	173	1021	0.475	ug/l #	1
74) N-amyl acetate	12.02	43	1479	0.273	ug/l #	59
75) 1,1,2,2-Tetrachloroethane	12.54	83	2263	0.604	ug/l #	26
76) 1,2,3-Trichloropropane	12.39	75	89425	23.994	ug/l #	100
78) n-propylbenzene	12.59	91	2902	0.208	ug/l	90
79) 2-Chlorotoluene	12.66	91	2212	0.262	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	4643	0.464	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.39	75	89425	59.262	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	15863	1.595	ug/l	96

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QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

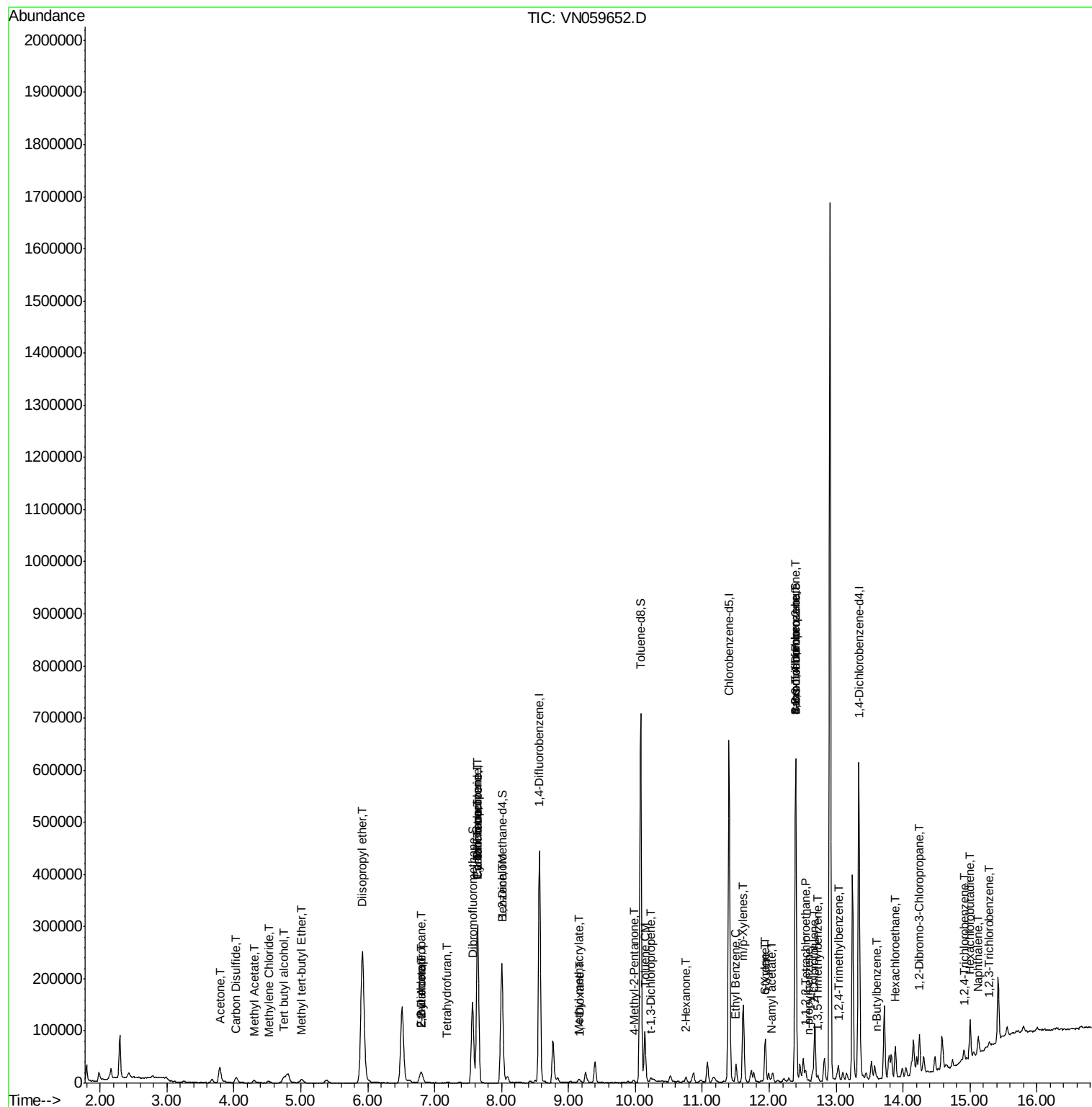
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.61	91	2196	0.230	ug/l #	76
90) Hexachloroethane	13.89	117	3432	1.779	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.25	75	405	1.996	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.91	180	1684	0.495	ug/l #	80
94) Hexachlorobutadiene	15.01	225	432	1.895	ug/l #	72
95) Naphthalene	15.12	128	21931	2.158	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	2151	0.625	ug/l #	85

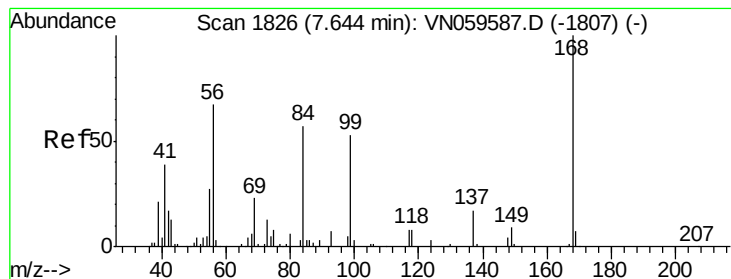
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

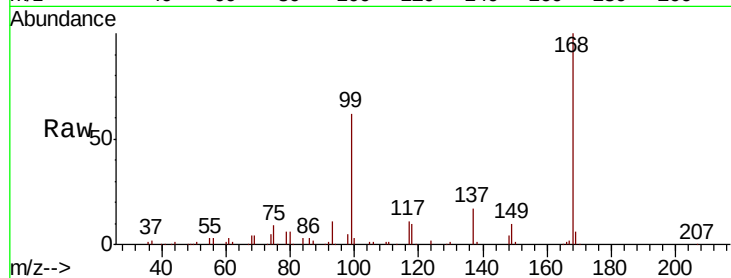
ClientSampleId :

Tot Ion:168 Resp: 237880

Ion Ratio Lower Upper

168 100

99 61.5 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

100000

80000

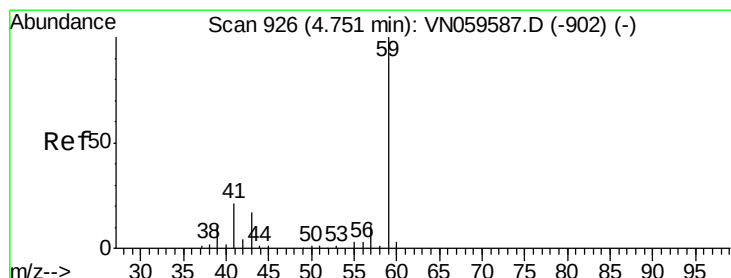
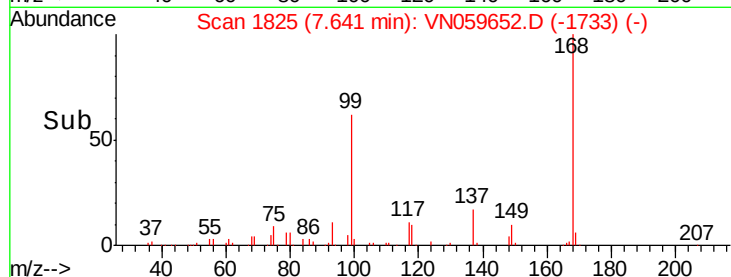
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 35.660 ug/l

RT: 4.75 min Scan# 926

Delta R.T. 0.00 min

Lab File: VN059652.D

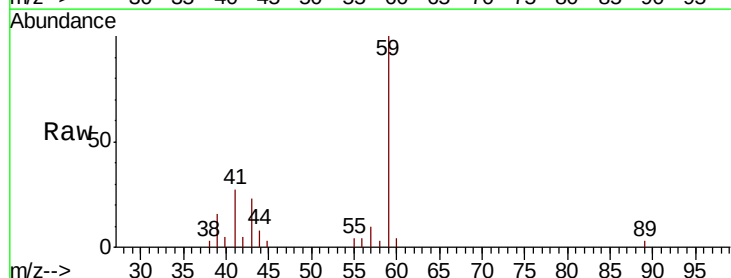
Acq: 18 Dec 2019 16:26

Tgt Ion: 59 Resp: 22630

Ion Ratio Lower Upper

59 100

57 3.3 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VN059587.D (-902) (-)

Ion 57.00 (56.70 to 57.70): VN059587.D (-902) (-)

4.75

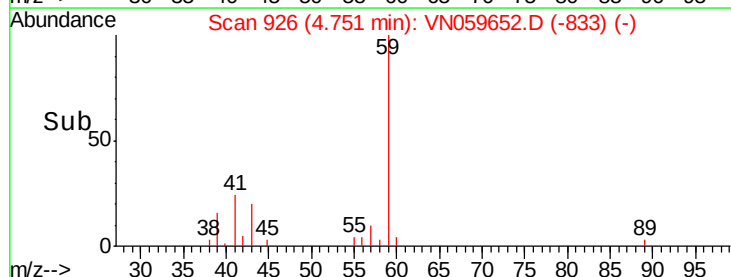
6000

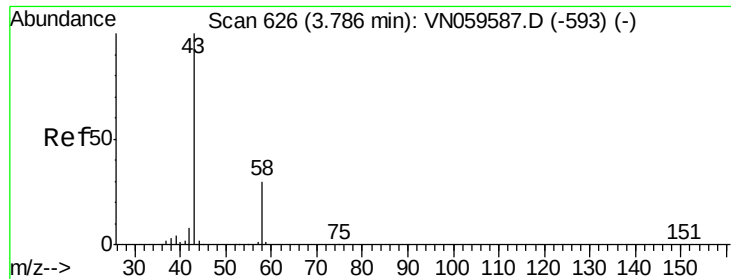
4000

2000

0

Time-->





#16

Acetone

Concen: 24.254 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

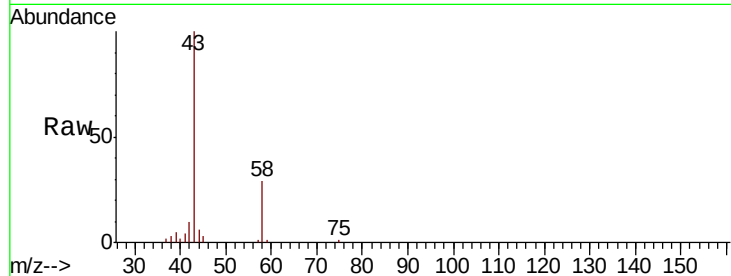
ClientSampled :

Tot Ion: 43 Resp: 49845

Ion Ratio Lower Upper

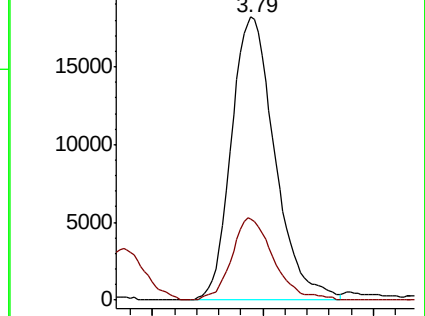
43 100

58 28.8 23.6 35.4

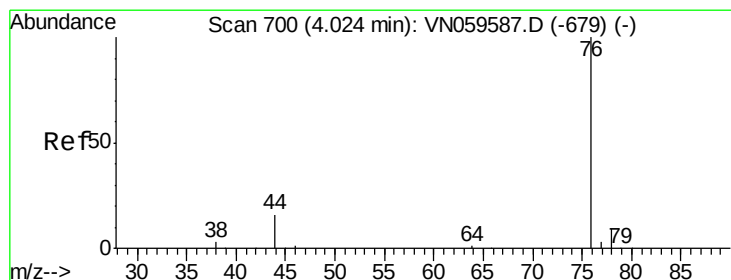
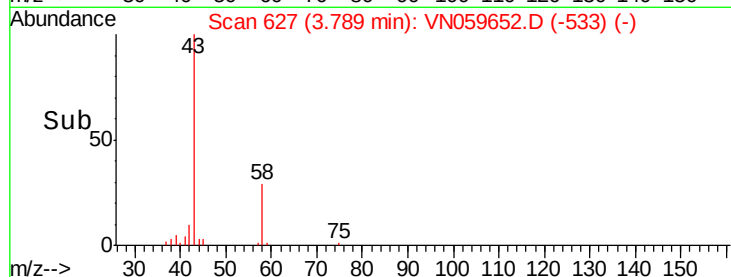


Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)



Time-->



#17

Carbon Disulfide

Concen: 2.095 ug/l

RT: 4.02 min Scan# 700

Delta R.T. 0.00 min

Lab File: VN059652.D

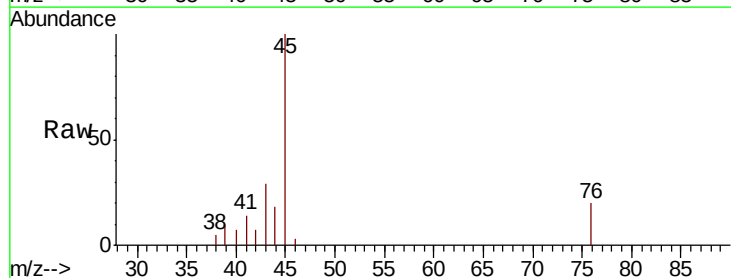
Acq: 18 Dec 2019 16:26

Tgt Ion: 76 Resp: 1965

Ion Ratio Lower Upper

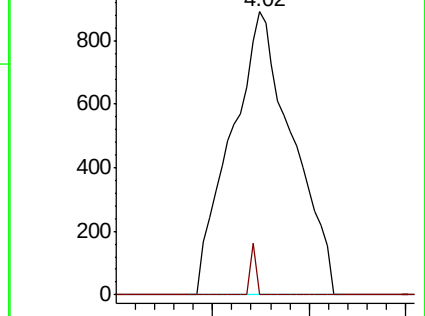
76 100

78 0.0 7.4 11.0#

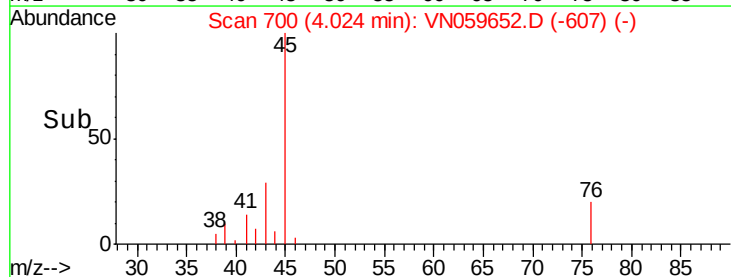


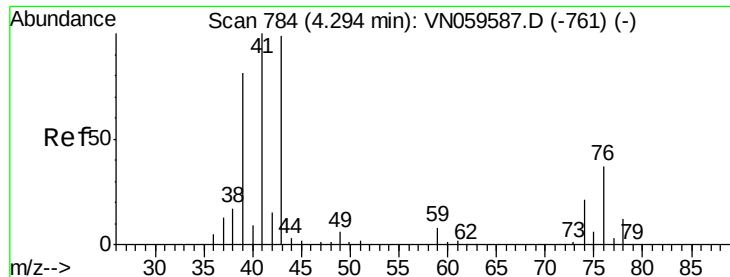
Abundance Ion 75.90 (75.60 to 76.60): VN059587.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN059587.D (-679) (-)



Time-->

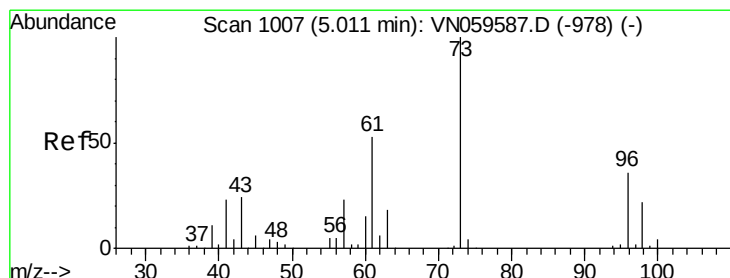
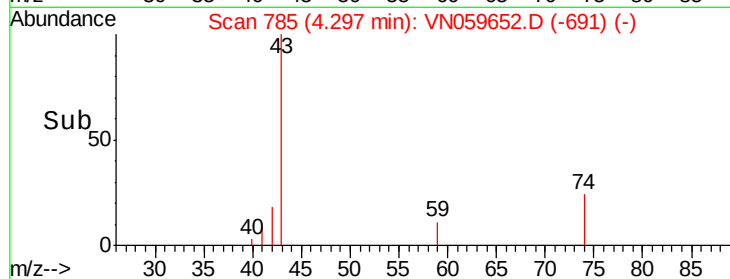
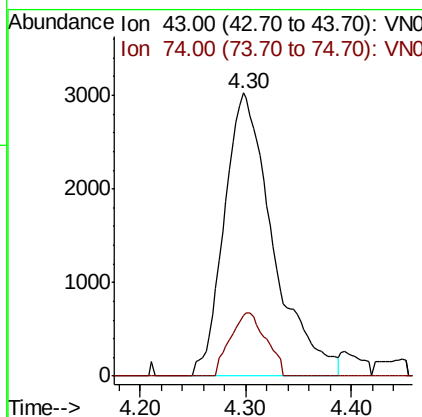
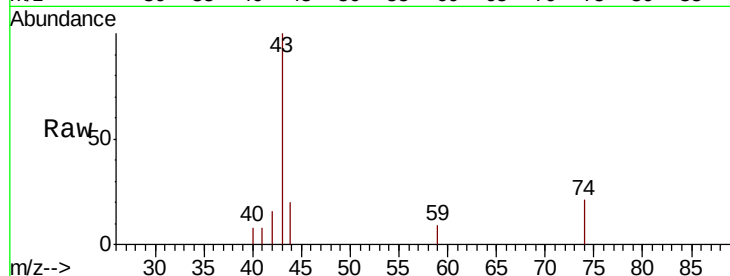




#18
Methyl Acetate
Concen: 2.259 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

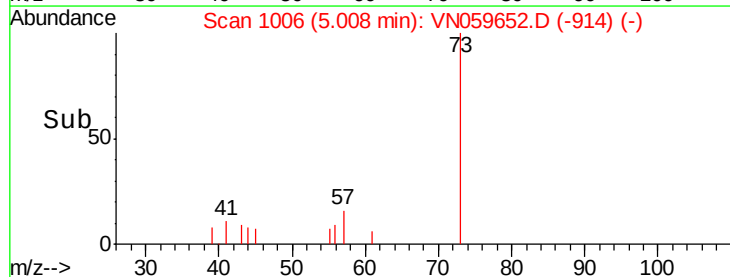
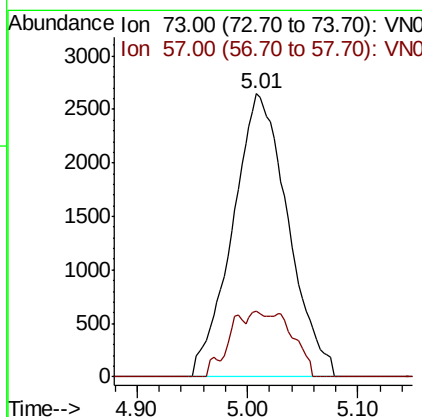
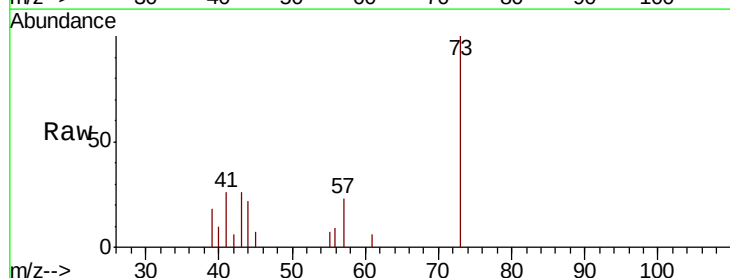
Instrument :
MSVOA_N
ClientSampled :

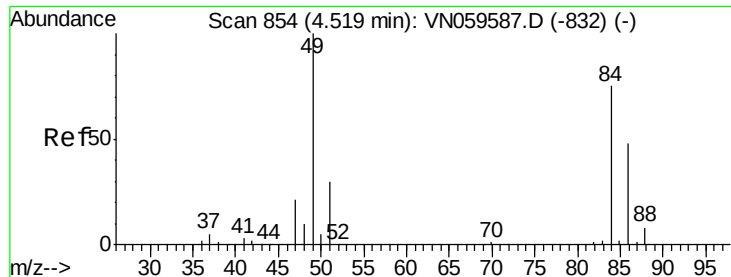
Tot Ion: 43 Resp: 9729
Ion Ratio Lower Upper
43 100
74 16.3 17.5 26.3#



#19
Methyl tert-butyl Ether
Concen: 1.048 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

Tgt Ion: 73 Resp: 9231
Ion Ratio Lower Upper
73 100
57 23.4 18.6 27.8

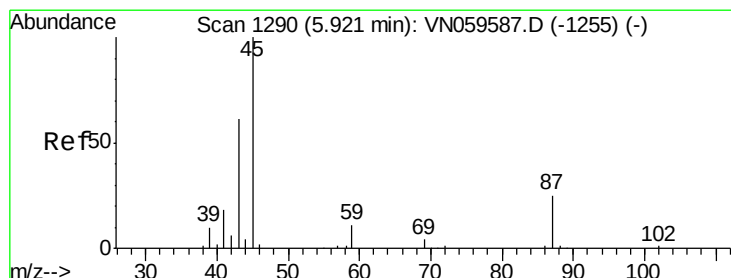
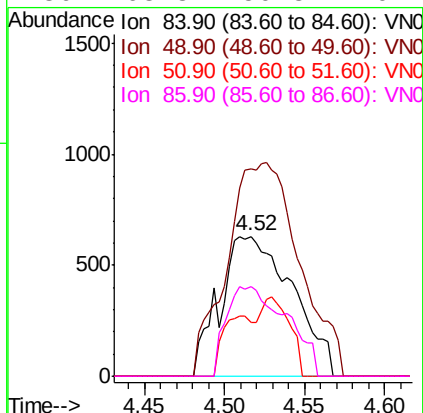
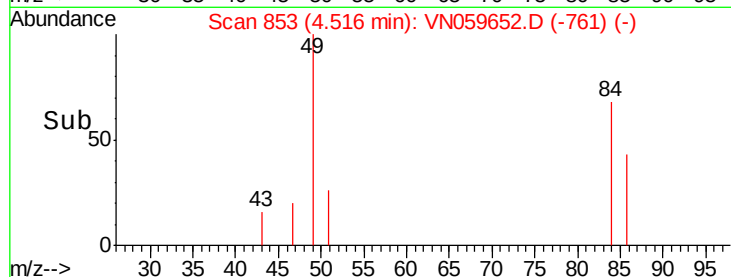
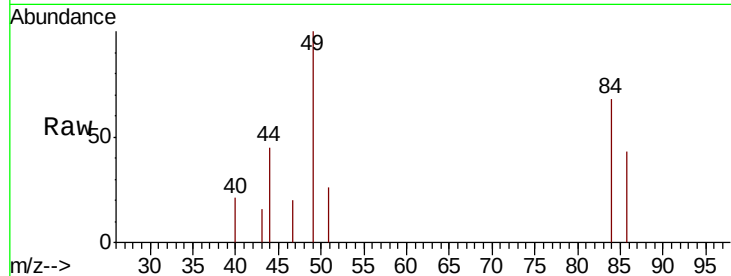




#20
Methylene Chloride
Concen: 0.661 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

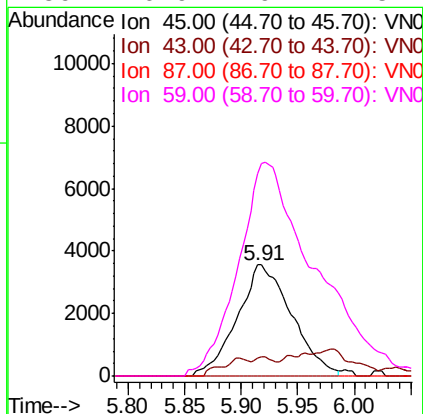
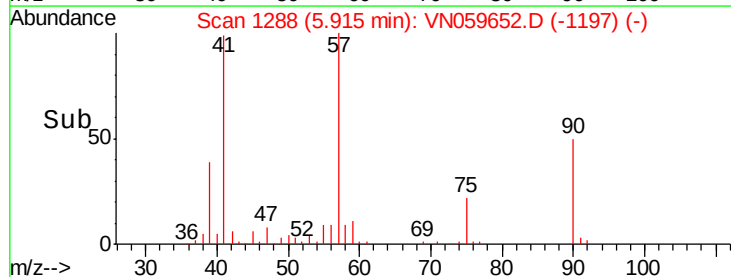
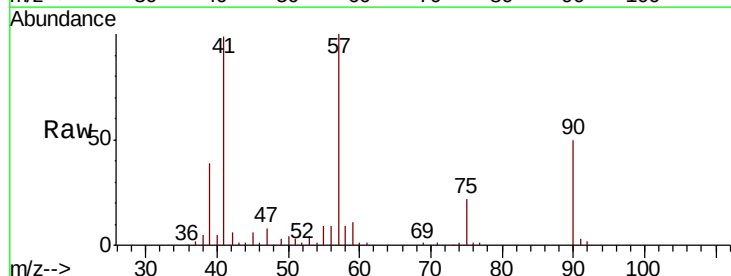
Instrument :
MSVOA_N
ClientSampled :

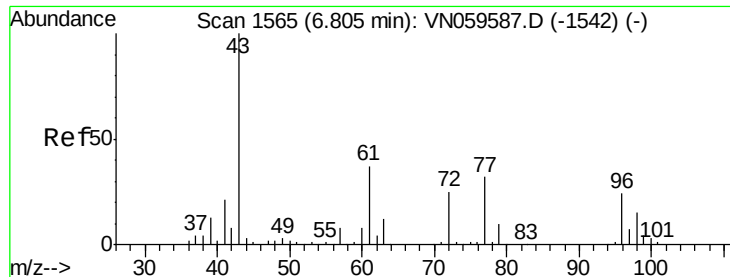
Tot Ion: 84 Resp: 1962
Ion Ratio Lower Upper
84 100
49 147.9 106.6 160.0
51 38.9 31.9 47.9
86 63.8 50.8 76.2



#22
Diisopropyl ether
Concen: 1.261 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. -0.01 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

Tgt Ion: 45 Resp: 11911
Ion Ratio Lower Upper
45 100
43 16.0 50.8 76.2#
87 0.0 21.0 31.6#
59 176.9 9.1 13.7#





#25

2-Butanone

Concen: 7.307 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

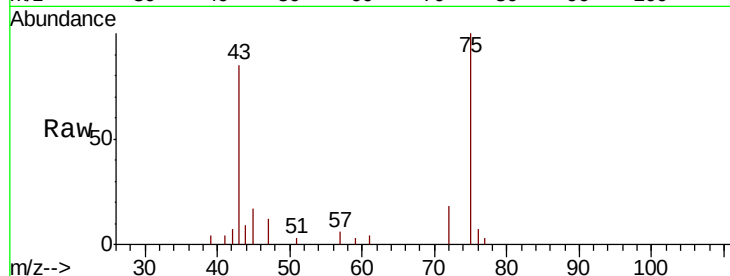
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 17956

Ion Ratio Lower Upper

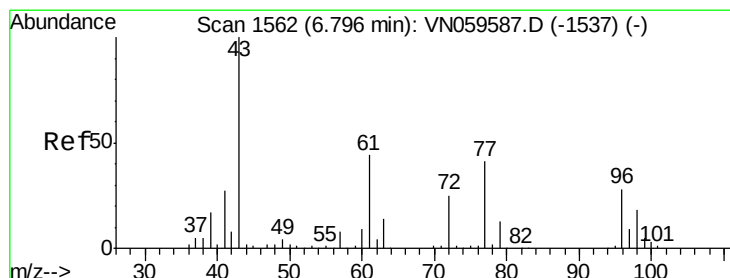
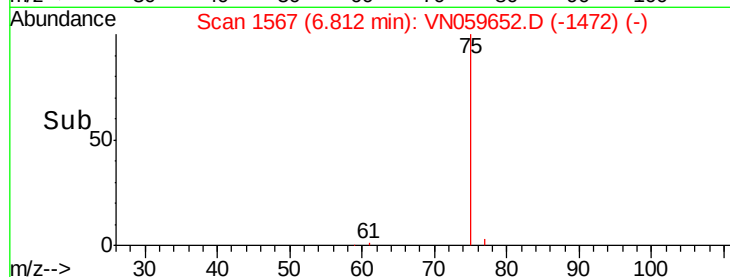
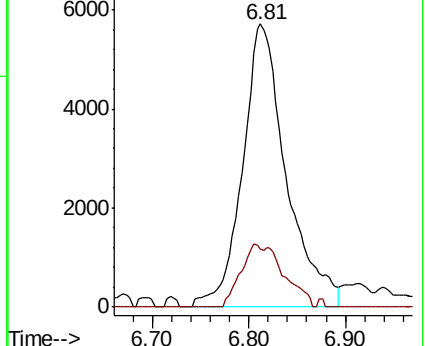
43 100

72 20.6 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 0.223 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059652.D

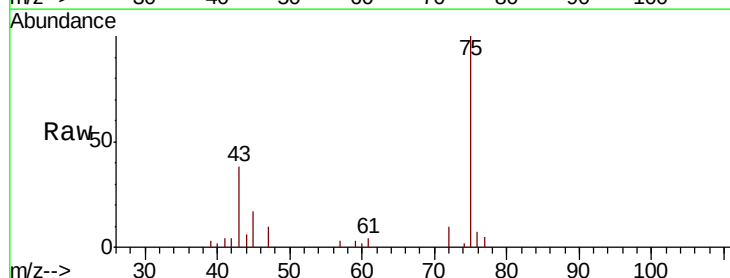
Acq: 18 Dec 2019 16:26

Tgt Ion: 77 Resp: 1082

Ion Ratio Lower Upper

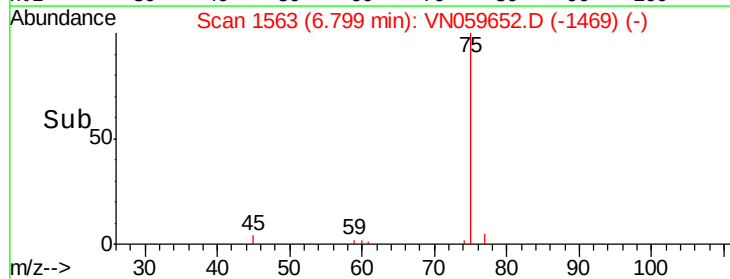
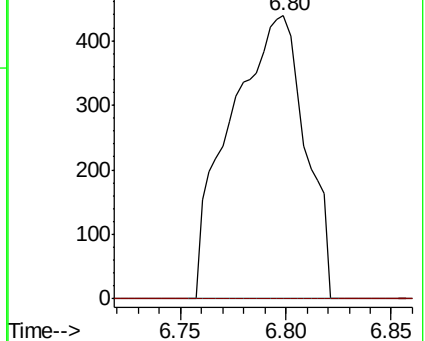
77 100

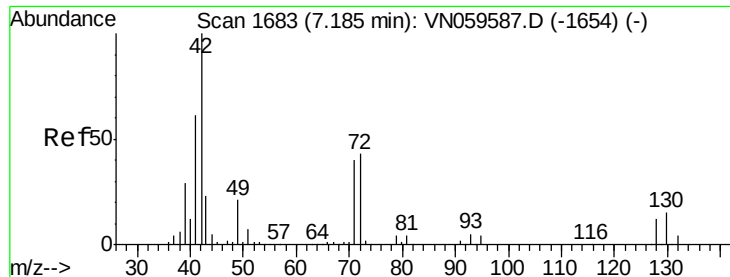
97 0.0 10.7 31.9#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VN059652.D

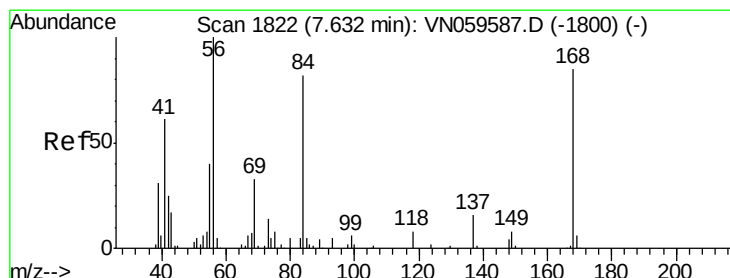
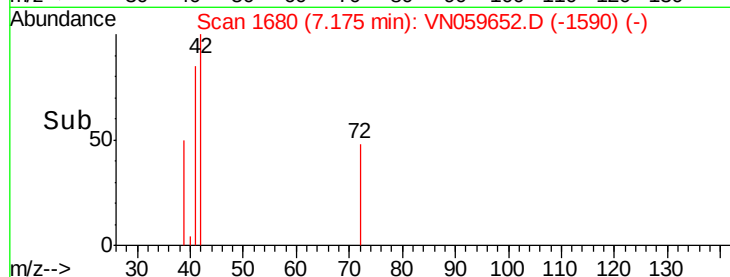
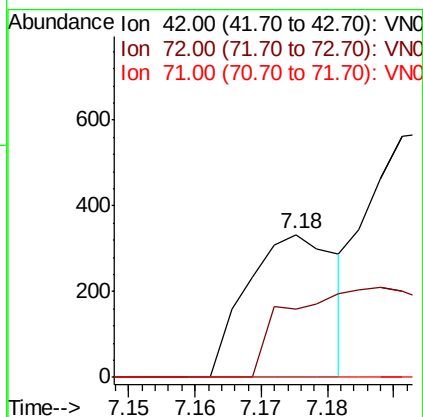
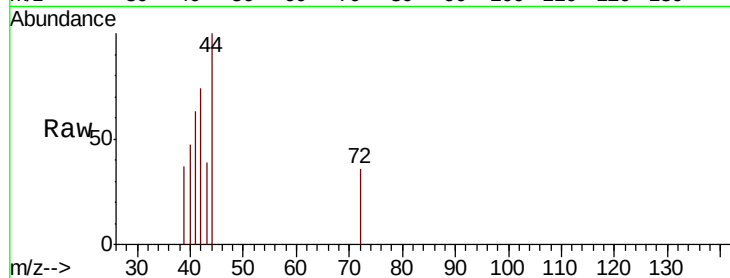
Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	42	Resp:	313
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.1	49.7#
71	0.0	31.4	47.0#



#31

Cyclohexane

Concen: 1.194 ug/l

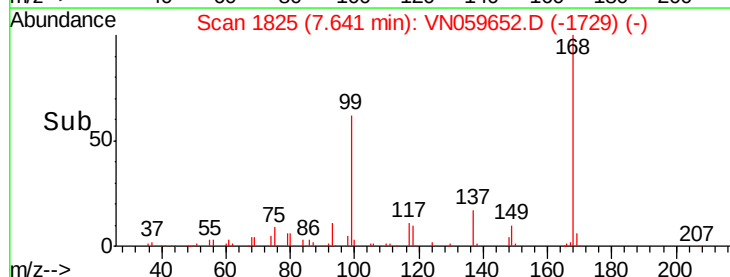
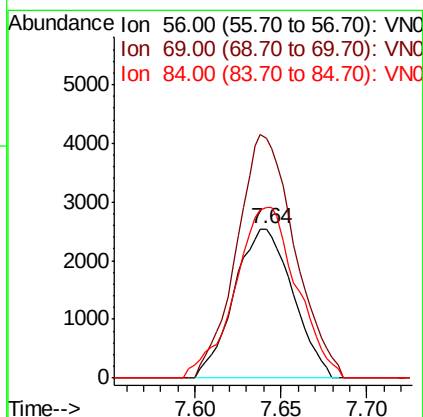
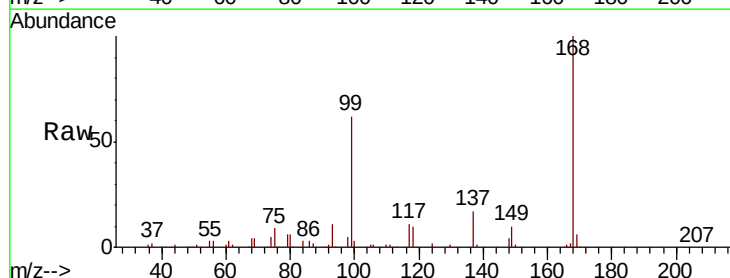
RT: 7.64 min Scan# 1825

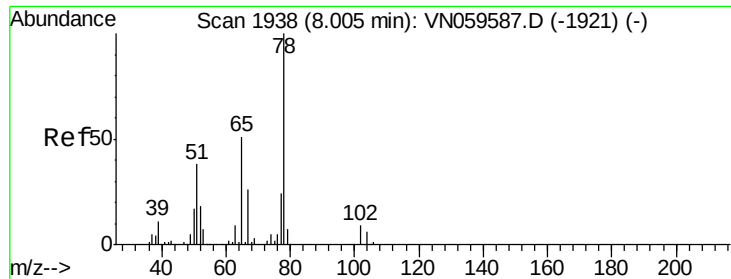
Delta R.T. 0.01 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Tgt Ion:	56	Resp:	6037
Ion	Ratio	Lower	Upper
56	100		
69	160.0	26.5	39.7#
84	108.3	65.3	97.9#

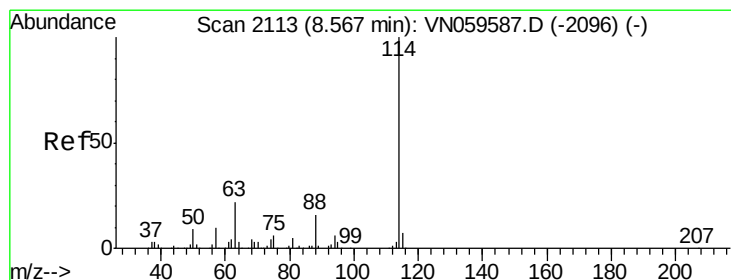
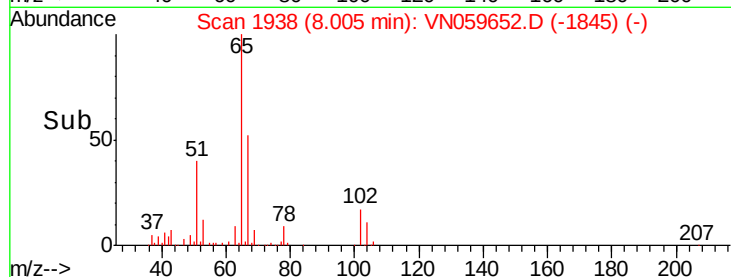
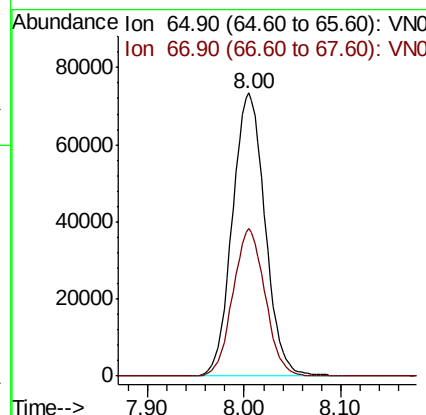
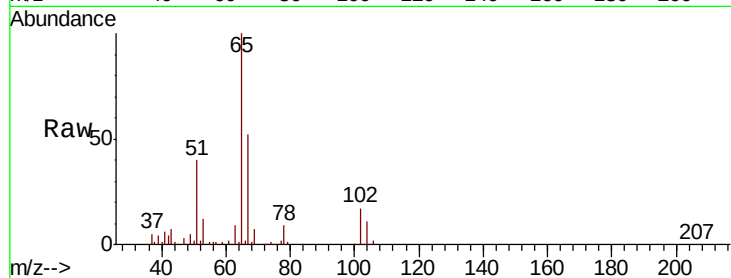




#33
 1,2-Dichloroethane-d4
 Concen: 49.738 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059652.D
 Acq: 18 Dec 2019 16:26

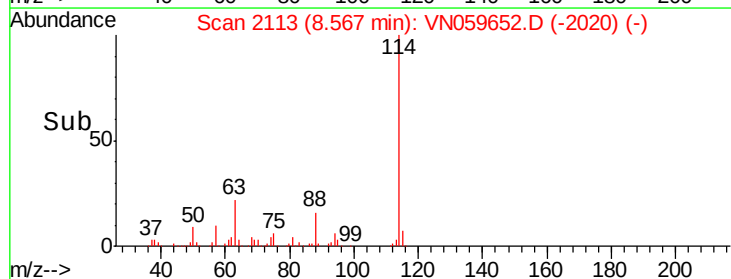
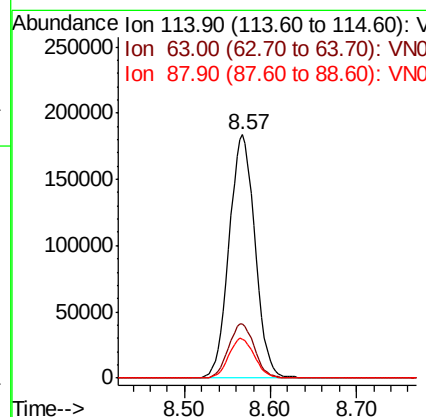
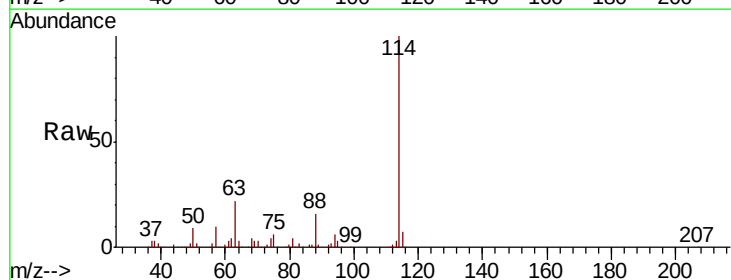
Instrument :
 MSVOA_N
 ClientSampleId :

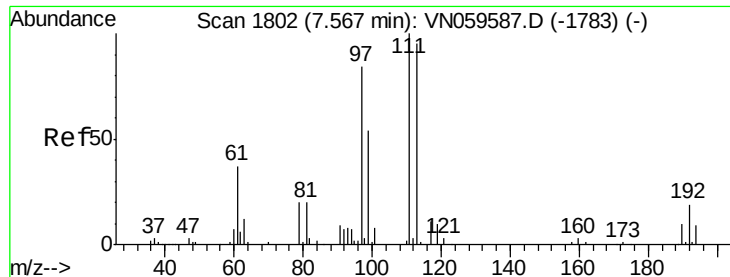
Tot Ion: 65 Resp: 172168
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059652.D
 Acq: 18 Dec 2019 16:26

Tgt Ion: 114 Resp: 384504
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.6
 88 16.2 0.0 31.4

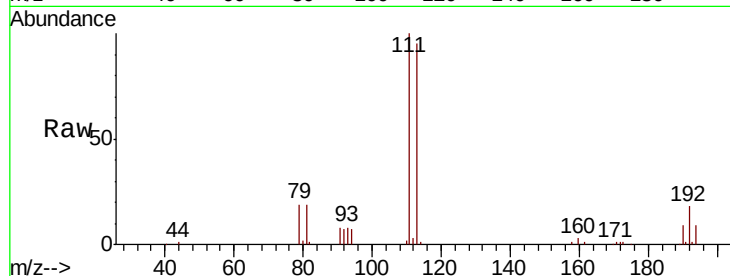




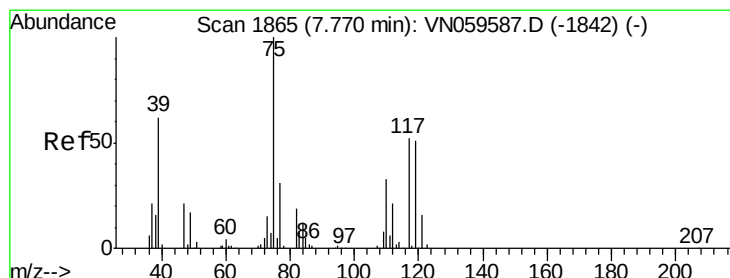
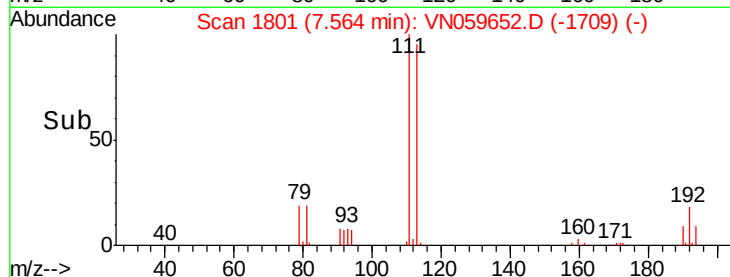
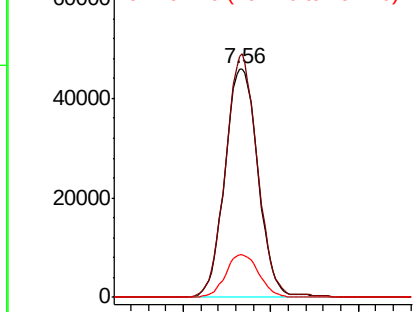
#35
 Dibromofluoromethane
 Concen: 50.310 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059652.D
 Acq: 18 Dec 2019 16:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	83.5	125.3
192	18.6	15.4	23.2

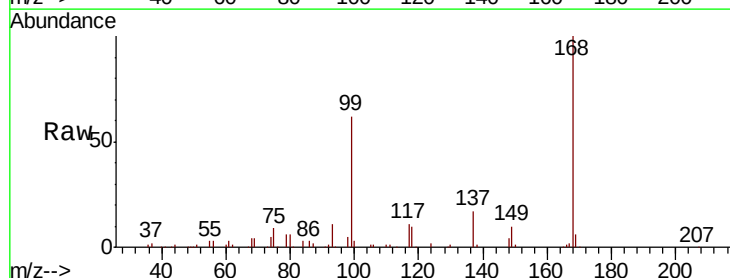


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

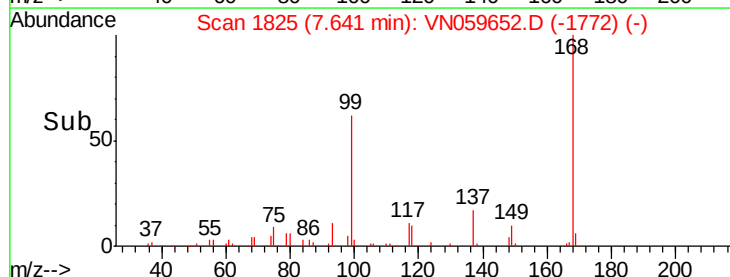
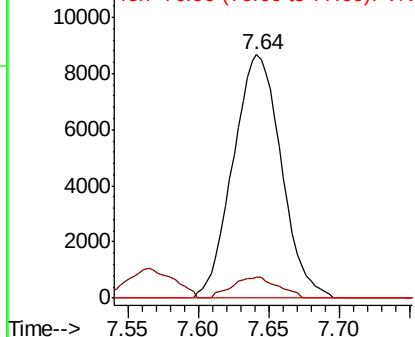


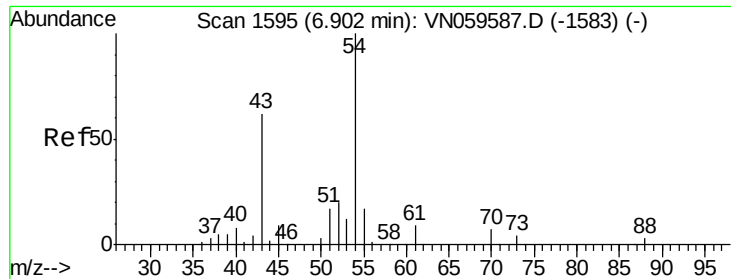
#36
 1,1-Dichloropropene
 Concen: 5.173 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059652.D
 Acq: 18 Dec 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.6	49.7#
77	0.0	25.1	37.7#



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

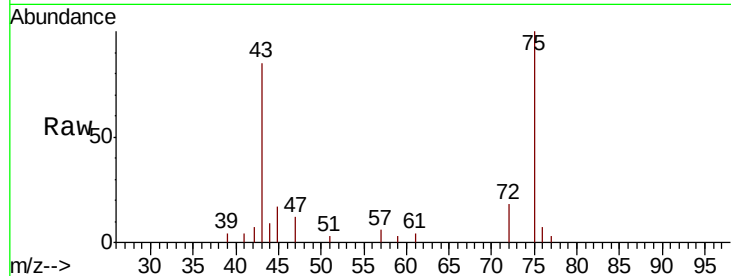




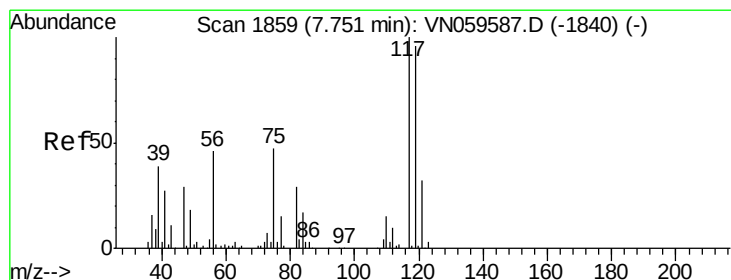
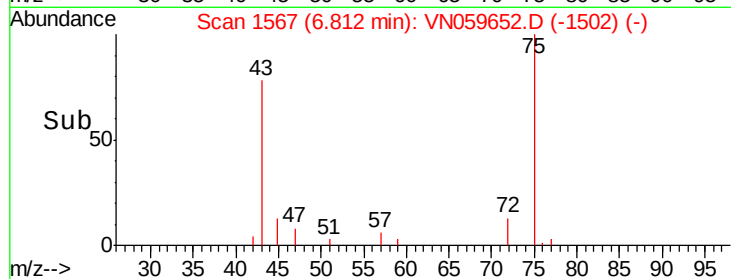
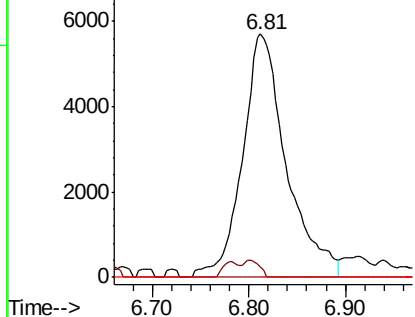
#37
Ethyl Acetate
Concen: 3.853 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.09 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 17956
Ion Ratio Lower Upper
43 100
61 2.4 10.9 16.3#
70 0.0 7.7 11.5#

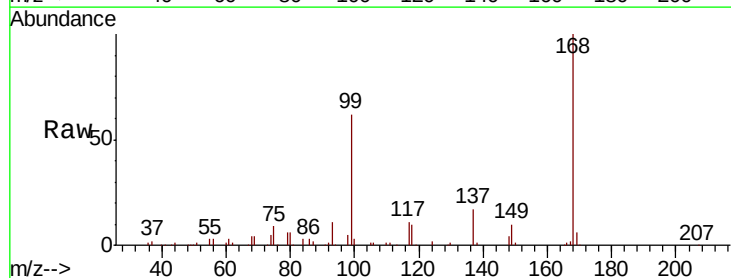


Abundance Ion 43.00 (42.70 to 43.70): VN059587.D
Ion 60.90 (60.60 to 61.60): VN059587.D
Ion 70.00 (69.70 to 70.70): VN059587.D

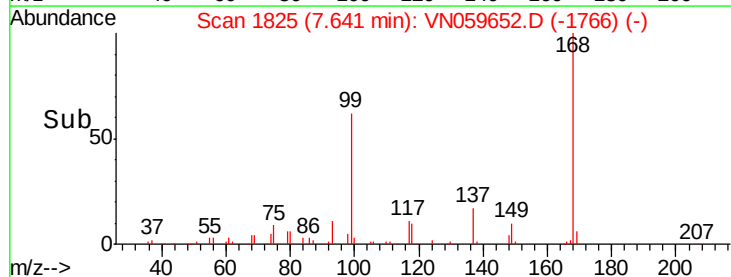
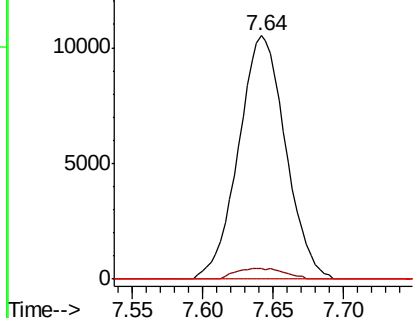


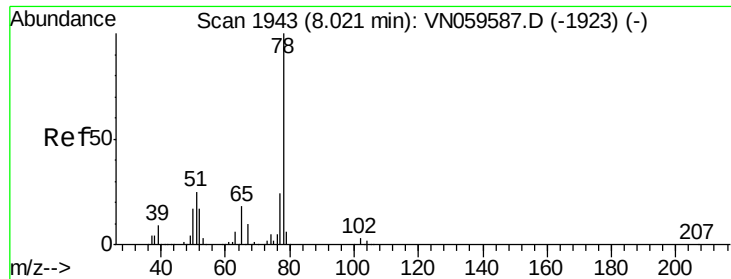
#38
Carbon Tetrachloride
Concen: 5.897 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

Tgt Ion: 117 Resp: 24535
Ion Ratio Lower Upper
117 100
119 4.2 76.5 114.7#
121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059587.D
Ion 118.80 (118.50 to 119.50): VN059587.D
Ion 120.80 (120.50 to 121.50): VN059587.D

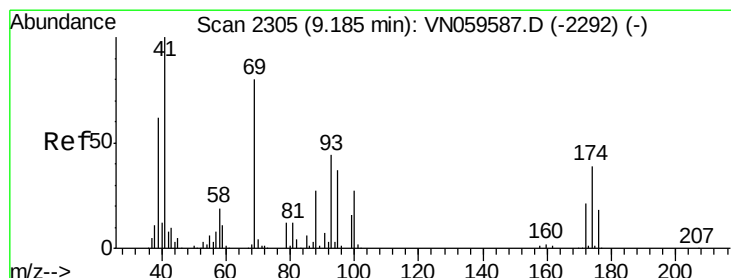
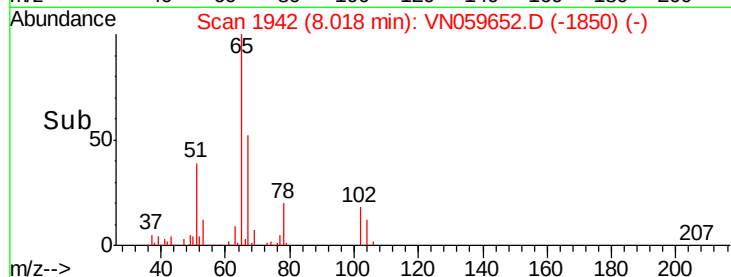
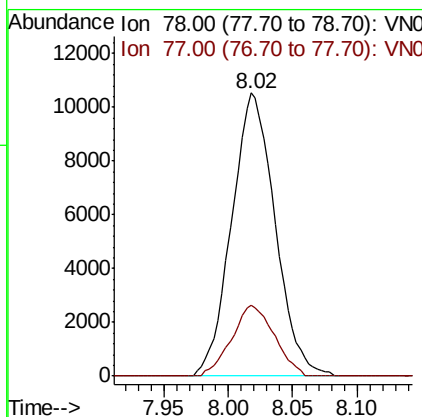
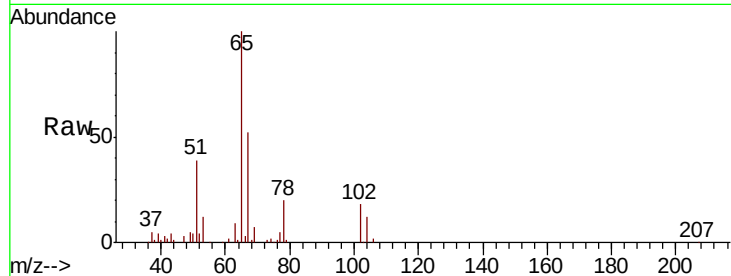




#40
Benzene
Concen: 2.108 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

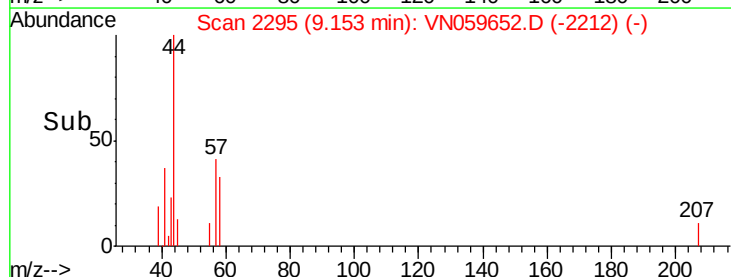
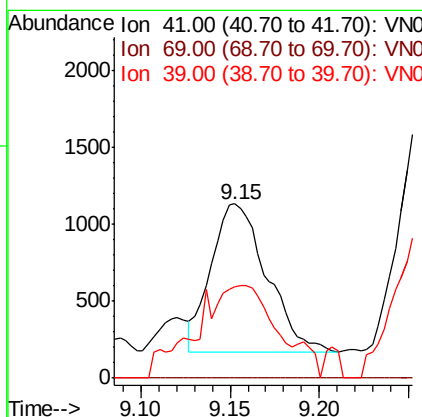
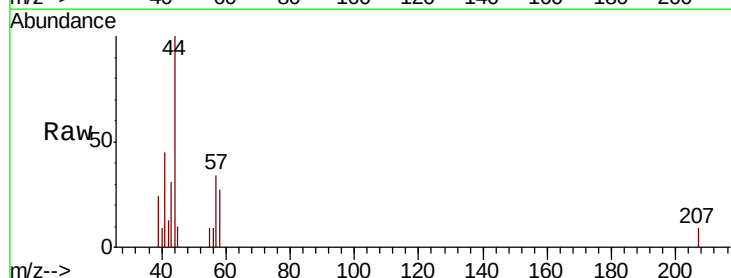
Instrument :
MSVOA_N
ClientSampled :

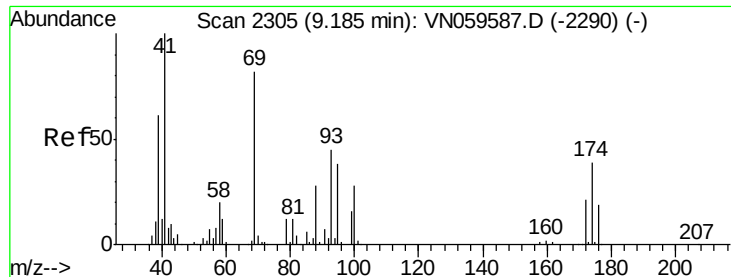
Tot Ion: 78 Resp: 24706
Ion Ratio Lower Upper
78 100
77 25.0 18.9 28.3



#48
Methyl methacrylate
Concen: 0.639 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.03 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

Tgt Ion: 41 Resp: 2100
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 85.6 51.3 76.9#

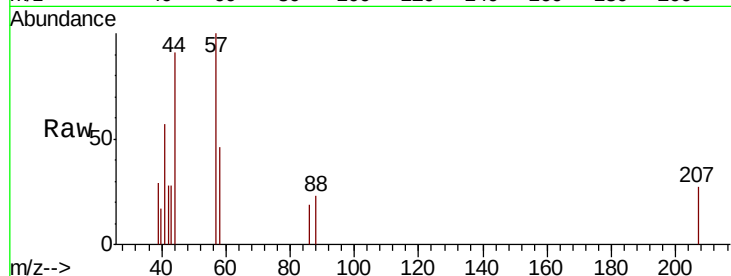




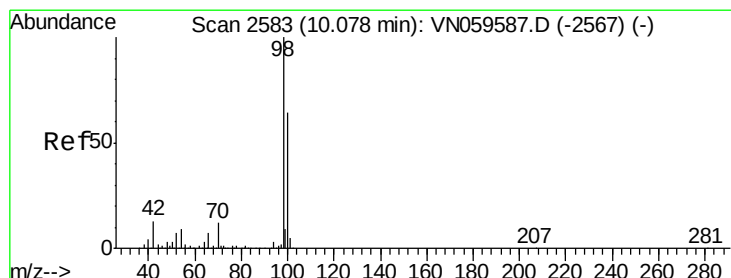
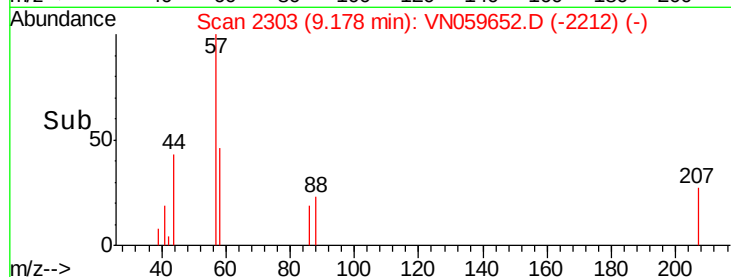
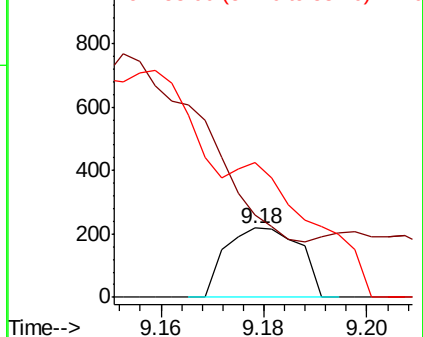
#49
 1,4-Dioxane
 Concen: 4.585 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: VN059652.D
 Acq: 18 Dec 2019 16:26

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 216
 Ion Ratio Lower Upper
 88 100
 43 0.0 29.7 44.5#
 58 0.0 56.6 85.0#

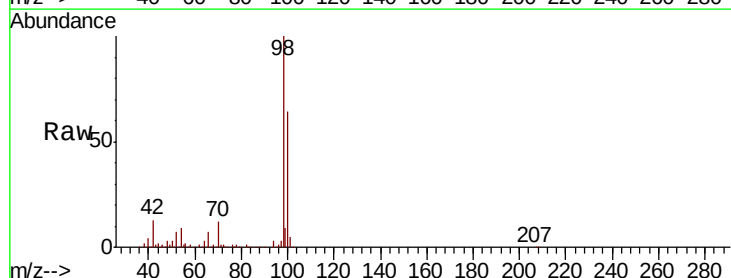


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

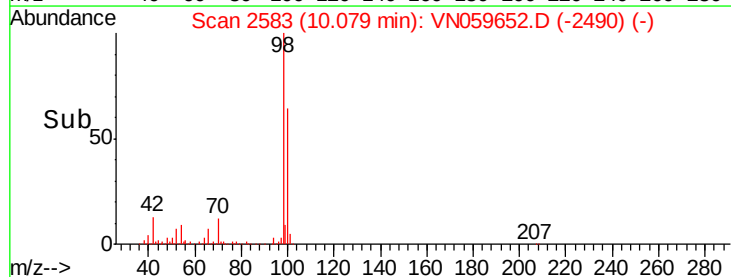
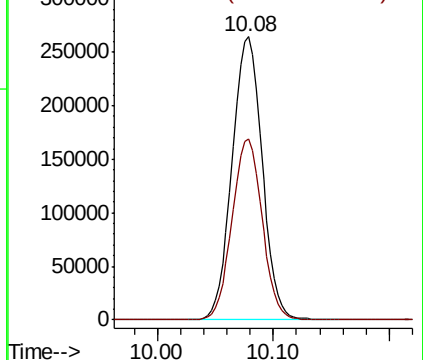


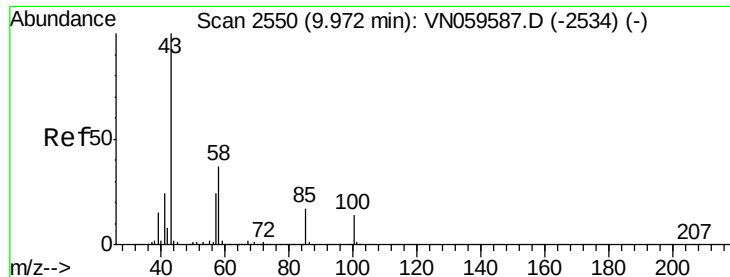
#50
 Toluene-d8
 Concen: 50.136 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN059652.D
 Acq: 18 Dec 2019 16:26

Tgt Ion: 98 Resp: 477543
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.2 76.8



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: 0.925 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

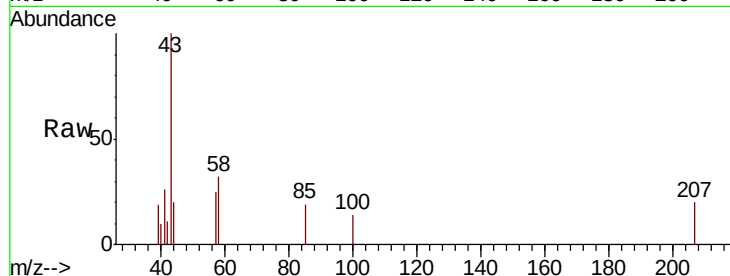
ClientSampleId :

Tot Ion: 43 Resp: 3995

Ion Ratio Lower Upper

43 100

58 29.2 29.8 44.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.98

2000

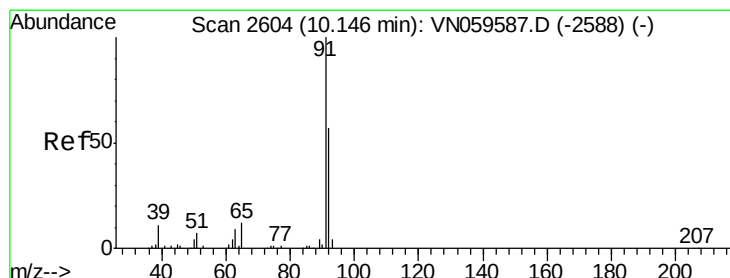
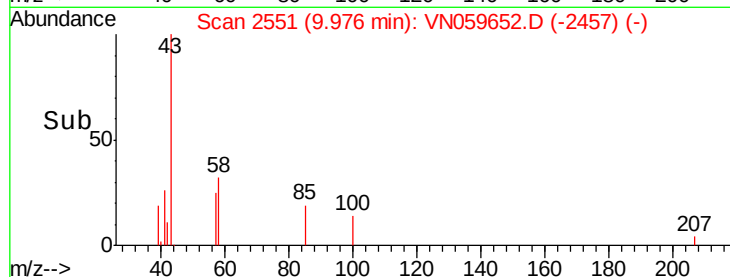
1500

1000

500

0

Time-->



#52

Toluene

Concen: 5.654 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059652.D

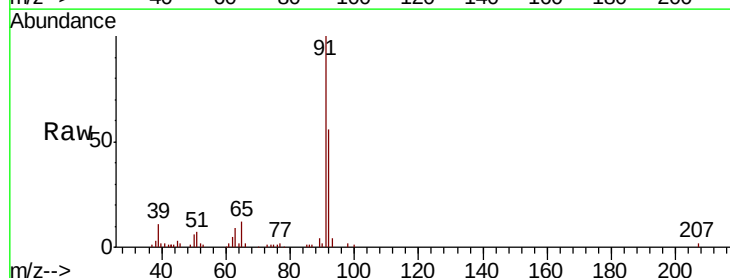
Acq: 18 Dec 2019 16:26

Tgt Ion: 92 Resp: 40707

Ion Ratio Lower Upper

92 100

91 177.7 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

10.14

40000

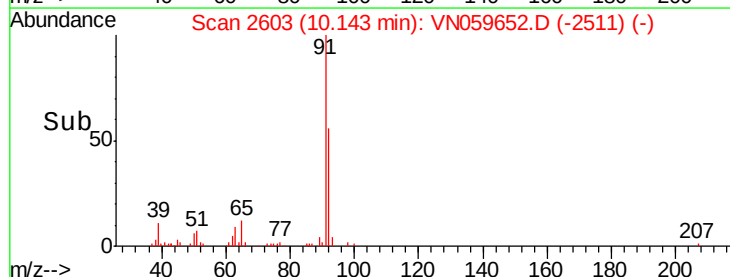
30000

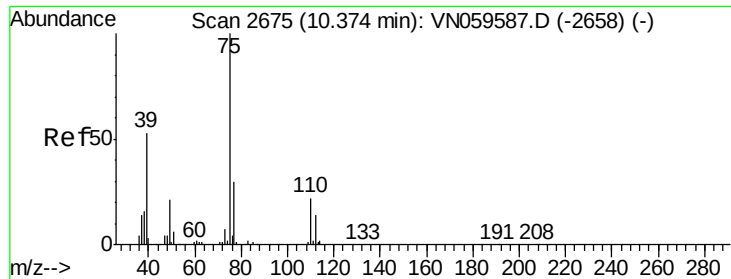
20000

10000

0

Time-->

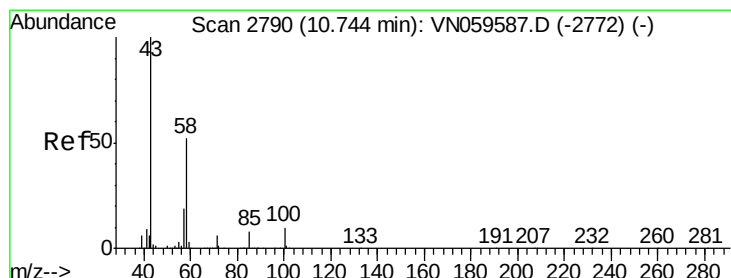
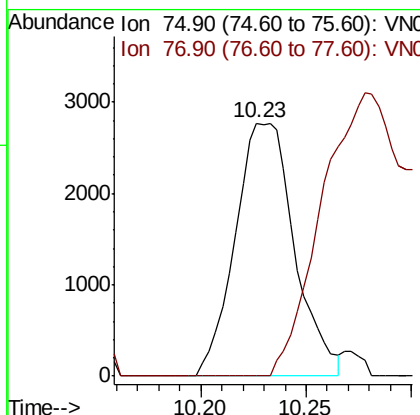
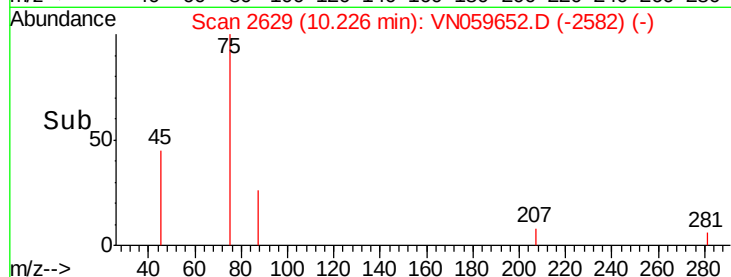
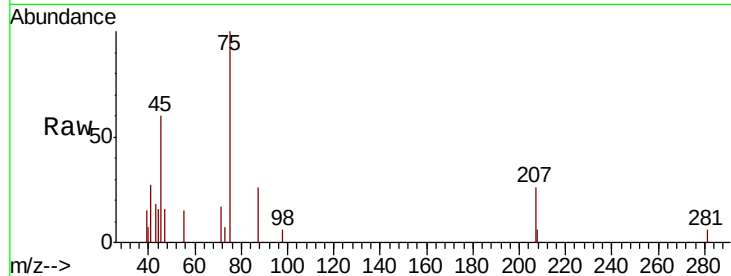




#53
t-1,3-Dichloropropene
Concen: 1.134 ug/l
RT: 10.23 min Scan# 2629
Delta R.T. -0.15 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

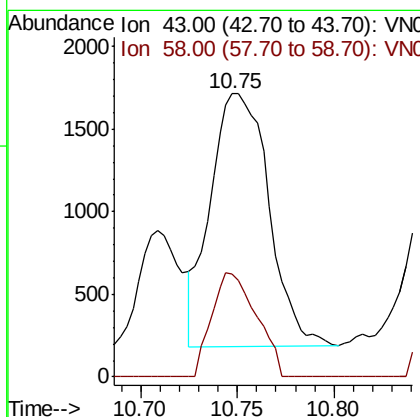
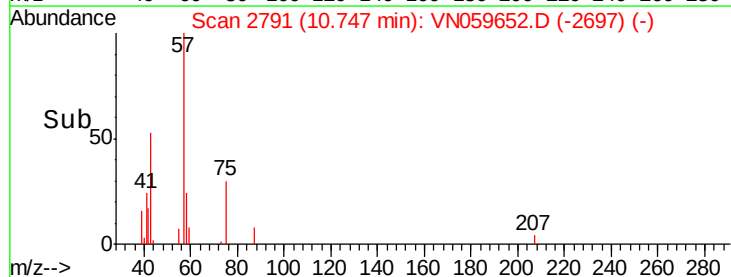
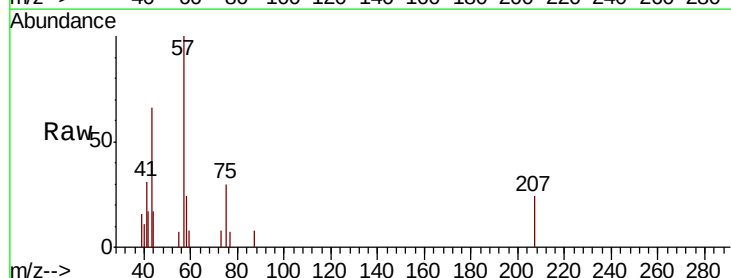
Instrument :
MSVOA_N
ClientSampled :

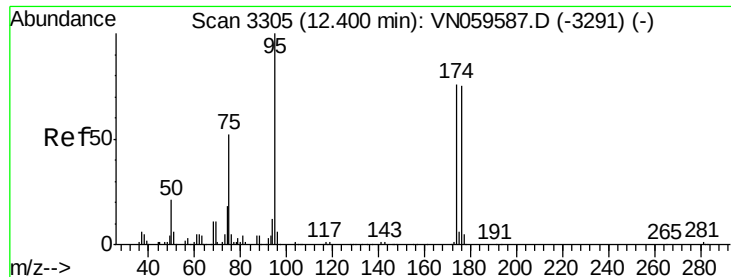
Tot Ion: 75 Resp: 5419
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#59
2-Hexanone
Concen: 0.947 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

Tgt Ion: 43 Resp: 3223
Ion Ratio Lower Upper
43 100
58 31.6 25.8 77.3

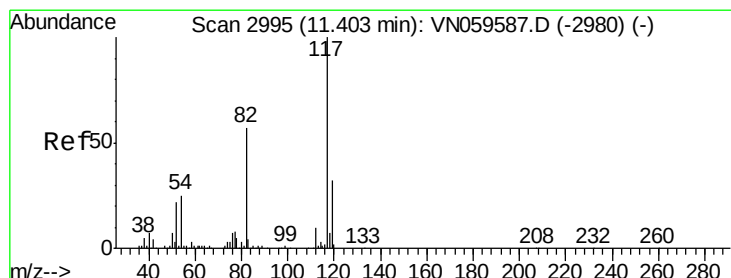
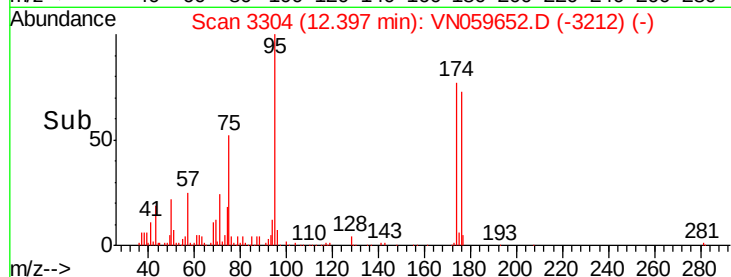
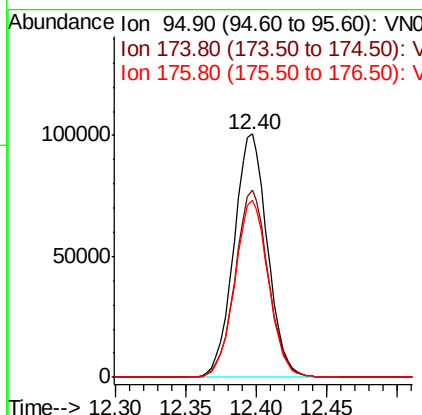
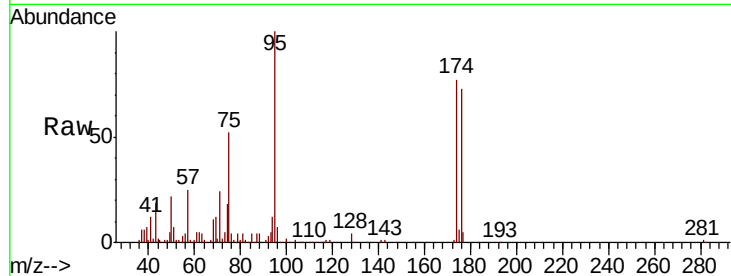




#62
4-Bromofluorobenzene
Concen: 48.292 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

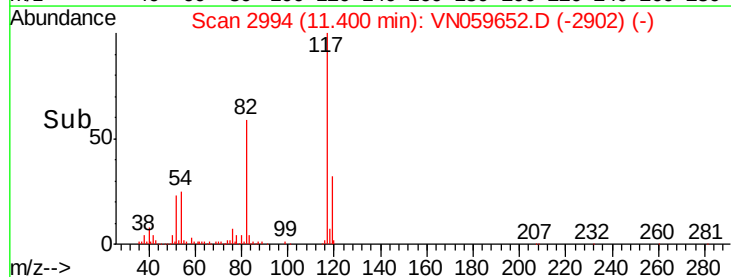
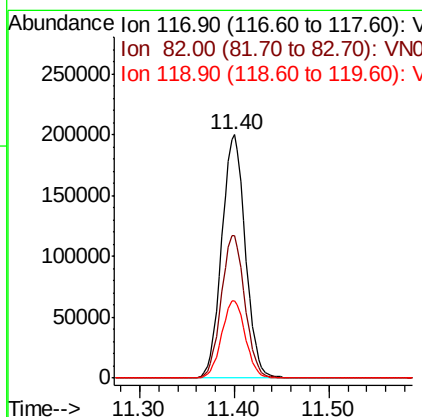
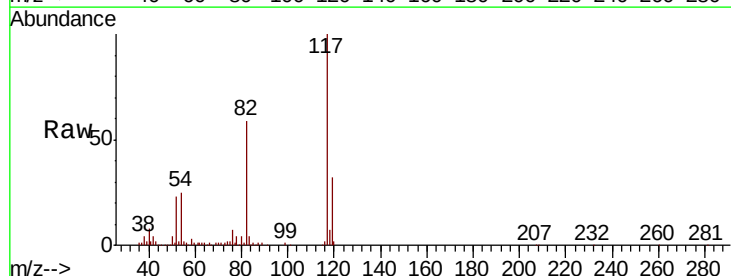
Instrument :
MSVOA_N
ClientSampled :

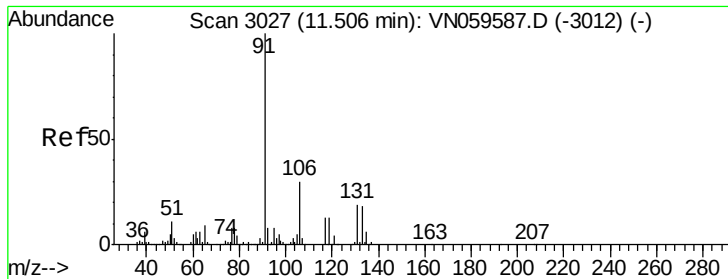
Tot Ion	95	Resp	167840
Ion Ratio	Lower	Upper	
95	100		
174	76.2	0.0	151.4
176	73.2	0.0	146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

Tgt Ion	117	Resp	347725
Ion Ratio	Lower	Upper	
117	100		
82	58.6	45.9	68.9
119	32.0	25.5	38.3





#67

Ethyl Benzene

Concen: 1.852 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

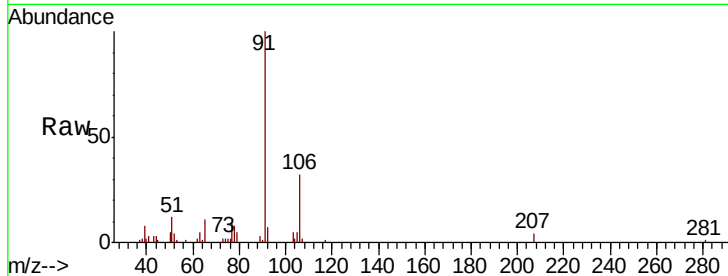
ClientSampled :

Tot Ion: 91 Resp: 25155

Ion Ratio Lower Upper

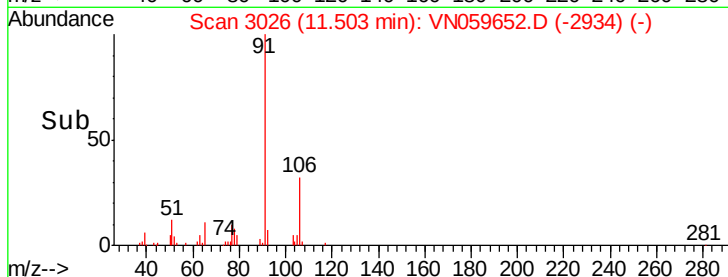
91 100

106 31.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

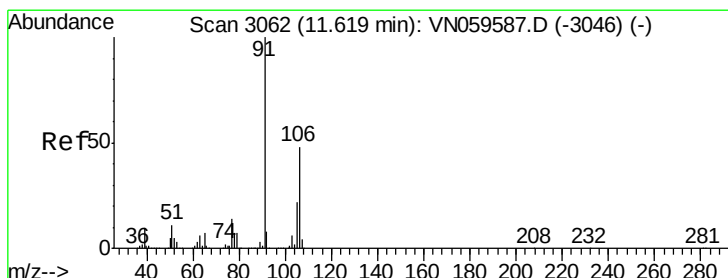


Abundance

Time-->

11.50

11.55



#68

m/p-Xylenes

Concen: 9.052 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.01 min

Lab File: VN059652.D

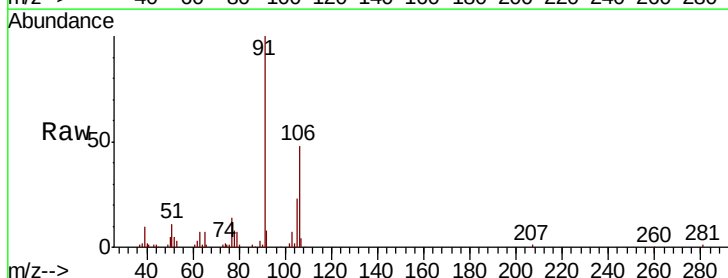
Acq: 18 Dec 2019 16:26

Tgt Ion: 106 Resp: 45395

Ion Ratio Lower Upper

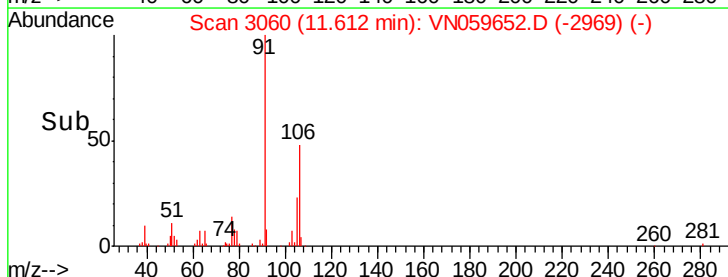
106 100

91 210.9 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

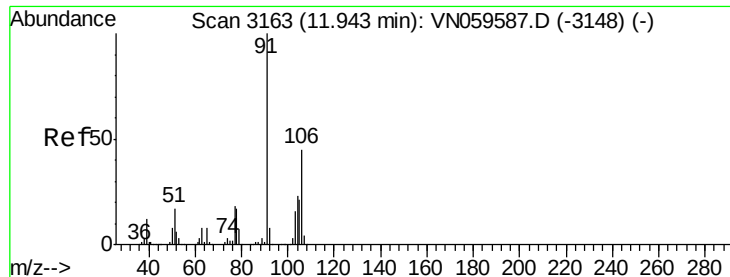


Abundance

Time-->

11.61

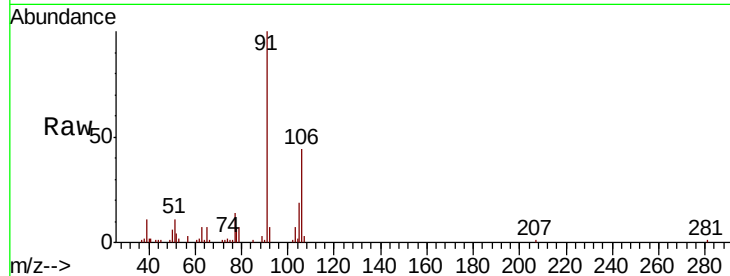
11.65



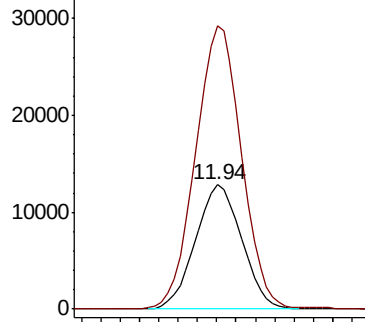
#69
o-Xylene
Concen: 4.479 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :

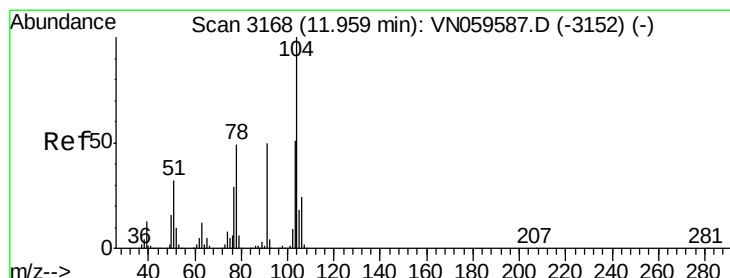
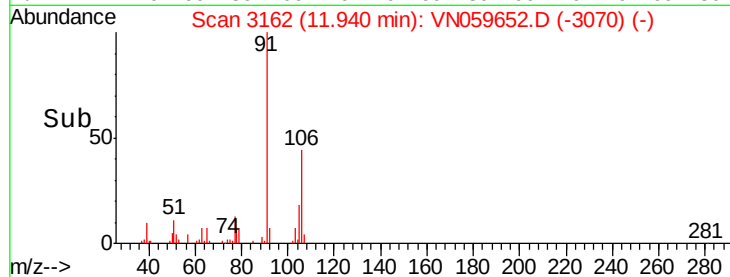
Tot Ion:106 Resp: 21372
Ion Ratio Lower Upper
106 100
91 225.9 110.3 330.9



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

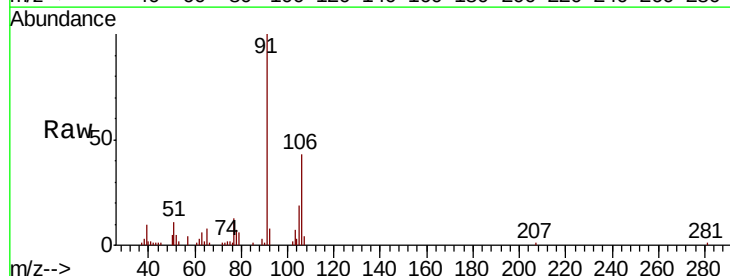


Time-->

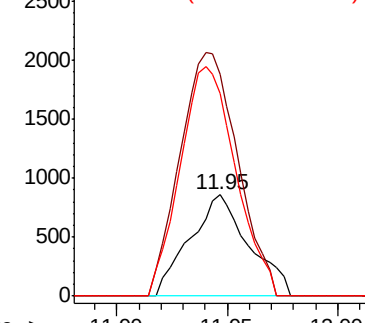


#70
Styrene
Concen: 0.209 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.01 min
Lab File: VN059652.D
Acq: 18 Dec 2019 16:26

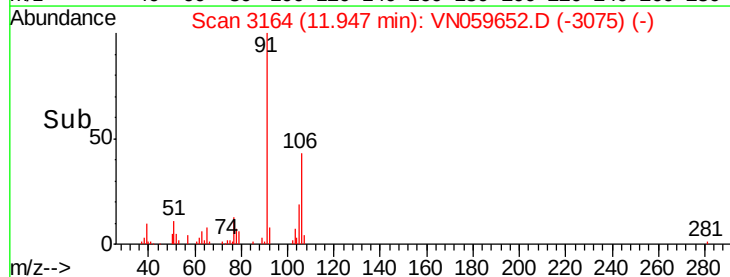
Tgt Ion:104 Resp: 1600
Ion Ratio Lower Upper
104 100
78 233.5 42.4 63.6#
103 212.4 43.9 65.9#

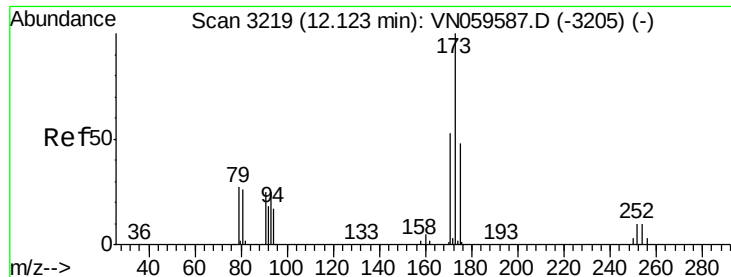


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 0.475 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

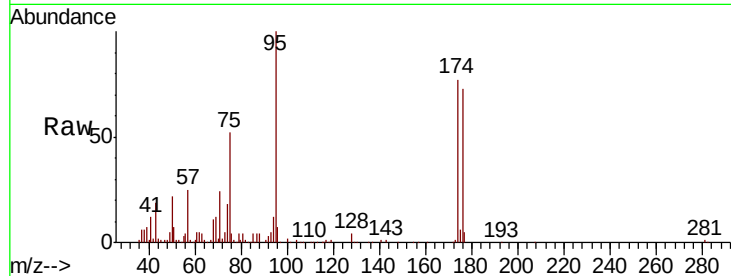
Tot Ion:173 Resp: 1021

Ion Ratio Lower Upper

173 100

175 830.4 23.8 71.4#

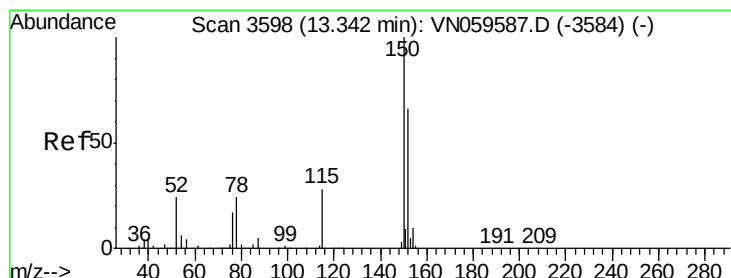
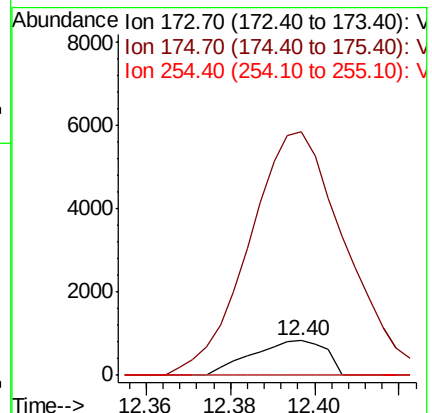
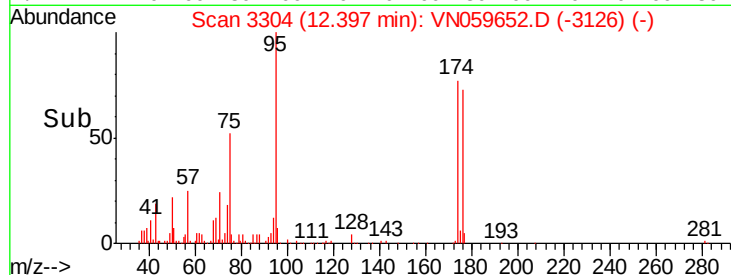
254 0.0 0.0 0.0



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# 3597

Delta R.T. -0.00 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

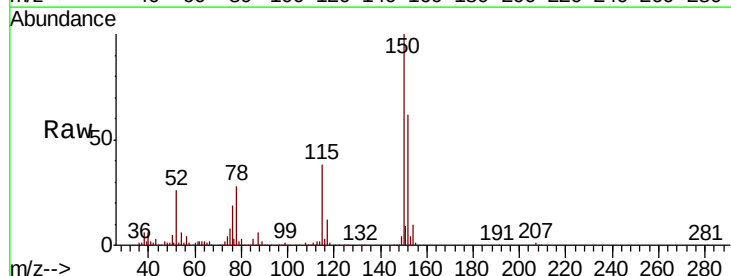
Tgt Ion:152 Resp: 150553

Ion Ratio Lower Upper

152 100

115 61.0 30.3 90.9

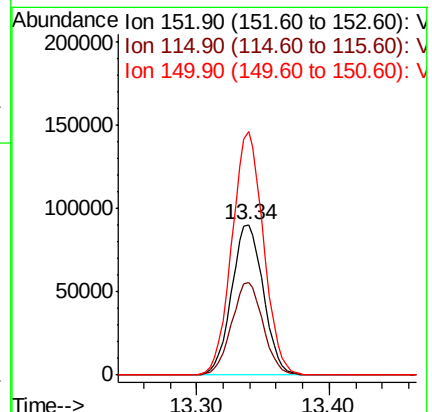
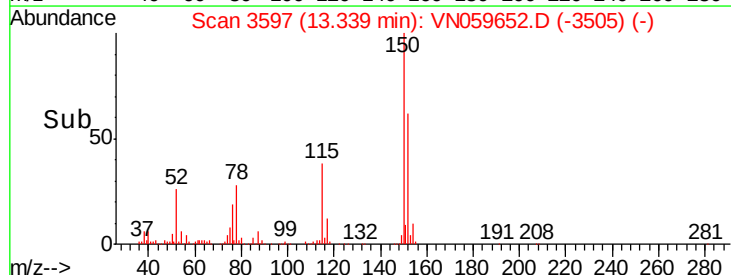
150 160.2 0.0 345.2

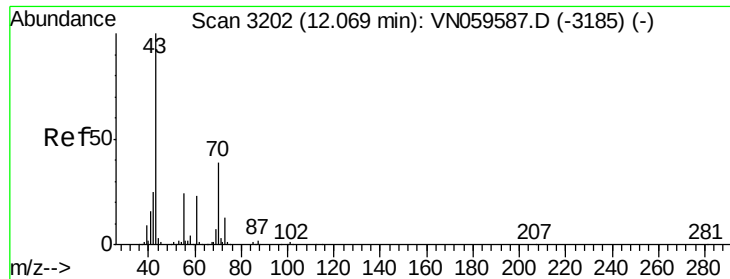


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.273 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1479

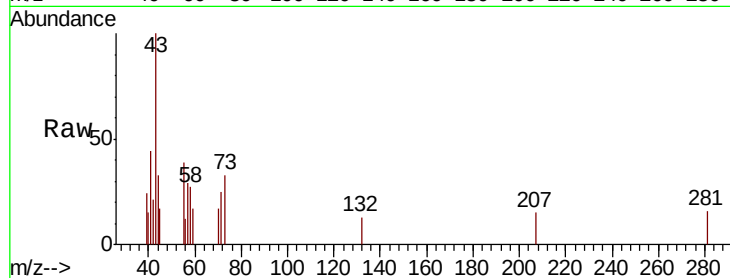
Ion Ratio Lower Upper

43 100

70 20.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

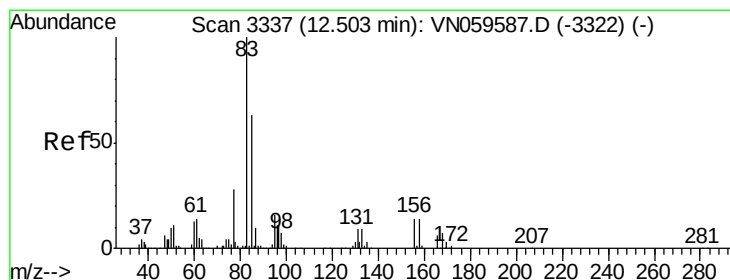
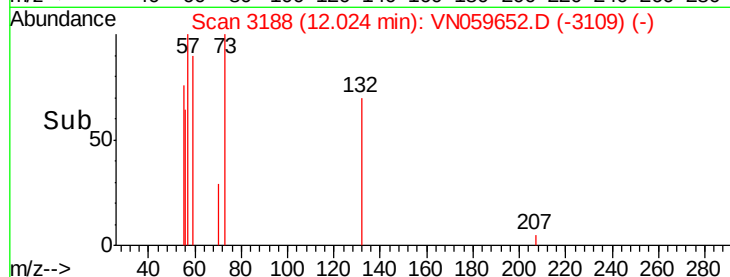
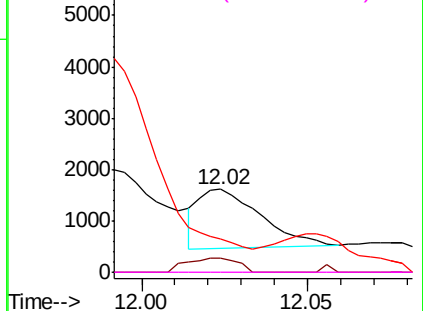


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.604 ug/l

RT: 12.54 min Scan# 3349

Delta R.T. 0.04 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

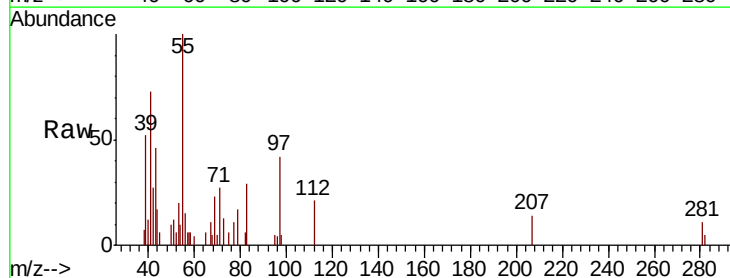
Tgt Ion: 83 Resp: 2263

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

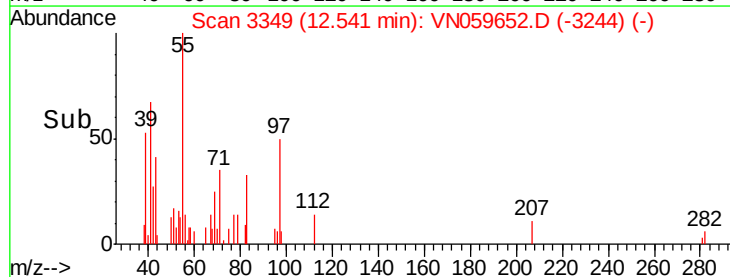
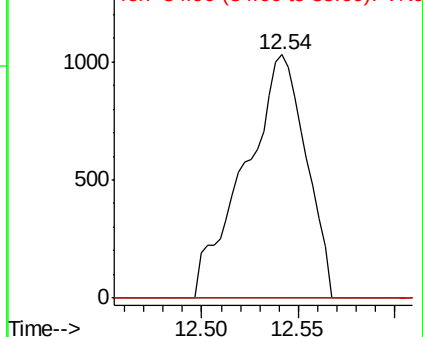
85 0.0 31.9 95.5#

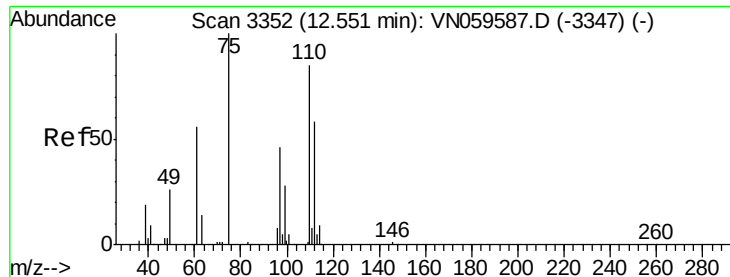


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 23.994 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.16 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

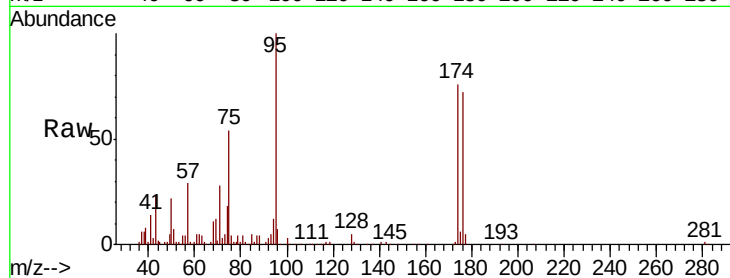
ClientSampled :

Tot Ion: 75 Resp: 89425

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.39

60000

50000

40000

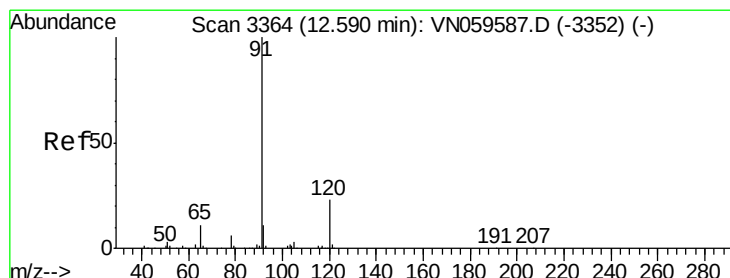
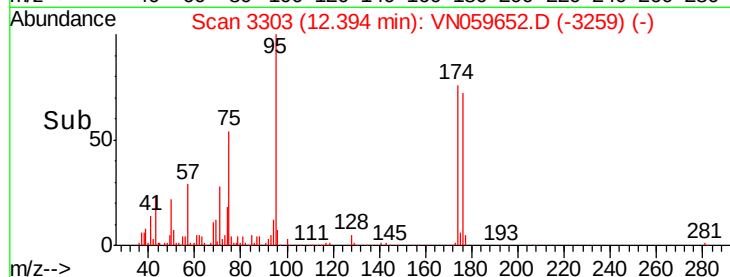
30000

20000

10000

0

Time--> 12.30 12.40 12.50



#78

n-propylbenzene

Concen: 0.208 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059652.D

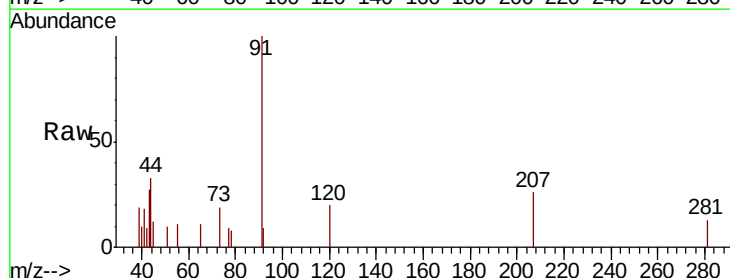
Acq: 18 Dec 2019 16:26

Tgt Ion: 91 Resp: 2902

Ion Ratio Lower Upper

91 100

120 17.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

2000

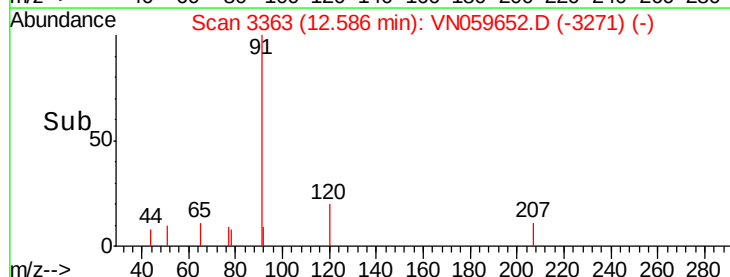
1500

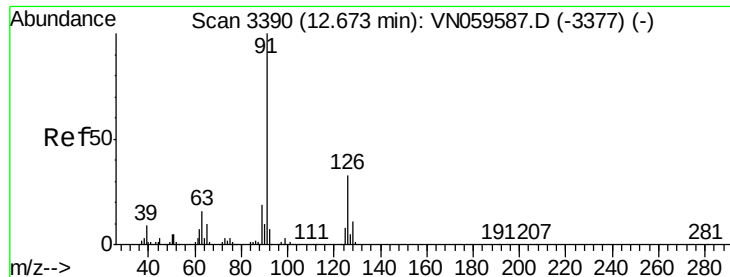
1000

500

0

Time--> 12.55 12.60

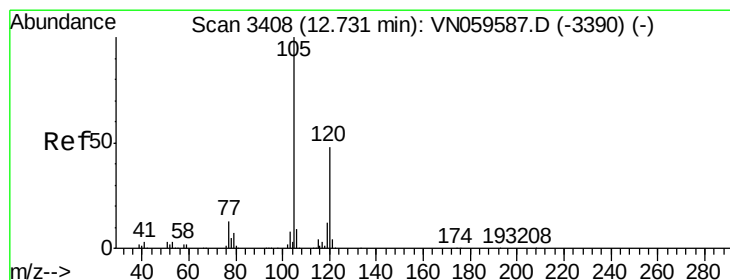
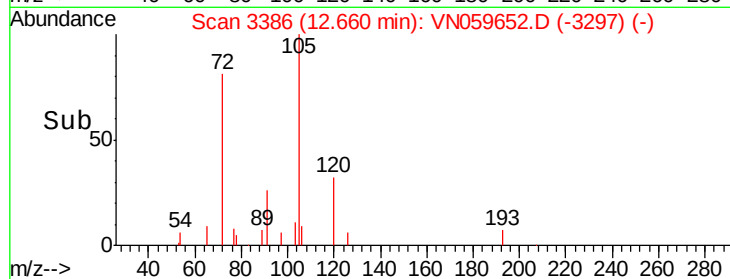
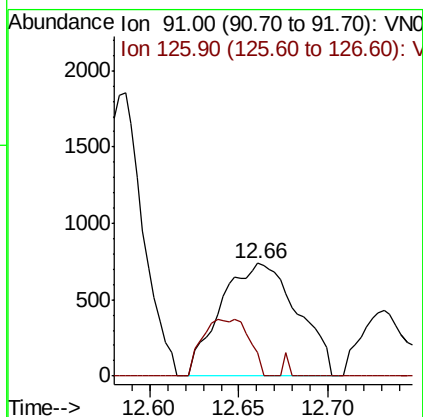
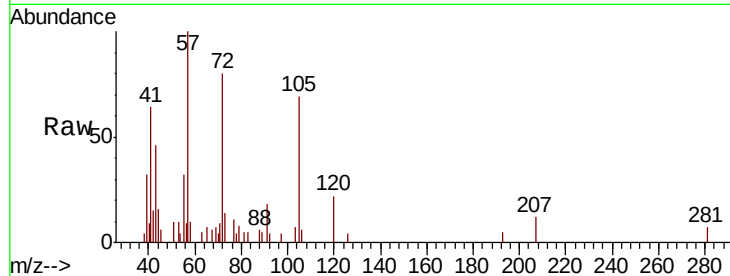




#79
 2-Chlorotoluene
 Concen: 0.262 ug/l
 RT: 12.66 min Scan# 3386
 Delta R.T. -0.01 min
 Lab File: VN059652.D
 Acq: 18 Dec 2019 16:26

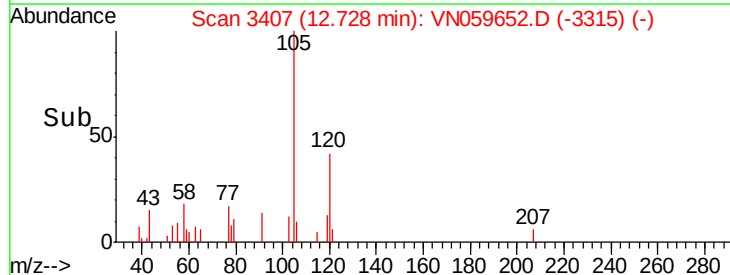
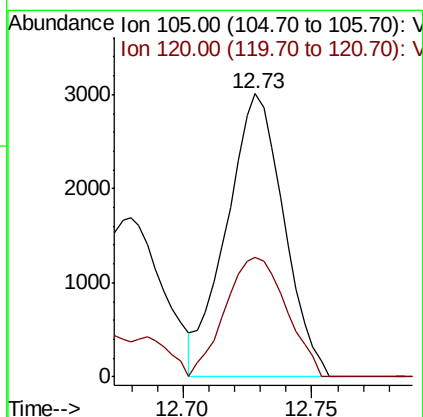
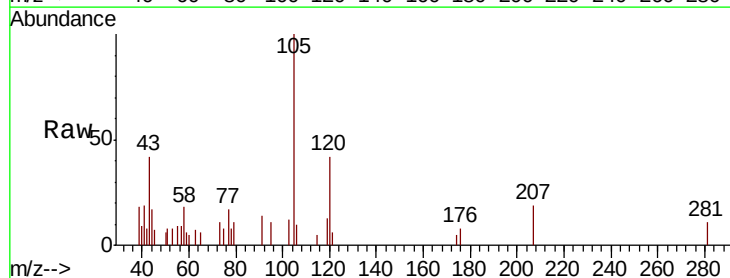
Instrument :
 MSVOA_N
 ClientSampled :

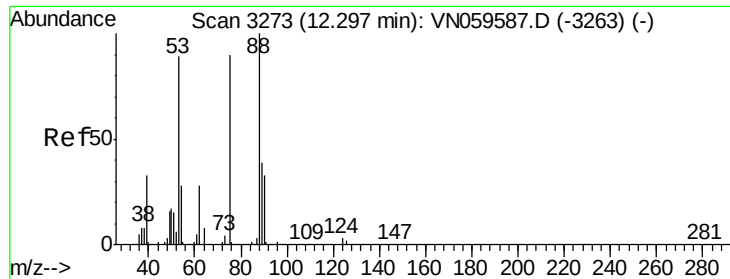
Tot Ion: 91 Resp: 2212
 Ion Ratio Lower Upper
 91 100
 126 30.6 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 0.464 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN059652.D
 Acq: 18 Dec 2019 16:26

Tgt Ion: 105 Resp: 4643
 Ion Ratio Lower Upper
 105 100
 120 45.0 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 59.262 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

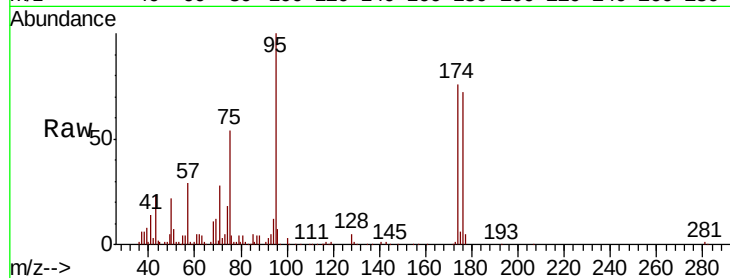
Tot Ion: 75 Resp: 89425

Ion Ratio Lower Upper

75 100

53 2.1 78.1 117.1#

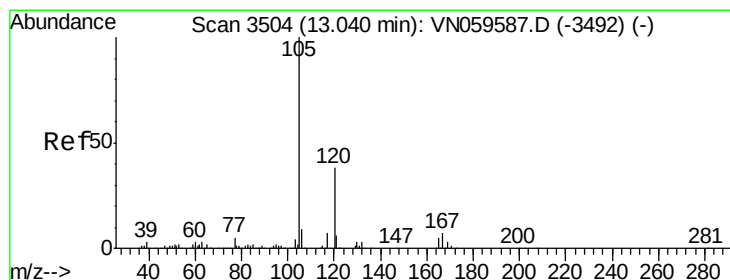
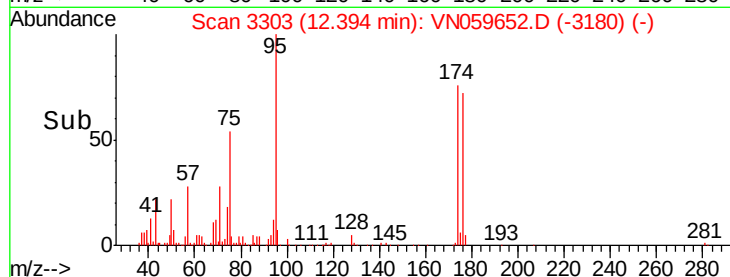
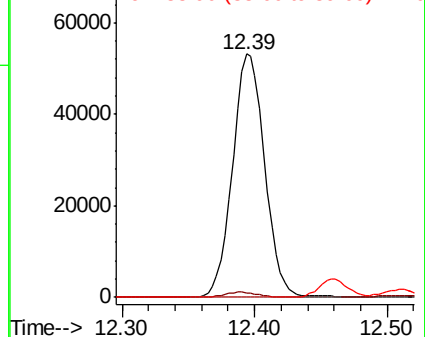
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#84

1,2,4-Trimethylbenzene

Concen: 1.595 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN059652.D

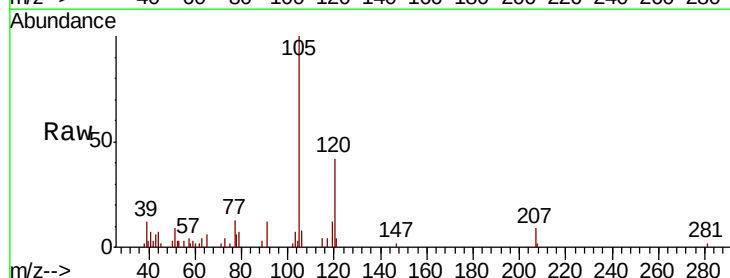
Acq: 18 Dec 2019 16:26

Tgt Ion: 105 Resp: 15863

Ion Ratio Lower Upper

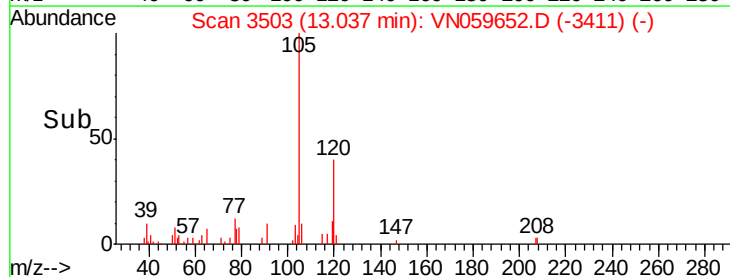
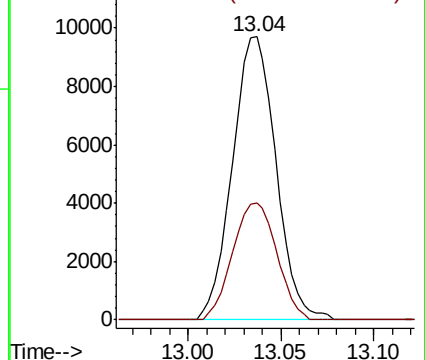
105 100

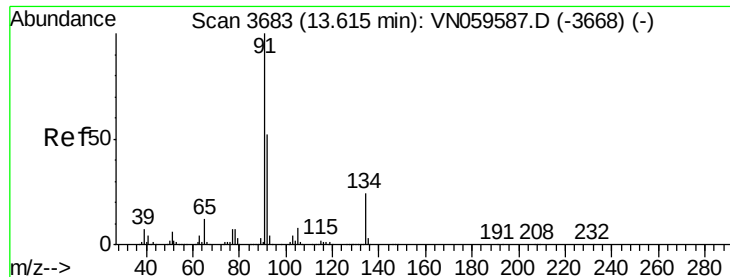
120 41.8 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 0.230 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059652.D

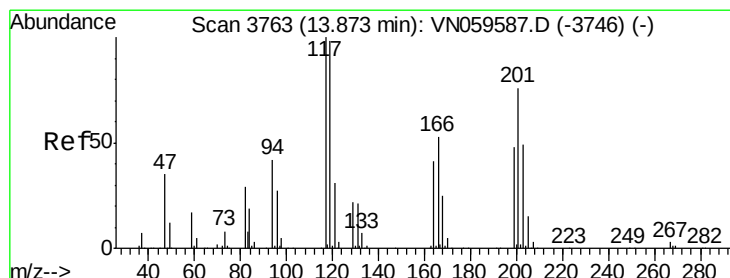
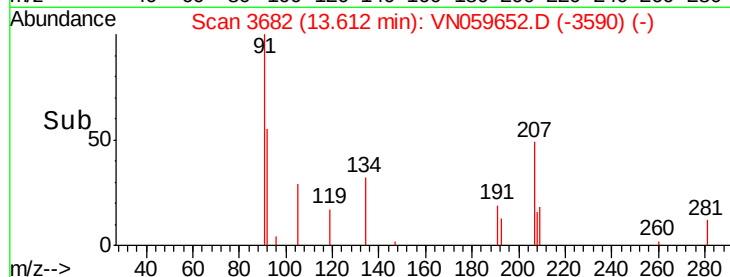
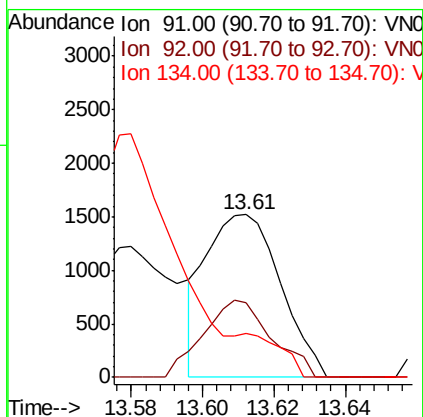
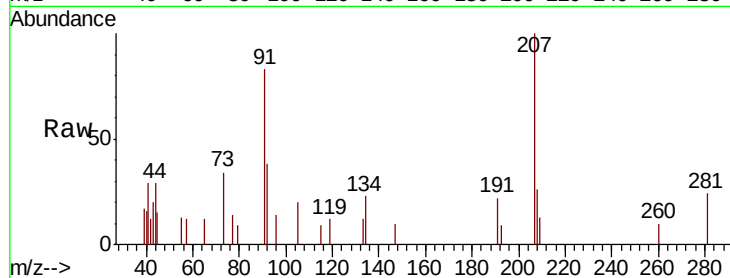
Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	91	Resp:	2196
Ion	Ratio	Lower	Upper
91	100		
92	43.6	25.9	77.7
134	0.0	12.3	36.8#



#90

Hexachloroethane

Concen: 1.779 ug/l

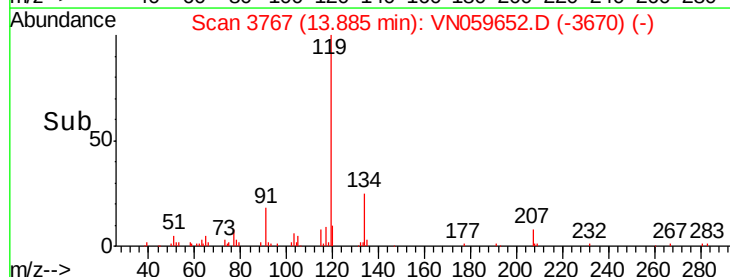
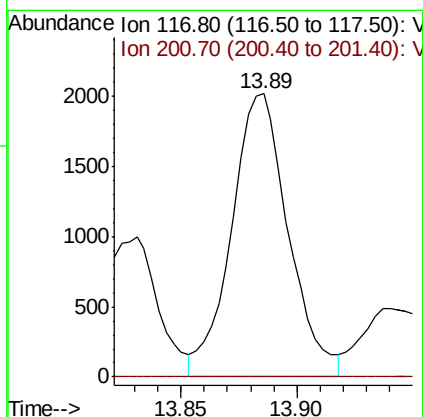
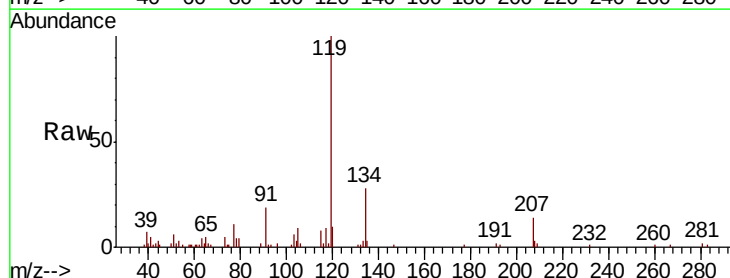
RT: 13.89 min Scan# 3767

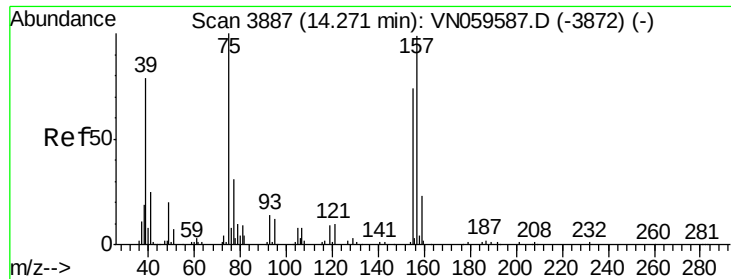
Delta R.T. 0.01 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Tgt Ion:	117	Resp:	3432
Ion	Ratio	Lower	Upper
117	100		
201	0.0	37.8	113.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.996 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

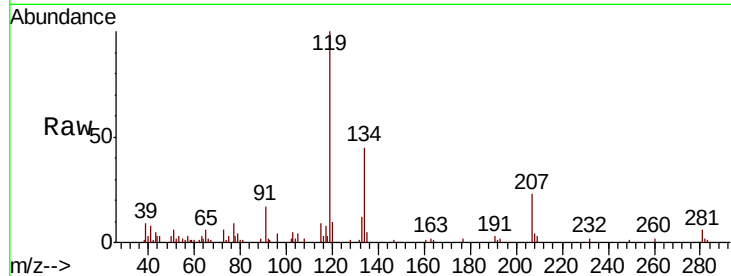
Tot Ion: 75 Resp: 405

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.25

600

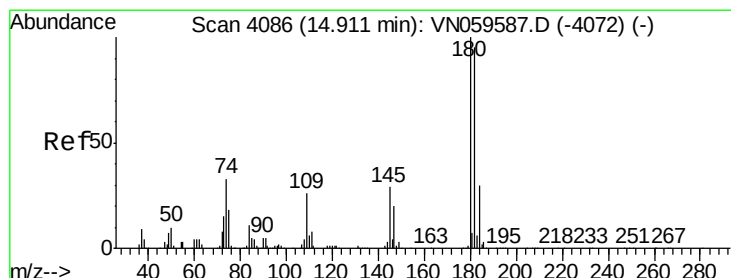
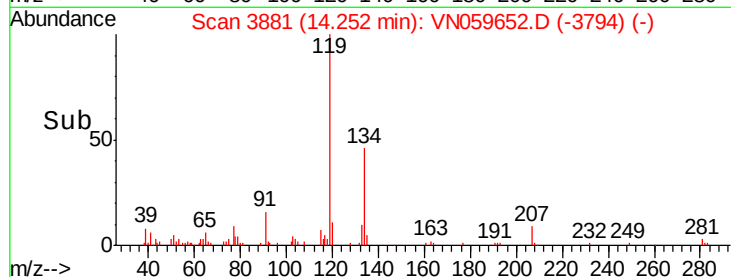
400

200

0

14.25

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.495 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

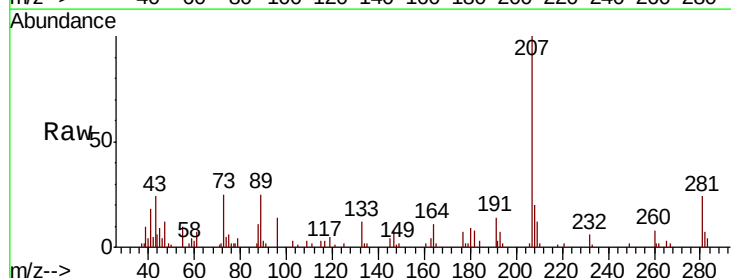
Tgt Ion: 180 Resp: 1684

Ion Ratio Lower Upper

180 100

182 91.1 46.9 140.7

145 70.9 15.0 45.1#



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

14.91

1000

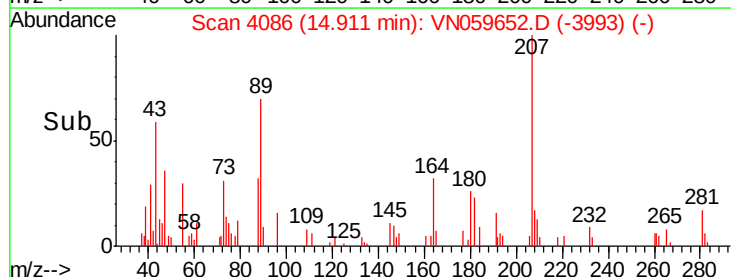
500

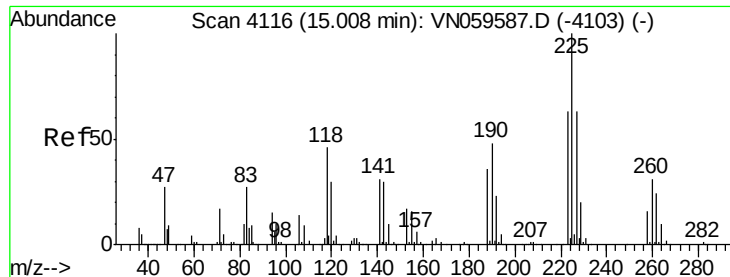
0

14.90

14.95

Time-->





#94

Hexachlorobutadiene

Concen: 1.895 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

Instrument :

MSVOA_N

ClientSampled :

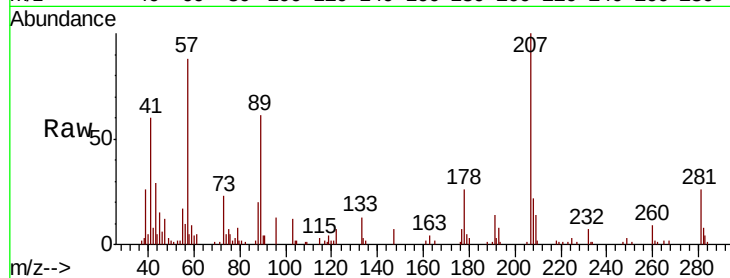
Tot Ion:225 Resp: 432

Ion Ratio Lower Upper

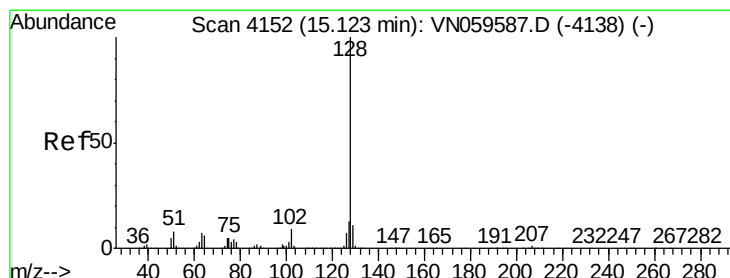
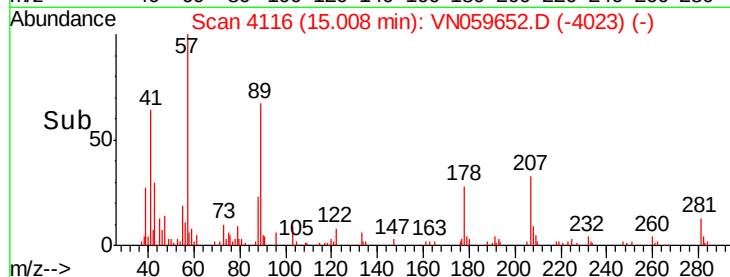
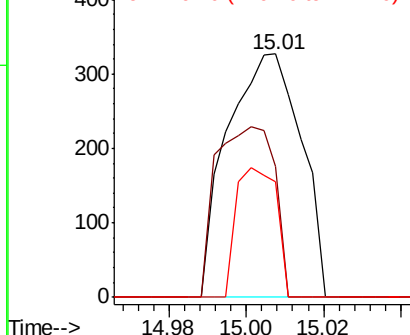
225 100

223 55.6 31.8 95.3

227 28.9 32.1 96.5#



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: 2.158 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. -0.00 min

Lab File: VN059652.D

Acq: 18 Dec 2019 16:26

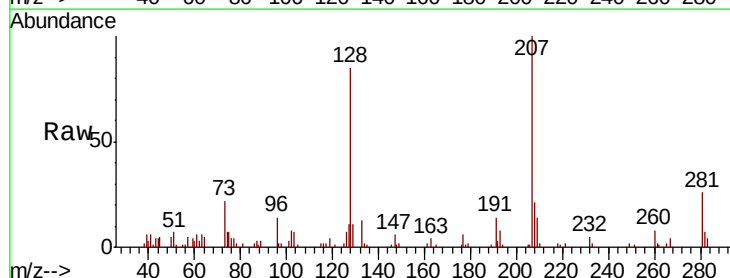
Tgt Ion:128 Resp: 21931

Ion Ratio Lower Upper

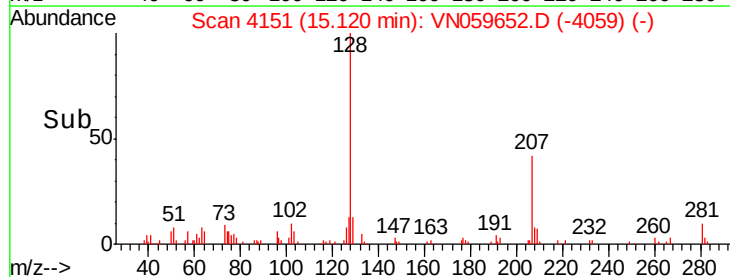
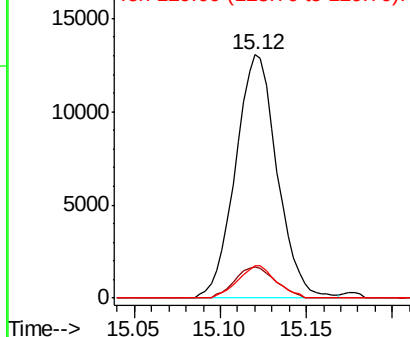
128 100

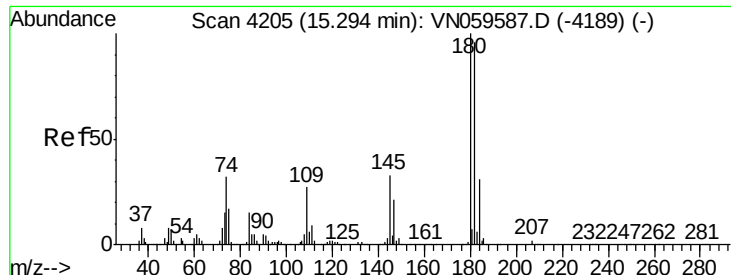
127 12.5 10.4 15.6

129 12.2 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.625 ug/l
 RT: 15.29 min Scan# 4205
 Delta R.T. 0.00 min
 Lab File: VN059652.D
 Acq: 18 Dec 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.3
145	64.8	16.3	48.9

