

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059282.D
 Acq On : 18 Nov 2019 14:38
 Operator : JC/SP
 Sample : K5900-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:46:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	475309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	744330	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	651777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	511772	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	274769	47.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	7.57	113	200766	45.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.34%	
50) Toluene-d8	10.08	98	911384	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.40	95	329647	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
3) Chloromethane	2.00	50	3962	0.609	ug/l #	72
8) Diethyl Ether	3.39	74	40969	13.356	ug/l	92
11) Tert butyl alcohol	4.75	59	1623060	1457.612	ug/l #	89
13) Acrolein	3.59	56	571	0.995	ug/l #	14
14) Allyl chloride	4.30	41	7081	0.777	ug/l #	28
15) Acrylonitrile	5.02	53	22628	8.166	ug/l #	33
16) Acetone	3.79	43	4304447	1416.703	ug/l	93
17) Carbon Disulfide	4.03	76	11281	0.820	ug/l #	93
18) Methyl Acetate	4.30	43	728178	100.970	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	2241622	146.844	ug/l	98
20) Methylene Chloride	4.53	84	11972	2.262	ug/l	95
22) Diisopropyl ether	5.94	45	5966435	346.820	ug/l #	1
23) Vinyl Acetate	5.93	43	373209	27.992	ug/l #	80
24) 1,1-Dichloroethane	5.93	63	46493	4.839	ug/l #	85
25) 2-Butanone	6.81	43	1662490	415.168	ug/l	99
26) 2,2-Dichloropropane	6.80	77	4697	0.559	ug/l #	53
29) Tetrahydrofuran	7.19	42	94547	37.159	ug/l	99
31) Cyclohexane	7.64	56	52585	5.781	ug/l #	76
36) 1,1-Dichloropropene	7.64	75	34622	4.976	ug/l #	50
37) Ethyl Acetate	6.81	43	1662490	214.797	ug/l #	69
38) Carbon Tetrachloride	7.64	117	43209	6.240	ug/l #	16
39) Methylcyclohexane	9.07	83	37860	4.689	ug/l	94
40) Benzene	8.02	78	6223204	297.037	ug/l #	86
41) Methacrylonitrile	7.19	41	58072	17.255	ug/l #	100
42) 1,2-Dichloroethane	8.02	62	56196	7.821	ug/l	76
43) Isopropyl Acetate	7.99	43	4413651	357.693	ug/l #	55
45) 1,2-Dichloropropane	9.12	63	6832	1.201	ug/l #	55
48) Methyl methacrylate	9.15	41	521365	94.462	ug/l #	39
49) 1,4-Dioxane	9.18	88	64549	658.087	ug/l #	21
51) 4-Methyl-2-Pentanone	9.97	43	468584	67.115	ug/l	98
52) Toluene	10.15	92	4638092	369.352	ug/l #	70
53) t-1,3-Dichloropropene	10.45	75	15732	1.923	ug/l	94
54) cis-1,3-Dichloropropene	9.80	75	5615	0.638	ug/l #	1
55) 1,1,2-Trichloroethane	10.52	97	1508	0.297	ug/l #	37

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059282.D
 Acq On : 18 Nov 2019 14:38
 Operator : JC/SP
 Sample : K5900-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

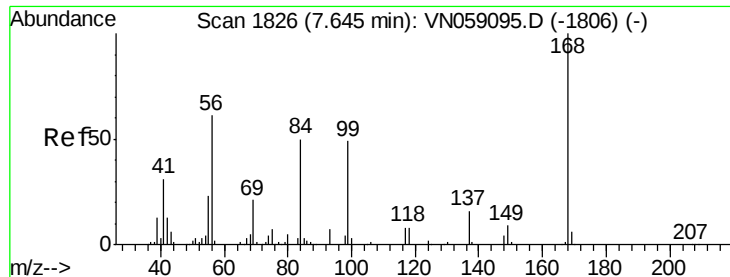
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:46:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

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

56) Ethyl methacrylate	10.35	69	66091	9.378	ug/l #	53
57) 1,3-Dichloropropane	10.76	76	7401	0.846	ug/l #	44
58) 2-Chloroethyl Vinyl ether	9.80	63	7279	2.574	ug/l	98
59) 2-Hexanone	10.75	43	210592	39.298	ug/l	83
66) 1,1,1,2-Tetrachloroethane	11.74	131	2833	0.594	ug/l #	1
67) Ethyl Benzene	11.51	91	4891106	216.970	ug/l #	72
68) m/p-Xylenes	11.62	106	6872114	813.822	ug/l #	51
69) o-Xylene	11.95	106	4225327	517.777	ug/l	56
70) Styrene	11.95	104	232115	18.086	ug/l #	1
73) Isopropylbenzene	12.25	105	167252	4.493	ug/l	100
74) N-amyl acetate	11.99	43	1982491	125.679	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.55	83	448539	35.381	ug/l #	25
76) 1,2,3-Trichloropropane	12.60	75	6547	0.562	ug/l #	100
78) n-propylbenzene	12.59	91	125018	2.933	ug/l	95
79) 2-Chlorotoluene	12.65	91	102951	3.893	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	389844	12.359	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	35561	8.061	ug/l #	37
82) 4-Chlorotoluene	12.73	91	38437	1.449	ug/l #	43
83) tert-Butylbenzene	12.99	119	6213	0.228	ug/l #	40
84) 1,2,4-Trimethylbenzene	13.04	105	1462164	47.911	ug/l	96
85) sec-Butylbenzene	13.17	105	50170	1.416	ug/l	84
86) p-Isopropyltoluene	13.30	119	53966	1.725	ug/l #	75
89) n-Butylbenzene	13.59	91	203004	7.415	ug/l #	1
90) Hexachloroethane	13.89	117	160206	25.505	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	15084	5.987	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	1040	3.149	ug/l #	19
95) Naphthalene	15.13	128	953031	36.793	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

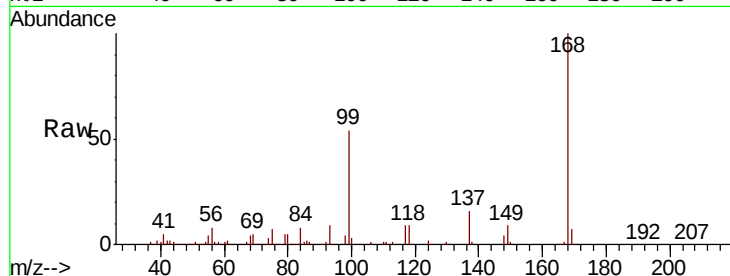
ClientSampled :

Tot Ion:168 Resp: 475309

Ion Ratio Lower Upper

168 100

99 54.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D

Ion 98.90 (98.60 to 99.60): VN059095.D

7.64

200000

150000

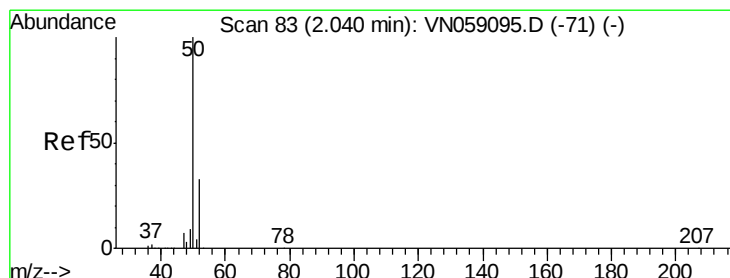
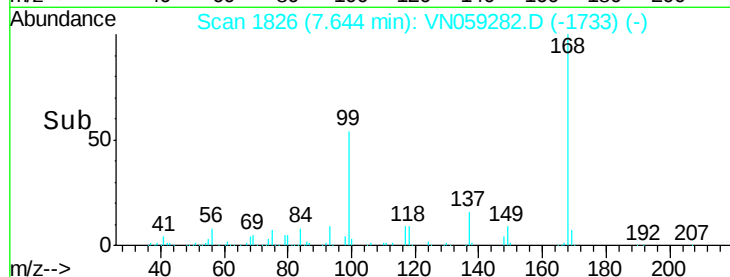
100000

50000

0

Time-->

7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.609 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.04 min

Lab File: VN059282.D

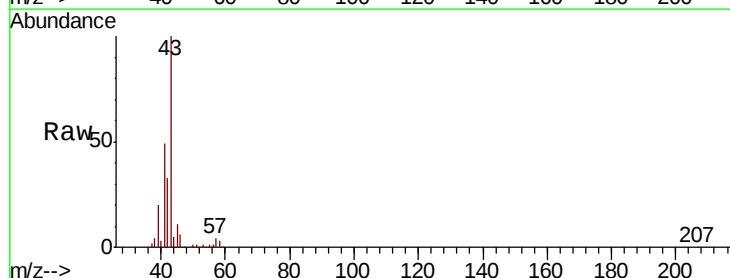
Acq: 18 Nov 2019 14:38

Tgt Ion: 50 Resp: 3962

Ion Ratio Lower Upper

50 100

52 16.7 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN059282.D

Ion 51.90 (51.60 to 52.60): VN059282.D

2.00

3000

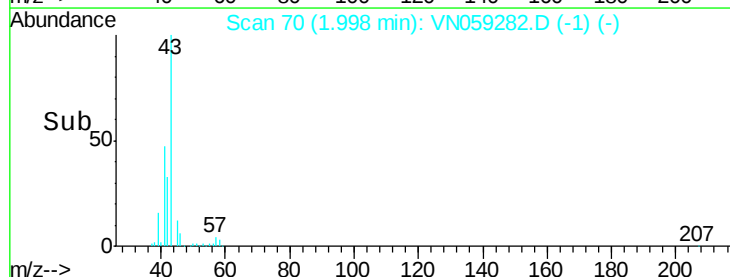
2000

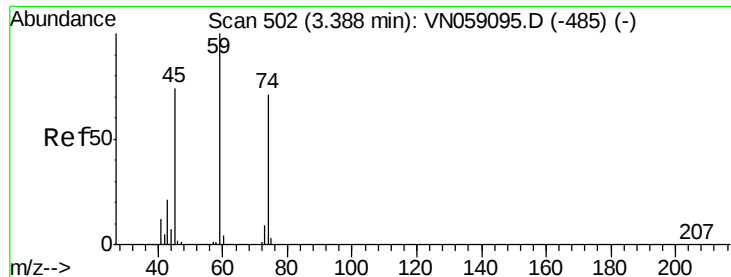
1000

0

Time-->

1.96 1.98 2.00 2.02





#8

Diethyl Ether

Concen: 13.356 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

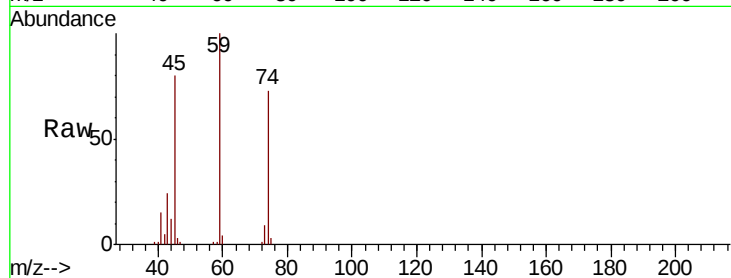
ClientSampled :

Tot Ion: 74 Resp: 40969

Ion Ratio Lower Upper

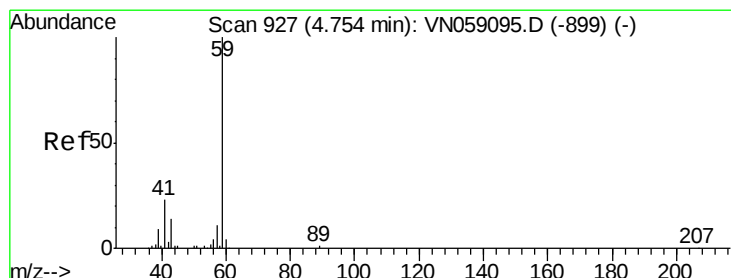
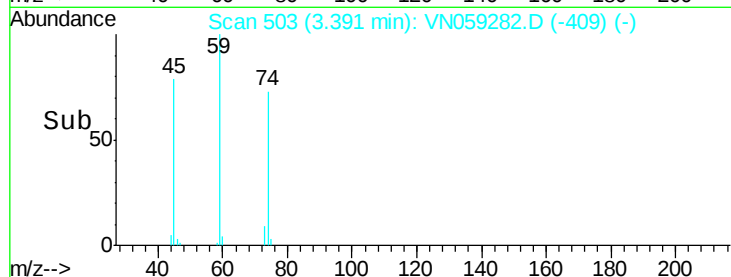
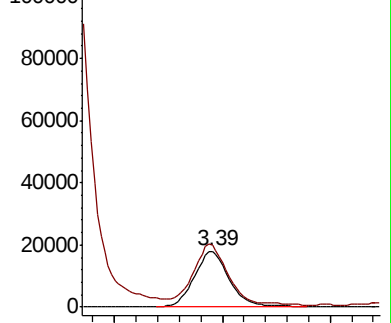
74 100

45 111.4 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#11

Tert butyl alcohol

Concen: 1457.612 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN059282.D

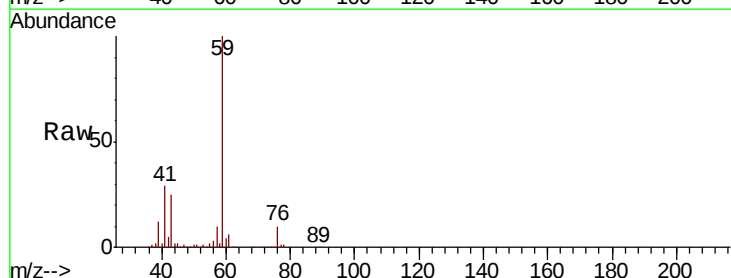
Acq: 18 Nov 2019 14:38

Tgt Ion: 59 Resp: 1623060

Ion Ratio Lower Upper

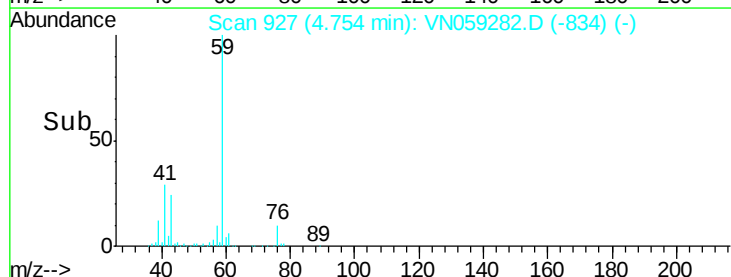
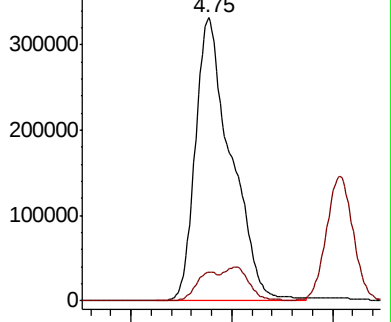
59 100

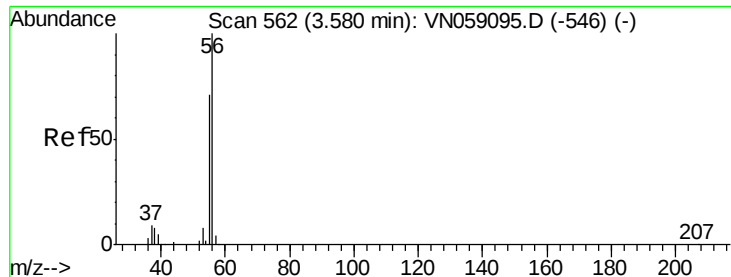
57 6.1 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.995 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

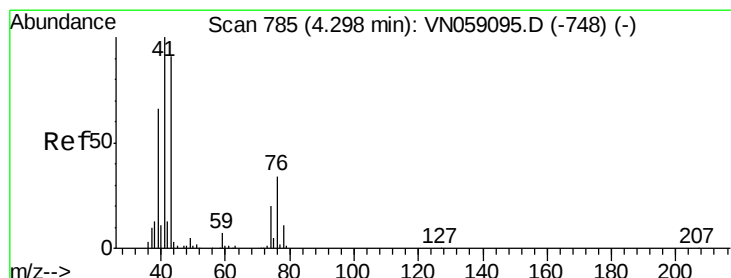
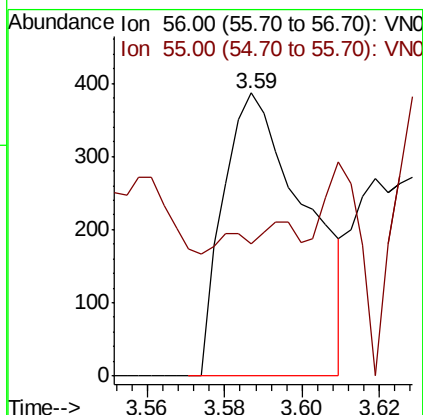
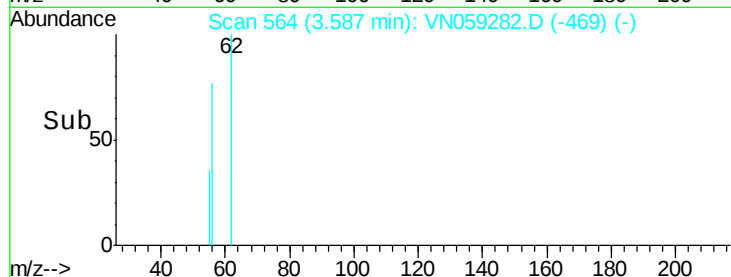
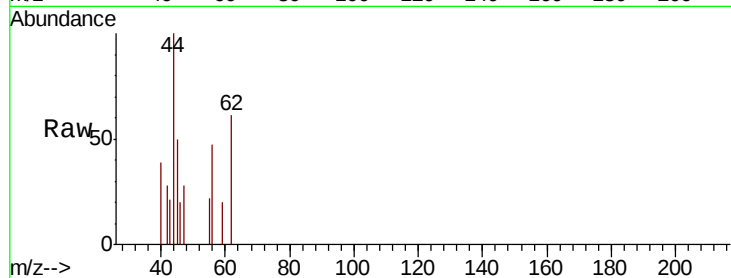
ClientSampled :

Tot Ion: 56 Resp: 571

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#14

Allyl chloride

Concen: 0.777 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

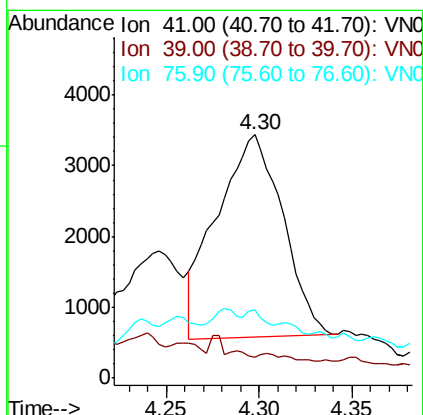
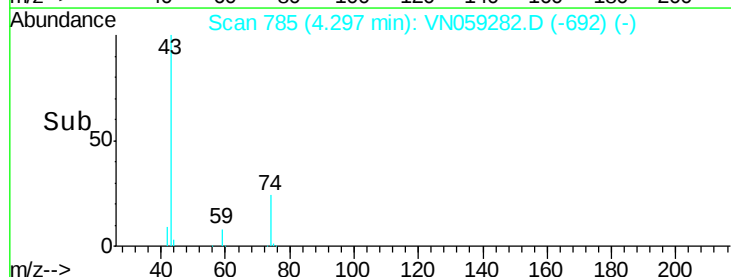
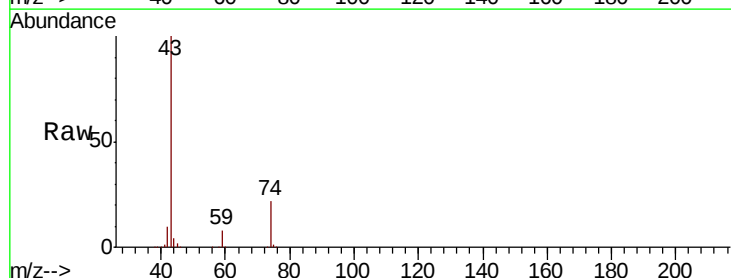
Tgt Ion: 41 Resp: 7081

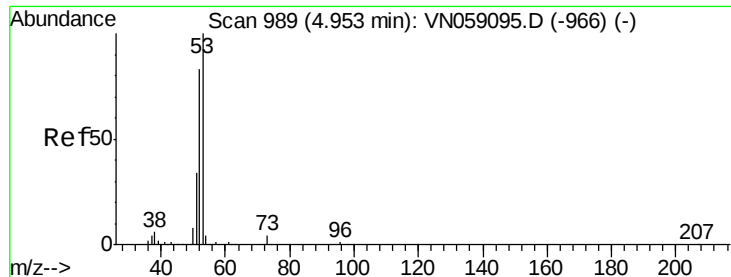
Ion Ratio Lower Upper

41 100

39 0.0 49.1 73.7#

76 0.0 24.9 37.3#





#15

Acrylonitrile

Concen: 8.166 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.06 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

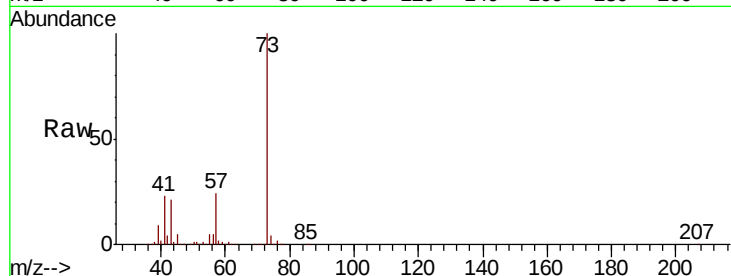
Tot Ion: 53 Resp: 22628

Ion Ratio Lower Upper

53 100

52 19.9 65.0 97.6#

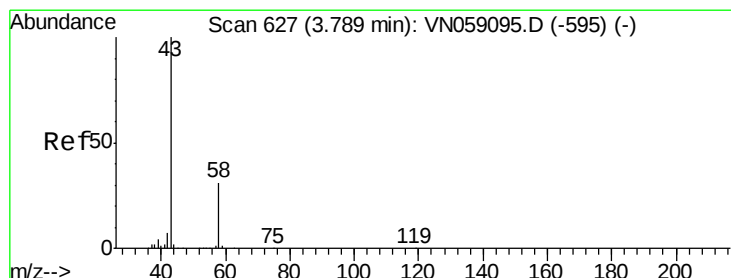
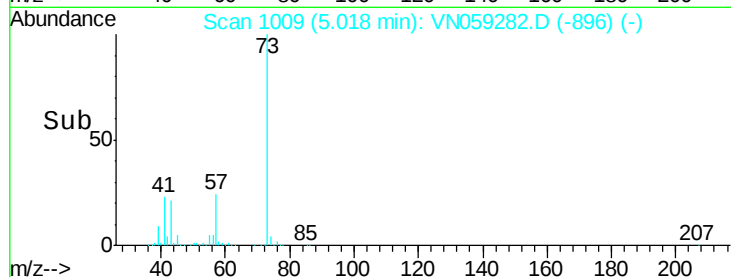
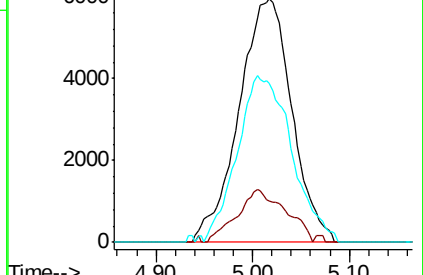
51 70.6 28.0 42.0#



Abundance Ion 53.00 (52.70 to 53.70): VN059282.D (-1009) (-)

Ion 52.00 (51.70 to 52.70): VN059282.D (-1009) (-)

Ion 51.00 (50.70 to 51.70): VN059282.D (-1009) (-)



#16

Acetone

Concen: 1416.703 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059282.D

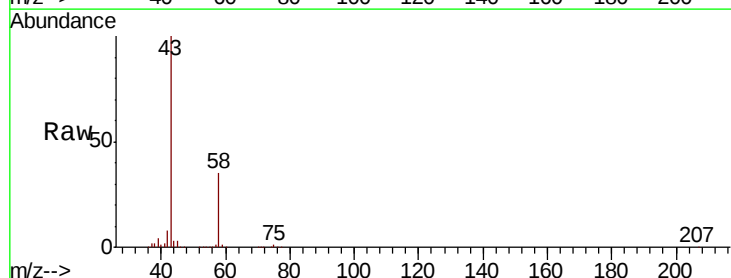
Acq: 18 Nov 2019 14:38

Tgt Ion: 43 Resp: 4304447

Ion Ratio Lower Upper

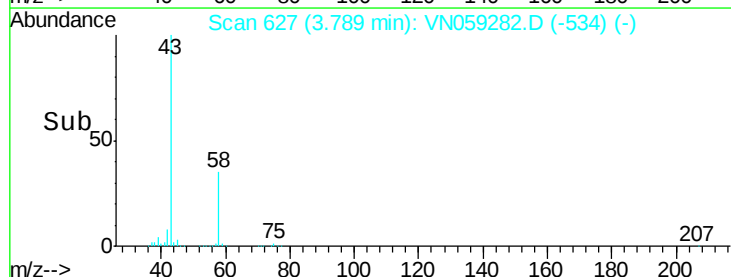
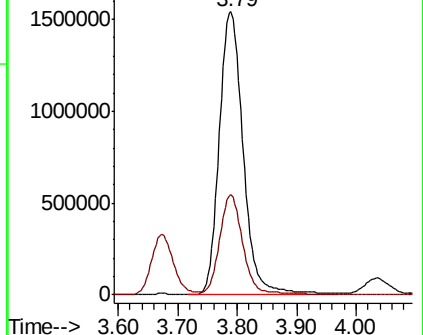
43 100

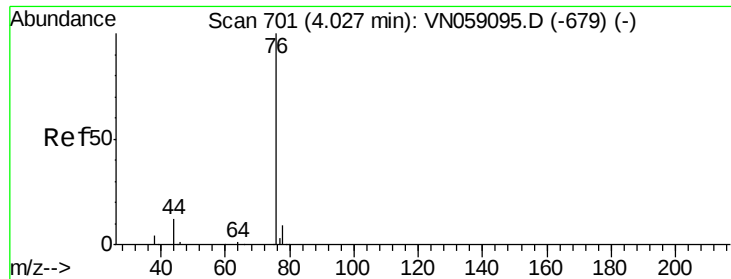
58 35.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059282.D (-627) (-)

Ion 58.00 (57.70 to 58.70): VN059282.D (-627) (-)

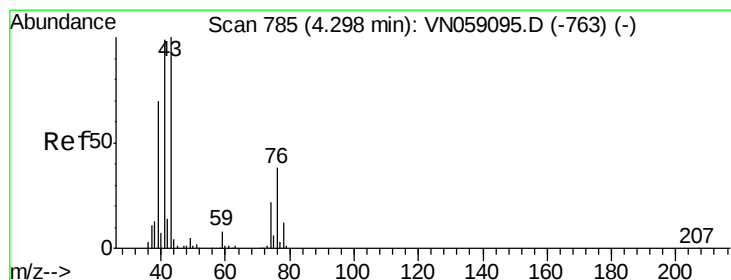
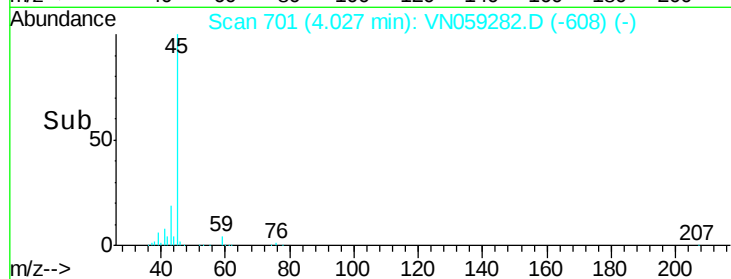
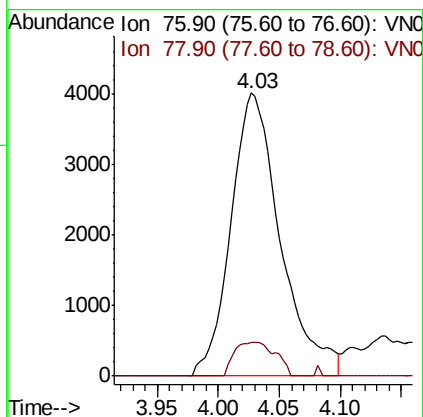
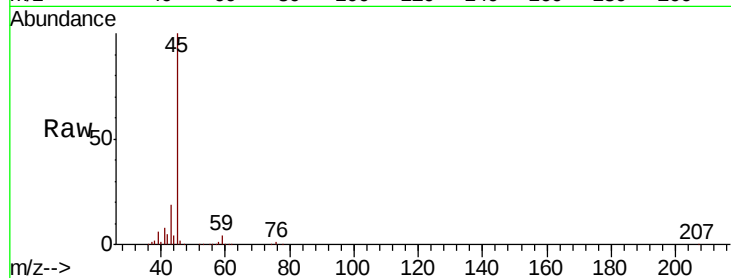




#17
Carbon Disulfide
Concen: 0.820 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

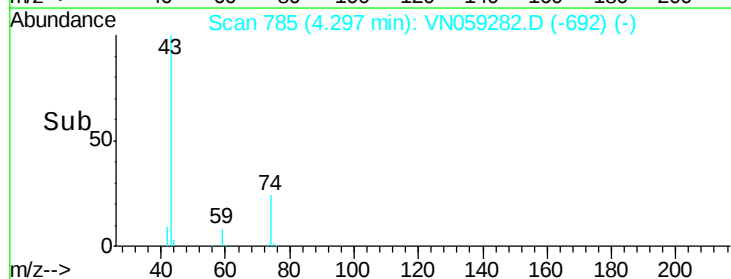
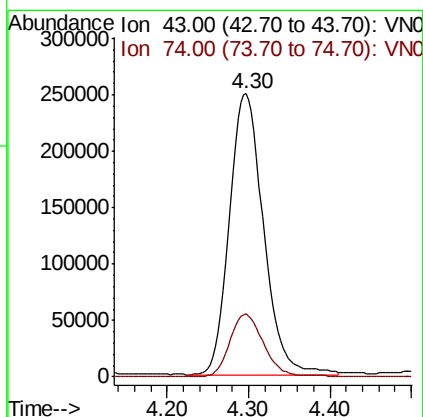
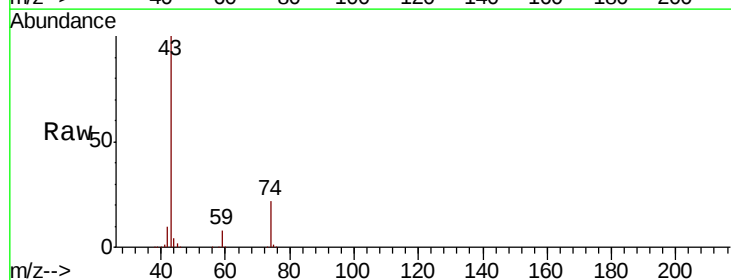
Instrument :
MSVOA_N
ClientSampled :

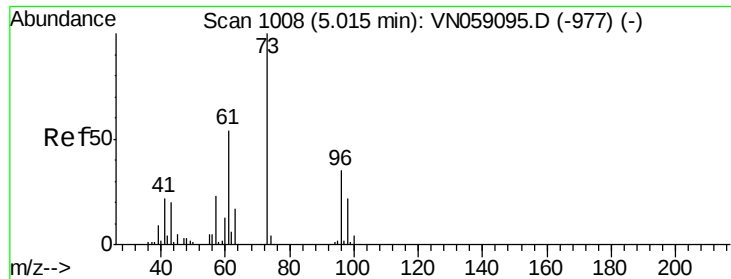
Tot Ion: 76 Resp: 11281
Ion Ratio Lower Upper
76 100
78 11.9 7.4 11.0#



#18
Methyl Acetate
Concen: 100.970 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

Tgt Ion: 43 Resp: 728178
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8

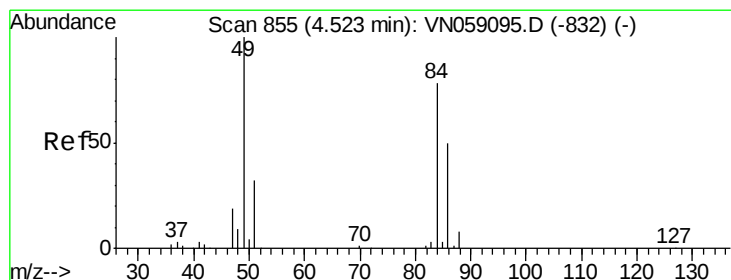
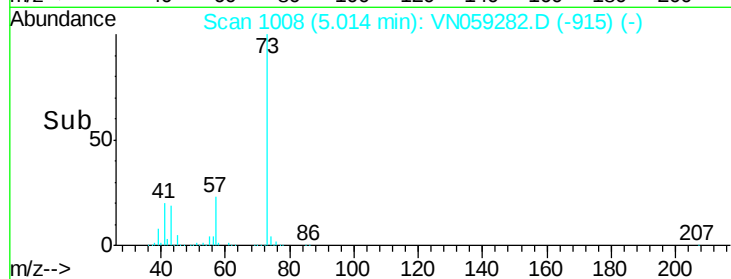
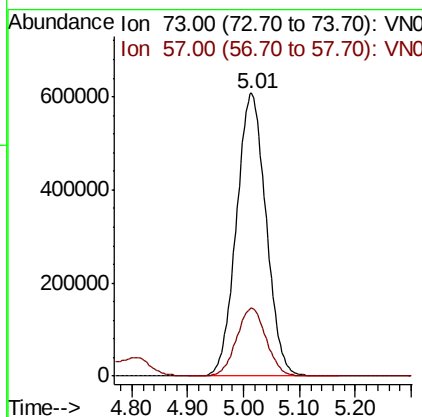
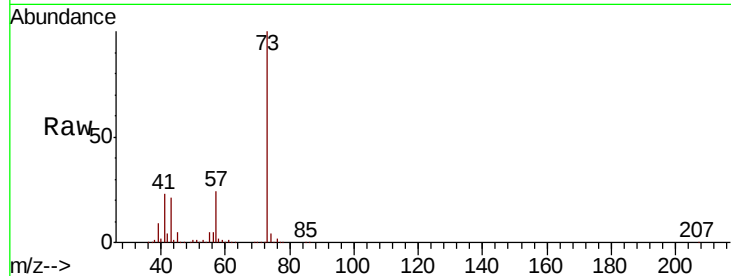




#19
Methvl tert-butvl Ether
Concen: 146.844 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

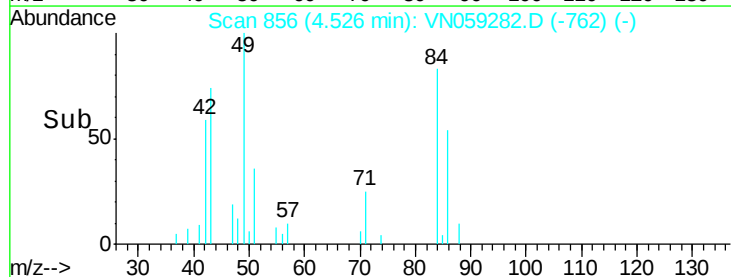
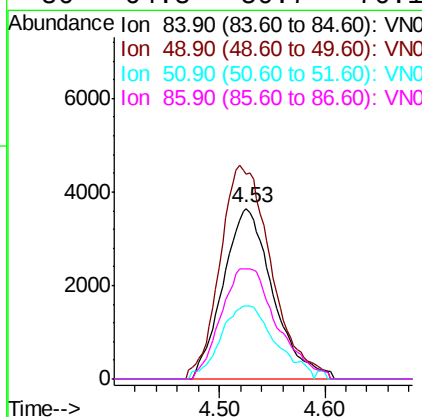
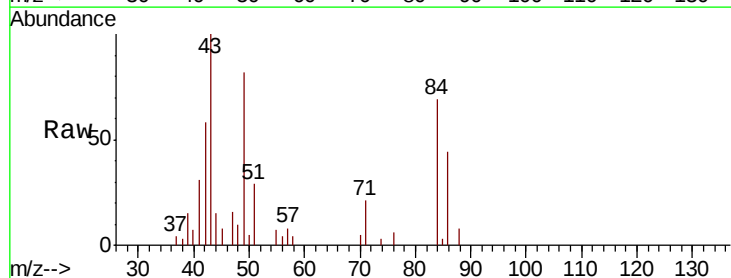
Instrument :
MSVOA_N
ClientSampleId :

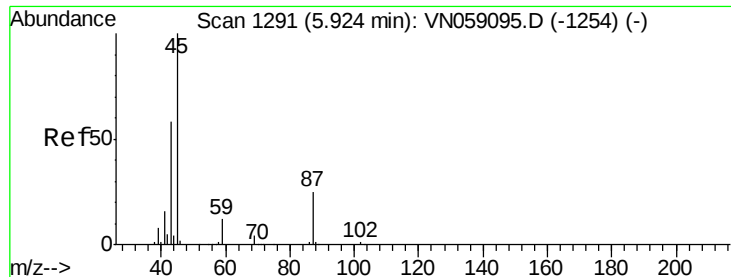
Tot Ion: 73 Resp: 2241622
Ion Ratio Lower Upper
73 100
57 24.0 18.4 27.6



#20
Methylene Chloride
Concen: 2.262 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

Tgt Ion: 84 Resp: 11972
Ion Ratio Lower Upper
84 100
49 119.9 102.0 153.0
51 43.0 32.2 48.2
86 64.8 50.7 76.1

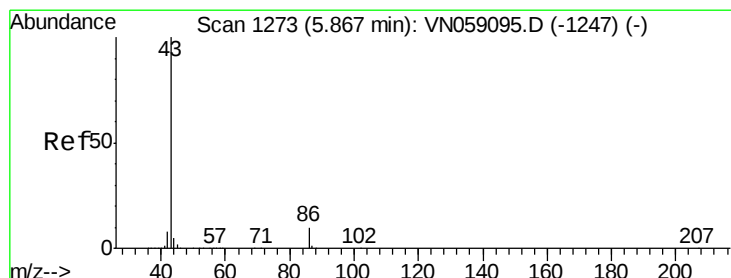
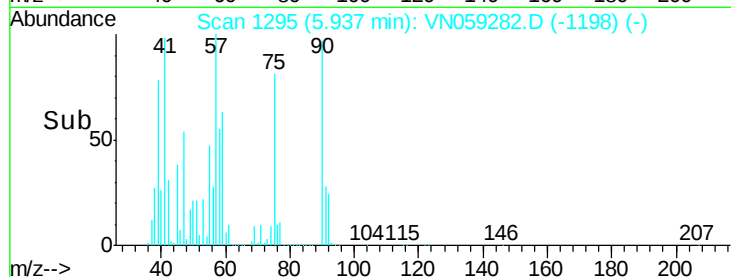
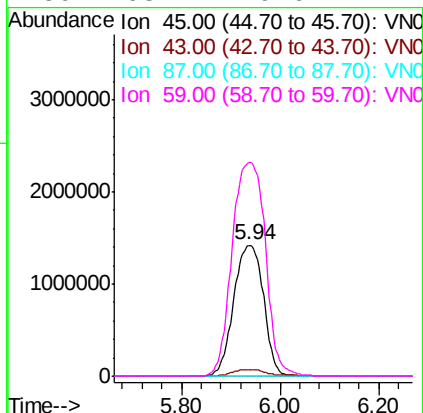
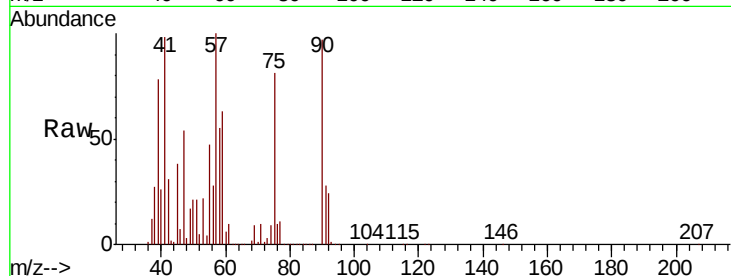




#22
Diisopropyl ether
Concen: 346.820 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

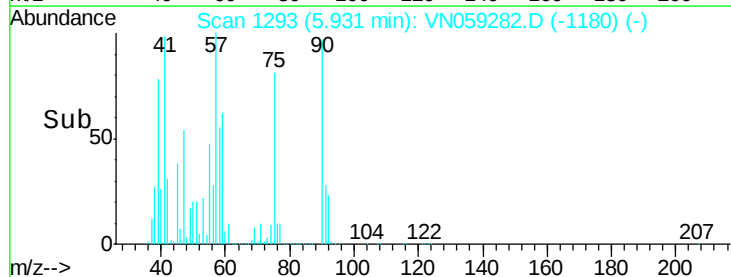
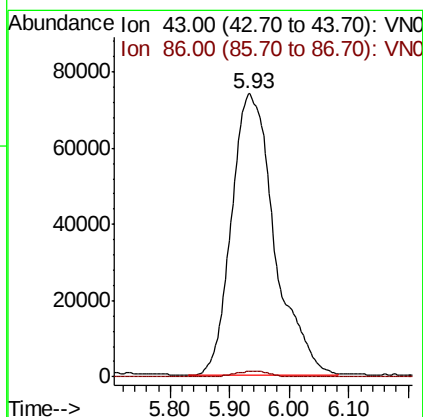
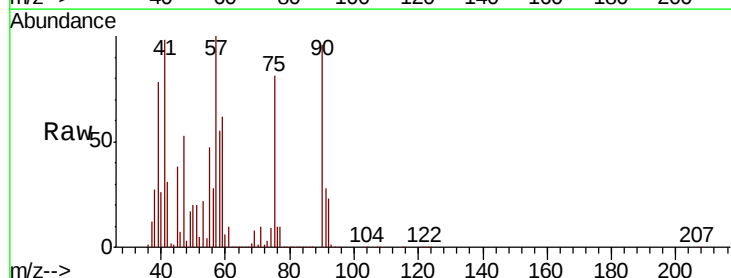
Instrument :
MSVOA_N
ClientSampleId :

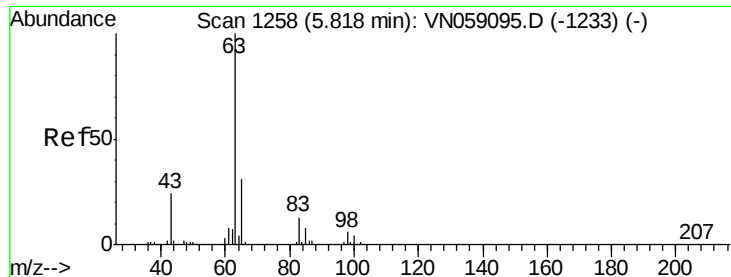
Tot Ion: 45 Resp: 5966435
Ion Ratio Lower Upper
45 100
43 5.1 46.7 70.1#
87 0.5 20.5 30.7#
59 163.4 9.6 14.4#



#23
Vinyl Acetate
Concen: 27.992 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.06 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

Tgt Ion: 43 Resp: 373209
Ion Ratio Lower Upper
43 100
86 2.1 7.7 11.5#





#24

1,1-Dichloroethane

Concen: 4.839 ug/l

RT: 5.93 min Scan# 1294

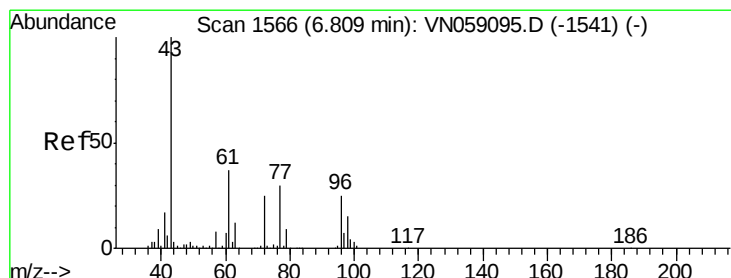
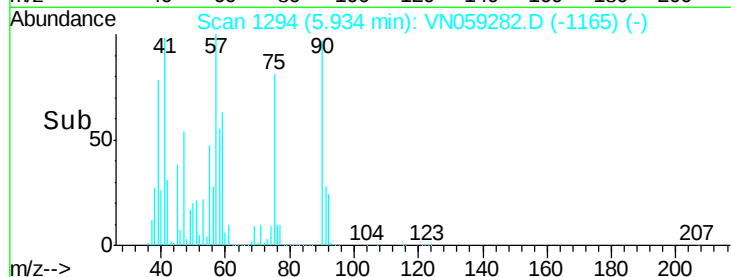
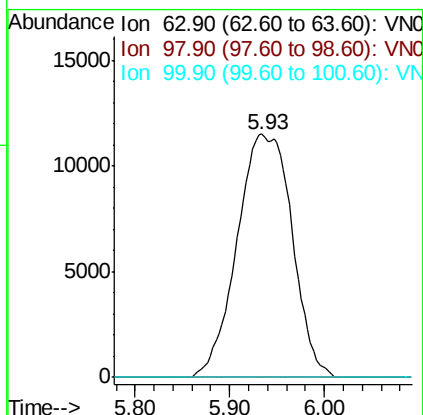
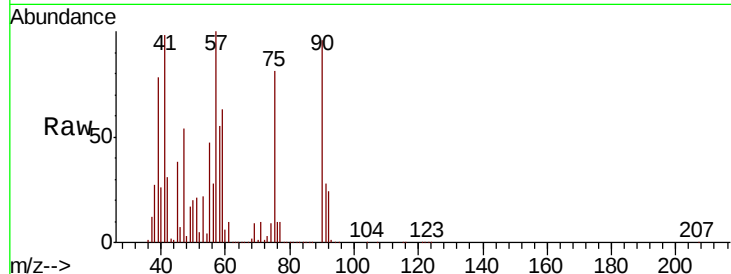
Delta R.T. 0.12 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 46493
Ion Ratio Lower Upper
63 100
98 0.0 2.8 8.4#
100 0.0 1.9 5.7#



#25

2-Butanone

Concen: 415.168 ug/l

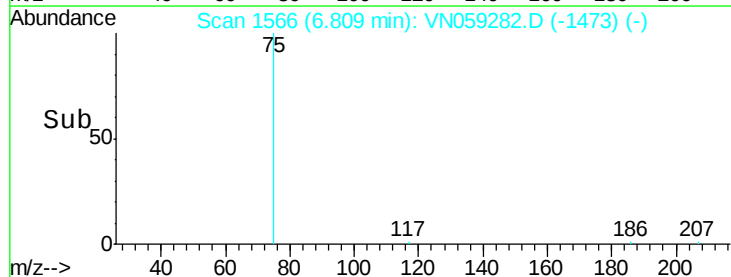
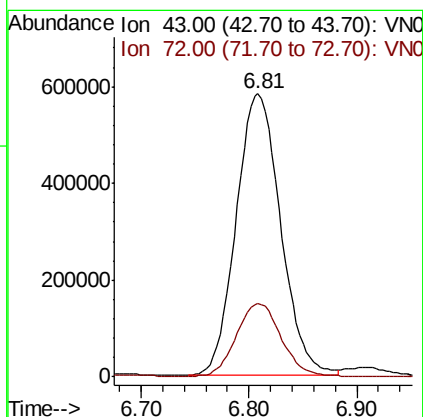
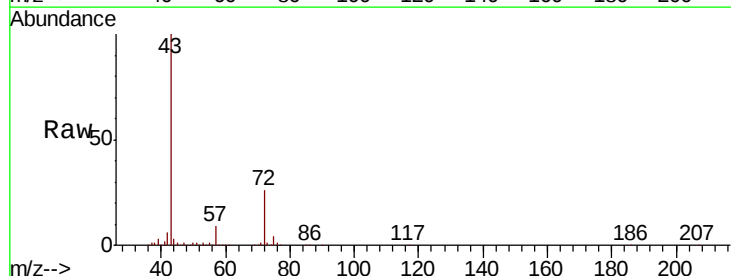
RT: 6.81 min Scan# 1566

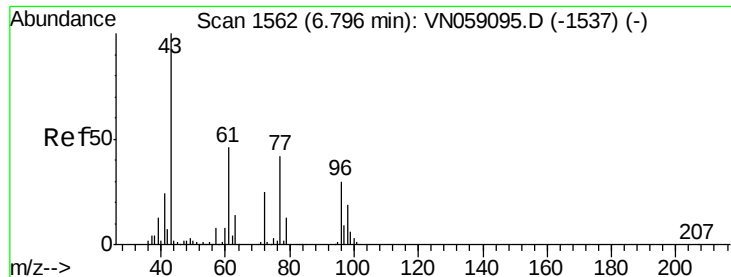
Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Tgt Ion: 43 Resp: 1662490
Ion Ratio Lower Upper
43 100
72 25.7 20.3 30.5

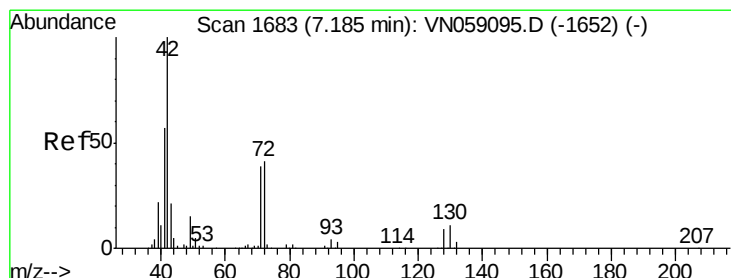
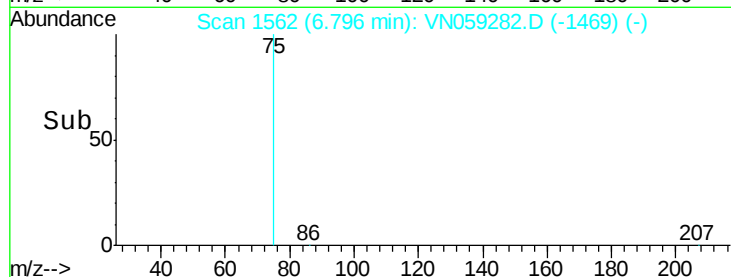
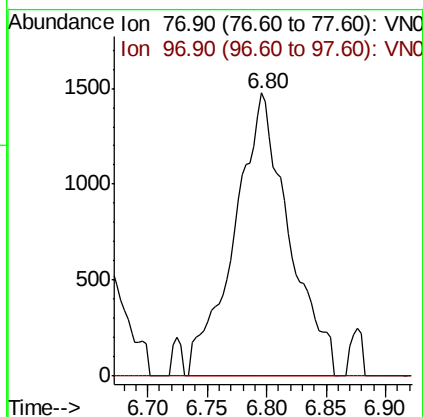
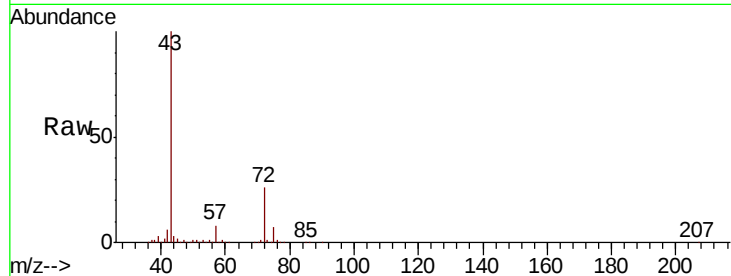




#26
 2,2-Dichloropropane
 Concen: 0.559 ug/l
 RT: 6.80 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

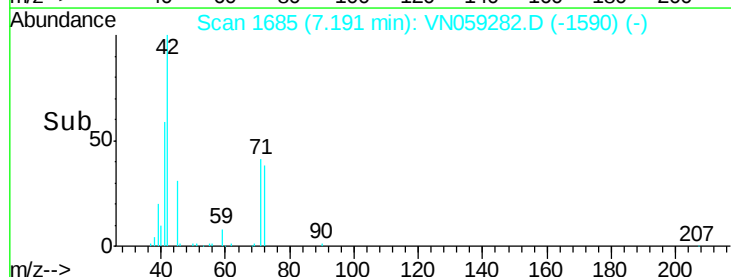
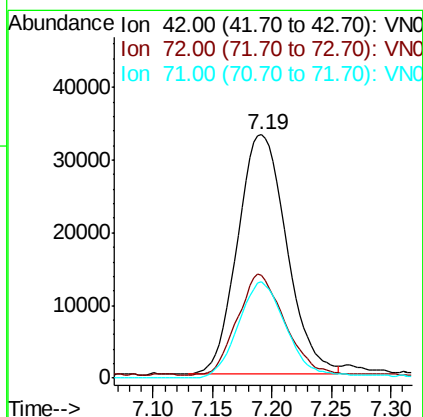
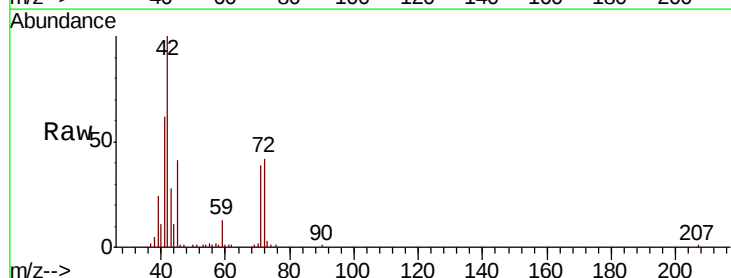
Instrument :
 MSVOA_N
 ClientSampleId :

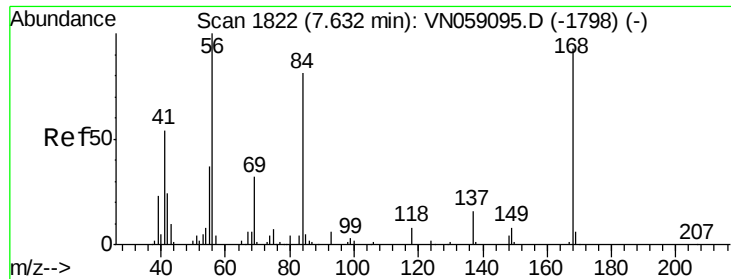
Tot Ion: 77 Resp: 4697
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.2 33.6#



#29
 Tetrahydrofuran
 Concen: 37.159 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. 0.01 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

Tgt Ion: 42 Resp: 94547
 Ion Ratio Lower Upper
 42 100
 72 40.8 33.1 49.7
 71 39.4 30.9 46.3

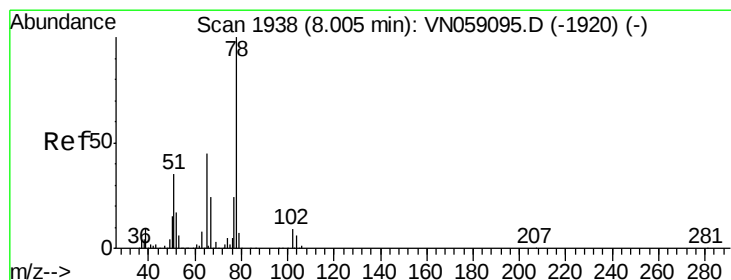
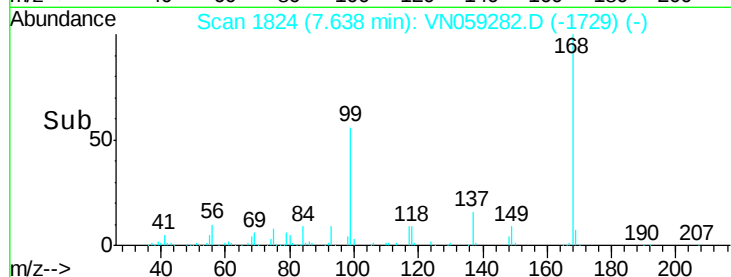
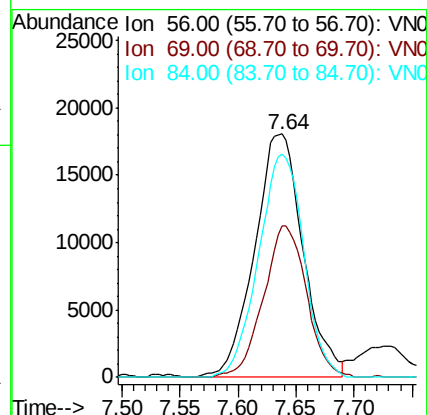
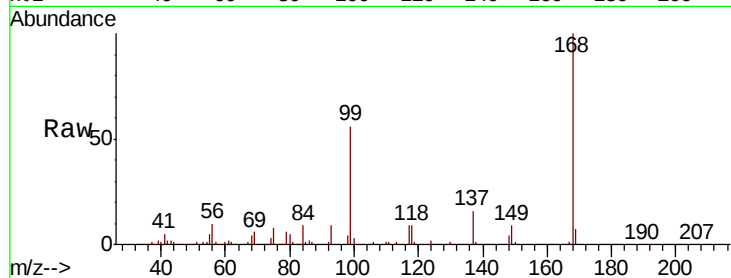




#31
Cyclohexane
Concen: 5.781 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

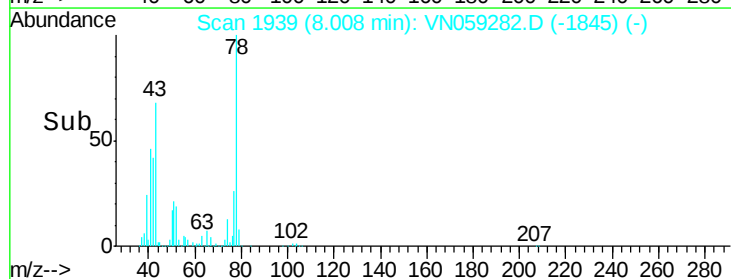
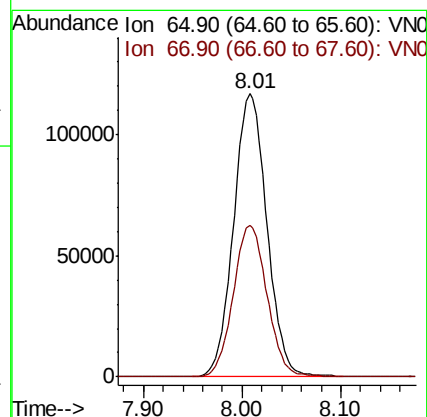
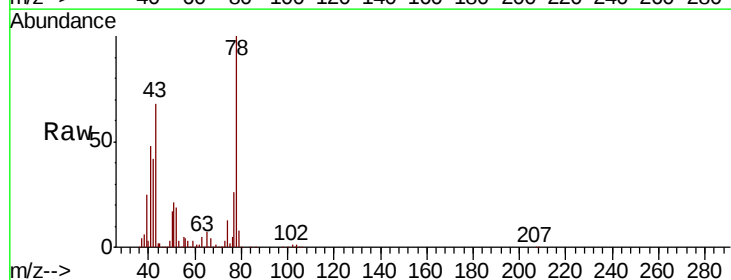
Instrument :
MSVOA_N
ClientSampleId :

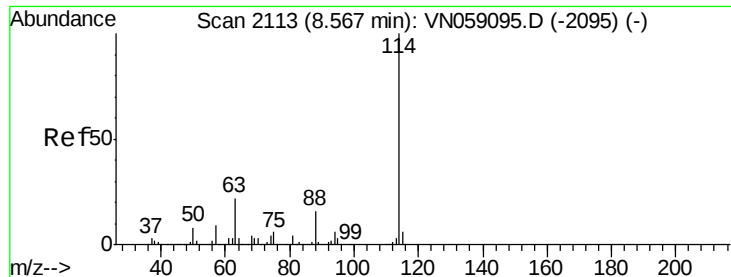
Tot Ion	56	Resp	52585
Ion	Ratio	Lower	Upper
56	100		
69	62.3	25.8	38.8#
84	91.9	65.0	97.4



#33
1,2-Dichloroethane-d4
Concen: 47.027 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

Tgt Ion	65	Resp	274769
Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

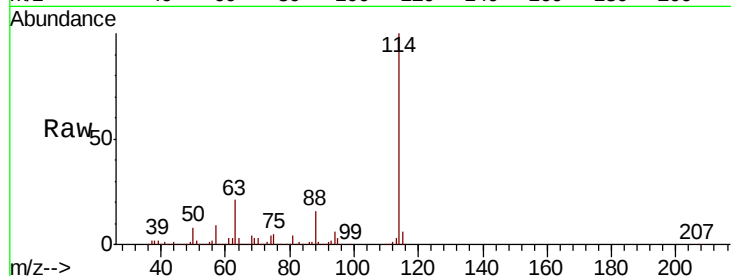
Tot Ion:114 Resp: 744330

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.4

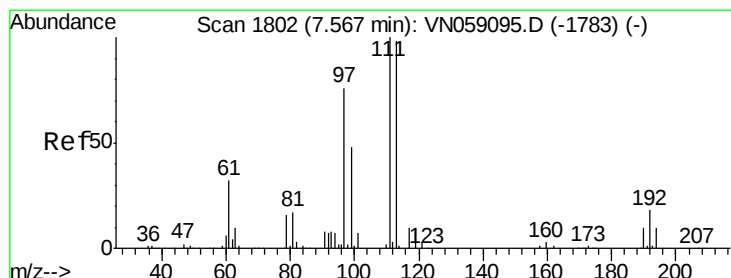
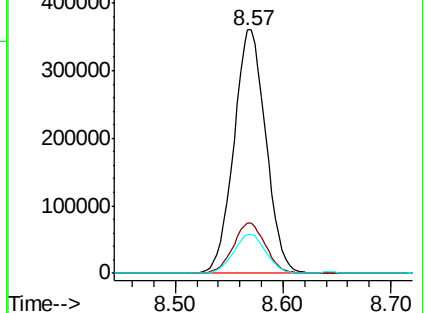
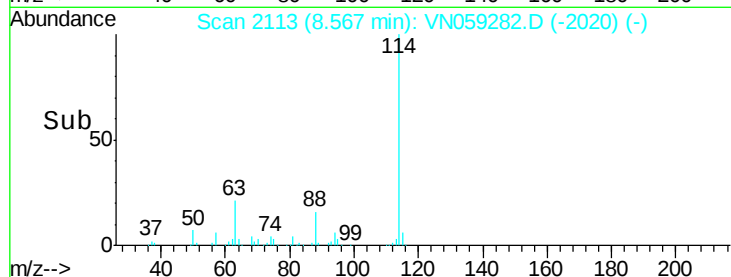
88 16.1 0.0 32.2



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: 45.173 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

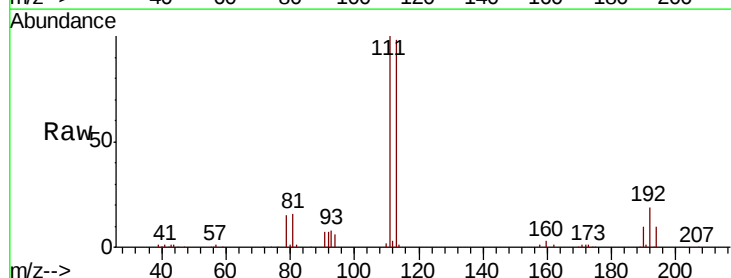
Tgt Ion:113 Resp: 200766

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

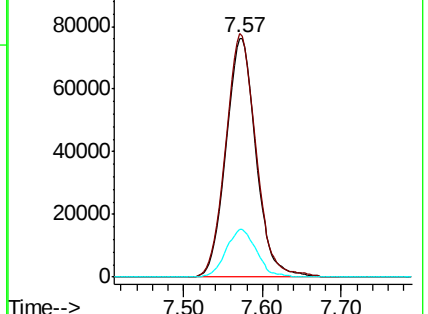
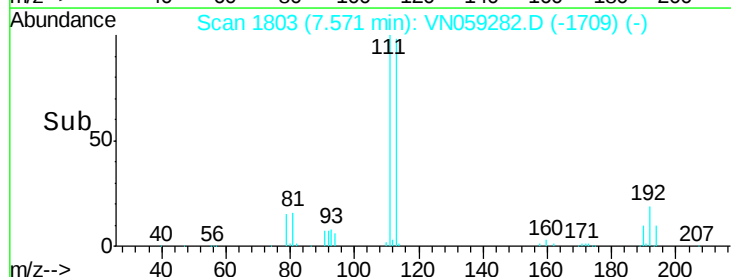
192 20.4 16.1 24.1

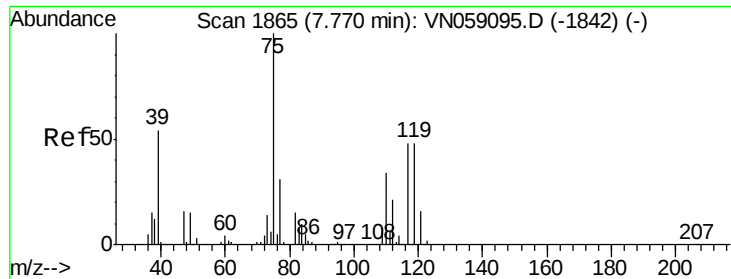


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

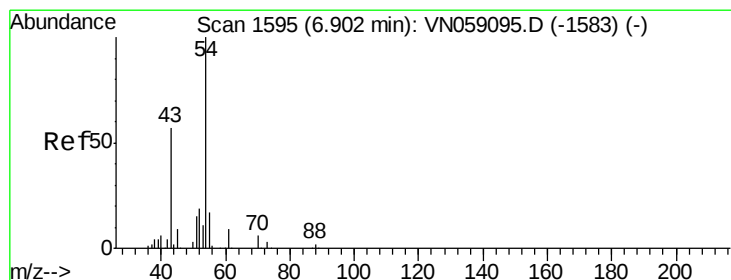
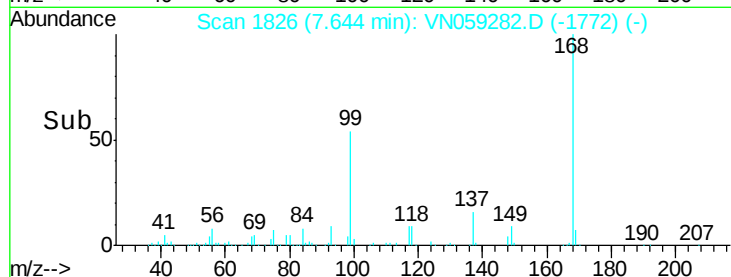
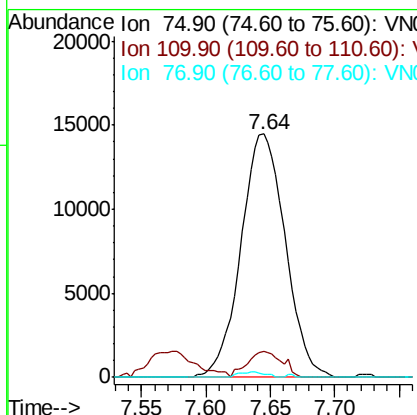
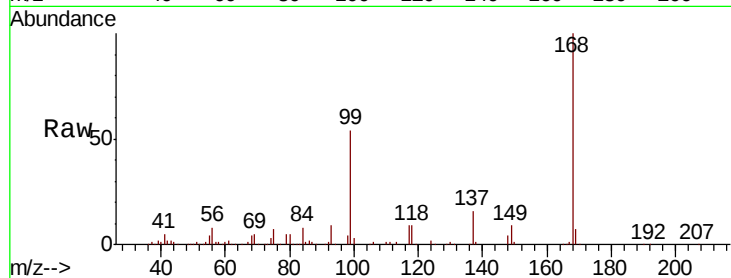




#36
 1,1-Dichloropropene
 Concen: 4.976 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

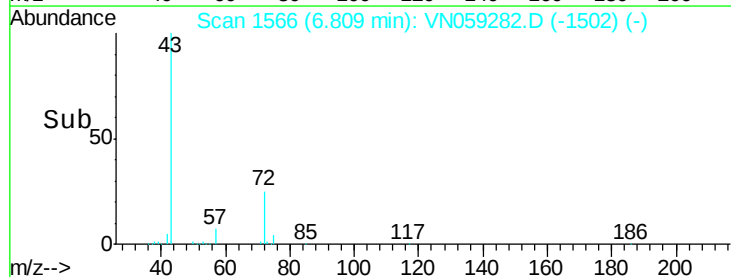
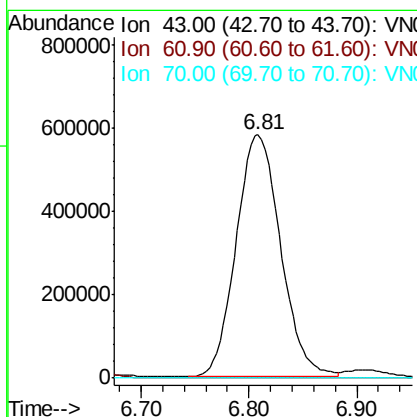
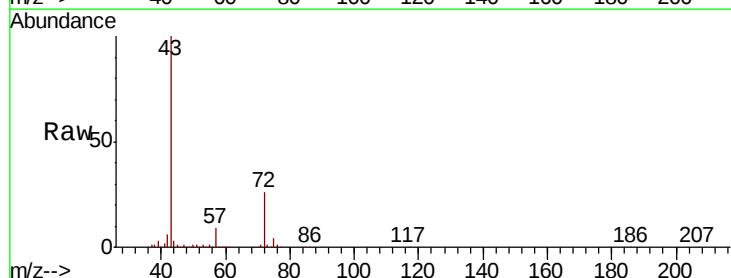
Instrument :
 MSVOA_N
 ClientSampleId :

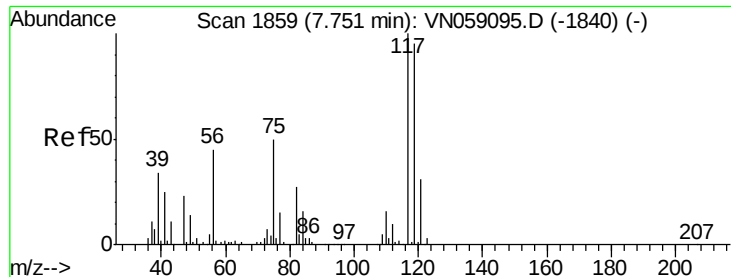
Tot Ion	75	Resp	34622
Ion Ratio	Lower	Upper	
75	100		
110	8.3	17.1	51.2#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 214.797 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

Tgt Ion	43	Resp	1662490
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.2	16.8#
70	0.1	7.8	11.8#





#38

Carbon Tetrachloride

Concen: 6.240 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

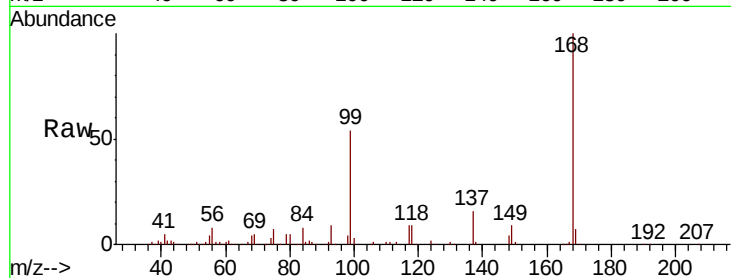
Tot Ion:117 Resp: 43209

Ion Ratio Lower Upper

117 100

119 4.7 75.6 113.4#

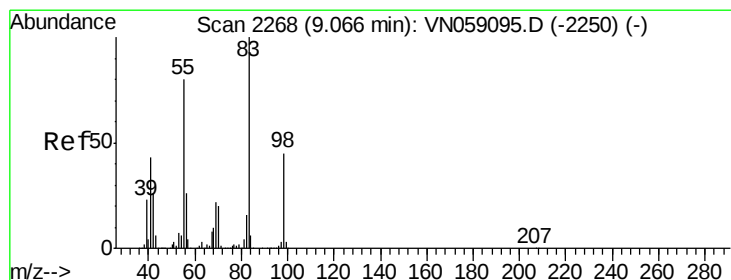
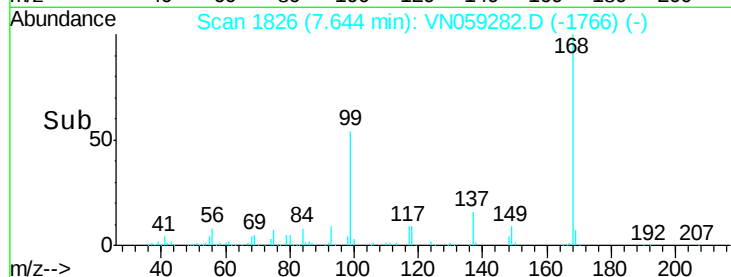
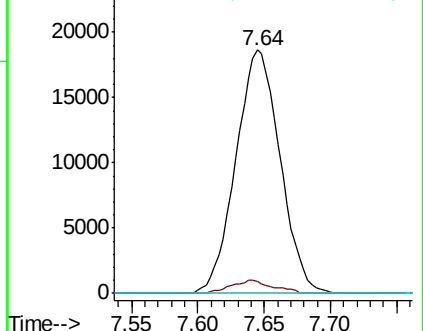
121 0.0 24.6 36.8#



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



#39

Methylcyclohexane

Concen: 4.689 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

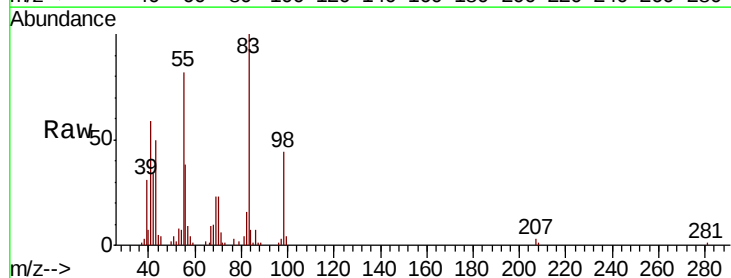
Tgt Ion: 83 Resp: 37860

Ion Ratio Lower Upper

83 100

55 72.0 63.9 95.9

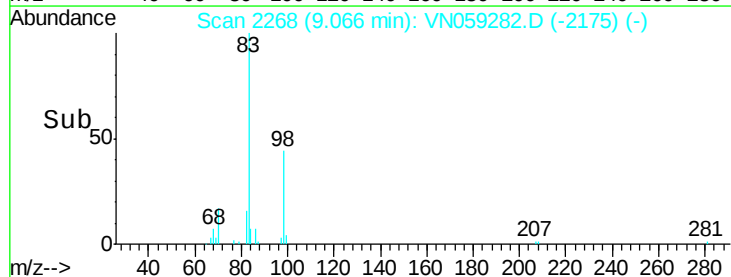
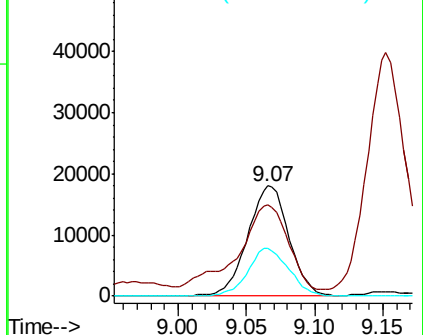
98 43.9 35.6 53.4

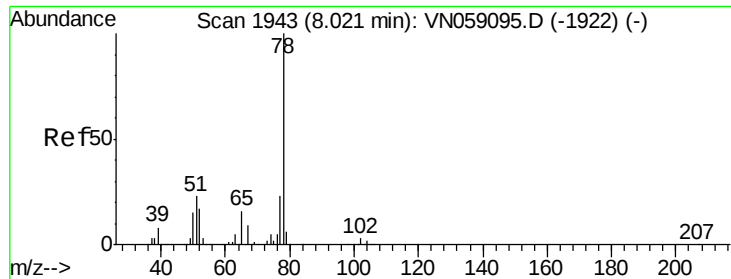


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 297.037 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

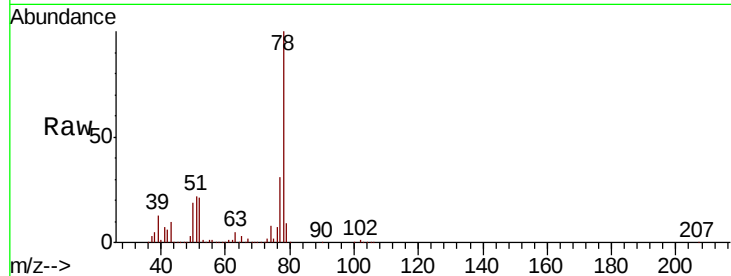
ClientSampled :

Tot Ion: 78 Resp: 6223204

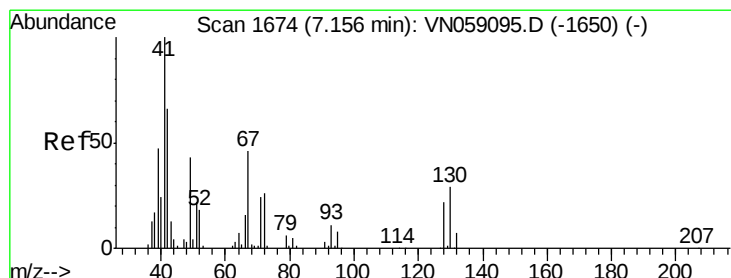
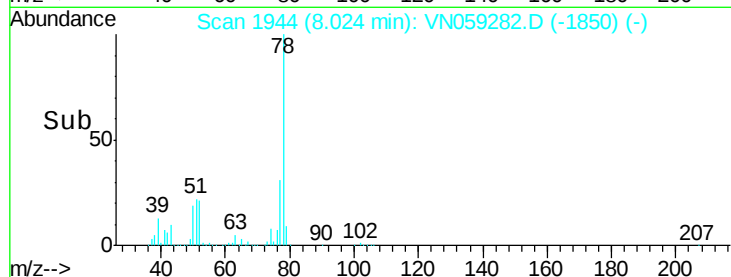
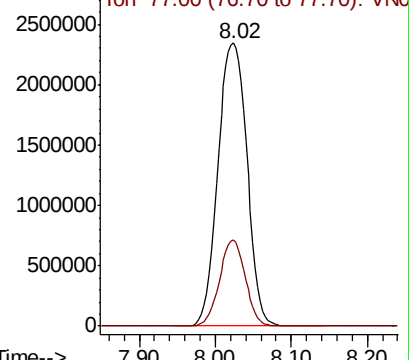
Ion Ratio Lower Upper

78 100

77 30.5 18.8 28.2#



Abundance Ion 78.00 (77.70 to 78.70): VN059095.D (-1922) (-)



#41

Methacrylonitrile

Concen: 17.255 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.04 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Tgt Ion: 41 Resp: 58072

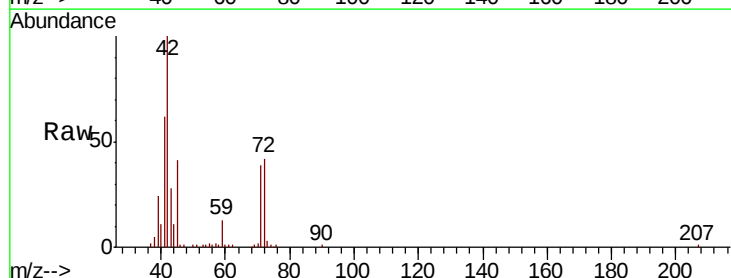
Ion Ratio Lower Upper

41 100

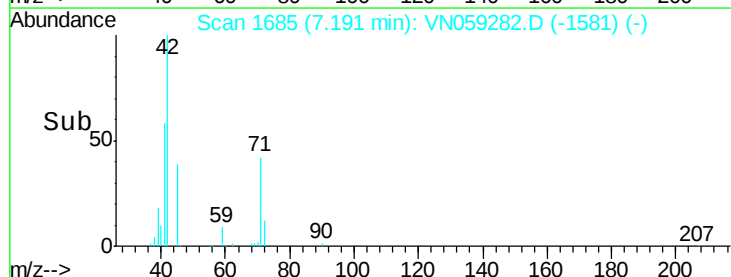
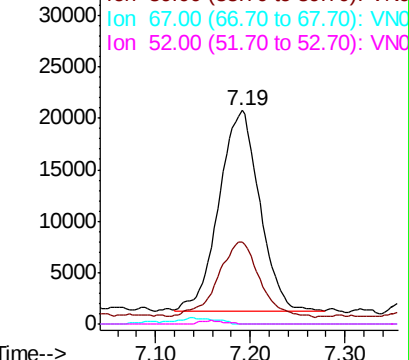
39 39.1 0.0 0.0#

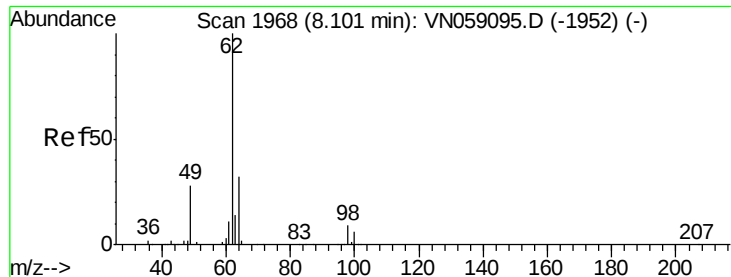
67 0.0 0.0 0.0

52 0.0 0.0 0.0



Abundance Ion 41.00 (40.70 to 41.70): VN059095.D (-1650) (-)





#42

1,2-Dichloroethane

Concen: 7.821 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.08 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

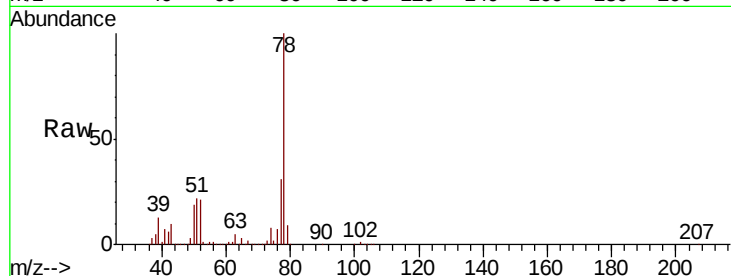
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 62 Resp: 56196

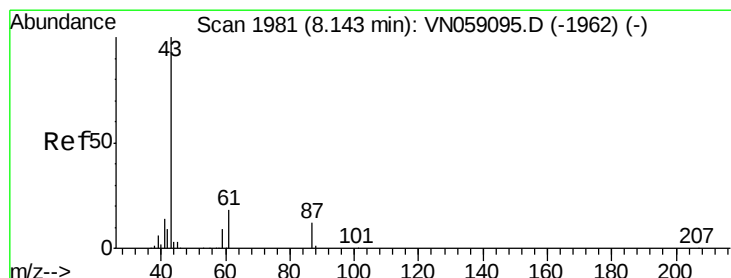
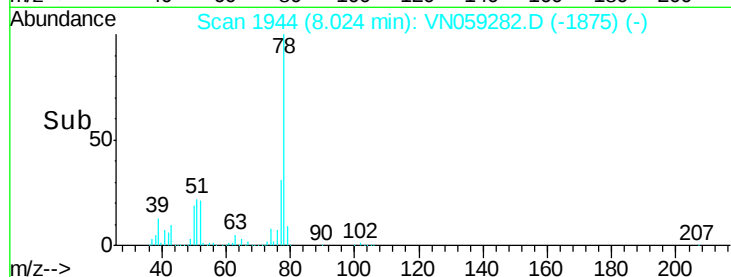
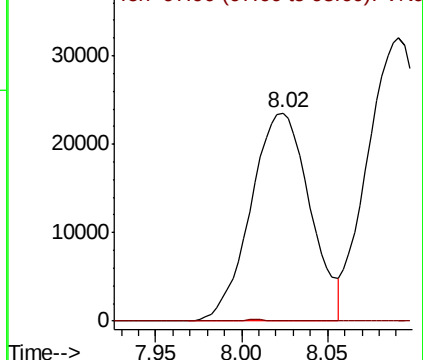
Ion Ratio Lower Upper

62 100

98 0.2 0.0 17.8



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



#43

Isopropyl Acetate

Concen: 357.693 ug/l

RT: 7.99 min Scan# 1934

Delta R.T. -0.15 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

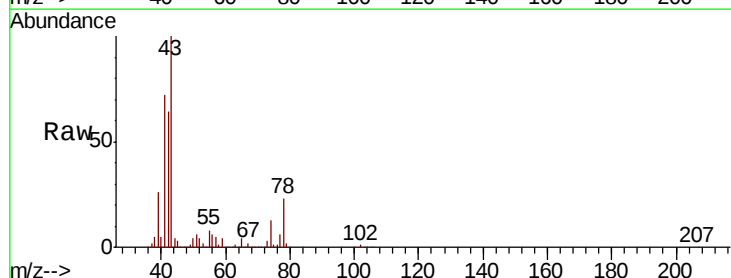
Tgt Ion: 43 Resp: 4413651

Ion Ratio Lower Upper

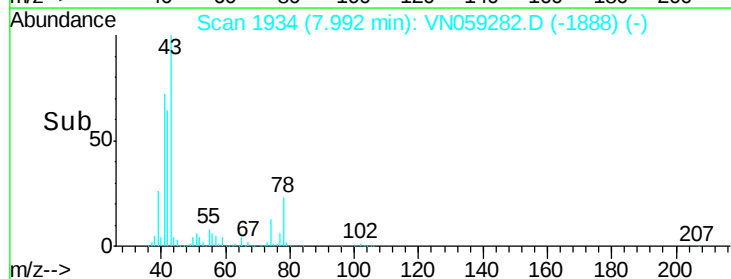
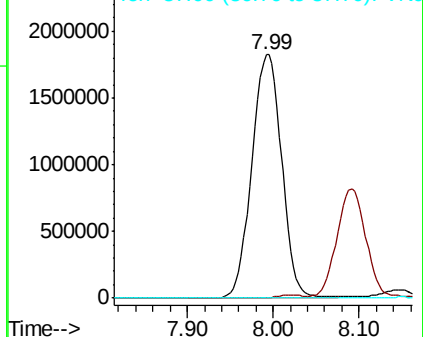
43 100

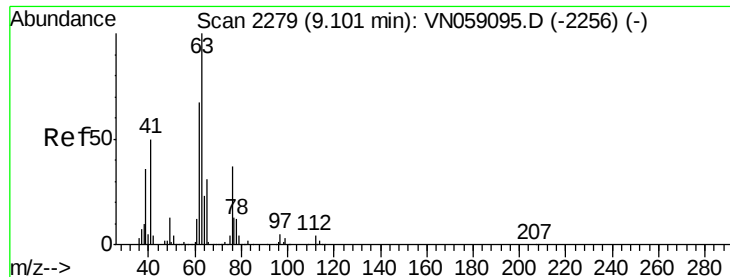
61 0.0 21.0 31.6#

87 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 1.201 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.02 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

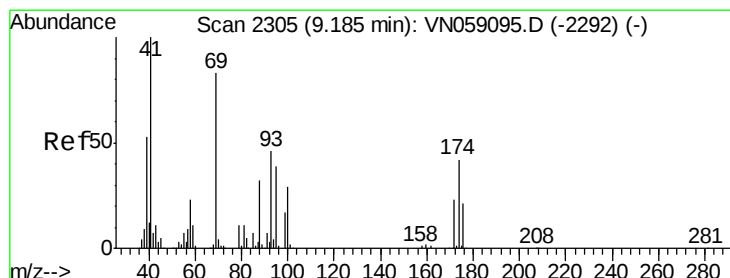
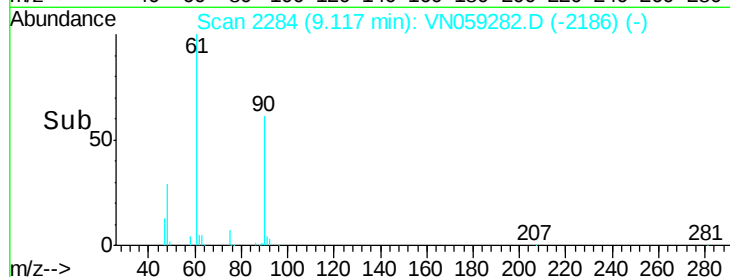
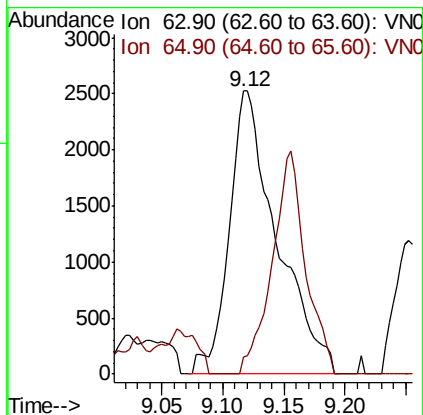
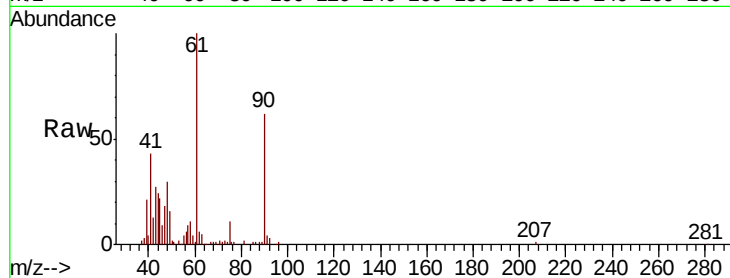
ClientSampleId :

Tot Ion: 63 Resp: 6832

Ion Ratio Lower Upper

63 100

65 6.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 94.462 ug/l

RT: 9.15 min Scan# 2295

Delta R.T. -0.03 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

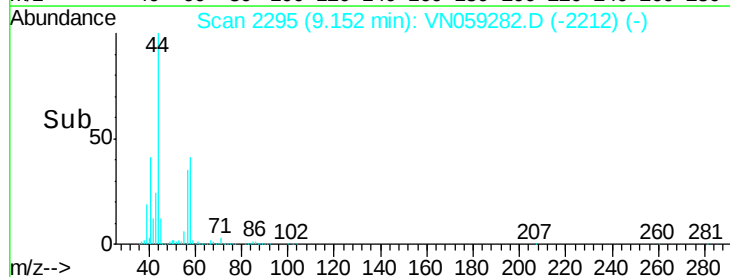
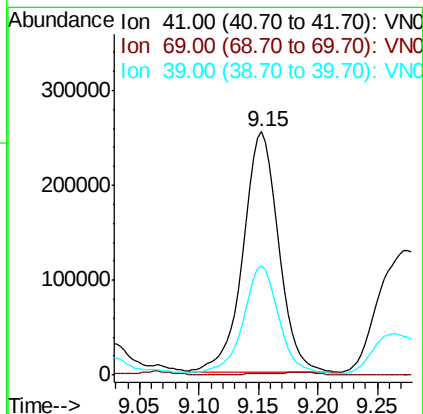
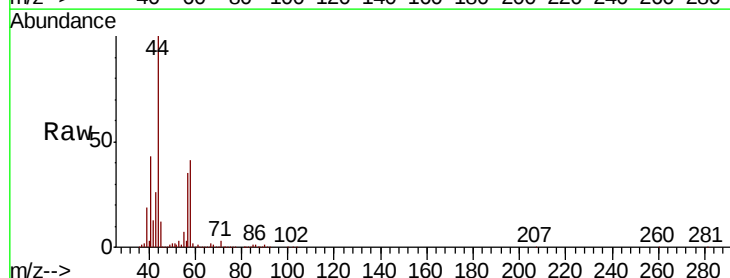
Tgt Ion: 41 Resp: 521365

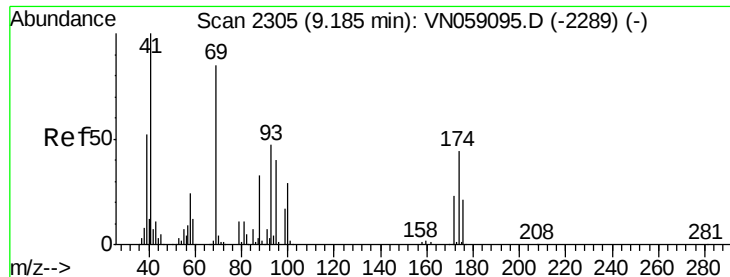
Ion Ratio Lower Upper

41 100

69 0.5 67.3 100.9#

39 44.5 43.3 64.9





#49

1,4-Dioxane

Concen: 658.087 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :
MSVOA_N
ClientSampled :

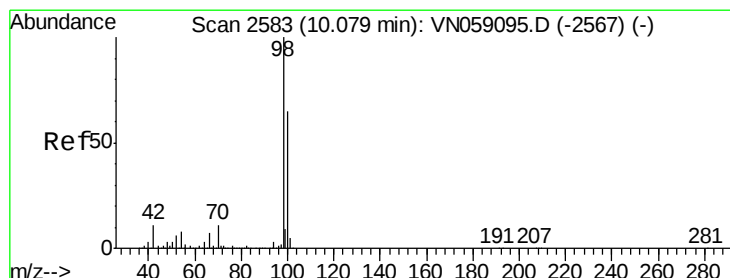
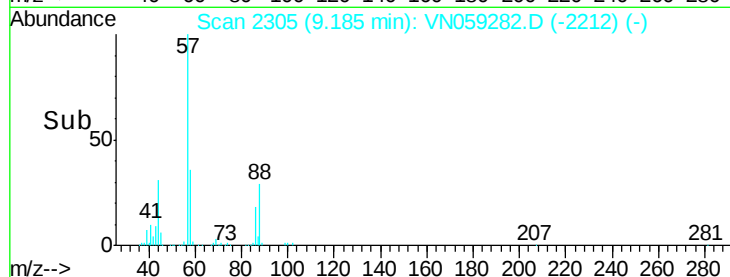
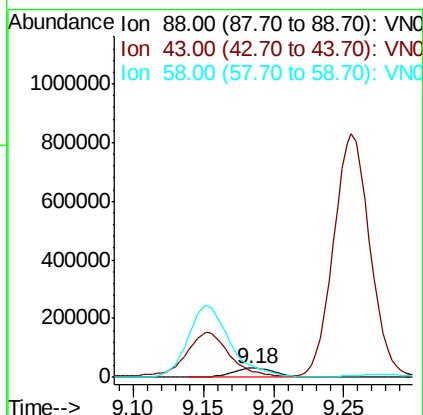
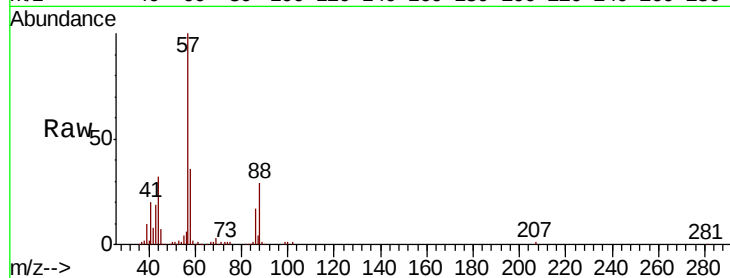
Tot Ion: 88 Resp: 64549

Ion Ratio Lower Upper

88 100

43 0.0 26.3 39.5#

58 0.0 60.6 90.8#



#50

Toluene-d8

Concen: 52.061 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059282.D

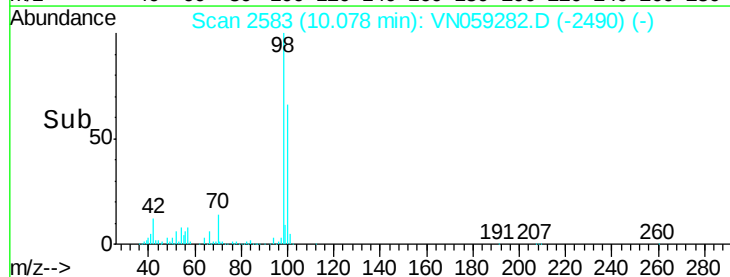
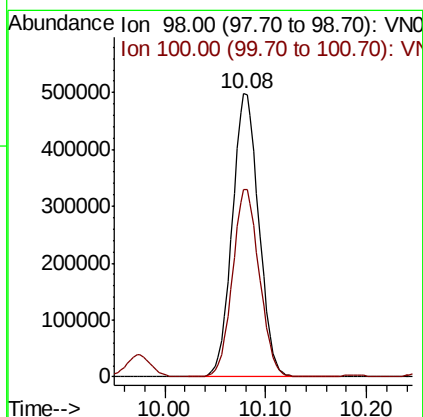
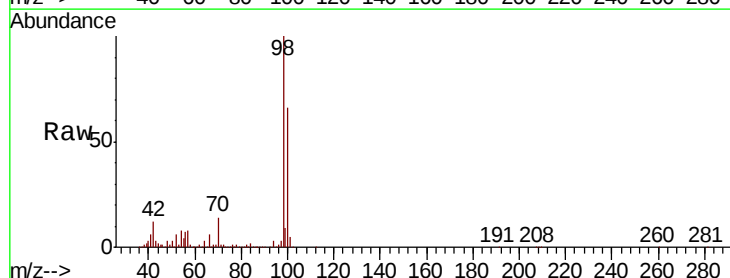
Acq: 18 Nov 2019 14:38

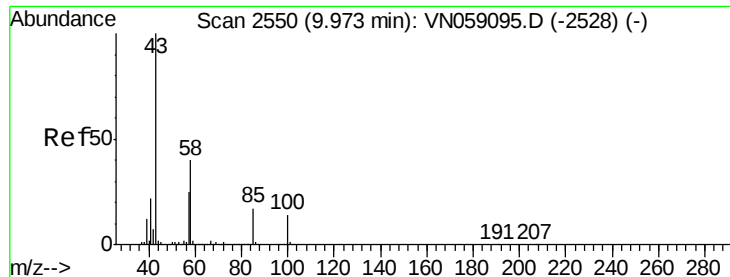
Tgt Ion: 98 Resp: 911384

Ion Ratio Lower Upper

98 100

100 67.0 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 67.115 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

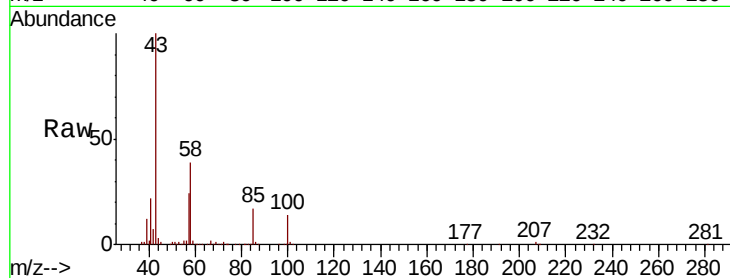
ClientSampled :

Tot Ion: 43 Resp: 468584

Ion Ratio Lower Upper

43 100

58 40.4 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

250000

200000

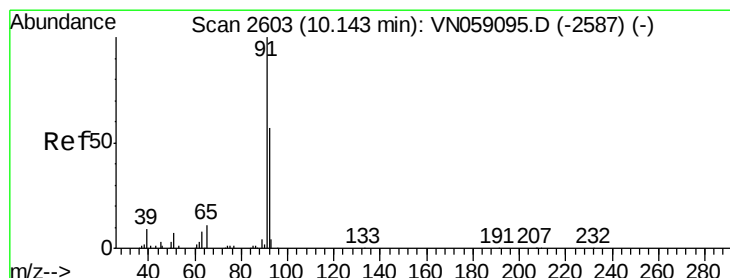
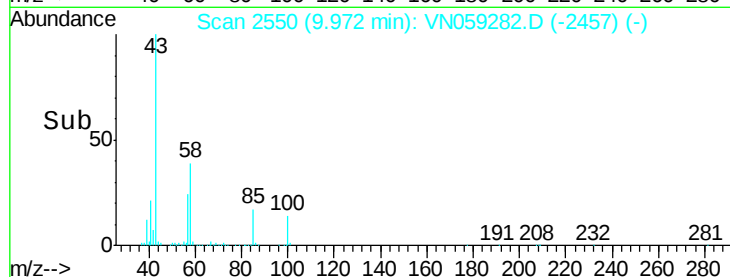
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 369.352 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059282.D

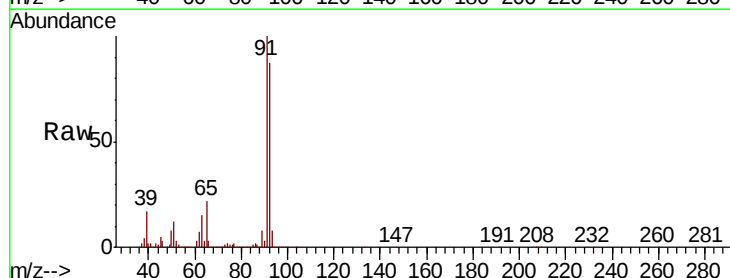
Acq: 18 Nov 2019 14:38

Tgt Ion: 92 Resp: 4638092

Ion Ratio Lower Upper

92 100

91 133.0 139.5 209.3#



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

10.15

2500000

2000000

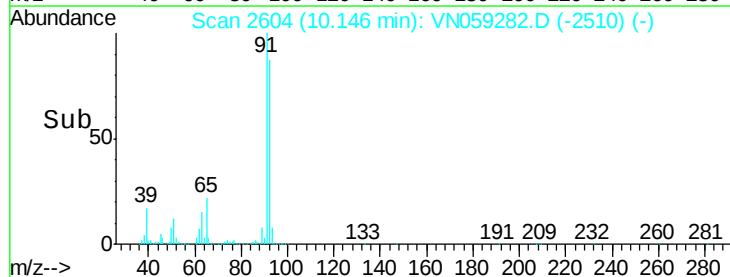
1500000

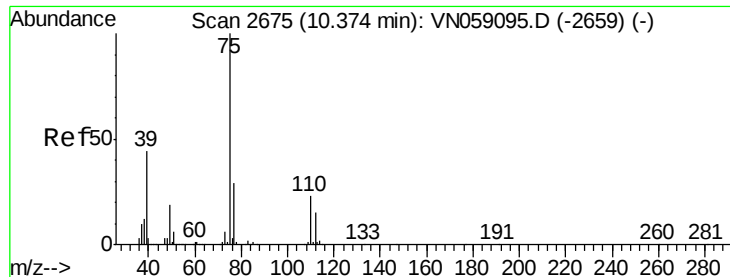
1000000

500000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 1.923 ug/l

RT: 10.45 min Scan# 2699

Delta R.T. 0.08 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

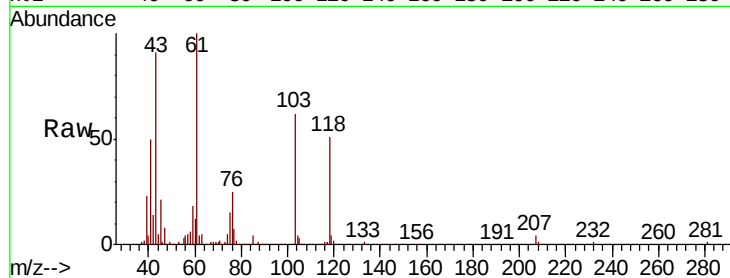
ClientSampled :

Tot Ion: 75 Resp: 15732

Ion Ratio Lower Upper

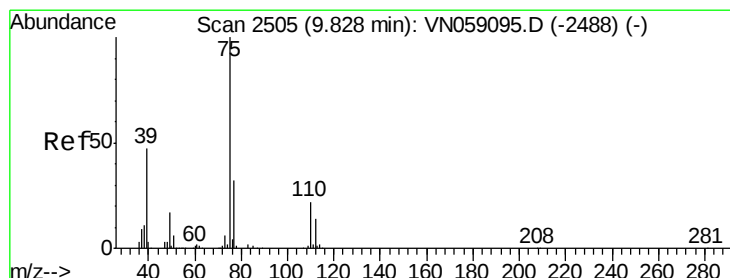
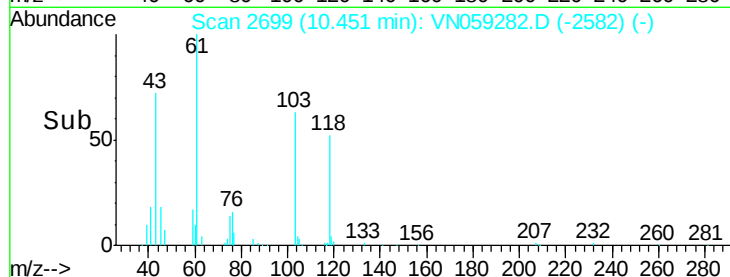
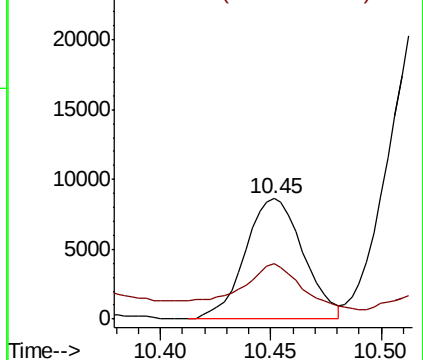
75 100

77 35.1 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.638 ug/l

RT: 9.80 min Scan# 2496

Delta R.T. -0.03 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

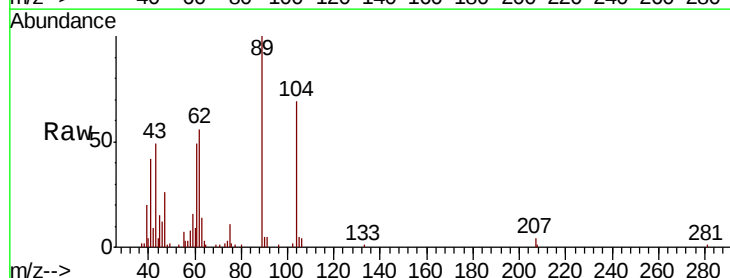
Tgt Ion: 75 Resp: 5615

Ion Ratio Lower Upper

75 100

77 7.3 25.5 38.3#

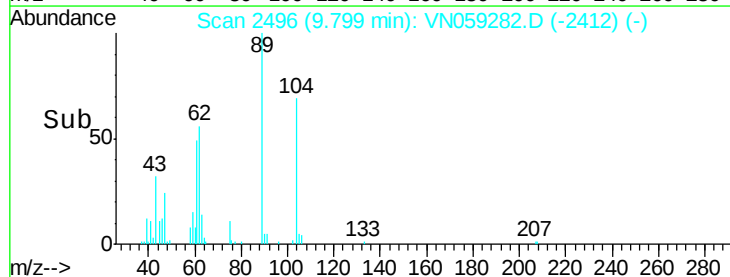
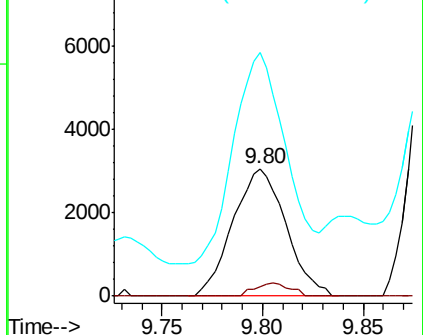
39 166.0 37.3 55.9#

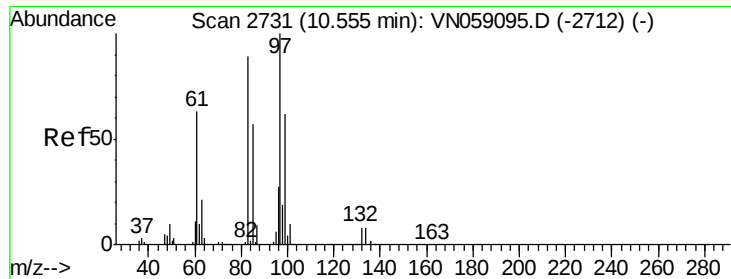


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 0.297 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. -0.04 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 1508

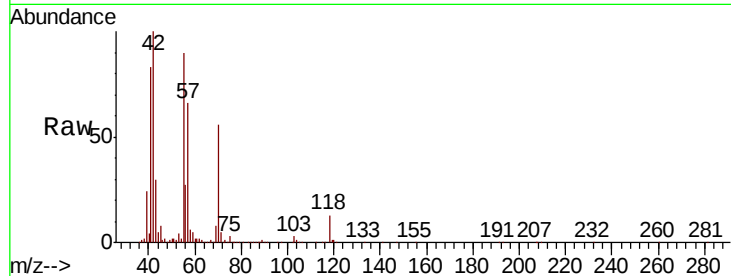
Ion Ratio Lower Upper

97 100

83 40.1 71.0 106.4#

85 11.3 45.8 68.8#

99 0.0 49.4 74.0#

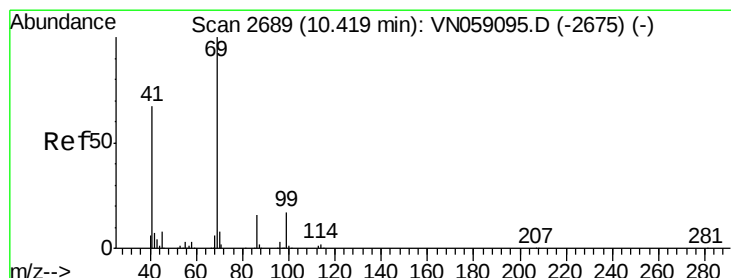
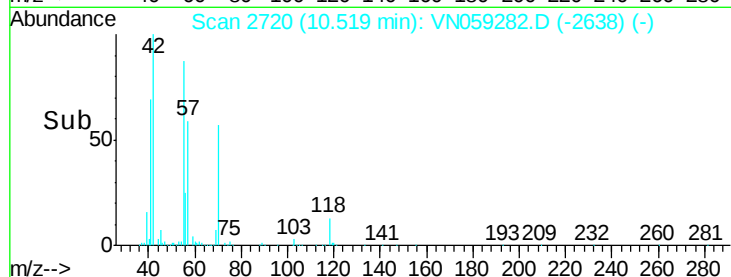
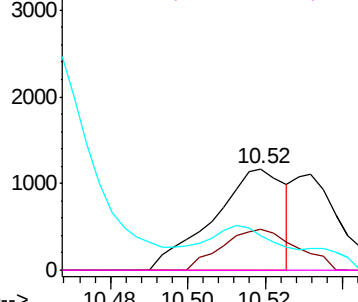


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 9.378 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.07 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

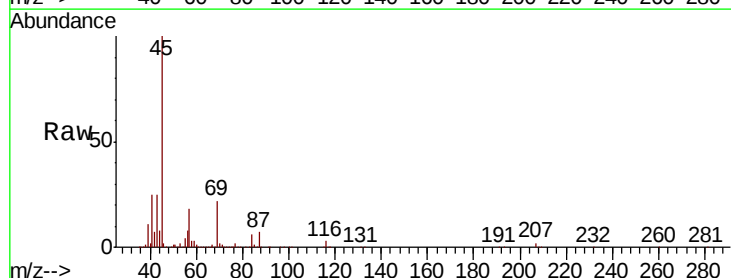
Tgt Ion: 69 Resp: 66091

Ion Ratio Lower Upper

69 100

41 112.8 53.6 80.4#

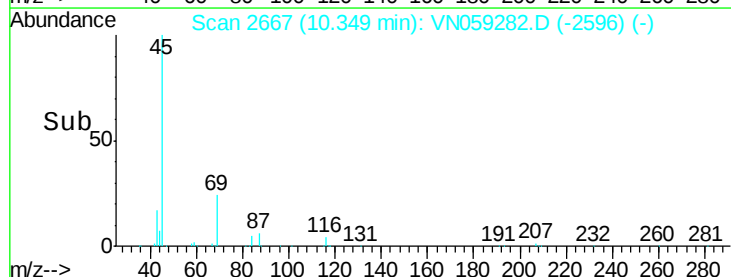
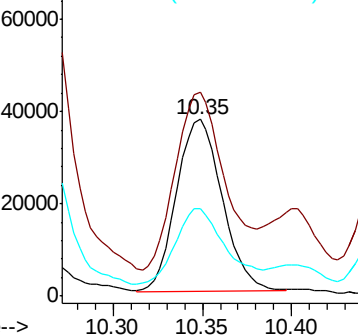
39 48.3 26.2 39.4#

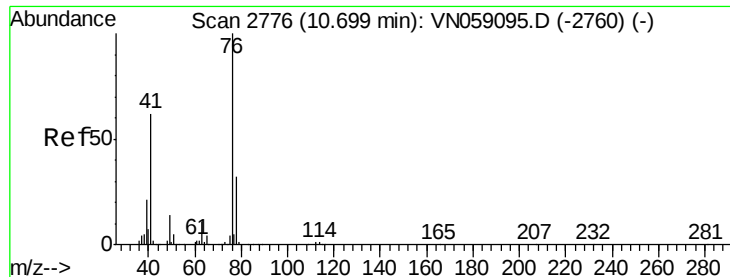


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

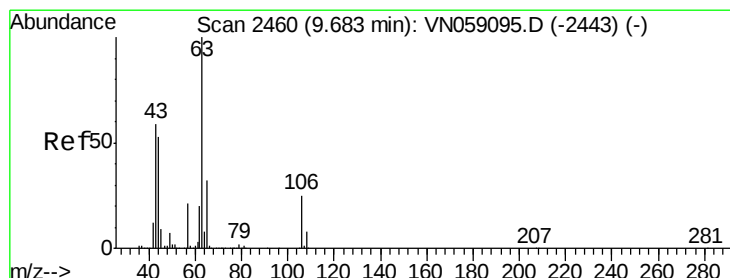
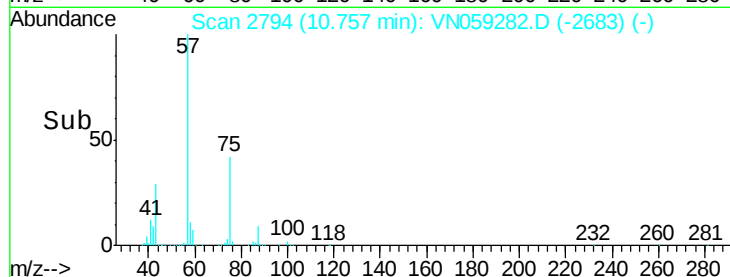
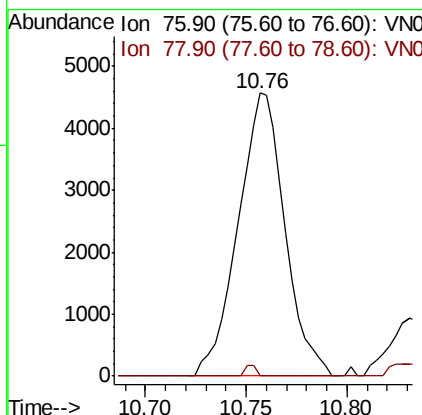
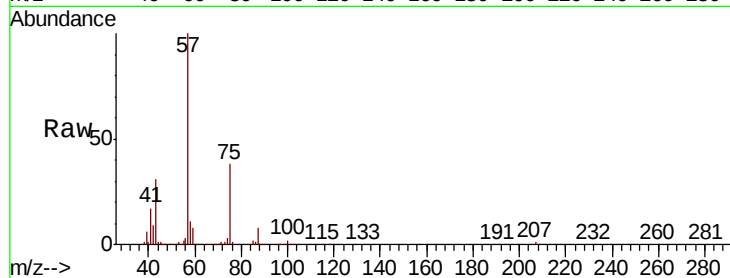




#57
 1,3-Dichloropropane
 Concen: 0.846 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

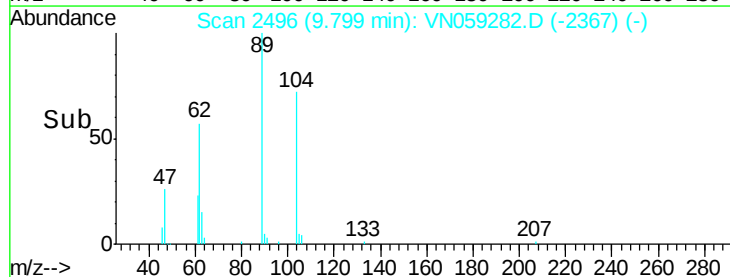
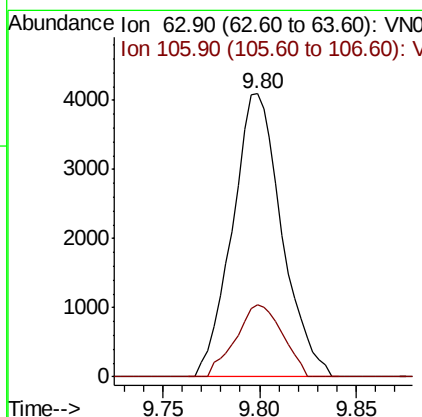
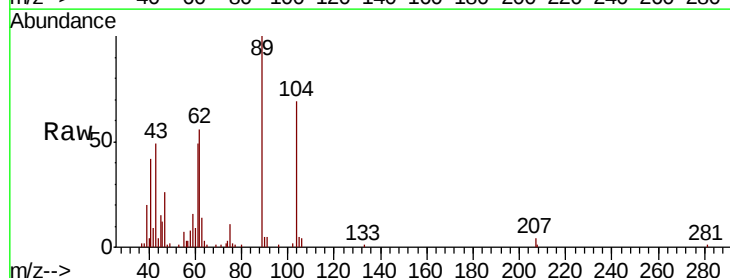
Instrument :
 MSVOA_N
 ClientSampleId :

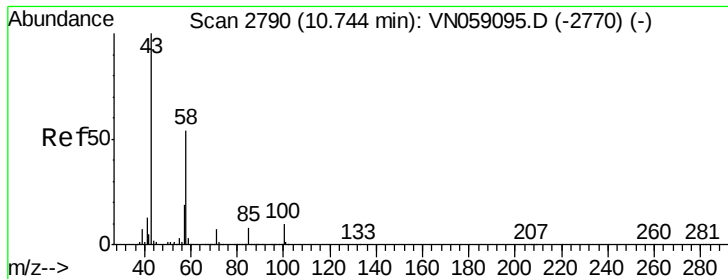
Tot Ion: 76 Resp: 7401
 Ion Ratio Lower Upper
 76 100
 78 0.9 25.8 38.8#



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.574 ug/l
 RT: 9.80 min Scan# 2496
 Delta R.T. 0.12 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

Tgt Ion: 63 Resp: 7279
 Ion Ratio Lower Upper
 63 100
 106 24.1 20.2 30.2

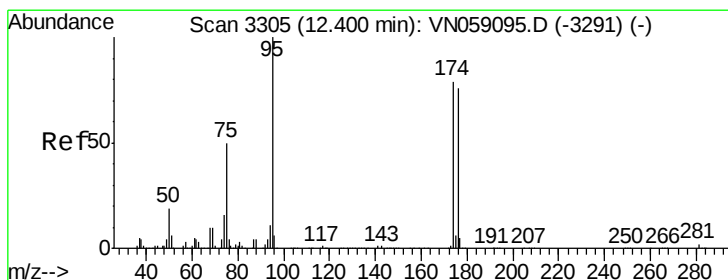
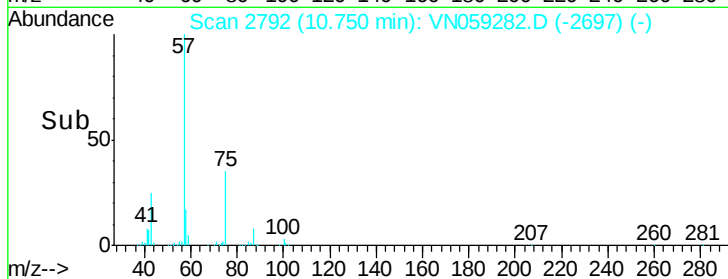
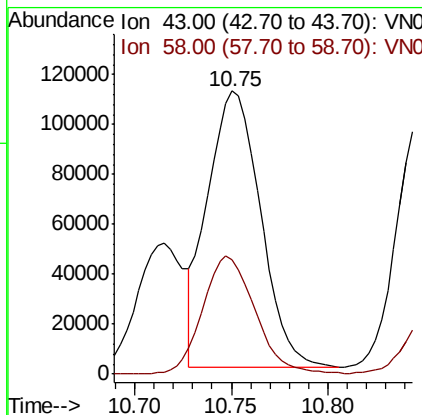
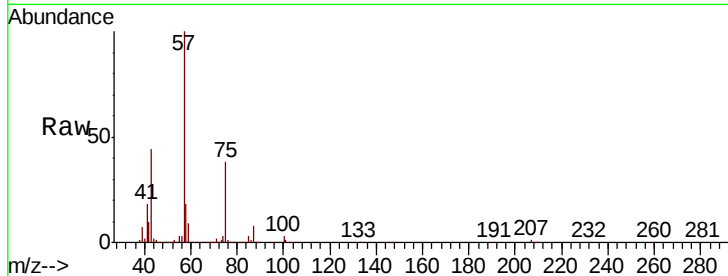




#59
2-Hexanone
Concen: 39.298 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.01 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

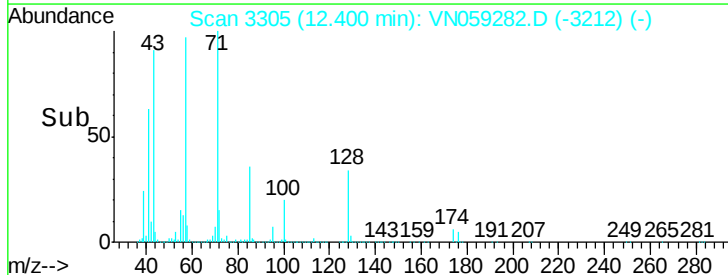
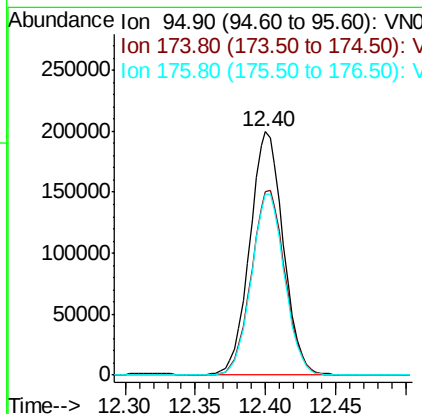
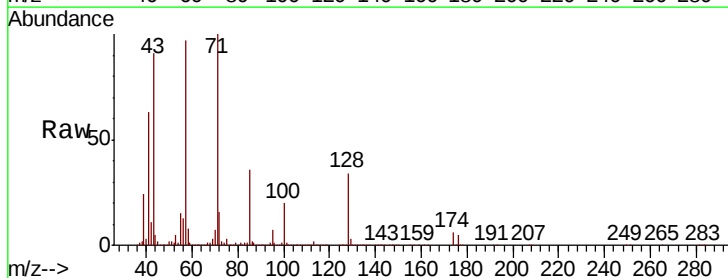
Instrument :
MSVOA_N
ClientSampleId :

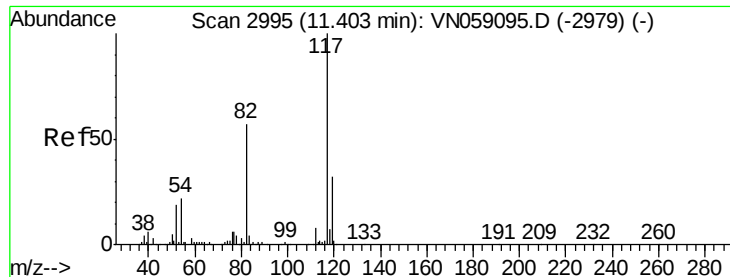
Tot Ion: 43 Resp: 210592
Ion Ratio Lower Upper
43 100
58 42.0 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 52.225 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

Tgt Ion: 95 Resp: 329647
Ion Ratio Lower Upper
95 100
174 76.6 0.0 158.2
176 73.9 0.0 151.8

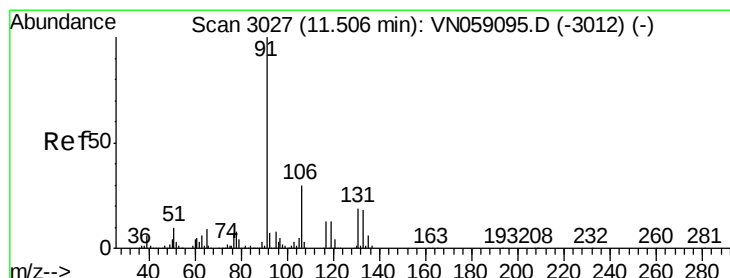
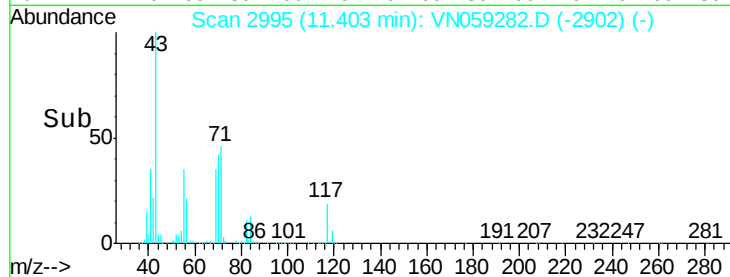
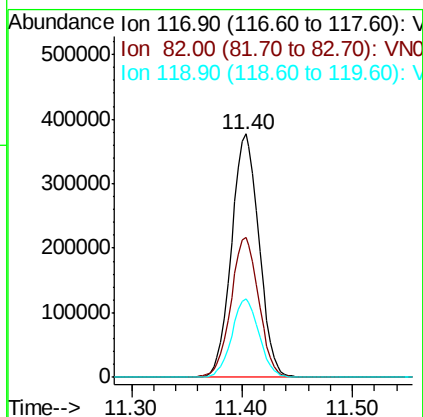
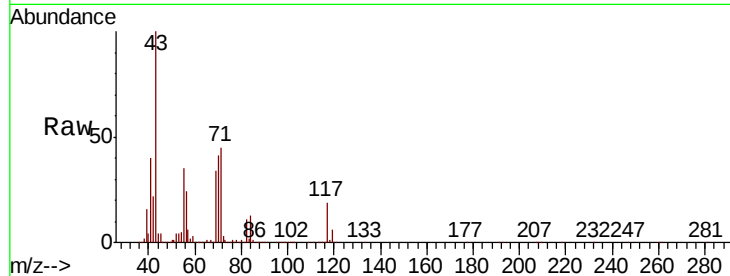




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

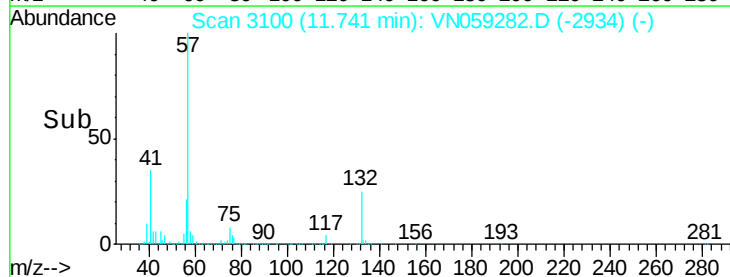
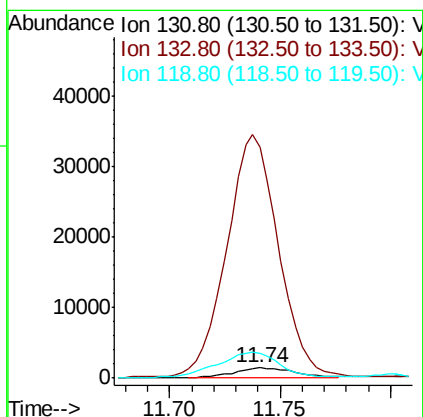
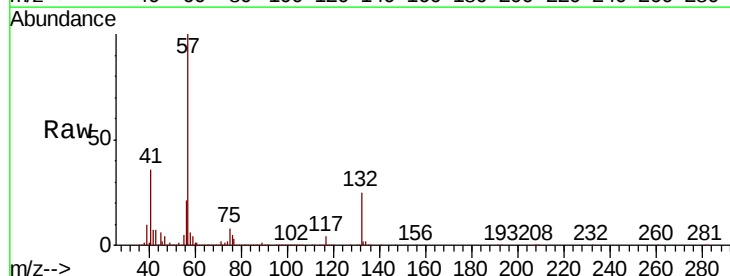
Instrument :
MSVOA_N
ClientSampled :

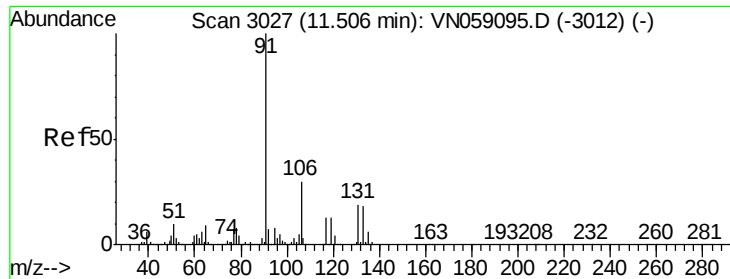
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.8
119	32.3	25.8	38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 0.594 ug/l
RT: 11.74 min Scan# 3100
Delta R.T. 0.23 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	2007.4	47.4	142.3#
119	258.6	33.2	99.6#





#67

Ethyl Benzene

Concen: 216.970 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

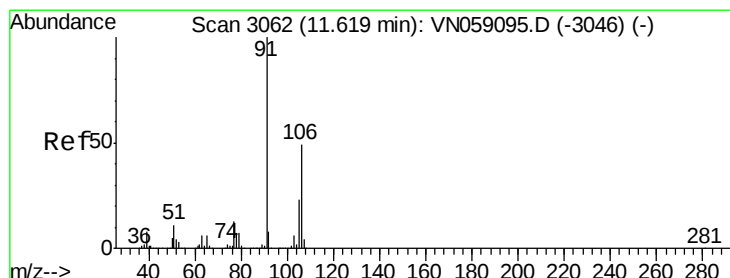
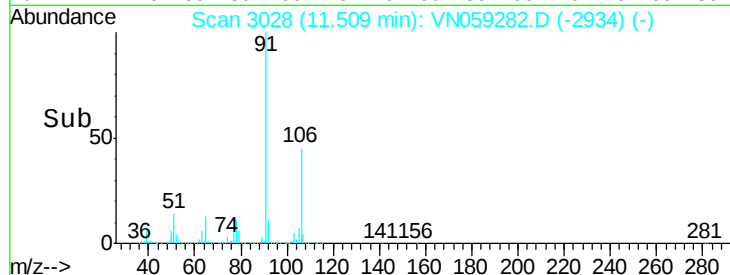
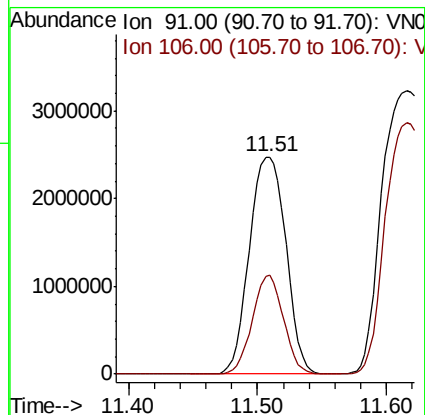
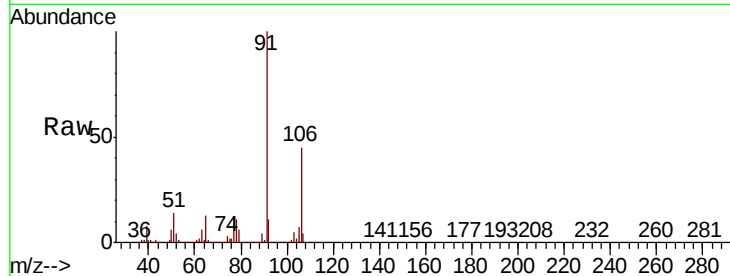
ClientSampleId :

Tot Ion: 91 Resp: 4891106

Ion Ratio Lower Upper

91 100

106 45.5 24.1 36.1#



#68

m/p-Xylenes

Concen: 813.822 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059282.D

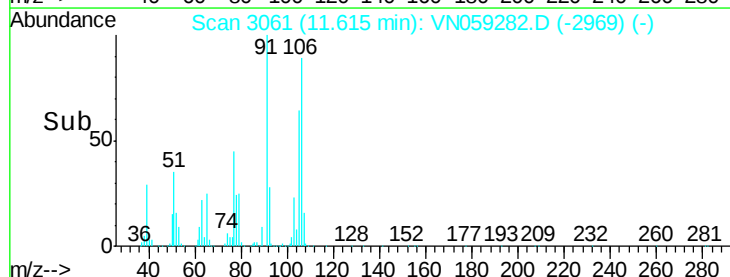
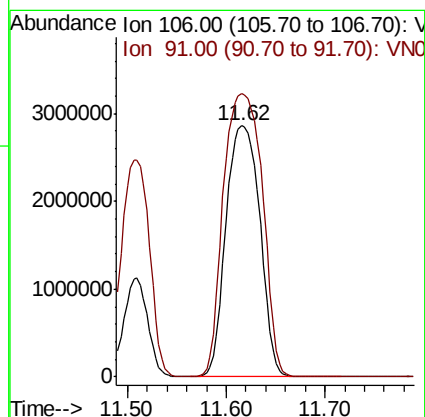
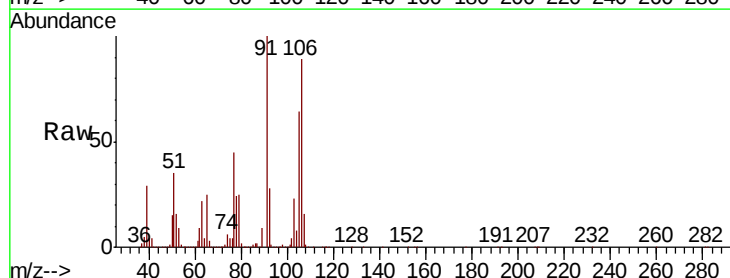
Acq: 18 Nov 2019 14:38

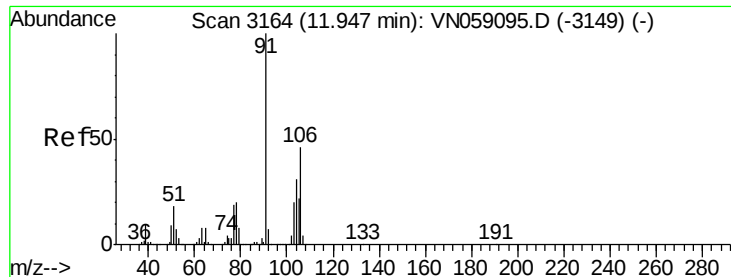
Tgt Ion: 106 Resp: 6872114

Ion Ratio Lower Upper

106 100

91 129.8 164.7 247.1#





#69

o-Xylene

Concen: 517.777 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

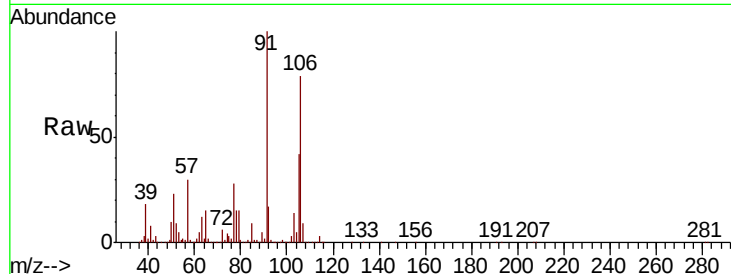
ClientSampleId :

Tot Ion:106 Resp: 4225327

Ion Ratio Lower Upper

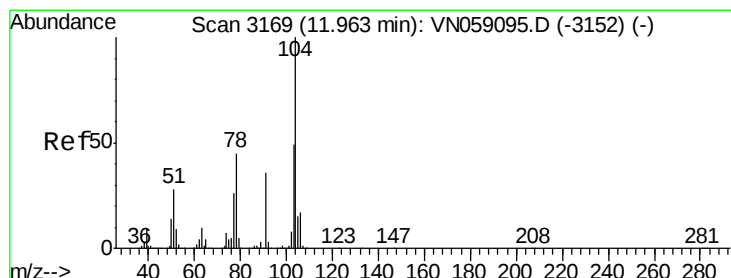
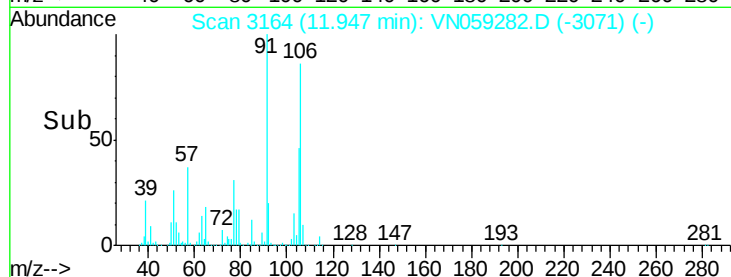
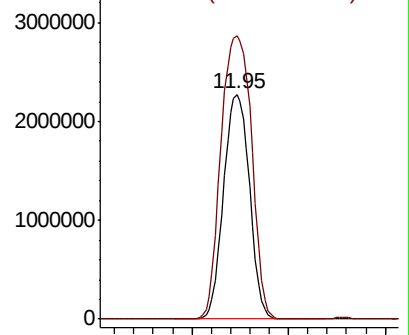
106 100

91 149.4 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 18.086 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

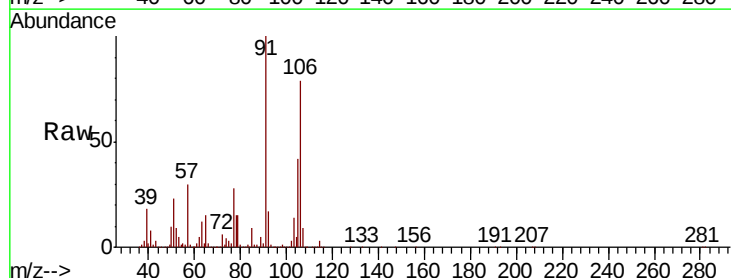
Tgt Ion:104 Resp: 232115

Ion Ratio Lower Upper

104 100

78 302.4 41.2 61.8#

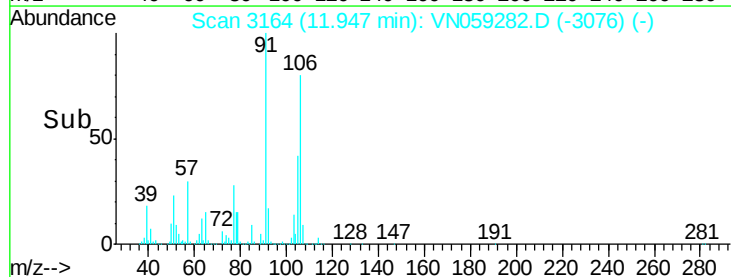
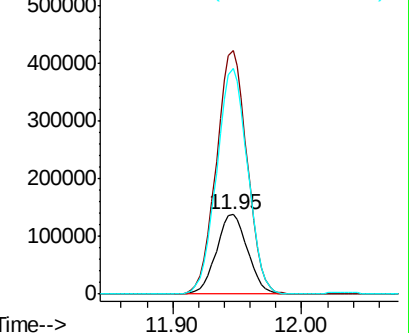
103 280.2 43.8 65.6#

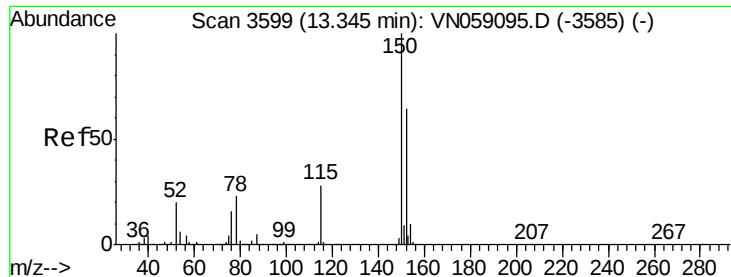


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3602

Delta R.T. 0.01 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

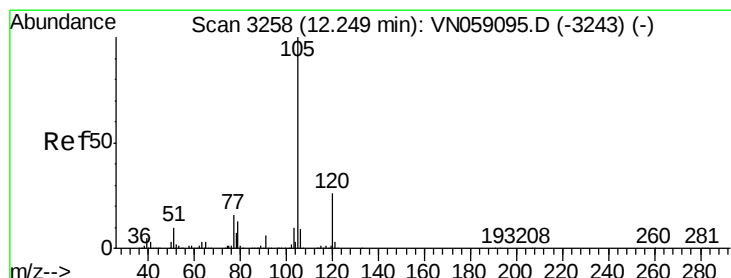
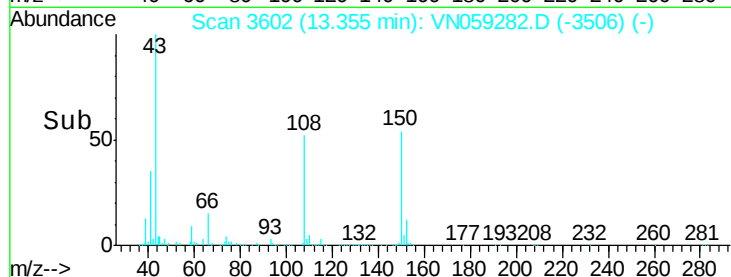
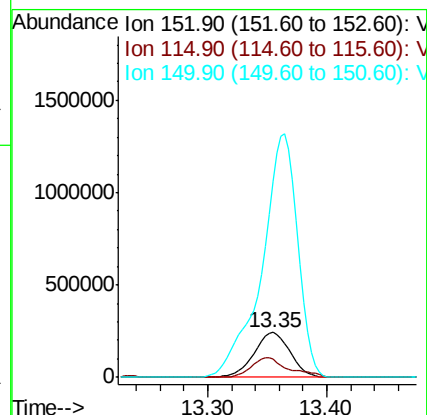
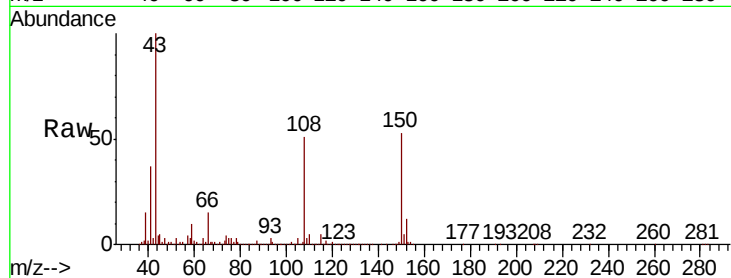
Tot Ion:152 Resp: 511772

Ion Ratio Lower Upper

152 100

115 43.6 29.4 88.2

150 536.4 0.0 345.8#



#73

Isopropylbenzene

Concen: 4.493 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059282.D

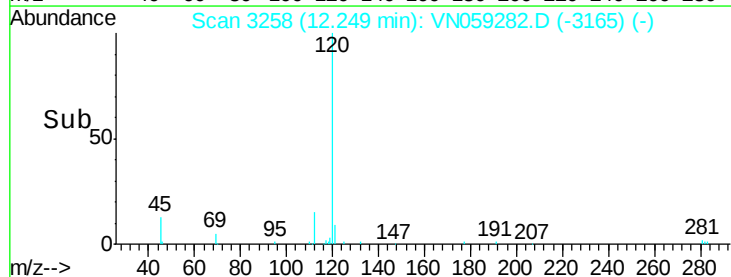
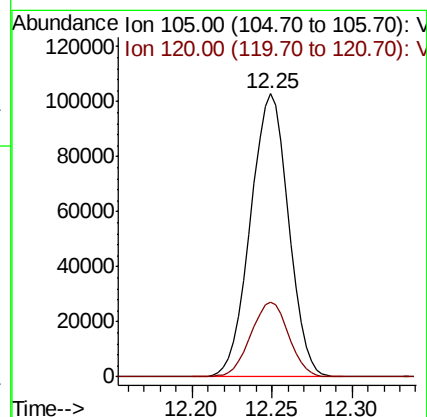
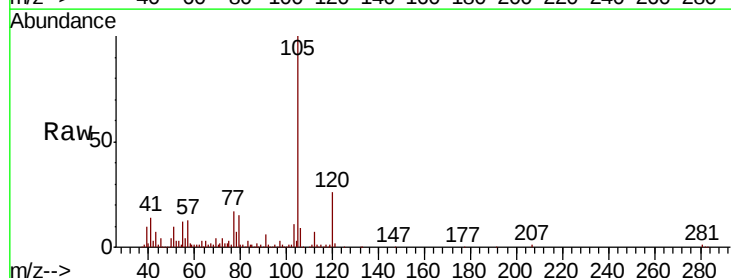
Acq: 18 Nov 2019 14:38

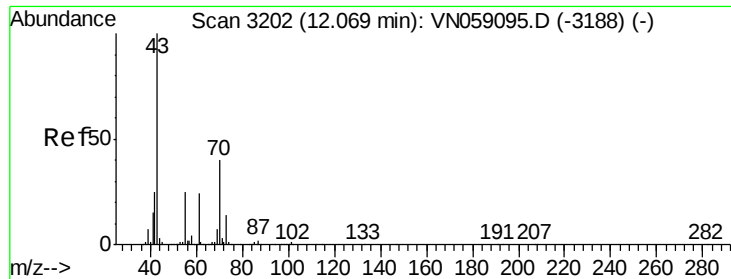
Tgt Ion:105 Resp: 167252

Ion Ratio Lower Upper

105 100

120 26.4 13.1 39.3





#74

N-amvl acetate

Concen: 125.679 ug/l

RT: 11.99 min Scan# 3179

Delta R.T. -0.07 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

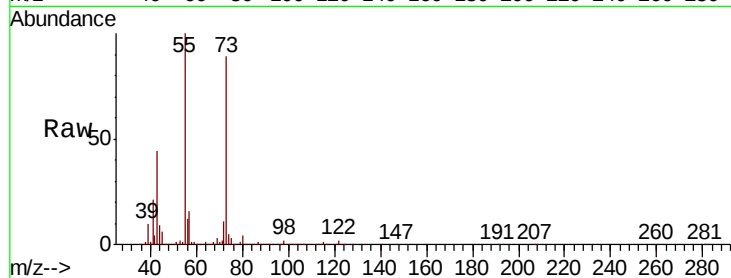
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 1982491

Ion	Ratio	Lower	Upper
43	100		
70	2.6	32.2	48.4#
55	216.4	20.4	30.6#
61	0.0	19.3	28.9#

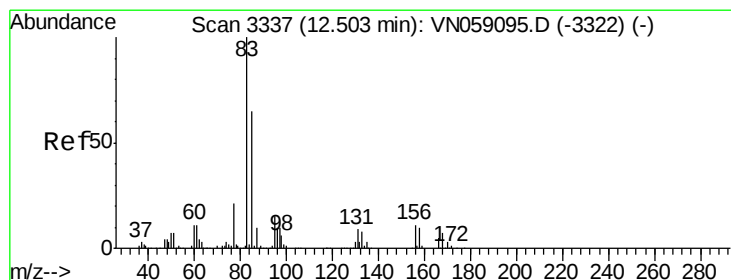
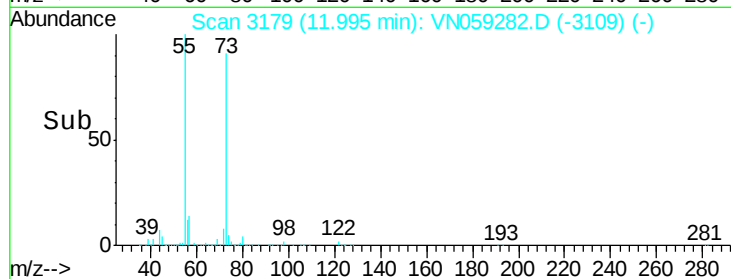
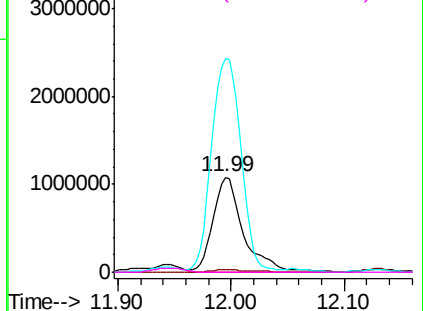


Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 35.381 ug/l

RT: 12.55 min Scan# 3351

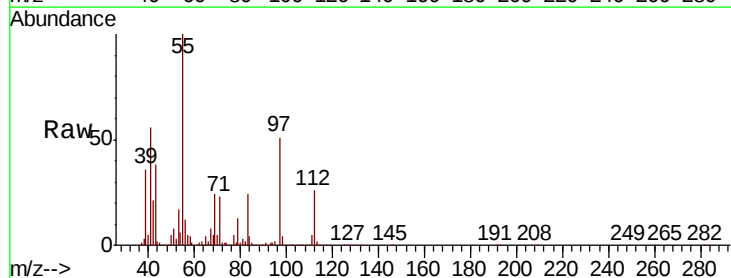
Delta R.T. 0.04 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Tgt Ion: 83 Resp: 448539

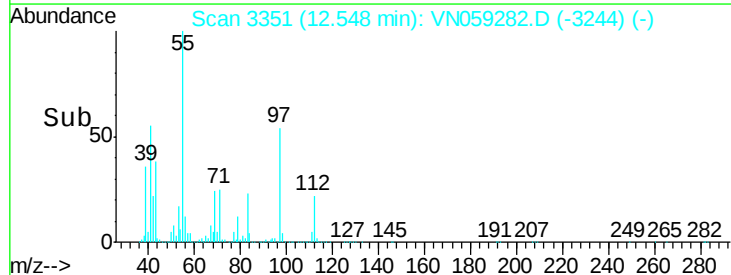
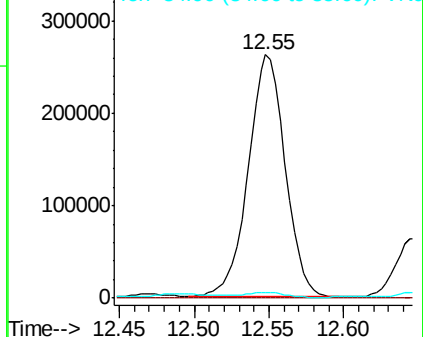
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	0.0	32.4	97.2#

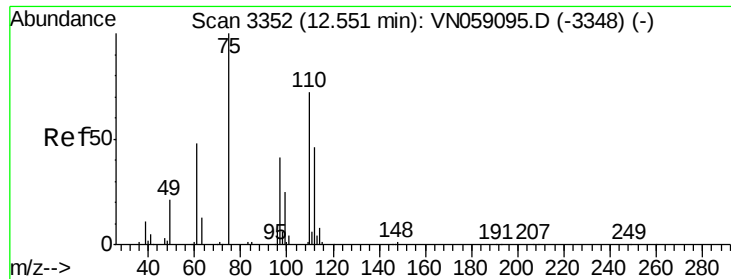


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

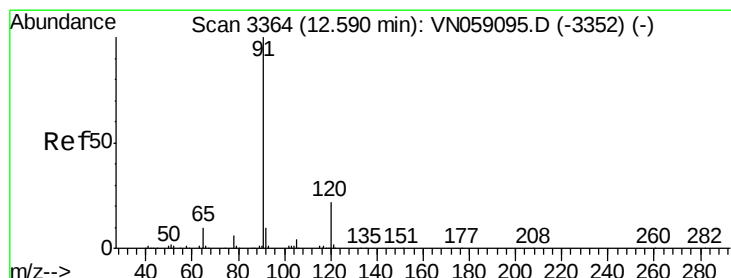
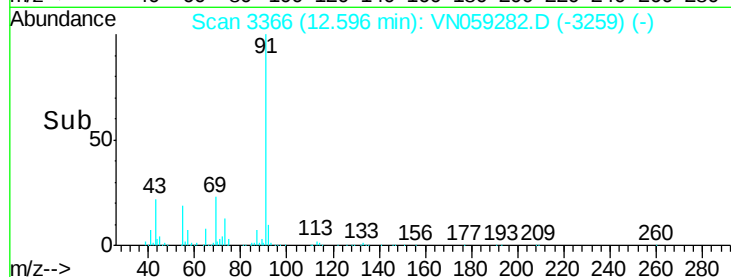
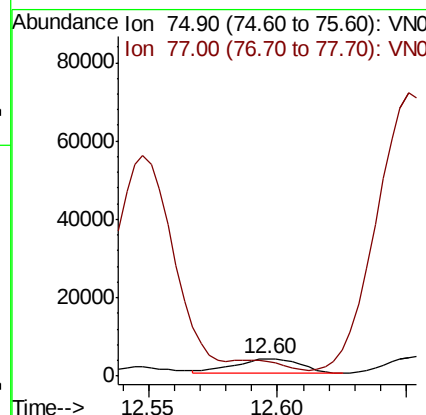
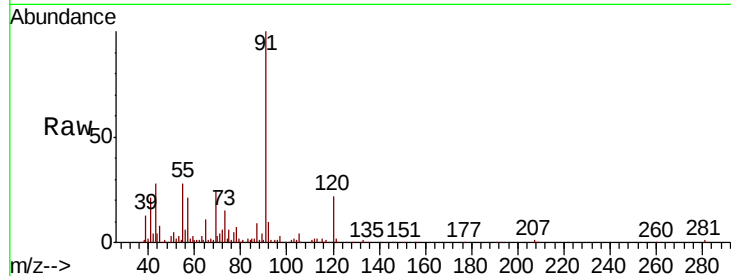




#76
 1,2,3-Trichloropropane
 Concen: 0.562 ug/l
 RT: 12.60 min Scan# 3366
 Delta R.T. 0.04 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

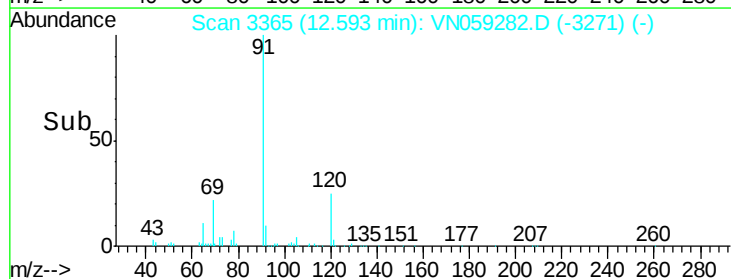
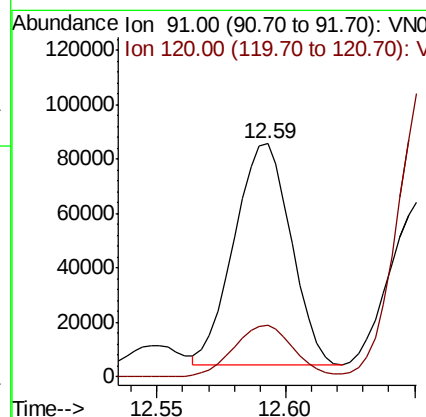
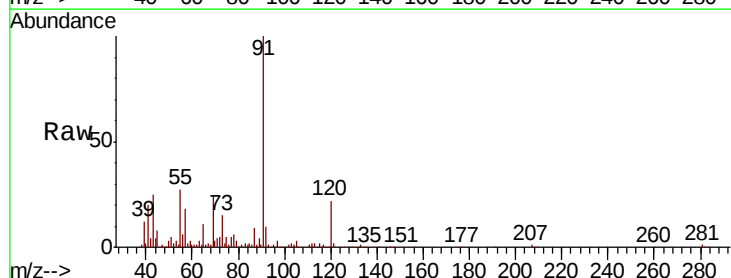
Instrument :
 MSVOA_N
 ClientSampleId :

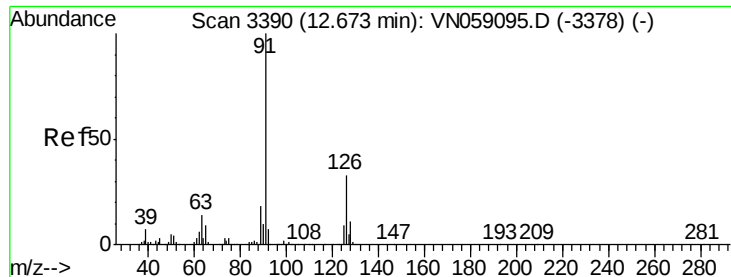
Tot Ion: 75 Resp: 6547
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#78
 n-propylbenzene
 Concen: 2.933 ug/l
 RT: 12.59 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

Tgt Ion: 91 Resp: 125018
 Ion Ratio Lower Upper
 91 100
 120 24.6 11.2 33.5

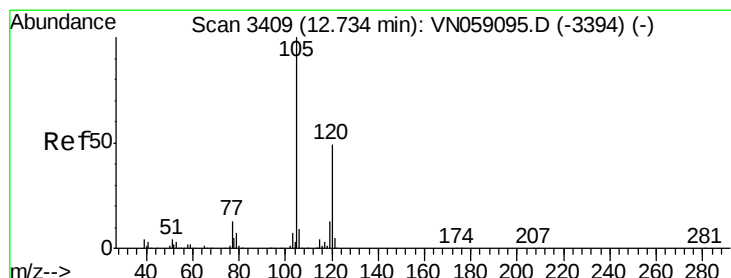
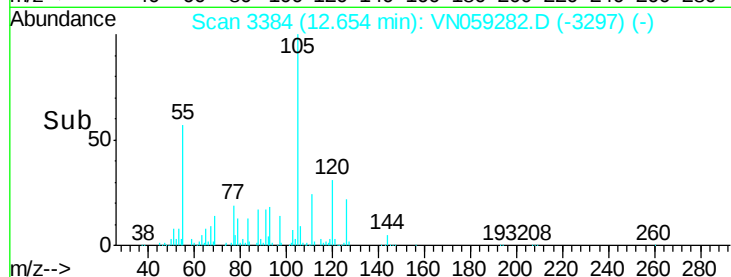
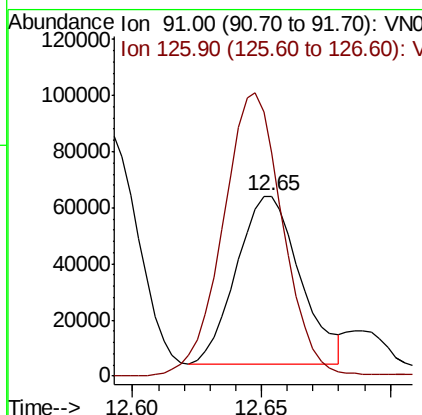
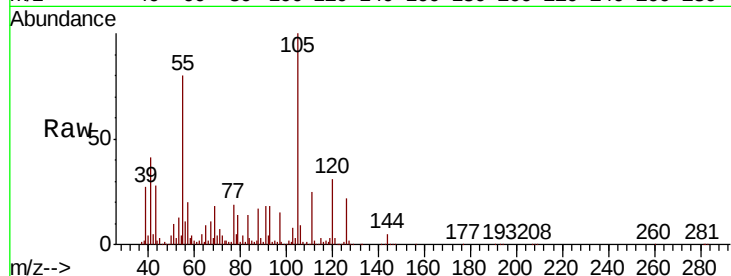




#79
2-Chlorotoluene
Concen: 3.893 ug/l
RT: 12.65 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

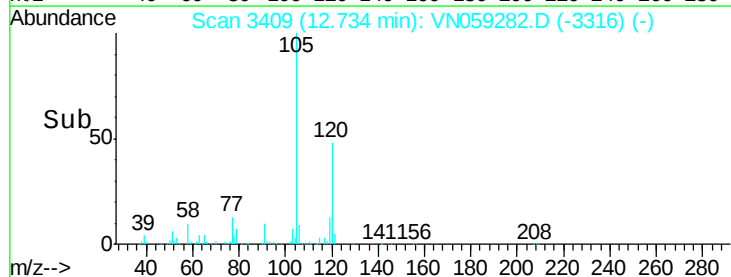
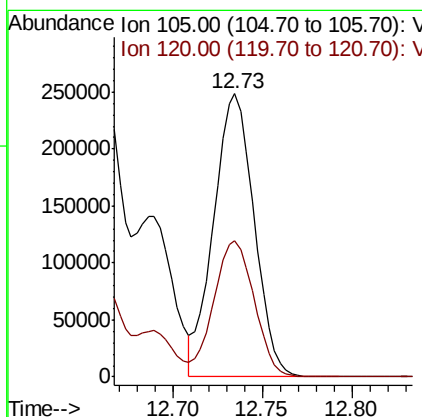
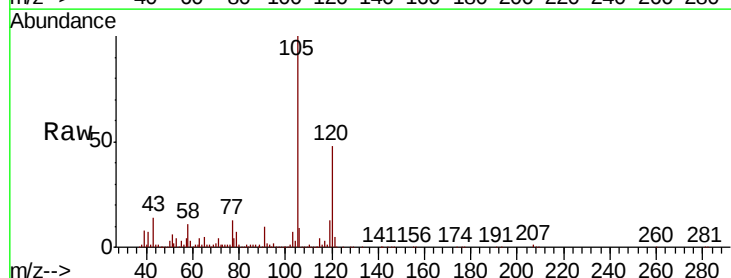
Instrument :
MSVOA_N
ClientSampleId :

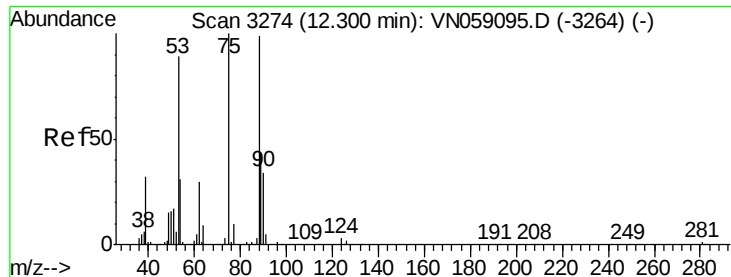
Tot Ion: 91 Resp: 102951
Ion Ratio Lower Upper
91 100
126 157.8 16.7 50.1#



#80
1,3,5-Trimethylbenzene
Concen: 12.359 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

Tgt Ion: 105 Resp: 389844
Ion Ratio Lower Upper
105 100
120 48.2 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 8.061 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.01 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

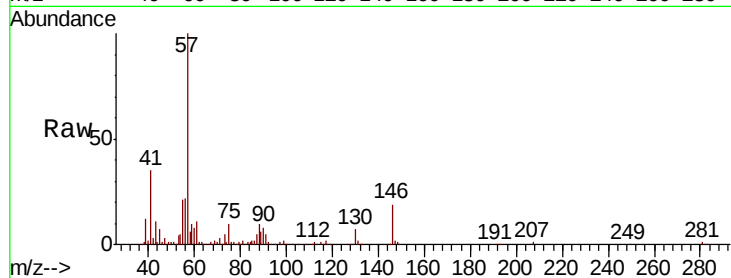
Tot Ion: 75 Resp: 35561

Ion Ratio Lower Upper

75 100

53 33.2 72.2 108.2#

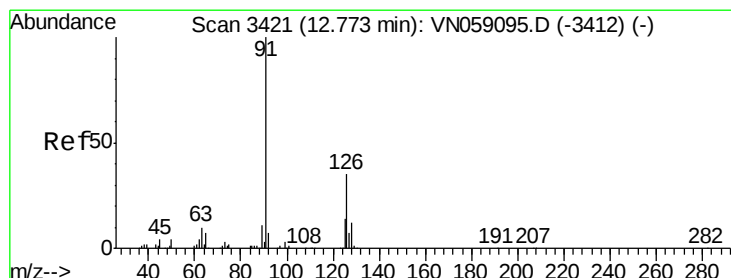
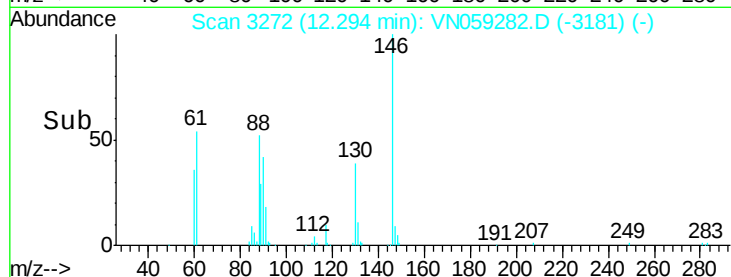
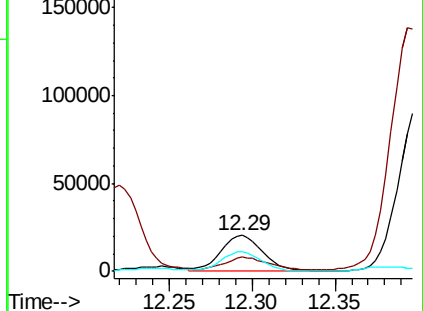
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.449 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN059282.D

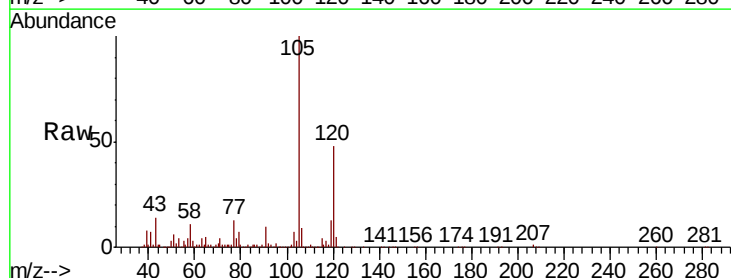
Acq: 18 Nov 2019 14:38

Tgt Ion: 91 Resp: 38437

Ion Ratio Lower Upper

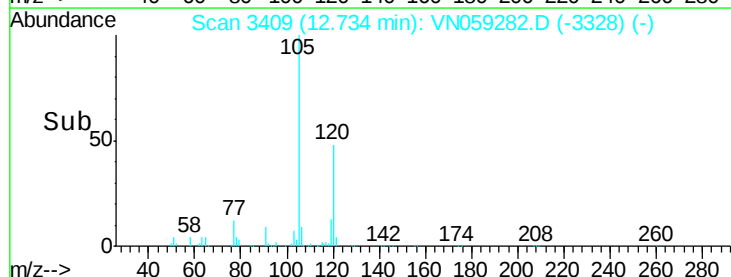
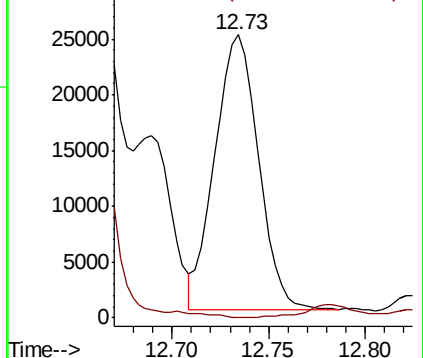
91 100

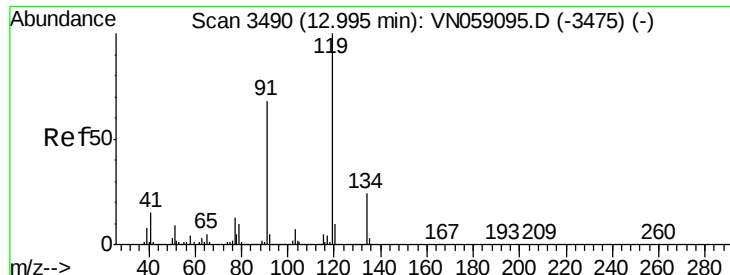
126 0.0 16.1 48.2#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

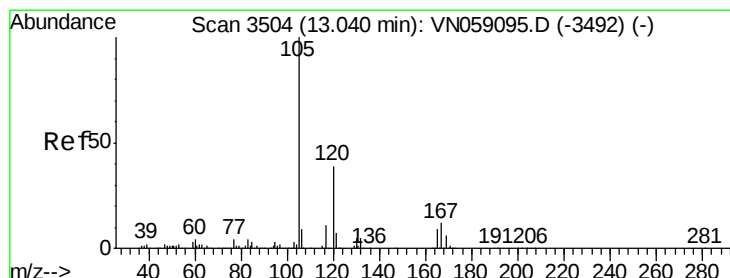
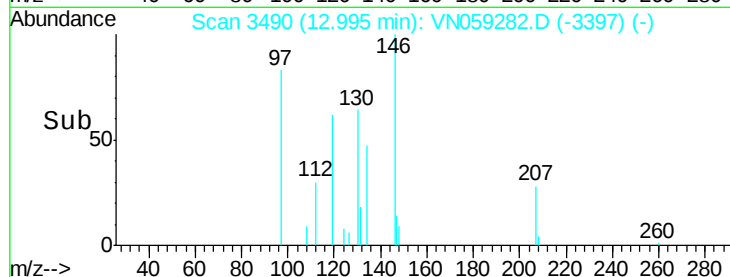
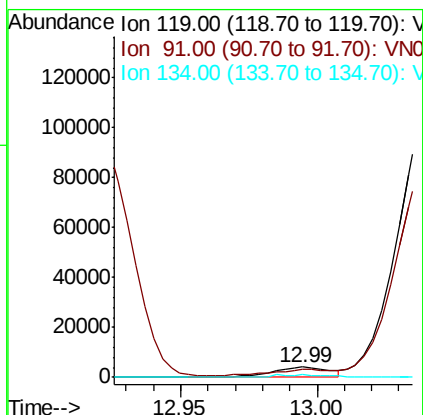
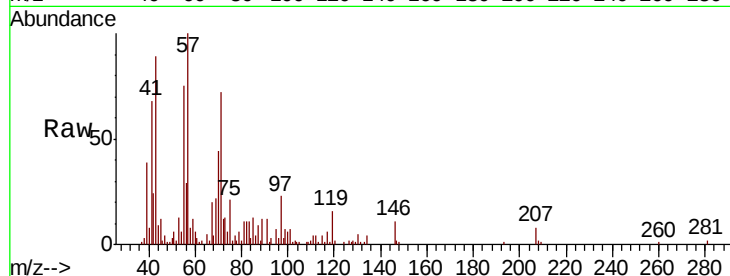




#83
 tert-Butylbenzene
 Concen: 0.228 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

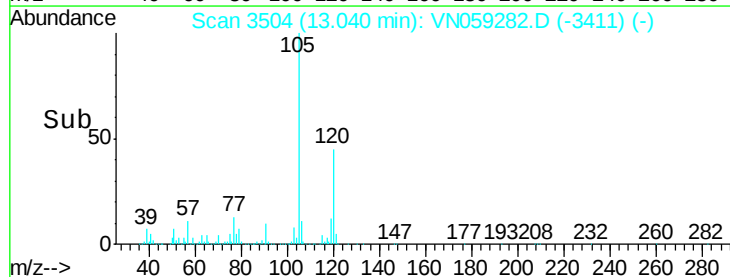
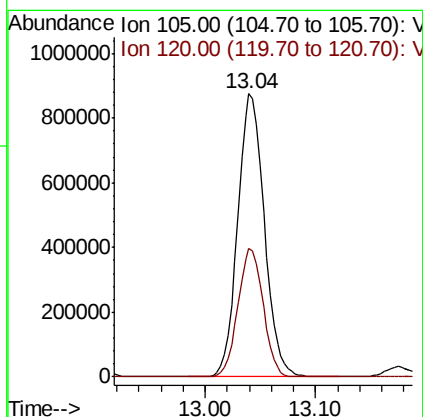
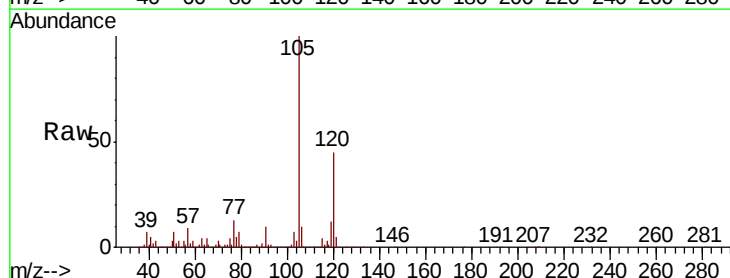
Instrument :
 MSVOA_N
 ClientSampled :

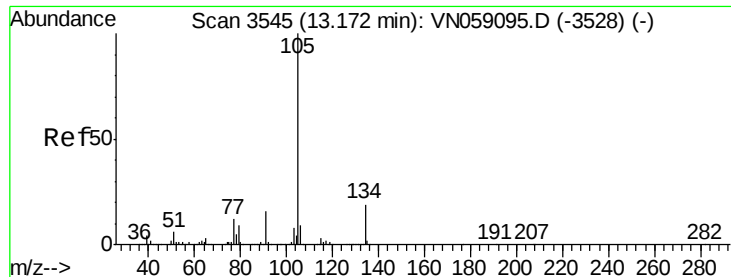
Tot Ion:119 Resp: 6213
 Ion Ratio Lower Upper
 119 100
 91 0.0 33.2 99.6#
 134 25.4 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 47.911 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059282.D
 Acq: 18 Nov 2019 14:38

Tgt Ion:105 Resp: 1462164
 Ion Ratio Lower Upper
 105 100
 120 42.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 1.416 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

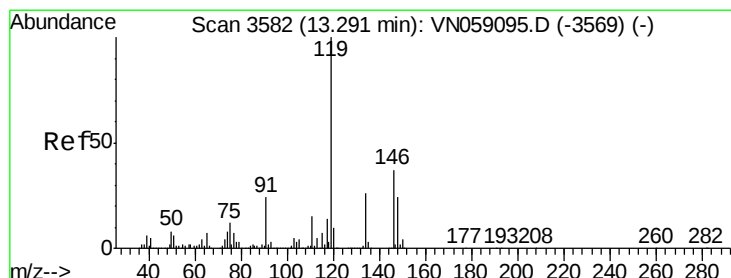
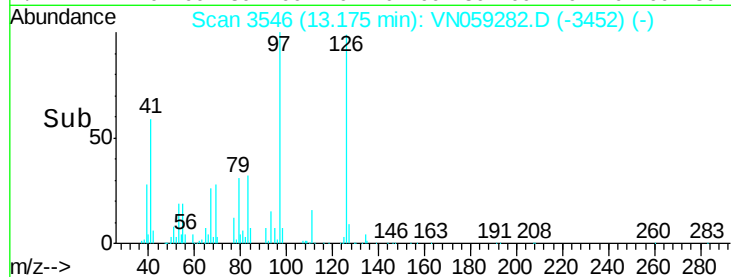
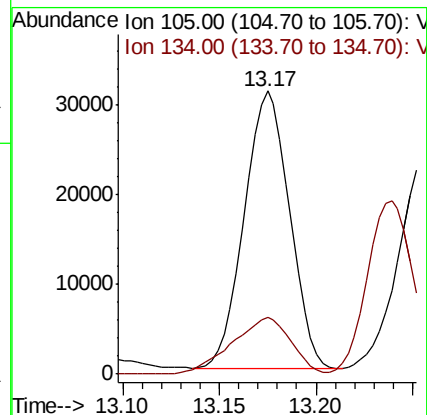
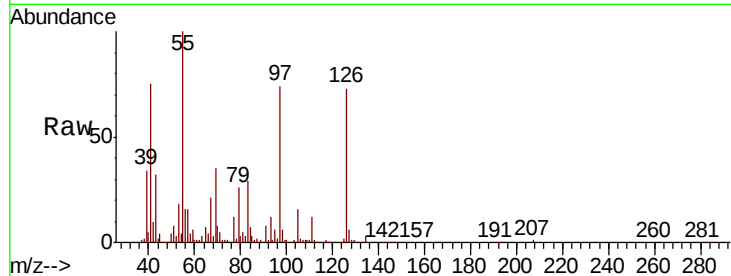
ClientSampled :

Tot Ion:105 Resp: 50170

Ion Ratio Lower Upper

105 100

134 26.6 9.7 29.1



#86

p-Isopropyltoluene

Concen: 1.725 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.01 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

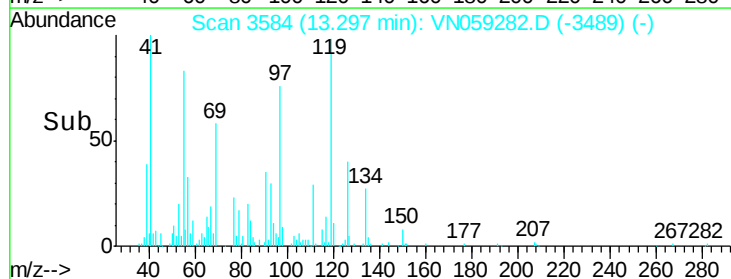
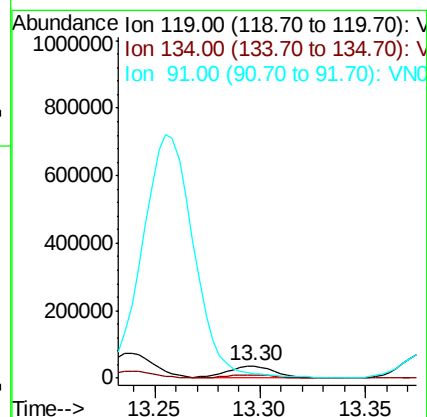
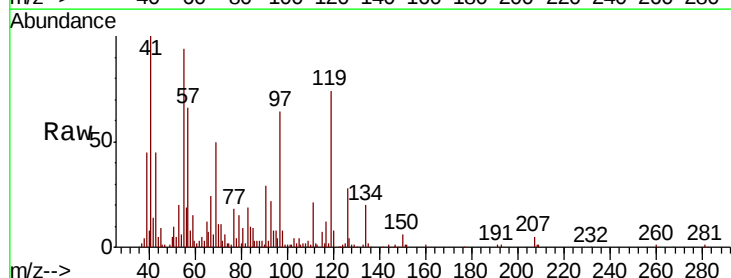
Tgt Ion:119 Resp: 53966

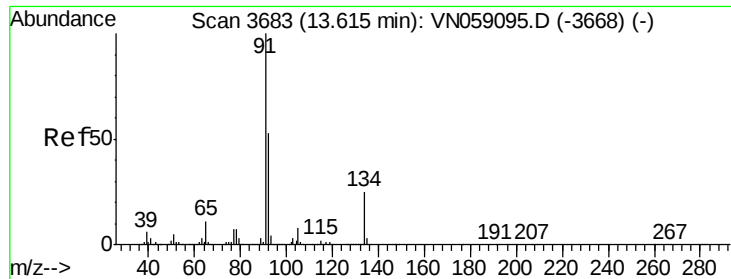
Ion Ratio Lower Upper

119 100

134 27.7 13.0 38.9

91 0.0 11.7 35.1#

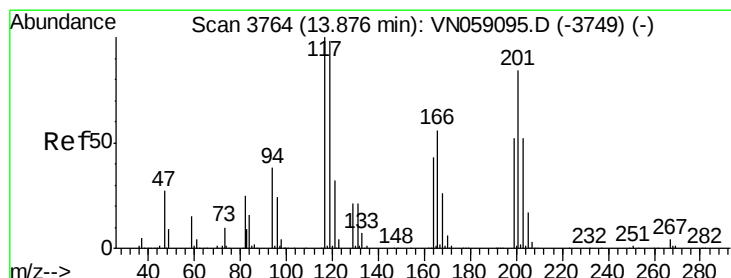
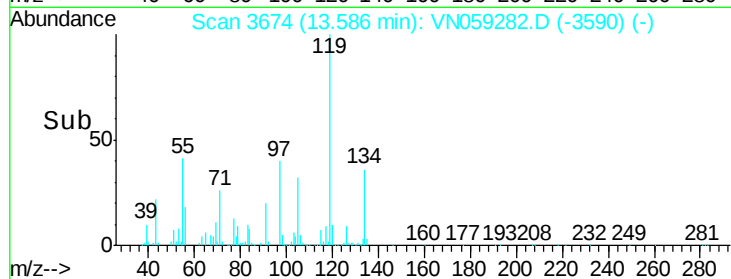
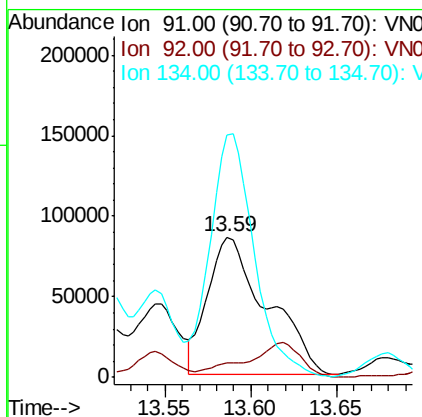
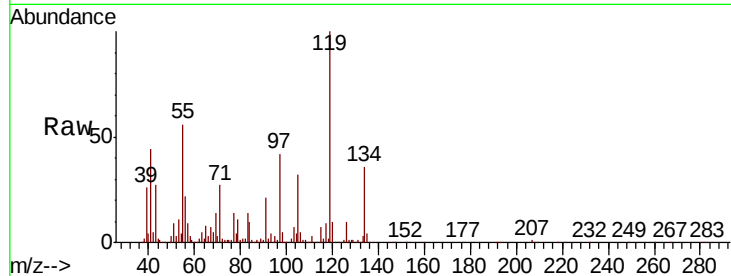




#89
n-Butylbenzene
Concen: 7.415 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.03 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

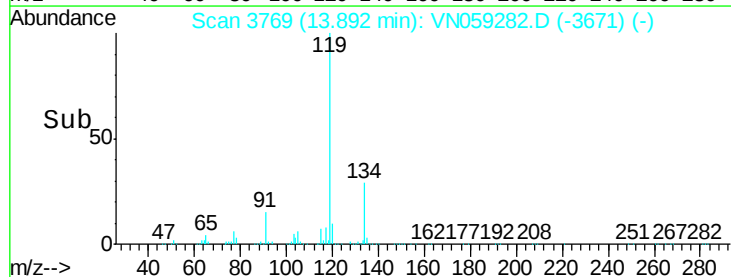
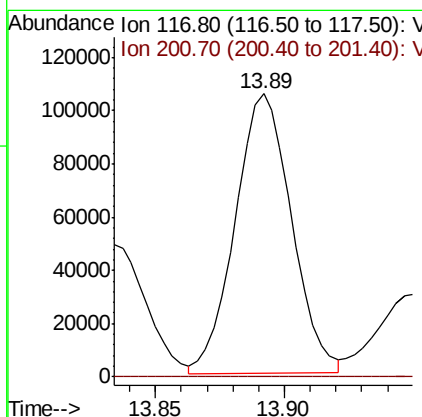
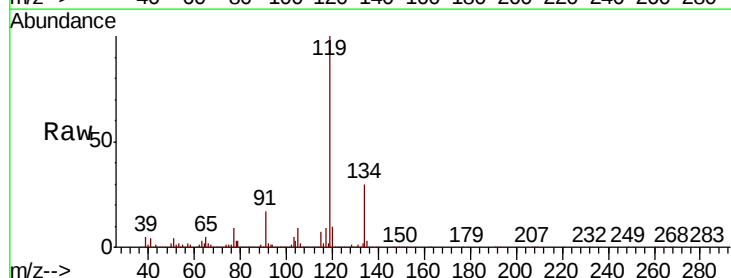
Instrument :
MSVOA_N
ClientSampleId :

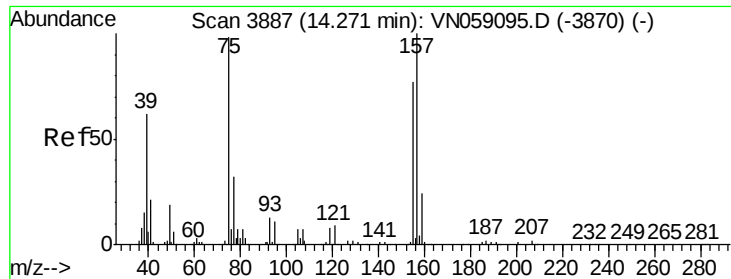
Tot Ion: 91 Resp: 203004
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 133.7 12.6 37.8#



#90
Hexachloroethane
Concen: 25.505 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VN059282.D
Acq: 18 Nov 2019 14:38

Tgt Ion: 117 Resp: 160206
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.987 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

ClientSampled :

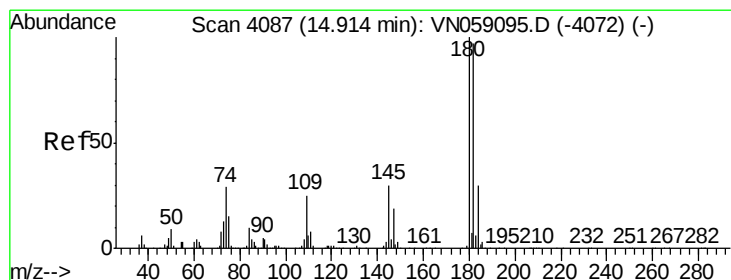
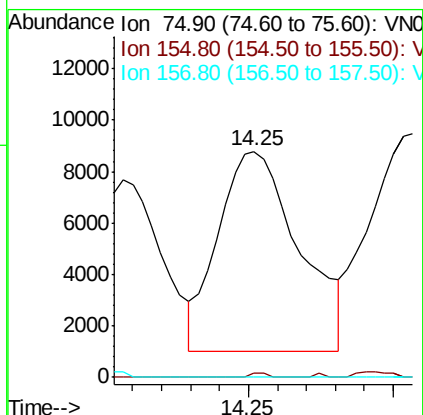
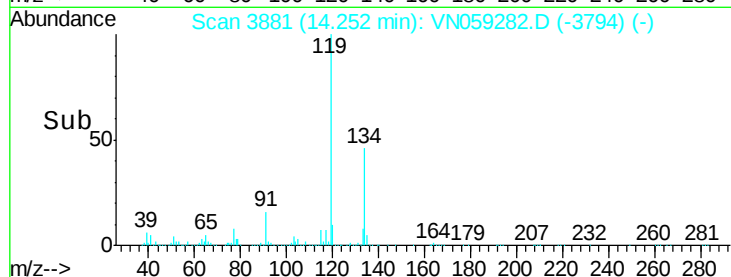
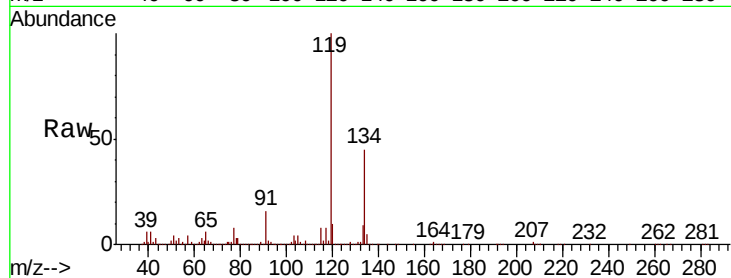
Tot Ion: 75 Resp: 15084

Ion Ratio Lower Upper

75 100

155 0.4 40.2 120.6#

157 0.0 51.8 155.5#



#93

1,2,4-Trichlorobenzene

Concen: 3.149 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

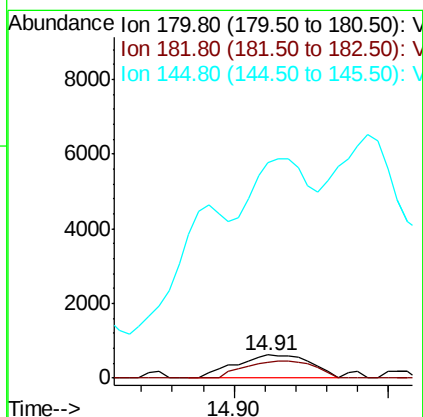
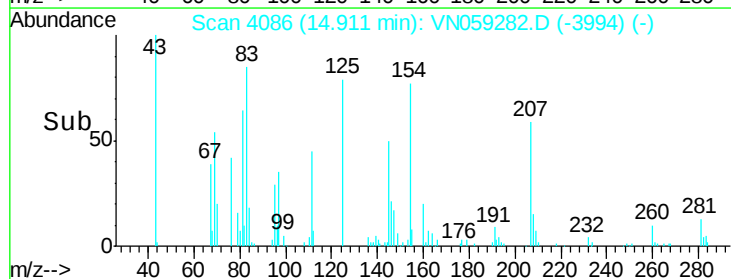
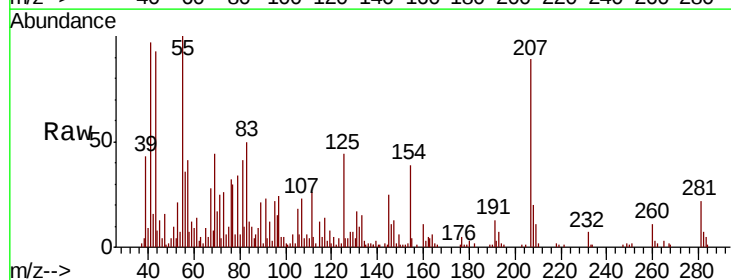
Tgt Ion: 180 Resp: 1040

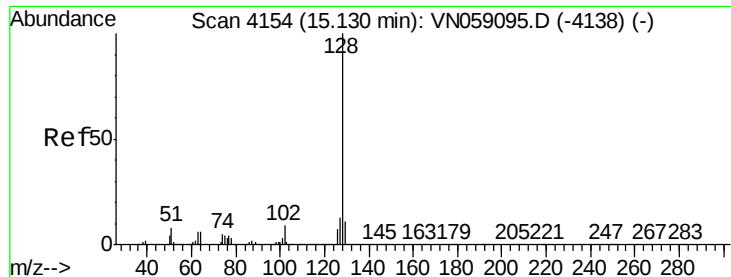
Ion Ratio Lower Upper

180 100

182 69.7 48.1 144.3

145 167.0 15.1 45.3#





#95

Naphthalene

Concen: 36.793 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059282.D

Acq: 18 Nov 2019 14:38

Instrument :

MSVOA_N

ClientSampleId :

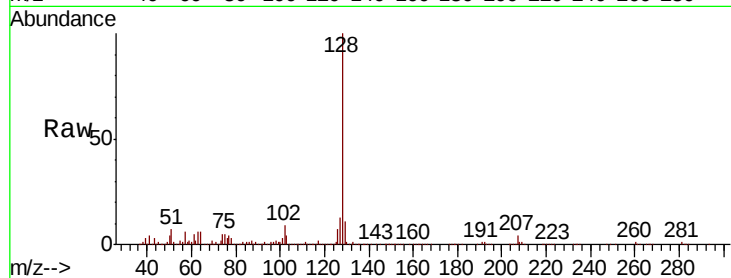
Tot Ion:128 Resp: 953031

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 12.6 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

