

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059291.D
 Acq On : 18 Nov 2019 17:56
 Operator : JC/SP
 Sample : K5900-12 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:50:48 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	469088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	731460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	642240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	342840	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	265360	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
35) Dibromofluoromethane	7.57	113	216276	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
50) Toluene-d8	10.08	98	889426	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	12.40	95	317425	51.17	ug/l	0.00
Spiked Amount			Recovery	=	102.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.00	50	3851	0.599	ug/l #	75
8) Diethyl Ether	3.39	74	41234	13.621	ug/l	97
11) Tert butyl alcohol	4.80	59	707966	644.231	ug/l #	74
13) Acrolein	3.59	56	347	0.612	ug/l #	53
15) Acrylonitrile	5.02	53	10891	3.982	ug/l #	18
16) Acetone	3.79	43	968503	322.986	ug/l	98
17) Carbon Disulfide	4.03	76	4822	0.355	ug/l	98
18) Methyl Acetate	4.30	43	219689	30.866	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	1135010	75.338	ug/l	98
20) Methylene Chloride	4.53	84	3248	0.622	ug/l	88
22) Diisopropyl ether	5.93	45	2850907	167.917	ug/l #	1
23) Vinyl Acetate	5.93	43	160736	12.216	ug/l #	79
24) 1,1-Dichloroethane	5.93	63	21144	2.230	ug/l #	85
25) 2-Butanone	6.81	43	257999	65.284	ug/l	98
26) 2,2-Dichloropropane	6.62	77	1960	0.236	ug/l #	53
29) Tetrahydrofuran	7.19	42	20400	8.124	ug/l	93
30) Chloroform	7.35	83	3668	0.403	ug/l	88
31) Cyclohexane	7.64	56	28143	3.135	ug/l #	54
36) 1,1-Dichloropropene	7.64	75	34802	5.090	ug/l #	50
37) Ethyl Acetate	6.81	43	257417	33.844	ug/l #	69
38) Carbon Tetrachloride	7.64	117	43918	6.454	ug/l #	16
39) Methylcyclohexane	9.06	83	22710	2.862	ug/l	95
40) Benzene	8.02	78	2142320	104.053	ug/l	99
41) Methacrylonitrile	7.19	41	12722	3.847	ug/l #	100
42) 1,2-Dichloroethane	8.02	62	16706	2.366	ug/l	79
43) Isopropyl Acetate	8.00	43	787559	64.949	ug/l #	55
45) 1,2-Dichloropropane	9.13	63	1558	0.279	ug/l #	44
48) Methyl methacrylate	9.15	41	69675	12.846	ug/l #	39
49) 1,4-Dioxane	9.18	88	13050	135.388	ug/l #	21
51) 4-Methyl-2-Pentanone	9.97	43	64150	9.350	ug/l	96
52) Toluene	10.15	92	1914109	155.111	ug/l	93
53) t-1,3-Dichloropropene	10.45	75	7356	0.915	ug/l #	88
54) cis-1,3-Dichloropropene	9.80	75	6512	0.753	ug/l #	1
55) 1,1,2-Trichloroethane	10.52	97	1130	0.226	ug/l #	28

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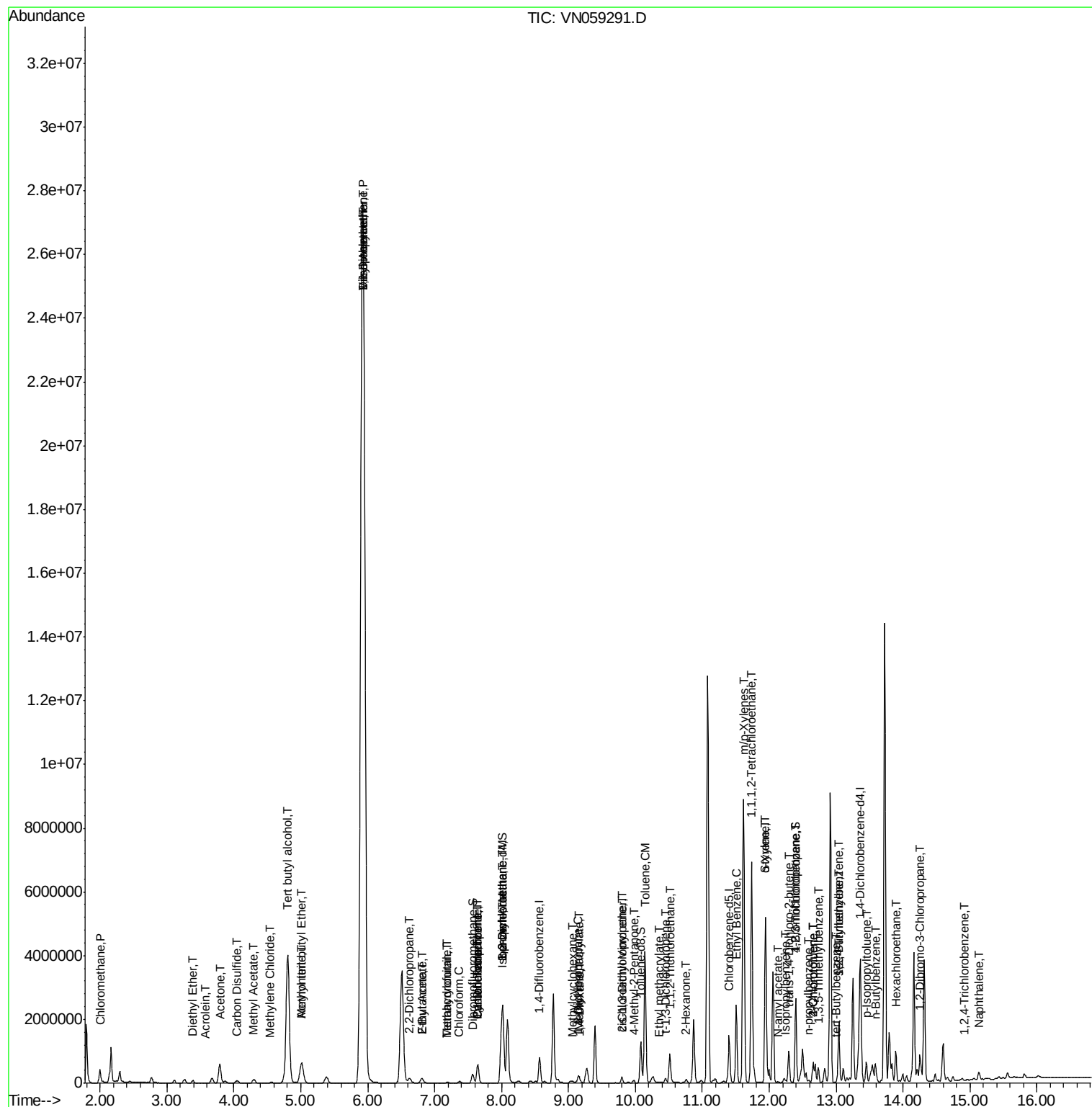
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
56) Ethyl methacrylate	10.35	69	3401	2.266	ug/l #	25
58) 2-Chloroethyl Vinyl ether	9.80	63	8748	3.147	ug/l	97
59) 2-Hexanone	10.75	43	22903	4.349	ug/l	86
66) 1,1,1,2-Tetrachloroethane	11.74	131	2855	0.608	ug/l #	1
67) Ethyl Benzene	11.51	91	1813668	81.649	ug/l	98
68) m/p-Xylenes	11.62	106	3179757	382.151	ug/l	76
69) o-Xylene	11.94	106	1484277	184.586	ug/l	91
70) Styrene	11.94	104	71752	5.674	ug/l #	1
73) Isopropylbenzene	12.25	105	54050	2.167	ug/l	99
74) N-amyl acetate	12.13	43	5170	0.489	ug/l #	17
76) 1,2,3-Trichloropropane	12.40	75	153895	19.717	ug/l #	100
78) n-propylbenzene	12.59	91	58661	2.054	ug/l	98
79) 2-Chlorotoluene	12.65	91	41550	2.346	ug/l	83
80) 1,3,5-Trimethylbenzene	12.73	105	265150	12.548	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	58815	19.903	ug/l #	42
82) 4-Chlorotoluene	12.65	91	41550	2.339	ug/l	85
83) tert-Butylbenzene	12.99	119	5717	0.313	ug/l #	39
84) 1,2,4-Trimethylbenzene	13.04	105	1126576	55.104	ug/l	99
85) sec-Butylbenzene	13.04	105	1126576	47.468	ug/l #	57
86) p-Isopropyltoluene	13.44	119	13133	0.627	ug/l	90
89) n-Butylbenzene	13.59	91	36531	1.992	ug/l #	1
90) Hexachloroethane	13.89	117	48994	11.643	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3676	2.195	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	218	3.078	ug/l #	50
95) Naphthalene	15.13	128	151892	11.074	ug/l	99

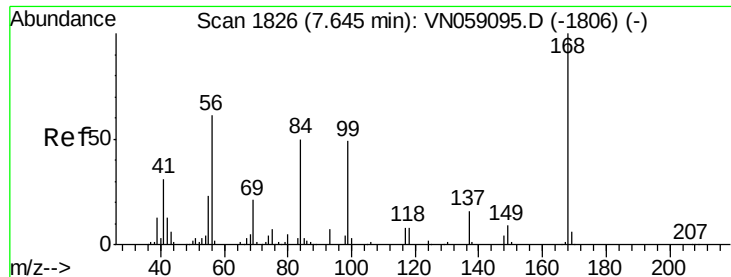
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

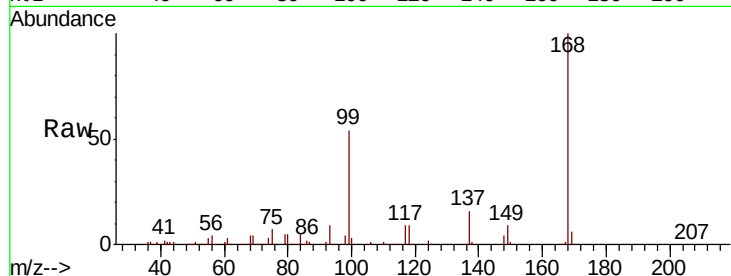
ClientSampleId :

Tot Ion:168 Resp: 469088

Ion Ratio Lower Upper

168 100

99 54.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059291.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059291.D (-1733) (-)

7.64

200000

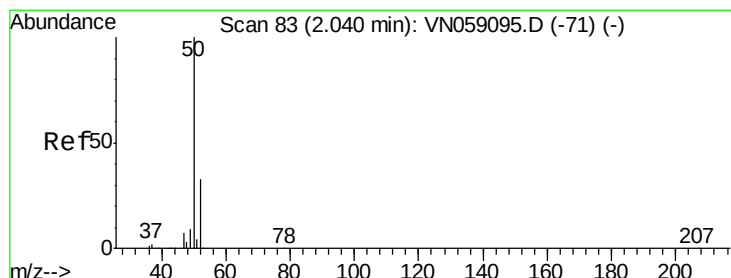
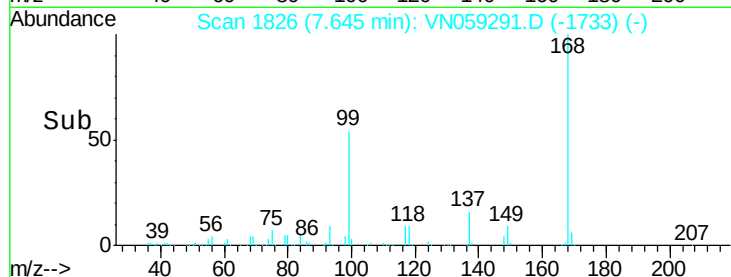
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.599 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.04 min

Lab File: VN059291.D

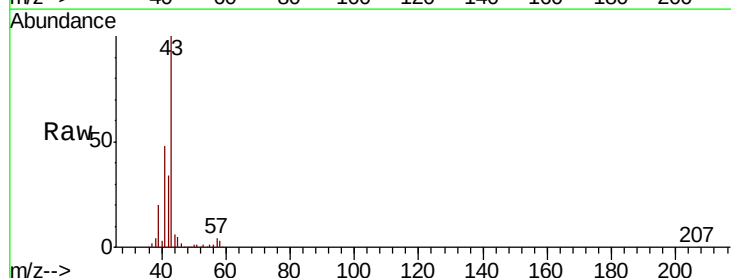
Acq: 18 Nov 2019 17:56

Tgt Ion: 50 Resp: 3851

Ion Ratio Lower Upper

50 100

52 18.2 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN059291.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN059291.D (-1) (-)

2.00

2500

2000

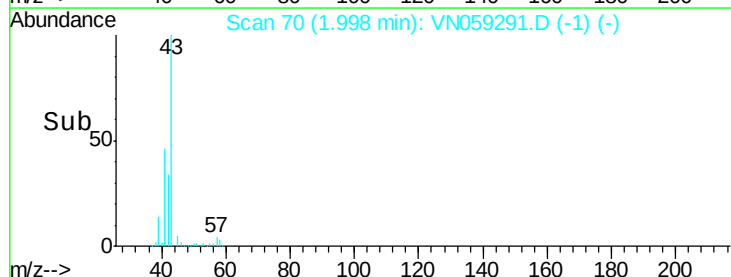
1500

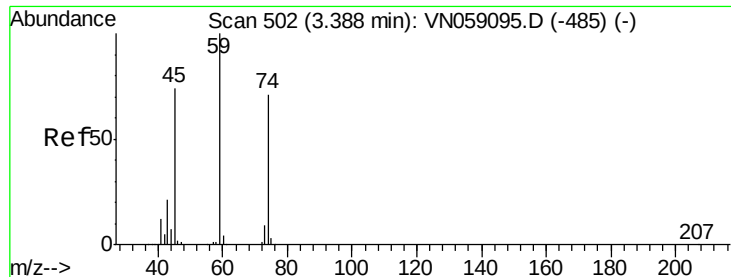
1000

500

0

Time--> 1.95 2.00





#8

Diethyl Ether

Concen: 13.621 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

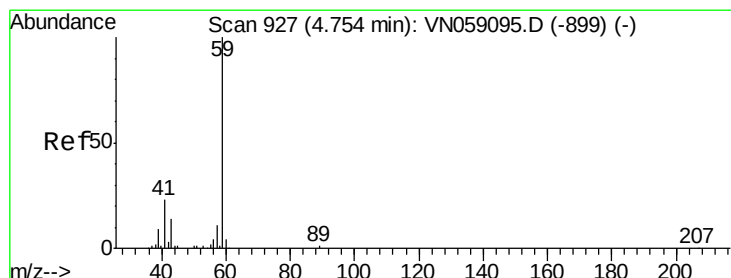
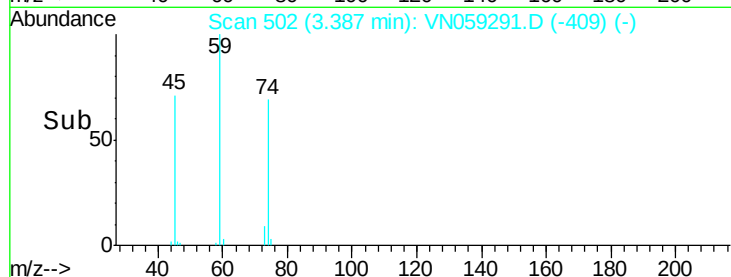
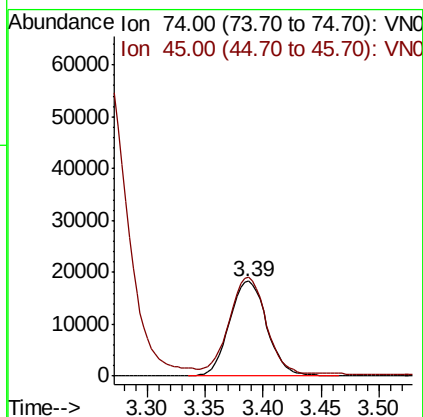
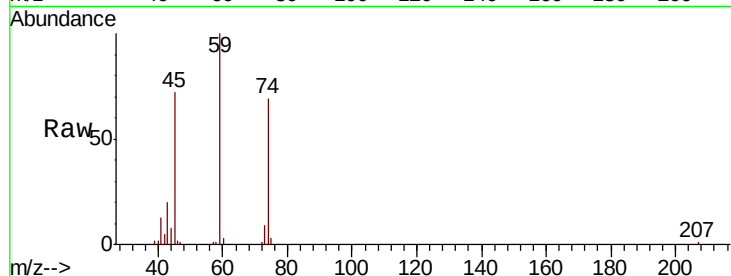
ClientSampled :

Tot Ion: 74 Resp: 41234

Ion Ratio Lower Upper

74 100

45 100.3 51.6 154.9



#11

Tert butyl alcohol

Concen: 644.231 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.04 min

Lab File: VN059291.D

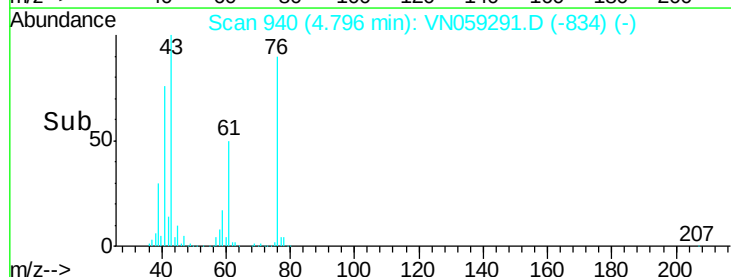
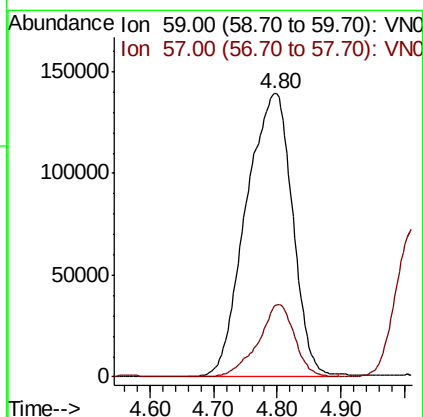
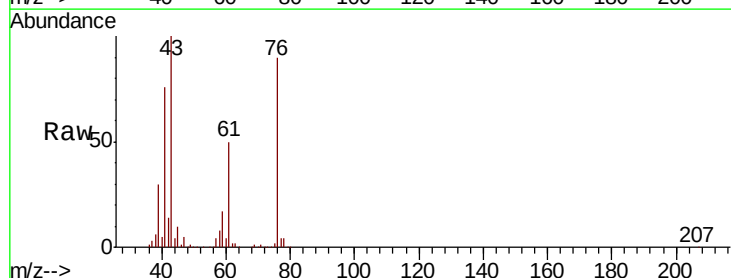
Acq: 18 Nov 2019 17:56

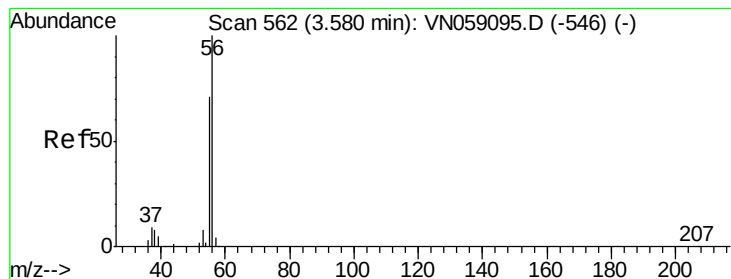
Tgt Ion: 59 Resp: 707966

Ion Ratio Lower Upper

59 100

57 20.3 8.3 12.5#





#13

Acrolein

Concen: 0.612 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

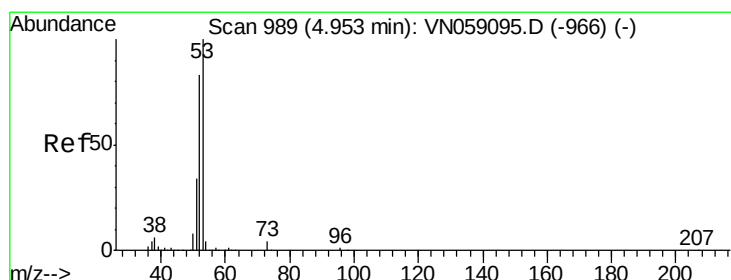
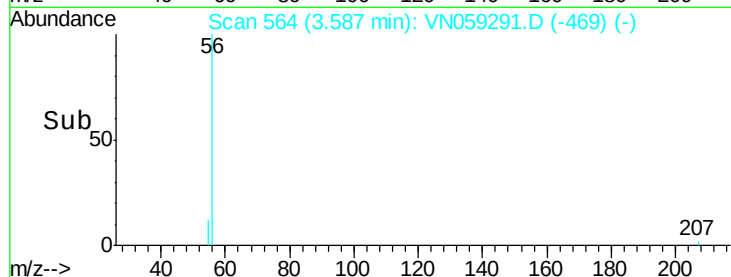
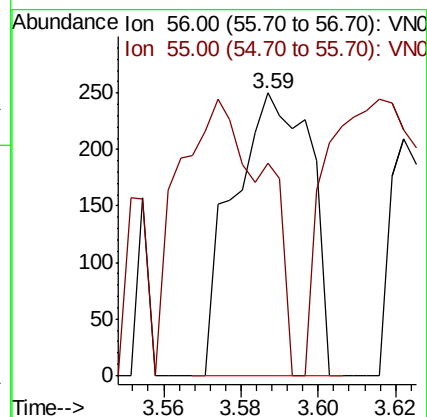
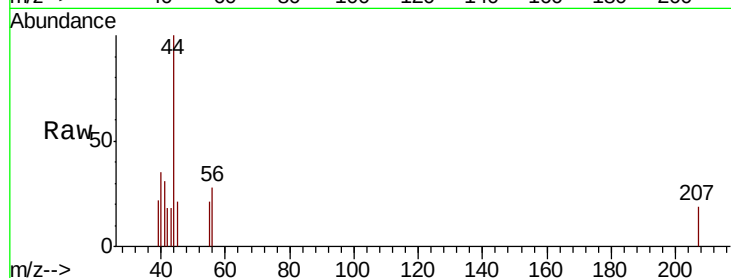
ClientSampled :

Tot Ion: 56 Resp: 347

Ion Ratio Lower Upper

56 100

55 108.9 56.4 84.6#



#15

Acrylonitrile

Concen: 3.982 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.06 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

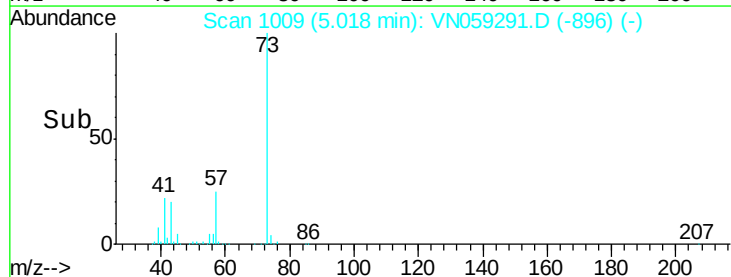
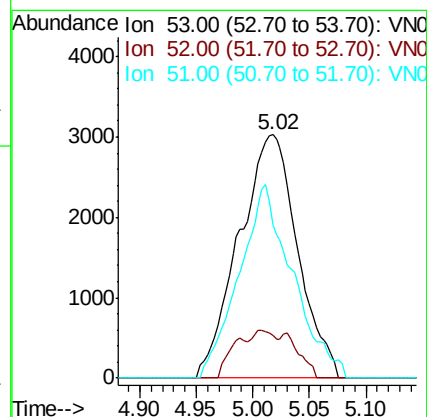
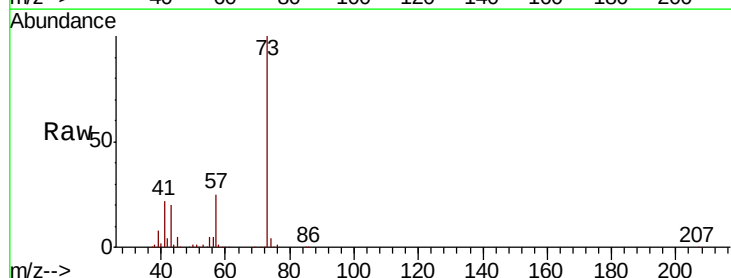
Tgt Ion: 53 Resp: 10891

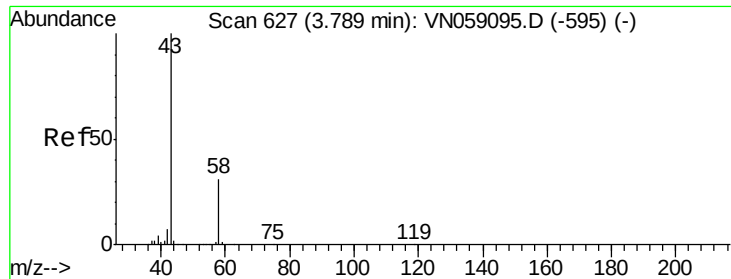
Ion Ratio Lower Upper

53 100

52 2.2 65.0 97.6#

51 72.5 28.0 42.0#

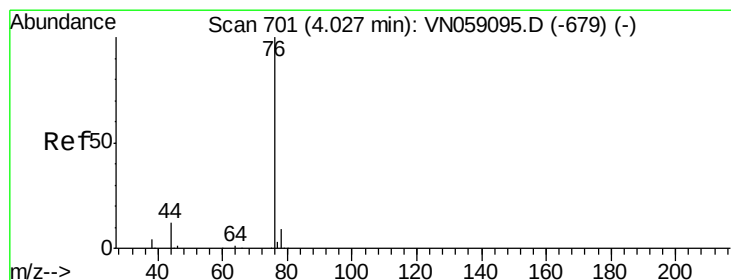
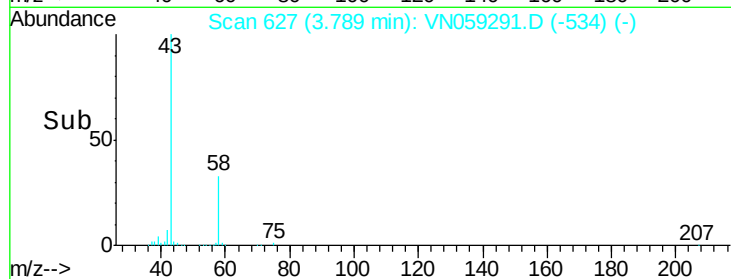
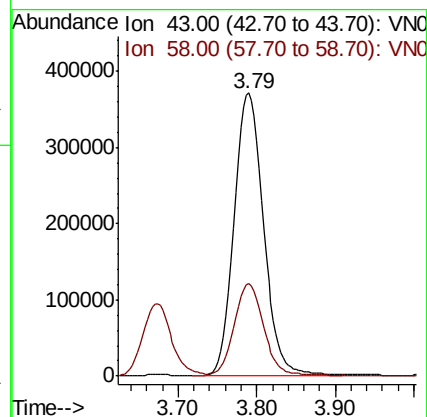
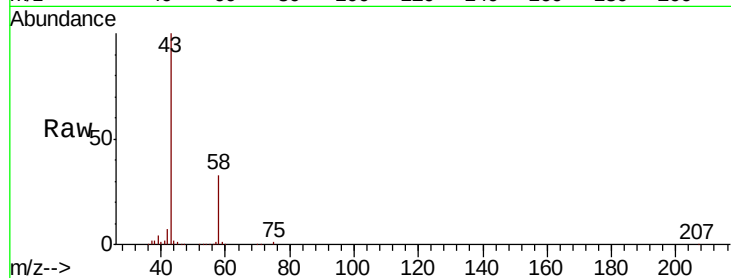




#16
Acetone
Concen: 322.986 ug/l
RT: 3.79 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

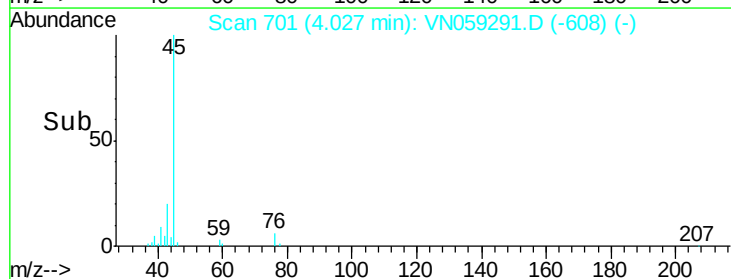
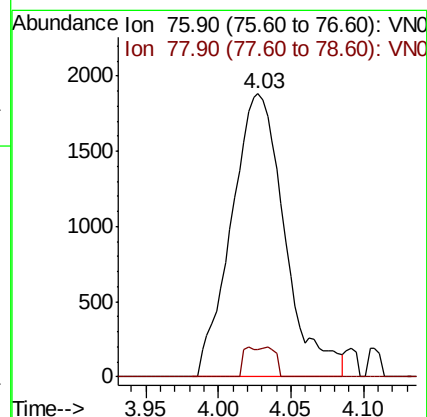
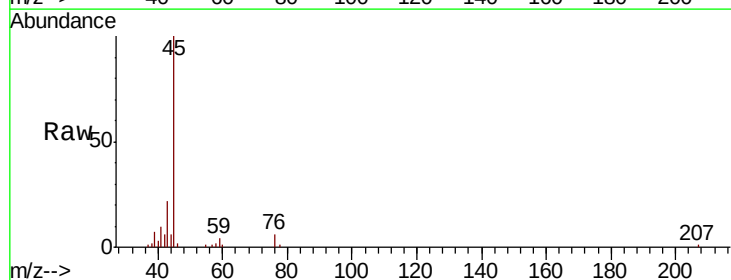
Instrument :
MSVOA_N
ClientSampled :

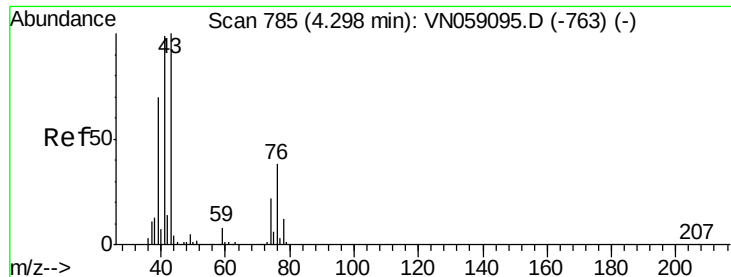
Tot Ion: 43 Resp: 968503
Ion Ratio Lower Upper
43 100
58 32.4 24.9 37.3



#17
Carbon Disulfide
Concen: 0.355 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Tgt Ion: 76 Resp: 4822
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0

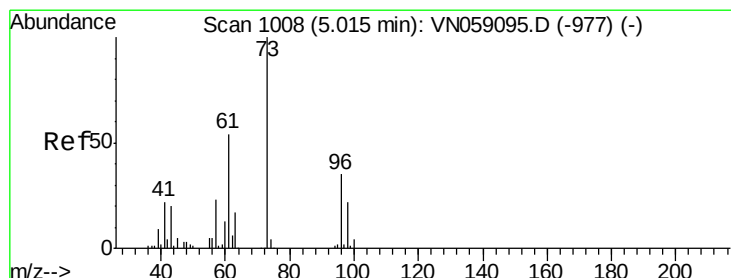
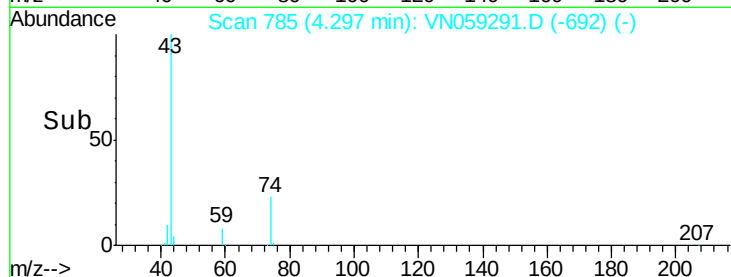
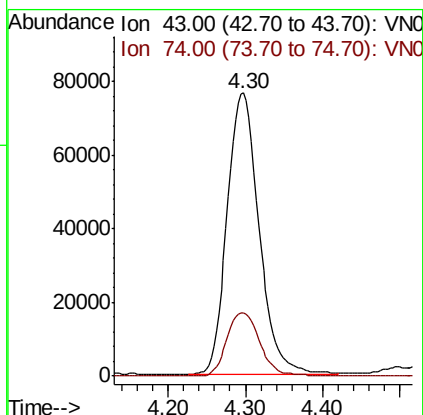
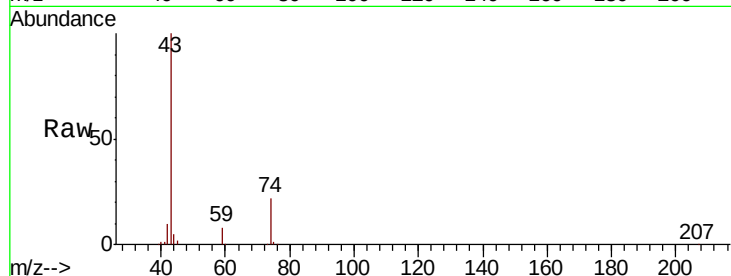




#18
Methvl Acetate
Concen: 30.866 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

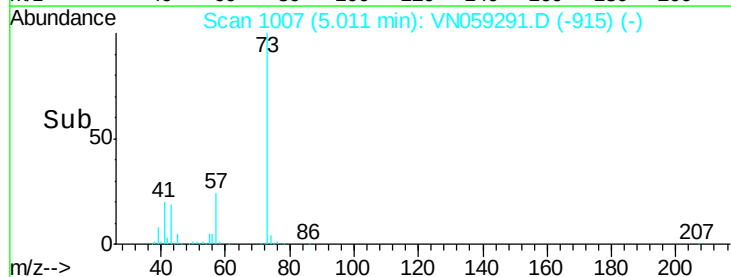
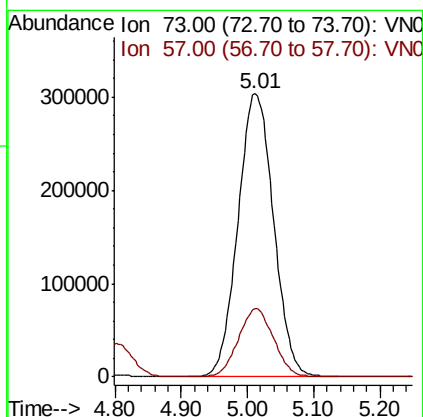
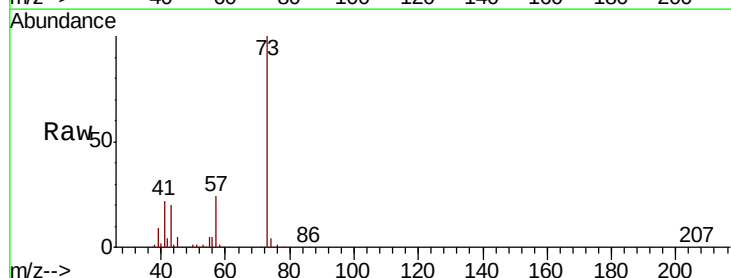
Instrument :
MSVOA_N
ClientSampled :

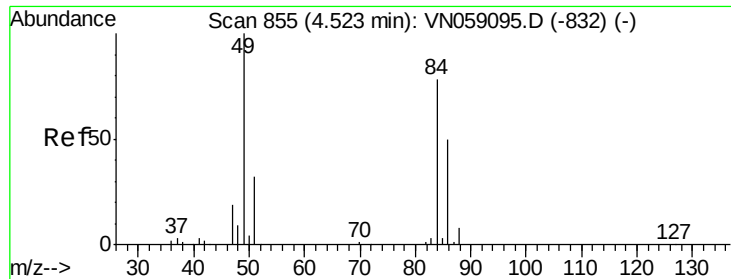
Tot Ion: 43 Resp: 219689
Ion Ratio Lower Upper
43 100
74 23.3 17.8 26.8



#19
Methyl tert-butyl Ether
Concen: 75.338 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Tgt Ion: 73 Resp: 1135010
Ion Ratio Lower Upper
73 100
57 23.9 18.4 27.6

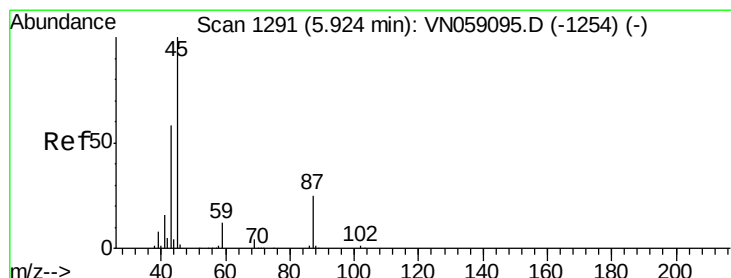
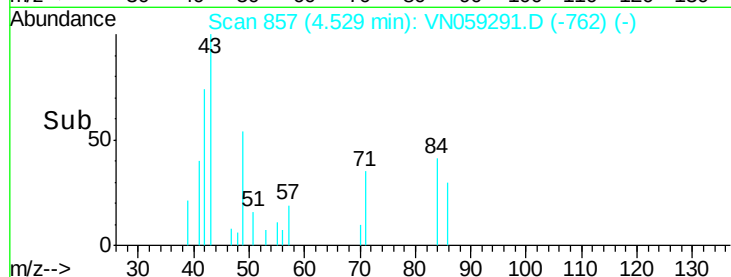
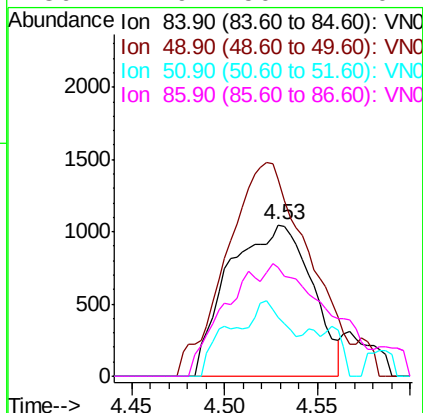
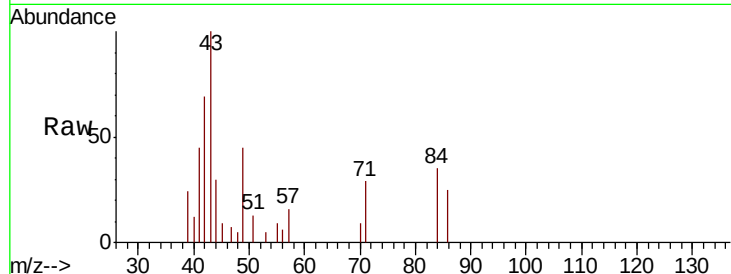




#20
Methylene Chloride
Concen: 0.622 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

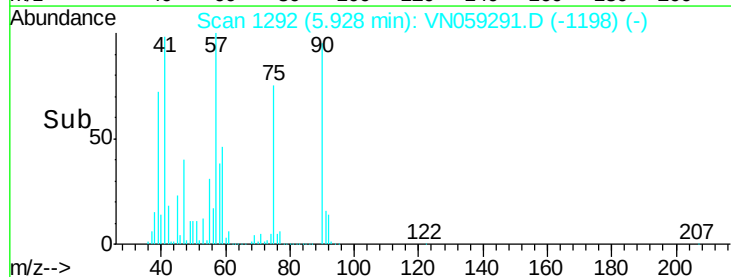
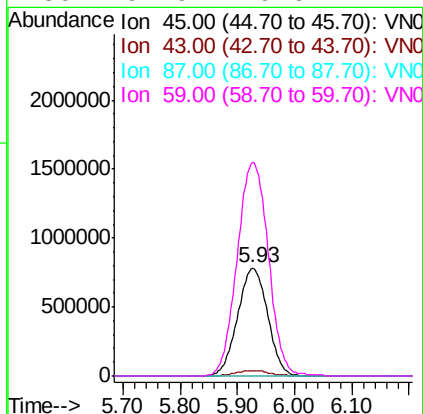
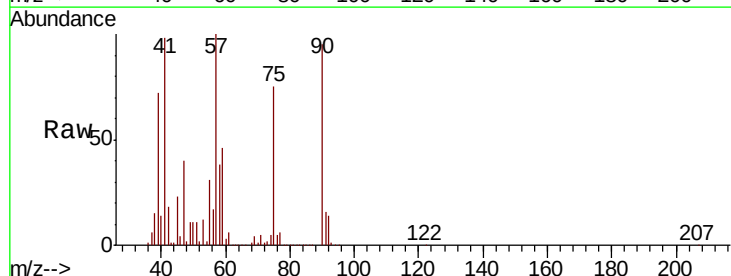
Instrument :
MSVOA_N
ClientSampleId :

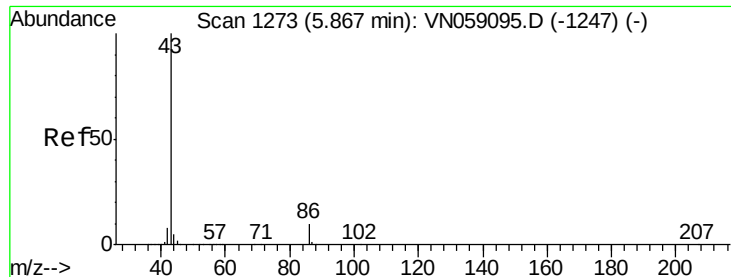
Tot Ion:	84	Resp:	3248
Ion	Ratio	Lower	Upper
84	100		
49	109.1	102.0	153.0
51	38.6	32.2	48.2
86	71.9	50.7	76.1



#22
Diisopropyl ether
Concen: 167.917 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Tgt Ion:	45	Resp:	2850907
Ion	Ratio	Lower	Upper
45	100		
43	5.0	46.7	70.1#
87	0.4	20.5	30.7#
59	197.9	9.6	14.4#





#23

Vinyl Acetate

Concen: 12.216 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.06 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

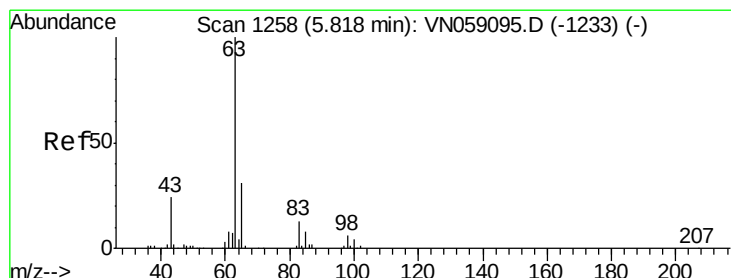
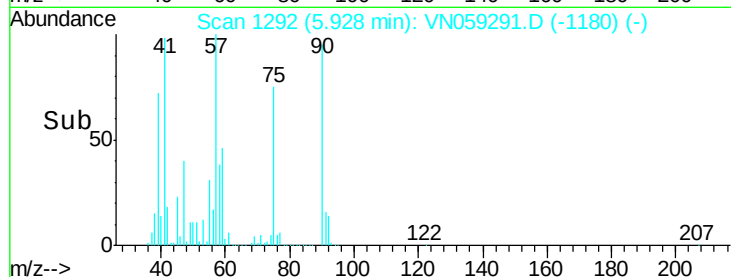
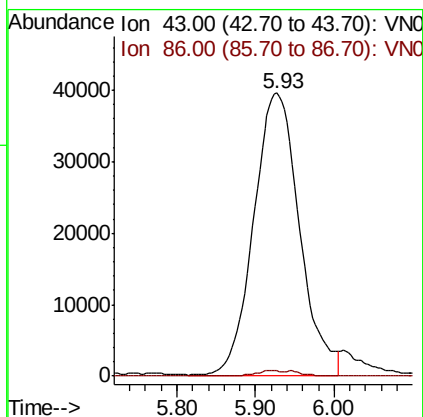
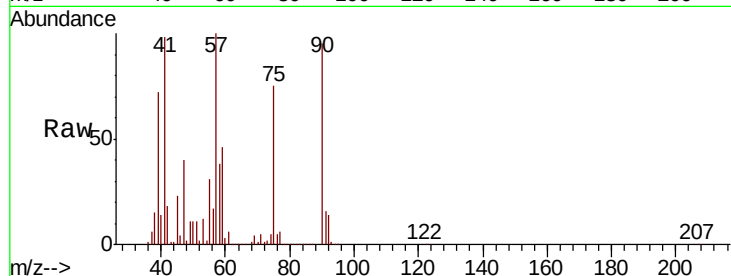
ClientSampled :

Tot Ion: 43 Resp: 160736

Ion Ratio Lower Upper

43 100

86 1.8 7.7 11.5#



#24

1,1-Dichloroethane

Concen: 2.230 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.11 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

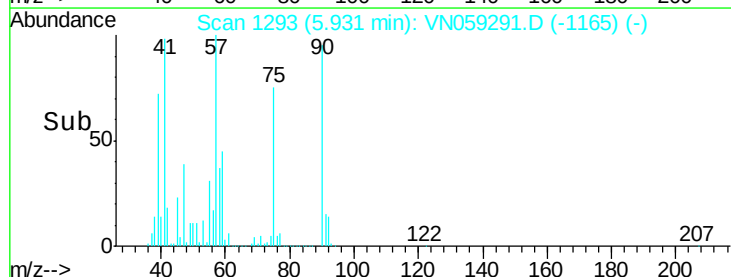
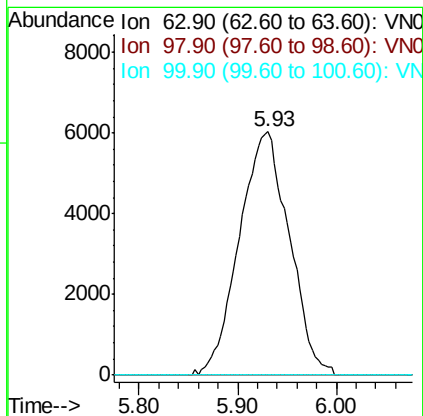
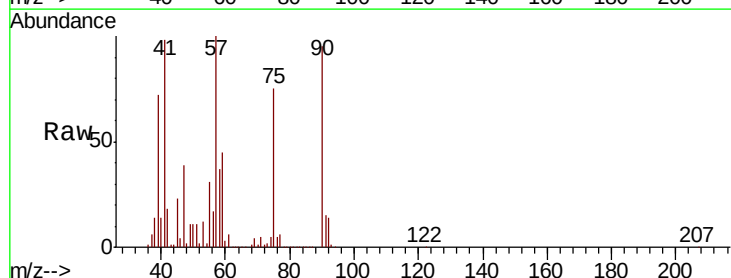
Tgt Ion: 63 Resp: 21144

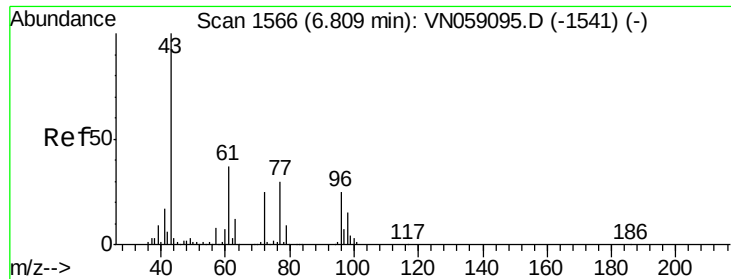
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 65.284 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

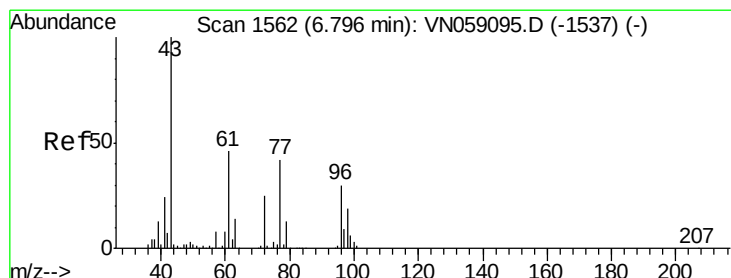
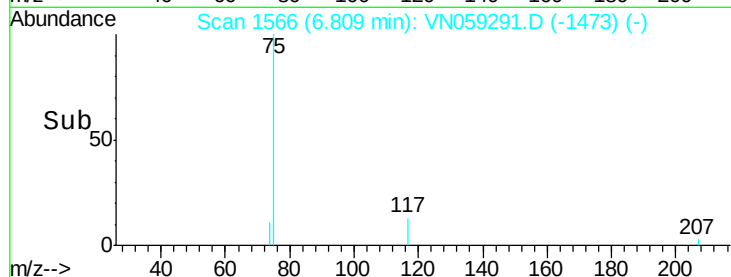
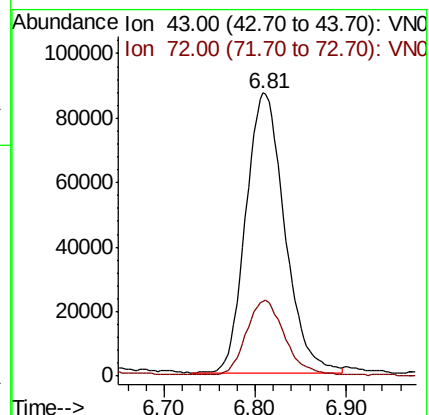
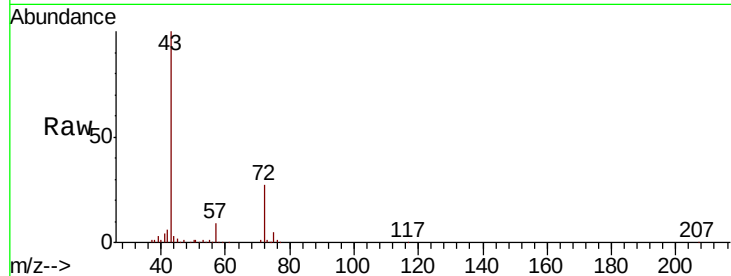
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 257999

Ion Ratio Lower Upper

43 100

72 26.3 20.3 30.5



#26

2,2-Dichloropropane

Concen: 0.236 ug/l

RT: 6.62 min Scan# 1508

Delta R.T. -0.17 min

Lab File: VN059291.D

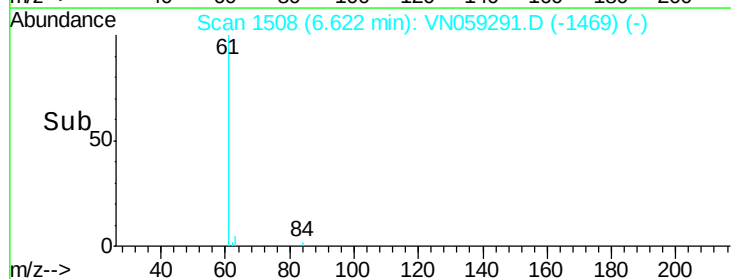
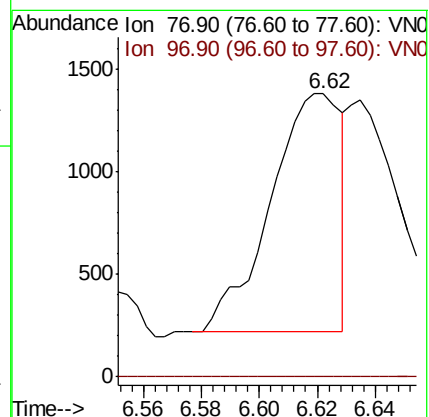
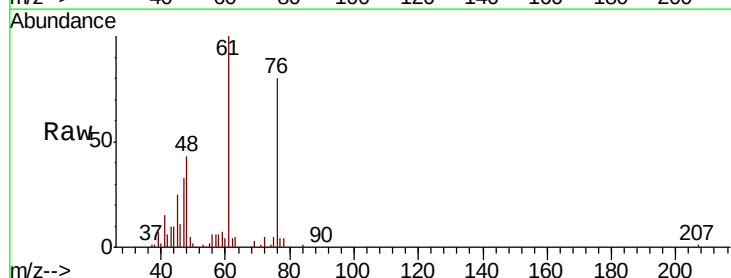
Acq: 18 Nov 2019 17:56

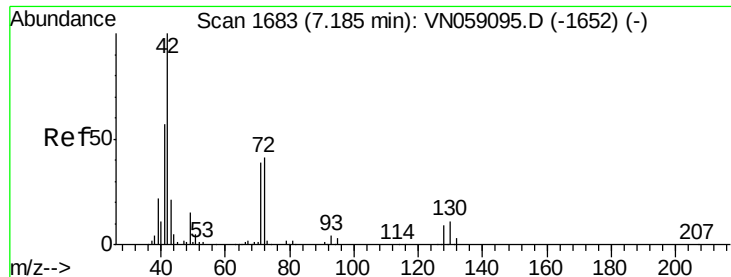
Tgt Ion: 77 Resp: 1960

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#

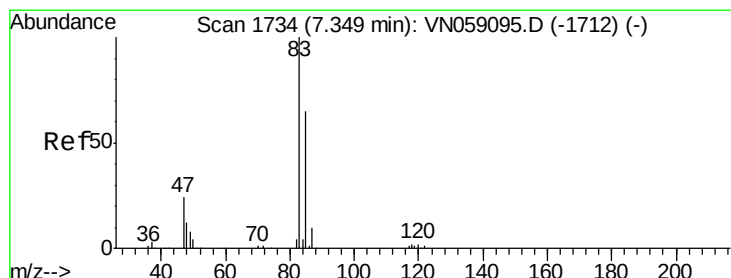
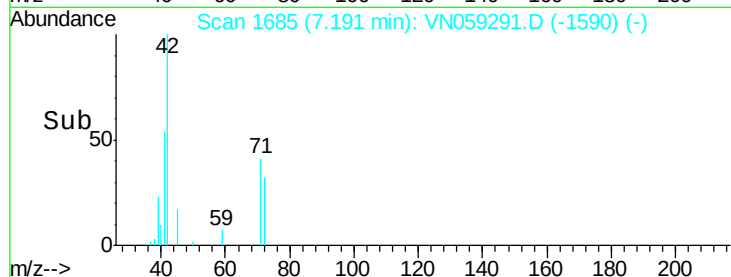
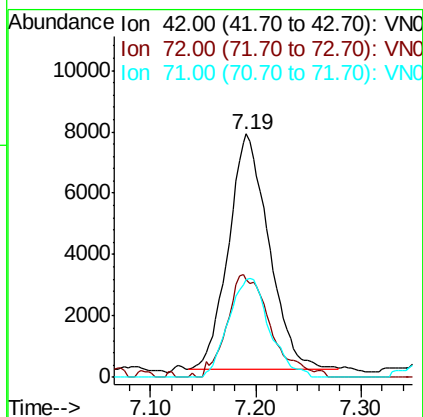
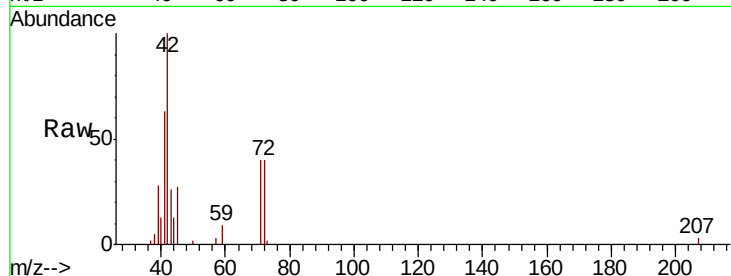




#29
Tetrahydrofuran
Concen: 8.124 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

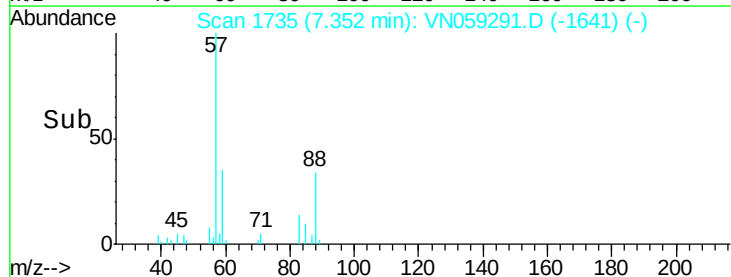
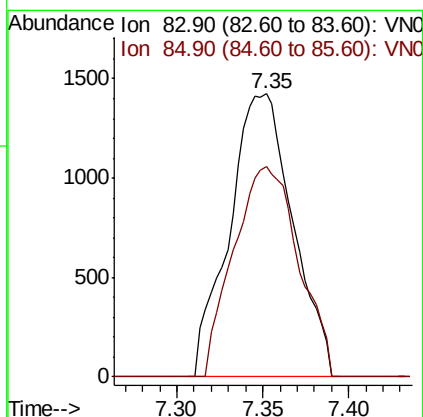
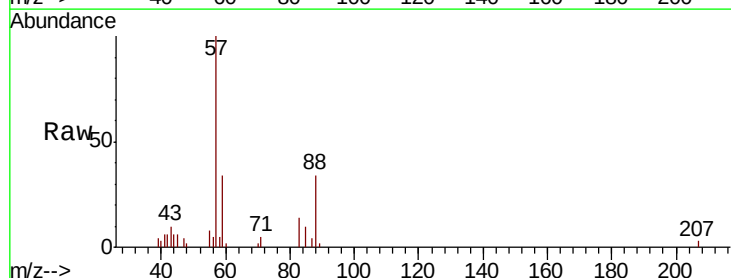
Instrument :
MSVOA_N
ClientSampled :

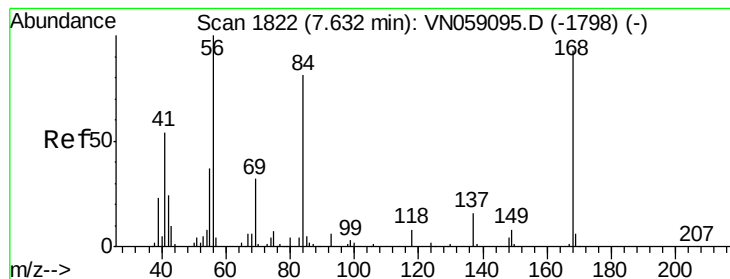
Tot Ion: 42 Resp: 20400
Ion Ratio Lower Upper
42 100
72 46.4 33.1 49.7
71 42.5 30.9 46.3



#30
Chloroform
Concen: 0.403 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Tgt Ion: 83 Resp: 3668
Ion Ratio Lower Upper
83 100
85 74.2 51.8 77.8





#31

Cyclohexane

Concen: 3.135 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :
MSVOA_N
ClientSampled :

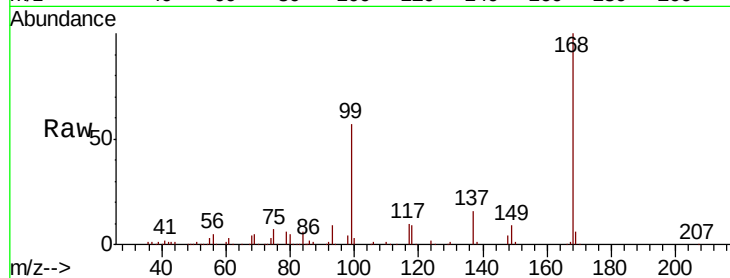
Tot Ion: 56 Resp: 28143

Ion Ratio Lower Upper

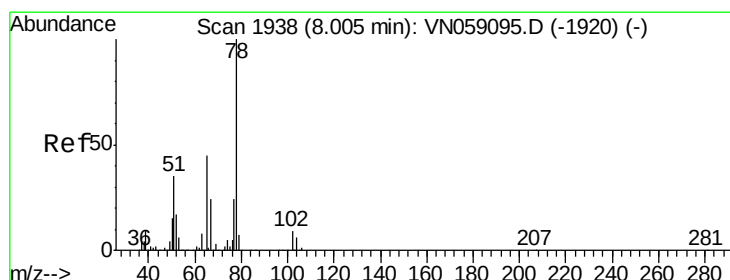
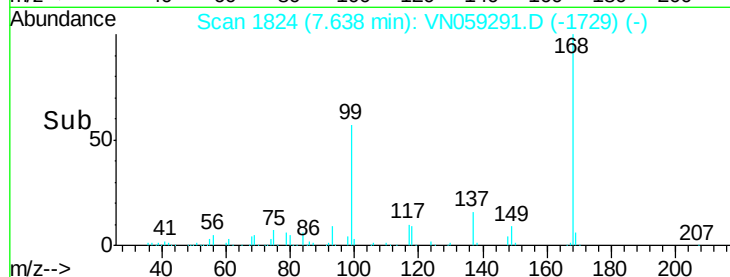
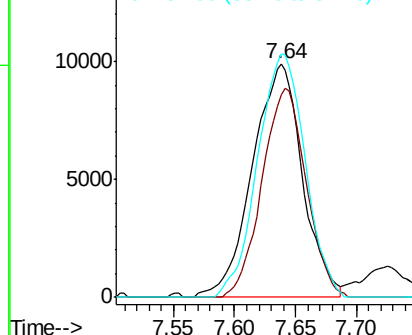
56 100

69 86.7 25.8 38.8#

84 104.1 65.0 97.4#



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



#33

1,2-Dichloroethane-d4

Concen: 46.019 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059291.D

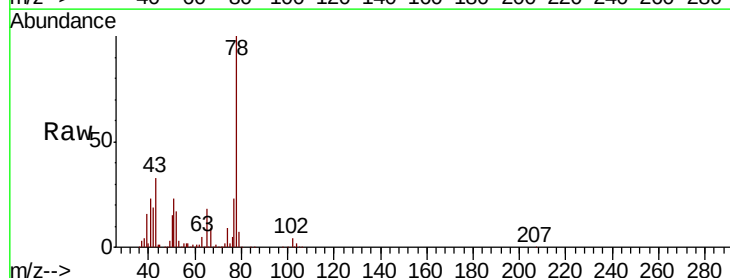
Acq: 18 Nov 2019 17:56

Tgt Ion: 65 Resp: 265360

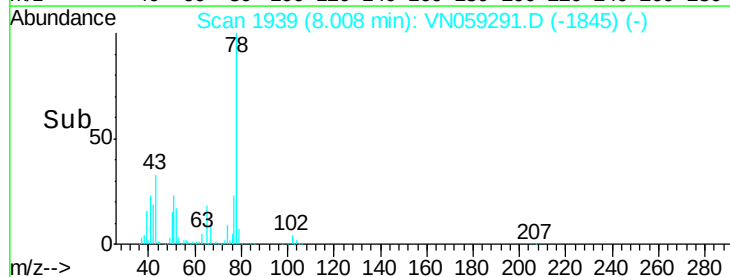
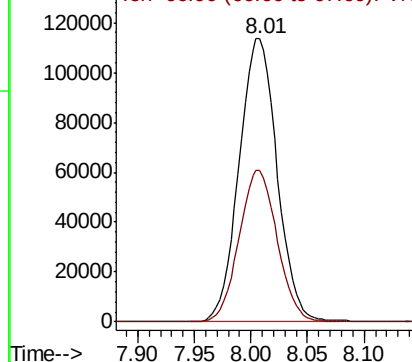
Ion Ratio Lower Upper

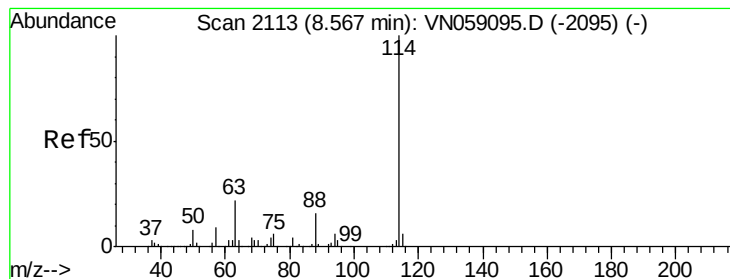
65 100

67 53.8 0.0 107.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

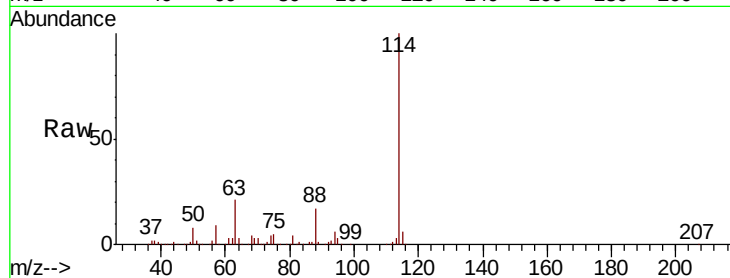
Tot Ion:114 Resp: 731460

Ion Ratio Lower Upper

114 100

63 21.4 0.0 43.4

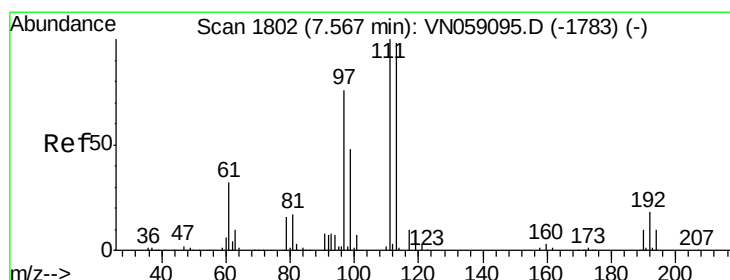
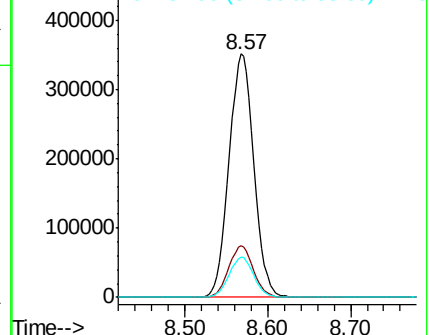
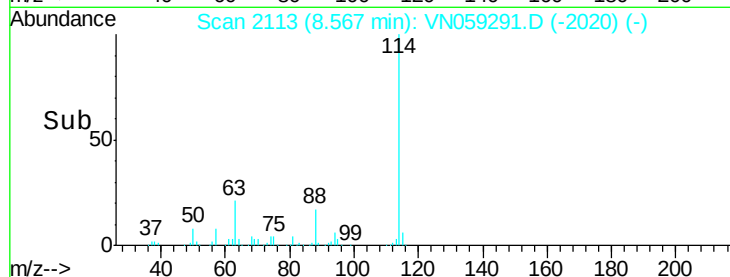
88 16.7 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.519 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

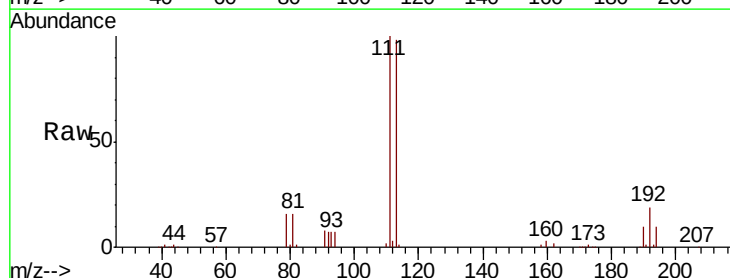
Tgt Ion:113 Resp: 216276

Ion Ratio Lower Upper

113 100

111 102.3 82.8 124.2

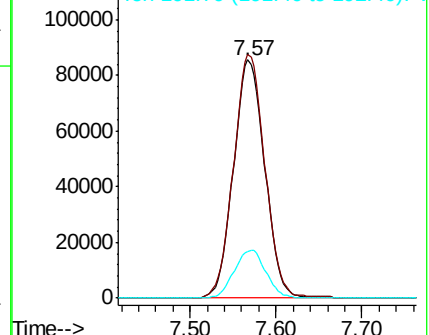
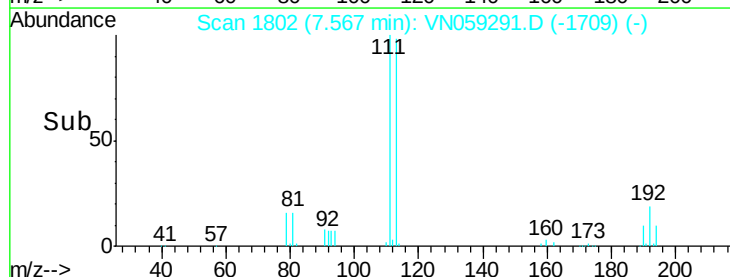
192 20.4 16.1 24.1

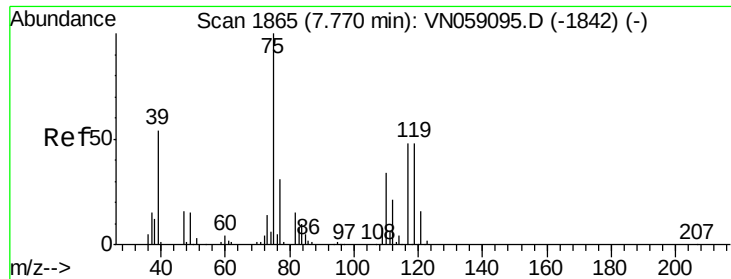


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

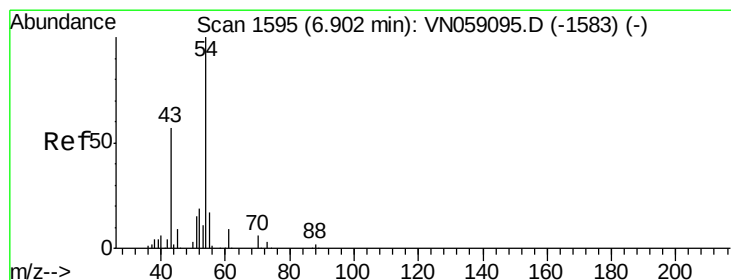
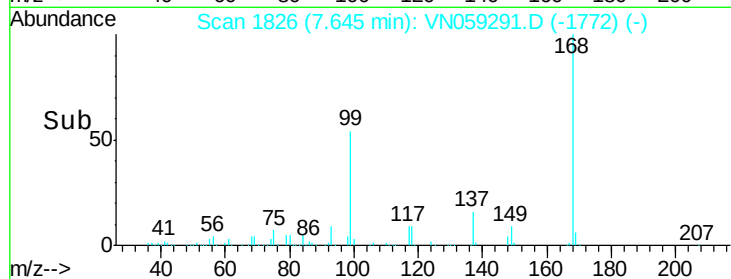
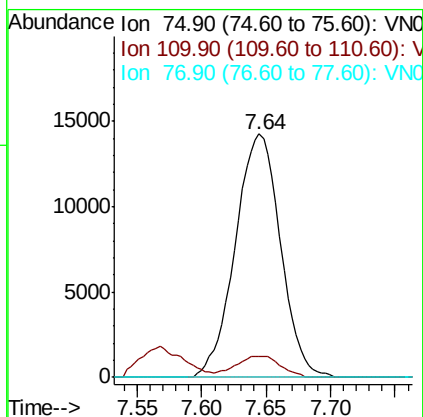
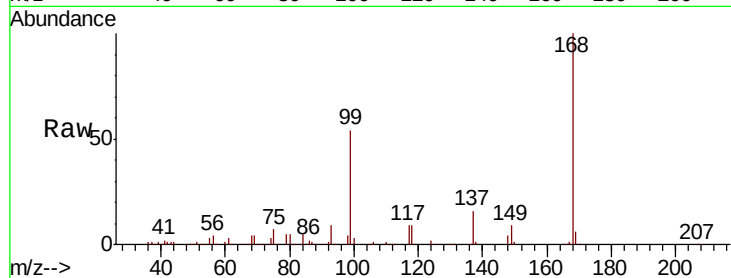




#36
 1,1-Dichloropropene
 Concen: 5.090 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

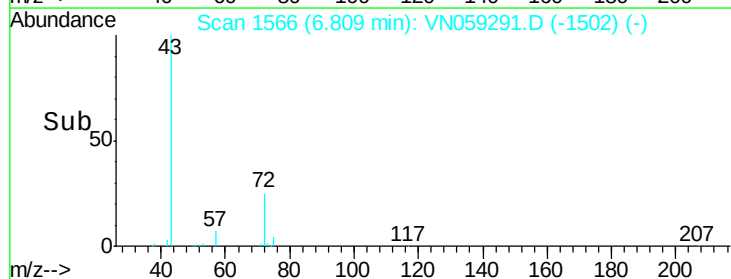
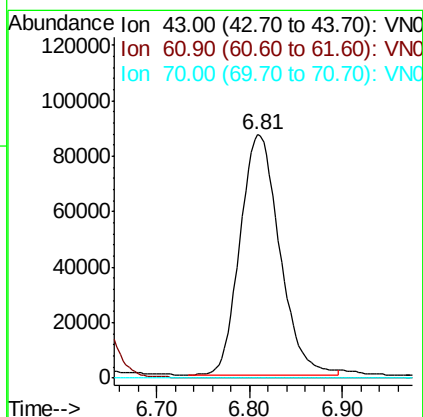
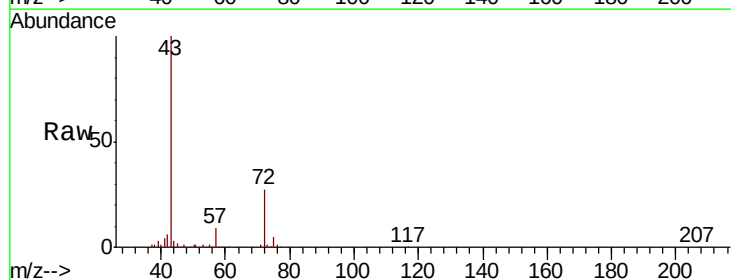
Instrument :
 MSVOA_N
 ClientSampleId :

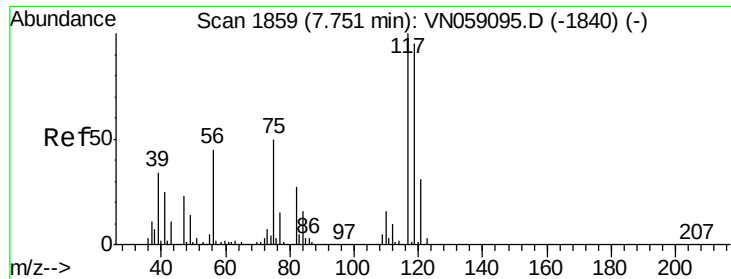
Tot Ion	75	Resp	34802
Ion Ratio	Lower	Upper	
75	100		
110	8.6	17.1	51.2#
77	0.0	24.8	37.2#



#37
 Ethyl Acetate
 Concen: 33.844 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.09 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

Tgt Ion	43	Resp	257417
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.2	16.8#
70	0.0	7.8	11.8#

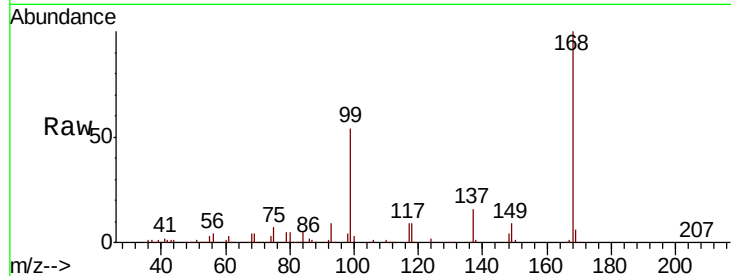




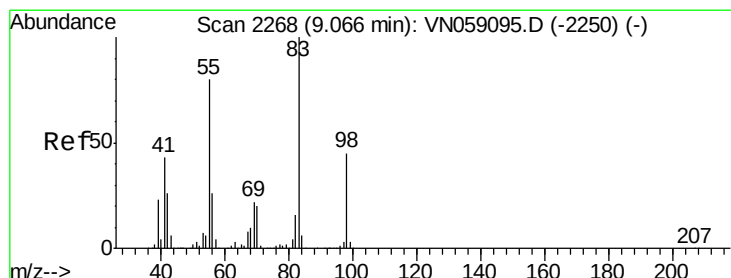
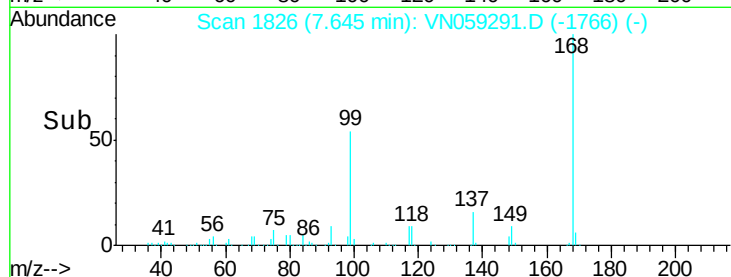
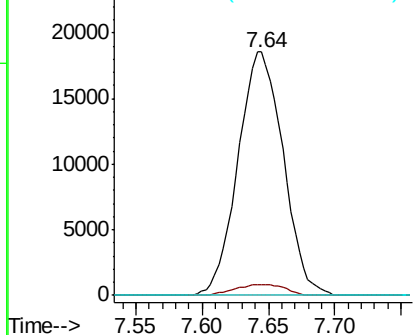
#38
Carbon Tetrachloride
Concen: 6.454 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 43918
Ion Ratio Lower Upper
117 100
119 4.4 75.6 113.4#
121 0.0 24.6 36.8#

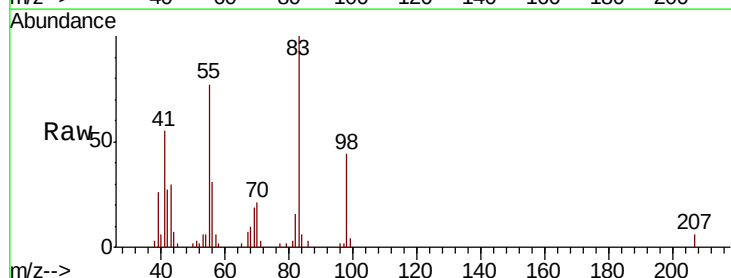


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

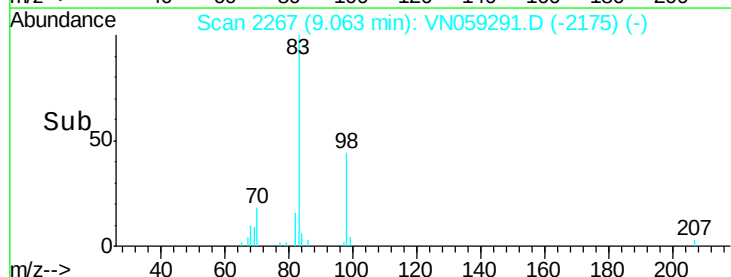
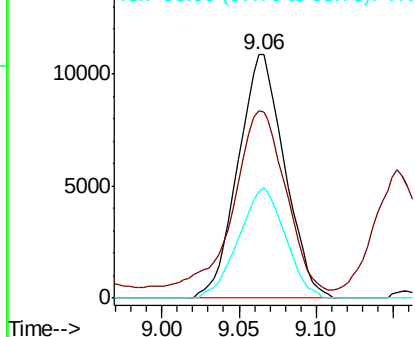


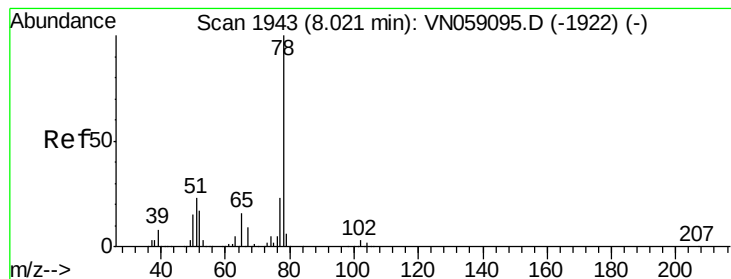
#39
Methylcyclohexane
Concen: 2.862 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Tgt Ion: 83 Resp: 22710
Ion Ratio Lower Upper
83 100
55 73.2 63.9 95.9
98 44.0 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: 104.053 ug/l

RT: 8.02 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

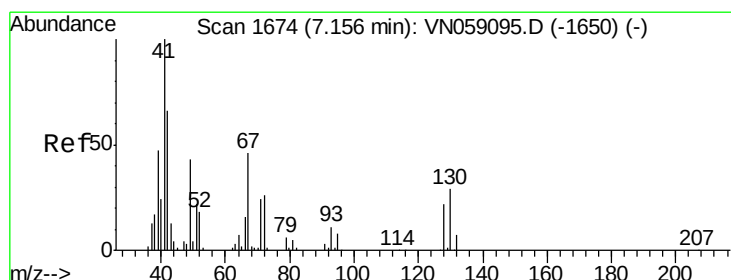
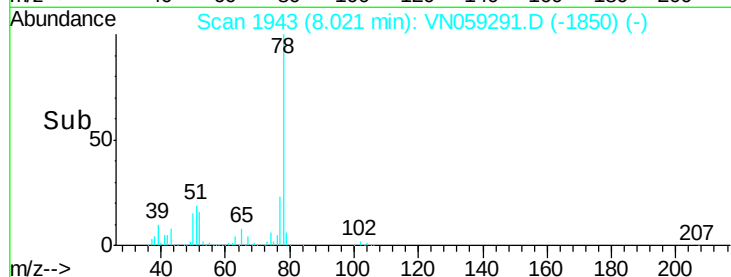
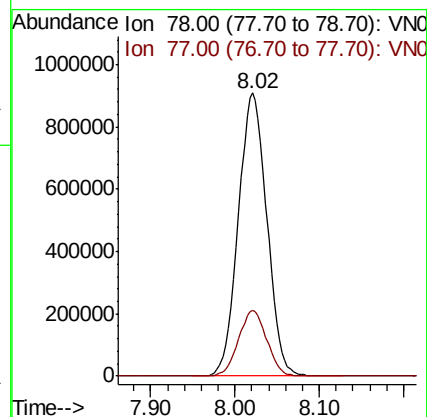
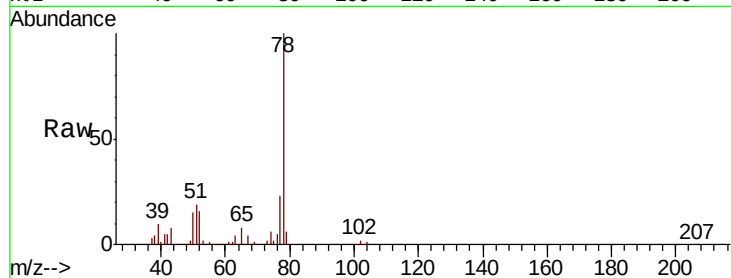
ClientSampleId :

Tot Ion: 78 Resp: 2142320

Ion Ratio Lower Upper

78 100

77 23.1 18.8 28.2



#41

Methacrylonitrile

Concen: 3.847 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.04 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Tgt Ion: 41 Resp: 12722

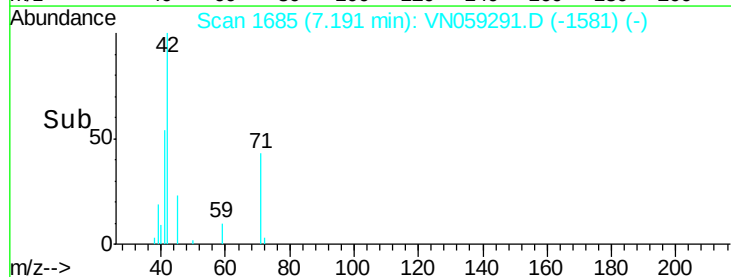
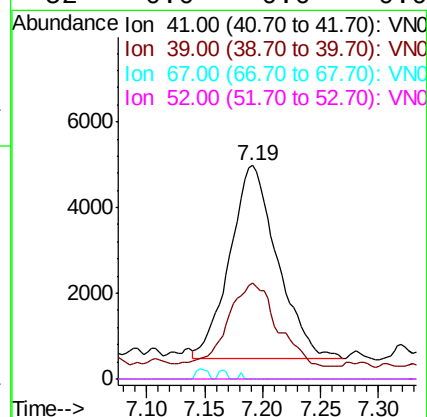
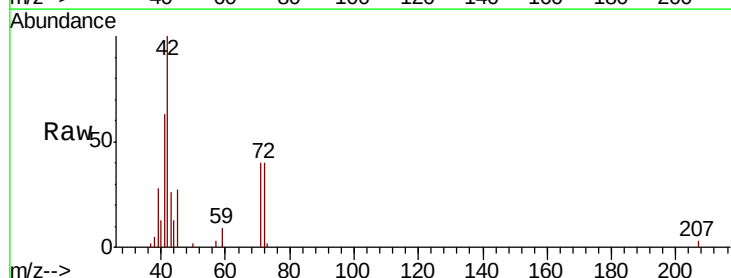
Ion Ratio Lower Upper

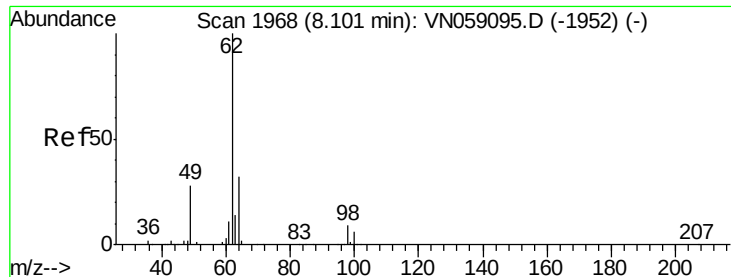
41 100

39 46.2 0.0 0.0#

67 0.2 0.0 0.0#

52 0.0 0.0 0.0

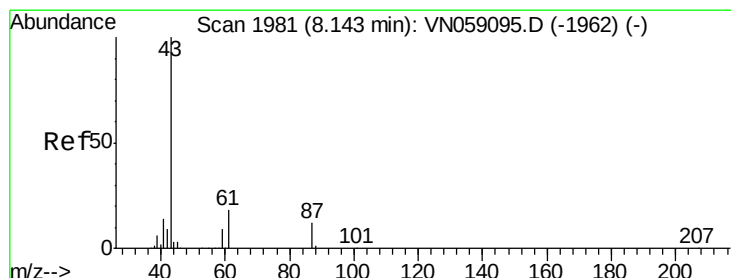
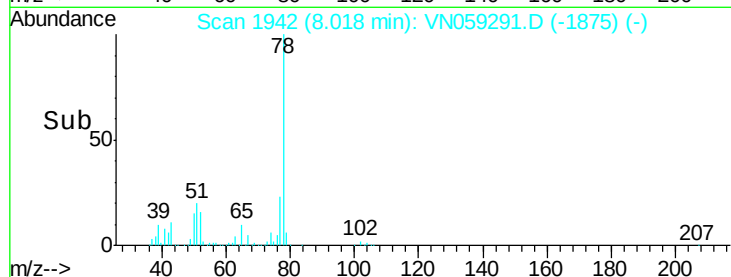
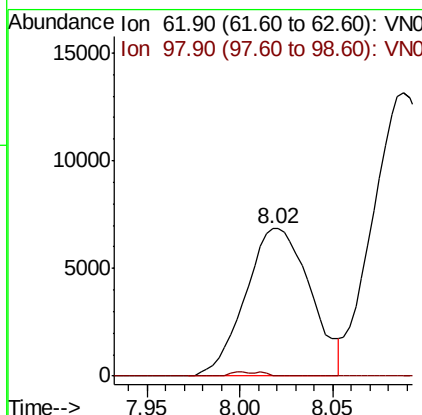
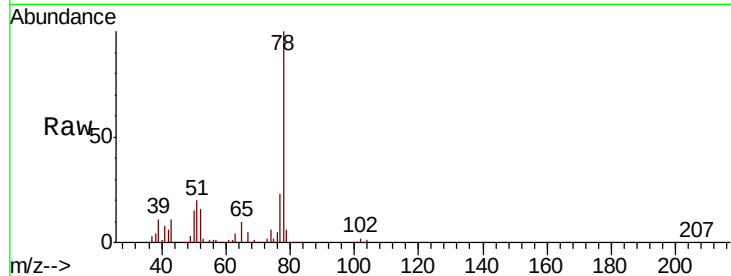




#42
 1,2-Dichloroethane
 Concen: 2.366 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.08 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

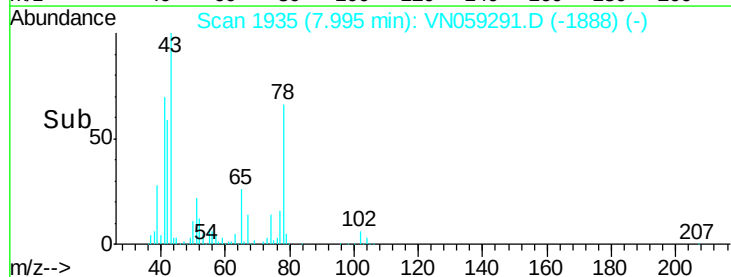
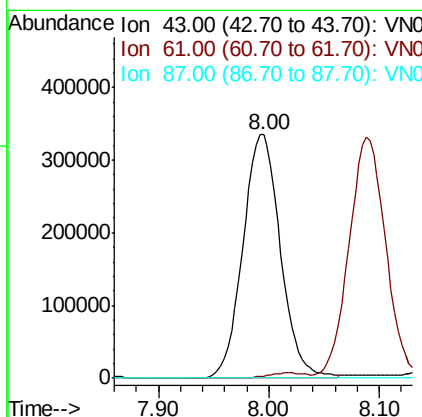
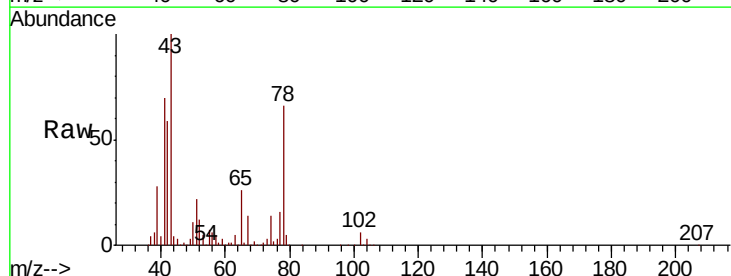
Instrument :
 MSVOA_N
 ClientSampled :

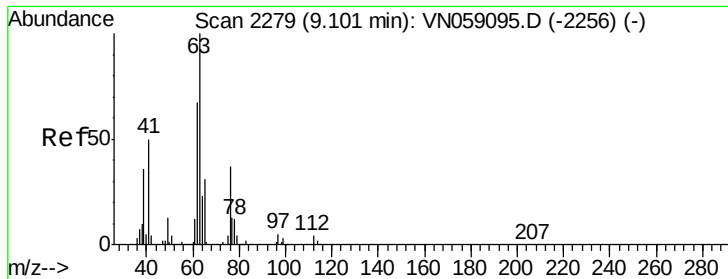
Tot Ion: 62 Resp: 16706
 Ion Ratio Lower Upper
 62 100
 98 1.4 0.0 17.8



#43
 Isopropyl Acetate
 Concen: 64.949 ug/l
 RT: 8.00 min Scan# 1935
 Delta R.T. -0.15 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

Tgt Ion: 43 Resp: 787559
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.0 31.6#
 87 0.0 9.8 14.6#





#45

1,2-Dichloropropane

Concen: 0.279 ug/l

RT: 9.13 min Scan# 2287

Delta R.T. 0.03 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

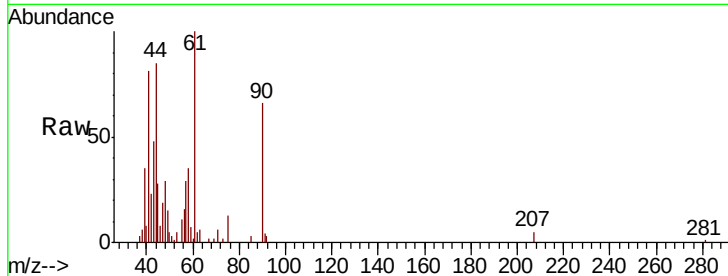
ClientSampleId :

Tot Ion: 63 Resp: 1558

Ion Ratio Lower Upper

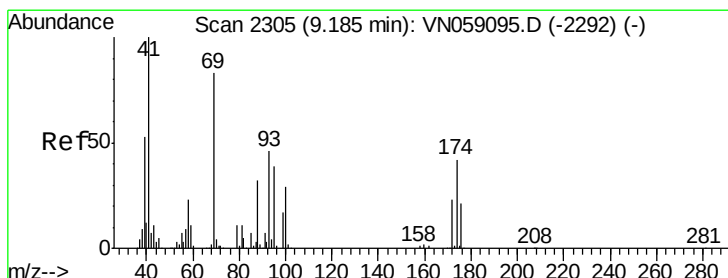
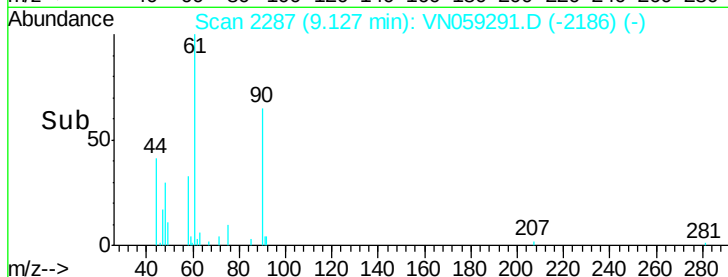
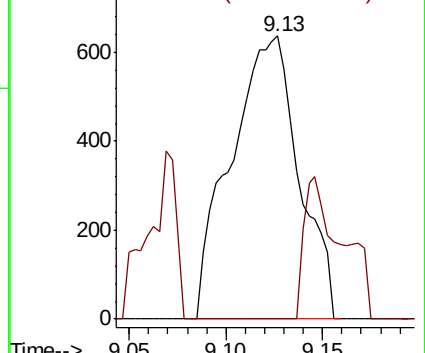
63 100

65 0.0 24.6 37.0#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 12.846 ug/l

RT: 9.15 min Scan# 2295

Delta R.T. -0.03 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

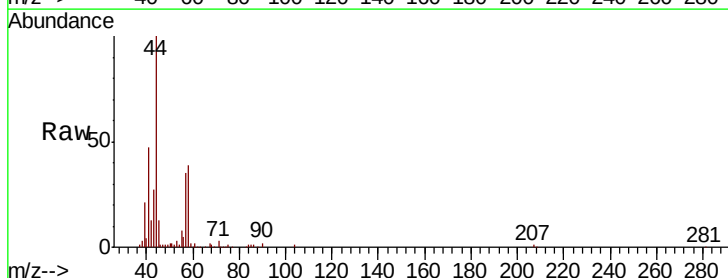
Tgt Ion: 41 Resp: 69675

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

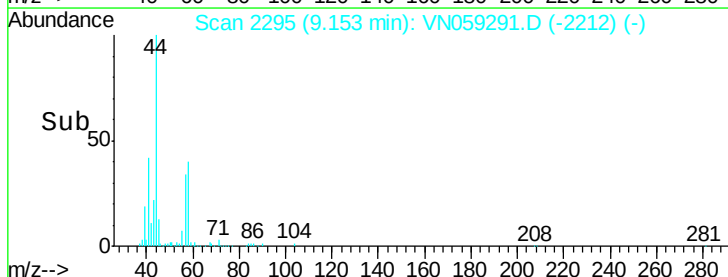
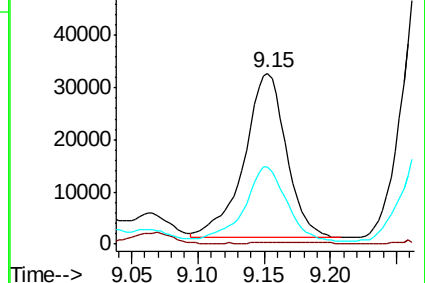
39 45.9 43.3 64.9

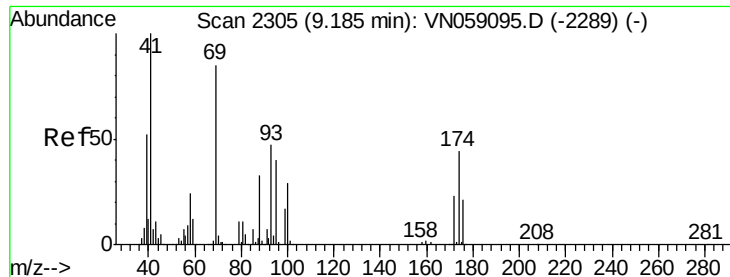


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

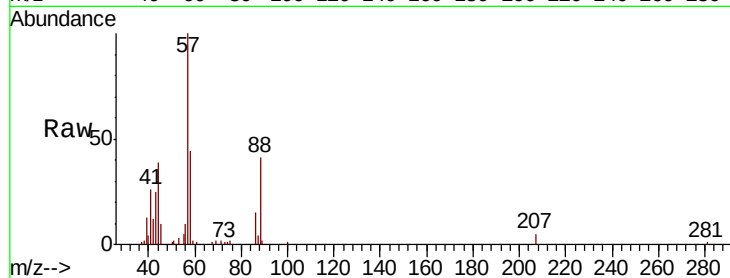




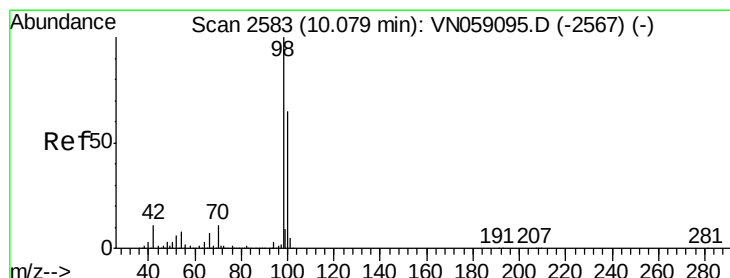
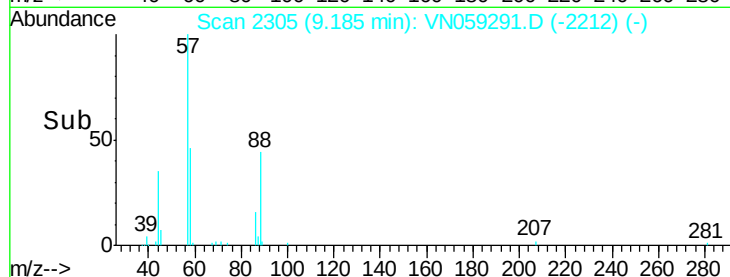
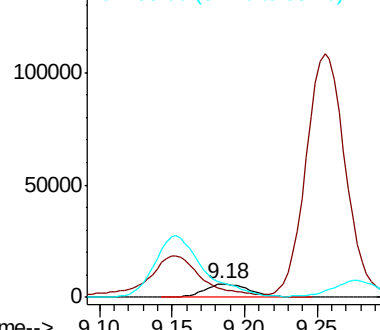
#49
1,4-Dioxane
Concen: 135.388 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 13050
Ion Ratio Lower Upper
88 100
43 0.0 26.3 39.5#
58 0.0 60.6 90.8#

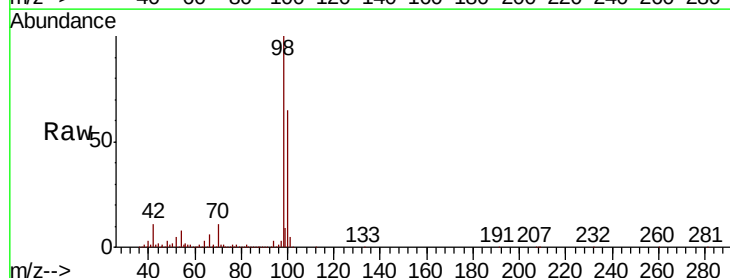


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

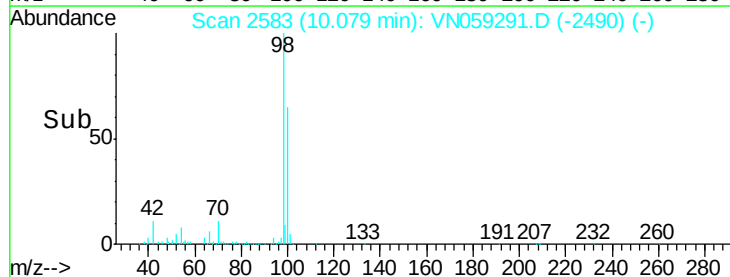
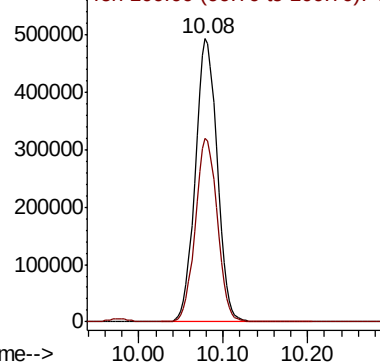


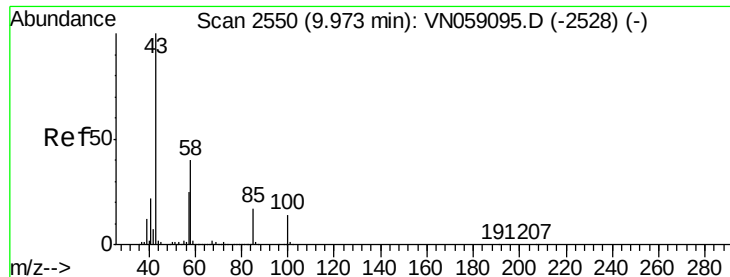
#50
Toluene-d8
Concen: 51.701 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Tgt Ion: 98 Resp: 889426
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



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: 9.350 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

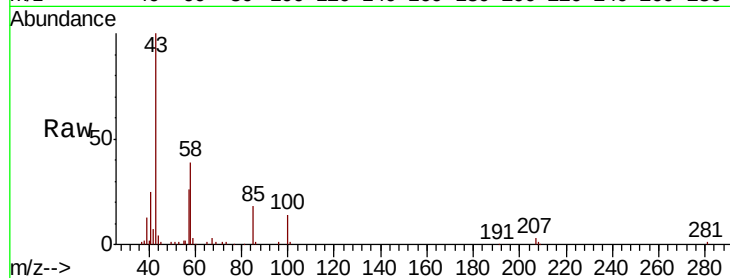
ClientSampled :

Tot Ion: 43 Resp: 64150

Ion Ratio Lower Upper

43 100

58 42.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059291.D (-2457) (-)

Ion 58.00 (57.70 to 58.70): VN059291.D (-2457) (-)

40000

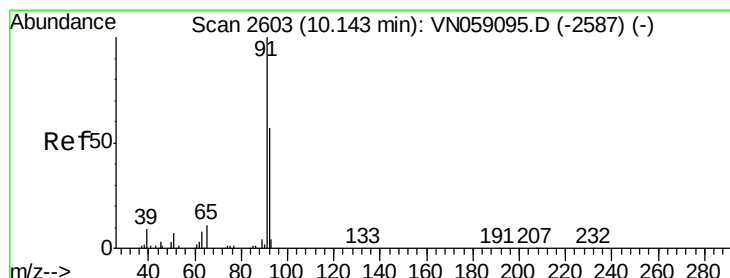
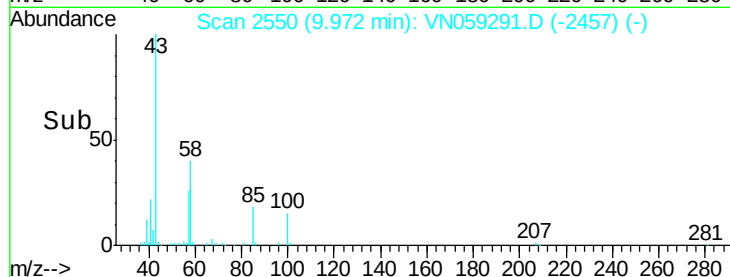
30000

20000

10000

0

Time--> 9.90 9.95 10.00 10.05



#52

Toluene

Concen: 155.111 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059291.D

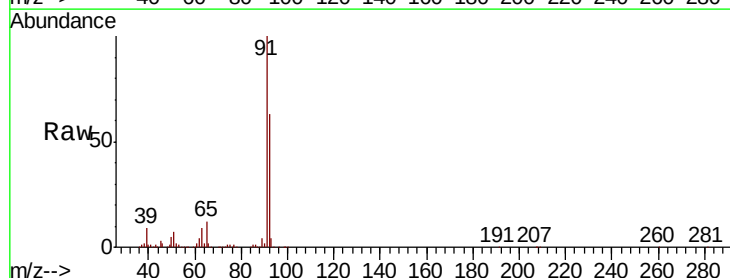
Acq: 18 Nov 2019 17:56

Tgt Ion: 92 Resp: 1914109

Ion Ratio Lower Upper

92 100

91 165.0 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059291.D (-2510) (-)

Ion 91.00 (90.70 to 91.70): VN059291.D (-2510) (-)

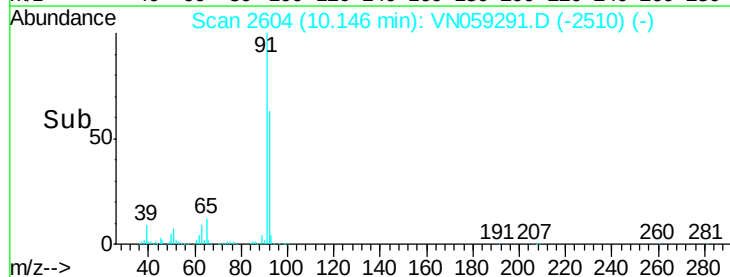
1500000

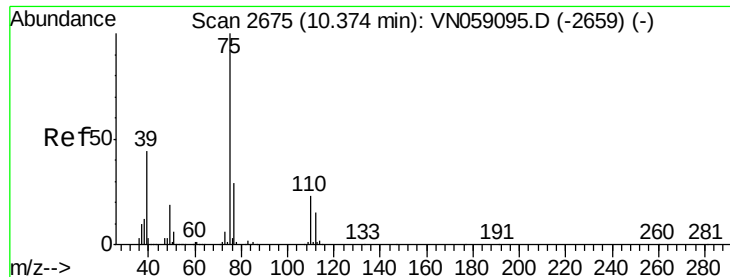
1000000

500000

0

Time--> 10.10 10.20





#53

t-1,3-Dichloropropene

Concen: 0.915 ug/l

RT: 10.45 min Scan# 2699

Delta R.T. 0.08 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

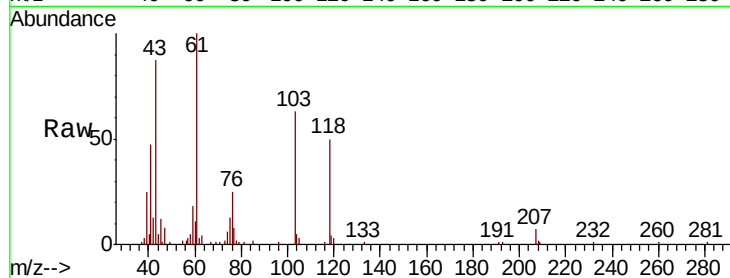
ClientSampled :

Tot Ion: 75 Resp: 7356

Ion Ratio Lower Upper

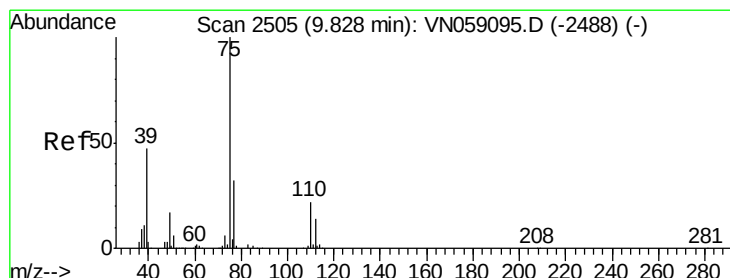
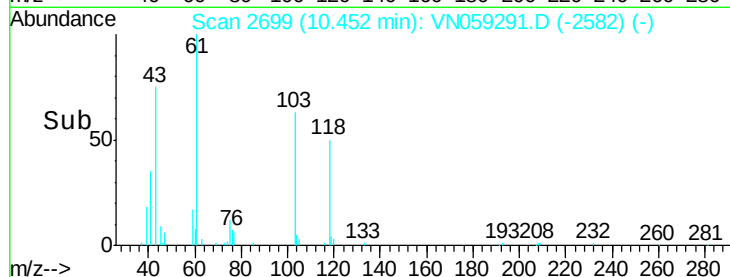
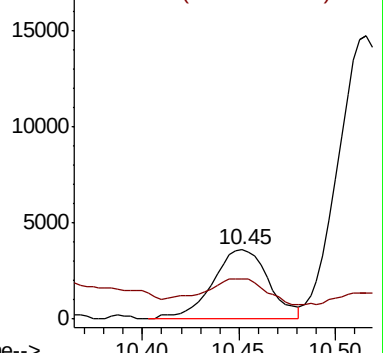
75 100

77 38.3 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: 0.753 ug/l

RT: 9.80 min Scan# 2496

Delta R.T. -0.03 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

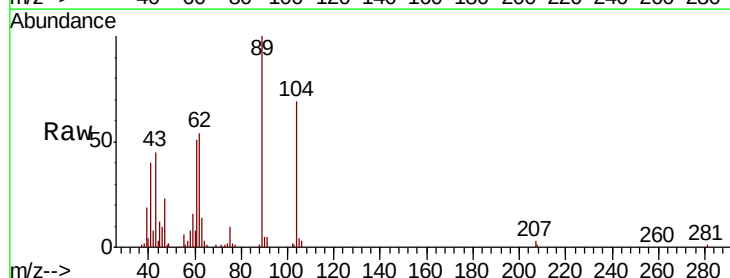
Tgt Ion: 75 Resp: 6512

Ion Ratio Lower Upper

75 100

77 7.5 25.5 38.3#

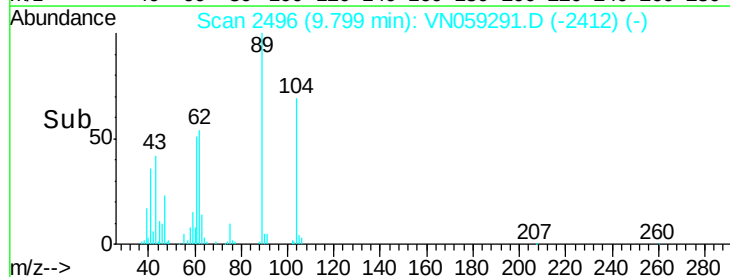
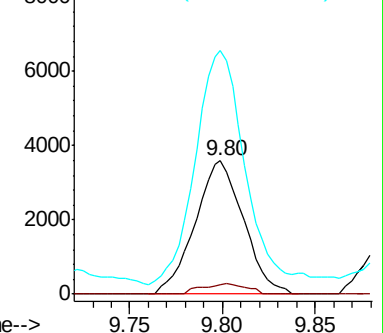
39 175.3 37.3 55.9#

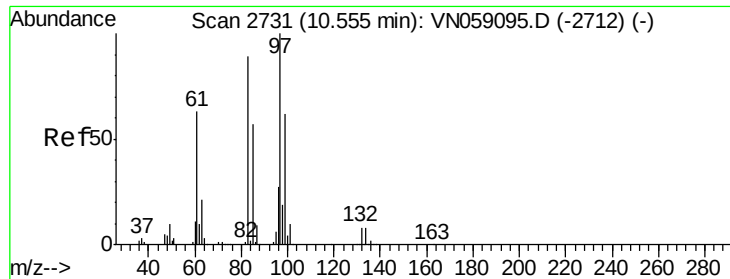


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

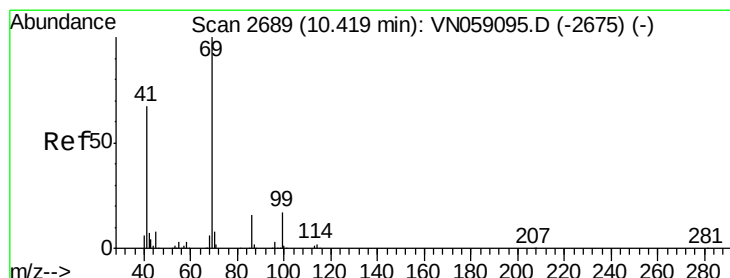
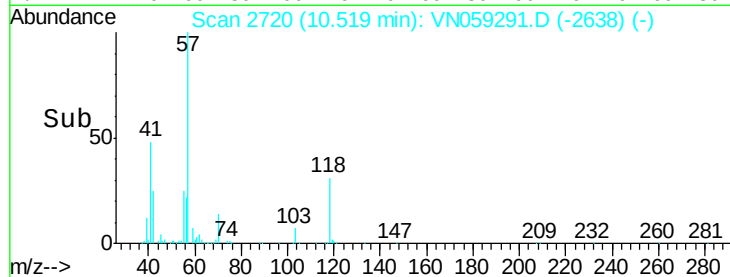
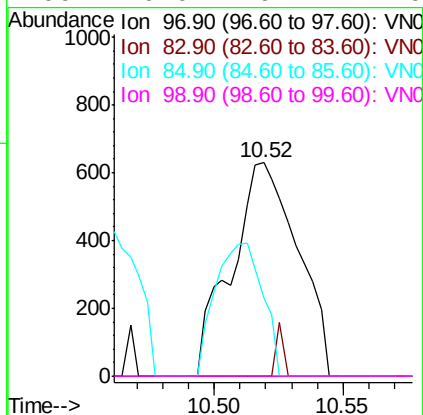
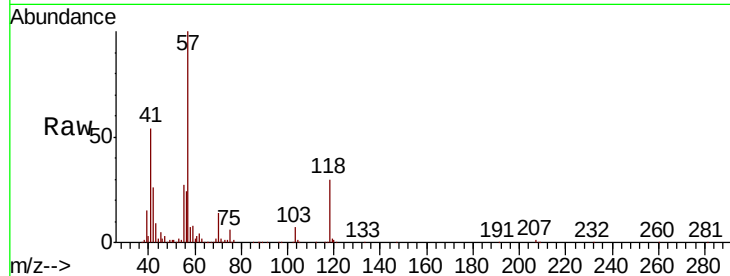




#55
 1,1,2-Trichloroethane
 Concen: 0.226 ug/l
 RT: 10.52 min Scan# 2720
 Delta R.T. -0.04 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

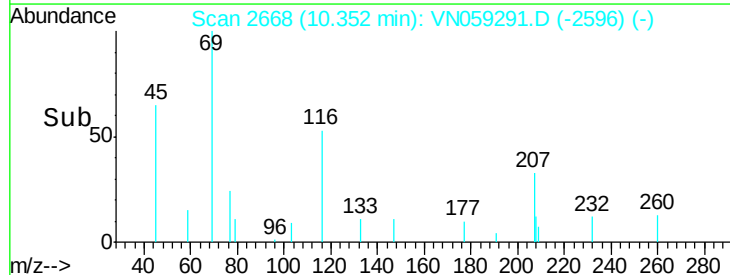
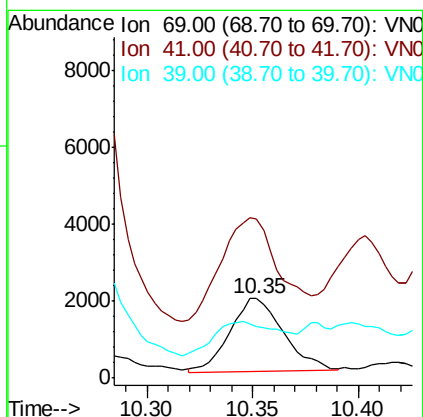
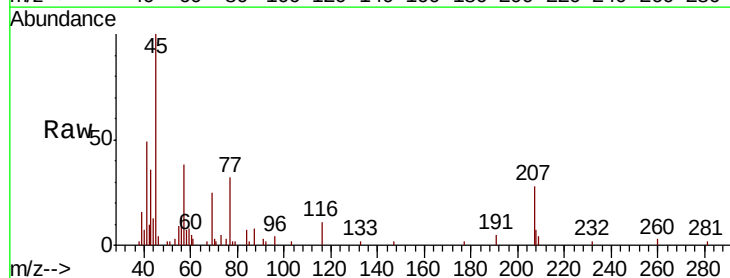
Instrument :
 MSVOA_N
 ClientSampleId :

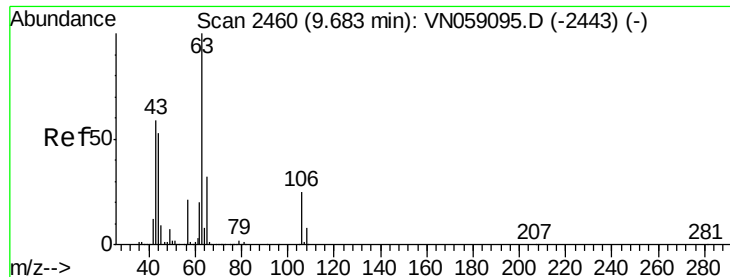
Tot Ion:	97	Resp:	1130
Ion	Ratio	Lower	Upper
97	100		
83	0.0	71.0	106.4#
85	36.8	45.8	68.8#
99	0.0	49.4	74.0#



#56
 Ethyl methacrylate
 Concen: 2.266 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. -0.07 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

Tgt Ion:	69	Resp:	3401
Ion	Ratio	Lower	Upper
69	100		
41	0.0	53.6	80.4#
39	0.0	26.2	39.4#





#58

2-Chloroethyl Vinyl ether

Concen: 3.147 ug/l

RT: 9.80 min Scan# 2496

Delta R.T. 0.12 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

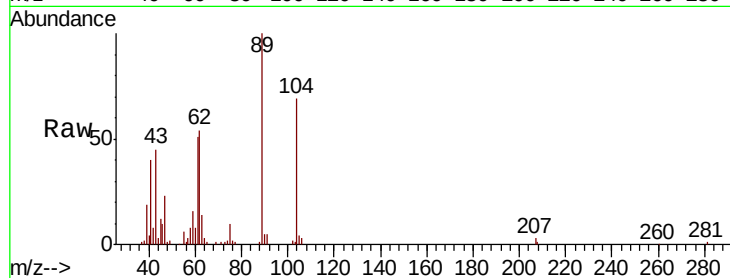
ClientSampled :

Tot Ion: 63 Resp: 8748

Ion Ratio Lower Upper

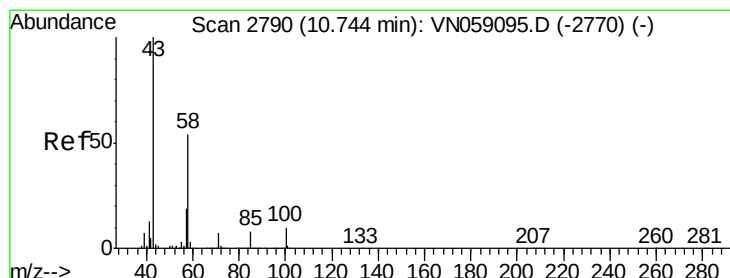
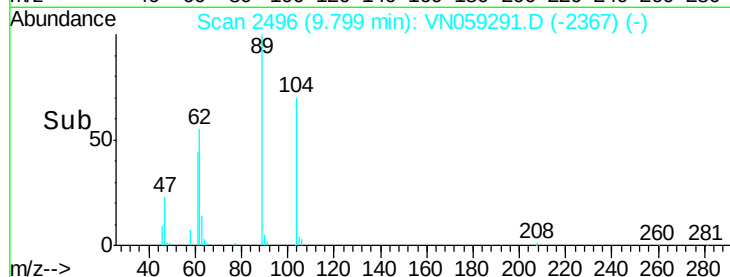
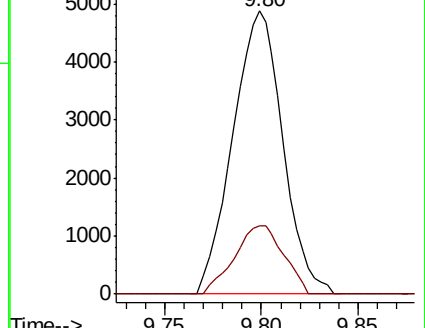
63 100

106 23.9 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059291.D (-2367) (-)

Ion 105.90 (105.60 to 106.60): VN059291.D (-2367) (-)



#59

2-Hexanone

Concen: 4.349 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN059291.D

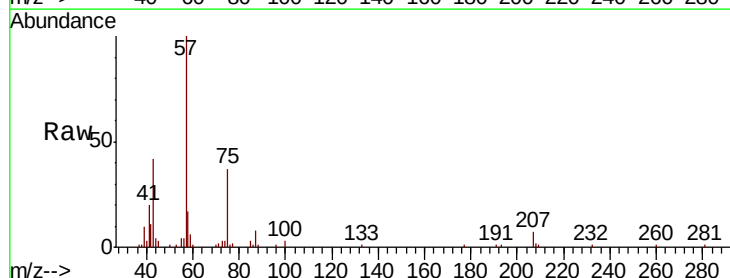
Acq: 18 Nov 2019 17:56

Tgt Ion: 43 Resp: 22903

Ion Ratio Lower Upper

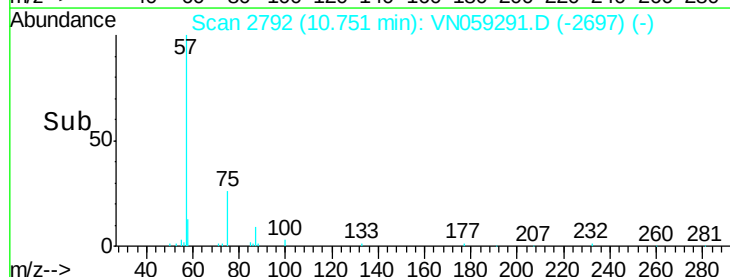
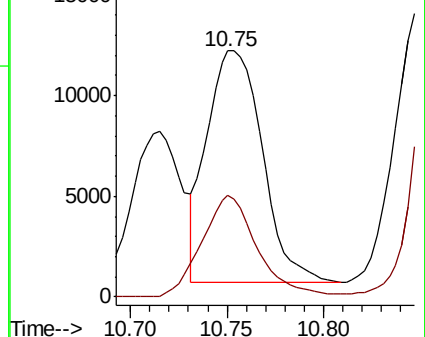
43 100

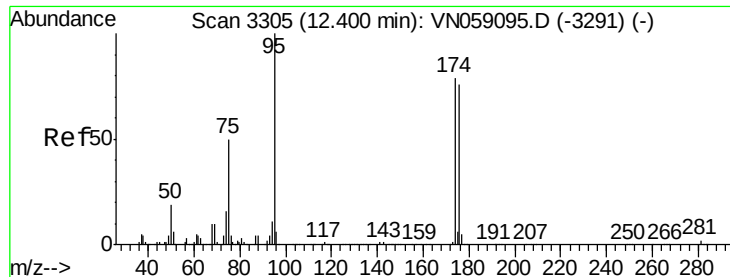
58 44.2 27.3 81.8



Abundance Ion 43.00 (42.70 to 43.70): VN059291.D (-2697) (-)

Ion 58.00 (57.70 to 58.70): VN059291.D (-2697) (-)

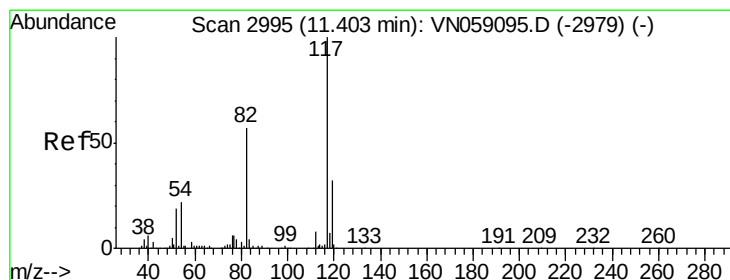
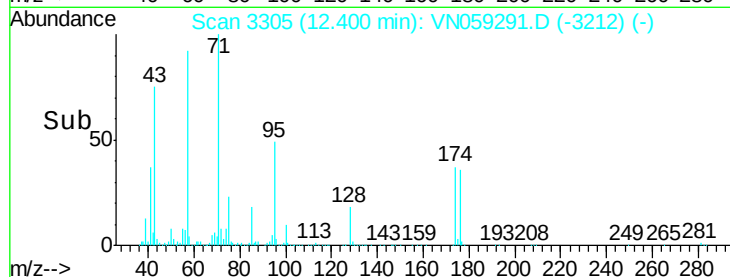
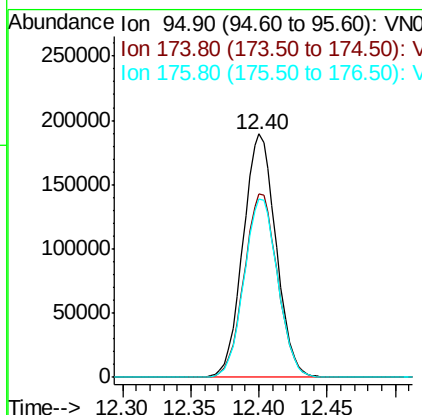
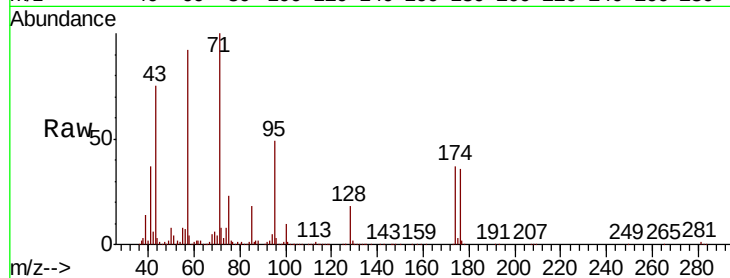




#62
4-Bromofluorobenzene
Concen: 51.174 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

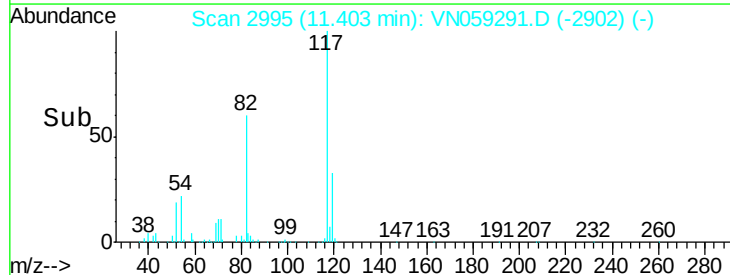
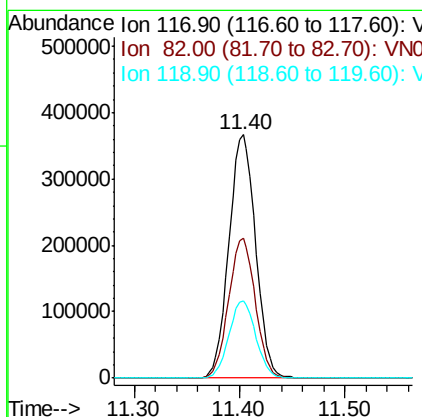
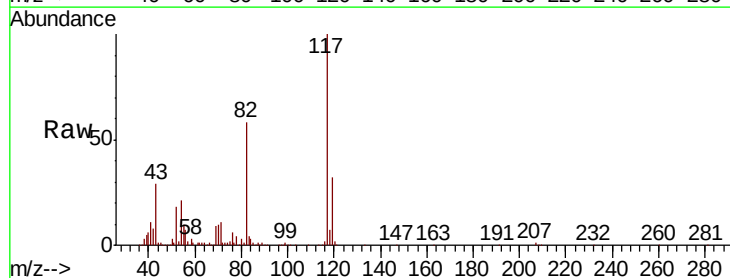
Instrument :
MSVOA_N
ClientSampled :

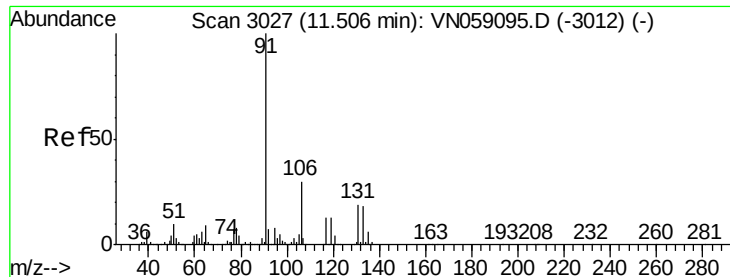
Tot Ion: 95 Resp: 317425
Ion Ratio Lower Upper
95 100
174 76.5 0.0 158.2
176 74.7 0.0 151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Tgt Ion: 117 Resp: 642240
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.8
119 31.6 25.8 38.6





#66

1,1,1,2-Tetrachloroethane

Concen: 0.608 ug/l

RT: 11.74 min Scan# 3100

Delta R.T. 0.23 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

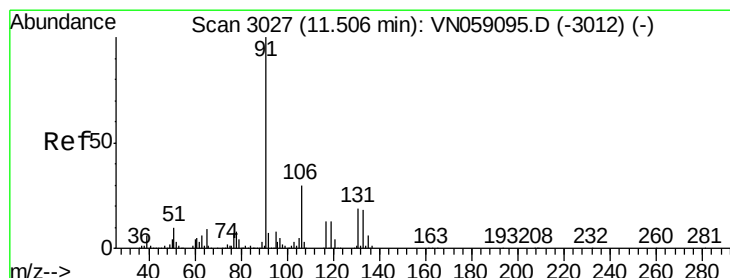
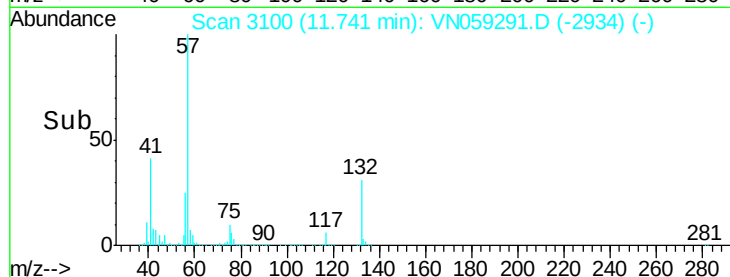
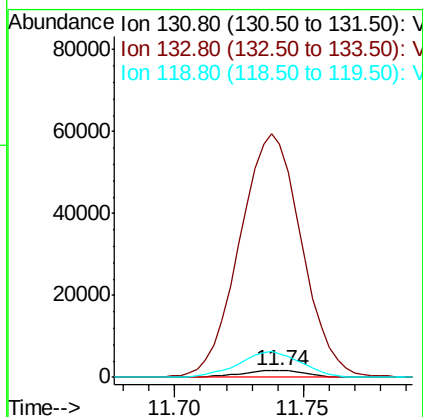
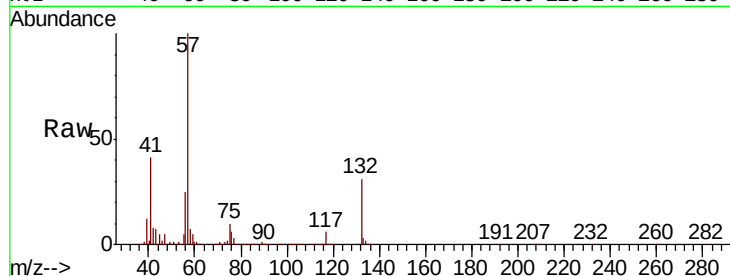
Tot Ion:131 Resp: 2855

Ion Ratio Lower Upper

131 100

133 3510.5 47.4 142.3#

119 374.2 33.2 99.6#



#67

Ethyl Benzene

Concen: 81.649 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059291.D

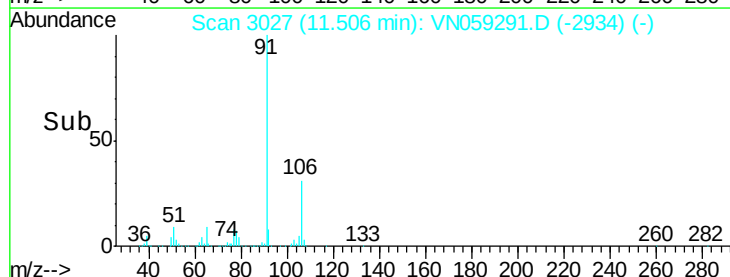
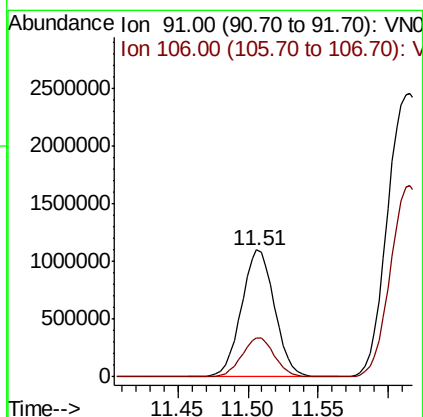
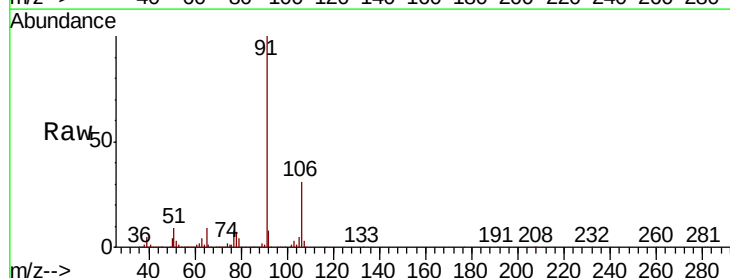
Acq: 18 Nov 2019 17:56

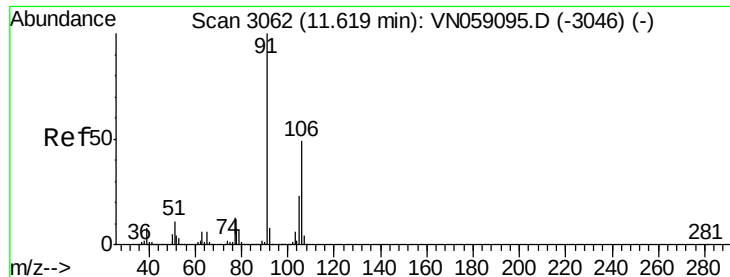
Tgt Ion: 91 Resp: 1813668

Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1

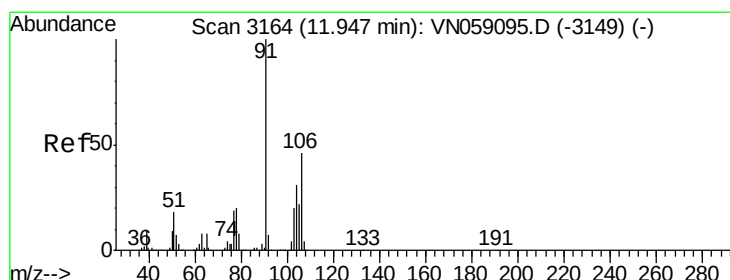
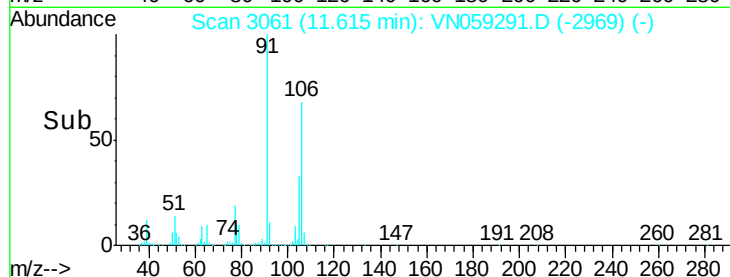
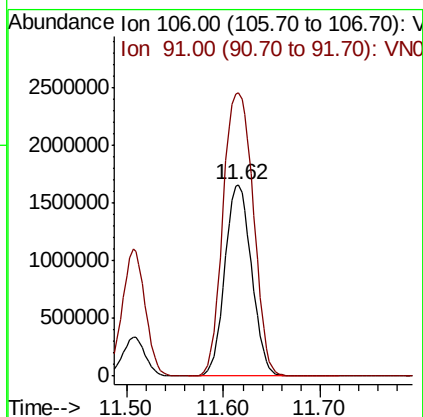
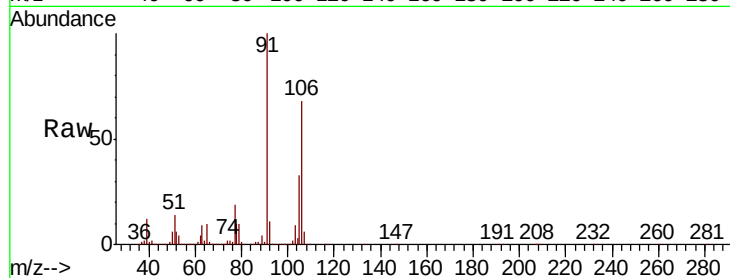




#68
m/p-Xylenes
Concen: 382.151 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

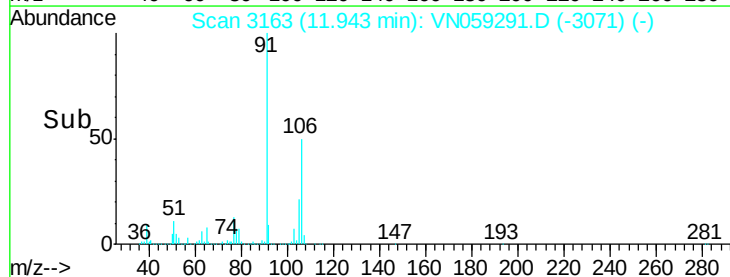
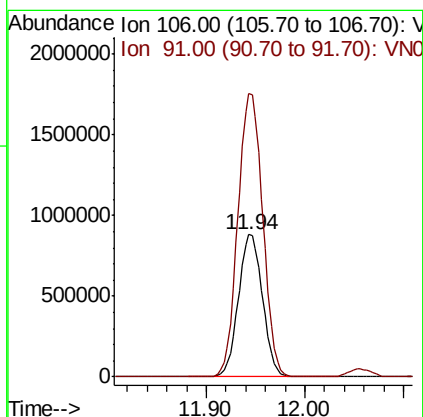
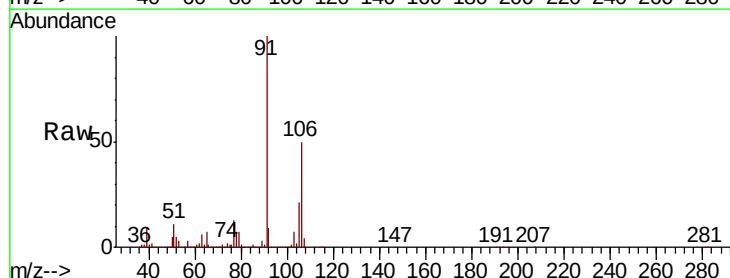
Instrument :
MSVOA_N
ClientSampled :

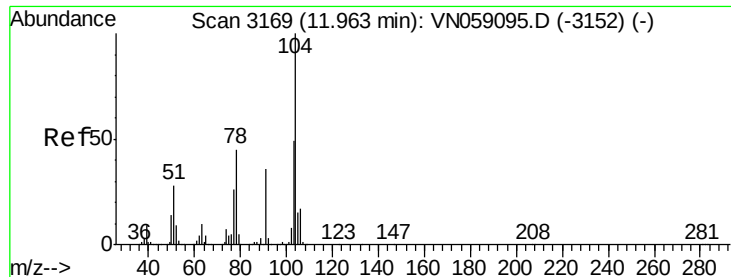
Tot Ion:106 Resp: 3179757
Ion Ratio Lower Upper
106 100
91 168.2 164.7 247.1



#69
o-Xylene
Concen: 184.586 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Tgt Ion:106 Resp: 1484277
Ion Ratio Lower Upper
106 100
91 206.3 110.1 330.3





#70

Stvrene

Concen: 5.674 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. -0.02 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

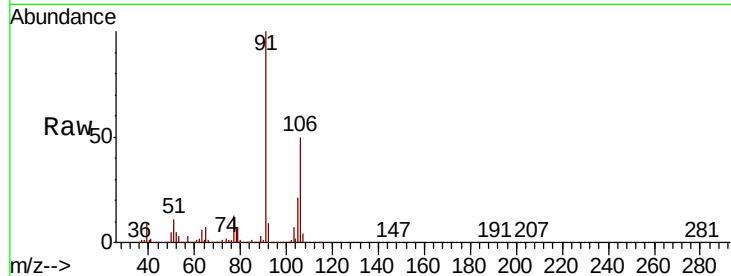
Tot Ion:104 Resp: 71752

Ion Ratio Lower Upper

104 100

78 292.0 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

150000

100000

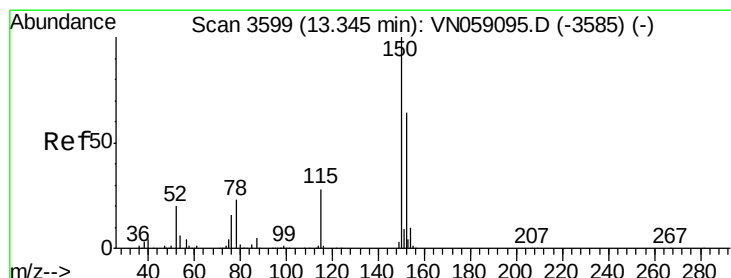
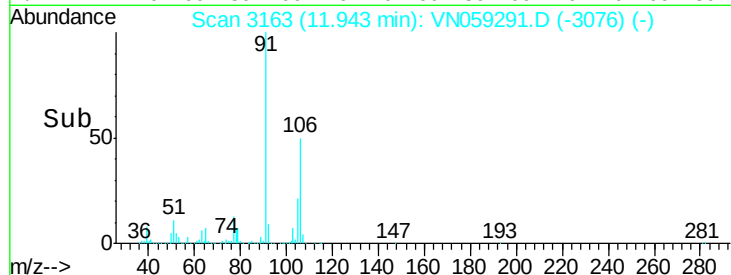
50000

0

11.94

11.90 11.95 12.00

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

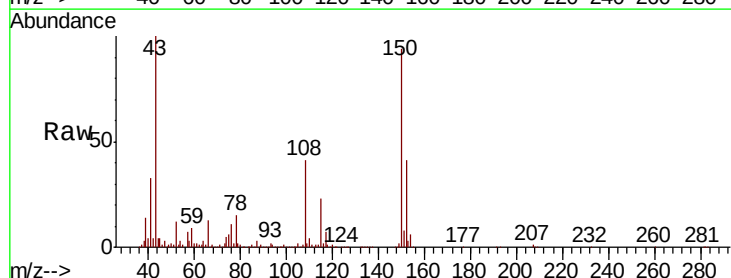
Tgt Ion:152 Resp: 342840

Ion Ratio Lower Upper

152 100

115 56.9 29.4 88.2

150 325.7 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

600000

400000

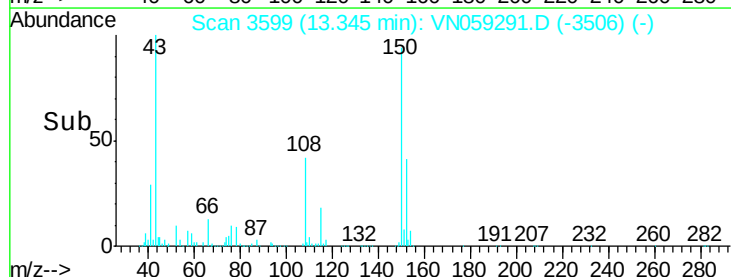
200000

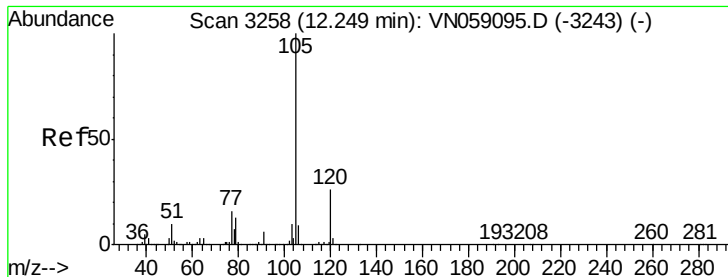
0

13.35

13.30 13.40

Time-->





#73

Isopropylbenzene

Concen: 2.167 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

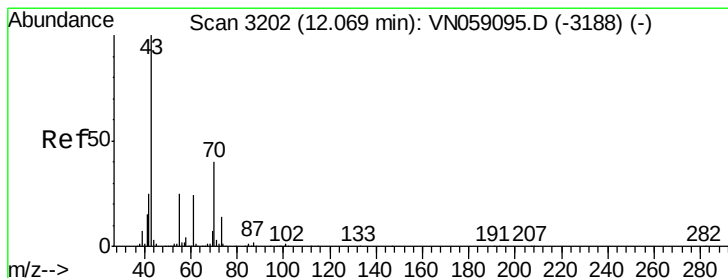
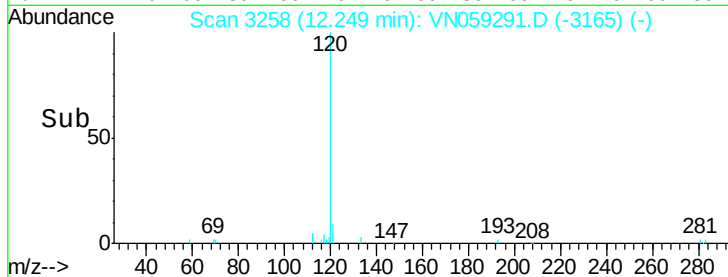
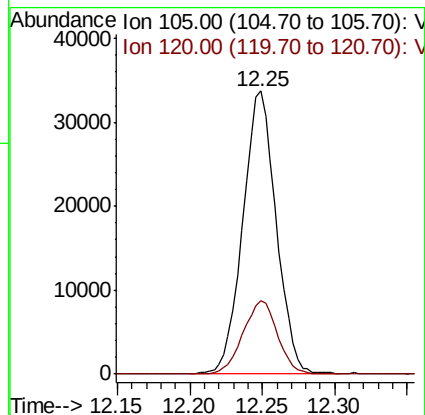
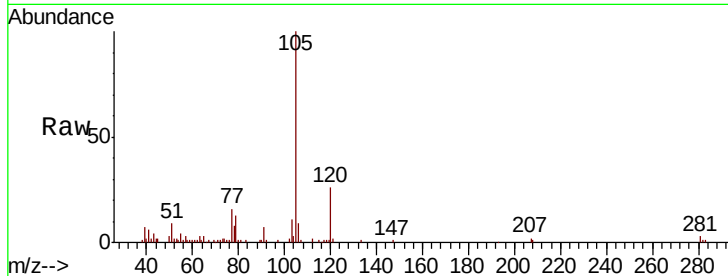
ClientSampleId :

Tot Ion: 105 Resp: 54050

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.3



#74

N-ethyl acetate

Concen: 0.489 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.06 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Tgt Ion: 43 Resp: 5170

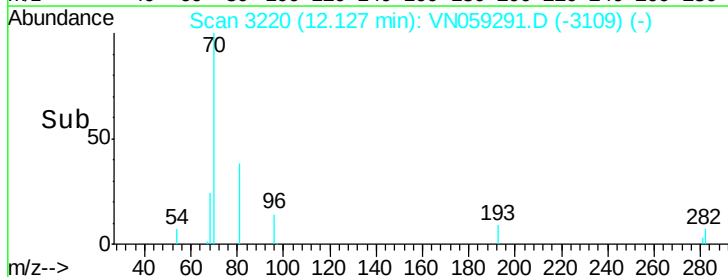
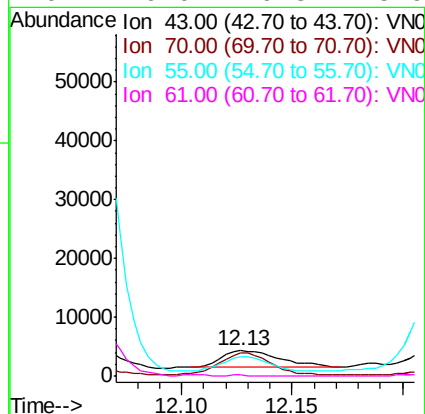
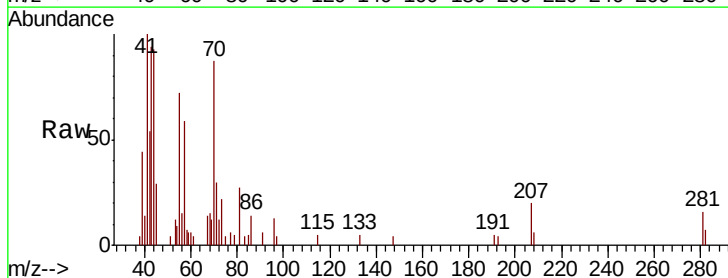
Ion Ratio Lower Upper

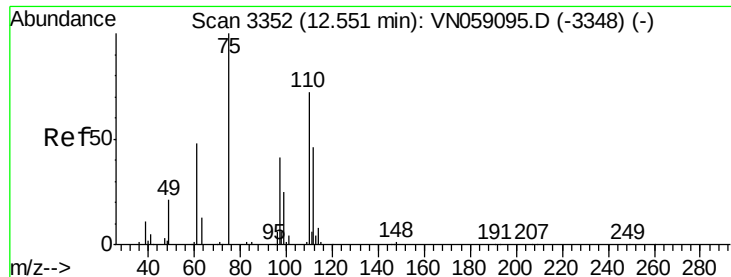
43 100

70 117.4 32.2 48.4#

55 0.0 20.4 30.6#

61 0.0 19.3 28.9#





#76

1,2,3-Trichloropropane

Concen: 19.717 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

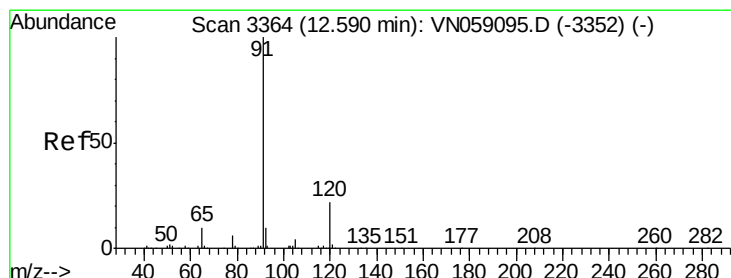
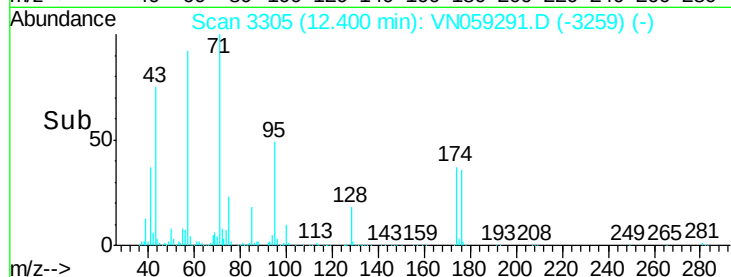
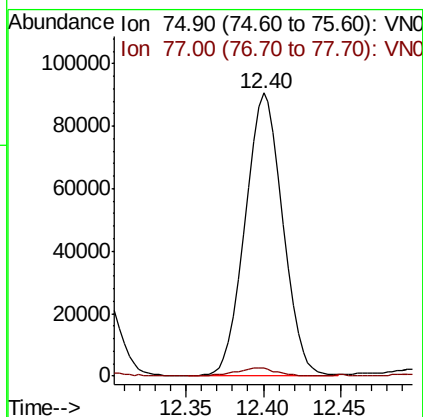
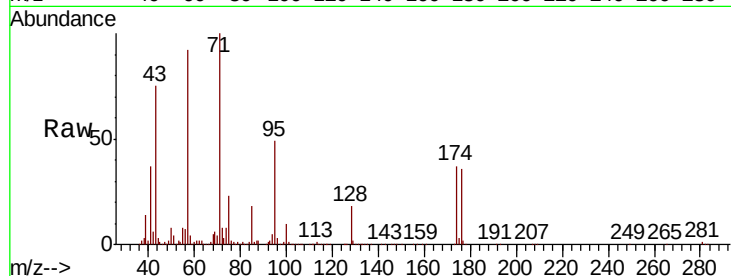
ClientSampled :

Tot Ion: 75 Resp: 153895

Ion Ratio Lower Upper

75 100

77 3.3 0.0 0.0#



#78

n-propylbenzene

Concen: 2.054 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059291.D

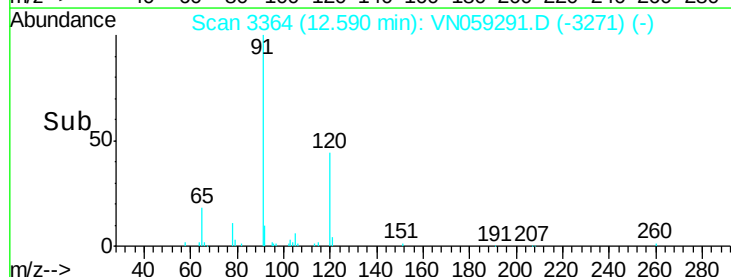
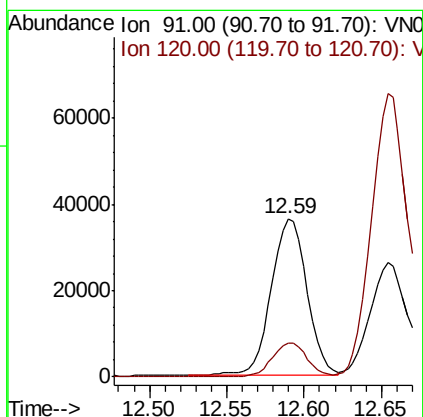
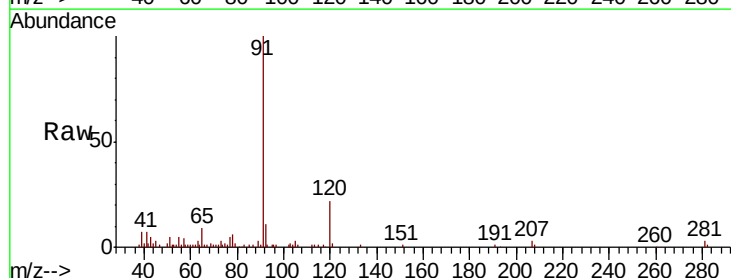
Acq: 18 Nov 2019 17:56

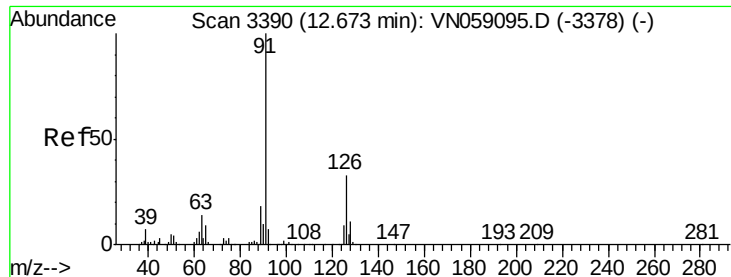
Tgt Ion: 91 Resp: 58661

Ion Ratio Lower Upper

91 100

120 21.1 11.2 33.5

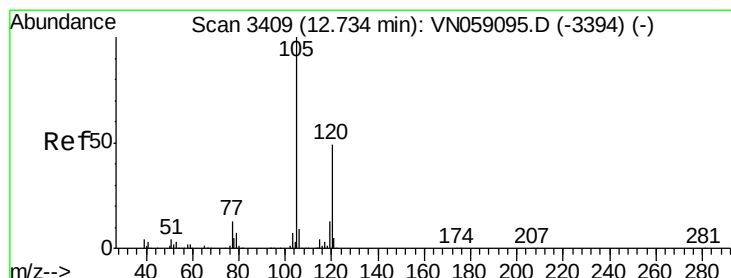
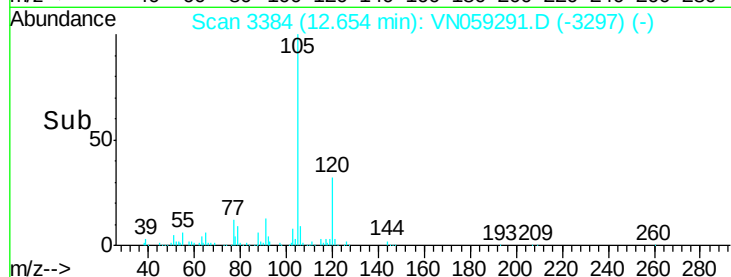
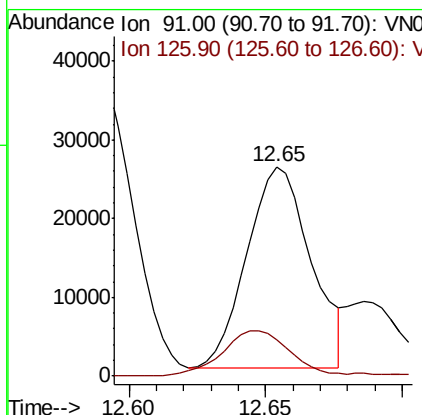
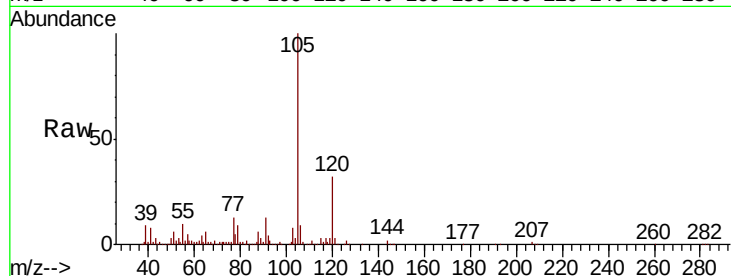




#79
 2-Chlorotoluene
 Concen: 2.346 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

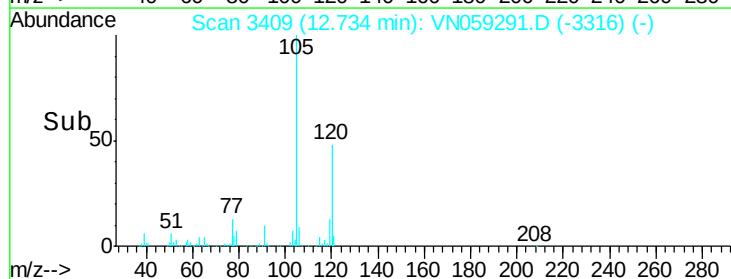
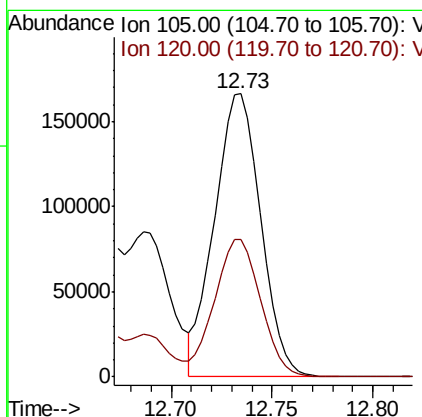
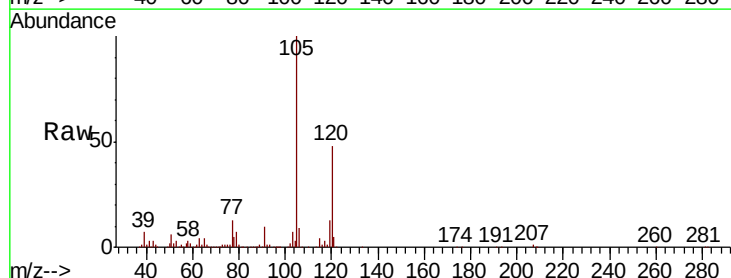
Instrument :
 MSVOA_N
 ClientSampled :

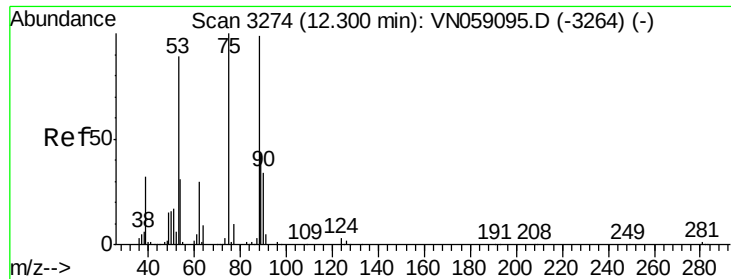
Tot Ion: 91 Resp: 41550
 Ion Ratio Lower Upper
 91 100
 126 23.9 16.7 50.1



#80
 1,3,5-Trimethylbenzene
 Concen: 12.548 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

Tgt Ion: 105 Resp: 265150
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.0 72.0

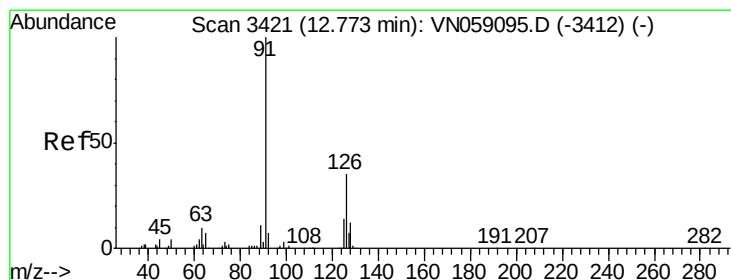
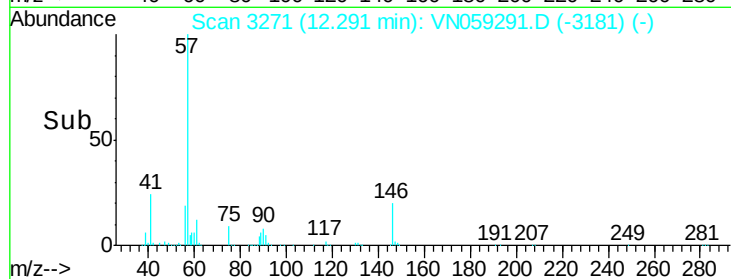
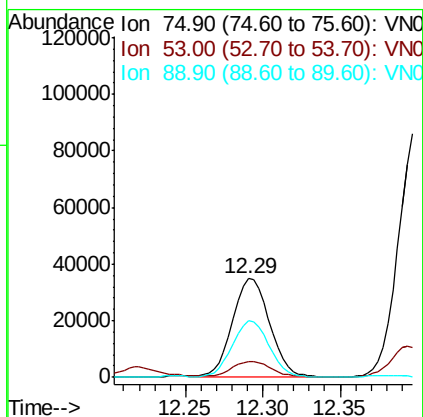
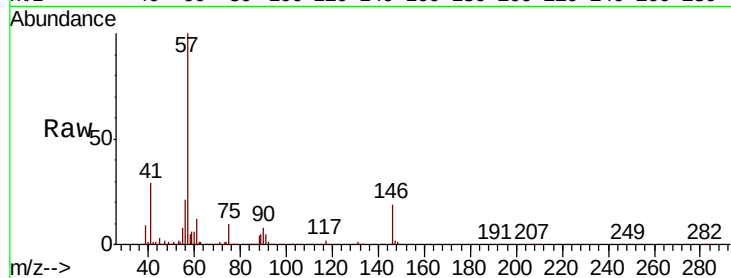




#81
trans-1,4-Dichloro-2-butene
Concen: 19.903 ug/l
RT: 12.29 min Scan# 3271
Delta R.T. -0.01 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

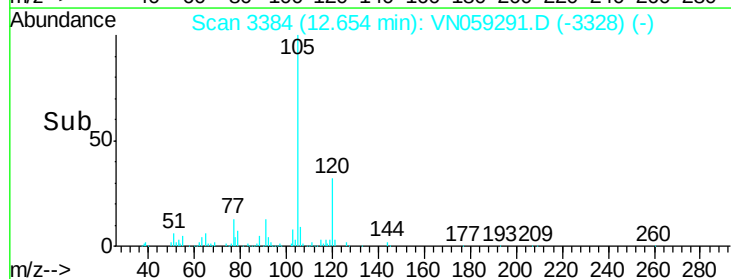
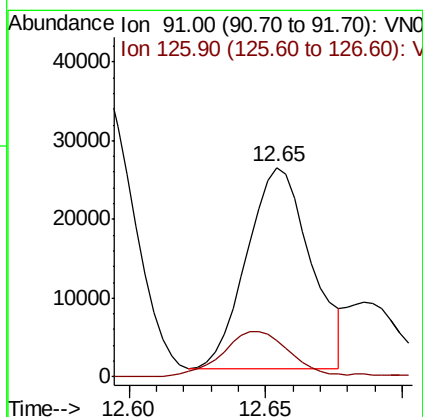
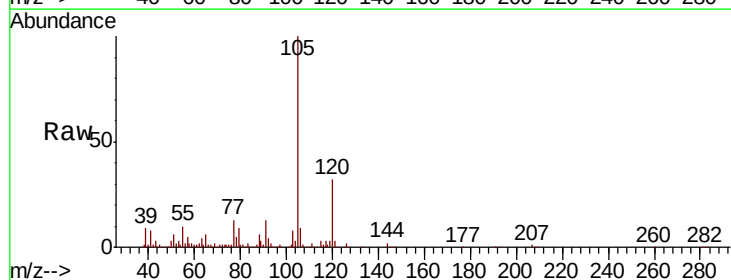
Instrument :
MSVOA_N
ClientSampled :

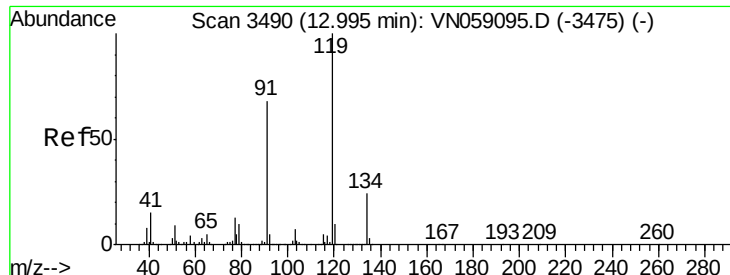
Tot Ion: 75 Resp: 58815
Ion Ratio Lower Upper
75 100
53 16.4 72.2 108.2#
89 56.6 35.8 53.8#



#82
4-Chlorotoluene
Concen: 2.339 ug/l
RT: 12.65 min Scan# 3384
Delta R.T. -0.12 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

Tgt Ion: 91 Resp: 41550
Ion Ratio Lower Upper
91 100
126 23.9 16.1 48.2

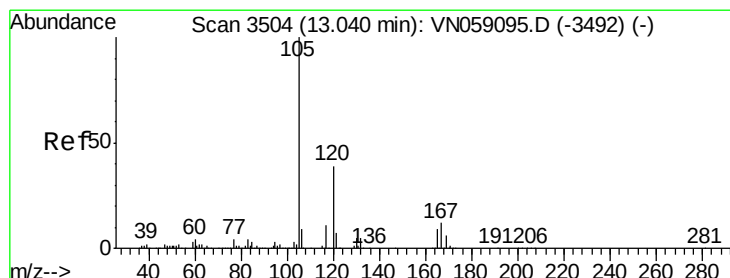
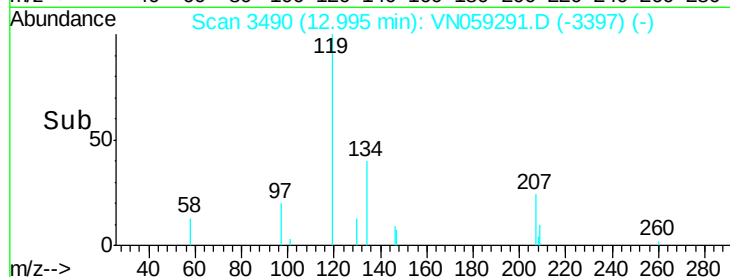
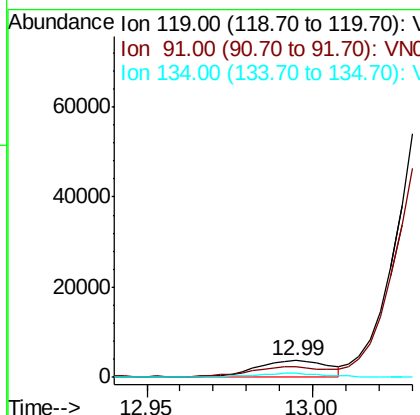
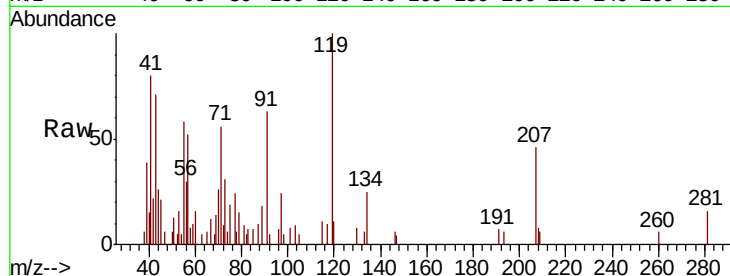




#83
 tert-Butylbenzene
 Concen: 0.313 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

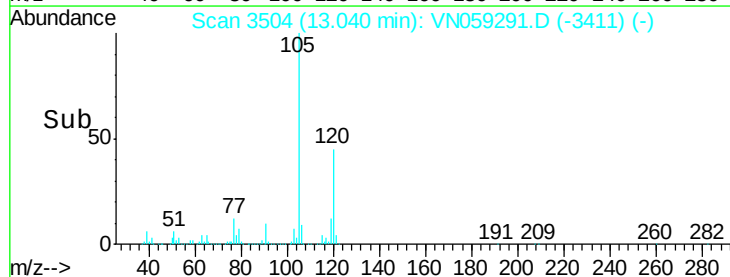
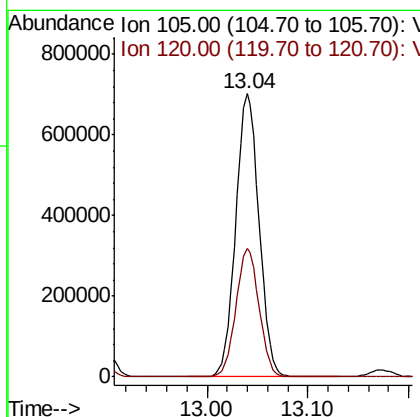
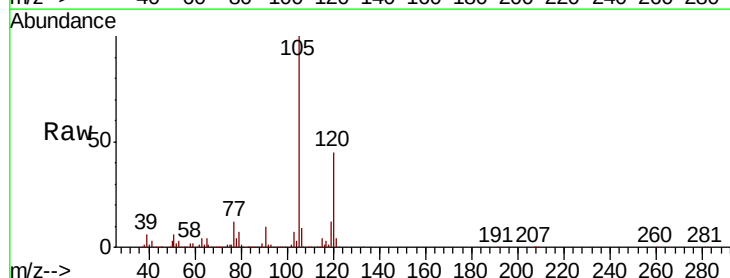
Instrument :
 MSVOA_N
 ClientSampleId :

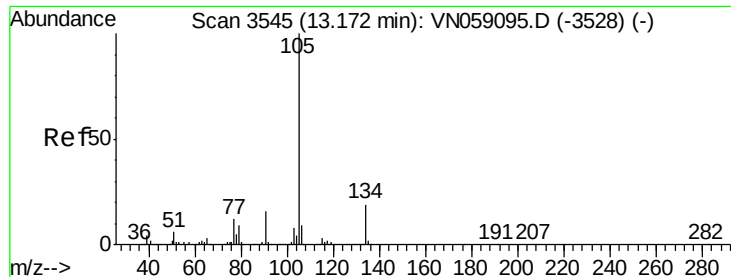
Tot Ion:119 Resp: 5717
 Ion Ratio Lower Upper
 119 100
 91 0.0 33.2 99.6#
 134 23.3 12.7 38.1



#84
 1,2,4-Trimethylbenzene
 Concen: 55.104 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059291.D
 Acq: 18 Nov 2019 17:56

Tgt Ion:105 Resp: 1126576
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 47.468 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

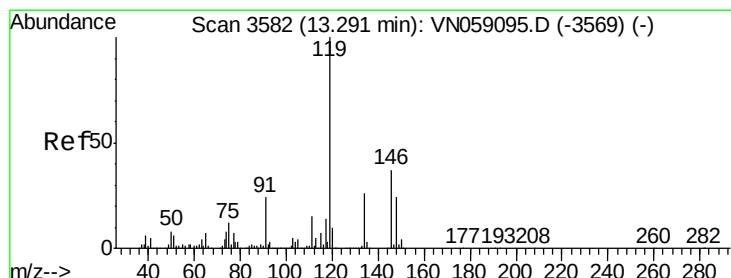
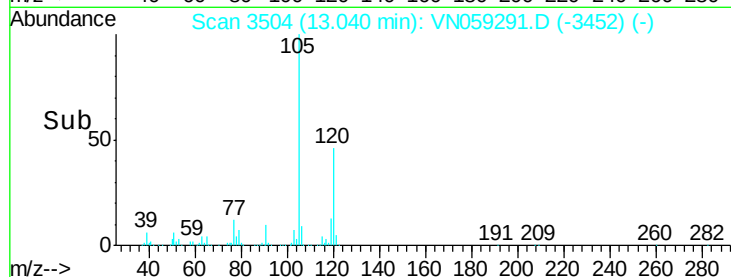
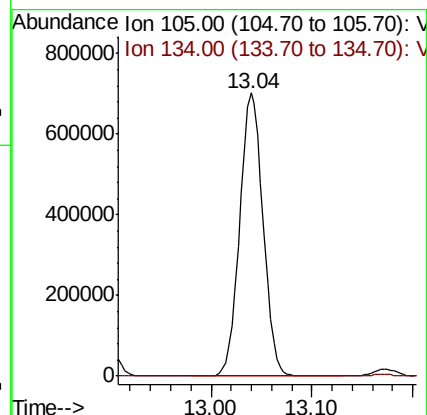
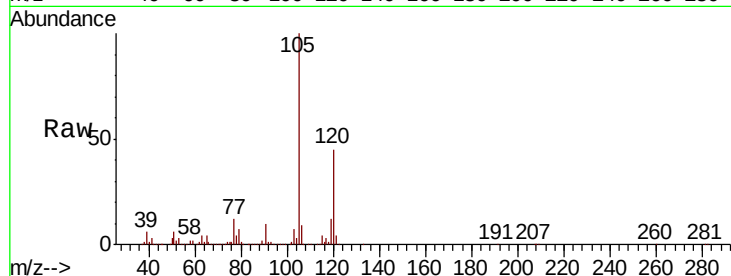
ClientSampleId :

Tot Ion:105 Resp: 1126576

Ion Ratio Lower Upper

105 100

134 0.0 9.7 29.1#



#86

p-Isopropyltoluene

Concen: 0.627 ug/l

RT: 13.44 min Scan# 3629

Delta R.T. 0.15 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

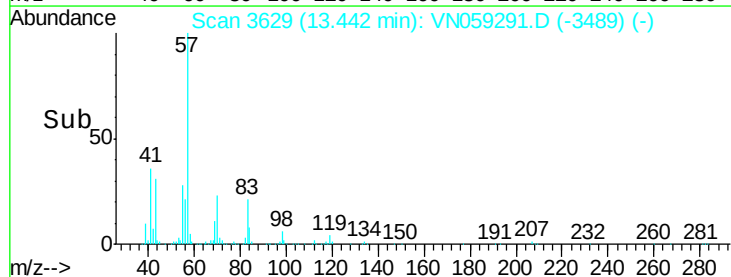
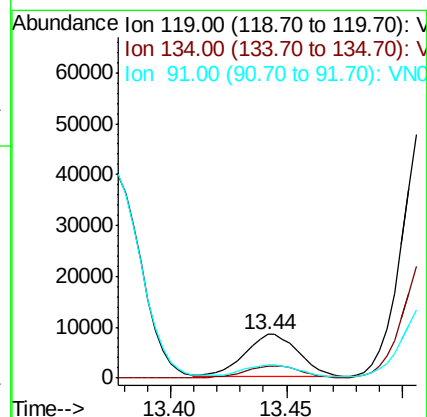
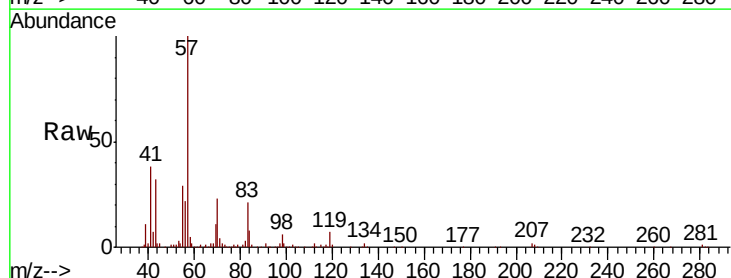
Tgt Ion:119 Resp: 13133

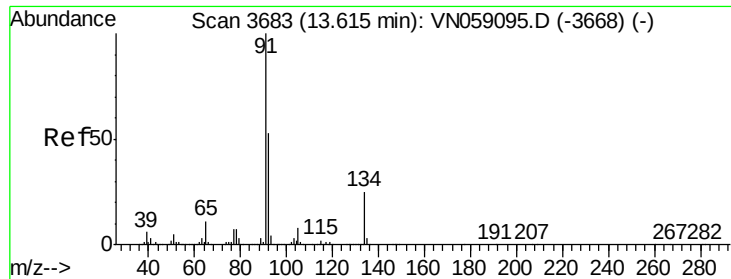
Ion Ratio Lower Upper

119 100

134 31.2 13.0 38.9

91 27.9 11.7 35.1

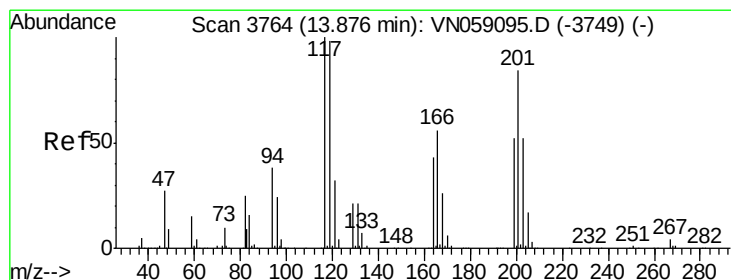
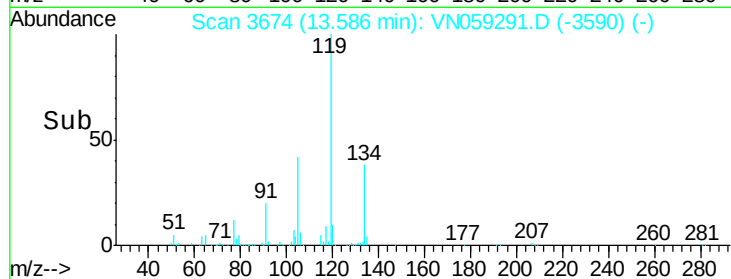
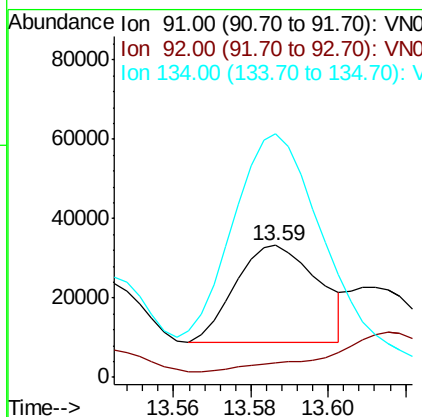
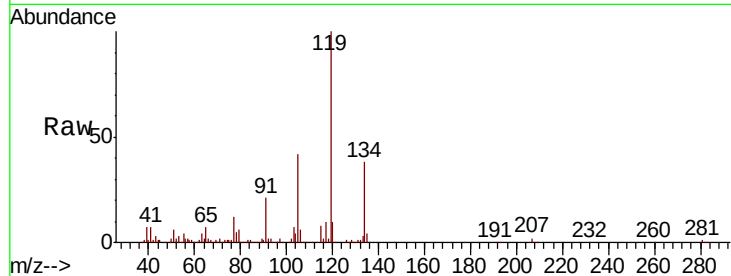




#89
n-Butylbenzene
Concen: 1.992 ug/l
RT: 13.59 min Scan# 3674
Delta R.T. -0.03 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

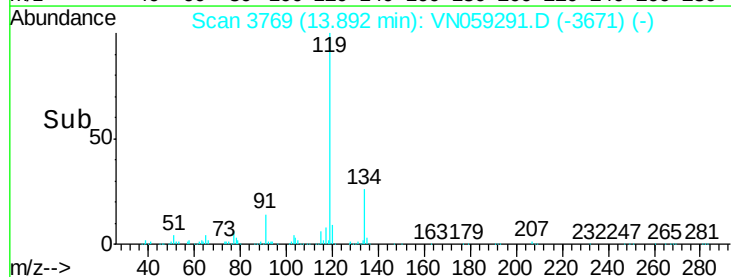
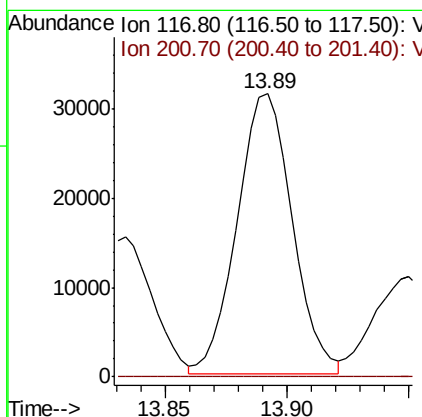
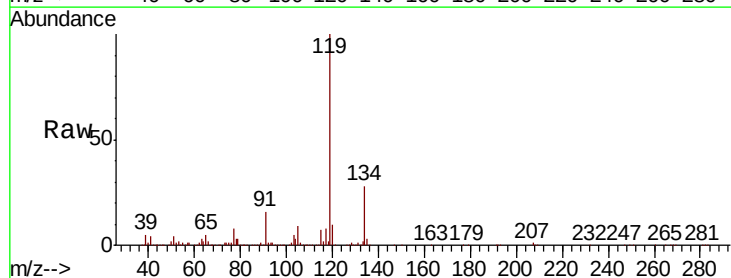
Instrument :
MSVOA_N
ClientSampleId :

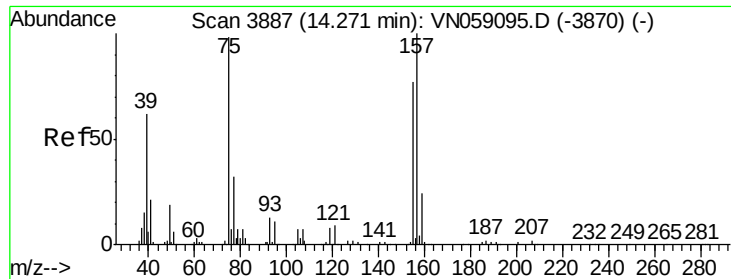
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.1	78.3#
134	305.6	12.6	37.8#



#90
Hexachloroethane
Concen: 11.643 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VN059291.D
Acq: 18 Nov 2019 17:56

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





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.195 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :

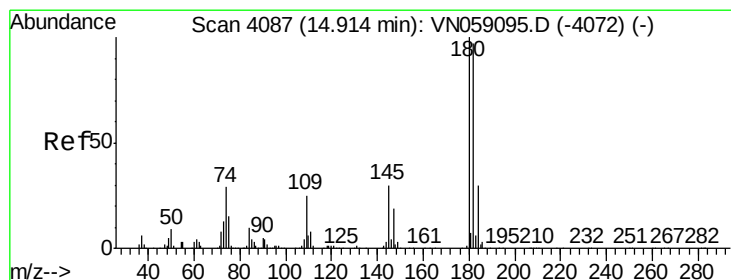
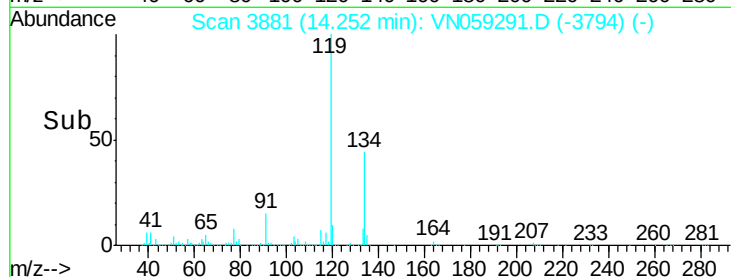
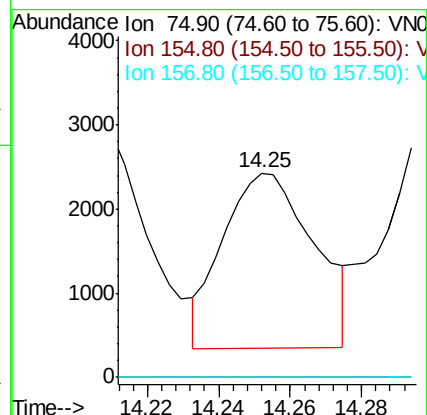
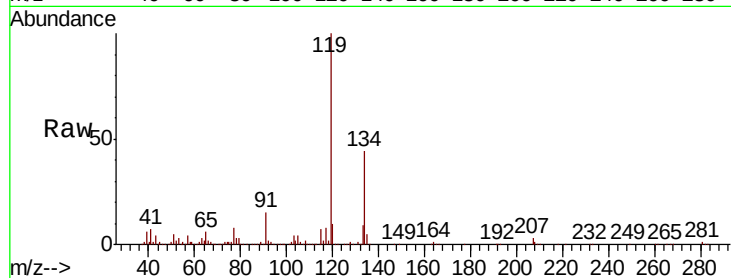
Tot Ion: 75 Resp: 3676

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 0.0 51.8 155.5#



#93

1,2,4-Trichlorobenzene

Concen: 3.078 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

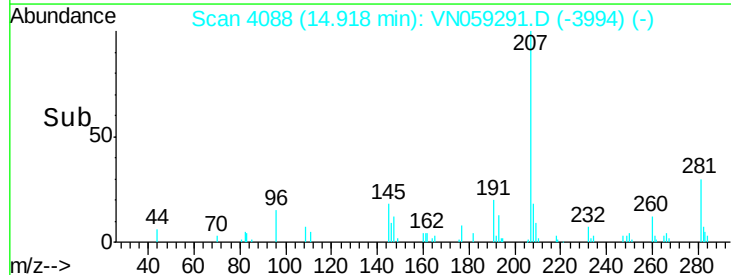
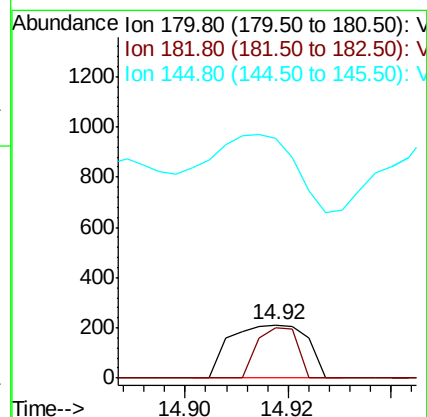
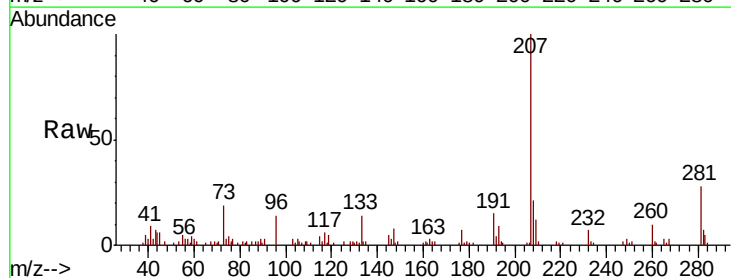
Tgt Ion: 180 Resp: 218

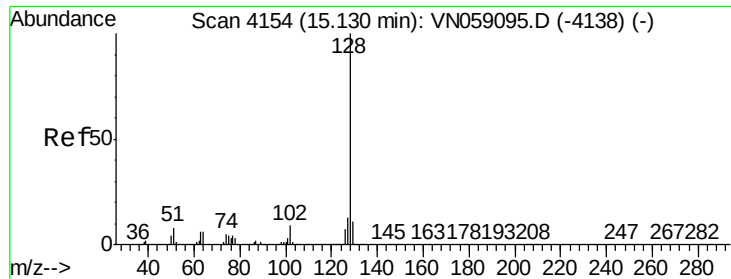
Ion Ratio Lower Upper

180 100

182 49.5 48.1 144.3

145 0.0 15.1 45.3#





#95

Naphthalene

Concen: 11.074 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

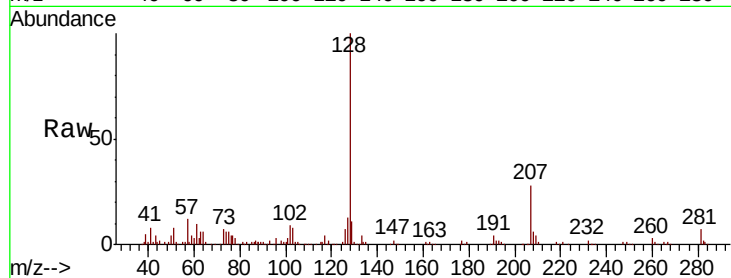
Lab File: VN059291.D

Acq: 18 Nov 2019 17:56

Instrument :

MSVOA_N

ClientSampleId :



Tot Ion:128 Resp: 151892

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 11.2 8.6 12.8

