

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059293.D
 Acq On : 18 Nov 2019 18:40
 Operator : JC/SP
 Sample : K5900-16 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:51:51 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	442666	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	678418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	594078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	325597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	249371	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
35) Dibromofluoromethane	7.57	113	200087	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	10.08	98	831481	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
62) 4-Bromofluorobenzene	12.40	95	293356	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
8) Diethyl Ether	3.39	74	5781	2.024	ug/l	91
11) Tert butyl alcohol	4.76	59	432774	417.319	ug/l	98
13) Acrolein	3.59	56	260	0.486	ug/l	85
15) Acrylonitrile	5.00	53	698	0.270	ug/l #	37
16) Acetone	3.79	43	676592	239.105	ug/l	97
17) Carbon Disulfide	4.02	76	27043	2.110	ug/l	98
18) Methyl Acetate	4.30	43	60829	9.057	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	82978	5.837	ug/l #	40
20) Methylene Chloride	4.53	84	3651	0.741	ug/l	92
22) Diisopropyl ether	5.92	45	363880	22.712	ug/l #	1
23) Vinyl Acetate	5.91	43	25577	2.060	ug/l #	74
24) 1,1-Dichloroethane	5.92	63	2531	0.283	ug/l #	85
25) 2-Butanone	6.81	43	249238	66.831	ug/l	98
26) 2,2-Dichloropropane	6.63	77	2412	0.308	ug/l #	53
29) Tetrahydrofuran	7.20	42	6728	2.839	ug/l #	87
30) Chloroform	7.35	83	3741	0.436	ug/l	94
31) Cyclohexane	7.63	56	28887	3.410	ug/l #	51
36) 1,1-Dichloropropene	7.64	75	32270	5.089	ug/l #	49
37) Ethyl Acetate	6.81	43	249238	35.331	ug/l #	69
38) Carbon Tetrachloride	7.64	117	42071	6.666	ug/l #	16
39) Methylcyclohexane	9.07	83	21369	2.904	ug/l	97
40) Benzene	8.02	78	1537752	80.529	ug/l	100
42) 1,2-Dichloroethane	8.02	62	12596	1.923	ug/l	78
43) Isopropyl Acetate	8.15	43	25357	2.255	ug/l #	64
48) Methyl methacrylate	9.15	41	25783	5.125	ug/l #	39
49) 1,4-Dioxane	9.19	88	7765	86.857	ug/l #	21
51) 4-Methyl-2-Pentanone	9.97	43	191947	30.163	ug/l	98
52) Toluene	10.15	92	4656333	406.831	ug/l #	71
53) t-1,3-Dichloropropene	10.45	75	3444	0.462	ug/l #	78
54) cis-1,3-Dichloropropene	9.80	75	1683	0.210	ug/l #	4
55) 1,1,2-Trichloroethane	10.53	97	959	0.207	ug/l #	14
56) Ethyl methacrylate	10.41	69	813	1.974	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.80	63	2199	0.853	ug/l	99
59) 2-Hexanone	10.75	43	26037	5.331	ug/l	79

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

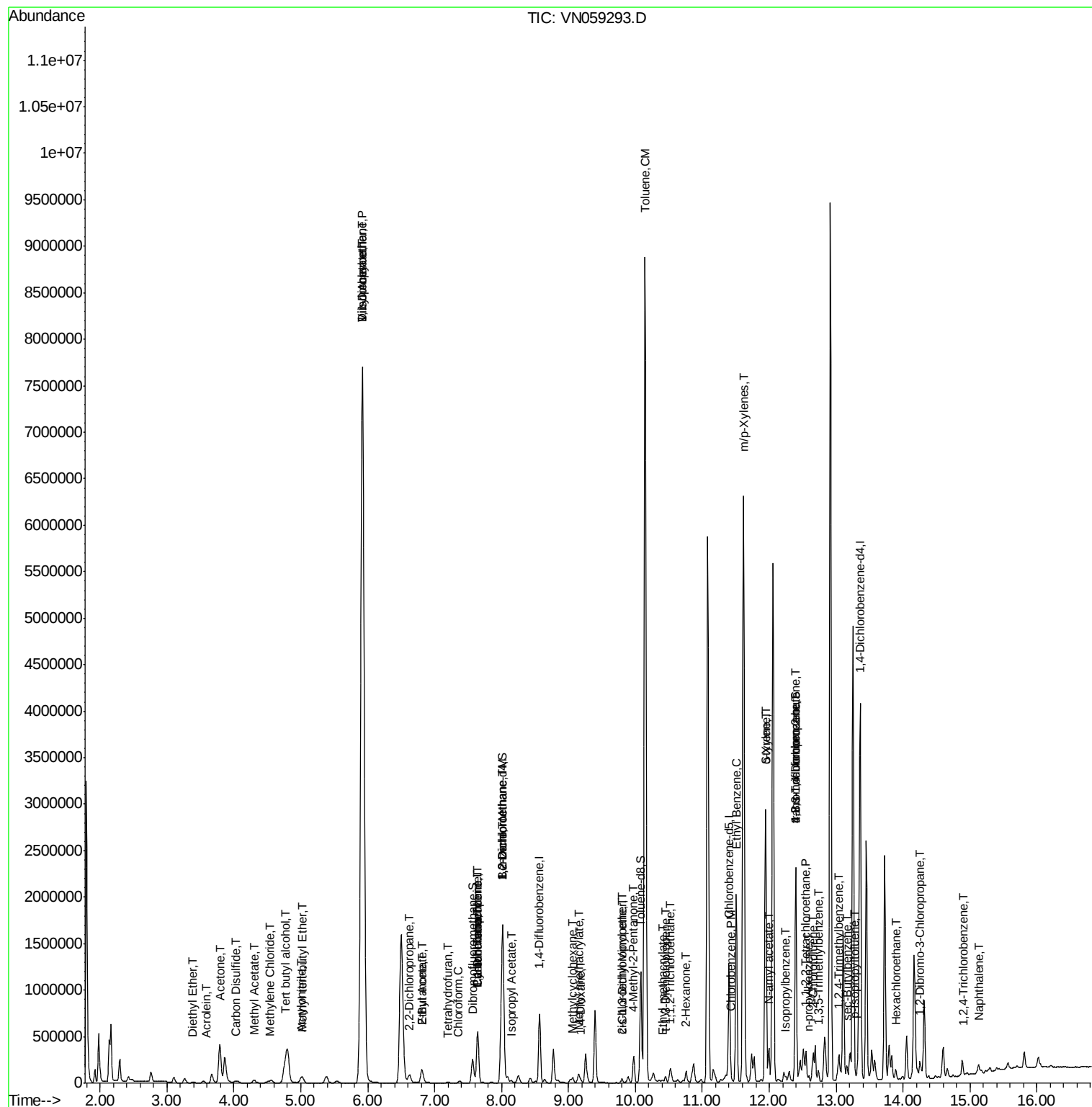
65) Chlorobenzene	11.43	112	2547	0.220	ug/l	99
67) Ethyl Benzene	11.51	91	1510849	73.531	ug/l	98
68) m/p-Xylenes	11.62	106	2134226	277.291	ug/l	88
69) o-Xylene	11.95	106	817937	109.966	ug/l	98
70) Styrene	11.95	104	39475	3.374	ug/l #	1
73) Isopropylbenzene	12.25	105	33902	1.431	ug/l	100
74) N-amyl acetate	11.99	43	70055	6.980	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.55	83	24142	2.993	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	141525	19.092	ug/l #	100
78) n-propylbenzene	12.59	91	40466	1.492	ug/l	96
79) 2-Chlorotoluene	12.65	91	18056	1.073	ug/l #	58
80) 1,3,5-Trimethylbenzene	12.73	105	57946	2.887	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	141525	50.428	ug/l #	21
84) 1,2,4-Trimethylbenzene	13.04	105	164399	8.467	ug/l	98
85) sec-Butylbenzene	13.17	105	8184	0.363	ug/l #	76
86) p-Isopropyltoluene	13.29	119	7550	0.379	ug/l #	74
90) Hexachloroethane	13.89	117	5468	1.368	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	784	0.513	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	142	3.068	ug/l #	1
95) Naphthalene	15.13	128	75582	7.252	ug/l	98

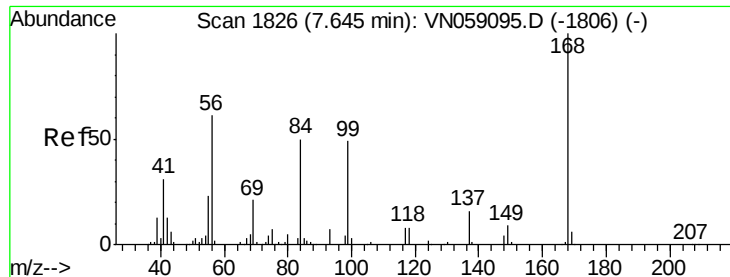
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

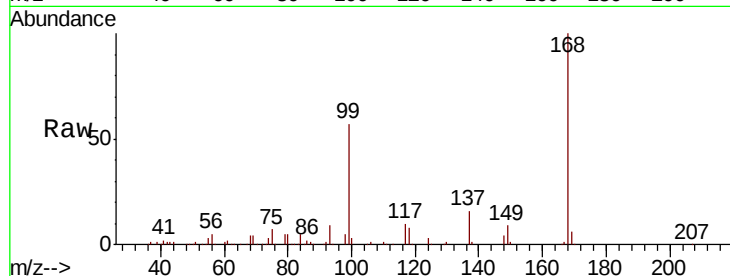
ClientSampleId :

Tot Ion:168 Resp: 442666

Ion Ratio Lower Upper

168 100

99 56.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

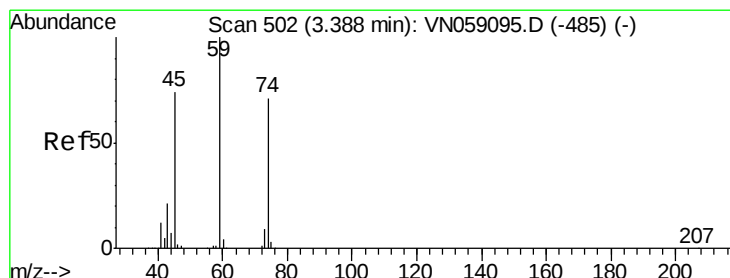
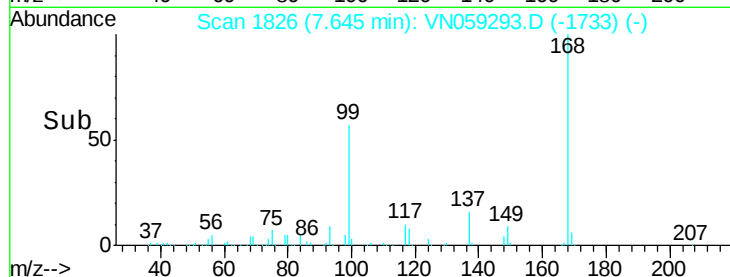
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 2.024 ug/l

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN059293.D

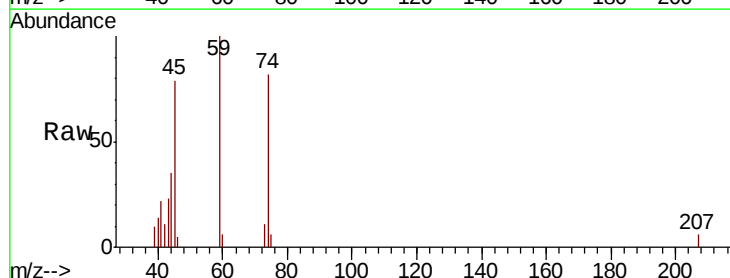
Acq: 18 Nov 2019 18:40

Tgt Ion: 74 Resp: 5781

Ion Ratio Lower Upper

74 100

45 112.3 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.39

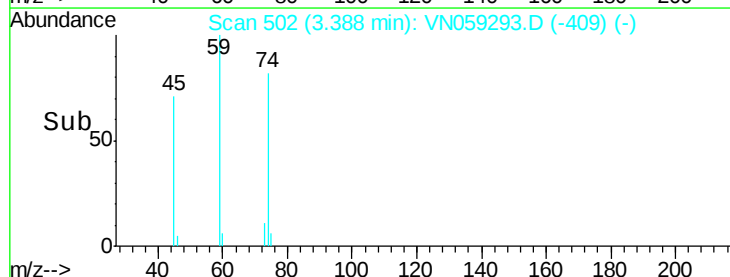
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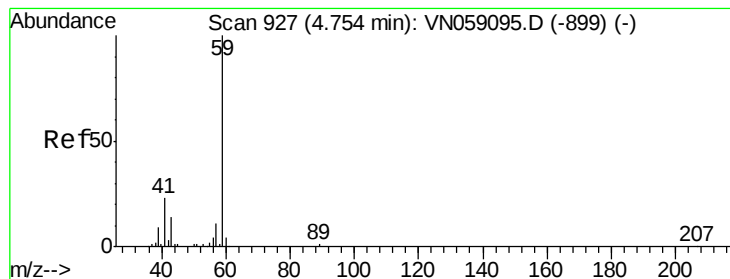
2000

1000

0

Time--> 3.35 3.40 3.45





#11

Tert butyl alcohol

Concen: 417.319 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.01 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

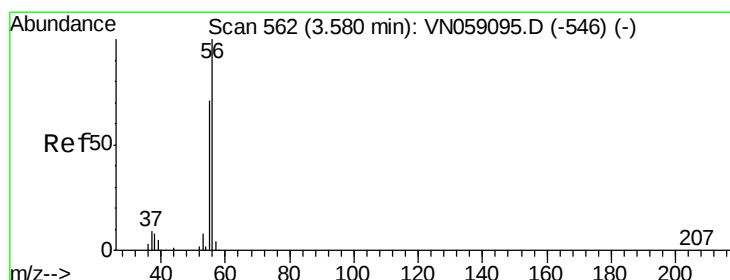
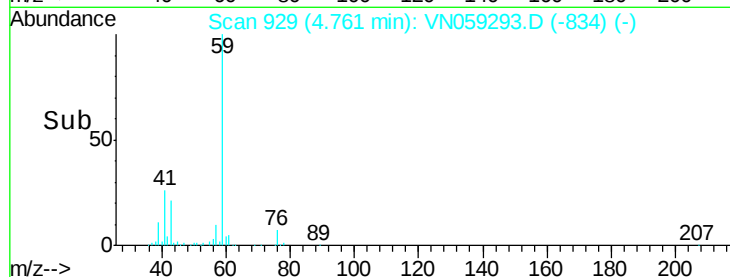
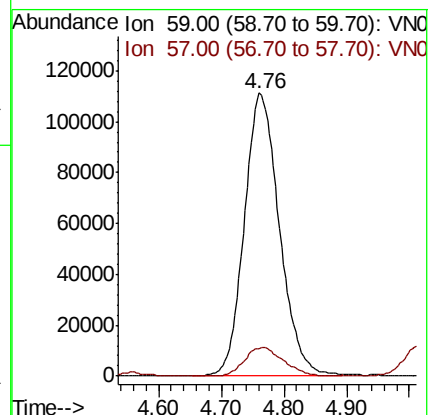
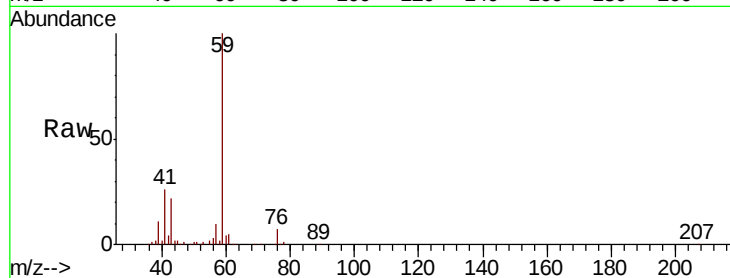
ClientSampled :

Tot Ion: 59 Resp: 432774

Ion Ratio Lower Upper

59 100

57 11.2 8.3 12.5



#13

Acrolein

Concen: 0.486 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN059293.D

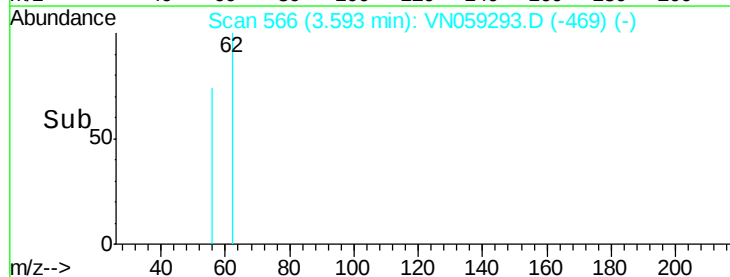
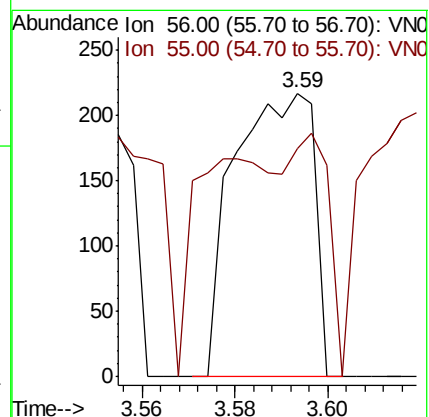
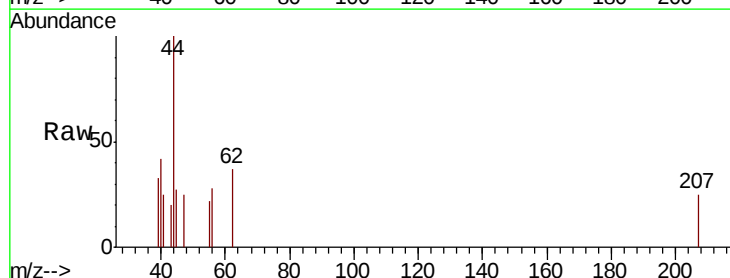
Acq: 18 Nov 2019 18:40

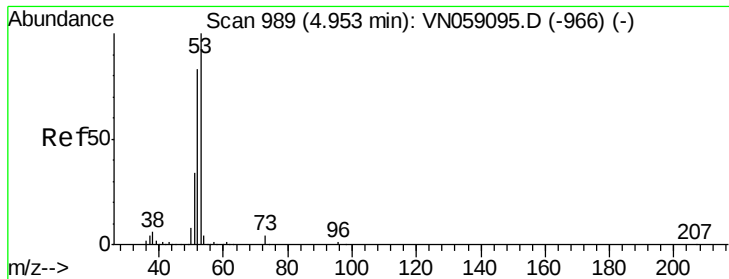
Tgt Ion: 56 Resp: 260

Ion Ratio Lower Upper

56 100

55 82.7 56.4 84.6





#15

Acrylonitrile

Concen: 0.270 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.05 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :
MSVOA_N
ClientSampled :

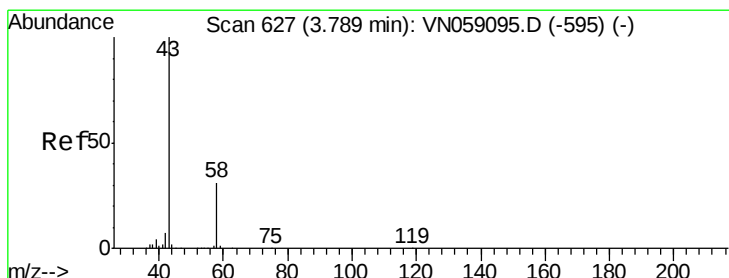
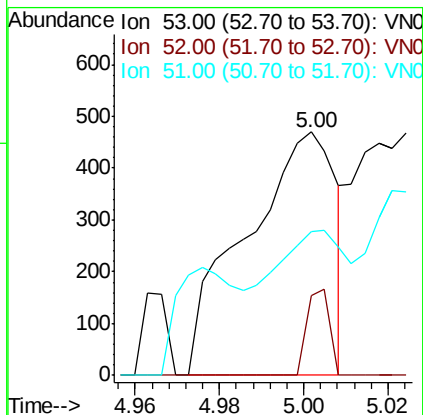
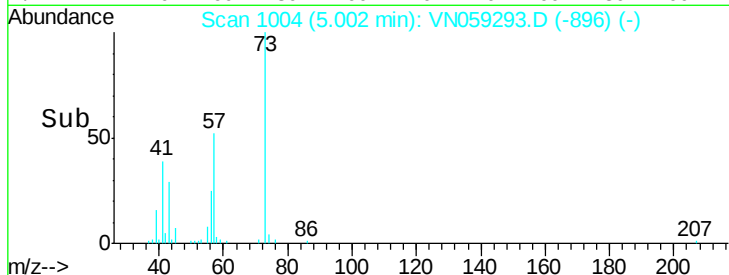
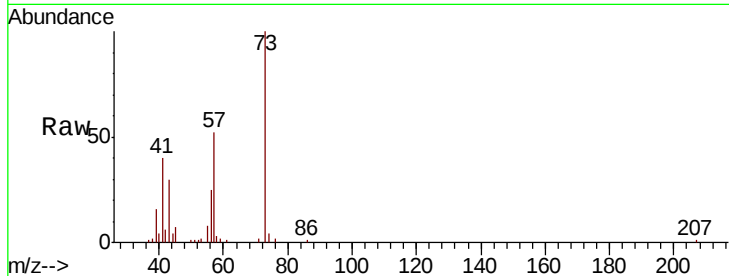
Tot Ion: 53 Resp: 698

Ion Ratio Lower Upper

53 100

52 8.9 65.0 97.6#

51 46.8 28.0 42.0#



#16

Acetone

Concen: 239.105 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN059293.D

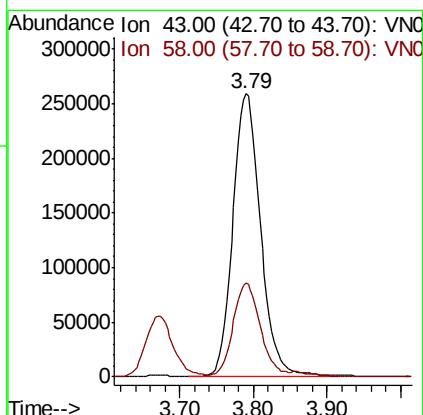
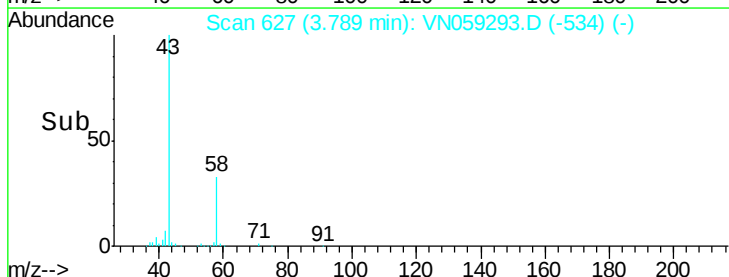
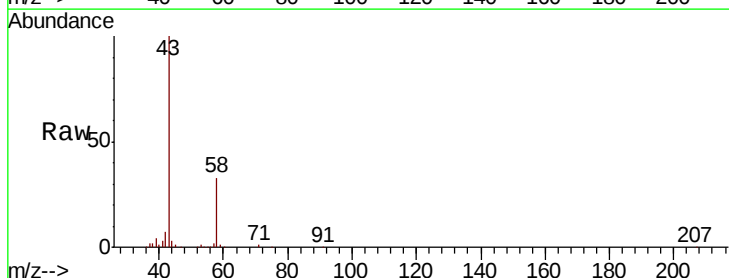
Acq: 18 Nov 2019 18:40

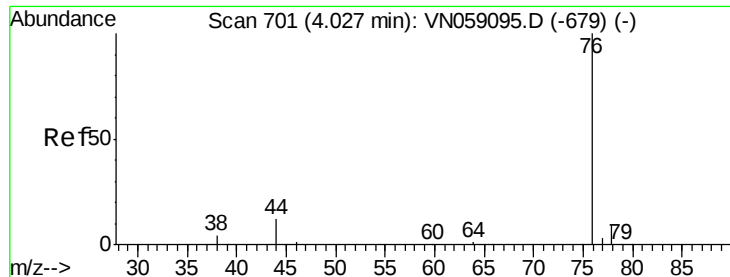
Tgt Ion: 43 Resp: 676592

Ion Ratio Lower Upper

43 100

58 33.0 24.9 37.3

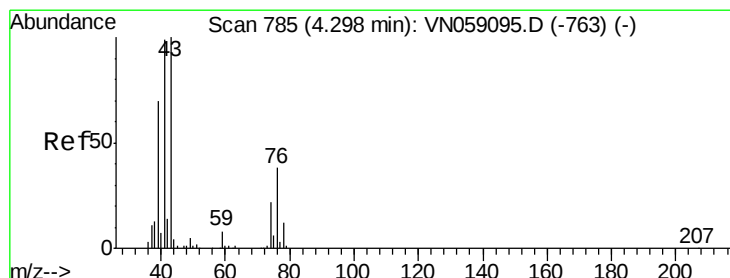
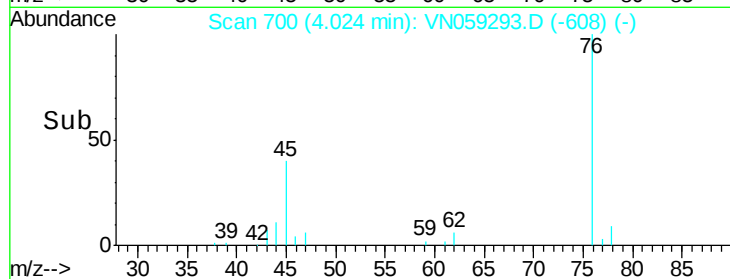
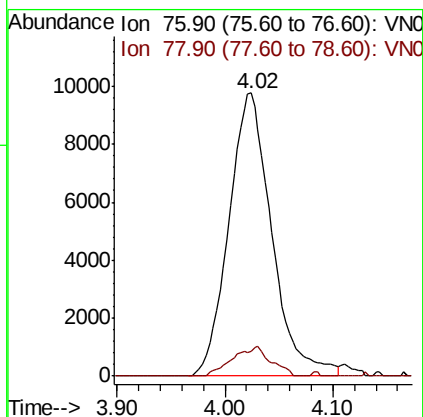
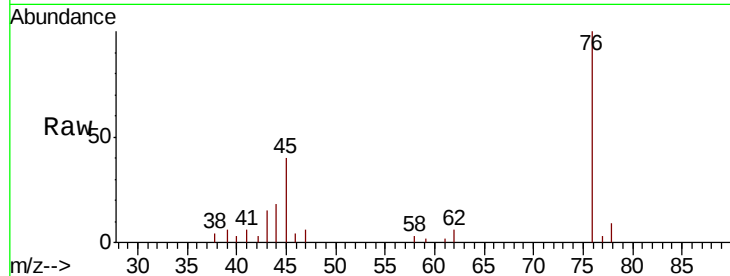




#17
Carbon Disulfide
Concen: 2.110 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

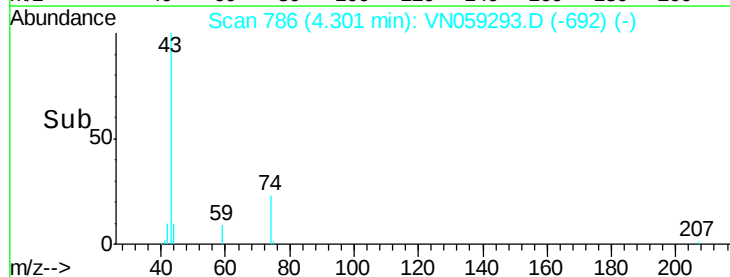
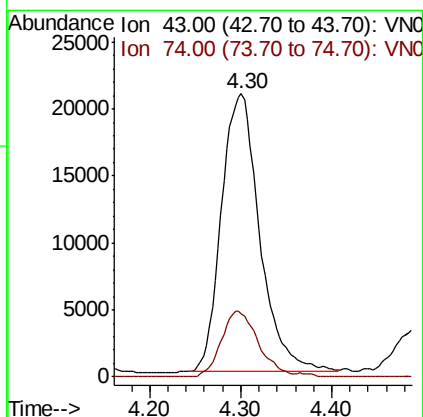
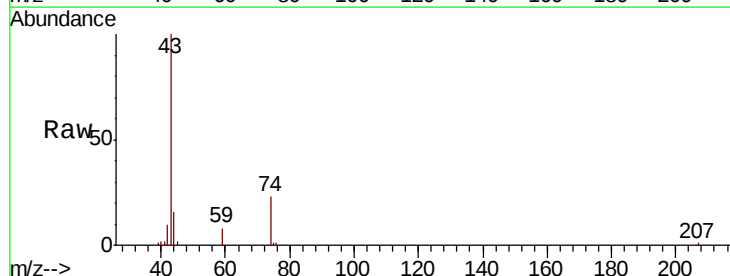
Instrument :
MSVOA_N
ClientSampled :

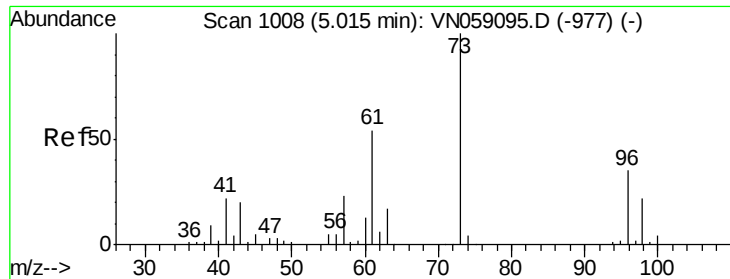
Tot Ion: 76 Resp: 27043
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0



#18
Methyl Acetate
Concen: 9.057 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 43 Resp: 60829
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.8

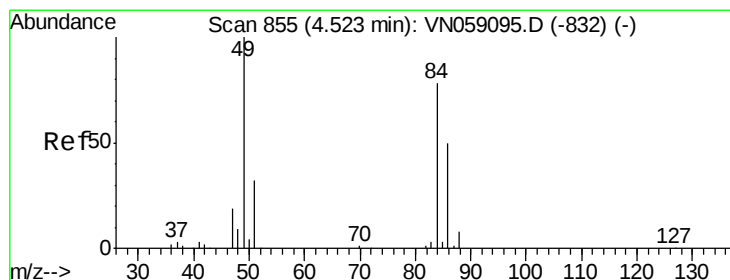
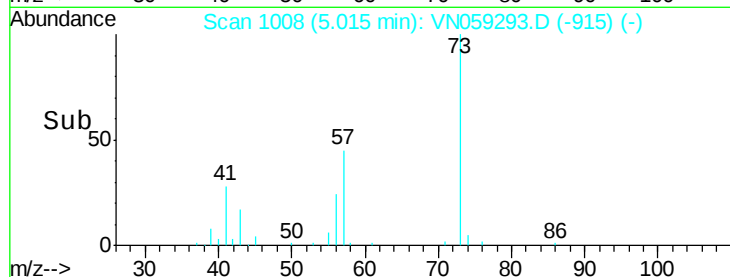
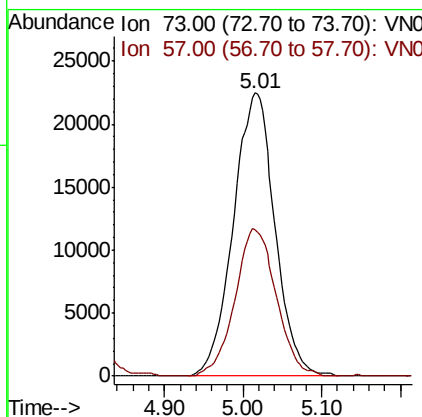
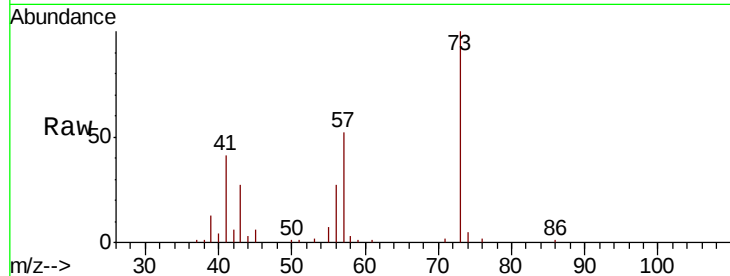




#19
Methvl tert-butvl Ether
Concen: 5.837 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

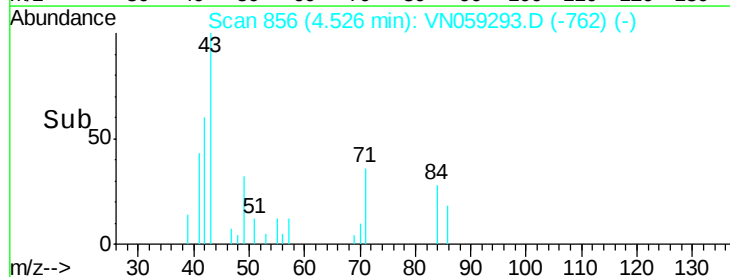
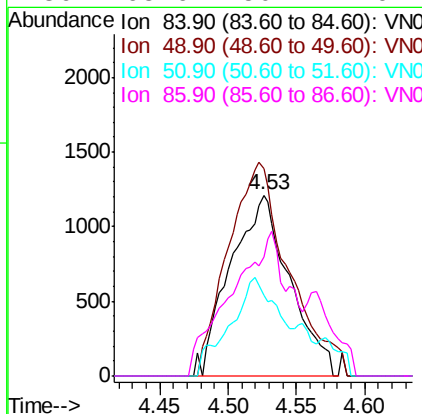
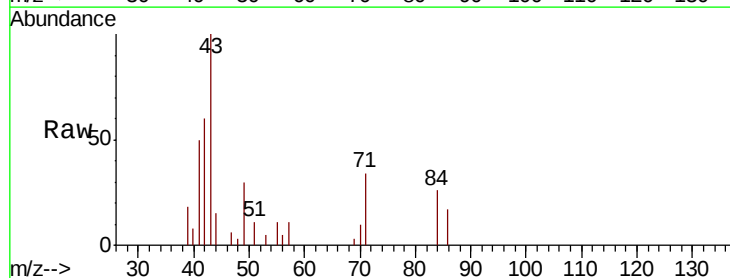
Instrument :
MSVOA_N
ClientSampled :

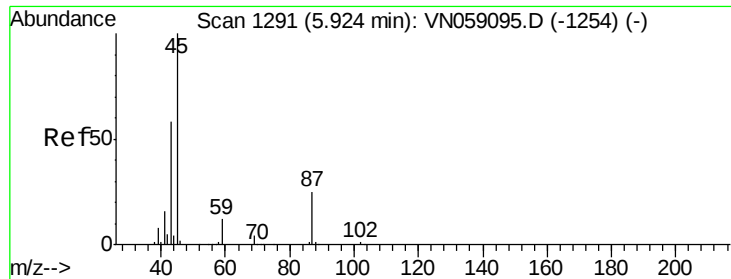
Tot Ion: 73 Resp: 82978
Ion Ratio Lower Upper
73 100
57 51.9 18.4 27.6#



#20
Methylene Chloride
Concen: 0.741 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 84 Resp: 3651
Ion Ratio Lower Upper
84 100
49 115.1 102.0 153.0
51 44.5 32.2 48.2
86 65.6 50.7 76.1

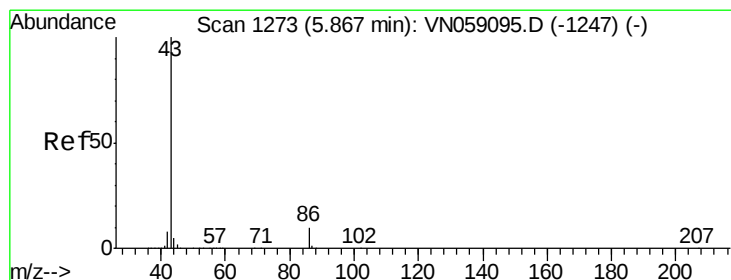
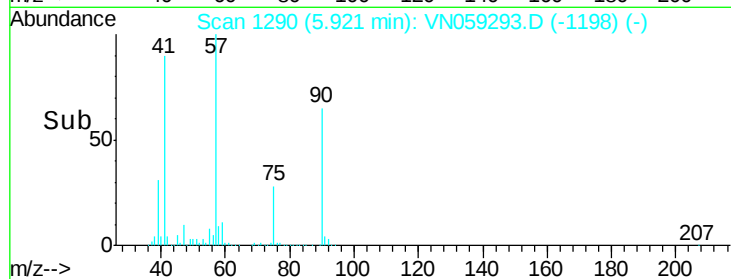
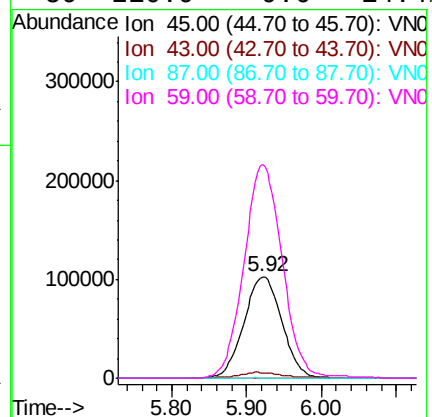
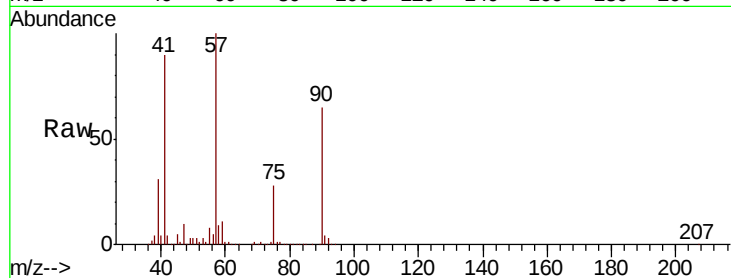




#22
Diisopropyl ether
Concen: 22.712 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

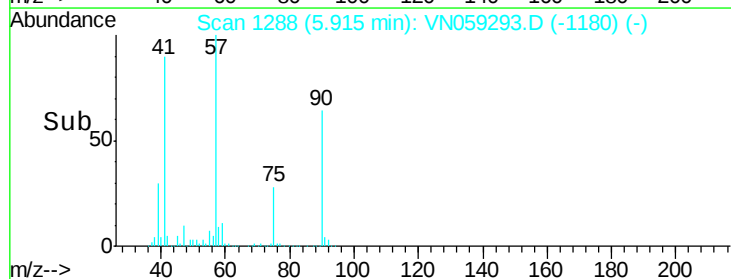
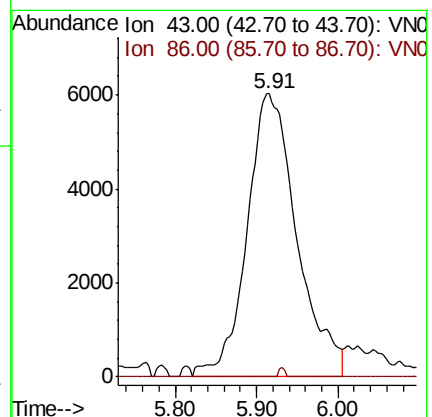
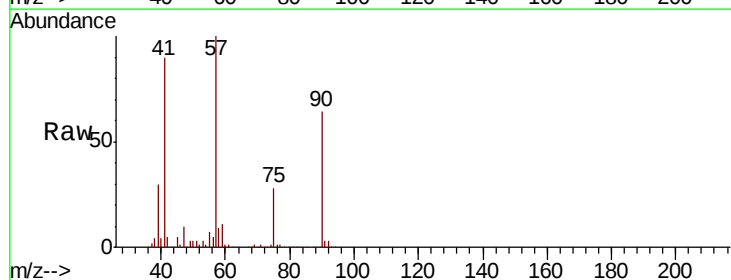
Instrument :
MSVOA_N
ClientSampled :

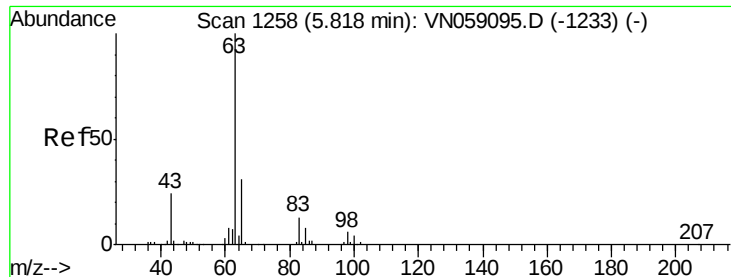
Tot Ion: 45 Resp: 363880
Ion Ratio Lower Upper
45 100
43 5.4 46.7 70.1#
87 0.5 20.5 30.7#
59 210.9 9.6 14.4#



#23
Vinyl Acetate
Concen: 2.060 ug/l
RT: 5.91 min Scan# 1288
Delta R.T. 0.05 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 43 Resp: 25577
Ion Ratio Lower Upper
43 100
86 0.0 7.7 11.5#





#24

1,1-Dichloroethane

Concen: 0.283 ug/l

RT: 5.92 min Scan# 1291

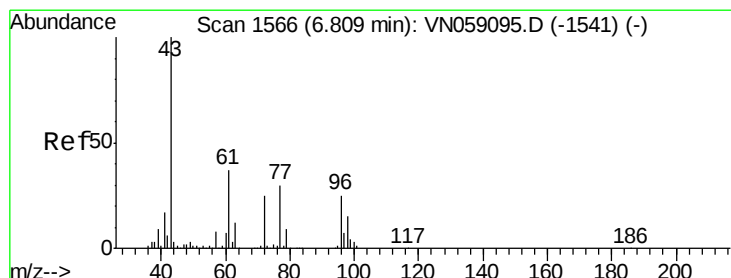
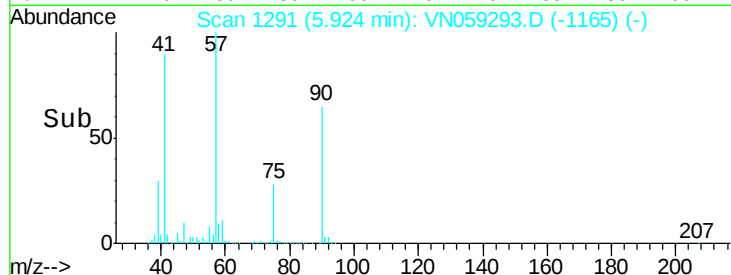
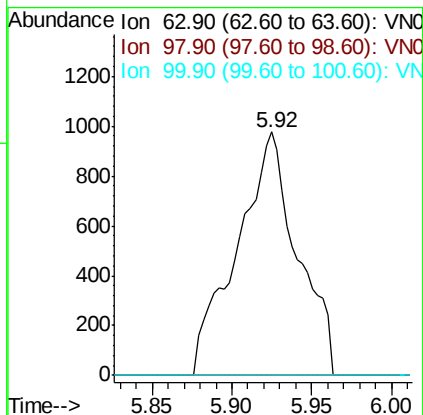
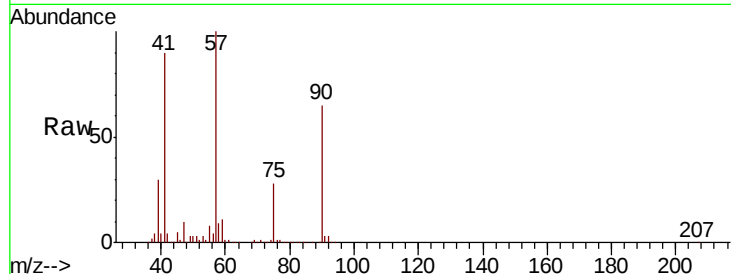
Delta R.T. 0.11 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	63	Resp:	2531
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.8	8.4#
100	0.0	1.9	5.7#



#25

2-Butanone

Concen: 66.831 ug/l

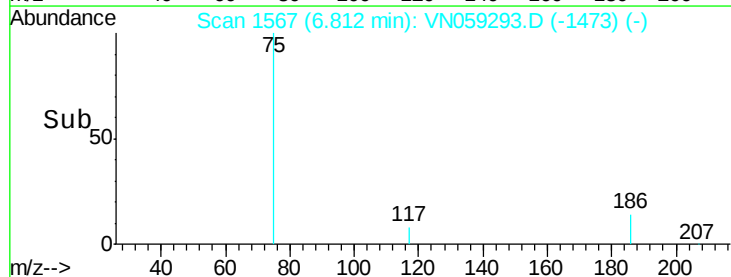
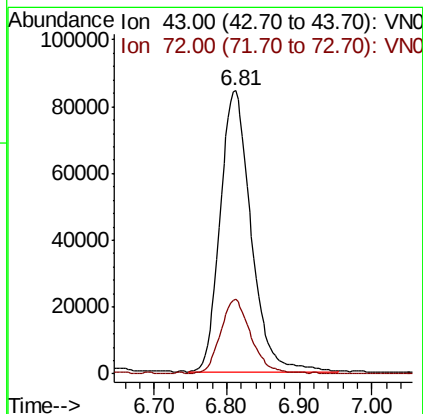
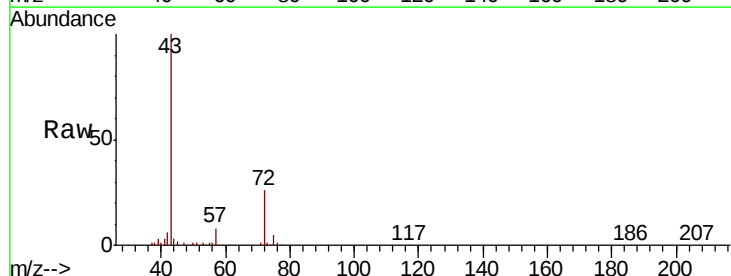
RT: 6.81 min Scan# 1567

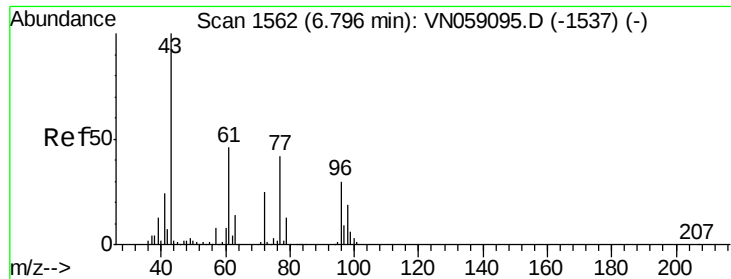
Delta R.T. 0.00 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Tgt Ion:	43	Resp:	249238
Ion	Ratio	Lower	Upper
43	100		
72	26.2	20.3	30.5





#26

2,2-Dichloropropane

Concen: 0.308 ug/l

RT: 6.63 min Scan# 1510

Delta R.T. -0.17 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

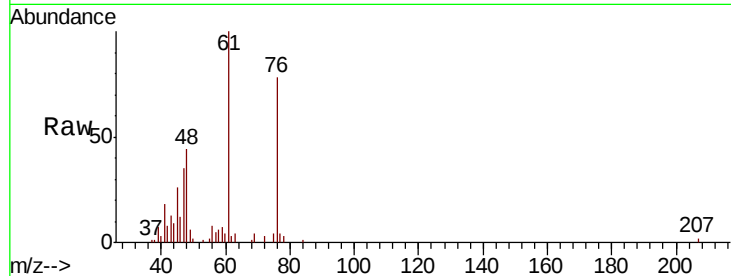
ClientSampleId :

Tot Ion: 77 Resp: 2412

Ion Ratio Lower Upper

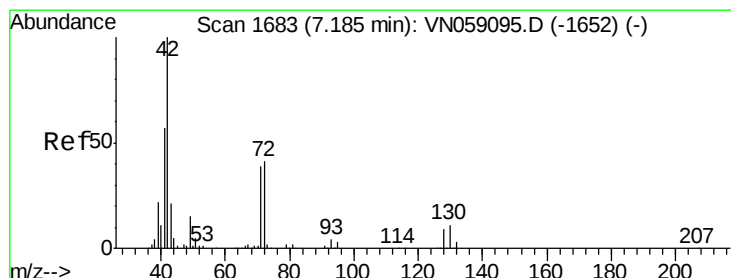
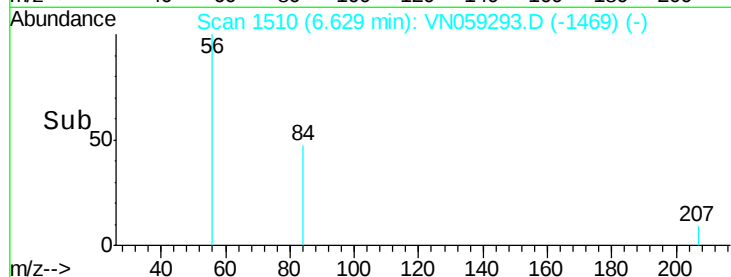
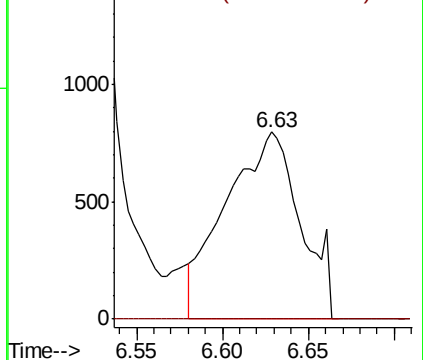
77 100

97 0.0 11.2 33.6#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



#29

Tetrahydrofuran

Concen: 2.839 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

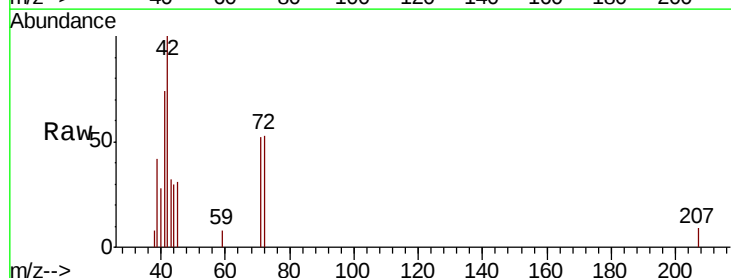
Tgt Ion: 42 Resp: 6728

Ion Ratio Lower Upper

42 100

72 50.3 33.1 49.7#

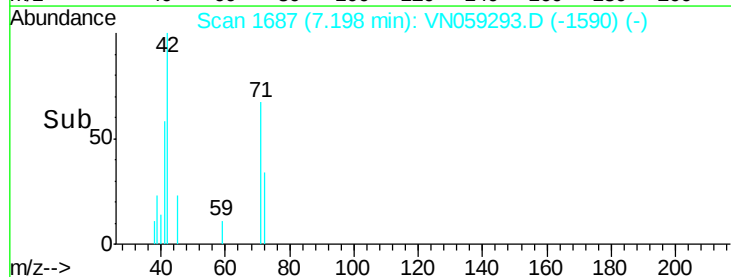
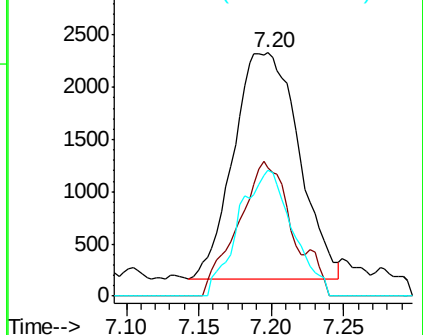
71 46.3 30.9 46.3#

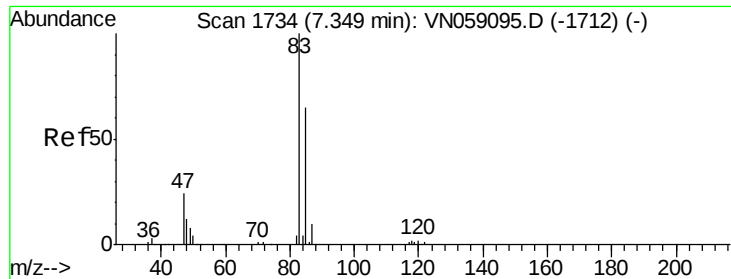


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

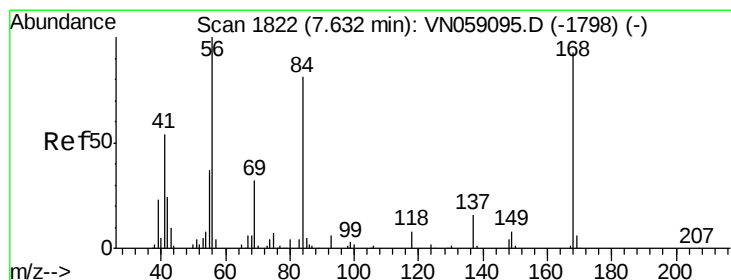
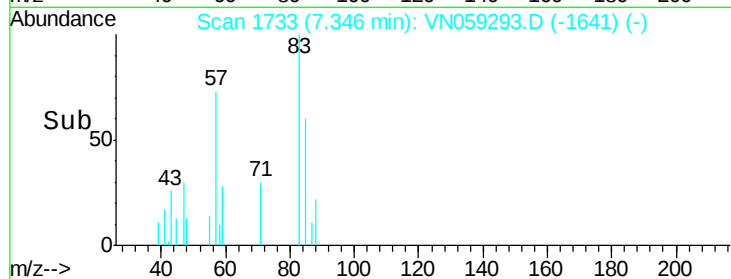
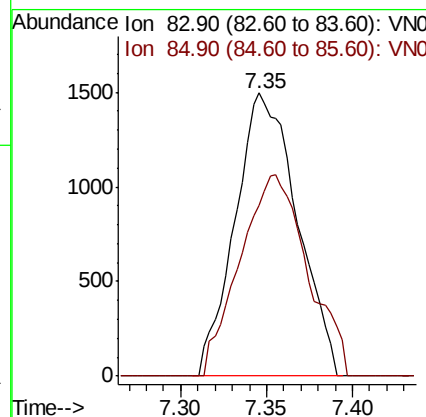
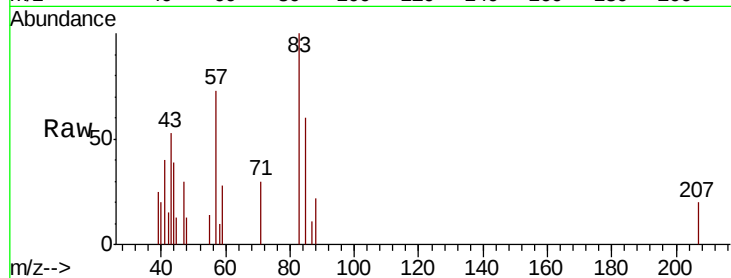




#30
Chloroform
Concen: 0.436 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

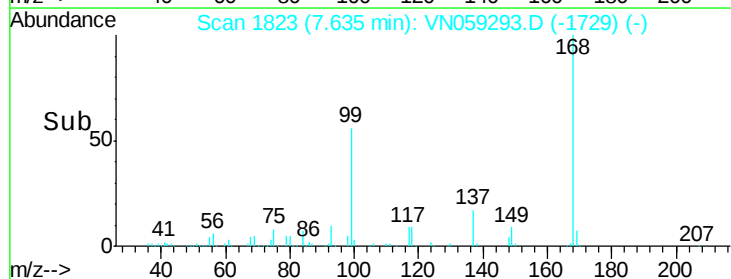
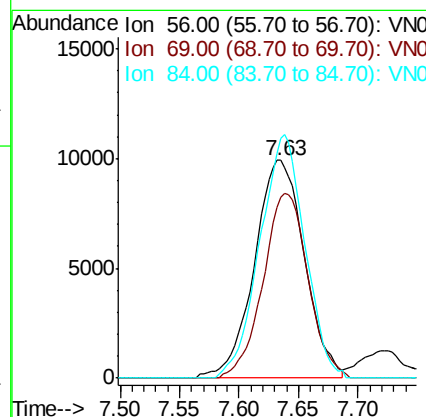
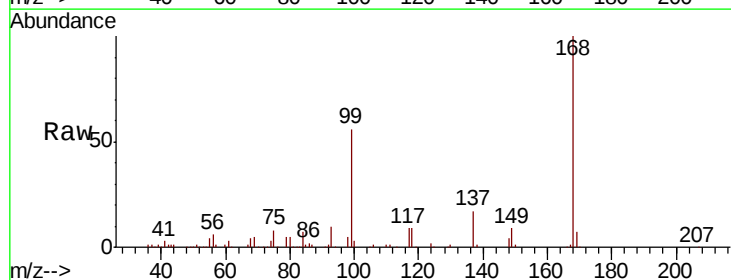
Instrument :
MSVOA_N
ClientSampleId :

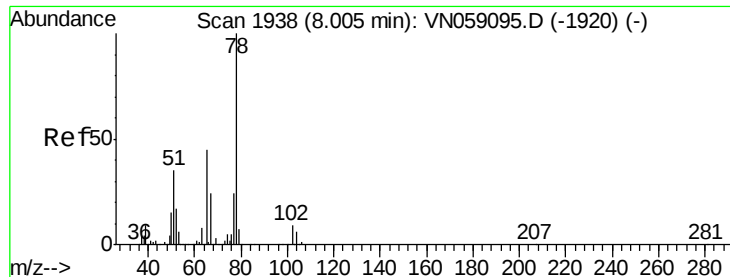
Tot Ion: 83 Resp: 3741
Ion Ratio Lower Upper
83 100
85 60.4 51.8 77.8



#31
Cyclohexane
Concen: 3.410 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 56 Resp: 28887
Ion Ratio Lower Upper
56 100
69 83.1 25.8 38.8#
84 109.8 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 45.828 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

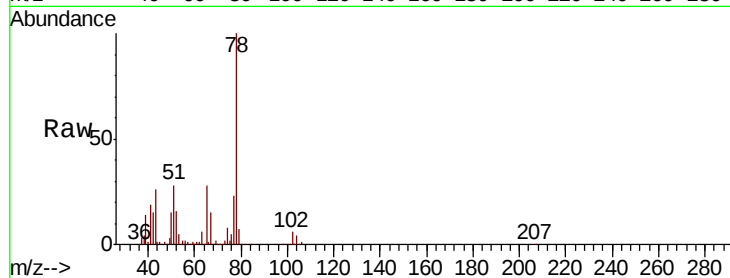
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 249371

Ion Ratio Lower Upper

65 100

67 55.3 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059293.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059293.D (-1845) (-)

8.00

120000

100000

80000

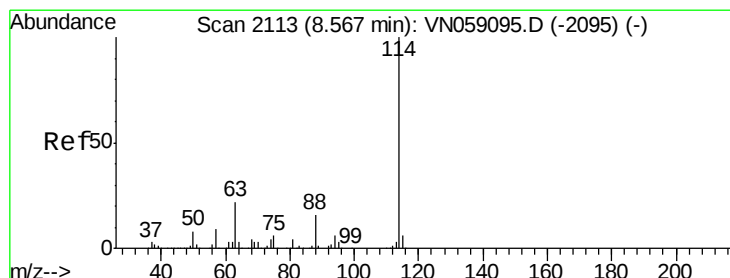
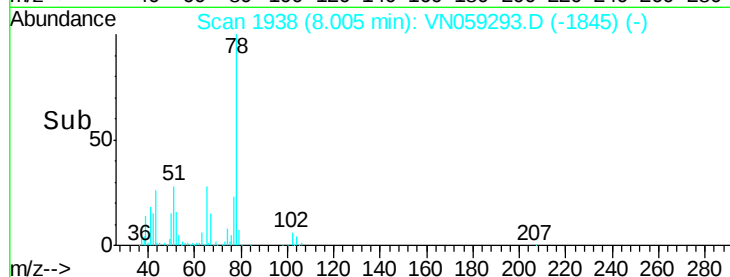
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

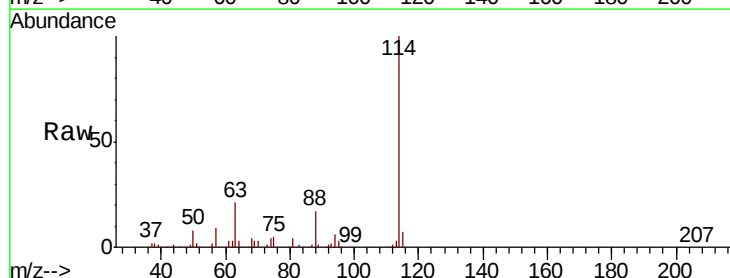
Tgt Ion: 114 Resp: 678418

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.4

88 16.5 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059293.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059293.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059293.D (-2020) (-)

8.57

400000

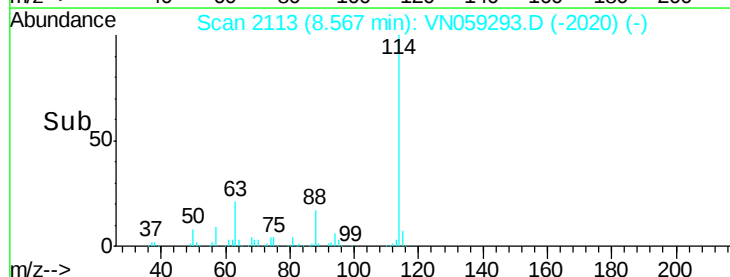
300000

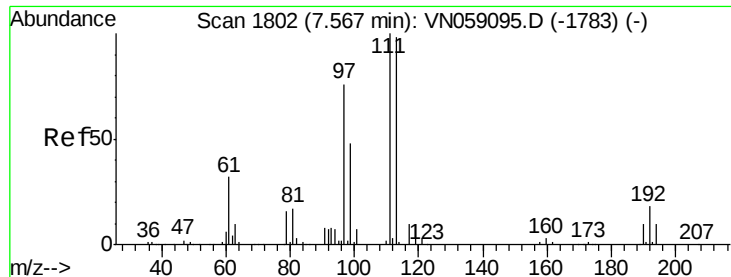
200000

100000

0

Time--> 8.45 8.50 8.55 8.60 8.65

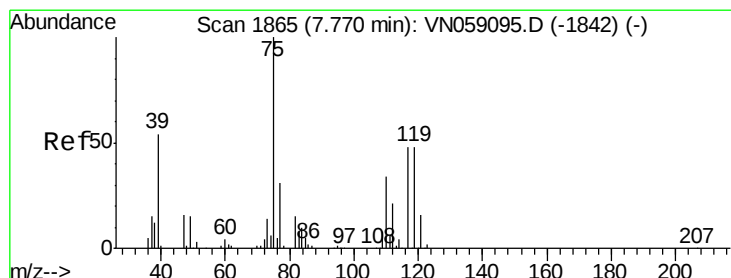
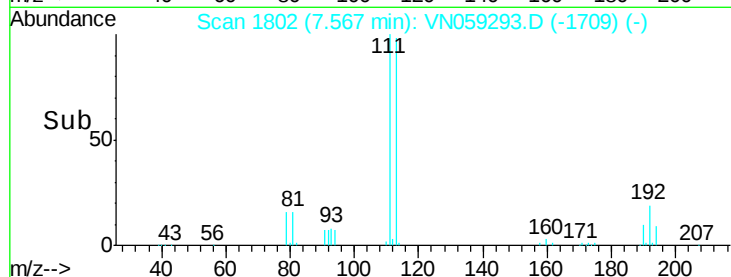
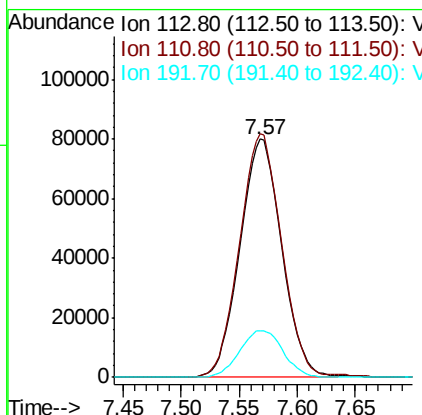
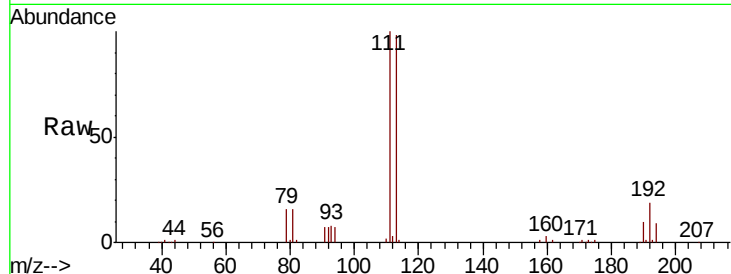




#35
 Dibromofluoromethane
 Concen: 49.394 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059293.D
 Acq: 18 Nov 2019 18:40

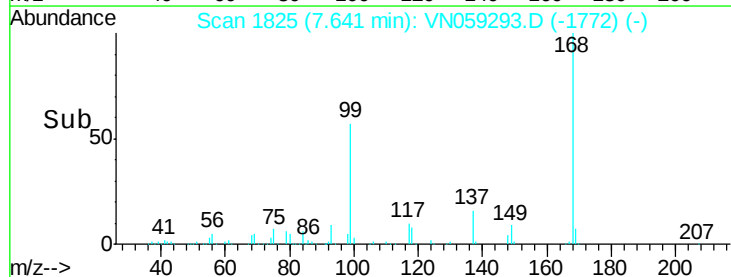
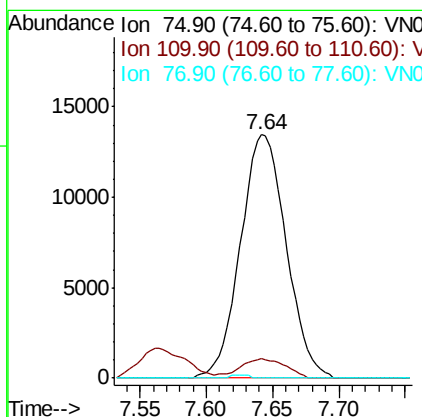
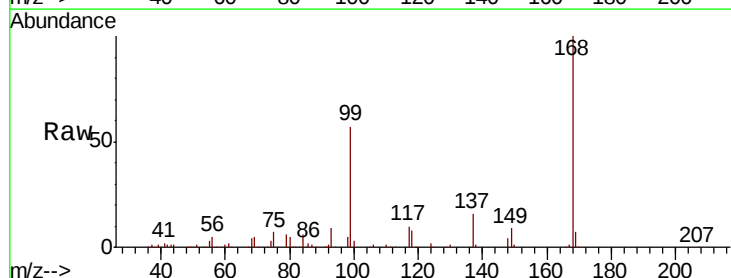
Instrument :
 MSVOA_N
 ClientSampleId :

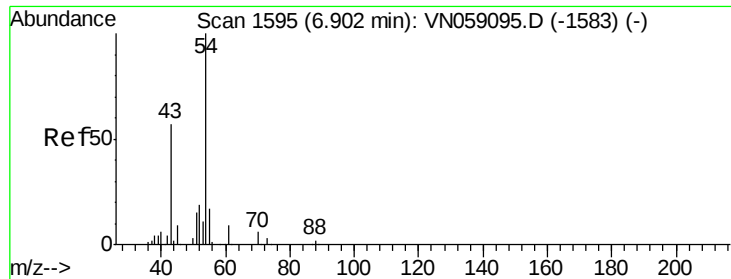
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	20.4	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.089 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059293.D
 Acq: 18 Nov 2019 18:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	17.1	51.2#
77	0.0	24.8	37.2#

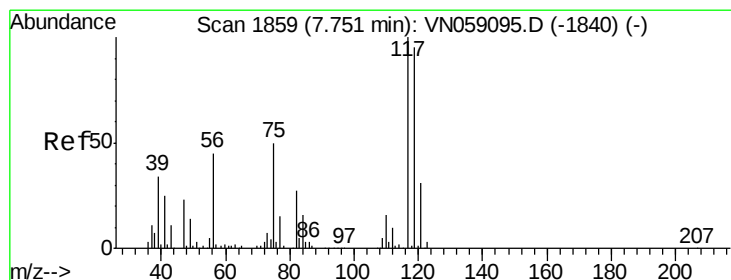
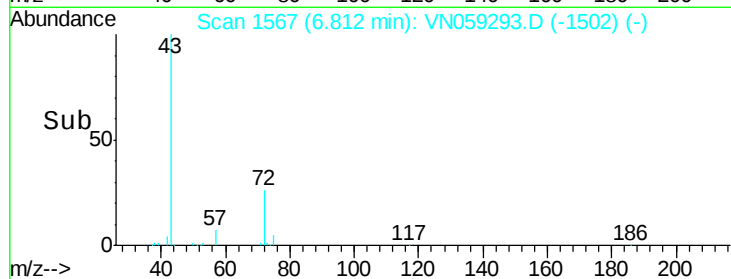
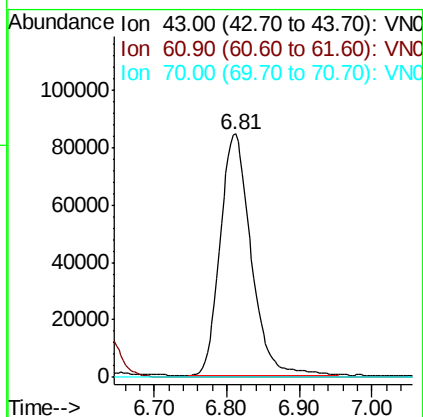
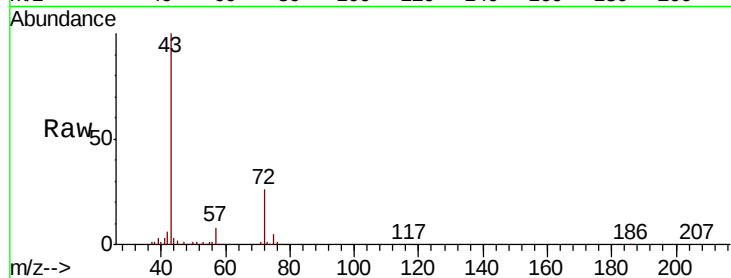




#37
Ethyl Acetate
Concen: 35.331 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.09 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

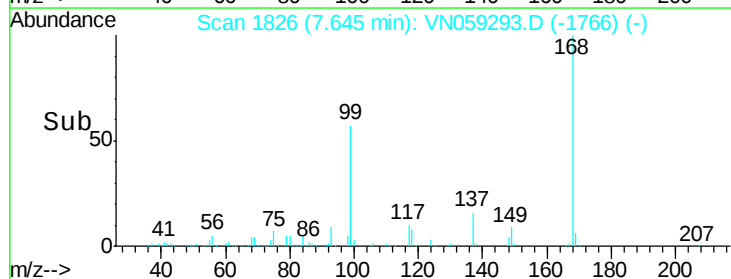
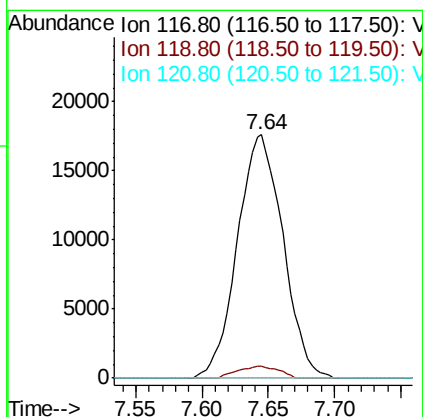
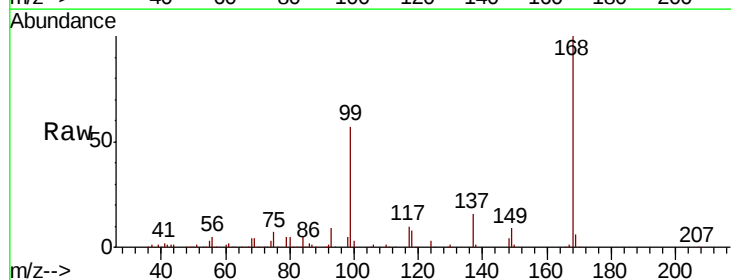
Instrument :
MSVOA_N
ClientSampled :

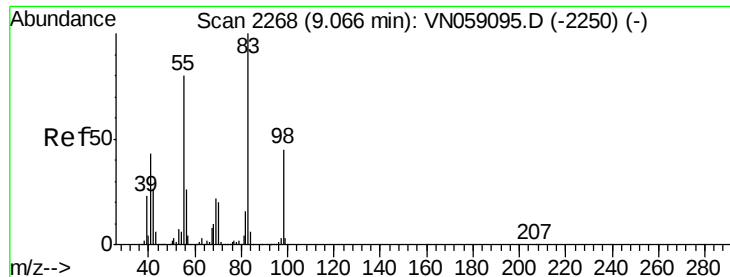
Tot Ion: 43 Resp: 249238
Ion Ratio Lower Upper
43 100
61 0.0 11.2 16.8#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.666 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 117 Resp: 42071
Ion Ratio Lower Upper
117 100
119 5.0 75.6 113.4#
121 0.0 24.6 36.8#

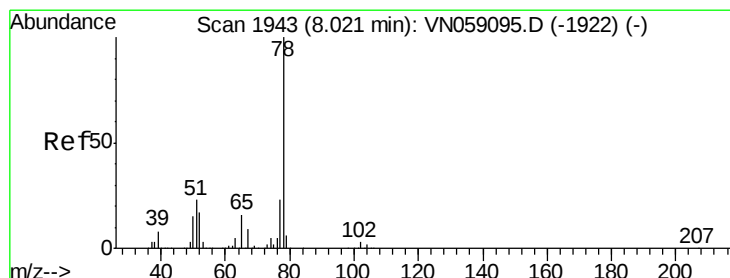
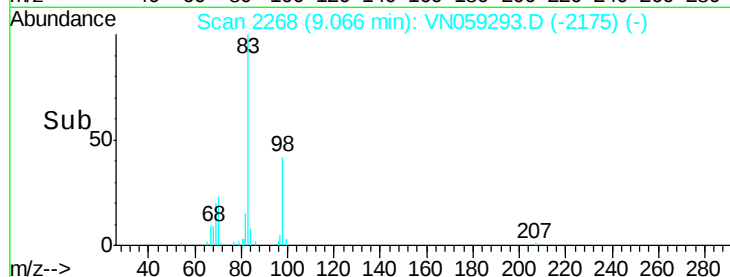
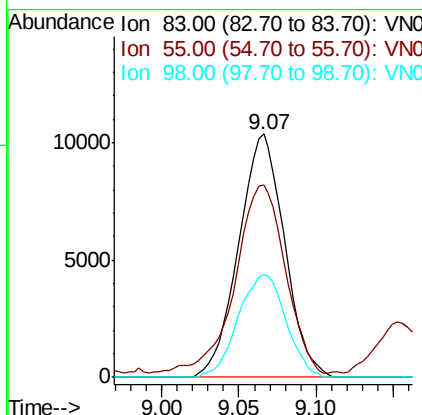
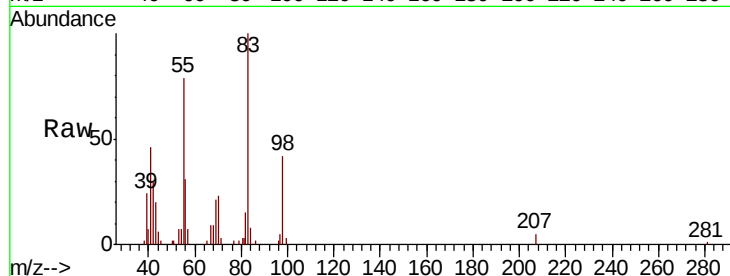




#39
Methvlcvclohexane
Concen: 2.904 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

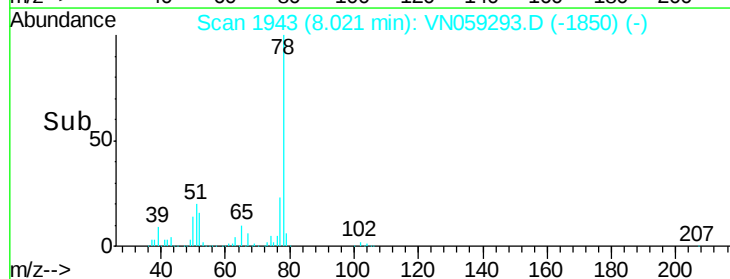
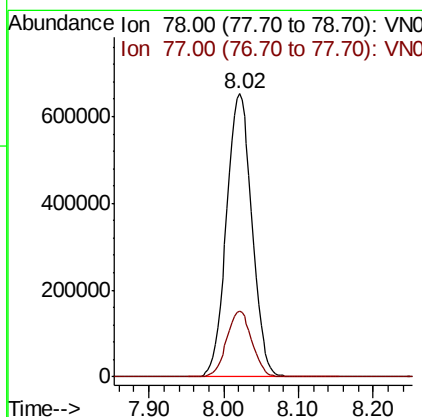
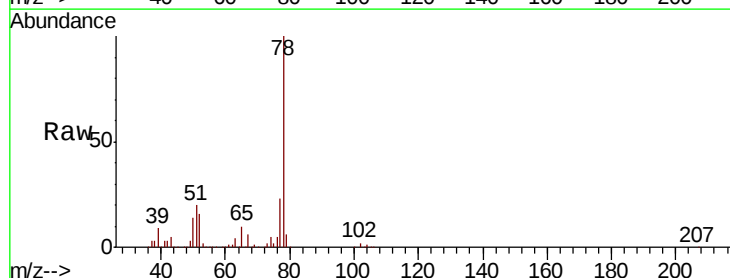
Instrument :
MSVOA_N
ClientSampled :

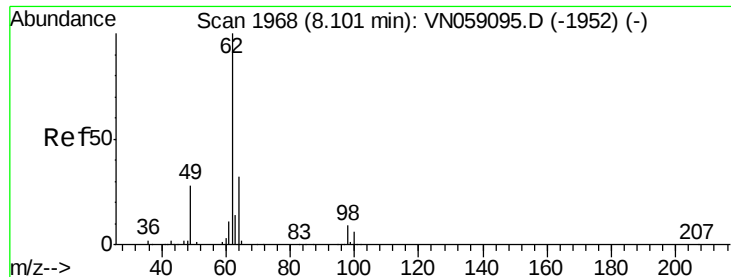
Tot Ion: 83 Resp: 21369
Ion Ratio Lower Upper
83 100
55 76.9 63.9 95.9
98 42.5 35.6 53.4



#40
Benzene
Concen: 80.529 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 78 Resp: 1537752
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2





#42

1,2-Dichloroethane

Concen: 1.923 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.08 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

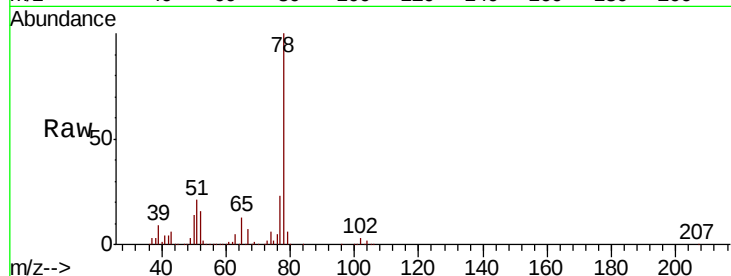
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 62 Resp: 12596

Ion Ratio Lower Upper

62 100

98 1.0 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN059293.D (-1875) (-)

Ion 97.90 (97.60 to 98.60): VN059293.D (-1875) (-)

8.02

6000

5000

4000

3000

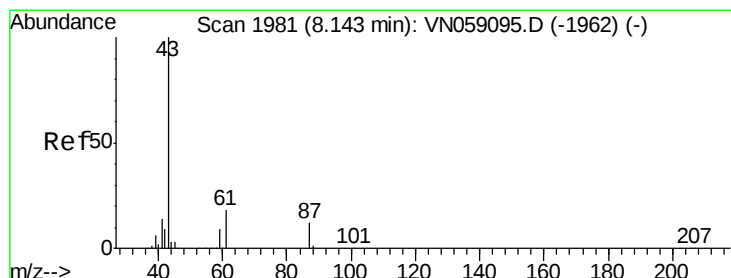
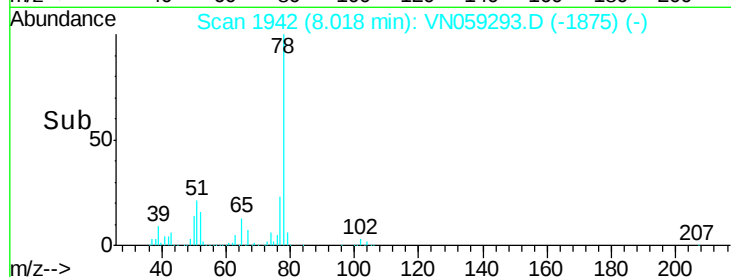
2000

1000

0

7.95 8.00 8.05 8.10

Time-->



#43

Isopropyl Acetate

Concen: 2.255 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

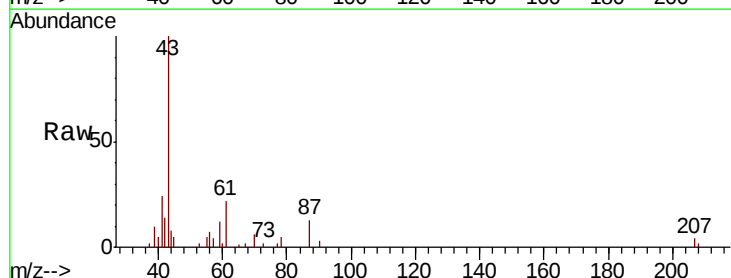
Tgt Ion: 43 Resp: 25357

Ion Ratio Lower Upper

43 100

61 0.0 21.0 31.6#

87 10.6 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059293.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059293.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059293.D (-1888) (-)

8.15

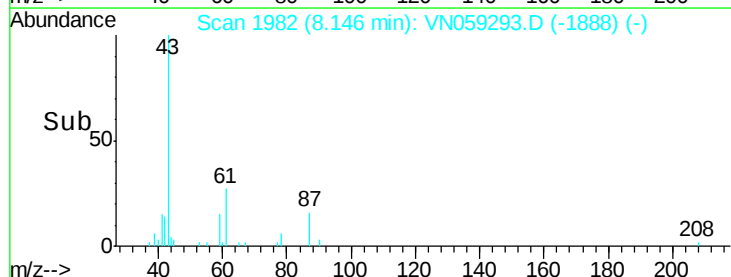
10000

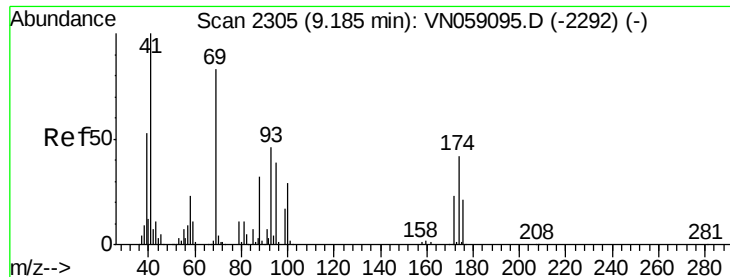
5000

0

8.10 8.15 8.20

Time-->

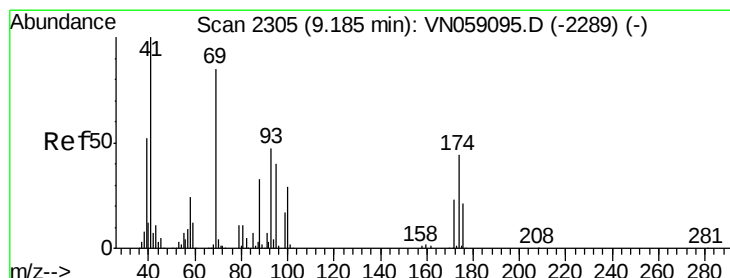
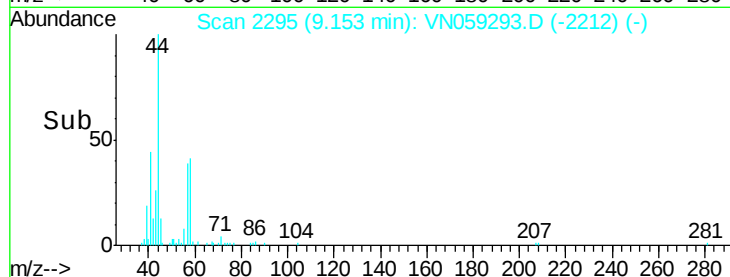
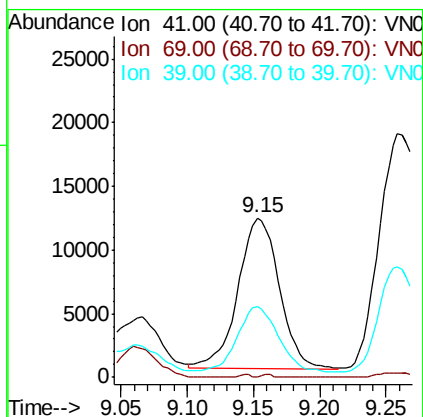
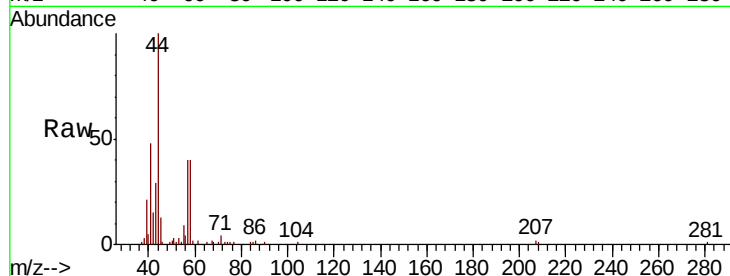




#48
Methvl methacrylate
Concen: 5.125 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.03 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

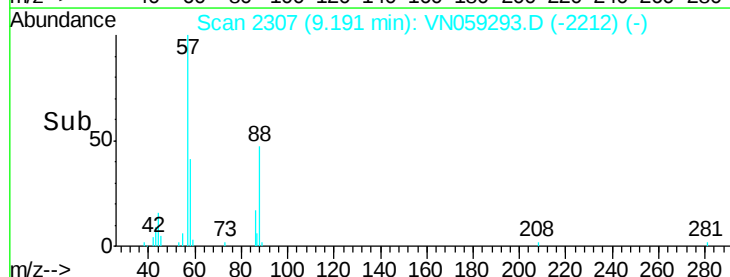
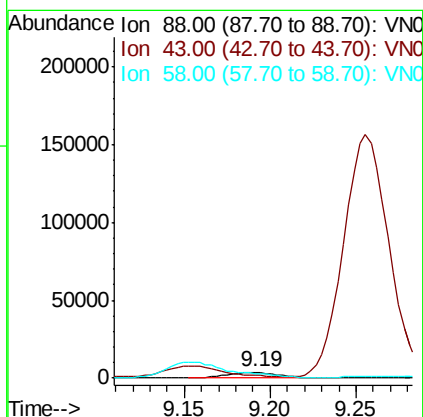
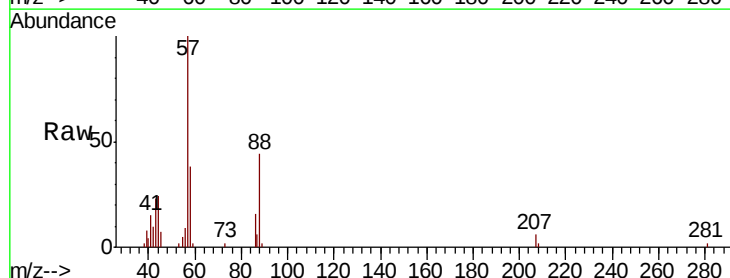
Instrument :
MSVOA_N
ClientSampled :

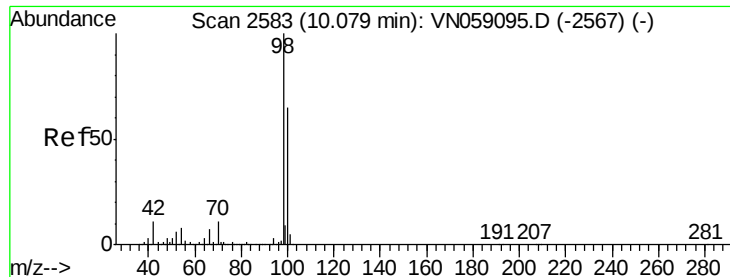
Tot Ion: 41 Resp: 25783
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 45.8 43.3 64.9



#49
1,4-Dioxane
Concen: 86.857 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.01 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 88 Resp: 7765
Ion Ratio Lower Upper
88 100
43 0.0 26.3 39.5#
58 0.0 60.6 90.8#





#50

Toluene-d8

Concen: 52.111 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

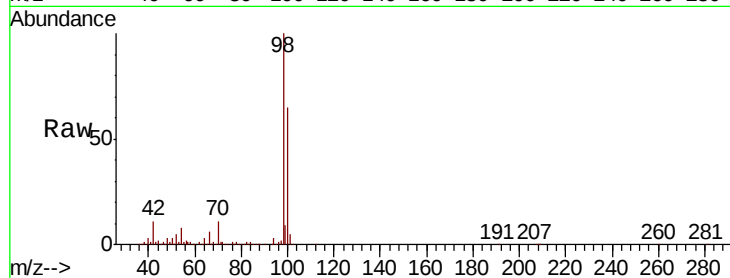
ClientSampleId :

Tot Ion: 98 Resp: 831481

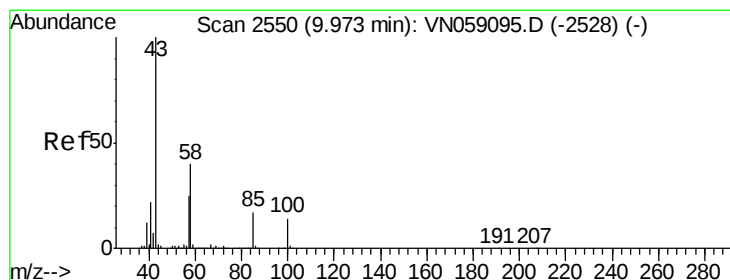
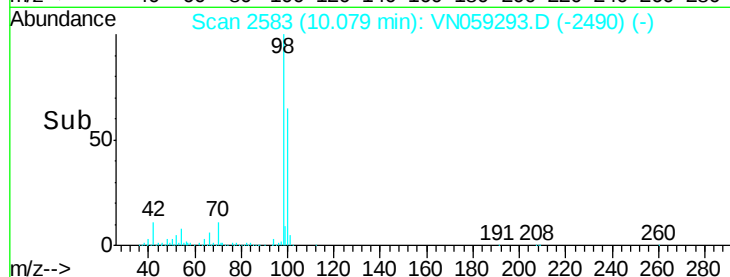
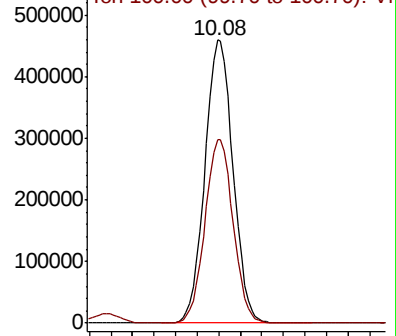
Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059095.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 30.163 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059293.D

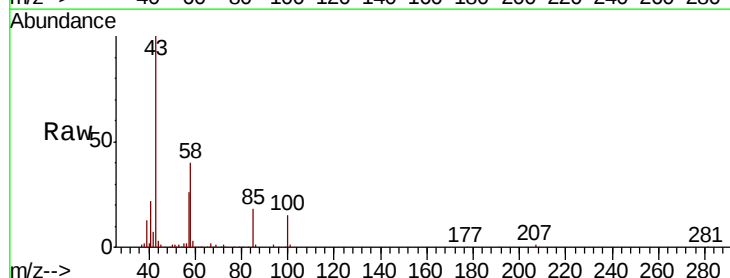
Acq: 18 Nov 2019 18:40

Tgt Ion: 43 Resp: 191947

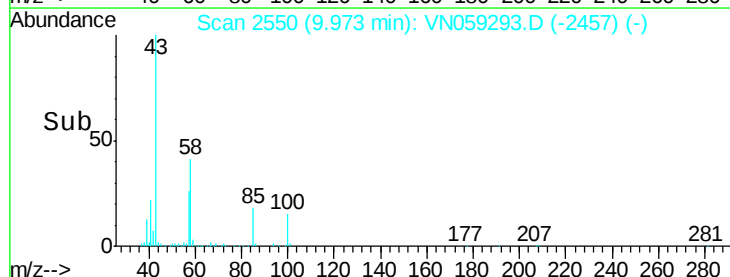
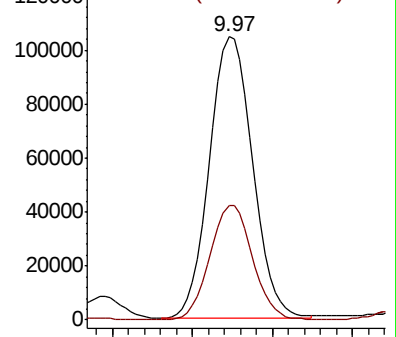
Ion Ratio Lower Upper

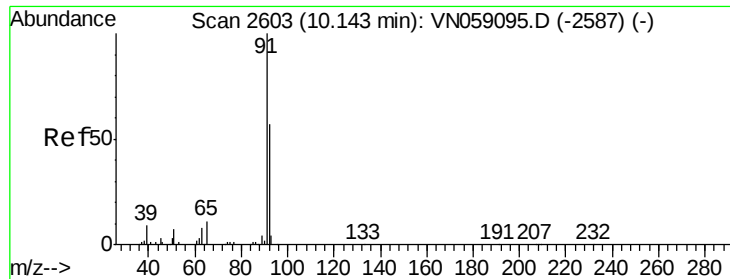
43 100

58 40.4 31.5 47.3



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





#52

Toluene

Concen: 406.831 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

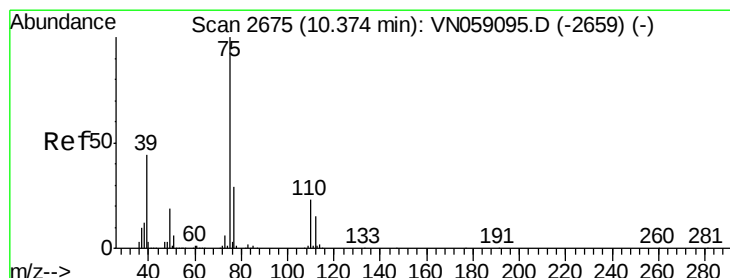
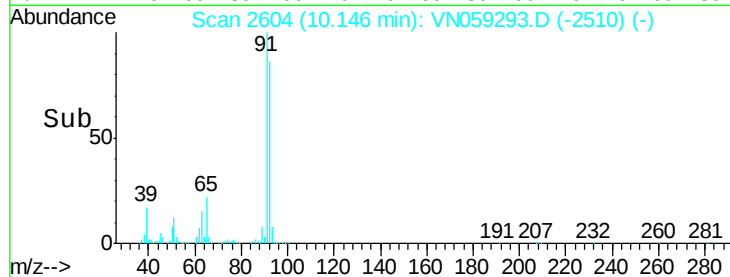
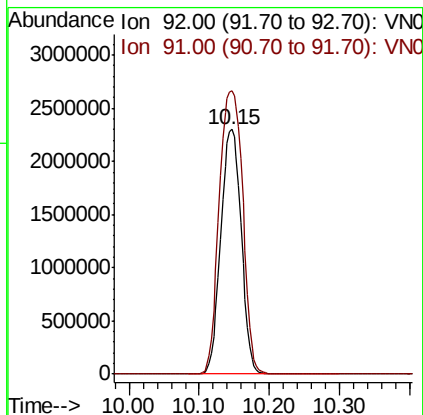
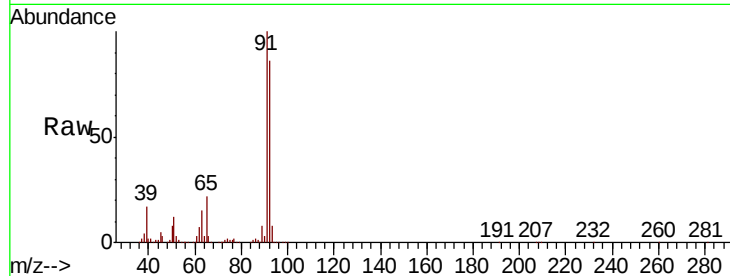
ClientSampled :

Tot Ion: 92 Resp: 4656333

Ion Ratio Lower Upper

92 100

91 133.4 139.5 209.3#



#53

t-1,3-Dichloropropene

Concen: 0.462 ug/l

RT: 10.45 min Scan# 2698

Delta R.T. 0.07 min

Lab File: VN059293.D

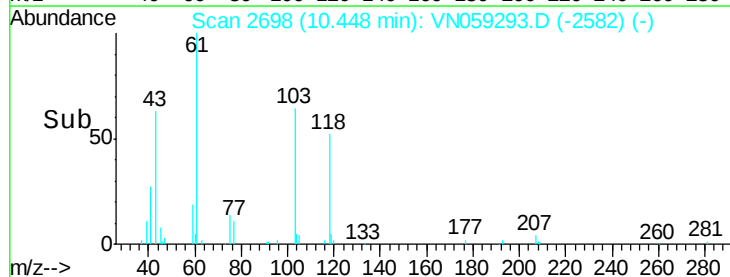
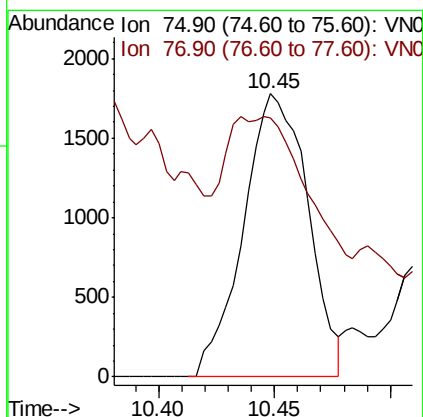
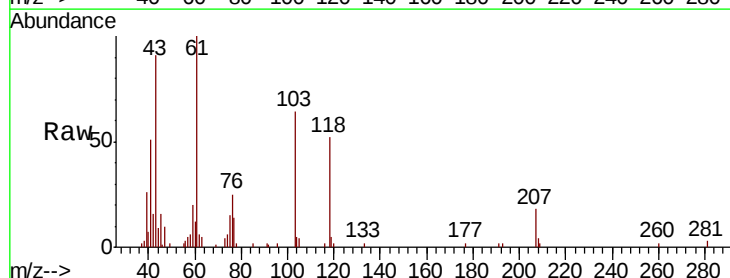
Acq: 18 Nov 2019 18:40

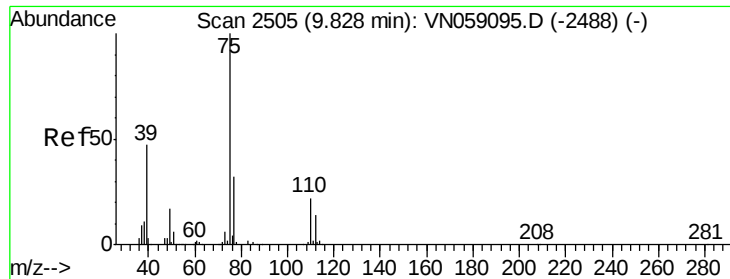
Tgt Ion: 75 Resp: 3444

Ion Ratio Lower Upper

75 100

77 43.7 25.3 37.9#





#54

cis-1,3-Dichloropropene

Concen: 0.210 ug/l

RT: 9.80 min Scan# 2497

Delta R.T. -0.03 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :
MSVOA_N
ClientSampled :

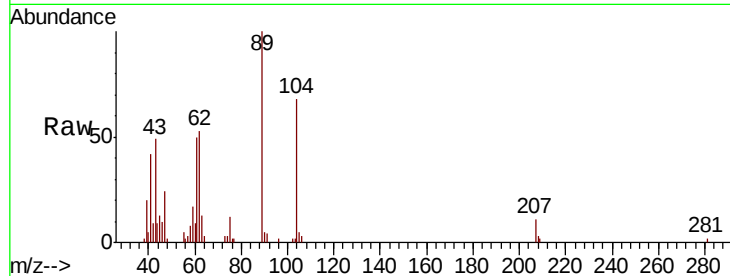
Tot Ion: 75 Resp: 1683

Ion Ratio Lower Upper

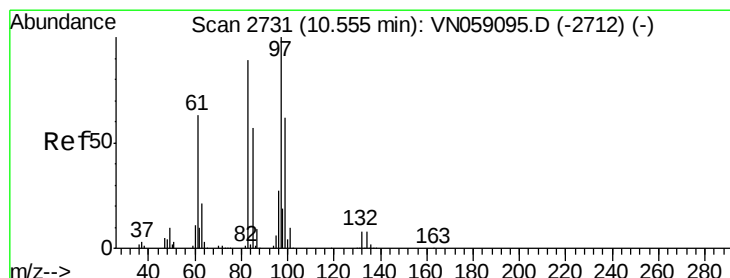
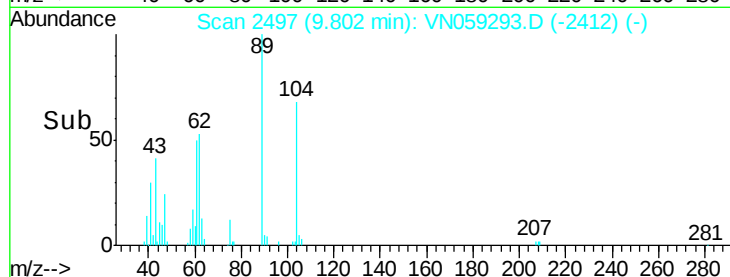
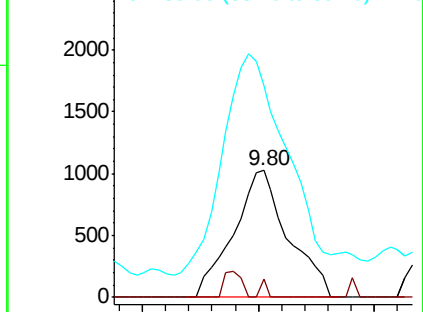
75 100

77 14.9 25.5 38.3#

39 140.0 37.3 55.9#



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 76.90 (76.60 to 77.60): VNC
Ion 39.00 (38.70 to 39.70): VNC



#55

1,1,2-Trichloroethane

Concen: 0.207 ug/l

RT: 10.53 min Scan# 2722

Delta R.T. -0.03 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Tgt Ion: 97 Resp: 959

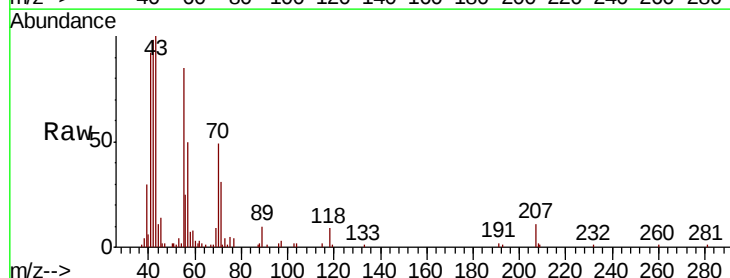
Ion Ratio Lower Upper

97 100

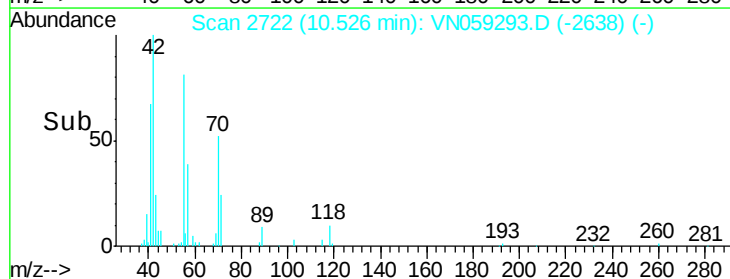
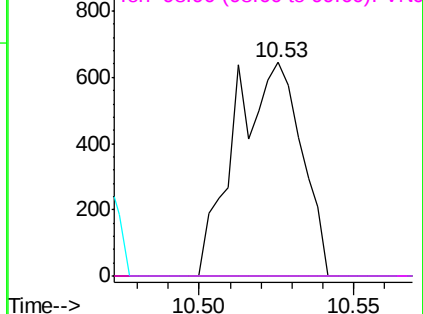
83 0.0 71.0 106.4#

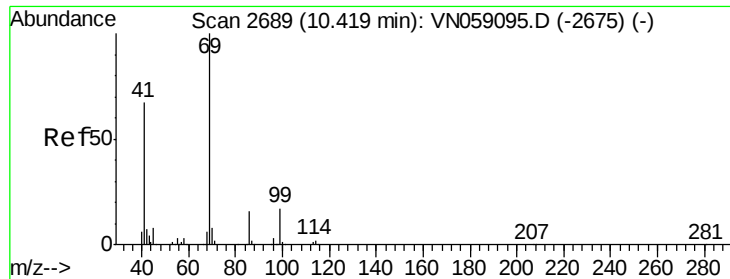
85 0.0 45.8 68.8#

99 0.0 49.4 74.0#



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 98.90 (98.60 to 99.60): VNC





#56

Ethyl methacrylate

Concen: 1.974 ug/l

RT: 10.41 min Scan# 2686

Delta R.T. -0.01 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

ClientSampled :

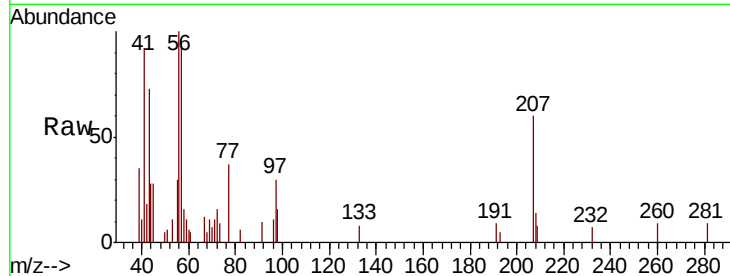
Tot Ion: 69 Resp: 813

Ion Ratio Lower Upper

69 100

41 607.1 53.6 80.4#

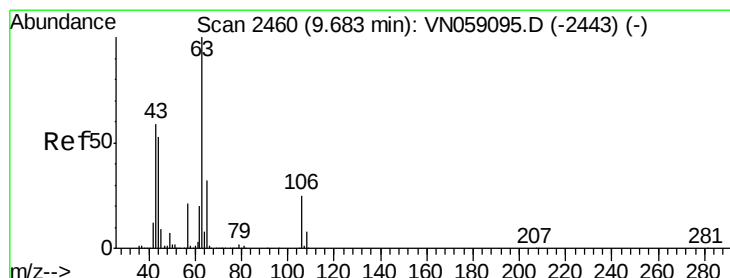
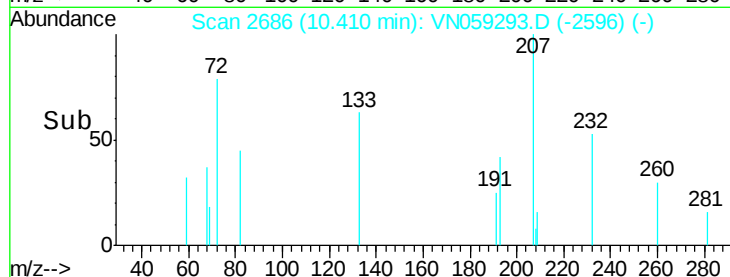
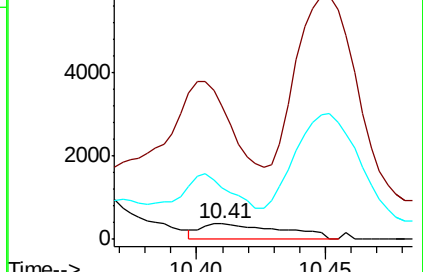
39 0.0 26.2 39.4#



Abundance Ion 69.00 (68.70 to 69.70): VN059293.D (-2596) (-)

Ion 41.00 (40.70 to 41.70): VN059293.D (-2596) (-)

Ion 39.00 (38.70 to 39.70): VN059293.D (-2596) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 0.853 ug/l

RT: 9.80 min Scan# 2497

Delta R.T. 0.12 min

Lab File: VN059293.D

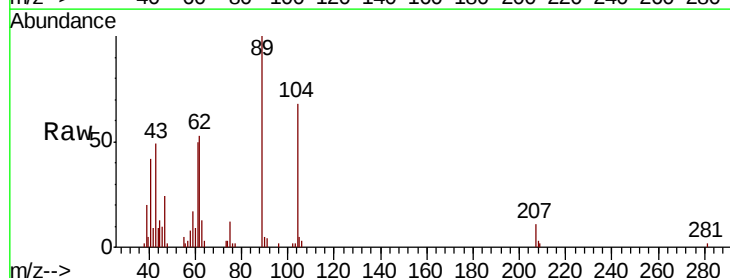
Acq: 18 Nov 2019 18:40

Tgt Ion: 63 Resp: 2199

Ion Ratio Lower Upper

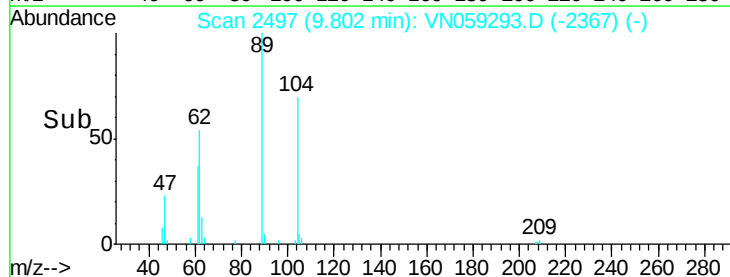
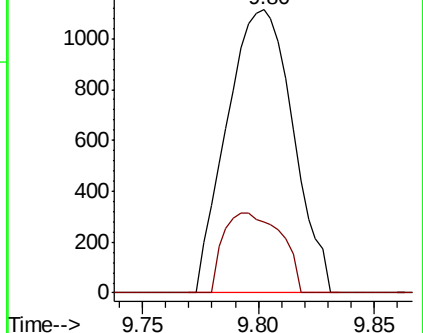
63 100

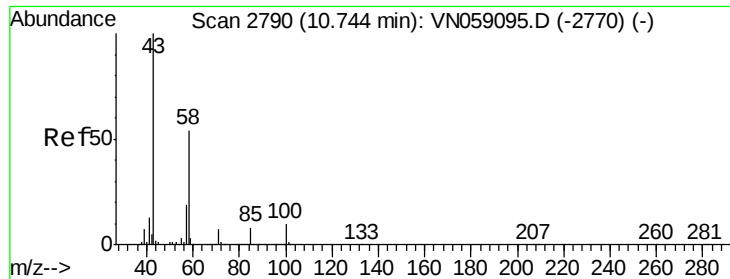
106 24.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN059293.D (-2367) (-)

Ion 105.90 (105.60 to 106.60): VN059293.D (-2367) (-)

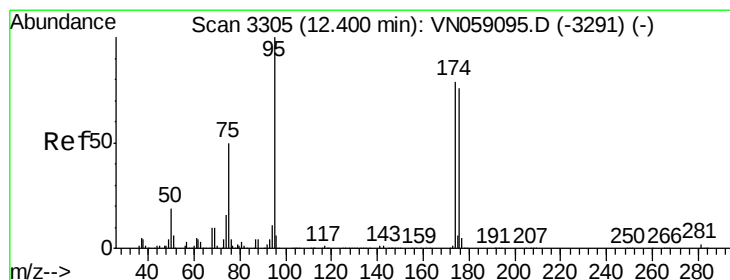
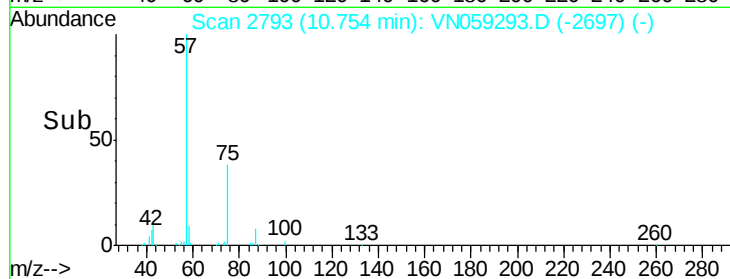
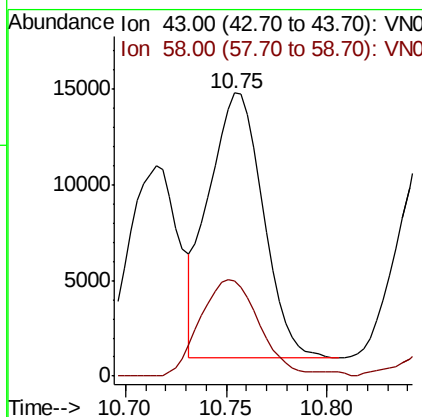
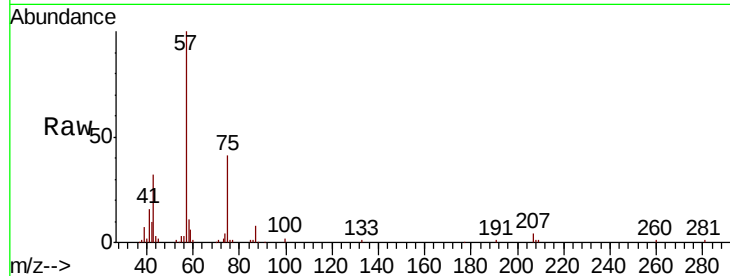




#59
2-Hexanone
Concen: 5.331 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

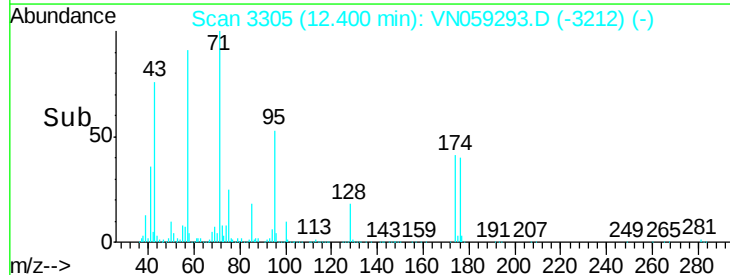
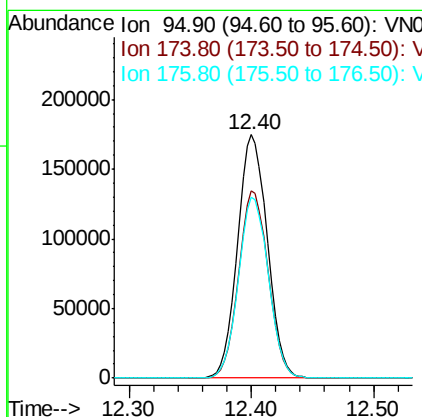
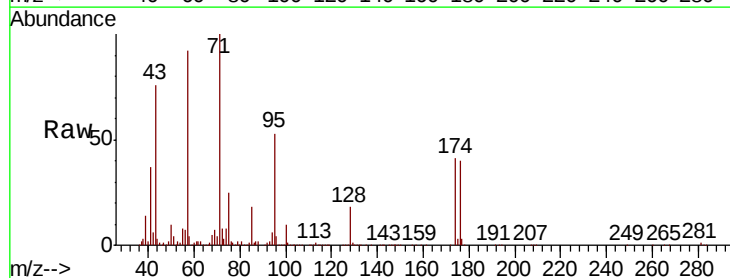
Instrument :
MSVOA_N
ClientSampleId :

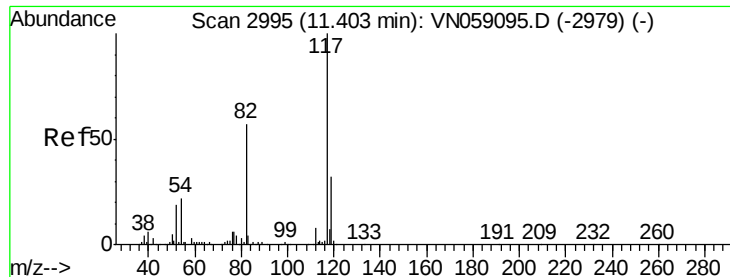
Tot Ion: 43 Resp: 26037
Ion Ratio Lower Upper
43 100
58 39.4 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 50.991 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 95 Resp: 293356
Ion Ratio Lower Upper
95 100
174 76.7 0.0 158.2
176 75.0 0.0 151.8

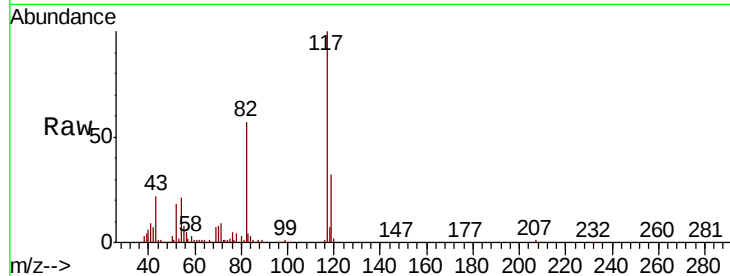




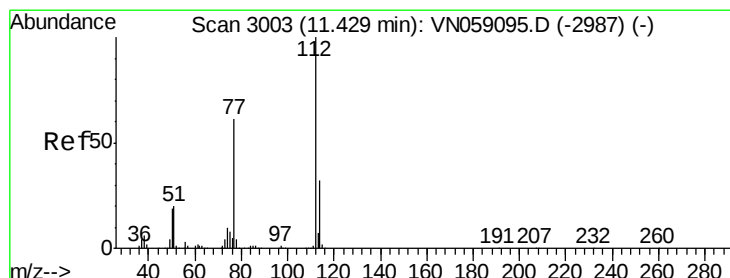
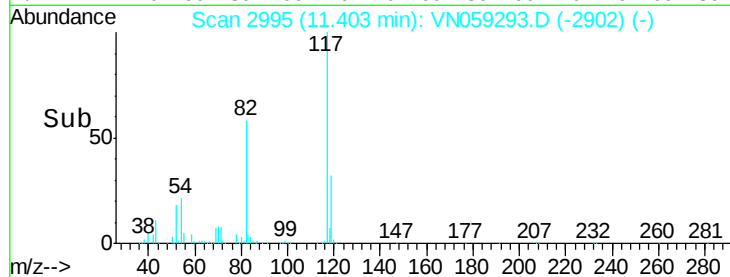
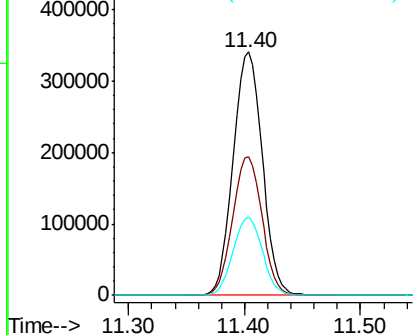
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 594078
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.8
119 32.0 25.8 38.6

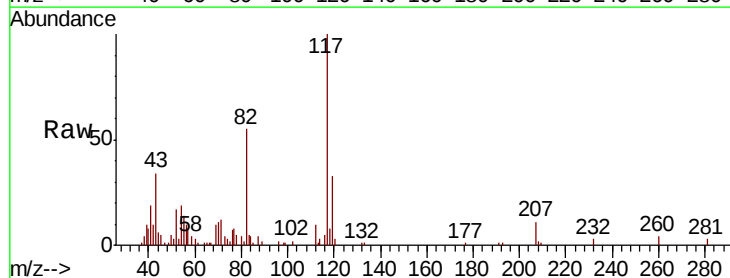


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

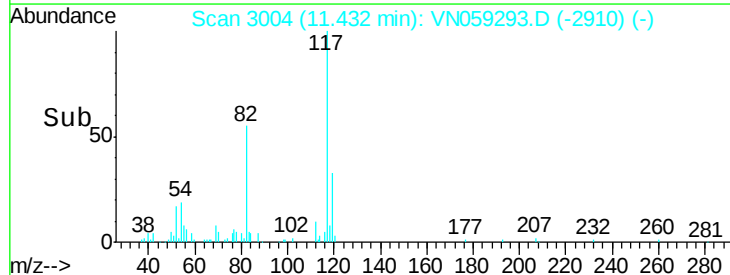
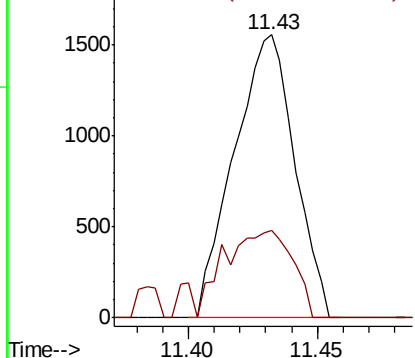


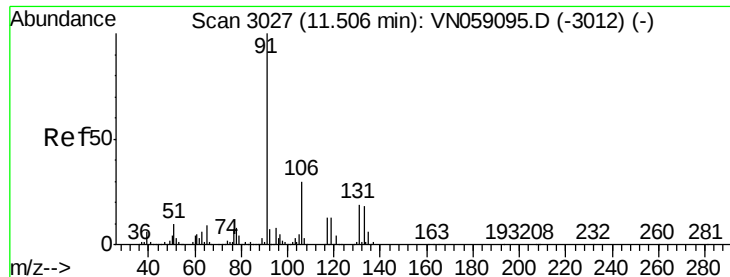
#65
Chlorobenzene
Concen: 0.220 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion:112 Resp: 2547
Ion Ratio Lower Upper
112 100
114 31.0 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

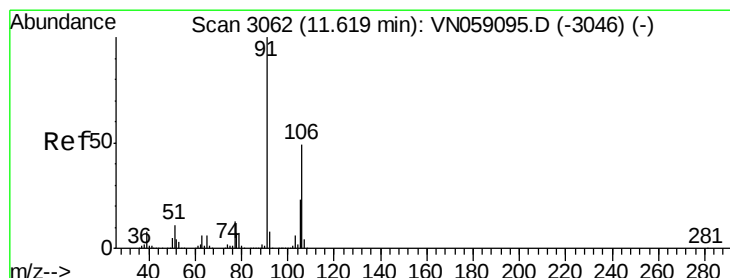
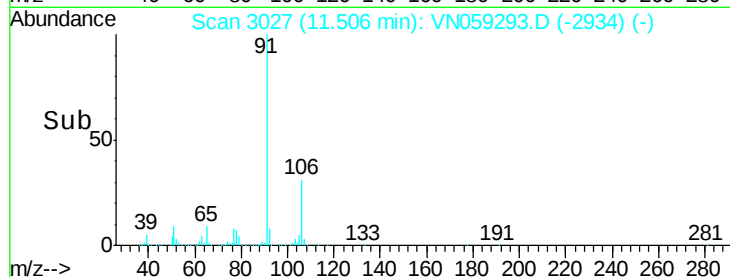
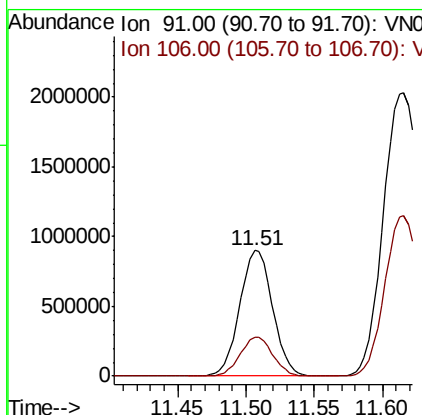
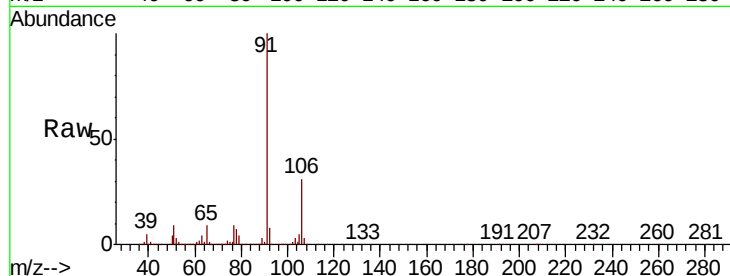




#67
Ethyl Benzene
Concen: 73.531 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

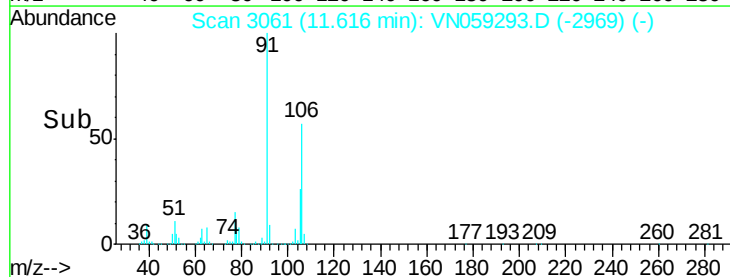
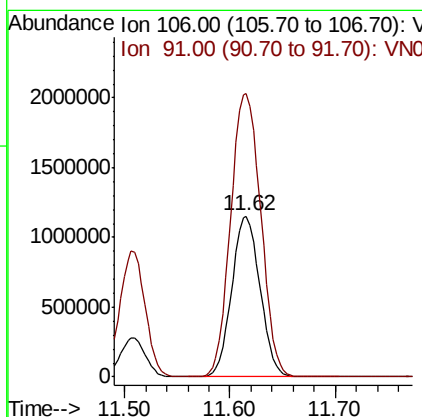
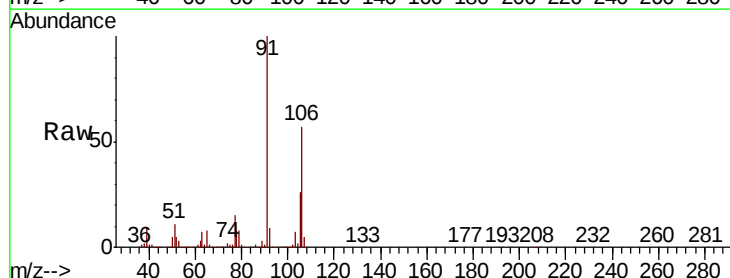
Instrument :
MSVOA_N
ClientSampled :

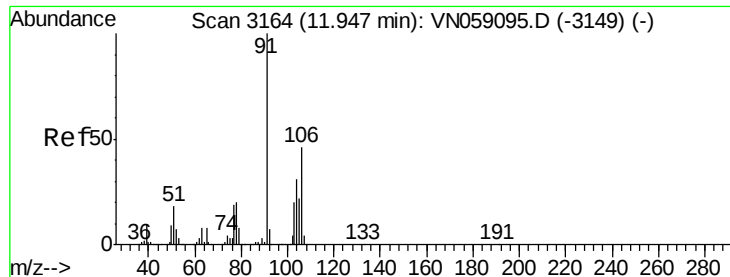
Tot Ion: 91 Resp: 1510849
Ion Ratio Lower Upper
91 100
106 31.1 24.1 36.1



#68
m/p-Xylenes
Concen: 277.291 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 106 Resp: 2134226
Ion Ratio Lower Upper
106 100
91 188.1 164.7 247.1

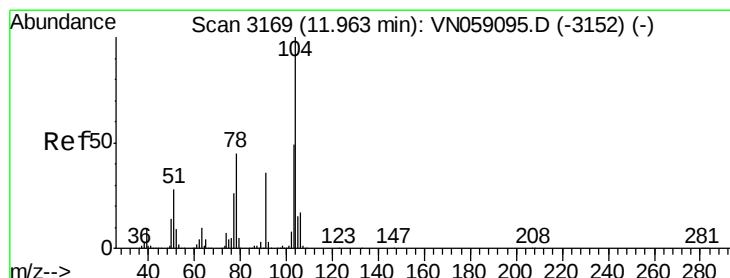
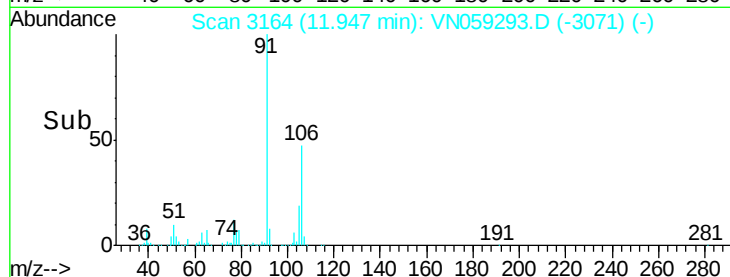
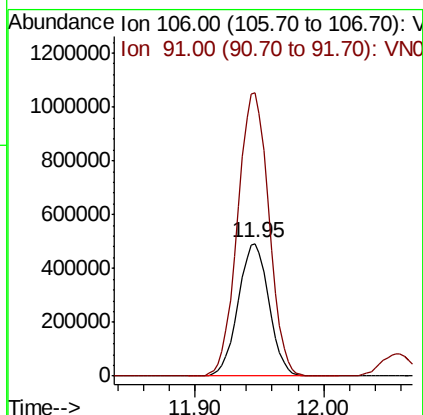
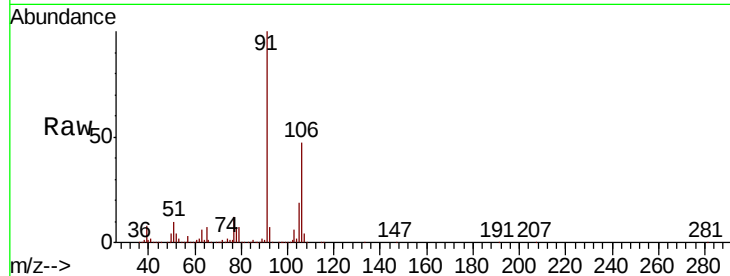




#69
o-Xylene
Concen: 109.966 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

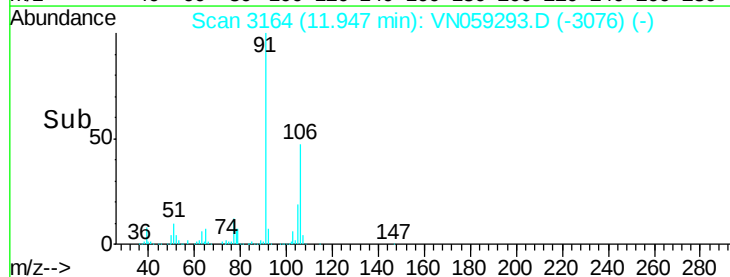
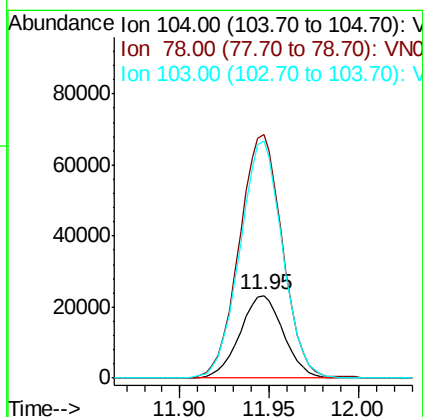
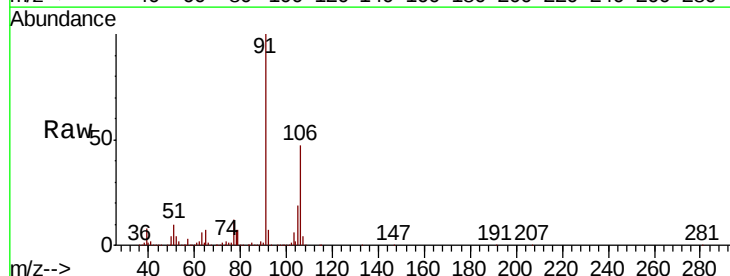
Instrument :
MSVOA_N
ClientSampleId :

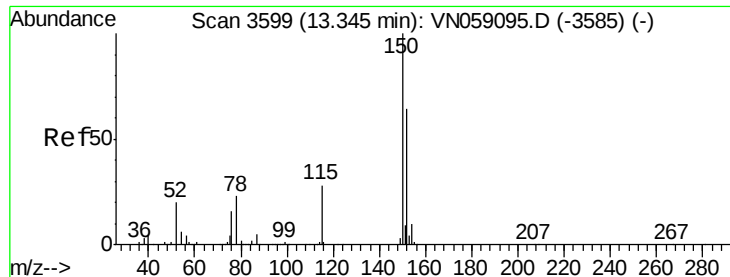
Tot Ion:106 Resp: 817937
Ion Ratio Lower Upper
106 100
91 217.4 110.1 330.3



#70
Styrene
Concen: 3.374 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion:104 Resp: 39475
Ion Ratio Lower Upper
104 100
78 294.5 41.2 61.8#
103 282.4 43.8 65.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

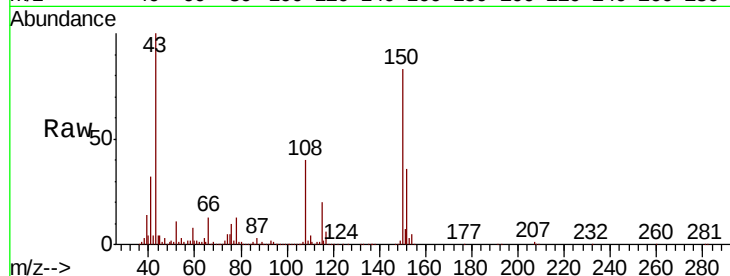
Tot Ion:152 Resp: 325597

Ion Ratio Lower Upper

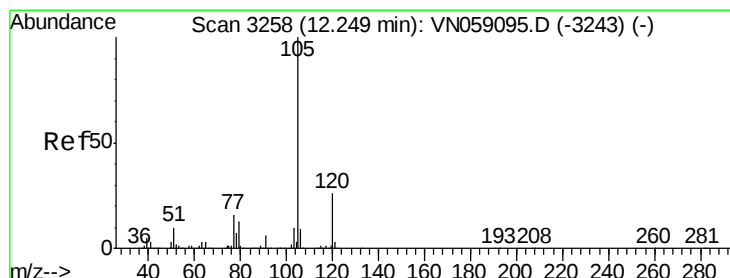
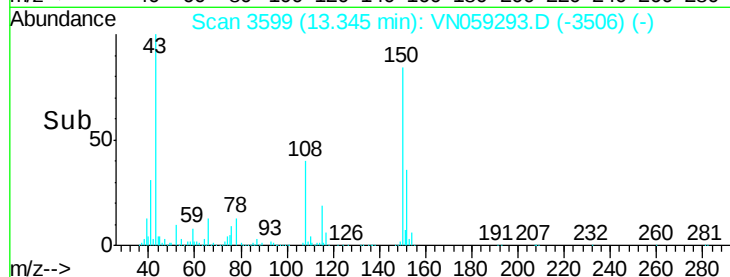
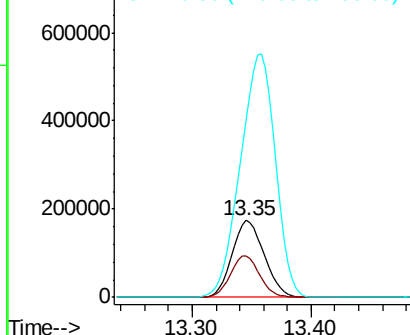
152 100

115 48.9 29.4 88.2

150 345.9 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



#73

Isopropylbenzene

Concen: 1.431 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN059293.D

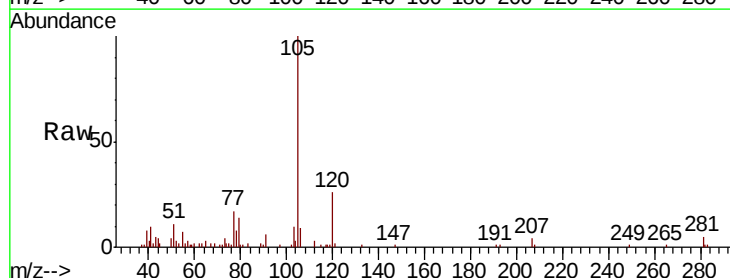
Acq: 18 Nov 2019 18:40

Tgt Ion:105 Resp: 33902

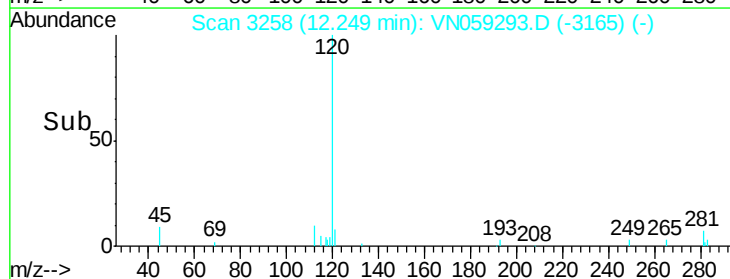
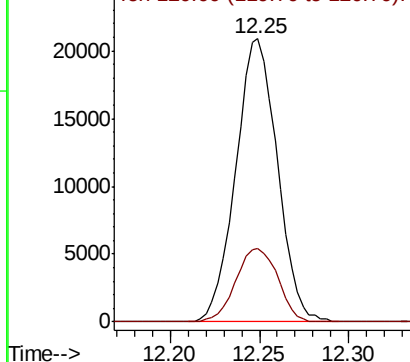
Ion Ratio Lower Upper

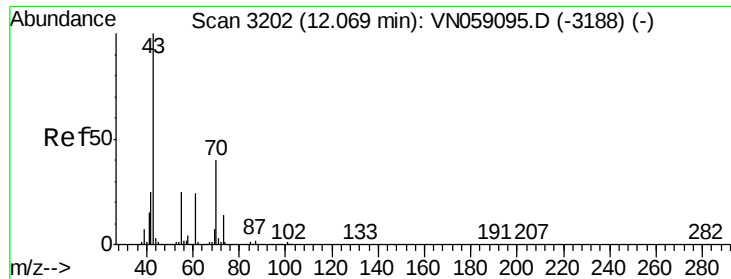
105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 6.980 ug/l

RT: 11.99 min Scan# 3179

Delta R.T. -0.07 min

Lab File: VN059293.D

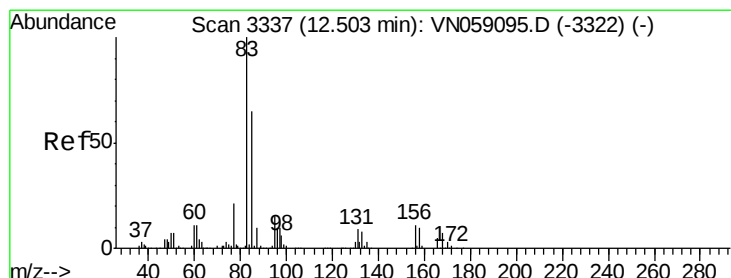
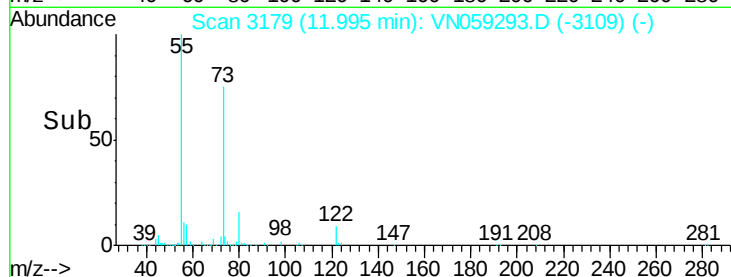
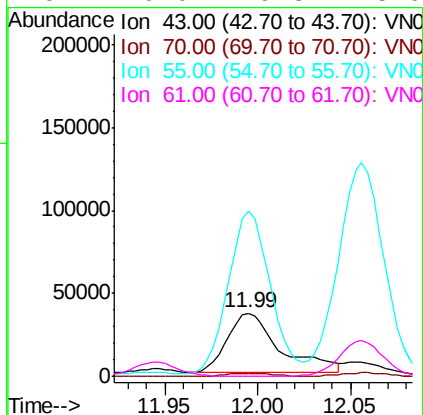
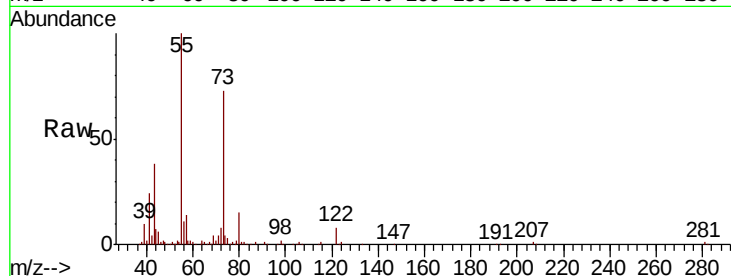
Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	70055
Ion	Ratio	Lower	Upper
43	100		
70	4.7	32.2	48.4#
55	219.7	20.4	30.6#
61	0.0	19.3	28.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 2.993 ug/l

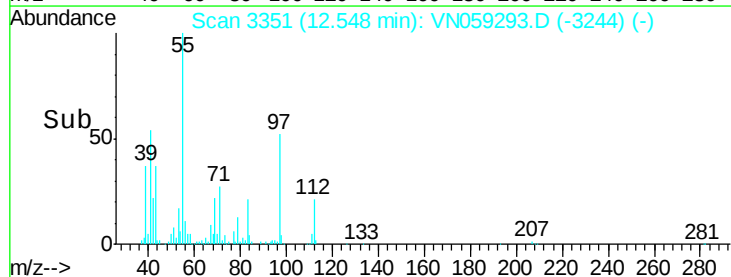
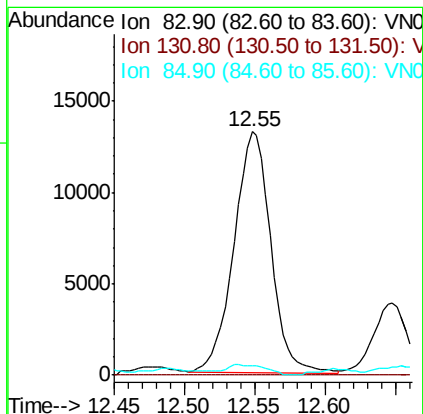
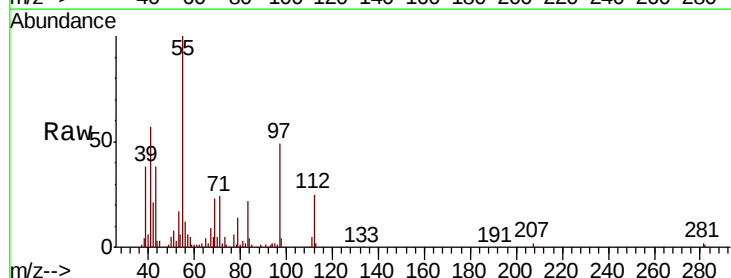
RT: 12.55 min Scan# 3351

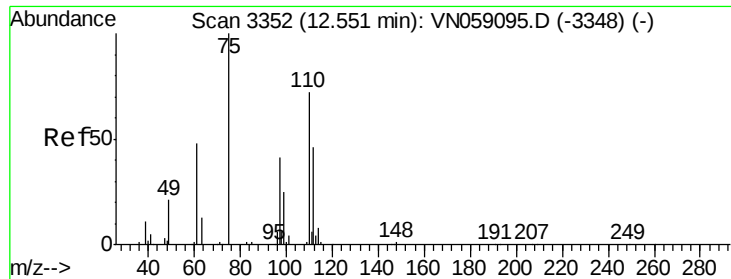
Delta R.T. 0.05 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Tgt Ion:	83	Resp:	24142
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	0.0	32.4	97.2#

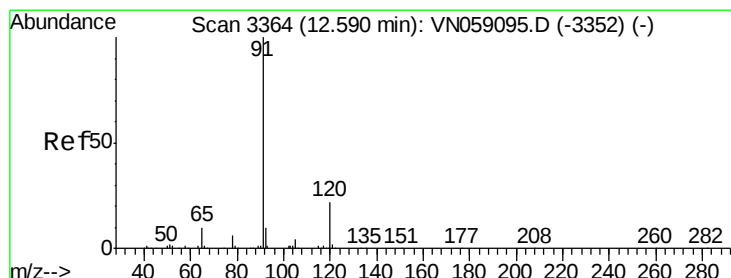
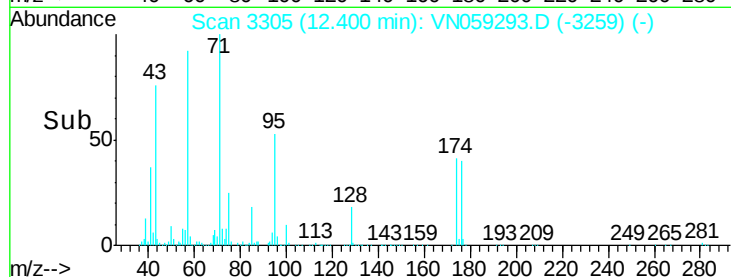
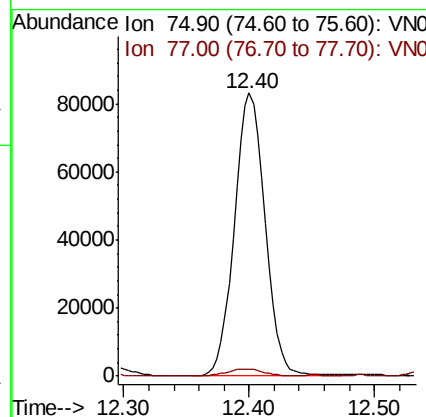
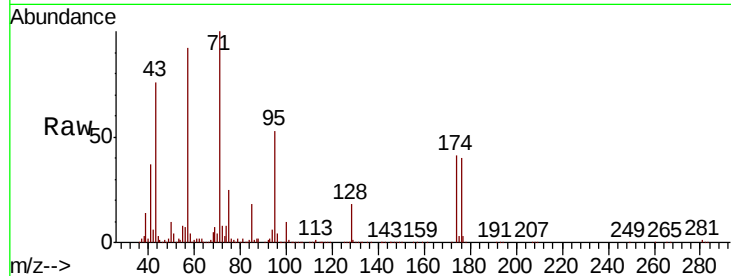




#76
 1,2,3-Trichloropropane
 Concen: 19.092 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN059293.D
 Acq: 18 Nov 2019 18:40

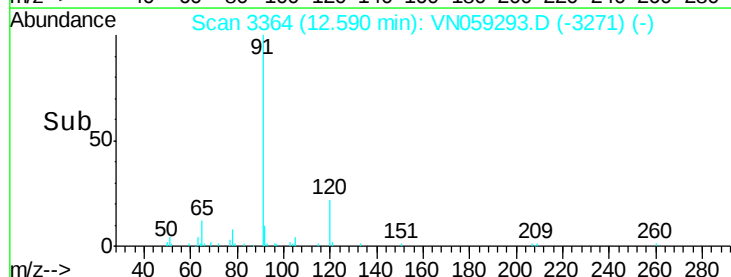
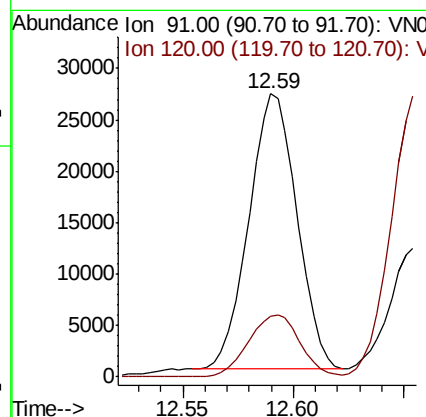
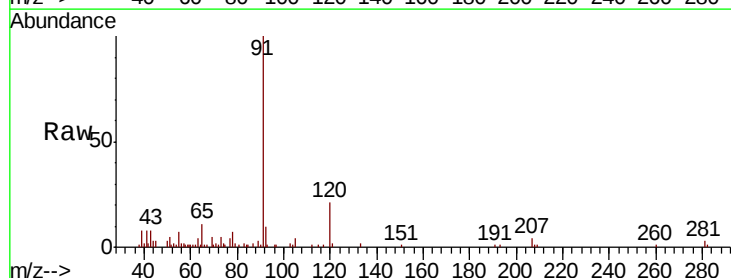
Instrument :
 MSVOA_N
 ClientSampleId :

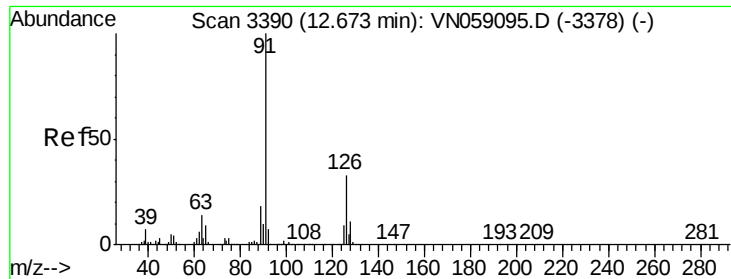
Tot Ion: 75 Resp: 141525
 Ion Ratio Lower Upper
 75 100
 77 3.0 0.0 0.0#



#78
 n-propylbenzene
 Concen: 1.492 ug/l
 RT: 12.59 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN059293.D
 Acq: 18 Nov 2019 18:40

Tgt Ion: 91 Resp: 40466
 Ion Ratio Lower Upper
 91 100
 120 24.3 11.2 33.5

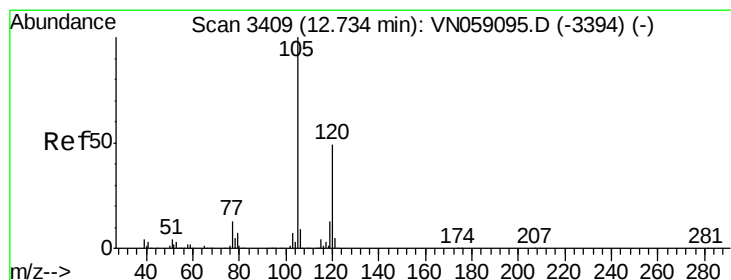
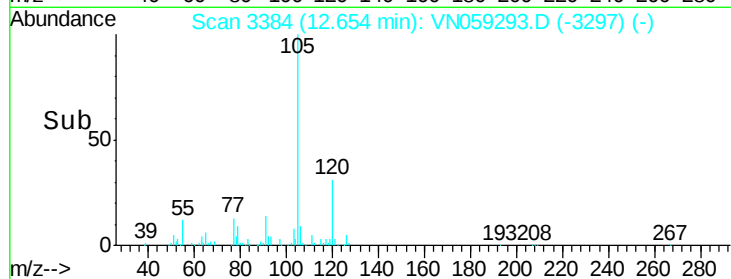
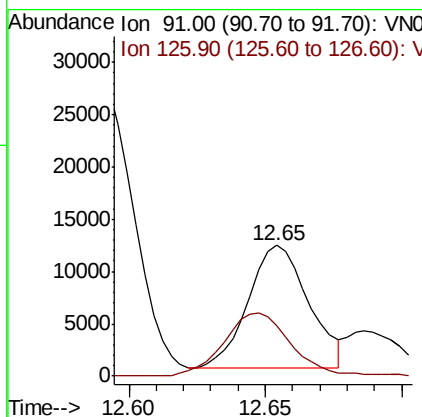
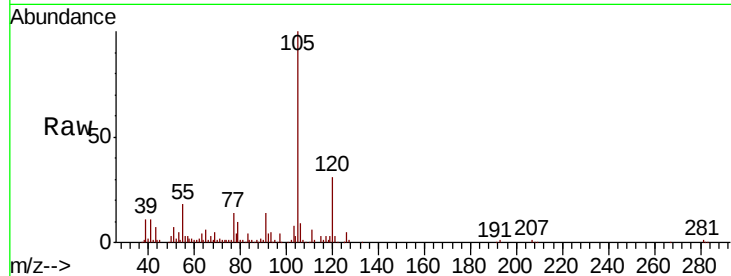




#79
 2-Chlorotoluene
 Concen: 1.073 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN059293.D
 Acq: 18 Nov 2019 18:40

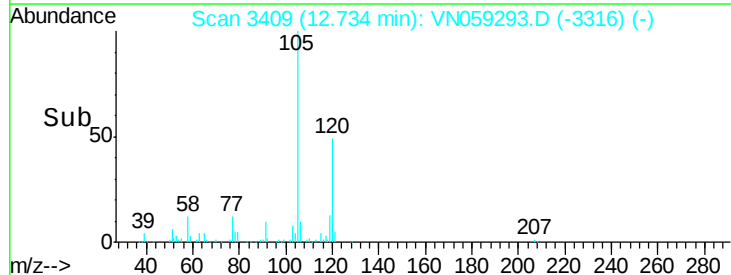
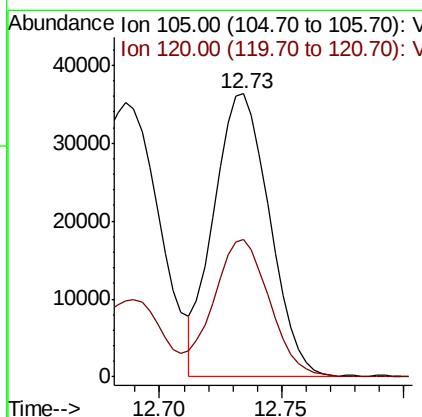
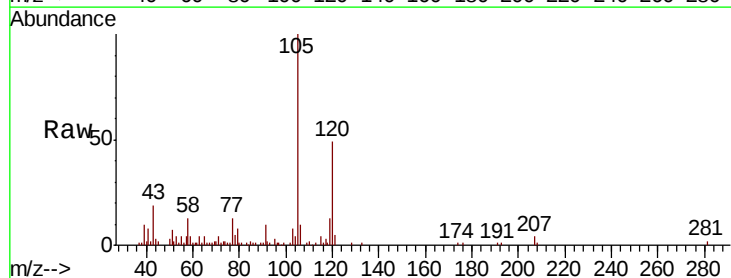
Instrument :
 MSVOA_N
 ClientSampled :

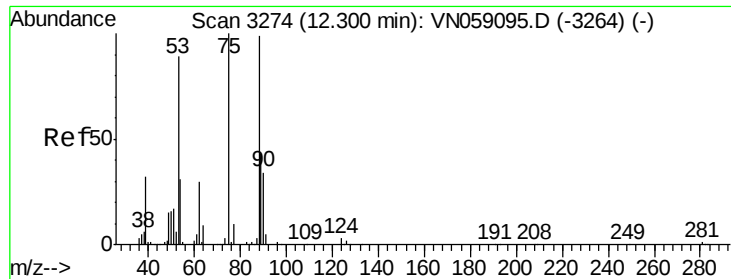
Tot Ion: 91 Resp: 18056
 Ion Ratio Lower Upper
 91 100
 126 57.0 16.7 50.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.887 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN059293.D
 Acq: 18 Nov 2019 18:40

Tgt Ion: 105 Resp: 57946
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 50.428 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

ClientSampleId :

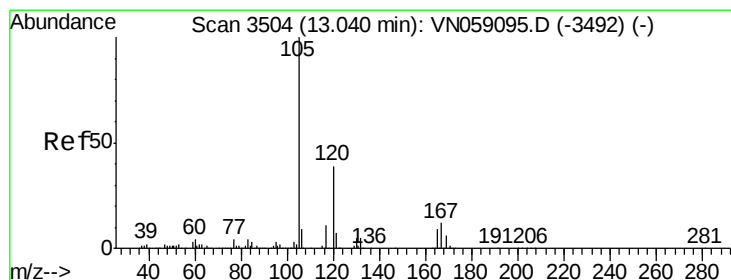
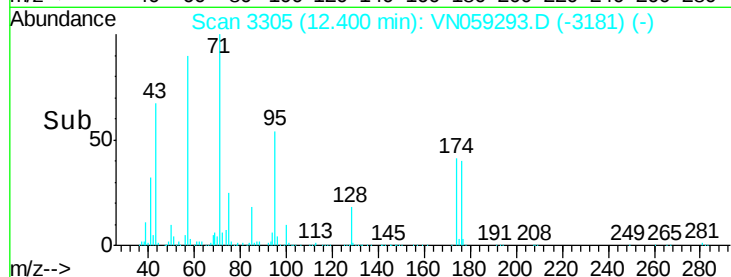
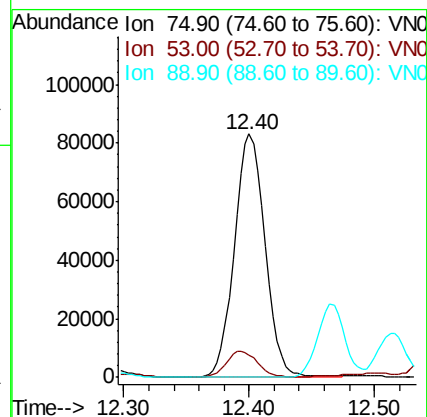
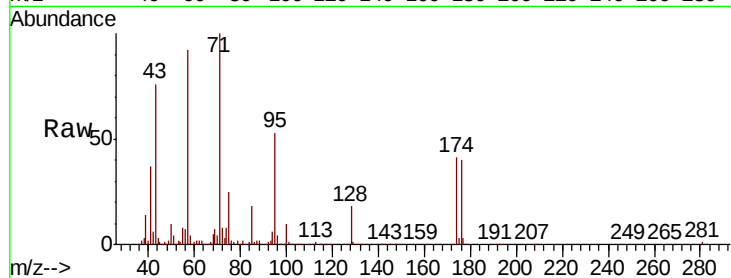
Tot Ion: 75 Resp: 141525

Ion Ratio Lower Upper

75 100

53 10.9 72.2 108.2#

89 0.0 35.8 53.8#



#84

1,2,4-Trimethylbenzene

Concen: 8.467 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059293.D

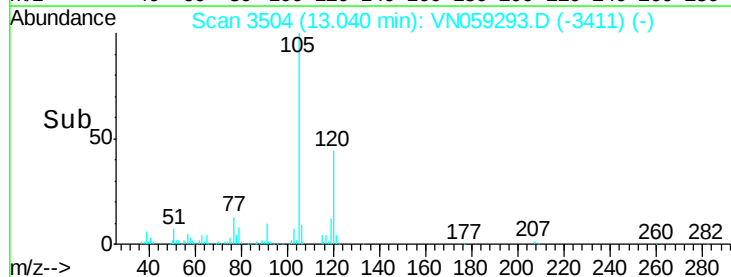
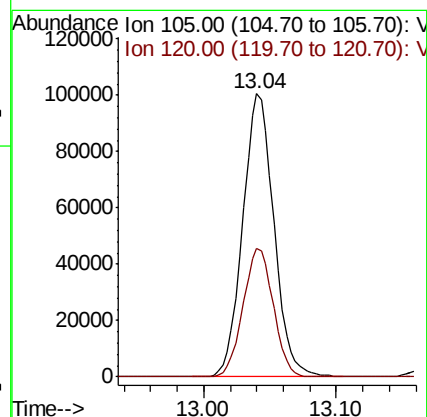
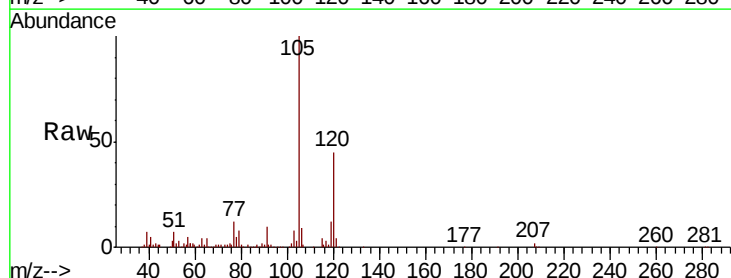
Acq: 18 Nov 2019 18:40

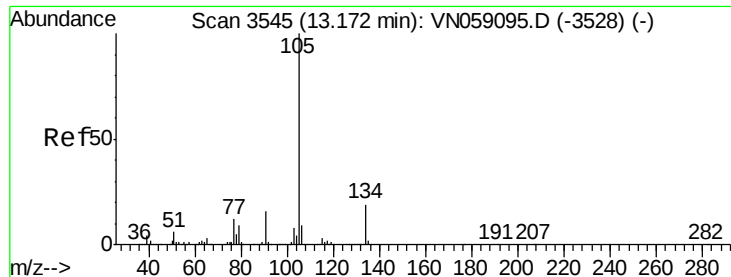
Tgt Ion: 105 Resp: 164399

Ion Ratio Lower Upper

105 100

120 44.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 0.363 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

Instrument :

MSVOA_N

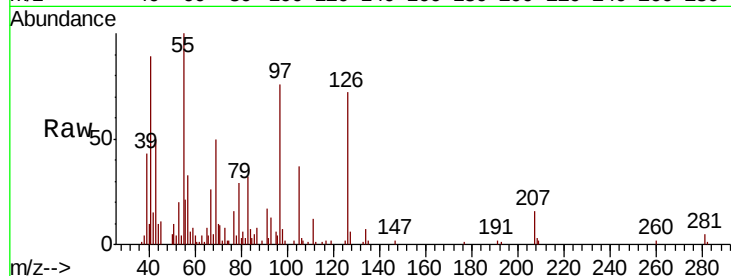
ClientSampleId :

Tot Ion:105 Resp: 8184

Ion Ratio Lower Upper

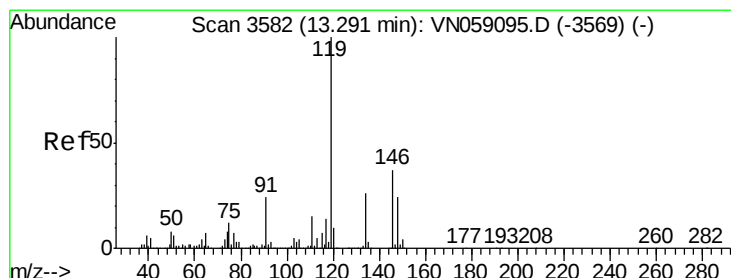
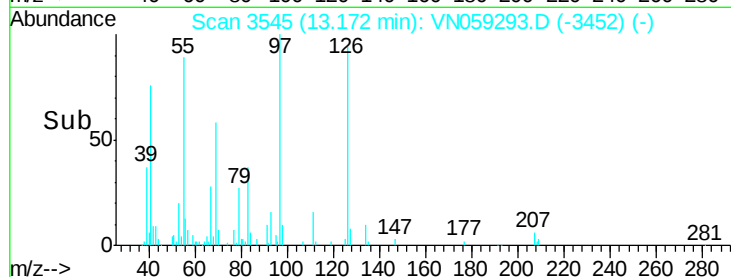
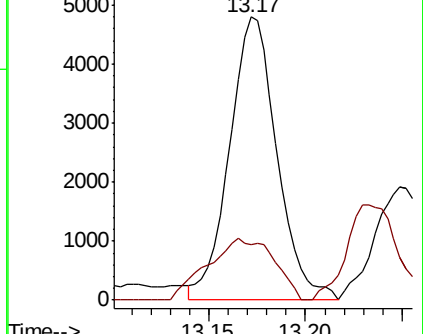
105 100

134 30.4 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.379 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN059293.D

Acq: 18 Nov 2019 18:40

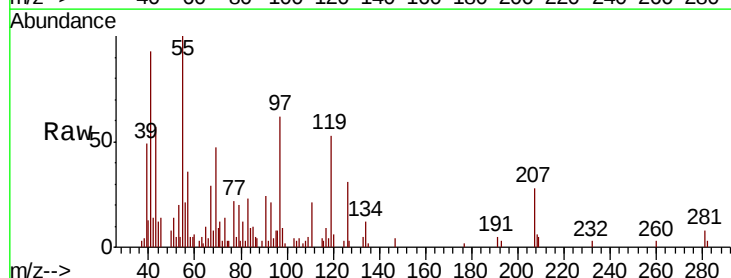
Tgt Ion:119 Resp: 7550

Ion Ratio Lower Upper

119 100

134 23.2 13.0 38.9

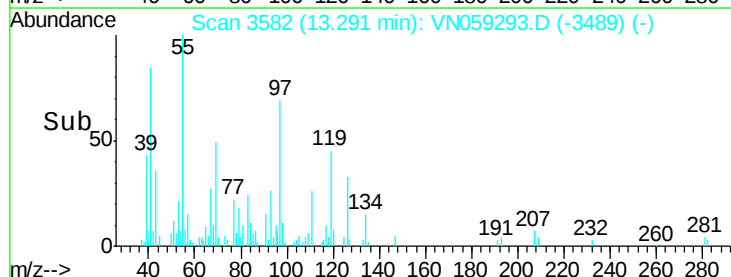
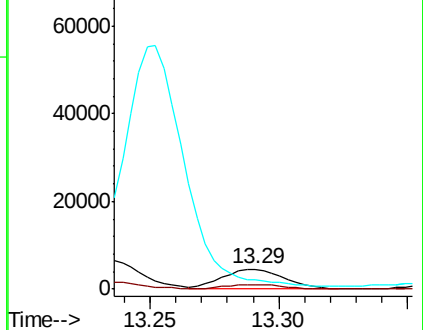
91 0.0 11.7 35.1#

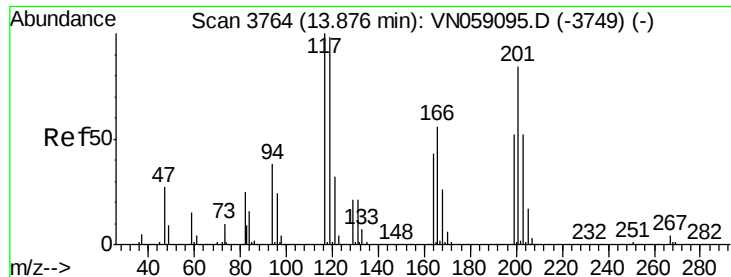


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

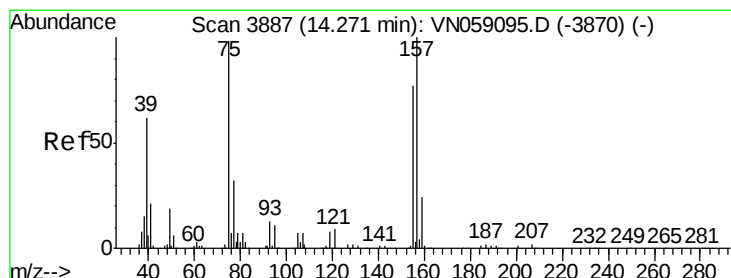
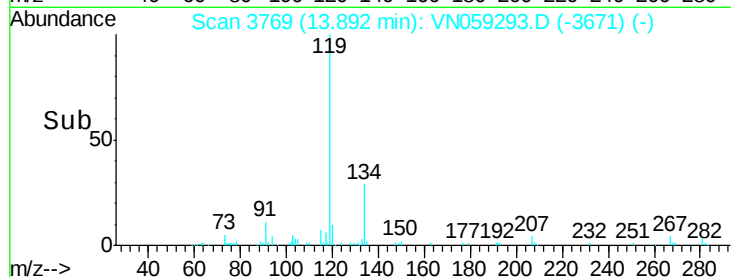
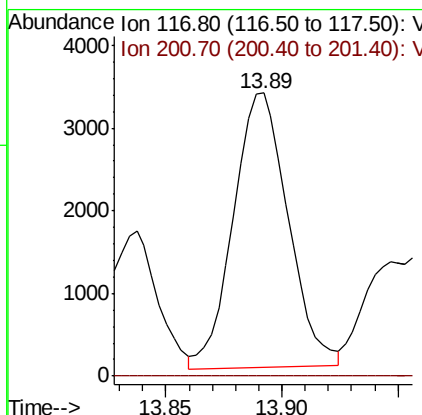
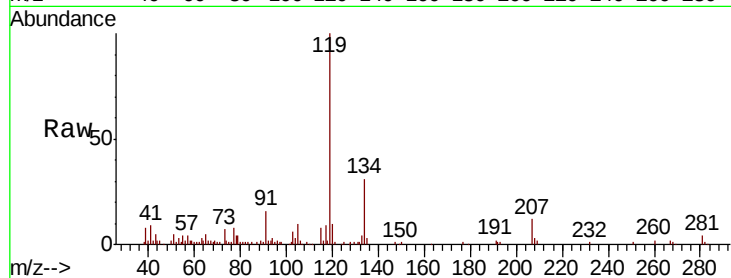




#90
Hexachloroethane
Concen: 1.368 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

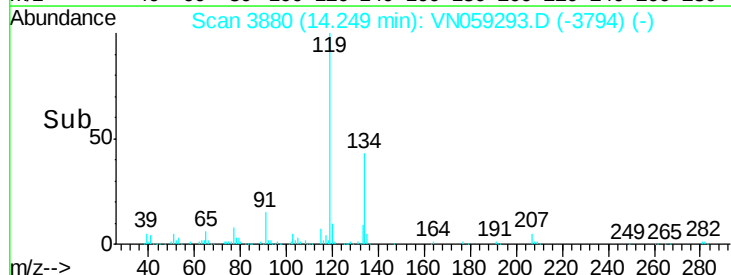
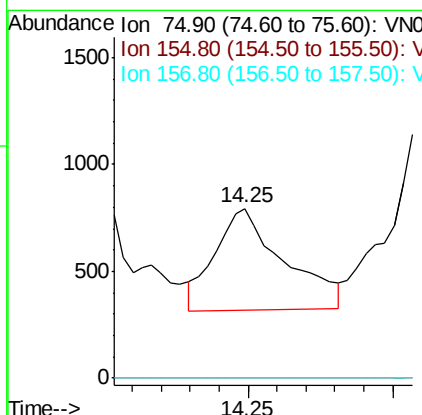
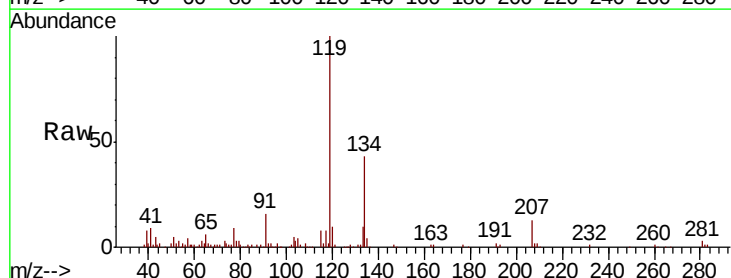
Instrument :
MSVOA_N
ClientSampleId :

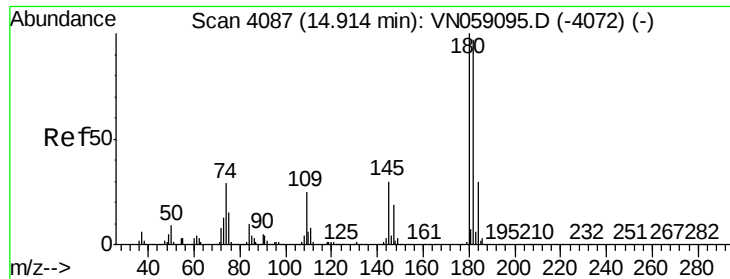
Tot Ion:117 Resp: 5468
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.513 ug/l
RT: 14.25 min Scan# 3880
Delta R.T. -0.02 min
Lab File: VN059293.D
Acq: 18 Nov 2019 18:40

Tgt Ion: 75 Resp: 784
Ion Ratio Lower Upper
75 100
155 0.0 40.2 120.6#
157 0.0 51.8 155.5#

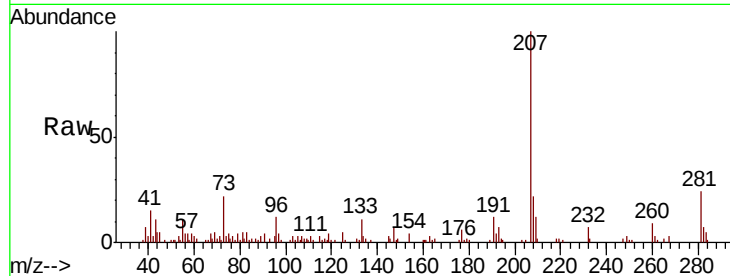




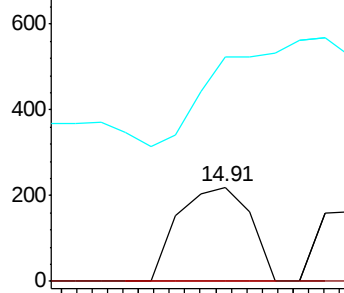
#93
 1,2,4-Trichlorobenzene
 Concen: 3.068 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059293.D
 Acq: 18 Nov 2019 18:40

Instrument :
 MSVOA_N
 ClientSampleId :

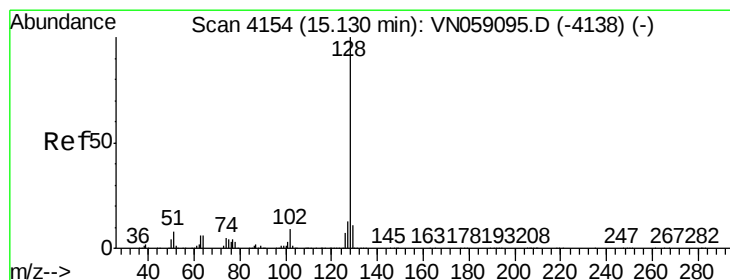
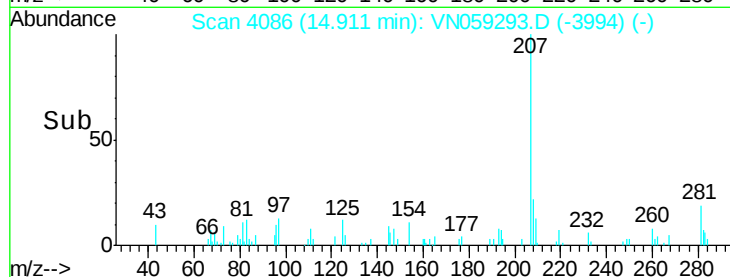
Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.3#
145	308.5	15.1	45.3#



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

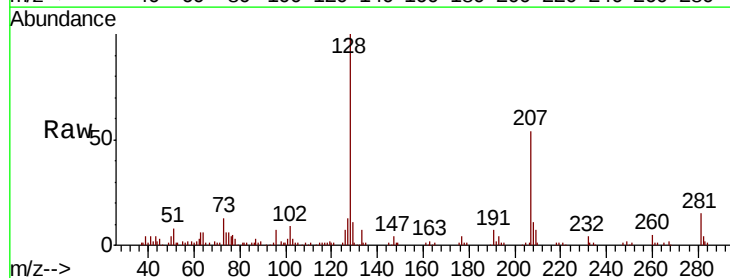


Time--> 14.89 14.90 14.91 14.92

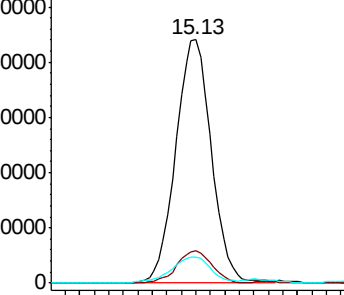


#95
 Naphthalene
 Concen: 7.252 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059293.D
 Acq: 18 Nov 2019 18:40

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	12.1	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



Time--> 15.05 15.10 15.15 15.20

