

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059286.D
 Acq On : 18 Nov 2019 16:06
 Operator : JC/SP
 Sample : K5900-02DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:48:18 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	7.65	168	496712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	771799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	680132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341147	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	278955	45.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.38%	
35) Dibromofluoromethane	7.57	113	231429	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
50) Toluene-d8	10.08	98	942073	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
62) 4-Bromofluorobenzene	12.40	95	333318	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.39	74	9516	2.969	ug/l	97
11) Tert butyl alcohol	4.75	59	240970	207.082	ug/l #	91
13) Acrolein	3.59	56	150	0.250	ug/l #	14
14) Allyl chloride	4.29	41	2285	0.240	ug/l #	44
15) Acrylonitrile	5.00	53	5886	2.033	ug/l #	34
16) Acetone	3.79	43	966386	304.357	ug/l	98
17) Carbon Disulfide	4.03	76	9033	0.628	ug/l #	92
18) Methyl Acetate	4.30	43	167141	22.177	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	514628	32.260	ug/l	100
20) Methylene Chloride	4.52	84	2089	0.378	ug/l	93
22) Diisopropyl ether	5.93	45	1617825	89.989	ug/l #	1
23) Vinyl Acetate	5.93	43	90785	6.516	ug/l #	79
24) 1,1-Dichloroethane	5.93	63	11946	1.190	ug/l #	85
25) 2-Butanone	6.81	43	342369	81.815	ug/l	98
29) Tetrahydrofuran	7.19	42	21001	7.898	ug/l	97
30) Chloroform	7.35	83	3888	0.404	ug/l	91
31) Cyclohexane	7.64	56	18510	1.947	ug/l #	20
36) 1,1-Dichloropropene	7.64	75	36250	5.025	ug/l #	50
37) Ethyl Acetate	6.81	43	342369	42.660	ug/l #	69
38) Carbon Tetrachloride	7.64	117	46462	6.471	ug/l #	17
39) Methylcyclohexane	9.07	83	7839	0.936	ug/l	97
40) Benzene	8.02	78	1569418	72.243	ug/l	100
41) Methacrylonitrile	7.19	41	13238	3.793	ug/l #	100
42) 1,2-Dichloroethane	8.02	62	12003	1.611	ug/l	80
43) Isopropyl Acetate	7.99	43	906200	70.827	ug/l #	55
45) 1,2-Dichloropropane	9.12	63	1197	0.203	ug/l #	44
48) Methyl methacrylate	9.15	41	106547	18.617	ug/l #	39
49) 1,4-Dioxane	9.18	88	12386	121.783	ug/l #	21
51) 4-Methyl-2-Pentanone	9.97	43	94205	13.013	ug/l	95
52) Toluene	10.15	92	1144600	87.906	ug/l	97
53) t-1,3-Dichloropropene	10.45	75	3467	0.409	ug/l	93
56) Ethyl methacrylate	10.35	69	13180	3.317	ug/l #	59
58) 2-Chloroethyl Vinyl ether	9.80	63	2052	0.700	ug/l #	87
59) 2-Hexanone	10.75	43	45085	8.114	ug/l	87

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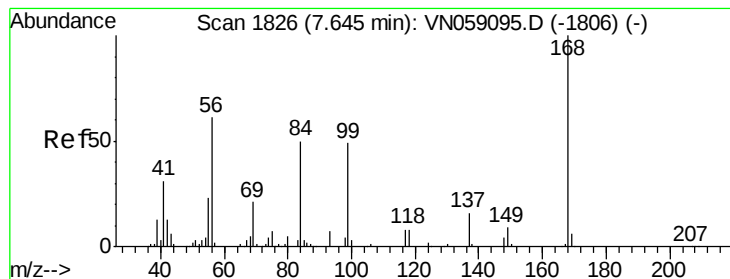
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:48:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
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 Response via : Initial Calibration

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

67) Ethyl Benzene	11.51	91	1339661	56.950	ug/l	99
68) m/p-Xylenes	11.62	106	2323114	263.643	ug/l	86
69) o-Xylene	11.95	106	1081443	126.996	ug/l	95
70) Styrene	11.94	104	53657	4.006	ug/l #	1
71) Bromoform	12.41	173	1401	0.362	ug/l #	1
73) Isopropylbenzene	12.25	105	37748	1.521	ug/l	99
74) N-amyl acetate	12.13	43	11620	1.105	ug/l #	22
75) 1,1,2,2-Tetrachloroethane	12.55	83	88952	10.526	ug/l #	25
76) 1,2,3-Trichloropropane	12.40	75	161112	20.744	ug/l #	100
78) n-propylbenzene	12.59	91	31423	1.106	ug/l	97
79) 2-Chlorotoluene	12.65	91	27981	1.587	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	93615	4.452	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	7803	2.654	ug/l #	36
82) 4-Chlorotoluene	12.73	91	7277	0.412	ug/l #	43
84) 1,2,4-Trimethylbenzene	13.04	105	340659	16.745	ug/l	97
85) sec-Butylbenzene	13.17	105	12802	0.542	ug/l	83
86) p-Isopropyltoluene	13.29	119	14683	0.704	ug/l #	76
89) n-Butylbenzene	13.58	91	22056	1.208	ug/l #	1
90) Hexachloroethane	13.89	117	34565	8.255	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.25	75	3524	2.115	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	4907	3.770	ug/l #	71
94) Hexachlorobutadiene	15.01	225	918	0.254	ug/l	90
95) Naphthalene	15.13	128	193510	13.325	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	6136	1.043	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

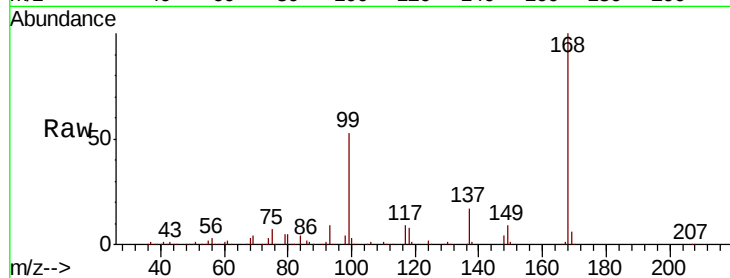
ClientSampled :

Tot Ion:168 Resp: 496712

Ion Ratio Lower Upper

168 100

99 53.3 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059095.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN059095.D (-1806) (-)

7.65

250000

200000

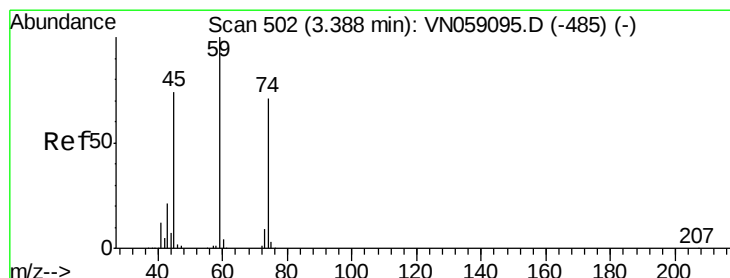
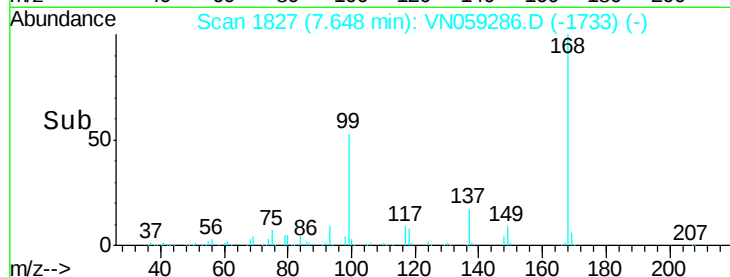
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 2.969 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059286.D

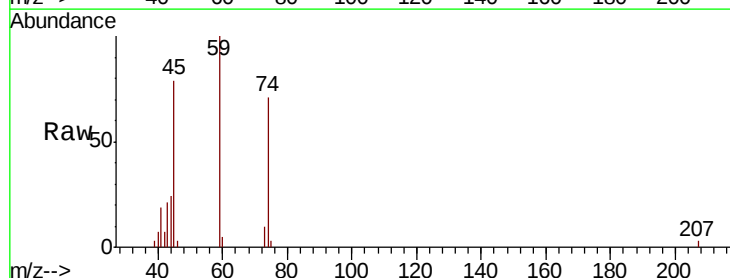
Acq: 18 Nov 2019 16:06

Tgt Ion: 74 Resp: 9516

Ion Ratio Lower Upper

74 100

45 106.4 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VN059095.D (-485) (-)

Ion 45.00 (44.70 to 45.70): VN059095.D (-485) (-)

3.39

5000

4000

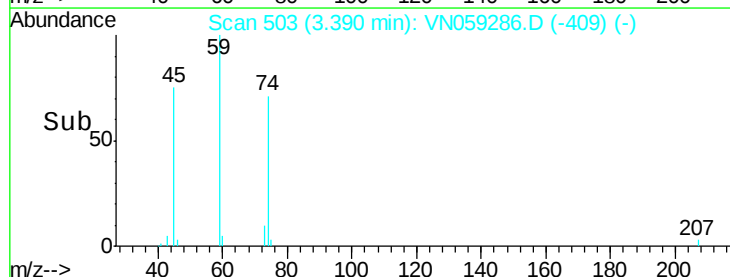
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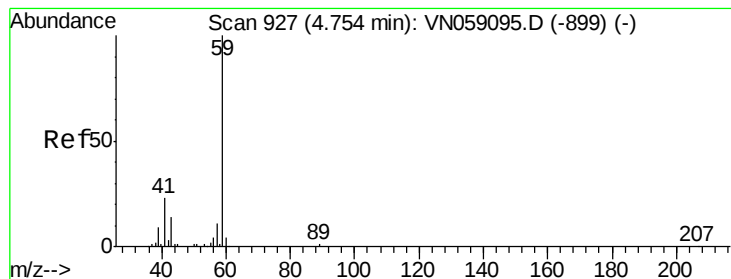
2000

1000

0

Time--> 3.35 3.40 3.45



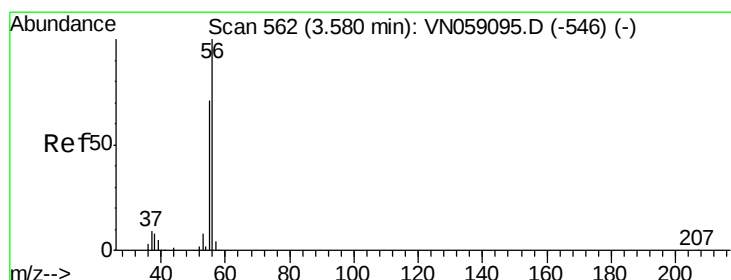
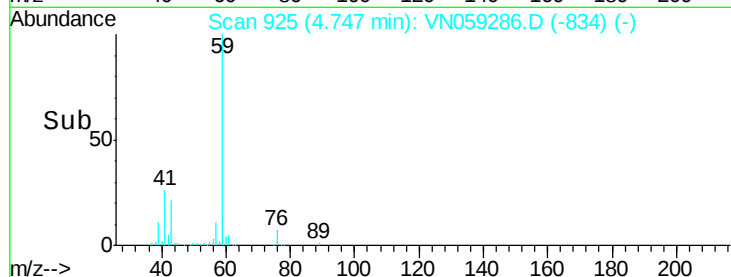
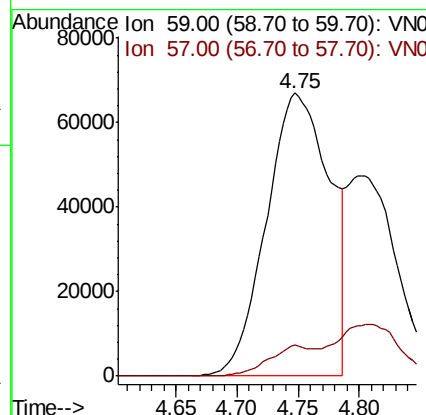
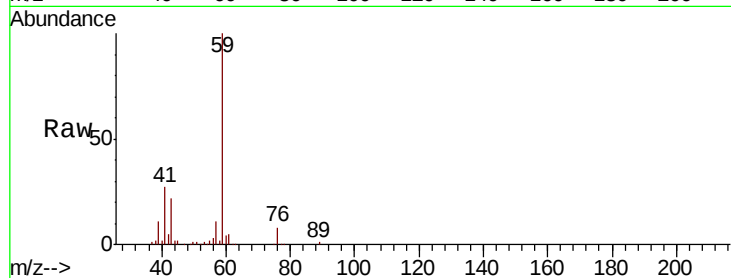


#11

Tert butyl alcohol
 Concen: 207.082 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

Instrument :
 MSVOA_N
 ClientSampled :

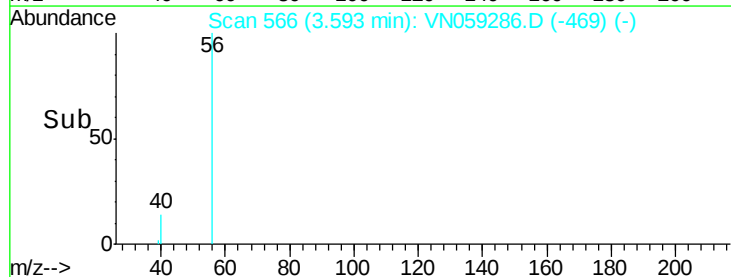
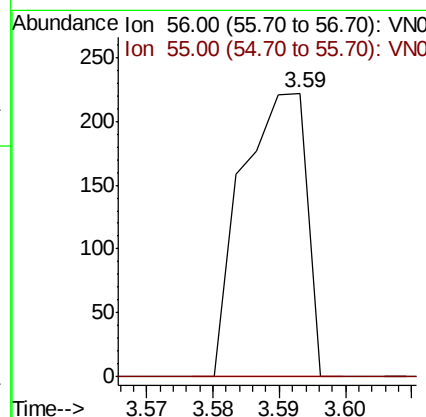
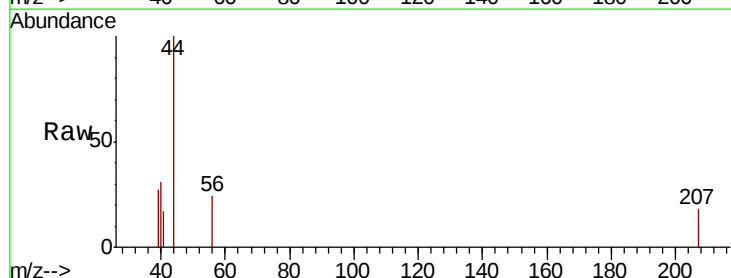
Tot Ion: 59 Resp: 240970
 Ion Ratio Lower Upper
 59 100
 57 6.9 8.3 12.5#

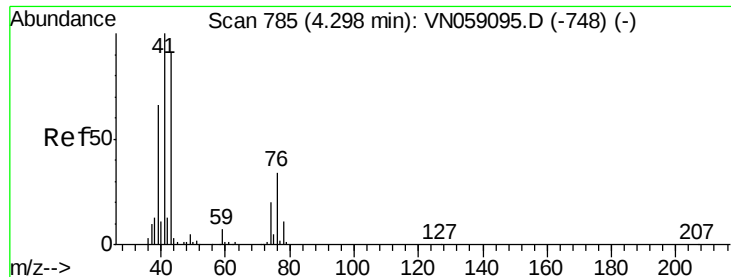


#13

Acrolein
 Concen: 0.250 ug/l
 RT: 3.59 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

Tgt Ion: 56 Resp: 150
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.4 84.6#

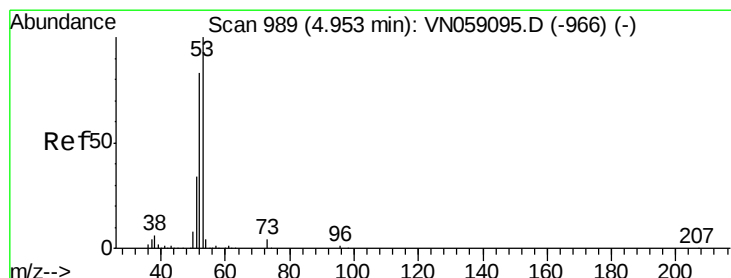
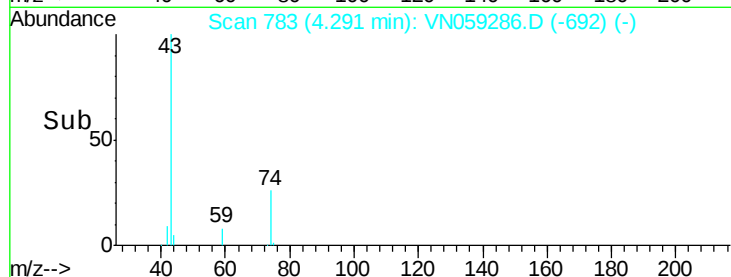
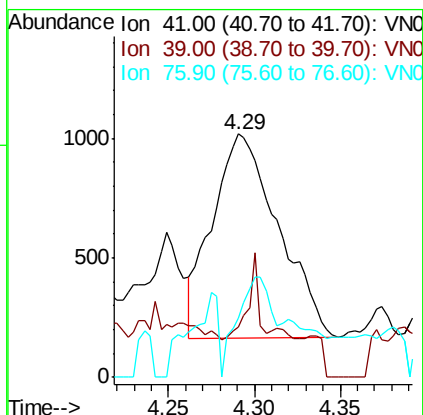
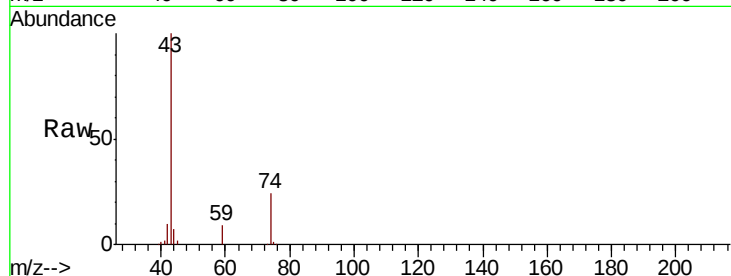




#14
Allvl chloride
Concen: 0.240 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

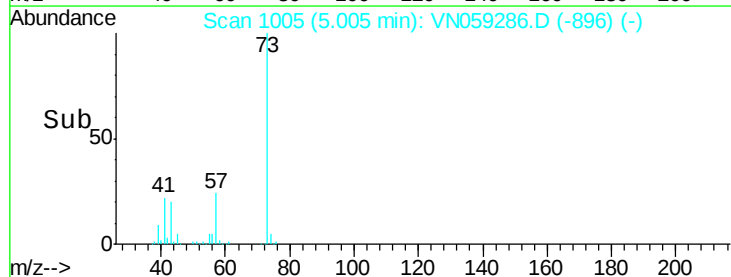
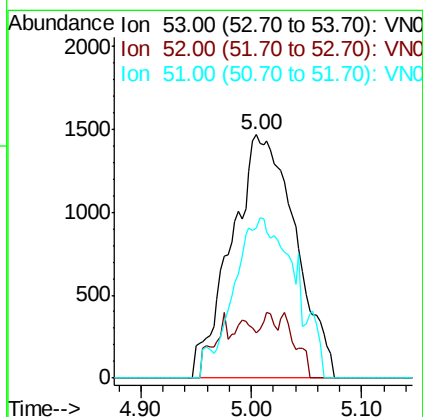
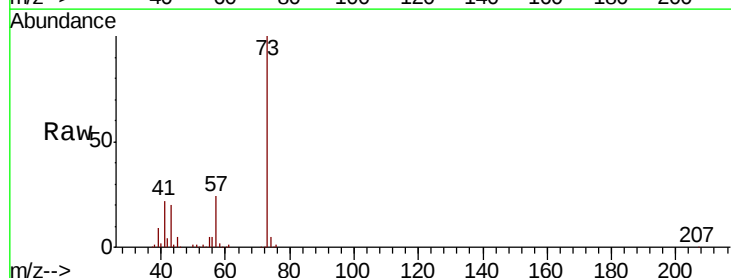
Instrument :
MSVOA_N
ClientSampled :

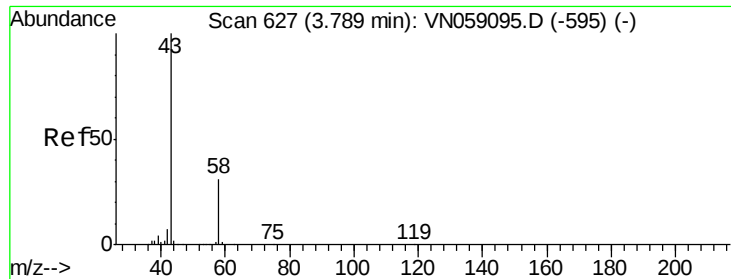
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.1	73.7#
76	27.2	24.9	37.3



#15
Acrylonitrile
Concen: 2.033 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.05 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
53	100		
52	5.7	65.0	97.6#
51	48.5	28.0	42.0#





#16

Acetone

Concen: 304.357 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

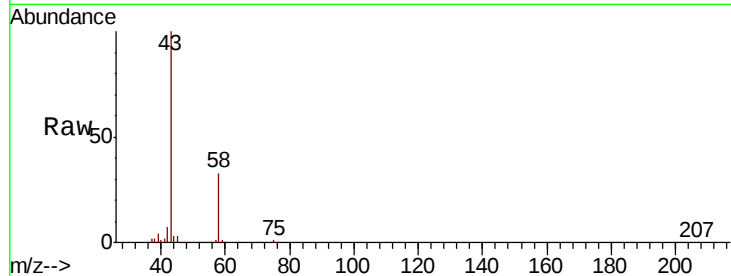
ClientSampled :

Tot Ion: 43 Resp: 966386

Ion Ratio Lower Upper

43 100

58 32.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

400000

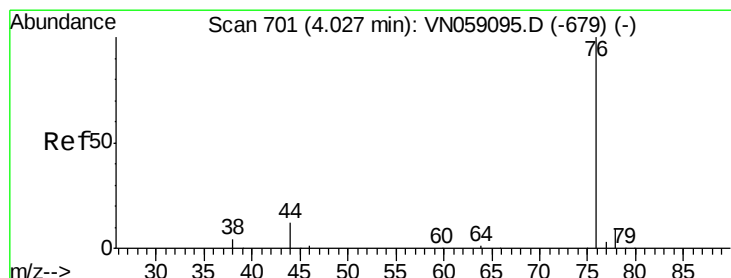
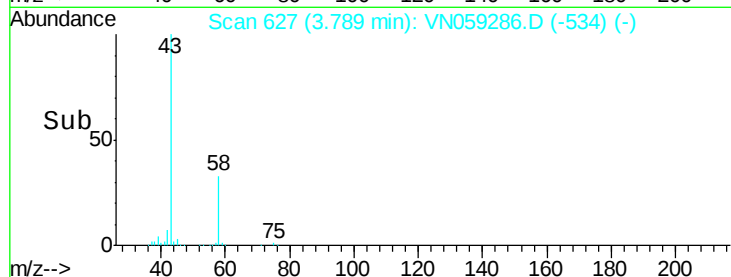
300000

200000

100000

0

Time-->



#17

Carbon Disulfide

Concen: 0.628 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059286.D

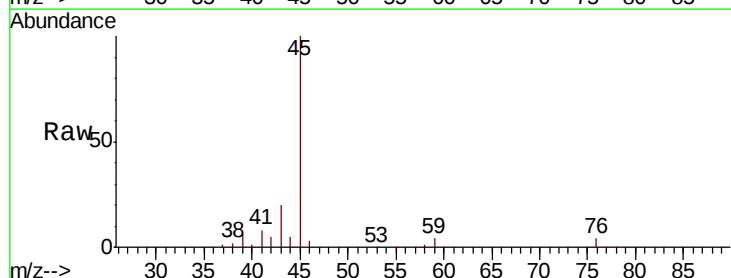
Acq: 18 Nov 2019 16:06

Tgt Ion: 76 Resp: 9033

Ion Ratio Lower Upper

76 100

78 6.4 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

4000

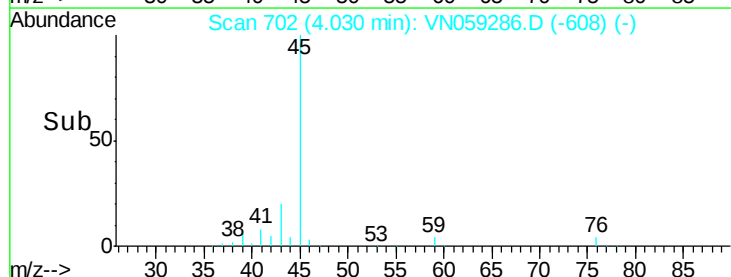
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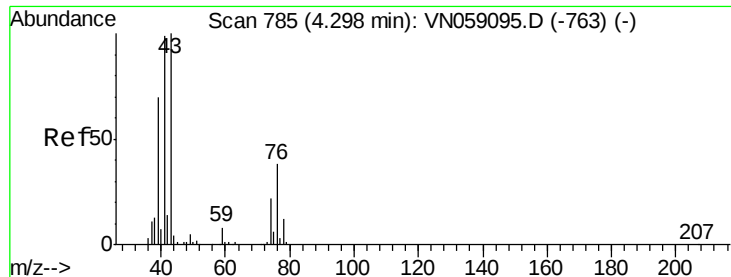
2000

1000

0

Time-->

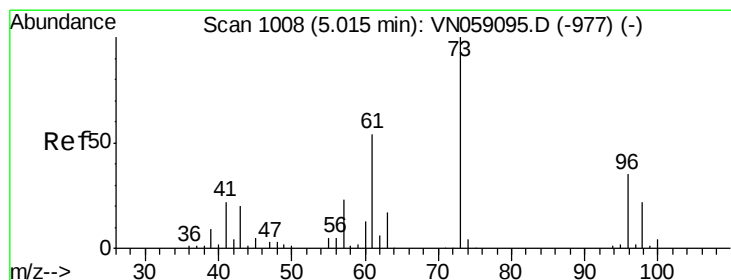
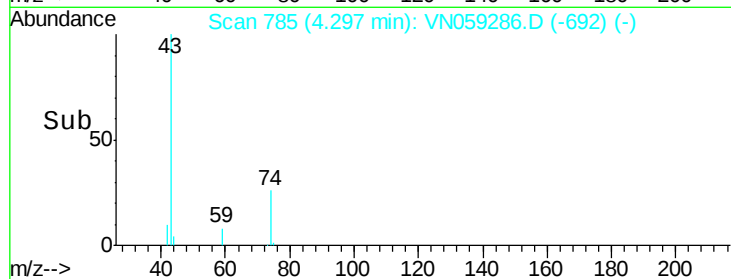
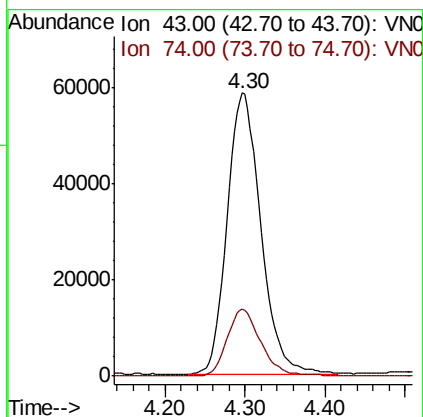
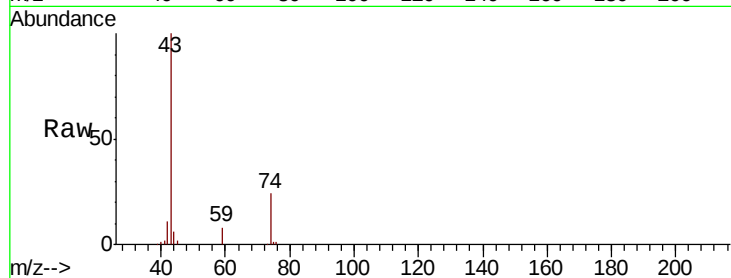




#18
Methyl Acetate
Concen: 22.177 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

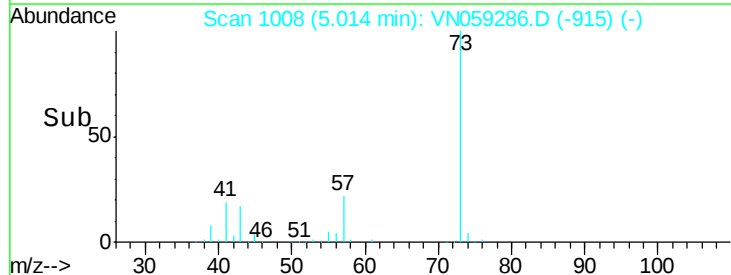
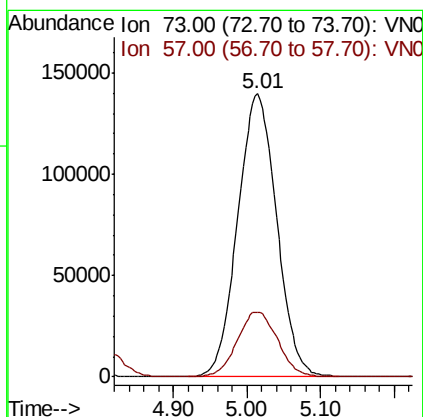
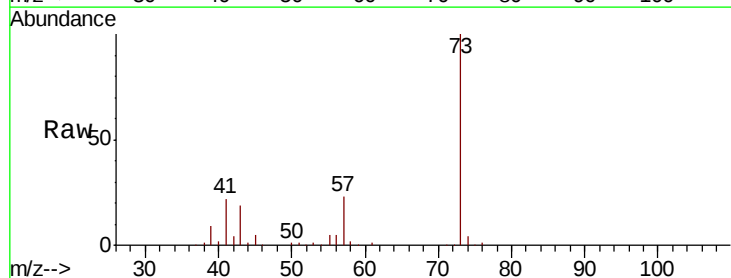
Instrument :
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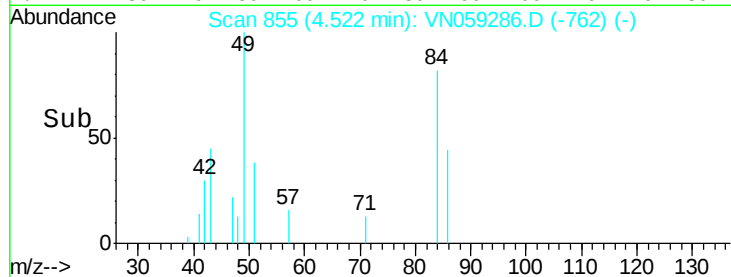
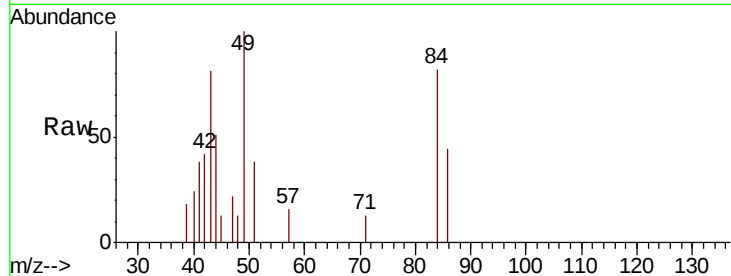
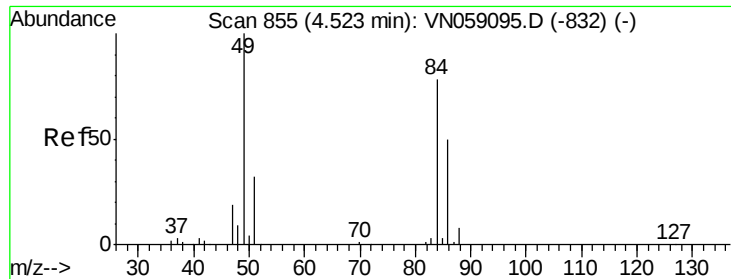
Tot Ion: 43 Resp: 167141
Ion Ratio Lower Upper
43 100
74 23.6 17.8 26.8



#19
Methyl tert-butyl Ether
Concen: 32.260 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 73 Resp: 514628
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

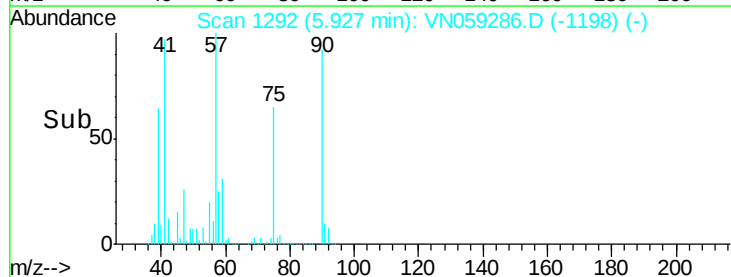
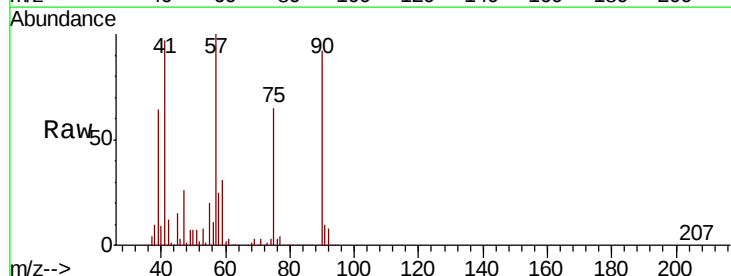
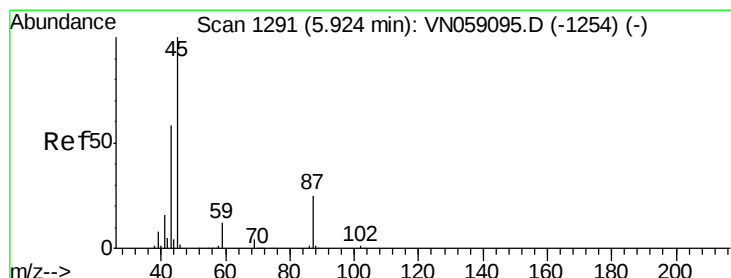
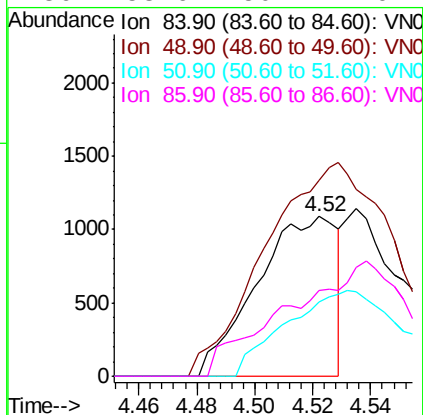




#20
Methvlene Chloride
Concen: 0.378 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

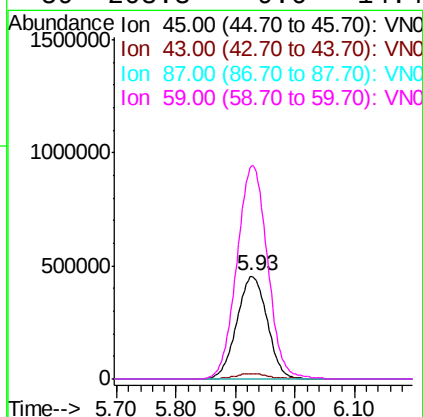
Instrument :
MSVOA_N
ClientSampleId :

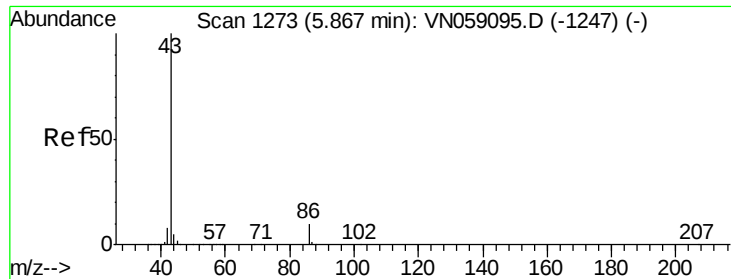
Tot Ion:	84	Resp:	2089
Ion	Ratio	Lower	Upper
84	100		
49	122.7	102.0	153.0
51	46.3	32.2	48.2
86	53.6	50.7	76.1



#22
Diisopropyl ether
Concen: 89.989 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion:	45	Resp:	1617825
Ion	Ratio	Lower	Upper
45	100		
43	5.4	46.7	70.1#
87	0.4	20.5	30.7#
59	208.3	9.6	14.4#





#23

Vinyl Acetate

Concen: 6.516 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.06 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

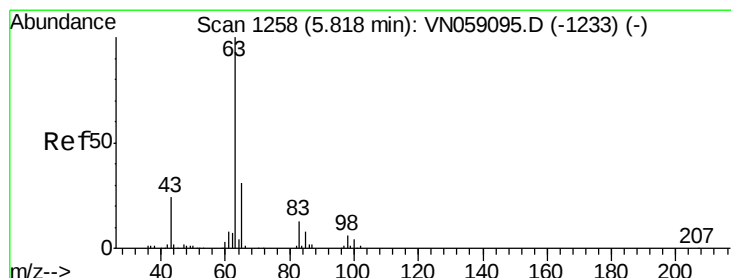
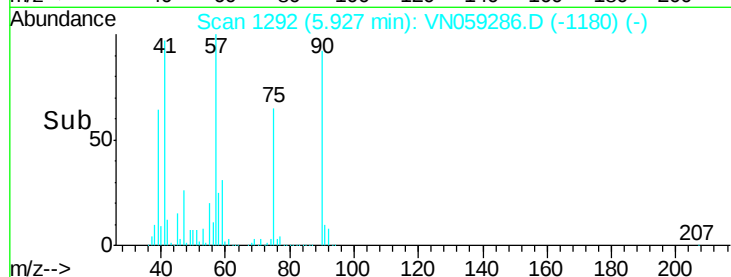
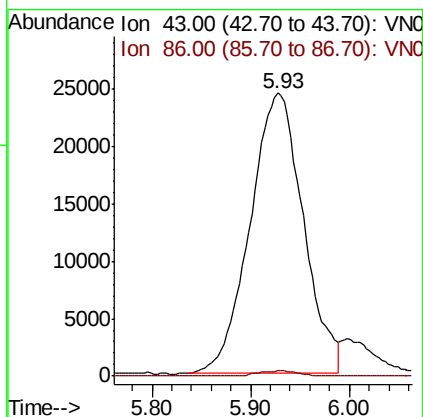
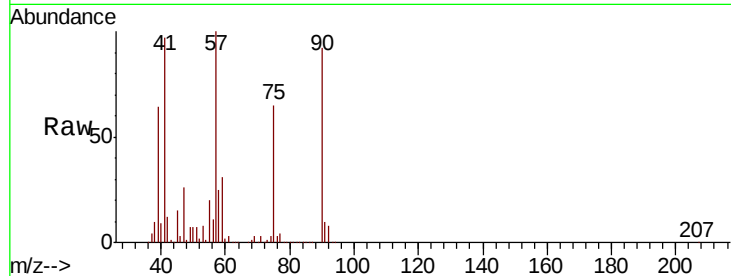
ClientSampled :

Tot Ion: 43 Resp: 90785

Ion Ratio Lower Upper

43 100

86 2.0 7.7 11.5#



#24

1,1-Dichloroethane

Concen: 1.190 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.11 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

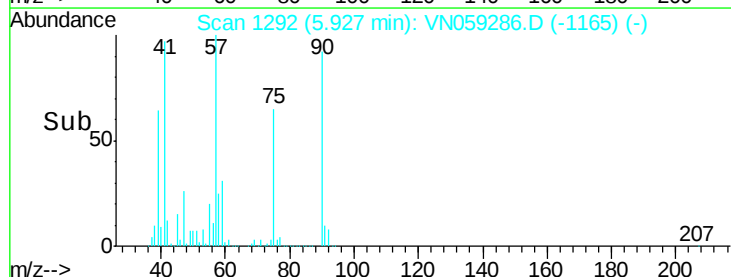
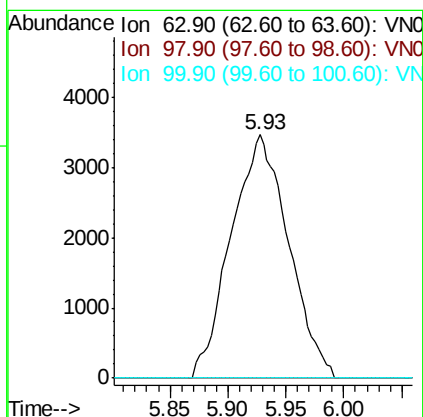
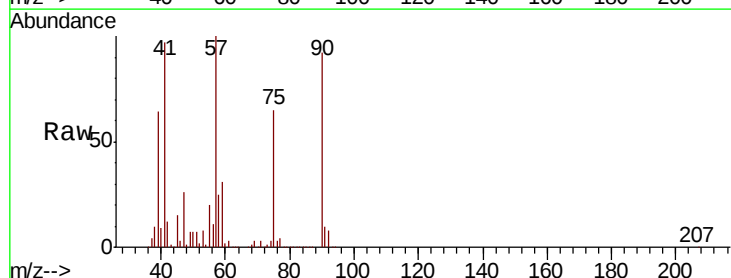
Tgt Ion: 63 Resp: 11946

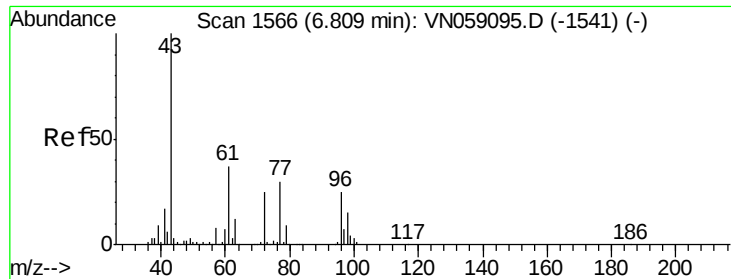
Ion Ratio Lower Upper

63 100

98 0.0 2.8 8.4#

100 0.0 1.9 5.7#





#25

2-Butanone

Concen: 81.815 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

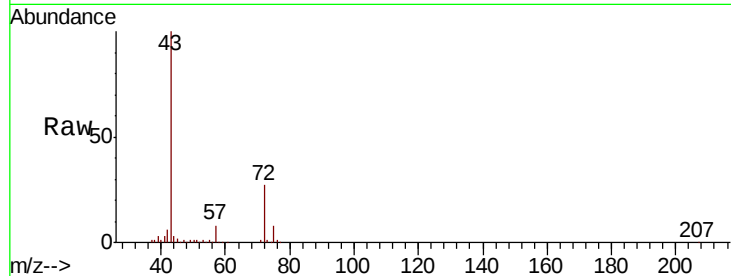
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 342369

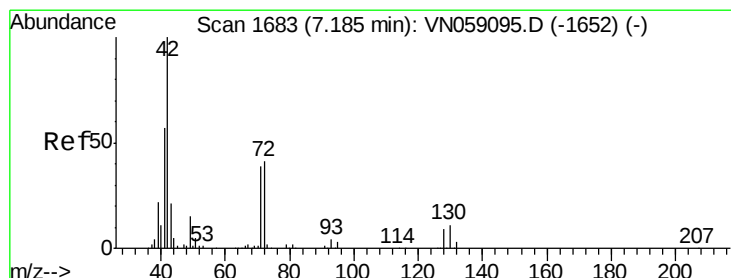
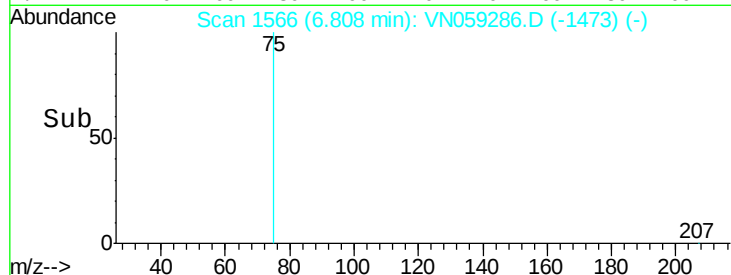
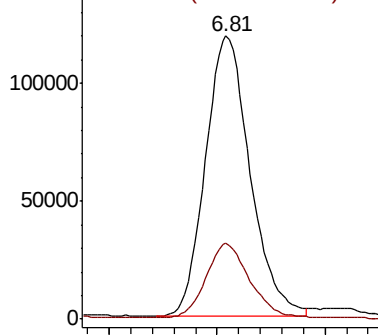
Ion Ratio Lower Upper

43 100

72 26.4 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC



#29

Tetrahydrofuran

Concen: 7.898 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

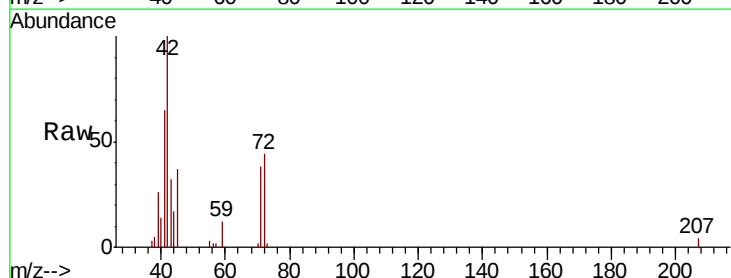
Tgt Ion: 42 Resp: 21001

Ion Ratio Lower Upper

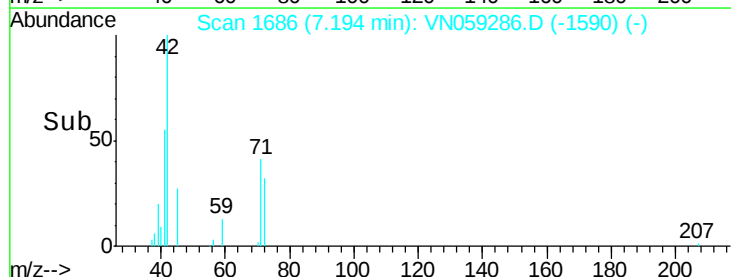
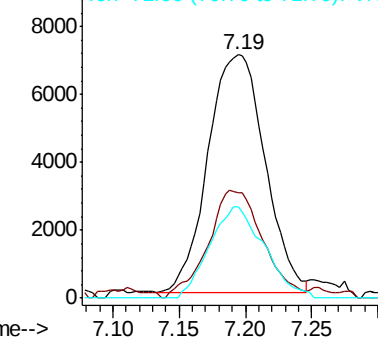
42 100

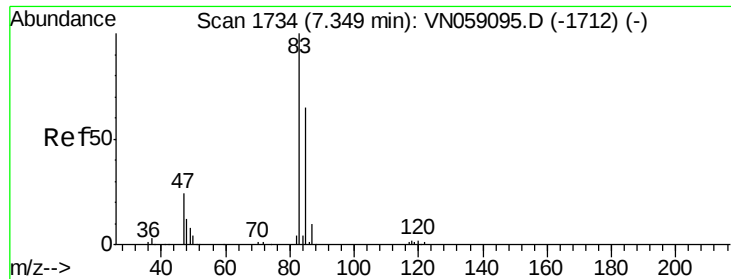
72 43.7 33.1 49.7

71 36.9 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

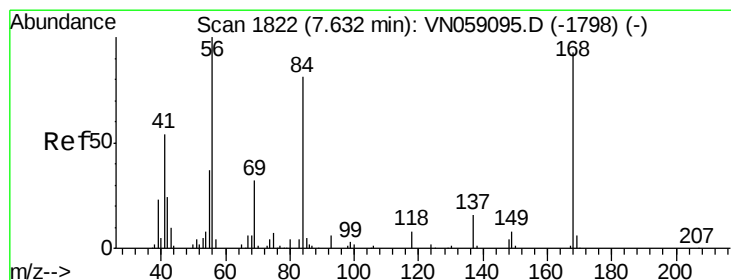
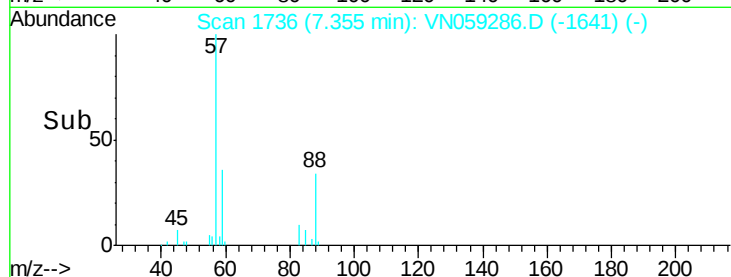
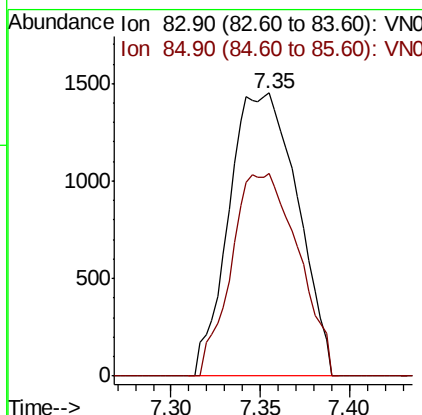
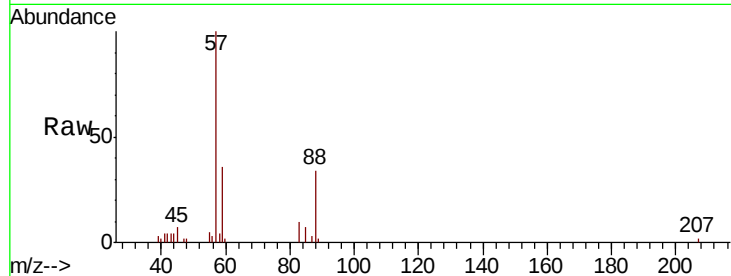




#30
Chloroform
Concen: 0.404 ug/l
RT: 7.35 min Scan# 1736
Delta R.T. 0.01 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

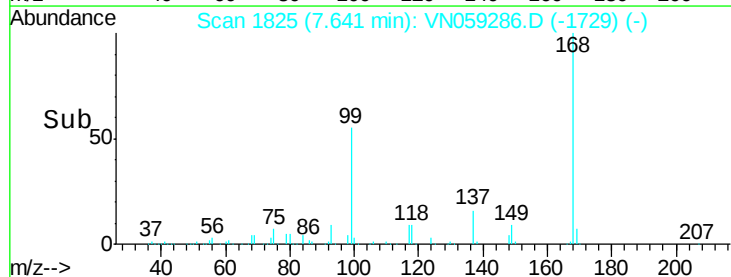
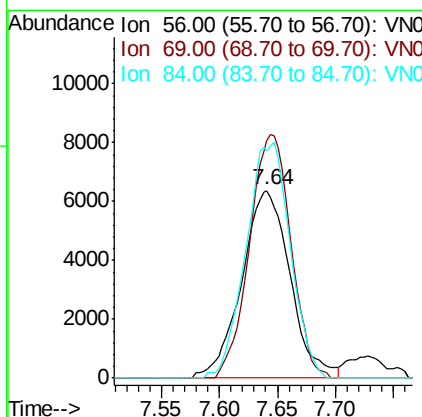
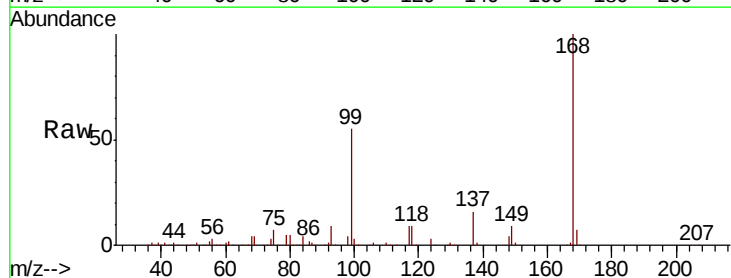
Instrument :
MSVOA_N
ClientSampleId :

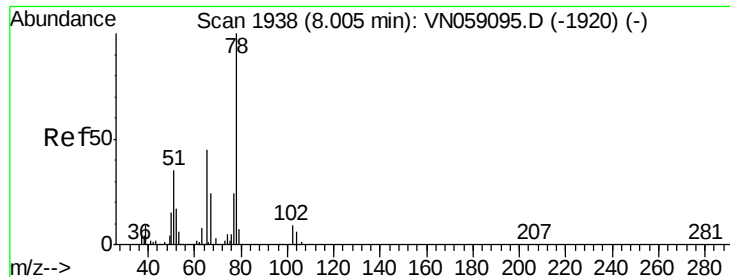
Tot Ion: 83 Resp: 3888
Ion Ratio Lower Upper
83 100
85 71.7 51.8 77.8



#31
Cyclohexane
Concen: 1.947 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 56 Resp: 18510
Ion Ratio Lower Upper
56 100
69 126.2 25.8 38.8#
84 120.8 65.0 97.4#

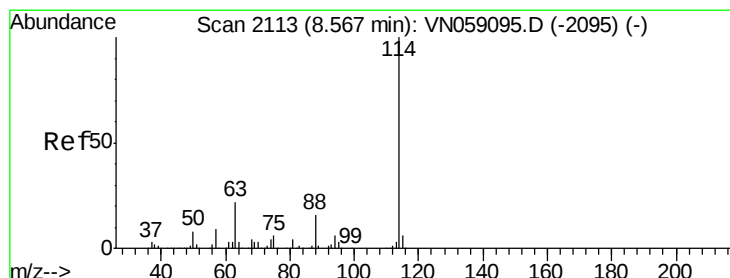
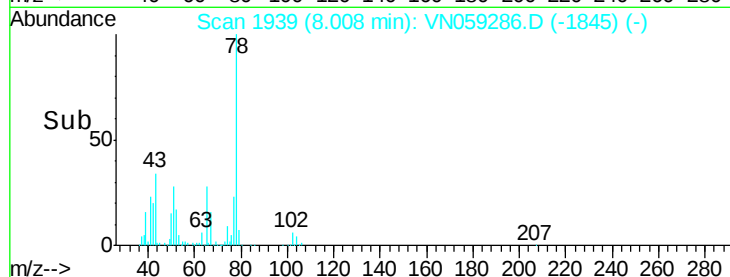
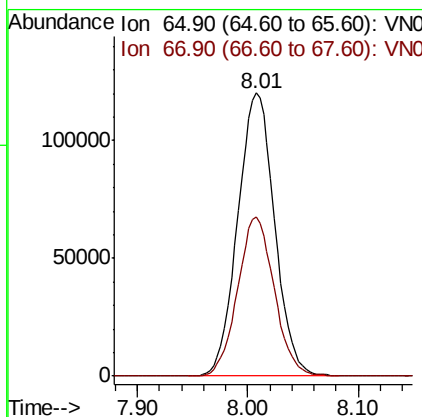
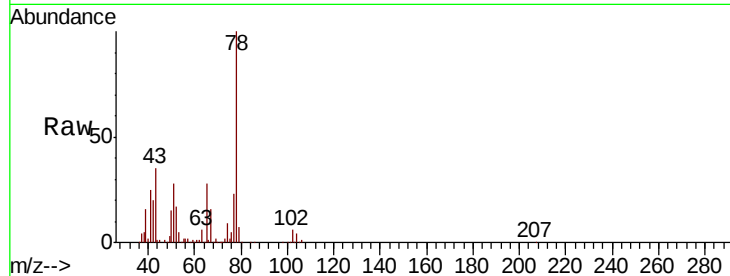




#33
 1,2-Dichloroethane-d4
 Concen: 45.686 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

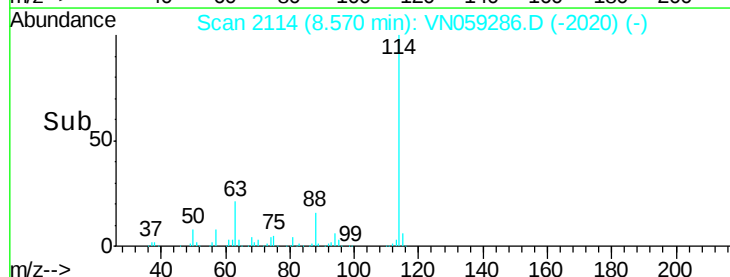
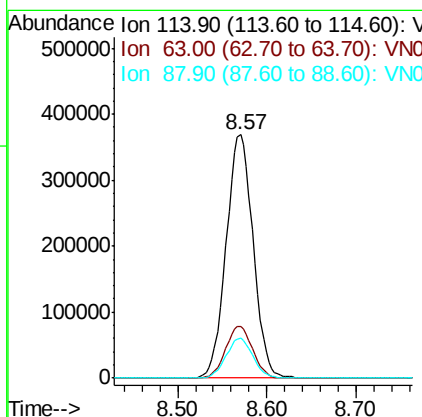
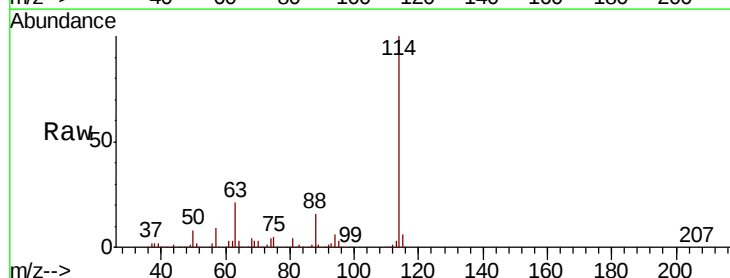
Instrument :
 MSVOA_N
 ClientSampled :

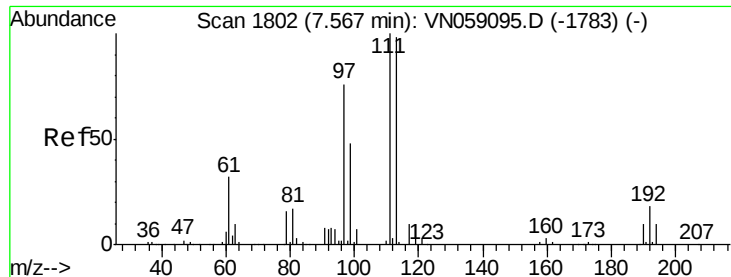
Tot Ion: 65 Resp: 278955
 Ion Ratio Lower Upper
 65 100
 67 55.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

Tgt Ion: 114 Resp: 771799
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.4
 88 16.2 0.0 32.2

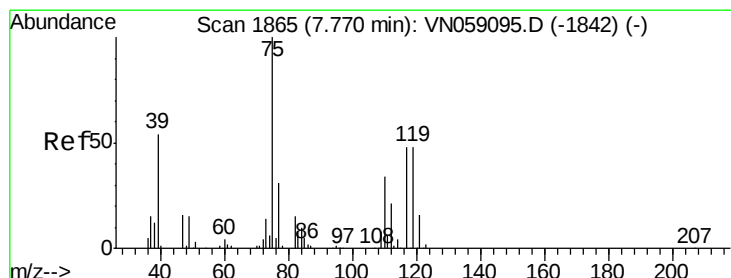
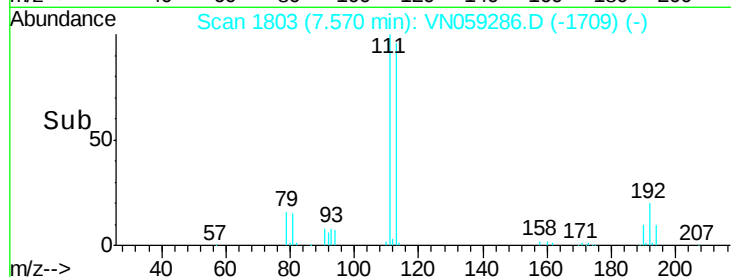
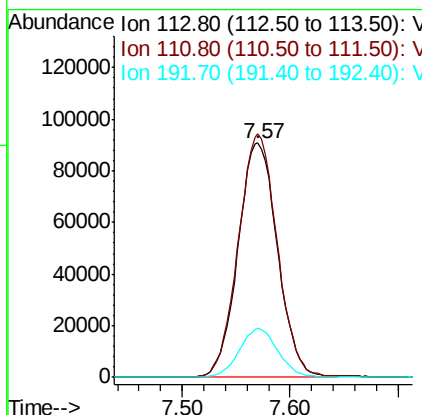
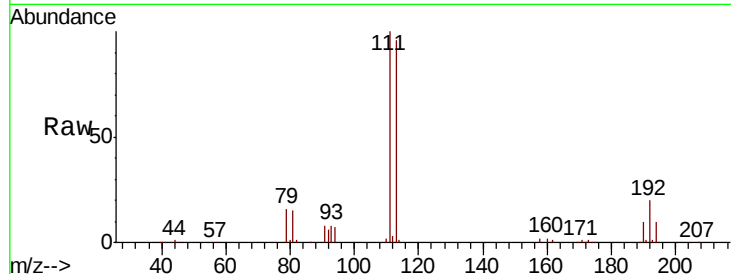




#35
 Dibromofluoromethane
 Concen: 50.219 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

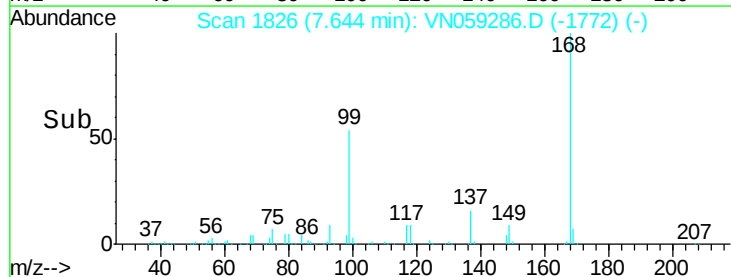
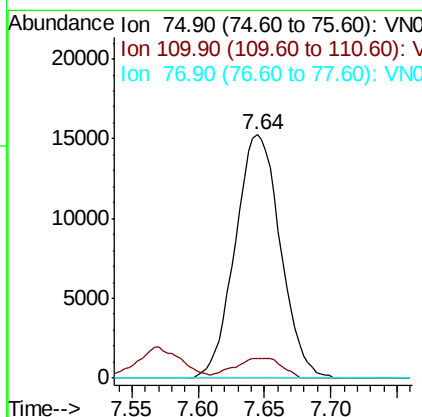
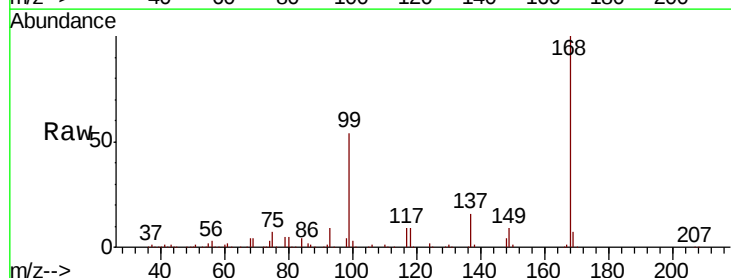
Instrument :
 MSVOA_N
 ClientSampleId :

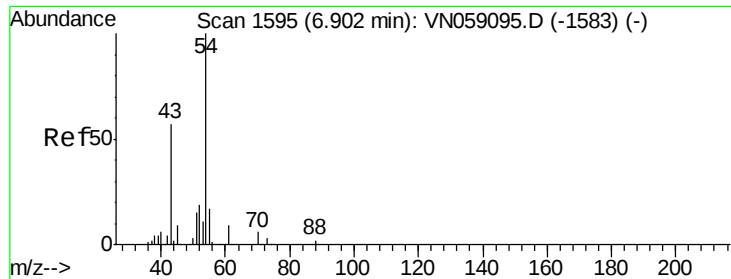
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.8	124.2
192	20.5	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.1	51.2#
77	0.0	24.8	37.2#





#37

Ethyl Acetate

Concen: 42.660 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.09 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

ClientSampleId :

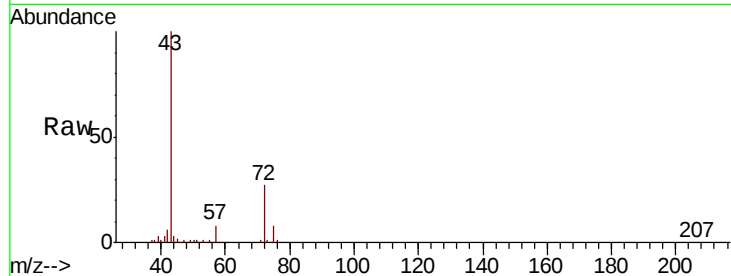
Tot Ion: 43 Resp: 342369

Ion Ratio Lower Upper

43 100

61 0.0 11.2 16.8#

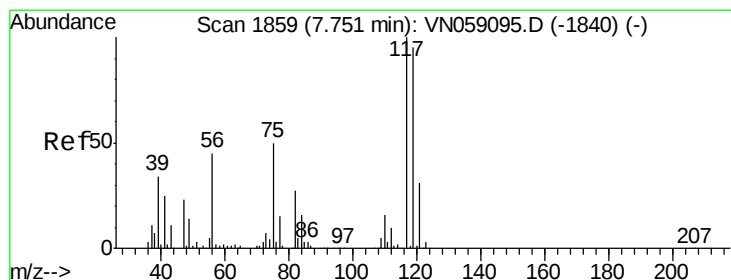
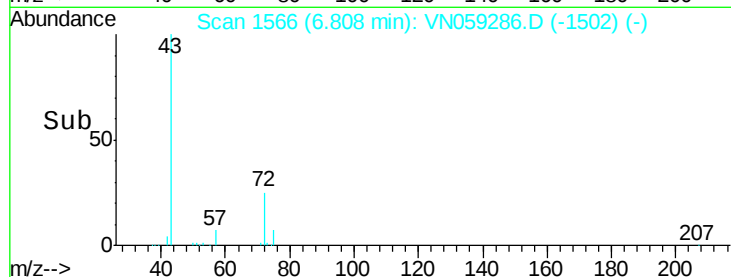
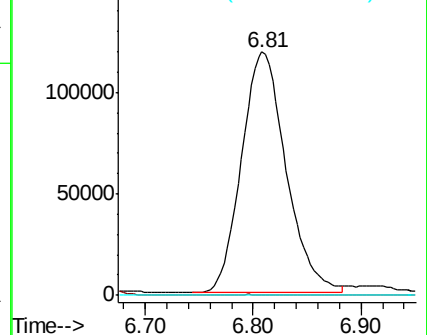
70 0.0 7.8 11.8#



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1583) (-)

Ion 60.90 (60.60 to 61.60): VN059095.D (-1583) (-)

Ion 70.00 (69.70 to 70.70): VN059095.D (-1583) (-)



#38

Carbon Tetrachloride

Concen: 6.471 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

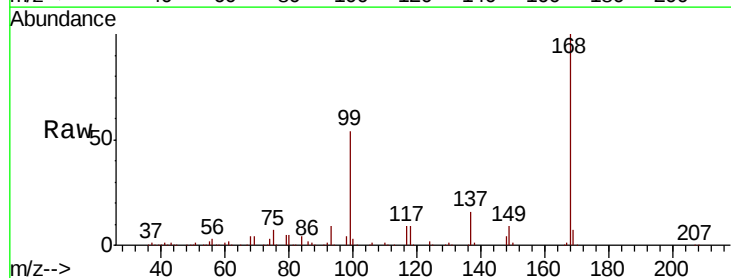
Tgt Ion: 117 Resp: 46462

Ion Ratio Lower Upper

117 100

119 5.4 75.6 113.4#

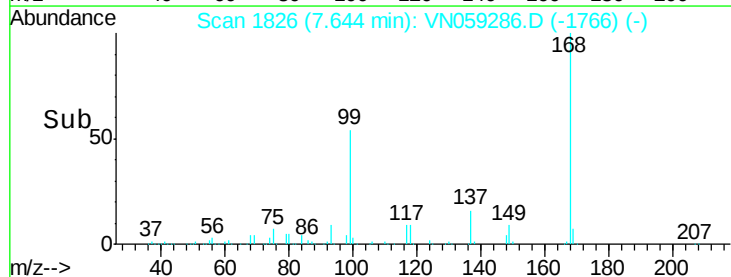
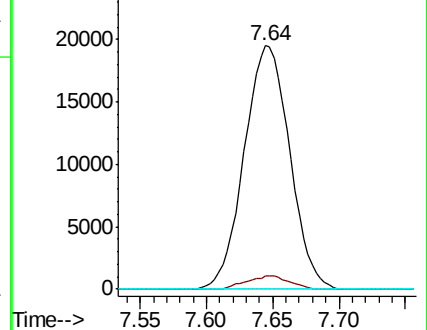
121 0.0 24.6 36.8#

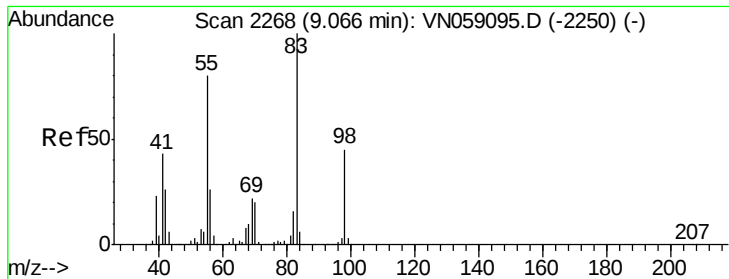


Abundance Ion 116.80 (116.50 to 117.50): VN059095.D (-1840) (-)

Ion 118.80 (118.50 to 119.50): VN059095.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN059095.D (-1840) (-)

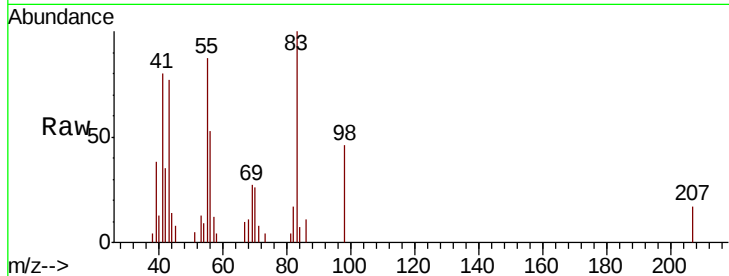




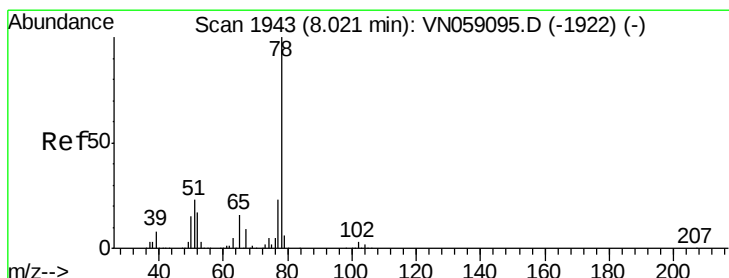
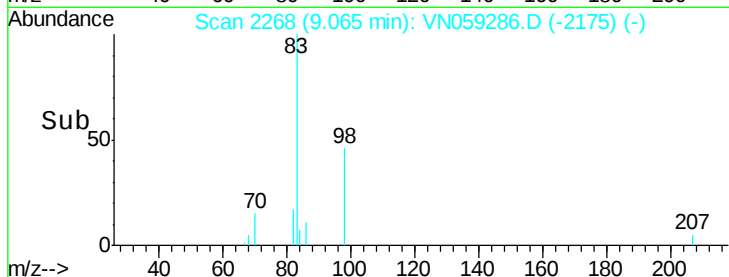
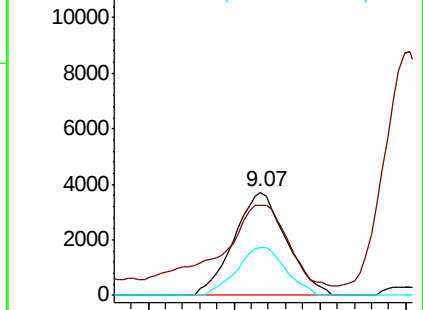
#39
Methvlcvclohexane
Concen: 0.936 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 7839
Ion Ratio Lower Upper
83 100
55 77.5 63.9 95.9
98 46.2 35.6 53.4

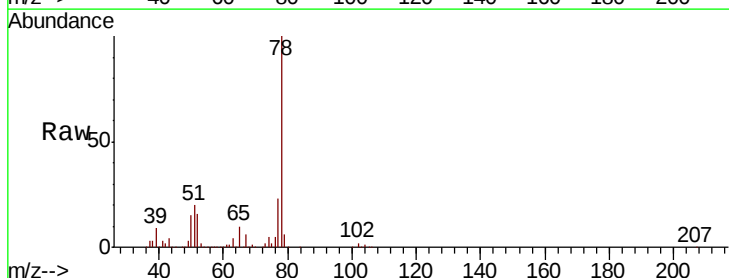


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

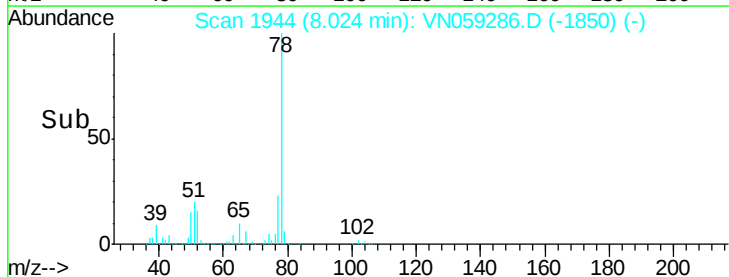
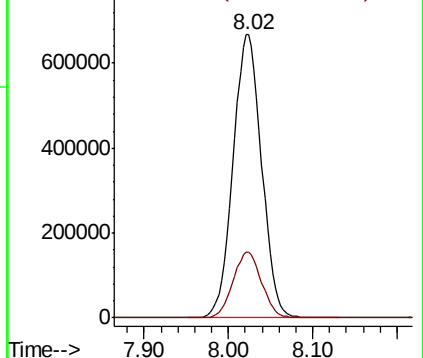


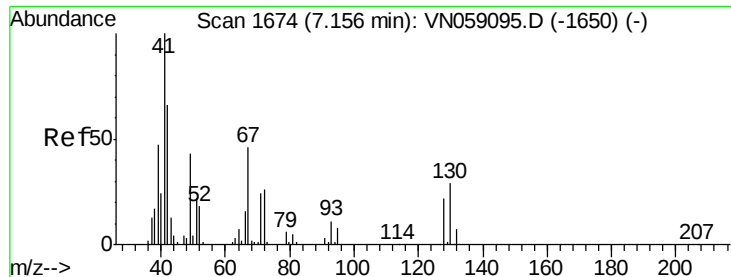
#40
Benzene
Concen: 72.243 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 78 Resp: 1569418
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

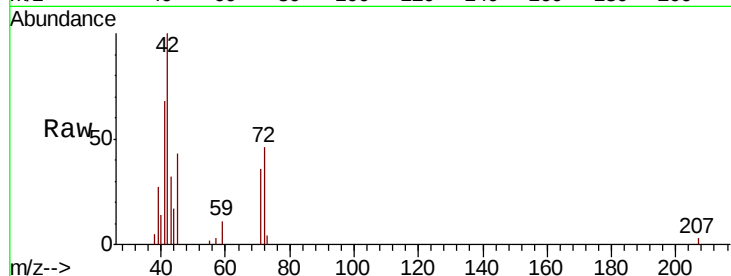




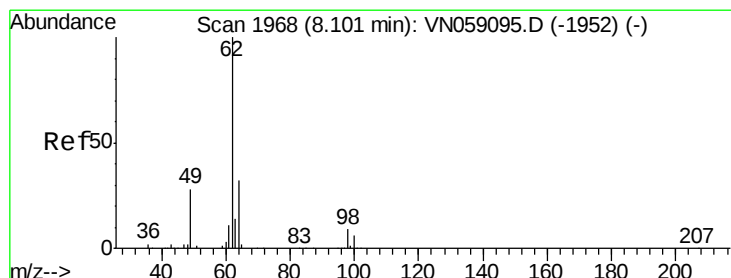
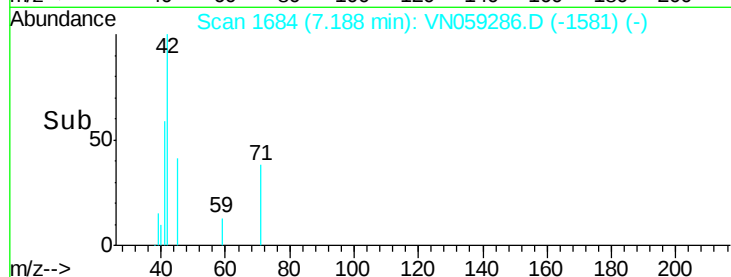
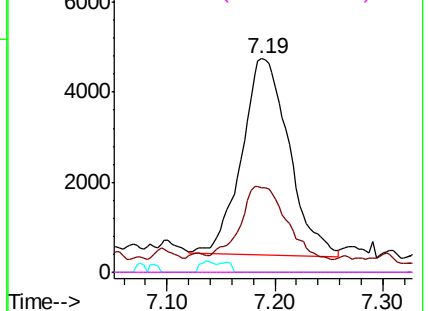
#41
Methacrylonitrile
Concen: 3.793 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 13238
Ion Ratio Lower Upper
41 100
39 36.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

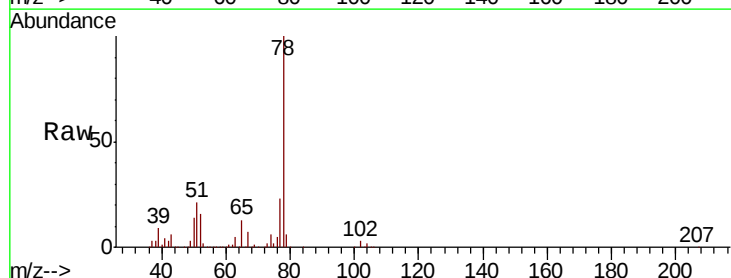


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

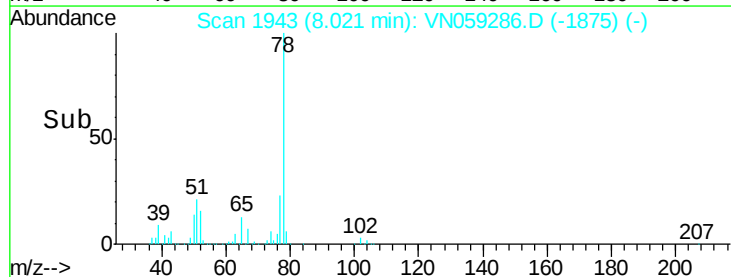
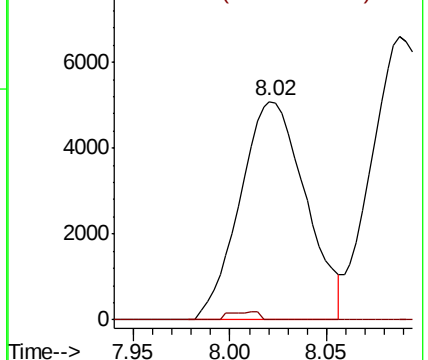


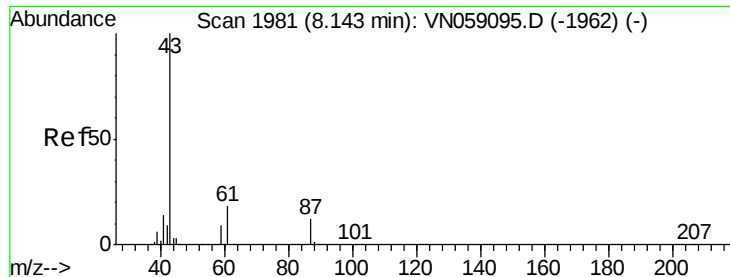
#42
1,2-Dichloroethane
Concen: 1.611 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.08 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 62 Resp: 12003
Ion Ratio Lower Upper
62 100
98 1.6 0.0 17.8



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

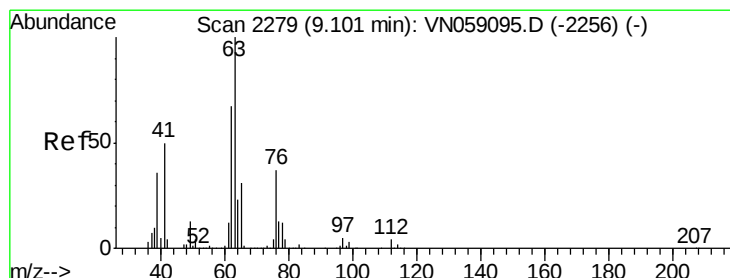
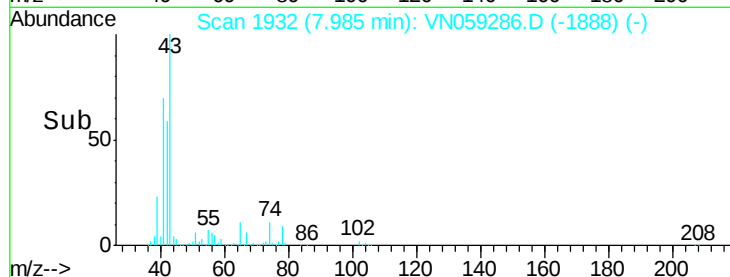
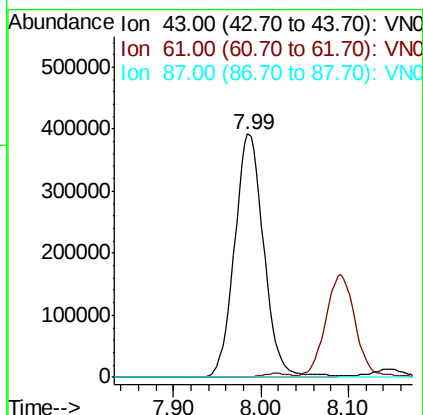
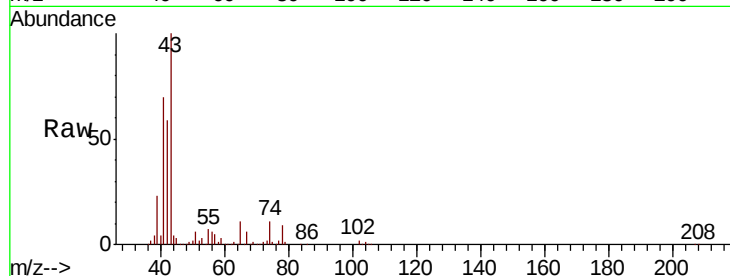




#43
Isopropyl Acetate
Concen: 70.827 ug/l
RT: 7.99 min Scan# 1932
Delta R.T. -0.16 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

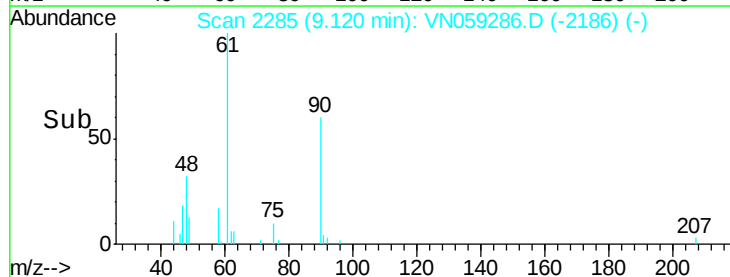
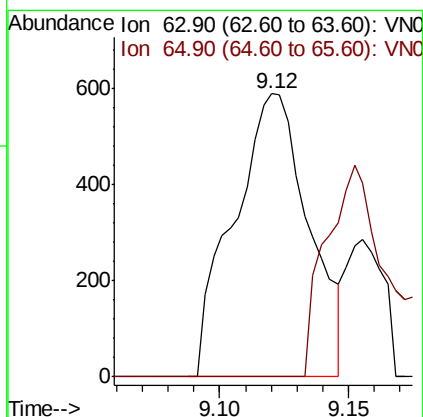
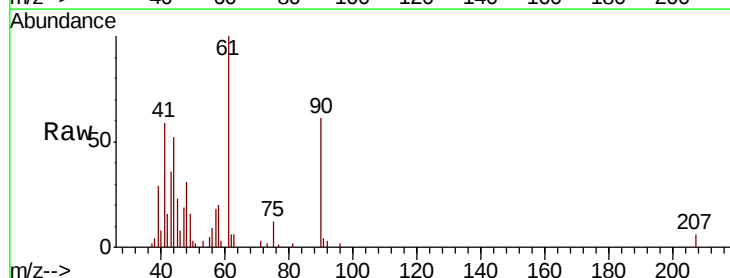
Instrument :
MSVOA_N
ClientSampled :

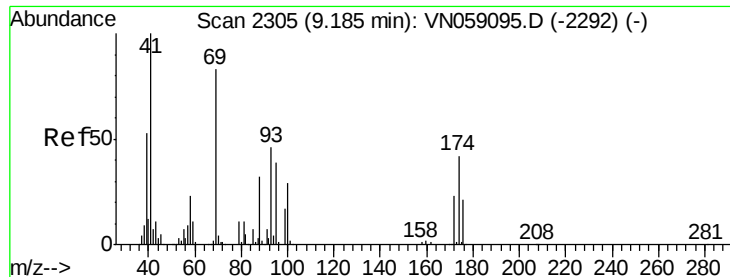
Tot Ion: 43 Resp: 906200
Ion Ratio Lower Upper
43 100
61 0.0 21.0 31.6#
87 0.0 9.8 14.6#



#45
1,2-Dichloropropane
Concen: 0.203 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. 0.02 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 63 Resp: 1197
Ion Ratio Lower Upper
63 100
65 0.0 24.6 37.0#

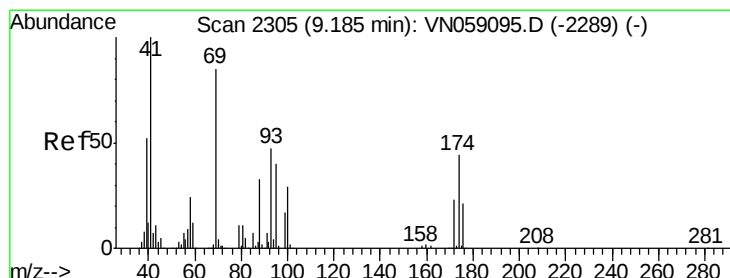
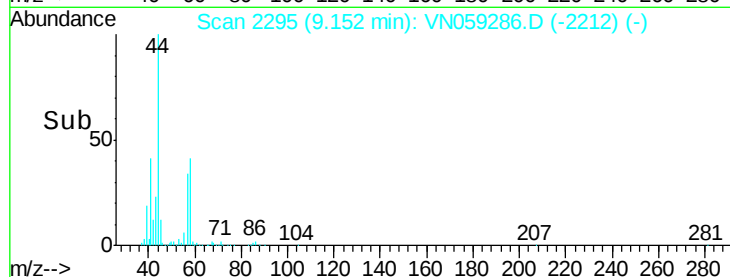
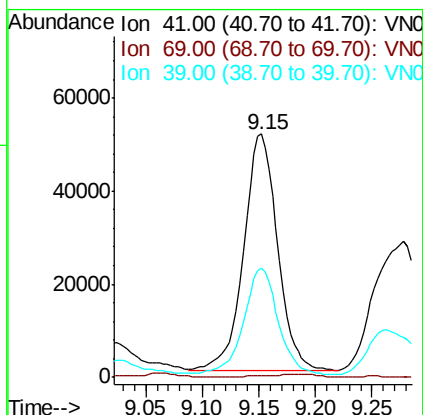
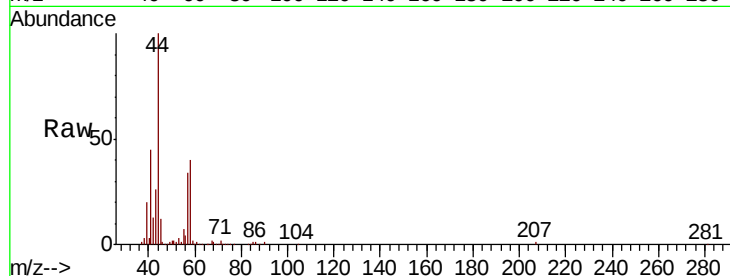




#48
Methvl methacrylate
Concen: 18.617 ug/l
RT: 9.15 min Scan# 2295
Delta R.T. -0.03 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

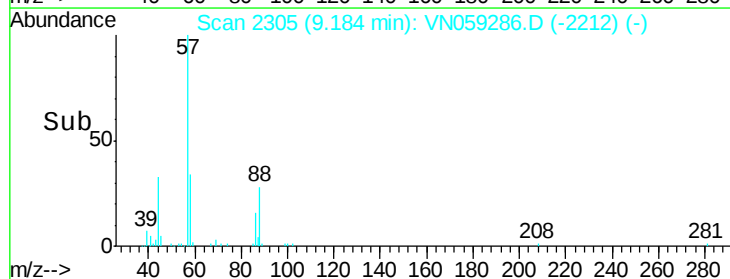
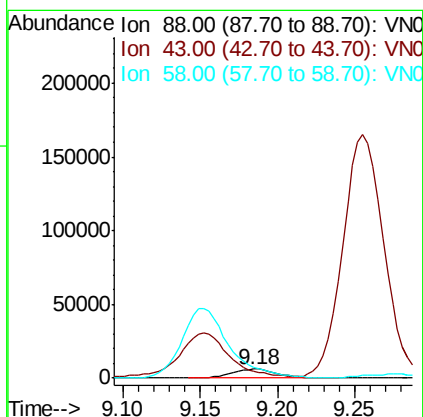
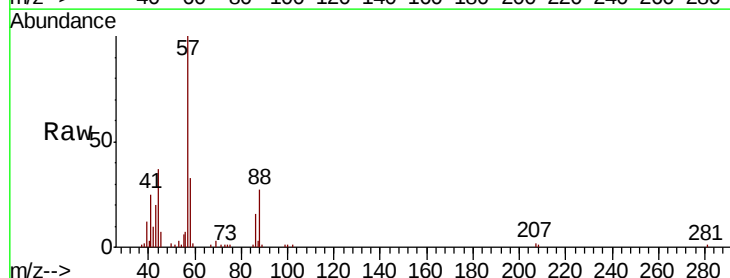
Instrument :
MSVOA_N
ClientSampleId :

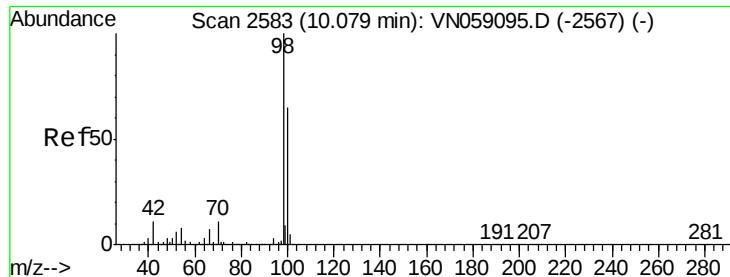
Tot Ion: 41 Resp: 106547
Ion Ratio Lower Upper
41 100
69 0.6 67.3 100.9#
39 45.6 43.3 64.9



#49
1,4-Dioxane
Concen: 121.783 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 88 Resp: 12386
Ion Ratio Lower Upper
88 100
43 0.0 26.3 39.5#
58 0.0 60.6 90.8#





#50

Toluene-d8

Concen: 51.899 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

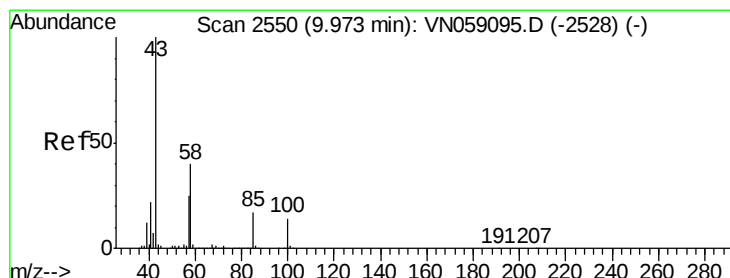
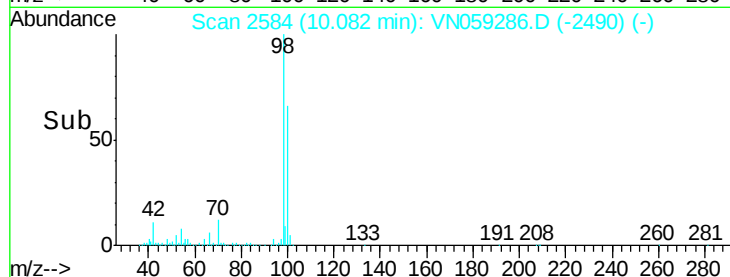
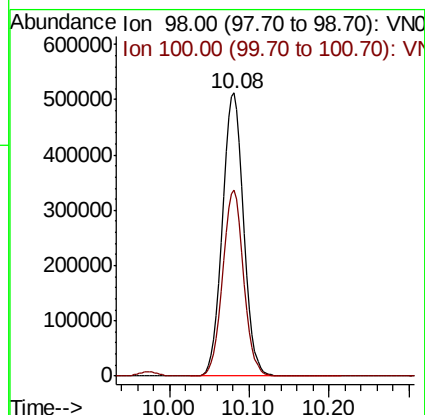
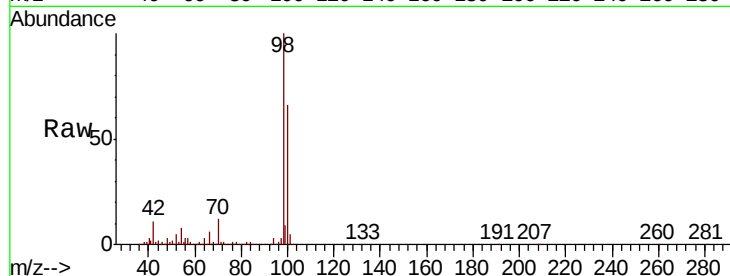
ClientSampled :

Tot Ion: 98 Resp: 942073

Ion Ratio Lower Upper

98 100

100 65.0 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 13.013 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059286.D

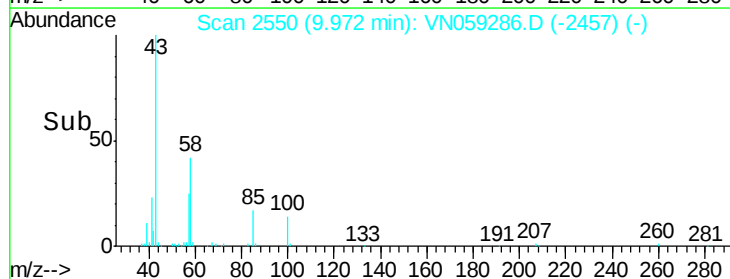
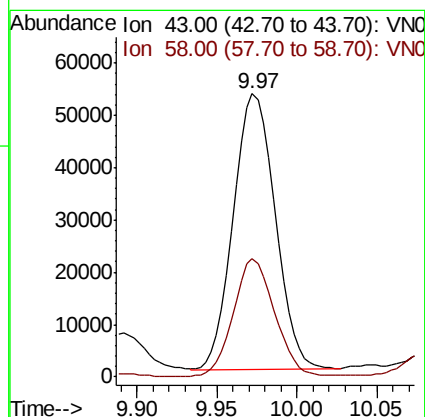
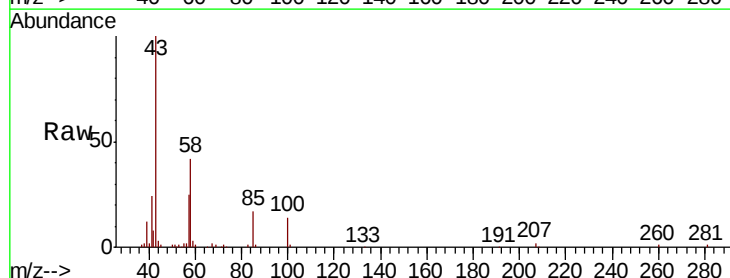
Acq: 18 Nov 2019 16:06

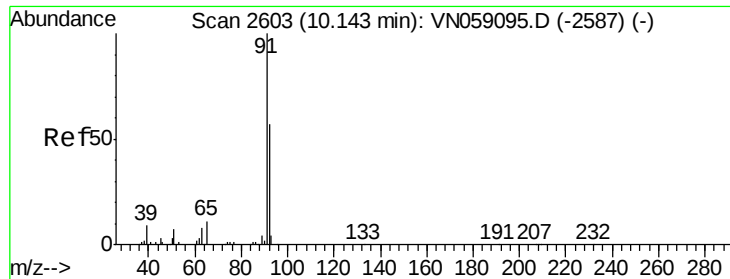
Tgt Ion: 43 Resp: 94205

Ion Ratio Lower Upper

43 100

58 42.3 31.5 47.3





#52

Toluene

Concen: 87.906 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

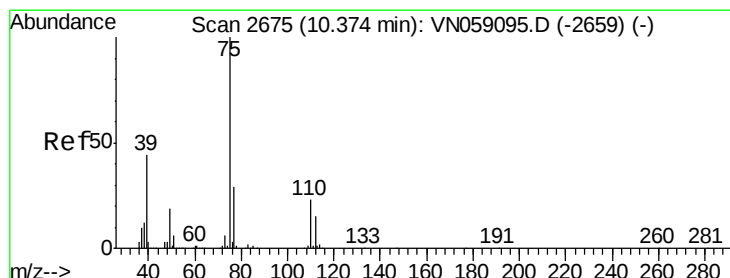
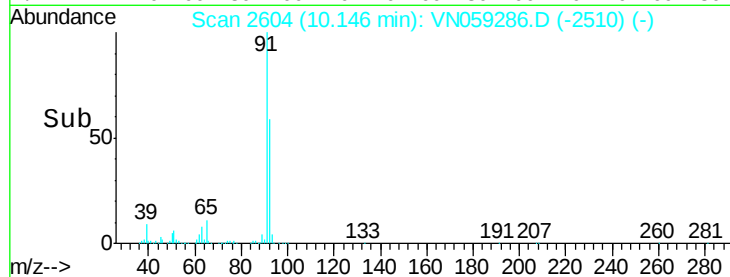
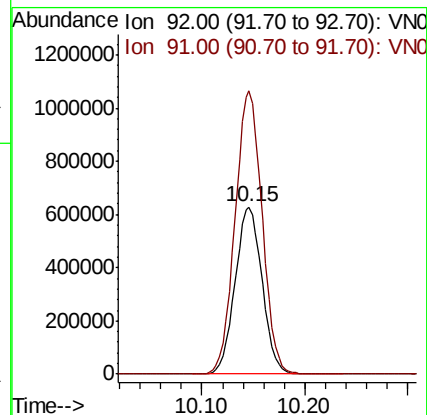
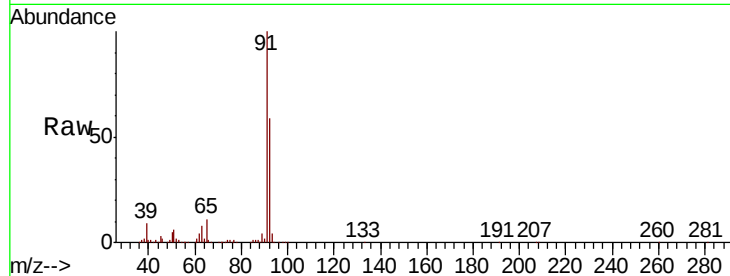
ClientSampled :

Tot Ion: 92 Resp: 1144600

Ion Ratio Lower Upper

92 100

91 170.1 139.5 209.3



#53

t-1,3-Dichloropropene

Concen: 0.409 ug/l

RT: 10.45 min Scan# 2699

Delta R.T. 0.08 min

Lab File: VN059286.D

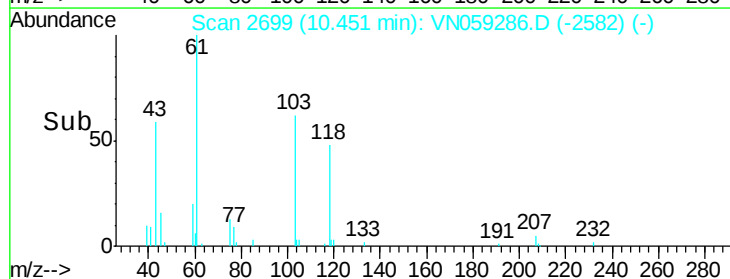
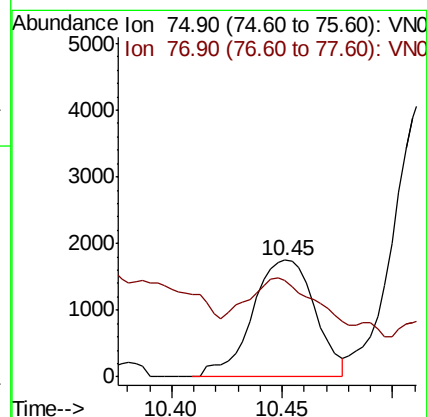
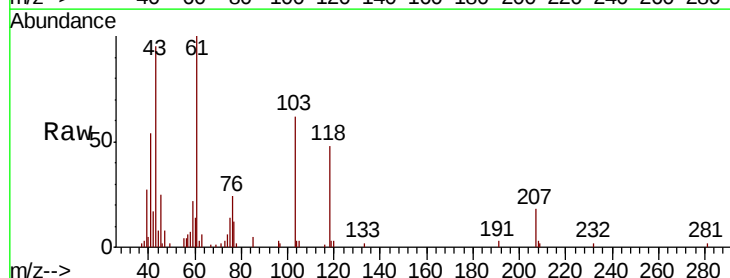
Acq: 18 Nov 2019 16:06

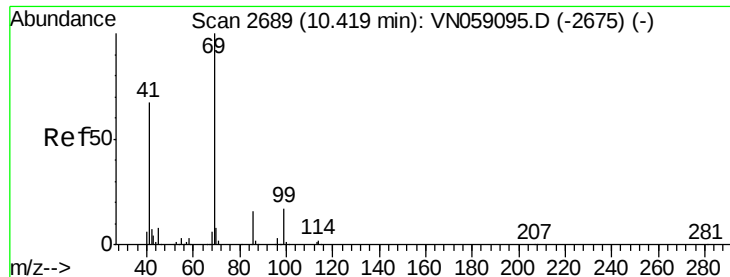
Tgt Ion: 75 Resp: 3467

Ion Ratio Lower Upper

75 100

77 35.5 25.3 37.9





#56

Ethyl methacrylate

Concen: 3.317 ug/l

RT: 10.35 min Scan# 2667

Delta R.T. -0.07 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

ClientSampled :

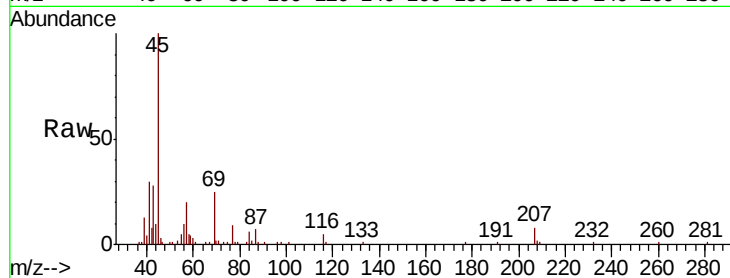
Tot Ion: 69 Resp: 13180

Ion Ratio Lower Upper

69 100

41 110.0 53.6 80.4#

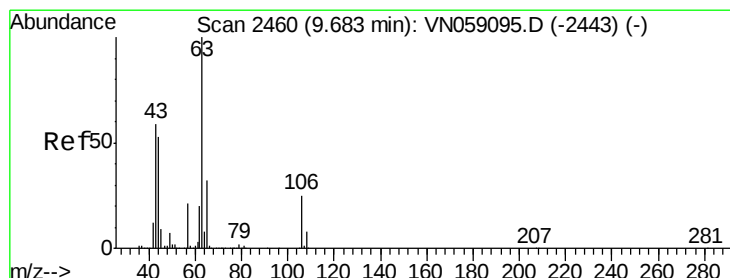
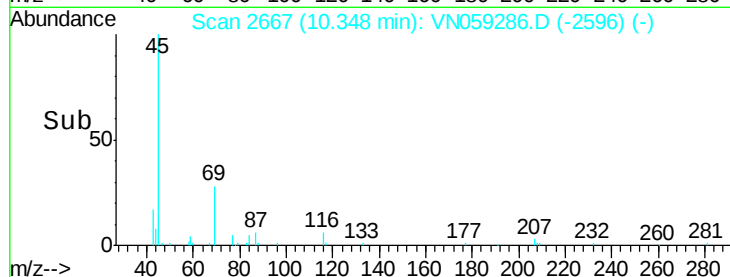
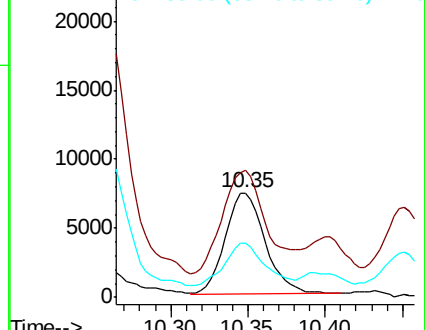
39 41.8 26.2 39.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 0.700 ug/l

RT: 9.80 min Scan# 2496

Delta R.T. 0.12 min

Lab File: VN059286.D

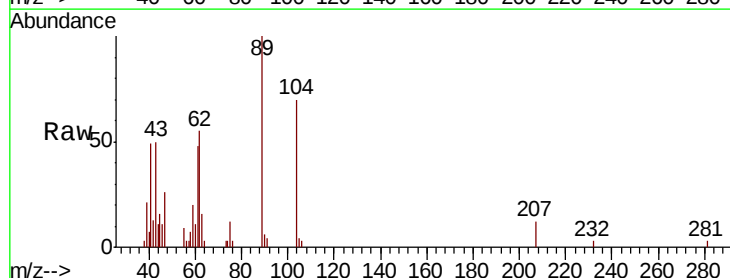
Acq: 18 Nov 2019 16:06

Tgt Ion: 63 Resp: 2052

Ion Ratio Lower Upper

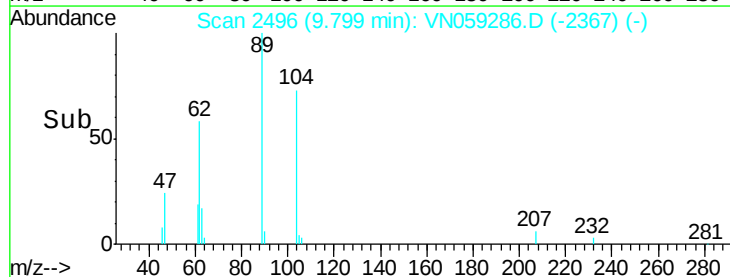
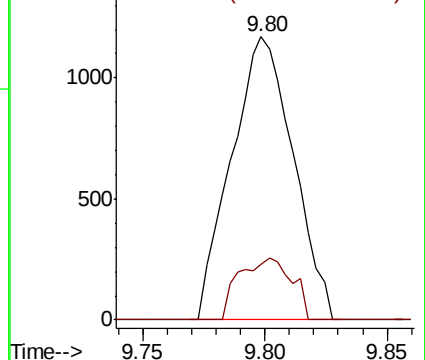
63 100

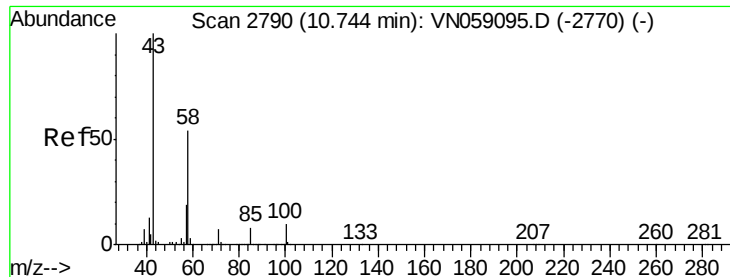
106 18.8 20.2 30.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

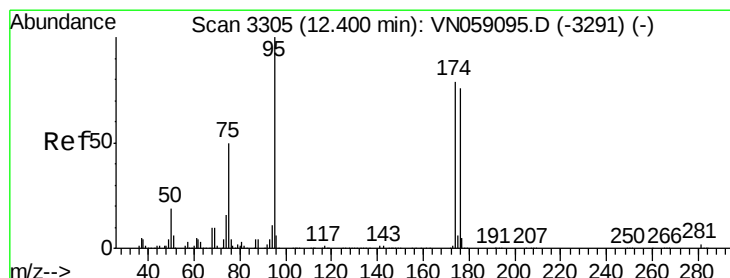
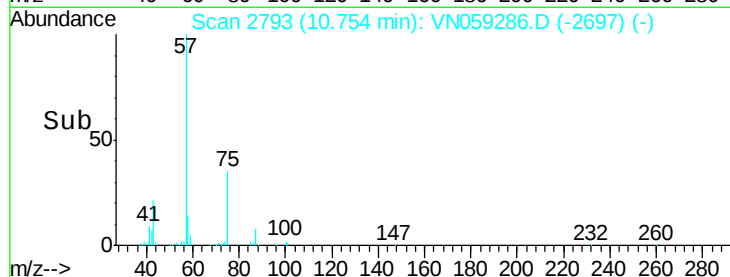
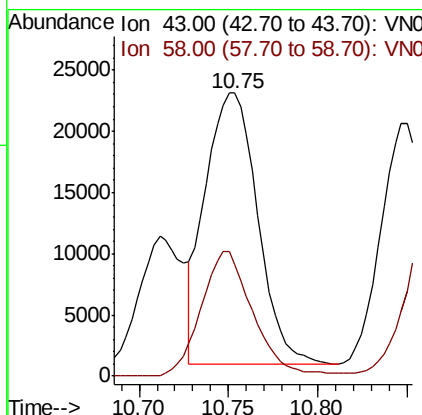
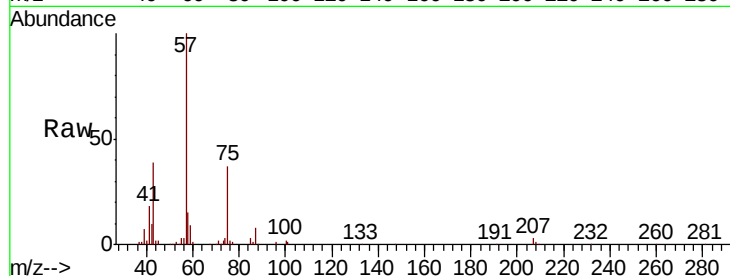




#59
2-Hexanone
Concen: 8.114 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.01 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

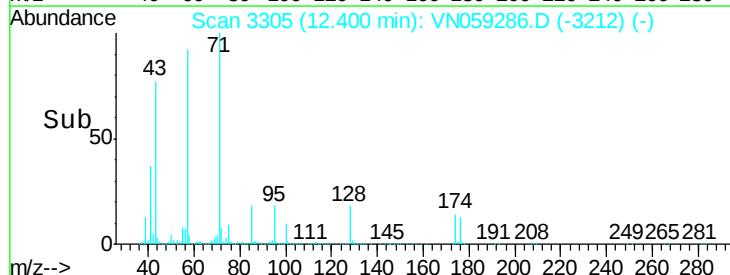
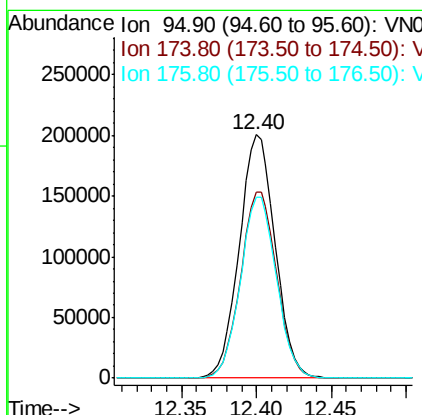
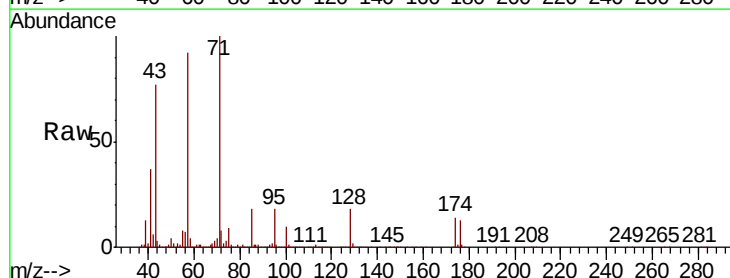
Instrument :
MSVOA_N
ClientSampled :

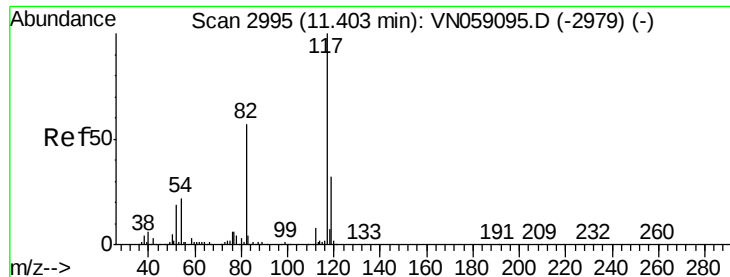
Tot Ion: 43 Resp: 45085
Ion Ratio Lower Upper
43 100
58 45.5 27.3 81.8



#62
4-Bromofluorobenzene
Concen: 50.928 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 95 Resp: 333318
Ion Ratio Lower Upper
95 100
174 77.3 0.0 158.2
176 75.0 0.0 151.8

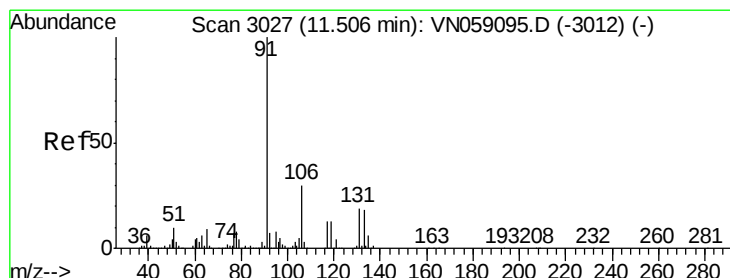
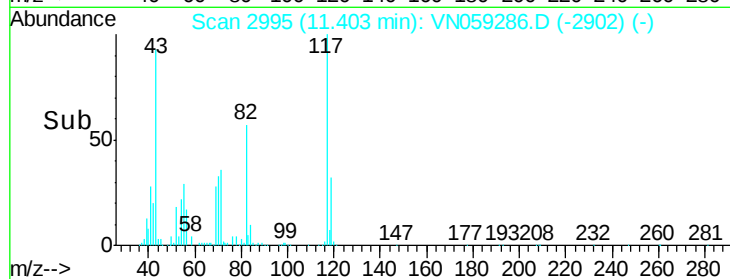
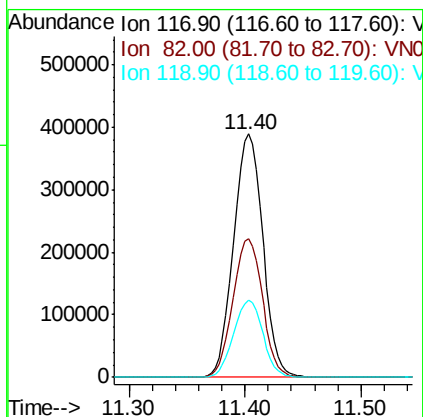
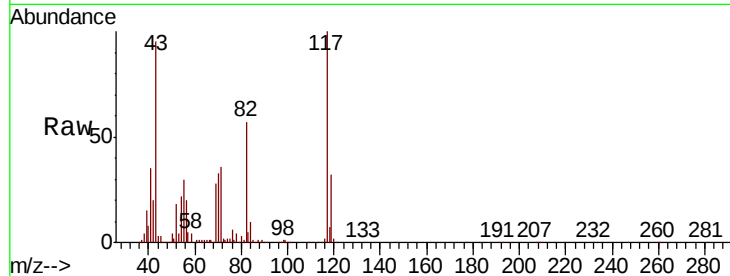




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

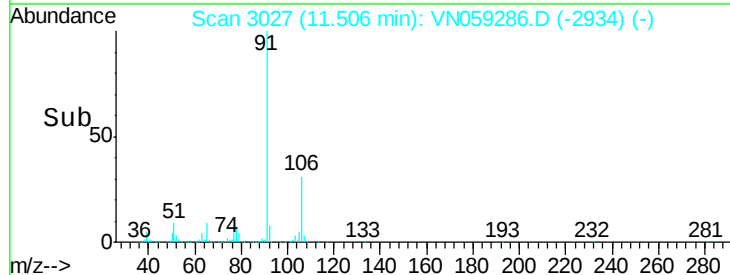
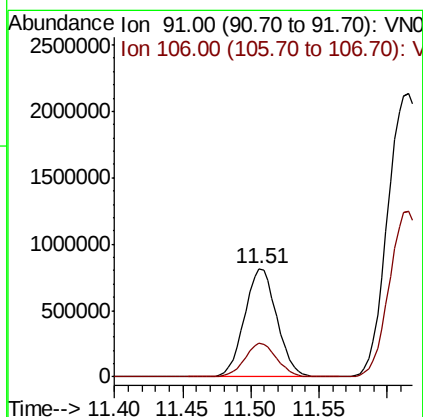
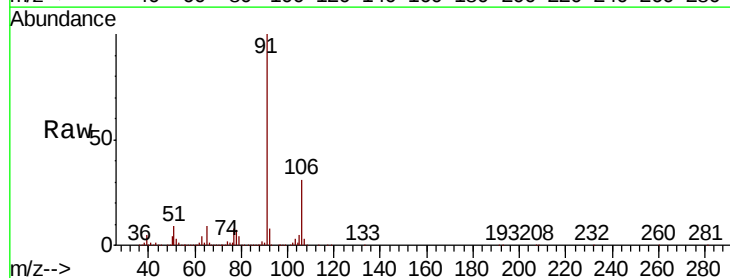
Instrument :
MSVOA_N
ClientSampled :

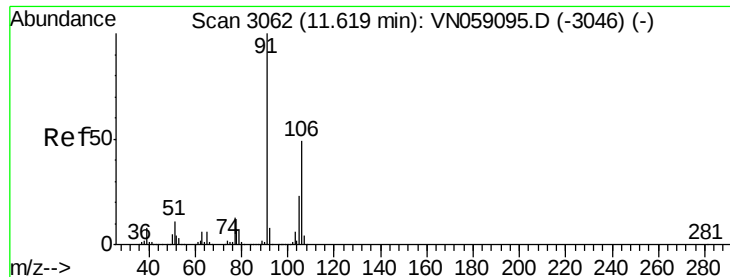
Tot Ion:117 Resp: 680132
Ion Ratio Lower Upper
117 100
82 56.7 45.8 68.8
119 31.7 25.8 38.6



#67
Ethyl Benzene
Concen: 56.950 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 91 Resp: 1339661
Ion Ratio Lower Upper
91 100
106 30.7 24.1 36.1





#68

m/p-Xylenes

Concen: 263.643 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

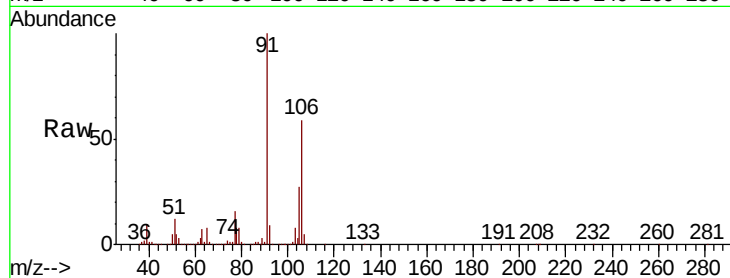
ClientSampled :

Tot Ion:106 Resp: 2323114

Ion Ratio Lower Upper

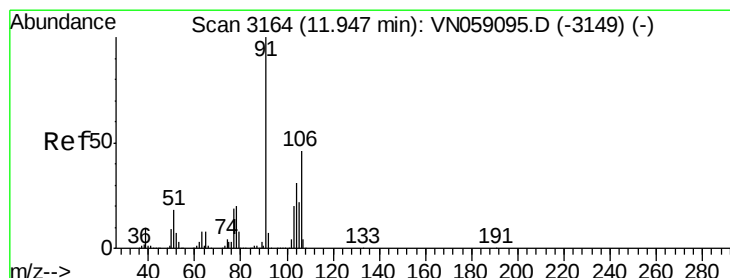
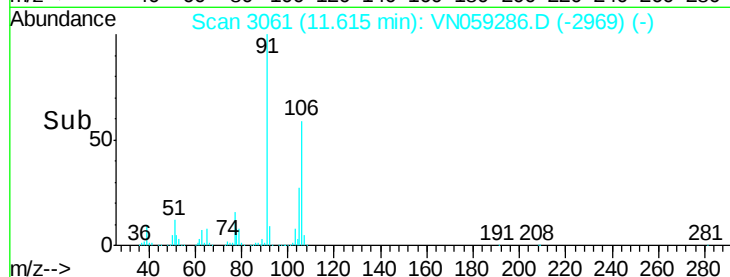
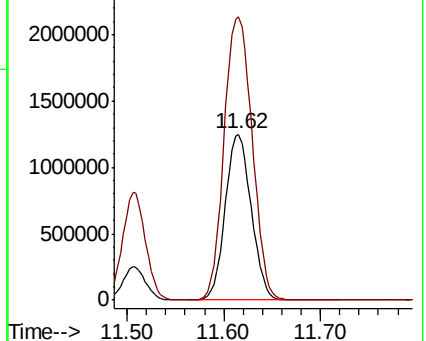
106 100

91 185.0 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 126.996 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN059286.D

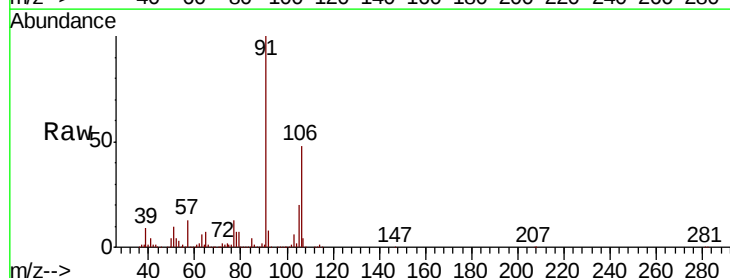
Acq: 18 Nov 2019 16:06

Tgt Ion:106 Resp: 1081443

Ion Ratio Lower Upper

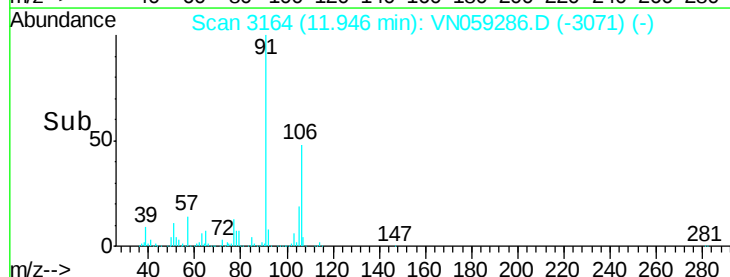
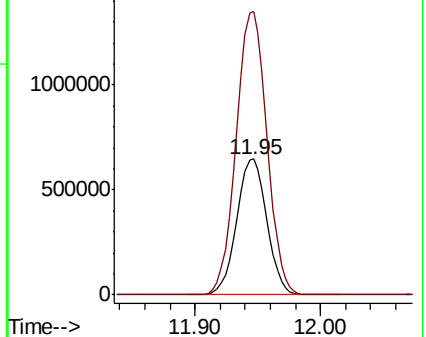
106 100

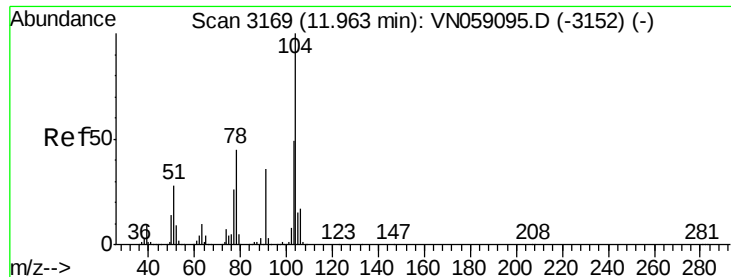
91 212.5 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

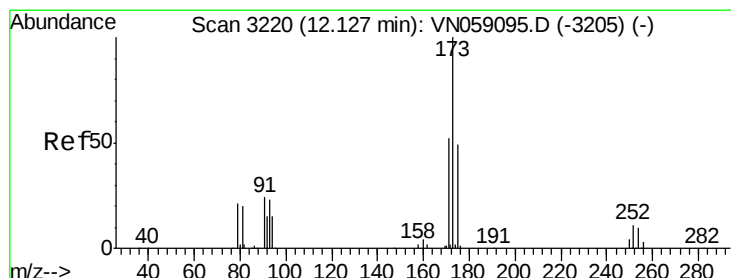
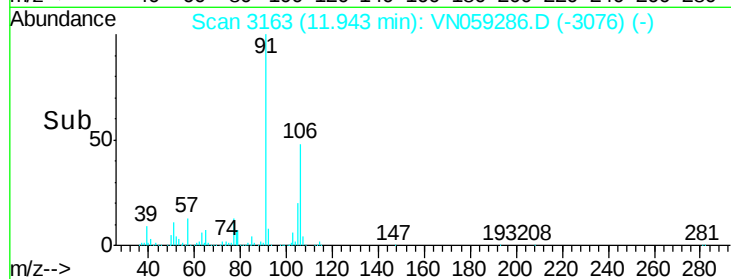
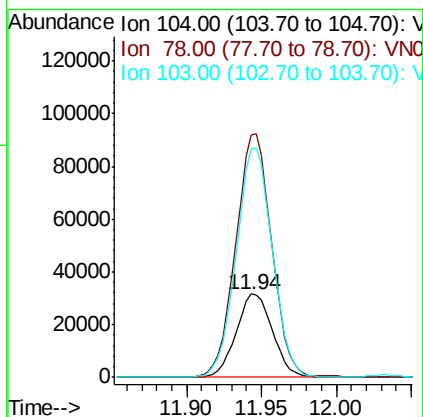
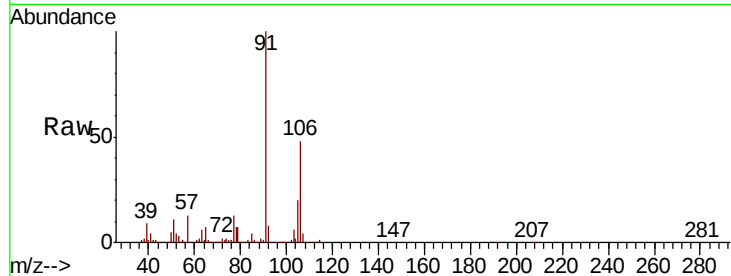




#70
Stvrene
Concen: 4.006 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.02 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

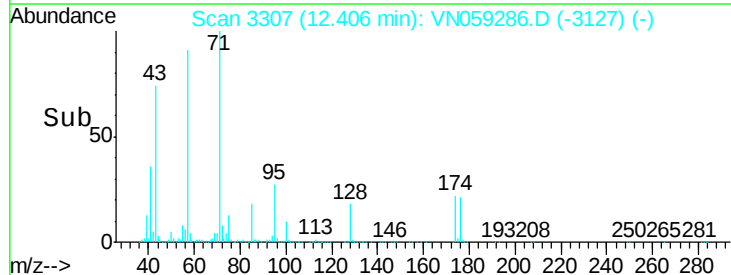
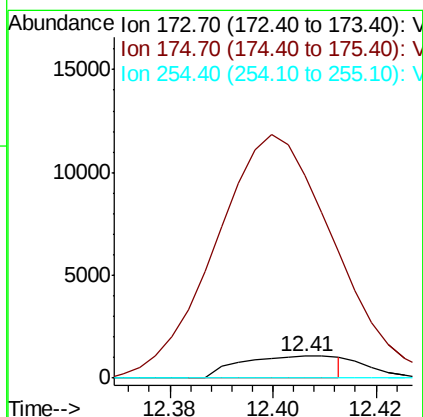
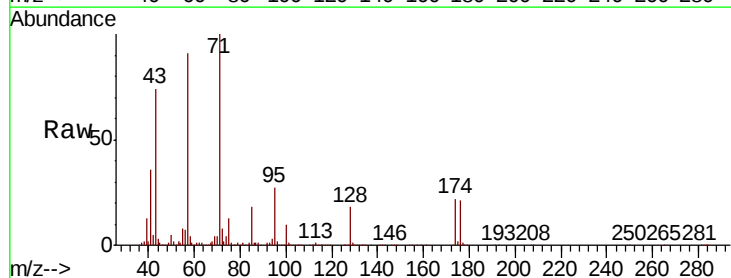
Instrument :
MSVOA_N
ClientSampleId :

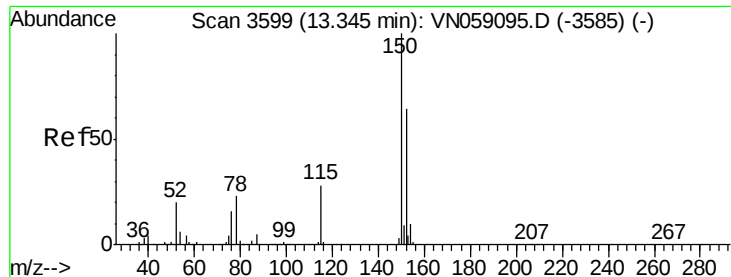
Tot Ion:104 Resp: 53657
Ion Ratio Lower Upper
104 100
78 288.8 41.2 61.8#
103 273.0 43.8 65.6#



#71
Bromoform
Concen: 0.362 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion:173 Resp: 1401
Ion Ratio Lower Upper
173 100
175 1207.2 24.2 72.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

ClientSampleId :

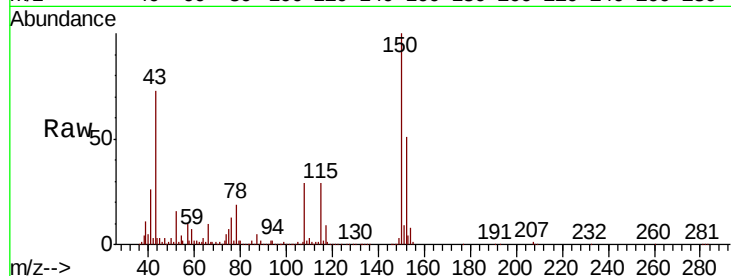
Tot Ion:152 Resp: 341147

Ion Ratio Lower Upper

152 100

115 54.8 29.4 88.2

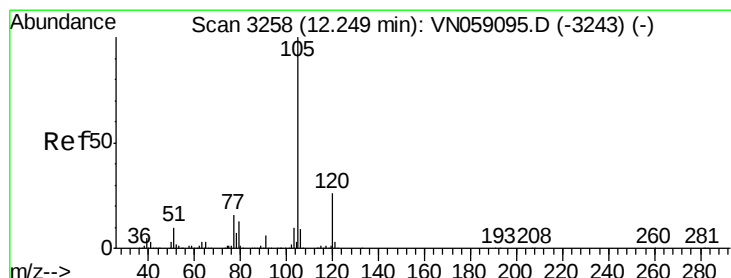
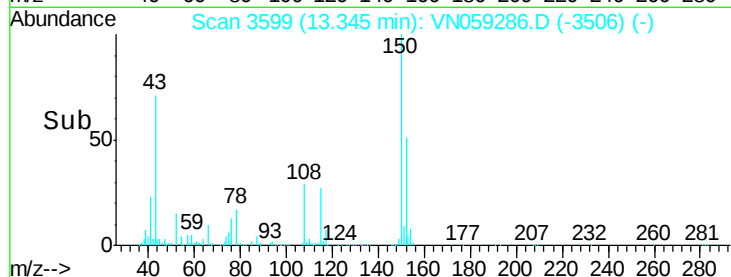
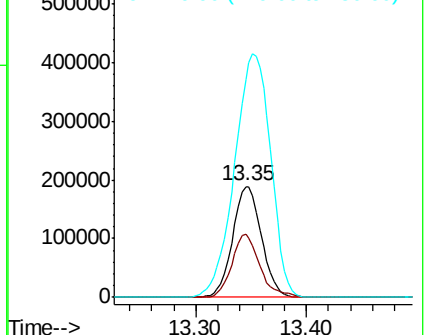
150 275.3 0.0 345.8



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: 1.521 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059286.D

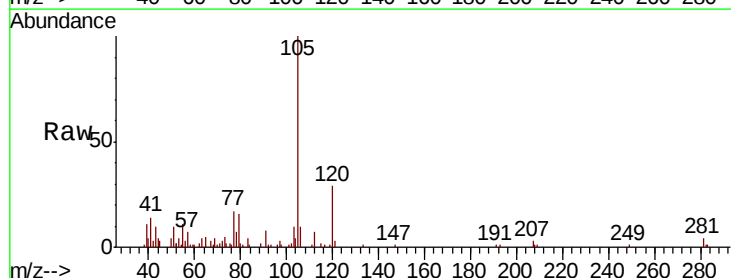
Acq: 18 Nov 2019 16:06

Tgt Ion:105 Resp: 37748

Ion Ratio Lower Upper

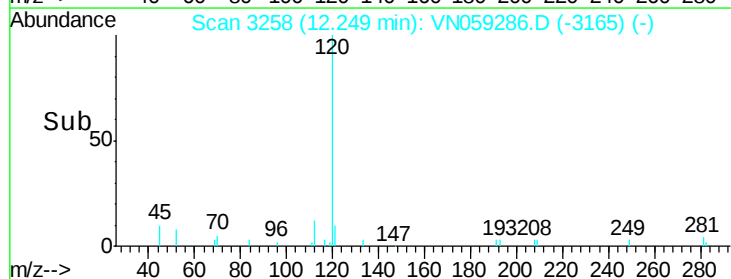
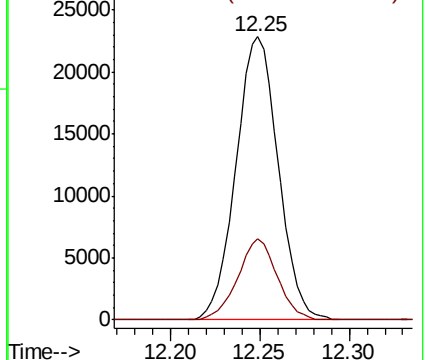
105 100

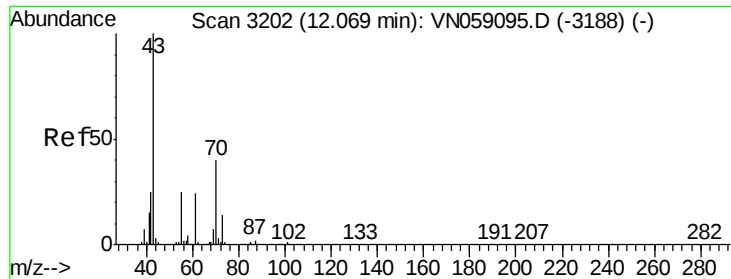
120 26.7 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.105 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.06 min

Lab File: VN059286.D

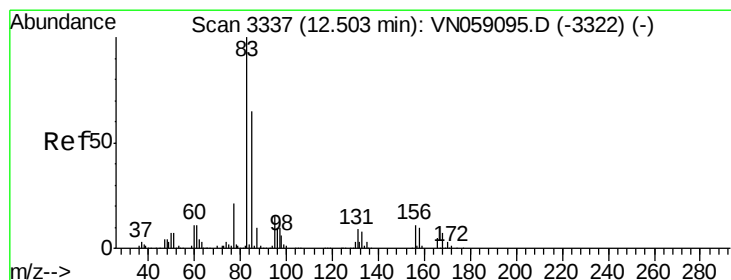
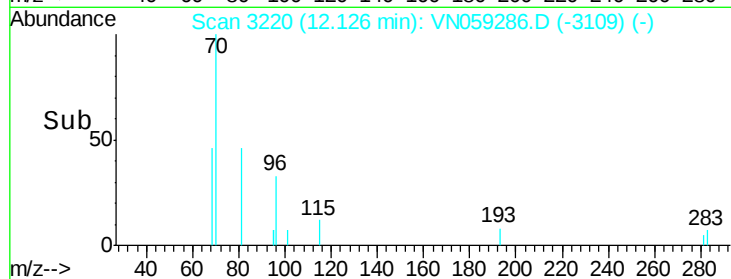
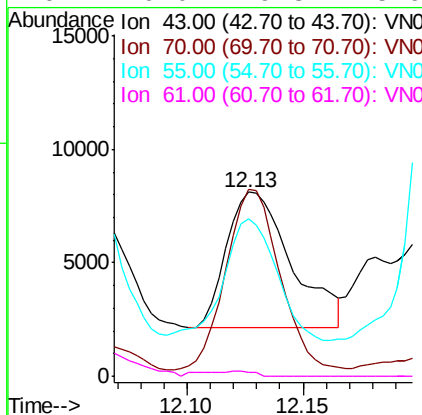
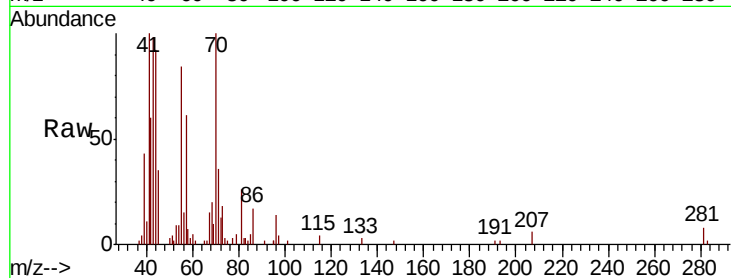
Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	11620
Ion	Ratio	Lower	Upper
43	100		
70	109.7	32.2	48.4#
55	0.0	20.4	30.6#
61	0.0	19.3	28.9#



#75

1,1,2,2-Tetrachloroethane

Concen: 10.526 ug/l

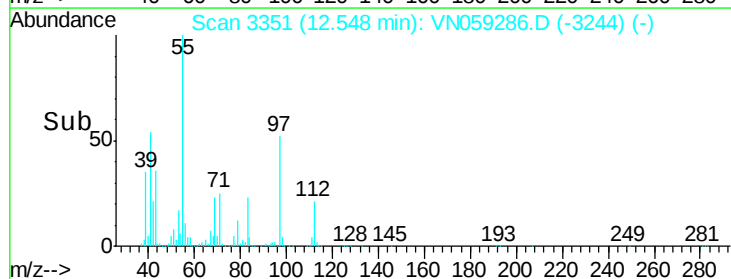
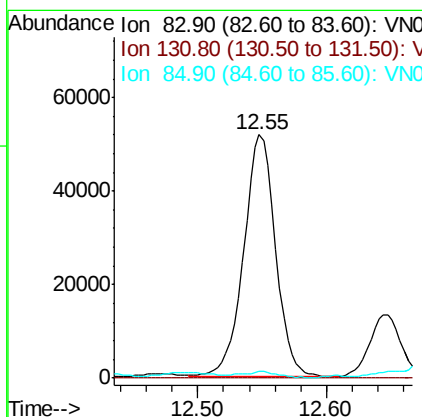
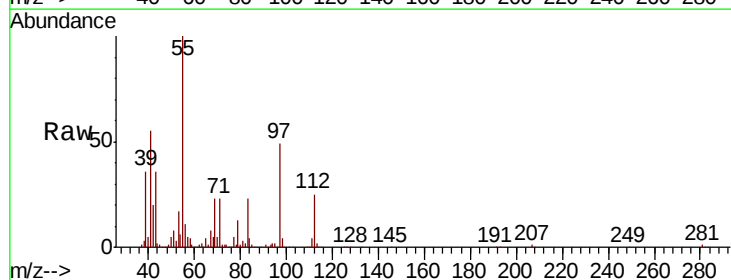
RT: 12.55 min Scan# 3351

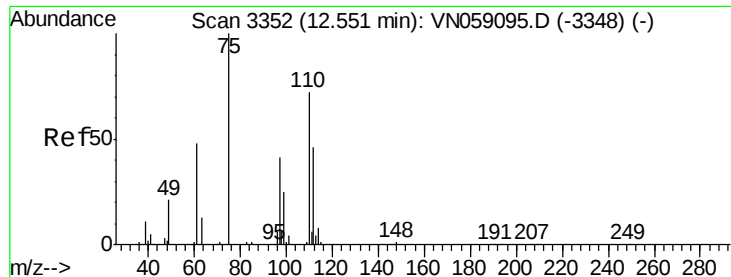
Delta R.T. 0.04 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Tgt Ion:	83	Resp:	88952
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: 20.744 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

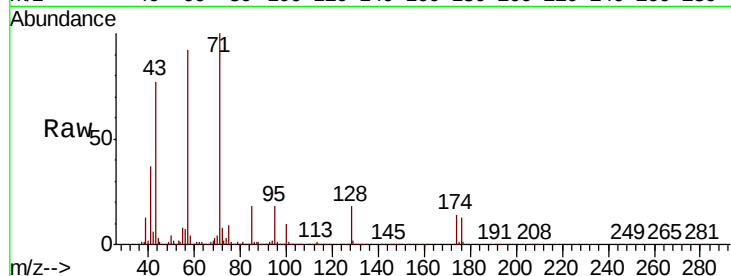
ClientSampled :

Tot Ion: 75 Resp: 161112

Ion Ratio Lower Upper

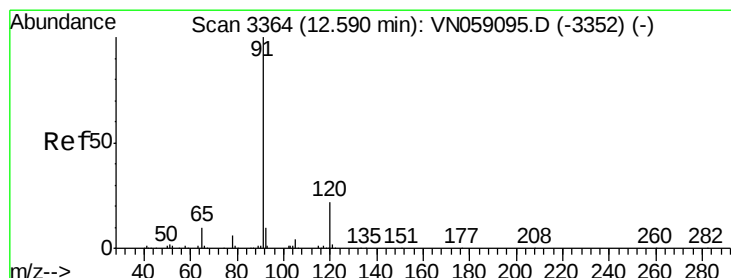
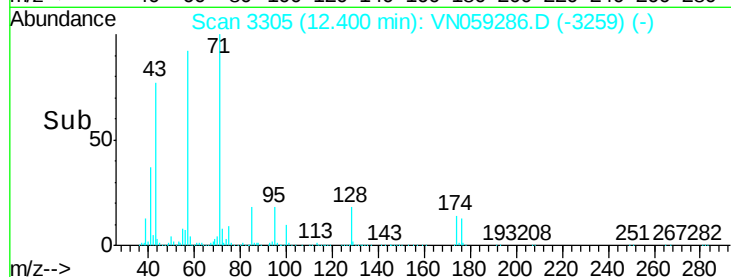
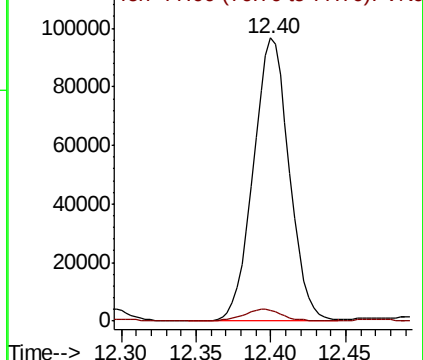
75 100

77 4.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 1.106 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059286.D

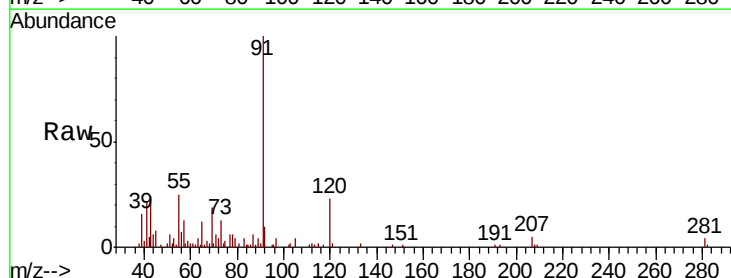
Acq: 18 Nov 2019 16:06

Tgt Ion: 91 Resp: 31423

Ion Ratio Lower Upper

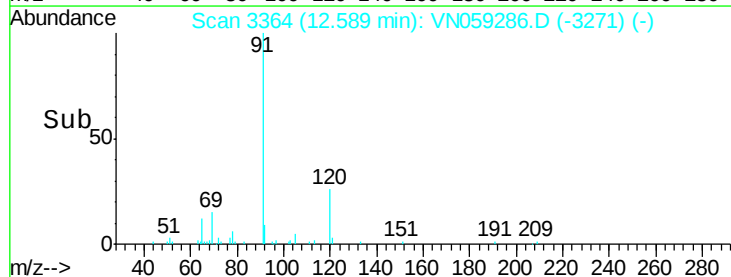
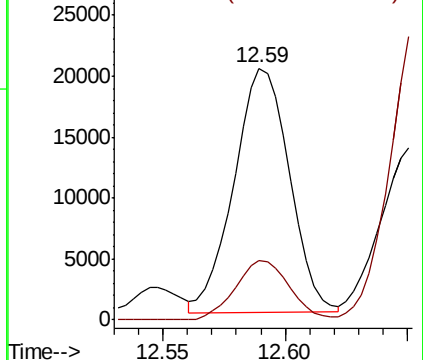
91 100

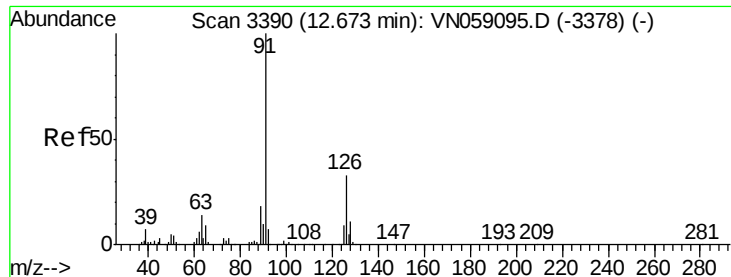
120 23.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

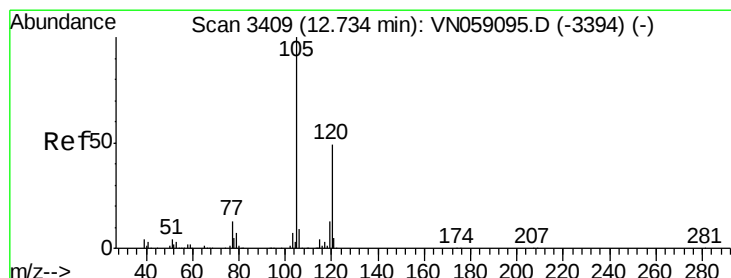
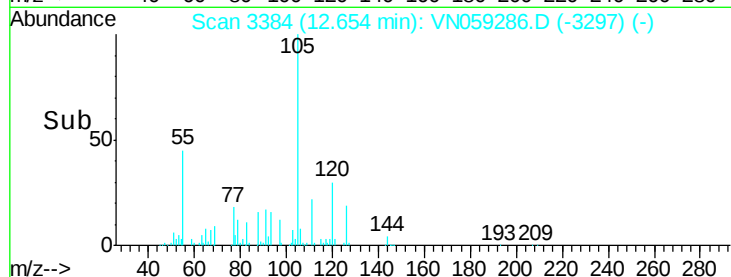
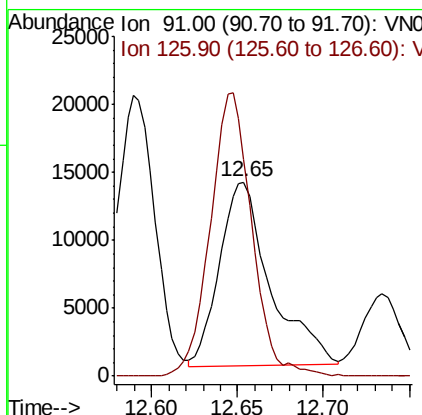
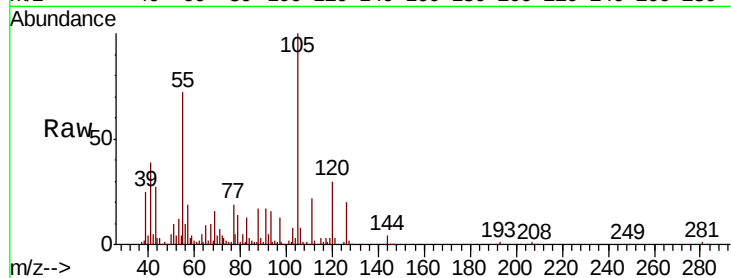




#79
 2-Chlorotoluene
 Concen: 1.587 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

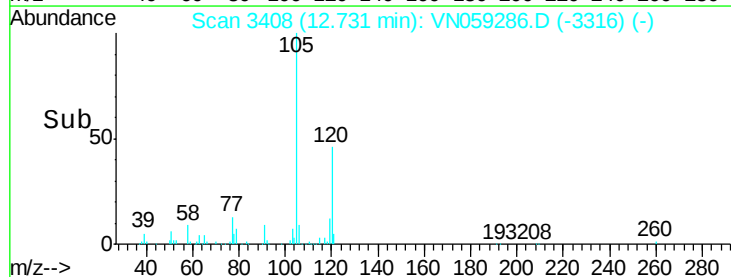
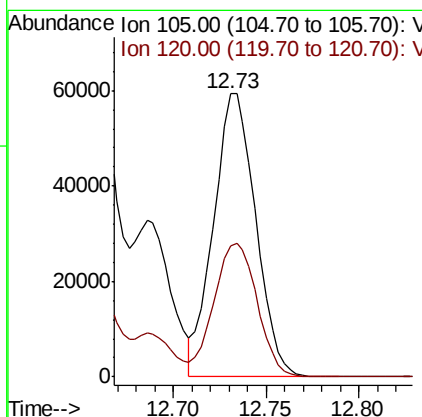
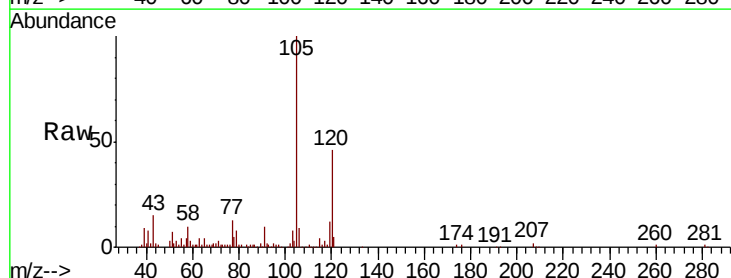
Instrument :
 MSVOA_N
 ClientSampled :

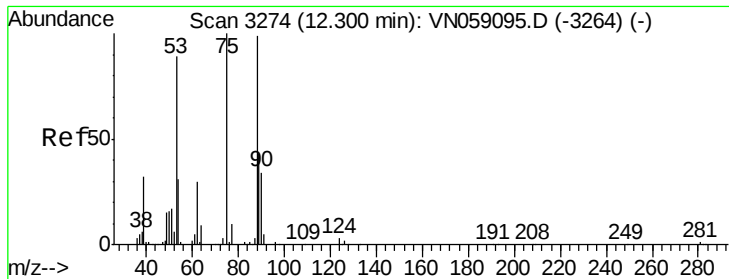
Tot Ion: 91 Resp: 27981
 Ion Ratio Lower Upper
 91 100
 126 126.0 16.7 50.1#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.452 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

Tgt Ion: 105 Resp: 93615
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.0 72.0

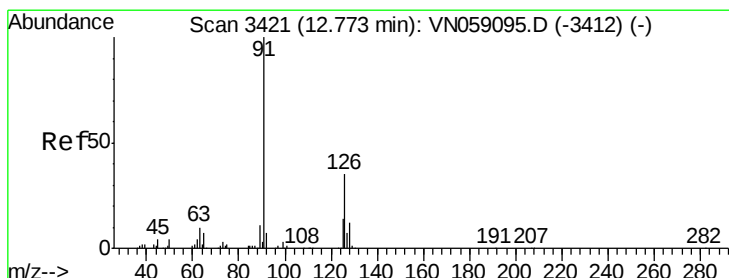
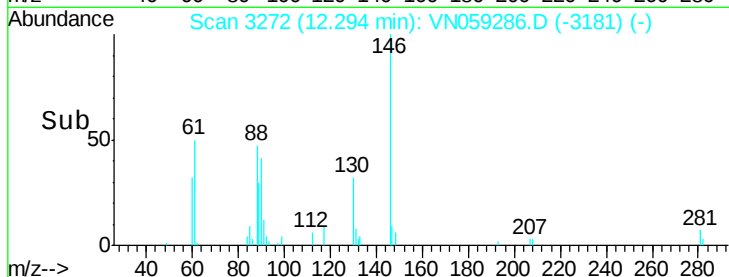
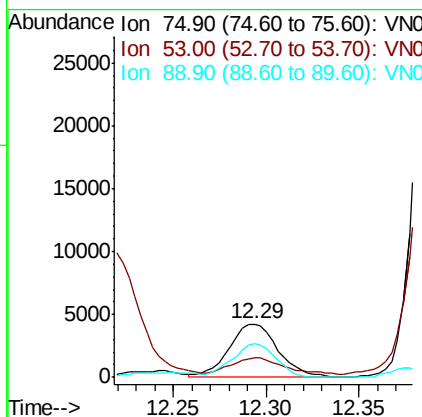
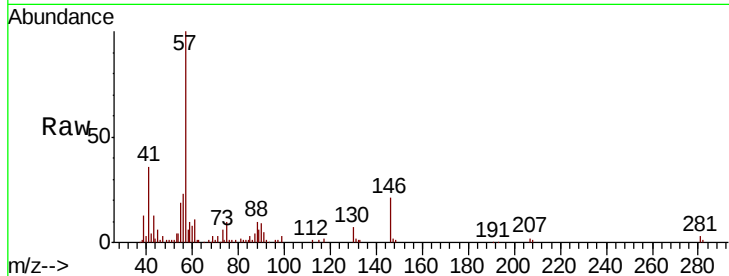




#81
trans-1,4-Dichloro-2-butene
Concen: 2.654 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.01 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

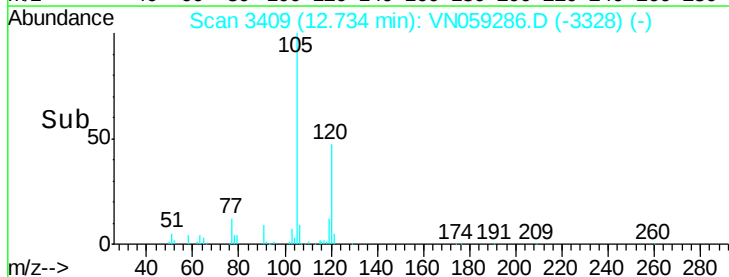
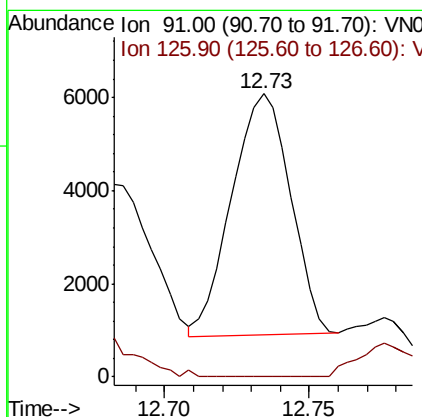
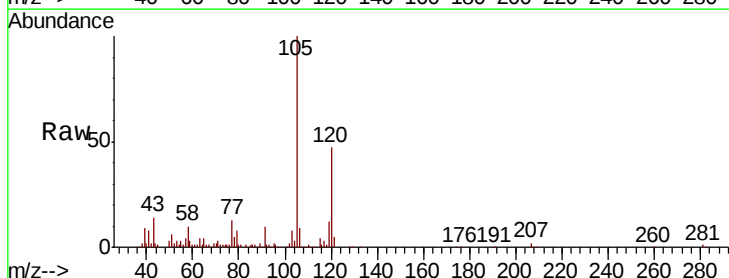
Instrument :
MSVOA_N
ClientSampled :

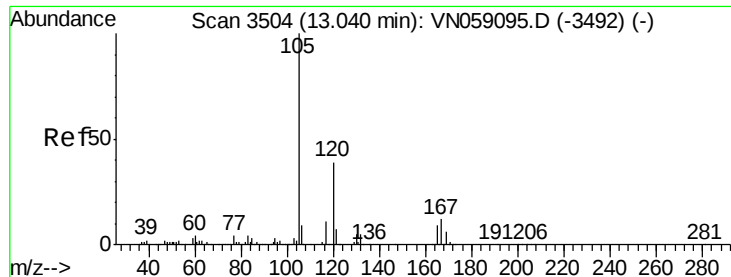
Tot Ion: 75 Resp: 7803
Ion Ratio Lower Upper
75 100
53 31.6 72.2 108.2#
89 0.0 35.8 53.8#



#82
4-Chlorotoluene
Concen: 0.412 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.04 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 91 Resp: 7277
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.2#

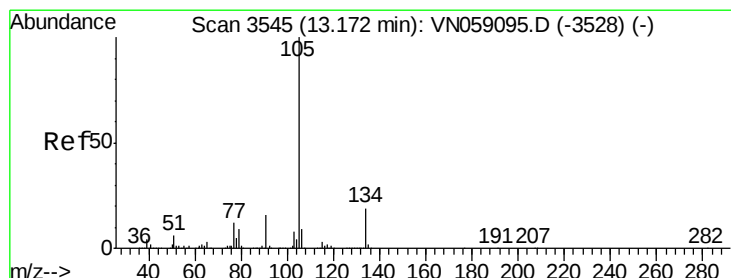
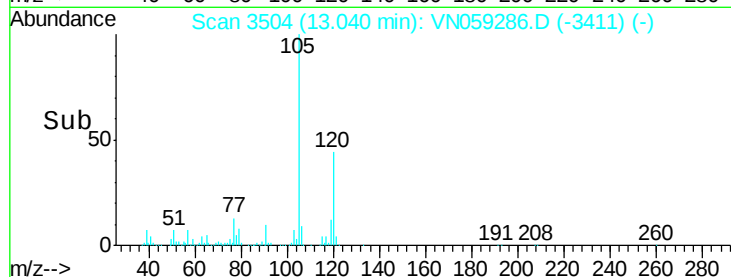
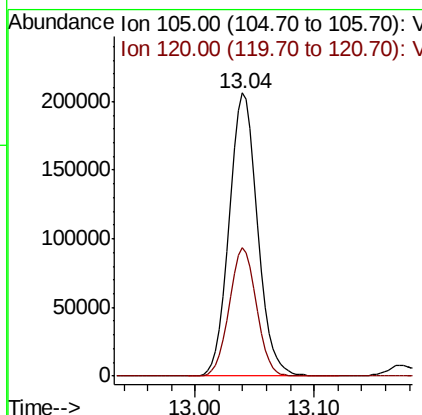
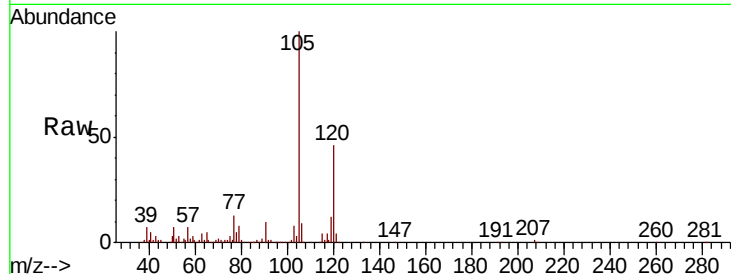




#84
 1,2,4-Trimethylbenzene
 Concen: 16.745 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

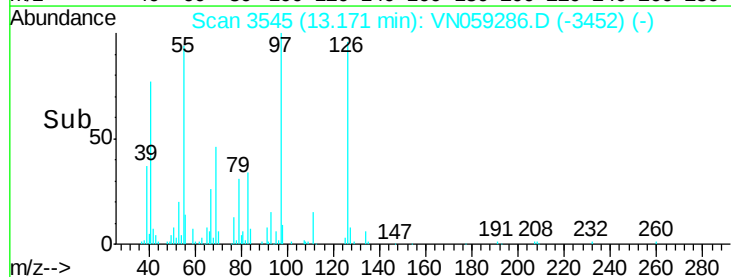
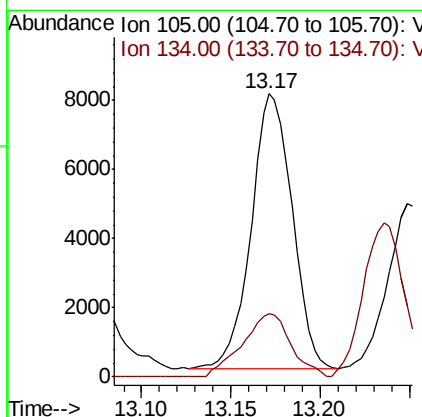
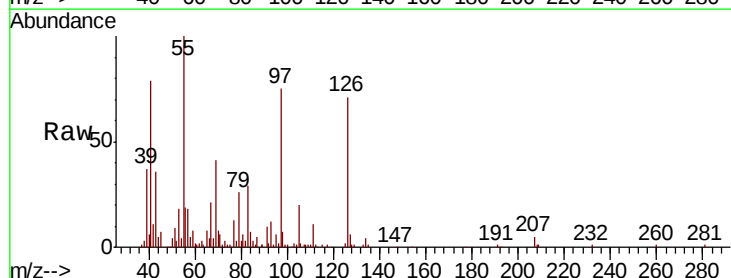
Instrument :
 MSVOA_N
 ClientSampled :

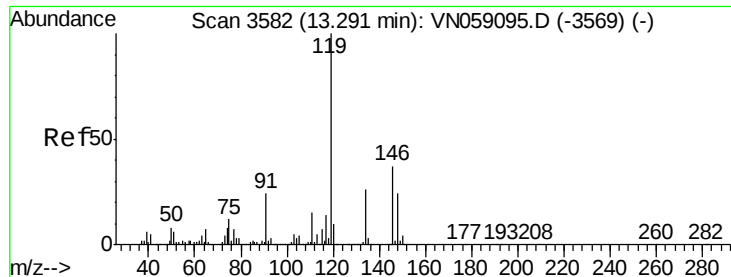
Tot Ion:105 Resp: 340659
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.8 68.4



#85
 sec-Butylbenzene
 Concen: 0.542 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

Tgt Ion:105 Resp: 12802
 Ion Ratio Lower Upper
 105 100
 134 27.3 9.7 29.1

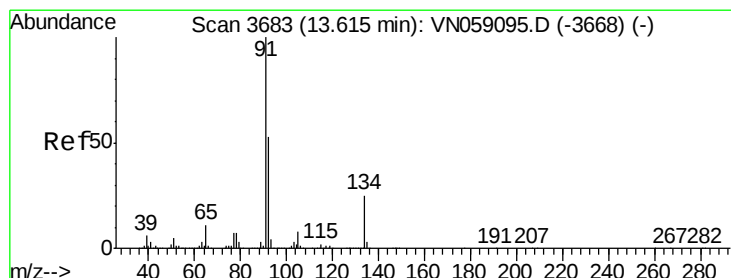
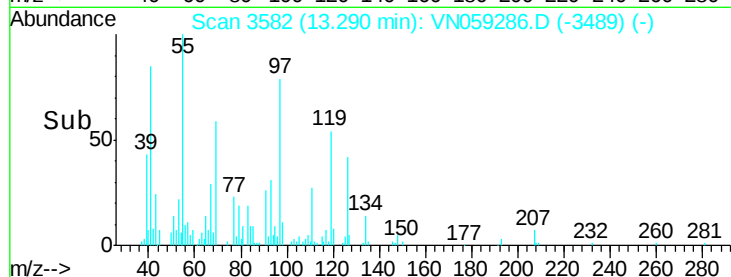
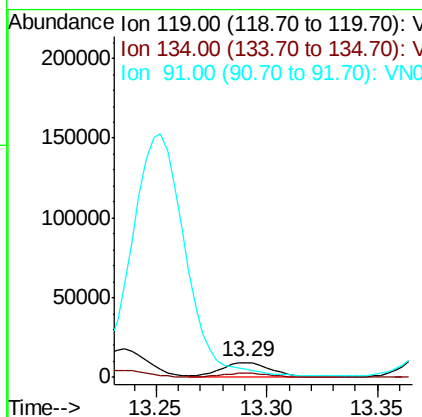
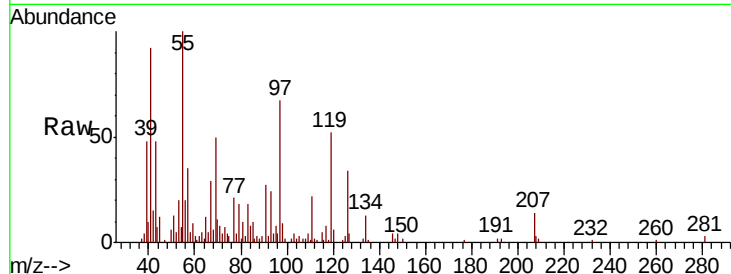




#86
 p-Isopropyltoluene
 Concen: 0.704 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

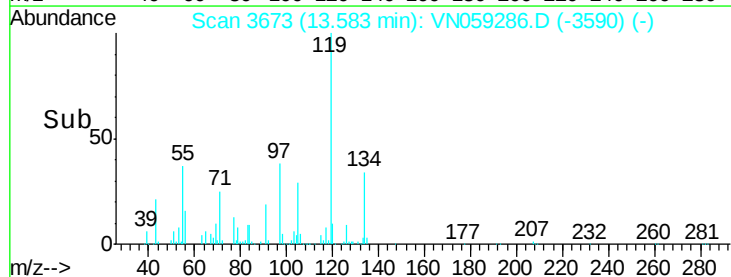
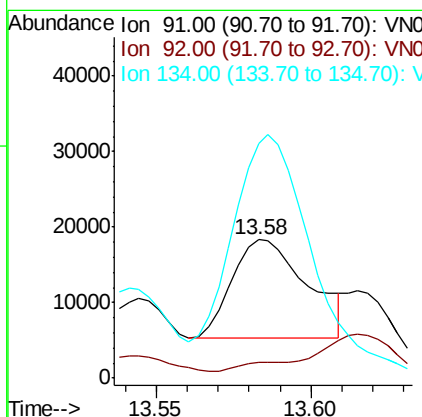
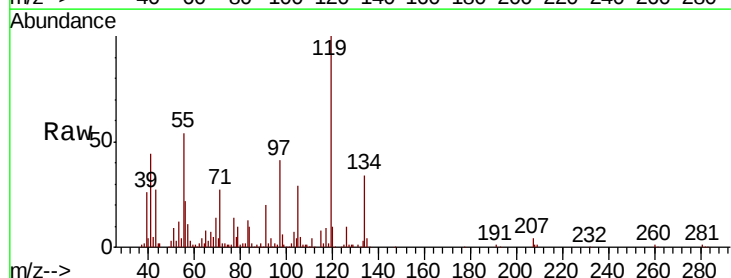
Instrument :
 MSVOA_N
 ClientSampled :

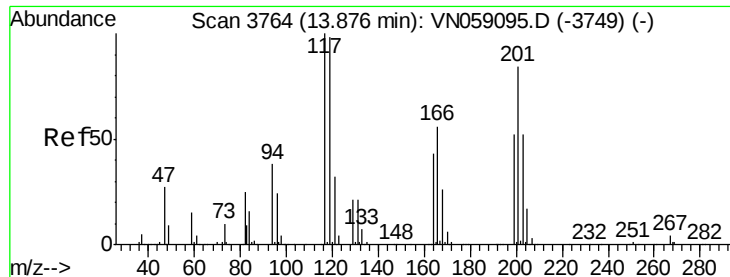
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.0	38.9
91	0.0	11.7	35.1#



#89
 n-Butylbenzene
 Concen: 1.208 ug/l
 RT: 13.58 min Scan# 3673
 Delta R.T. -0.03 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.1	78.3#
134	264.2	12.6	37.8#

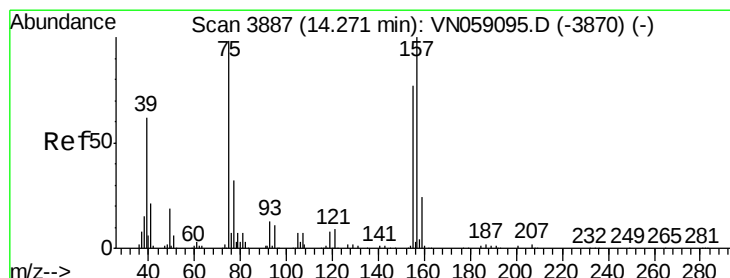
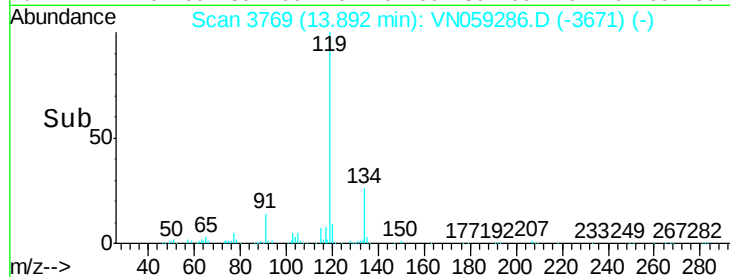
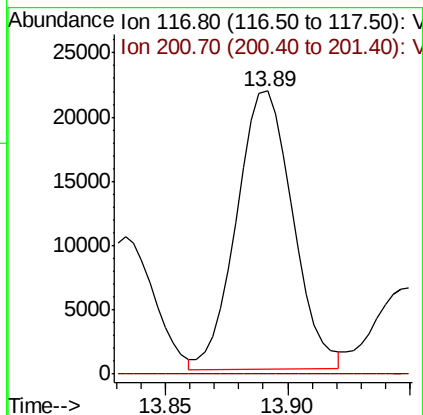
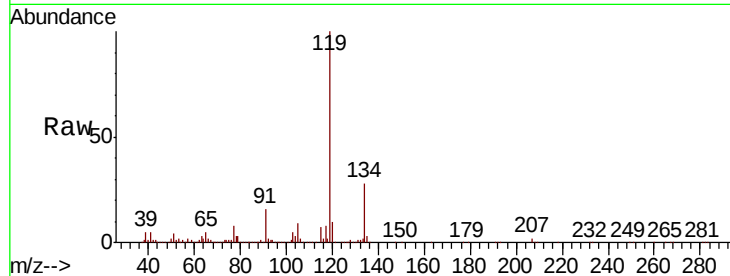




#90
Hexachloroethane
Concen: 8.255 ug/l
RT: 13.89 min Scan# 3769
Delta R.T. 0.02 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

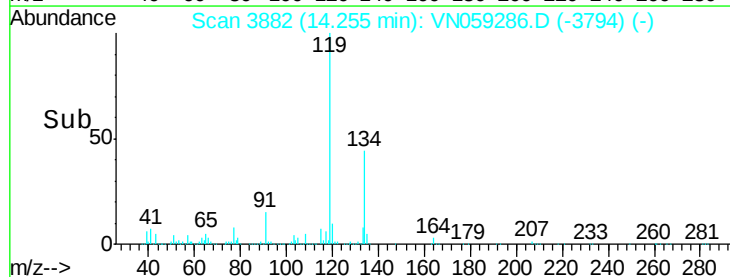
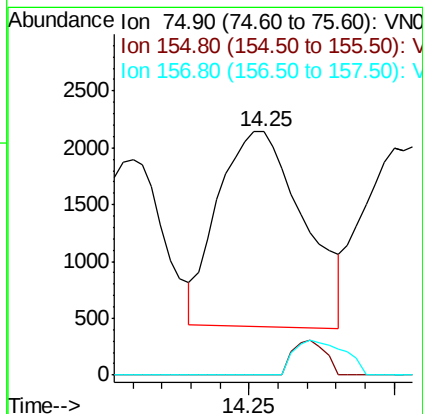
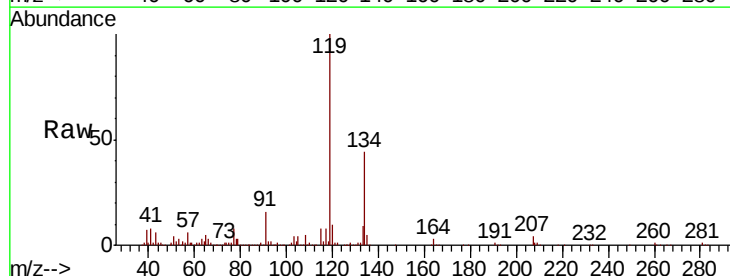
Instrument :
MSVOA_N
ClientSampled :

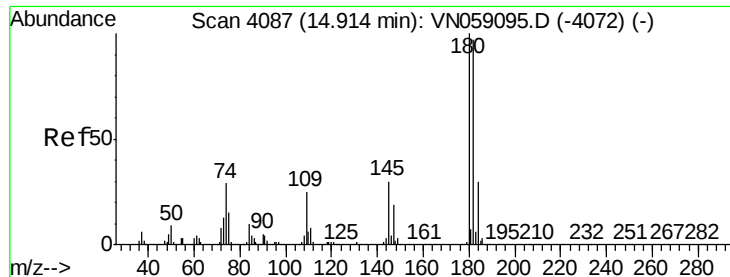
Tot Ion:117 Resp: 34565
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.115 ug/l
RT: 14.25 min Scan# 3882
Delta R.T. -0.02 min
Lab File: VN059286.D
Acq: 18 Nov 2019 16:06

Tgt Ion: 75 Resp: 3524
Ion Ratio Lower Upper
75 100
155 6.7 40.2 120.6#
157 10.5 51.8 155.5#

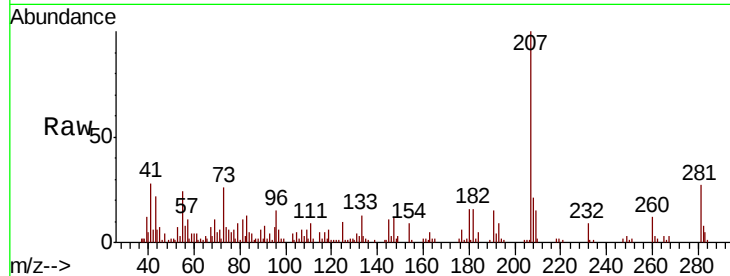




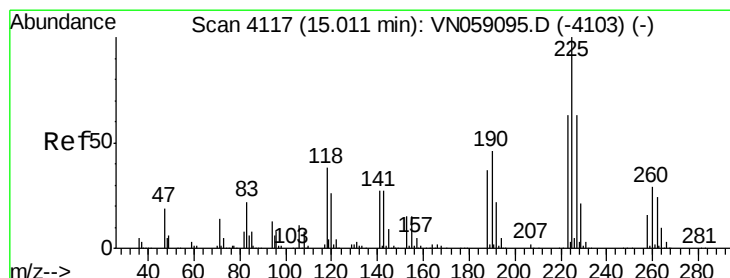
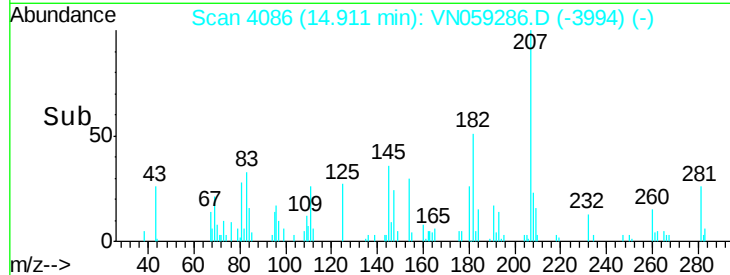
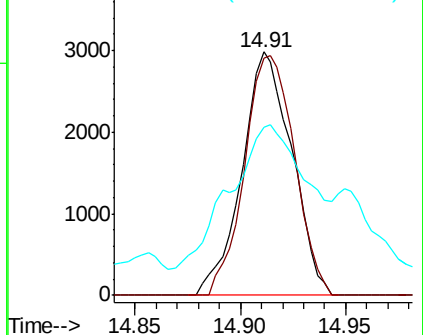
#93
 1,2,4-Trichlorobenzene
 Concen: 3.770 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 4907
 Ion Ratio Lower Upper
 180 100
 182 98.4 48.1 144.3
 145 92.5 15.1 45.3#

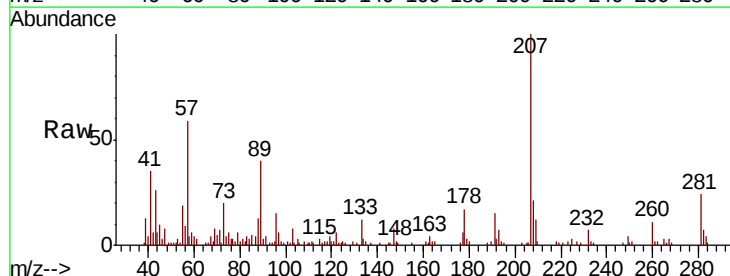


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

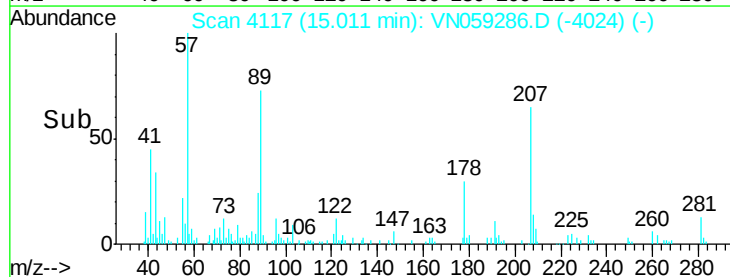
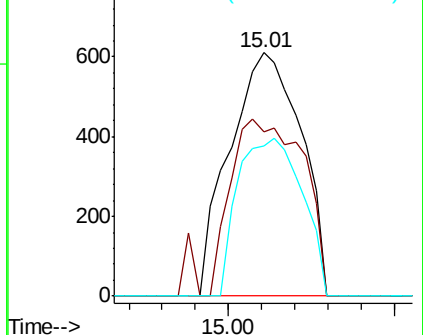


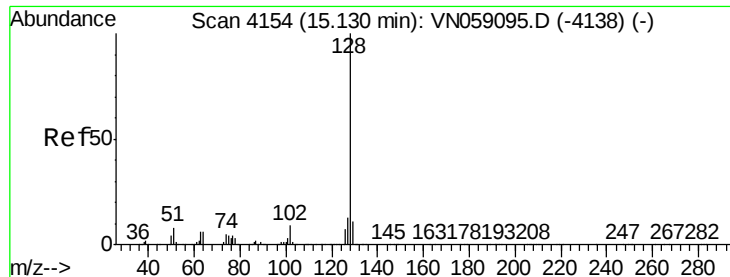
#94
 Hexachlorobutadiene
 Concen: 0.254 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059286.D
 Acq: 18 Nov 2019 16:06

Tgt Ion:225 Resp: 918
 Ion Ratio Lower Upper
 225 100
 223 73.9 31.3 93.9
 227 58.4 31.5 94.5



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





#95

Naphthalene

Concen: 13.325 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

Instrument :

MSVOA_N

ClientSampleId :

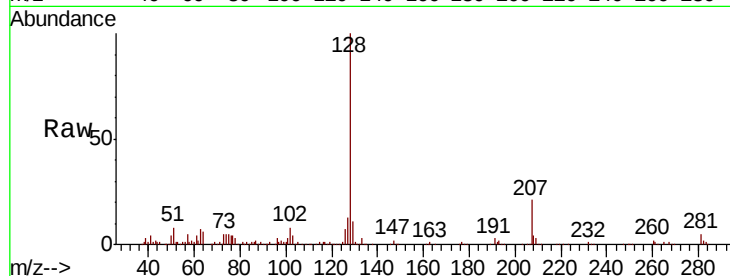
Tot Ion:128 Resp: 193510

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

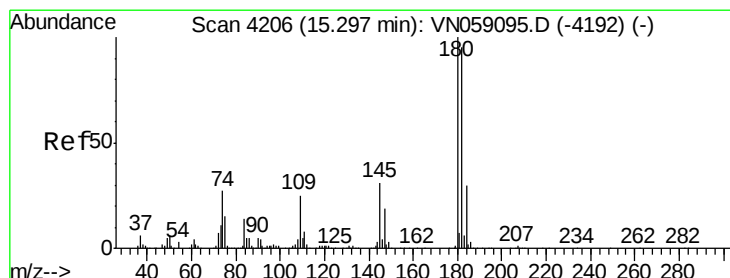
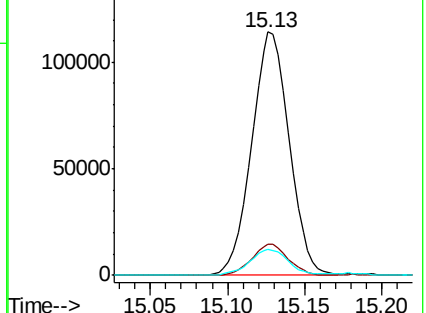
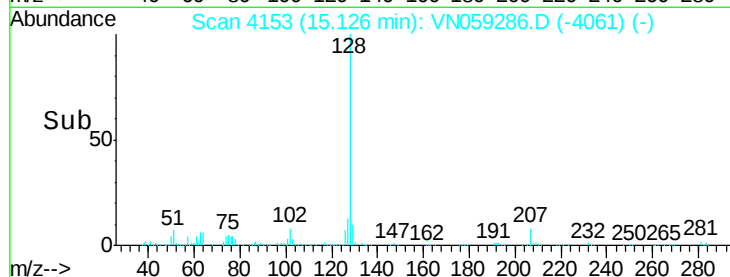
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.043 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059286.D

Acq: 18 Nov 2019 16:06

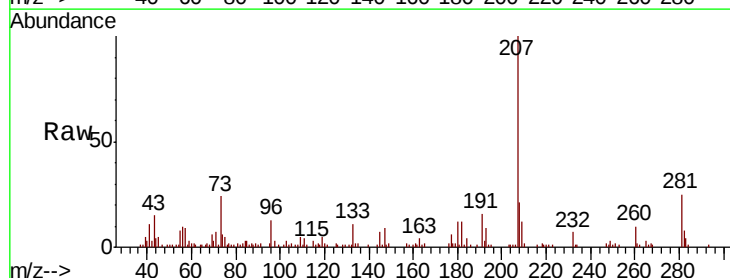
Tgt Ion:180 Resp: 6136

Ion Ratio Lower Upper

180 100

182 105.6 47.3 141.8

145 81.5 15.8 47.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

