

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
 Data File : VN058993.D
 Acq On : 28 Oct 2019 13:28
 Operator : JC/SP
 Sample : K5140-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 29 19:33:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	371367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	590361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	555069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216073	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	262018	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	
35) Dibromofluoromethane	7.57	113	190927	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	10.08	98	764260	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	246025	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	376	0.416	ug/l #	72
14) Allyl chloride	4.53	41	87919	11.868	ug/l #	24
16) Acetone	3.80	43	38294	14.228	ug/l	95
17) Carbon Disulfide	4.03	76	2552	0.216	ug/l #	75
18) Methyl Acetate	4.30	43	14011	2.290	ug/l	100
20) Methylene Chloride	4.53	84	2290200	498.338	ug/l	98
25) 2-Butanone	6.82	43	1750	0.501	ug/l #	87
30) Chloroform	7.35	83	2735	0.325	ug/l	95
31) Cyclohexane	7.65	56	8441	1.078	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	30472	5.042	ug/l #	50
37) Ethyl Acetate	6.82	43	1750	0.266	ug/l #	70
38) Carbon Tetrachloride	7.65	117	36418	5.849	ug/l #	17
43) Isopropyl Acetate	8.15	43	106657	10.098	ug/l #	91
45) 1,2-Dichloropropane	9.26	63	2174	0.447	ug/l #	44
48) Methyl methacrylate	9.17	41	6446	1.345	ug/l #	14
49) 1,4-Dioxane	9.26	88	165	2.098	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	8079	1.310	ug/l	95
52) Toluene	10.15	92	8378	0.796	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	45076	6.010	ug/l #	64
56) Ethyl methacrylate	10.54	69	2206	2.388	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	7233	0.950	ug/l #	43
59) 2-Hexanone	10.76	43	116546	24.448	ug/l #	54
67) Ethyl Benzene	11.51	91	15530	0.783	ug/l	96
68) m/p-Xylenes	11.62	106	24060	3.273	ug/l	97
69) o-Xylenes	11.95	106	20763	2.961	ug/l	97
70) Styrene	11.95	104	1668	1.838	ug/l #	1
71) Bromoform	12.40	173	1350	0.408	ug/l #	1
73) Isopropylbenzene	12.25	105	4575	0.290	ug/l	92
74) N-amyl acetate	12.03	43	5413	0.756	ug/l #	50
76) 1,2,3-Trichloropropane	12.40	75	129462	25.852	ug/l #	100
78) n-propylbenzene	12.60	91	16091	0.862	ug/l	99
79) 2-Chlorotoluene	12.66	91	5581	0.489	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.74	105	34044	2.566	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	129462	67.348	ug/l #	10

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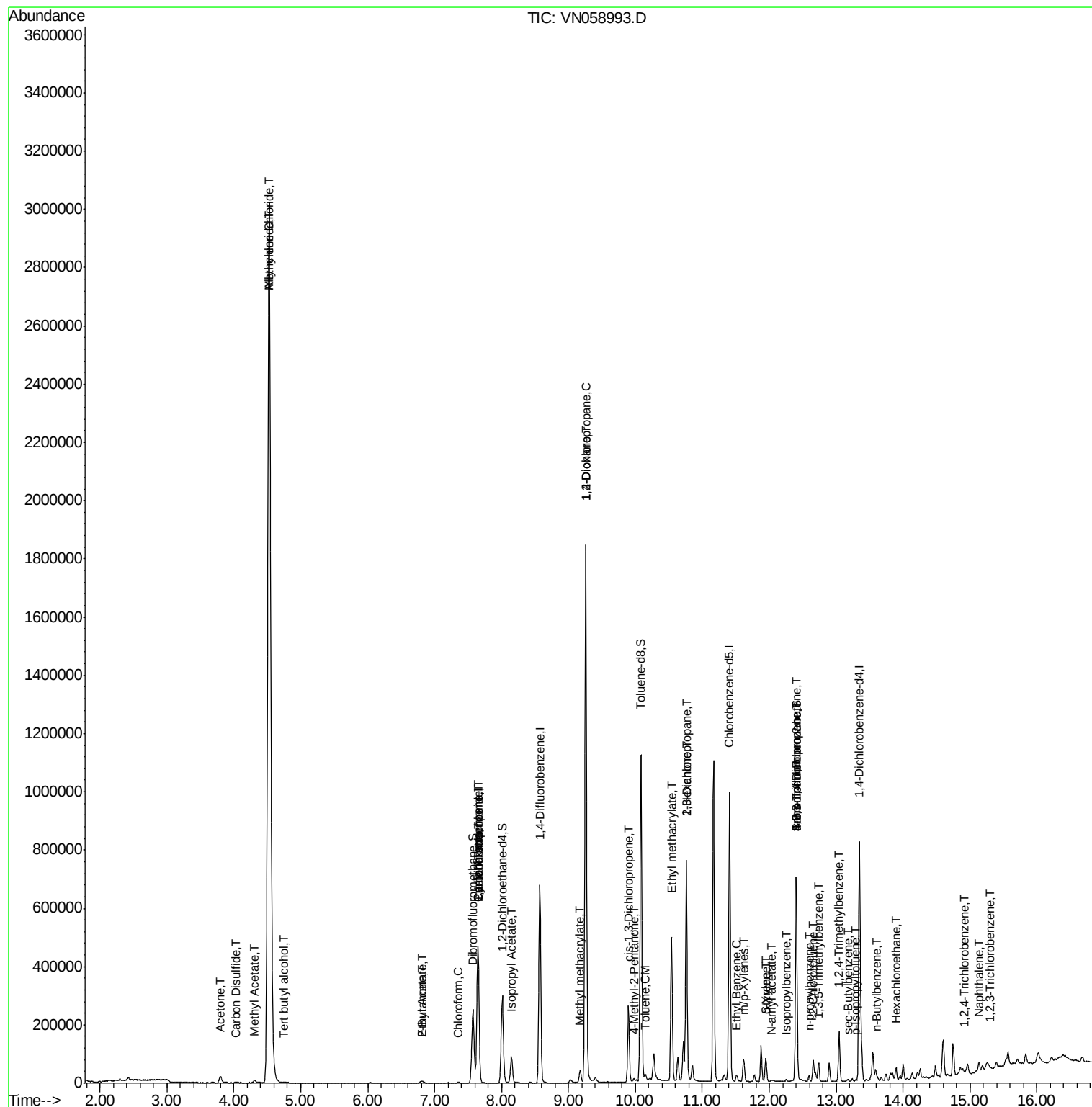
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) 1,2,4-Trimethylbenzene	13.04	105	96472	7.372	uq/l	98
85) sec-Butylbenzene	13.18	105	5292	0.350	uq/l	83
86) p-Isopropyltoluene	13.29	119	3395	0.254	uq/l	94
89) n-Butylbenzene	13.62	91	4245	0.346	uq/l #	71
90) Hexachloroethane	13.89	117	2723	1.007	uq/l #	11
93) 1,2,4-Trichlorobenzene	14.92	180	744	2.685	uq/l #	1
95) Naphthalene	15.13	128	25966	4.230	uq/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	948	2.610	uq/l #	77

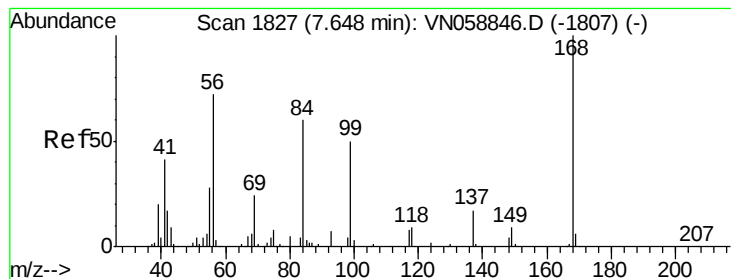
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

Instrument :

MSVOA_N

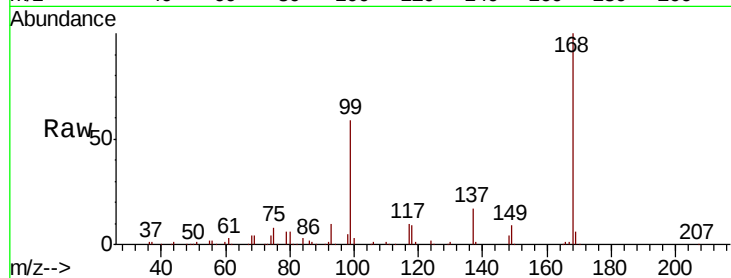
ClientSampled :

Tot Ion:168 Resp: 371367

Ion Ratio Lower Upper

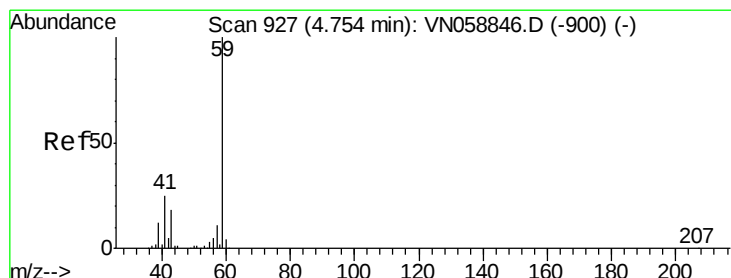
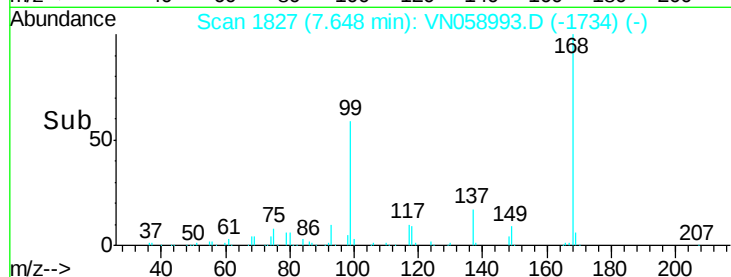
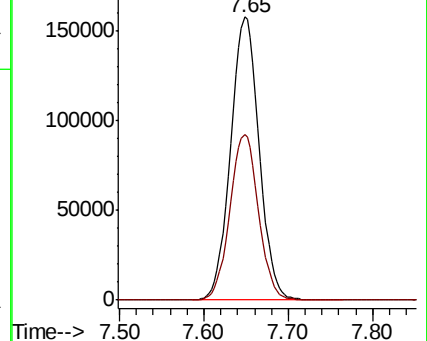
168 100

99 58.7 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.416 ug/l

RT: 4.76 min Scan# 928

Delta R.T. 0.00 min

Lab File: VN058993.D

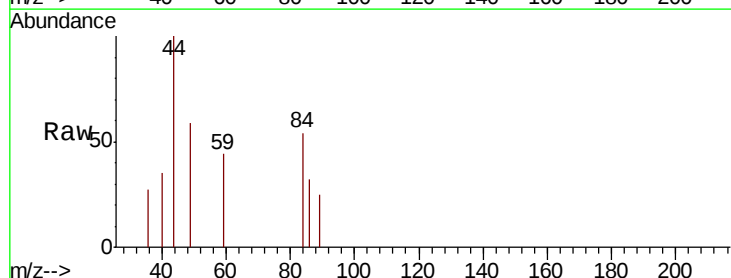
Acq: 28 Oct 2019 13:28

Tgt Ion: 59 Resp: 376

Ion Ratio Lower Upper

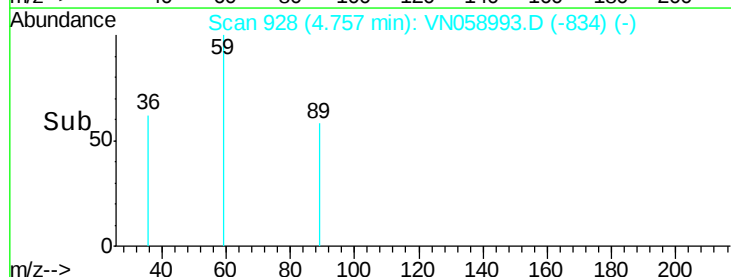
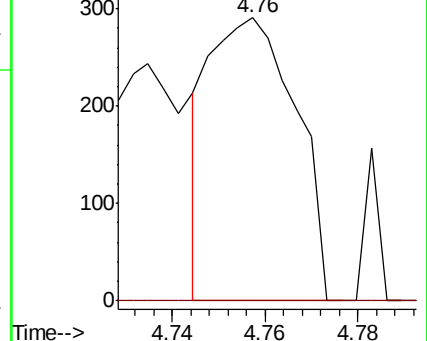
59 100

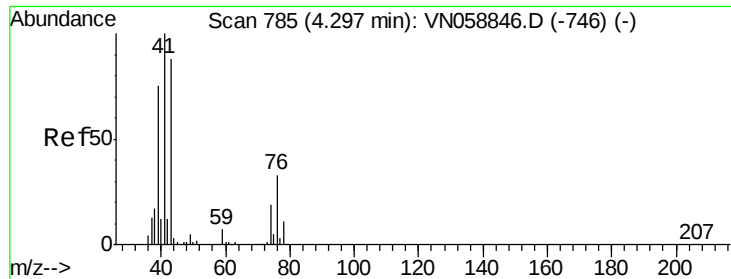
57 0.0 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

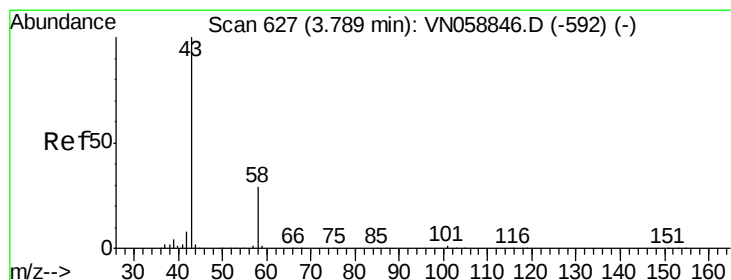
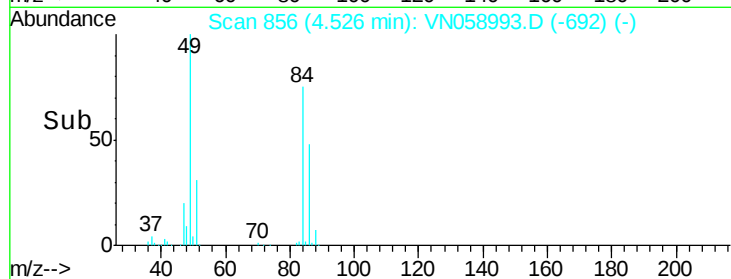
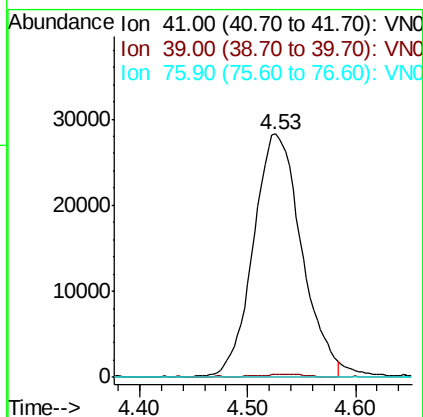
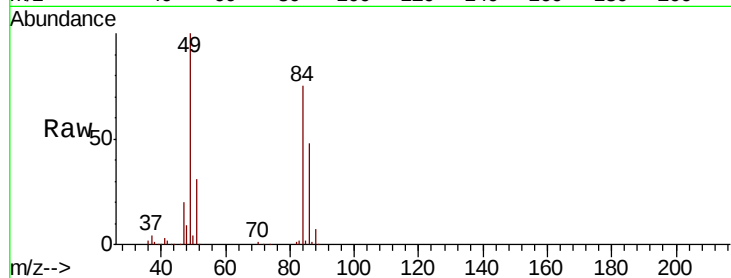




#14
 Allvl chloride
 Concen: 11.868 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.23 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

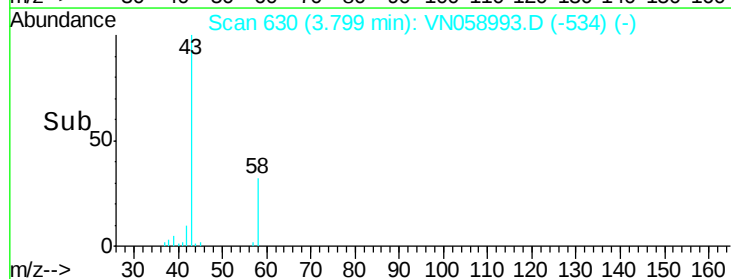
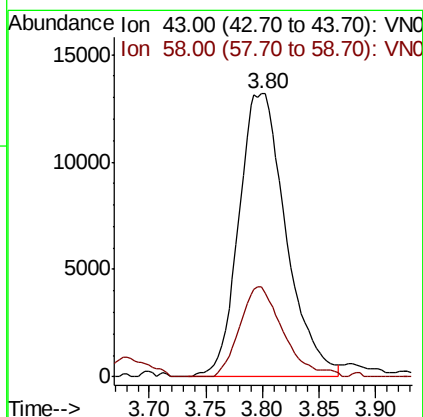
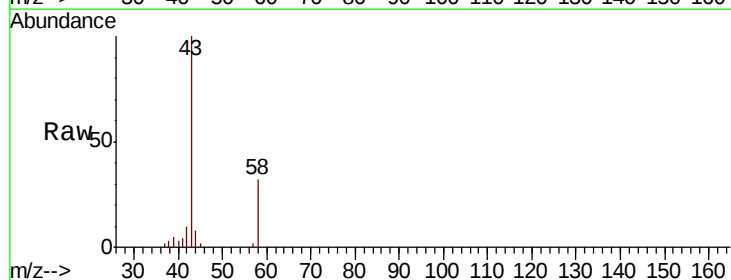
Instrument :
 MSVOA_N
 ClientSampled :

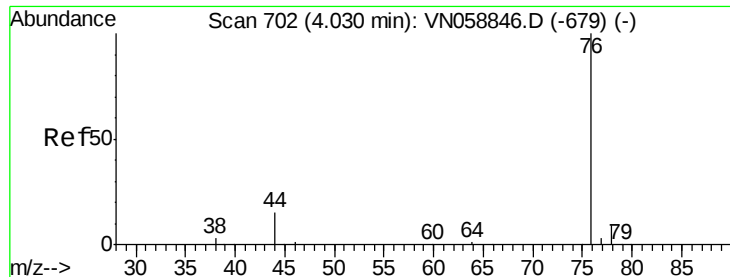
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.2	55.9	83.9#
76	0.0	24.1	36.1#



#16
 Acetone
 Concen: 14.228 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	23.1	34.7

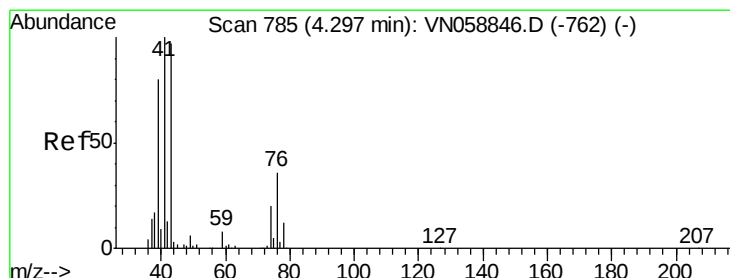
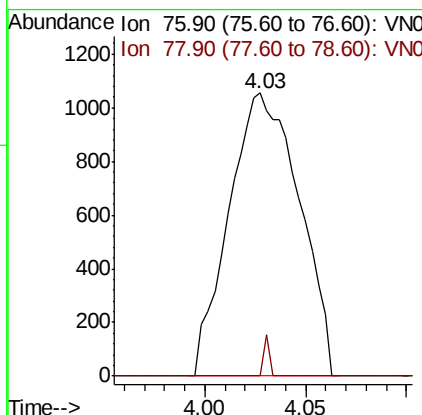
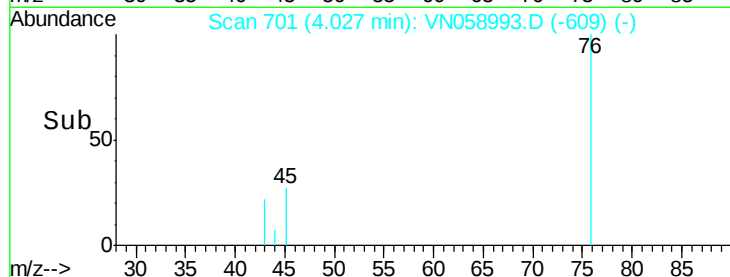
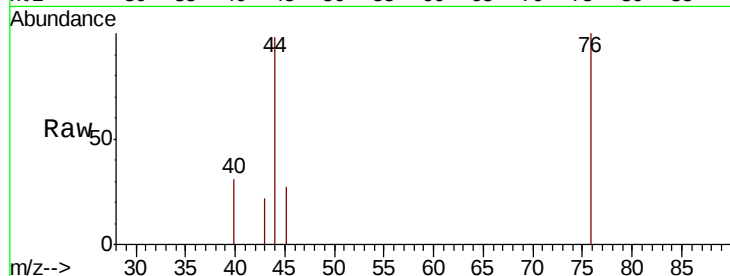




#17
Carbon Disulfide
Concen: 0.216 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

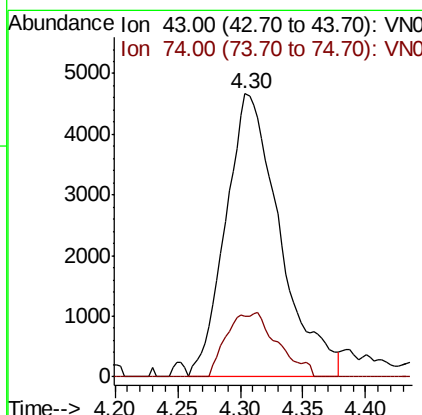
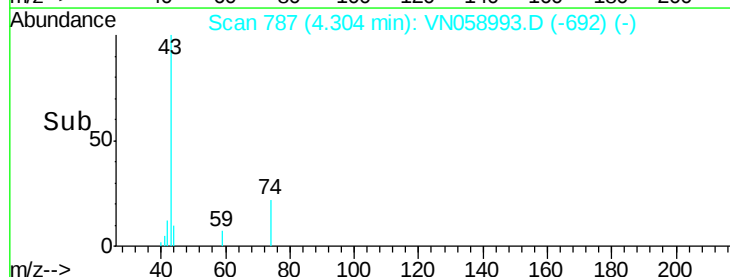
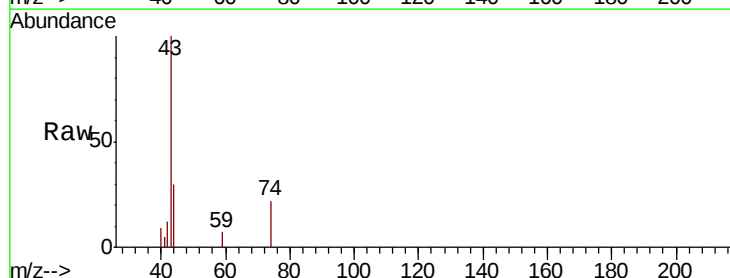
Instrument :
MSVOA_N
ClientSampleId :

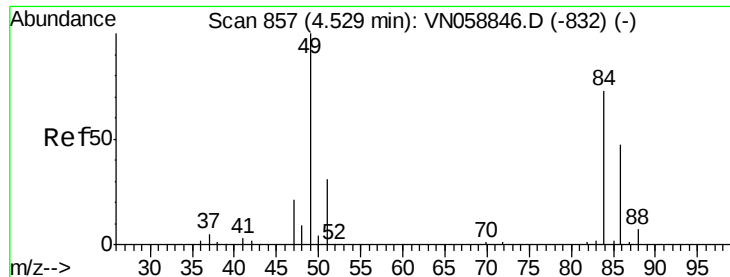
Tot Ion: 76 Resp: 2552
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 2.290 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion: 43 Resp: 14011
Ion Ratio Lower Upper
43 100
74 21.3 17.1 25.7

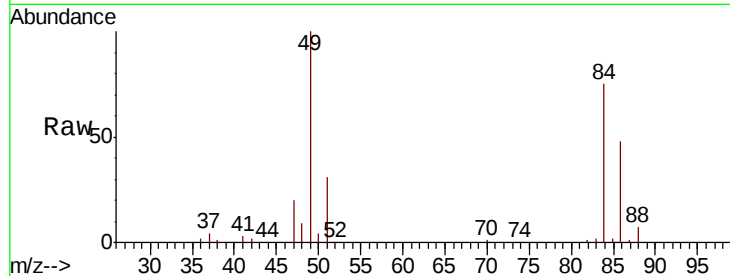




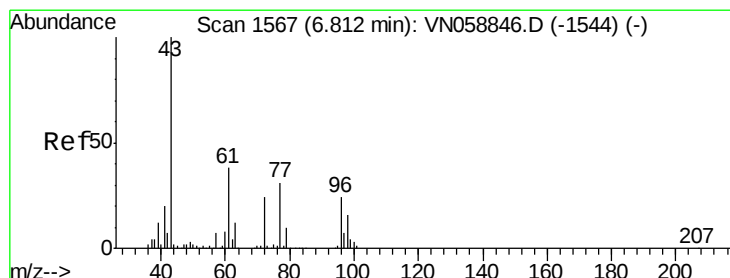
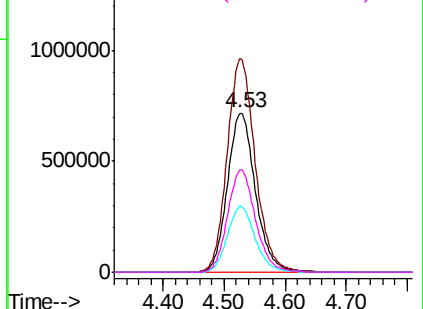
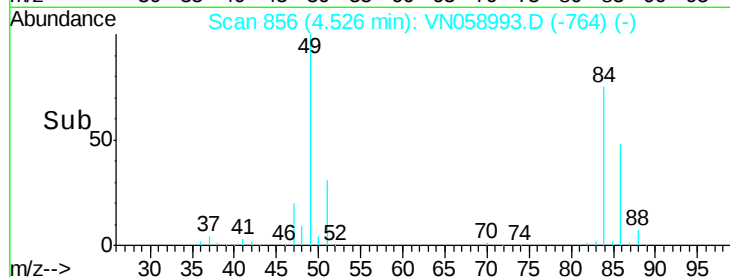
#20
Methvlene Chloride
Concen: 498.338 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 2290200
Ion Ratio Lower Upper
84 100
49 134.0 109.6 164.4
51 41.4 33.8 50.6
86 64.2 51.5 77.3

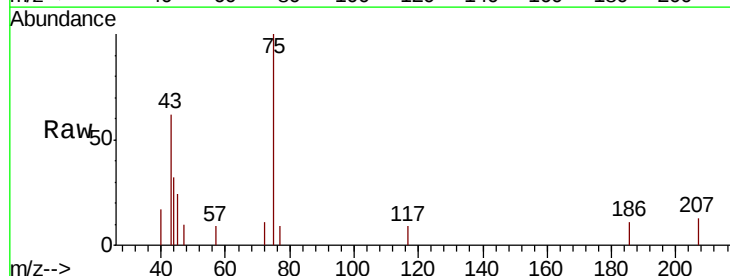


Abundance Ion 83.90 (83.60 to 84.60): VNC
1500000 Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

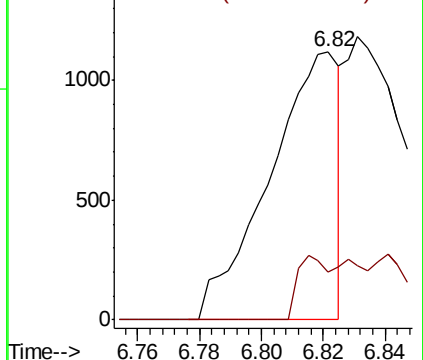
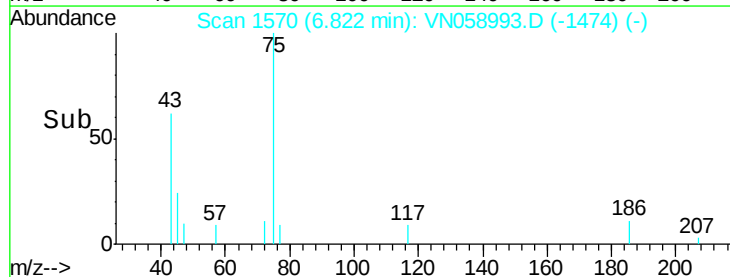


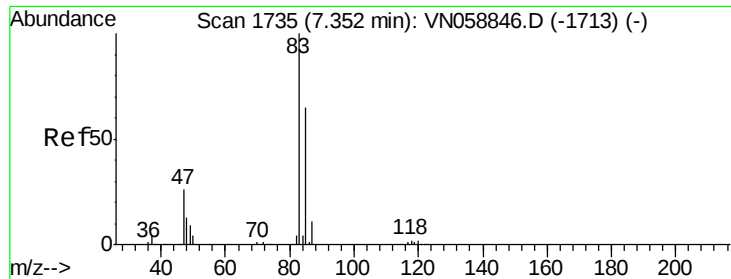
#25
2-Butanone
Concen: 0.501 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
72 17.7 19.1 28.7#



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

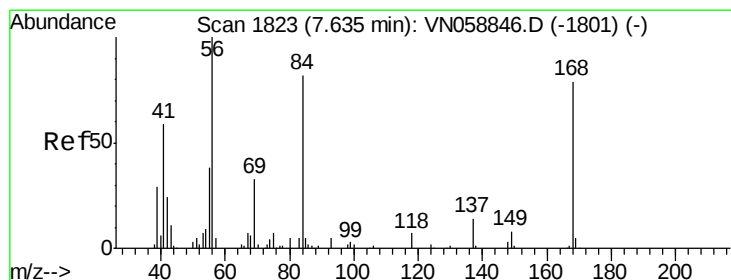
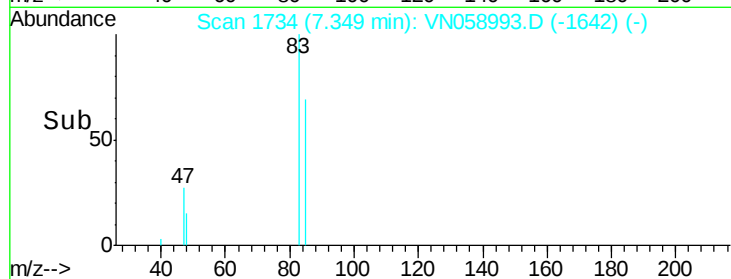
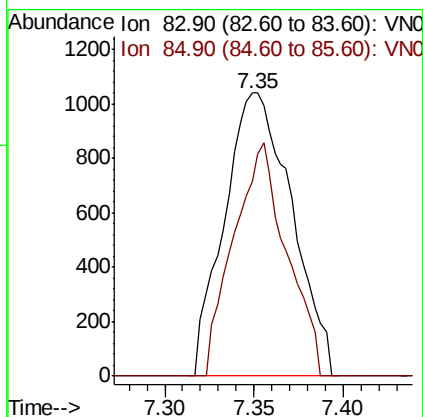
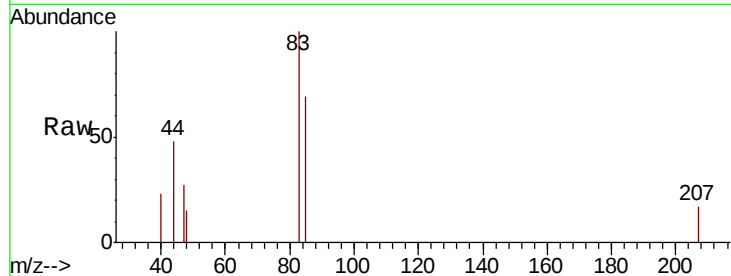




#30
Chloroform
Concen: 0.325 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

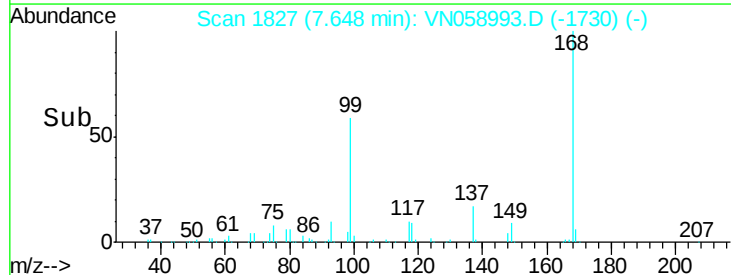
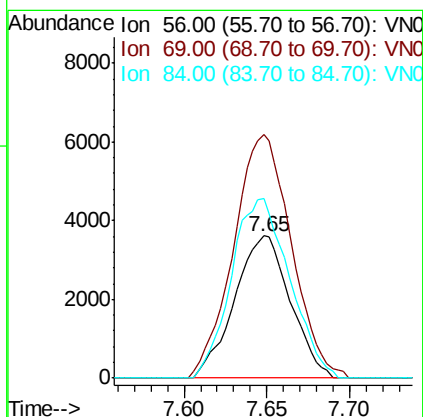
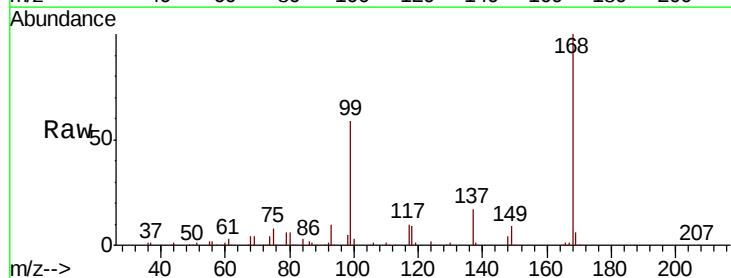
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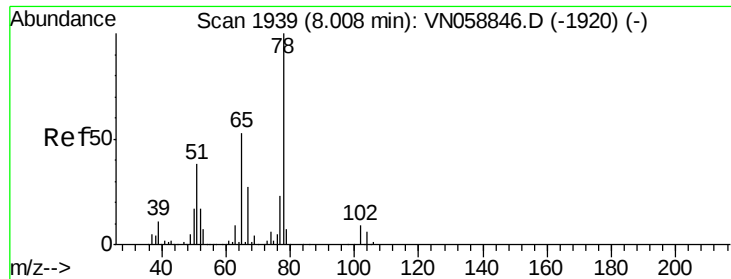
Tot Ion: 83 Resp: 2735
Ion Ratio Lower Upper
83 100
85 69.0 51.9 77.9



#31
Cyclohexane
Concen: 1.078 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion: 56 Resp: 8441
Ion Ratio Lower Upper
56 100
69 171.1 26.2 39.4#
84 125.8 65.6 98.4#

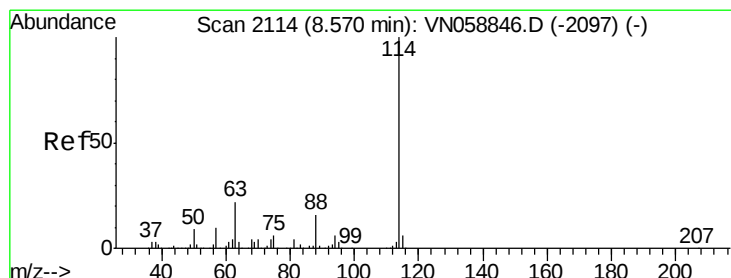
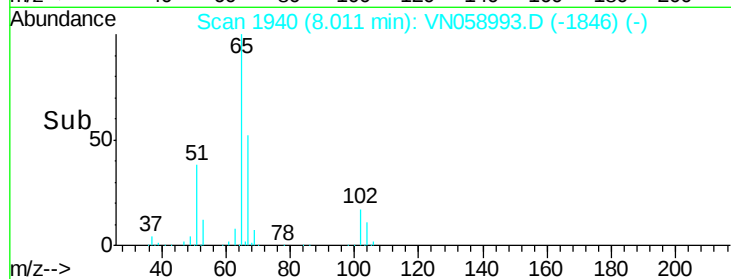
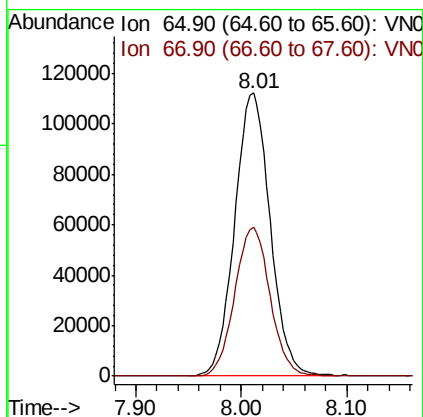
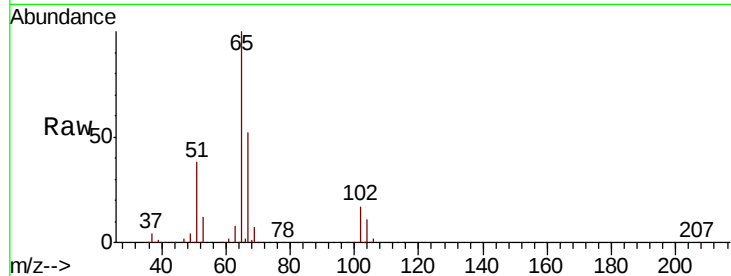




#33
 1,2-Dichloroethane-d4
 Concen: 48.106 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

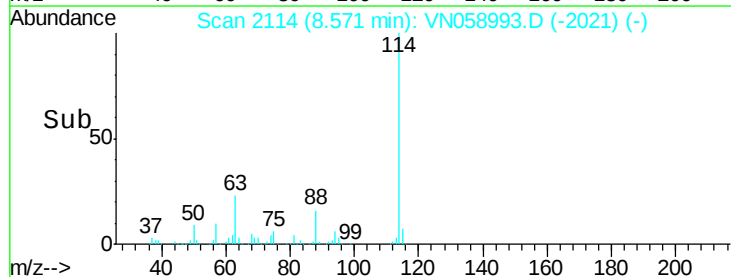
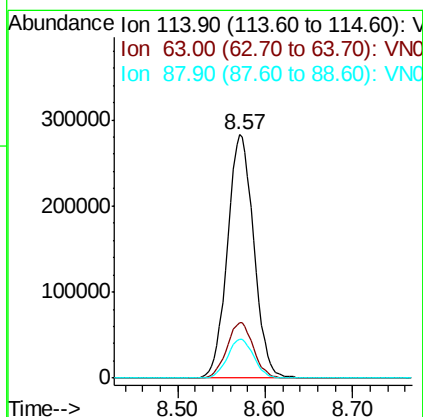
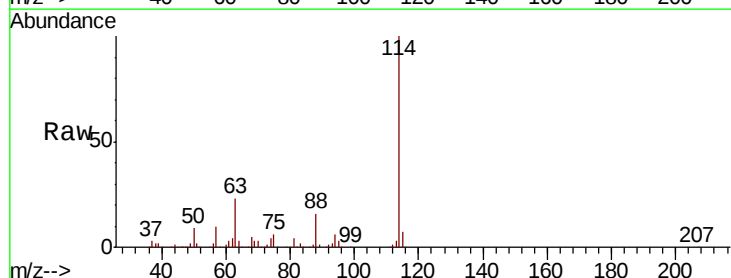
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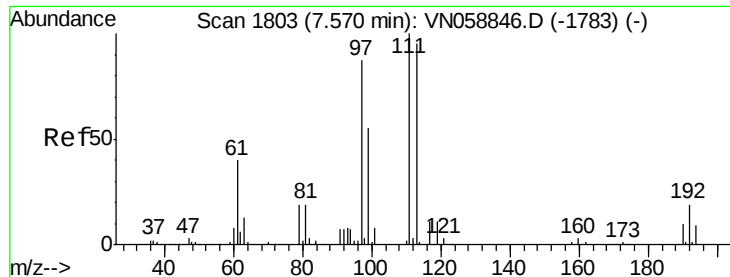
Tot Ion: 65 Resp: 262018
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

Tgt Ion: 114 Resp: 590361
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.4
 88 16.2 0.0 31.4

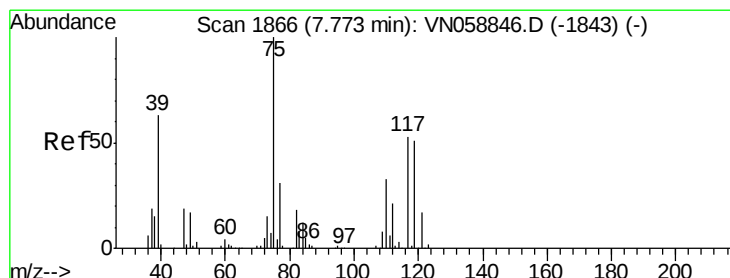
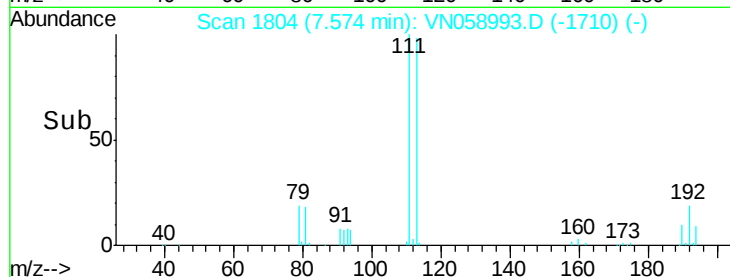
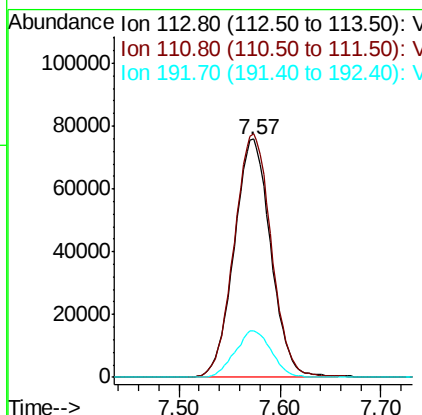
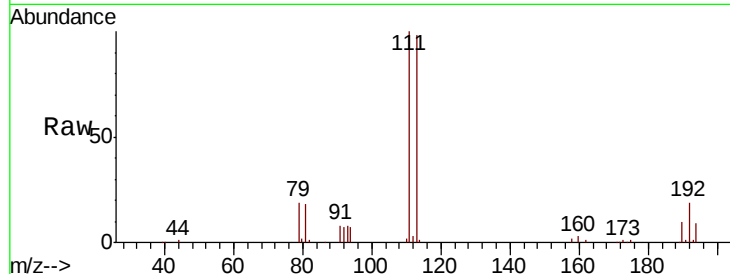




#35
Dibromofluoromethane
Concen: 49.189 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

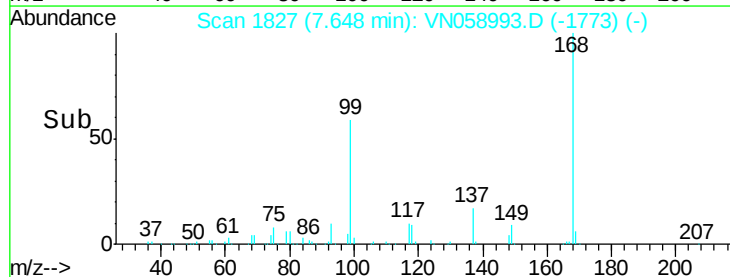
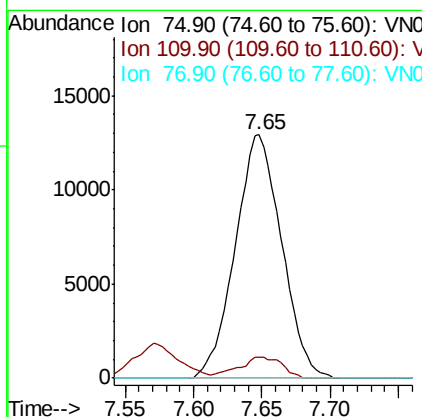
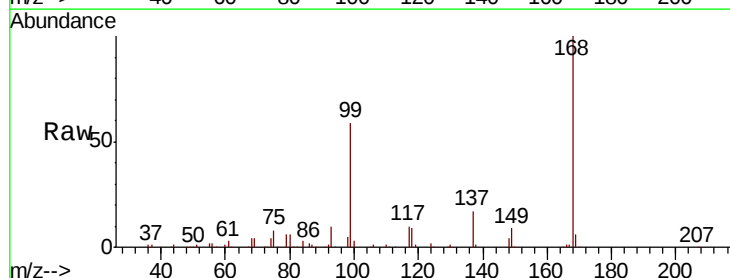
Instrument :
MSVOA_N
ClientSampled :

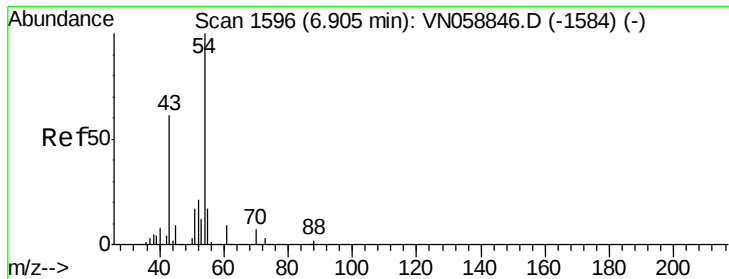
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.0	123.0
192	19.3	15.0	22.6



#36
1,1-Dichloropropene
Concen: 5.042 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.13 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	16.3	48.9#
77	0.0	24.6	36.8#

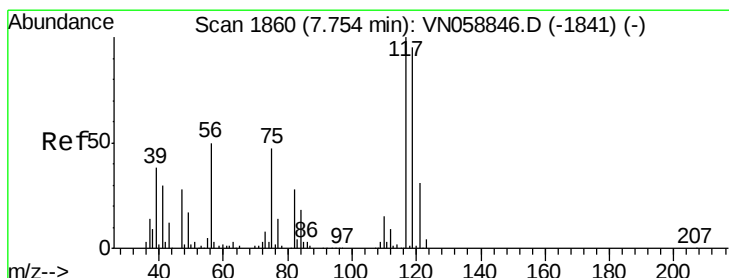
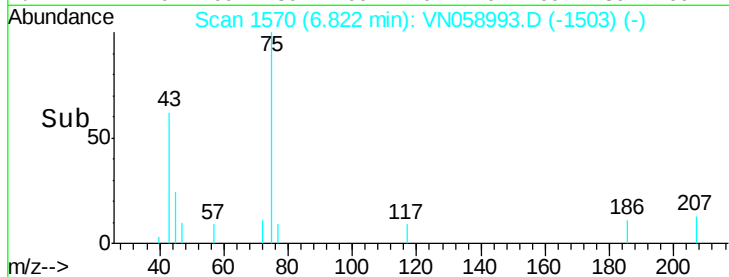
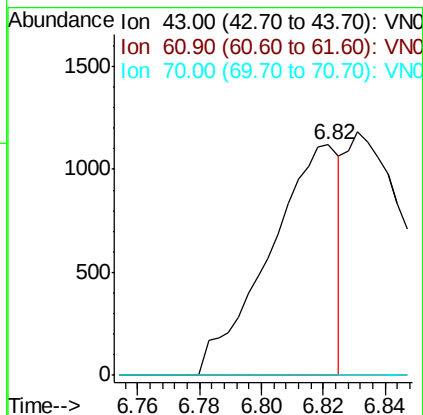
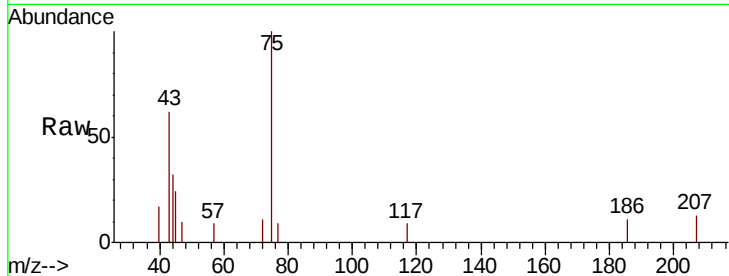




#37
Ethyl Acetate
Concen: 0.266 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.08 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

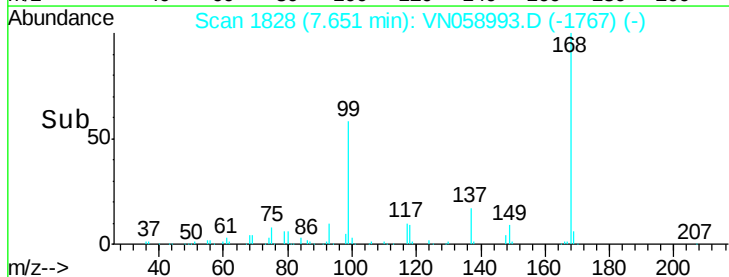
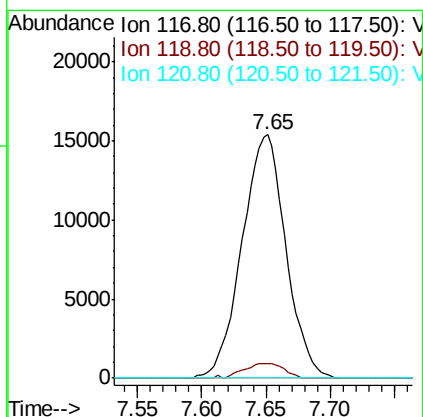
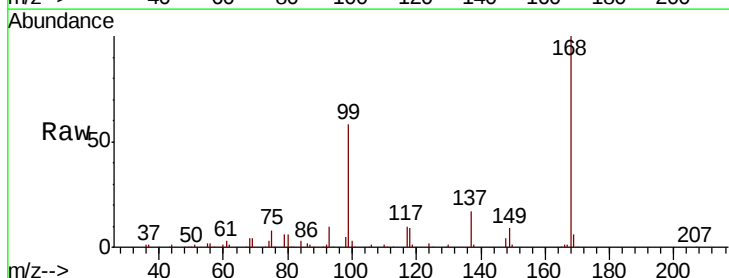
Instrument :
MSVOA_N
ClientSampleId :

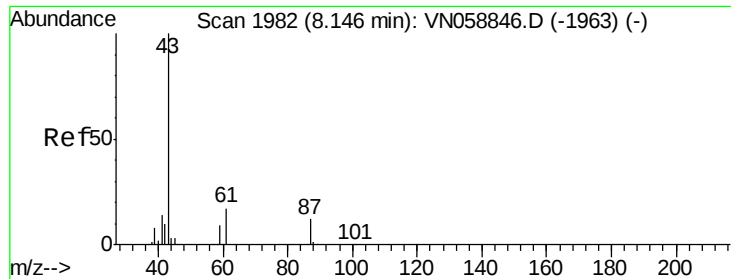
Tot Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
61 0.0 10.5 15.7#
70 0.0 7.6 11.4#



#38
Carbon Tetrachloride
Concen: 5.849 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.10 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion: 117 Resp: 36418
Ion Ratio Lower Upper
117 100
119 5.9 75.7 113.5#
121 0.0 25.0 37.6#



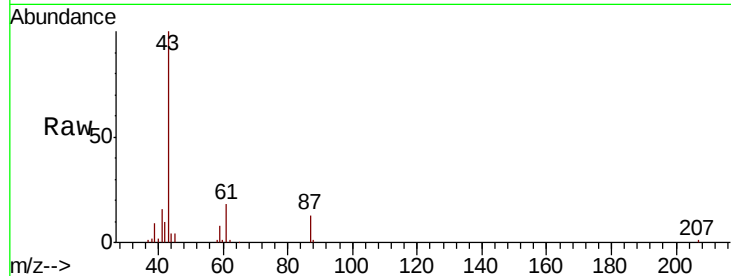


#43

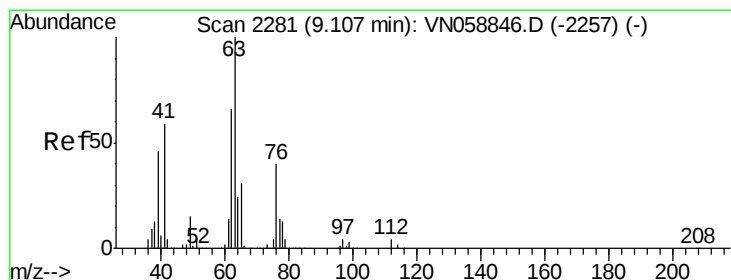
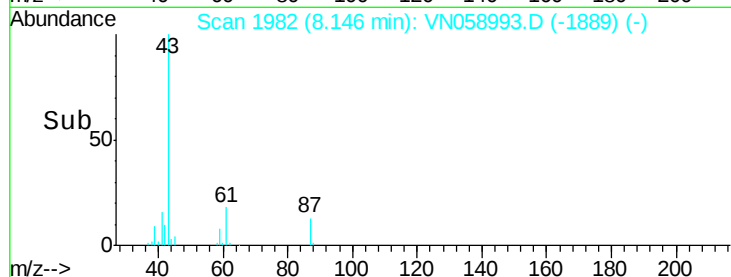
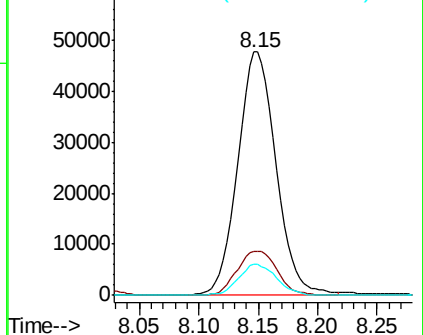
Isopropyl Acetate
 Concen: 10.098 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 106657
 Ion Ratio Lower Upper
 43 100
 61 19.1 20.2 30.2#
 87 12.6 9.5 14.3



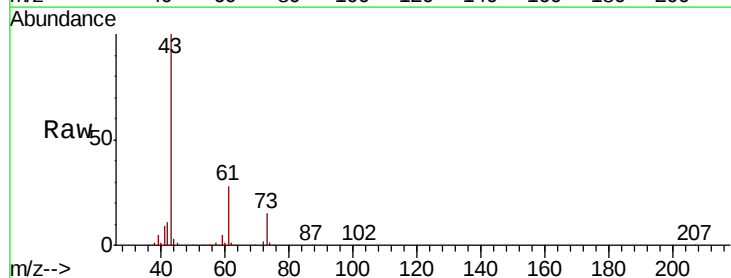
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



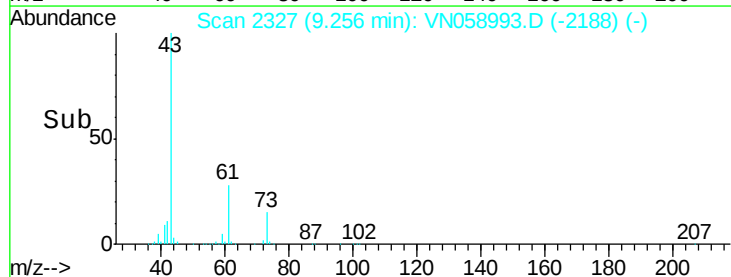
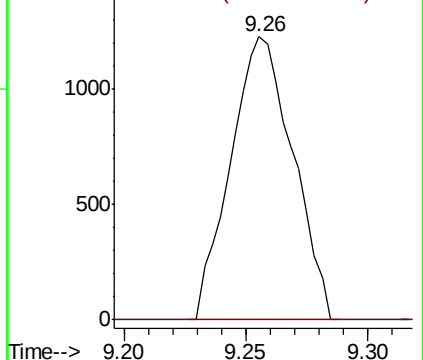
#45

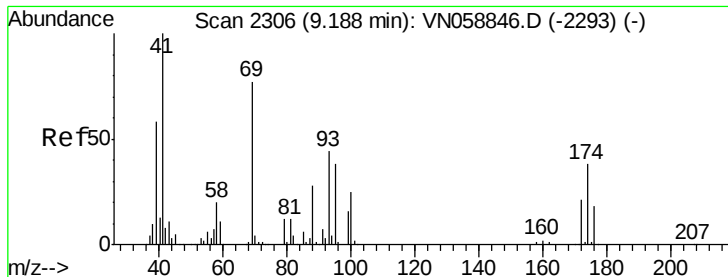
1,2-Dichloropropane
 Concen: 0.447 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.15 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

Tgt Ion: 63 Resp: 2174
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.5 36.7#



Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 64.90 (64.60 to 65.60): VN0

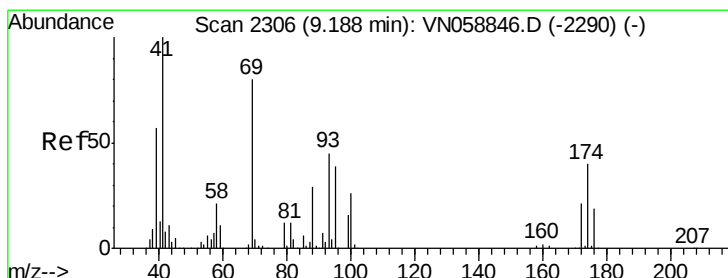
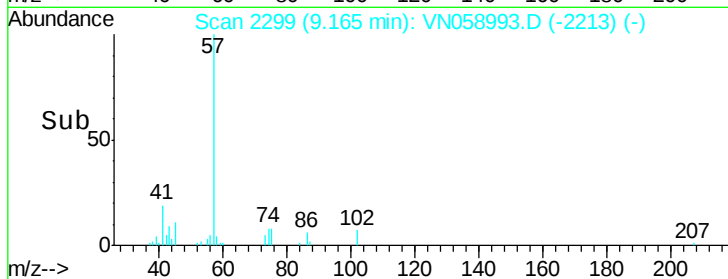
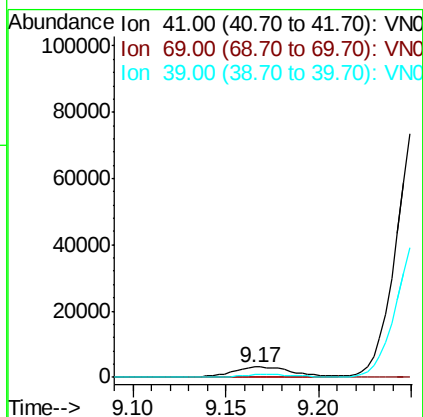
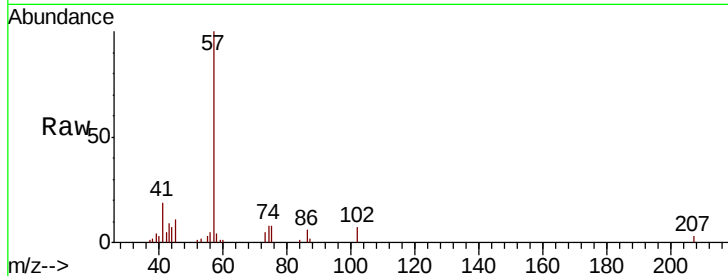




#48
Methvl methacrylate
Concen: 1.345 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

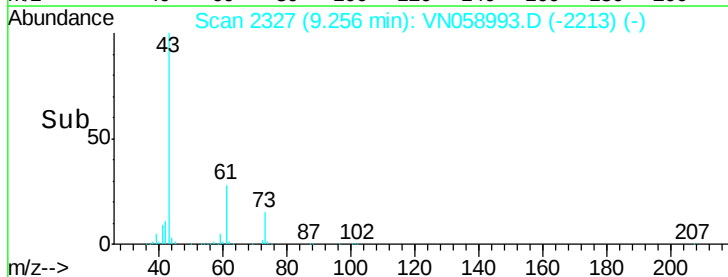
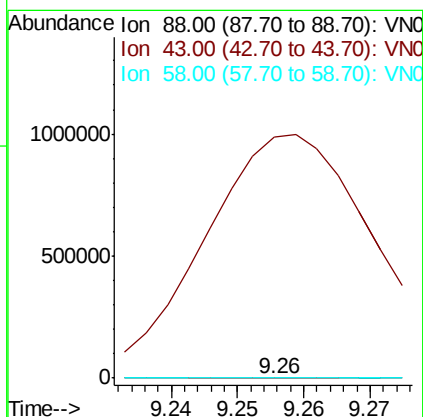
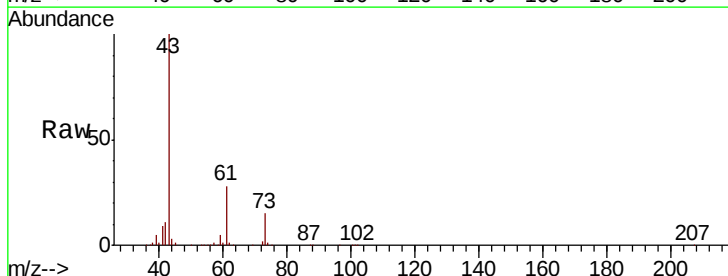
Instrument :
MSVOA_N
ClientSampled :

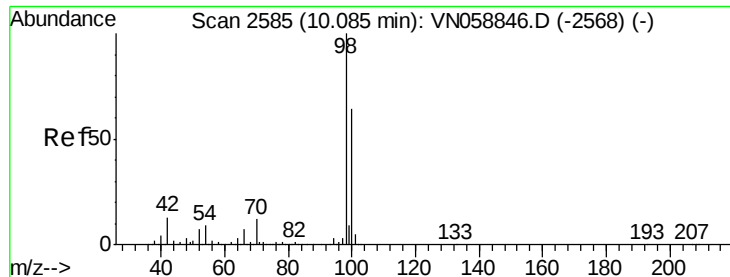
Tot Ion: 41 Resp: 6446
Ion Ratio Lower Upper
41 100
69 0.0 63.8 95.6#
39 0.0 47.8 71.8#



#49
1,4-Dioxane
Concen: 2.098 ug/l
RT: 9.26 min Scan# 2327
Delta R.T. 0.07 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion: 88 Resp: 165
Ion Ratio Lower Upper
88 100
43 1117330.9 29.1 43.7#
58 5200.6 59.4 89.0#





#50

Toluene-d8

Concen: 50.723 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

Instrument :

MSVOA_N

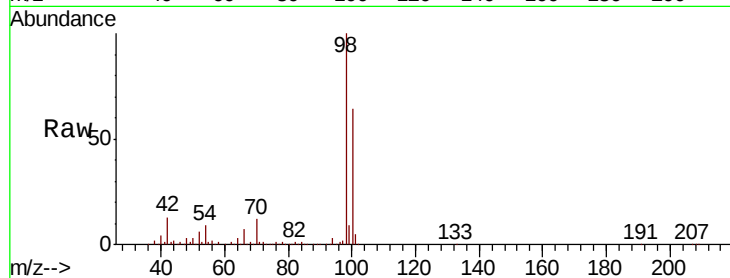
ClientSampleId :

Tot Ion: 98 Resp: 764260

Ion Ratio Lower Upper

98 100

100 64.5 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

400000

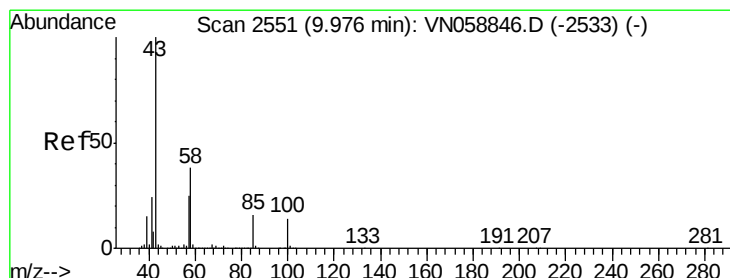
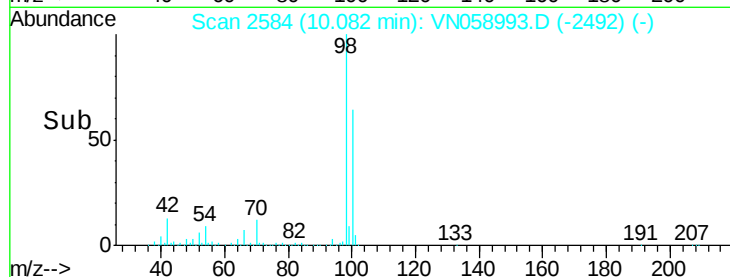
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.310 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058993.D

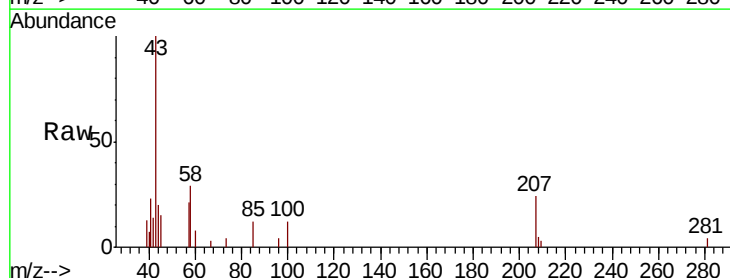
Acq: 28 Oct 2019 13:28

Tgt Ion: 43 Resp: 8079

Ion Ratio Lower Upper

43 100

58 34.4 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

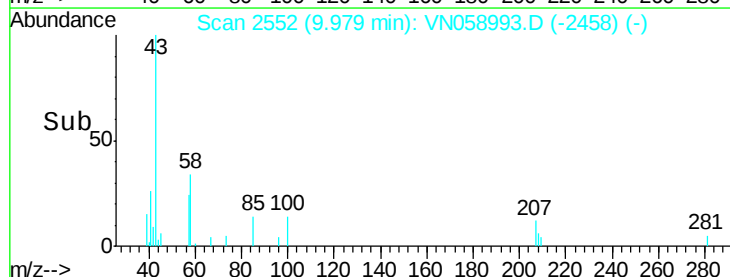
Ion 58.00 (57.70 to 58.70): VN0

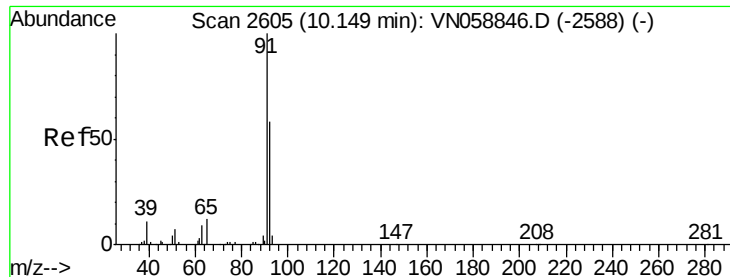
10000

5000

0

Time-->





#52

Toluene

Concen: 0.796 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

Instrument :

MSVOA_N

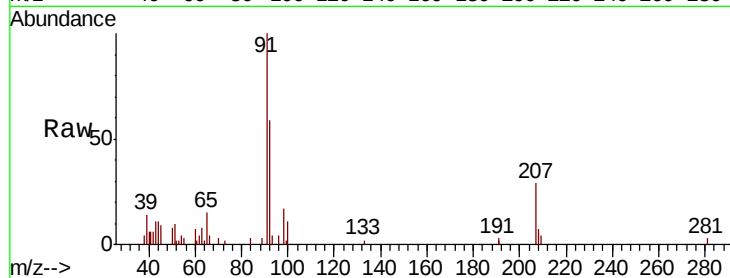
ClientSampleId :

Tot Ion: 92 Resp: 8378

Ion Ratio Lower Upper

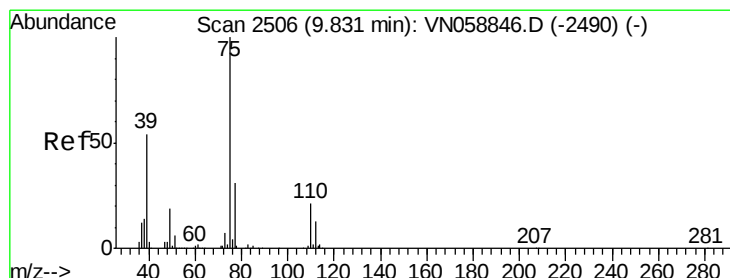
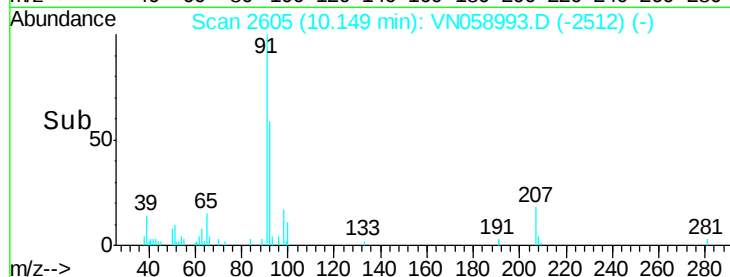
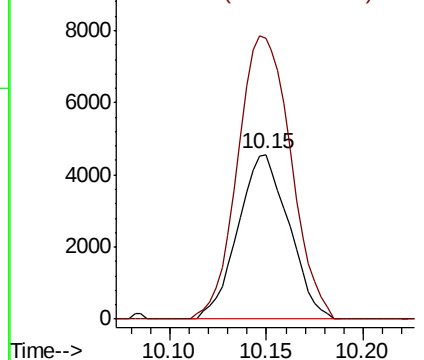
92 100

91 179.2 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.010 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.07 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

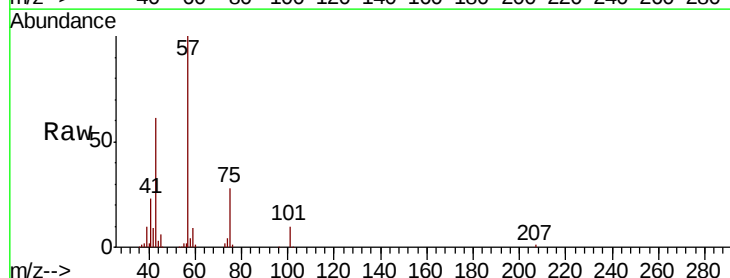
Tgt Ion: 75 Resp: 45076

Ion Ratio Lower Upper

75 100

77 0.0 24.7 37.1#

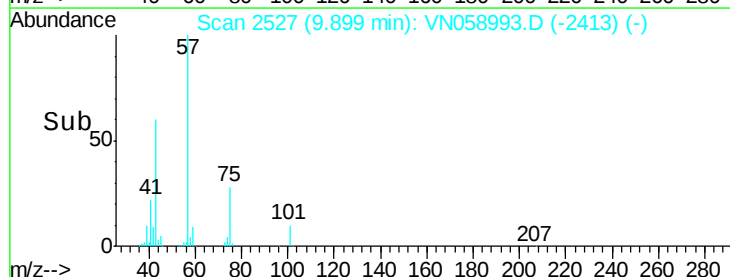
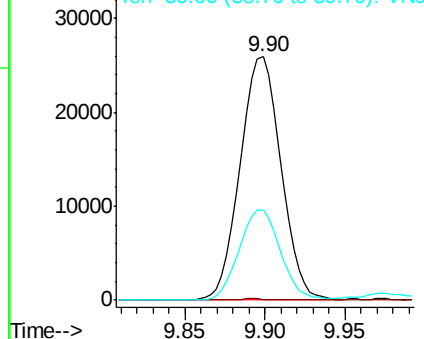
39 36.9 43.5 65.3#

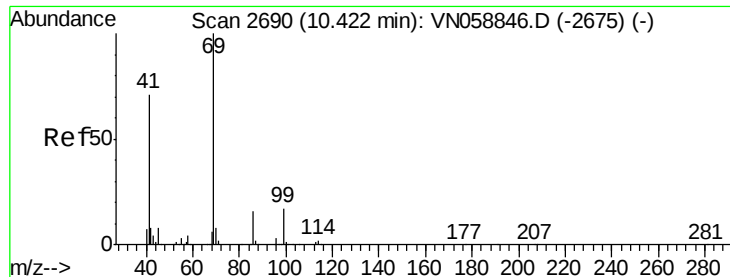


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.388 ug/l

RT: 10.54 min Scan# 2726

Delta R.T. 0.12 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

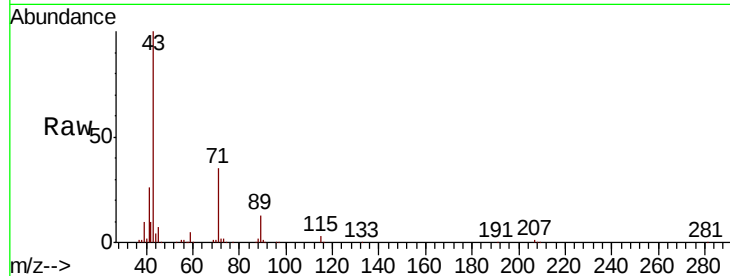
Tot Ion: 69 Resp: 2206

Ion Ratio Lower Upper

69 100

41 4398.7 57.2 85.8#

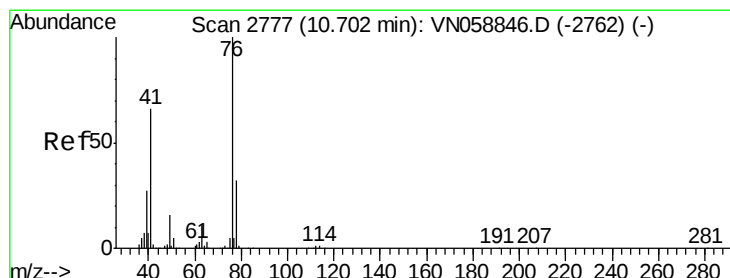
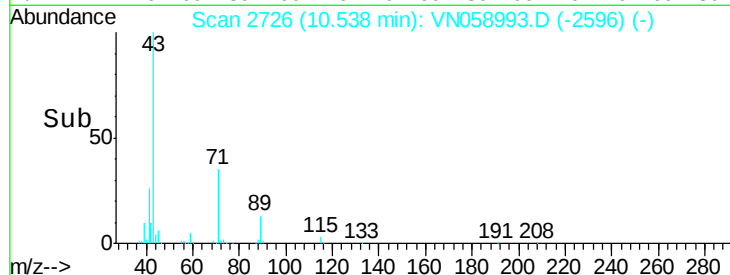
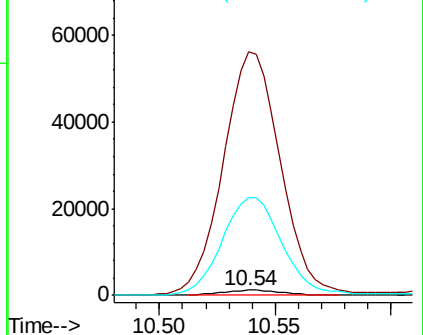
39 1857.1 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VN058846.D (-2675) (-)

Ion 41.00 (40.70 to 41.70): VN058846.D (-2675) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2675) (-)



#57

1,3-Dichloropropane

Concen: 0.950 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN058993.D

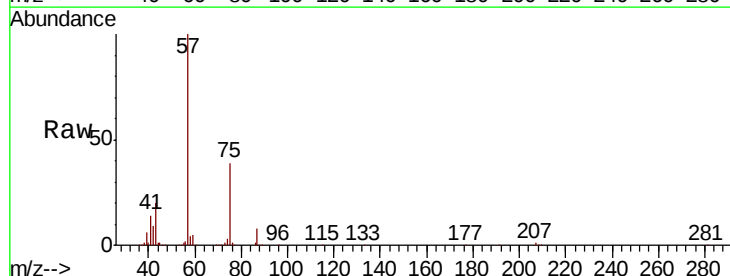
Acq: 28 Oct 2019 13:28

Tgt Ion: 76 Resp: 7233

Ion Ratio Lower Upper

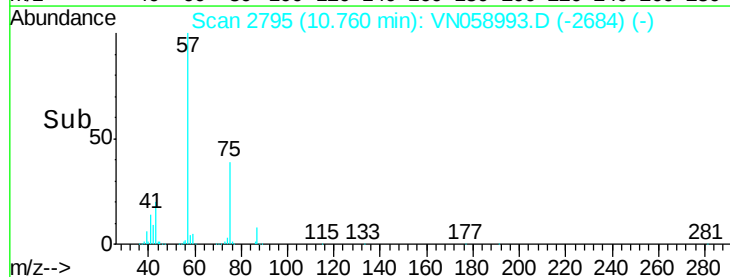
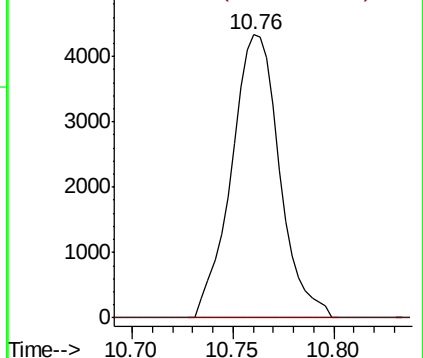
76 100

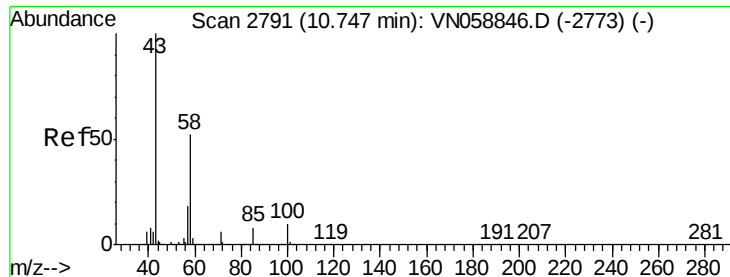
78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-2762) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-2762) (-)

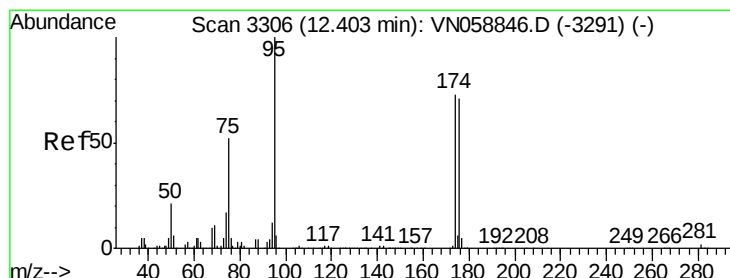
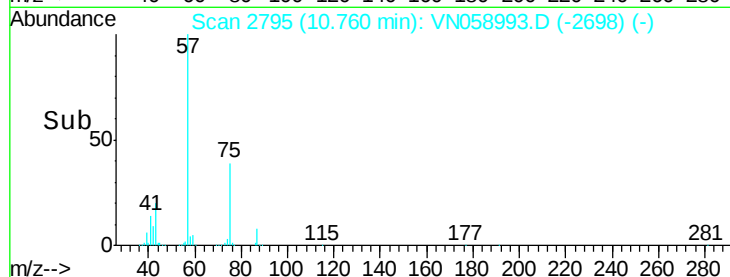
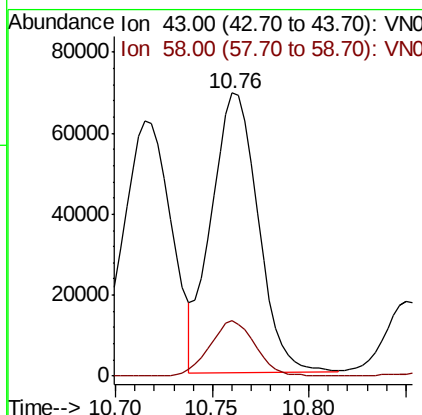
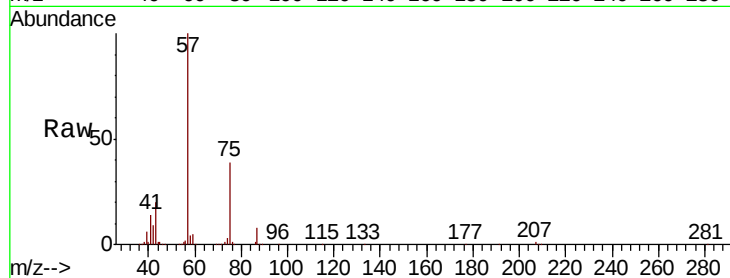




#59
2-Hexanone
Concen: 24.448 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

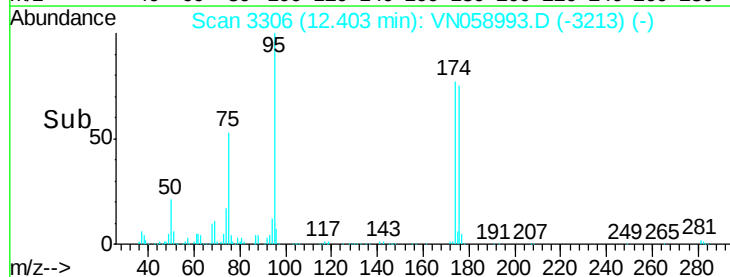
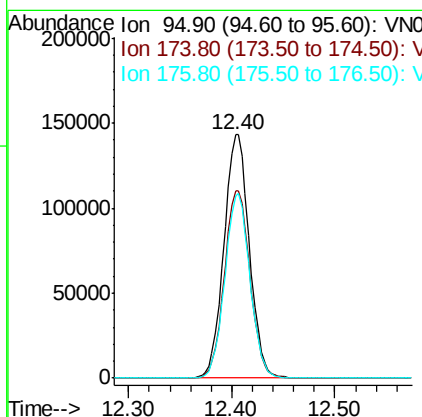
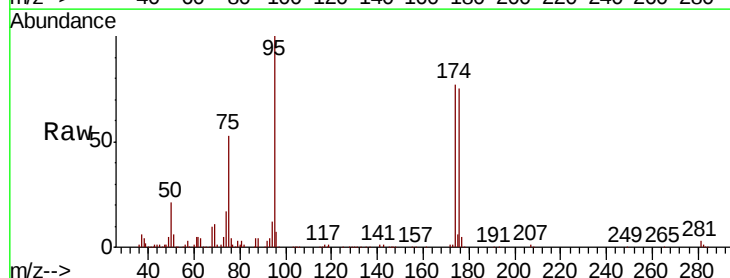
Instrument :
MSVOA_N
ClientSampleId :

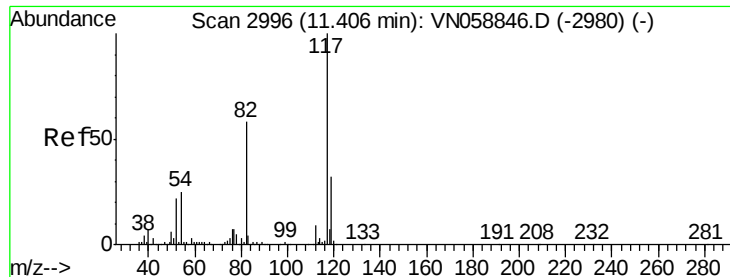
Tot Ion: 43 Resp: 116546
Ion Ratio Lower Upper
43 100
58 19.4 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 44.464 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion: 95 Resp: 246025
Ion Ratio Lower Upper
95 100
174 77.6 0.0 147.6
176 74.9 0.0 143.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

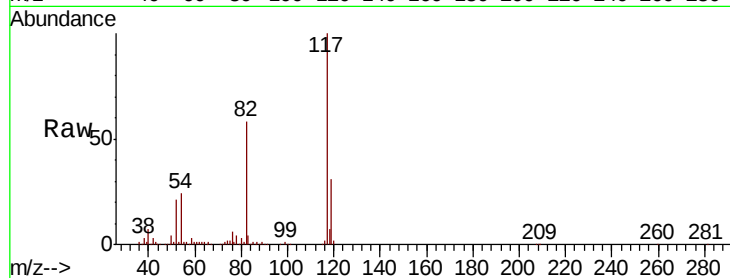
Tot Ion:117 Resp: 555069

Ion Ratio Lower Upper

117 100

82 58.1 46.6 69.8

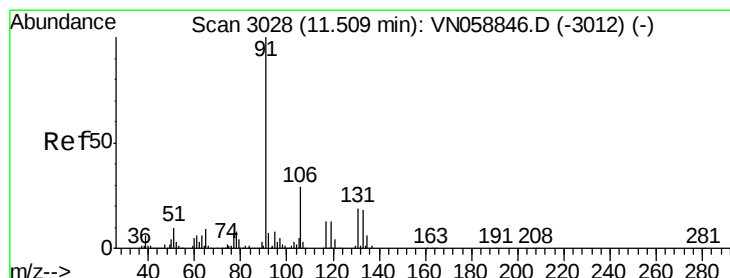
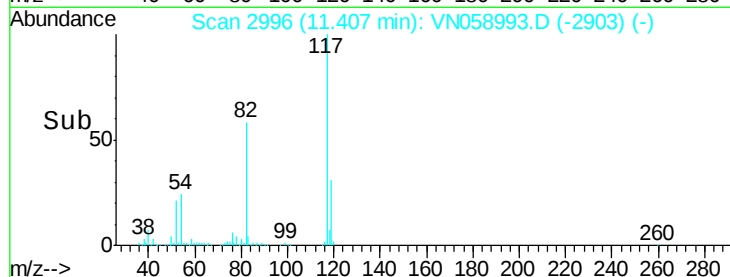
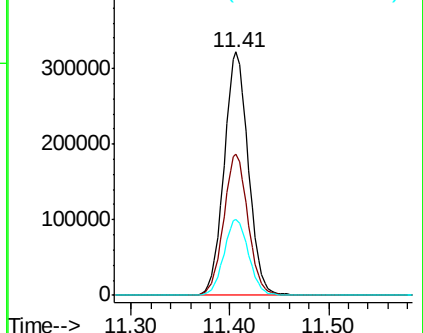
119 31.4 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 0.783 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058993.D

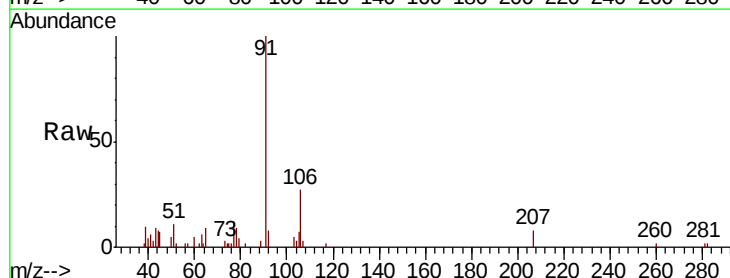
Acq: 28 Oct 2019 13:28

Tgt Ion: 91 Resp: 15530

Ion Ratio Lower Upper

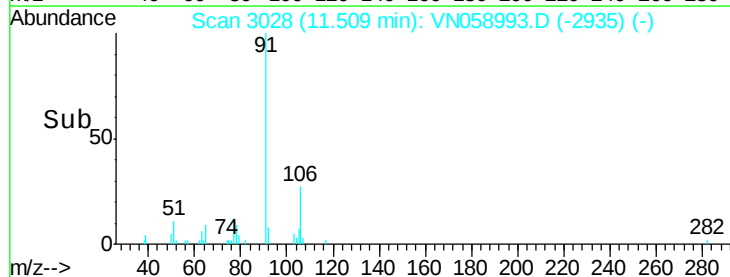
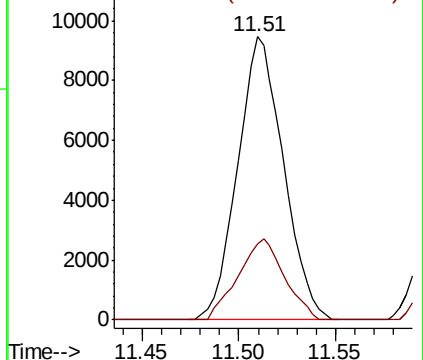
91 100

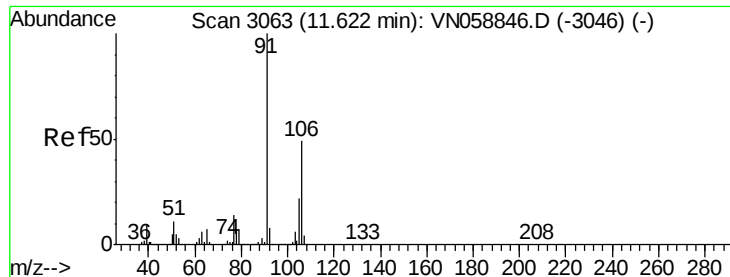
106 27.0 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

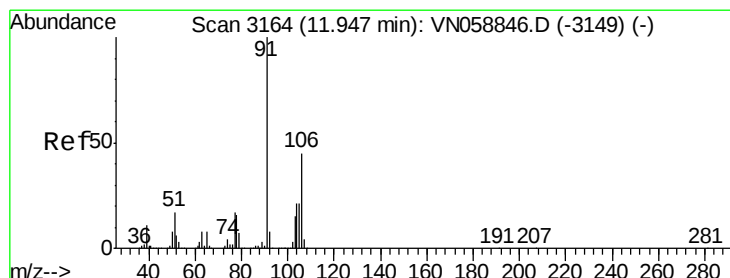
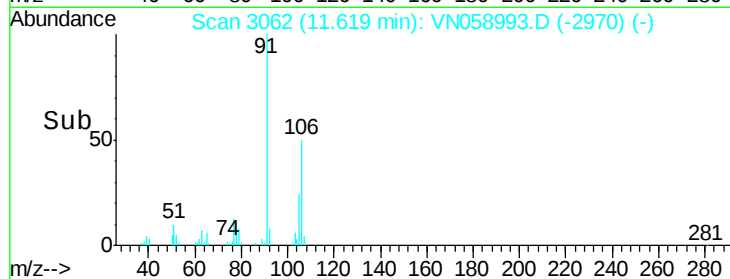
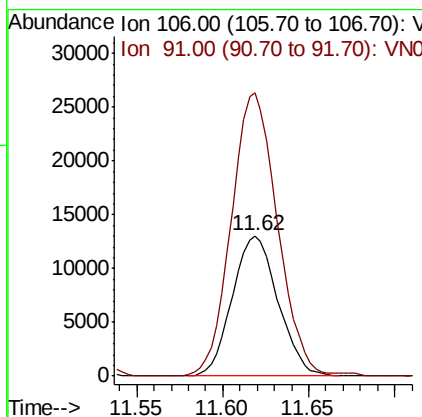
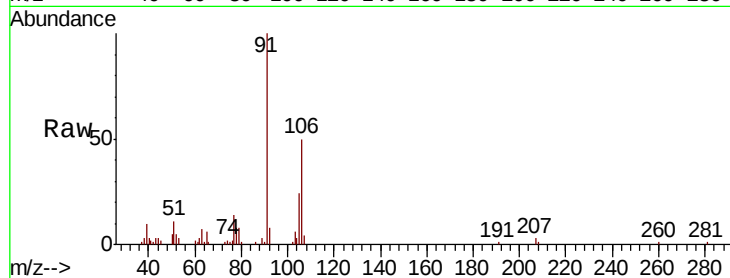




#68
m/p-Xylenes
Concen: 3.273 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

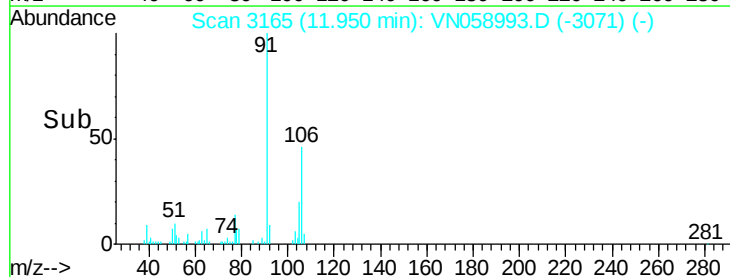
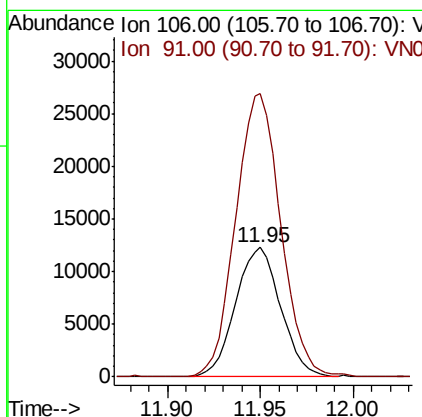
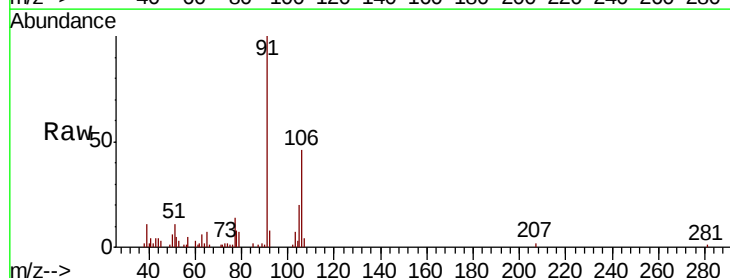
Instrument :
MSVOA_N
ClientSampleId :

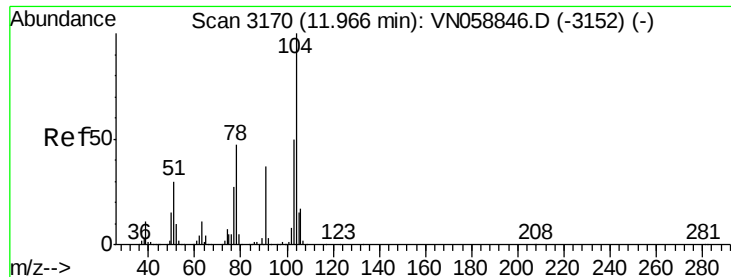
Tot Ion:106 Resp: 24060
Ion Ratio Lower Upper
106 100
91 203.4 166.6 249.8



#69
o-Xylene
Concen: 2.961 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion:106 Resp: 20763
Ion Ratio Lower Upper
106 100
91 218.8 111.5 334.4

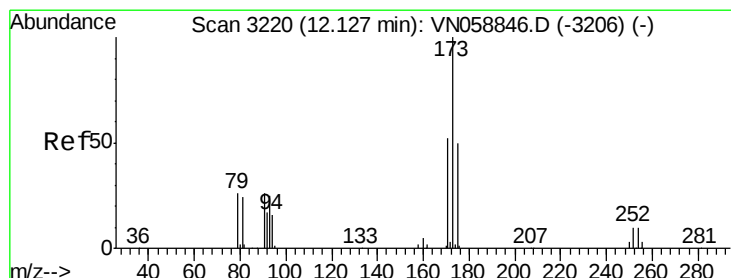
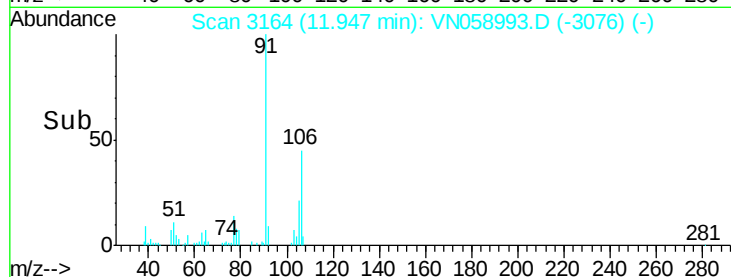
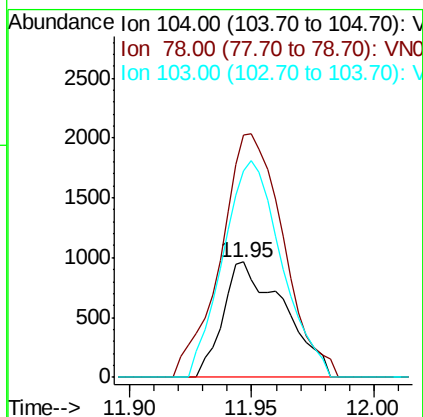
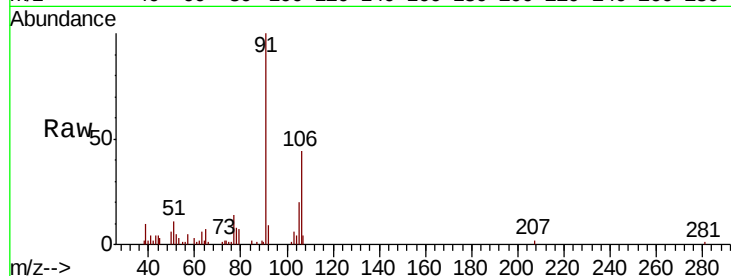




#70
Stvrene
Concen: 1.838 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

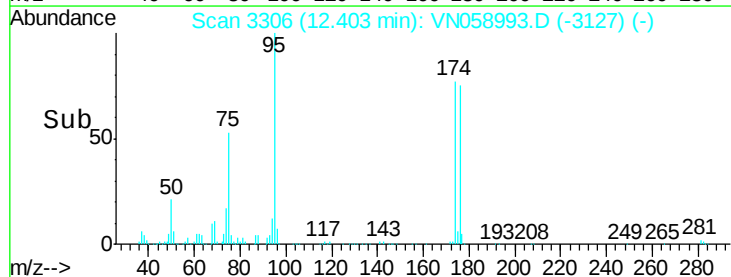
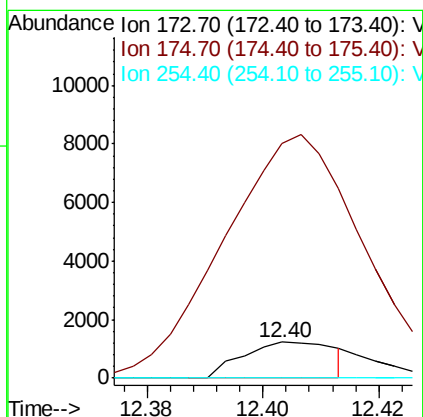
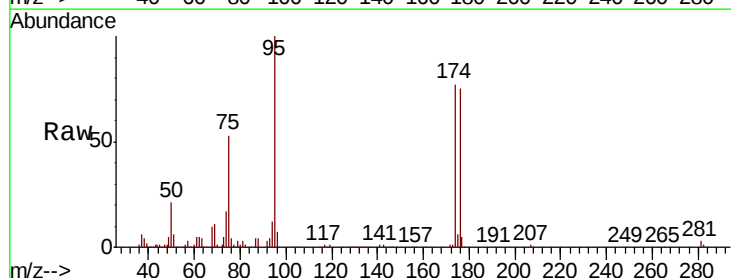
Instrument :
MSVOA_N
ClientSampleId :

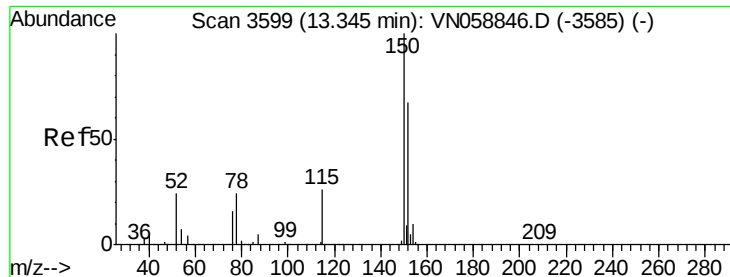
Tot Ion:104 Resp: 1668
Ion Ratio Lower Upper
104 100
78 217.4 42.8 64.2#
103 180.9 44.3 66.5#



#71
Bromoform
Concen: 0.408 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion:173 Resp: 1350
Ion Ratio Lower Upper
173 100
175 822.1 24.7 74.1#
254 0.0 0.0 0.0



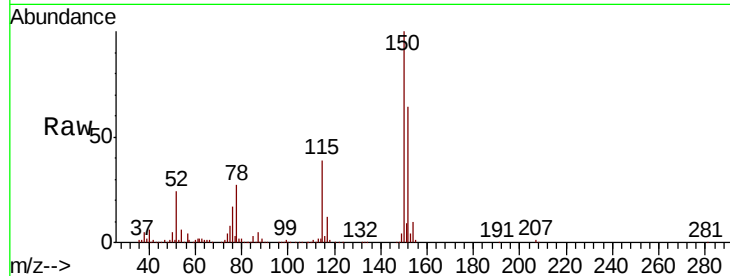


#72

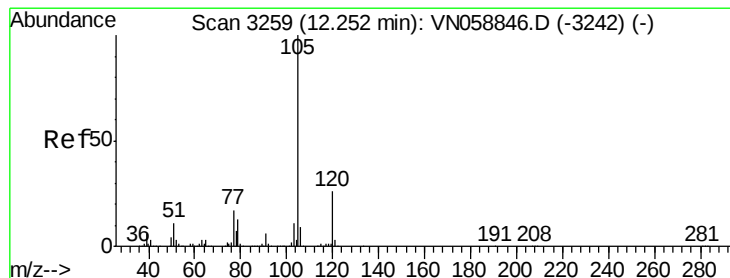
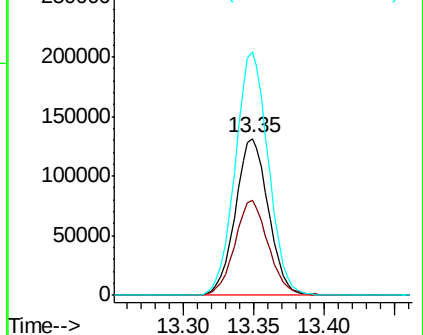
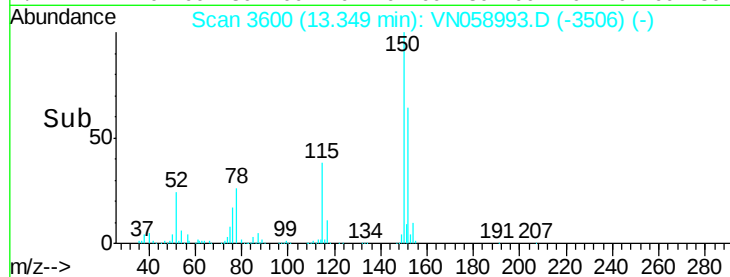
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.5	91.5
150	155.5	0.0	344.4



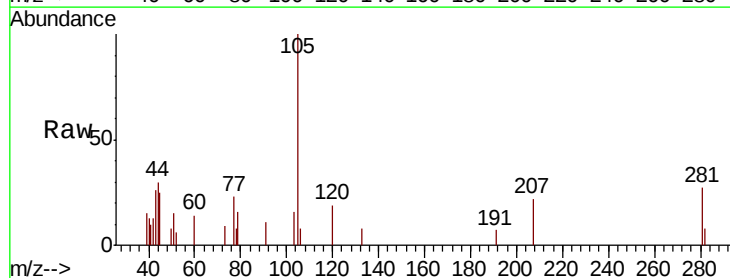
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



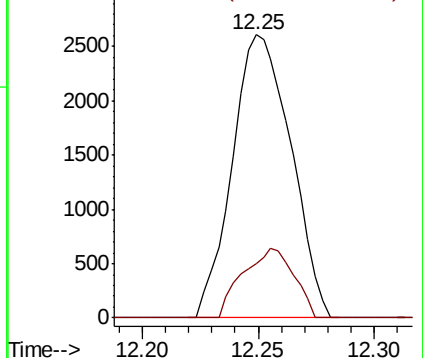
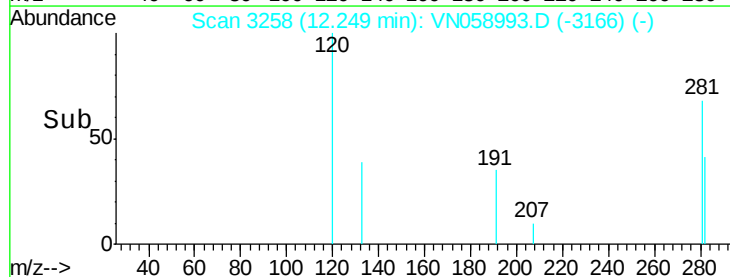
#73

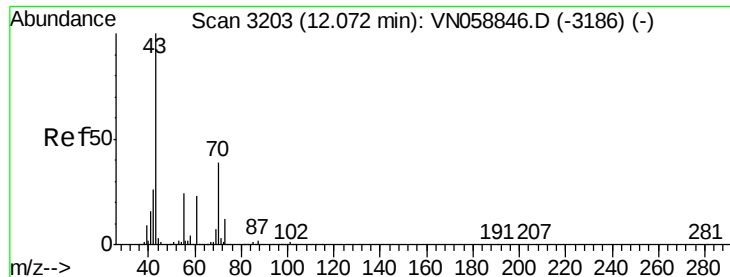
Isopropylbenzene
Concen: 0.290 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN058993.D
Acq: 28 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	21.5	12.8	38.4



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





#74

N-amvl acetate

Concen: 0.756 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 5413

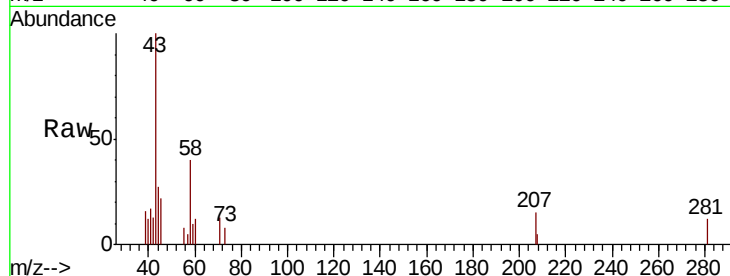
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 9.3 19.7 29.5#

61 0.0 18.2 27.4#



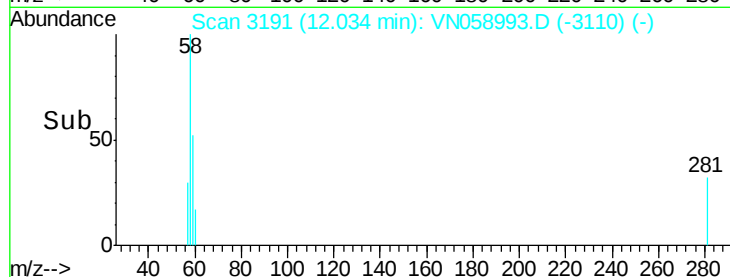
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Time-->



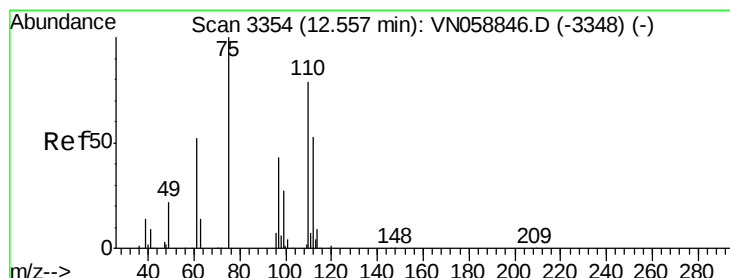
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.852 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058993.D

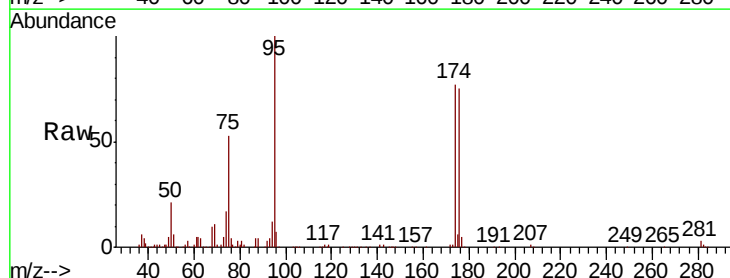
Acq: 28 Oct 2019 13:28

Tgt Ion: 75 Resp: 129462

Ion Ratio Lower Upper

75 100

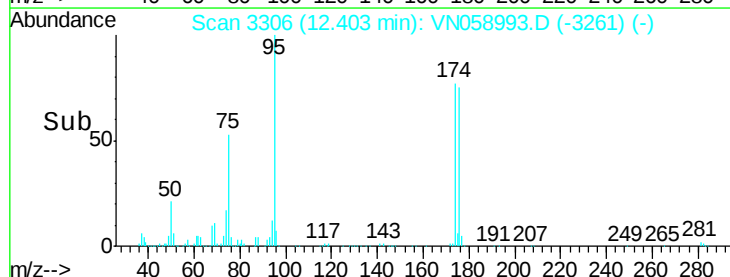
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

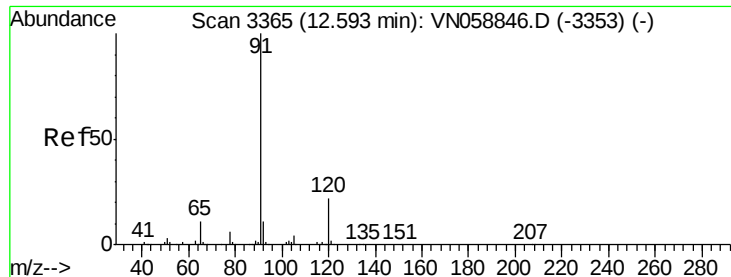
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

Time-->



#78

n-propylbenzene

Concen: 0.862 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

Instrument :

MSVOA_N

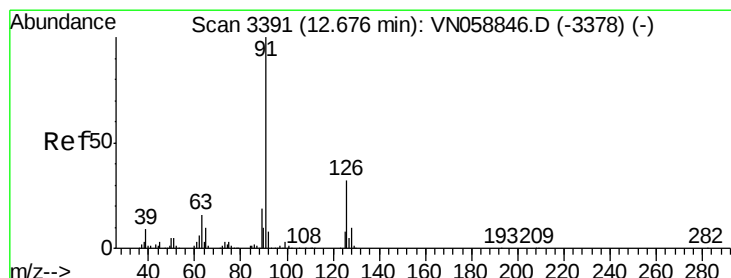
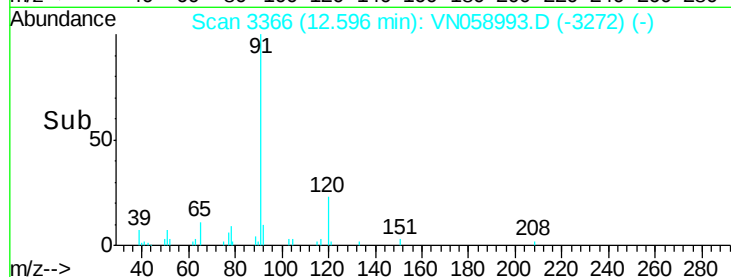
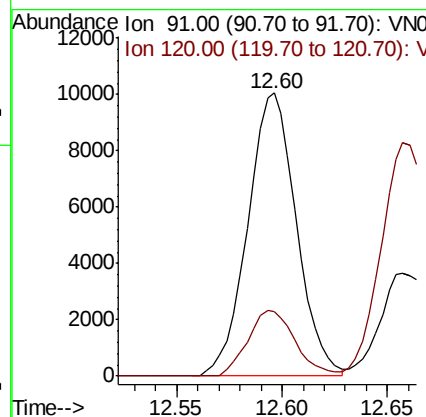
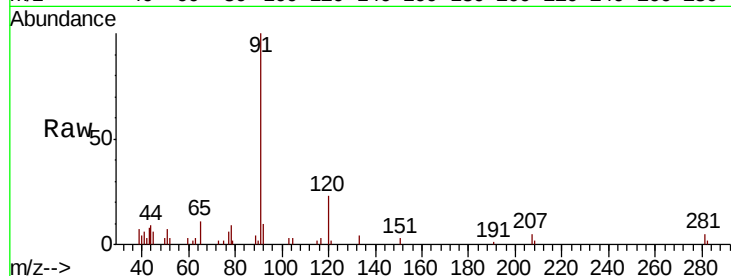
ClientSampled :

Tot Ion: 91 Resp: 16091

Ion Ratio Lower Upper

91 100

120 22.5 11.1 33.1



#79

2-Chlorotoluene

Concen: 0.489 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN058993.D

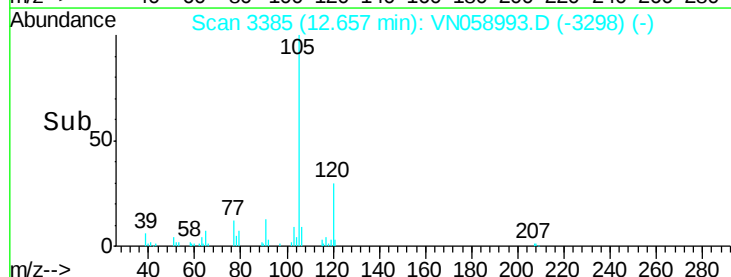
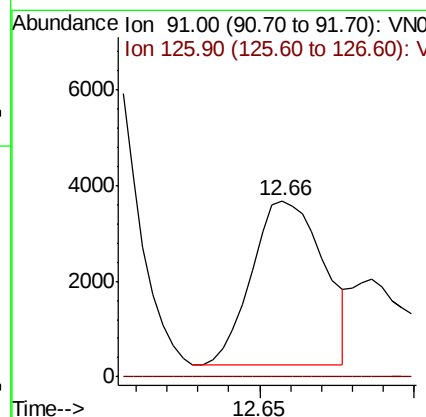
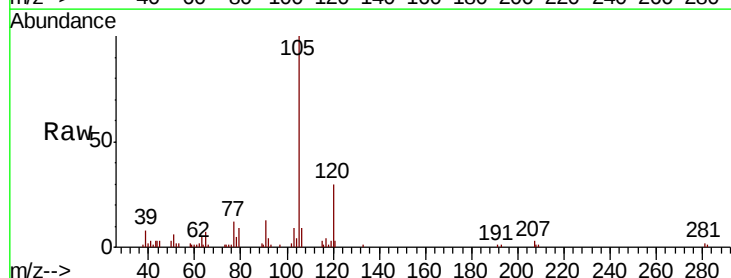
Acq: 28 Oct 2019 13:28

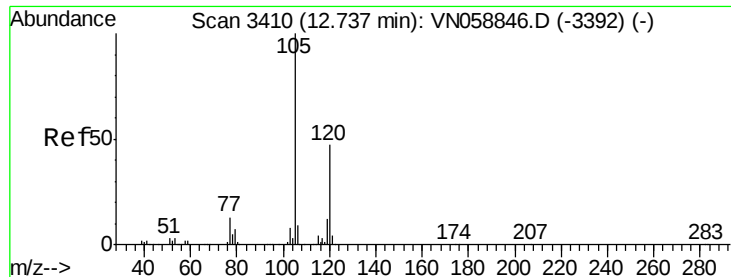
Tgt Ion: 91 Resp: 5581

Ion Ratio Lower Upper

91 100

126 0.0 16.2 48.6#

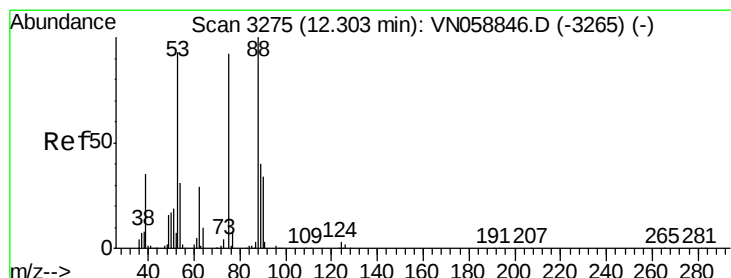
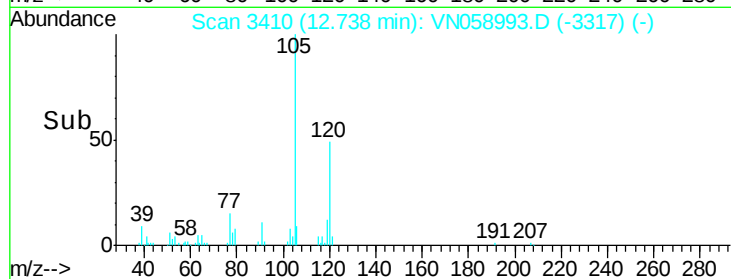
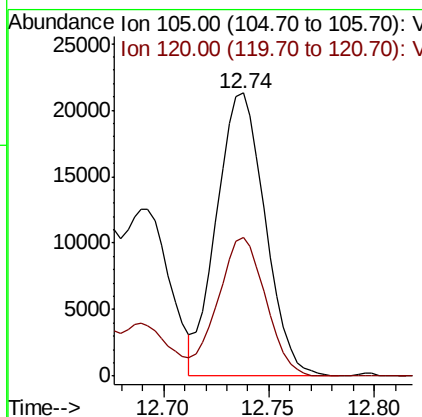
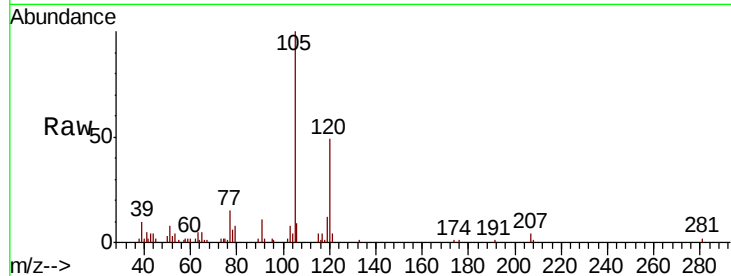




#80
 1,3,5-Trimethylbenzene
 Concen: 2.566 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

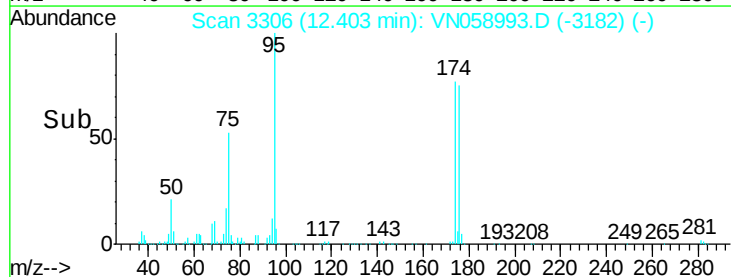
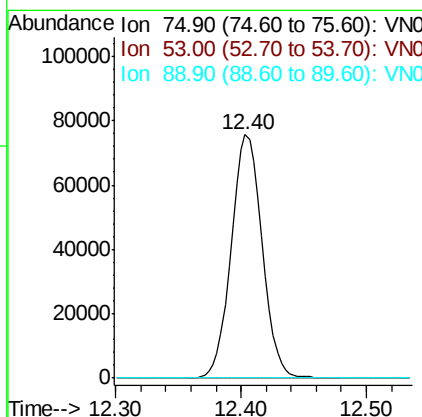
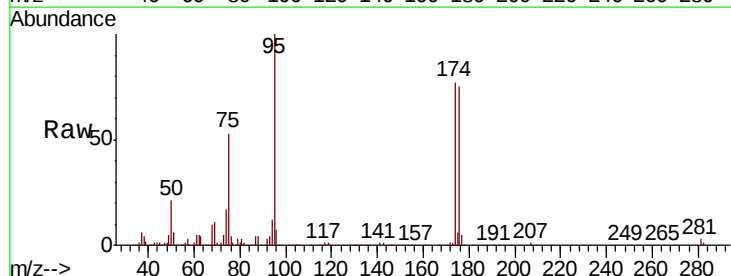
Instrument :
 MSVOA_N
 ClientSampled :

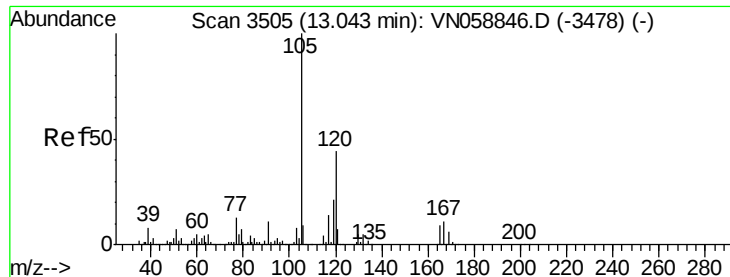
Tot Ion:105 Resp: 34044
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.8 71.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.348 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

Tgt Ion: 75 Resp: 129462
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 118.0#
 89 0.0 35.4 53.0#

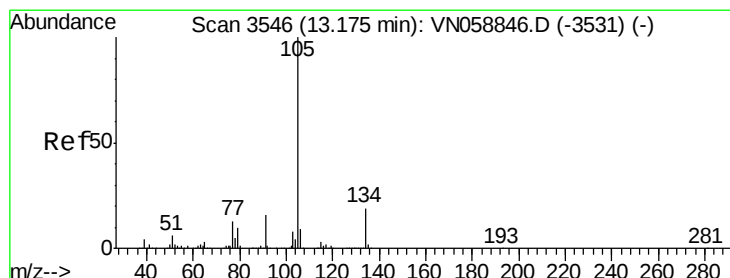
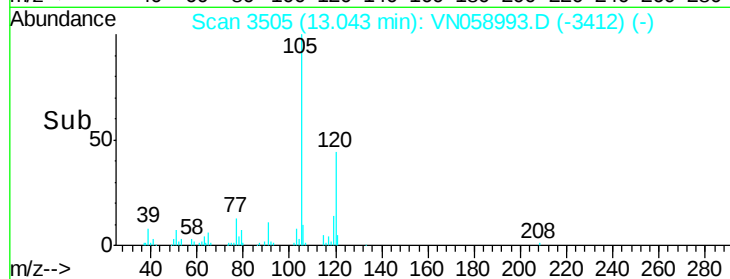
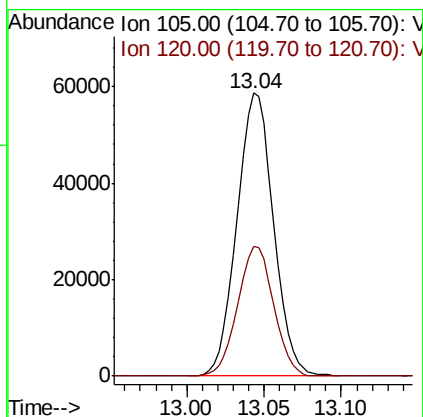
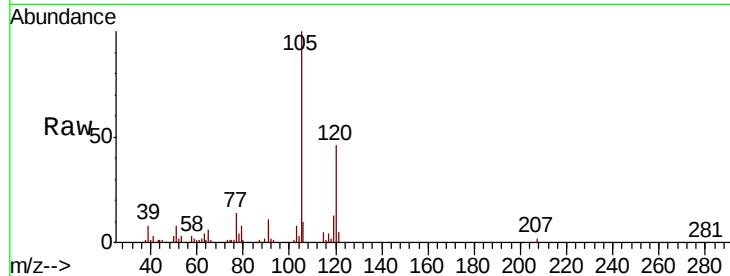




#84
 1,2,4-Trimethylbenzene
 Concen: 7.372 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

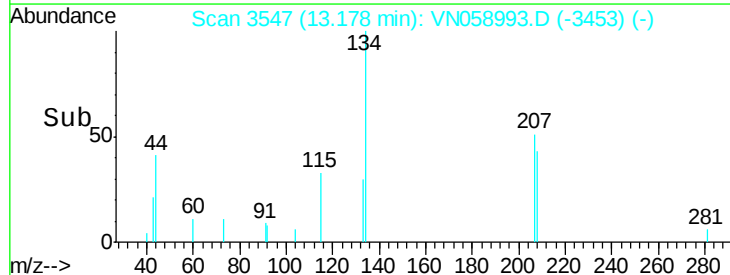
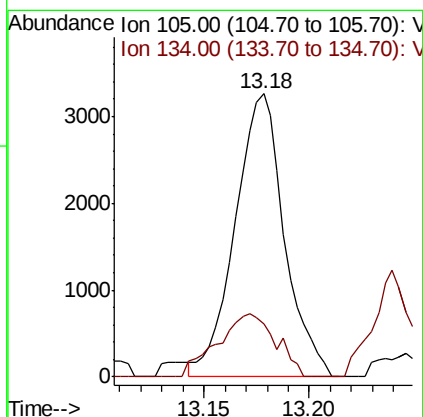
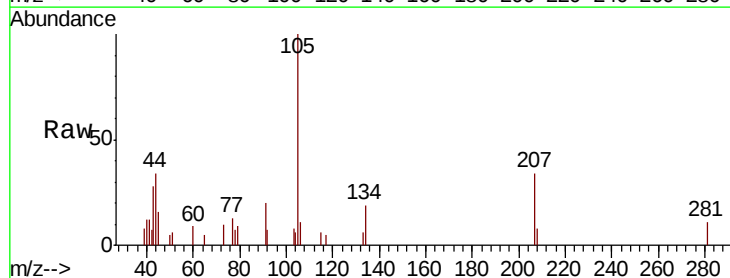
Instrument :
 MSVOA_N
 ClientSampled :

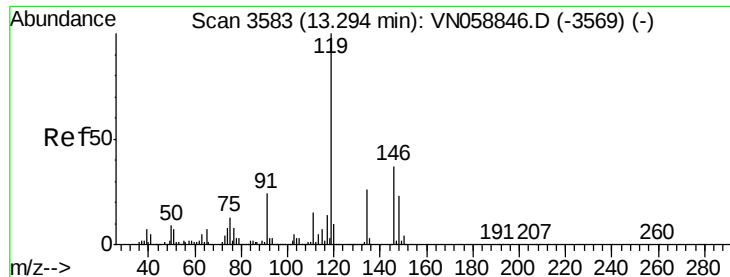
Tot Ion:105 Resp: 96472
 Ion Ratio Lower Upper
 105 100
 120 45.1 21.9 65.8



#85
 sec-Butylbenzene
 Concen: 0.350 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

Tgt Ion:105 Resp: 5292
 Ion Ratio Lower Upper
 105 100
 134 26.4 9.4 28.2

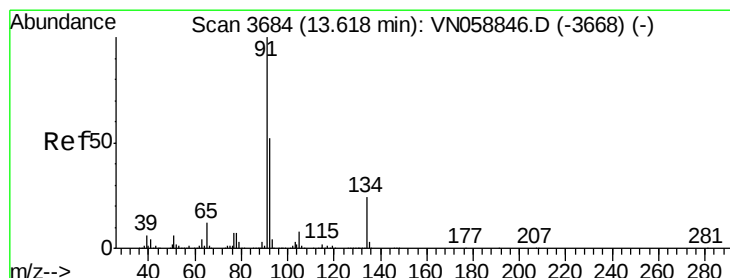
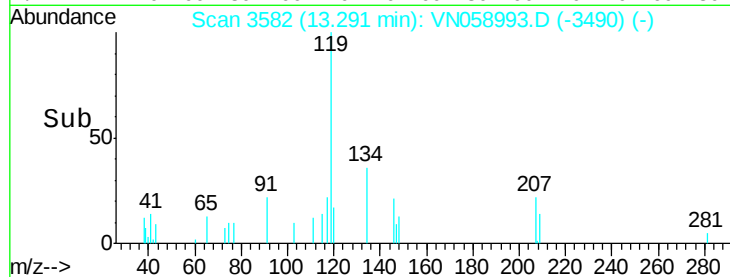
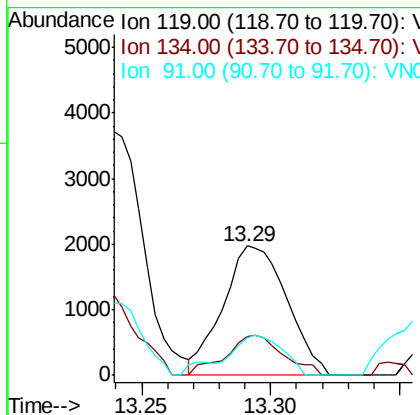
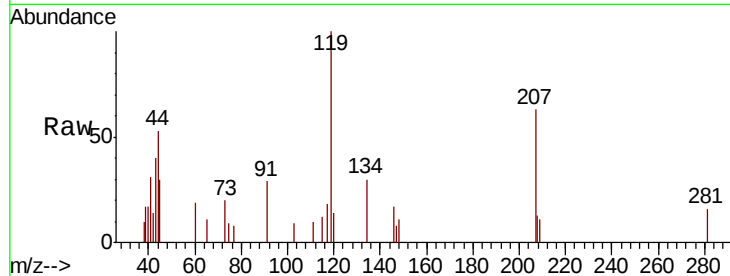




#86
 p-Isopropyltoluene
 Concen: 0.254 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

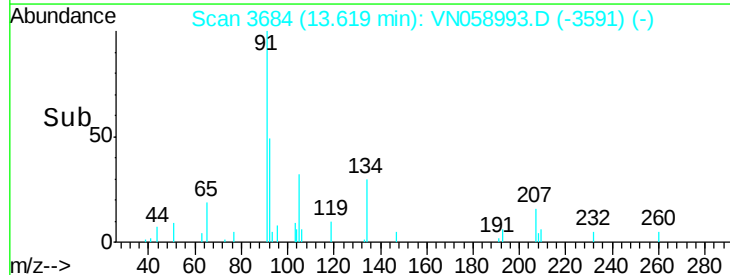
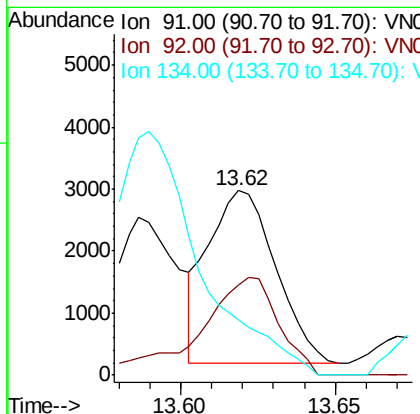
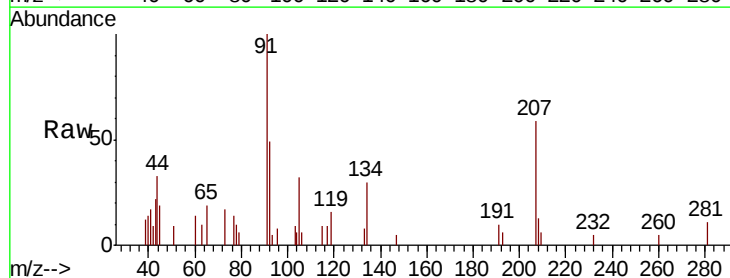
Instrument :
 MSVOA_N
 ClientSampled :

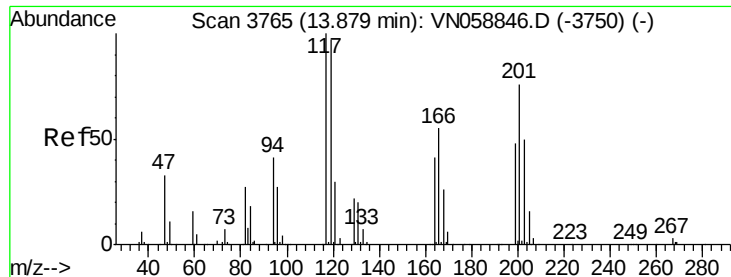
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.0	12.8	38.4
91	28.3	12.2	36.4



#89
 n-Butylbenzene
 Concen: 0.346 ug/l
 RT: 13.62 min Scan# 3684
 Delta R.T. 0.00 min
 Lab File: VN058993.D
 Acq: 28 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	65.4	25.7	77.1
134	0.0	11.9	35.5





#90

Hexachloroethane

Concen: 1.007 ug/l

RT: 13.89 min Scan# 3769

Delta R.T. 0.01 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

Instrument :

MSVOA_N

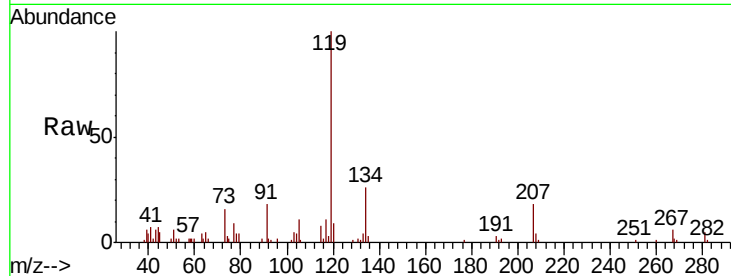
ClientSampleId :

Tot Ion:117 Resp: 2723

Ion Ratio Lower Upper

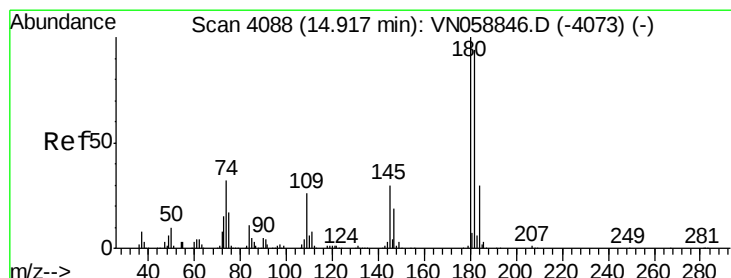
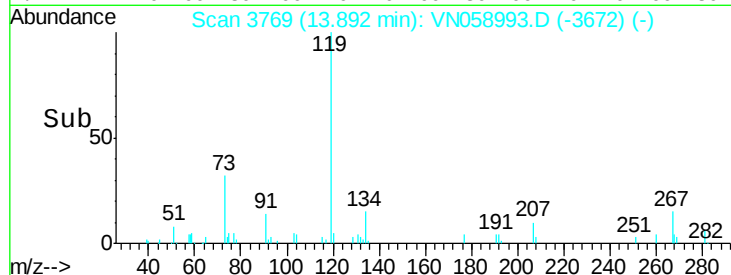
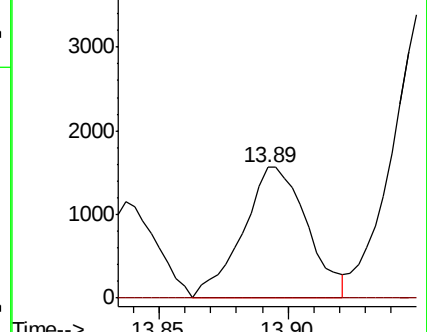
117 100

201 0.0 38.9 116.6#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 2.685 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

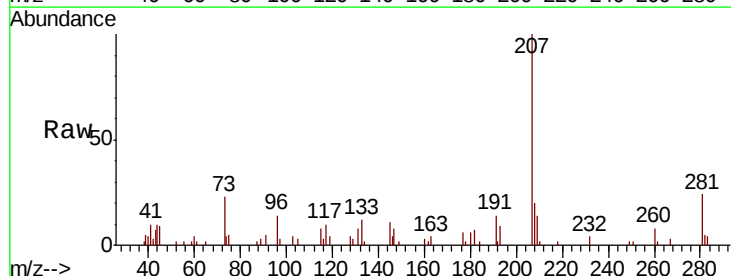
Tgt Ion:180 Resp: 744

Ion Ratio Lower Upper

180 100

182 96.9 47.3 142.0

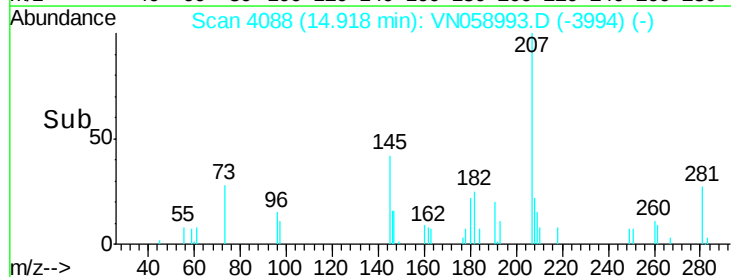
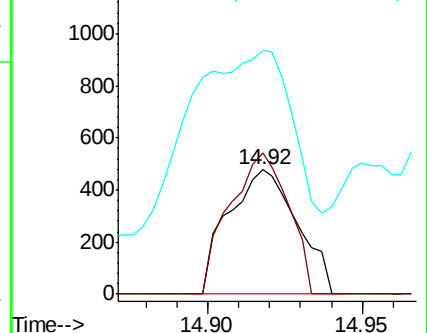
145 330.0 15.3 45.8#

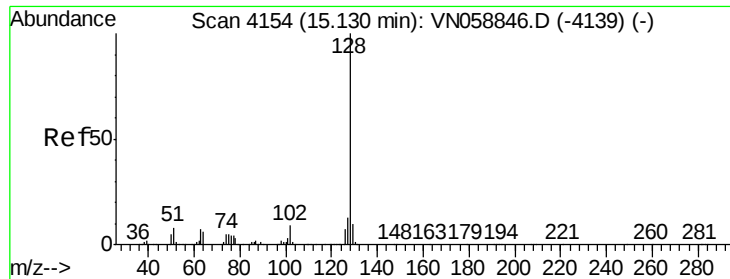


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.230 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

Instrument :

MSVOA_N

ClientSampleId :

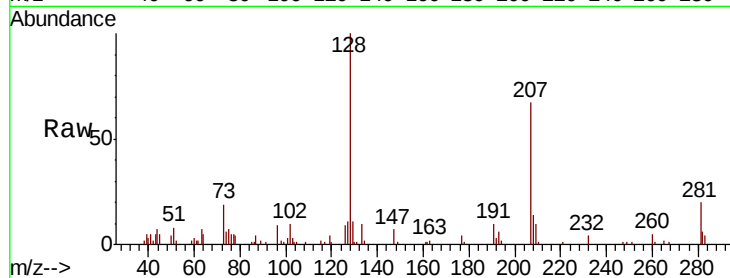
Tot Ion:128 Resp: 25966

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

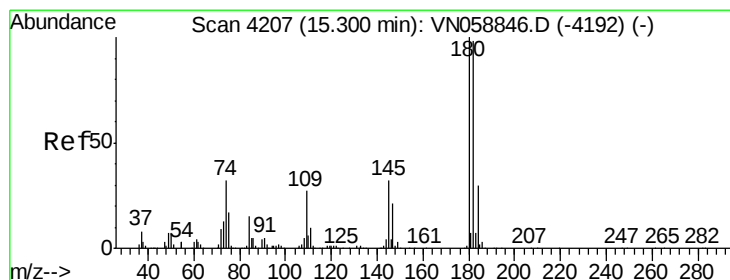
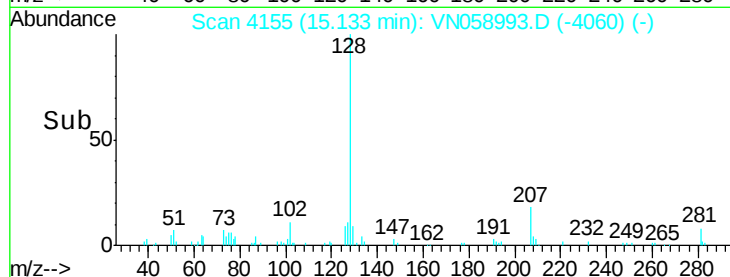
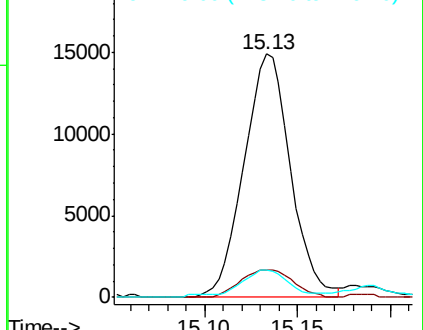
129 9.8 8.4 12.6



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: 2.610 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058993.D

Acq: 28 Oct 2019 13:28

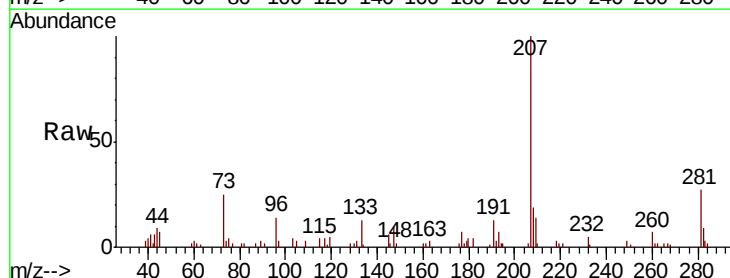
Tgt Ion:180 Resp: 948

Ion Ratio Lower Upper

180 100

182 84.2 47.9 143.7

145 0.0 15.9 47.7#



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

