

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071919\
 Data File : VN056831.D
 Acq On : 19 Jul 2019 14:54
 Operator : JC/SP
 Sample : K2646-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 19 23:14:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	258803	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	457052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	231750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	149967	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	
35) Dibromofluoromethane	7.59	113	134026	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
50) Toluene-d8	10.09	98	594746	54.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.28%	
62) 4-Bromofluorobenzene	12.40	95	240863	65.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.04%	

Target Compounds

					Qvalue	
3) Chloromethane	2.06	50	917	0.281	ug/l	# 42
6) Chloroethane	2.70	64	6643	3.623	ug/l	97
11) Tert butyl alcohol	4.79	59	17304	36.315	ug/l	# 84
12) 1,1-Dichloroethene	3.74	96	1086	0.446	ug/l	# 68
13) Acrolein	3.61	56	104	11.282	ug/l	# 13
14) Allyl chloride	4.26	41	959	0.228	ug/l	# 29
15) Acrylonitrile	5.00	53	375	0.273	ug/l	# 64
16) Acetone	3.82	43	1284292	973.530	ug/l	99
17) Carbon Disulfide	4.05	76	45175	7.027	ug/l	100
18) Methyl Acetate	4.33	43	48628	15.746	ug/l	99
20) Methylene Chloride	4.55	84	11714	4.063	ug/l	90
24) 1,1-Dichloroethane	5.85	63	13876	2.882	ug/l	98
25) 2-Butanone	6.84	43	444660	230.549	ug/l	99
26) 2,2-Dichloropropane	6.82	77	1555	0.448	ug/l	# 51
27) cis-1,2-Dichloroethene	6.83	96	834	0.282	ug/l	# 18
29) Tetrahydrofuran	6.93	42	43328	34.443	ug/l	# 35
31) Cyclohexane	7.67	56	4856	1.061	ug/l	# 1
36) 1,1-Dichloropropene	7.66	75	17310	4.093	ug/l	# 48
37) Ethyl Acetate	6.93	43	966098	231.764	ug/l	97
38) Carbon Tetrachloride	7.67	117	22438	5.657	ug/l	# 16
40) Benzene	8.04	78	6703	0.517	ug/l	98
41) Methacrylonitrile	7.20	41	10409	5.685	ug/l	# 100
42) 1,2-Dichloroethane	8.12	62	1307	0.319	ug/l	# 73
43) Isopropyl Acetate	8.16	43	2698	0.412	ug/l	# 71
44) Trichloroethene	8.83	130	1790	0.509	ug/l	95
48) Methyl methacrylate	9.17	41	45446	14.340	ug/l	# 37
49) 1,4-Dioxane	9.20	88	1356	20.852	ug/l	# 24
51) 4-Methyl-2-Pentanone	9.98	43	330467	77.860	ug/l	99
52) Toluene	10.15	92	647999	84.198	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	6785	1.604	ug/l	# 1
56) Ethyl methacrylate	10.43	69	20871	4.494	ug/l	90
59) 2-Hexanone	10.75	43	15488	5.086	ug/l	94
60) Dibromochloromethane	10.63	129	724	0.228	ug/l	# 11
67) Ethyl Benzene	11.51	91	17777	0.972	ug/l	97

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

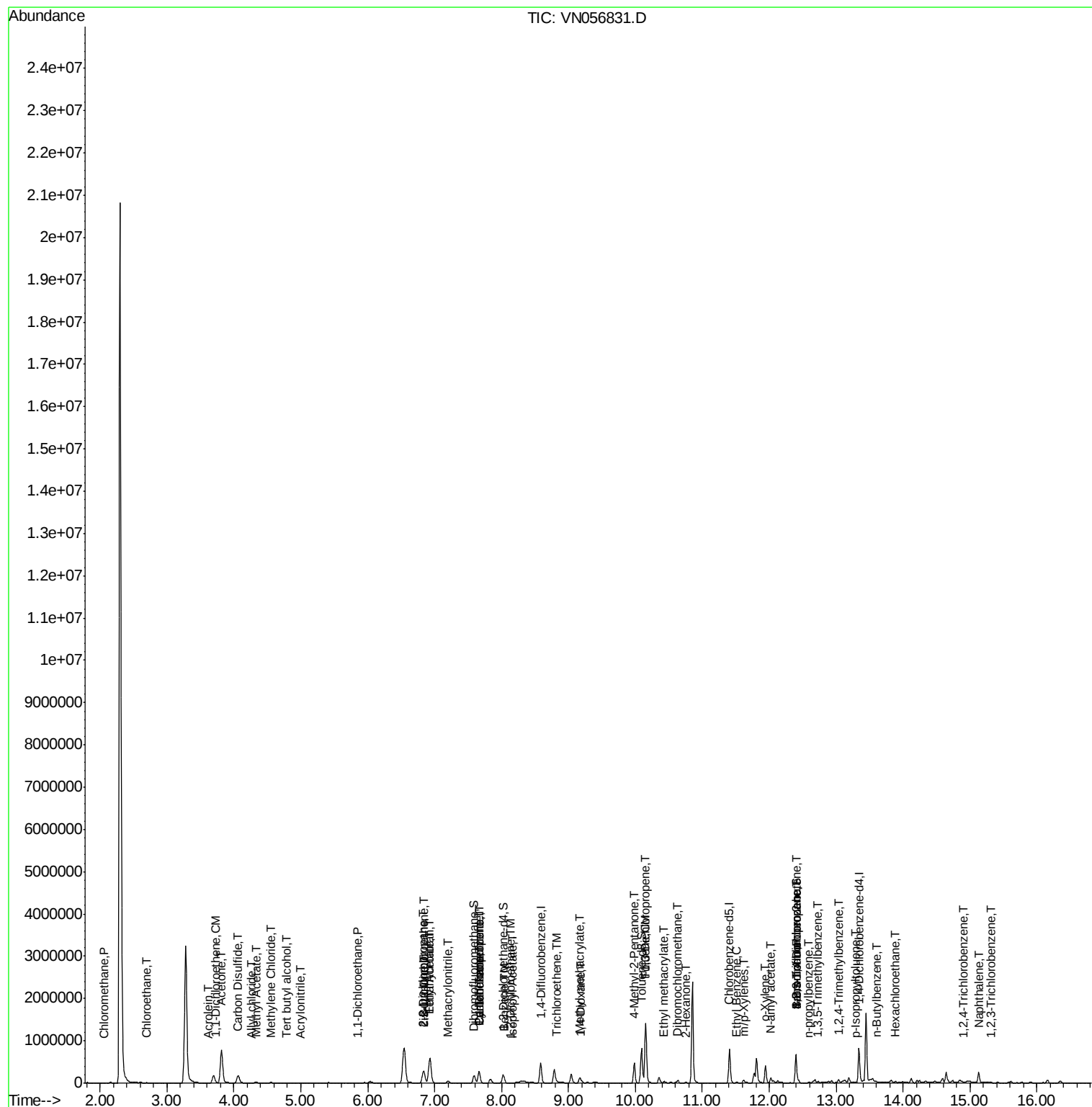
68) m/p-Xylenes	11.62	106	23905	3.498	ug/l	98
69) o-Xylene	11.95	106	12256	1.824	ug/l	90
71) Bromoform	12.40	173	1867	0.641	ug/l #	1
74) N-amyl acetate	12.02	43	79005	11.353	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.46	83	69	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	110917	21.883	ug/l #	100
78) n-propylbenzene	12.59	91	8323	0.401	ug/l	93
79) 2-Chlorotoluene	12.65	91	3001	Below Cal	#	55
80) 1,3,5-Trimethylbenzene	12.73	105	12364	0.781	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	110917	67.581	ug/l #	13
83) tert-Butylbenzene	13.23	119	3462	Below Cal		72
84) 1,2,4-Trimethylbenzene	13.04	105	49019	3.168	ug/l	99
86) p-Isopropyltoluene	13.29	119	9074	0.569	ug/l	93
89) n-Butylbenzene	13.61	91	2754	0.214	ug/l #	82
90) Hexachloroethane	13.89	117	1590	0.617	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.90	180	236	3.740	ug/l #	1
95) Naphthalene	15.13	128	213649	20.175	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	236	3.372	ug/l #	51

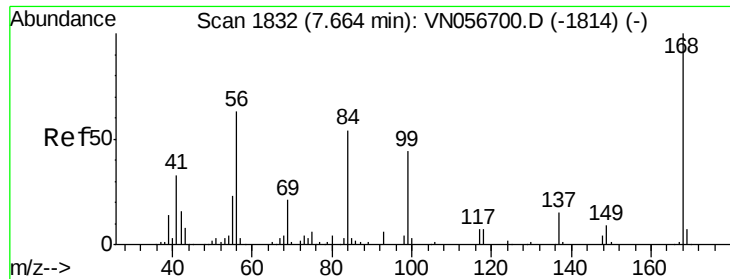
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

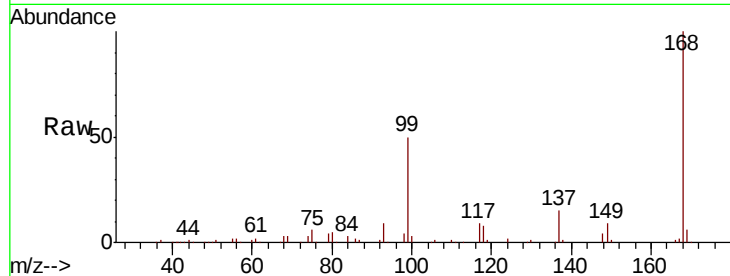
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 258803

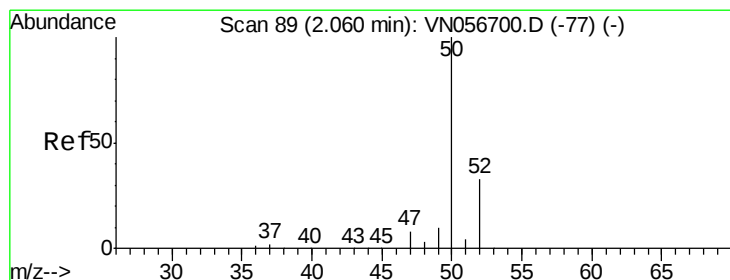
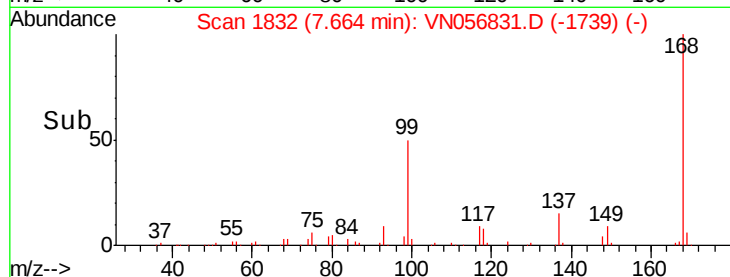
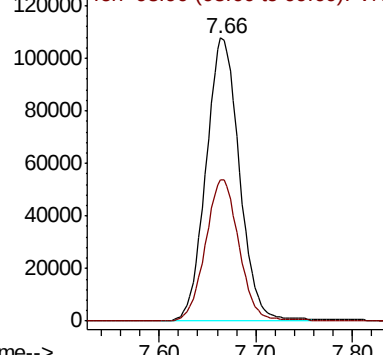
Ion Ratio Lower Upper

168 100

99 49.8 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.281 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN056831.D

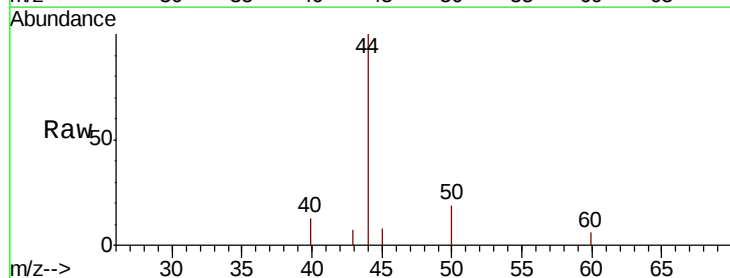
Acq: 19 Jul 2019 14:54

Tgt Ion: 50 Resp: 917

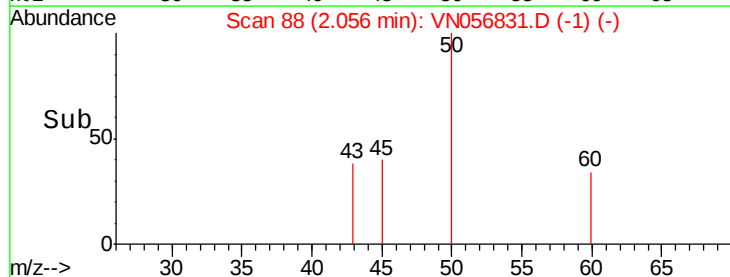
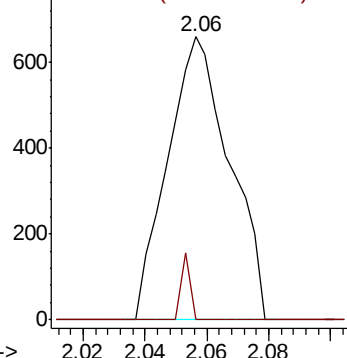
Ion Ratio Lower Upper

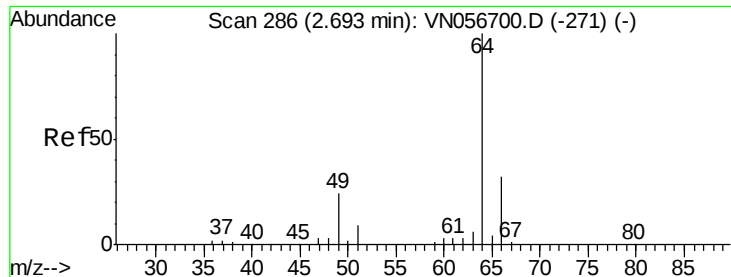
50 100

52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VN0
Ion 51.90 (51.60 to 52.60): VN0





#6

Chloroethane

Concen: 3.623 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

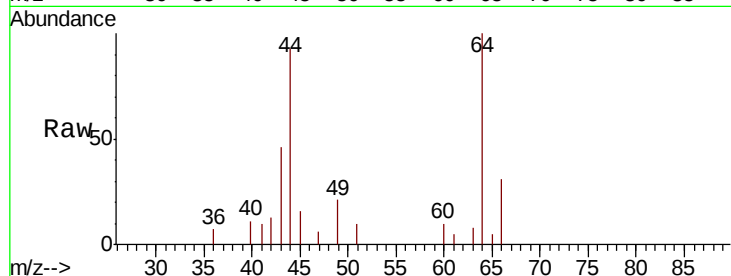
ClientSampleId :

Tot Ion: 64 Resp: 6643

Ion Ratio Lower Upper

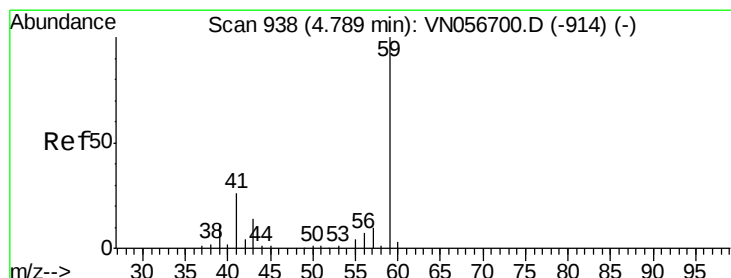
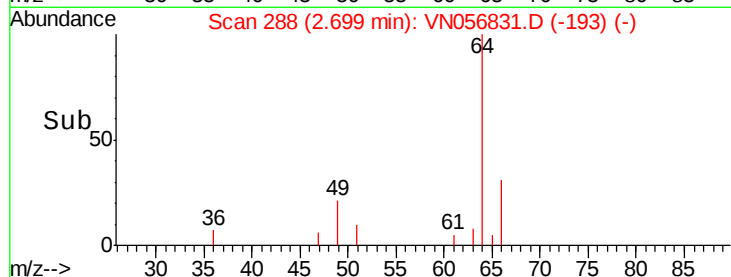
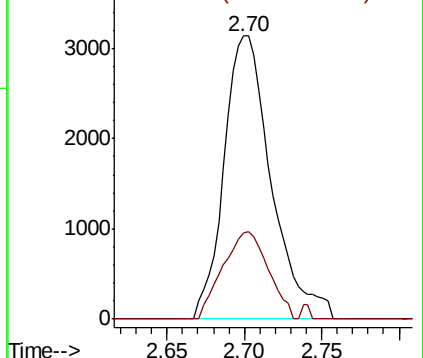
64 100

66 30.6 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#11

Tert butyl alcohol

Concen: 36.315 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.00 min

Lab File: VN056831.D

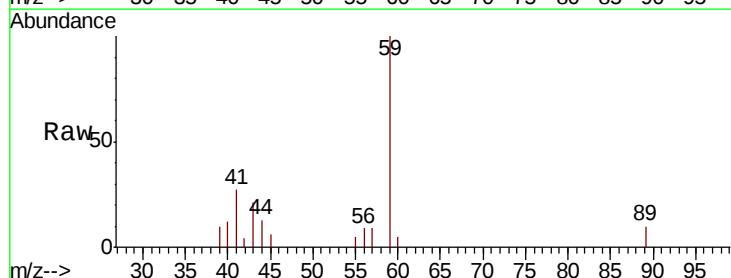
Acq: 19 Jul 2019 14:54

Tgt Ion: 59 Resp: 17304

Ion Ratio Lower Upper

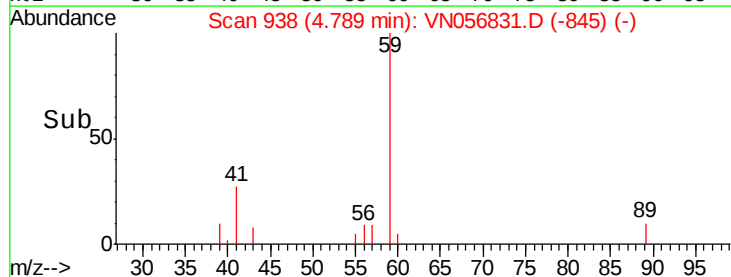
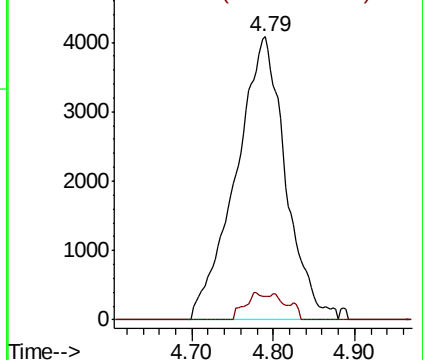
59 100

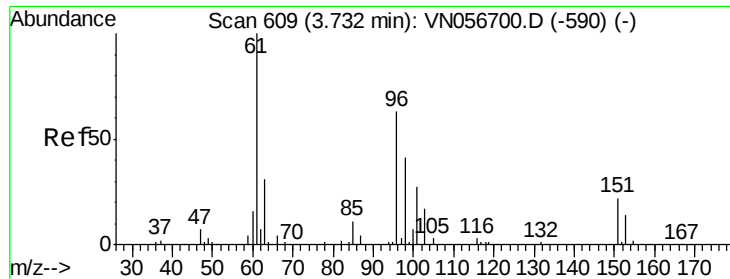
57 4.1 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#12

1,1-Dichloroethene

Concen: 0.446 ug/l

RT: 3.74 min Scan# 611

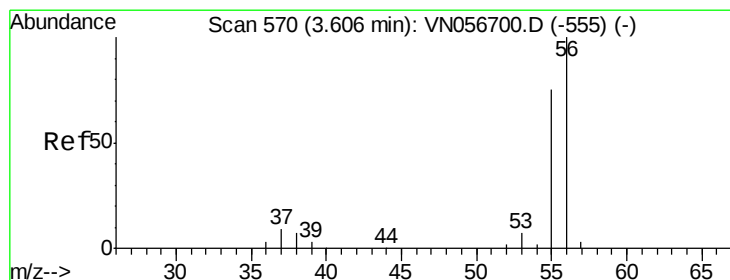
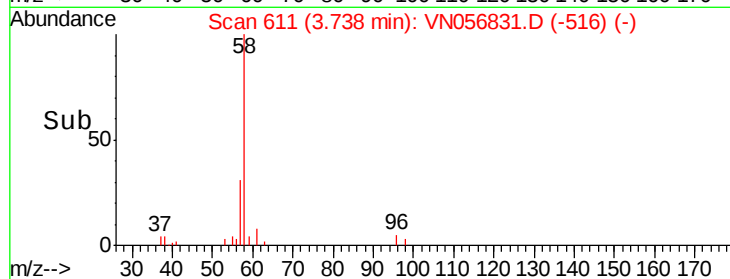
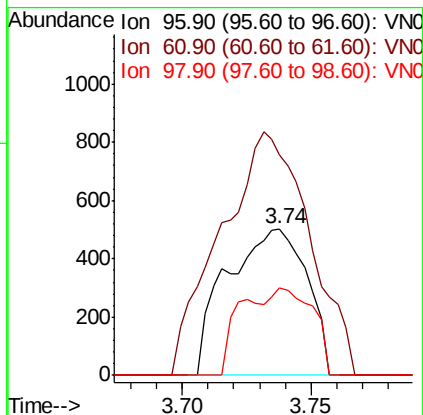
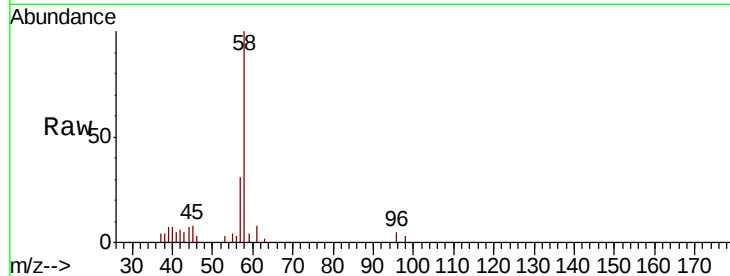
Delta R.T. 0.01 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	96	Resp:	1086
Ion	Ratio	Lower	Upper
96	100		
61	102.8	126.6	189.8#
98	59.4	51.4	77.2



#13

Acrolein

Concen: 11.282 ug/l

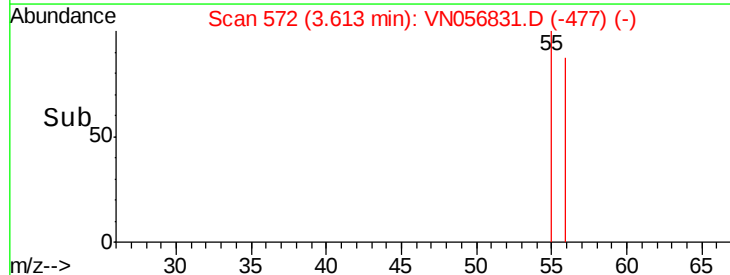
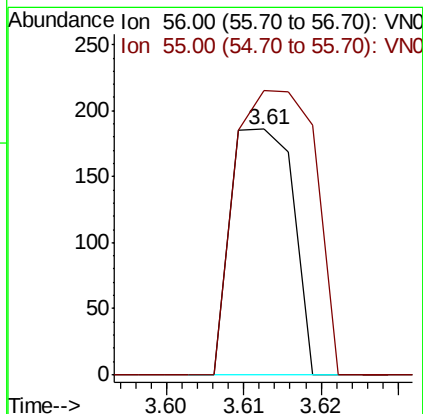
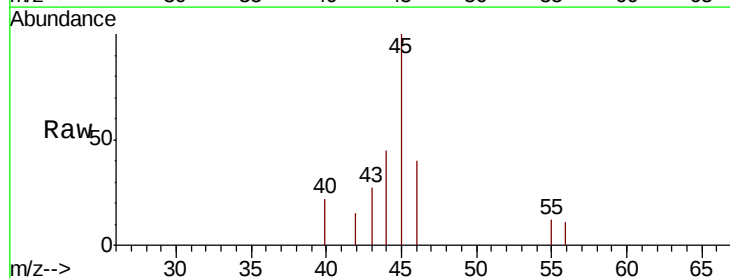
RT: 3.61 min Scan# 572

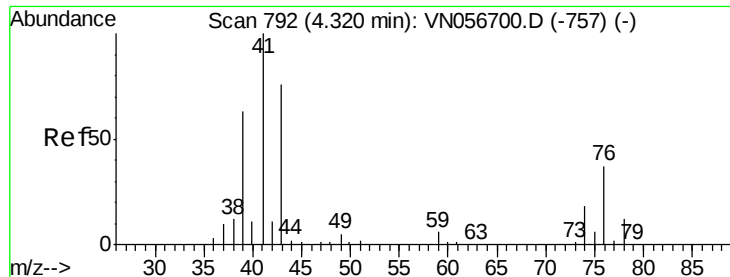
Delta R.T. 0.01 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Tgt Ion:	56	Resp:	104
Ion	Ratio	Lower	Upper
56	100		
55	0.0	58.0	87.0#

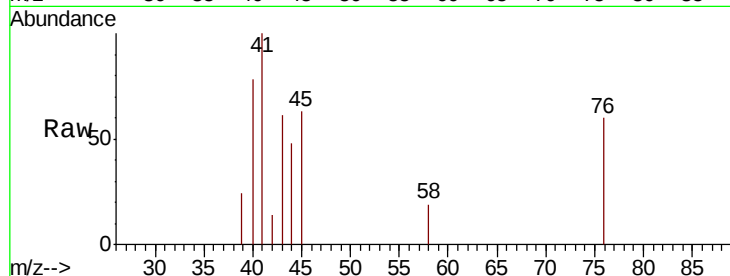




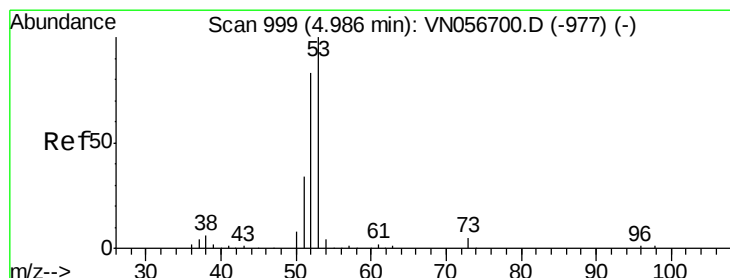
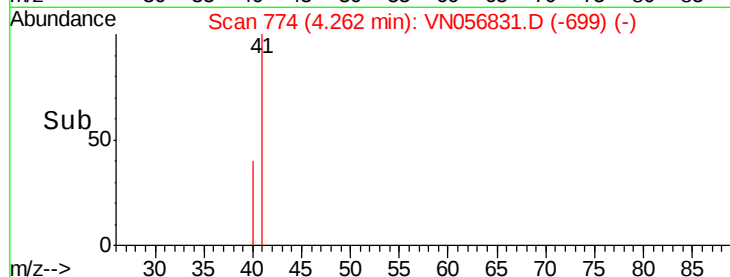
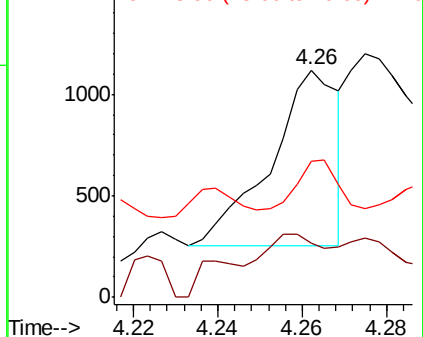
#14
Allvl chloride
Concen: 0.228 ug/l
RT: 4.26 min Scan# 774
Delta R.T. -0.06 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 959
Ion Ratio Lower Upper
41 100
39 0.0 46.9 70.3#
76 0.0 26.5 39.7#

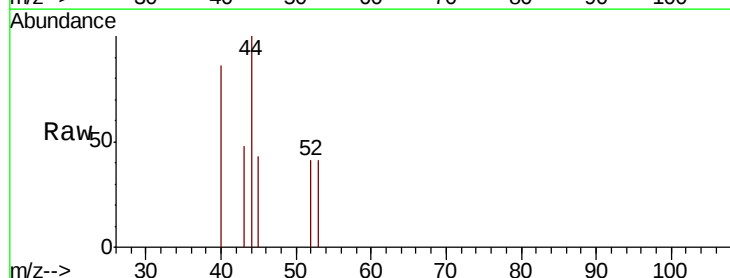


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO

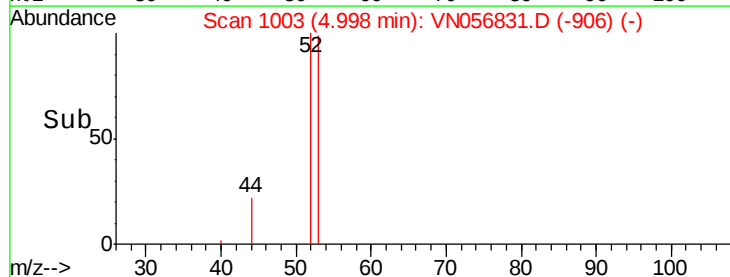
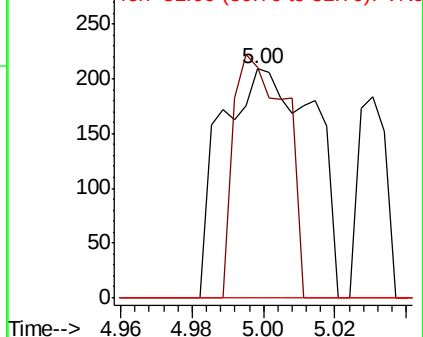


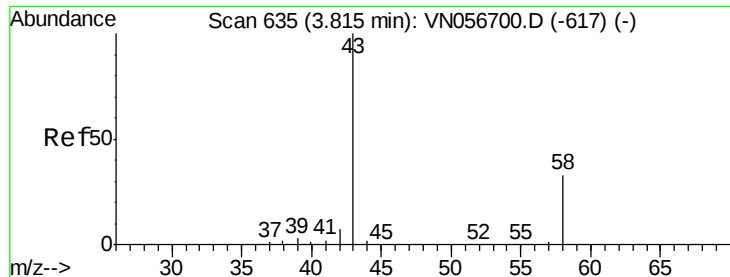
#15
Acrylonitrile
Concen: 0.273 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 53 Resp: 375
Ion Ratio Lower Upper
53 100
52 59.7 66.6 99.8#
51 0.0 28.4 42.6#



Abundance Ion 53.00 (52.70 to 53.70): VNO
Ion 52.00 (51.70 to 52.70): VNO
Ion 51.00 (50.70 to 51.70): VNO





#16

Acetone

Concen: 973.530 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

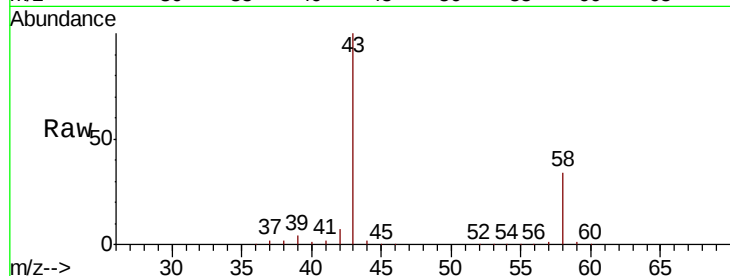
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1284292

Ion Ratio Lower Upper

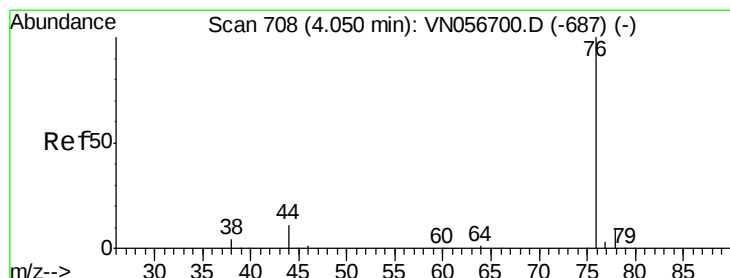
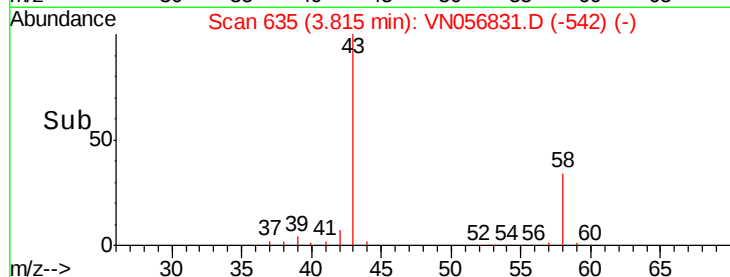
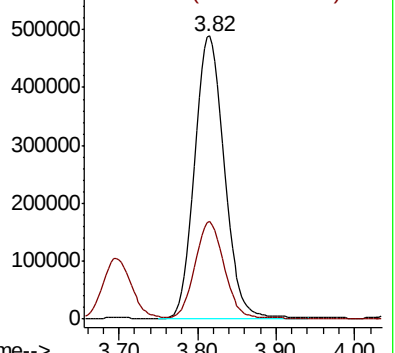
43 100

58 34.2 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 7.027 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN056831.D

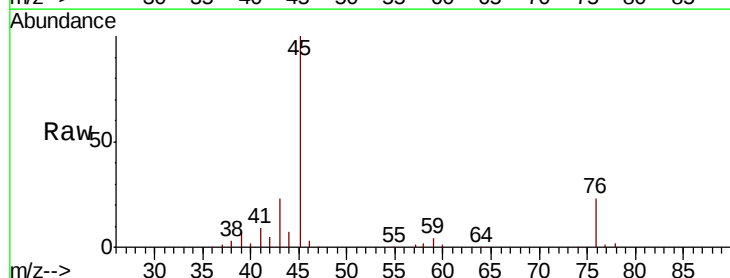
Acq: 19 Jul 2019 14:54

Tgt Ion: 76 Resp: 45175

Ion Ratio Lower Upper

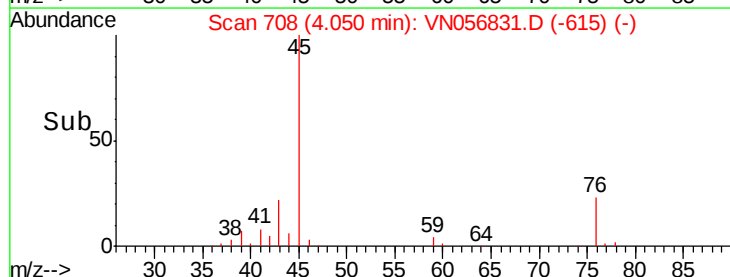
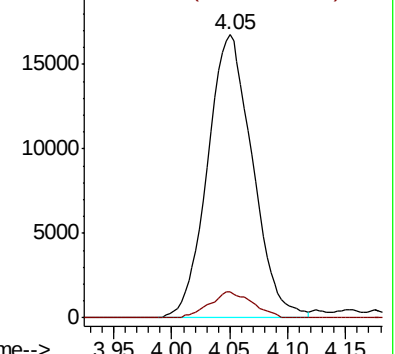
76 100

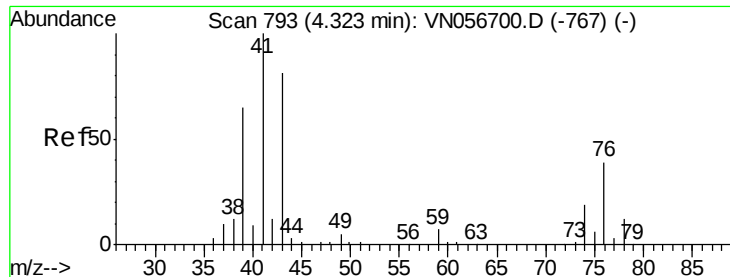
78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#18

Methyl Acetate

Concen: 15.746 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

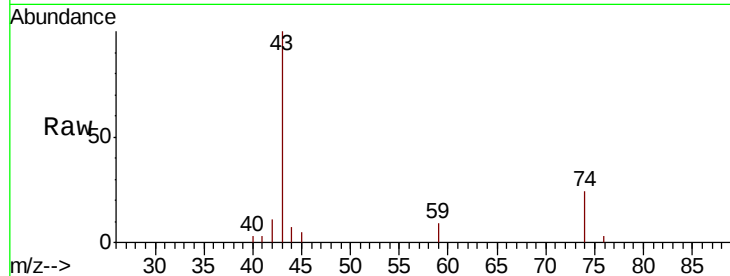
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 48628

Ion Ratio Lower Upper

43 100

74 24.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN056831.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN056831.D (-700) (-)

20000

15000

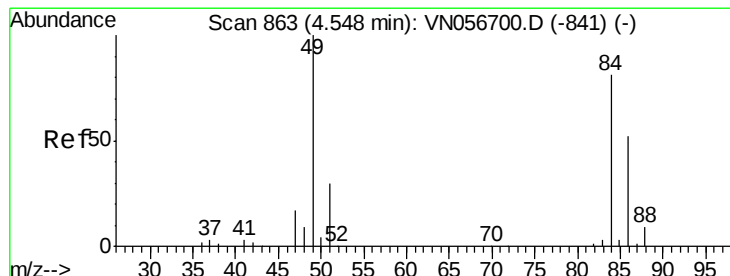
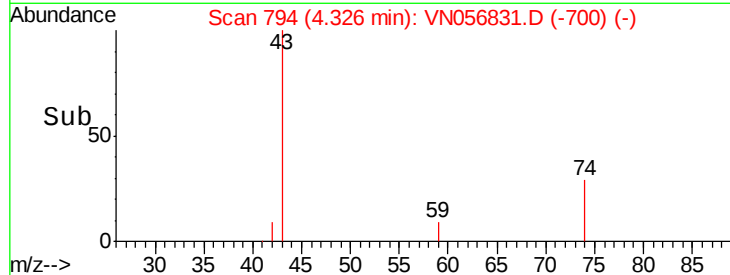
10000

5000

0

4.20 4.30 4.40 4.50

Time-->



#20

Methylene Chloride

Concen: 4.063 ug/l

RT: 4.55 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Tgt Ion: 84 Resp: 11714

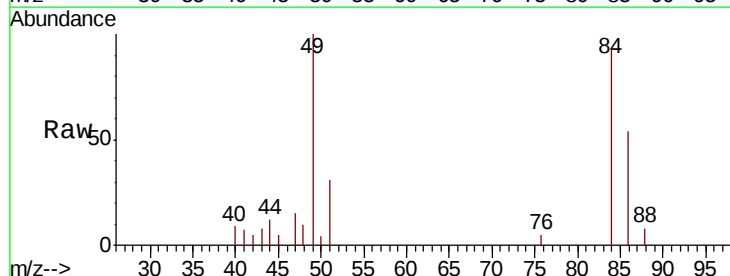
Ion Ratio Lower Upper

84 100

49 107.8 98.2 147.4

51 33.5 29.6 44.4

86 58.7 51.0 76.4



Abundance Ion 83.90 (83.60 to 84.60): VN056831.D (-770) (-)

Ion 48.90 (48.60 to 49.60): VN056831.D (-770) (-)

Ion 50.90 (50.60 to 51.60): VN056831.D (-770) (-)

Ion 85.90 (85.60 to 86.60): VN056831.D (-770) (-)

6000

5000

4000

3000

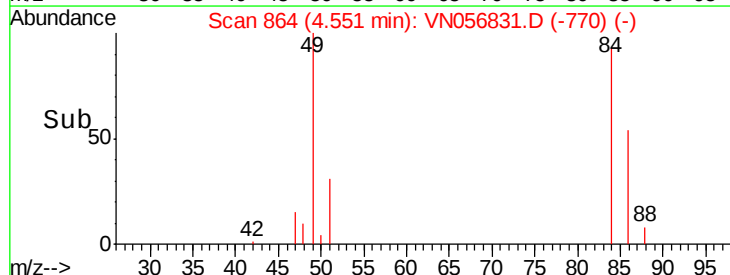
2000

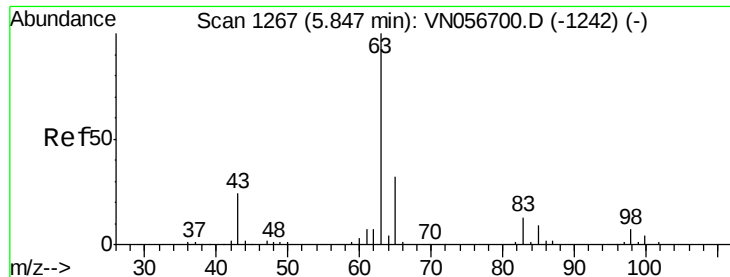
1000

0

4.45 4.50 4.55 4.60 4.65

Time-->





#24

1,1-Dichloroethane

Concen: 2.882 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :

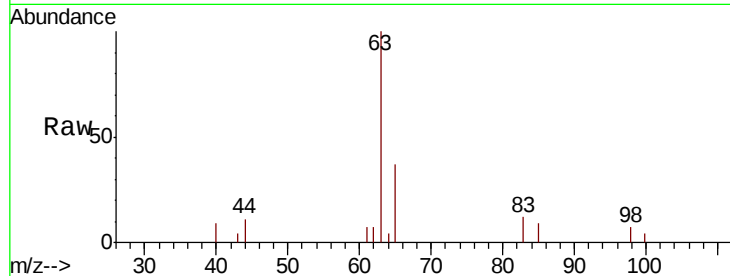
Tot Ion: 63 Resp: 13876

Ion Ratio Lower Upper

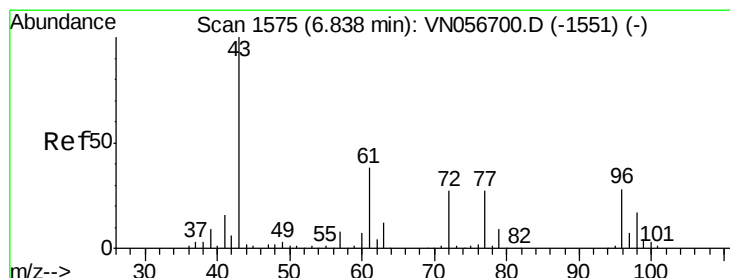
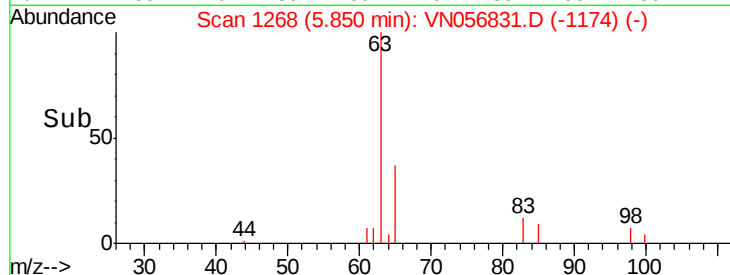
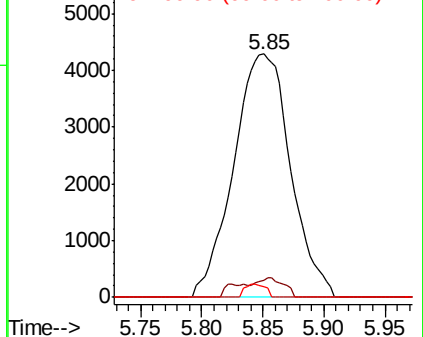
63 100

98 7.2 3.3 9.9

100 4.5 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 230.549 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VN056831.D

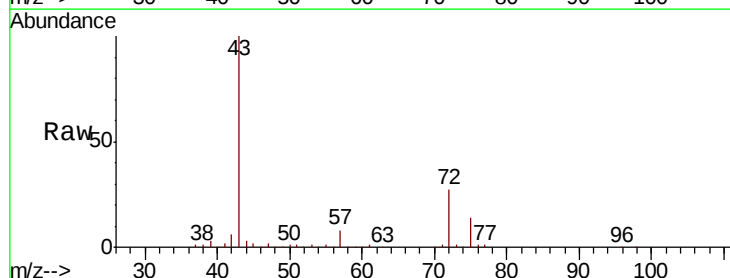
Acq: 19 Jul 2019 14:54

Tgt Ion: 43 Resp: 444660

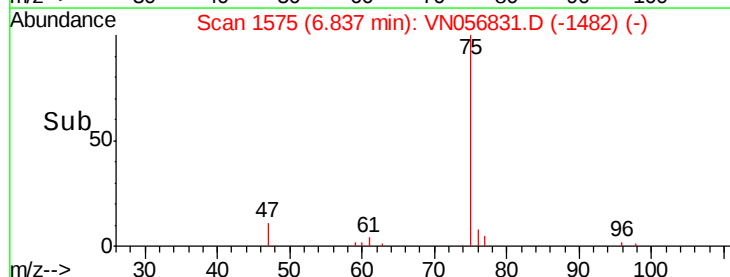
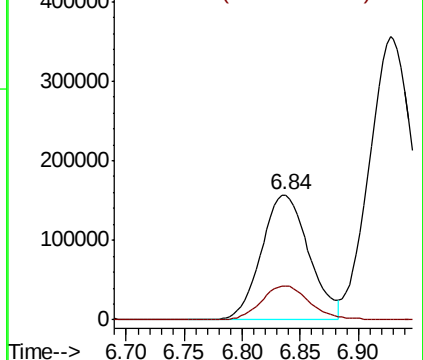
Ion Ratio Lower Upper

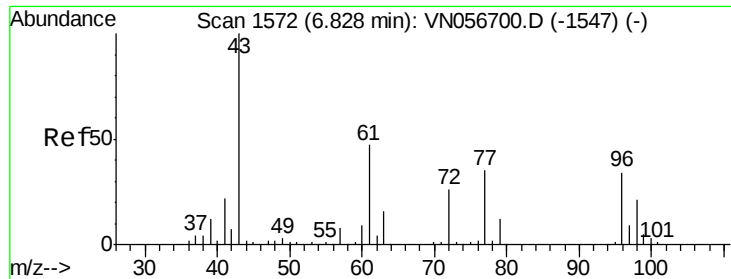
43 100

72 27.0 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

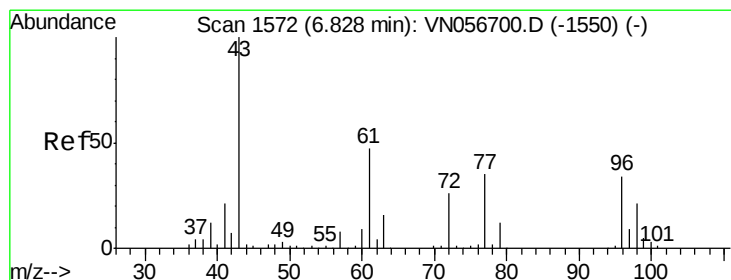
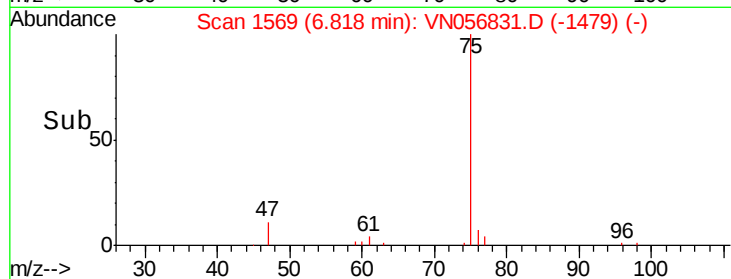
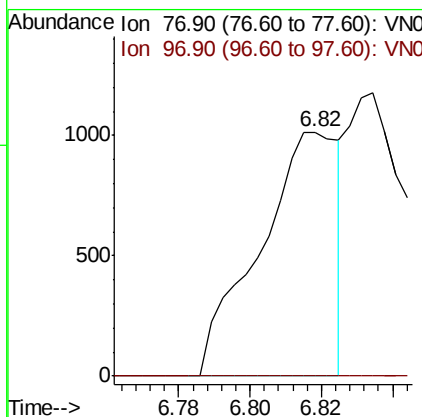
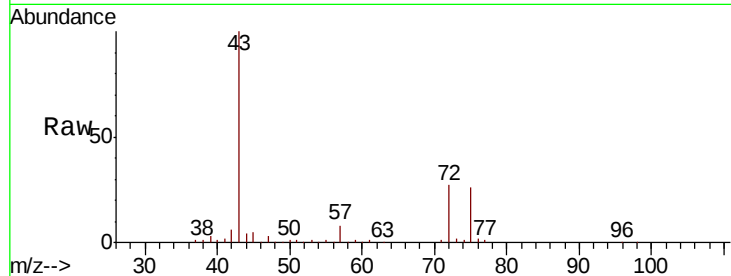




#26
 2,2-Dichloropropane
 Concen: 0.448 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

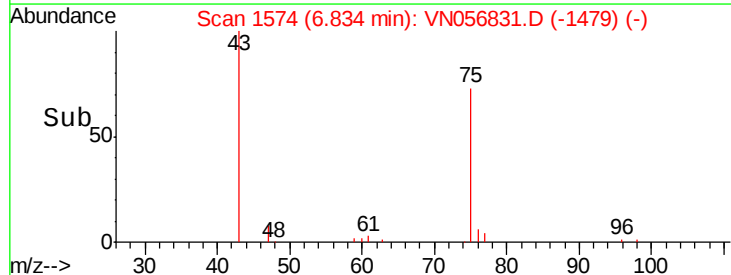
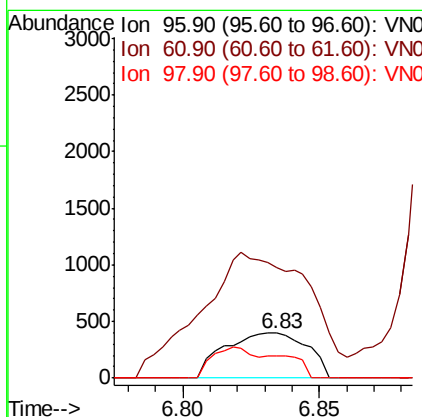
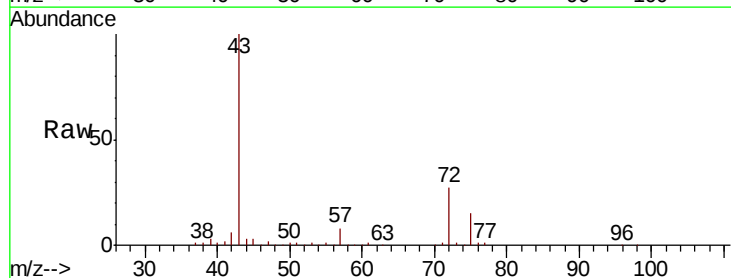
Instrument :
 MSVOA_N
 ClientSampled :

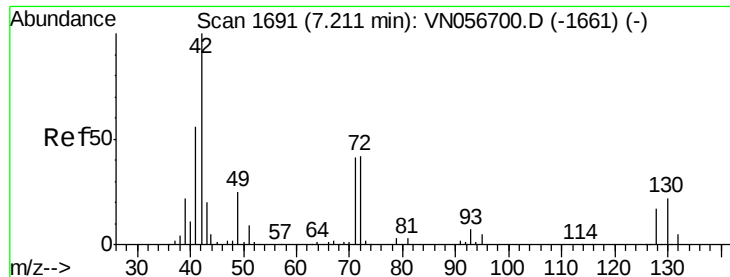
Tot Ion: 77 Resp: 1555
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.2 36.6#



#27
 cis-1,2-Dichloroethene
 Concen: 0.282 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

Tgt Ion: 96 Resp: 834
 Ion Ratio Lower Upper
 96 100
 61 0.0 0.0 281.4
 98 56.7 0.0 127.8

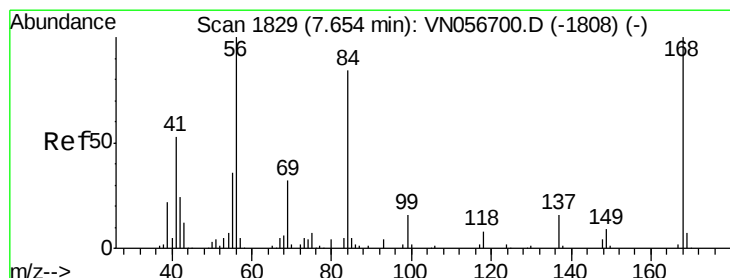
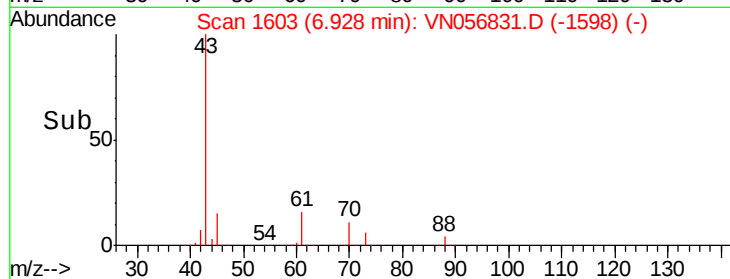
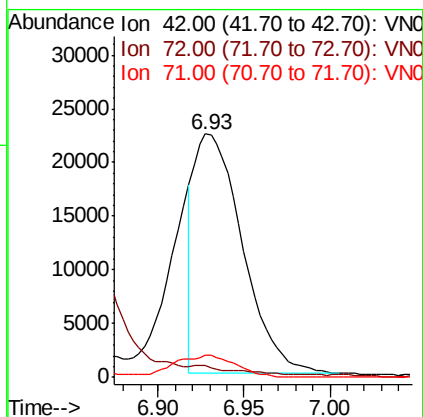
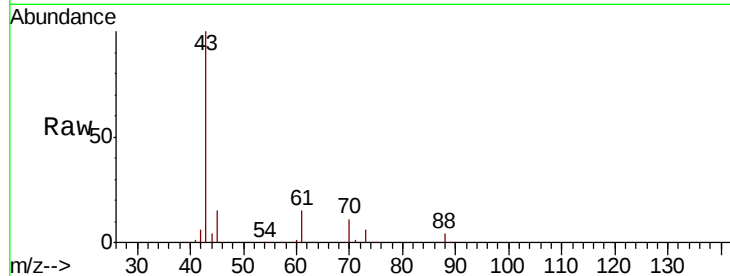




#29
Tetrahydrofuran
Concen: 34.443 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.28 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

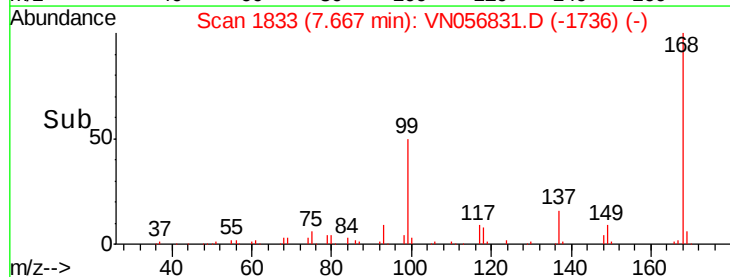
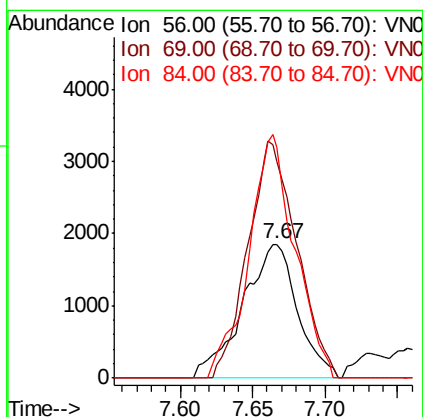
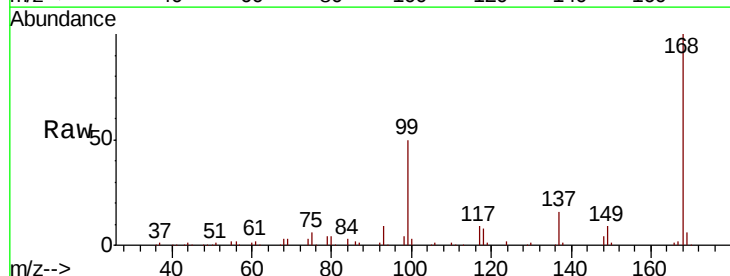
Instrument :
MSVOA_N
ClientSampleId :

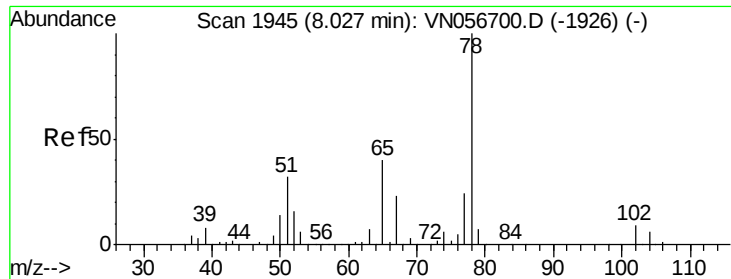
Tot Ion: 42 Resp: 43328
Ion Ratio Lower Upper
42 100
72 0.0 33.5 50.3#
71 0.0 31.8 47.8#



#31
Cyclohexane
Concen: 1.061 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 56 Resp: 4856
Ion Ratio Lower Upper
56 100
69 161.4 25.8 38.8#
84 172.2 67.4 101.0#





#33

1,2-Dichloroethane-d4

Concen: 52.386 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

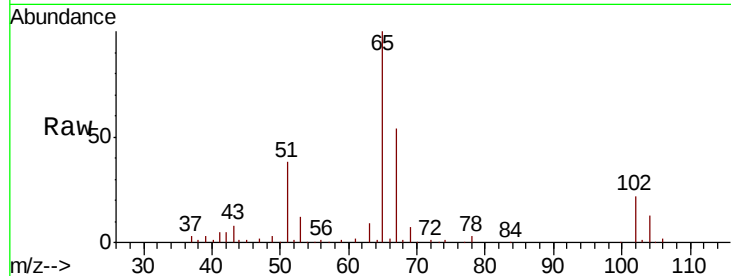
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 149967

Ion Ratio Lower Upper

65 100

67 54.1 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN056700.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN056700.D (-1926) (-)

8.02

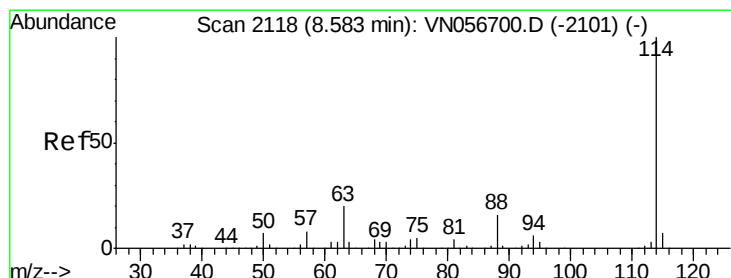
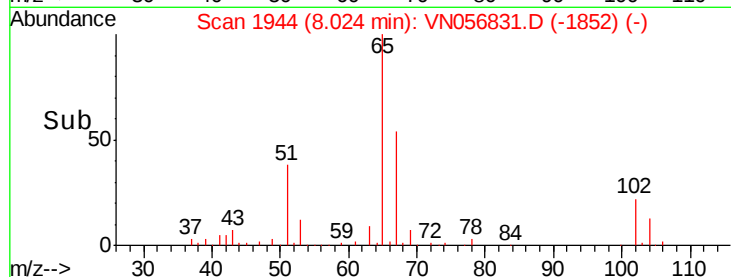
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

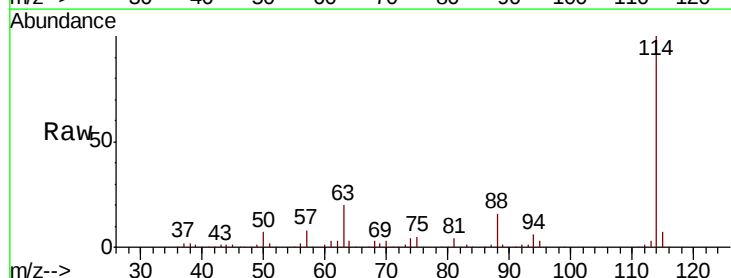
Tgt Ion: 114 Resp: 457052

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.4

88 15.6 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): VN056700.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN056700.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN056700.D (-2101) (-)

8.59

250000

200000

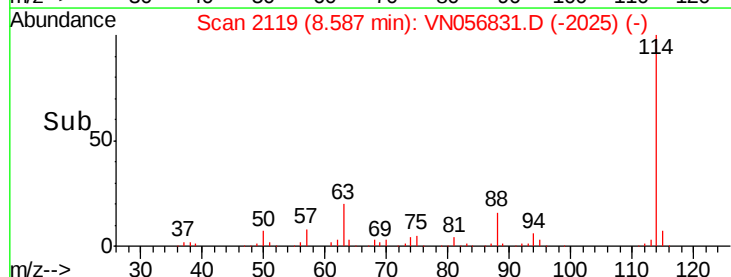
150000

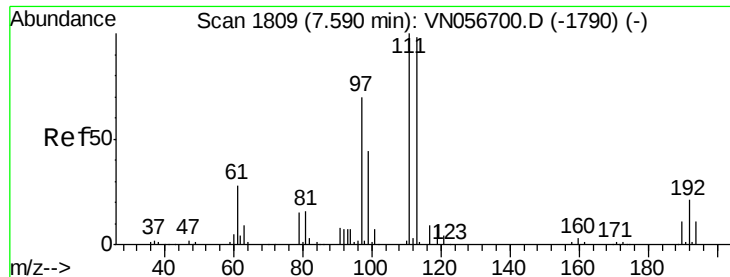
100000

50000

0

Time--> 8.50 8.60 8.70

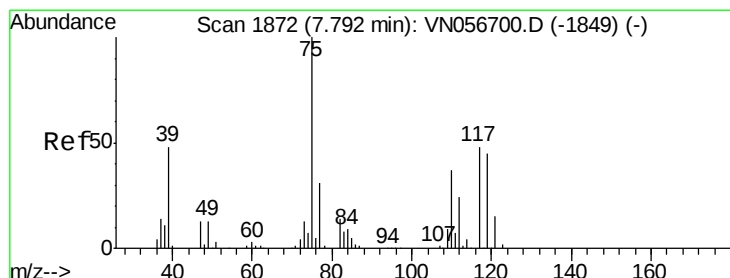
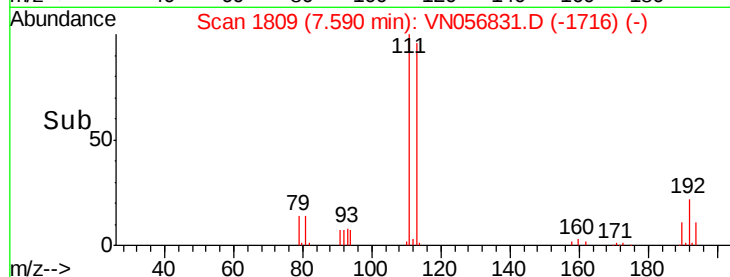
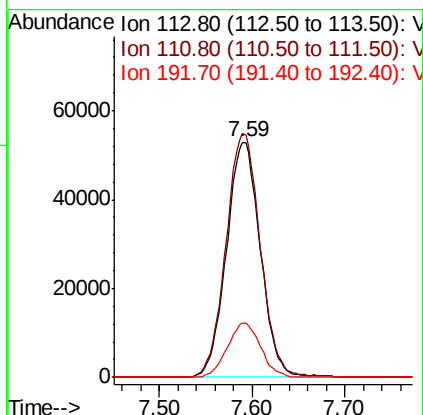
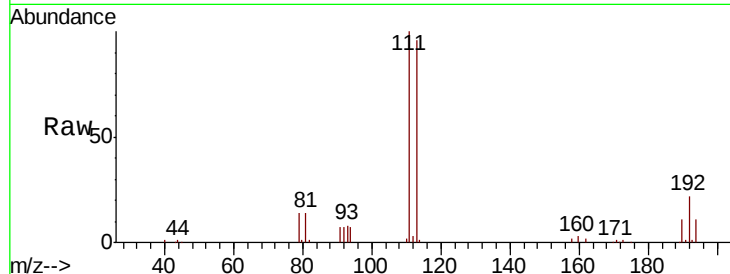




#35
 Dibromofluoromethane
 Concen: 47.120 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

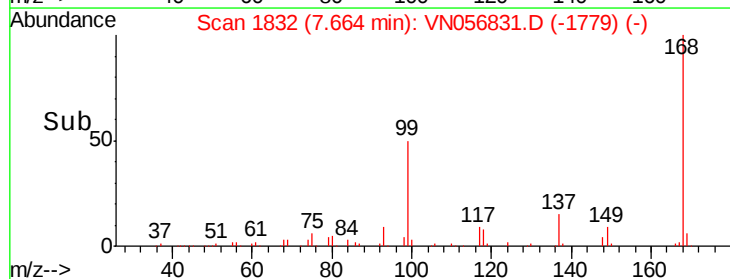
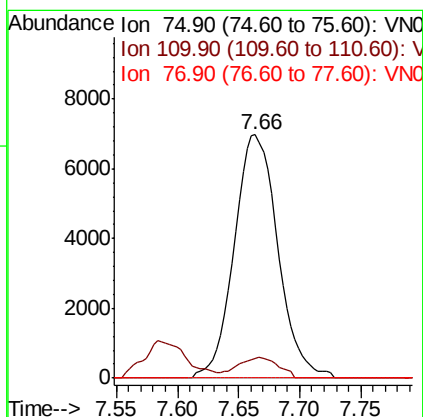
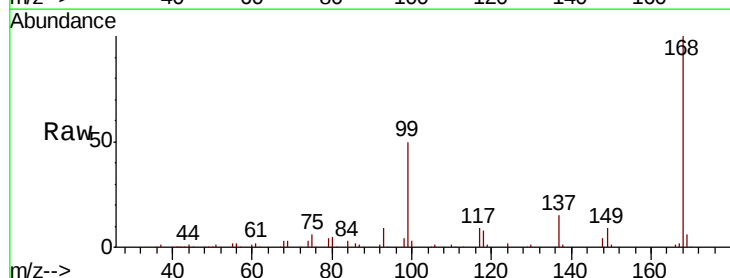
Instrument :
 MSVOA_N
 ClientSampleId :

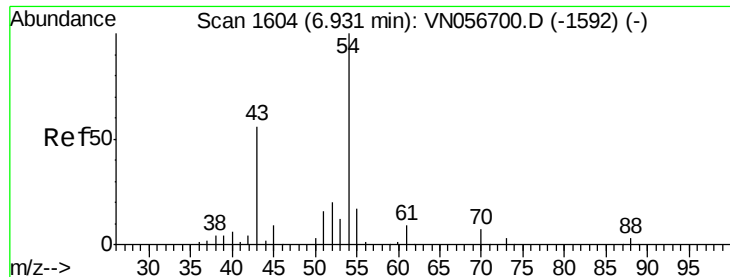
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.8	122.6
192	22.6	17.5	26.3



#36
 1,1-Dichloropropene
 Concen: 4.093 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.8	18.4	55.4#
77	0.0	24.6	36.8#

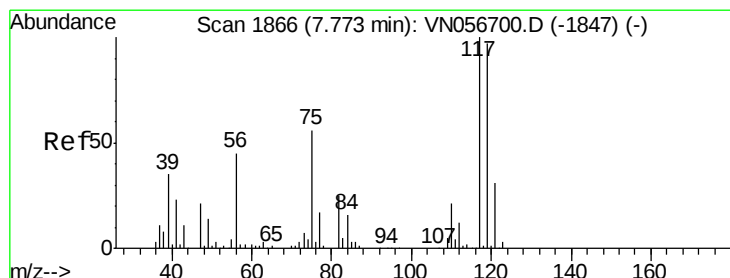
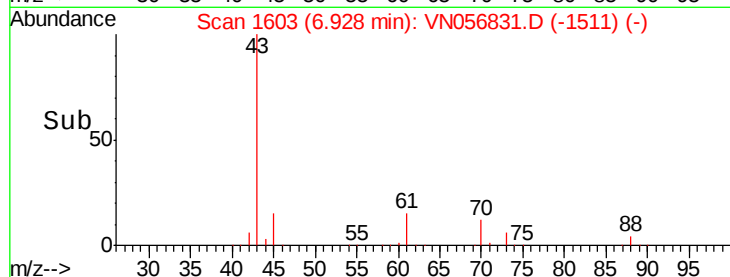
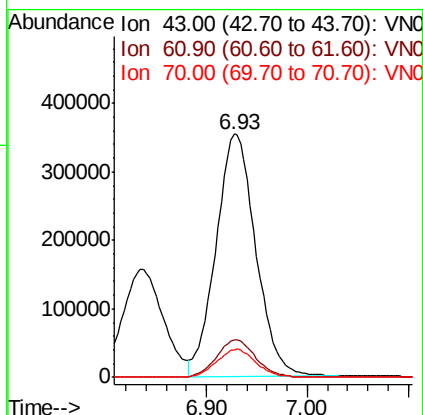
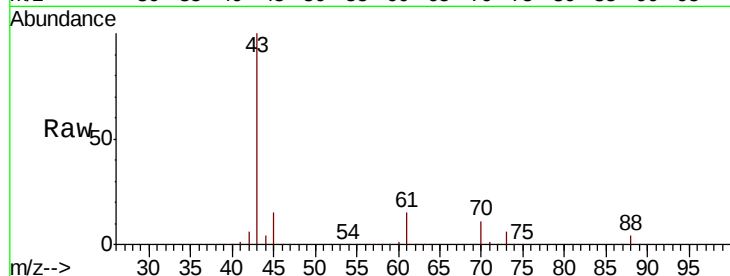




#37
Ethyl Acetate
Concen: 231.764 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

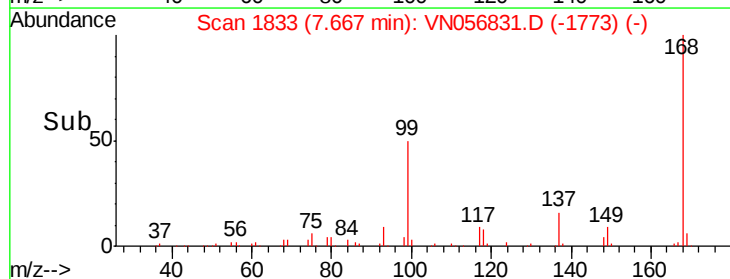
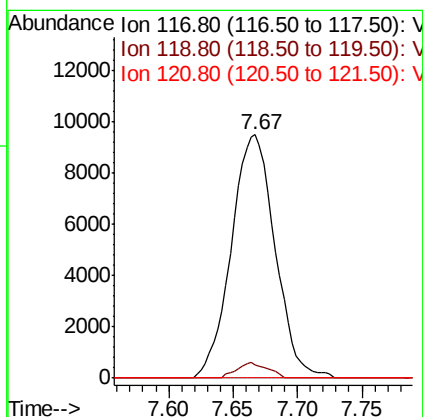
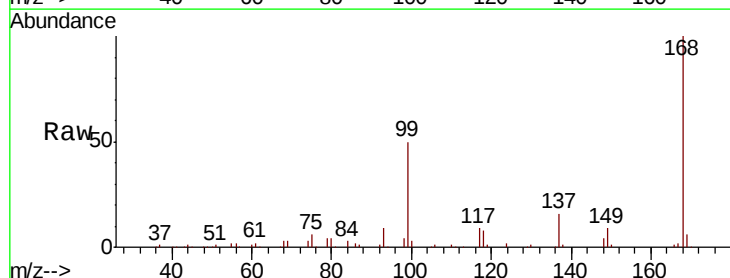
Instrument :
MSVOA_N
ClientSampleId :

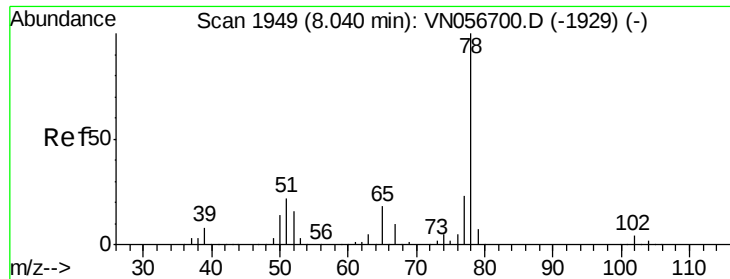
Tot Ion: 43 Resp: 966098
Ion Ratio Lower Upper
43 100
61 15.3 11.3 16.9
70 11.6 8.5 12.7



#38
Carbon Tetrachloride
Concen: 5.657 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 117 Resp: 22438
Ion Ratio Lower Upper
117 100
119 5.7 77.5 116.3#
121 0.0 24.7 37.1#





#40

Benzene

Concen: 0.517 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

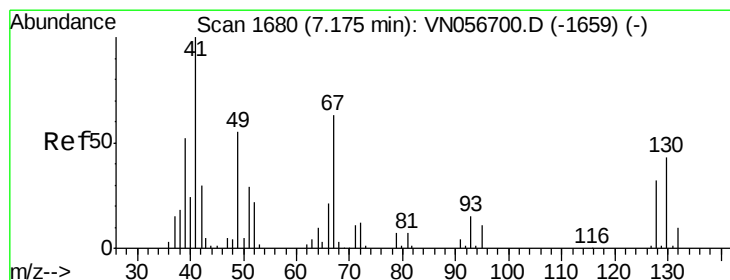
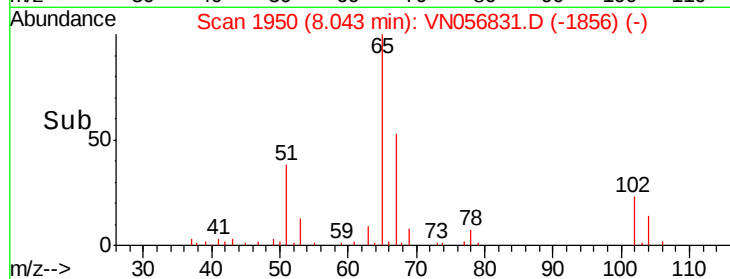
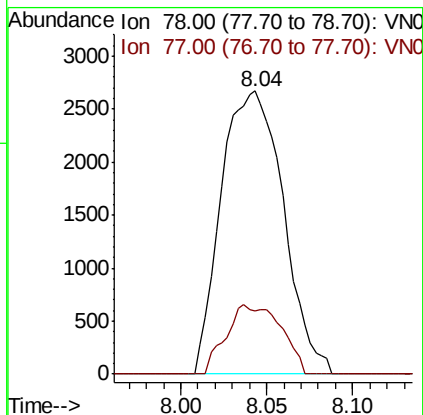
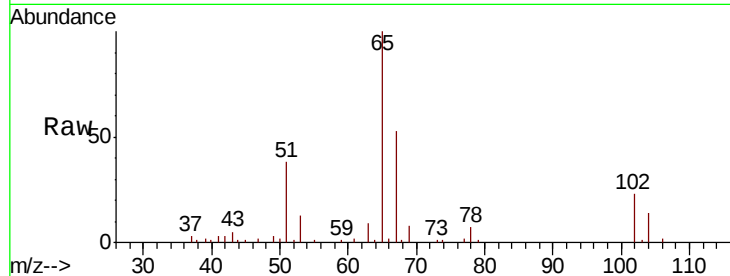
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 78 Resp: 6703

Ion Ratio Lower Upper

78 100

77 22.1 18.6 27.8



#41

Methacrylonitrile

Concen: 5.685 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.02 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Tgt Ion: 41 Resp: 10409

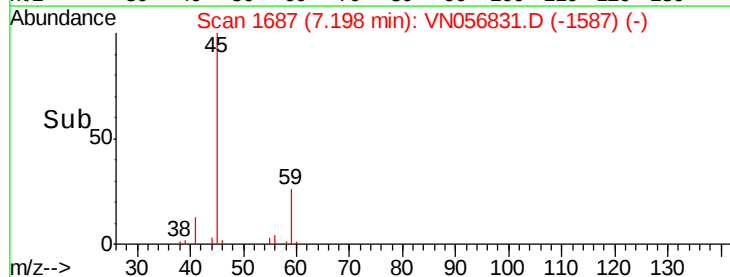
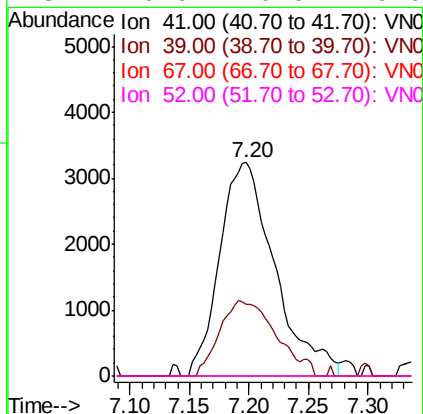
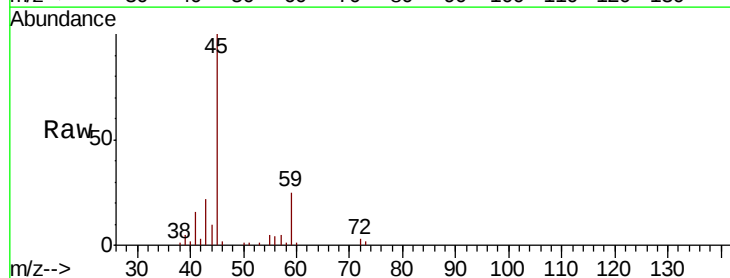
Ion Ratio Lower Upper

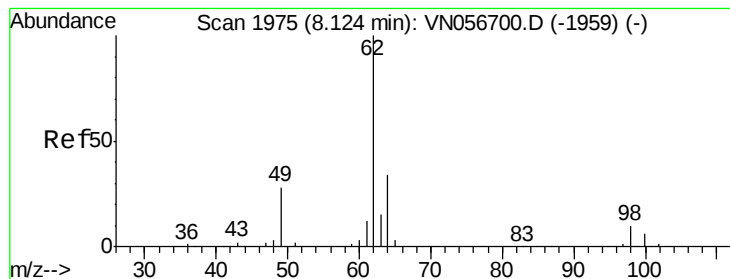
41 100

39 34.8 0.0 0.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#42

1,2-Dichloroethane

Concen: 0.319 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

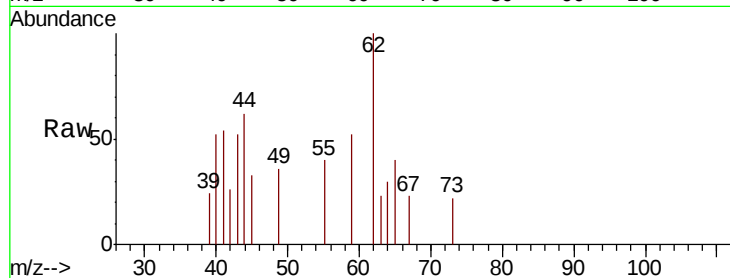
ClientSampled :

Tot Ion: 62 Resp: 1307

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.12

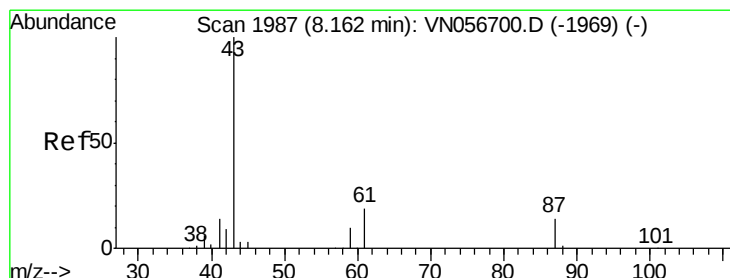
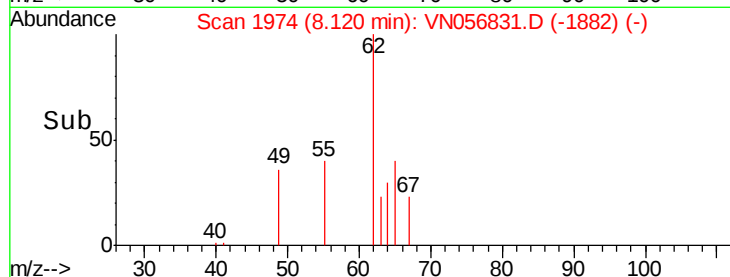
600

400

200

0

Time-->



#43

Isopropyl Acetate

Concen: 0.412 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

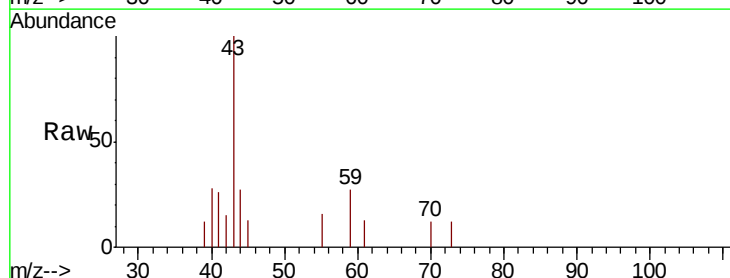
Tgt Ion: 43 Resp: 2698

Ion Ratio Lower Upper

43 100

61 14.2 22.3 33.5#

87 0.0 11.1 16.7#



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

6000

5000

4000

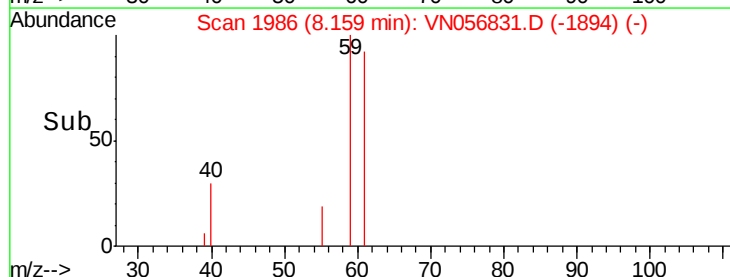
3000

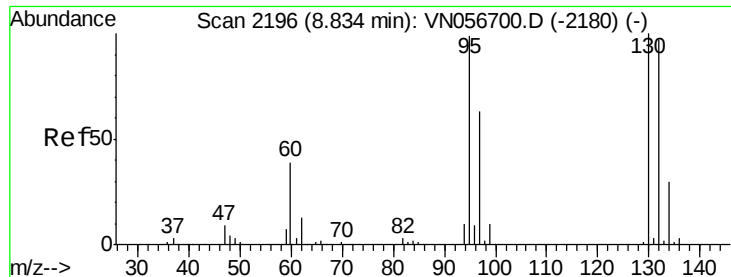
2000

1000

0

Time-->

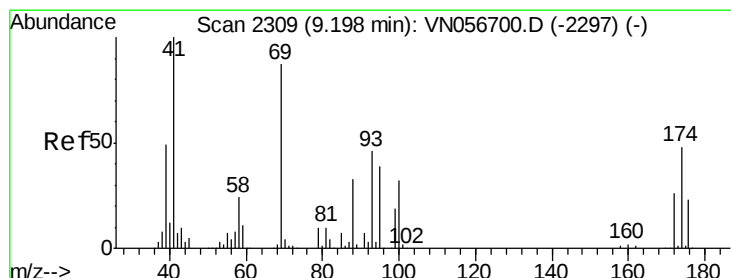
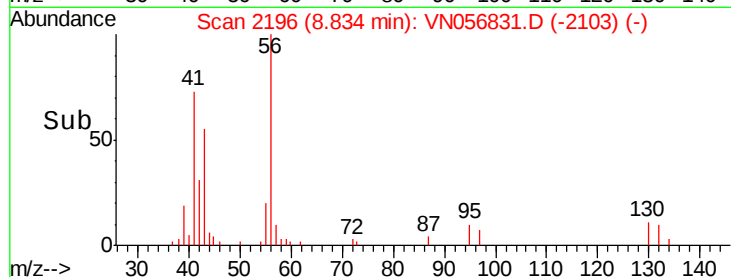
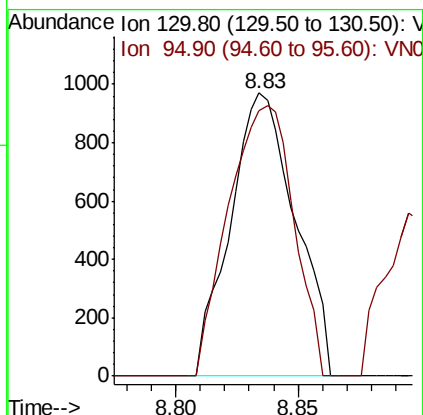
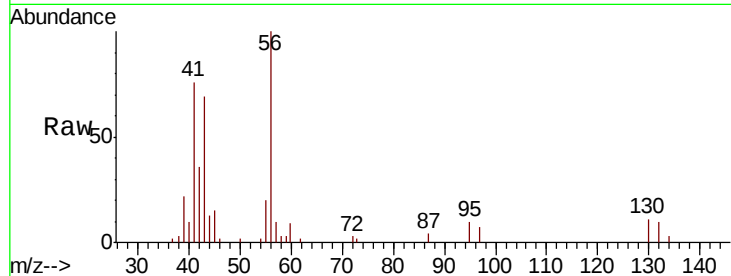




#44
 Trichloroethene
 Concen: 0.509 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

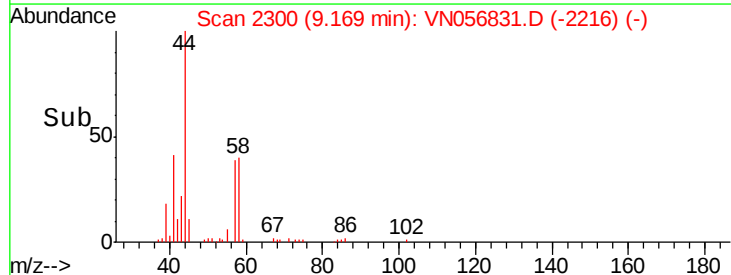
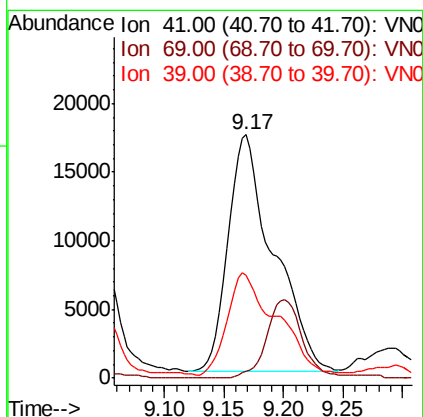
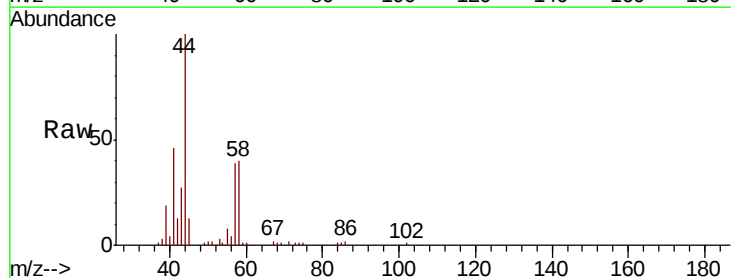
Instrument :
 MSVOA_N
 ClientSampled :

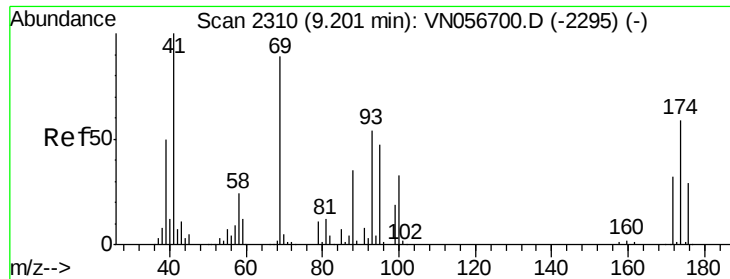
Tot Ion:130 Resp: 1790
 Ion Ratio Lower Upper
 130 100
 95 93.6 0.0 197.2



#48
 Methyl methacrylate
 Concen: 14.340 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.03 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

Tgt Ion: 41 Resp: 45446
 Ion Ratio Lower Upper
 41 100
 69 0.0 71.4 107.0#
 39 47.0 41.2 61.8

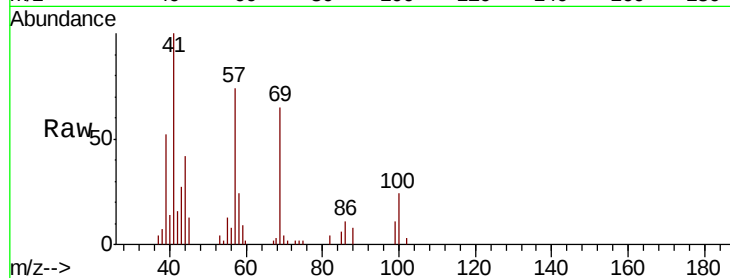




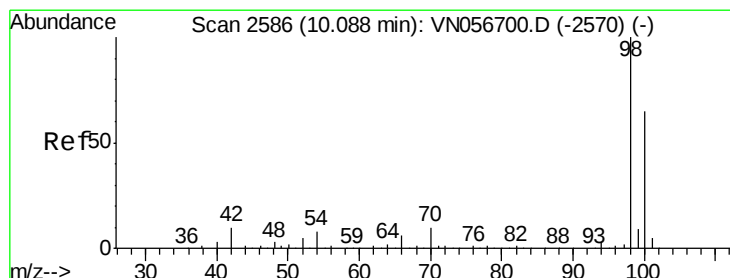
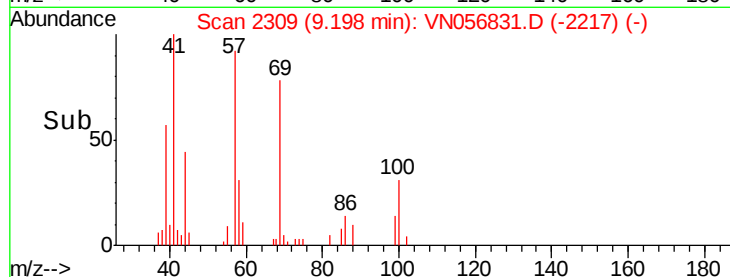
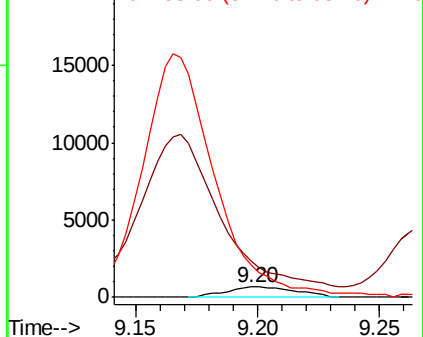
#49
1,4-Dioxane
Concen: 20.852 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 1356
Ion Ratio Lower Upper
88 100
43 0.0 23.7 35.5#
58 0.0 55.6 83.4#

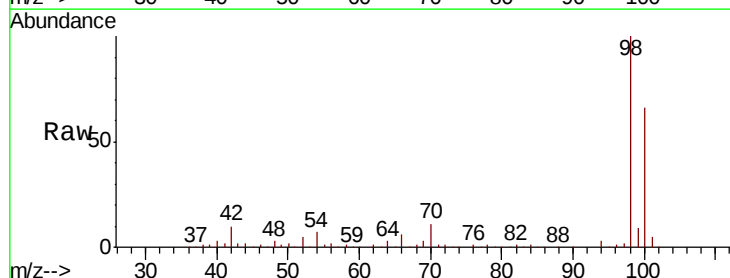


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

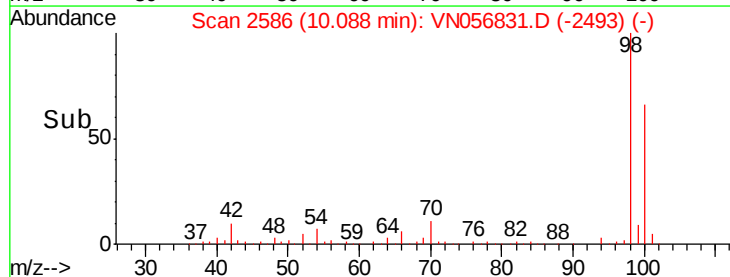
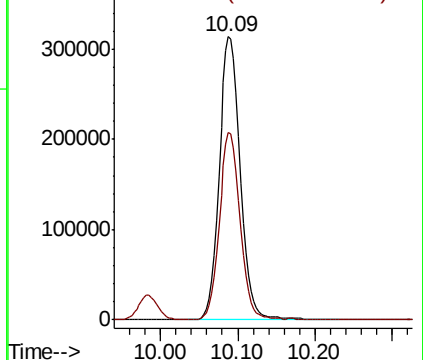


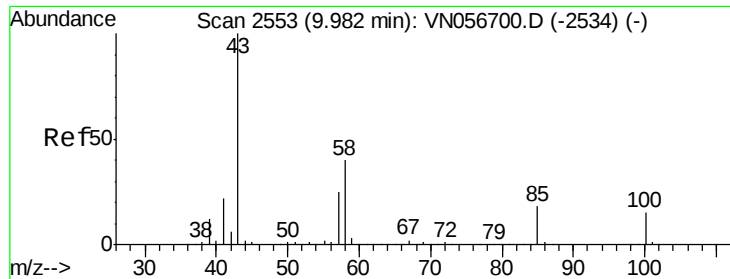
#50
Toluene-d8
Concen: 54.139 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 98 Resp: 594746
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 77.860 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

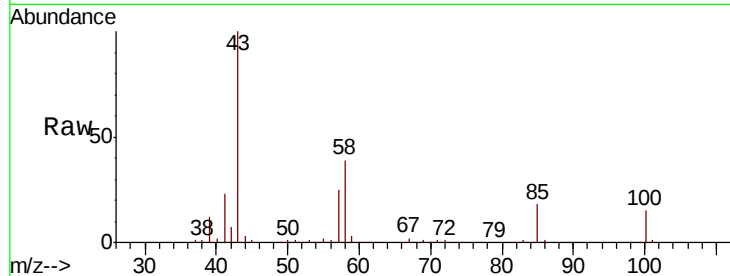
ClientSampleId :

Tot Ion: 43 Resp: 330467

Ion Ratio Lower Upper

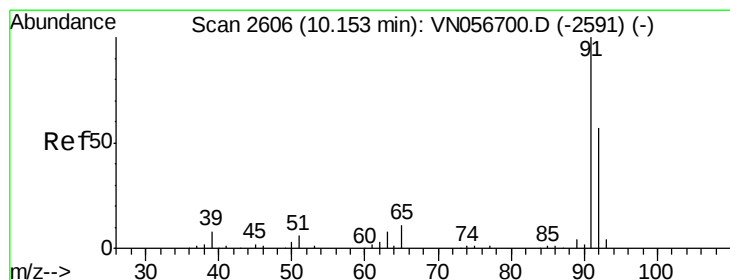
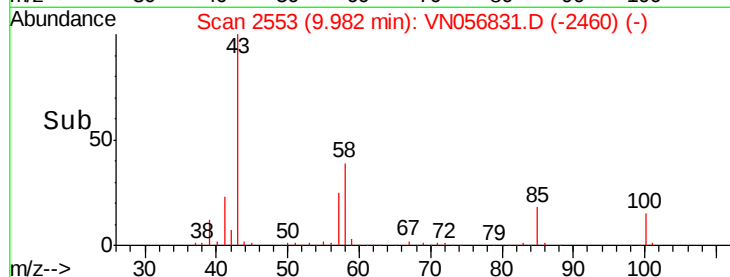
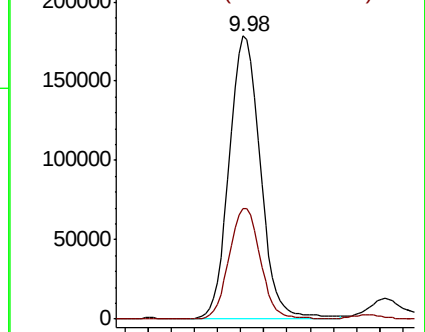
43 100

58 39.6 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 84.198 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN056831.D

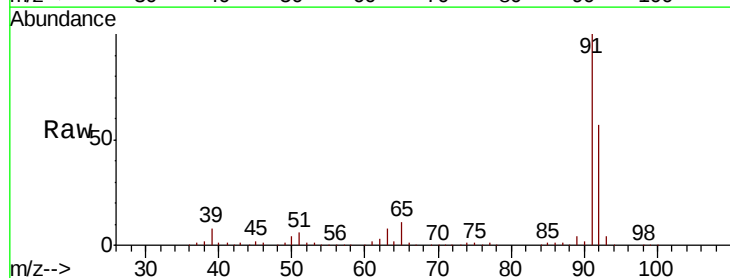
Acq: 19 Jul 2019 14:54

Tgt Ion: 92 Resp: 647999

Ion Ratio Lower Upper

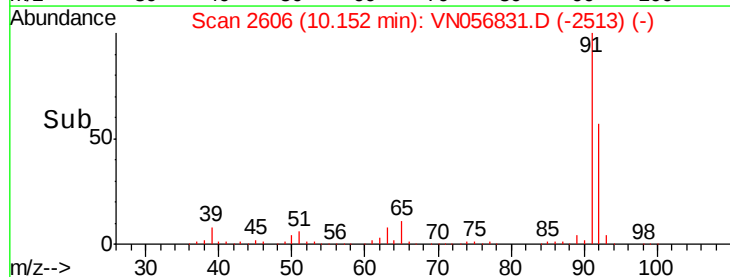
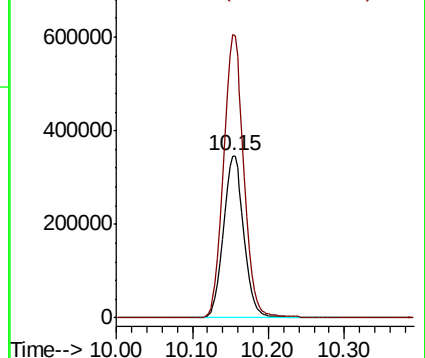
92 100

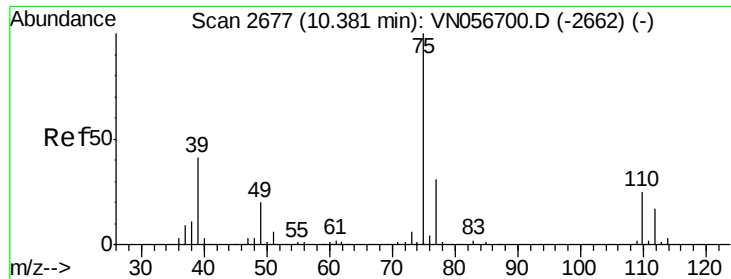
91 173.8 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

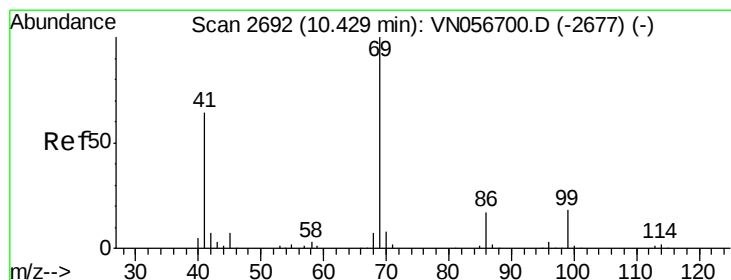
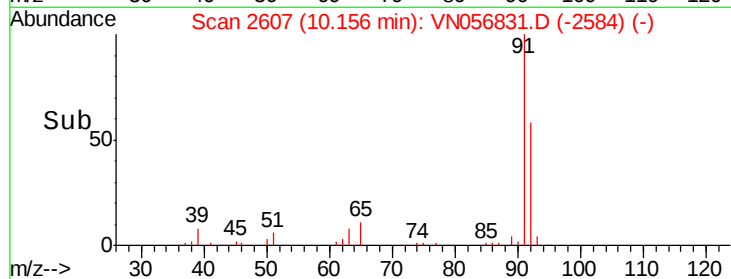
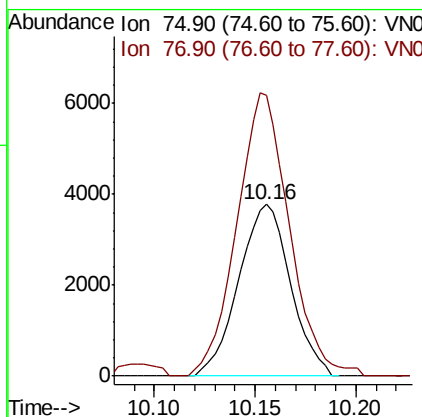
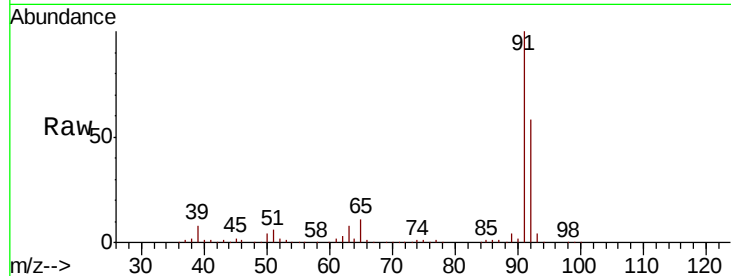




#53
t-1,3-Dichloropropene
Concen: 1.604 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.23 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

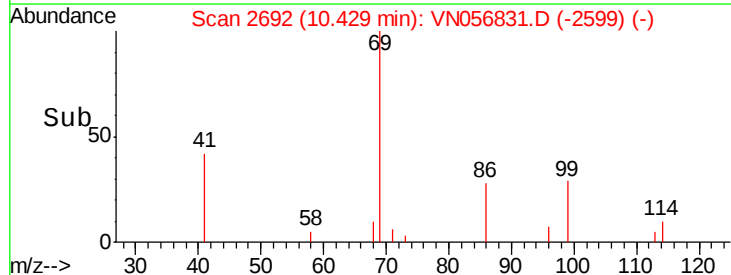
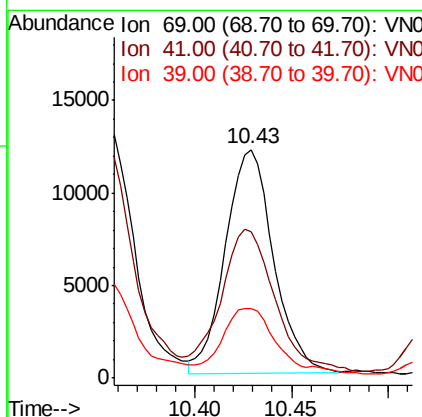
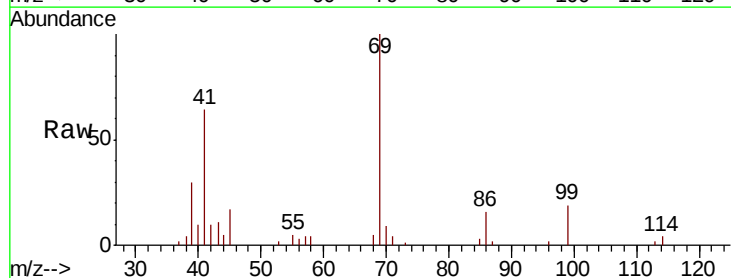
Instrument :
MSVOA_N
ClientSampleId :

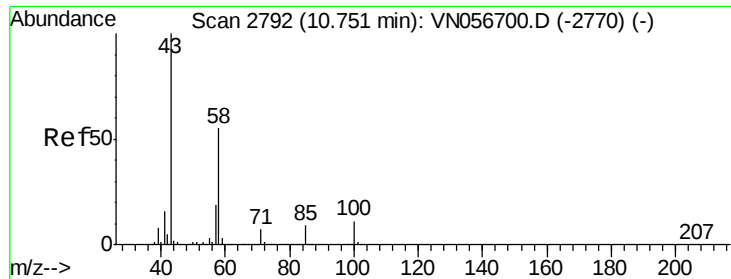
Tot Ion: 75 Resp: 6785
Ion Ratio Lower Upper
75 100
77 163.5 25.0 37.6#



#56
Ethyl methacrylate
Concen: 4.494 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 69 Resp: 20871
Ion Ratio Lower Upper
69 100
41 73.6 51.0 76.4
39 33.5 24.6 36.8

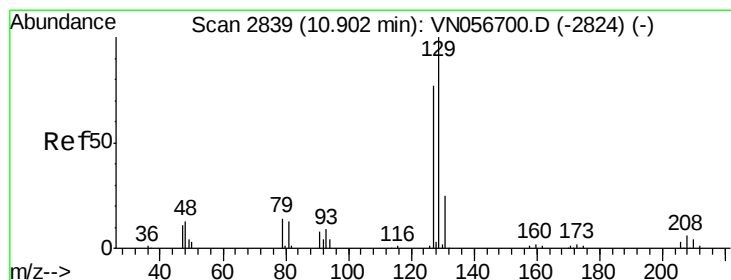
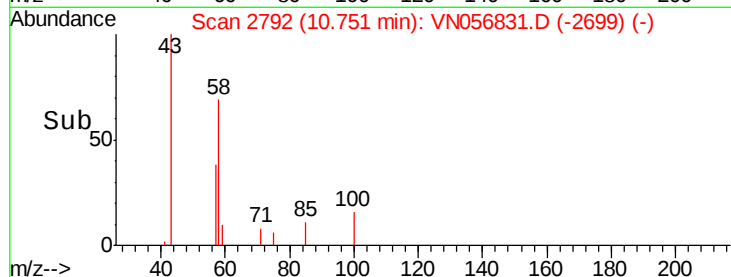
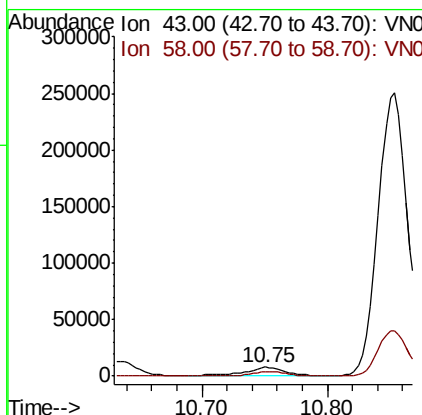
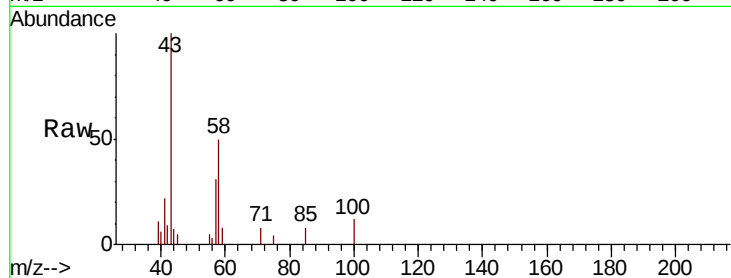




#59
2-Hexanone
Concen: 5.086 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

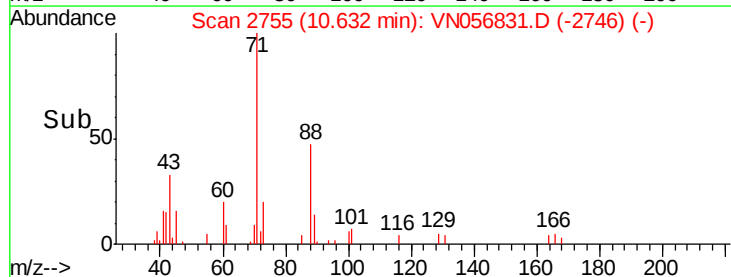
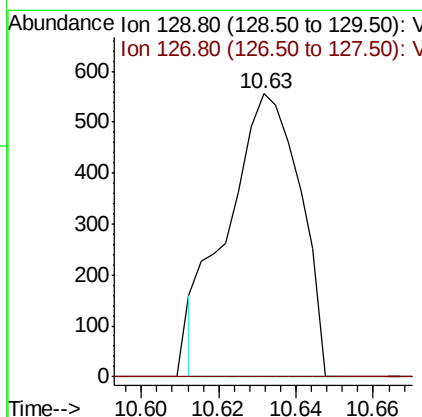
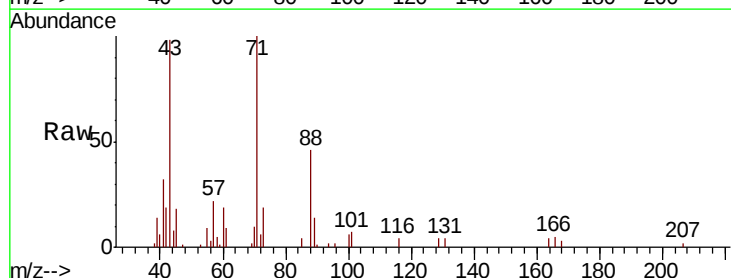
Instrument :
MSVOA_N
ClientSampled :

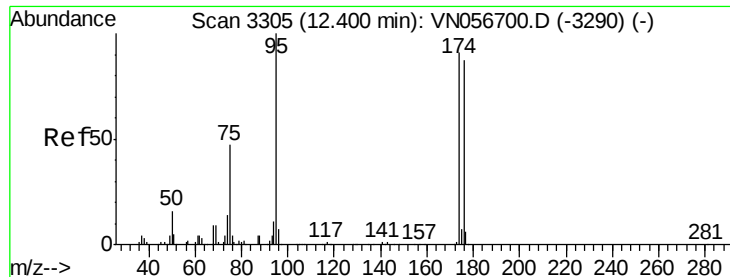
Tot Ion: 43 Resp: 15488
Ion Ratio Lower Upper
43 100
58 51.3 27.9 83.6



#60
Dibromochloromethane
Concen: 0.228 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.27 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 129 Resp: 724
Ion Ratio Lower Upper
129 100
127 0.0 38.2 114.6#

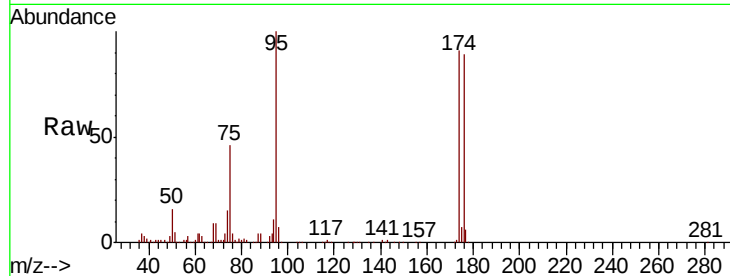




#62
4-Bromofluorobenzene
Concen: 65.016 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :

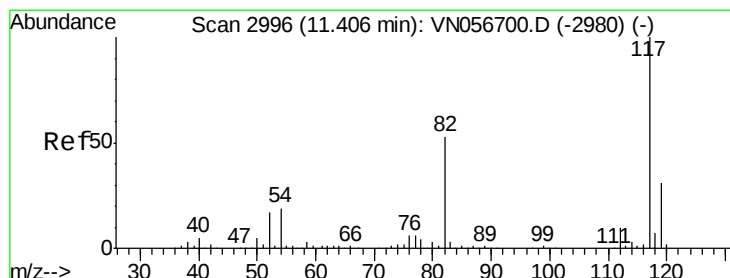
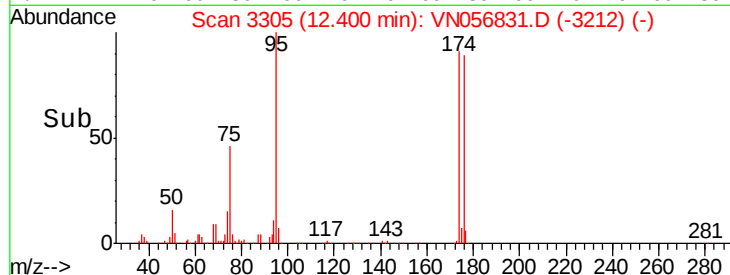
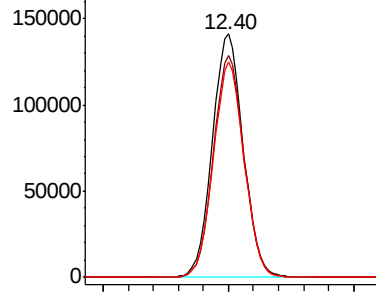
Tot Ion	95	Resp	240863
Ion Ratio	Lower	Upper	
95	100		
174	91.0	0.0	180.0
176	88.2	0.0	173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056700.D (-3290) (-)

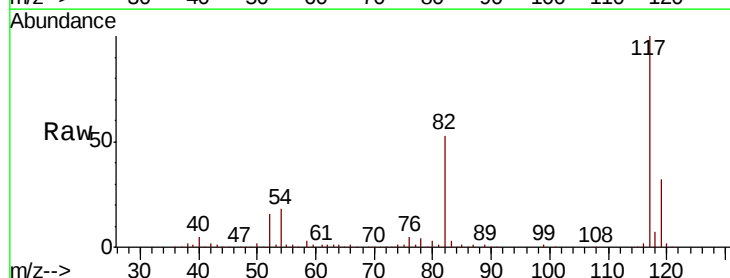
Ion 173.80 (173.50 to 174.50): VN056700.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN056700.D (-3290) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

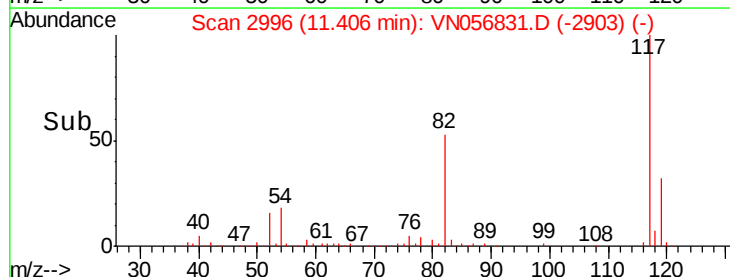
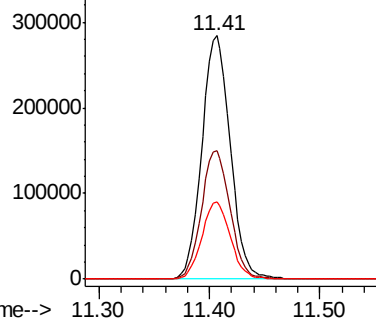
Tgt Ion	117	Resp	508856
Ion Ratio	Lower	Upper	
117	100		
82	52.7	42.2	63.2
119	31.7	25.2	37.8

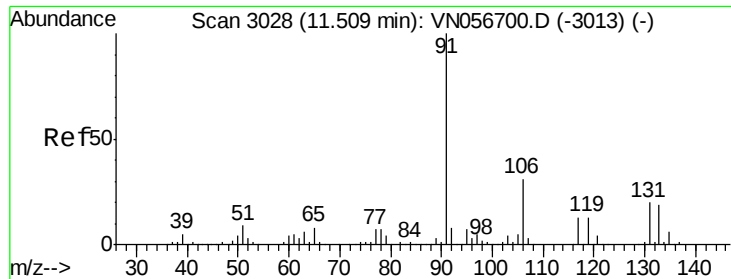


Abundance Ion 116.90 (116.60 to 117.60): VN056700.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN056700.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN056700.D (-2980) (-)

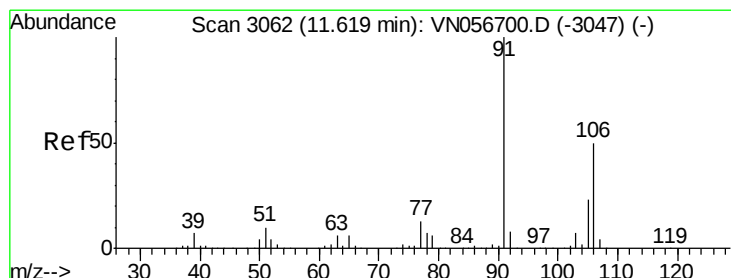
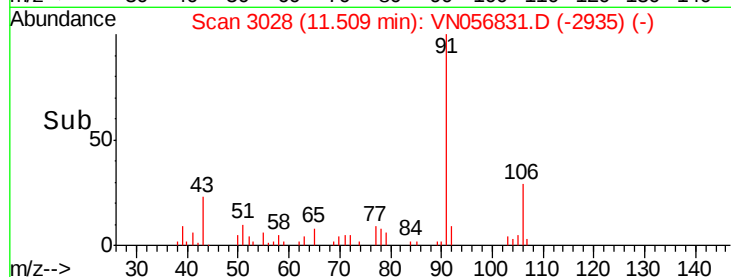
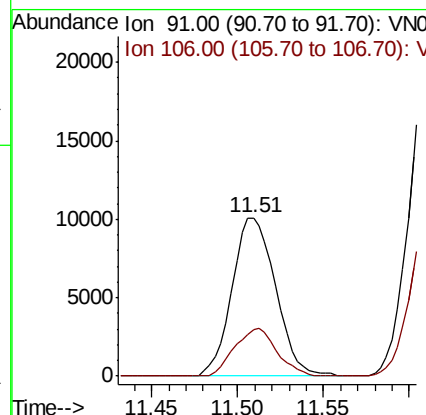
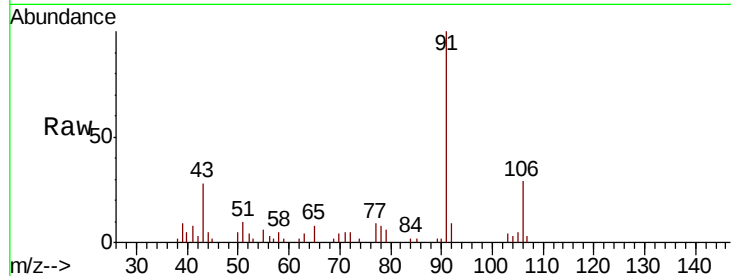




#67
Ethyl Benzene
Concen: 0.972 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

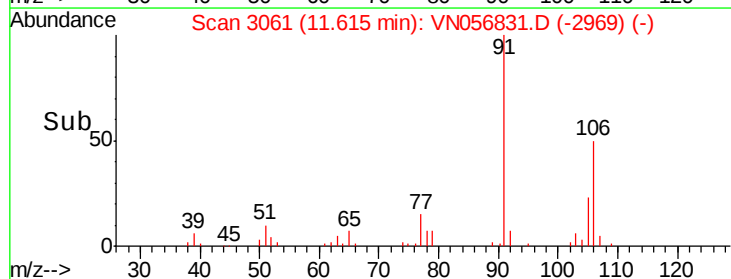
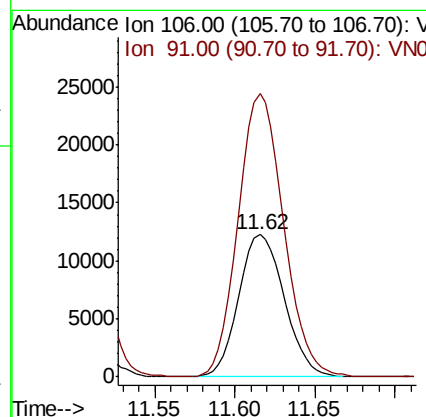
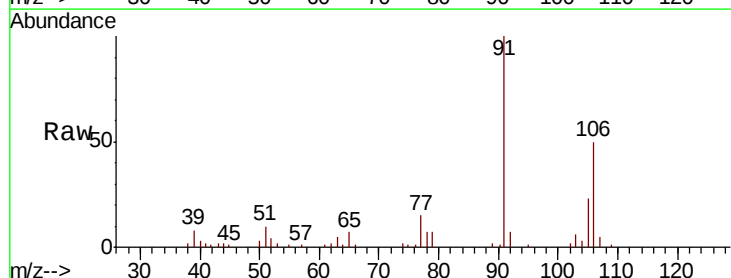
Instrument :
MSVOA_N
ClientSampled :

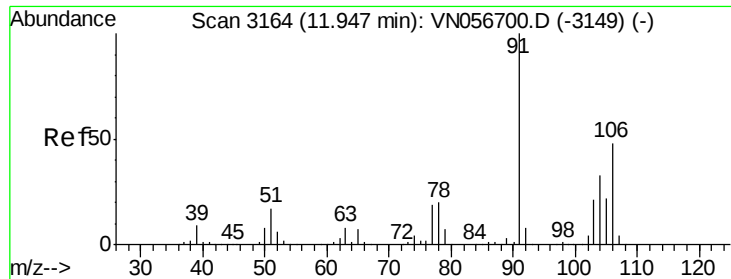
Tot Ion: 91 Resp: 17777
Ion Ratio Lower Upper
91 100
106 29.5 24.8 37.2



#68
m/p-Xylenes
Concen: 3.498 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion: 106 Resp: 23905
Ion Ratio Lower Upper
106 100
91 197.9 160.5 240.7

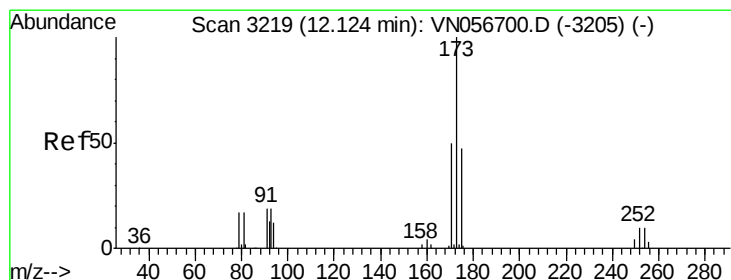
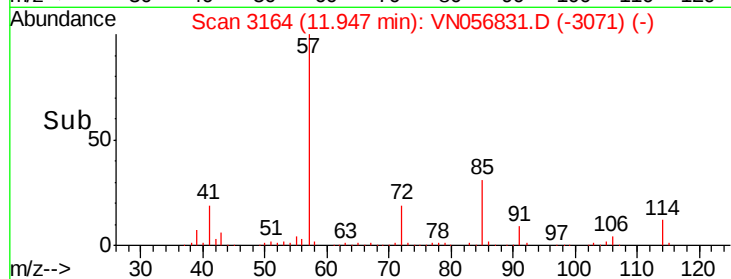
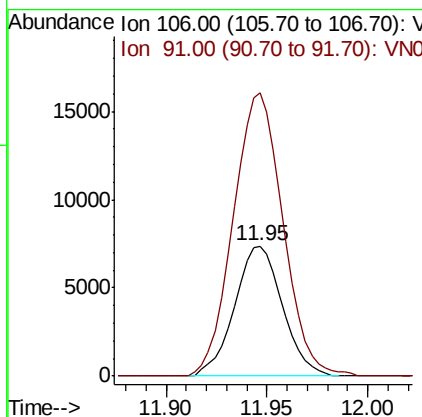
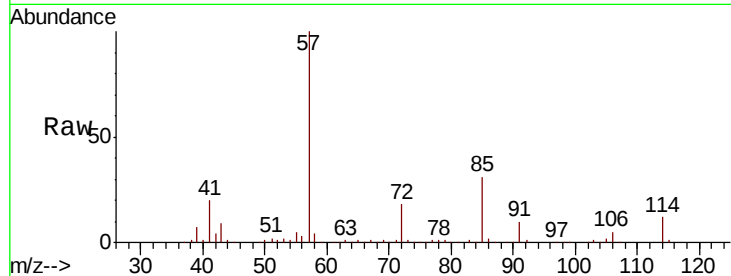




#69
o-Xylene
Concen: 1.824 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

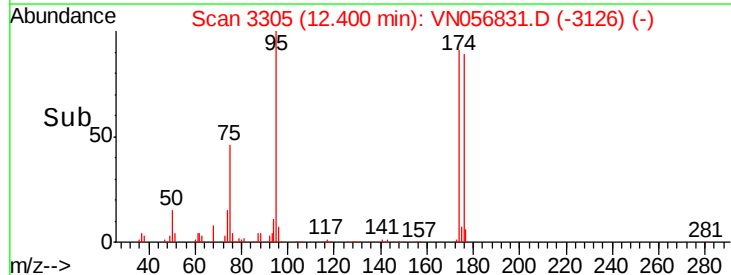
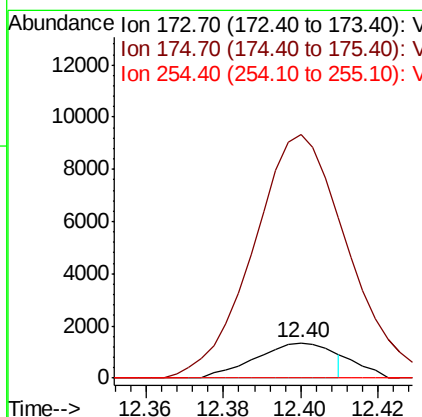
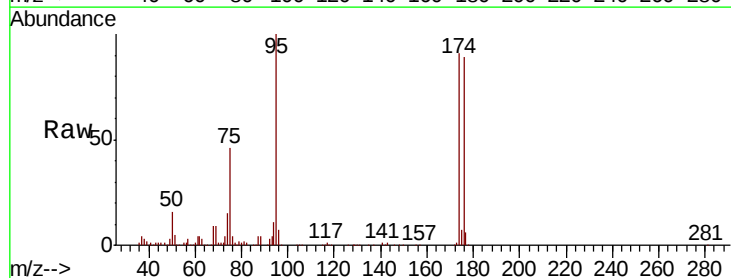
Instrument :
MSVOA_N
ClientSampleId :

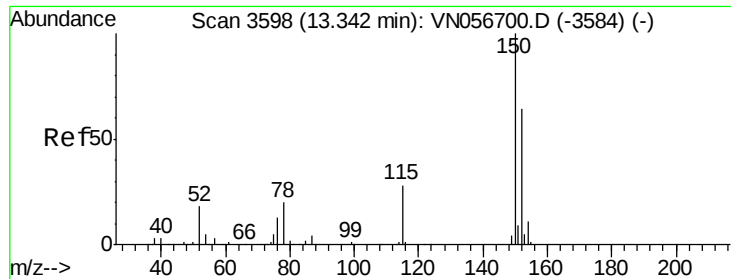
Tot Ion:106 Resp: 12256
Ion Ratio Lower Upper
106 100
91 226.2 105.6 316.8



#71
Bromoform
Concen: 0.641 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion:173 Resp: 1867
Ion Ratio Lower Upper
173 100
175 702.7 23.8 71.4#
254 0.0 0.0 0.0



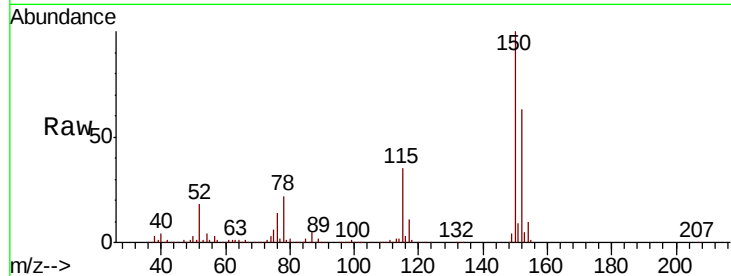


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.2	84.7
150	158.5	0.0	345.8

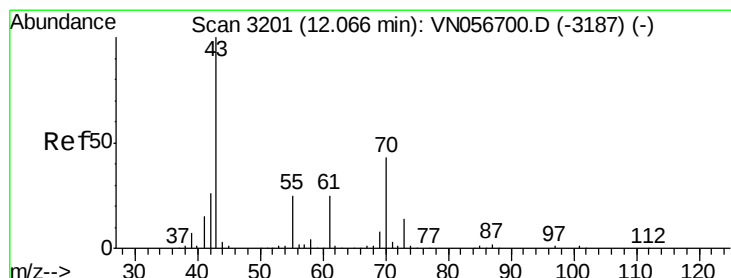
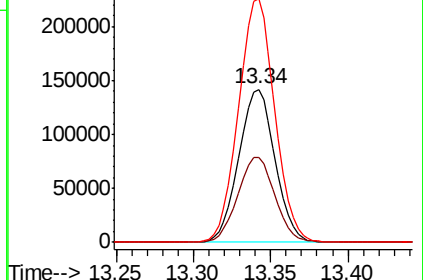
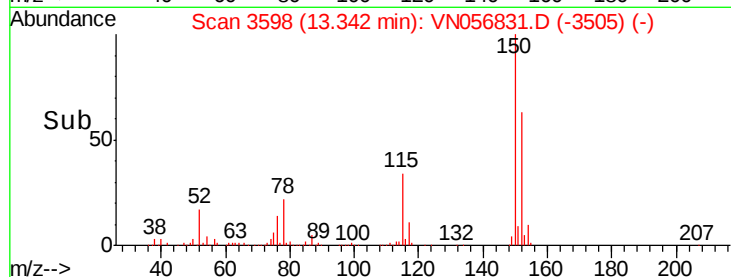


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

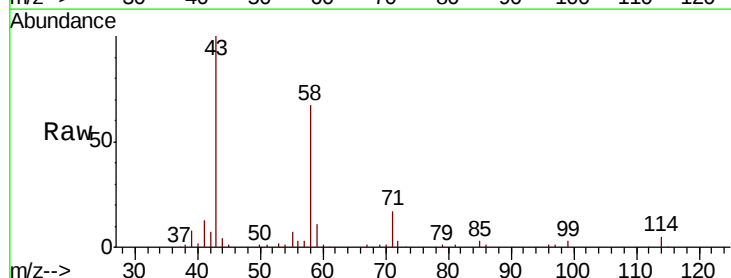
Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate
Concen: 11.353 ug/l
RT: 12.02 min Scan# 3188
Delta R.T. -0.04 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.6	34.5	51.7#
55	0.0	20.2	30.2#
61	0.0	19.9	29.9#



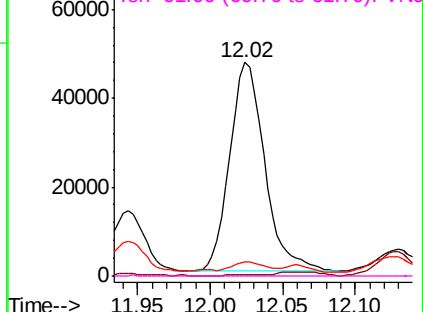
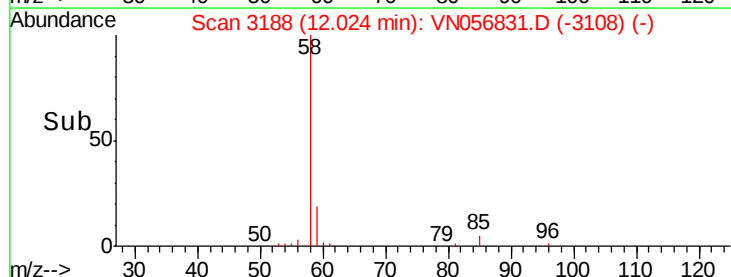
Abundance

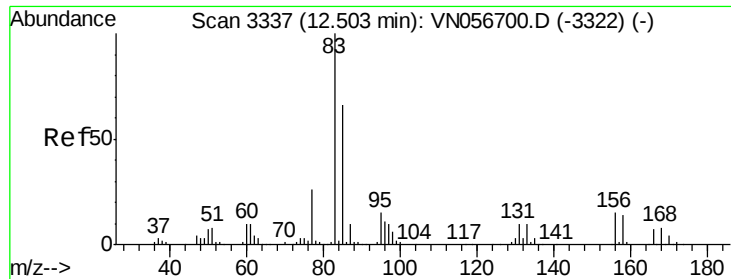
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.46 min Scan# 3323

Delta R.T. -0.04 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

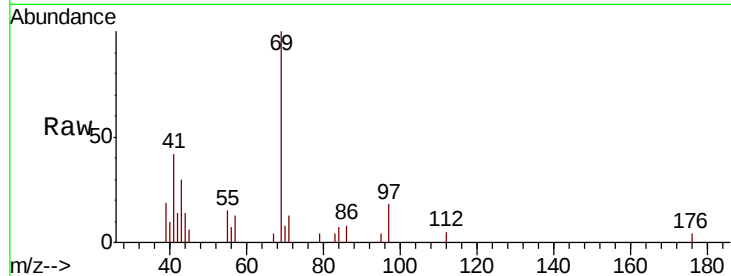
Tot Ion: 83 Resp: 69

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

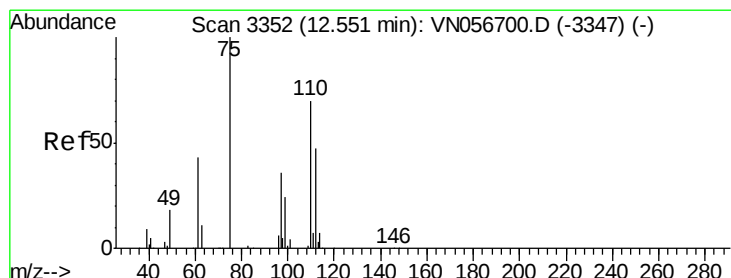
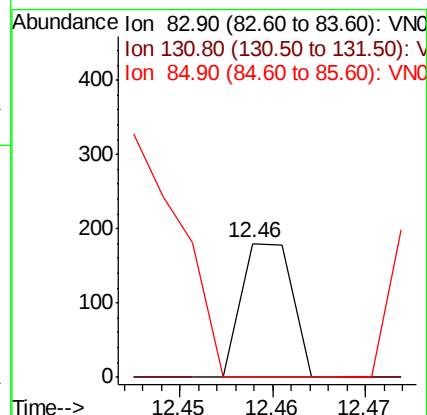
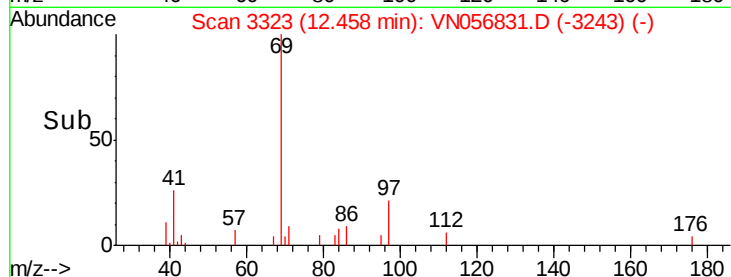
85 0.0 32.6 97.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 21.883 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056831.D

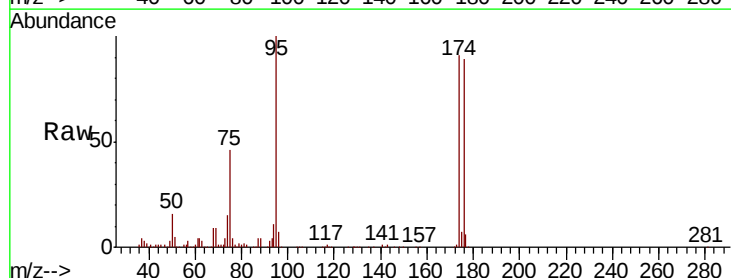
Acq: 19 Jul 2019 14:54

Tgt Ion: 75 Resp: 110917

Ion Ratio Lower Upper

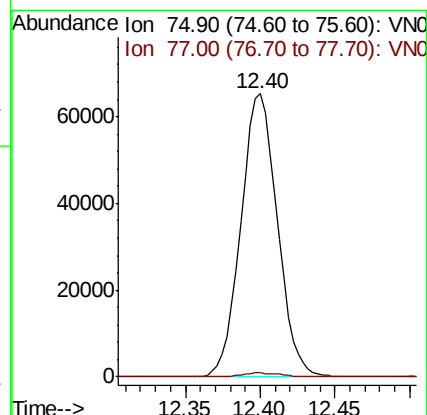
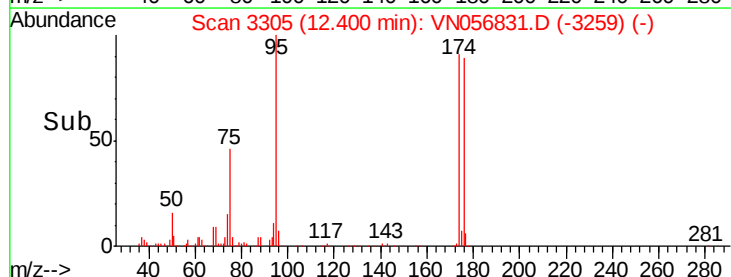
75 100

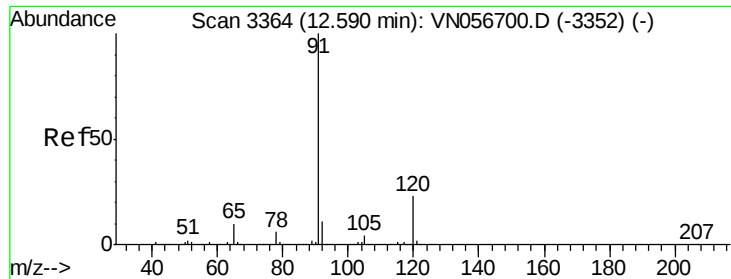
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.401 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

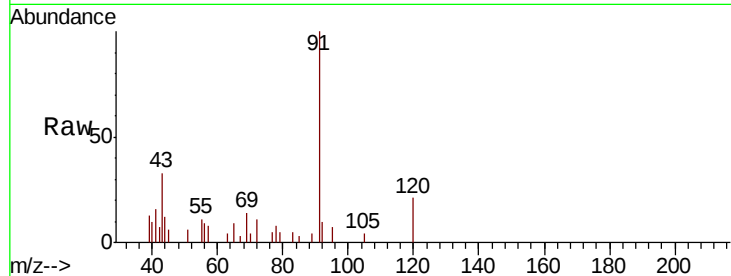
ClientSampled :

Tot Ion: 91 Resp: 8323

Ion Ratio Lower Upper

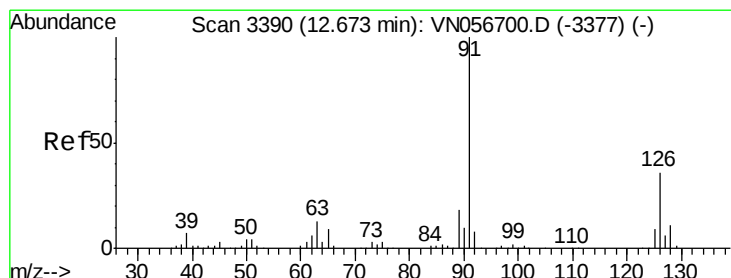
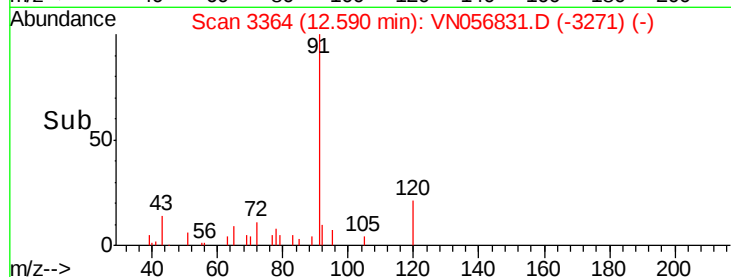
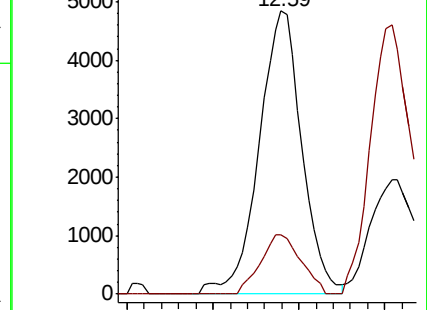
91 100

120 19.8 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN056831.D

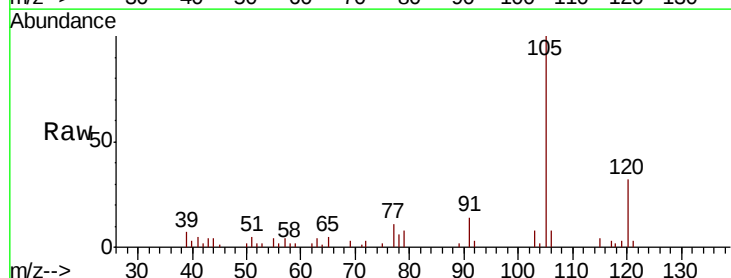
Acq: 19 Jul 2019 14:54

Tgt Ion: 91 Resp: 3001

Ion Ratio Lower Upper

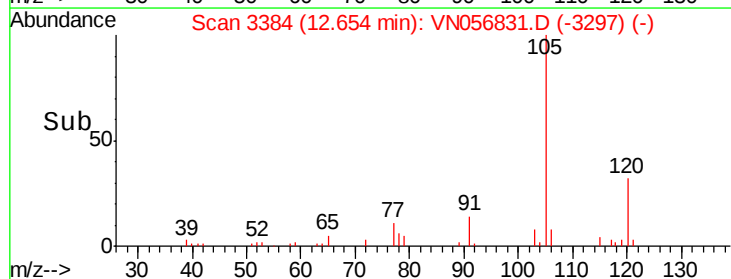
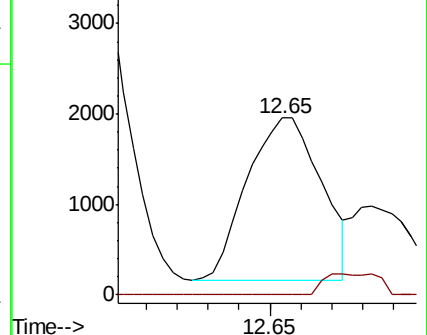
91 100

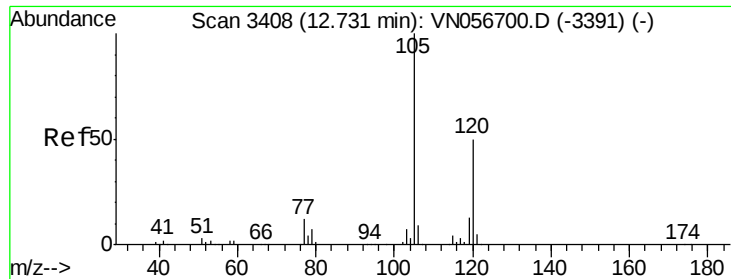
126 9.5 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.781 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

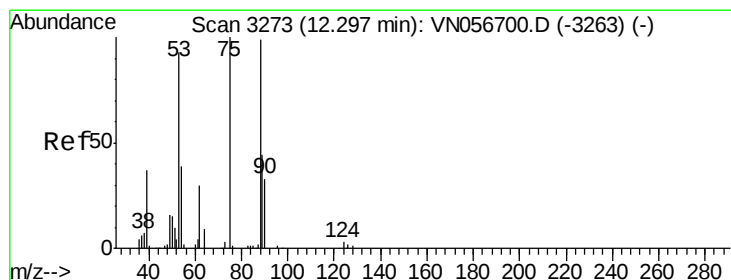
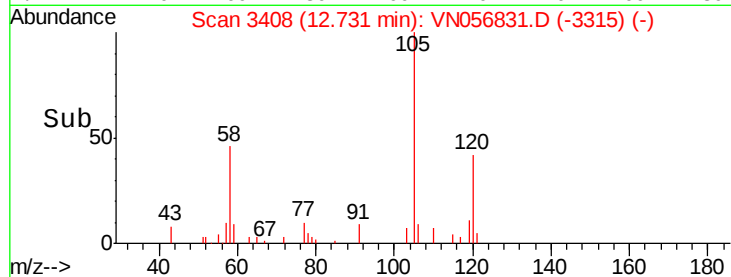
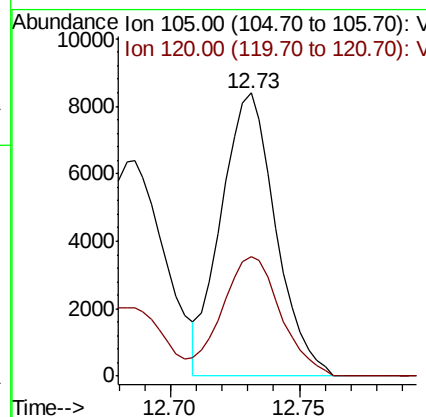
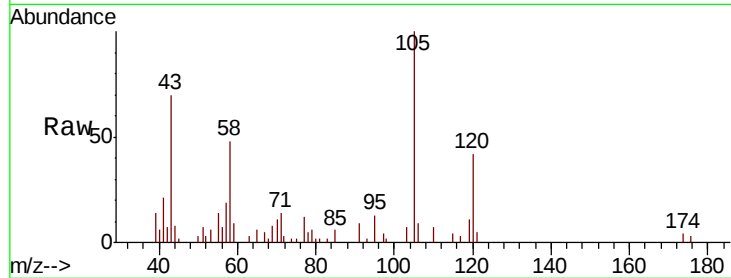
ClientSampleId :

Tot Ion:105 Resp: 12364

Ion Ratio Lower Upper

105 100

120 46.0 24.8 74.3



#81

trans-1,4-Dichloro-2-butene

Concen: 67.581 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

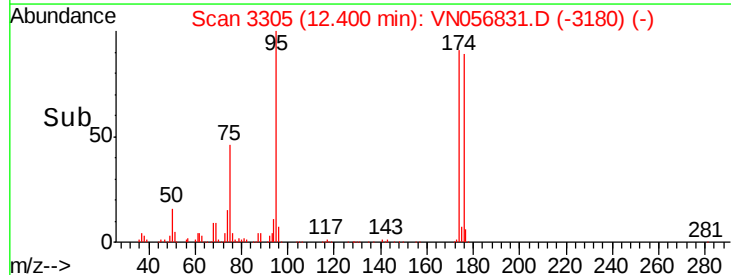
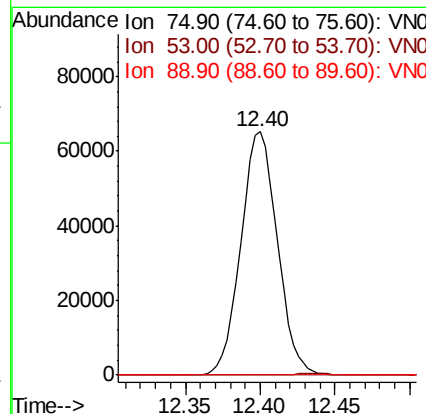
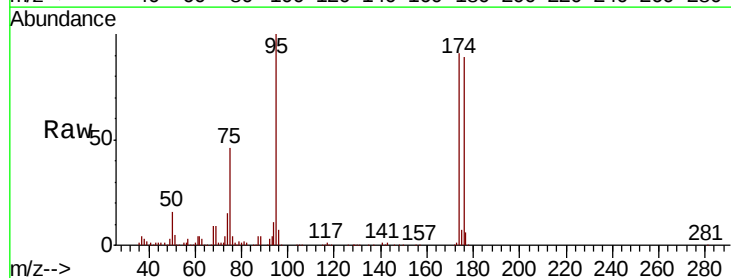
Tgt Ion: 75 Resp: 110917

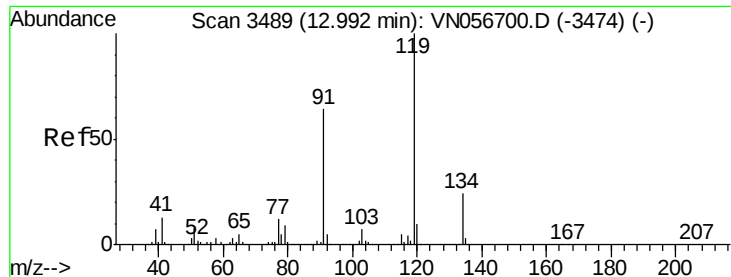
Ion Ratio Lower Upper

75 100

53 0.1 73.7 110.5#

89 0.0 36.2 54.2#

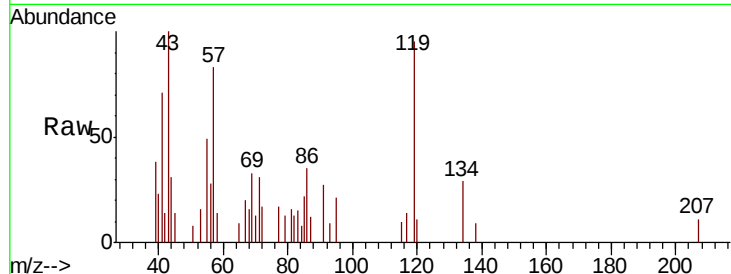




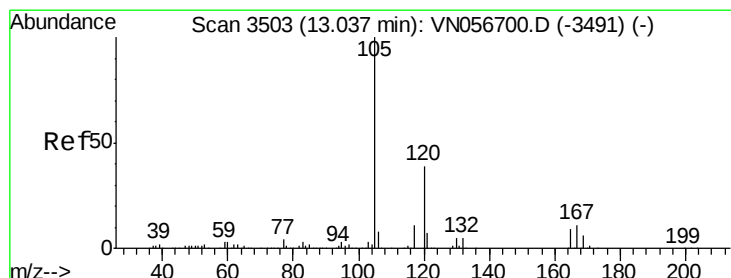
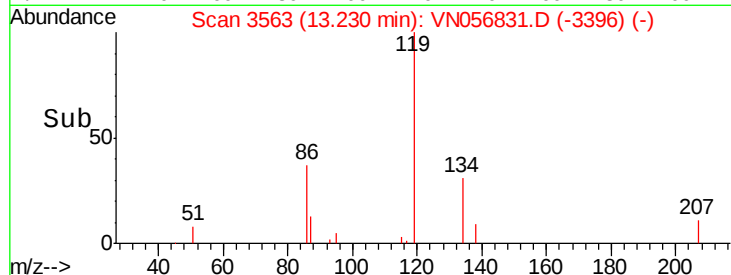
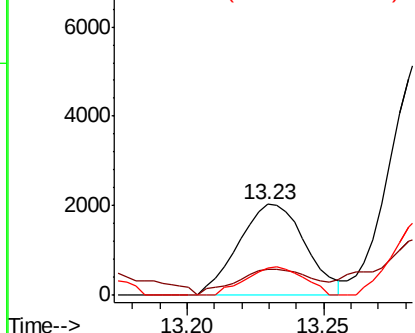
#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.23 min Scan# 3563
Delta R.T. 0.24 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 3462
Ion Ratio Lower Upper
119 100
91 33.0 31.8 95.4
134 26.7 13.0 38.9

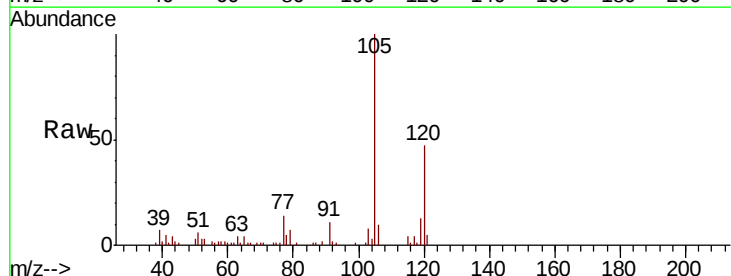


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

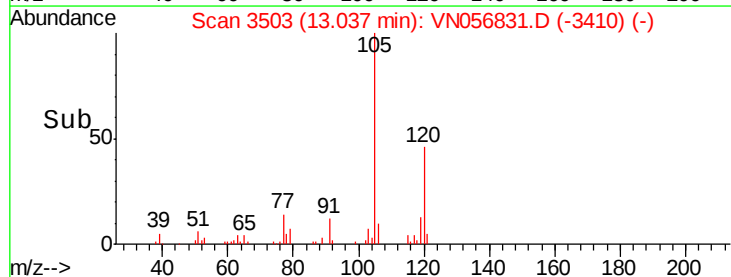
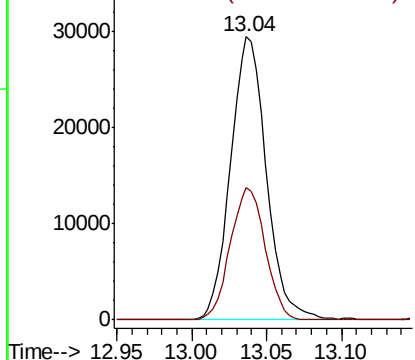


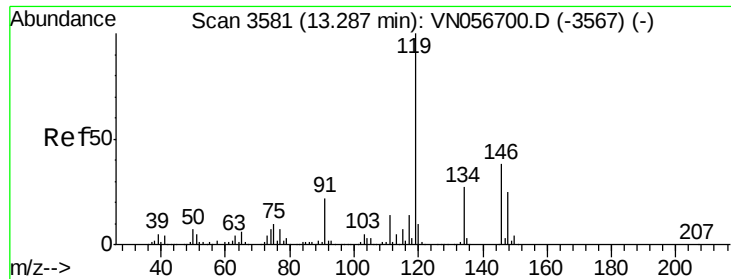
#84
1,2,4-Trimethylbenzene
Concen: 3.168 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056831.D
Acq: 19 Jul 2019 14:54

Tgt Ion:105 Resp: 49019
Ion Ratio Lower Upper
105 100
120 45.5 22.9 68.8



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

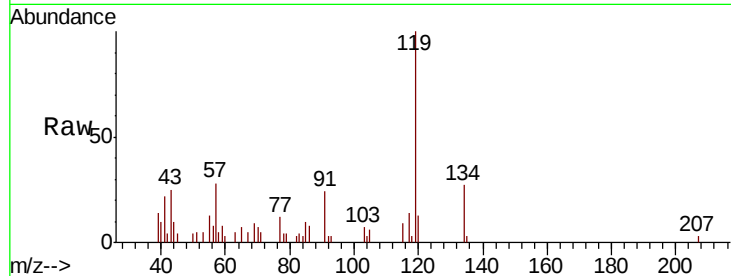




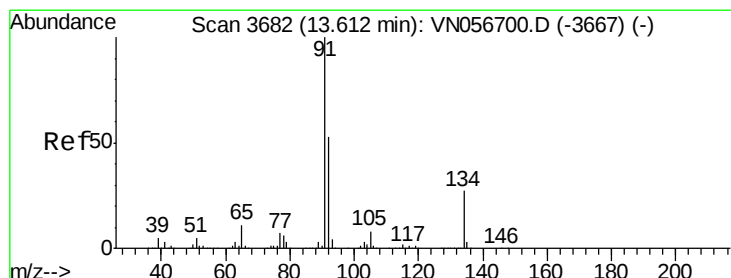
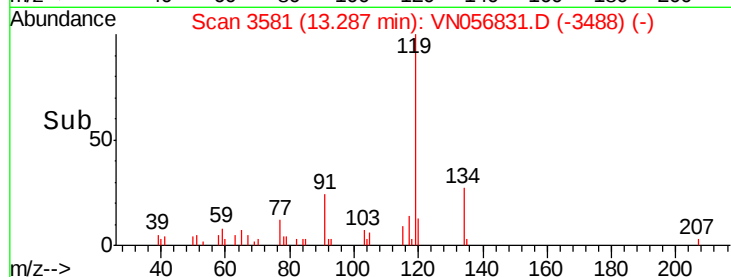
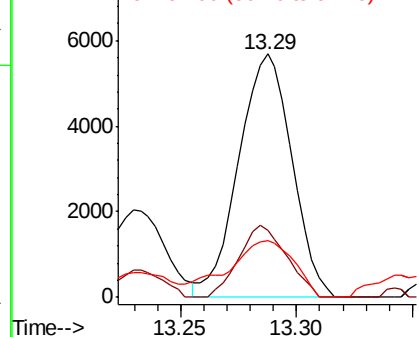
#86
 p-Isopropyltoluene
 Concen: 0.569 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 119 Resp: 9074
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.6 40.7
 91 28.8 11.2 33.5

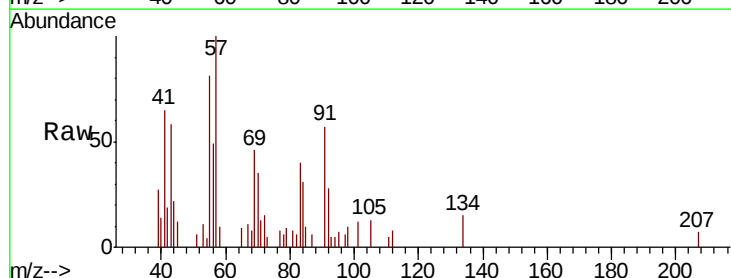


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

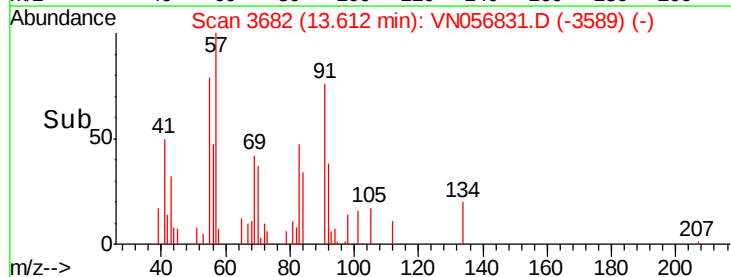
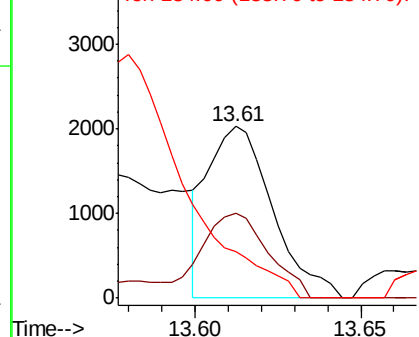


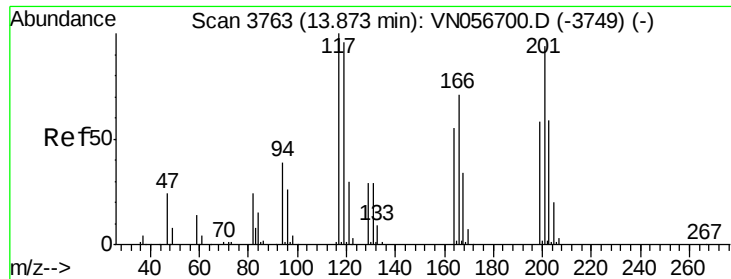
#89
 n-Butylbenzene
 Concen: 0.214 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN056831.D
 Acq: 19 Jul 2019 14:54

Tgt Ion: 91 Resp: 2754
 Ion Ratio Lower Upper
 91 100
 92 52.1 26.0 78.0
 134 0.0 13.4 40.2#



Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 92.00 (91.70 to 92.70): V
 Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.617 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

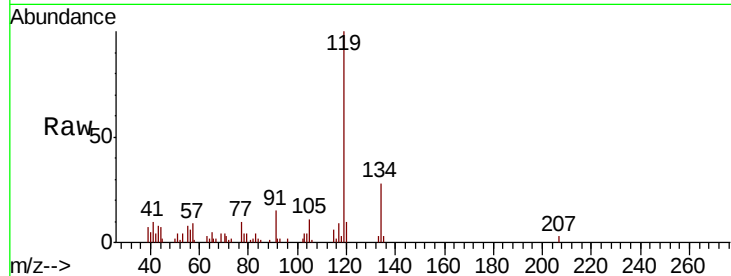
ClientSampleId :

Tot Ion:117 Resp: 1590

Ion Ratio Lower Upper

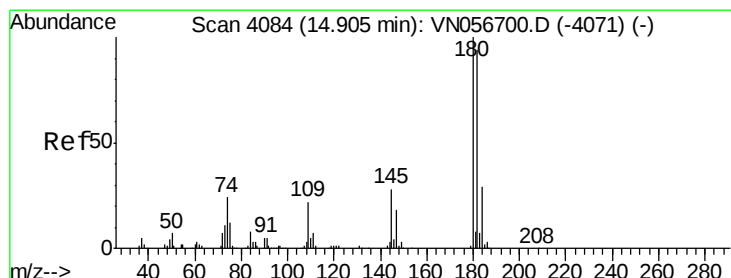
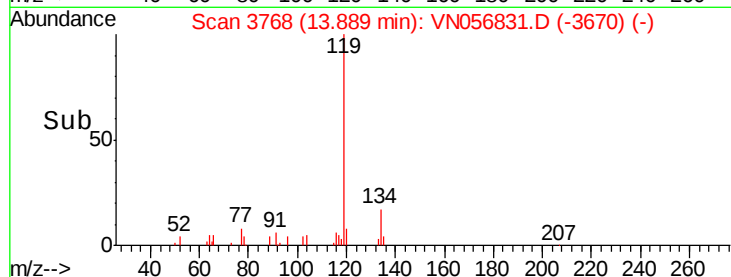
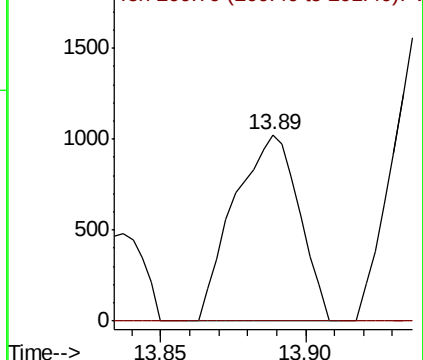
117 100

201 0.0 46.5 139.5#



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: 3.740 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

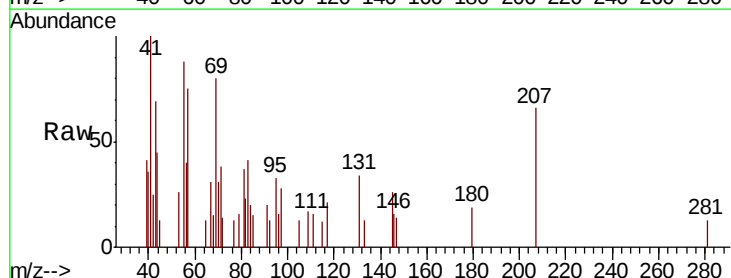
Tgt Ion:180 Resp: 236

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

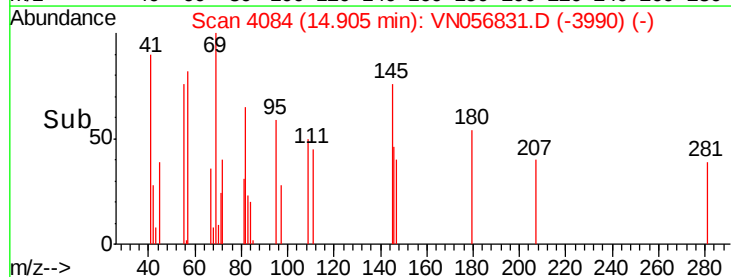
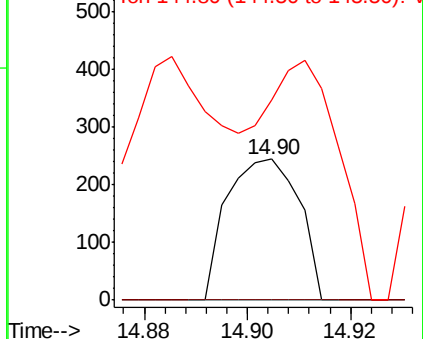
145 160.6 14.2 42.8#

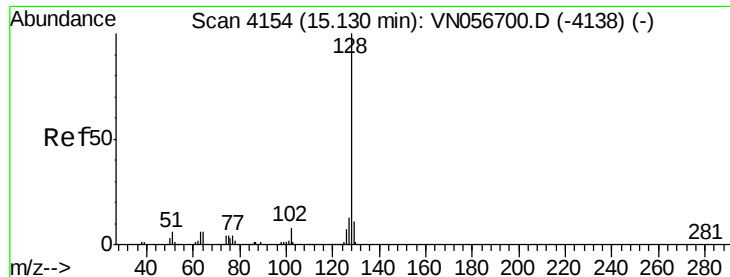


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 20.175 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

Instrument :

MSVOA_N

ClientSampleId :

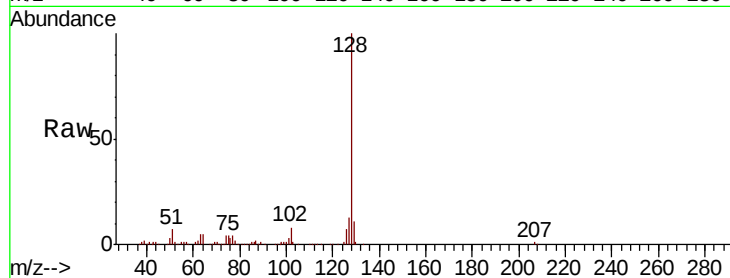
Tot Ion:128 Resp: 213649

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.0 8.7 13.1

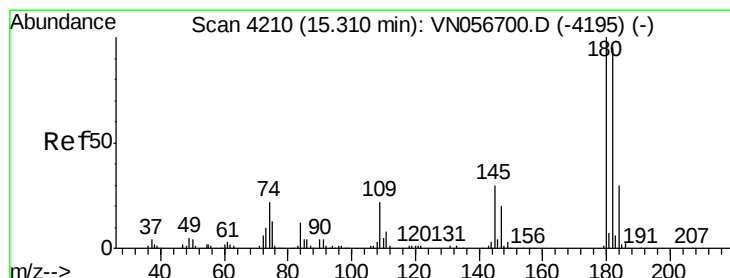
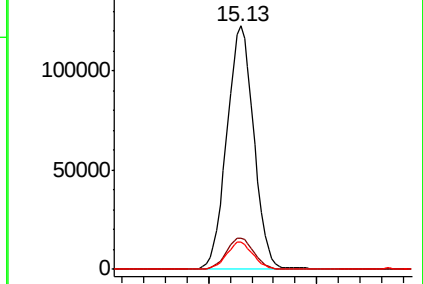
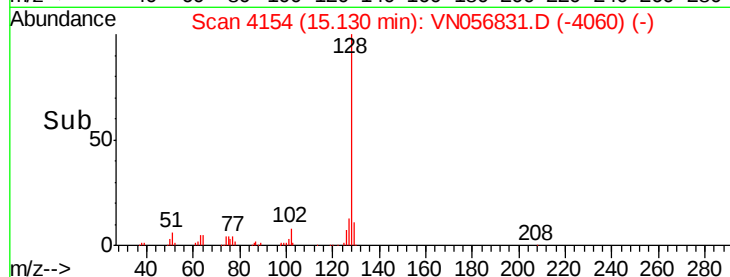


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13



#96

1,2,3-Trichlorobenzene

Concen: 3.372 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056831.D

Acq: 19 Jul 2019 14:54

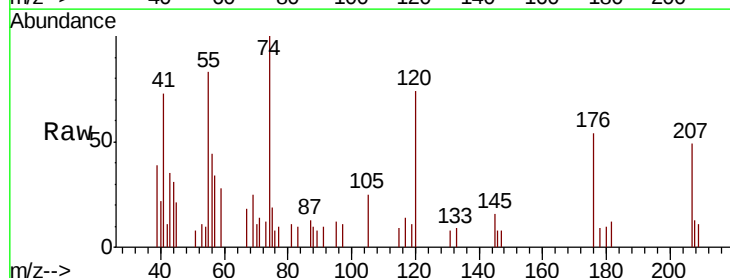
Tgt Ion:180 Resp: 236

Ion Ratio Lower Upper

180 100

182 139.8 47.1 141.3

145 0.0 15.0 45.1#



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

15.31

