

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058202.D
 Acq On : 19 Sep 2019 13:51
 Operator : JC/SP
 Sample : VN0919WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 20 01:50:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	494169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	833376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	759922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	358725	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	368509	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
35) Dibromofluoromethane	7.57	113	258762	51.08	ug/l	0.00
Spiked Amount			Recovery	=	102.16%	
50) Toluene-d8	10.08	98	1037603	52.57	ug/l	0.00
Spiked Amount			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.40	95	364511	49.71	ug/l	0.00
Spiked Amount			Recovery	=	99.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	78229	19.271	ug/l	99
3) Chloromethane	2.04	50	64263	19.915	ug/l	100
4) Vinyl Chloride	2.17	62	69670	19.814	ug/l	100
5) Bromomethane	2.55	94	34663	19.583	ug/l	99
6) Chloroethane	2.69	64	44559	19.252	ug/l	95
7) Trichlorofluoromethane	3.00	101	103834	18.739	ug/l	96
8) Diethyl Ether	3.39	74	48576	19.133	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	76177	19.068	ug/l	99
10) Methyl Iodide	3.93	142	58506	17.477	ug/l	99
11) Tert butyl alcohol	4.75	59	79387	96.964	ug/l	98
12) 1,1-Dichloroethene	3.72	96	61052	19.923	ug/l	99
13) Acrolein	3.59	56	18546	152.853	ug/l	100
14) Allyl chloride	4.30	41	122897	18.800	ug/l	98
15) Acrylonitrile	4.96	53	222954	102.211	ug/l	99
16) Acetone	3.80	43	194472	83.239	ug/l	99
17) Carbon Disulfide	4.03	76	74185	17.560	ug/l	99
18) Methyl Acetate	4.30	43	117689	19.144	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	297240	19.727	ug/l	98
20) Methylene Chloride	4.53	84	84267	20.470	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	65828	19.681	ug/l	96
22) Diisopropyl ether	5.93	45	324472	19.540	ug/l	92
23) Vinyl Acetate	5.87	43	1151138	101.310	ug/l	100
24) 1,1-Dichloroethane	5.83	63	170813	19.273	ug/l	99
25) 2-Butanone	6.81	43	299288	94.029	ug/l	99
26) 2,2-Dichloropropane	6.81	77	129254	17.191	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	96328	19.222	ug/l	98
28) Bromochloromethane	7.18	49	87734	20.926	ug/l	99
29) Tetrahydrofuran	7.19	42	189312	96.558	ug/l	99
30) Chloroform	7.36	83	185249	19.418	ug/l	98
31) Cyclohexane	7.64	56	117409	18.997	ug/l	92
32) 1,1,1-Trichloroethane	7.55	97	142684	19.647	ug/l	100
36) 1,1-Dichloropropene	7.78	75	104752	17.430	ug/l	98
37) Ethyl Acetate	6.91	43	122570	19.652	ug/l	98
38) Carbon Tetrachloride	7.76	117	112022	18.543	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	107761	18.590	ug/l	97
40) Benzene	8.03	78	346494	18.876	ug/l	99
41) Methacrylonitrile	7.15	41	60683	19.873	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	143811	18.671	ug/l	99
43) Isopropyl Acetate	8.15	43	220517	18.931	ug/l	99
44) Trichloroethene	8.82	130	91184	20.299	ug/l	98
45) 1,2-Dichloropropane	9.11	63	110021	20.070	ug/l	99
46) Dibromomethane	9.20	93	64390	19.320	ug/l	99
47) Bromodichloromethane	9.39	83	135225	19.367	ug/l	96
48) Methyl methacrylate	9.19	41	101972	19.281	ug/l	99
49) 1,4-Dioxane	9.19	88	34061	392.266	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	673727	108.894	ug/l	98
52) Toluene	10.15	92	219242	19.058	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	133505	18.666	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	148333	18.784	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	101700	19.921	ug/l	97
56) Ethyl methacrylate	10.43	69	143594	19.494	ug/l	99
57) 1,3-Dichloropropane	10.71	76	173507	19.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	356559	101.624	ug/l	99
59) 2-Hexanone	10.75	43	472752	102.884	ug/l	99
60) Dibromochloromethane	10.90	129	95485	19.441	ug/l	98
61) 1,2-Dibromoethane	11.00	107	91755	19.394	ug/l	100
64) Tetrachloroethene	10.63	164	68492	18.489	ug/l	98
65) Chlorobenzene	11.43	112	255028	19.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96152	19.839	ug/l	99
67) Ethyl Benzene	11.51	91	451472	19.712	ug/l	99
68) m/p-Xylenes	11.62	106	325072	37.685	ug/l	96
69) o-Xylene	11.95	106	165647	19.529	ug/l	98
70) Styrene	11.97	104	286461	19.601	ug/l	99
71) Bromoform	12.13	173	56837	18.275	ug/l #	99
73) Isopropylbenzene	12.25	105	469008	20.888	ug/l	100
74) N-amyl acetate	12.07	43	187563	19.968	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	155467	20.676	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	180900	28.177	ug/l #	100
77) Bromobenzene	12.53	156	109774	19.436	ug/l	99
78) n-propylbenzene	12.60	91	537892	21.081	ug/l	99
79) 2-Chlorotoluene	12.68	91	322364	20.216	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	397194	20.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33951	19.700	ug/l	93
82) 4-Chlorotoluene	12.78	91	332164	19.816	ug/l	99
83) tert-Butylbenzene	13.00	119	347434	20.519	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	399744	21.155	ug/l	100
85) sec-Butylbenzene	13.18	105	469291	21.194	ug/l	99
86) p-Isopropyltoluene	13.29	119	411949	20.927	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	202532	19.632	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	207066	19.661	ug/l	99
89) n-Butylbenzene	13.62	91	366310	19.628	ug/l	99
90) Hexachloroethane	13.88	117	60474	19.353	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	213275	20.610	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25720	19.000	ug/l	96

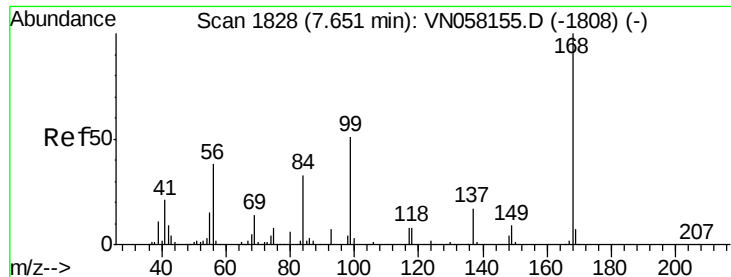
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	124424	18.819	ug/l	99
94) Hexachlorobutadiene	15.01	225	61506	19.247	ug/l	98
95) Naphthalene	15.13	128	328738	19.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	118059	18.892	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

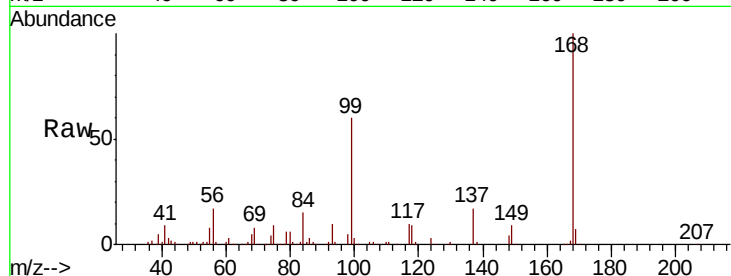
ClientSampleId :

Tot Ion:168 Resp: 494169

Ion Ratio Lower Upper

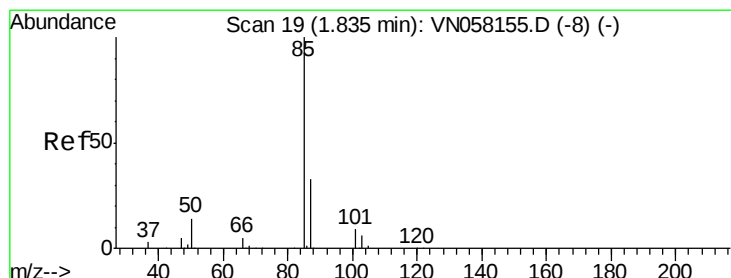
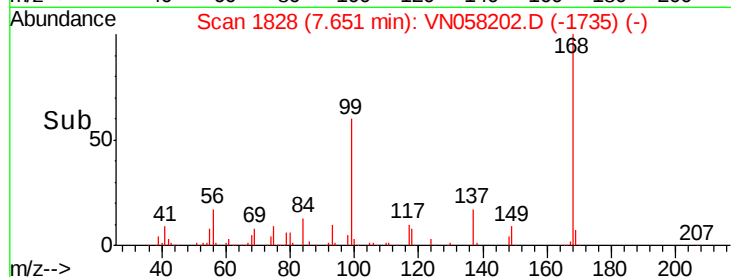
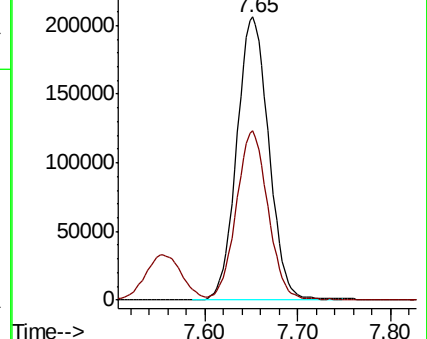
168 100

99 59.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.271 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058202.D

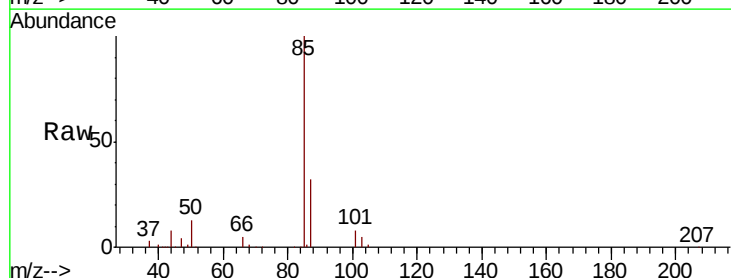
Acq: 19 Sep 2019 13:51

Tgt Ion: 85 Resp: 78229

Ion Ratio Lower Upper

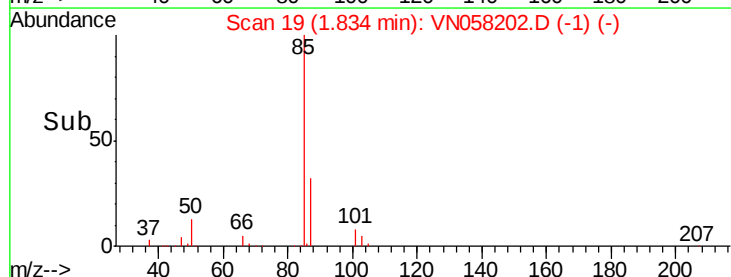
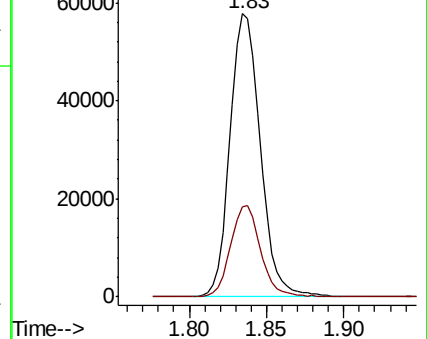
85 100

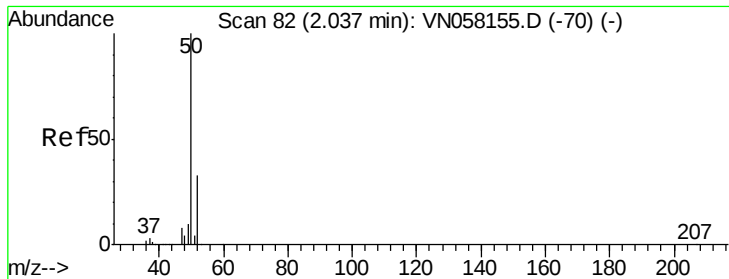
87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 19.915 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

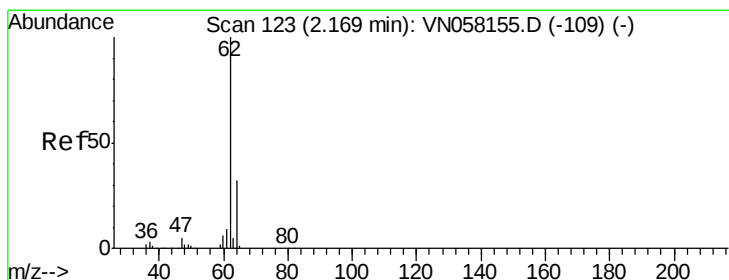
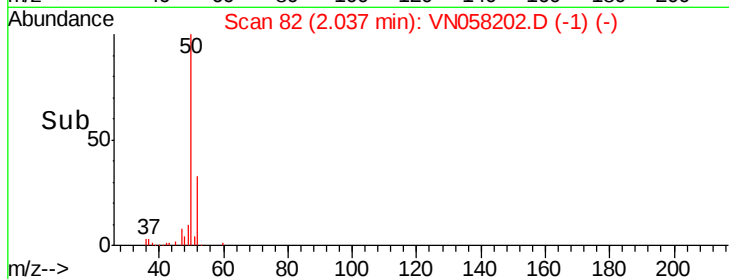
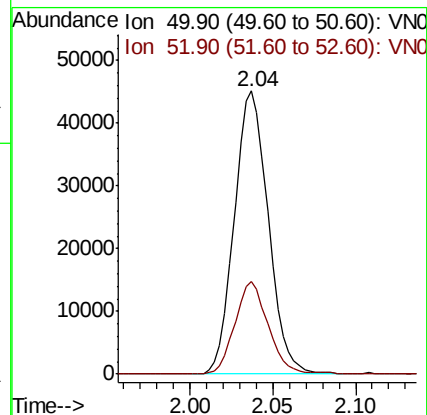
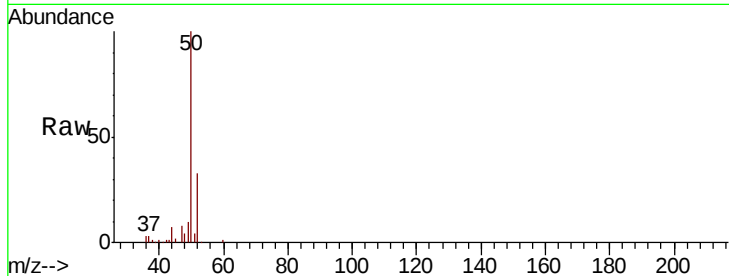
ClientSampled :

Tot Ion: 50 Resp: 64263

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



#4

Vinyl Chloride

Concen: 19.814 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058202.D

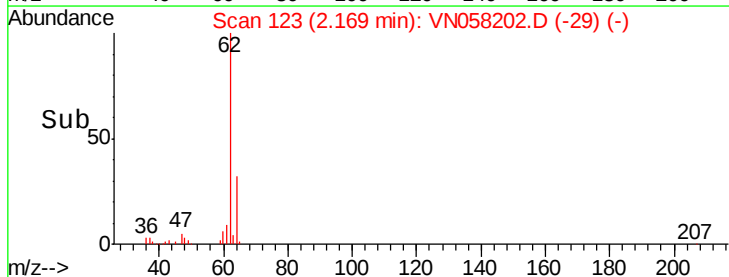
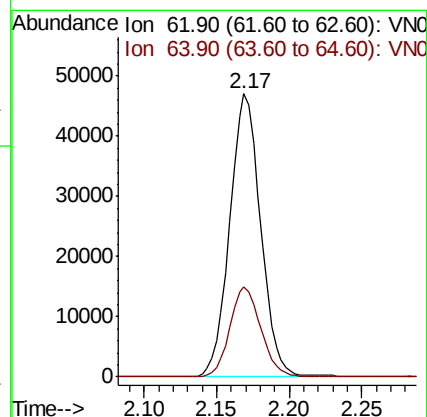
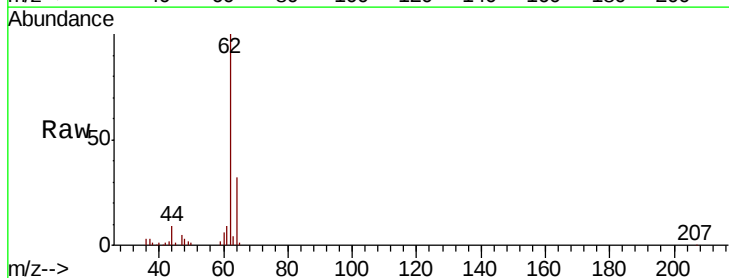
Acq: 19 Sep 2019 13:51

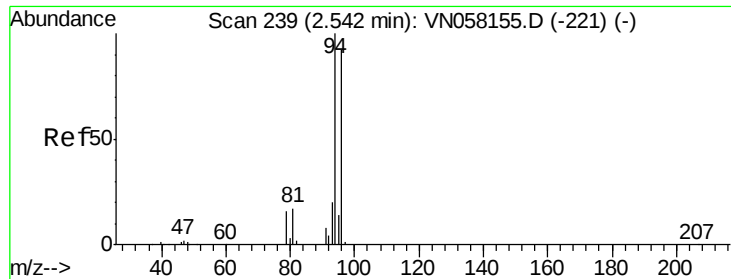
Tgt Ion: 62 Resp: 69670

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 19.583 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

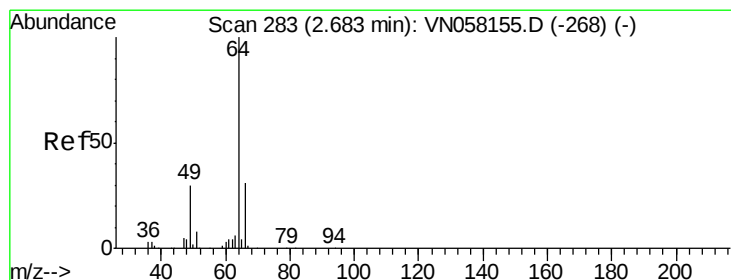
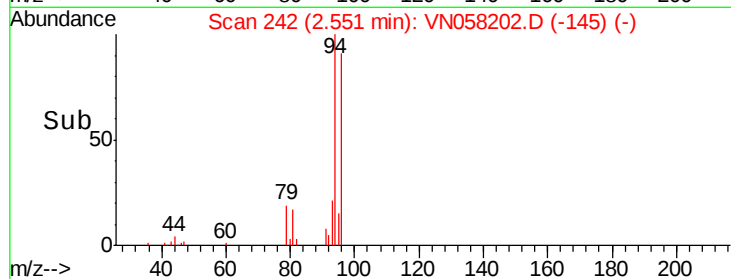
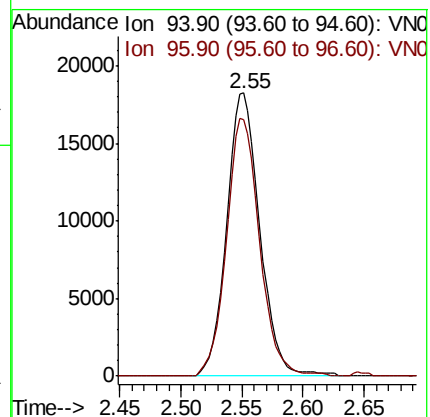
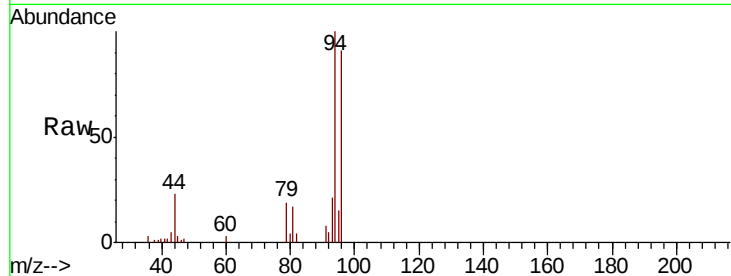
ClientSampled :

Tot Ion: 94 Resp: 34663

Ion Ratio Lower Upper

94 100

96 90.5 73.3 109.9



#6

Chloroethane

Concen: 19.252 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058202.D

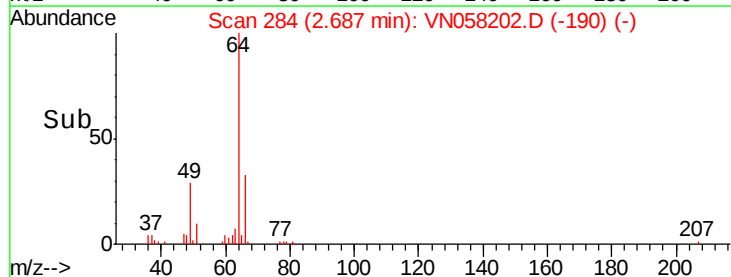
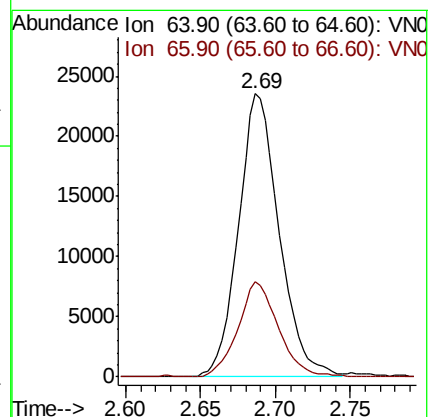
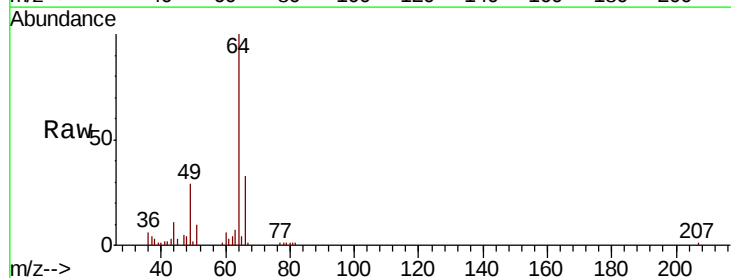
Acq: 19 Sep 2019 13:51

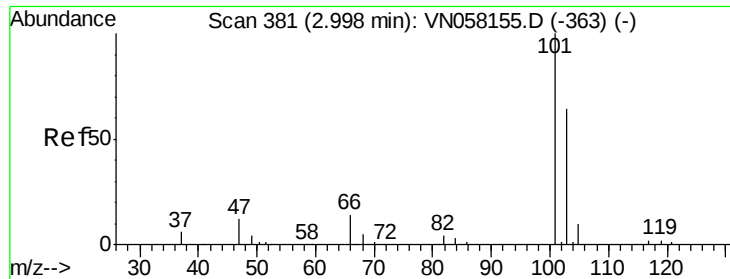
Tgt Ion: 64 Resp: 44559

Ion Ratio Lower Upper

64 100

66 33.5 24.6 37.0



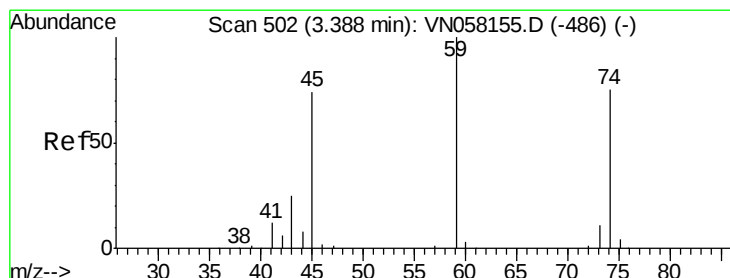
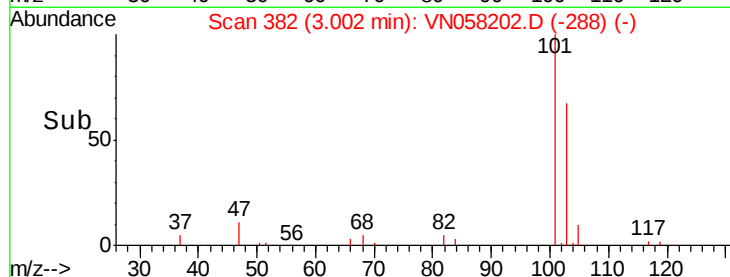
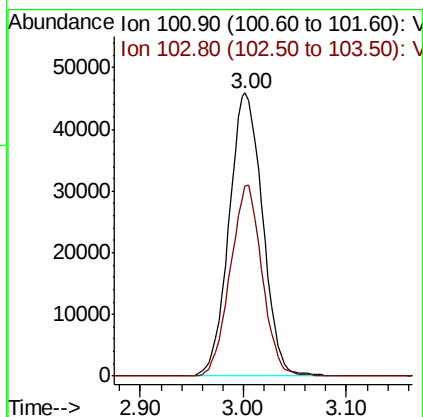
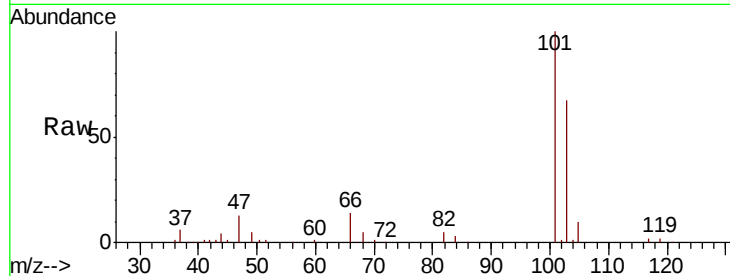


#7

Trichlorofluoromethane
 Concen: 18.739 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampled :

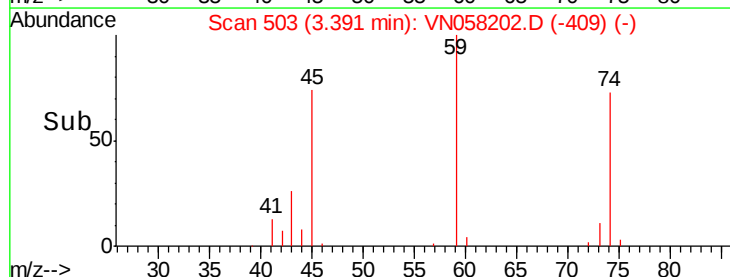
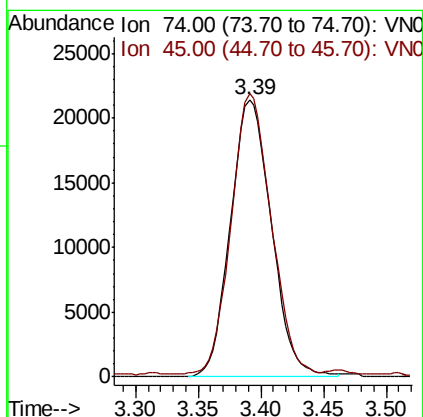
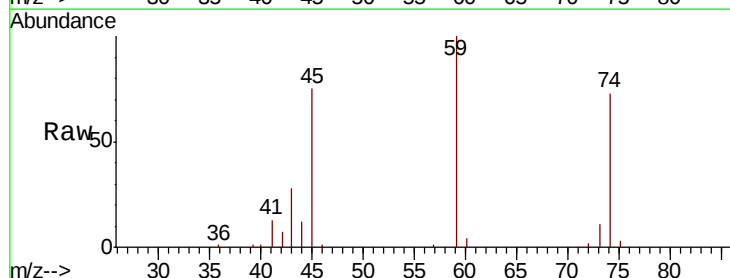
Tot Ion:101 Resp: 103834
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.0 76.6



#8

Diethyl Ether
 Concen: 19.133 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 74 Resp: 48576
 Ion Ratio Lower Upper
 74 100
 45 98.7 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.068 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

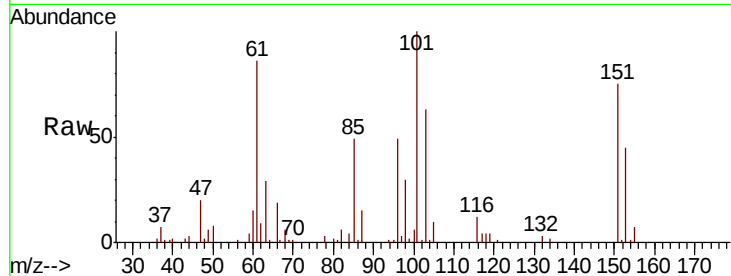
Tot Ion:101 Resp: 76177

Ion Ratio Lower Upper

101 100

85 48.1 37.3 55.9

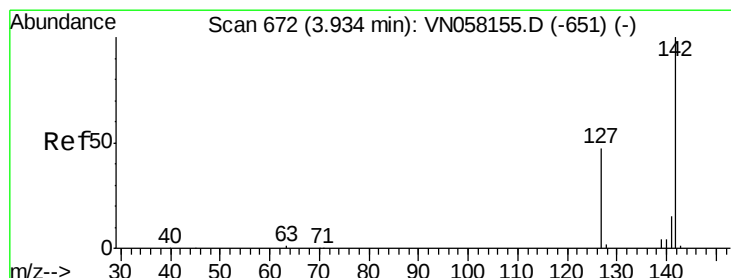
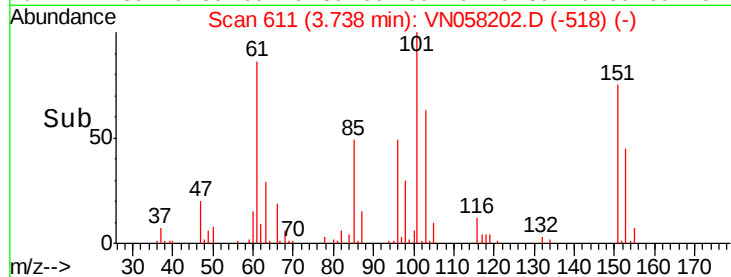
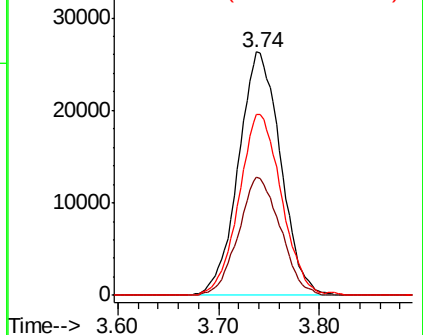
151 74.9 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.477 ug/l

RT: 3.93 min Scan# 672

Delta R.T. -0.00 min

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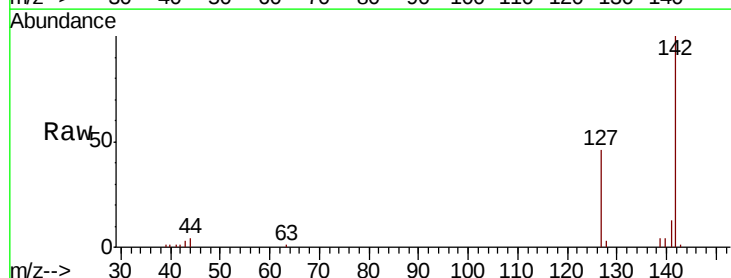
Tgt Ion:142 Resp: 58506

Ion Ratio Lower Upper

142 100

127 46.2 37.5 56.3

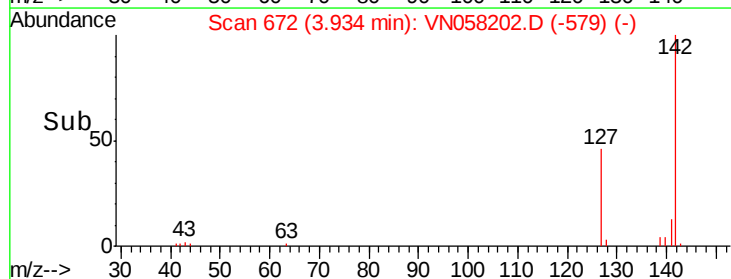
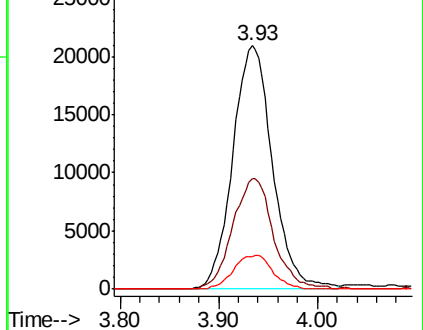
141 13.6 11.4 17.2

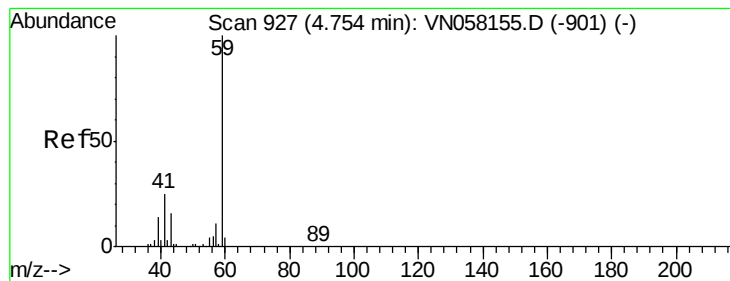


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



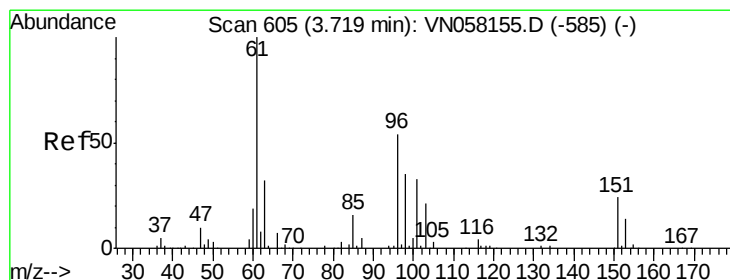
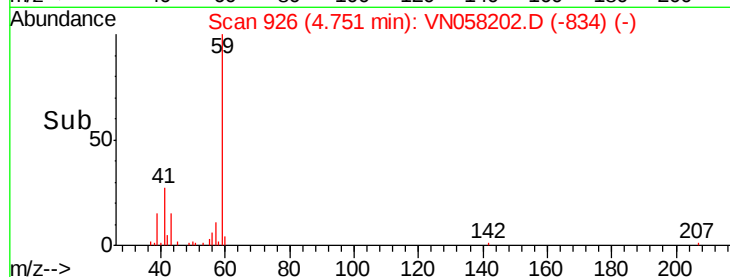
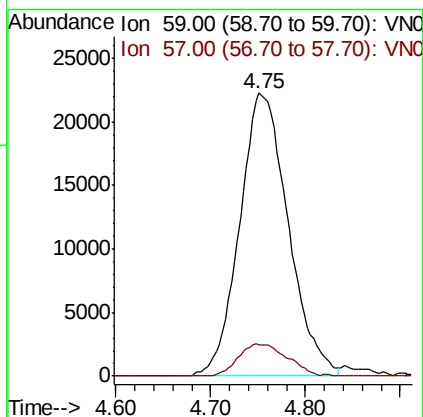
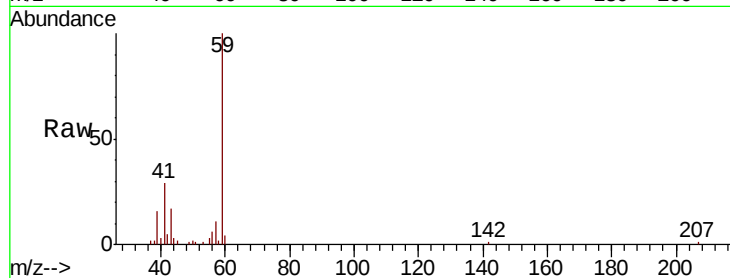


#11

Tert butyl alcohol
 Concen: 96.964 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampled :

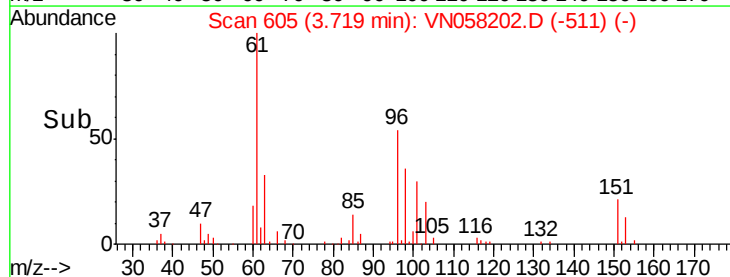
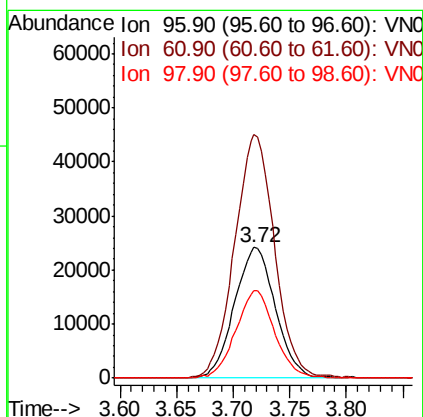
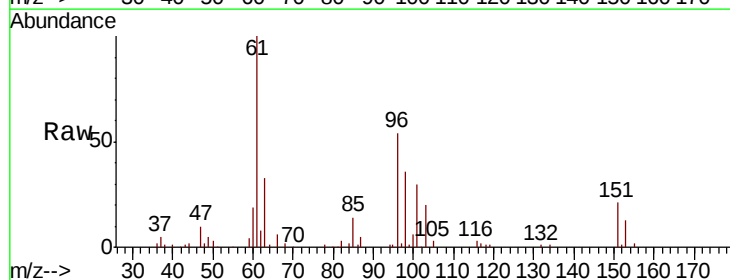
Tot Ion: 59 Resp: 79387
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.6 13.0

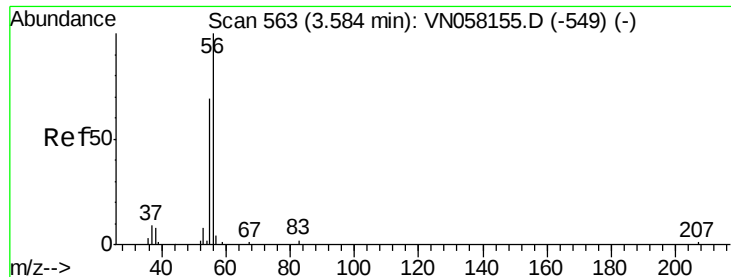


#12

1,1-Dichloroethene
 Concen: 19.923 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 96 Resp: 61052
 Ion Ratio Lower Upper
 96 100
 61 186.8 149.5 224.3
 98 66.8 52.4 78.6





#13

Acrolein

Concen: 152.853 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

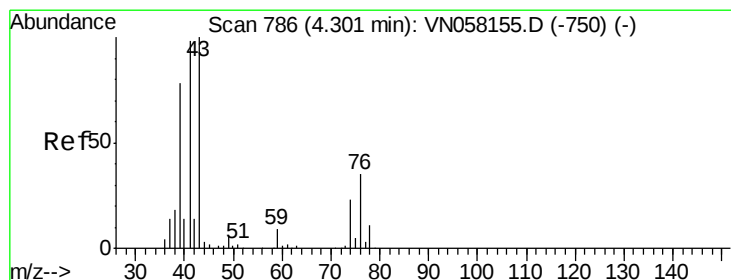
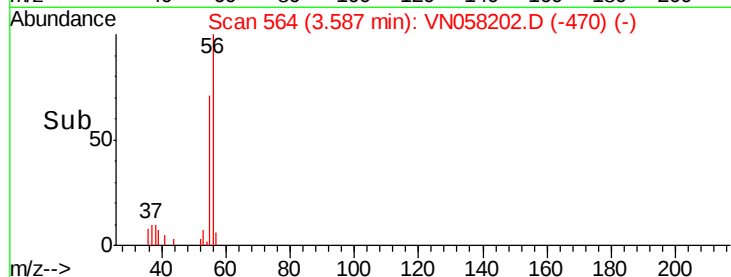
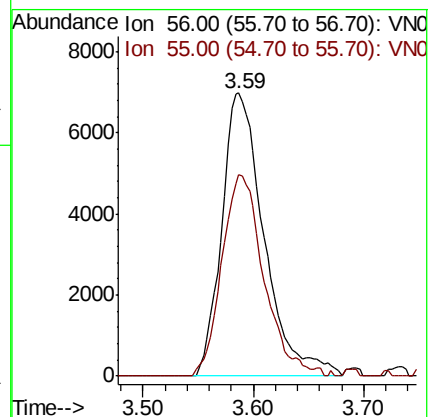
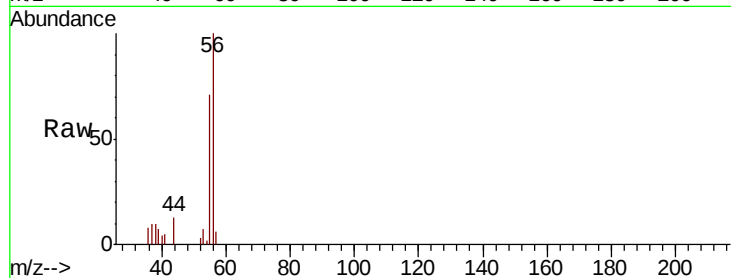
ClientSampleId :

Tot Ion: 56 Resp: 18546

Ion Ratio Lower Upper

56 100

55 70.0 56.1 84.1



#14

Allyl chloride

Concen: 18.800 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

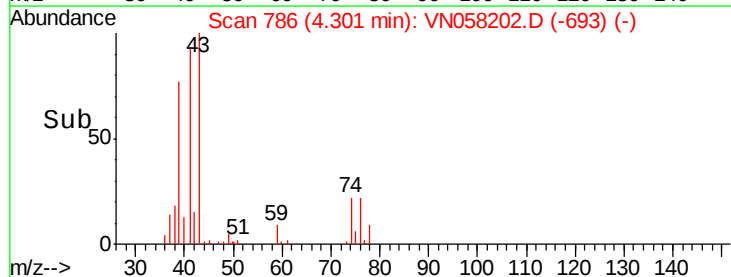
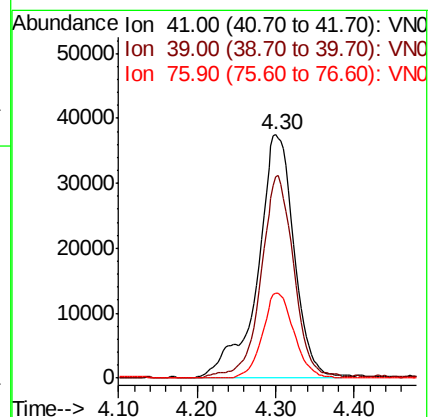
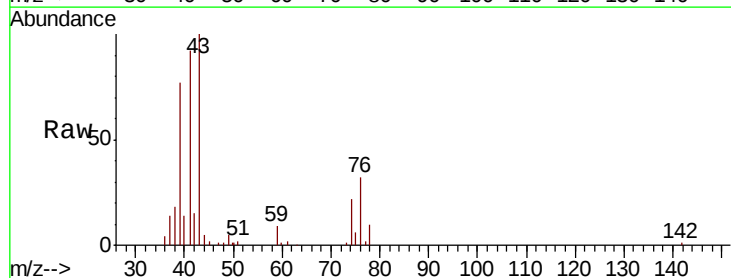
Tgt Ion: 41 Resp: 122897

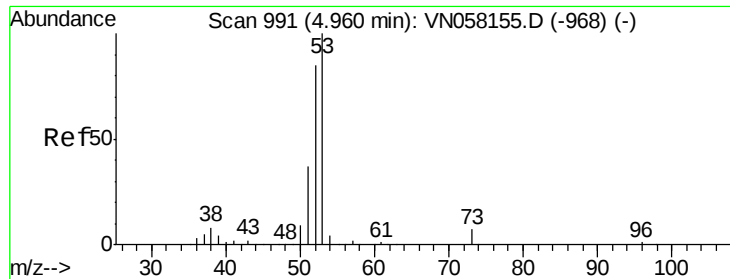
Ion Ratio Lower Upper

41 100

39 74.9 59.1 88.7

76 30.1 25.1 37.7





#15

Acrylonitrile

Concen: 102.211 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

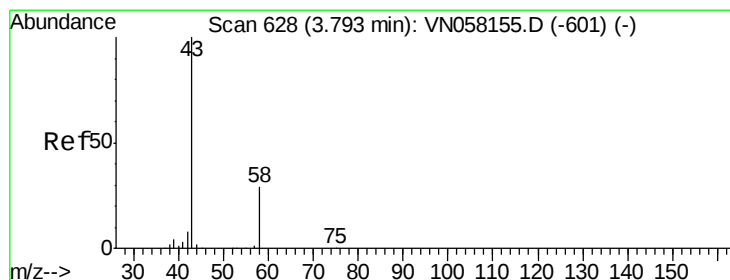
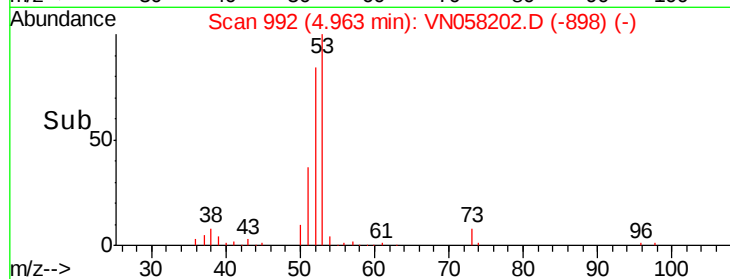
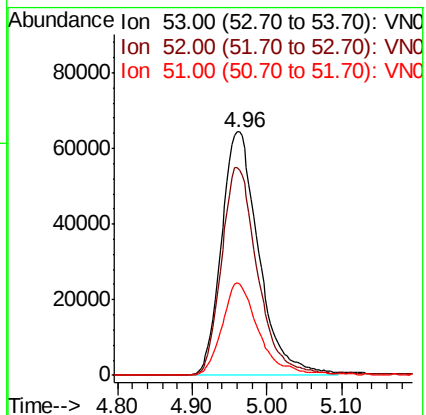
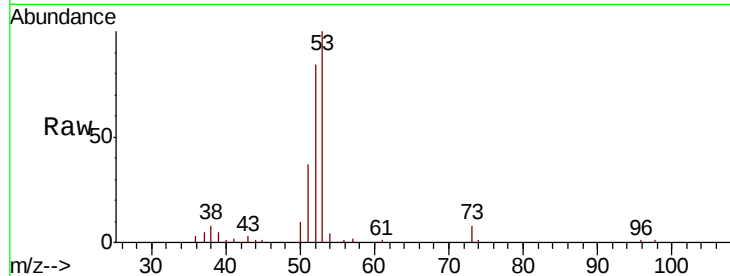
Tot Ion: 53 Resp: 222954

Ion Ratio Lower Upper

53 100

52 82.4 66.6 100.0

51 36.8 29.7 44.5



#16

Acetone

Concen: 83.239 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058202.D

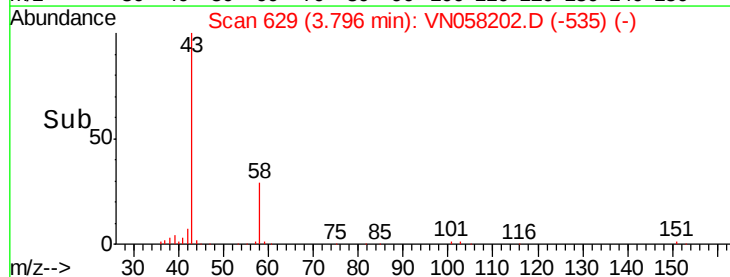
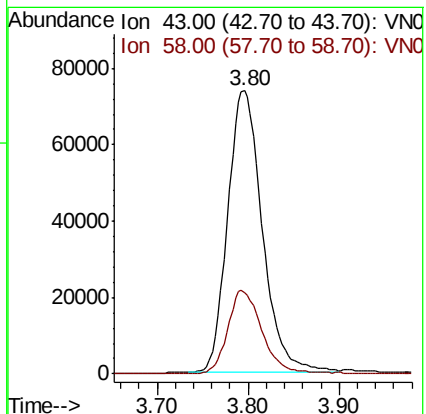
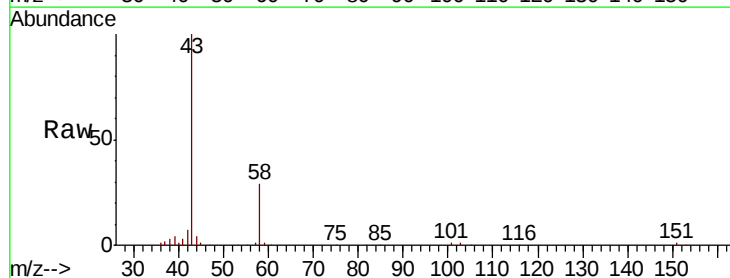
Acq: 19 Sep 2019 13:51

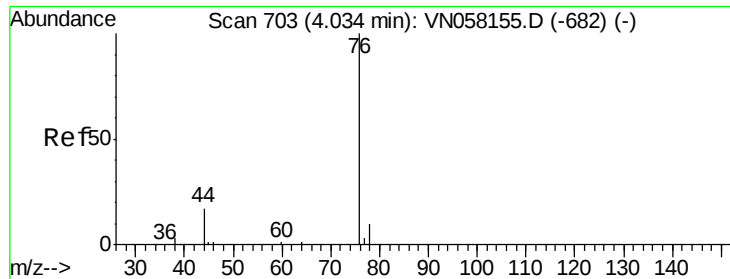
Tgt Ion: 43 Resp: 194472

Ion Ratio Lower Upper

43 100

58 28.7 23.4 35.2

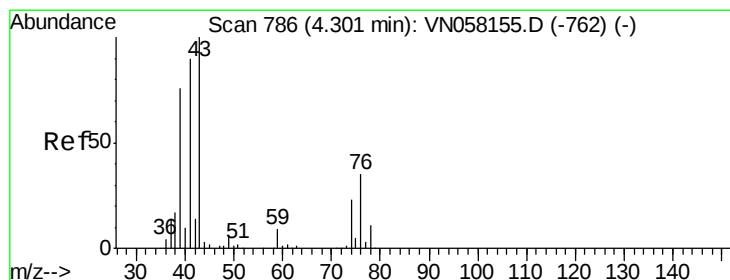
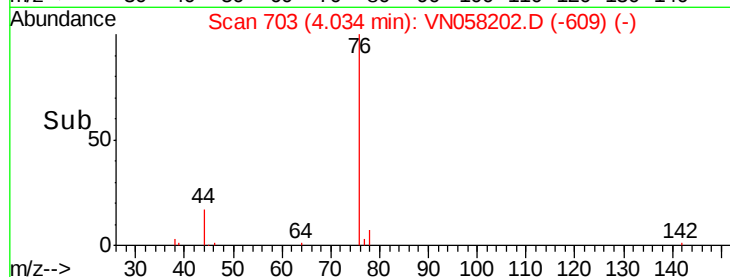
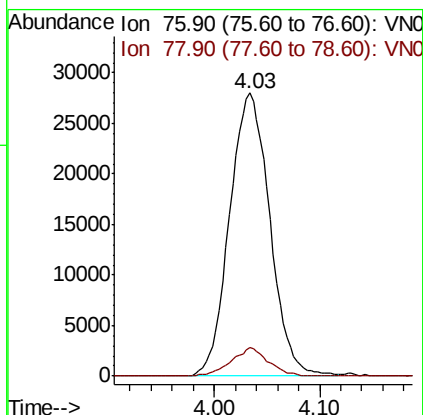
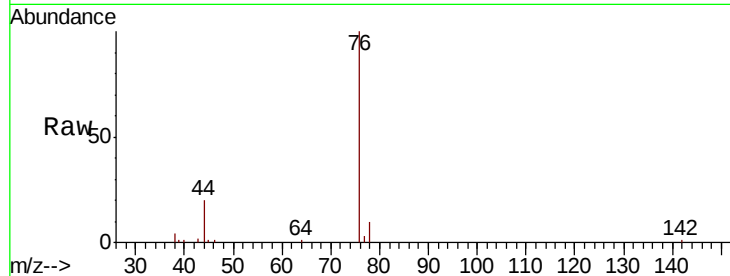




#17
Carbon Disulfide
Concen: 17.560 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

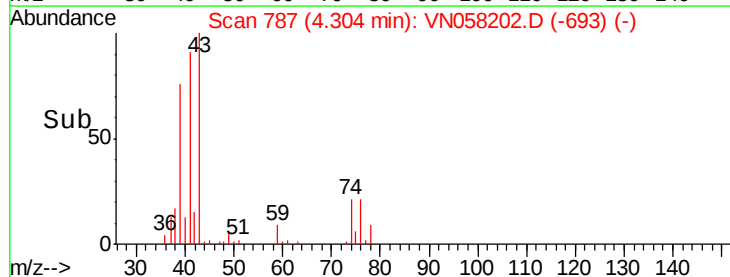
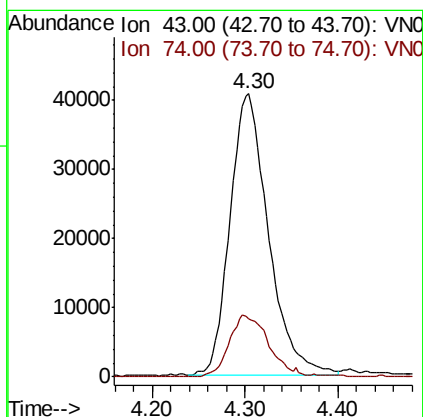
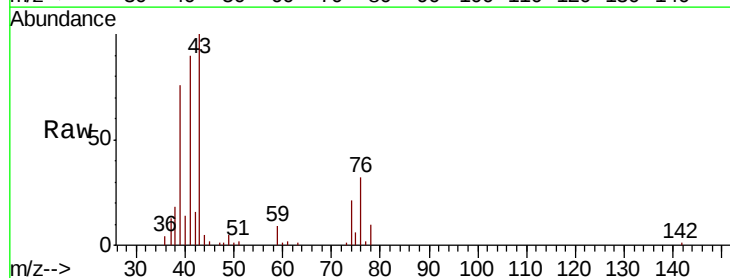
Instrument :
MSVOA_N
ClientSampleId :

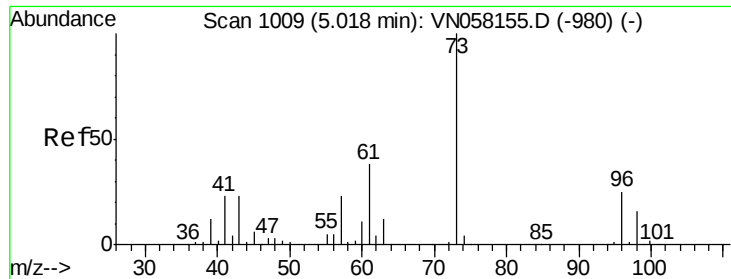
Tot Ion: 76 Resp: 74185
Ion Ratio Lower Upper
76 100
78 9.9 7.7 11.5



#18
Methyl Acetate
Concen: 19.144 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 43 Resp: 117689
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0

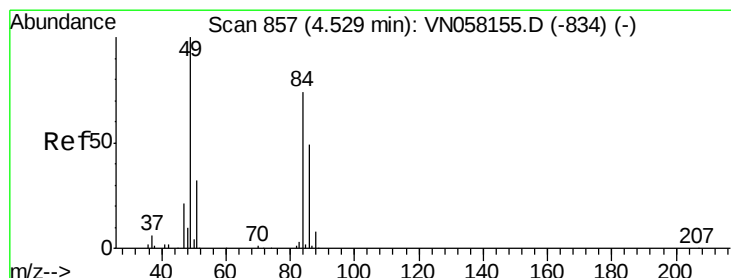
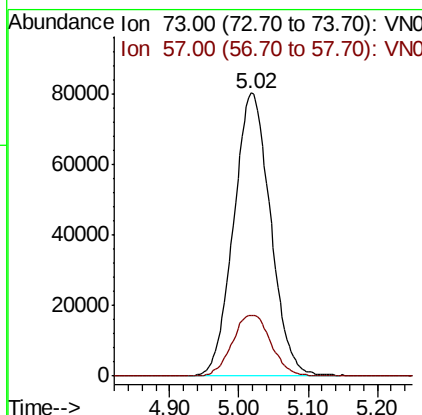
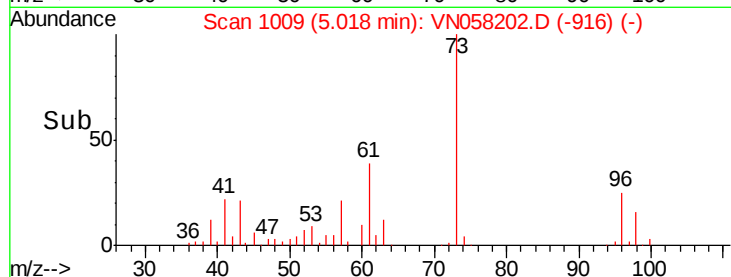
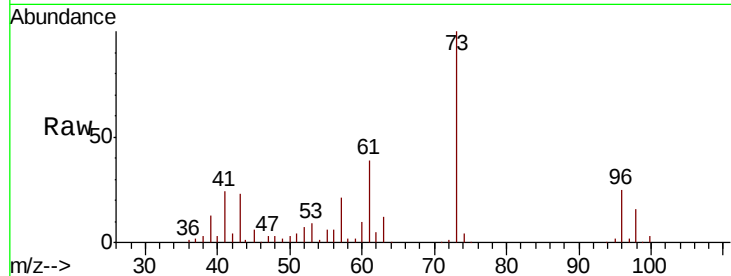




#19
Methvl tert-butvl Ether
Concen: 19.727 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

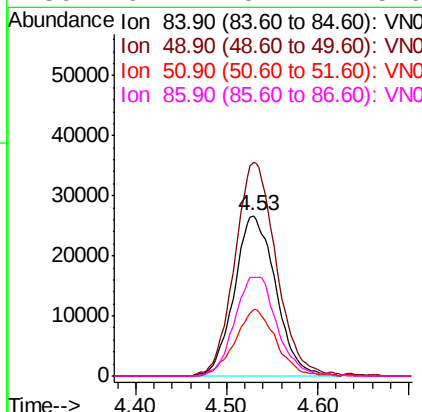
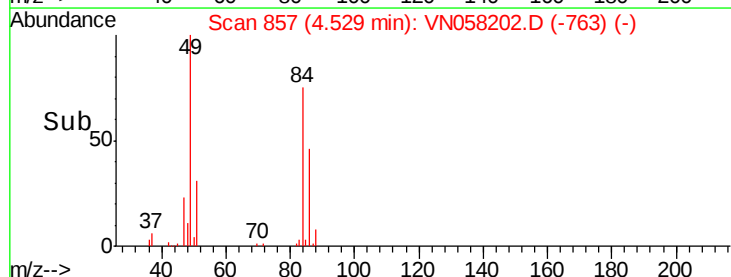
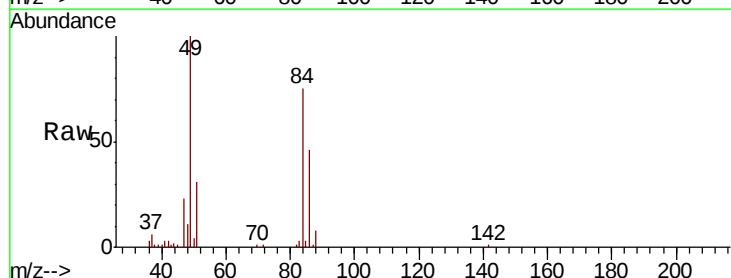
Instrument :
MSVOA_N
ClientSampled :

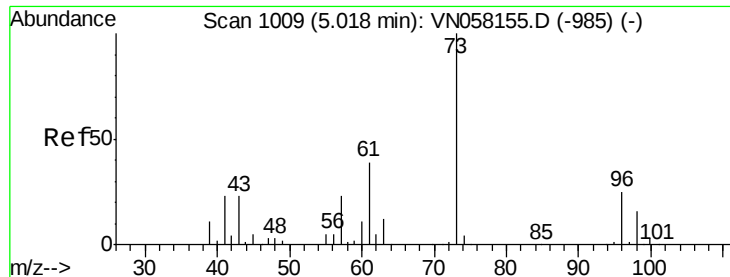
Tot Ion: 73 Resp: 297240
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1



#20
Methylene Chloride
Concen: 20.470 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 84 Resp: 84267
Ion Ratio Lower Upper
84 100
49 133.2 107.5 161.3
51 41.2 33.9 50.9
86 61.4 52.4 78.6



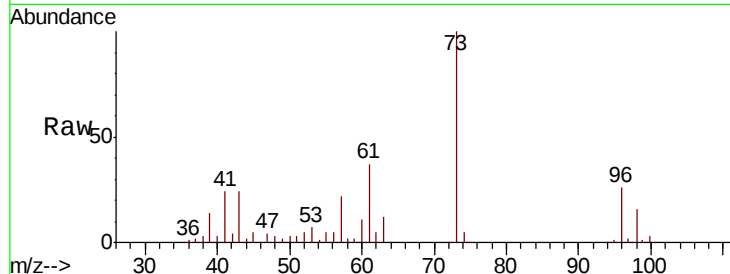


#21

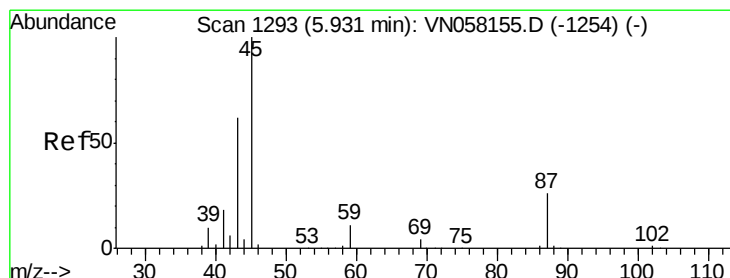
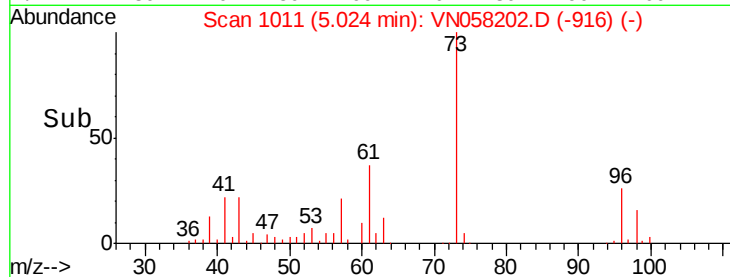
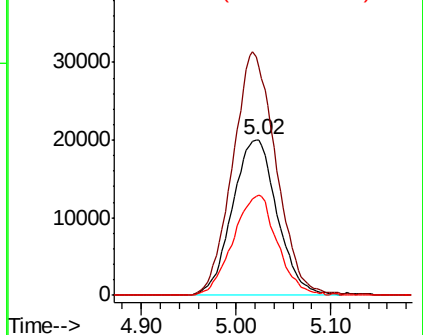
trans-1,2-Dichloroethene
Concen: 19.681 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 65828
Ion Ratio Lower Upper
96 100
61 146.5 122.2 183.4
98 64.2 49.9 74.9



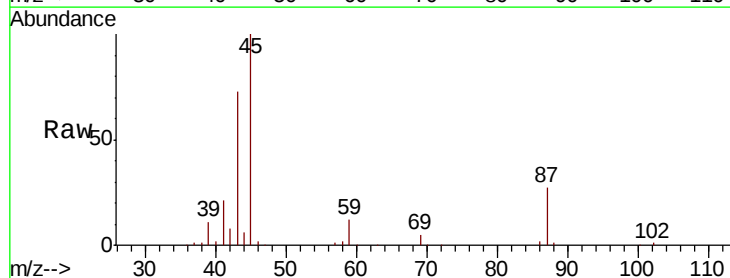
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



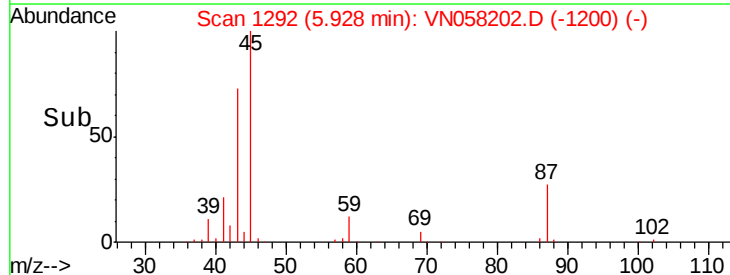
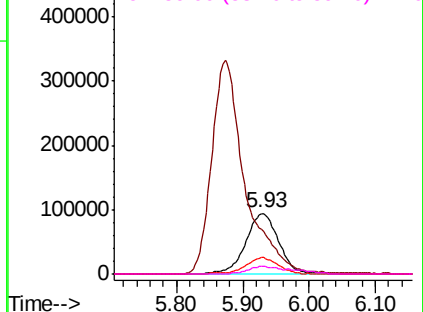
#22

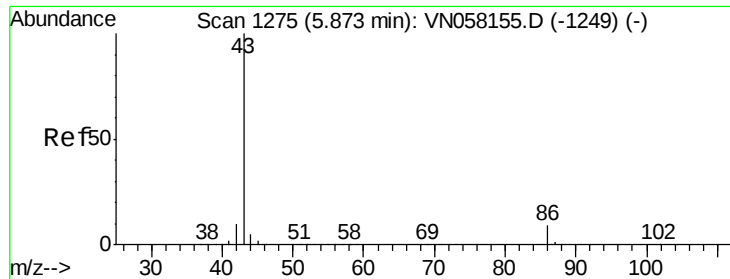
Diisopropyl ether
Concen: 19.540 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 45 Resp: 324472
Ion Ratio Lower Upper
45 100
43 71.4 49.7 74.5
87 26.8 20.7 31.1
59 12.0 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

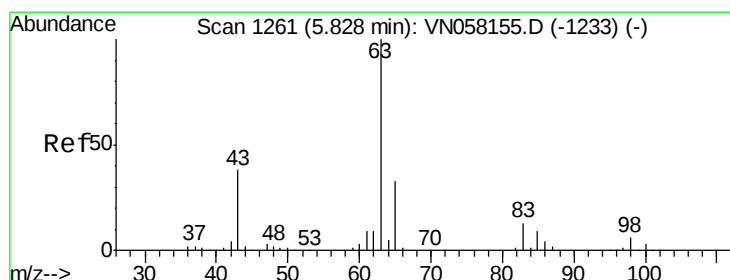
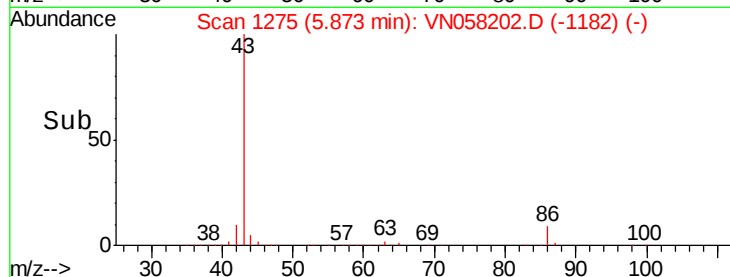
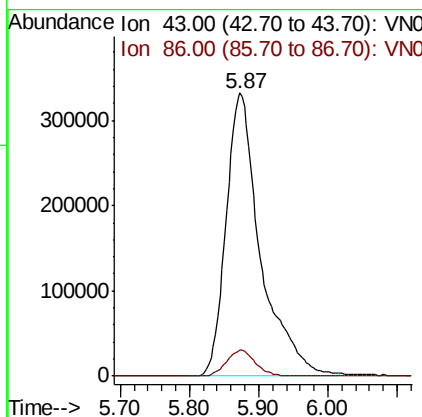
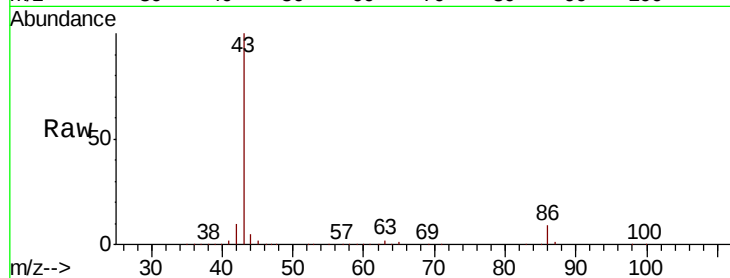




#23
 Vinyl Acetate
 Concen: 101.310 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

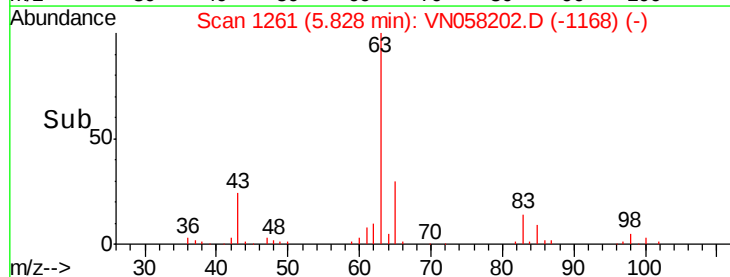
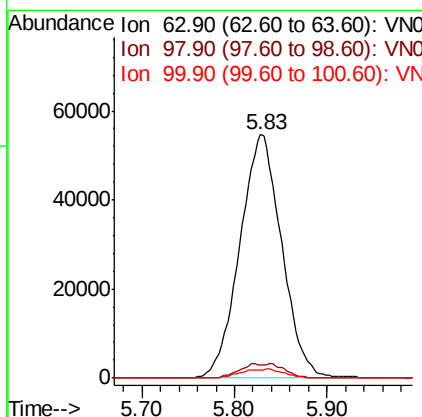
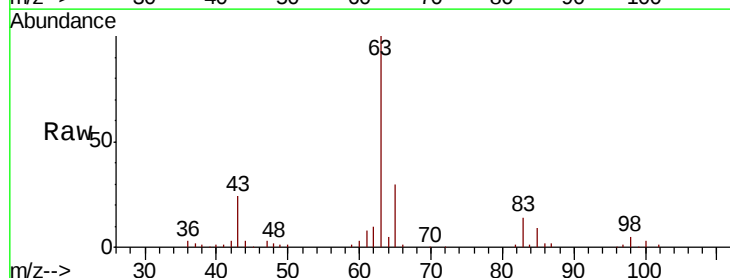
Instrument :
 MSVOA_N
 ClientSampled :

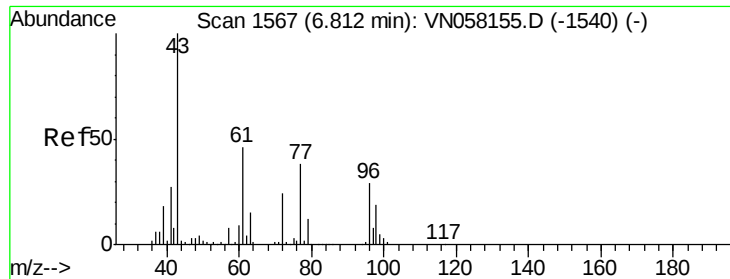
Tot Ion: 43 Resp: 1151138
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 19.273 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 63 Resp: 170813
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.9 8.6
 100 3.3 1.8 5.3

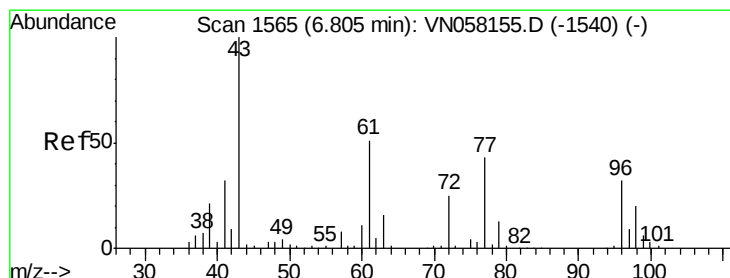
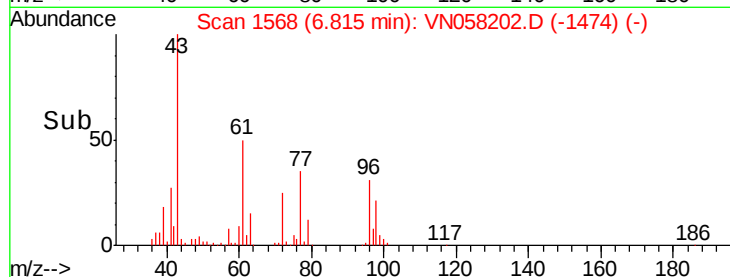
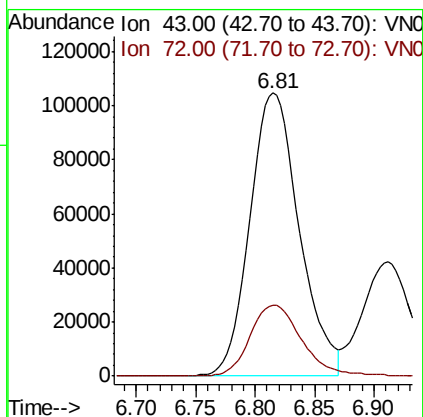
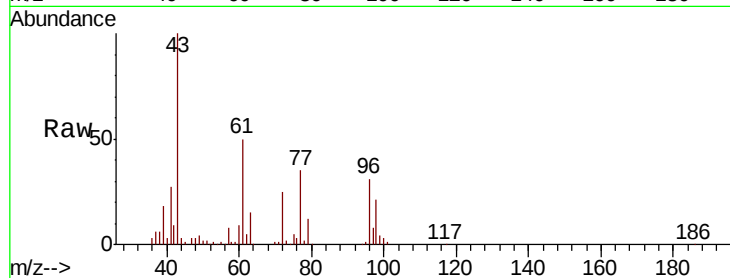




#25
 2-Butanone
 Concen: 94.029 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

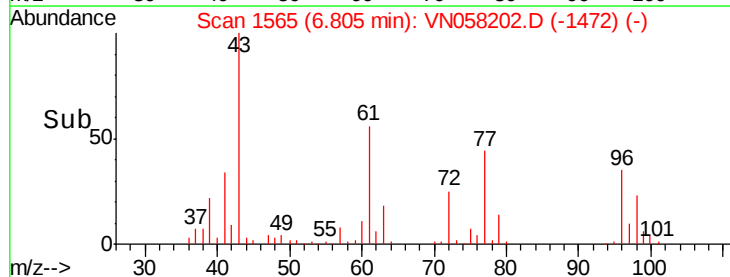
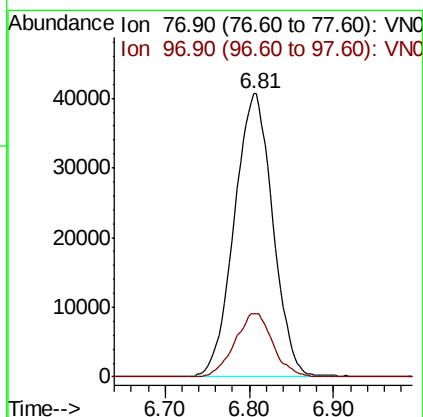
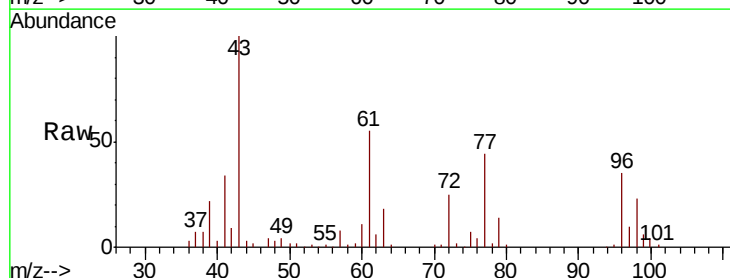
Instrument :
 MSVOA_N
 ClientSampled :

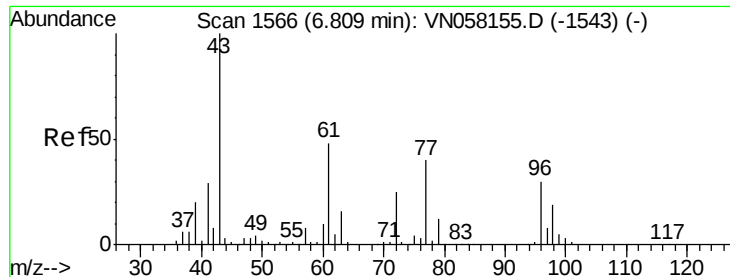
Tot Ion: 43 Resp: 299288
 Ion Ratio Lower Upper
 43 100
 72 25.1 19.5 29.3



#26
 2,2-Dichloropropane
 Concen: 17.191 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 77 Resp: 129254
 Ion Ratio Lower Upper
 77 100
 97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.222 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :

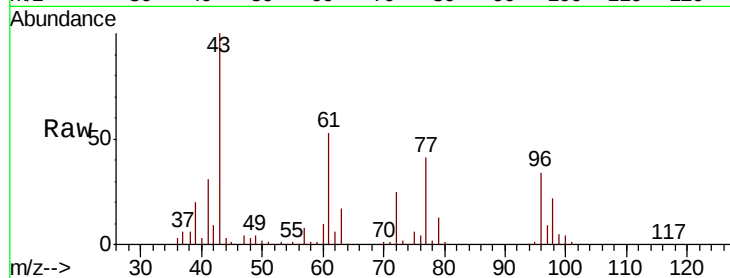
Tot Ion: 96 Resp: 96328

Ion Ratio Lower Upper

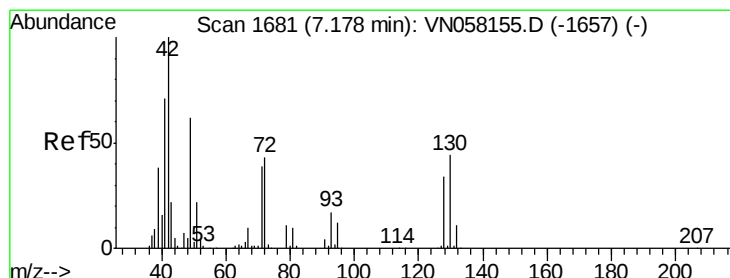
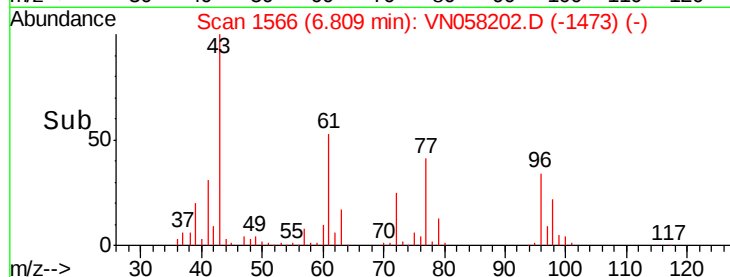
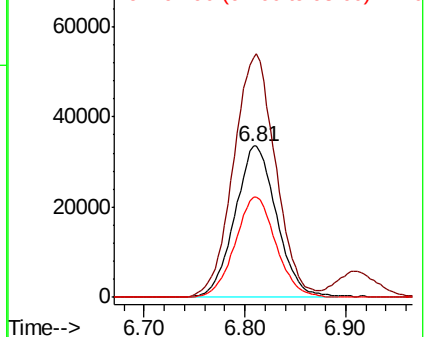
96 100

61 162.1 0.0 319.0

98 64.9 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.926 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

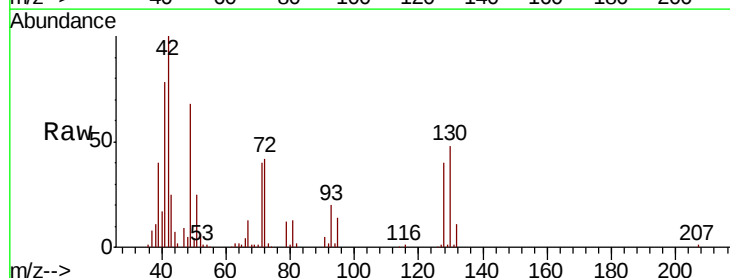
Tgt Ion: 49 Resp: 87734

Ion Ratio Lower Upper

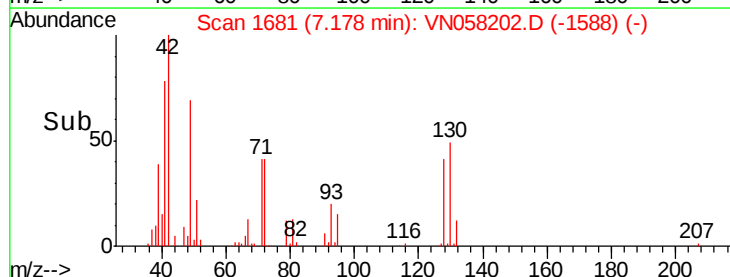
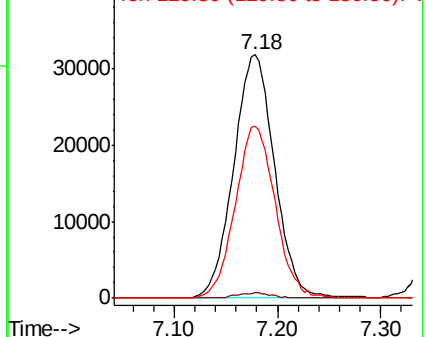
49 100

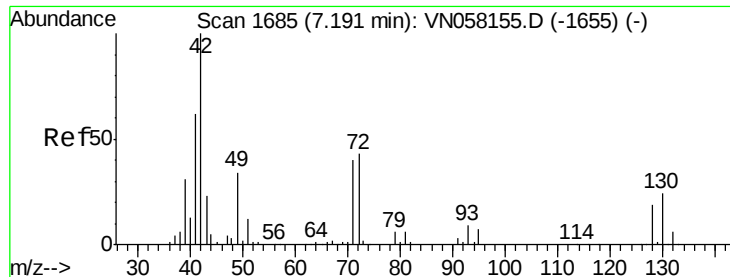
129 1.7 0.0 1.8

130 68.8 55.4 83.2



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 96.558 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

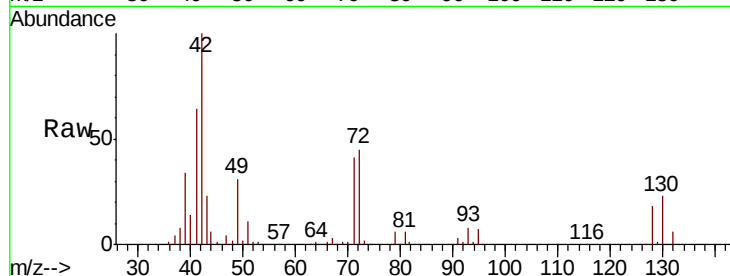
Tot Ion: 42 Resp: 189312

Ion Ratio Lower Upper

42 100

72 42.1 33.8 50.6

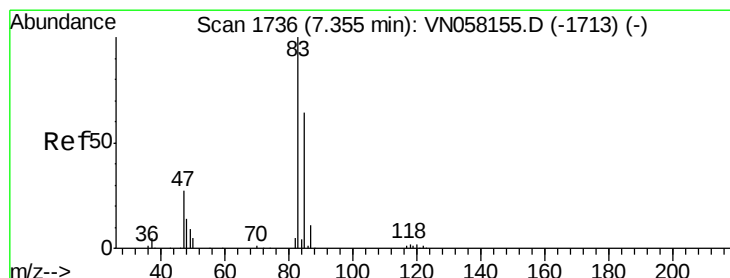
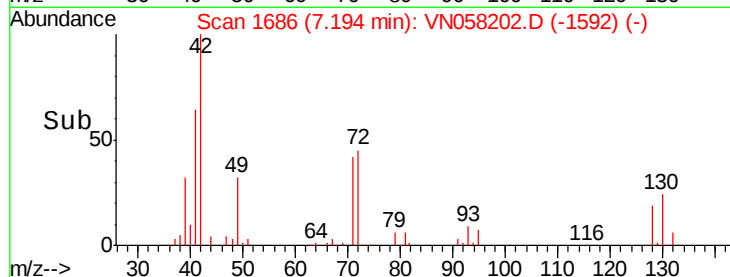
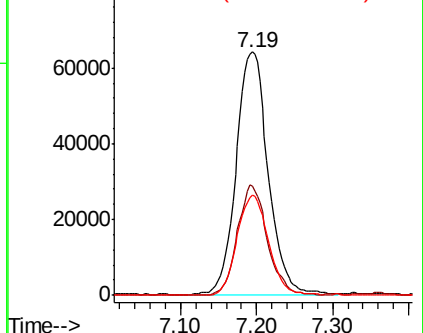
71 40.3 31.4 47.0



Abundance Ion 42.00 (41.70 to 42.70): VN058155.D (-1655) (-)

Ion 72.00 (71.70 to 72.70): VN058155.D (-1655) (-)

Ion 71.00 (70.70 to 71.70): VN058155.D (-1655) (-)



#30

Chloroform

Concen: 19.418 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058202.D

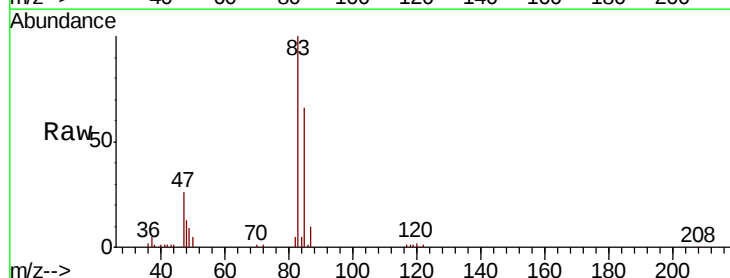
Acq: 19 Sep 2019 13:51

Tgt Ion: 83 Resp: 185249

Ion Ratio Lower Upper

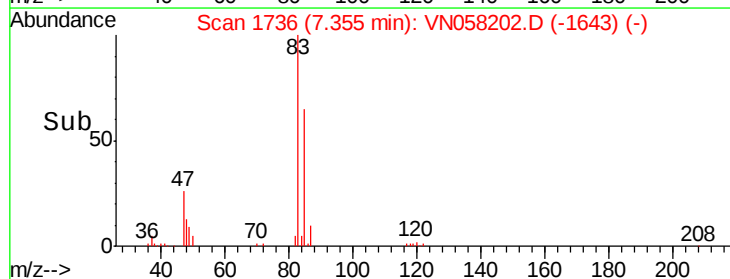
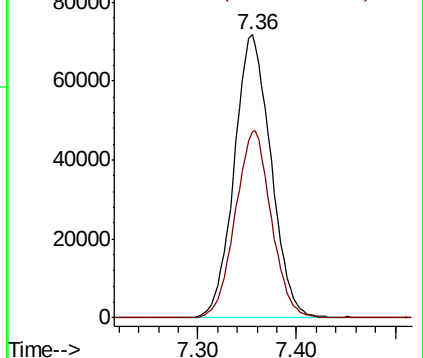
83 100

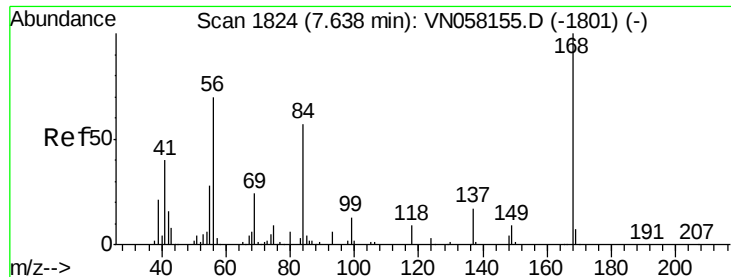
85 65.7 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN058155.D (-1713) (-)

Ion 84.90 (84.60 to 85.60): VN058155.D (-1713) (-)





#31

Cyclohexane

Concen: 18.997 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

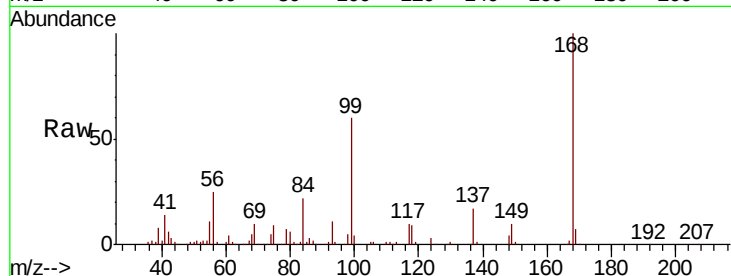
Tot Ion: 56 Resp: 117409

Ion Ratio Lower Upper

56 100

69 40.3 27.3 40.9

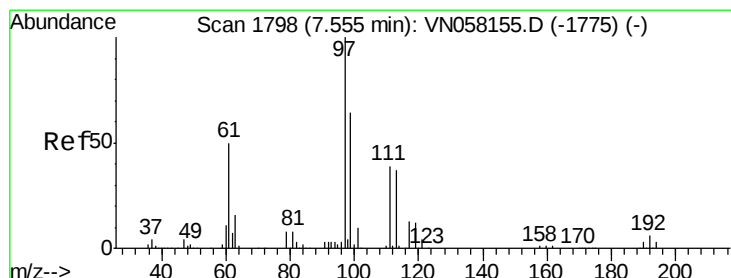
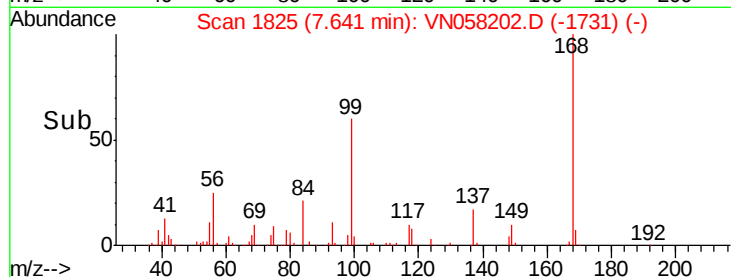
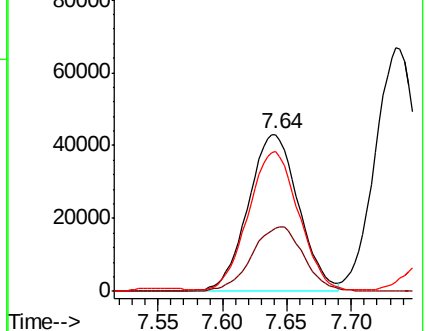
84 87.8 65.0 97.4



Abundance Ion 56.00 (55.70 to 56.70): VN058155.D (-1801) (-)

Ion 69.00 (68.70 to 69.70): VN058155.D (-1801) (-)

Ion 84.00 (83.70 to 84.70): VN058155.D (-1801) (-)



#32

1,1,1-Trichloroethane

Concen: 19.647 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

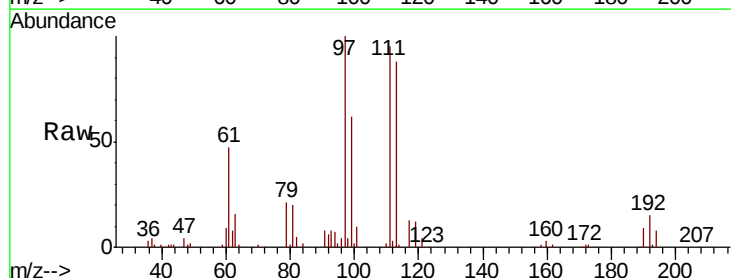
Tgt Ion: 97 Resp: 142684

Ion Ratio Lower Upper

97 100

99 63.6 50.9 76.3

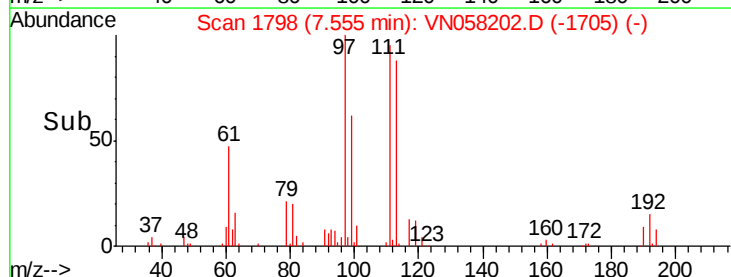
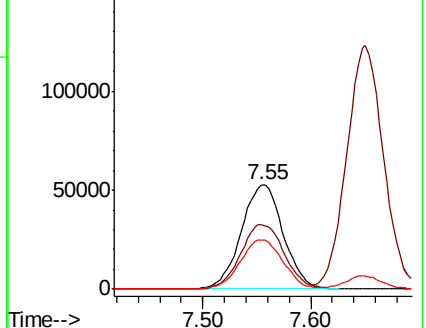
61 48.4 39.2 58.8

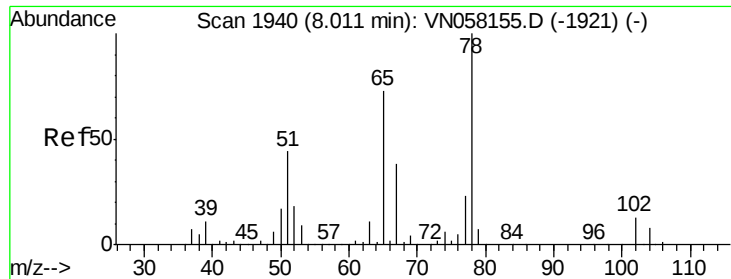


Abundance Ion 96.90 (96.60 to 97.60): VN058155.D (-1775) (-)

Ion 98.90 (98.60 to 99.60): VN058155.D (-1775) (-)

Ion 60.90 (60.60 to 61.60): VN058155.D (-1775) (-)

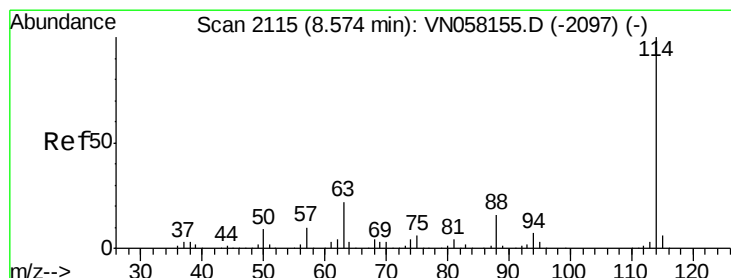
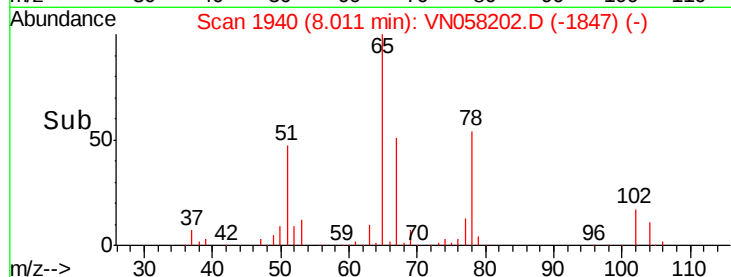
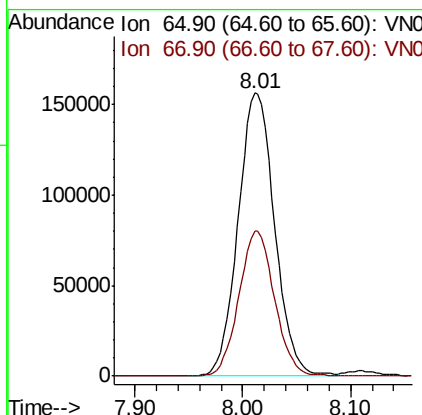
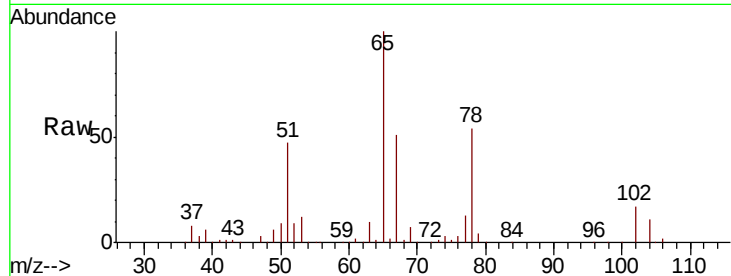




#33
 1,2-Dichloroethane-d4
 Concen: 53.541 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

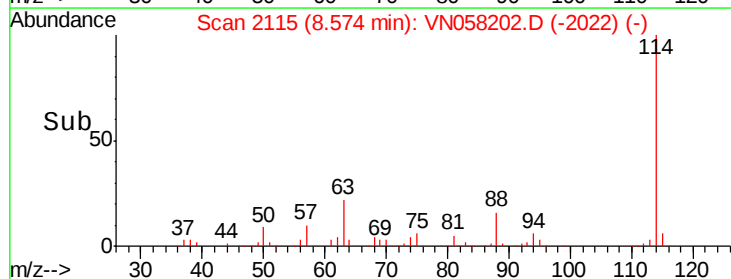
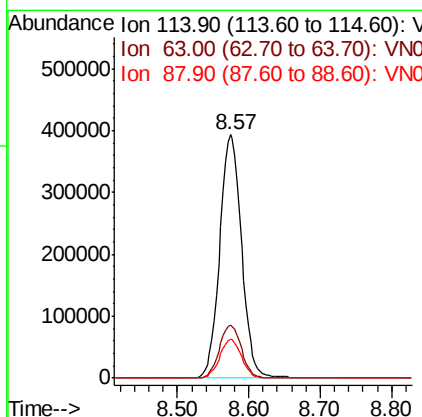
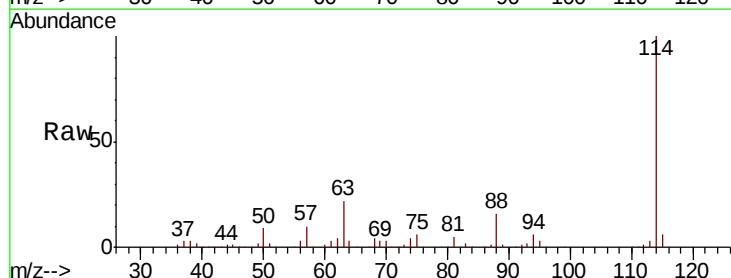
Instrument :
 MSVOA_N
 ClientSampleId :

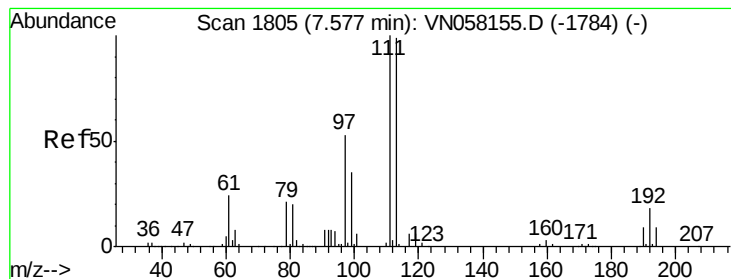
Tot Ion: 65 Resp: 368509
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 114 Resp: 833376
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.2
 88 16.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.076 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

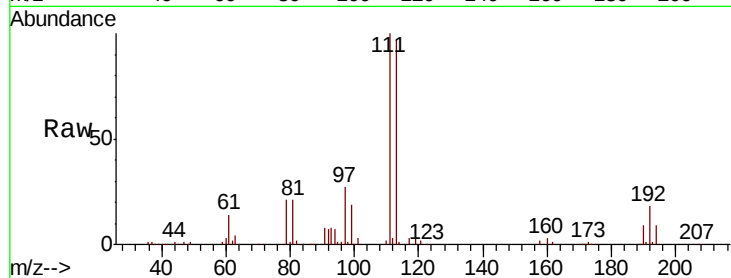
Tot Ion:113 Resp: 258762

Ion Ratio Lower Upper

113 100

111 104.1 81.8 122.6

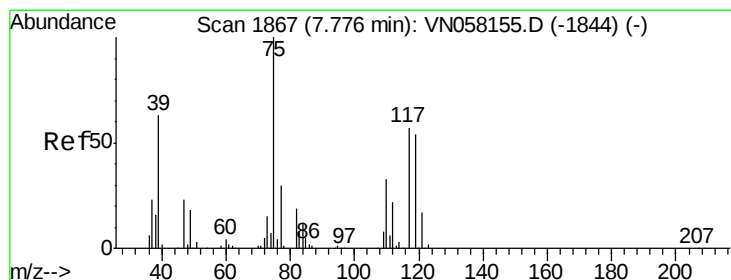
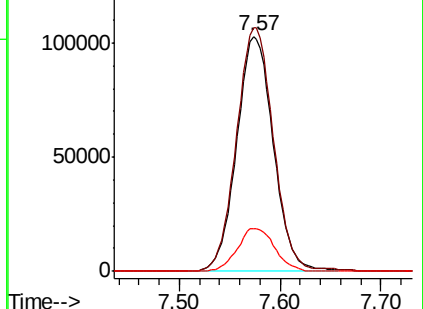
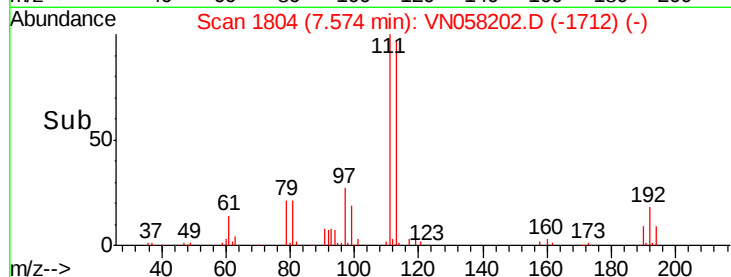
192 18.6 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.430 ug/l

RT: 7.78 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

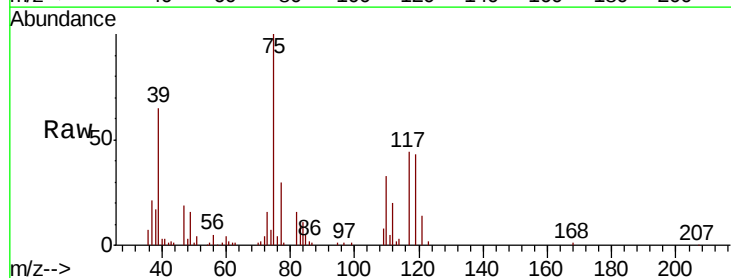
Tgt Ion: 75 Resp: 104752

Ion Ratio Lower Upper

75 100

110 34.3 16.6 49.7

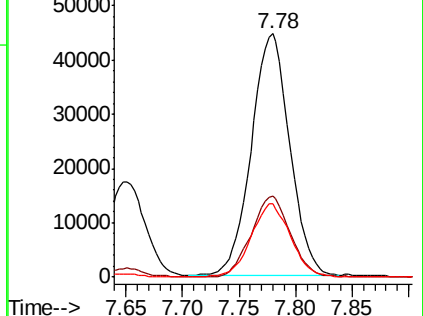
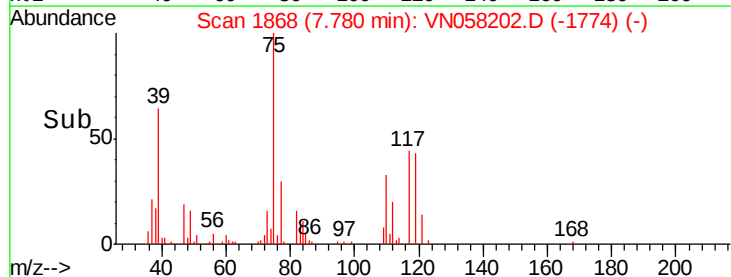
77 31.3 24.3 36.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

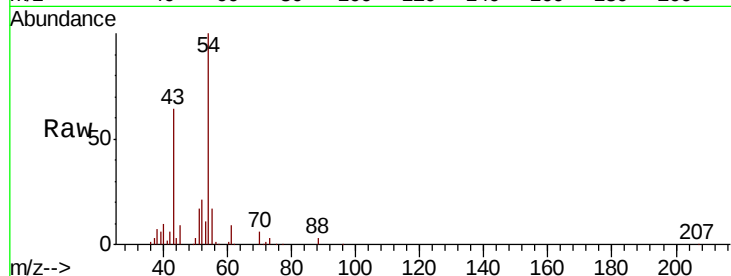




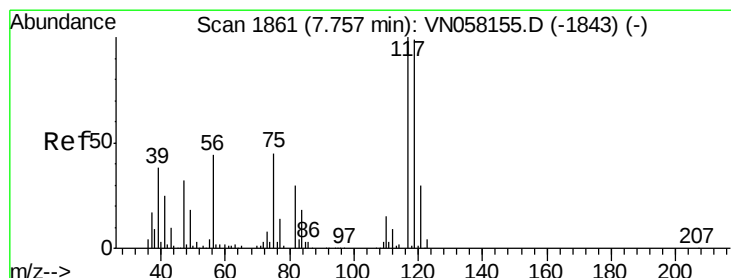
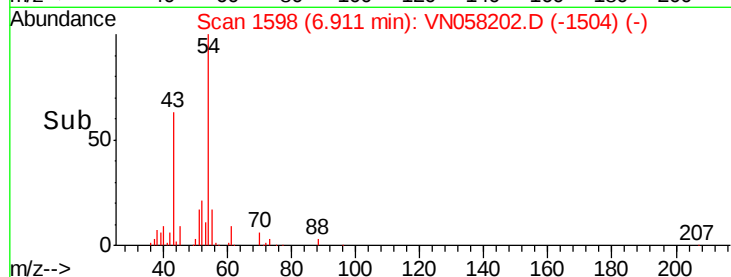
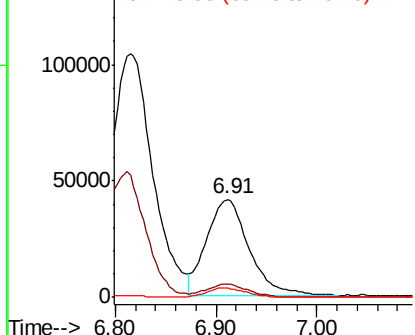
#37
Ethyl Acetate
Concen: 19.652 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 122570
Ion Ratio Lower Upper
43 100
61 12.7 10.7 16.1
70 8.9 7.6 11.4

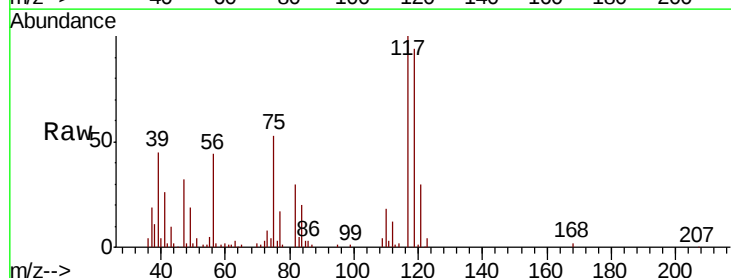


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

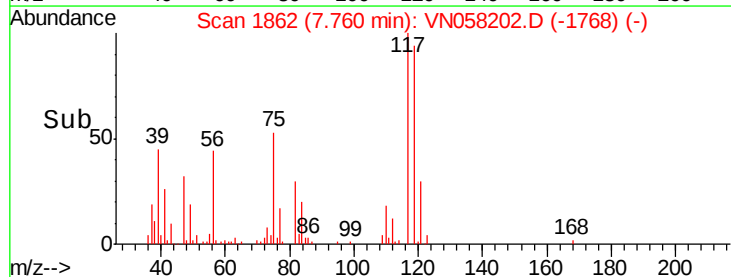
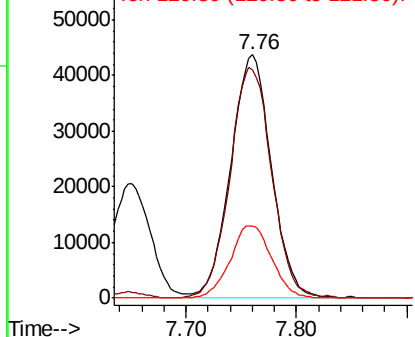


#38
Carbon Tetrachloride
Concen: 18.543 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 117 Resp: 112022
Ion Ratio Lower Upper
117 100
119 93.7 78.6 117.8
121 29.8 24.1 36.1



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

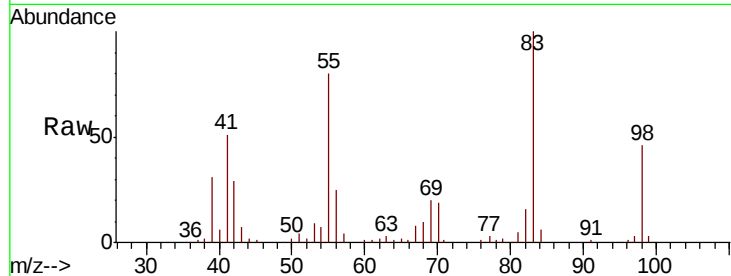




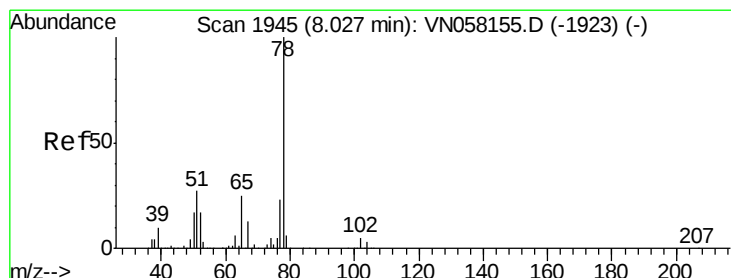
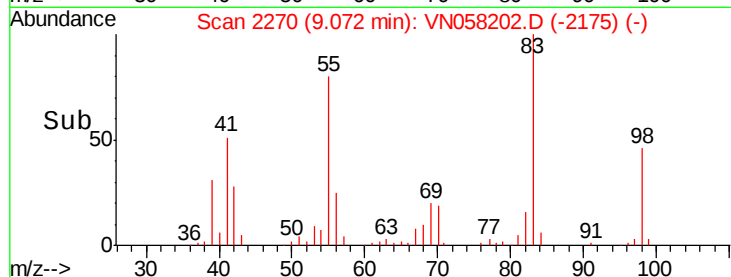
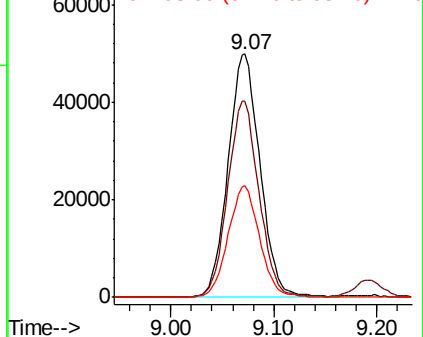
#39
Methvlcvclohexane
Concen: 18.590 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 107761
Ion Ratio Lower Upper
83 100
55 80.5 61.9 92.9
98 45.8 35.4 53.2

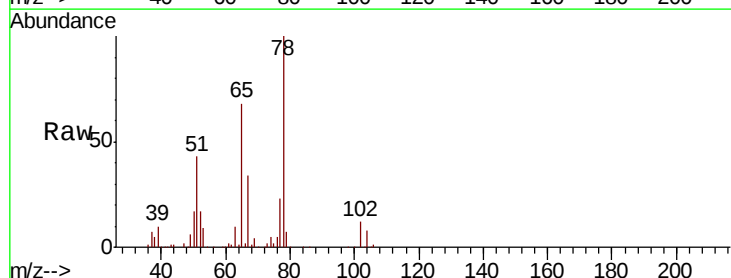


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

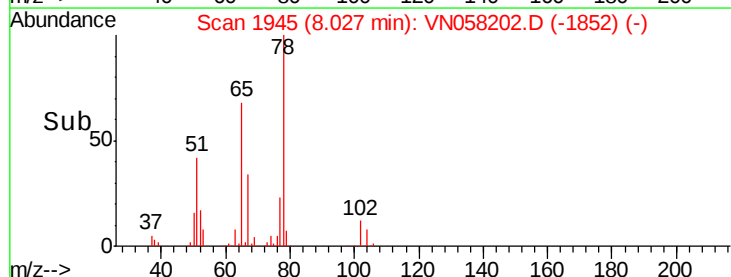
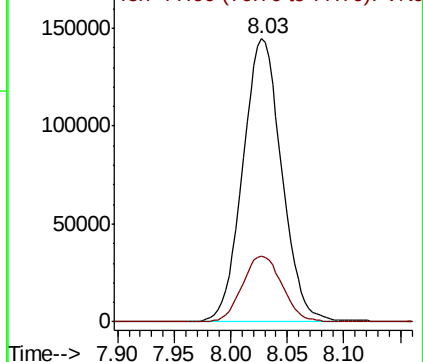


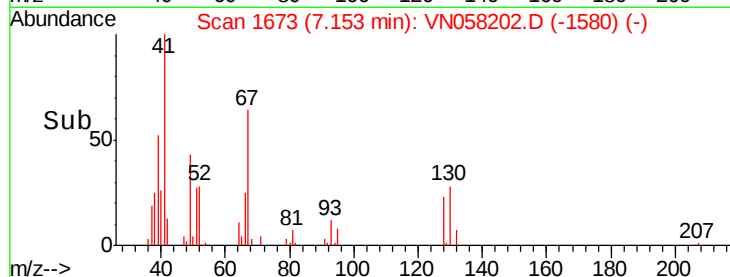
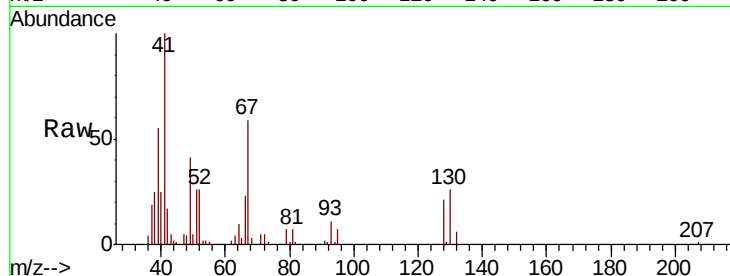
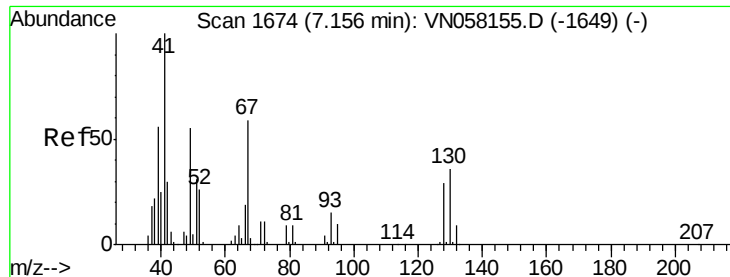
#40
Benzene
Concen: 18.876 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 78 Resp: 346494
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2



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

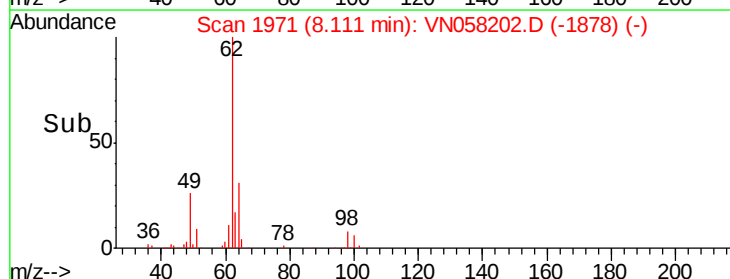
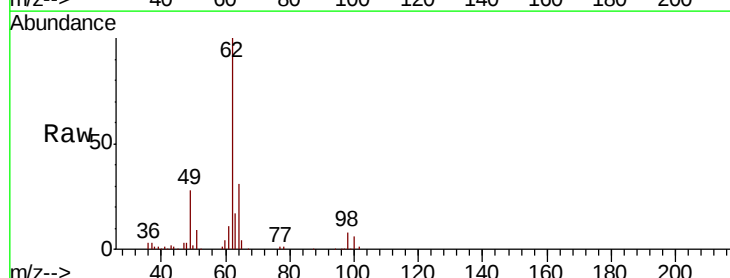
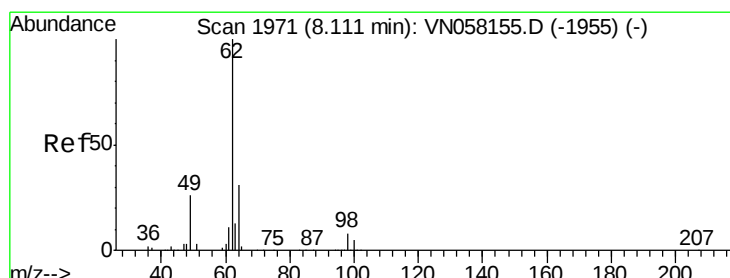
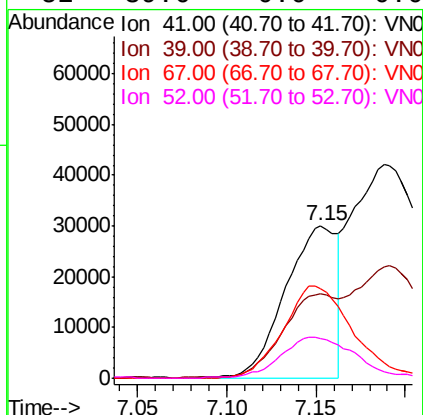




#41
Methacrylonitrile
Concen: 19.873 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

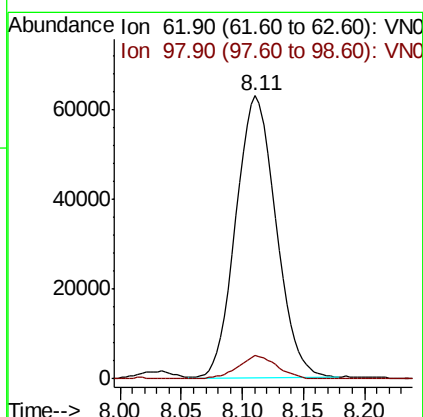
Instrument :
MSVOA_N
ClientSampled :

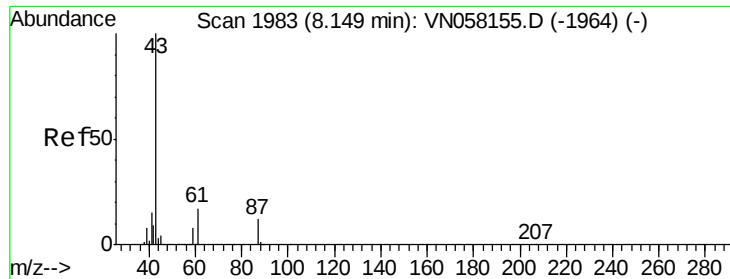
Tot Ion:	41	Resp:	60683
Ion	Ratio	Lower	Upper
41	100		
39	56.6	0.0	0.0#
67	82.3	0.0	0.0#
52	39.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 18.671 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:	62	Resp:	143811
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	15.6





#43

Isopropyl Acetate

Concen: 18.931 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :

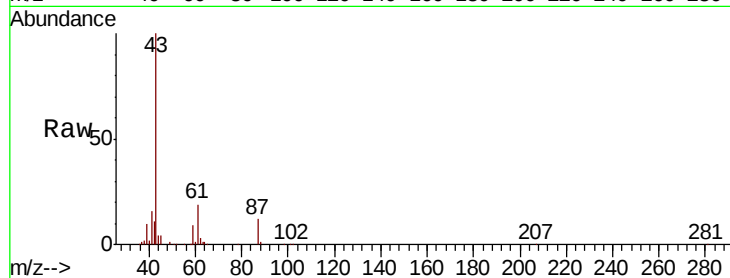
Tot Ion: 43 Resp: 220517

Ion Ratio Lower Upper

43 100

61 24.9 19.7 29.5

87 11.6 9.4 14.2

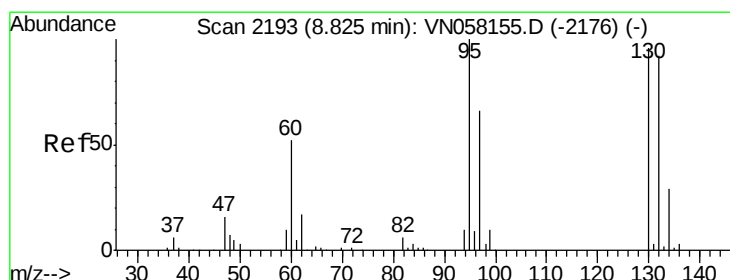
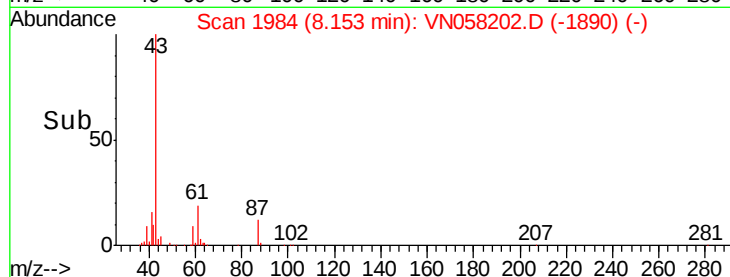
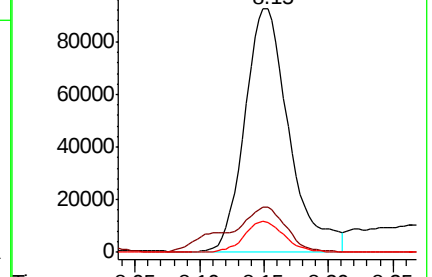


Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)

8.15



#44

Trichloroethene

Concen: 20.299 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058202.D

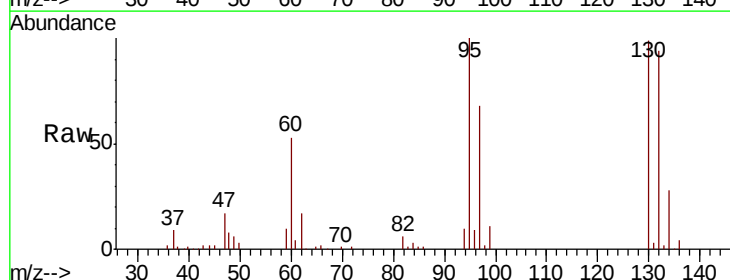
Acq: 19 Sep 2019 13:51

Tgt Ion:130 Resp: 91184

Ion Ratio Lower Upper

130 100

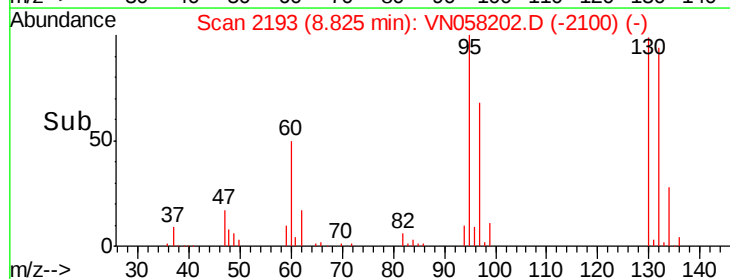
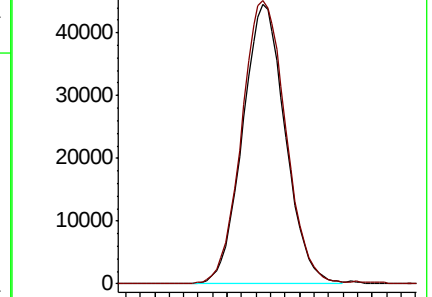
95 101.4 0.0 207.8

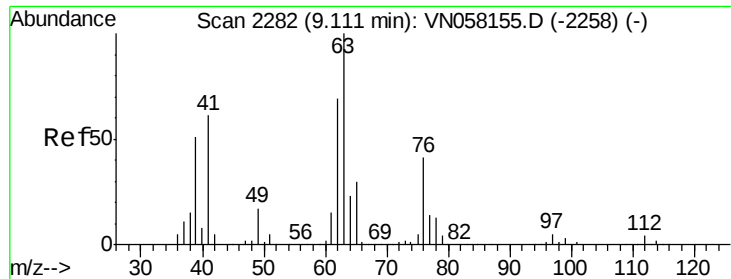


Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)

8.82

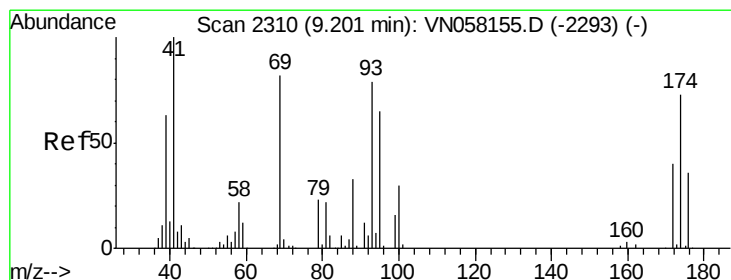
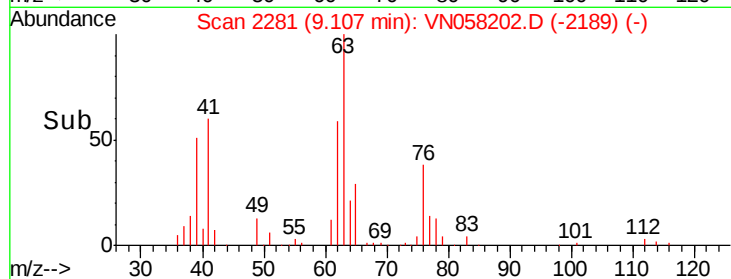
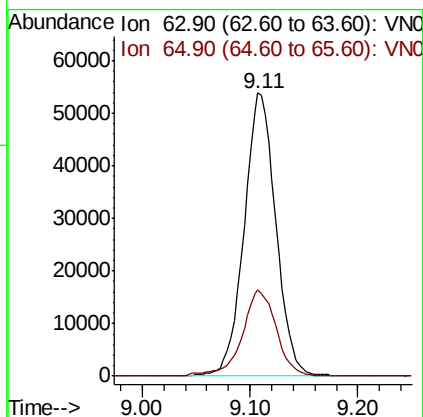
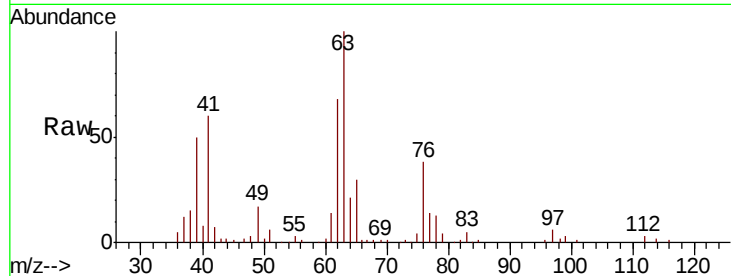




#45
 1,2-Dichloropropane
 Concen: 20.070 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

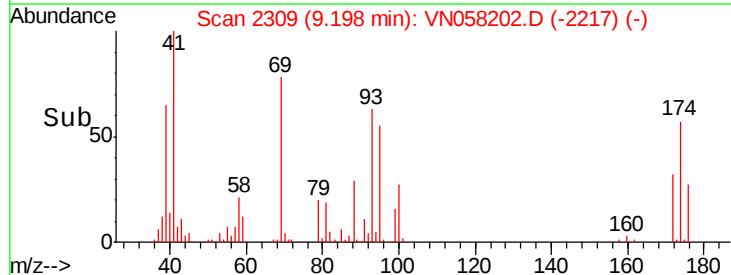
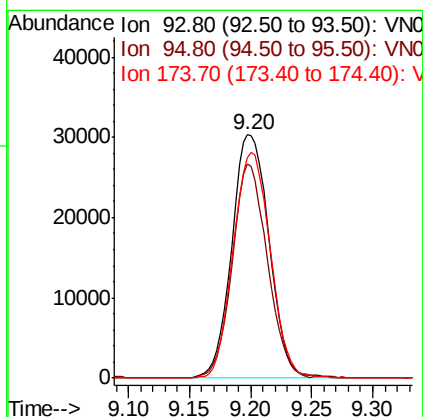
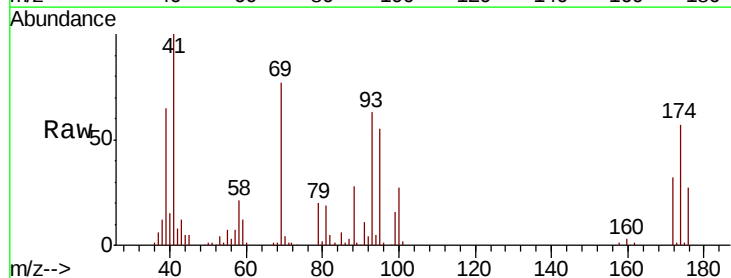
Instrument :
 MSVOA_N
 ClientSampled :

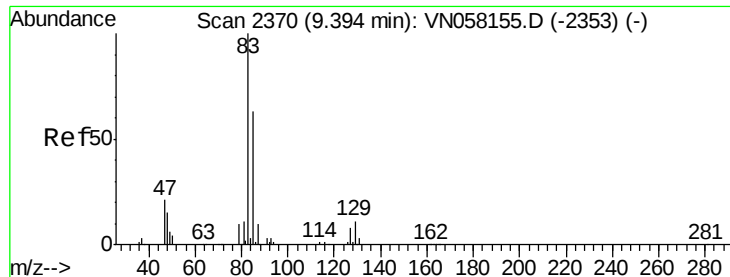
Tot Ion: 63 Resp: 110021
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.8 35.6



#46
 Dibromomethane
 Concen: 19.320 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 93 Resp: 64390
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.8 100.2
 174 92.0 73.8 110.8





#47

Bromodichloromethane

Concen: 19.367 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

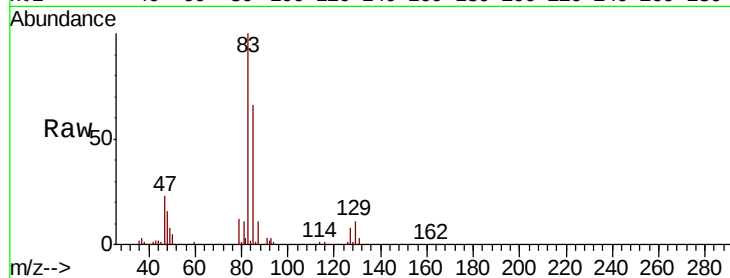
Tot Ion: 83 Resp: 135225

Ion Ratio Lower Upper

83 100

85 65.8 50.1 75.1

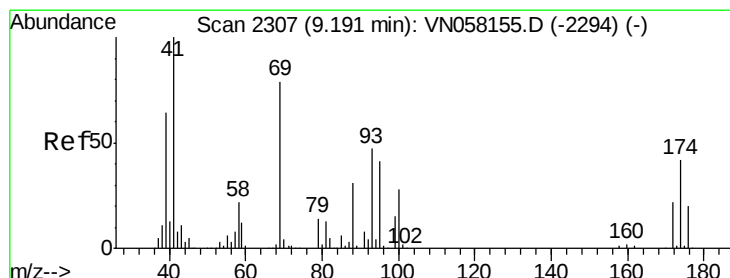
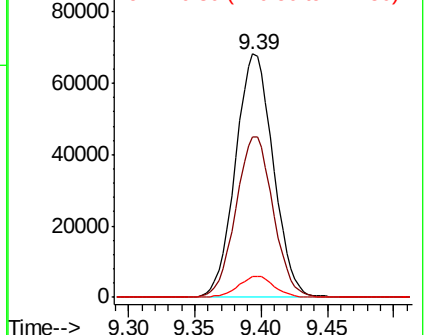
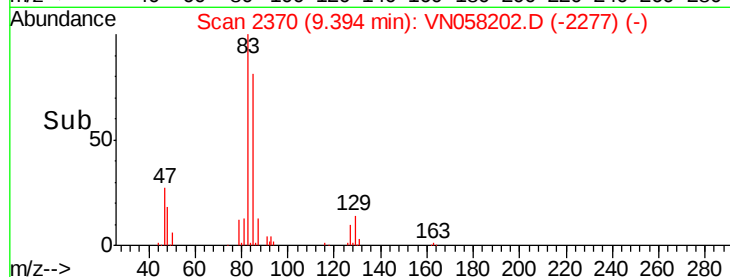
127 8.4 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN058202.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058202.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058202.D (-2277) (-)



#48

Methyl methacrylate

Concen: 19.281 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

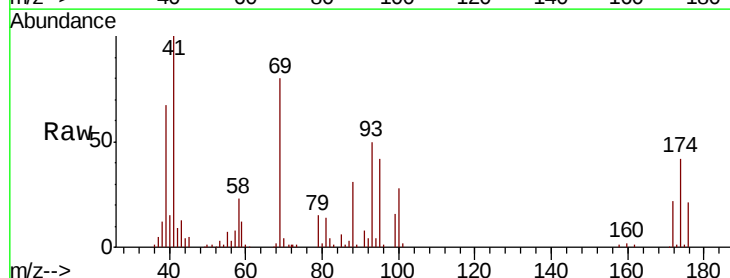
Tgt Ion: 41 Resp: 101972

Ion Ratio Lower Upper

41 100

69 78.8 62.5 93.7

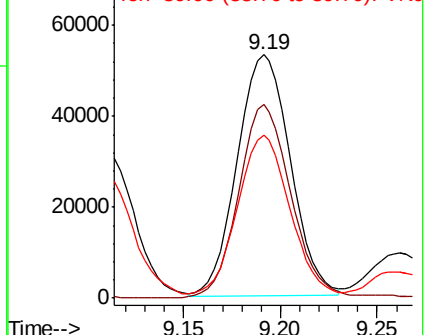
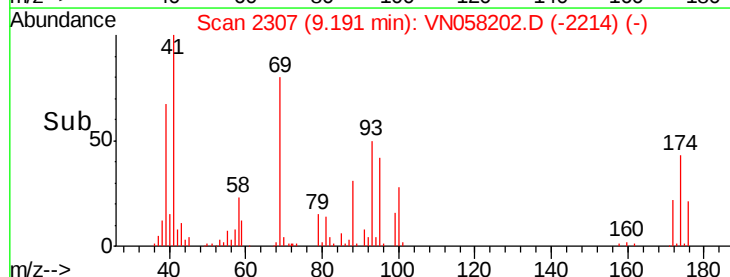
39 66.9 52.3 78.5

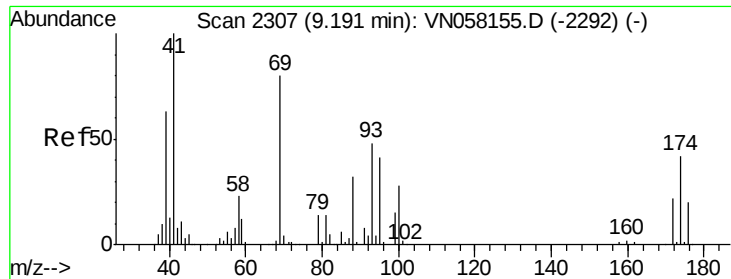


Abundance Ion 41.00 (40.70 to 41.70): VN058202.D (-2214) (-)

Ion 69.00 (68.70 to 69.70): VN058202.D (-2214) (-)

Ion 39.00 (38.70 to 39.70): VN058202.D (-2214) (-)

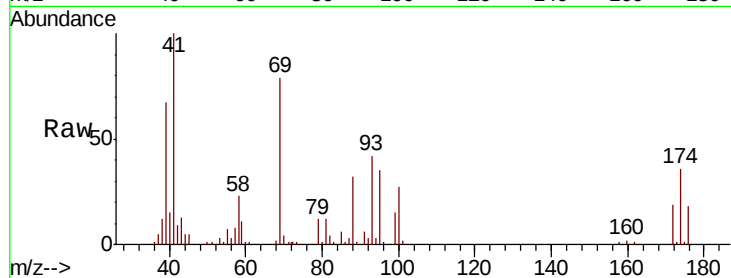




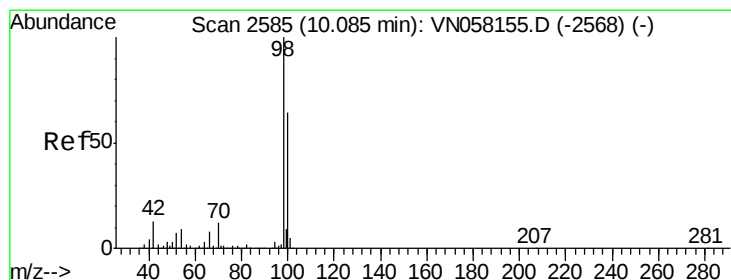
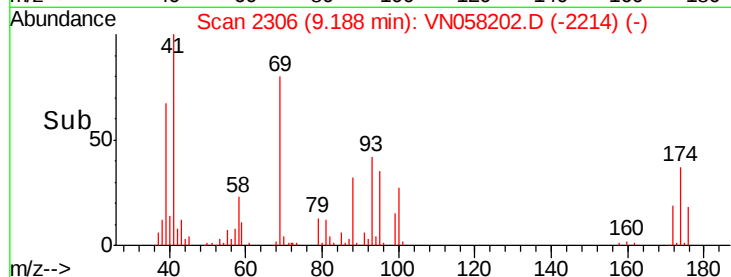
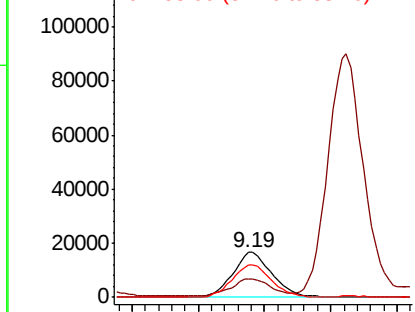
#49
 1,4-Dioxane
 Concen: 392.266 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 34061
 Ion Ratio Lower Upper
 88 100
 43 37.9 27.8 41.8
 58 72.5 55.0 82.4

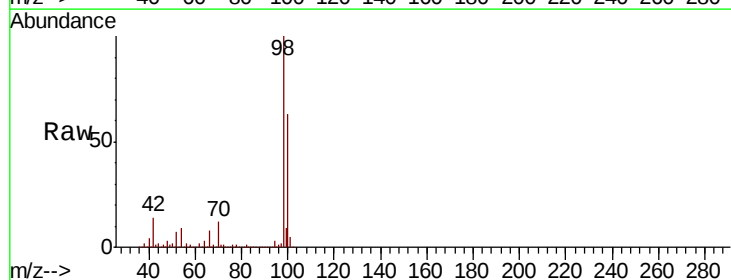


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

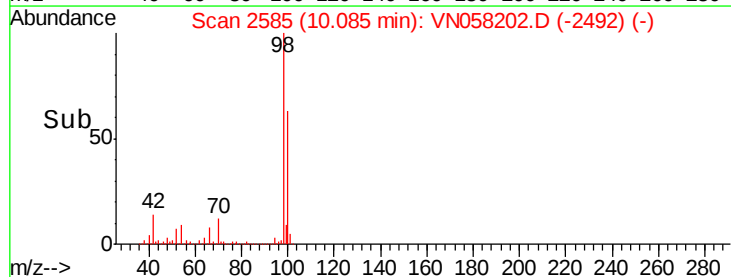
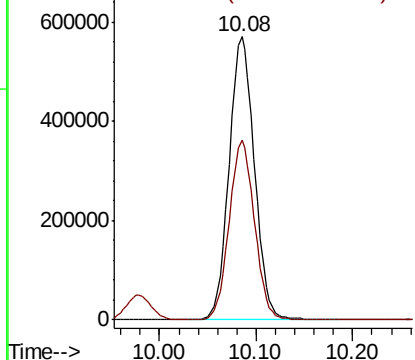


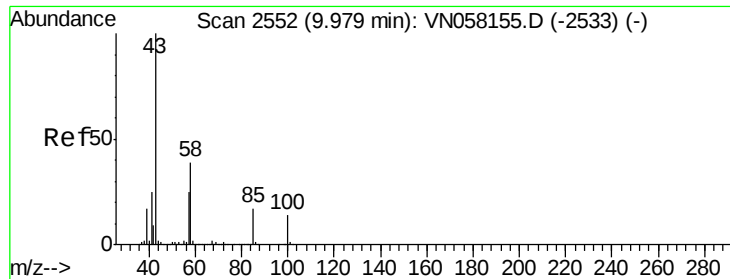
#50
 Toluene-d8
 Concen: 52.566 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 98 Resp: 1037603
 Ion Ratio Lower Upper
 98 100
 100 63.2 51.1 76.7



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: 108.894 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

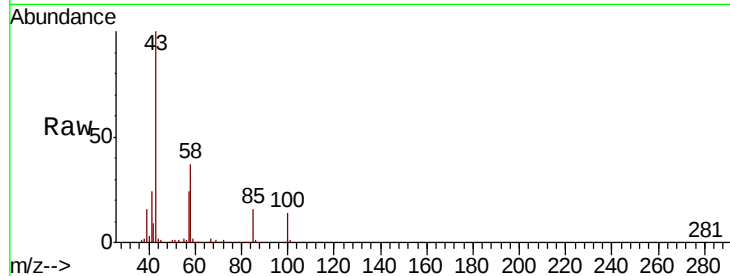
ClientSampled :

Tot Ion: 43 Resp: 673727

Ion Ratio Lower Upper

43 100

58 36.8 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

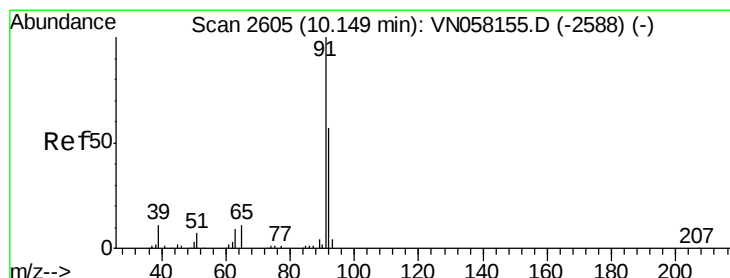
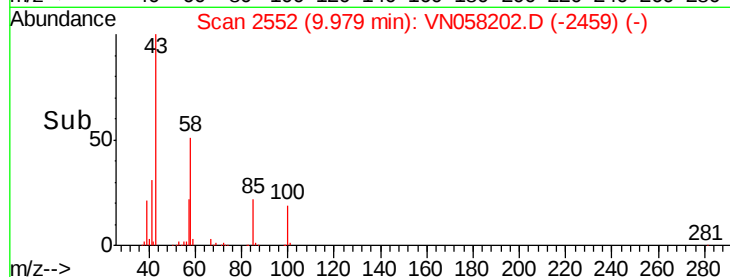
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.058 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058202.D

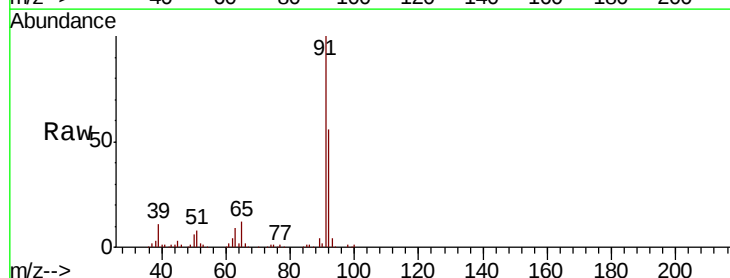
Acq: 19 Sep 2019 13:51

Tgt Ion: 92 Resp: 219242

Ion Ratio Lower Upper

92 100

91 174.9 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

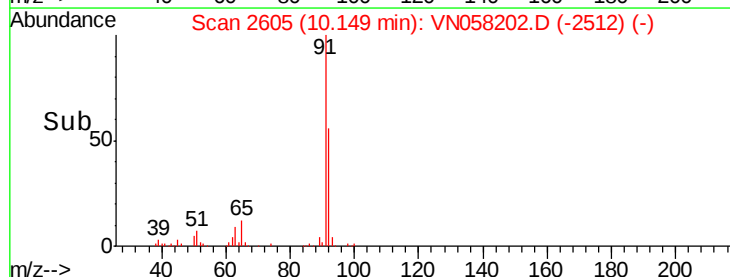
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.666 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

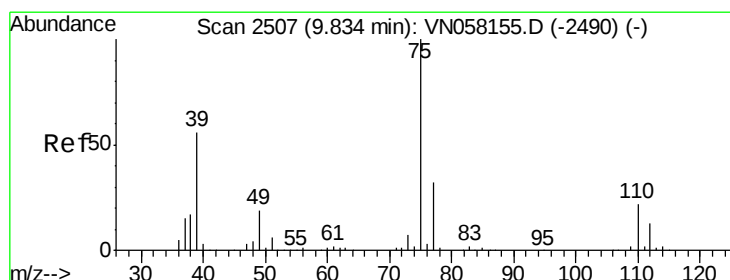
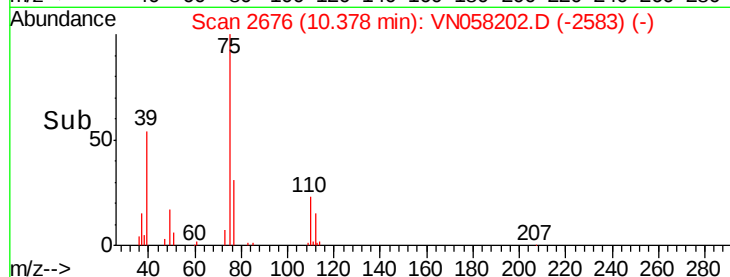
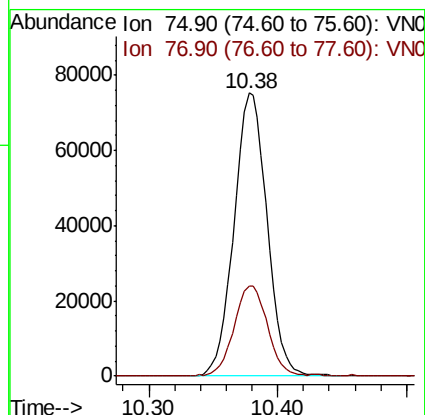
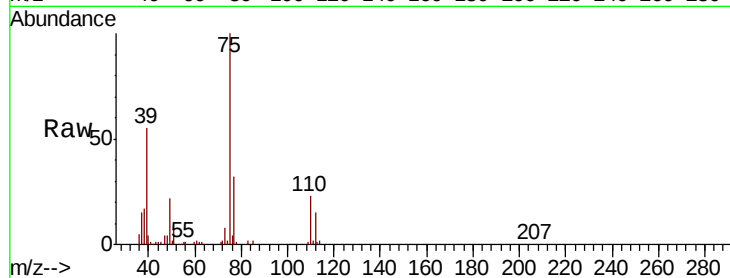
ClientSampleId :

Tot Ion: 75 Resp: 133505

Ion Ratio Lower Upper

75 100

77 31.7 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 18.784 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

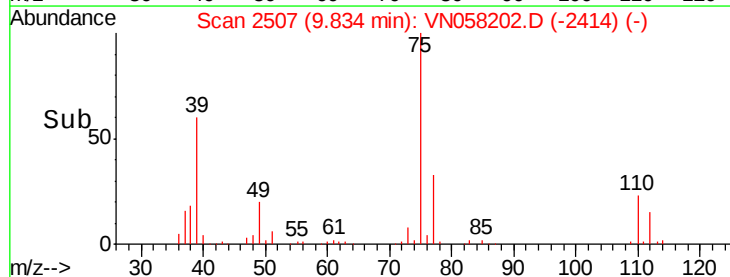
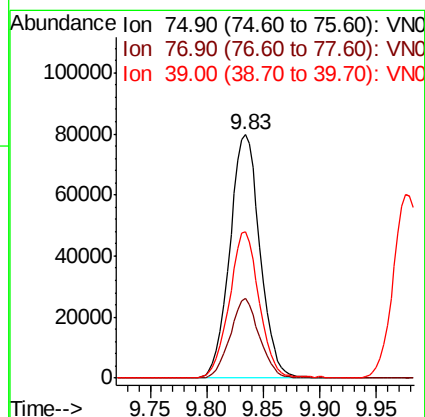
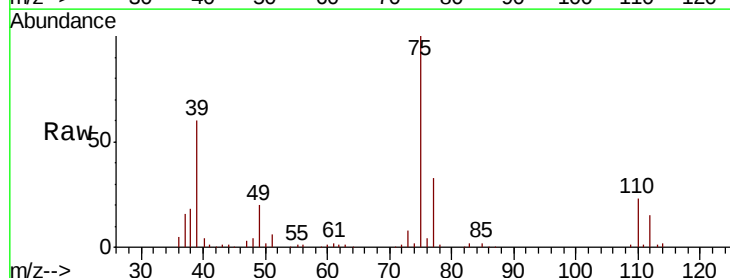
Tgt Ion: 75 Resp: 148333

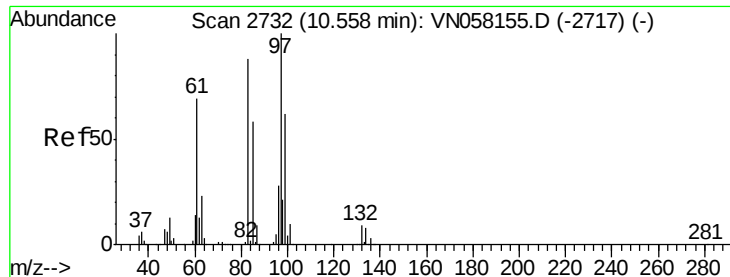
Ion Ratio Lower Upper

75 100

77 32.5 25.4 38.0

39 60.3 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 19.921 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 101700

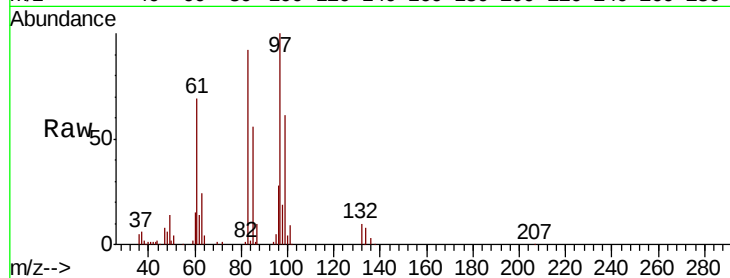
Ion Ratio Lower Upper

97 100

83 92.1 70.4 105.6

85 56.2 46.8 70.2

99 60.5 49.9 74.9



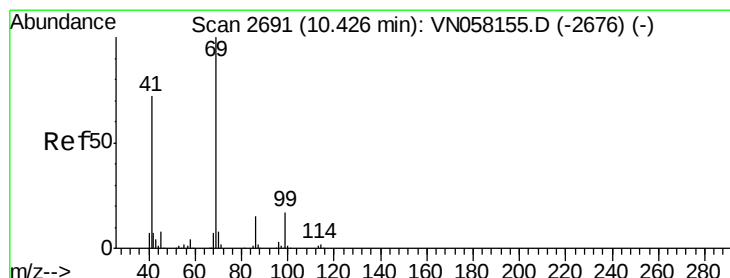
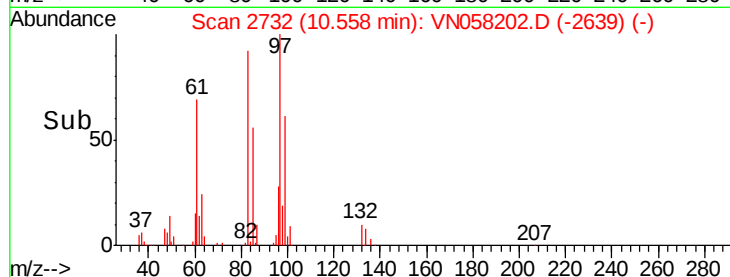
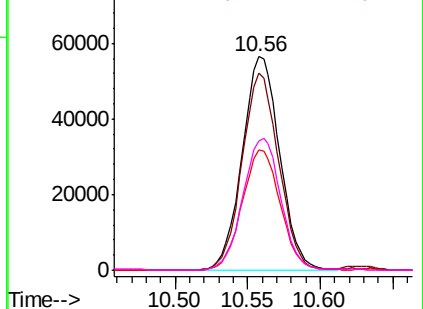
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.494 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

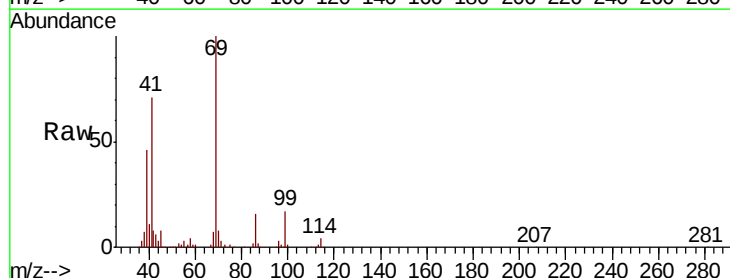
Tgt Ion: 69 Resp: 143594

Ion Ratio Lower Upper

69 100

41 72.8 57.5 86.3

39 46.0 36.1 54.1

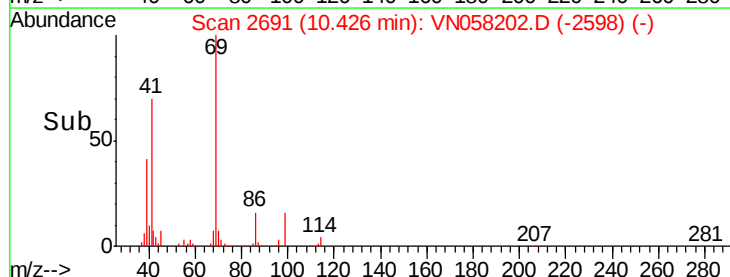
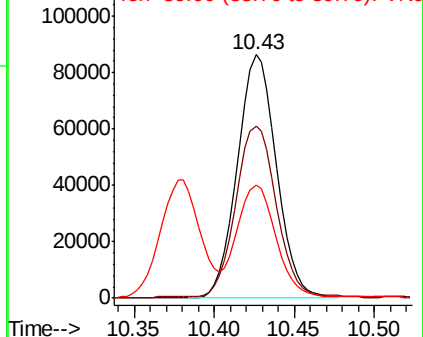


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.770 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

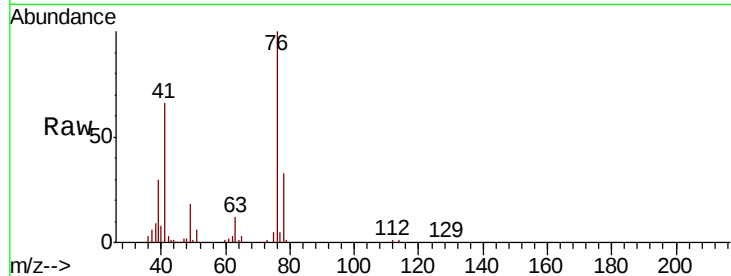
ClientSampled :

Tot Ion: 76 Resp: 173507

Ion Ratio Lower Upper

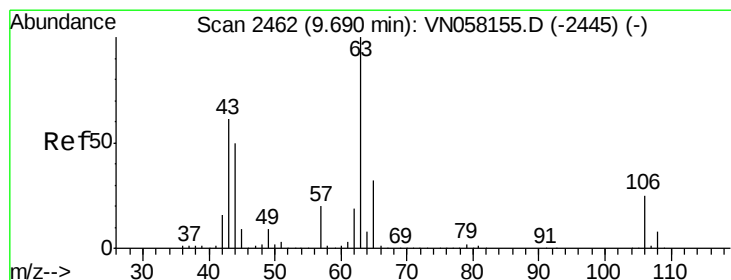
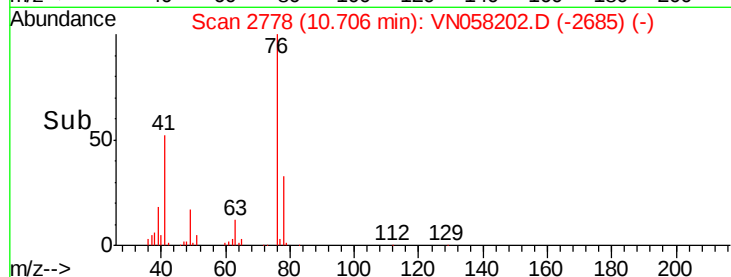
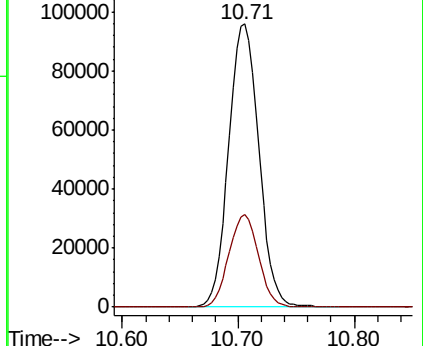
76 100

78 32.1 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 101.624 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058202.D

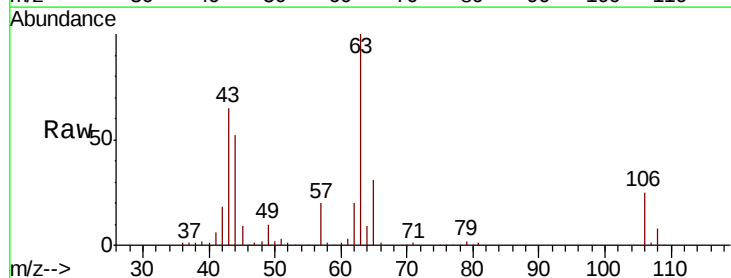
Acq: 19 Sep 2019 13:51

Tgt Ion: 63 Resp: 356559

Ion Ratio Lower Upper

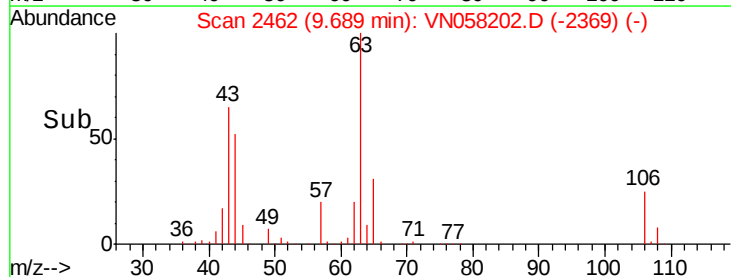
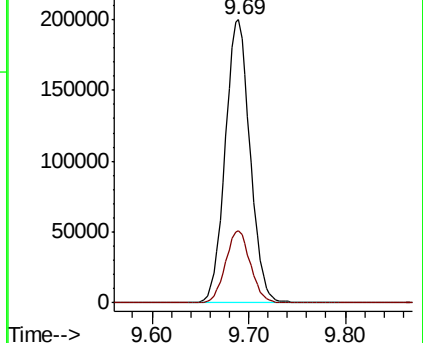
63 100

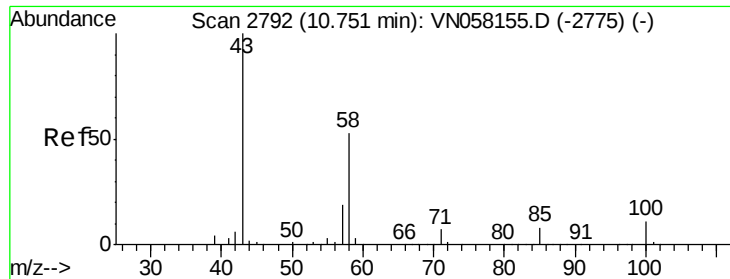
106 25.5 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 102.884 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

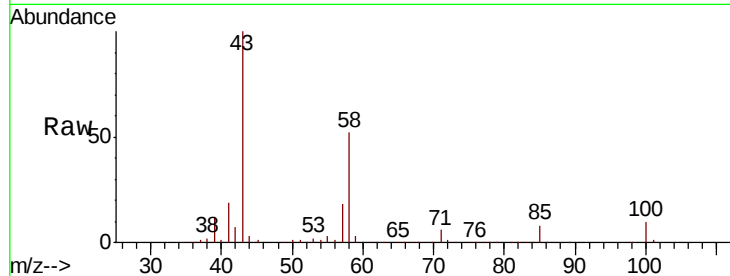
ClientSampleId :

Tot Ion: 43 Resp: 472752

Ion Ratio Lower Upper

43 100

58 51.1 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-2775) (-)

Ion 58.00 (57.70 to 58.70): VN058155.D (-2775) (-)

10.75

300000

250000

200000

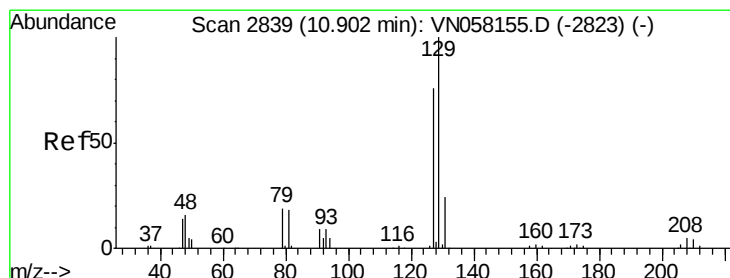
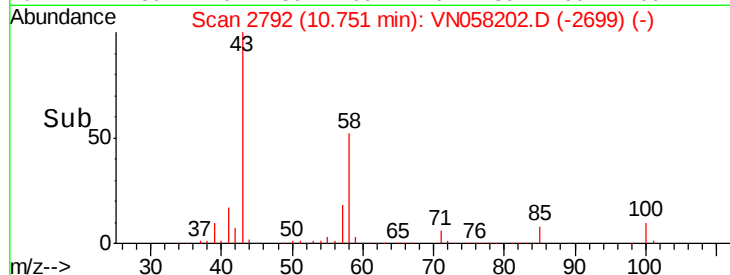
150000

100000

50000

0

Time--> 10.65 10.70 10.75 10.80



#60

Dibromochloromethane

Concen: 19.441 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN058202.D

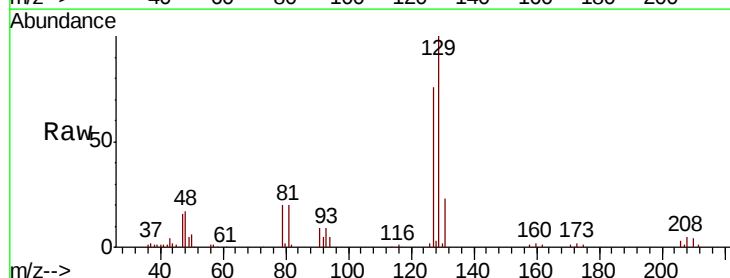
Acq: 19 Sep 2019 13:51

Tgt Ion: 129 Resp: 95485

Ion Ratio Lower Upper

129 100

127 75.8 38.7 116.1



Abundance Ion 128.80 (128.50 to 129.50): VN058155.D (-2823) (-)

Ion 126.80 (126.50 to 127.50): VN058155.D (-2823) (-)

10.90

60000

50000

40000

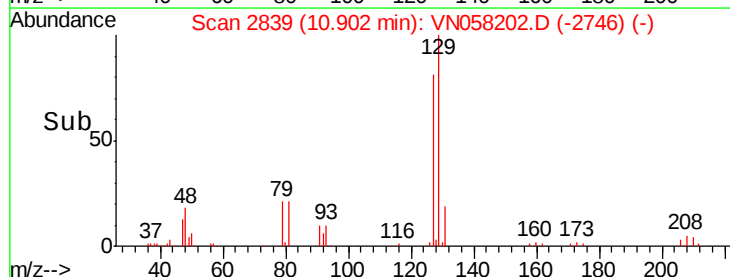
30000

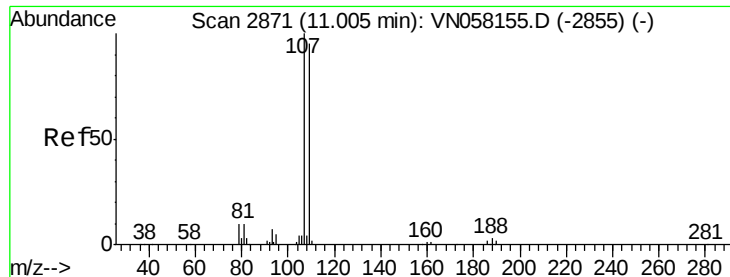
20000

10000

0

Time--> 10.85 10.90 10.95





#61

1,2-Dibromoethane

Concen: 19.394 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

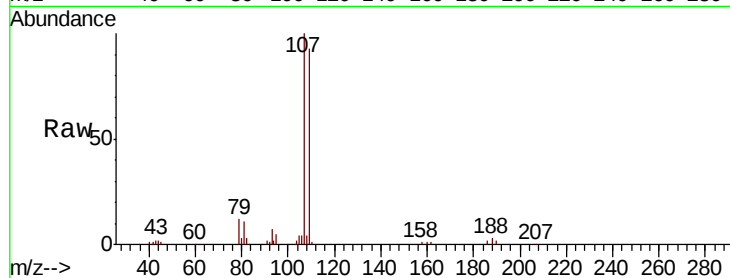
ClientSampleId :

Tot Ion:107 Resp: 91755

Ion Ratio Lower Upper

107 100

109 93.9 75.4 113.2

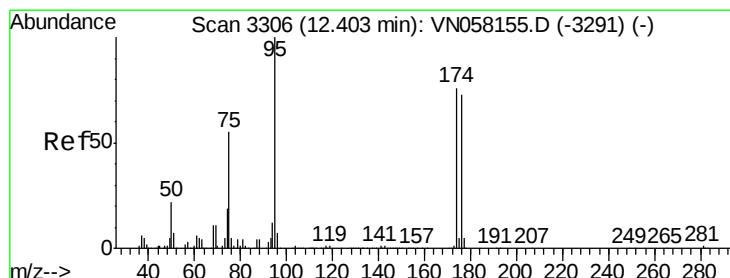
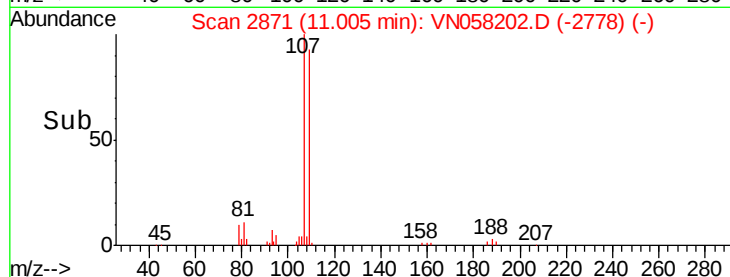


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

Time-->



#62

4-Bromofluorobenzene

Concen: 49.713 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

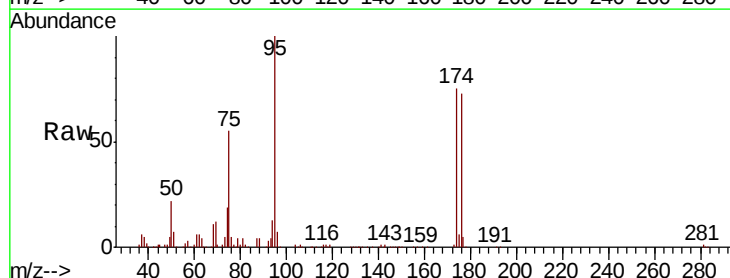
Tgt Ion: 95 Resp: 364511

Ion Ratio Lower Upper

95 100

174 76.0 0.0 152.2

176 74.4 0.0 148.0



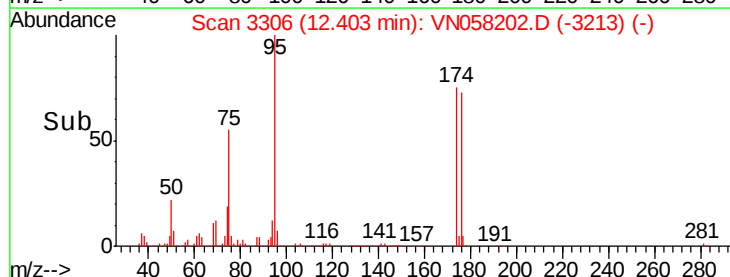
Abundance Ion 94.90 (94.60 to 95.60): V

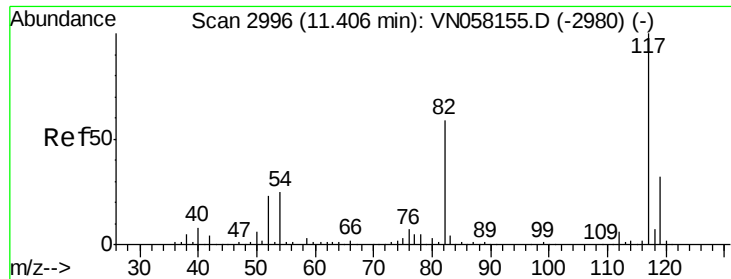
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

Time-->

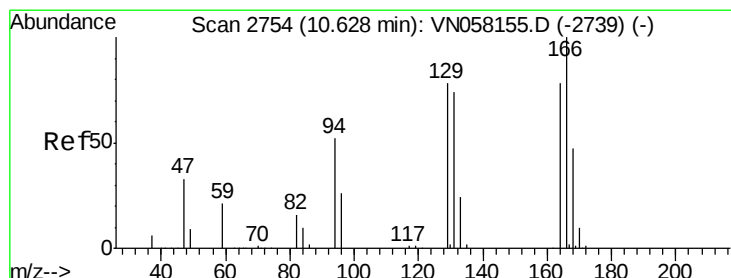
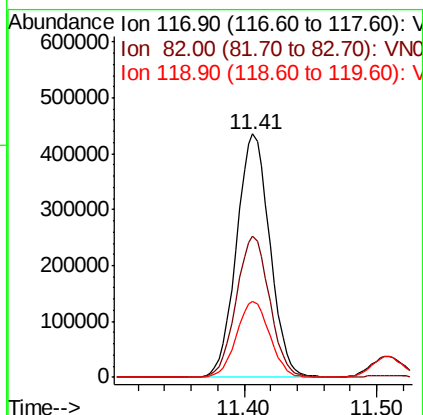
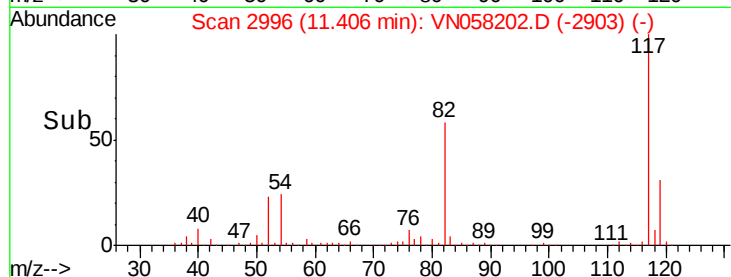
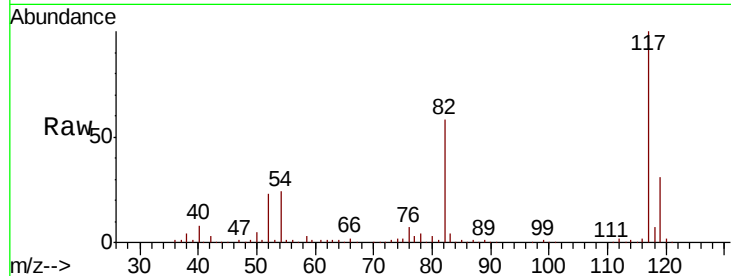




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

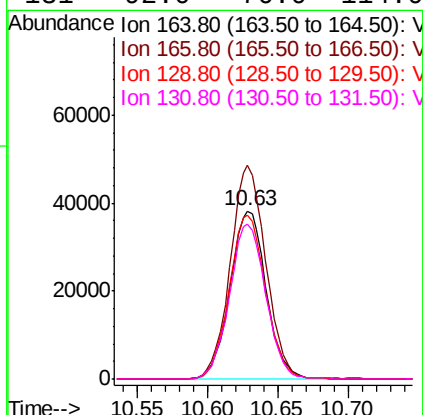
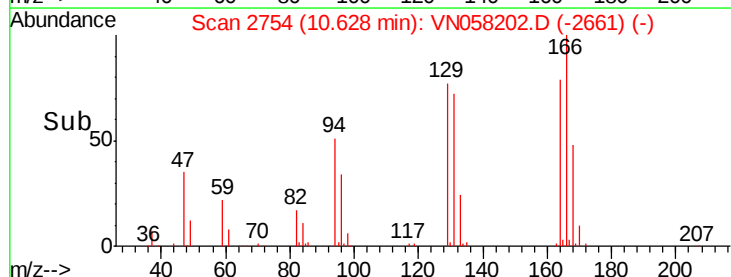
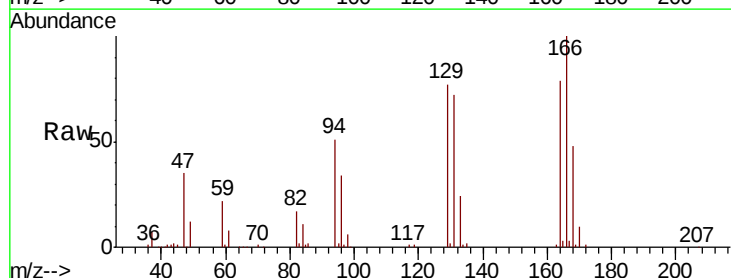
Instrument :
MSVOA_N
ClientSampleId :

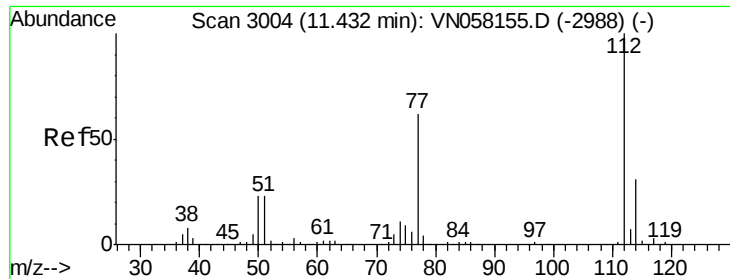
Tot Ion:117 Resp: 759922
Ion Ratio Lower Upper
117 100
82 57.9 46.9 70.3
119 31.2 25.3 37.9



#64
Tetrachloroethene
Concen: 18.489 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:164 Resp: 68492
Ion Ratio Lower Upper
164 100
166 126.9 102.2 153.4
129 97.5 79.6 119.4
131 92.0 76.0 114.0

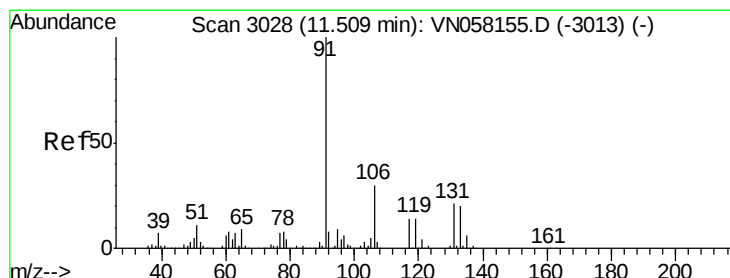
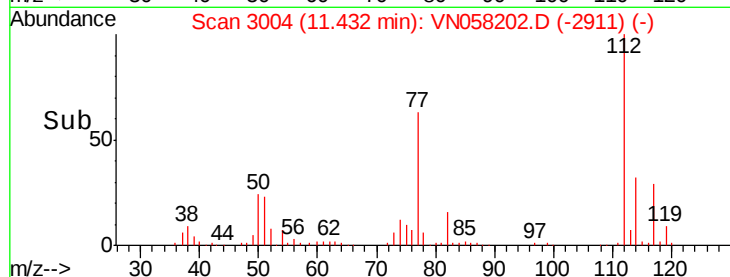
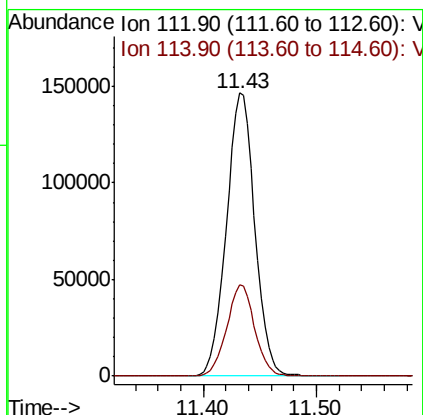
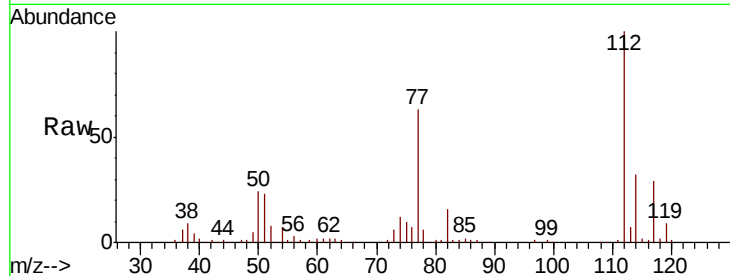




#65
Chlorobenzene
Concen: 19.080 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

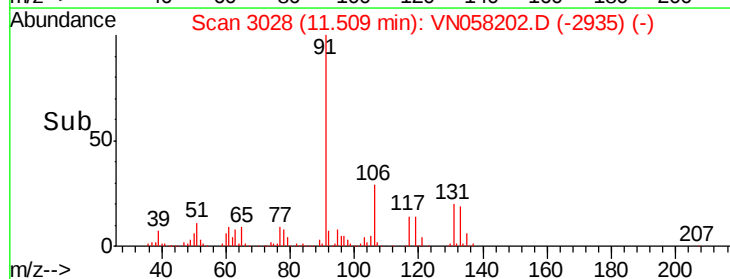
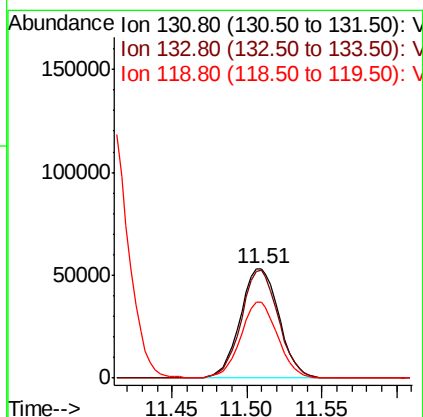
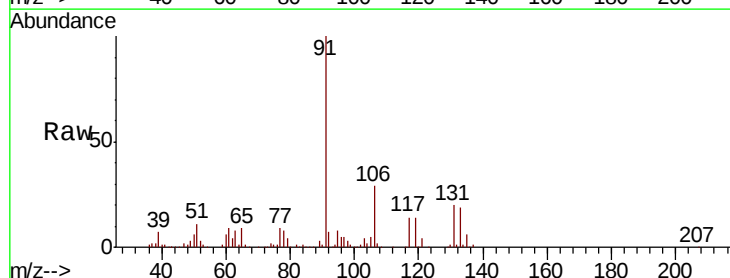
Instrument :
MSVOA_N
ClientSampleId :

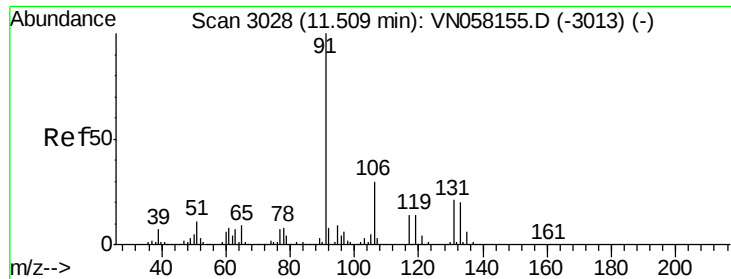
Tot Ion:112 Resp: 255028
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.839 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:131 Resp: 96152
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.3
119 66.3 33.1 99.3

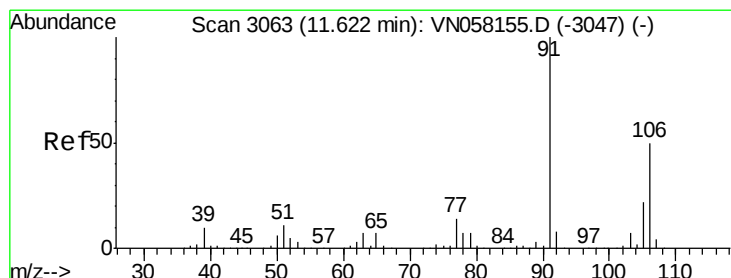
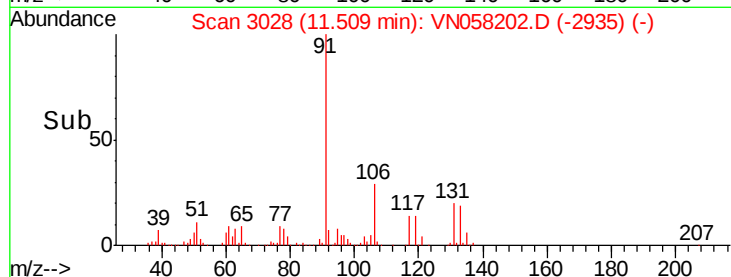
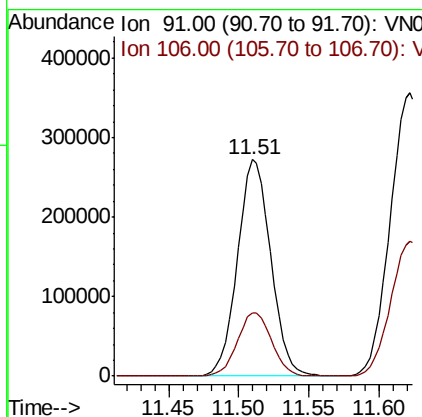
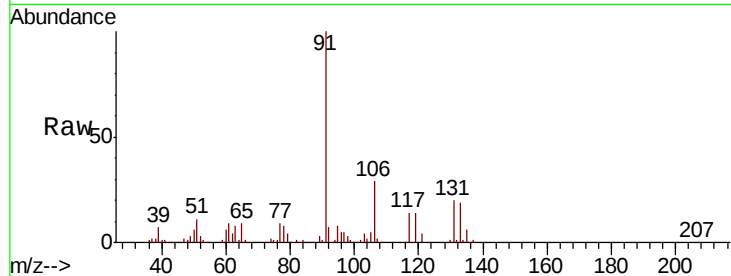




#67
Ethyl Benzene
Concen: 19.712 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

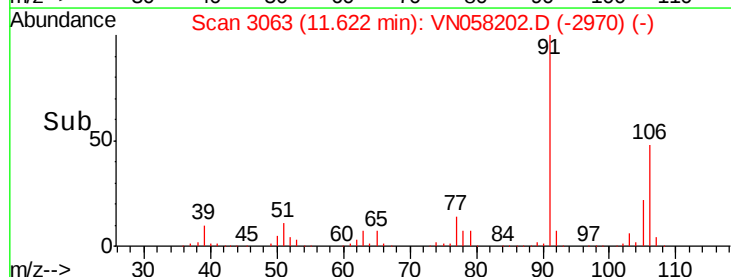
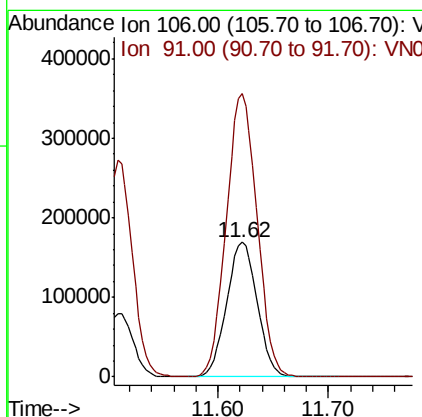
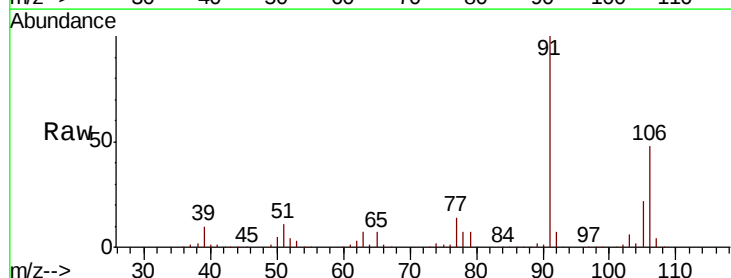
Instrument :
MSVOA_N
ClientSampled :

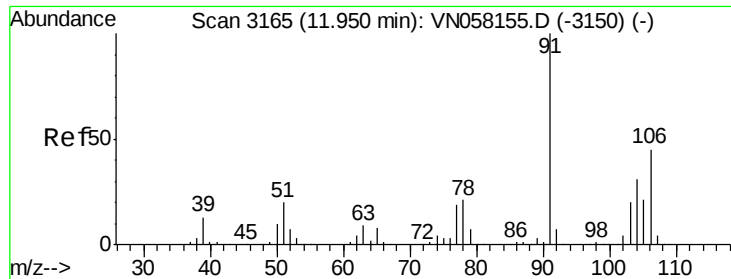
Tot Ion: 91 Resp: 451472
Ion Ratio Lower Upper
91 100
106 29.5 24.0 36.0



#68
m/p-Xylenes
Concen: 37.685 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 106 Resp: 325072
Ion Ratio Lower Upper
106 100
91 211.1 163.6 245.4

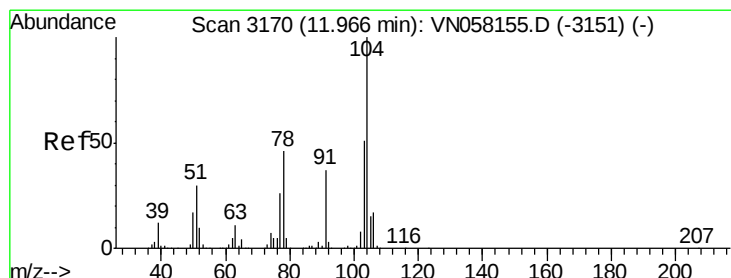
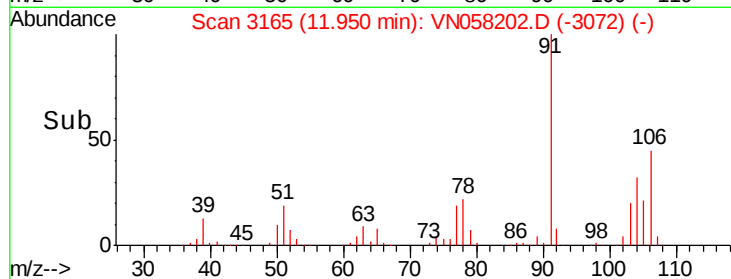
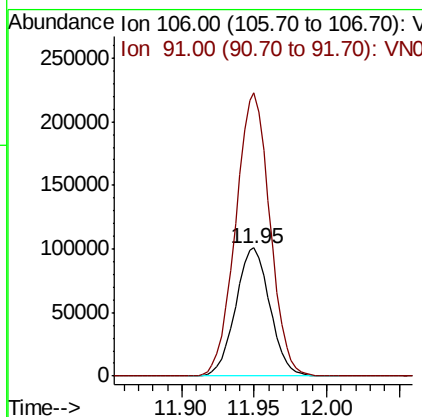
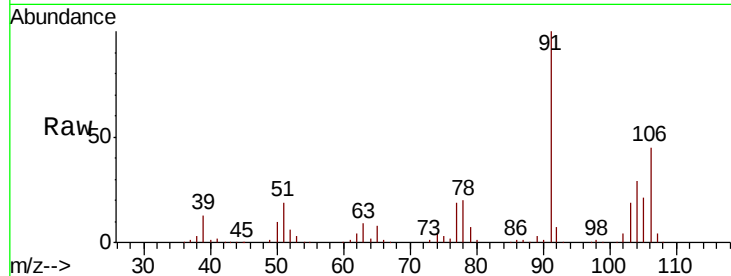




#69
o-Xylene
Concen: 19.529 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

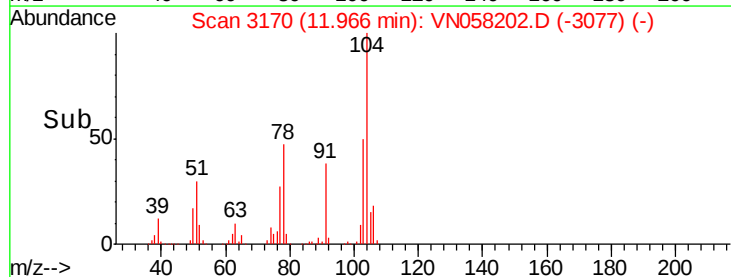
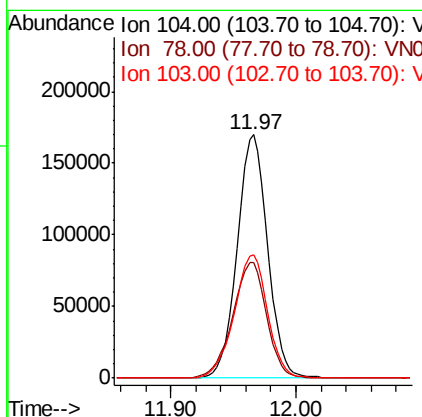
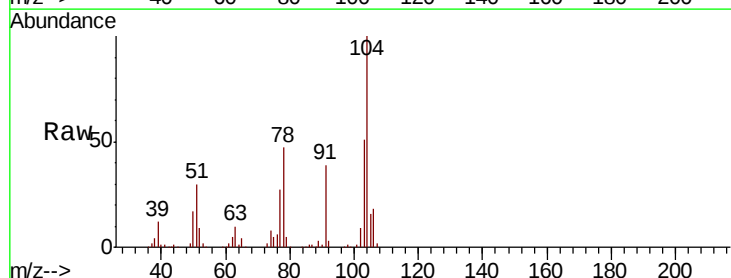
Instrument :
MSVOA_N
ClientSampled :

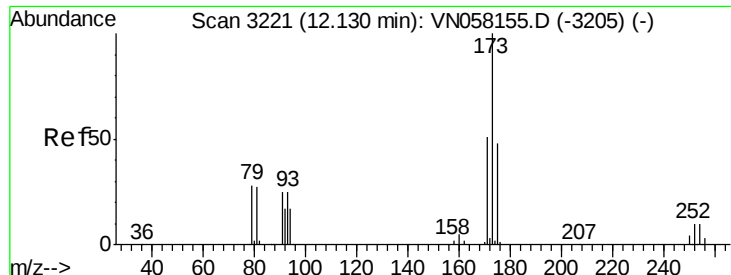
Tot Ion:106 Resp: 165647
Ion Ratio Lower Upper
106 100
91 220.4 111.8 335.3



#70
Styrene
Concen: 19.601 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:104 Resp: 286461
Ion Ratio Lower Upper
104 100
78 53.2 41.8 62.8
103 55.6 44.2 66.2





#71

Bromoform

Concen: 18.275 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

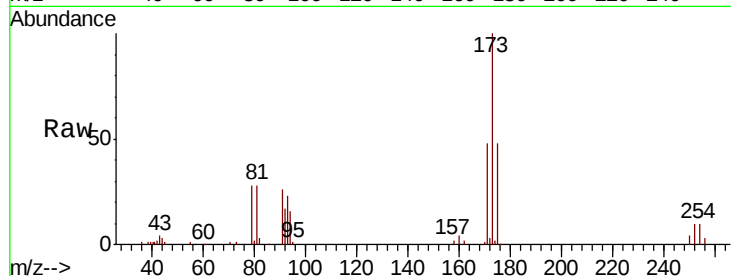
Tot Ion:173 Resp: 56837

Ion Ratio Lower Upper

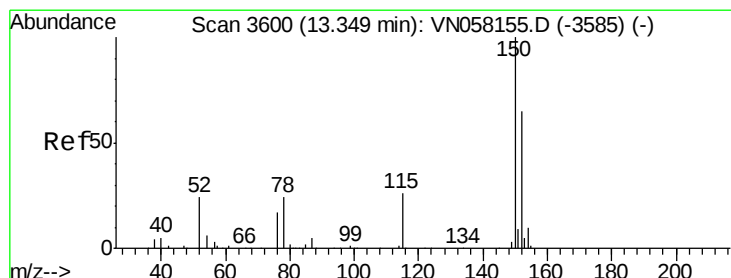
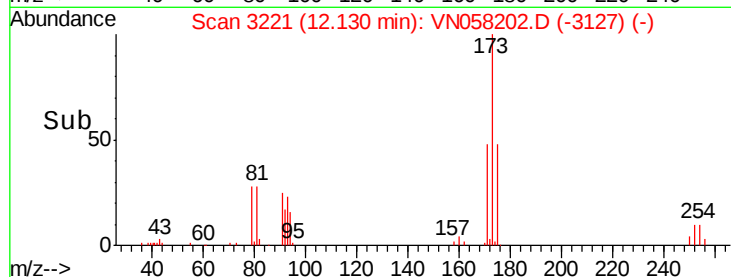
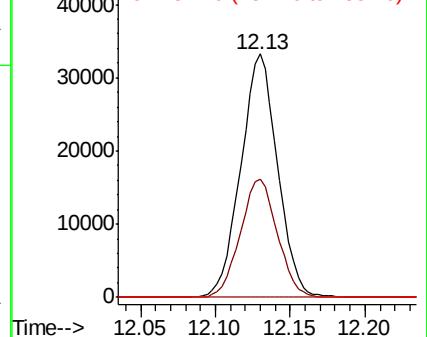
173 100

175 48.8 24.2 72.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

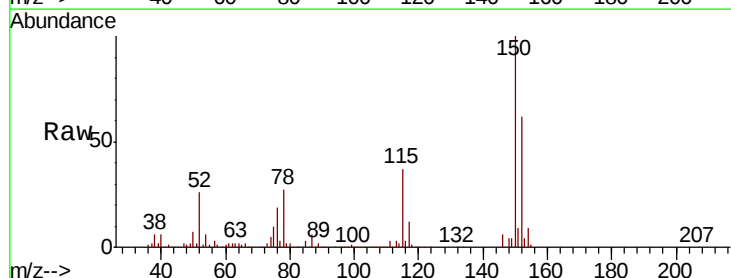
Tgt Ion:152 Resp: 358725

Ion Ratio Lower Upper

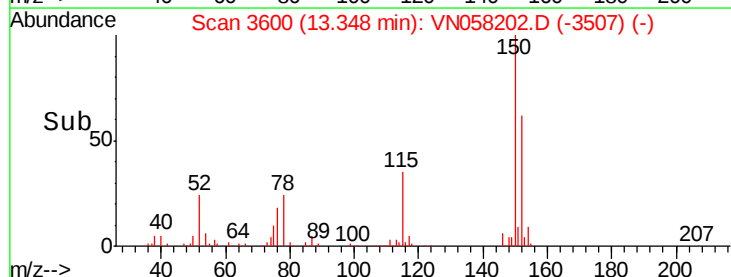
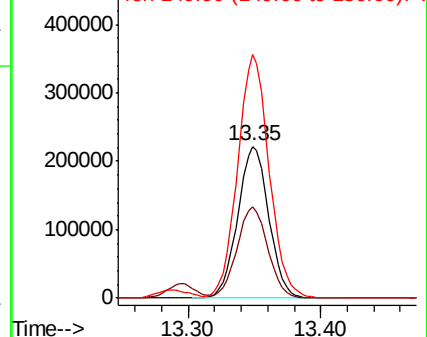
152 100

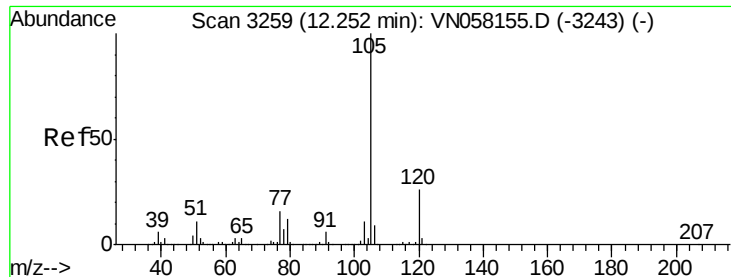
115 60.0 30.1 90.3

150 162.7 0.0 346.4



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: 20.888 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

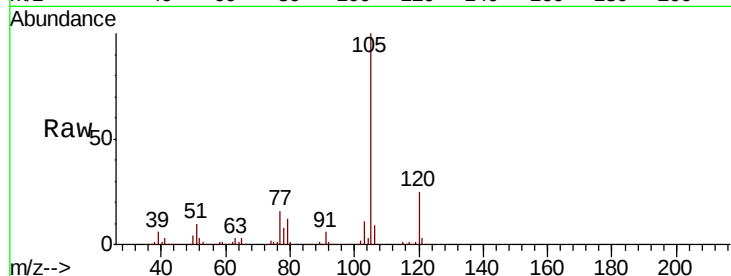
ClientSampleId :

Tot Ion:105 Resp: 469008

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

300000

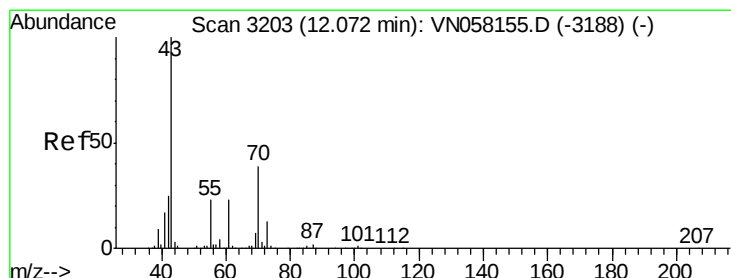
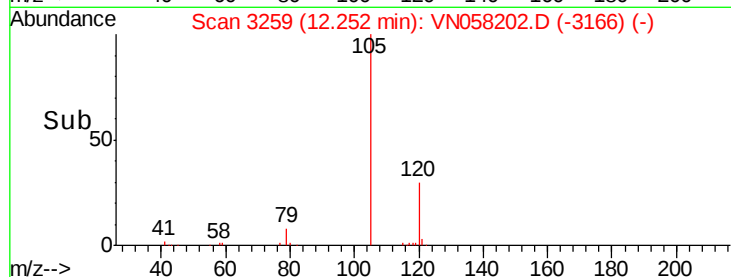
200000

100000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 19.968 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Tgt Ion: 43 Resp: 187563

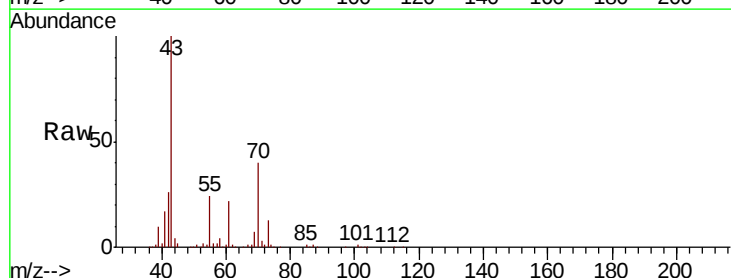
Ion Ratio Lower Upper

43 100

70 40.0 31.0 46.6

55 25.2 18.5 27.7

61 22.7 18.2 27.2



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

12.07

150000

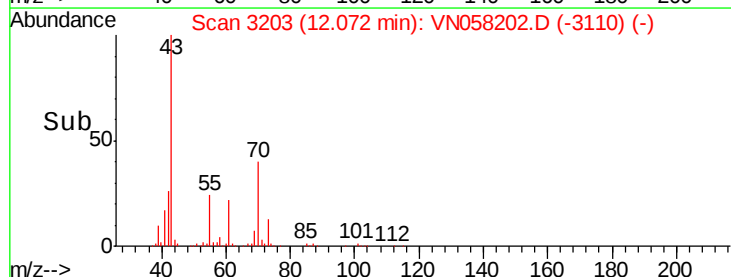
100000

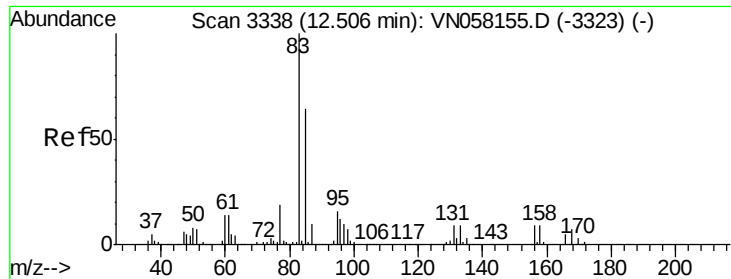
50000

0

Time-->

12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 20.676 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

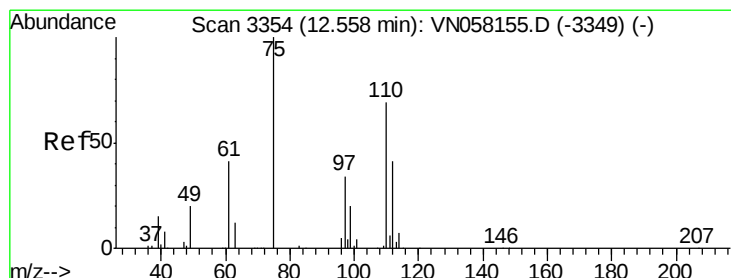
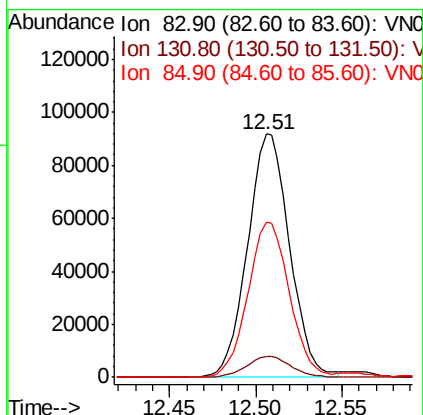
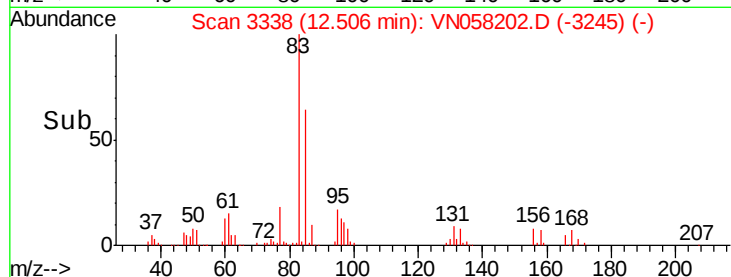
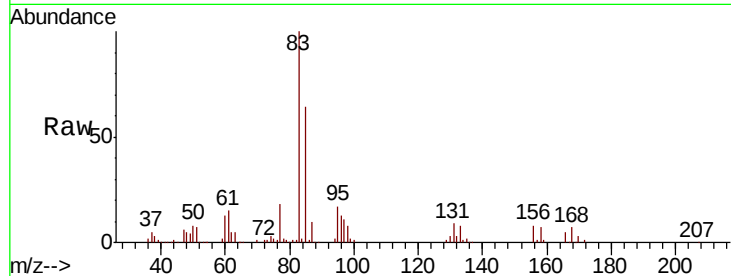
Tot Ion: 83 Resp: 155467

Ion Ratio Lower Upper

83 100

131 9.2 4.8 14.3

85 62.9 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 28.177 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058202.D

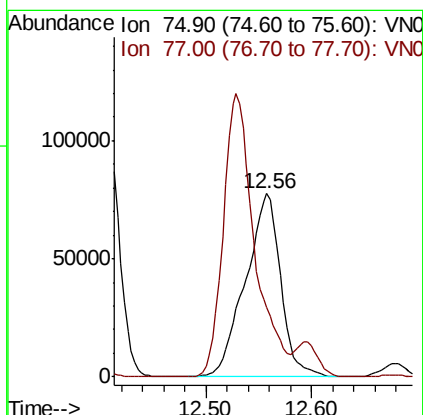
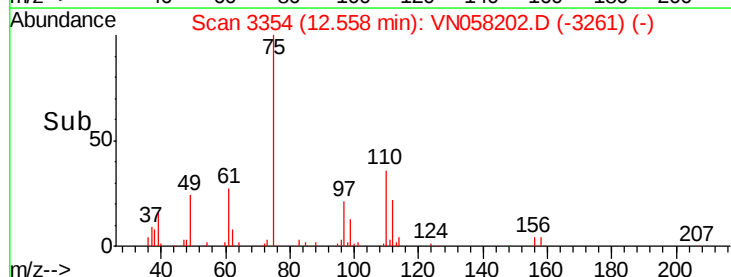
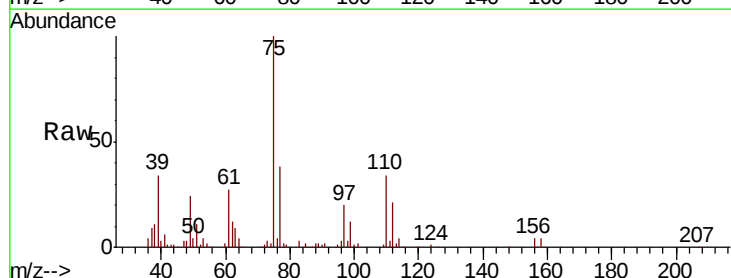
Acq: 19 Sep 2019 13:51

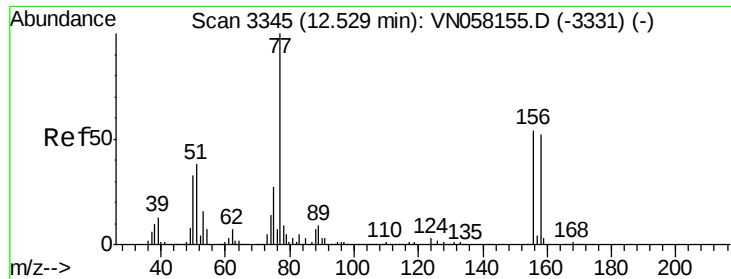
Tgt Ion: 75 Resp: 180900

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.436 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

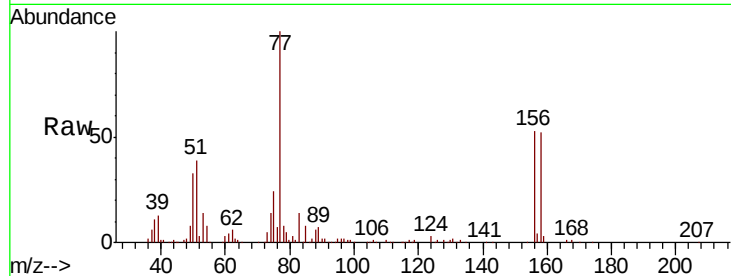
Tot Ion:156 Resp: 109774

Ion Ratio Lower Upper

156 100

77 224.7 111.7 335.1

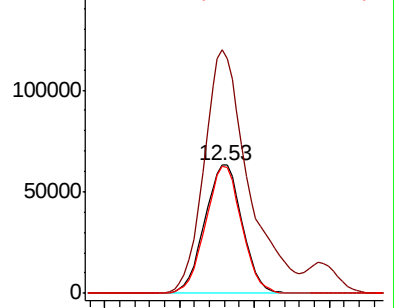
158 95.9 47.9 143.8



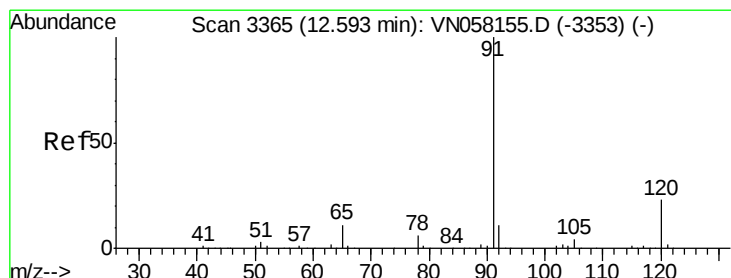
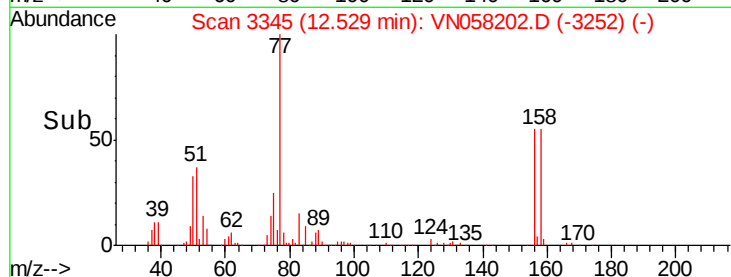
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time--> 12.45 12.50 12.55 12.60



#78

n-propylbenzene

Concen: 21.081 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058202.D

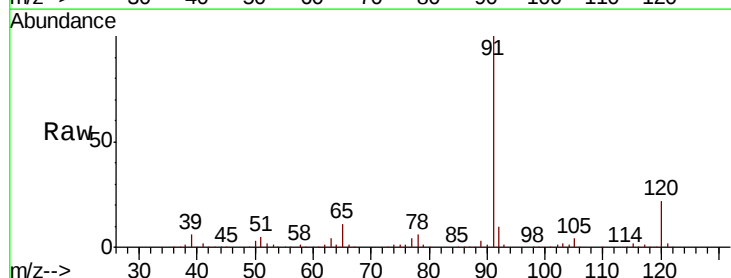
Acq: 19 Sep 2019 13:51

Tgt Ion: 91 Resp: 537892

Ion Ratio Lower Upper

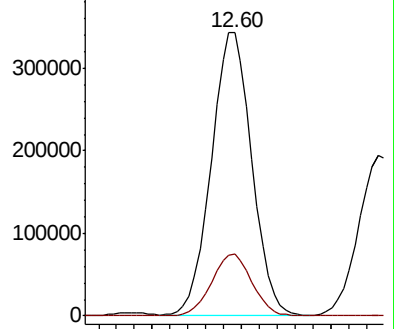
91 100

120 21.9 11.1 33.3

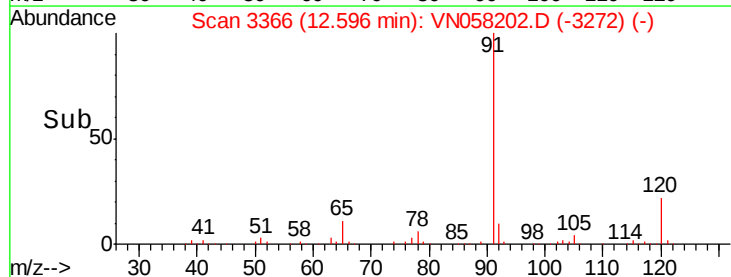


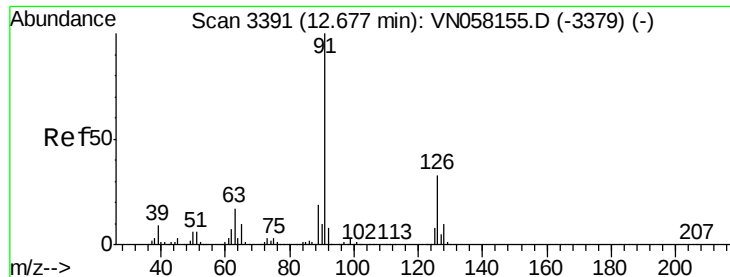
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time--> 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 20.216 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

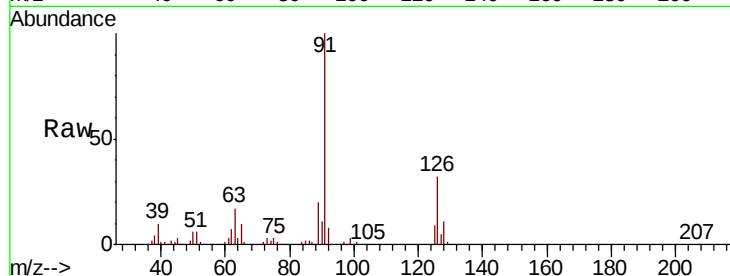
ClientSampled :

Tot Ion: 91 Resp: 322364

Ion Ratio Lower Upper

91 100

126 32.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

300000

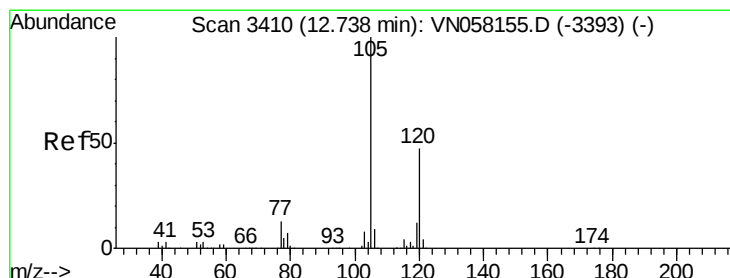
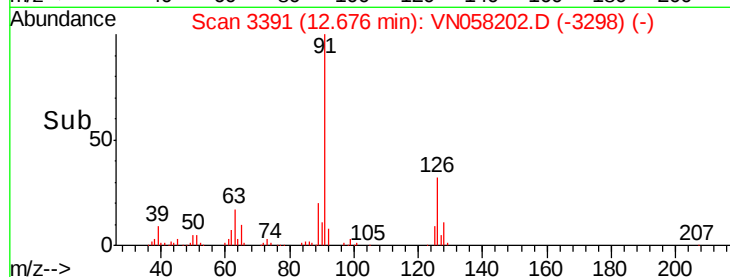
200000

100000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.919 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058202.D

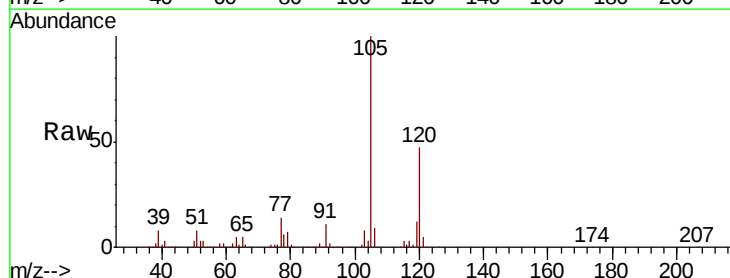
Acq: 19 Sep 2019 13:51

Tgt Ion:105 Resp: 397194

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

300000

250000

200000

150000

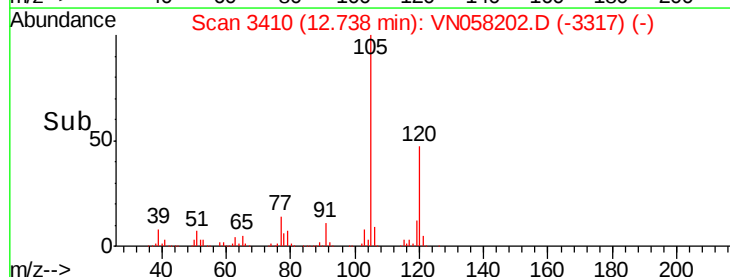
100000

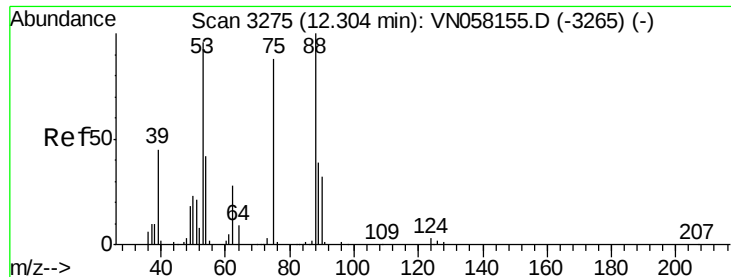
50000

0

12.70 12.74 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.700 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

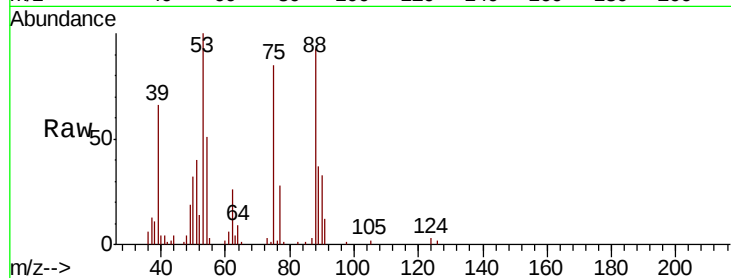
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 33951

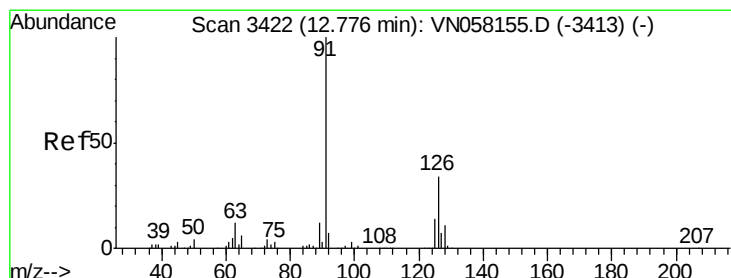
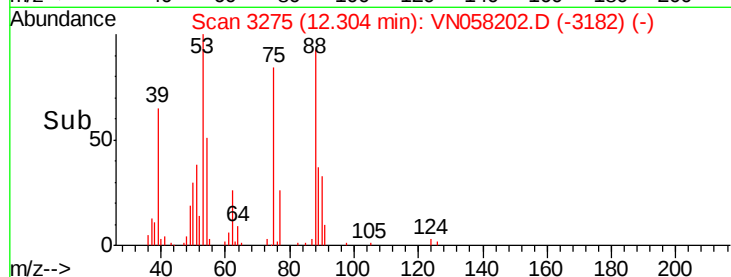
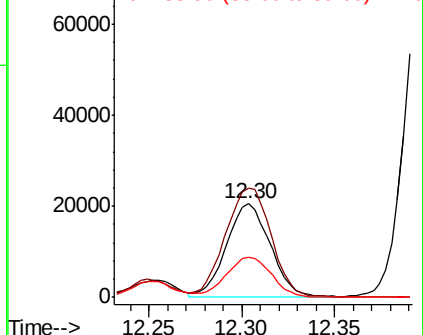
Ion	Ratio	Lower	Upper
75	100		
53	122.2	90.1	135.1
89	44.0	36.2	54.2



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 19.816 ug/l

RT: 12.78 min Scan# 3422

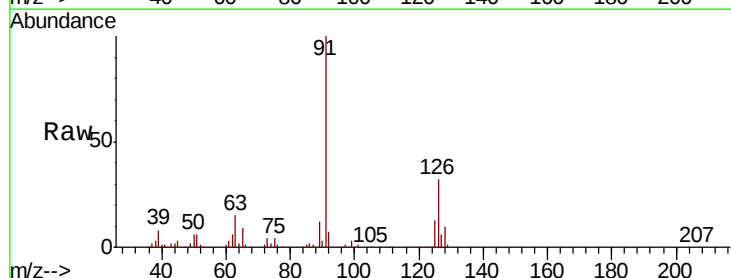
Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

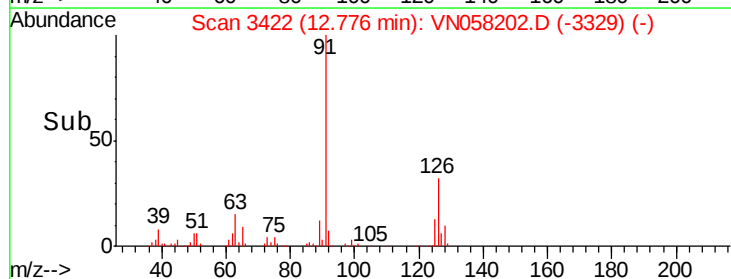
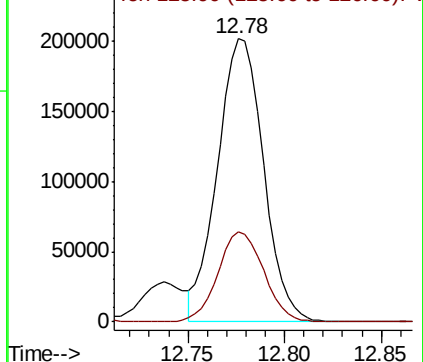
Tgt Ion: 91 Resp: 332164

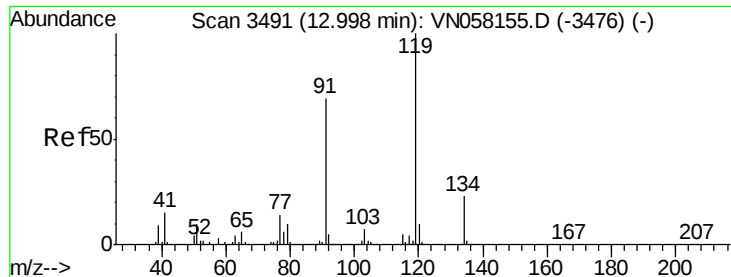
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.7	47.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO

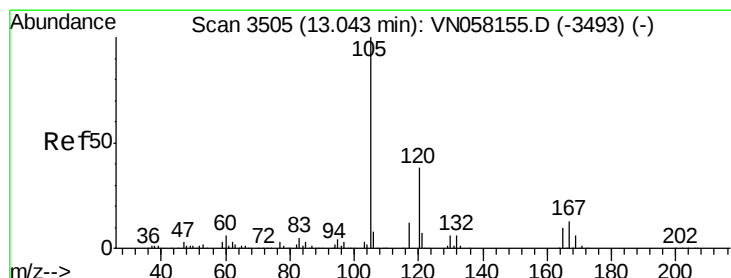
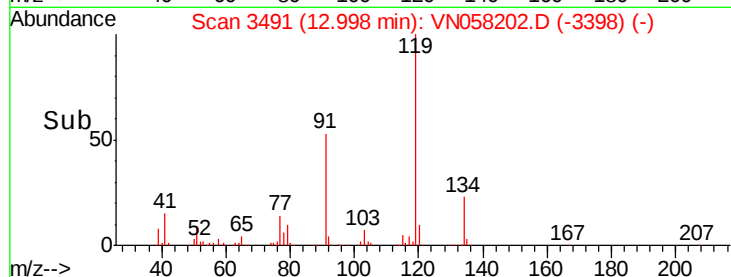
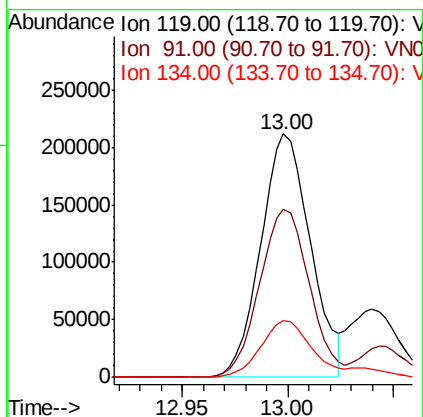
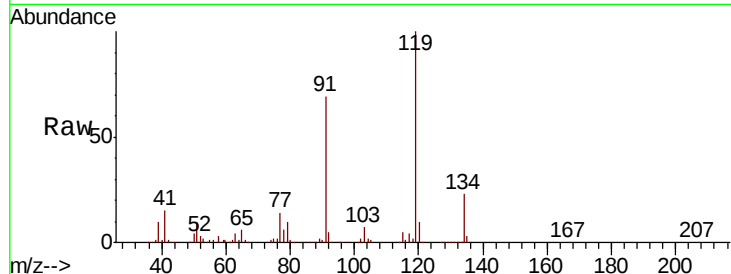




#83
tert-Butylbenzene
Concen: 20.519 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

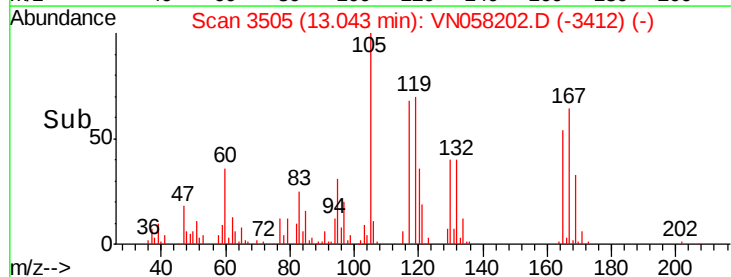
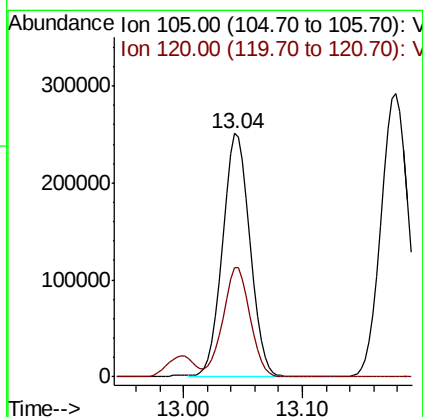
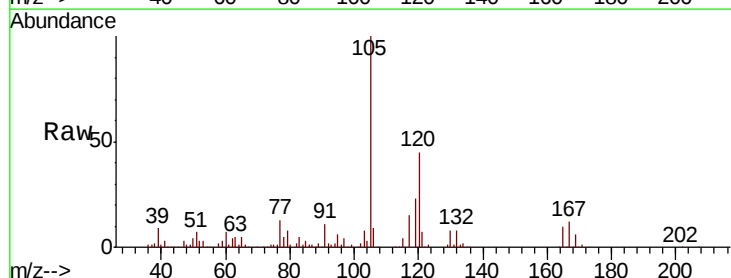
Instrument :
MSVOA_N
ClientSampled :

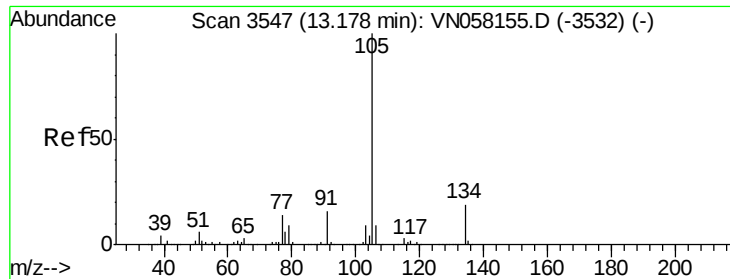
Tot Ion:119 Resp: 347434
Ion Ratio Lower Upper
119 100
91 69.2 33.8 101.3
134 23.6 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 21.155 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:105 Resp: 399744
Ion Ratio Lower Upper
105 100
120 44.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.194 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

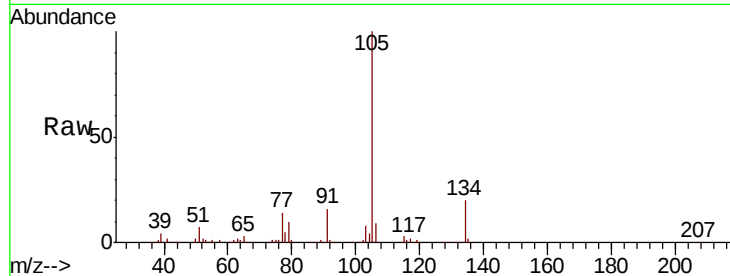
ClientSampleId :

Tot Ion:105 Resp: 469291

Ion Ratio Lower Upper

105 100

134 19.5 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

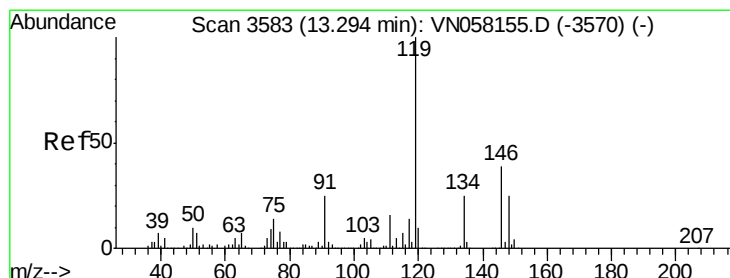
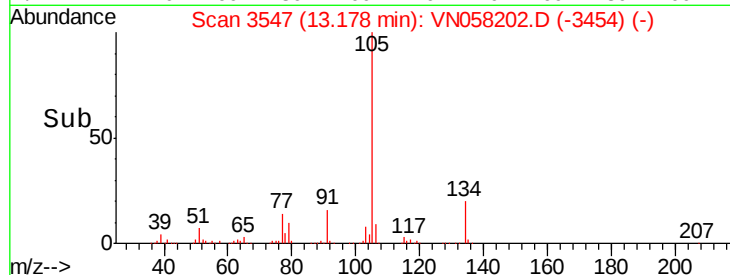
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.927 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

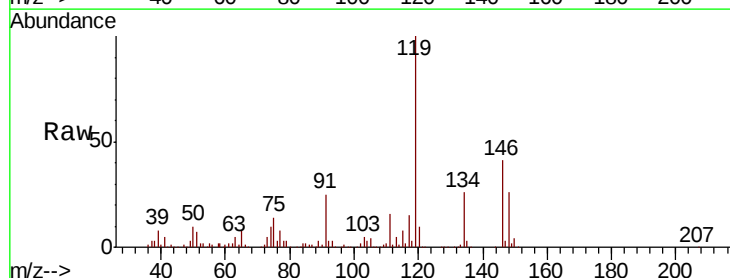
Tgt Ion:119 Resp: 411949

Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 25.1 12.3 36.8



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

13.29

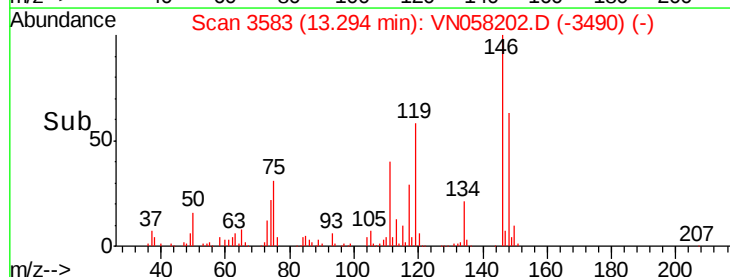
300000

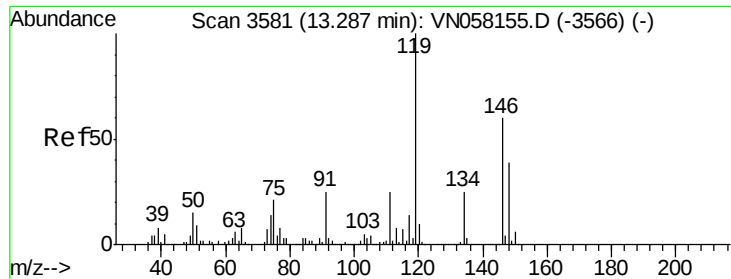
200000

100000

0

Time-->

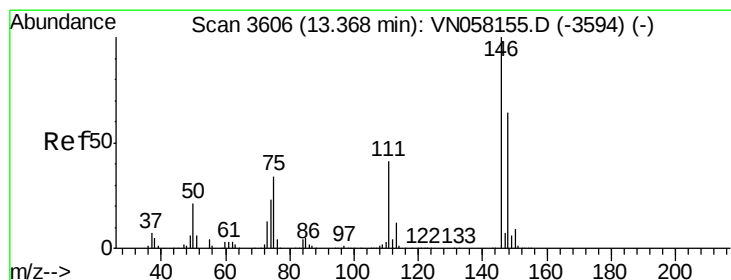
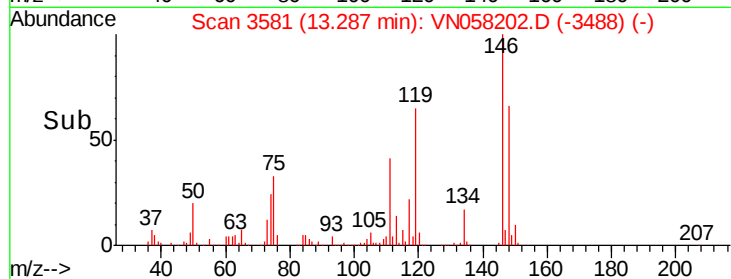
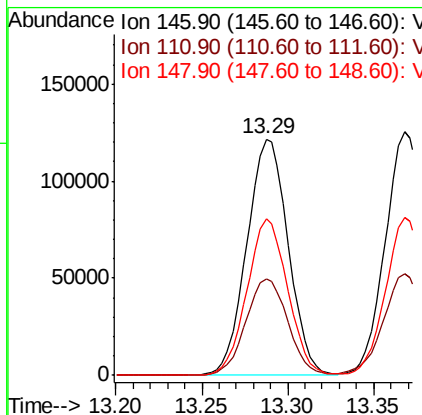
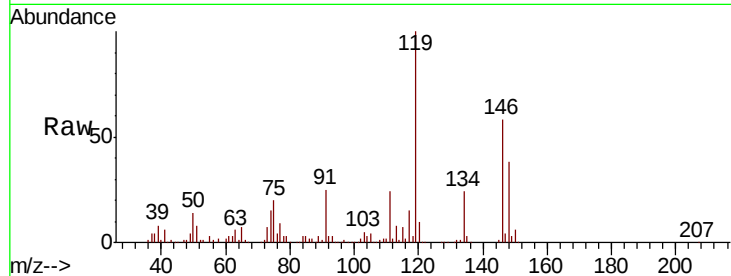




#87
 1,3-Dichlorobenzene
 Concen: 19.632 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

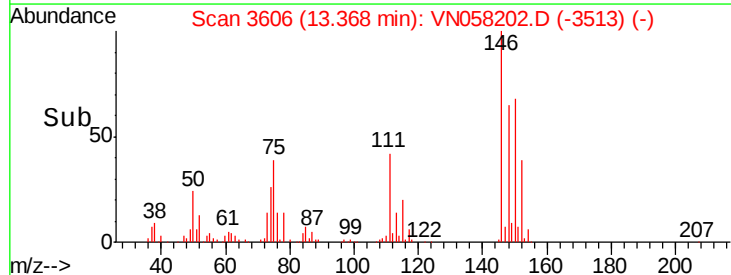
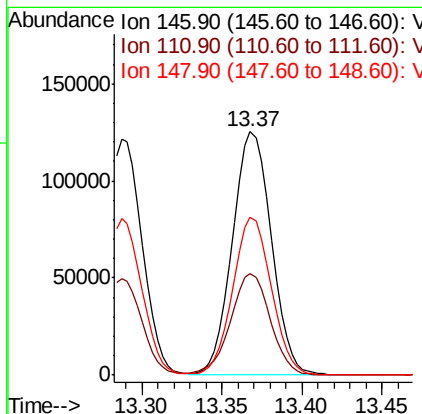
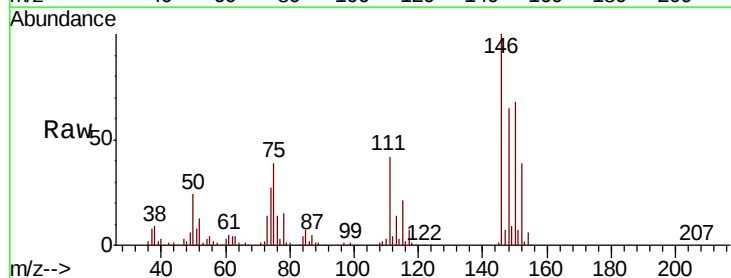
Instrument :
 MSVOA_N
 ClientSampleId :

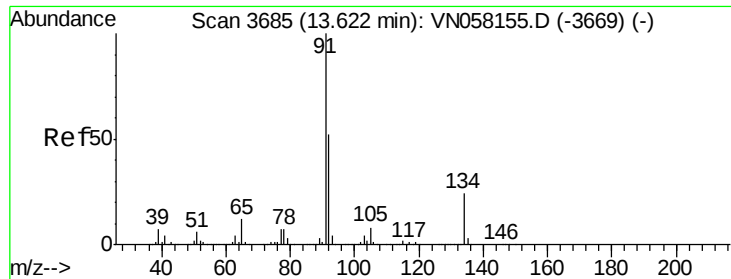
Tot Ion:146 Resp: 202532
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.9 62.8
 148 65.2 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.661 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion:146 Resp: 207066
 Ion Ratio Lower Upper
 146 100
 111 42.8 20.5 61.5
 148 64.1 31.9 95.5





#89

n-Butylbenzene

Concen: 19.628 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

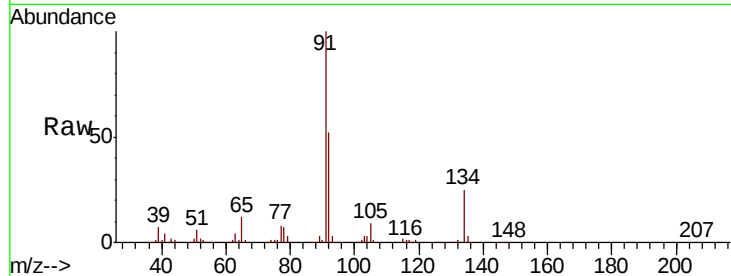
Tot Ion: 91 Resp: 366310

Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.7	77.0
134	24.7	11.8	35.4

91 100

92 51.2 25.7 77.0

134 24.7 11.8 35.4

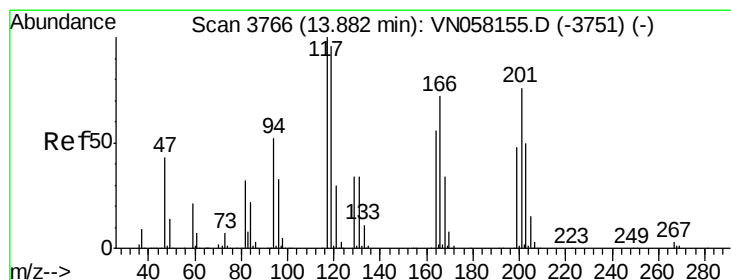
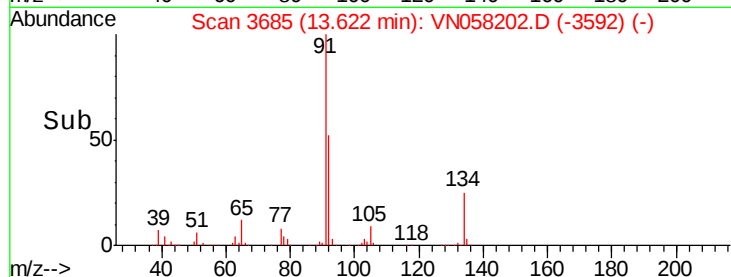
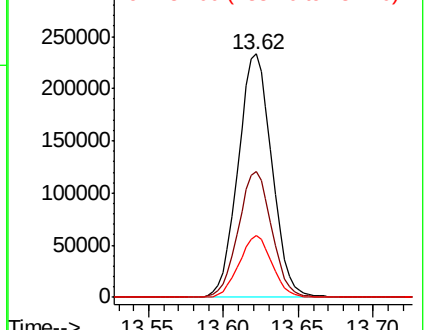


Abundance

Ion 91.00 (90.70 to 91.70): VN058155.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058155.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058155.D (-3669) (-)



#90

Hexachloroethane

Concen: 19.353 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058202.D

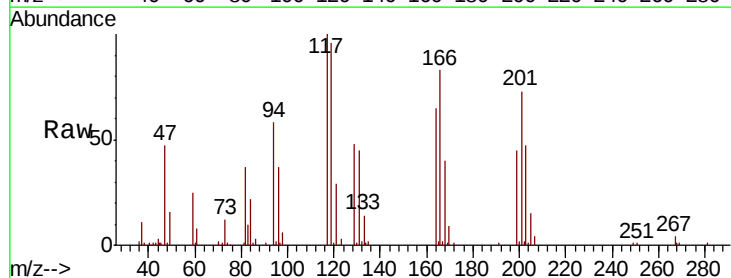
Acq: 19 Sep 2019 13:51

Tgt Ion: 117 Resp: 60474

Ion	Ratio	Lower	Upper
117	100		
201	77.1	37.5	112.5

117 100

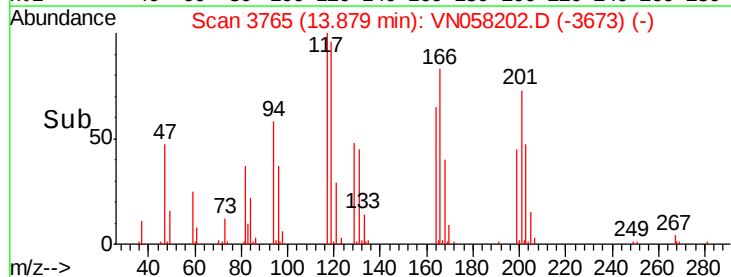
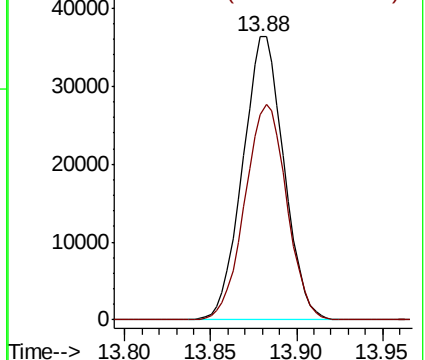
201 77.1 37.5 112.5

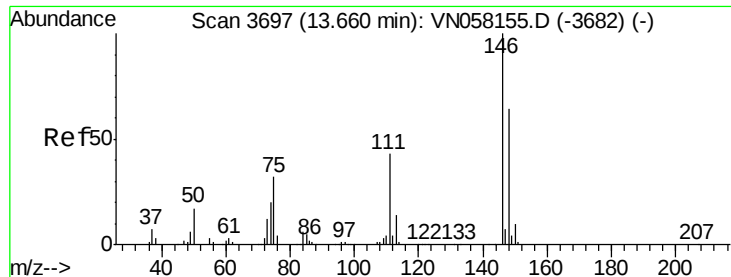


Abundance

Ion 116.80 (116.50 to 117.50): VN058155.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058155.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 20.610 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

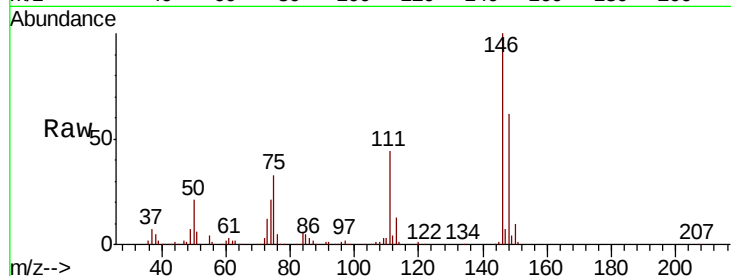
Tot Ion:146 Resp: 213275

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.1

148 61.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

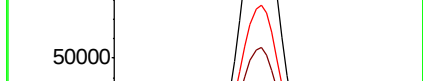
Ion 147.90 (147.60 to 148.60): V

13.66

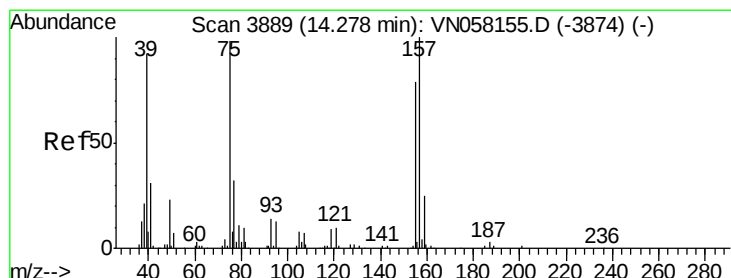
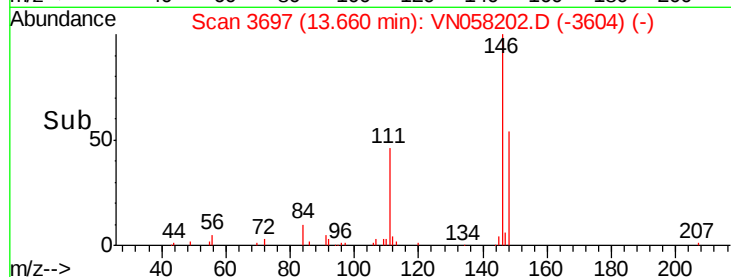
100000

50000

0



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.000 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

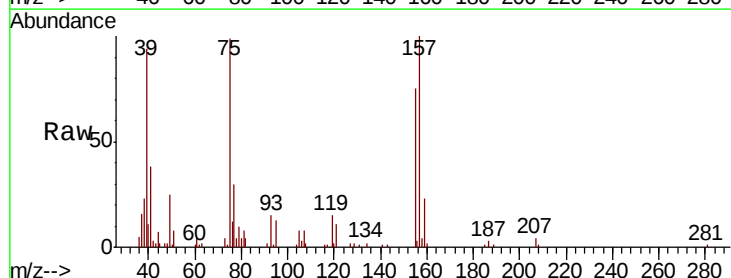
Tgt Ion: 75 Resp: 25720

Ion Ratio Lower Upper

75 100

155 72.7 38.3 114.8

157 99.1 48.0 144.0



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.28

20000

15000

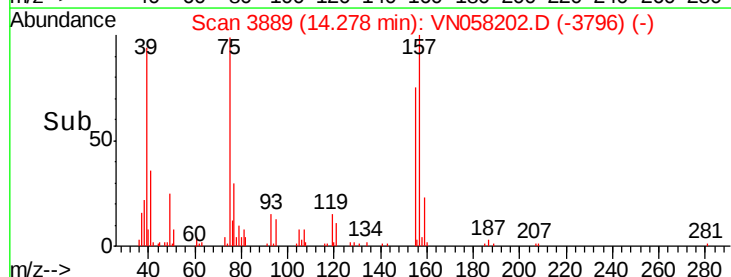
10000

5000

0



Time-->

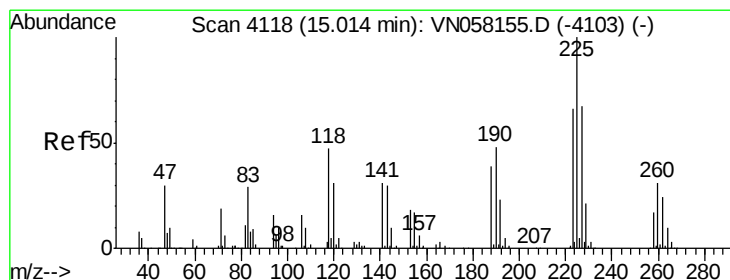
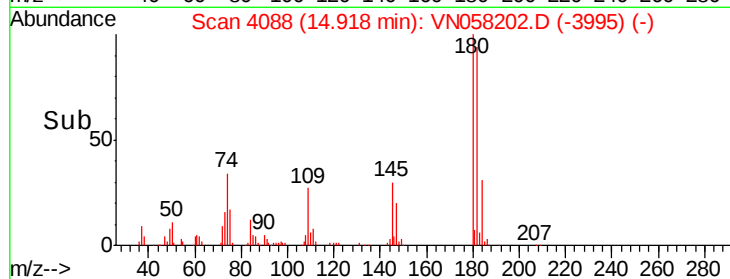
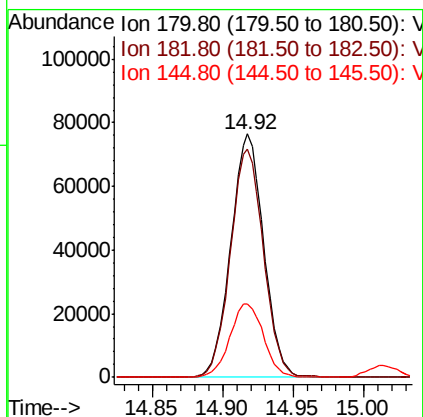
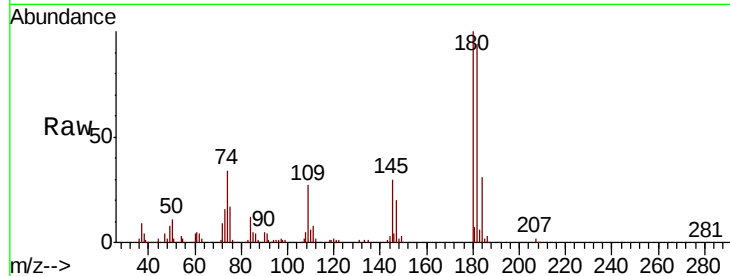




#93
 1,2,4-Trichlorobenzene
 Concen: 18.819 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

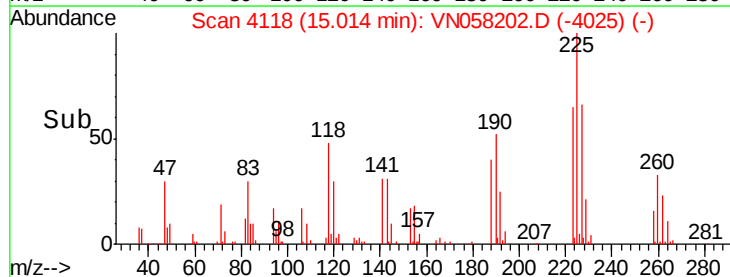
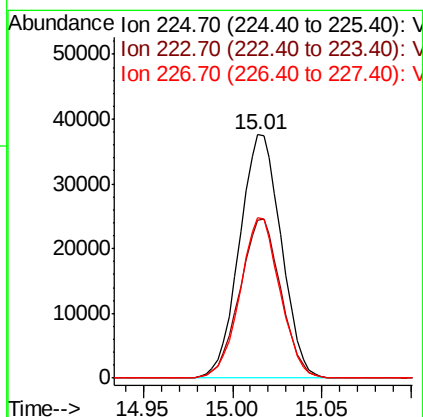
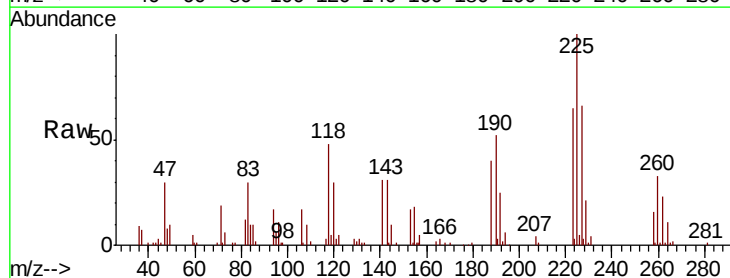
Instrument :
 MSVOA_N
 ClientSampled :

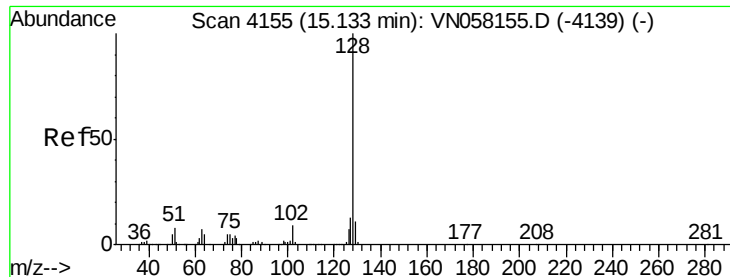
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	31.0	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 19.247 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	32.6	97.7
227	62.9	33.0	99.0

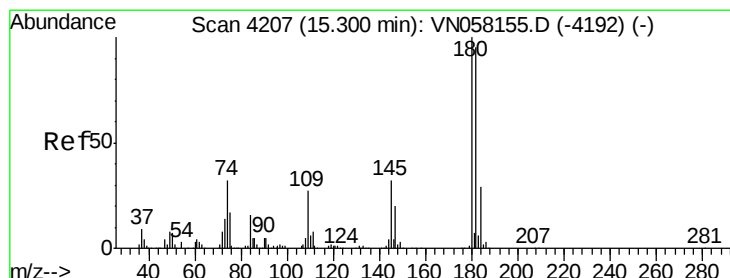
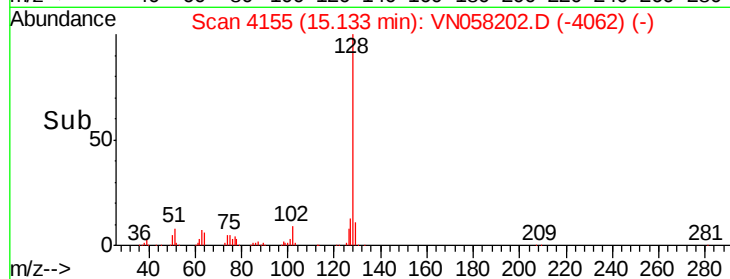
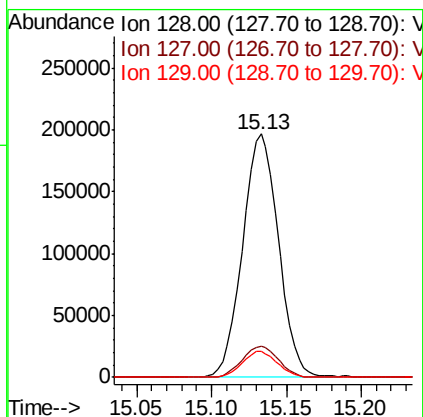
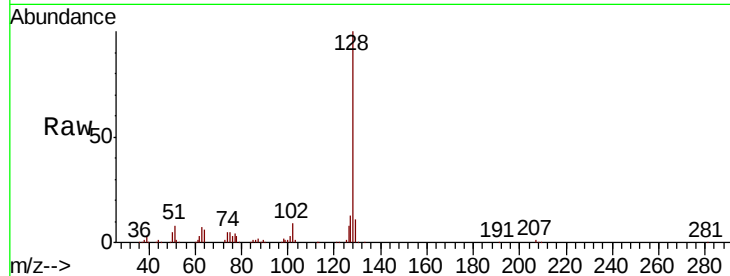




#95
Naphthalene
Concen: 19.185 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 328738
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 18.892 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:180 Resp: 118059
Ion Ratio Lower Upper
180 100
182 95.9 47.4 142.2
145 32.9 16.1 48.2

