

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058311.D
 Acq On : 23 Sep 2019 22:54
 Operator : JC/SP
 Sample : VN0920WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 24 01:38:35 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	413090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	729190	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	658045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	308345	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	313117	54.42	ug/l	0.00
Spiked Amount			Recovery	=	108.84%	
35) Dibromofluoromethane	7.58	113	226342	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.09	98	866430	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.41	95	308106	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	62545	18.431	ug/l	99
3) Chloromethane	2.04	50	55990	20.802	ug/l	100
4) Vinyl Chloride	2.17	62	58810	20.017	ug/l	99
5) Bromomethane	2.55	94	32370	21.792	ug/l	96
6) Chloroethane	2.69	64	41586	21.706	ug/l	96
7) Trichlorofluoromethane	3.00	101	91554	19.766	ug/l	97
8) Diethyl Ether	3.39	74	44215	20.833	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	67063	20.082	ug/l	99
10) Methyl Iodide	3.93	142	55646	19.885	ug/l	99
11) Tert butyl alcohol	4.76	59	82966	121.225	ug/l	99
12) 1,1-Dichloroethene	3.72	96	53508	20.906	ug/l	99
13) Acrolein	3.59	56	16026	158.008	ug/l	96
14) Allyl chloride	4.30	41	106359	19.463	ug/l	99
15) Acrylonitrile	4.97	53	218665	119.920	ug/l	100
16) Acetone	3.80	43	192774	98.708	ug/l	100
17) Carbon Disulfide	4.03	76	63030	17.844	ug/l	99
18) Methyl Acetate	4.30	43	122095	23.759	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	279192	22.166	ug/l	97
20) Methylene Chloride	4.53	84	78663	22.886	ug/l	96
21) trans-1,2-Dichloroethene	5.02	96	56328	20.156	ug/l	97
22) Diisopropyl ether	5.93	45	301759	21.739	ug/l	95
23) Vinyl Acetate	5.87	43	1067095	112.346	ug/l	99
24) 1,1-Dichloroethane	5.82	63	156662	21.146	ug/l	100
25) 2-Butanone	6.82	43	300611	112.982	ug/l	97
26) 2,2-Dichloropropane	6.80	77	104019	16.550	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	87673	20.929	ug/l	96
28) Bromochloromethane	7.18	49	80512	22.972	ug/l	97
29) Tetrahydrofuran	7.19	42	189920	115.881	ug/l	100
30) Chloroform	7.36	83	169093	21.204	ug/l	100
31) Cyclohexane	7.64	56	100093	19.424	ug/l #	94
32) 1,1,1-Trichloroethane	7.55	97	131136	21.600	ug/l	98
36) 1,1-Dichloropropene	7.78	75	94763	18.021	ug/l	99
37) Ethyl Acetate	6.91	43	119680	21.931	ug/l	99
38) Carbon Tetrachloride	7.76	117	100798	19.069	ug/l	98

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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	88827	17.517	ug/l	96
40) Benzene	8.03	78	315672	19.654	ug/l	100
41) Methacrylonitrile	7.19	41	185318	67.091	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	139235	20.660	ug/l	99
43) Isopropyl Acetate	8.15	43	210252	20.629	ug/l #	91
44) Trichloroethene	8.83	130	75487	19.206	ug/l	97
45) 1,2-Dichloropropane	9.11	63	102555	21.381	ug/l	98
46) Dibromomethane	9.20	93	59383	20.363	ug/l	99
47) Bromodichloromethane	9.40	83	124460	20.372	ug/l	96
48) Methyl methacrylate	9.19	41	97478	21.065	ug/l	98
49) 1,4-Dioxane	9.19	88	35278	464.331	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	667275	123.261	ug/l	98
52) Toluene	10.15	92	194080	19.281	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	121835	19.468	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	135723	19.643	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	96481	21.599	ug/l	97
56) Ethyl methacrylate	10.43	69	137053	21.265	ug/l	98
57) 1,3-Dichloropropane	10.71	76	162430	21.152	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	341768	111.326	ug/l	100
59) 2-Hexanone	10.75	43	469586	116.796	ug/l	99
60) Dibromochloromethane	10.90	129	88130	20.507	ug/l	99
61) 1,2-Dibromoethane	11.00	107	85488	20.651	ug/l	99
64) Tetrachloroethene	10.63	164	60430	18.838	ug/l	97
65) Chlorobenzene	11.44	112	229459	19.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88199	21.015	ug/l	100
67) Ethyl Benzene	11.51	91	394407	19.887	ug/l	98
68) m/p-Xylenes	11.62	106	284874	38.137	ug/l	95
69) o-Xylene	11.95	106	146318	19.921	ug/l	98
70) Styrene	11.97	104	250918	19.828	ug/l	97
71) Bromoform	12.13	173	54317	19.796	ug/l #	100
73) Isopropylbenzene	12.26	105	410461	21.267	ug/l	99
74) N-amyl acetate	12.08	43	184112	22.803	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	149120	23.072	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	172390	31.239	ug/l #	100
77) Bromobenzene	12.53	156	99211	20.435	ug/l	97
78) n-propylbenzene	12.60	91	477270	21.761	ug/l	99
79) 2-Chlorotoluene	12.68	91	288255	21.030	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	348124	21.330	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	30621	20.386	ug/l	92
82) 4-Chlorotoluene	12.78	91	298144	20.693	ug/l	100
83) tert-Butylbenzene	13.00	119	311775	21.421	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	353131	21.742	ug/l	100
85) sec-Butylbenzene	13.18	105	412349	21.665	ug/l	98
86) p-Isopropyltoluene	13.30	119	357904	21.152	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	183720	20.719	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	183905	20.315	ug/l	97
89) n-Butylbenzene	13.62	91	313831	19.563	ug/l	100
90) Hexachloroethane	13.88	117	56744	20.868	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	188759	21.221	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25455	21.876	ug/l	96

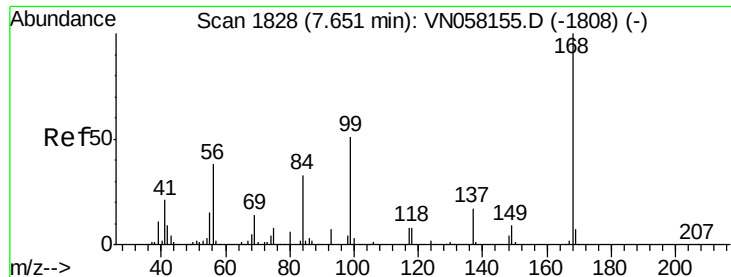
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	104391	18.368	ug/l	99
94) Hexachlorobutadiene	15.02	225	50854	18.513	ug/l	96
95) Naphthalene	15.14	128	296772	20.150	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	101052	18.812	ug/l	100

(#) = 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: VN058311.D

Acq: 23 Sep 2019 22:54

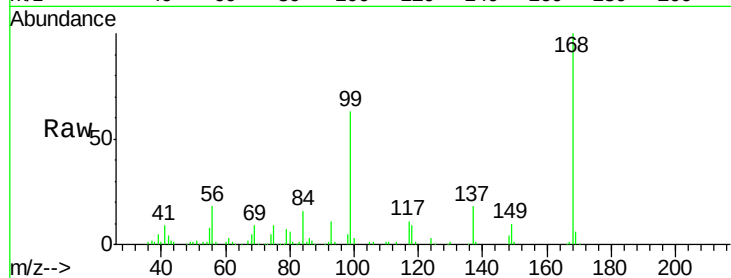
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 413090

Ion Ratio Lower Upper

168 100

99 62.4 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

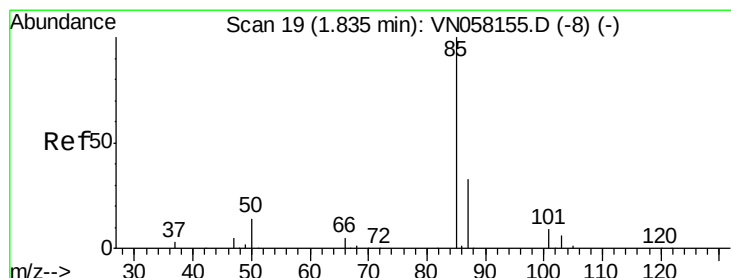
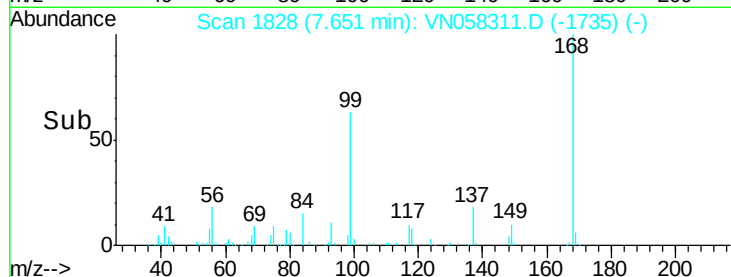
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.431 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058311.D

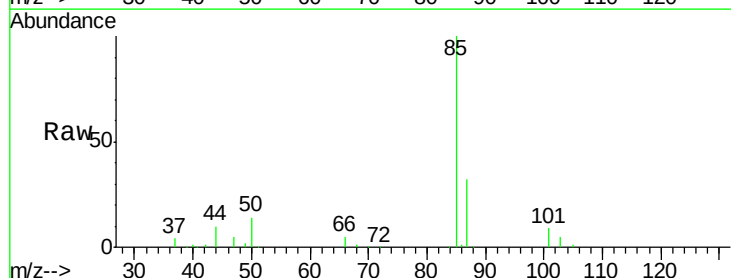
Acq: 23 Sep 2019 22:54

Tgt Ion: 85 Resp: 62545

Ion Ratio Lower Upper

85 100

87 31.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

50000

40000

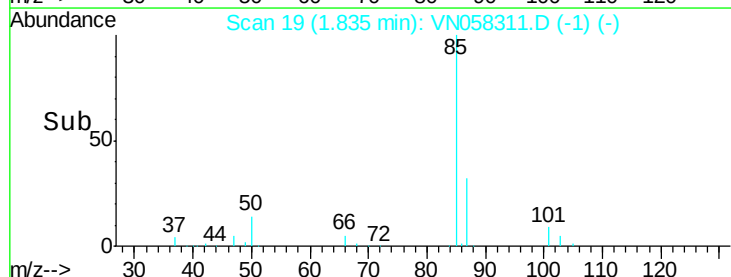
30000

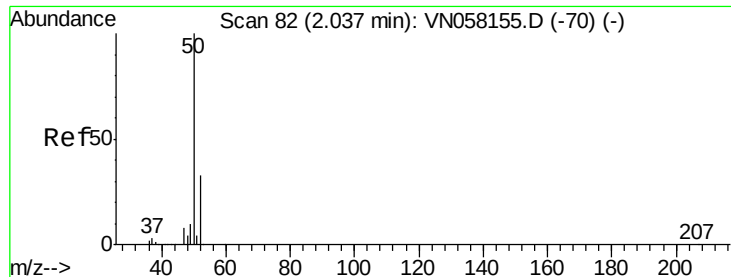
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.802 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

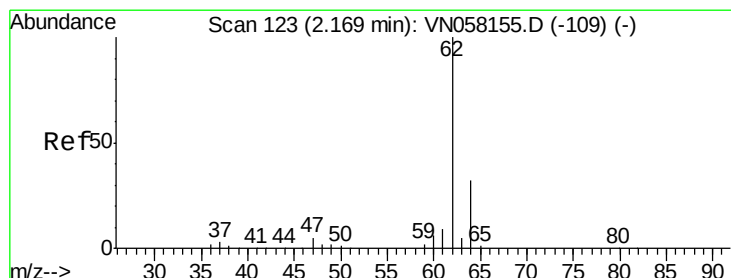
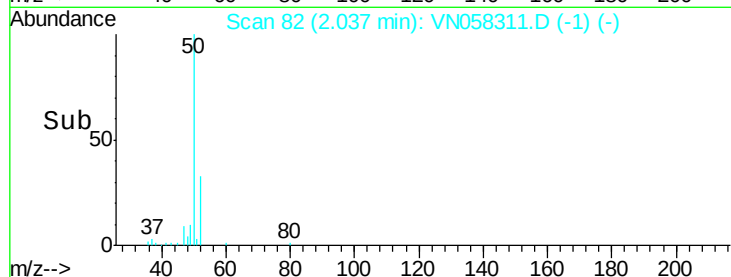
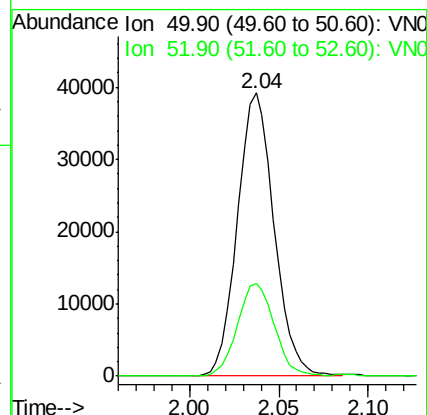
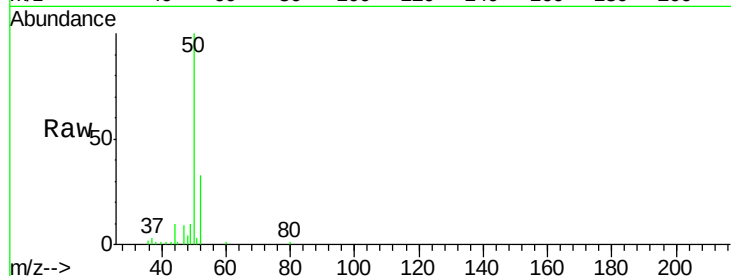
ClientSampleId :

Tot Ion: 50 Resp: 55990

Ion Ratio Lower Upper

50 100

52 32.9 26.3 39.5



#4

Vinyl Chloride

Concen: 20.017 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058311.D

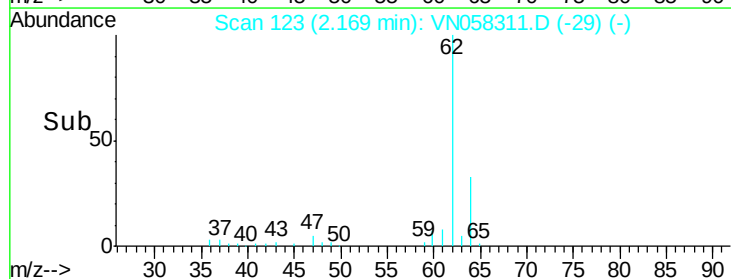
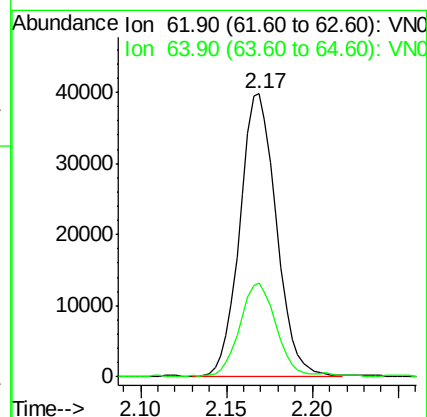
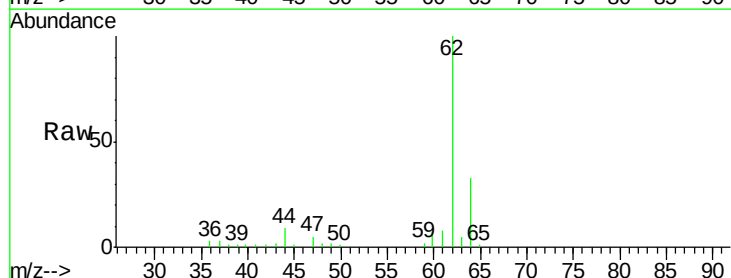
Acq: 23 Sep 2019 22:54

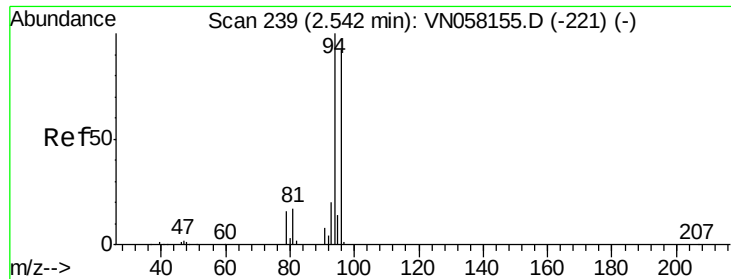
Tgt Ion: 62 Resp: 58810

Ion Ratio Lower Upper

62 100

64 32.6 25.4 38.2





#5

Bromomethane

Concen: 21.792 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

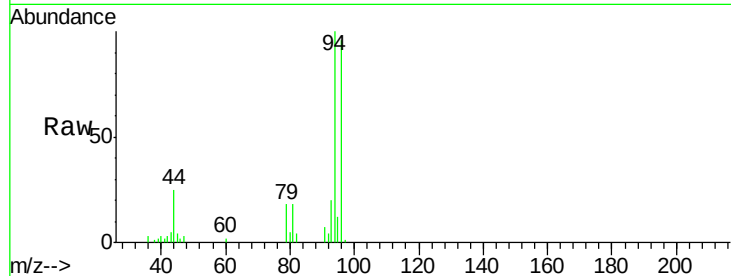
ClientSampleId :

Tot Ion: 94 Resp: 32370

Ion Ratio Lower Upper

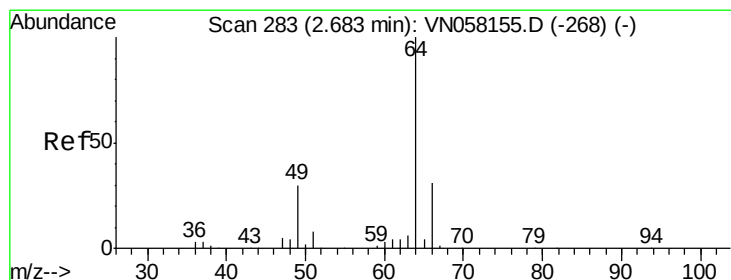
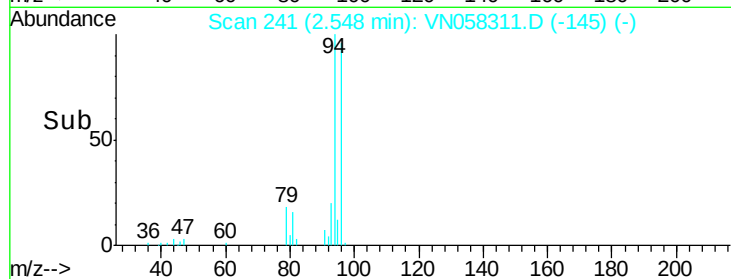
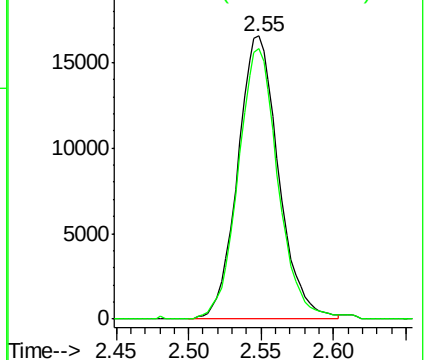
94 100

96 95.6 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.706 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058311.D

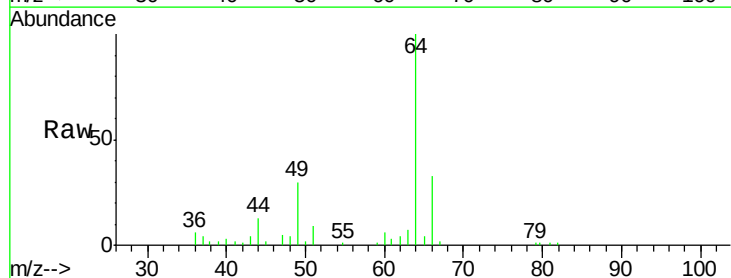
Acq: 23 Sep 2019 22:54

Tgt Ion: 64 Resp: 41586

Ion Ratio Lower Upper

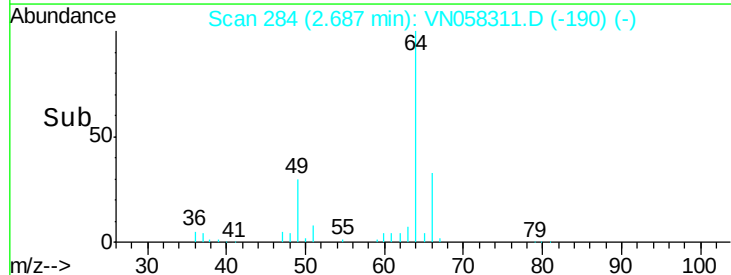
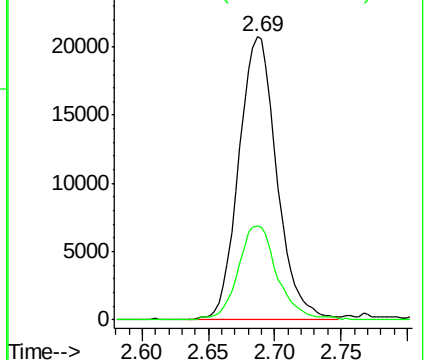
64 100

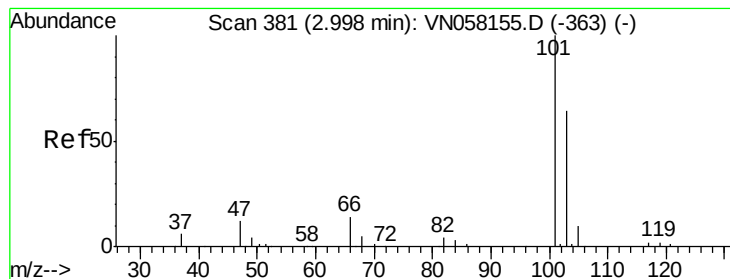
66 33.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



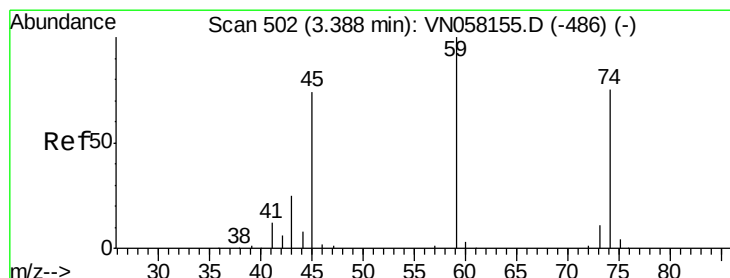
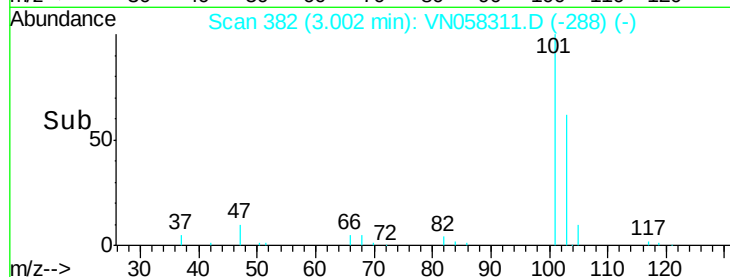
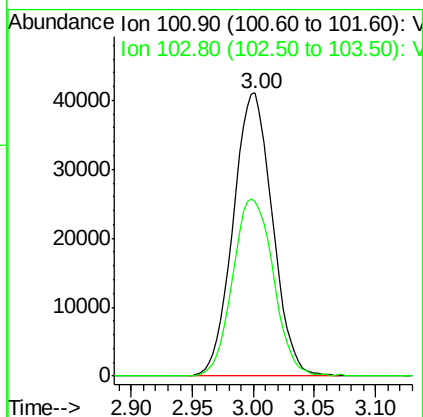
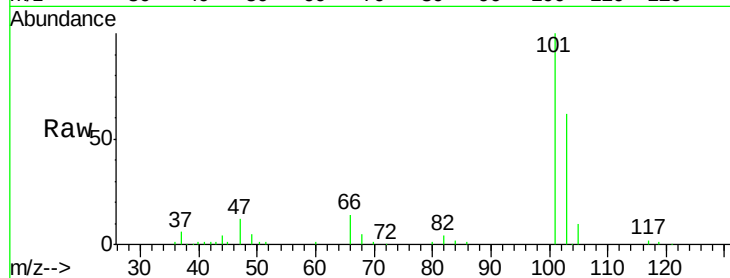


#7

Trichlorofluoromethane
Concen: 19.766 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :

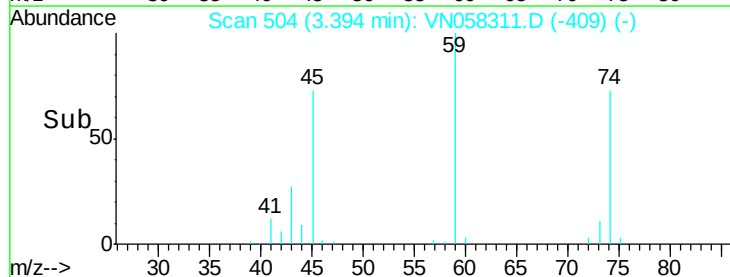
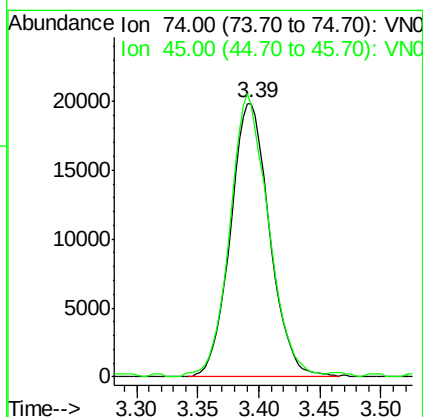
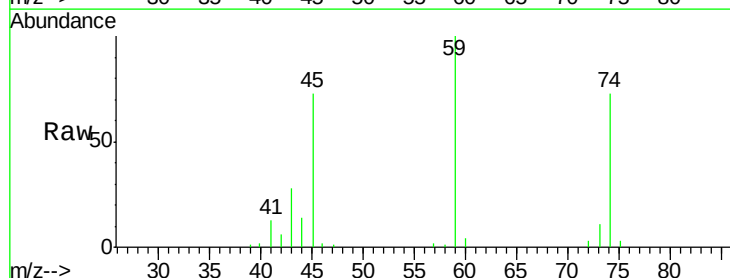
Tot Ion:101 Resp: 91554
Ion Ratio Lower Upper
101 100
103 61.5 51.0 76.6

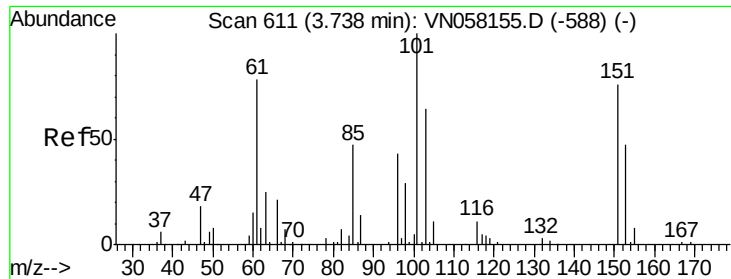


#8

Diethyl Ether
Concen: 20.833 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 74 Resp: 44215
Ion Ratio Lower Upper
74 100
45 102.4 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.082 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

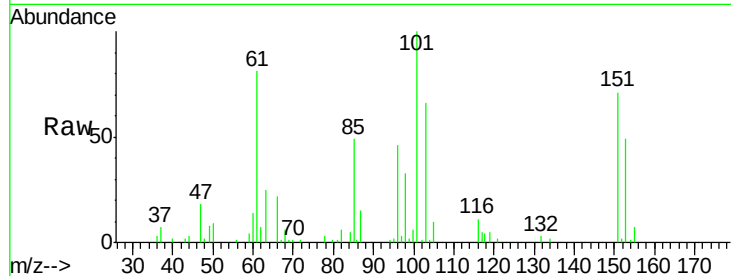
Tot Ion:101 Resp: 67063

Ion Ratio Lower Upper

101 100

85 47.2 37.3 55.9

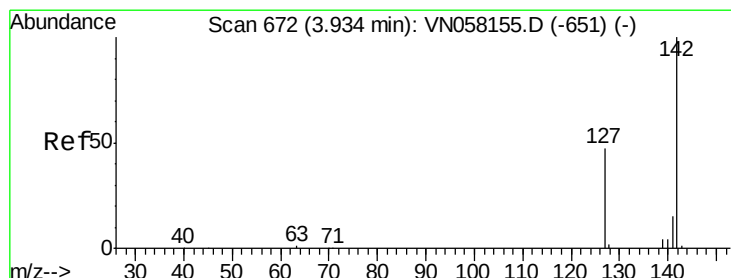
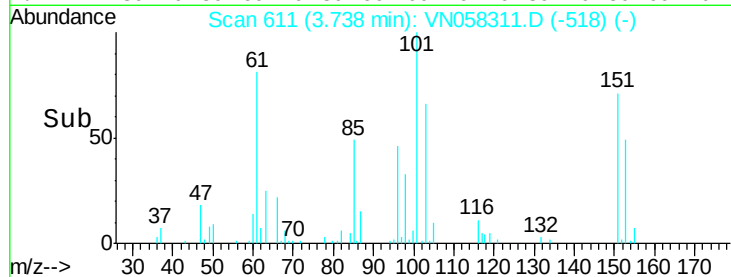
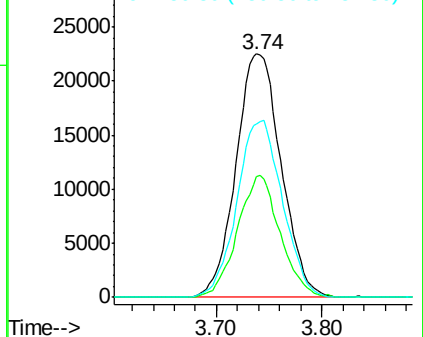
151 73.1 59.6 89.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.885 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

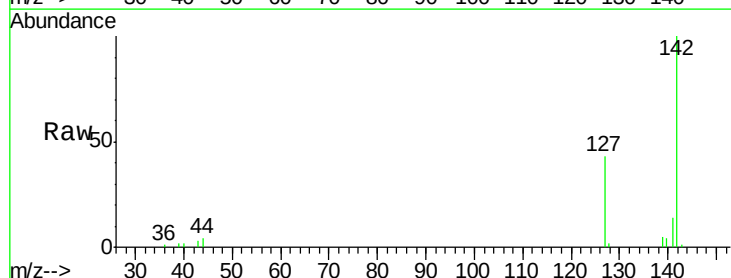
Tgt Ion:142 Resp: 55646

Ion Ratio Lower Upper

142 100

127 46.0 37.5 56.3

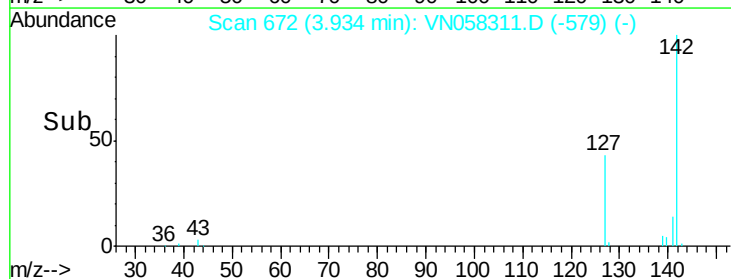
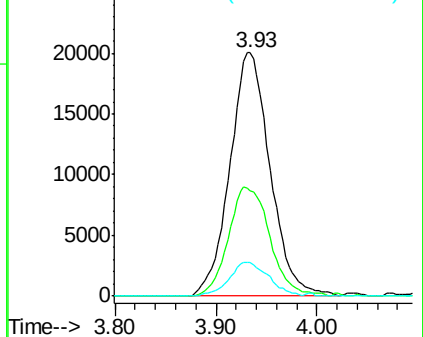
141 13.7 11.4 17.2

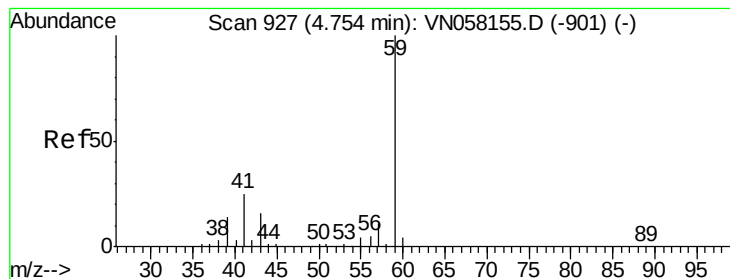


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



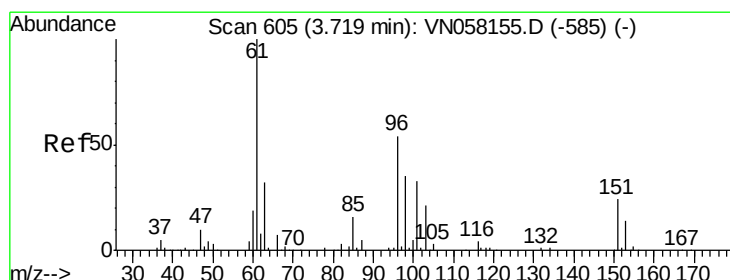
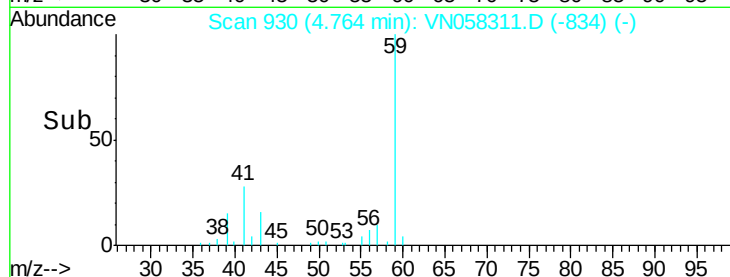
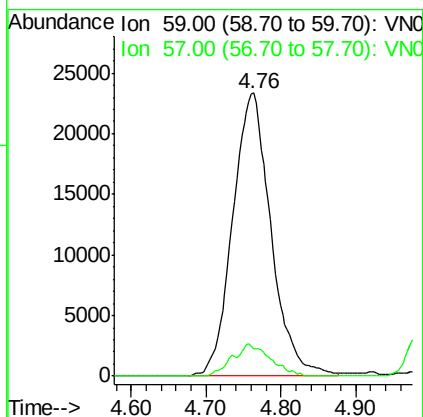
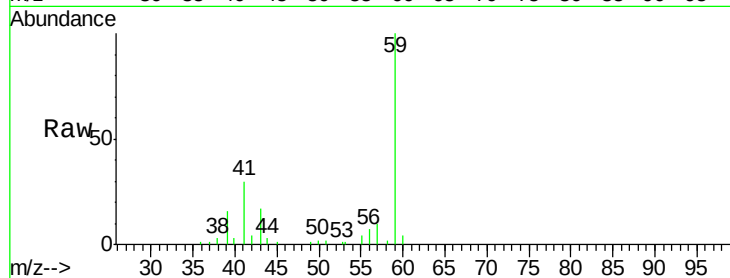


#11

Tert butyl alcohol
 Concen: 121.225 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampled :

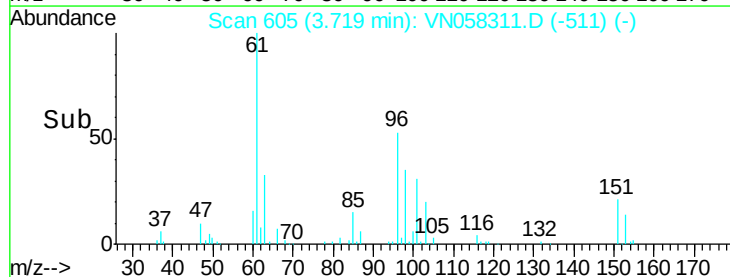
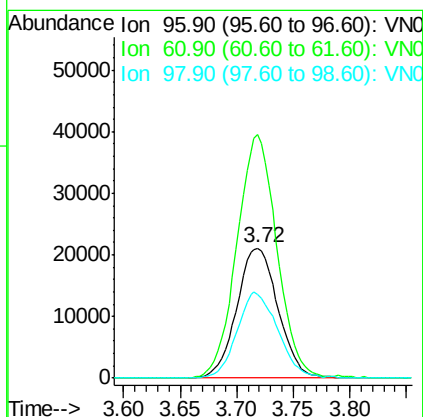
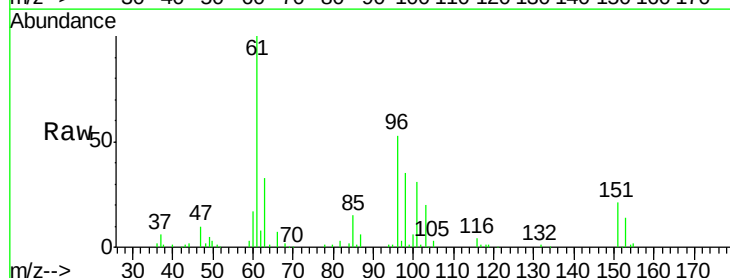
Tot Ion: 59 Resp: 82966
 Ion Ratio Lower Upper
 59 100
 57 11.2 8.6 13.0

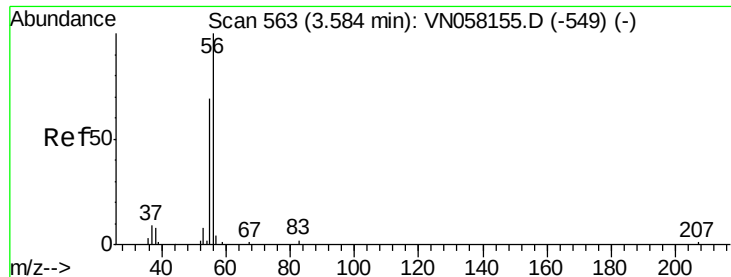


#12

1,1-Dichloroethene
 Concen: 20.906 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 96 Resp: 53508
 Ion Ratio Lower Upper
 96 100
 61 187.7 149.5 224.3
 98 64.9 52.4 78.6





#13

Acrolein

Concen: 158.008 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

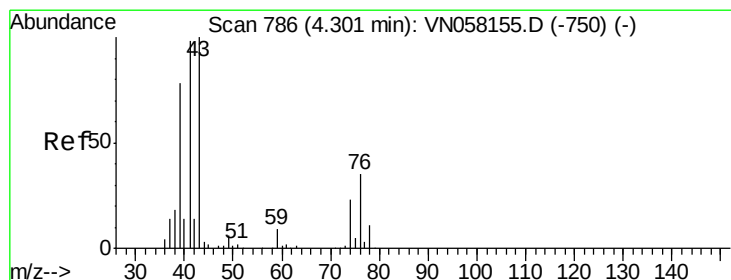
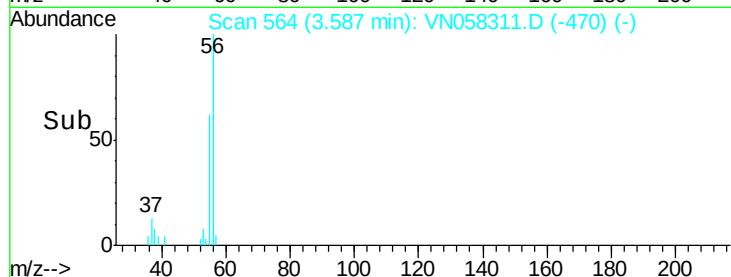
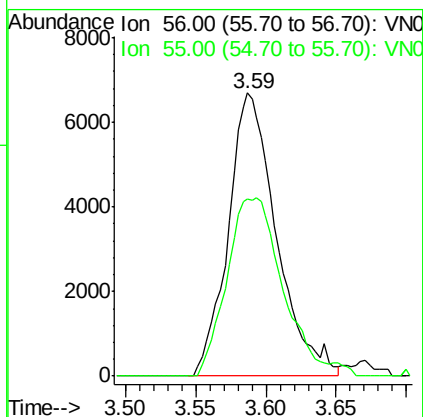
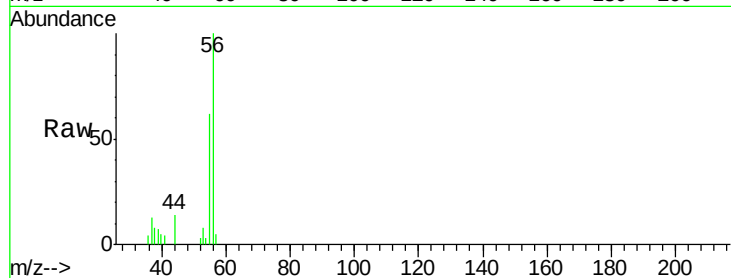
ClientSampleId :

Tot Ion: 56 Resp: 16026

Ion Ratio Lower Upper

56 100

55 73.4 56.1 84.1



#14

Allyl chloride

Concen: 19.463 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

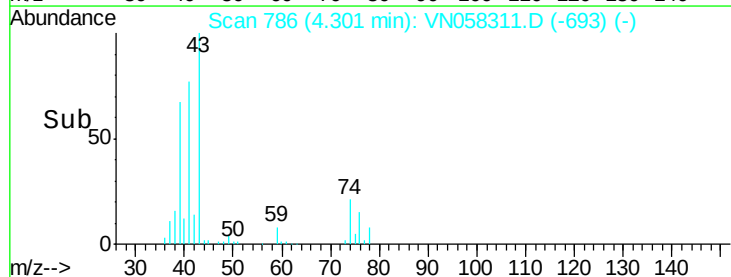
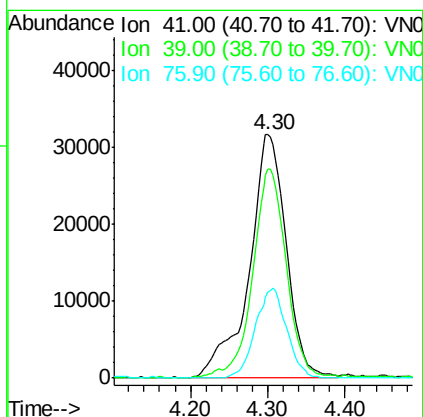
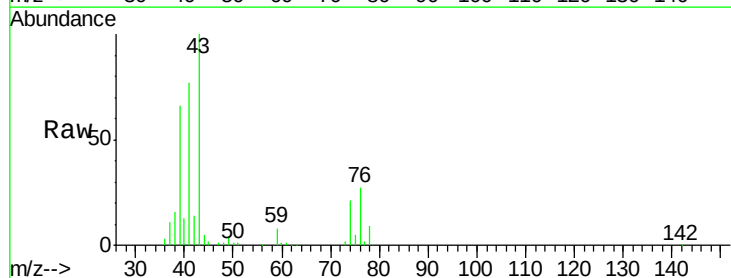
Tgt Ion: 41 Resp: 106359

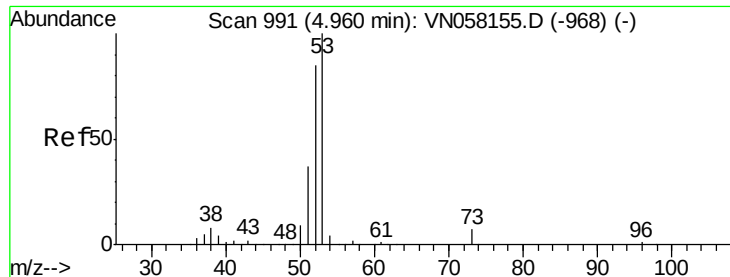
Ion Ratio Lower Upper

41 100

39 74.7 59.1 88.7

76 30.9 25.1 37.7





#15

Acrylonitrile

Concen: 119.920 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

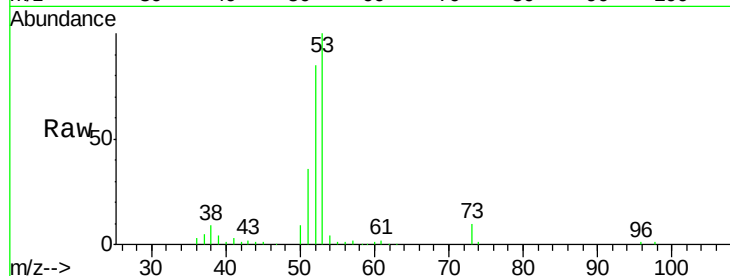
Tot Ion: 53 Resp: 218665

Ion Ratio Lower Upper

53 100

52 83.1 66.6 100.0

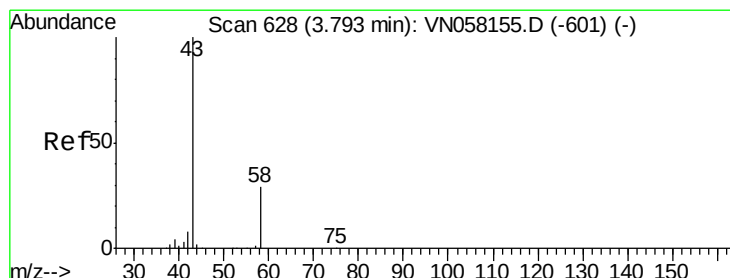
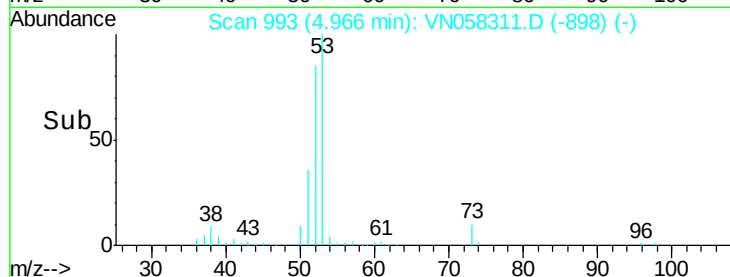
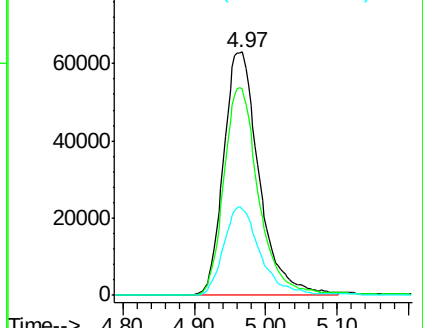
51 37.2 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 98.708 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058311.D

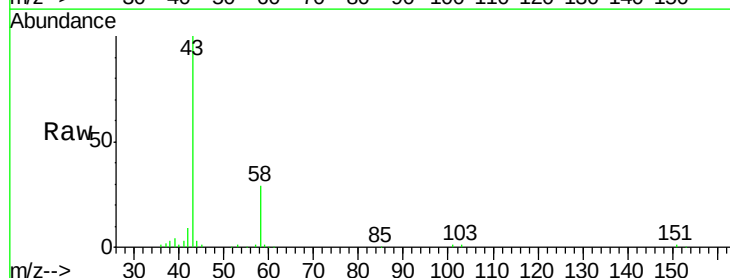
Acq: 23 Sep 2019 22:54

Tgt Ion: 43 Resp: 192774

Ion Ratio Lower Upper

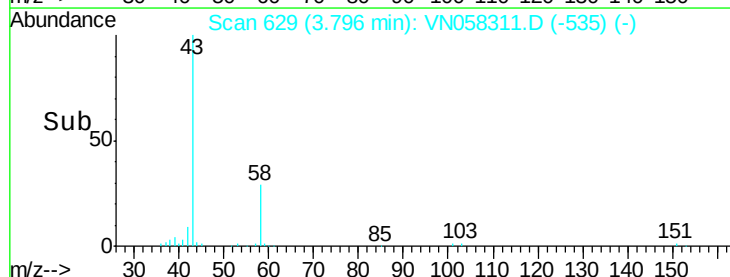
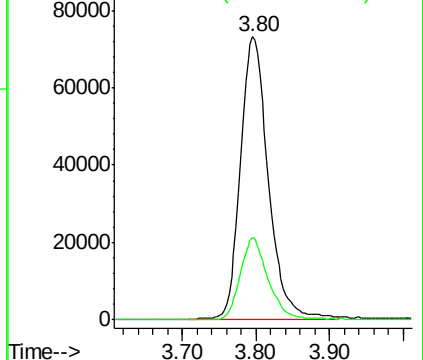
43 100

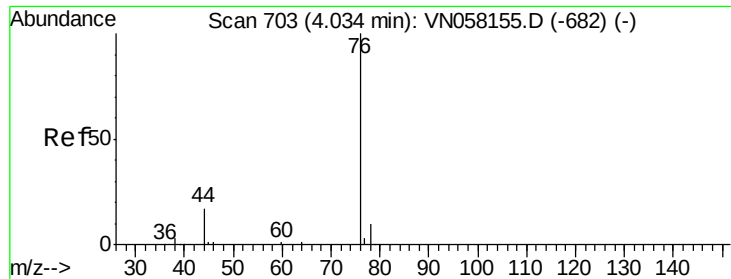
58 29.3 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

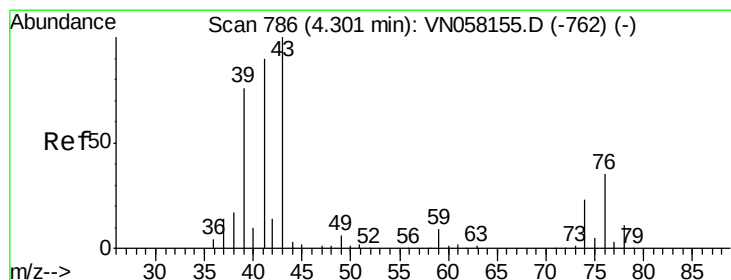
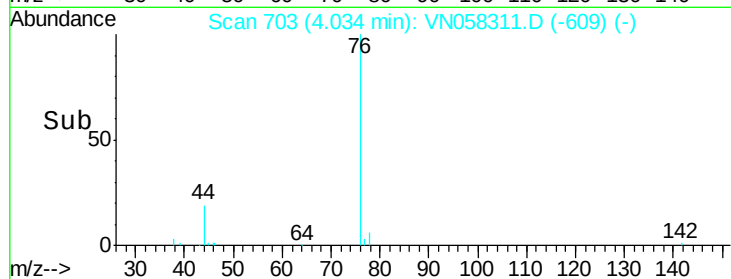
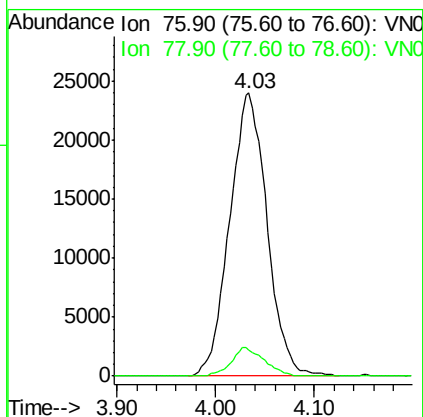
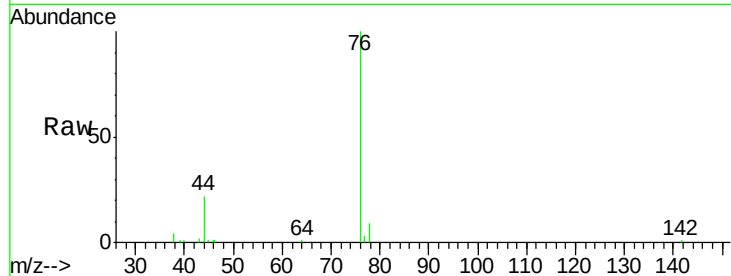




#17
Carbon Disulfide
Concen: 17.844 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

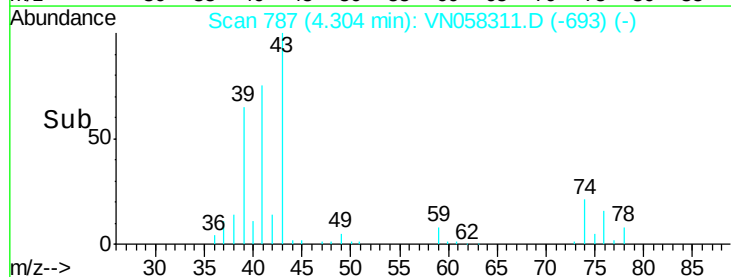
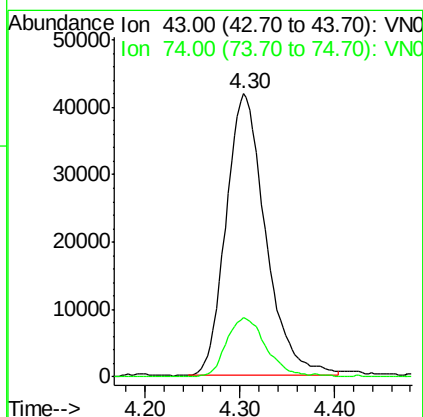
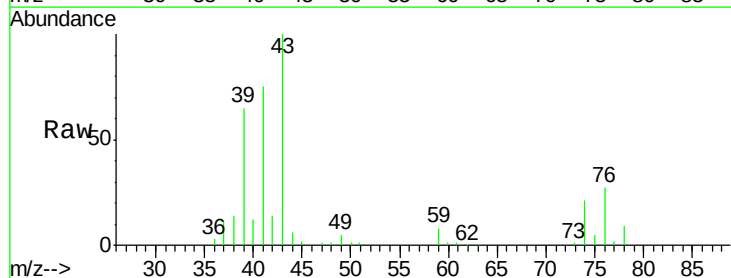
Instrument :
MSVOA_N
ClientSampled :

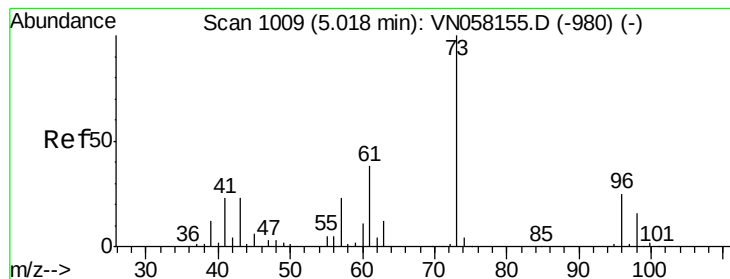
Tot Ion: 76 Resp: 63030
Ion Ratio Lower Upper
76 100
78 9.4 7.7 11.5



#18
Methyl Acetate
Concen: 23.759 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 43 Resp: 122095
Ion Ratio Lower Upper
43 100
74 20.8 18.0 27.0



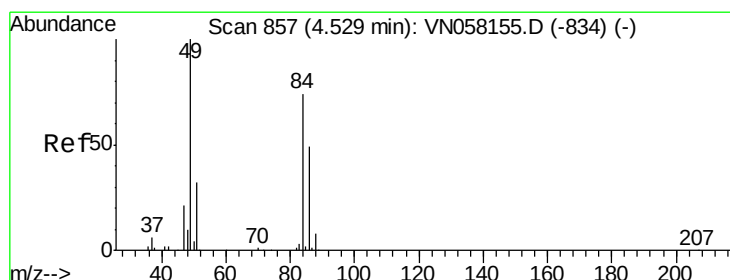
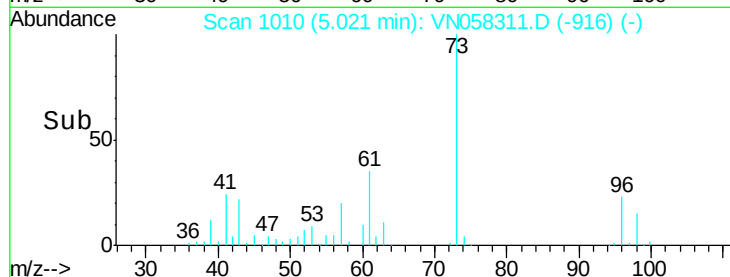
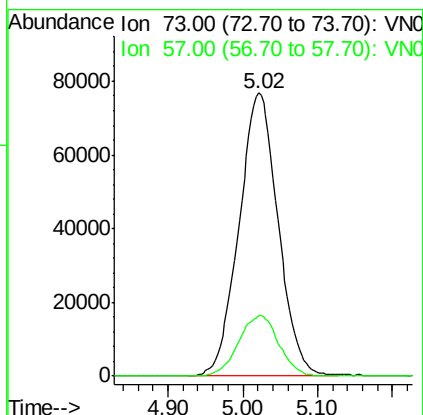
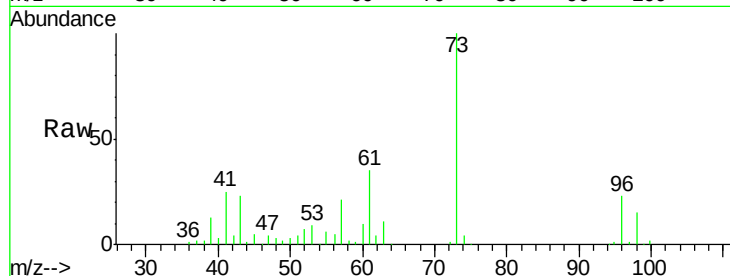


#19

Methvl tert-butyl Ether
 Concen: 22.166 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampled :

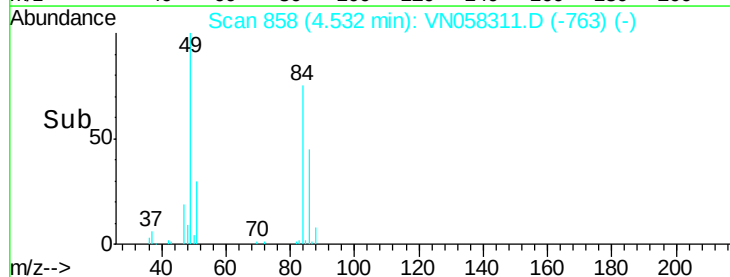
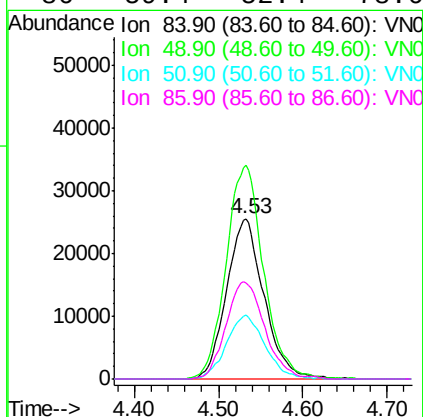
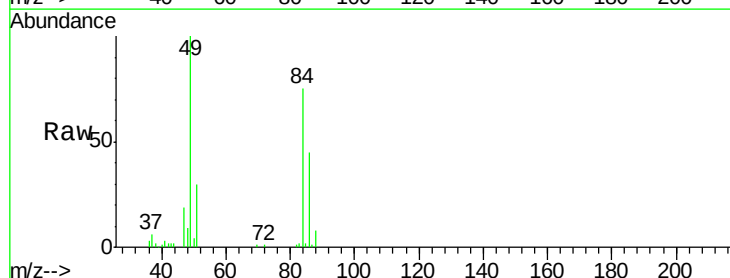
Tot Ion: 73 Resp: 279192
 Ion Ratio Lower Upper
 73 100
 57 21.2 18.1 27.1

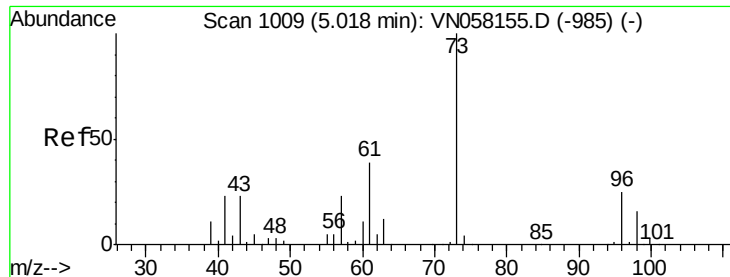


#20

Methylene Chloride
 Concen: 22.886 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 84 Resp: 78663
 Ion Ratio Lower Upper
 84 100
 49 132.4 107.5 161.3
 51 39.8 33.9 50.9
 86 59.4 52.4 78.6



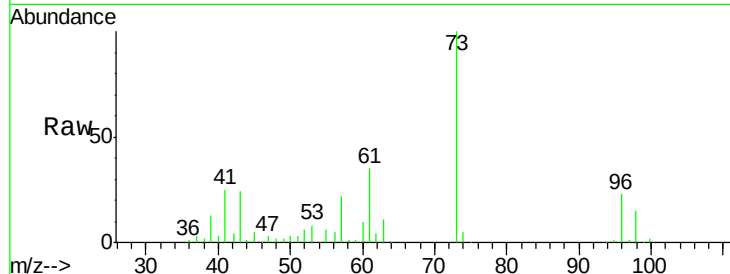


#21

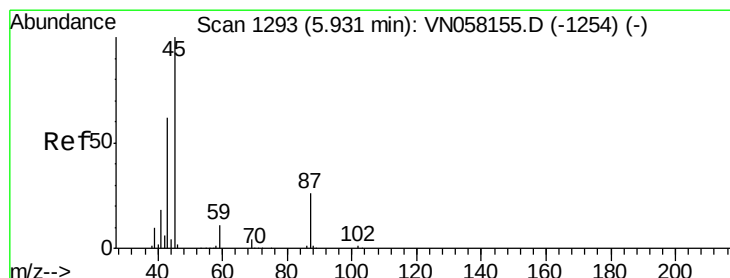
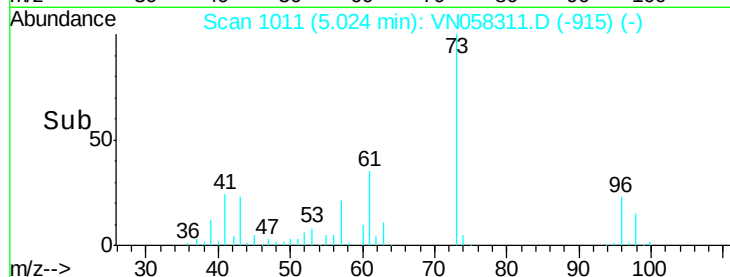
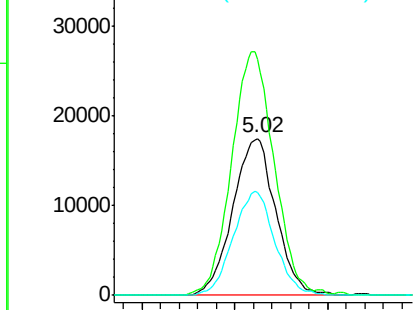
trans-1,2-Dichloroethene
Concen: 20.156 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 56328
Ion Ratio Lower Upper
96 100
61 149.8 122.2 183.4
98 65.7 49.9 74.9



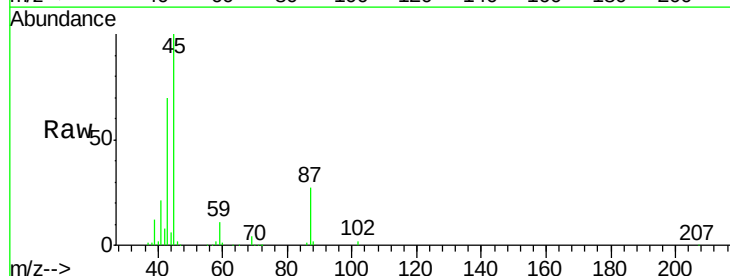
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



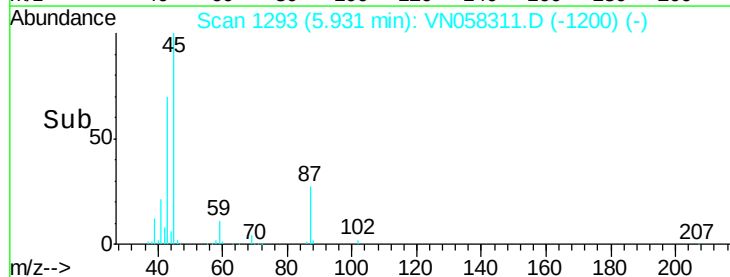
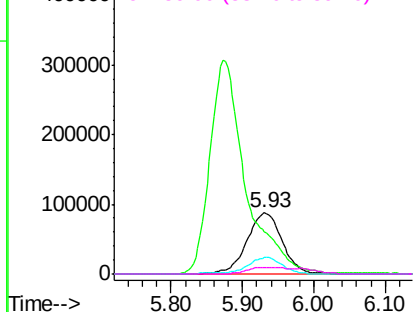
#22

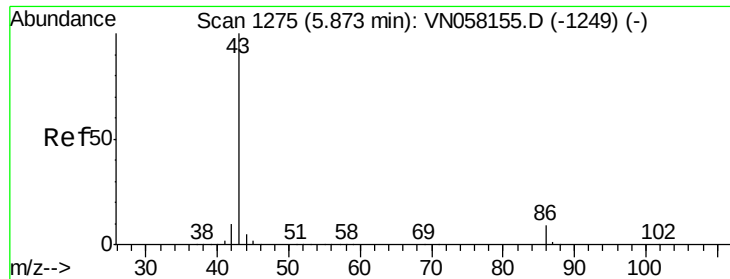
Diisopropyl ether
Concen: 21.739 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 45 Resp: 301759
Ion Ratio Lower Upper
45 100
43 67.8 49.7 74.5
87 26.8 20.7 31.1
59 11.0 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

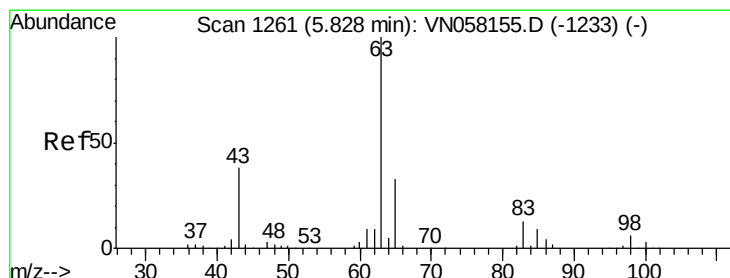
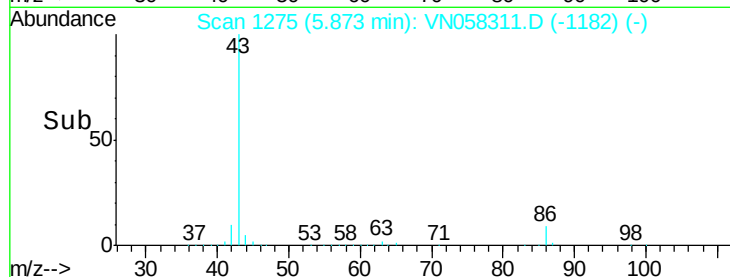
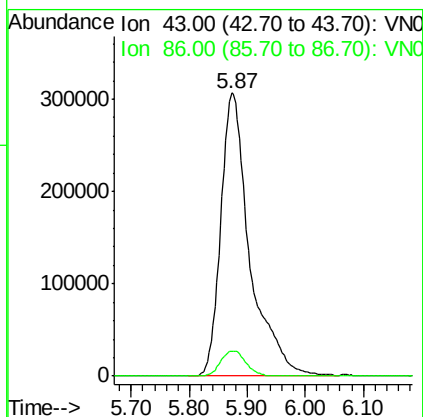
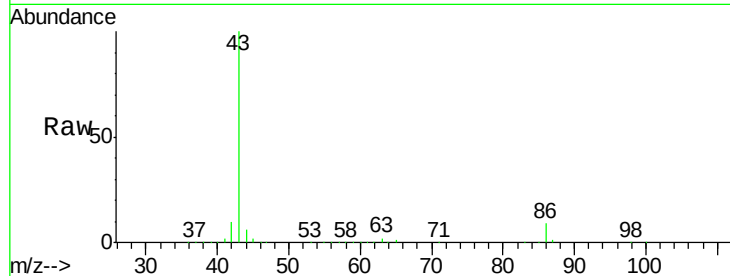




#23
 Vinyl Acetate
 Concen: 112.346 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

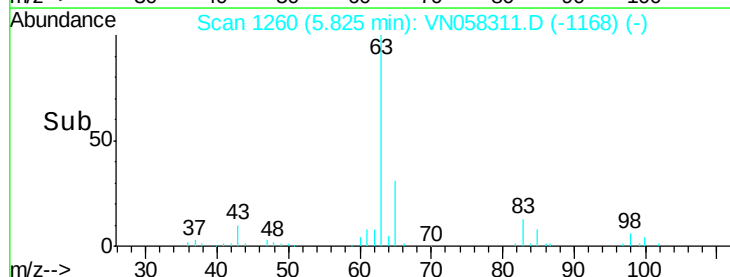
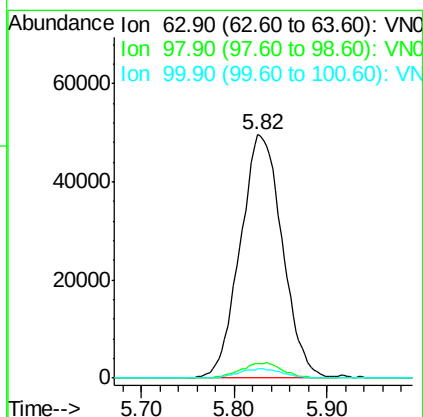
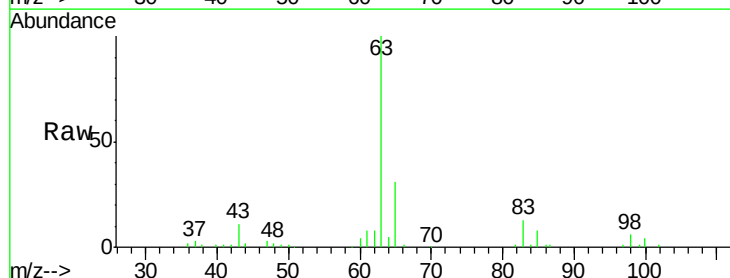
Instrument :
 MSVOA_N
 ClientSampleId :

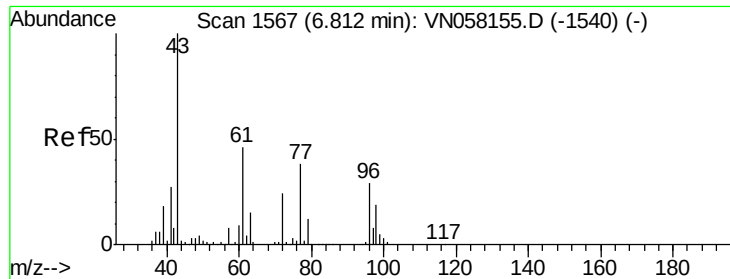
Tot Ion: 43 Resp: 1067095
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 21.146 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 63 Resp: 156662
 Ion Ratio Lower Upper
 63 100
 98 5.7 2.9 8.6
 100 3.7 1.8 5.3

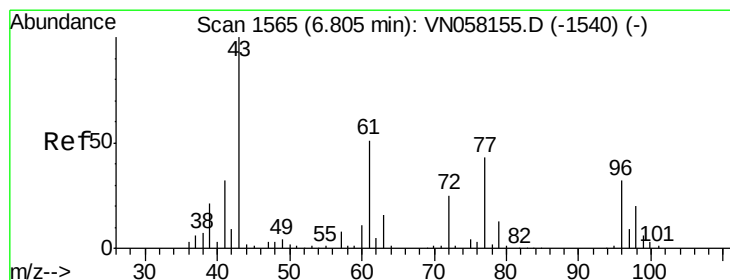
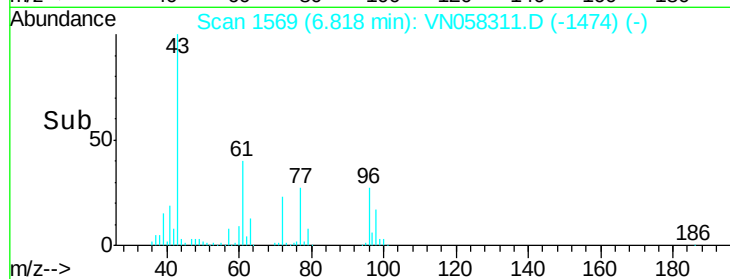
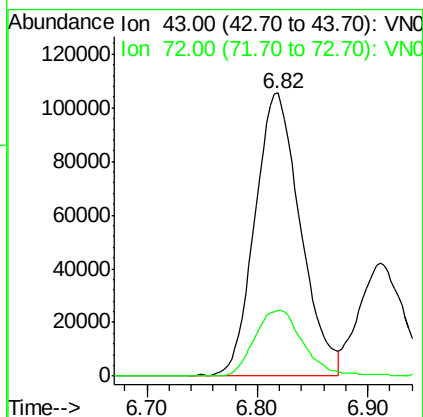
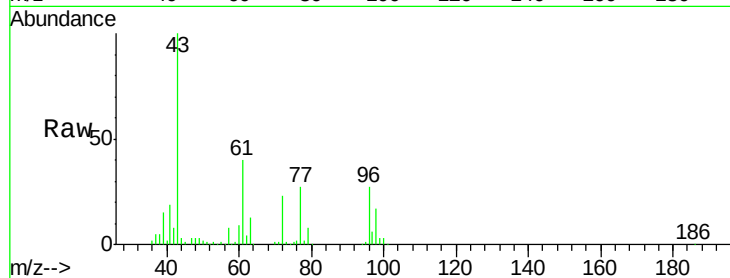




#25
2-Butanone
Concen: 112.982 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

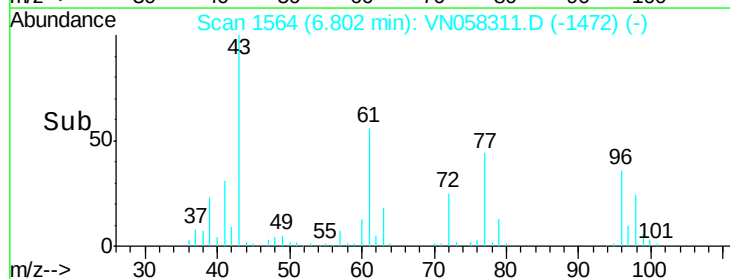
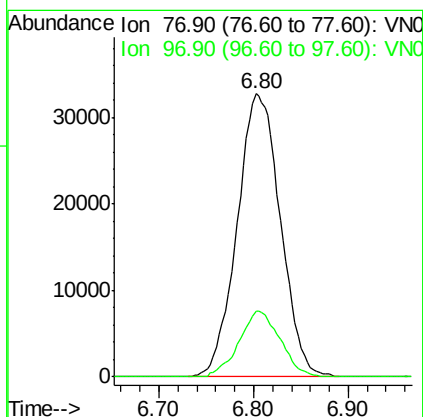
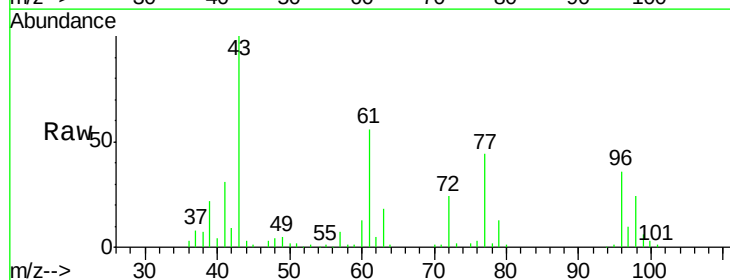
Instrument :
MSVOA_N
ClientSampled :

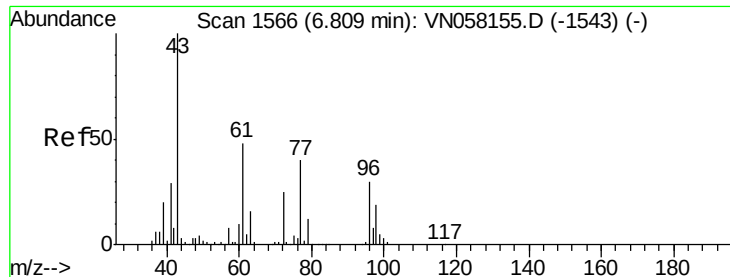
Tot Ion: 43 Resp: 300611
Ion Ratio Lower Upper
43 100
72 23.1 19.5 29.3



#26
2,2-Dichloropropane
Concen: 16.550 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 77 Resp: 104019
Ion Ratio Lower Upper
77 100
97 22.1 10.5 31.6



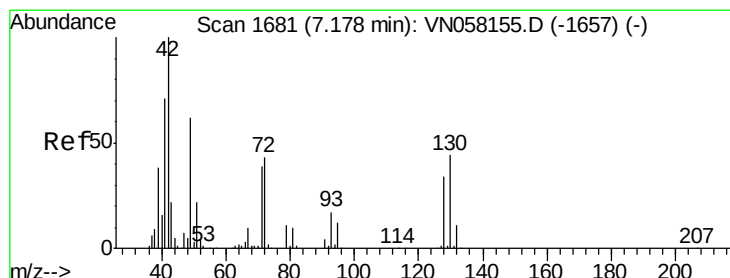
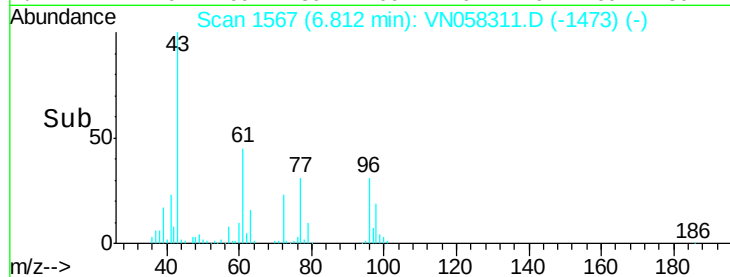
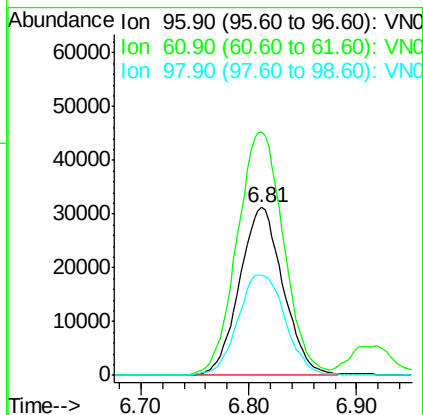
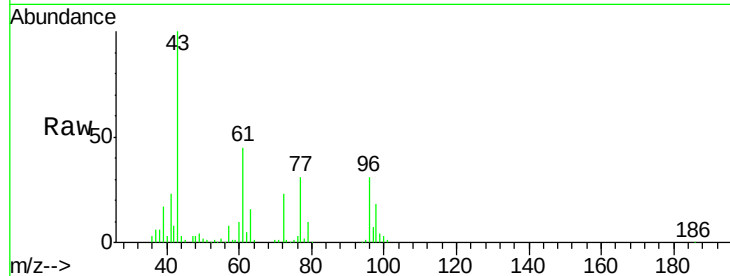


#27

cis-1,2-Dichloroethene
 Concen: 20.929 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Instrument :
 MSVOA_N
 ClientSampled :

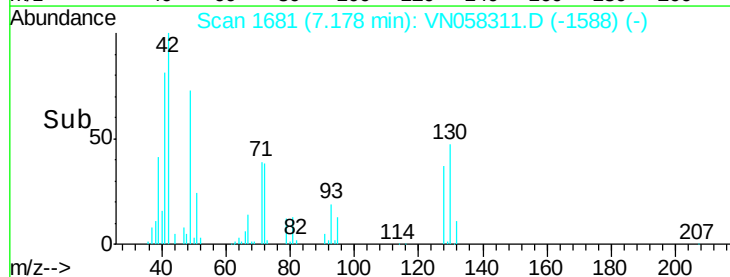
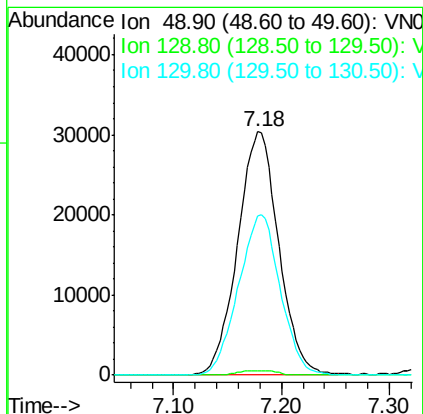
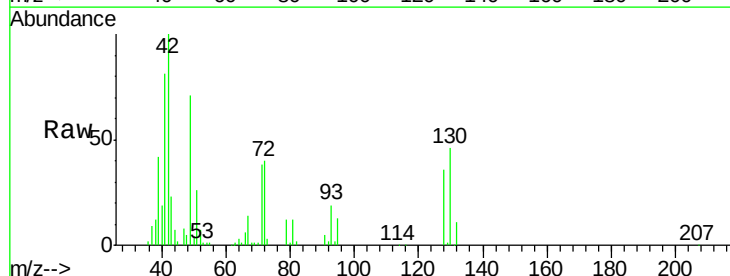
Tot Ion: 96 Resp: 87673
 Ion Ratio Lower Upper
 96 100
 61 154.1 0.0 319.0
 98 64.9 0.0 126.6

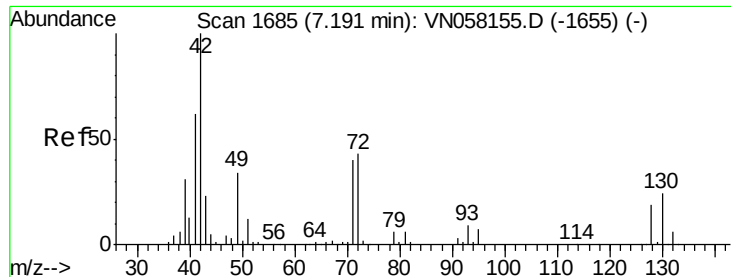


#28

Bromochloromethane
 Concen: 22.972 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 49 Resp: 80512
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 1.8
 130 66.7 55.4 83.2

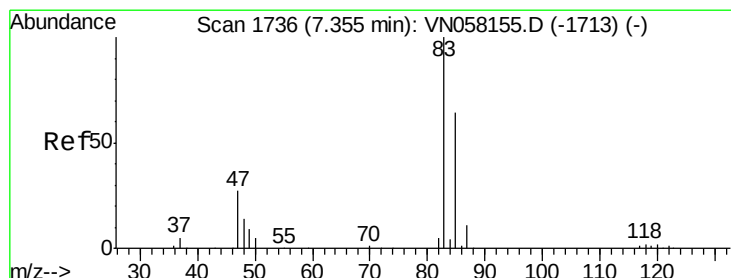
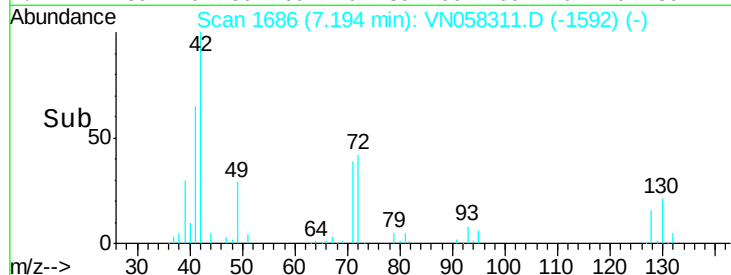
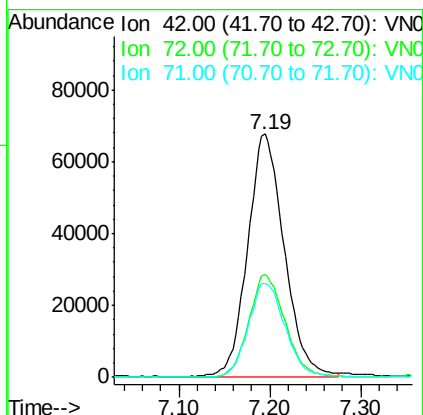
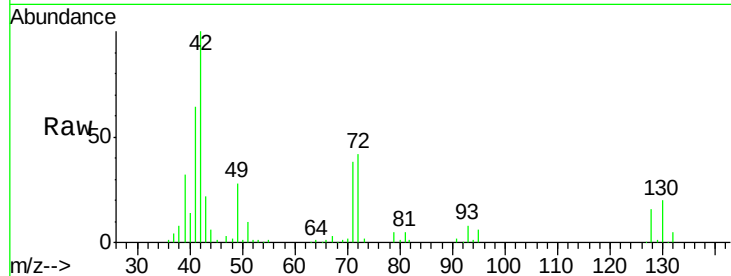




#29
Tetrahydrofuran
Concen: 115.881 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

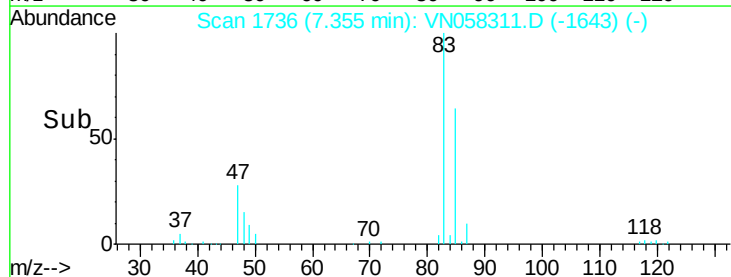
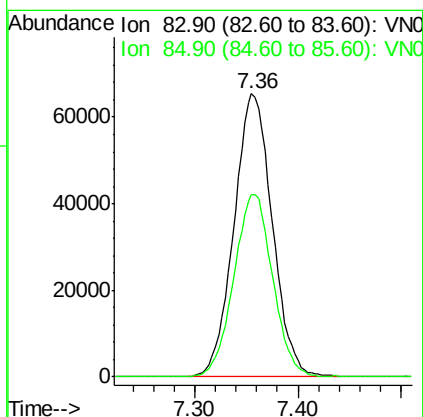
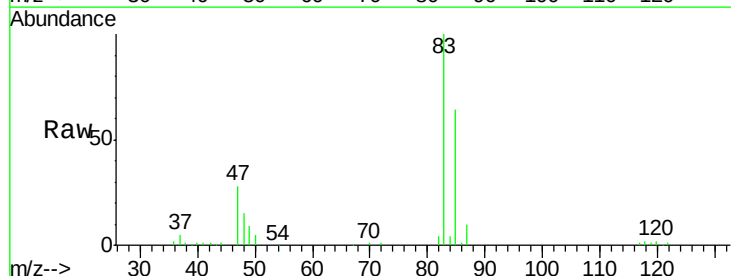
Instrument :
MSVOA_N
ClientSampled :

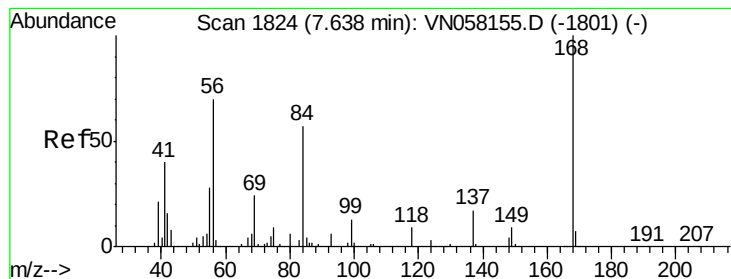
Tot Ion: 42 Resp: 189920
Ion Ratio Lower Upper
42 100
72 41.8 33.8 50.6
71 39.1 31.4 47.0



#30
Chloroform
Concen: 21.204 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 83 Resp: 169093
Ion Ratio Lower Upper
83 100
85 64.4 51.4 77.2





#31

Cyclohexane

Concen: 19.424 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

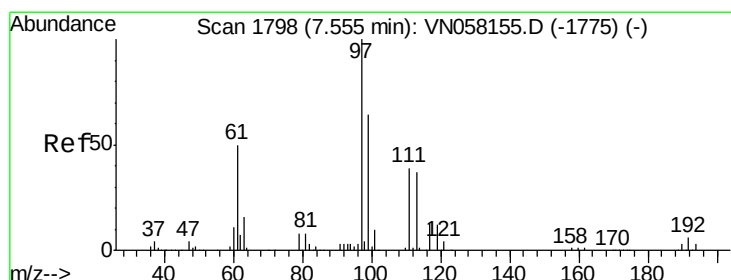
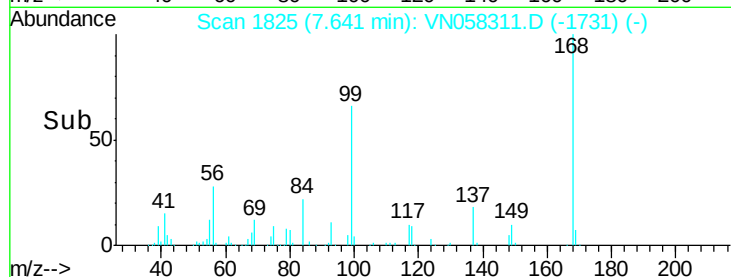
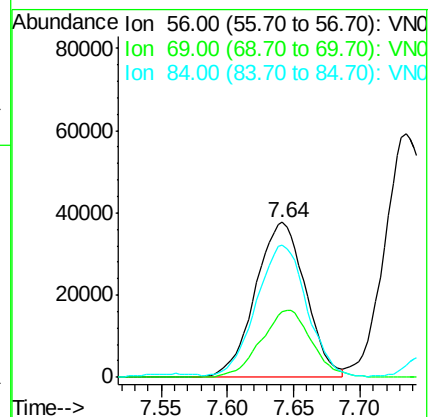
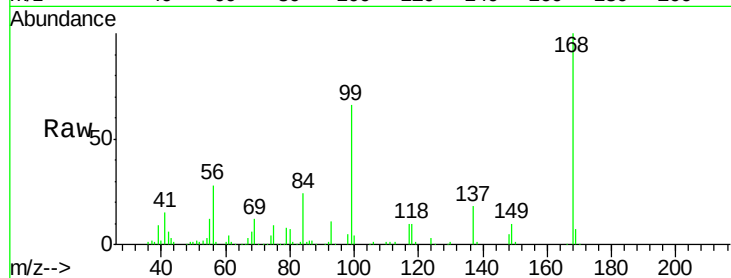
Tot Ion: 56 Resp: 100093

Ion Ratio Lower Upper

56 100

69 42.0 27.3 40.9#

84 83.4 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 21.600 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

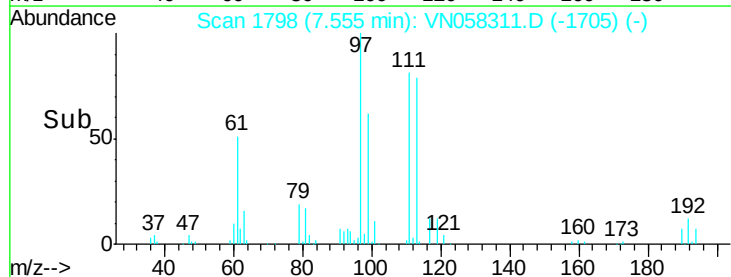
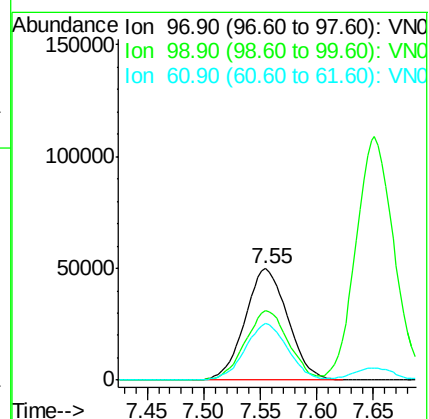
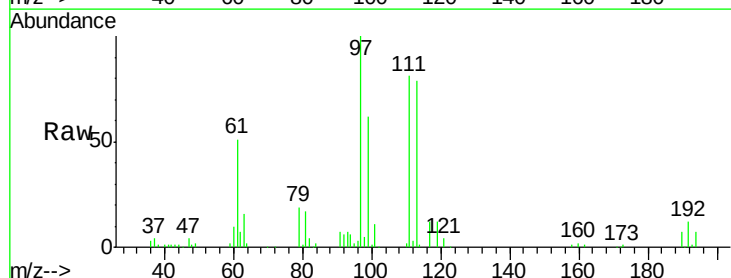
Tgt Ion: 97 Resp: 131136

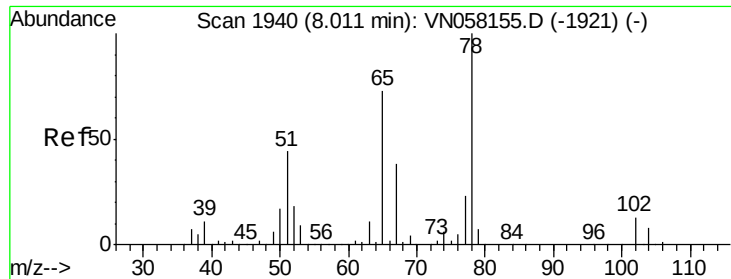
Ion Ratio Lower Upper

97 100

99 62.7 50.9 76.3

61 50.8 39.2 58.8

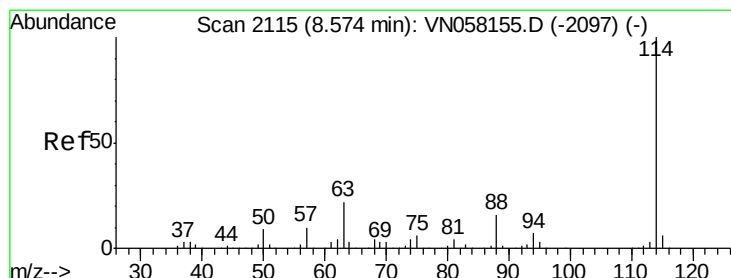
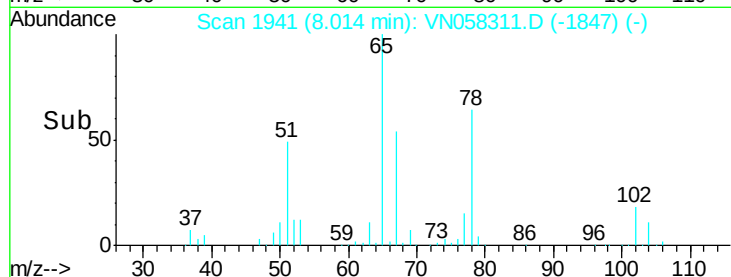
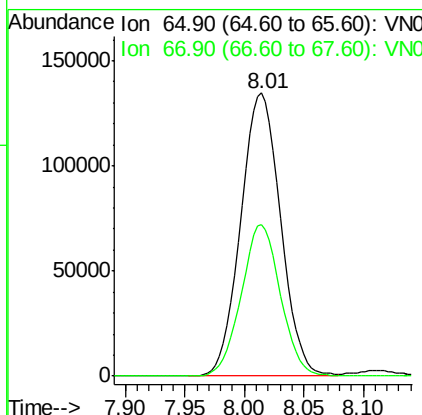
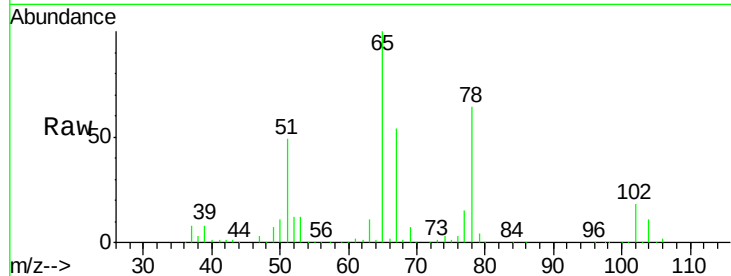




#33
 1,2-Dichloroethane-d4
 Concen: 54.422 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

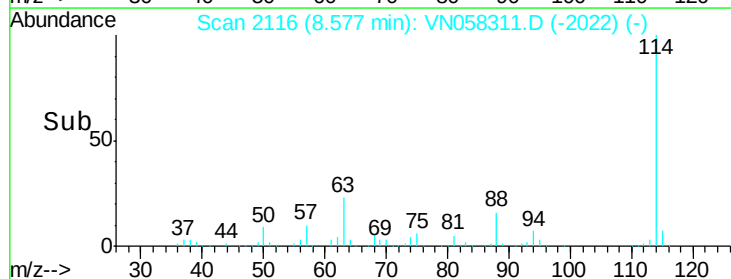
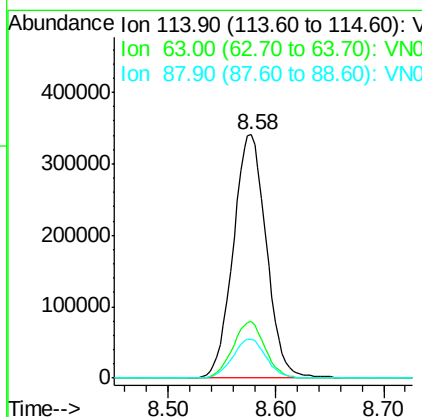
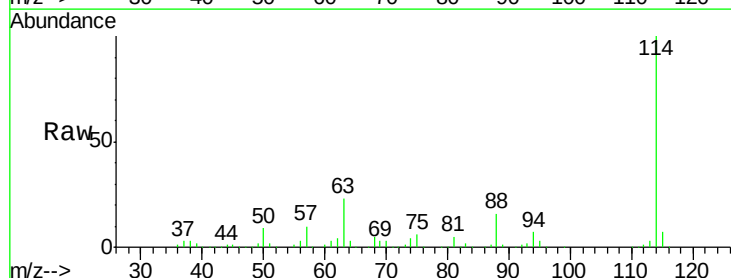
Instrument :
 MSVOA_N
 ClientSampled :

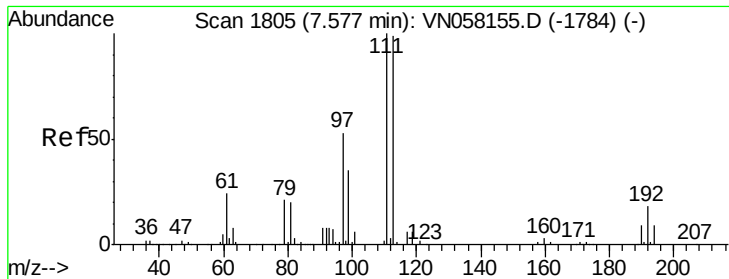
Tot Ion: 65 Resp: 313117
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 114 Resp: 729190
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 44.2
 88 15.9 0.0 31.6

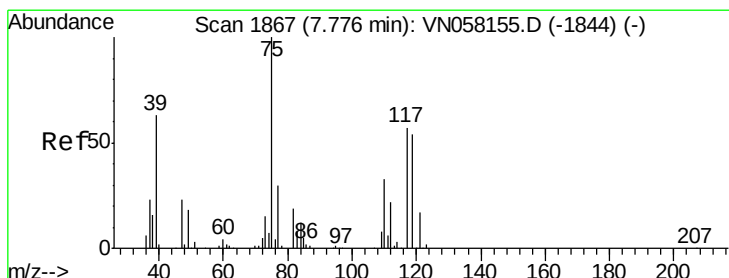
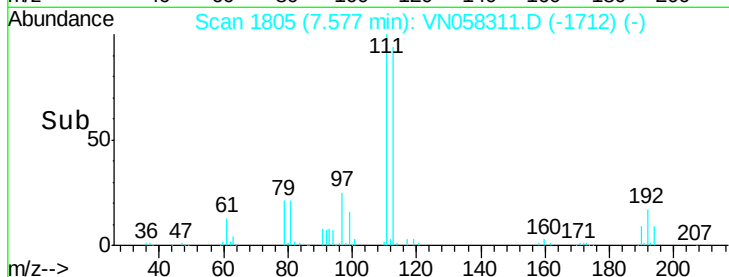
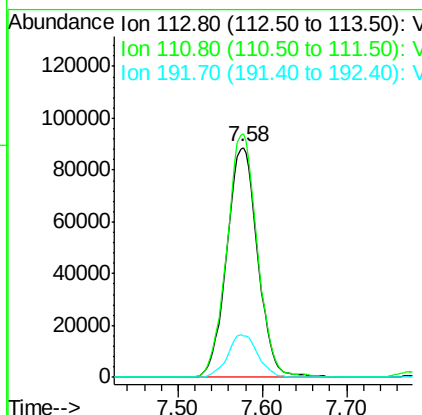
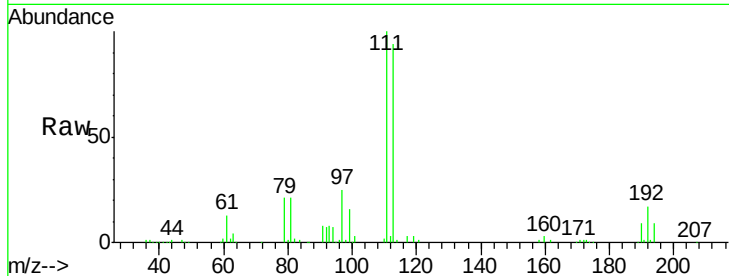




#35
 Dibromofluoromethane
 Concen: 51.060 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

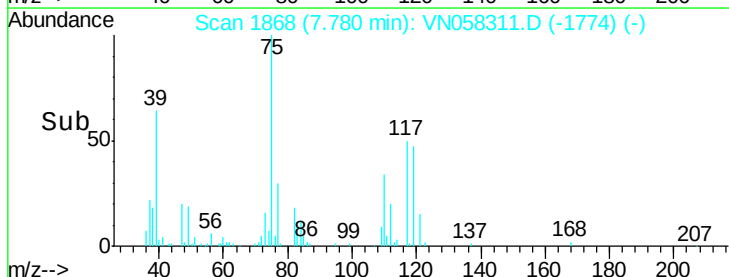
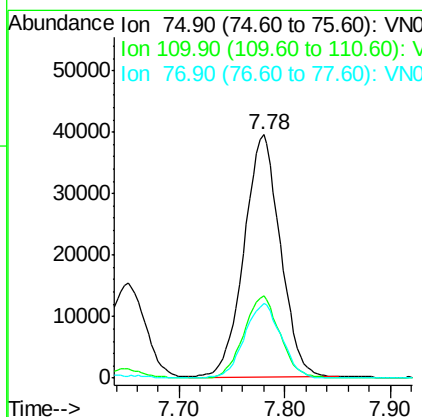
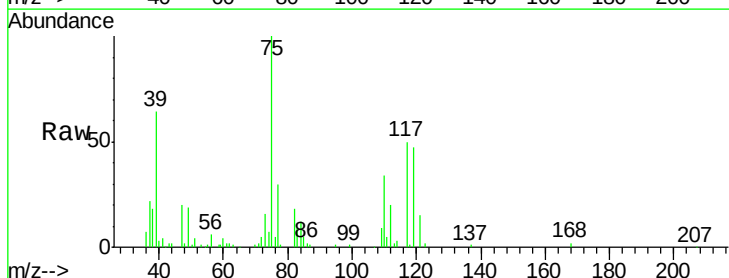
Instrument :
 MSVOA_N
 ClientSampleId :

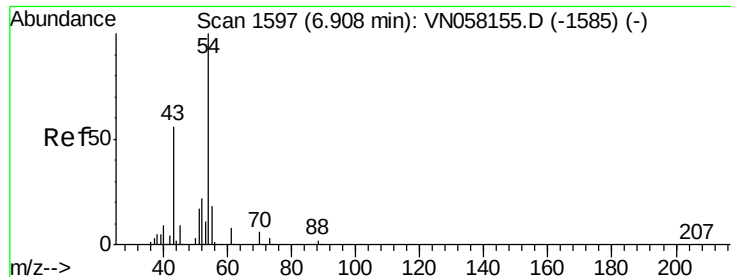
Tot Ion:113 Resp: 226342
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.8 122.6
 192 18.1 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 18.021 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 75 Resp: 94763
 Ion Ratio Lower Upper
 75 100
 110 33.6 16.6 49.7
 77 31.1 24.3 36.5

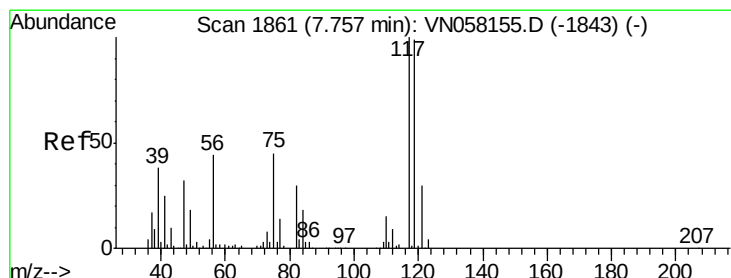
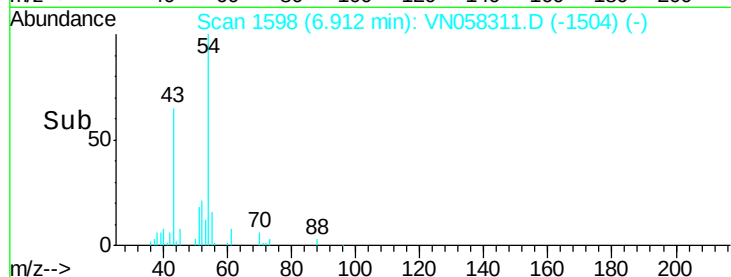
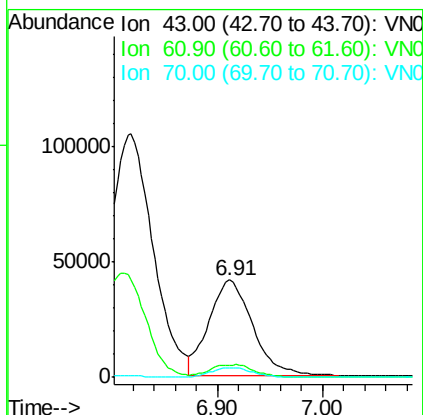
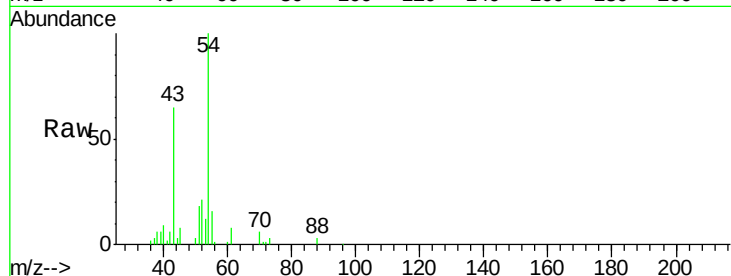




#37
Ethyl Acetate
Concen: 21.931 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

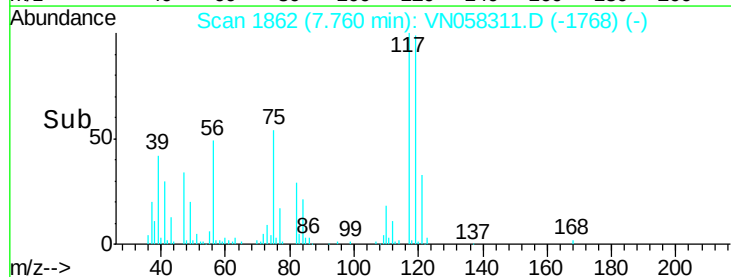
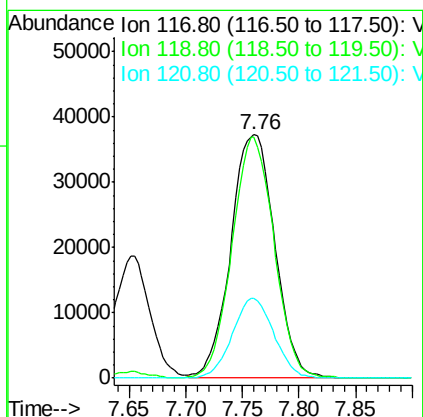
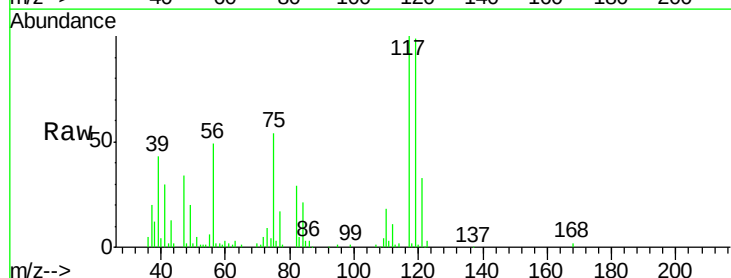
Instrument :
MSVOA_N
ClientSampled :

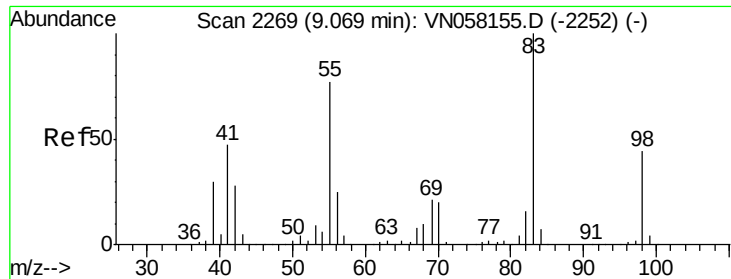
Tot Ion: 43 Resp: 119680
Ion Ratio Lower Upper
43 100
61 13.1 10.7 16.1
70 9.8 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.069 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 117 Resp: 100798
Ion Ratio Lower Upper
117 100
119 99.1 78.6 117.8
121 32.8 24.1 36.1

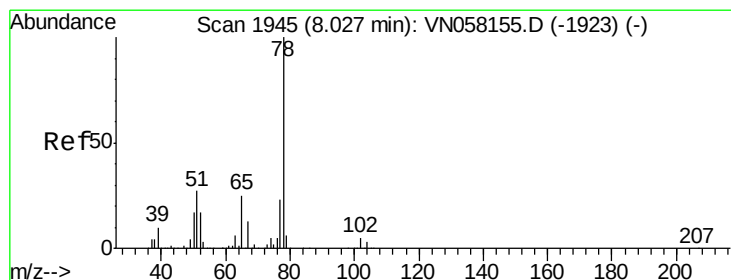
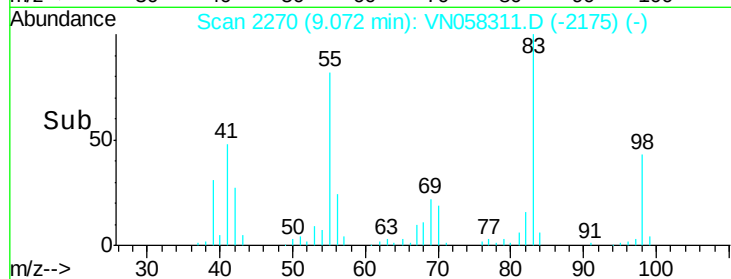
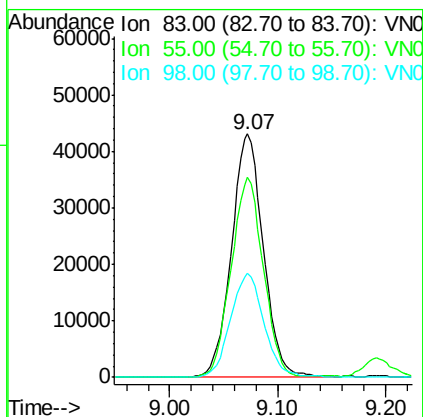
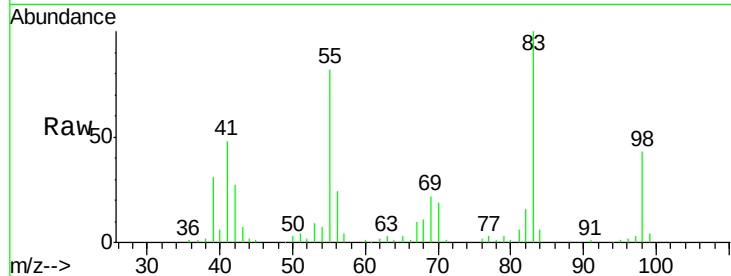




#39
Methylvlcyclohexane
Concen: 17.517 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

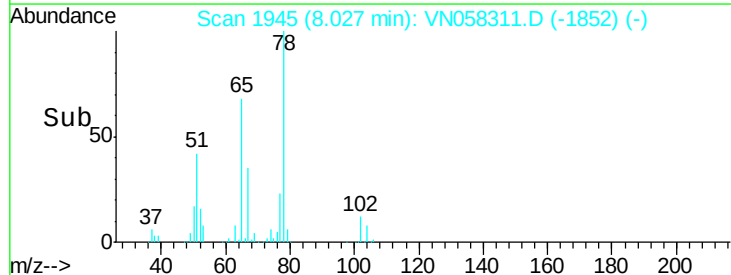
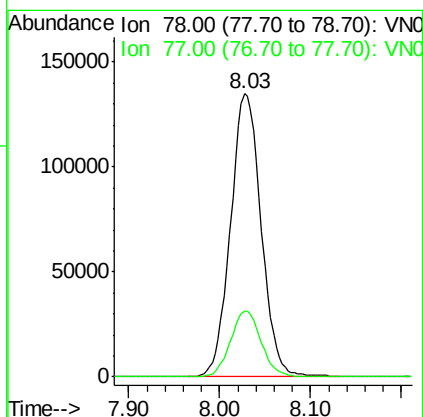
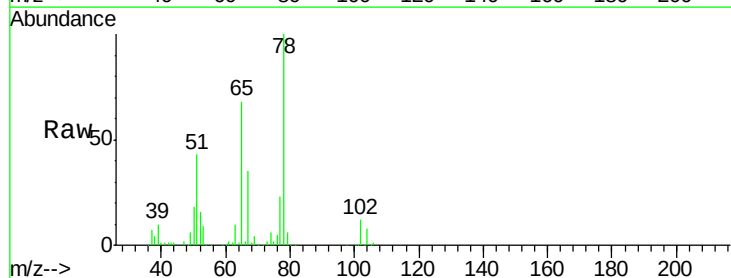
Instrument :
MSVOA_N
ClientSampled :

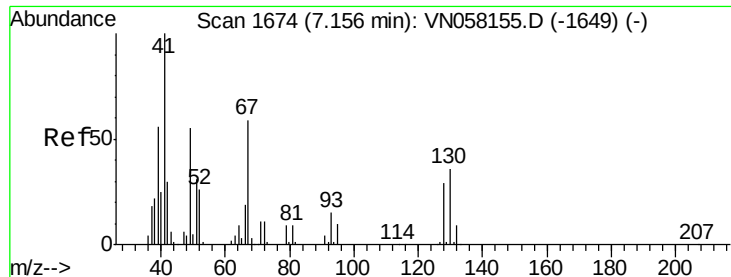
Tot Ion: 83 Resp: 88827
Ion Ratio Lower Upper
83 100
55 82.1 61.9 92.9
98 42.9 35.4 53.2



#40
Benzene
Concen: 19.654 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 78 Resp: 315672
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2





#41

Methacrylonitrile

Concen: 67.091 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.04 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 185318

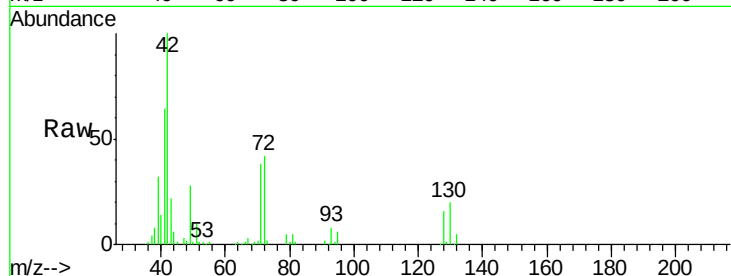
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

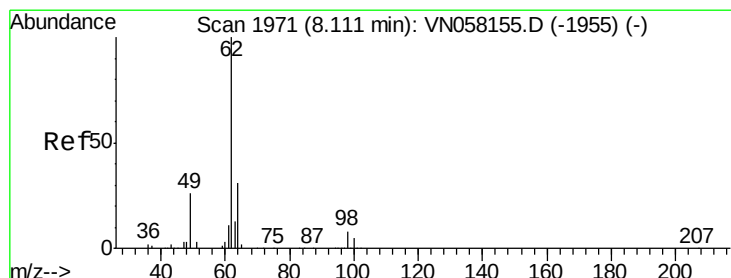
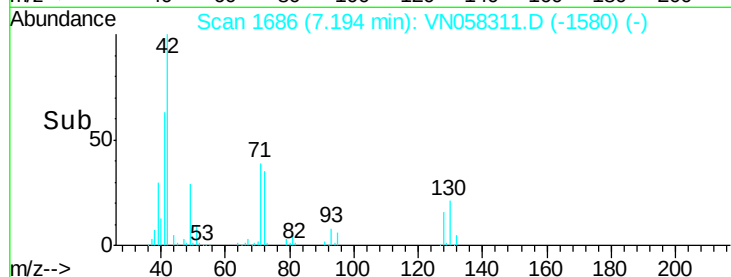
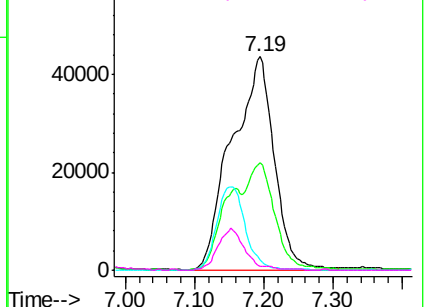


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.660 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VN058311.D

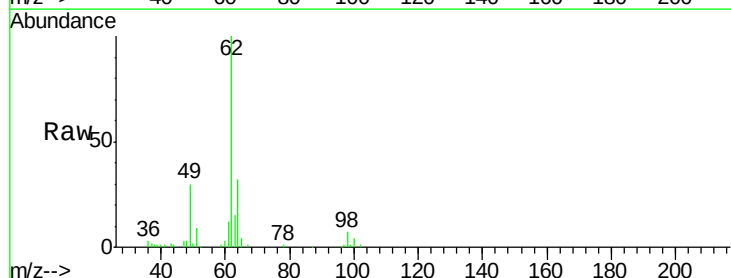
Acq: 23 Sep 2019 22:54

Tgt Ion: 62 Resp: 139235

Ion Ratio Lower Upper

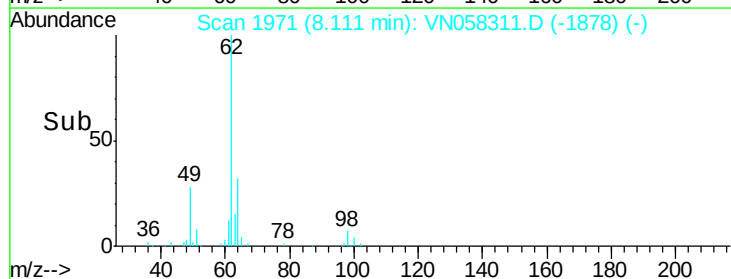
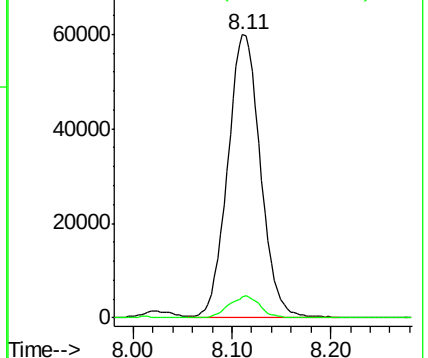
62 100

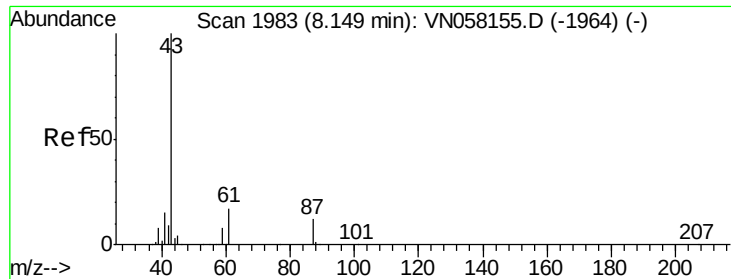
98 7.3 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.629 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

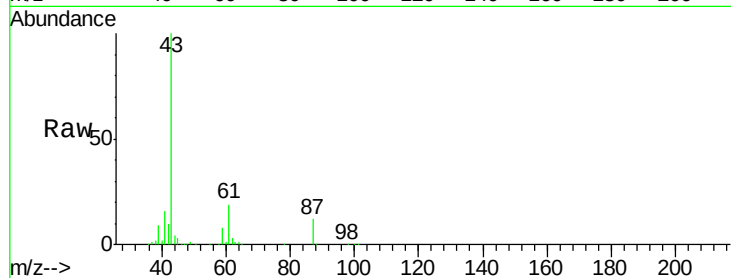
Tot Ion: 43 Resp: 210252

Ion Ratio Lower Upper

43 100

61 17.8 19.7 29.5#

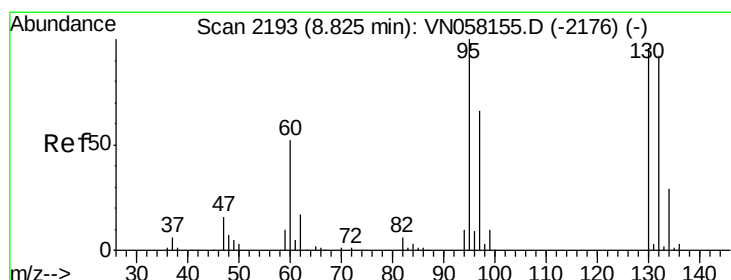
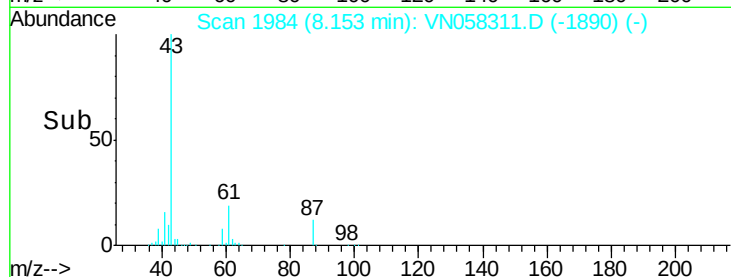
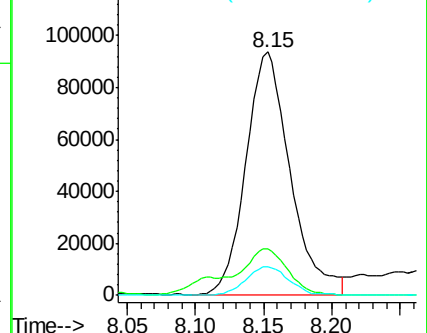
87 11.7 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.206 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058311.D

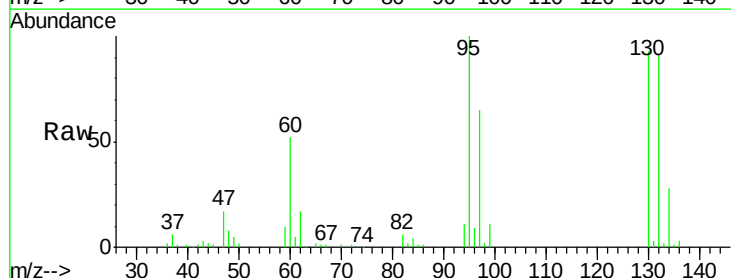
Acq: 23 Sep 2019 22:54

Tgt Ion:130 Resp: 75487

Ion Ratio Lower Upper

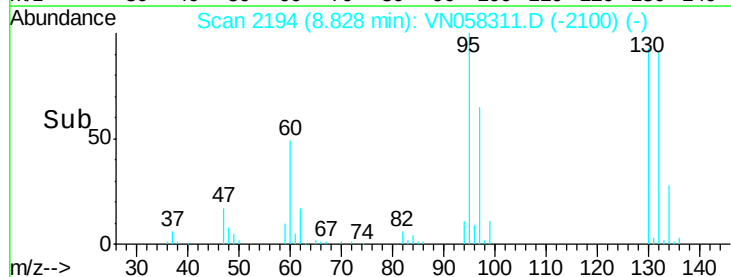
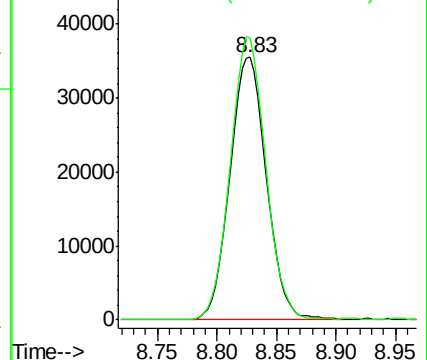
130 100

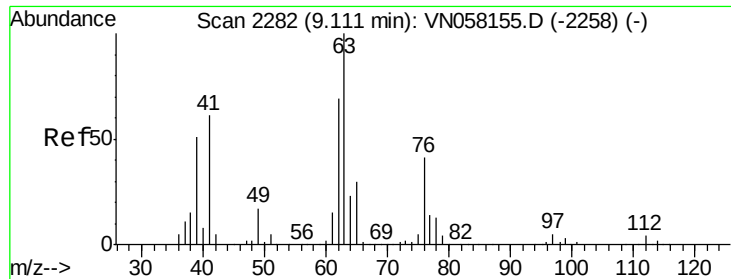
95 107.5 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

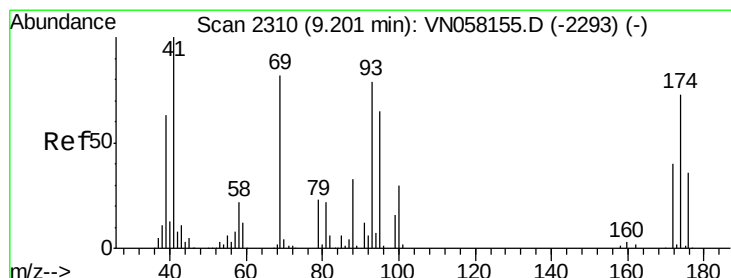
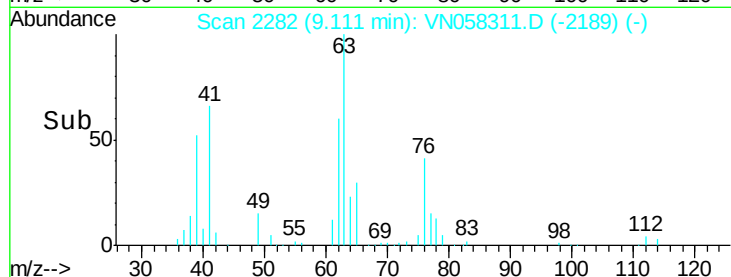
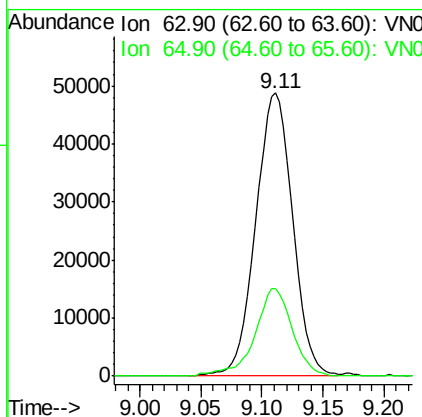
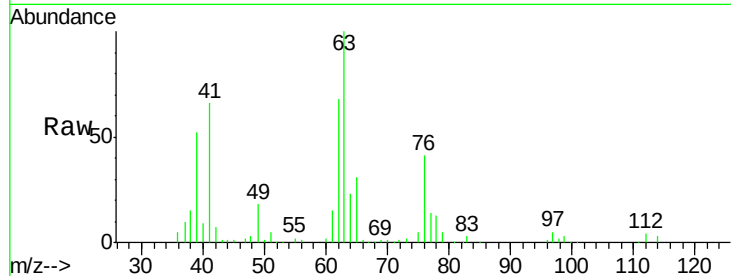




#45
 1,2-Dichloropropane
 Concen: 21.381 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

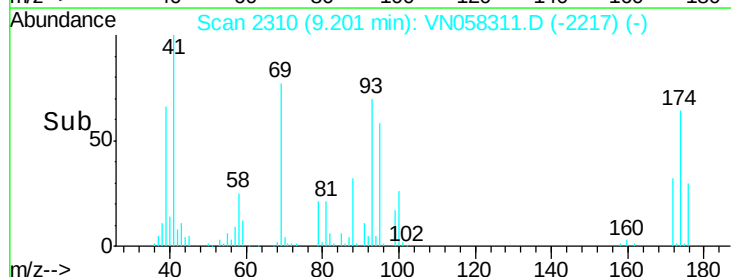
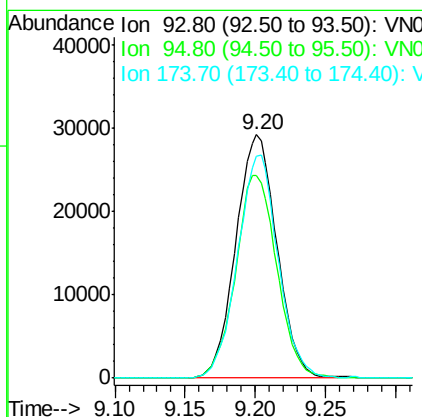
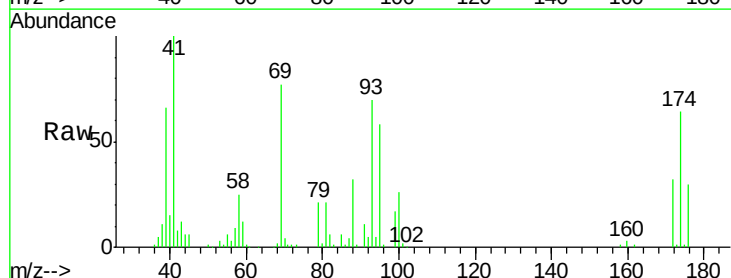
Instrument :
 MSVOA_N
 ClientSampled :

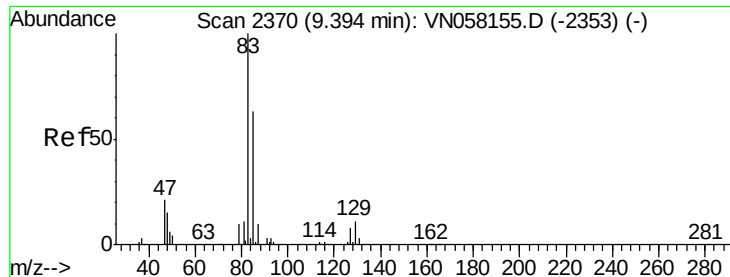
Tot Ion: 63 Resp: 102555
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.6



#46
 Dibromomethane
 Concen: 20.363 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 93 Resp: 59383
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.8 100.2
 174 90.5 73.8 110.8





#47

Bromodichloromethane

Concen: 20.372 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

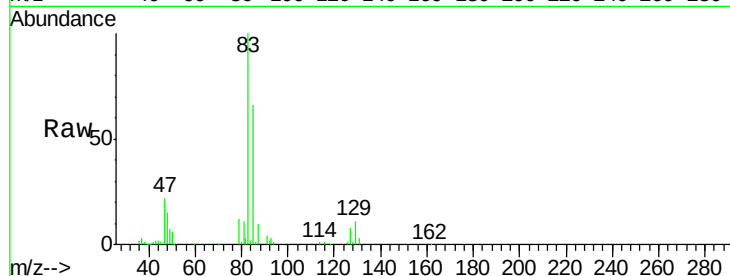
Tot Ion: 83 Resp: 124460

Ion Ratio Lower Upper

83 100

85 66.3 50.1 75.1

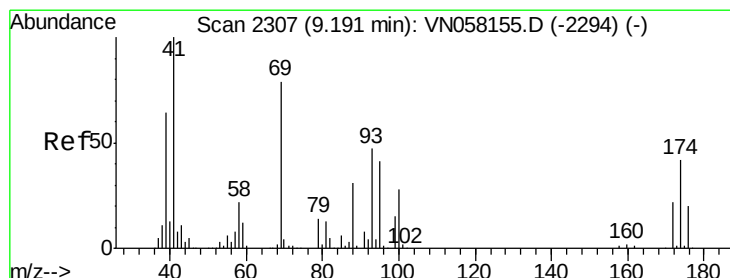
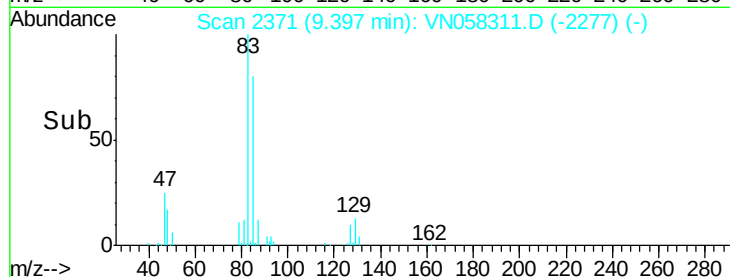
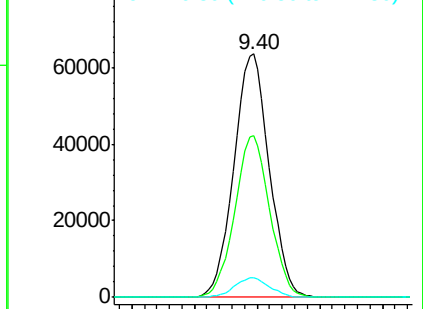
127 8.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 21.065 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

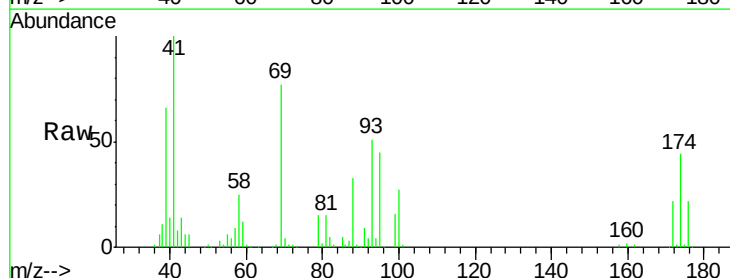
Tgt Ion: 41 Resp: 97478

Ion Ratio Lower Upper

41 100

69 79.9 62.5 93.7

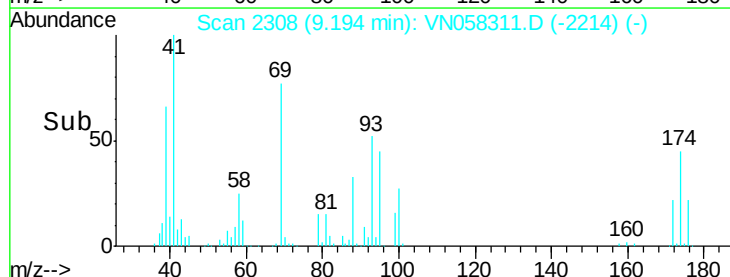
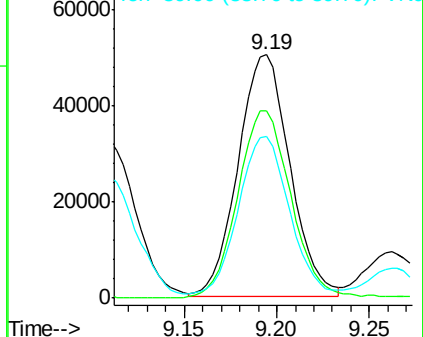
39 66.6 52.3 78.5

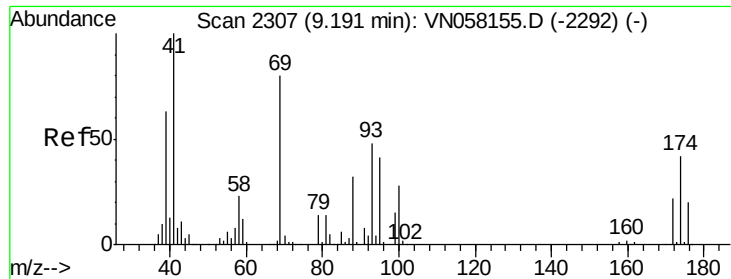


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

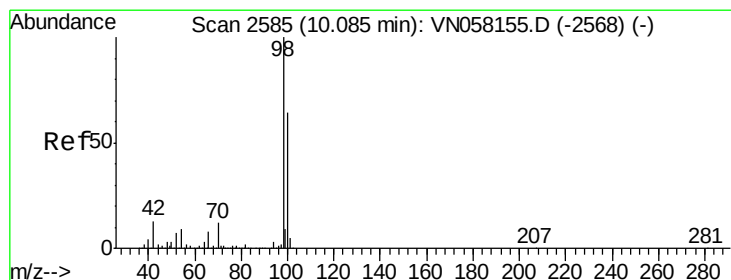
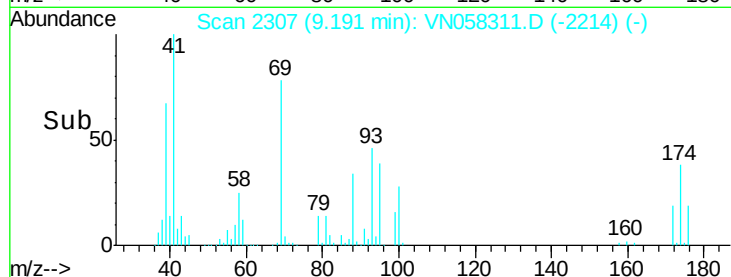
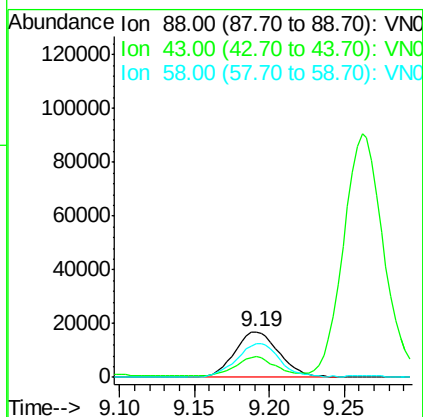
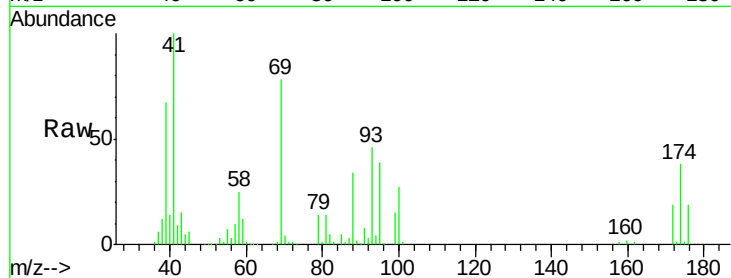




#49
 1,4-Dioxane
 Concen: 464.331 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

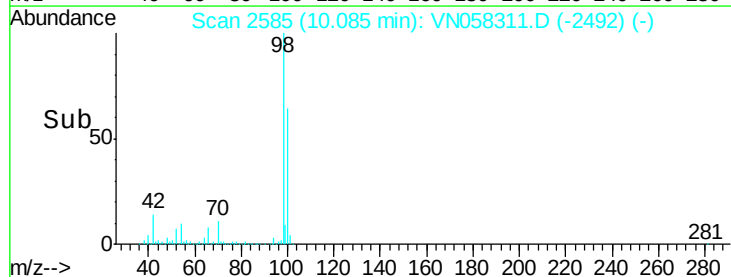
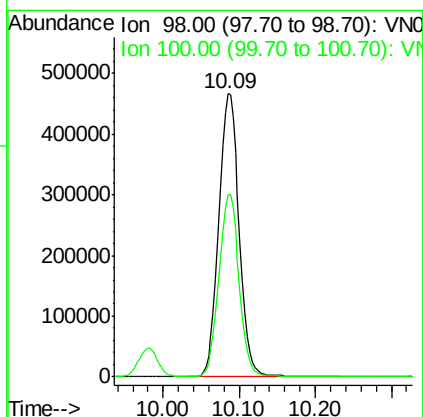
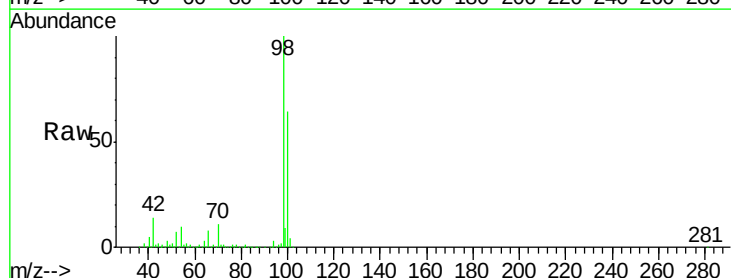
Instrument :
 MSVOA_N
 ClientSampled :

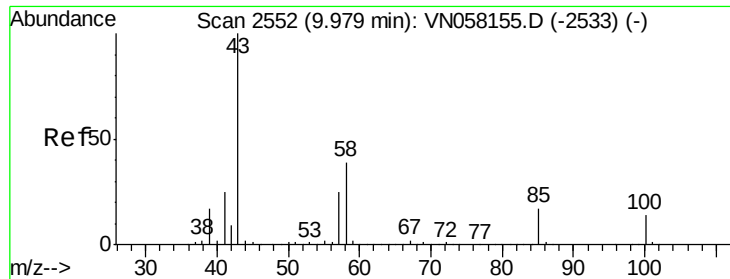
Tot Ion: 88 Resp: 35278
 Ion Ratio Lower Upper
 88 100
 43 38.0 27.8 41.8
 58 72.5 55.0 82.4



#50
 Toluene-d8
 Concen: 50.166 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 98 Resp: 866430
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 123.261 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

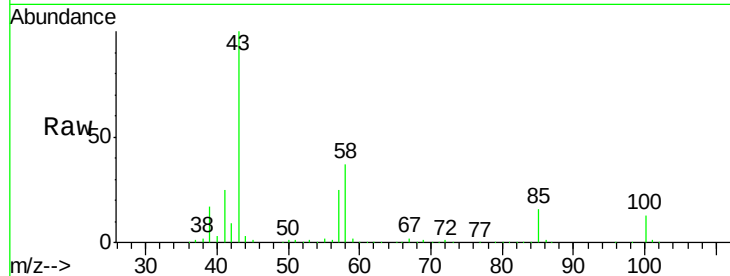
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 667275

Ion Ratio Lower Upper

43 100

58 36.5 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

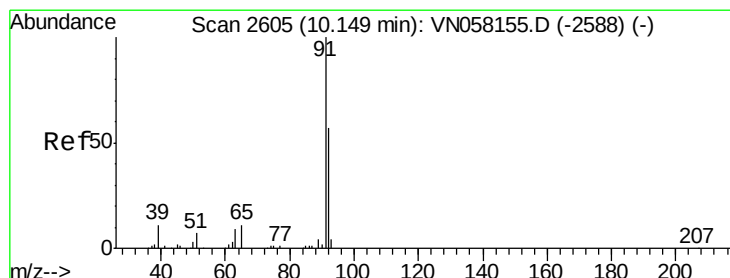
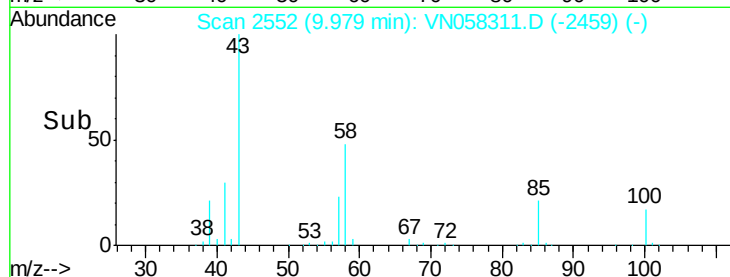
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.281 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058311.D

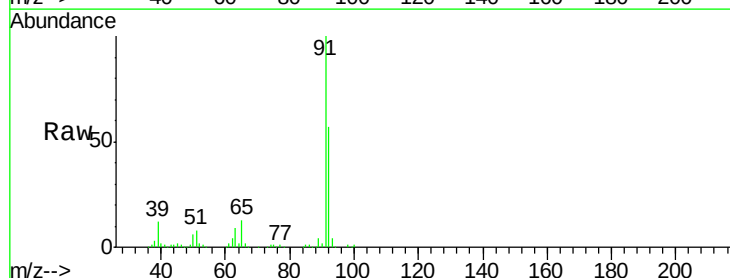
Acq: 23 Sep 2019 22:54

Tgt Ion: 92 Resp: 194080

Ion Ratio Lower Upper

92 100

91 178.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

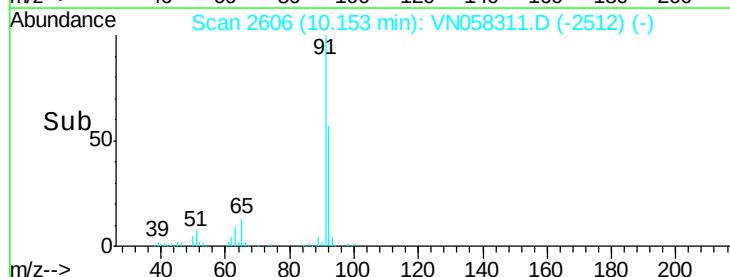
150000

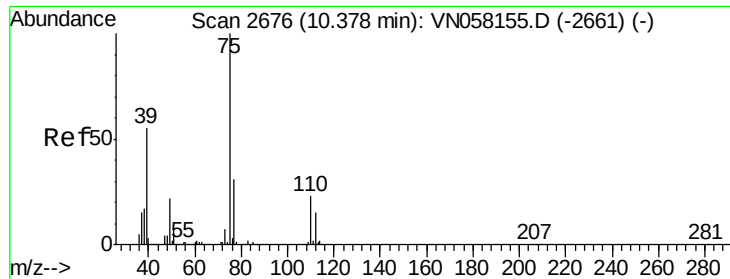
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.468 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

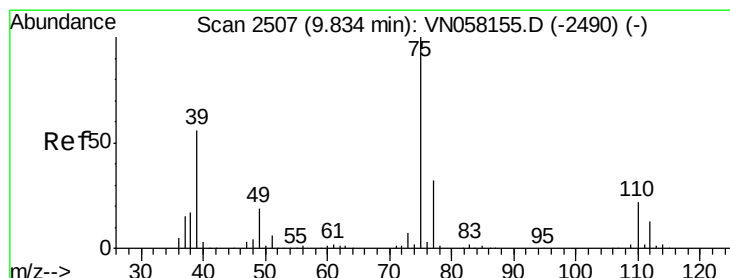
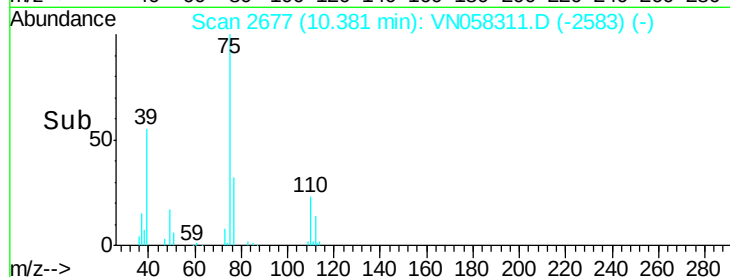
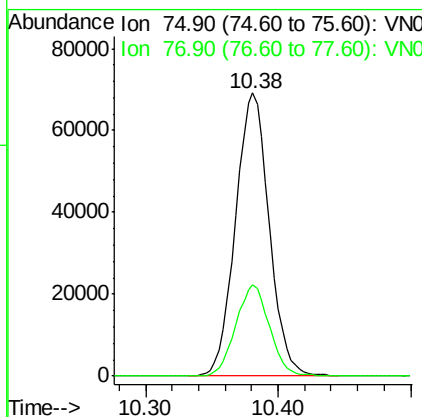
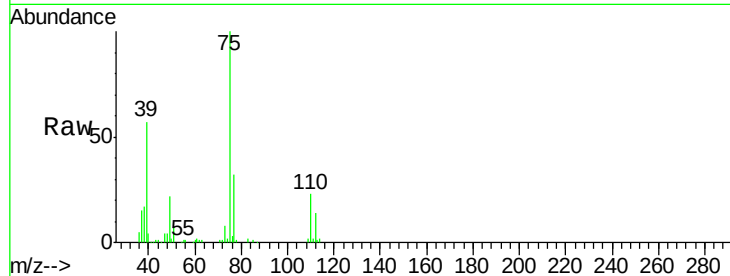
ClientSampleId :

Tot Ion: 75 Resp: 121835

Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 19.643 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

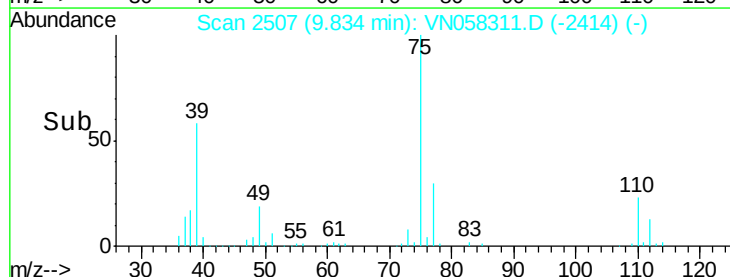
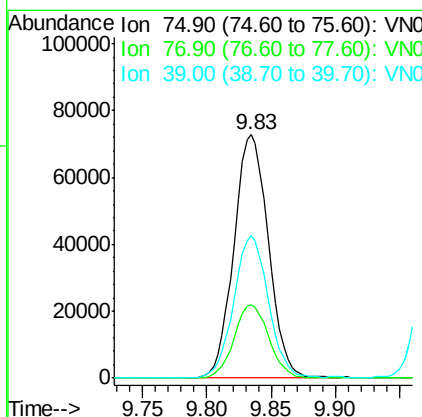
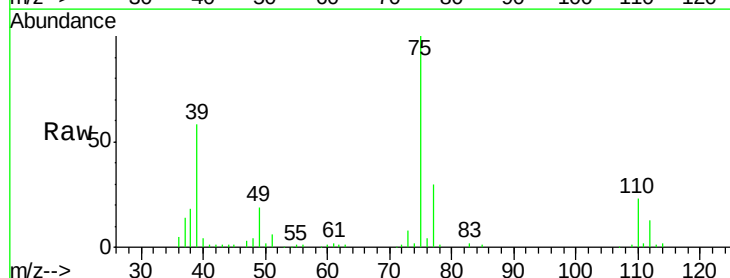
Tgt Ion: 75 Resp: 135723

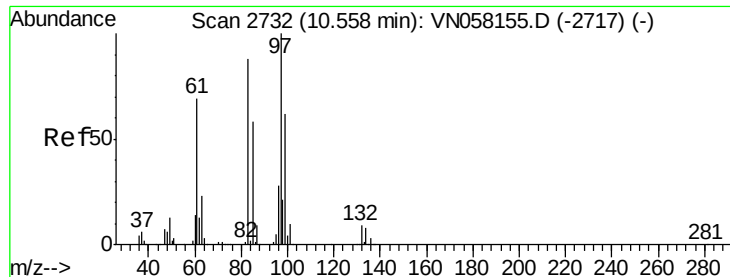
Ion Ratio Lower Upper

75 100

77 30.3 25.4 38.0

39 58.2 45.0 67.6





#55

1,1,2-Trichloroethane

Concen: 21.599 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

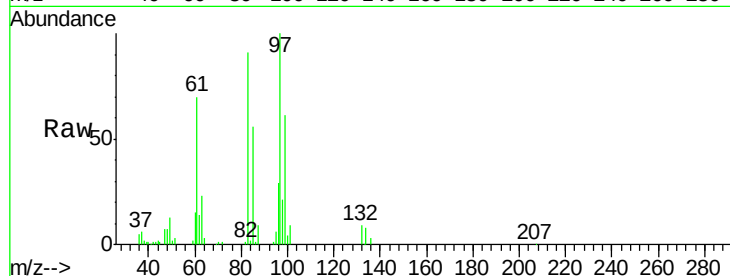
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 96481

Ion	Ratio	Lower	Upper
97	100		
83	91.2	70.4	105.6
85	55.6	46.8	70.2
99	61.4	49.9	74.9



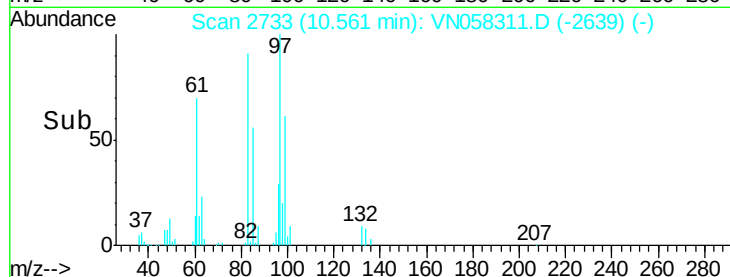
Abundance

Ion 96.90 (96.60 to 97.60): VN0

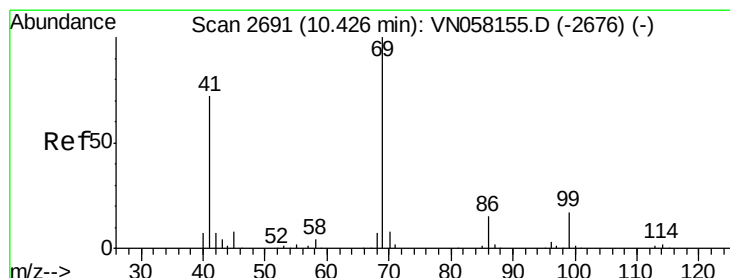
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#56

Ethyl methacrylate

Concen: 21.265 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion: 69 Resp: 137053

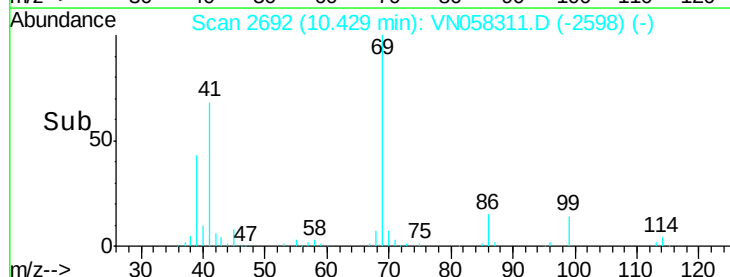
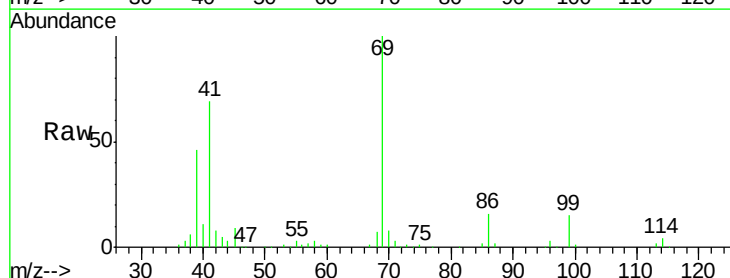
Ion	Ratio	Lower	Upper
69	100		
41	70.1	57.5	86.3
39	45.6	36.1	54.1

Abundance

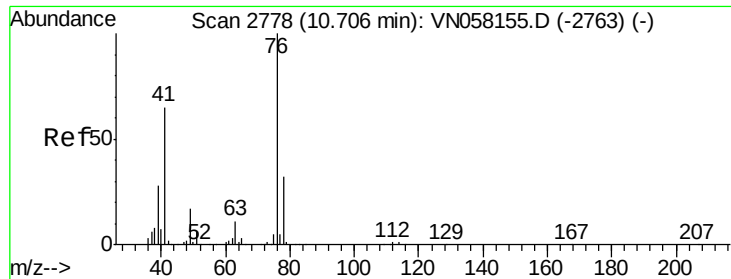
Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



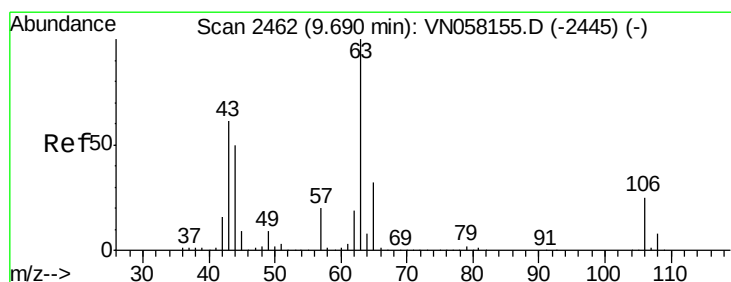
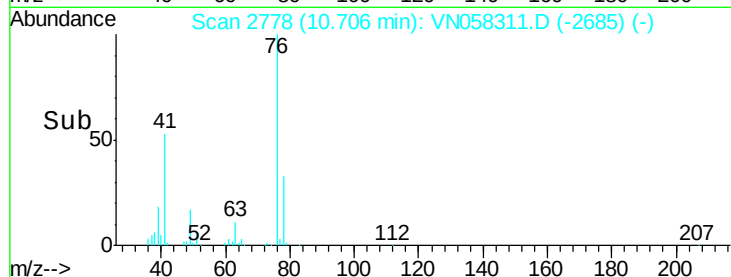
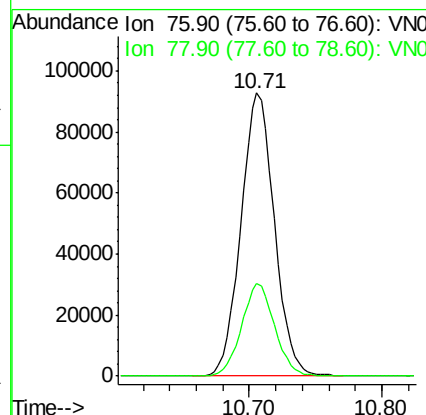
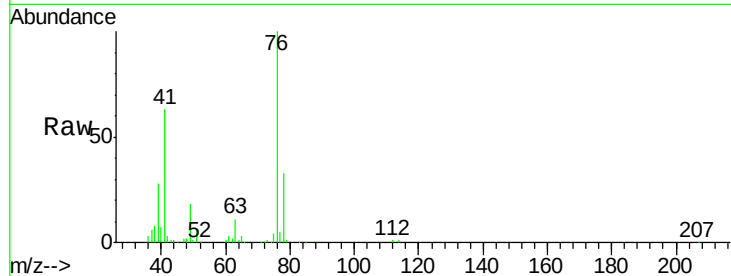
Time-->



#57
 1,3-Dichloropropane
 Concen: 21.152 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

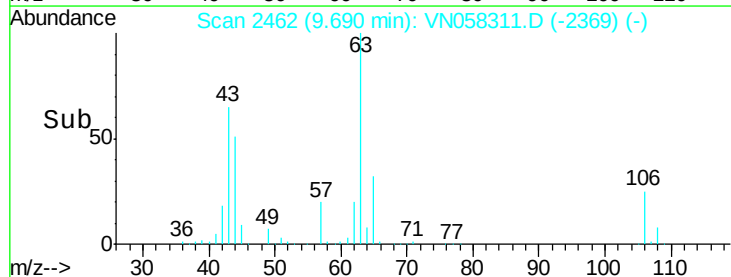
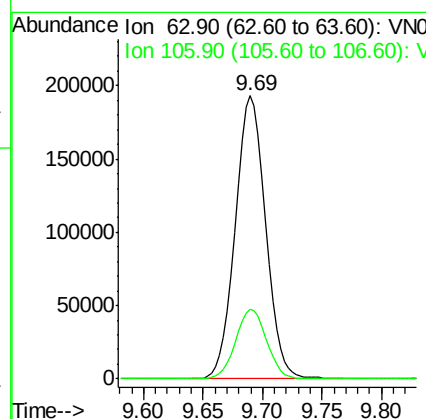
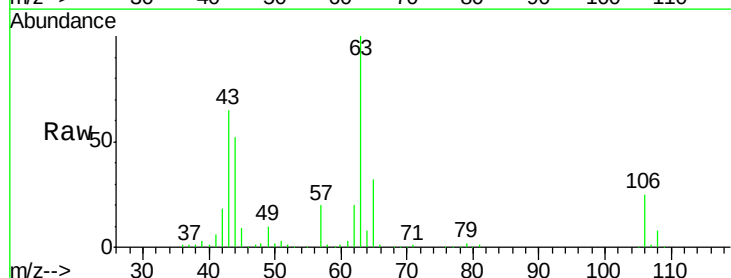
Instrument :
 MSVOA_N
 ClientSampled :

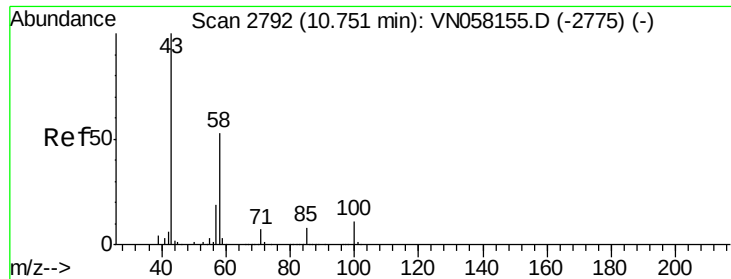
Tot Ion: 76 Resp: 162430
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.326 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion: 63 Resp: 341768
 Ion Ratio Lower Upper
 63 100
 106 25.1 19.9 29.9

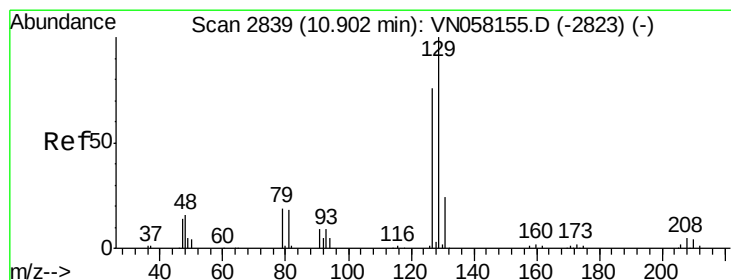
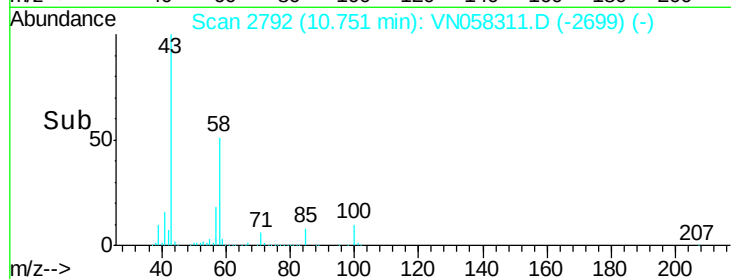
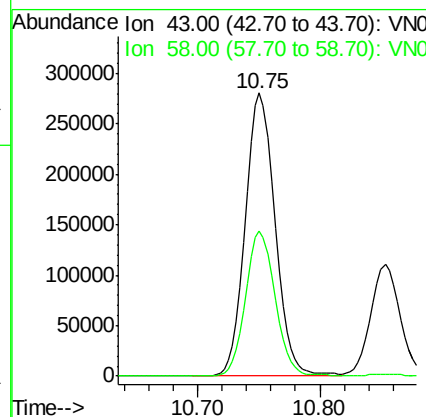
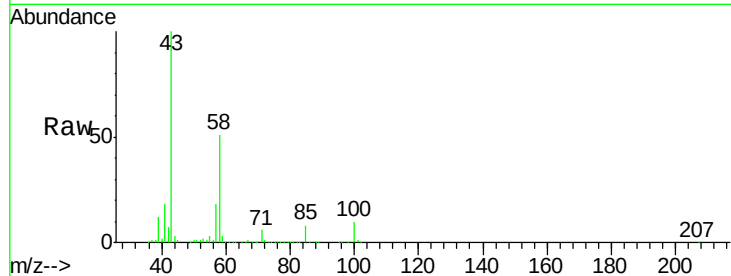




#59
2-Hexanone
Concen: 116.796 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

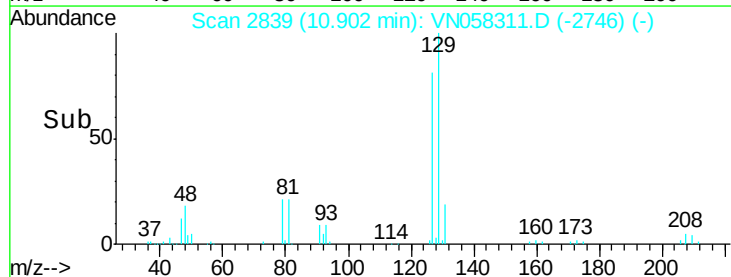
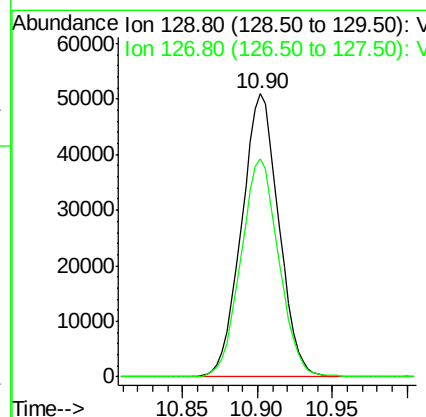
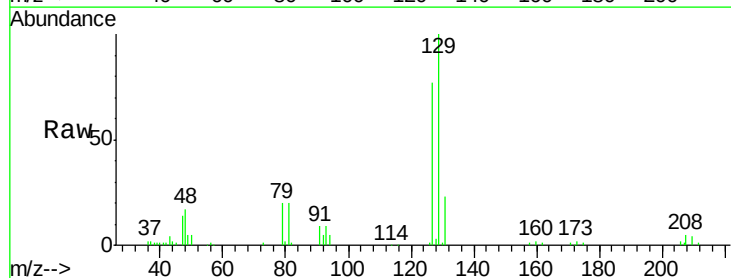
Instrument :
MSVOA_N
ClientSampleId :

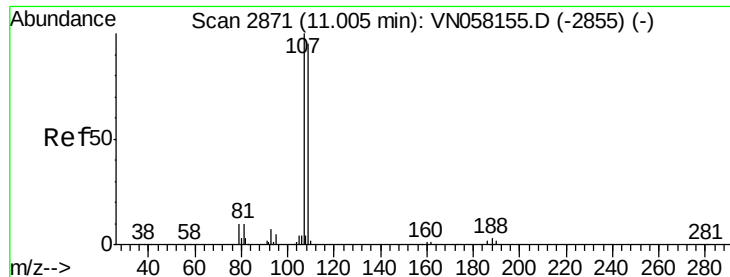
Tot Ion: 43 Resp: 469586
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0



#60
Dibromochloromethane
Concen: 20.507 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 129 Resp: 88130
Ion Ratio Lower Upper
129 100
127 78.2 38.7 116.1





#61

1,2-Dibromoethane

Concen: 20.651 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

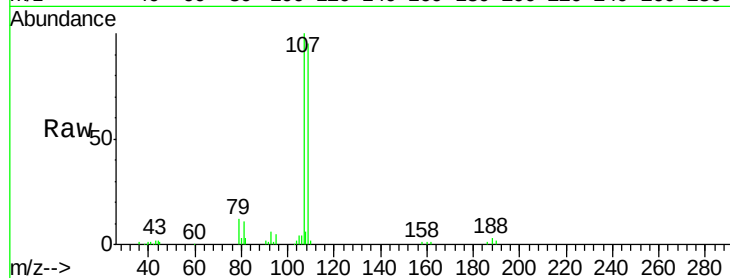
ClientSampled :

Tot Ion: 107 Resp: 85488

Ion Ratio Lower Upper

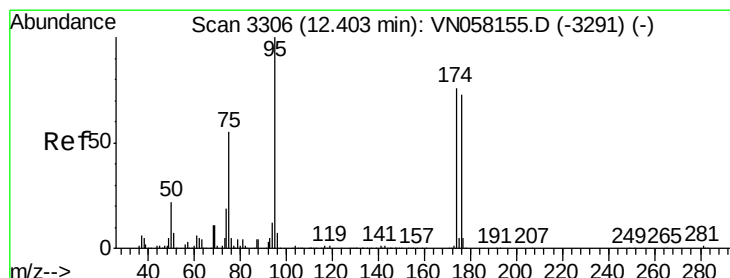
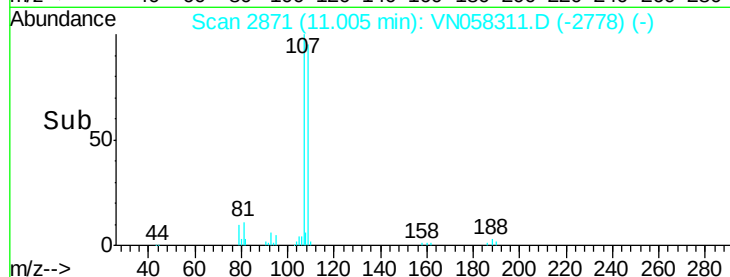
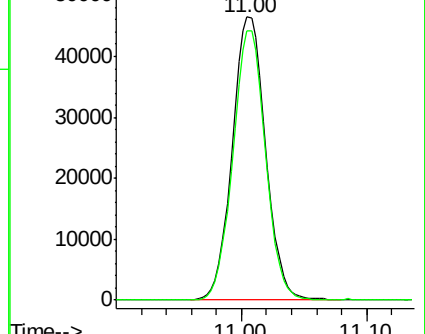
107 100

109 93.3 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.024 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

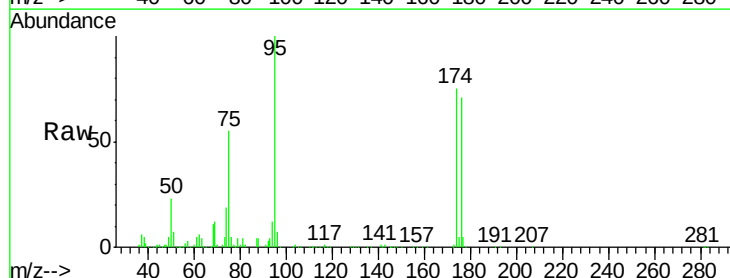
Tgt Ion: 95 Resp: 308106

Ion Ratio Lower Upper

95 100

174 75.6 0.0 152.2

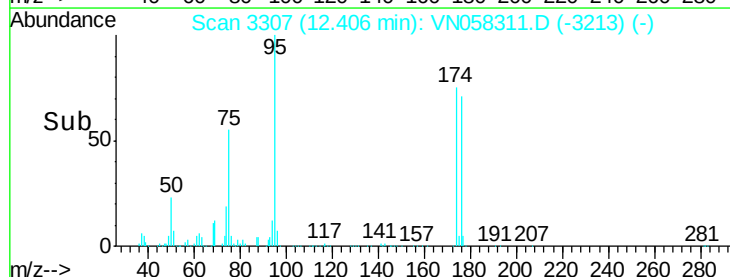
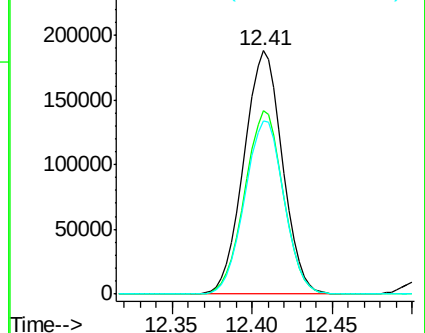
176 72.7 0.0 148.0

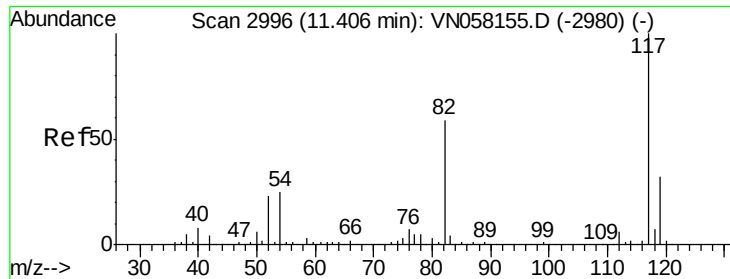


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

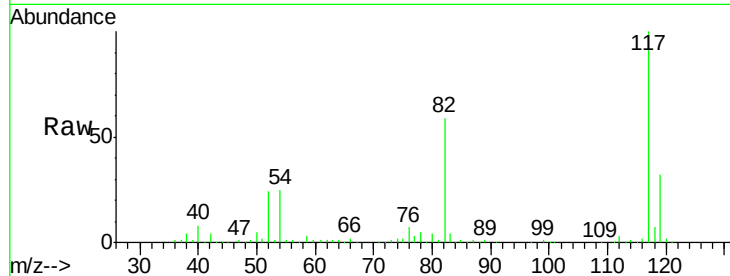




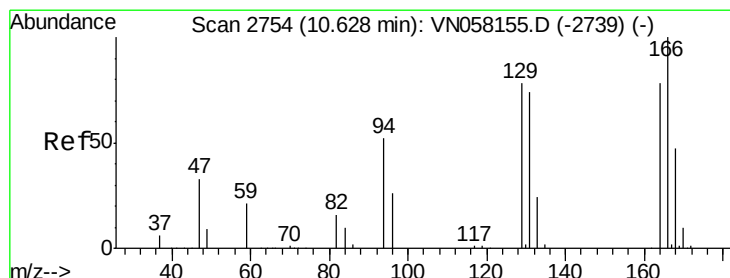
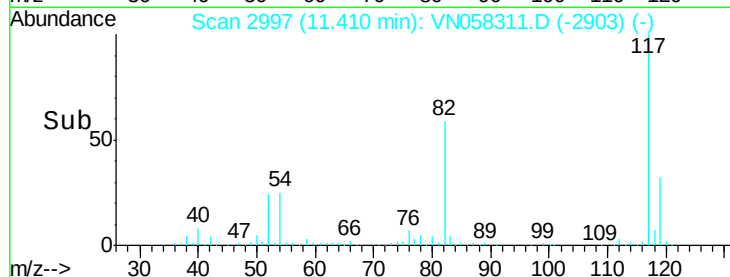
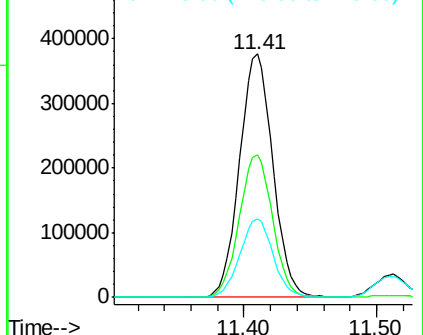
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 658045
Ion Ratio Lower Upper
117 100
82 58.5 46.9 70.3
119 32.2 25.3 37.9



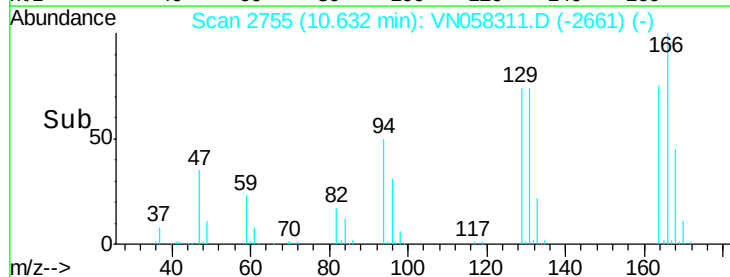
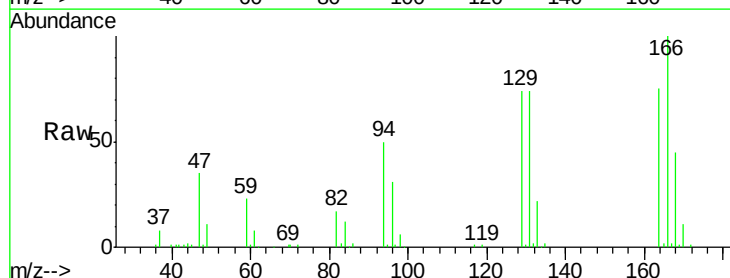
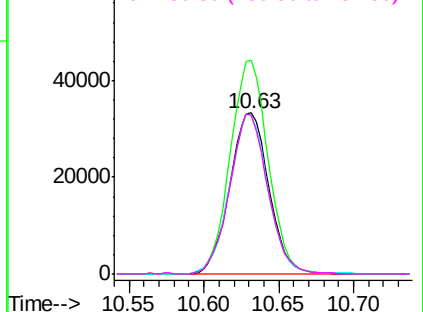
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

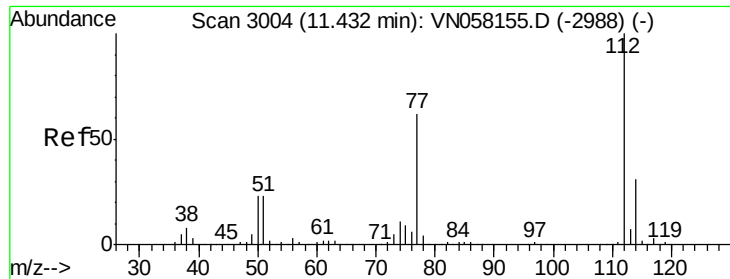


#64
Tetrachloroethene
Concen: 18.838 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion:164 Resp: 60430
Ion Ratio Lower Upper
164 100
166 132.8 102.2 153.4
129 98.3 79.6 119.4
131 98.6 76.0 114.0

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

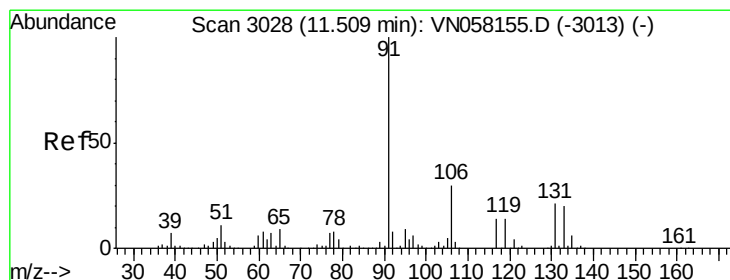
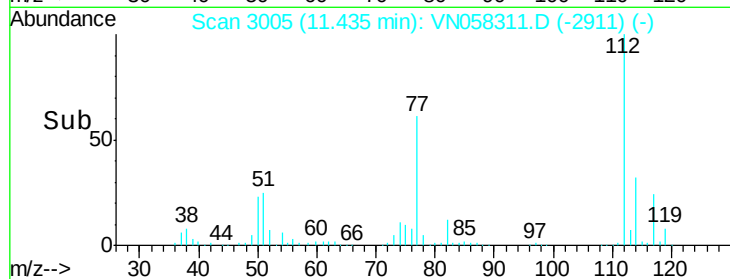
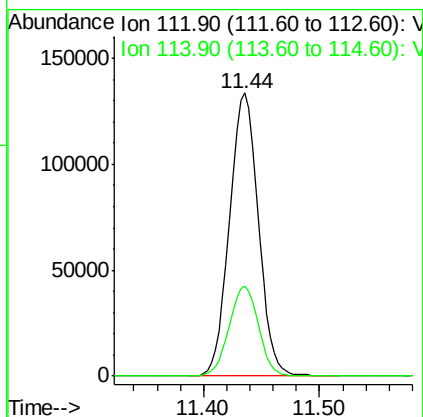
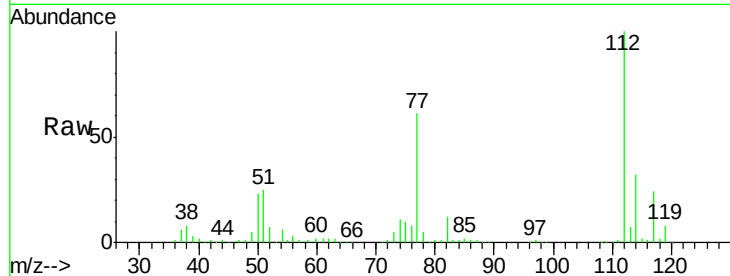




#65
Chlorobenzene
Concen: 19.824 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

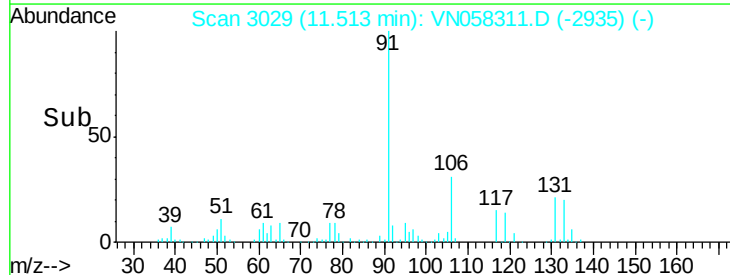
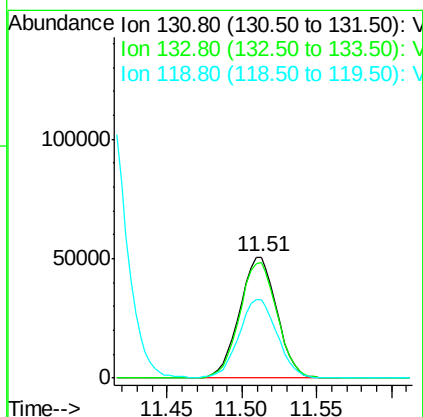
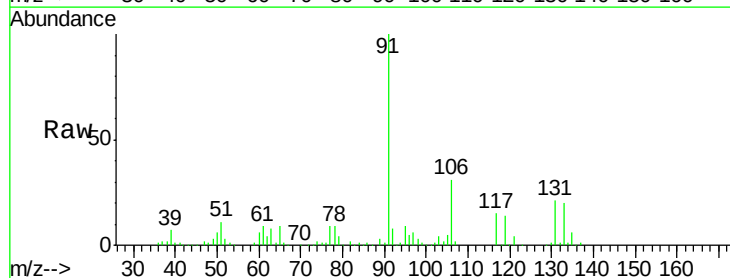
Instrument :
MSVOA_N
ClientSampled :

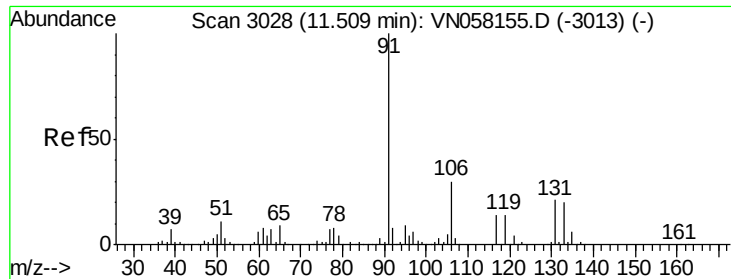
Tot Ion:112 Resp: 229459
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.015 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion:131 Resp: 88199
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 66.4 33.1 99.3

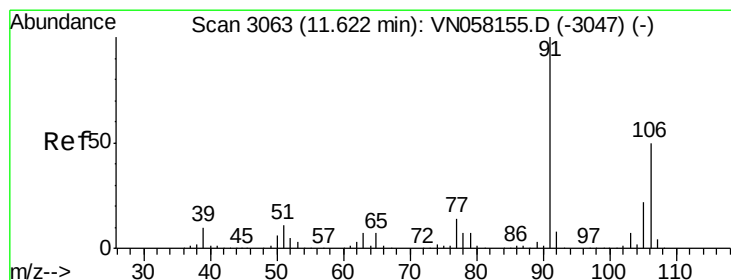
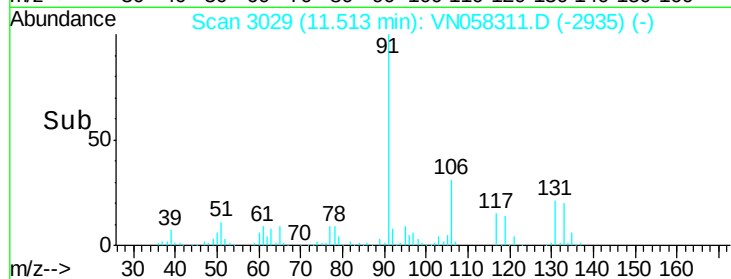
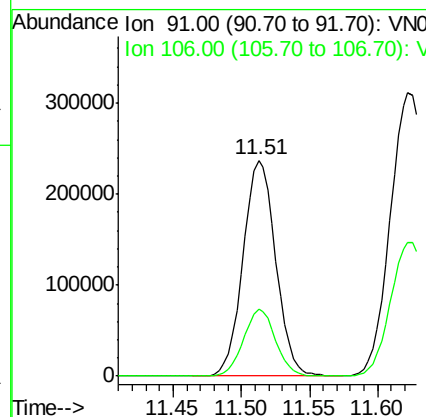
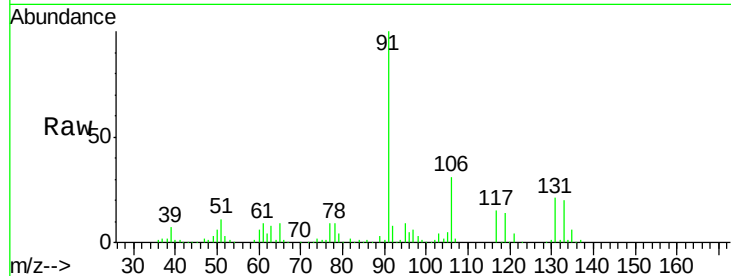




#67
Ethyl Benzene
Concen: 19.887 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

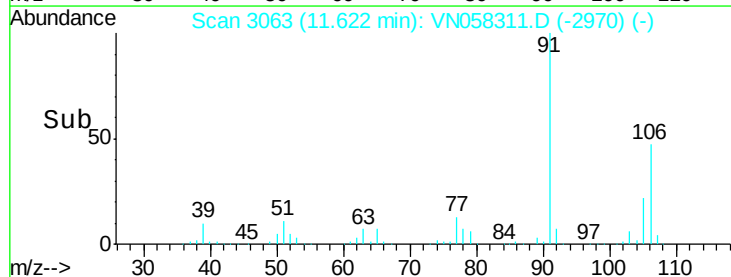
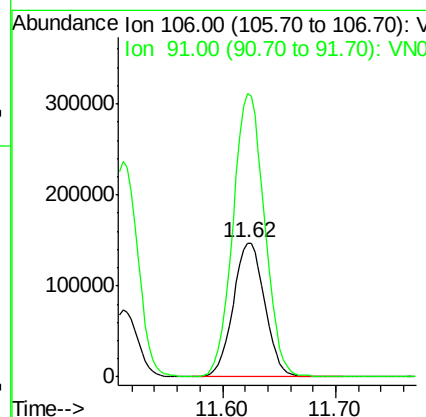
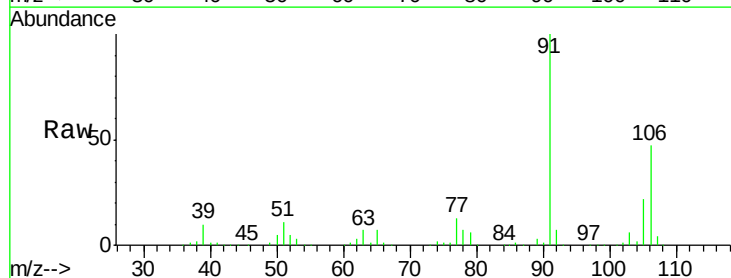
Instrument :
MSVOA_N
ClientSampleId :

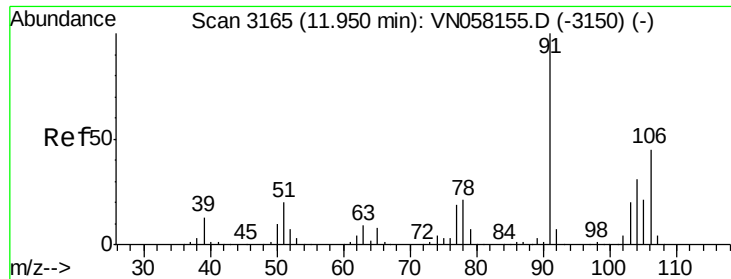
Tot Ion: 91 Resp: 394407
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0



#68
m/p-Xylenes
Concen: 38.137 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 106 Resp: 284874
Ion Ratio Lower Upper
106 100
91 211.9 163.6 245.4

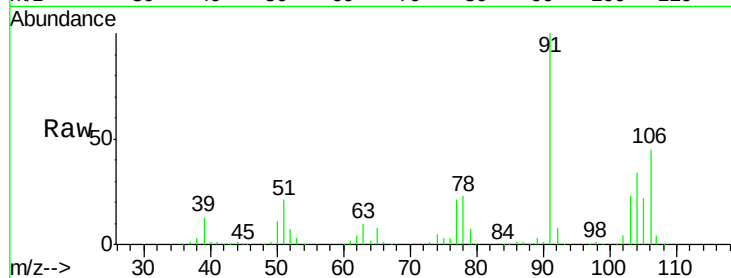




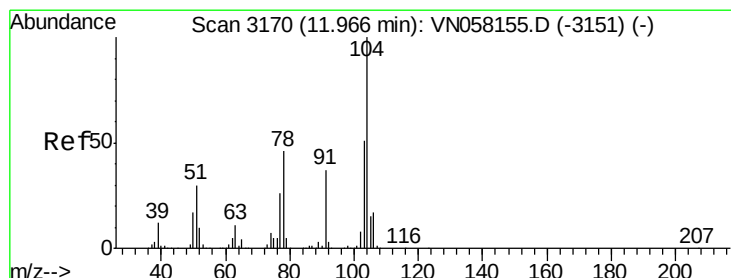
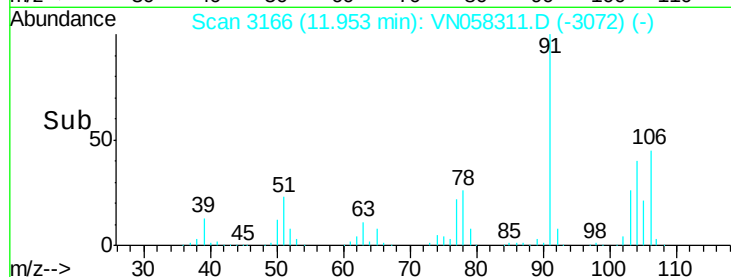
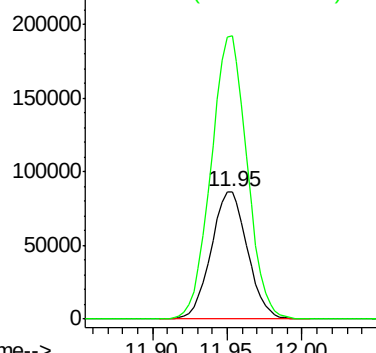
#69
o-Xylene
Concen: 19.921 ug/l
RT: 11.95 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 146318
Ion Ratio Lower Upper
106 100
91 220.2 111.8 335.3

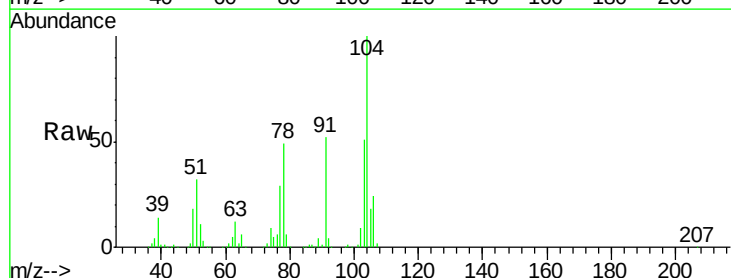


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

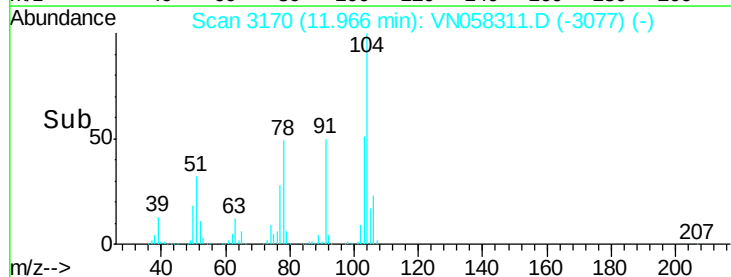
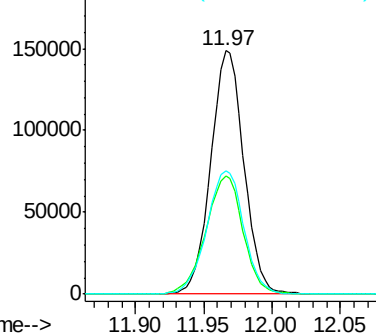


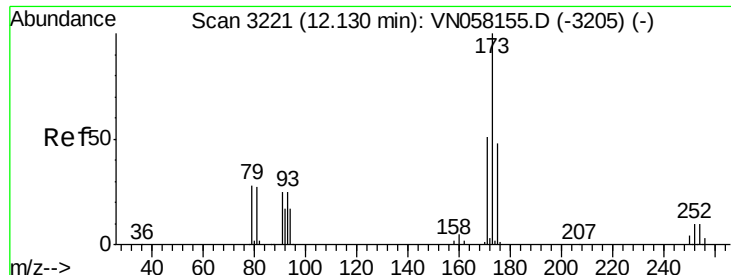
#70
Styrene
Concen: 19.828 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion:104 Resp: 250918
Ion Ratio Lower Upper
104 100
78 54.6 41.8 62.8
103 56.7 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.796 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

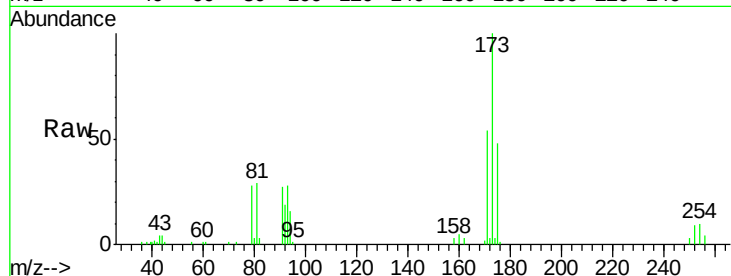
Tot Ion:173 Resp: 54317

Ion Ratio Lower Upper

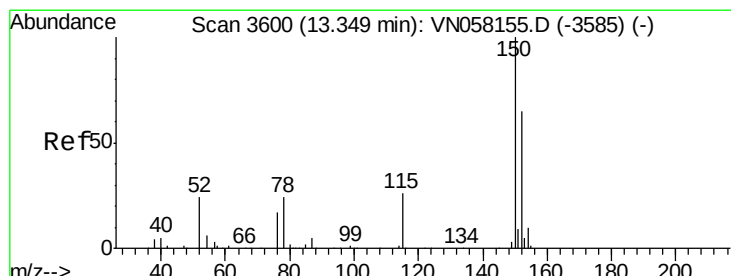
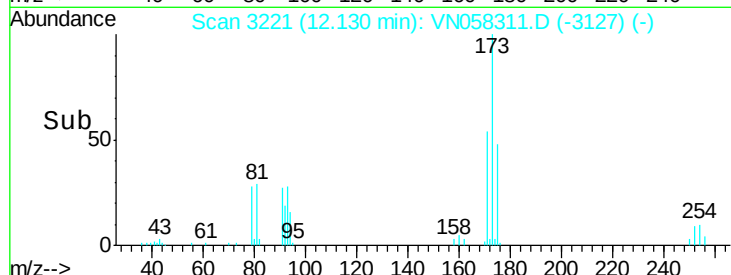
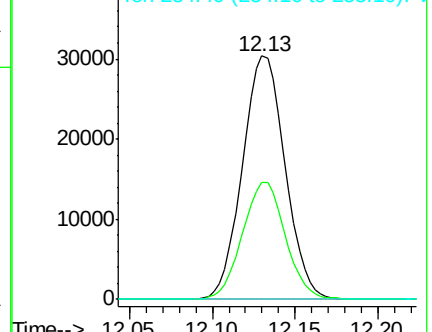
173 100

175 48.4 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# 3601

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

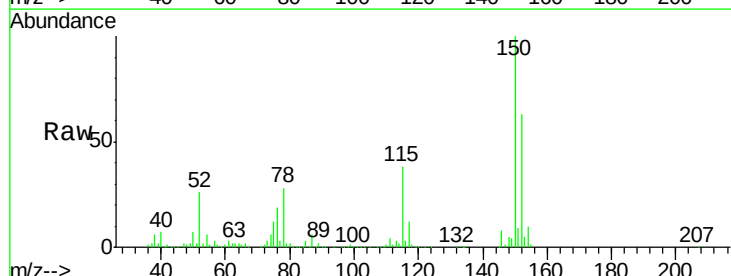
Tgt Ion:152 Resp: 308345

Ion Ratio Lower Upper

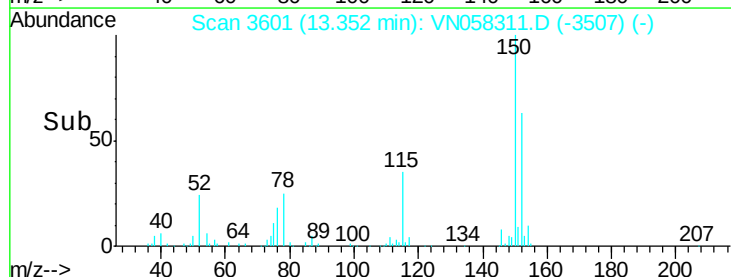
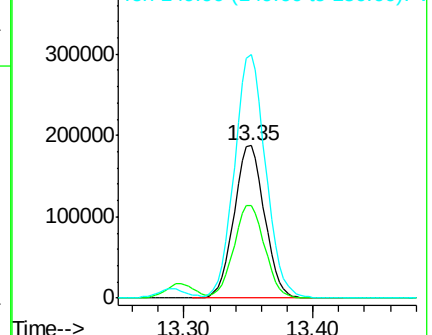
152 100

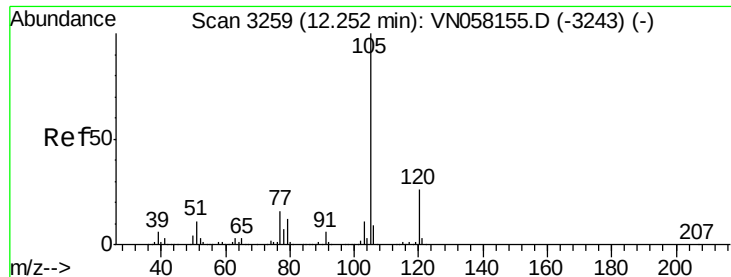
115 61.0 30.1 90.3

150 163.4 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: 21.267 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

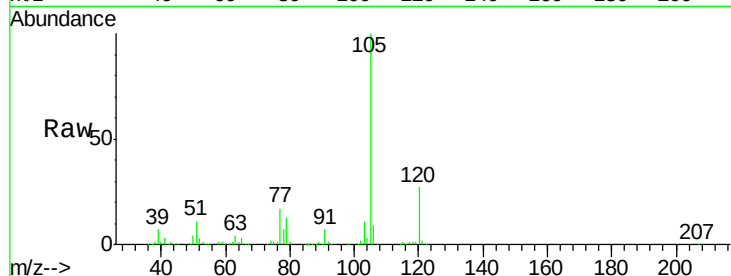
ClientSampled :

Tot Ion:105 Resp: 410461

Ion Ratio Lower Upper

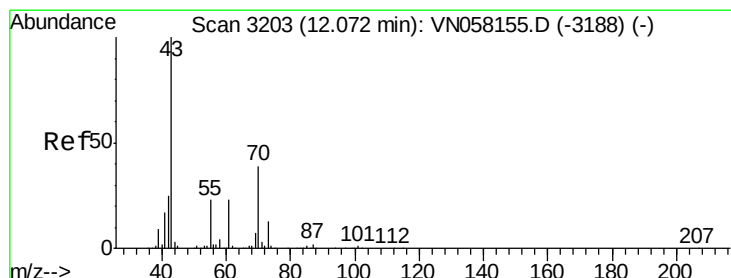
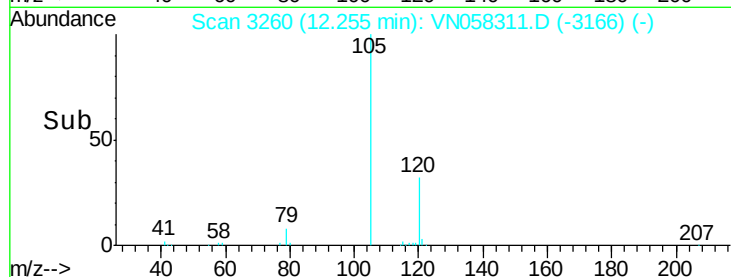
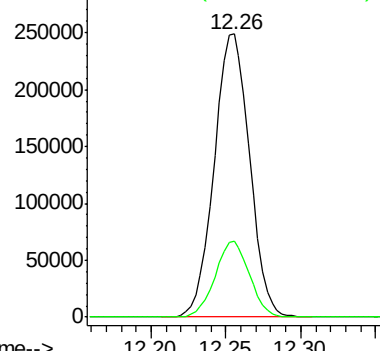
105 100

120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.803 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Tgt Ion: 43 Resp: 184112

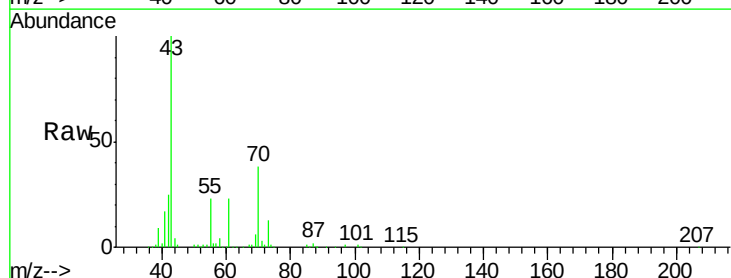
Ion Ratio Lower Upper

43 100

70 38.4 31.0 46.6

55 23.8 18.5 27.7

61 22.7 18.2 27.2

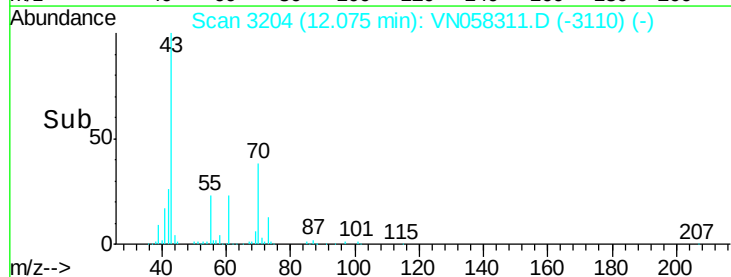
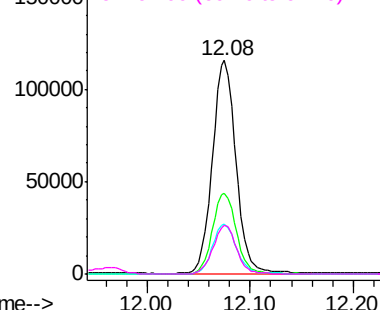


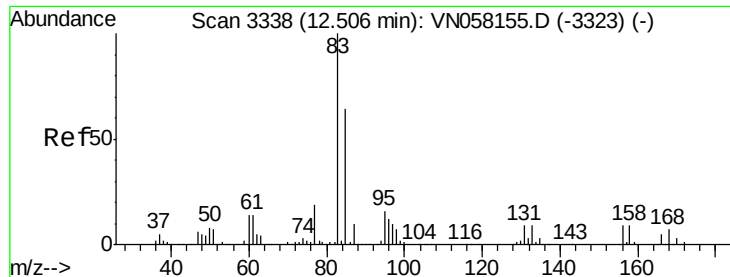
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 23.072 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

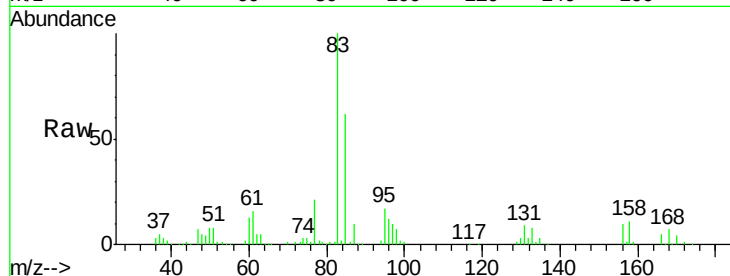
Tot Ion: 83 Resp: 149120

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

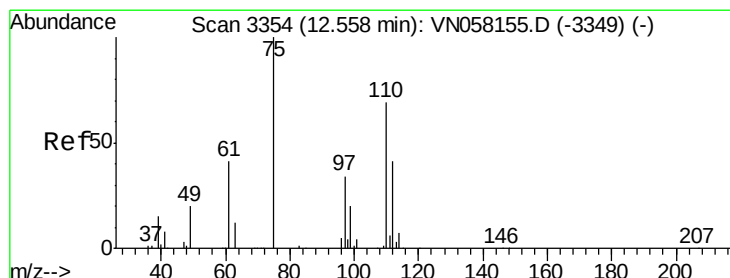
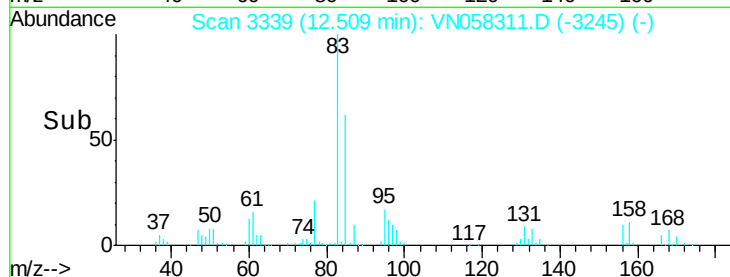
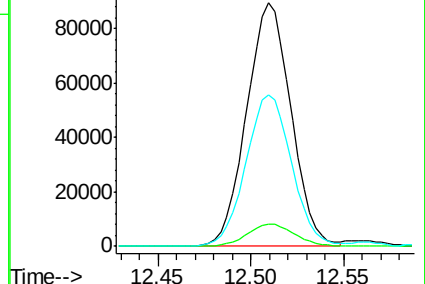
85 63.9 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.239 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058311.D

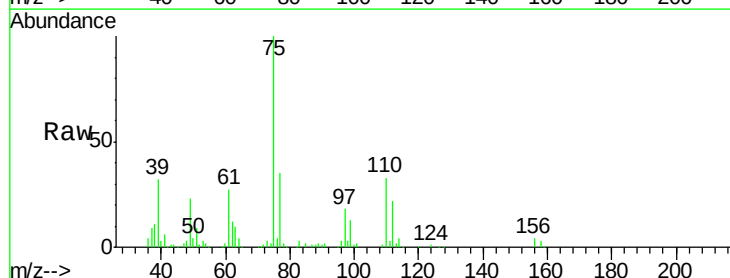
Acq: 23 Sep 2019 22:54

Tgt Ion: 75 Resp: 172390

Ion Ratio Lower Upper

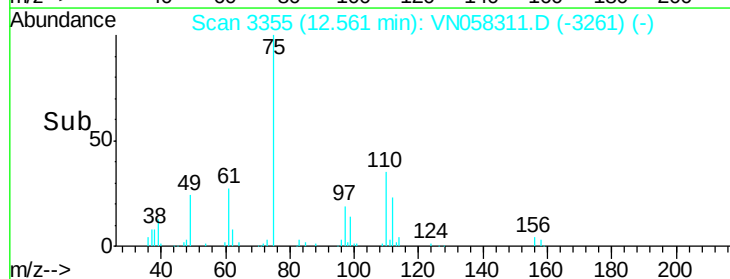
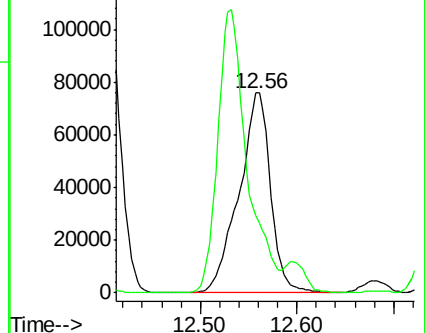
75 100

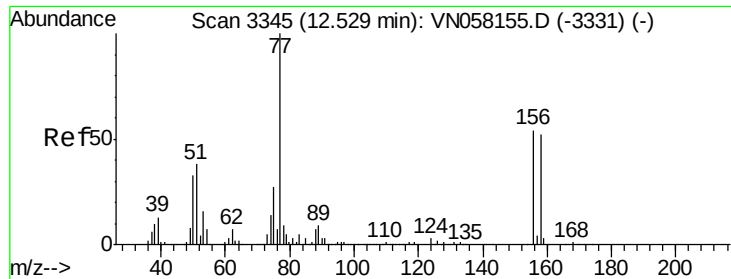
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.435 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

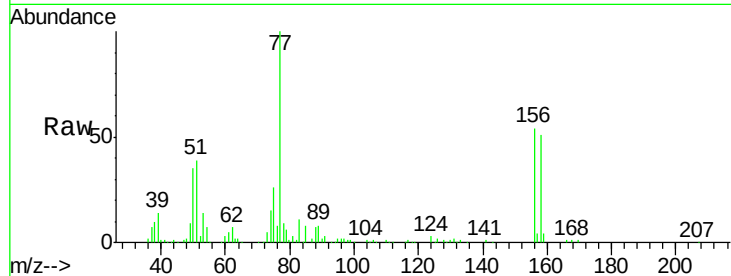
Tot Ion:156 Resp: 99211

Ion Ratio Lower Upper

156 100

77 228.7 111.7 335.1

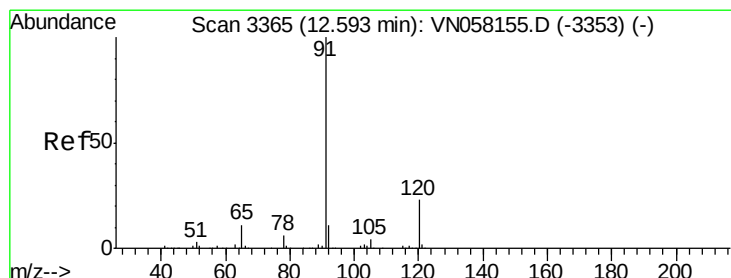
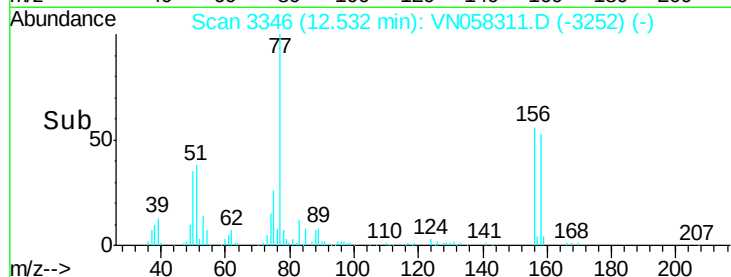
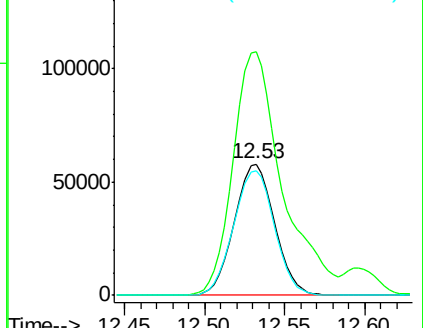
158 96.7 47.9 143.8



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



#78

n-propylbenzene

Concen: 21.761 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058311.D

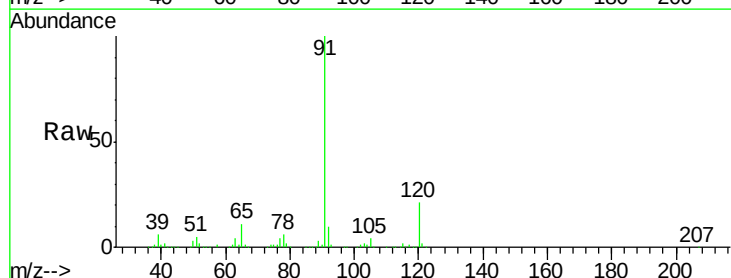
Acq: 23 Sep 2019 22:54

Tgt Ion: 91 Resp: 477270

Ion Ratio Lower Upper

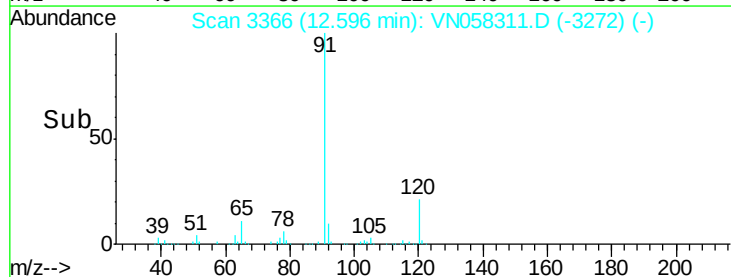
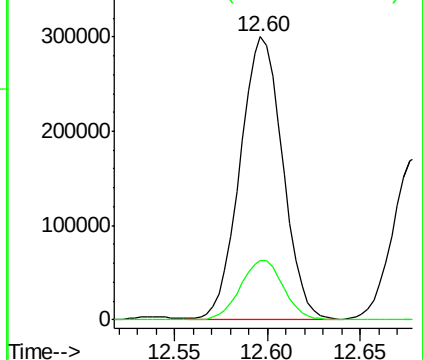
91 100

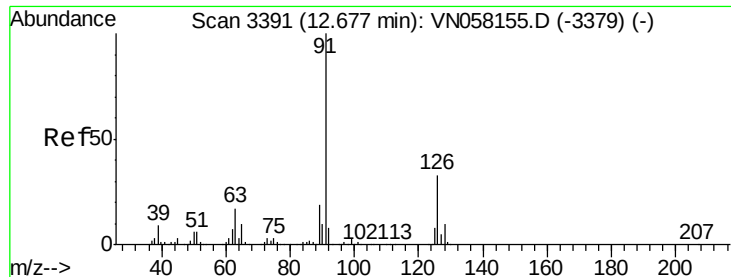
120 21.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.030 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

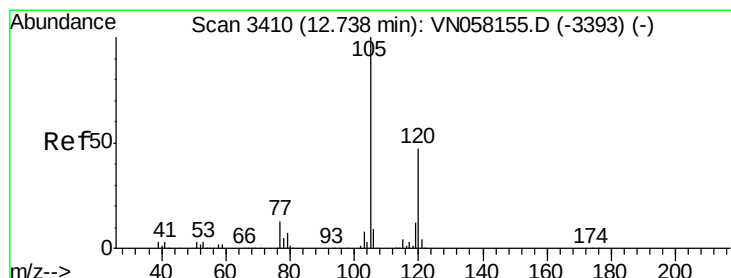
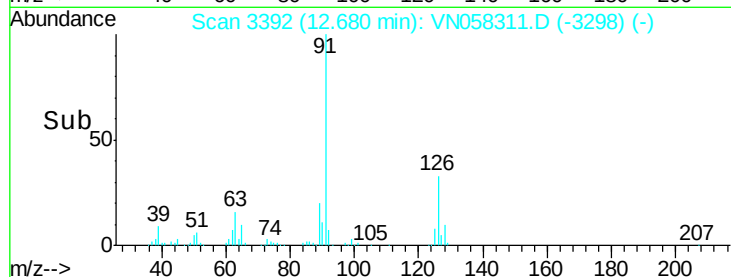
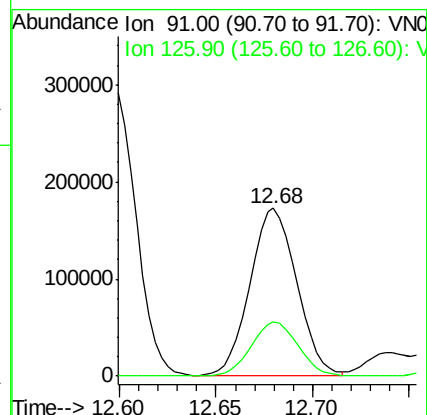
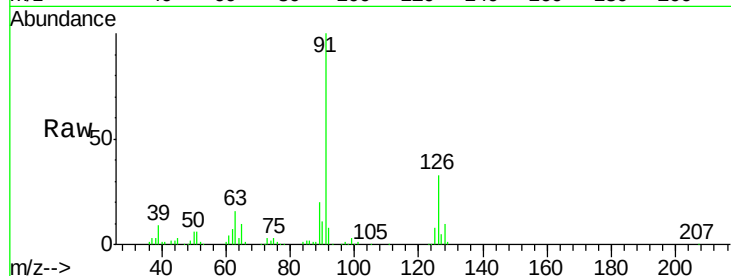
ClientSampleId :

Tot Ion: 91 Resp: 288255

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.1



#80

1,3,5-Trimethylbenzene

Concen: 21.330 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058311.D

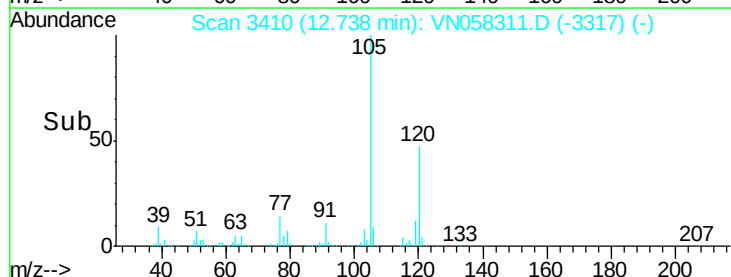
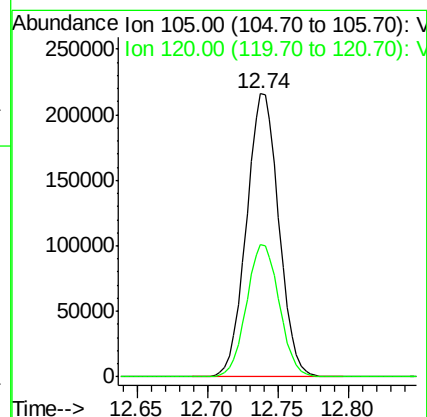
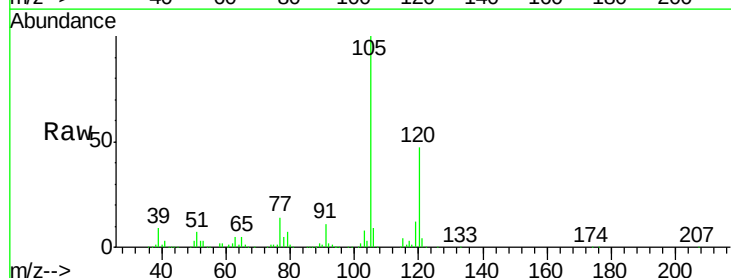
Acq: 23 Sep 2019 22:54

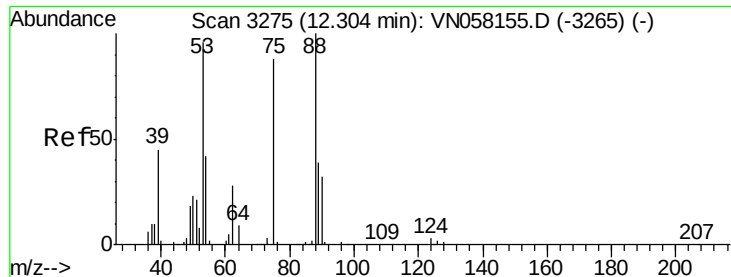
Tgt Ion: 105 Resp: 348124

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0

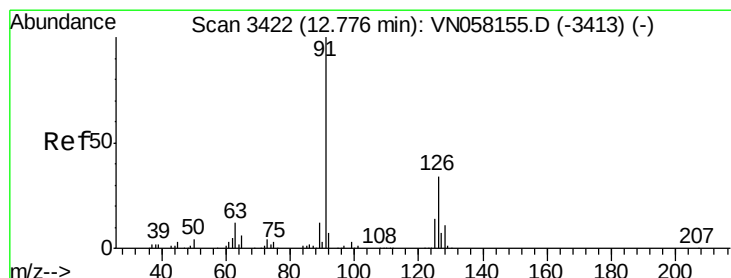
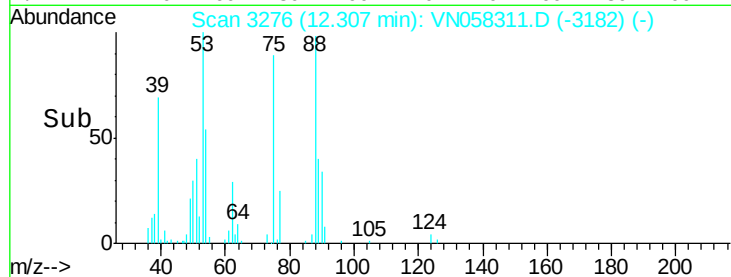
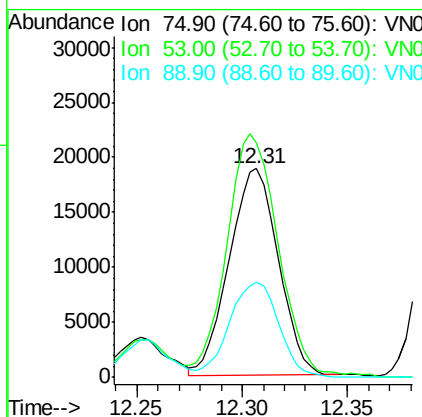
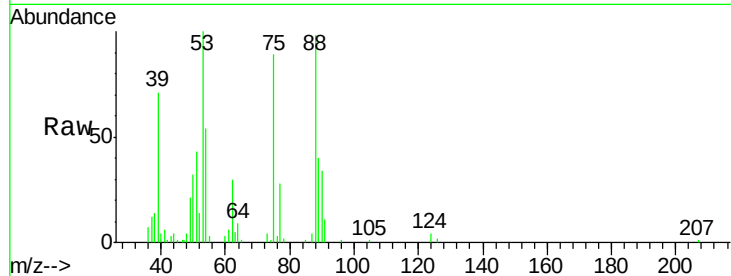




#81
trans-1,4-Dichloro-2-butene
Concen: 20.386 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

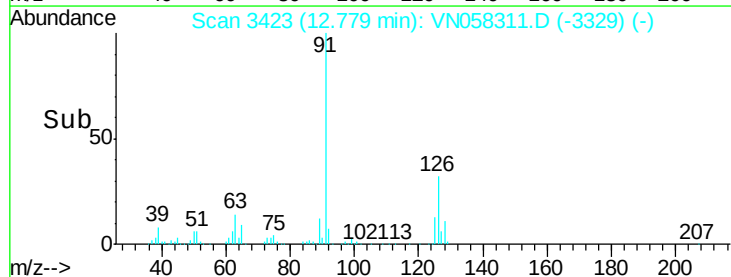
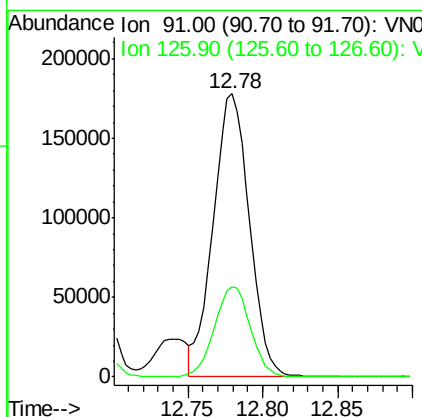
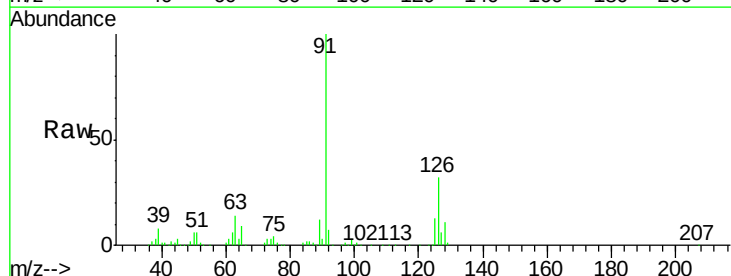
Instrument :
MSVOA_N
ClientSampled :

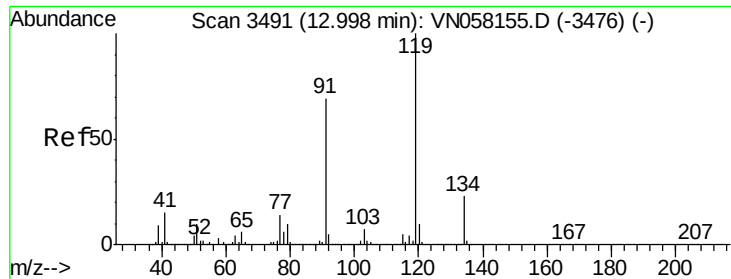
Tot Ion: 75 Resp: 30621
Ion Ratio Lower Upper
75 100
53 123.4 90.1 135.1
89 46.0 36.2 54.2



#82
4-Chlorotoluene
Concen: 20.693 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058311.D
Acq: 23 Sep 2019 22:54

Tgt Ion: 91 Resp: 298144
Ion Ratio Lower Upper
91 100
126 31.4 15.7 47.1

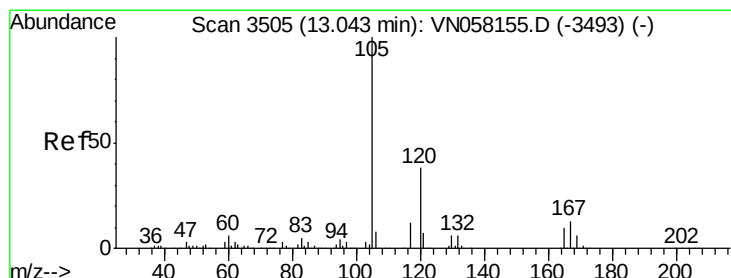
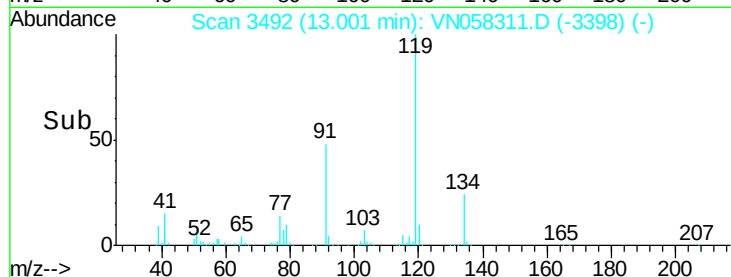
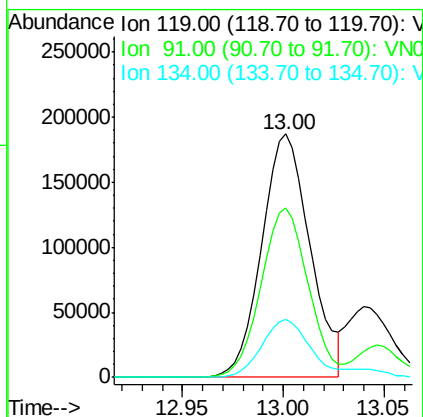
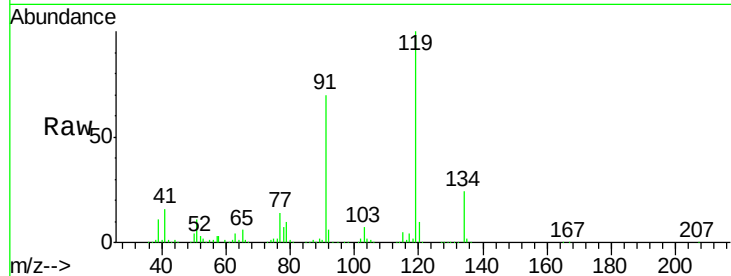




#83
 tert-Butylbenzene
 Concen: 21.421 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

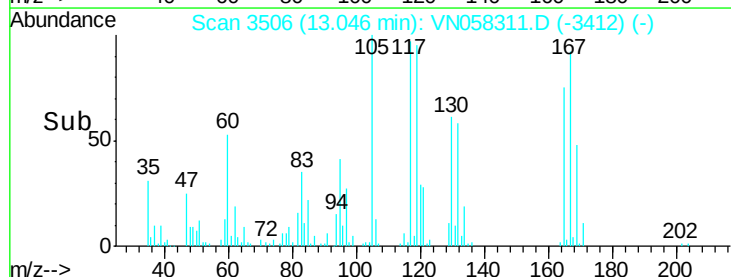
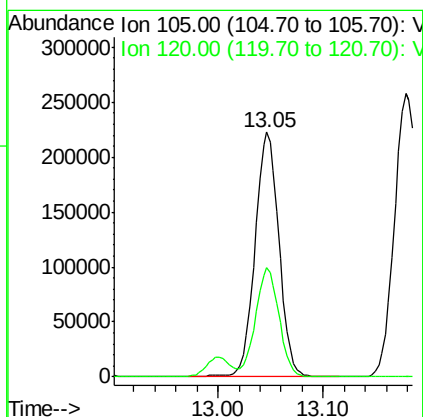
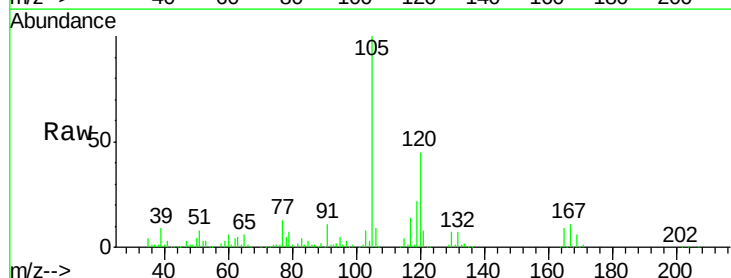
Instrument :
 MSVOA_N
 ClientSampleId :

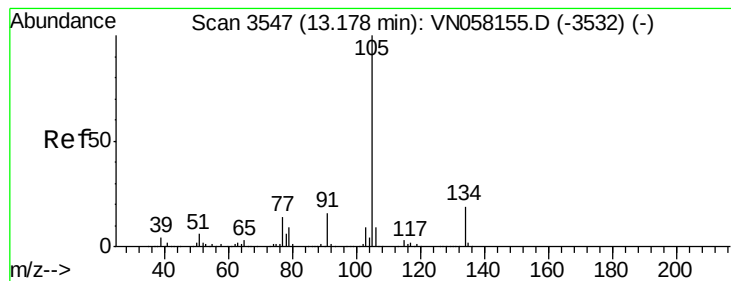
Tot Ion:119 Resp: 311775
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.8 101.3
 134 23.2 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.742 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion:105 Resp: 353131
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 21.665 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

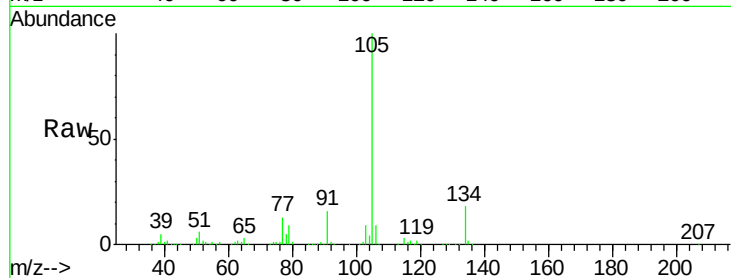
ClientSampleId :

Tot Ion:105 Resp: 412349

Ion Ratio Lower Upper

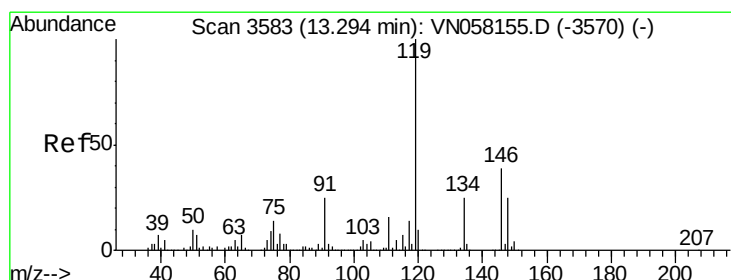
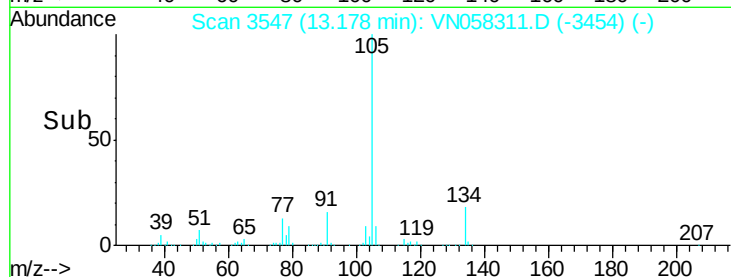
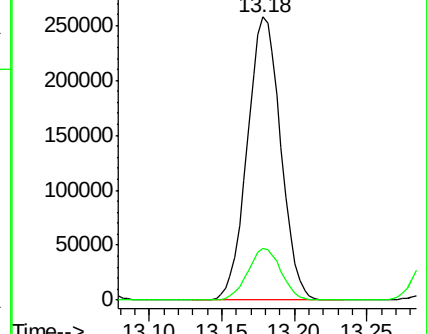
105 100

134 18.3 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.152 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

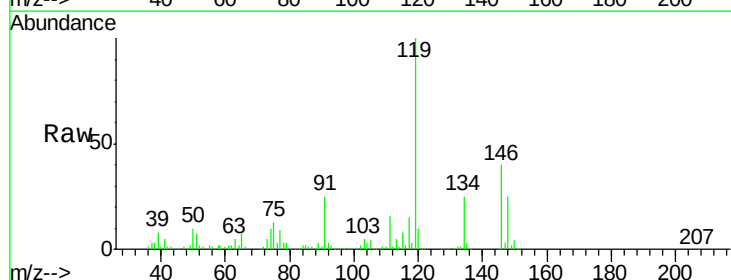
Tgt Ion:119 Resp: 357904

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.0

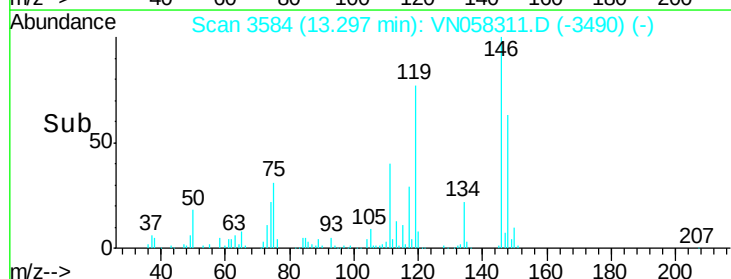
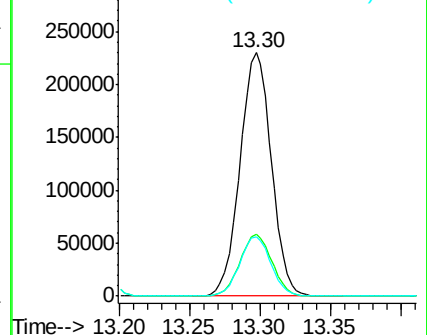
91 24.4 12.3 36.8

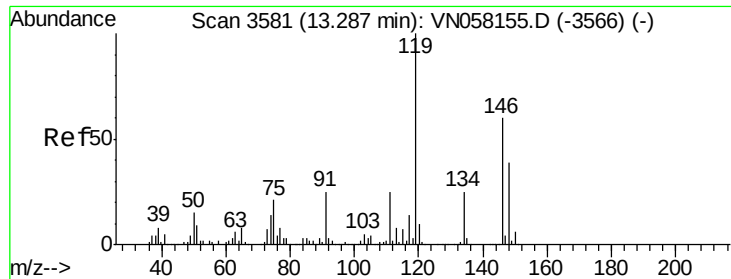


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

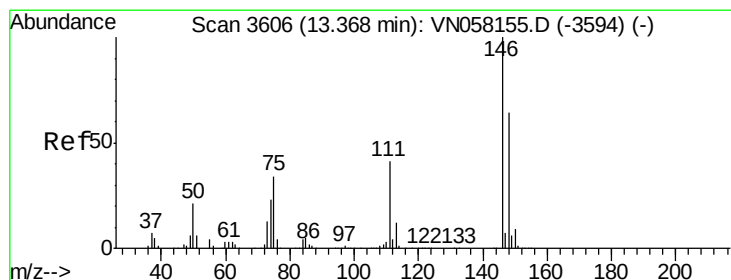
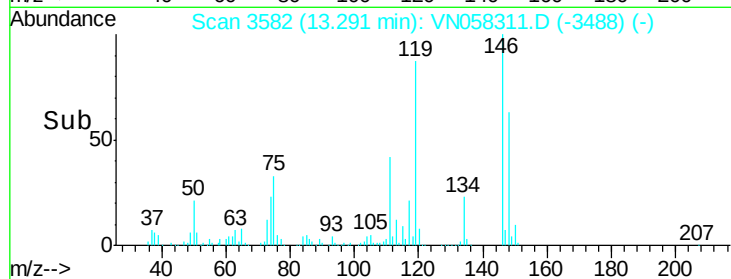
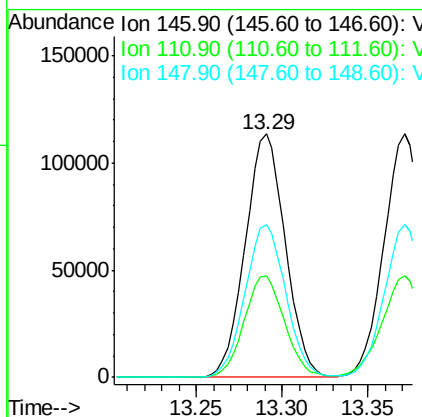
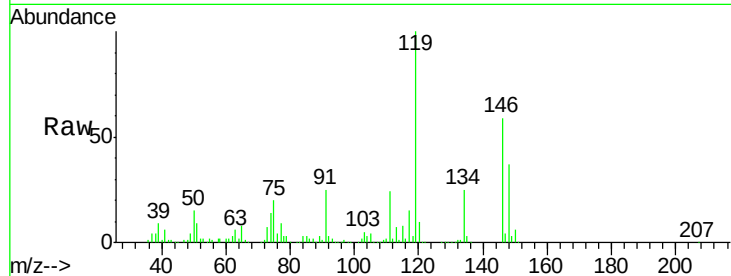




#87
 1,3-Dichlorobenzene
 Concen: 20.719 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

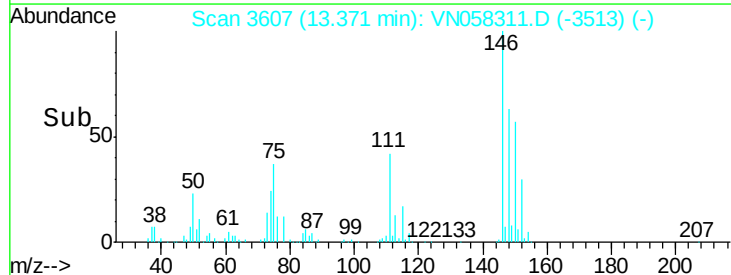
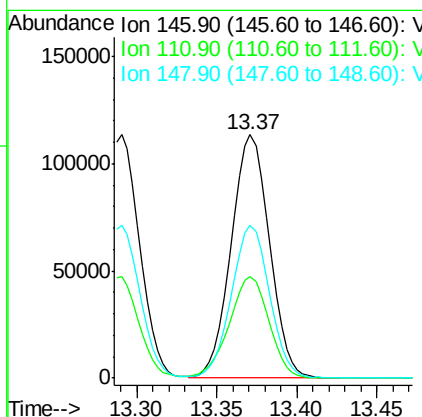
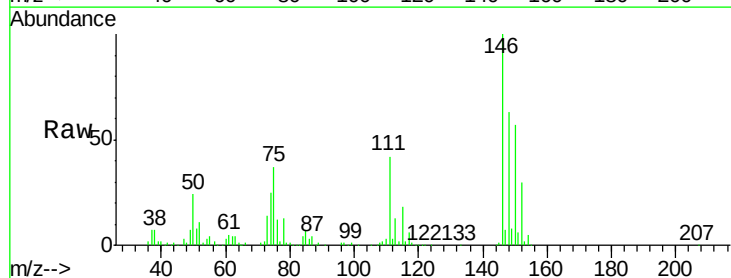
Instrument :
 MSVOA_N
 ClientSampleId :

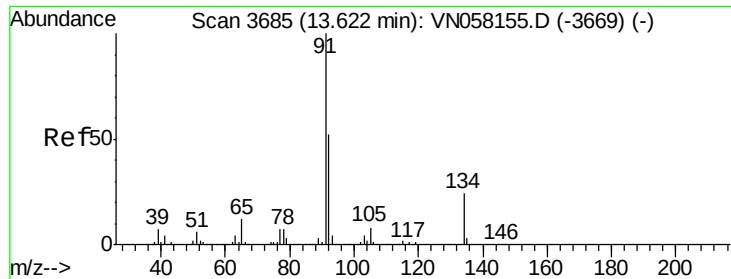
Tot Ion:146 Resp: 183720
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.9 62.8
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.315 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion:146 Resp: 183905
 Ion Ratio Lower Upper
 146 100
 111 43.7 20.5 61.5
 148 62.5 31.9 95.5





#89

n-Butylbenzene

Concen: 19.563 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

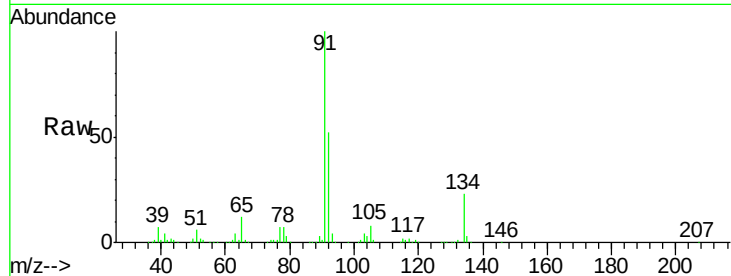
Tot Ion: 91 Resp: 313831

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.0

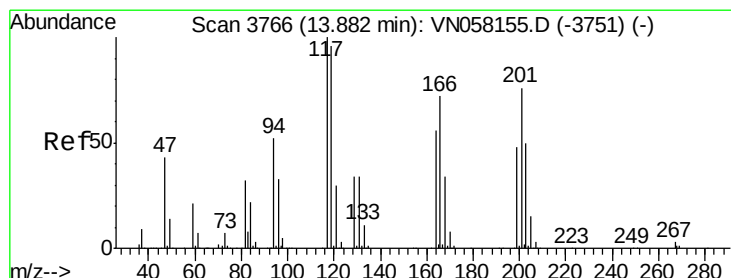
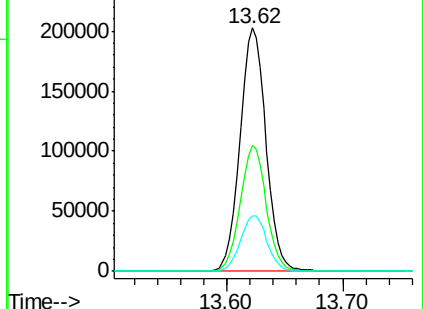
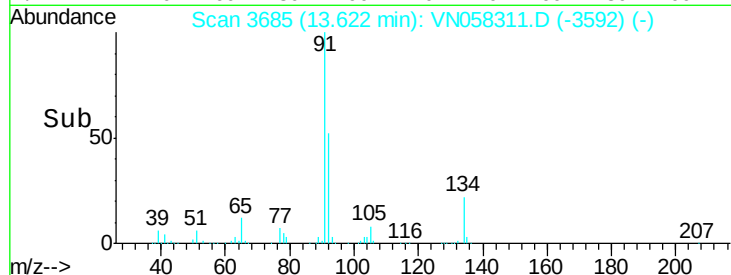
134 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN058311.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN058311.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN058311.D (-3669) (-)



#90

Hexachloroethane

Concen: 20.868 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058311.D

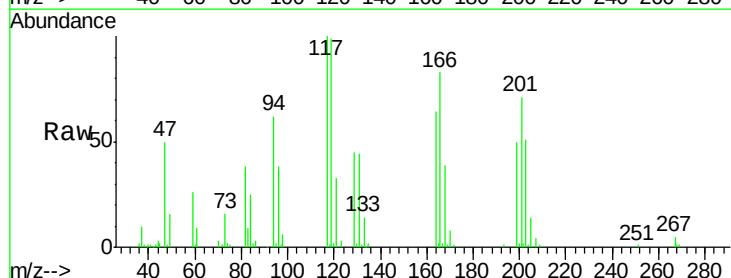
Acq: 23 Sep 2019 22:54

Tgt Ion: 117 Resp: 56744

Ion Ratio Lower Upper

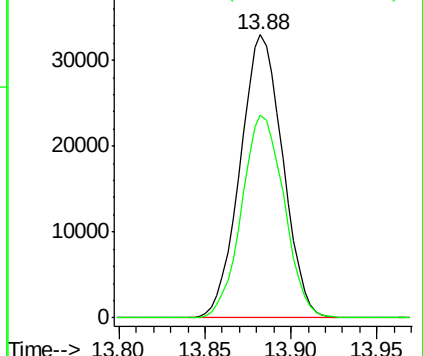
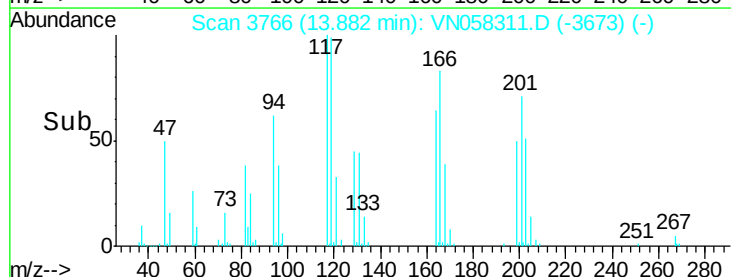
117 100

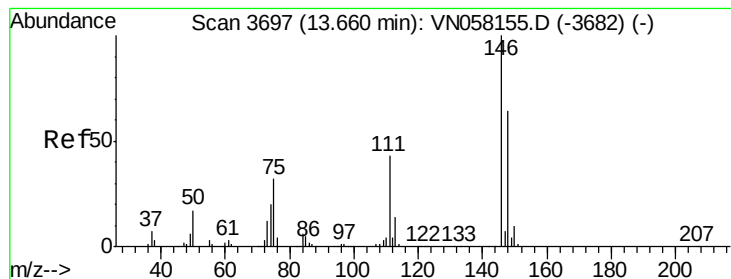
201 71.3 37.5 112.5



Abundance Ion 116.80 (116.50 to 117.50): VN058311.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN058311.D (-3751) (-)





#91

1,2-Dichlorobenzene

Concen: 21.221 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampled :

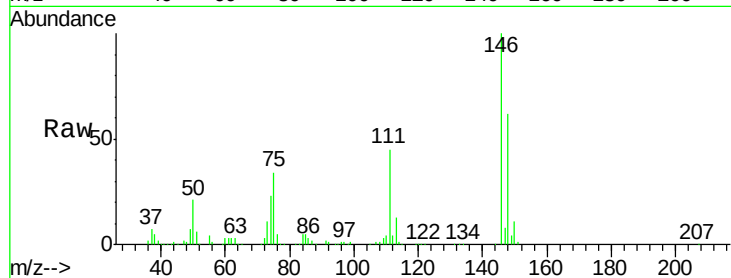
Tot Ion:146 Resp: 188759

Ion Ratio Lower Upper

146 100

111 44.9 21.1 63.1

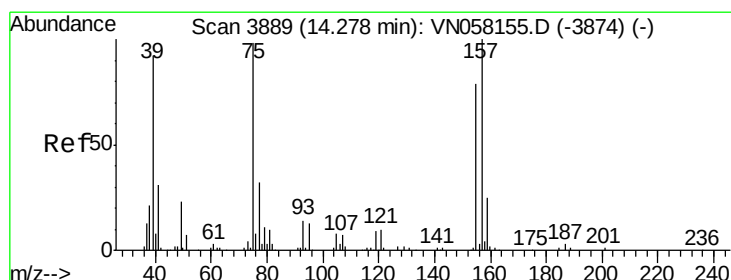
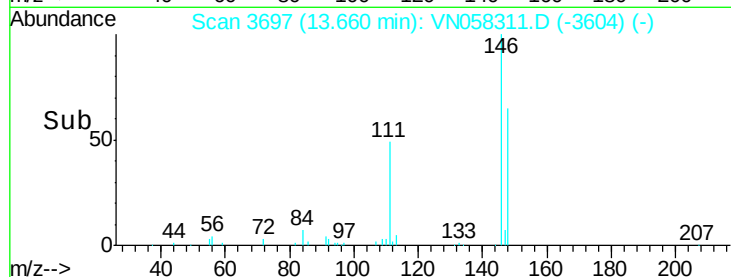
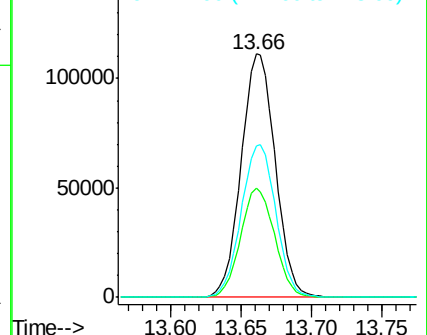
148 63.8 31.8 95.4



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.876 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

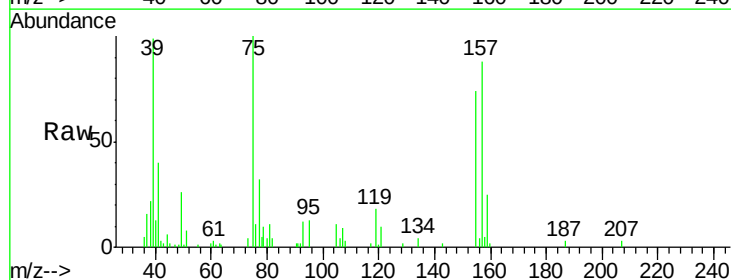
Tgt Ion: 75 Resp: 25455

Ion Ratio Lower Upper

75 100

155 74.0 38.3 114.8

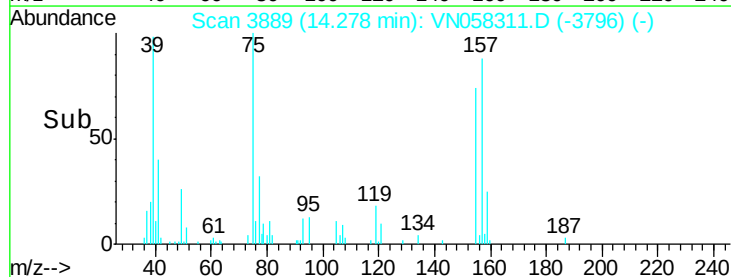
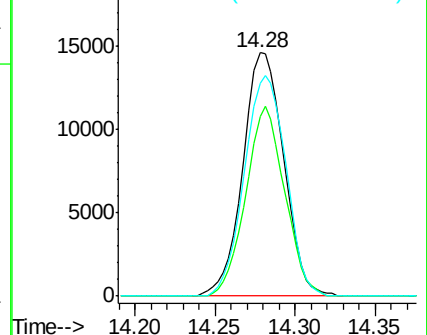
157 92.0 48.0 144.0

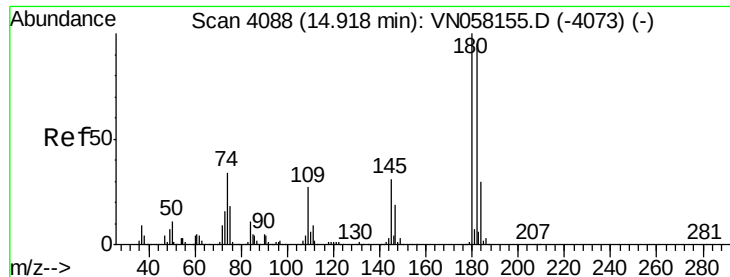


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

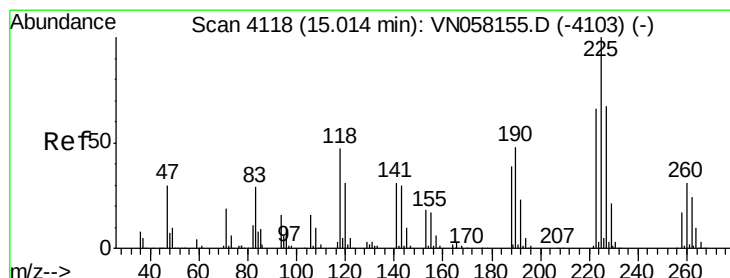
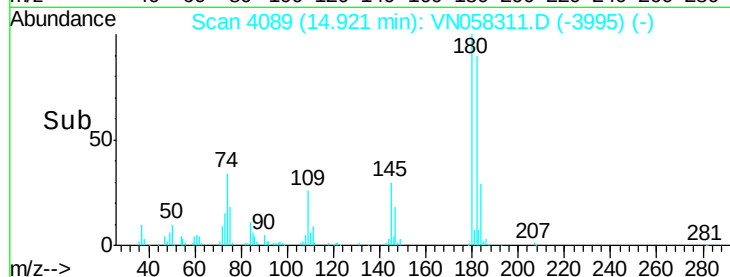
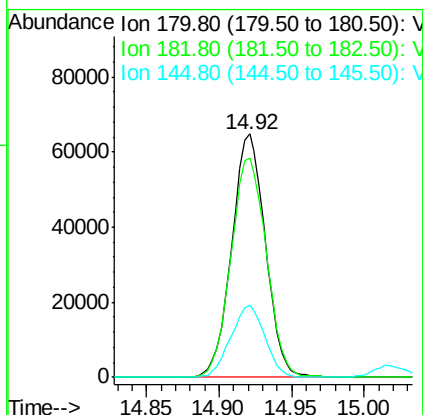
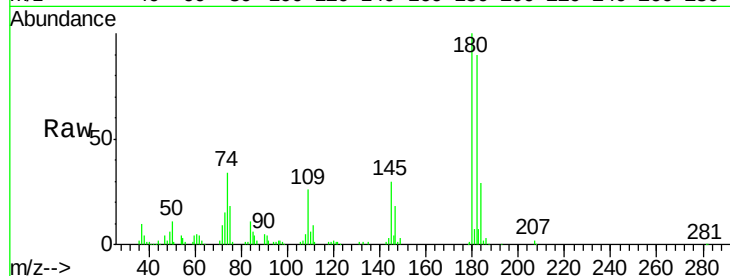




#93
 1,2,4-Trichlorobenzene
 Concen: 18.368 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

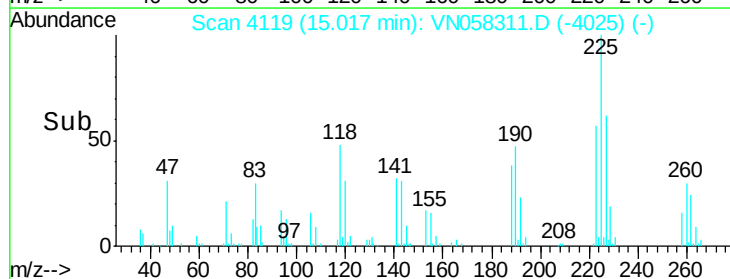
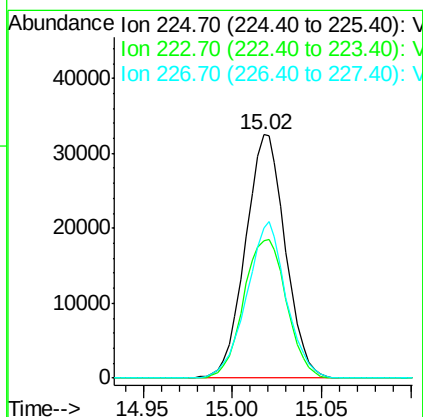
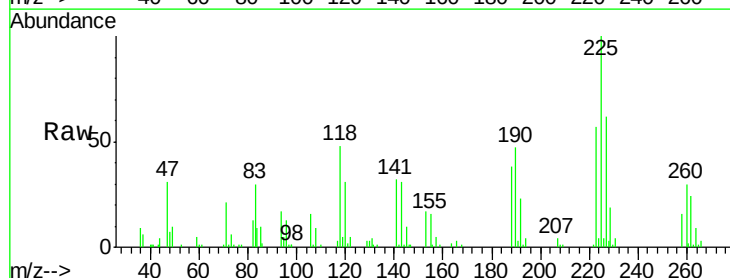
Instrument :
 MSVOA_N
 ClientSampleId :

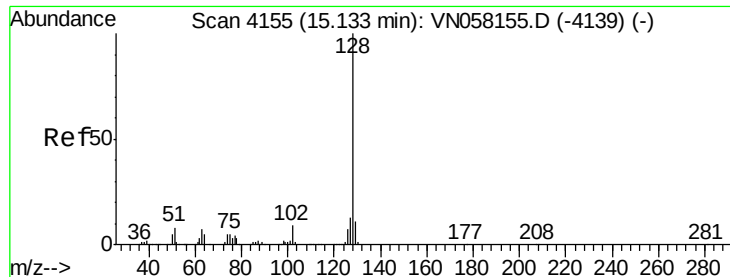
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.8	143.3
145	30.0	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 18.513 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058311.D
 Acq: 23 Sep 2019 22:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	32.6	97.7
227	63.5	33.0	99.0





#95

Naphthalene

Concen: 20.150 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

Instrument :

MSVOA_N

ClientSampleId :

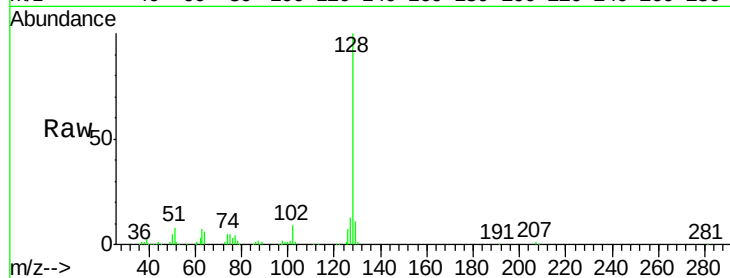
Tot Ion:128 Resp: 296772

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

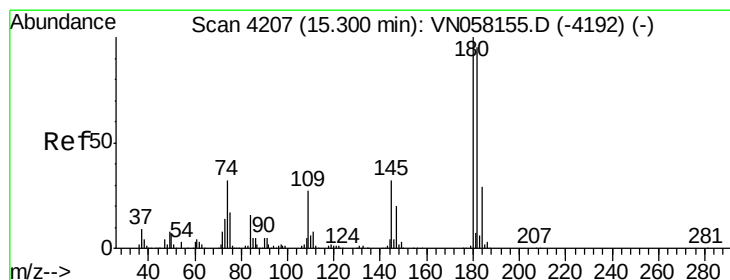
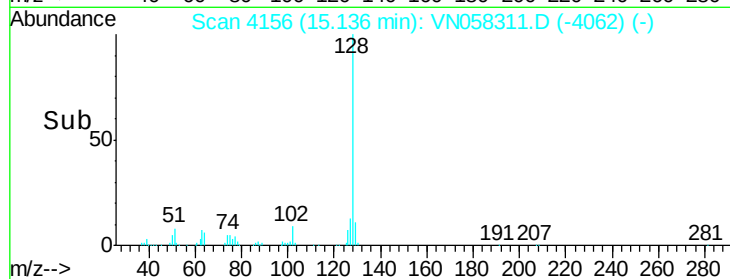
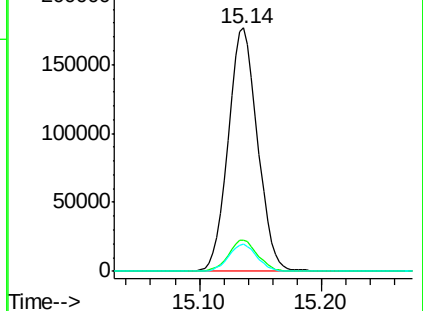
129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.812 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058311.D

Acq: 23 Sep 2019 22:54

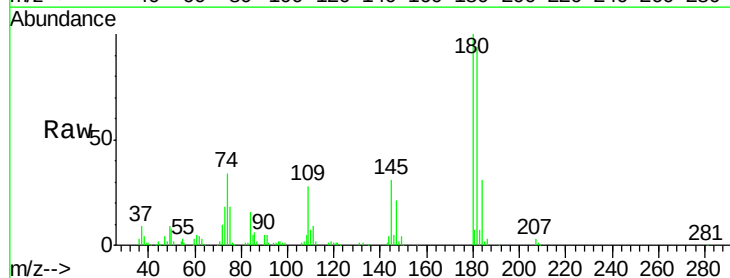
Tgt Ion:180 Resp: 101052

Ion Ratio Lower Upper

180 100

182 95.0 47.4 142.2

145 31.7 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

