

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101219\
 Data File : VN058692.D
 Acq On : 11 Oct 2019 10:47
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 17:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	71153	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	402209	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	364126	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	187273	31.01	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.37%
60) 4-Bromofluorobenzene	12.40	95	190315	29.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.60%
63) Toluene-d8	10.08	98	520778	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	86981	22.562 ug/l	98
3) Chloromethane	2.04	50	109607	21.284 ug/l	100
4) Vinyl Chloride	2.17	62	112166	21.075 ug/l	100
5) Bromomethane	2.55	94	70960	21.594 ug/l	99
6) Chloroethane	2.69	64	70480	21.067 ug/l	95
7) Trichlorofluoromethane	3.00	101	142515	21.755 ug/l	99
8) Diethyl Ether	3.39	74	52036	20.827 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83032	21.905 ug/l	98
10) 1,1-Dichloroethene	3.72	96	77674	20.864 ug/l	98
11) Methyl Iodide	3.93	142	108034	20.837 ug/l	98
12) Methyl Acetate	4.30	43	123336	20.707 ug/l	99
13) Acrolein	3.58	56	61384	93.271 ug/l	97
14) Acrylonitrile	4.96	53	249919	106.487 ug/l	99
15) Acetone	3.79	58	74647	107.150 ug/l	92
16) Carbon Disulfide	4.03	76	225480	20.765 ug/l	98
17) Allyl chloride	4.30	41	157114	21.203 ug/l	98
18) Methylene Chloride	4.53	84	94330	20.924 ug/l	99
19) trans-1,2-Dichloroethene	5.01	96	85585	21.117 ug/l	94
20) Diisopropyl ether	5.93	45	317813	21.051 ug/l	97
21) 1,1-Dichloroethane	5.83	63	180478	21.588 ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	101047	20.911 ug/l	97
23) tert-Butyl Alcohol	4.75	59	97632	101.704 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	294757	21.223 ug/l	99
25) Chloroform	7.36	83	177301	21.265 ug/l	94
26) Cyclohexane	7.63	56	153886	20.972 ug/l	99
29) 1,1-Dichloropropene	7.78	75	131869	20.828 ug/l	99
30) 2-Butanone	6.81	43	364882	101.984 ug/l	100
31) 2,2-Dichloropropane	6.80	77	157682	21.130 ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	155597	21.248 ug/l	100
33) Carbon Tetrachloride	7.76	117	134069	21.152 ug/l	98
34) Benzene	8.02	78	386466	20.734 ug/l	98
35) Methacrylonitrile	7.15	41	61613	19.494 ug/l	88
36) 1,2-Dichloroethane	8.11	62	153044	21.475 ug/l	100
37) Trichloroethene	8.82	130	97122	21.209 ug/l	98
38) Methylcyclohexane	9.07	83	148217	20.191 ug/l	98
39) 1,2-Dichloropropane	9.11	63	107114	21.028 ug/l	95
40) Dibromomethane	9.20	93	66553	20.696 ug/l	97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	136314	20.750	ug/l	98
42) Vinyl Acetate	5.87	43	1356871	108.286	ug/l	100
43) Ethyl Acetate	6.90	43	148839	21.195	ug/l	98
44) Isopropyl Acetate	8.15	43	232471	20.437	ug/l	97
45) 1,4-Dioxane	9.19	88	33678	385.575	ug/l	99
46) Methyl methacrylate	9.19	41	107381	20.563	ug/l	98
47) n-amyl Acetate	12.07	43	200242	19.858	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	154409	20.266	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	168638	21.078	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	97243	21.183	ug/l	98
51) Ethyl methacrylate	10.43	69	147103	20.040	ug/l	99
52) 1,3-Dichloropropane	10.71	76	168318	20.589	ug/l	98
53) Dibromochloromethane	10.90	129	102272	20.759	ug/l	98
54) 1,2-Dibromoethane	11.00	107	97539	20.499	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	375560	102.855	ug/l	100
56) Bromoform	12.13	173	68936	20.087	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	731253	110.085	ug/l	100
59) 2-Hexanone	10.75	43	547404	105.116	ug/l	100
61) Tetrachloroethene	10.63	164	84675	21.520	ug/l	98
62) Toluene	10.15	91	413048	21.088	ug/l	98
64) Chlorobenzene	11.43	112	250468	20.916	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	94445	21.034	ug/l	99
66) Ethyl Benzene	11.51	91	452437	20.861	ug/l	99
67) m/p-Xylenes	11.62	106	338310	41.753	ug/l	99
68) o-Xylene	11.95	106	162526	20.691	ug/l	99
69) Styrene	11.97	104	263018	20.268	ug/l	99
70) Isopropylbenzene	12.25	105	445575	21.010	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	149447	20.932	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	199154	30.784	ug/l	60
73) Bromobenzene	12.53	156	104367	20.261	ug/l	96
74) n-propylbenzene	12.59	91	527812	21.263	ug/l	100
75) 2-Chlorotoluene	12.68	91	315126	21.099	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	378902	20.860	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	47217	19.159	ug/l	98
78) 4-Chlorotoluene	12.78	91	319631	20.764	ug/l	99
79) tert-butylbenzene	13.00	119	322752	20.798	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	380057	21.057	ug/l	100
81) sec-Butylbenzene	13.18	105	433695	20.766	ug/l	99
82) p-Isopropyltoluene	13.29	119	391713	20.887	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	192765	20.680	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	186685	20.051	ug/l	98
85) n-Butylbenzene	13.62	91	352121	20.508	ug/l	99
86) Hexachloroethane	13.88	117	67303	19.720	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	188224	20.455	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.28	75	33197	20.890	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	116004	19.965	ug/l	99
90) Hexachlorobutadiene	15.01	225	61210	20.401	ug/l	98
91) Naphthalene	15.13	128	346153	20.178	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	113846	20.128	ug/l	99

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QLast Update : Fri Oct 11 04:26:47 2019
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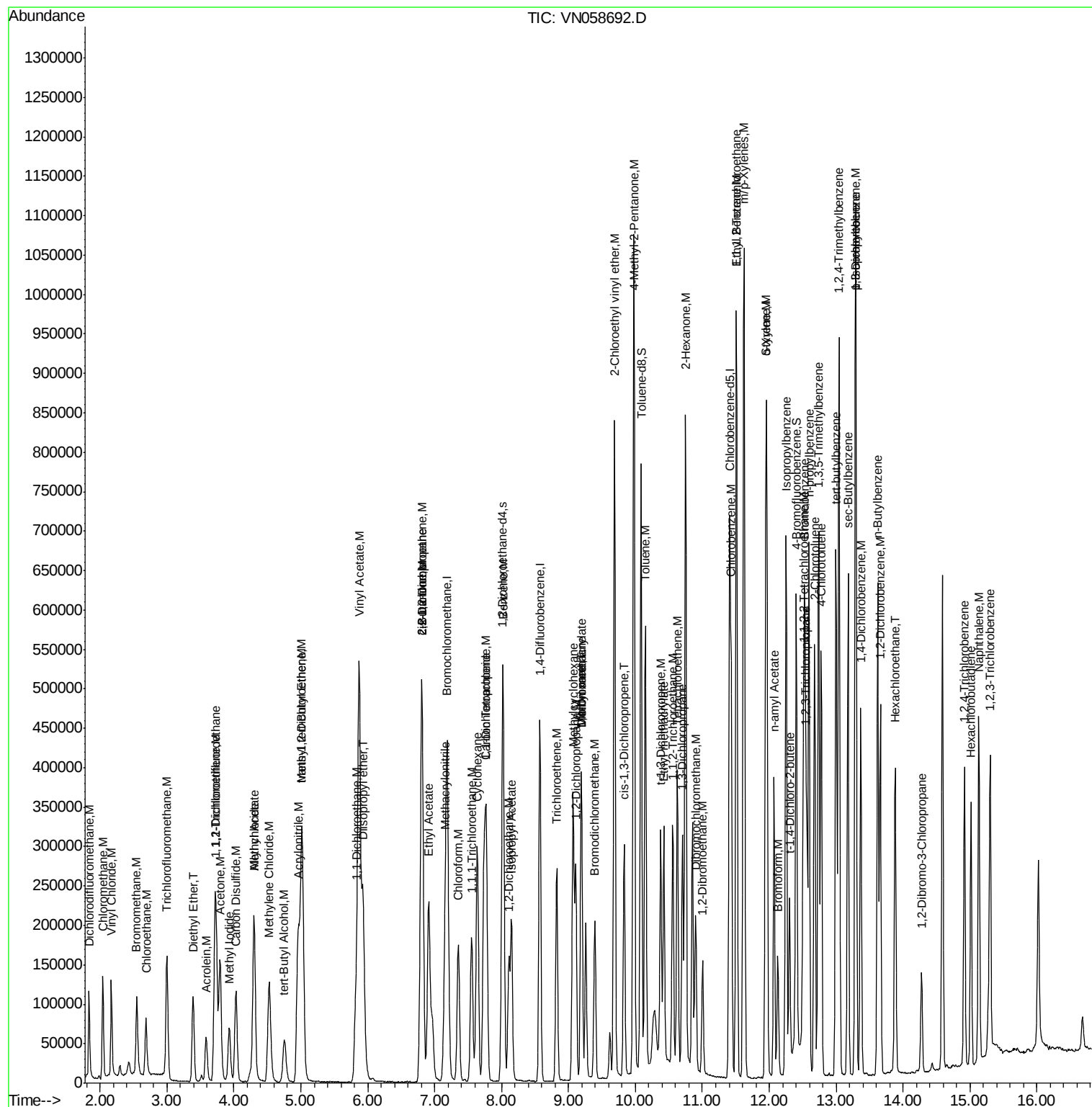
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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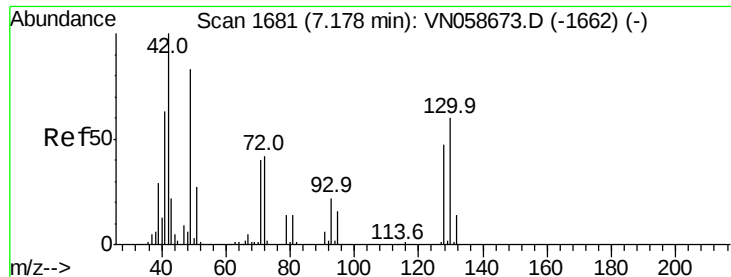
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101219\
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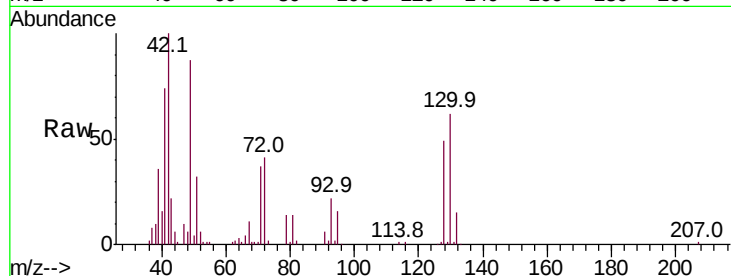




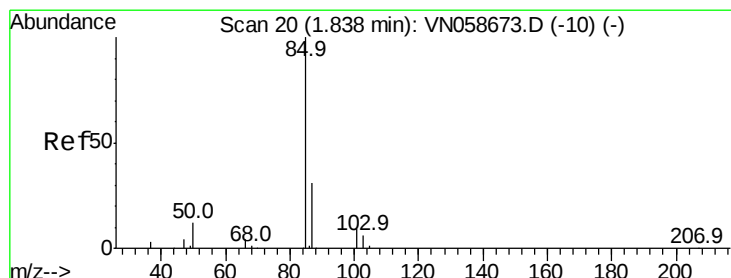
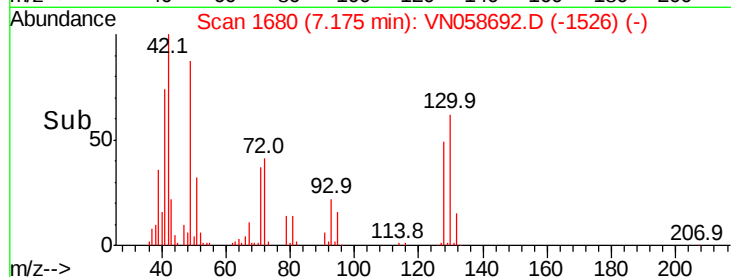
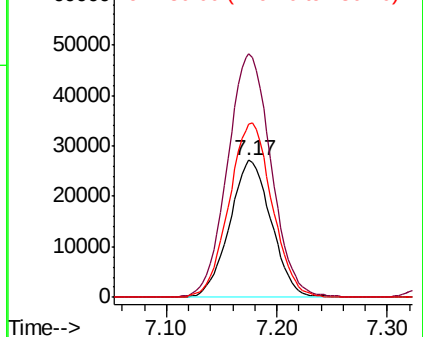
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 71153
Ion Ratio Lower Upper
128 100
49 185.8 0.0 453.5
130 131.3 0.0 314.2

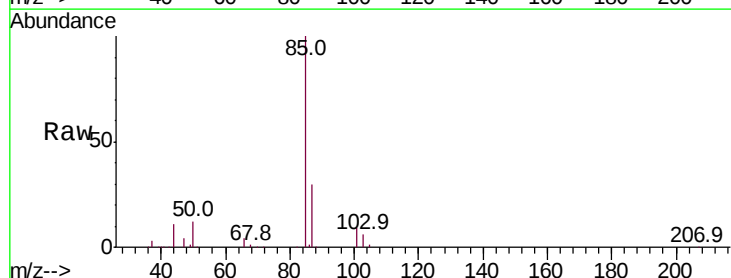


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

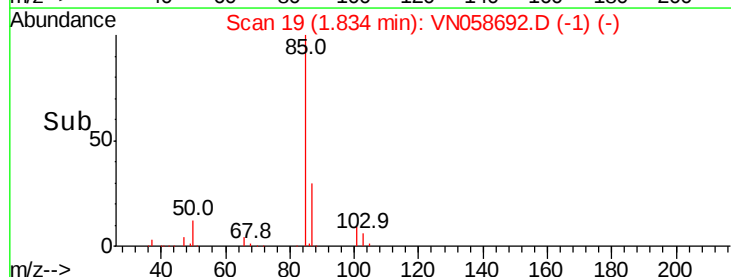
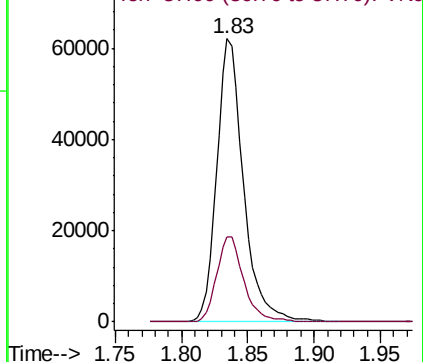


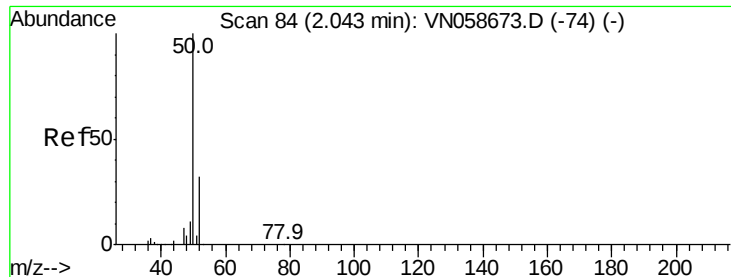
#2
Dichlorodifluoromethane
Concen: 22.562 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 85 Resp: 86981
Ion Ratio Lower Upper
85 100
87 30.2 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 21.284 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

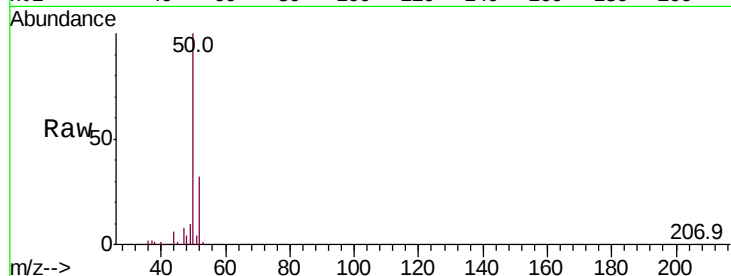
ClientSampled :

Tot Ion: 50 Resp: 109607

Ion Ratio Lower Upper

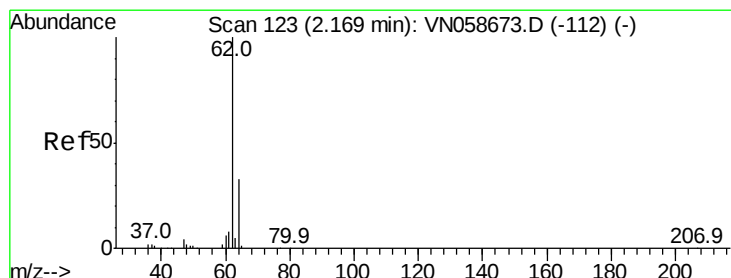
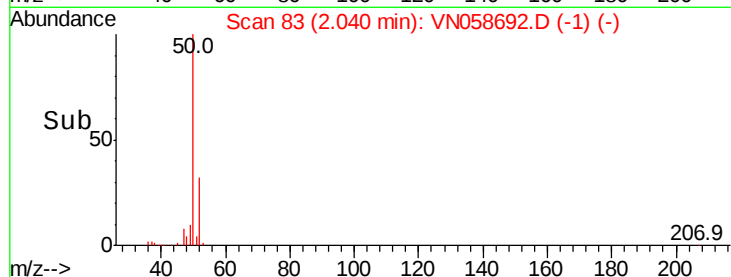
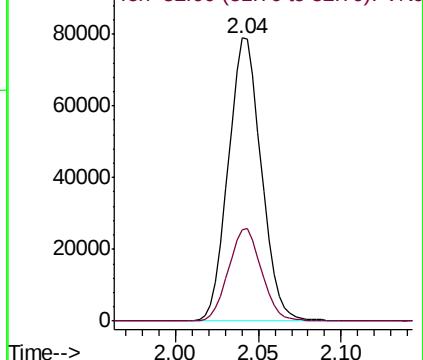
50 100

52 32.5 25.8 38.8



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 21.075 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058692.D

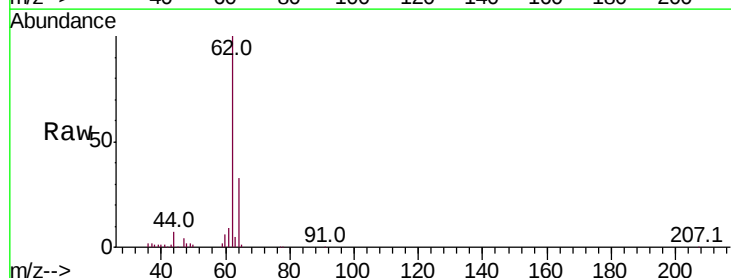
Acq: 11 Oct 2019 10:47

Tgt Ion: 62 Resp: 112166

Ion Ratio Lower Upper

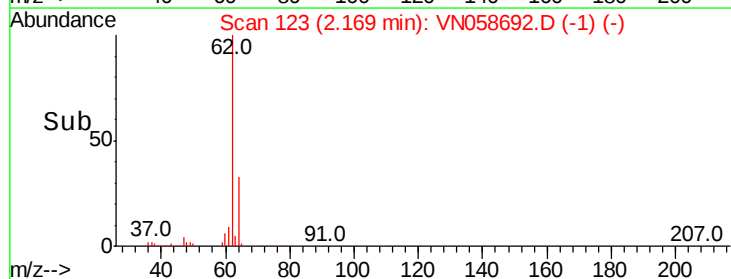
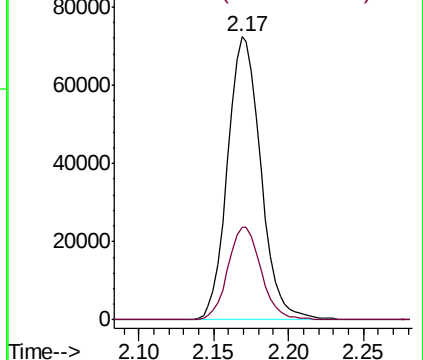
62 100

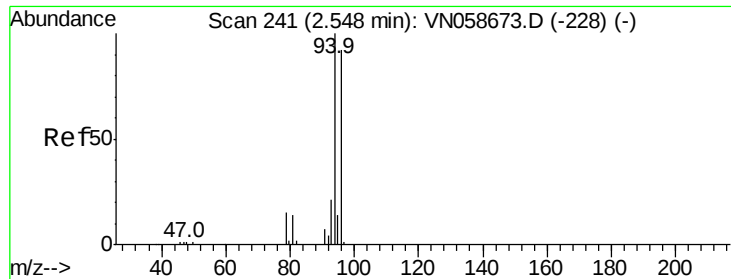
64 32.9 26.1 39.1



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 21.594 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

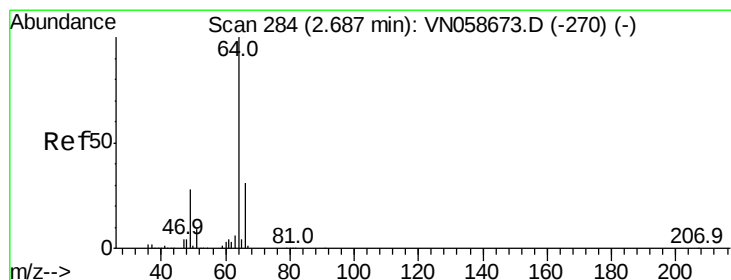
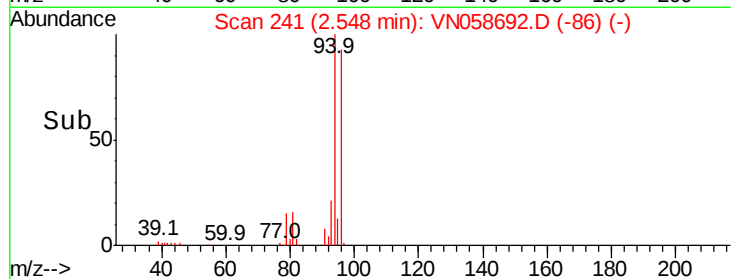
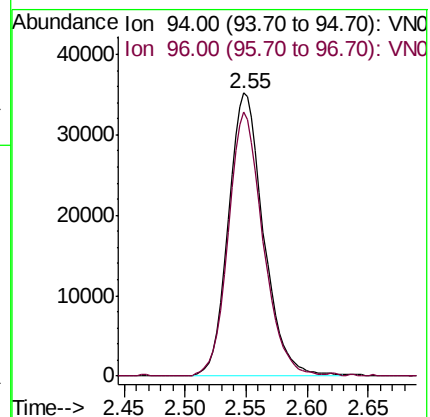
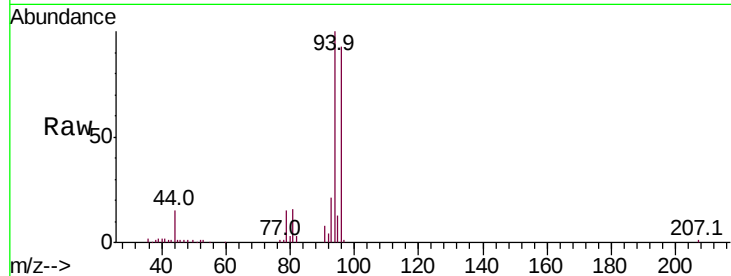
ClientSampleId :

Tot Ion: 94 Resp: 70960

Ion Ratio Lower Upper

94 100

96 93.2 73.7 110.5



#6

Chloroethane

Concen: 21.067 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058692.D

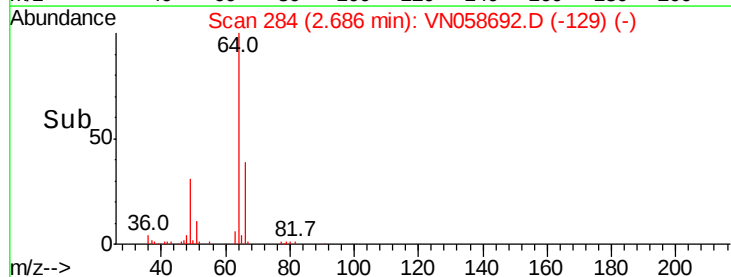
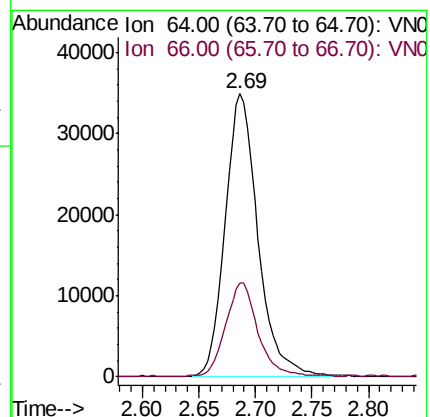
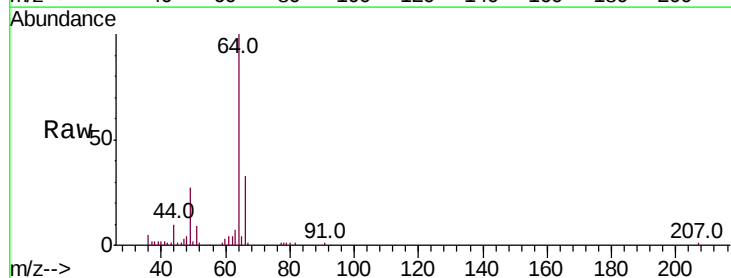
Acq: 11 Oct 2019 10:47

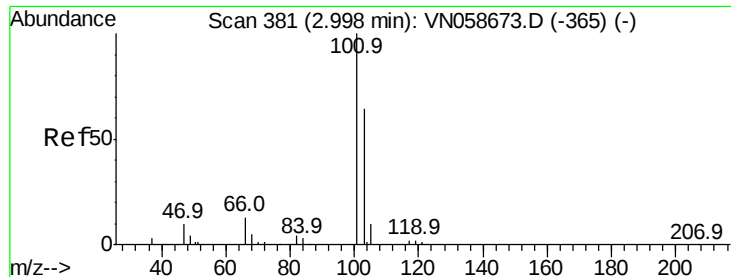
Tgt Ion: 64 Resp: 70480

Ion Ratio Lower Upper

64 100

66 33.4 24.6 36.8



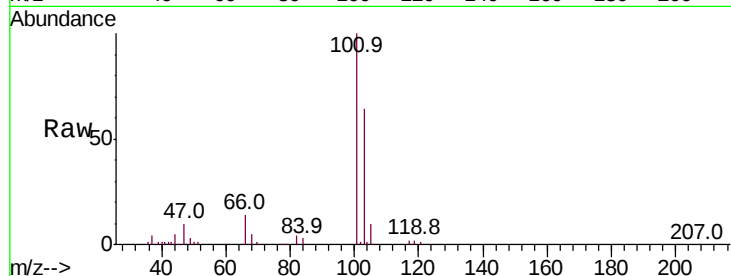


#7

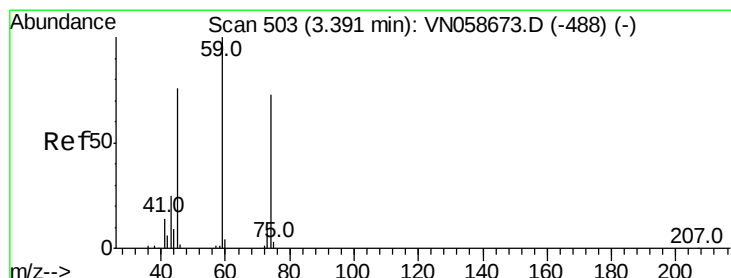
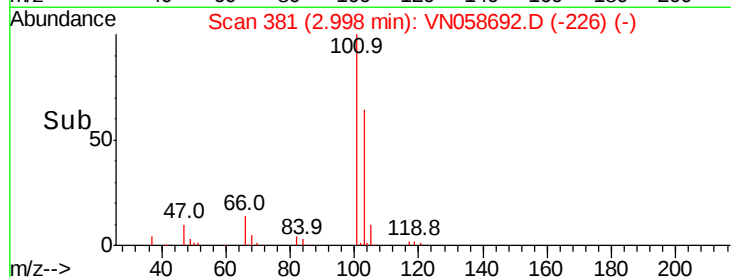
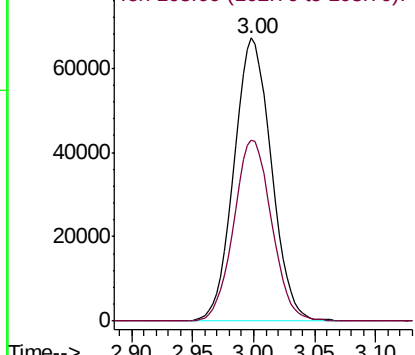
Trichlorofluoromethane
Concen: 21.755 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:101 Resp: 142515
Ion Ratio Lower Upper
101 100
103 64.0 51.5 77.3



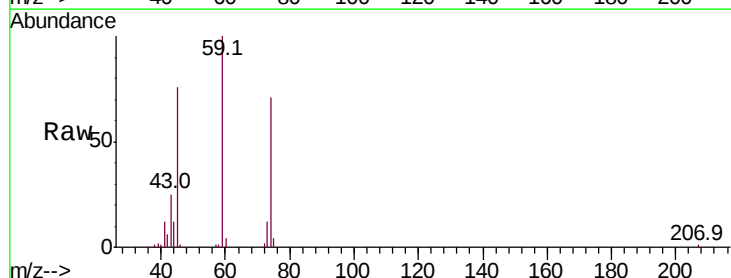
Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



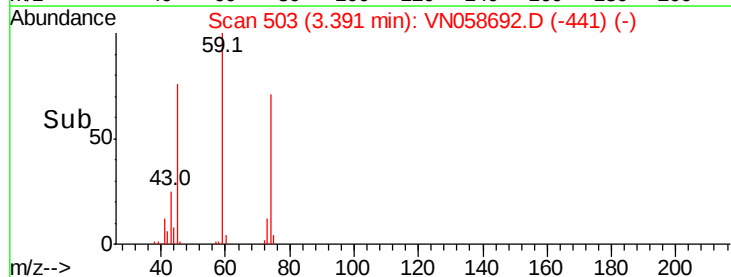
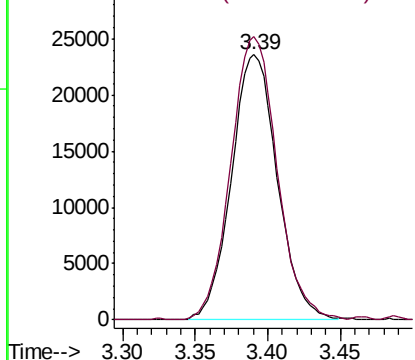
#8

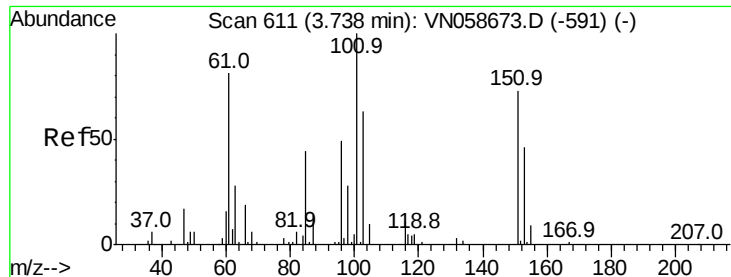
Diethyl Ether
Concen: 20.827 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 74 Resp: 52036
Ion Ratio Lower Upper
74 100
45 107.9 20.6 185.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.905 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

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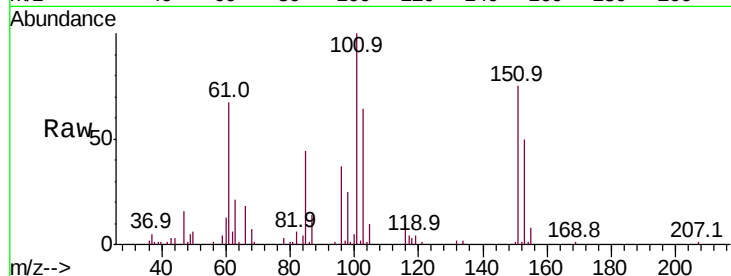
Tot Ion:101 Resp: 83032

Ion Ratio Lower Upper

101 100

85 45.6 0.0 93.8

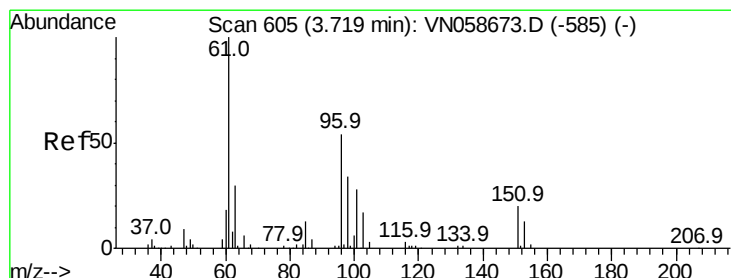
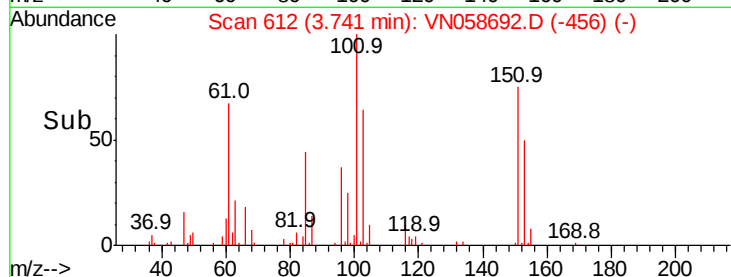
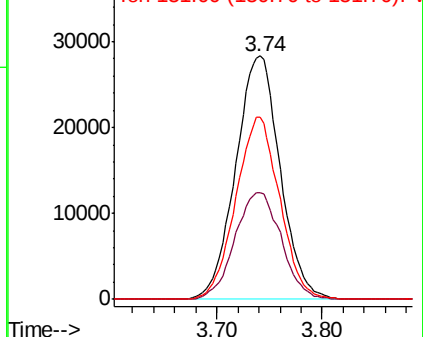
151 73.7 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.864 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

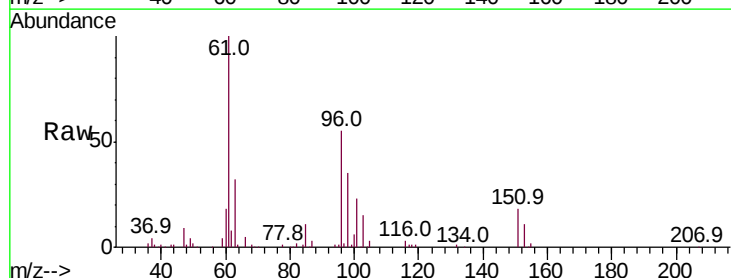
Tgt Ion: 96 Resp: 77674

Ion Ratio Lower Upper

96 100

61 182.9 148.5 222.7

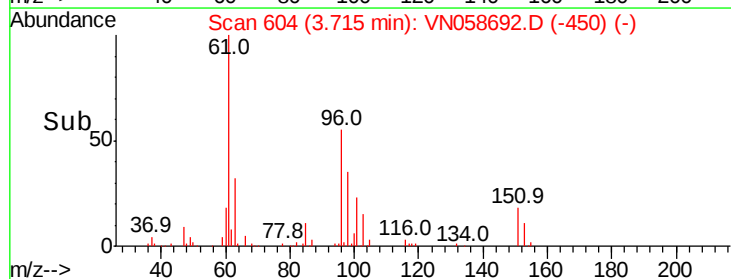
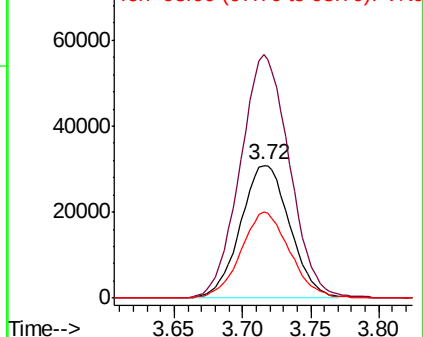
98 65.0 51.0 76.6

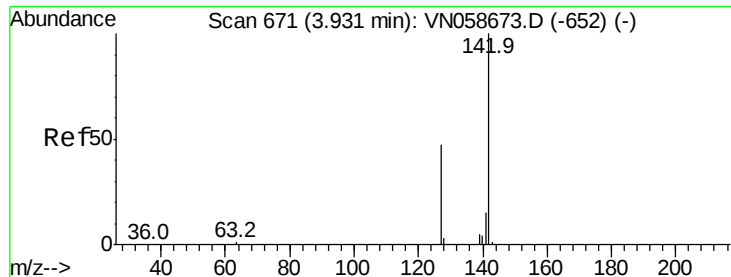


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

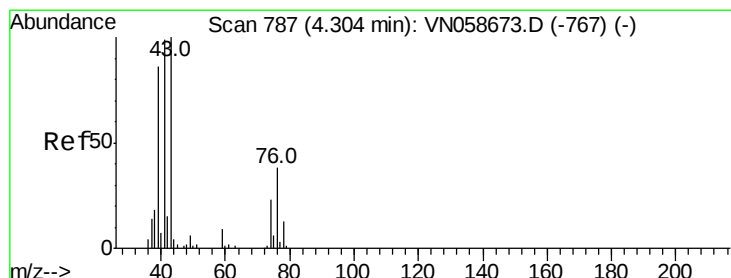
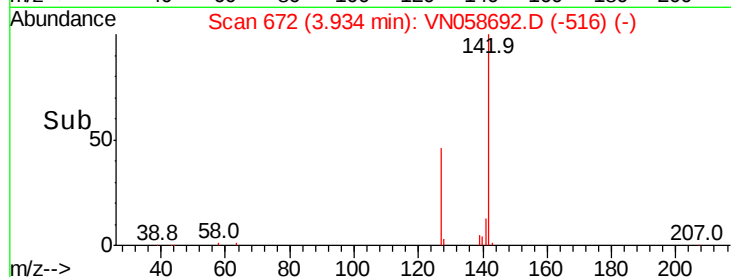
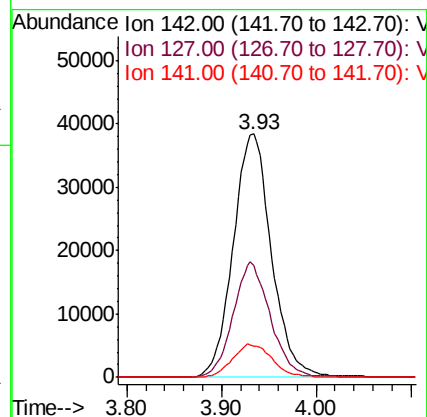
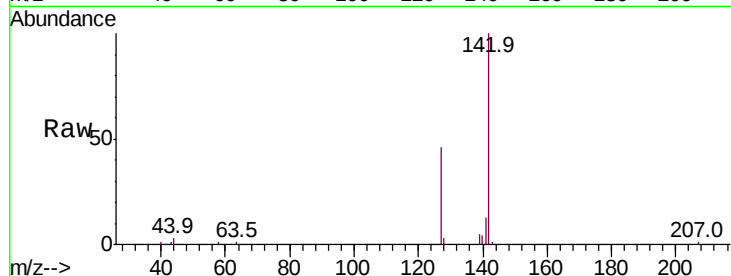




#11
Methvl Iodide
Concen: 20.837 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

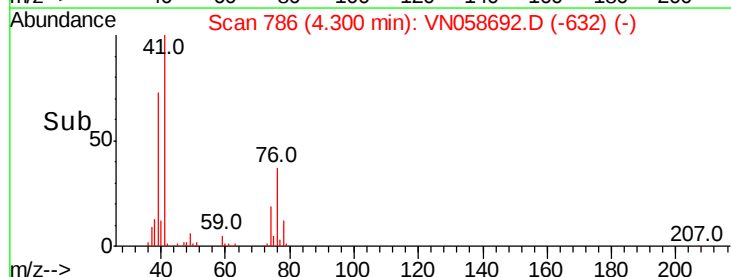
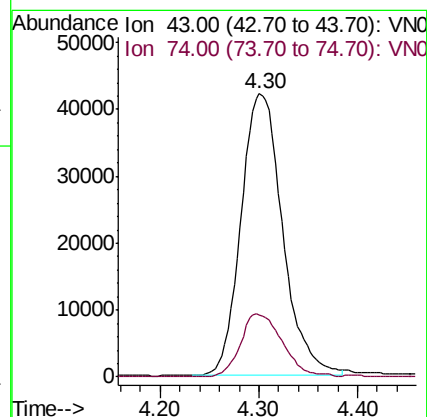
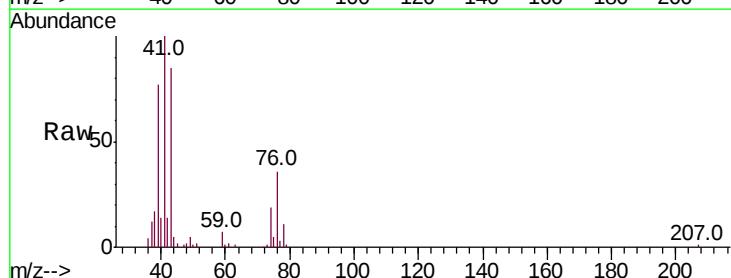
Instrument :
MSVOA_N
ClientSampled :

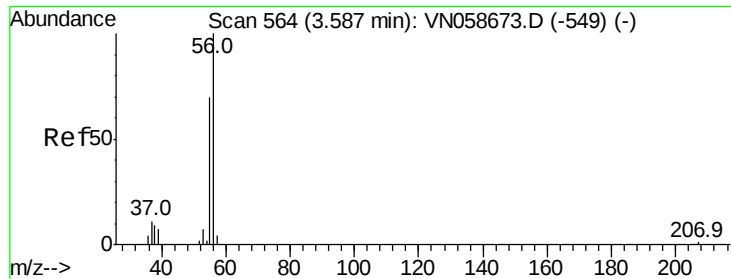
Tot Ion:142 Resp: 108034
Ion Ratio Lower Upper
142 100
127 46.3 23.5 70.6
141 13.0 7.4 22.2



#12
Methyl Acetate
Concen: 20.707 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 43 Resp: 123336
Ion Ratio Lower Upper
43 100
74 22.0 18.1 27.1

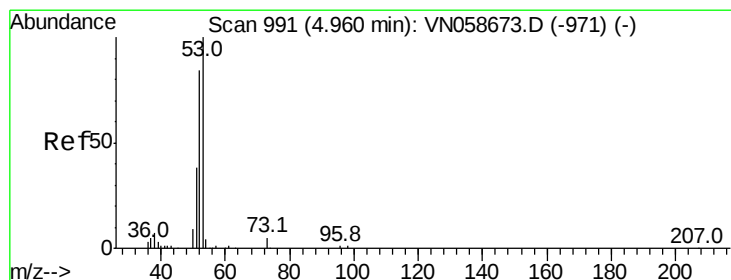
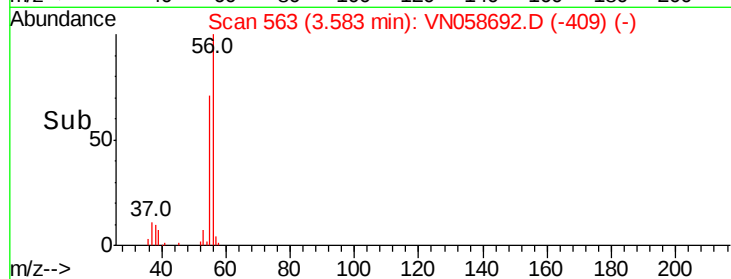
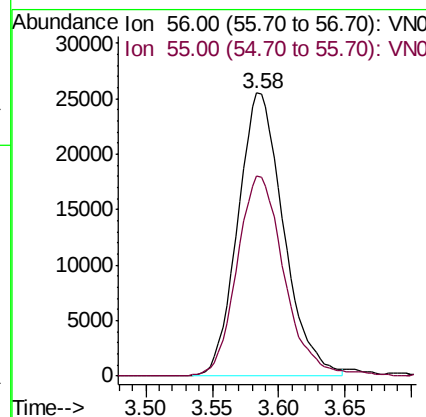
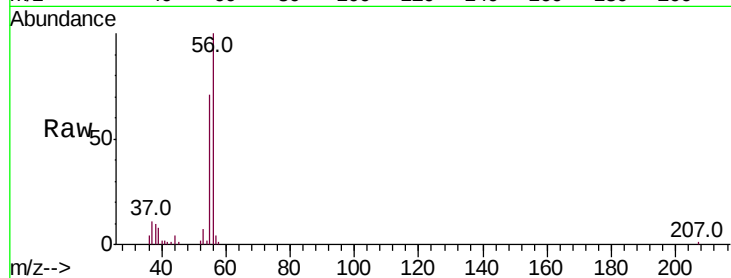




#13
Acrolein
Concen: 93.271 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

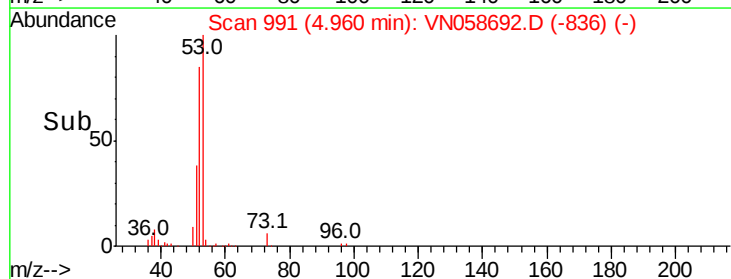
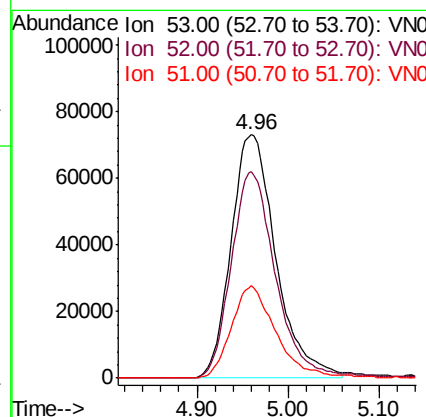
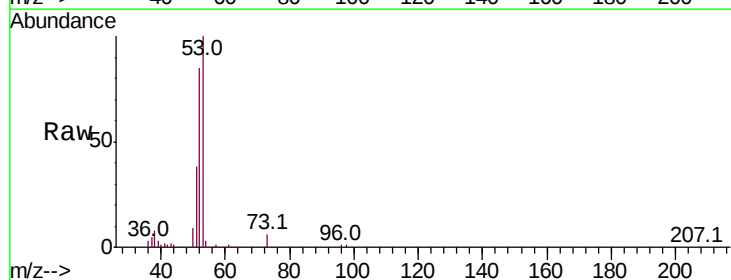
Instrument :
MSVOA_N
ClientSampleId :

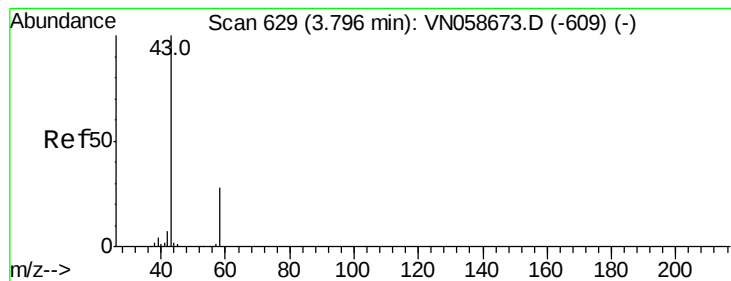
Tot Ion: 56 Resp: 61384
Ion Ratio Lower Upper
56 100
55 72.5 55.9 83.9



#14
Acrylonitrile
Concen: 106.487 ug/l
RT: 4.96 min Scan# 991
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 53 Resp: 249919
Ion Ratio Lower Upper
53 100
52 83.8 42.2 126.6
51 37.4 18.8 56.4





#15

Acetone

Concen: 107.150 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

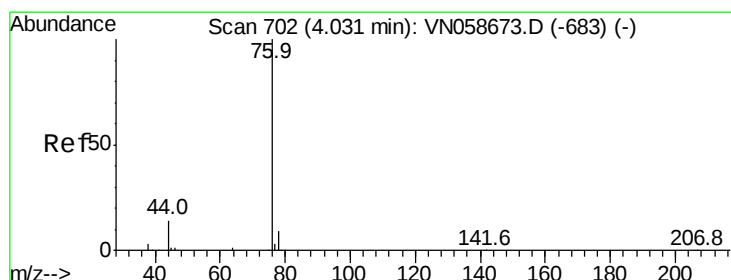
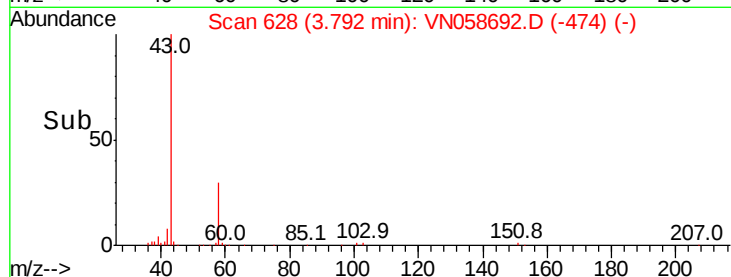
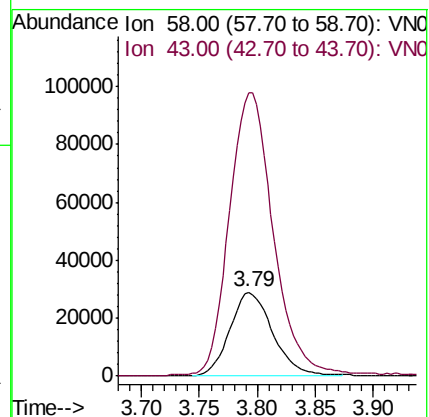
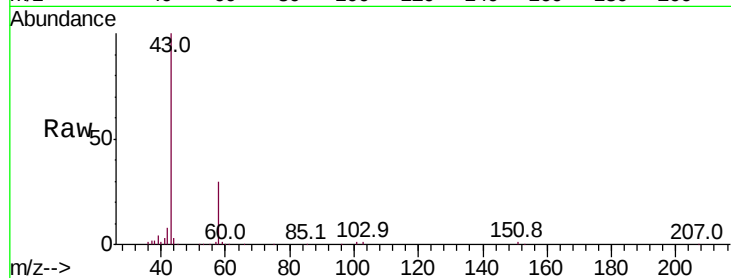
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 74647

Ion Ratio Lower Upper

58 100

43 335.1 281.7 422.5



#16

Carbon Disulfide

Concen: 20.765 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058692.D

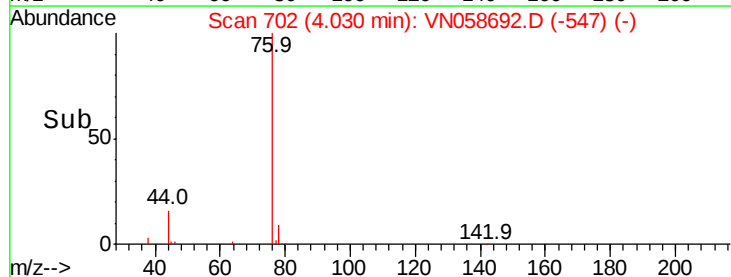
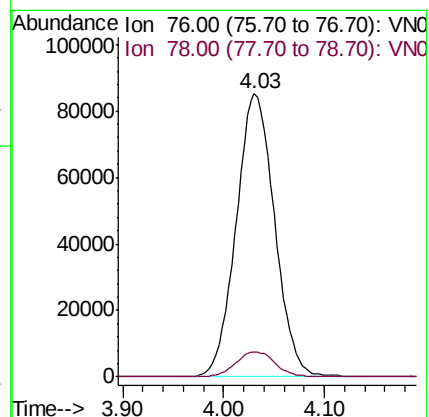
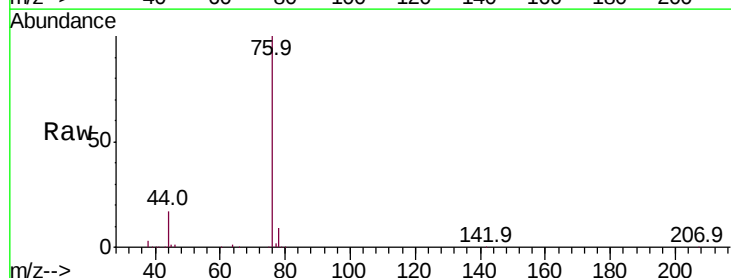
Acq: 11 Oct 2019 10:47

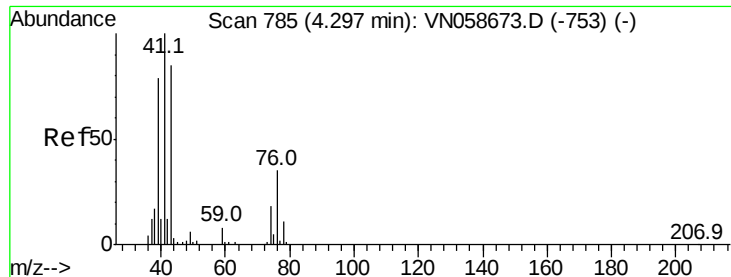
Tgt Ion: 76 Resp: 225480

Ion Ratio Lower Upper

76 100

78 8.6 7.4 11.0





#17

Allvl chloride

Concen: 21.203 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

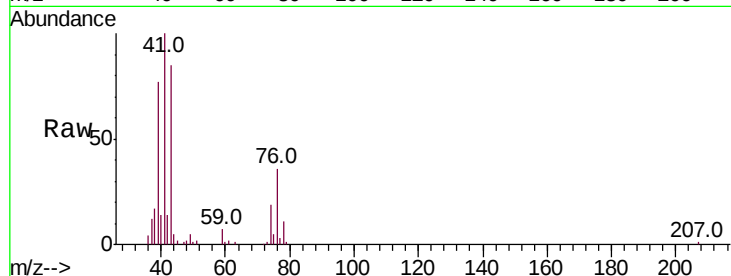
Tot Ion: 41 Resp: 157114

Ion Ratio Lower Upper

41 100

39 77.3 39.6 118.8

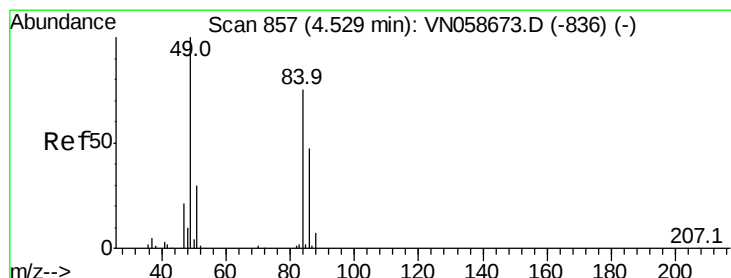
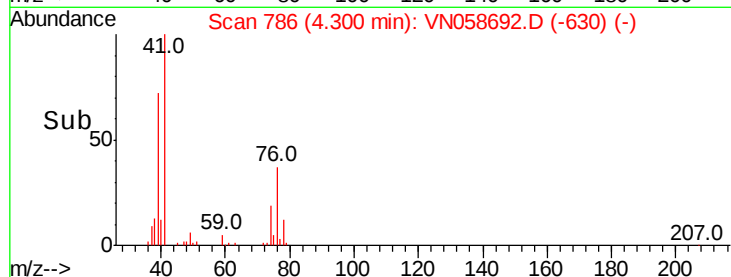
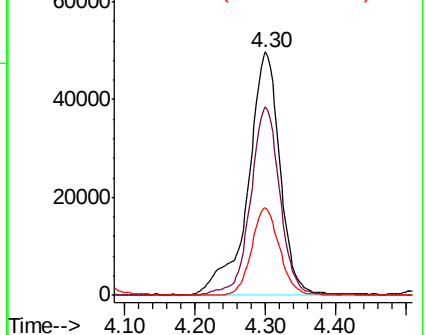
76 35.7 17.6 52.9



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 20.924 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Tgt Ion: 84 Resp: 94330

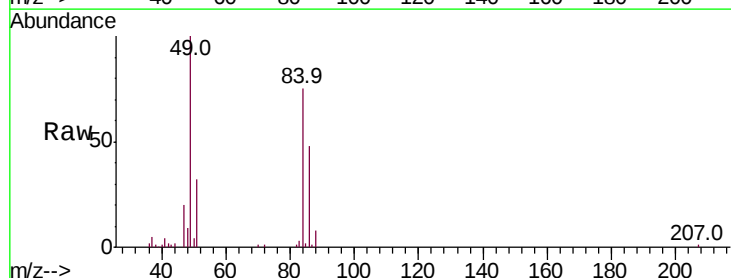
Ion Ratio Lower Upper

84 100

49 132.3 106.6 160.0

51 41.9 32.4 48.6

86 63.6 50.6 76.0

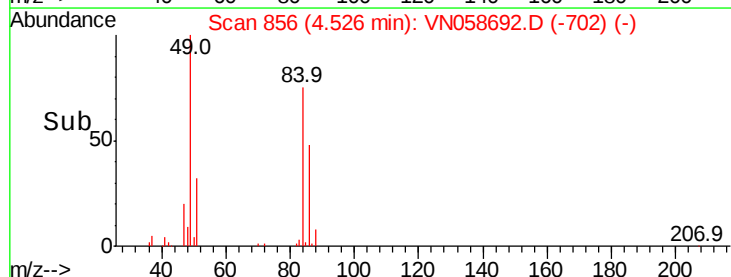
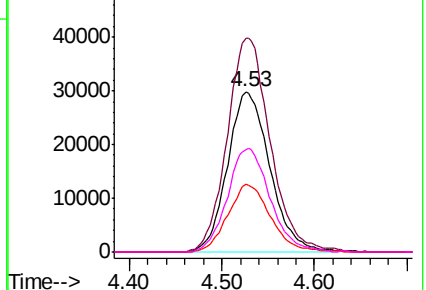


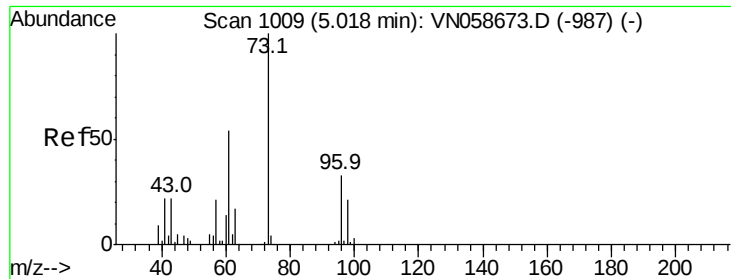
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

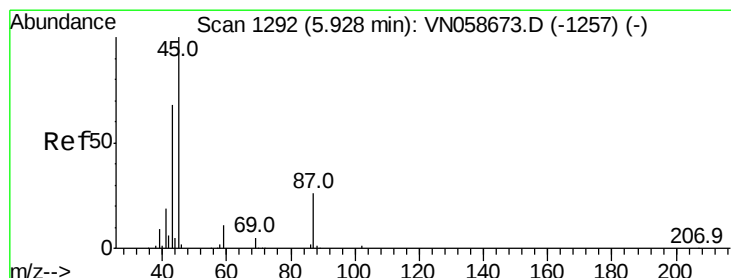
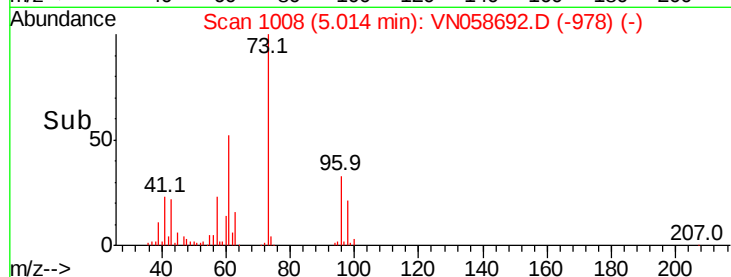
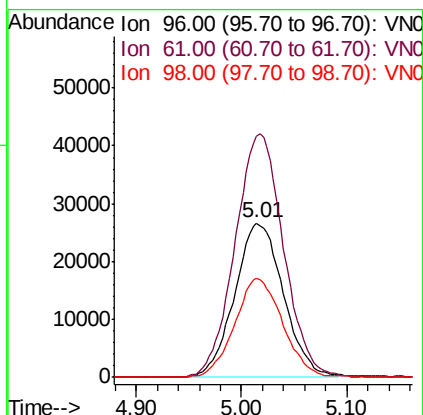
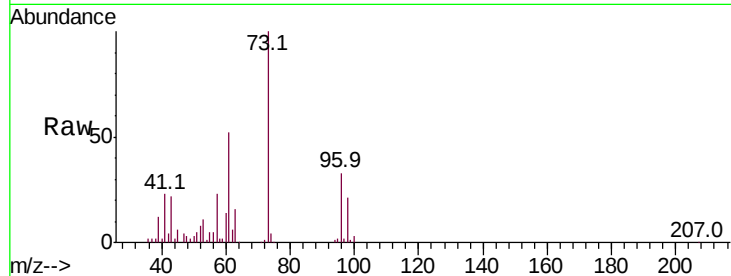




#19
trans-1,2-Dichloroethene
Concen: 21.117 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

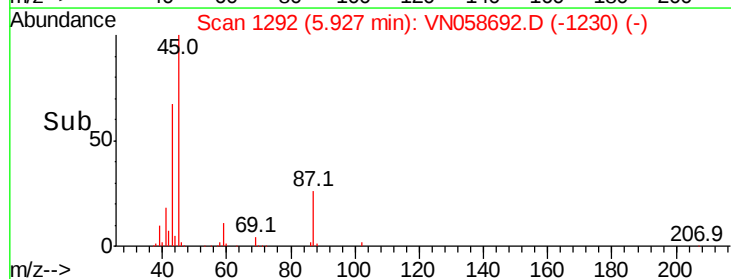
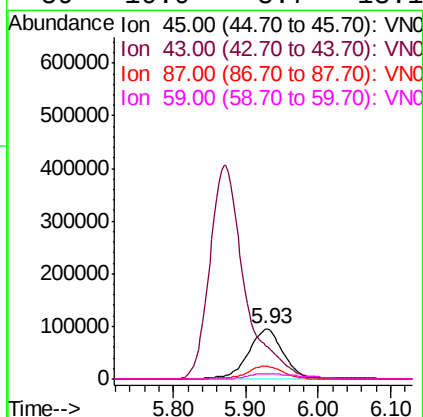
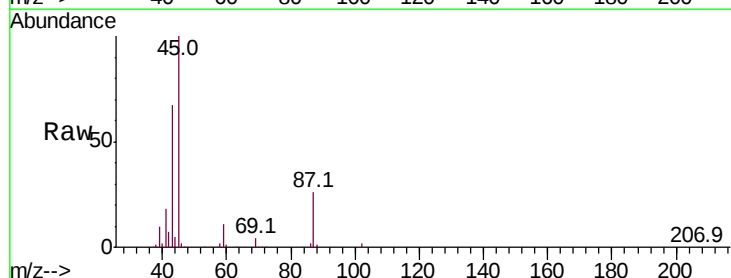
Instrument :
MSVOA_N
ClientSampleId :

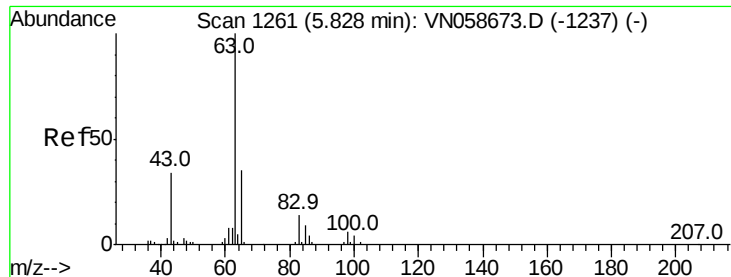
Tot Ion: 96 Resp: 85585
Ion Ratio Lower Upper
96 100
61 155.1 131.8 197.6
98 64.4 52.6 79.0



#20
Diisopropyl ether
Concen: 21.051 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 45 Resp: 317813
Ion Ratio Lower Upper
45 100
43 65.3 54.7 82.1
87 25.6 21.5 32.3
59 10.9 8.7 13.1

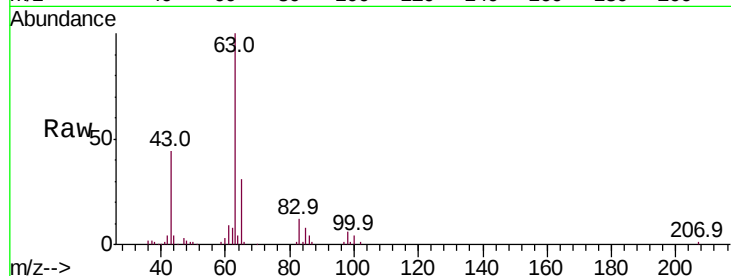




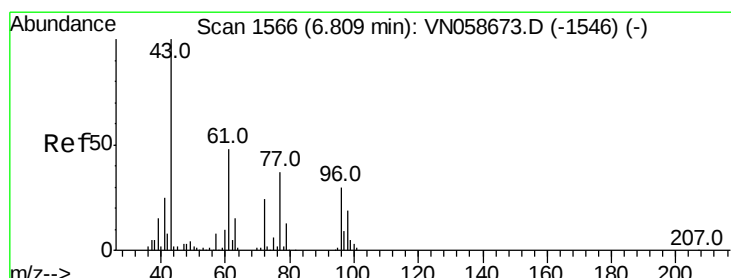
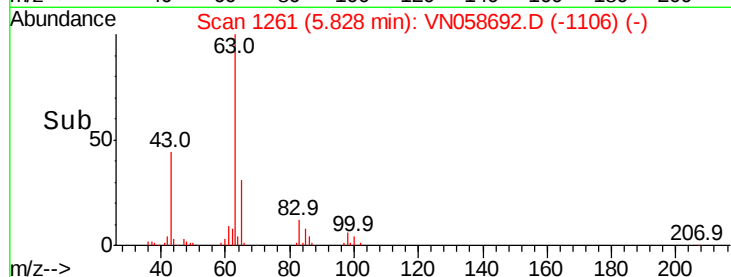
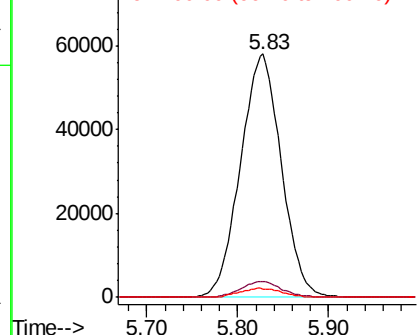
#21
 1,1-Dichloroethane
 Concen: 21.588 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	2.9	8.6
100	3.5	1.8	5.5

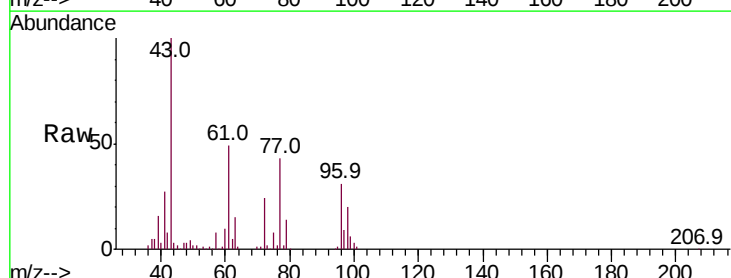


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

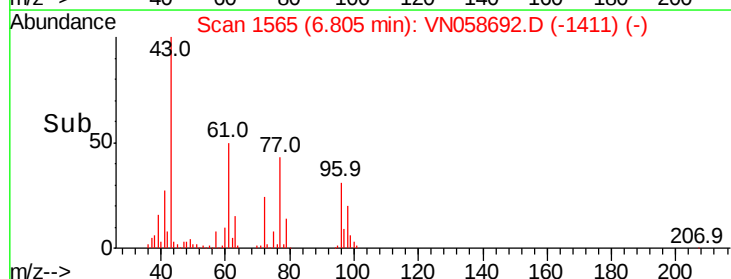
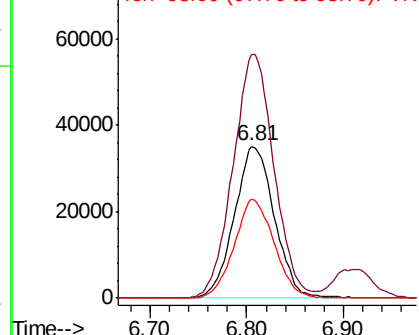


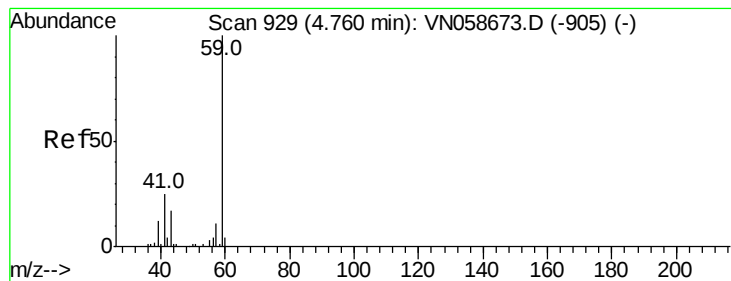
#22
 cis-1,2-Dichloroethene
 Concen: 20.911 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.9	127.2	190.8
98	64.6	50.5	75.7



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0



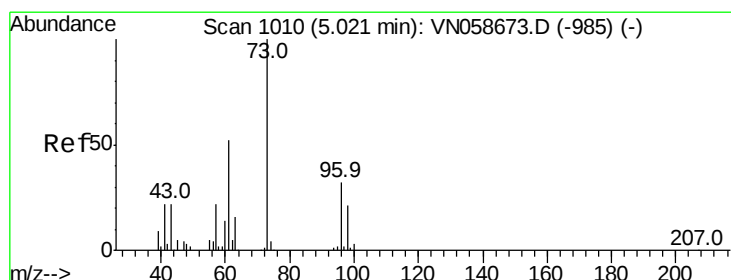
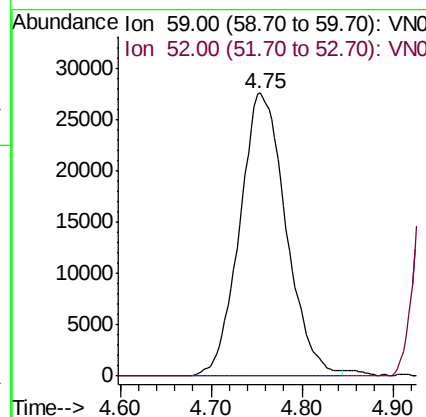
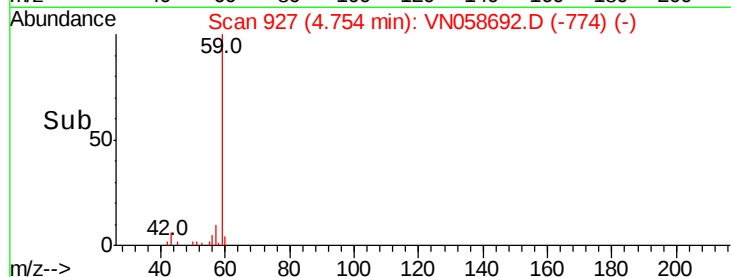
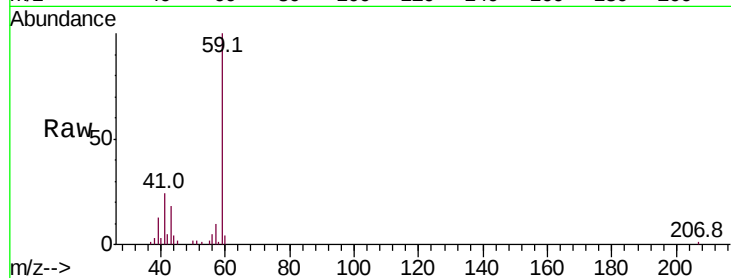


#23

tert-Butyl Alcohol
 Concen: 101.704 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :

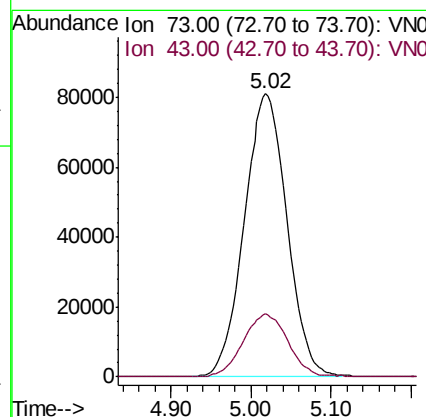
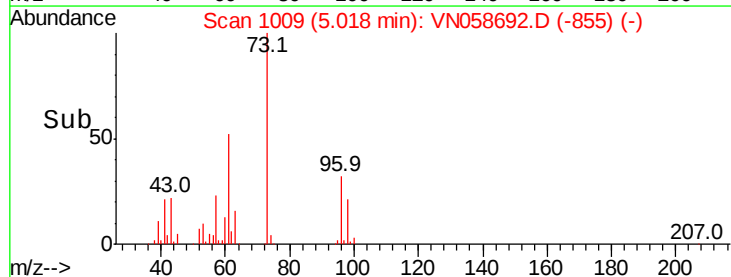
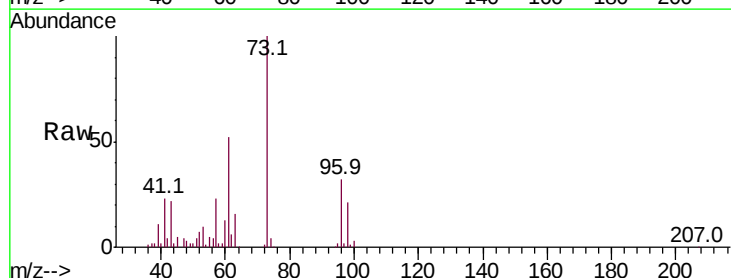
Tot Ion: 59 Resp: 97632
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

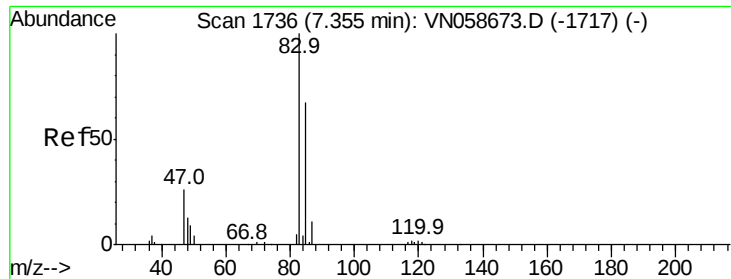


#24

Methyl tert-Butyl Ether
 Concen: 21.223 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion: 73 Resp: 294757
 Ion Ratio Lower Upper
 73 100
 43 22.6 17.9 26.9





#25

Chloroform

Concen: 21.265 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

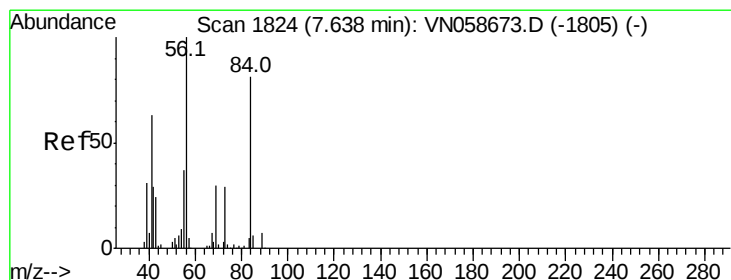
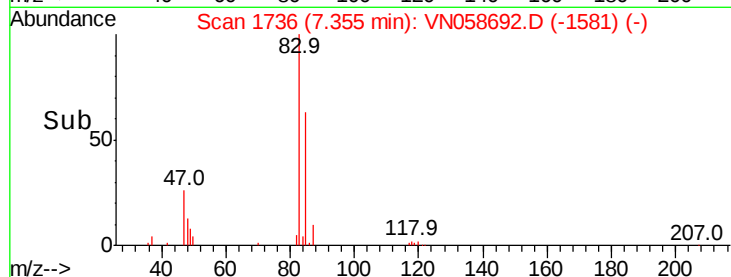
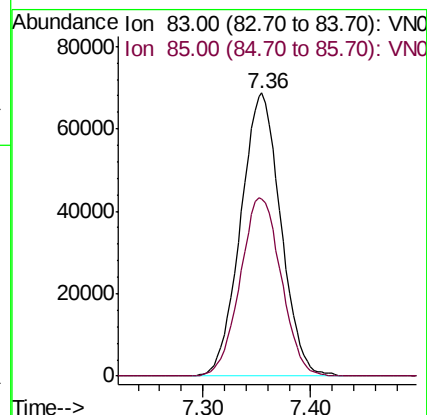
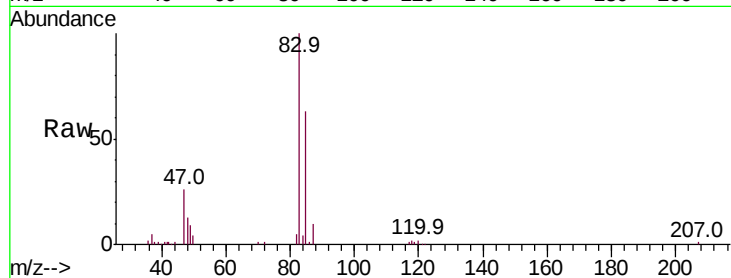
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 177301

Ion Ratio Lower Upper

83 100

85 62.8 53.8 80.8



#26

Cyclohexane

Concen: 20.972 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

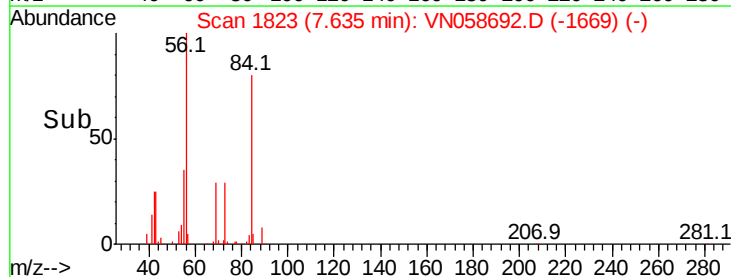
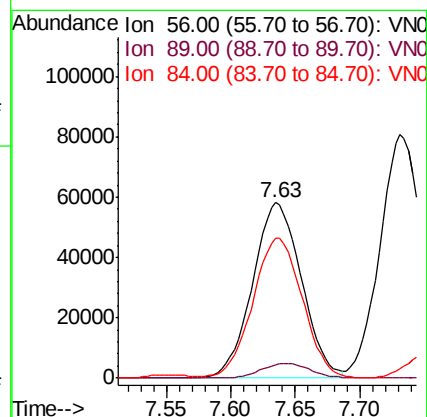
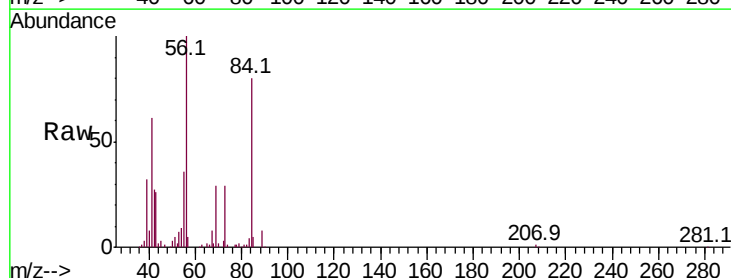
Tgt Ion: 56 Resp: 153886

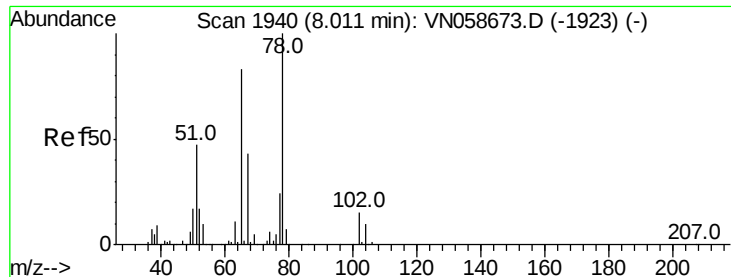
Ion Ratio Lower Upper

56 100

89 8.2 6.2 9.2

84 81.1 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 31.010 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

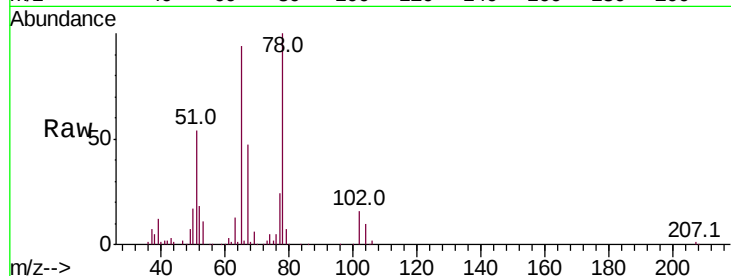
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 187273

Ion Ratio Lower Upper

65 100

67 51.4 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VN058692.D (-1923) (-)

Ion 67.00 (66.70 to 67.70): VN058692.D (-1923) (-)

8.01

80000

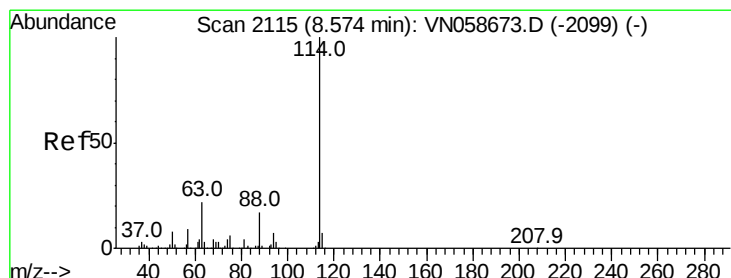
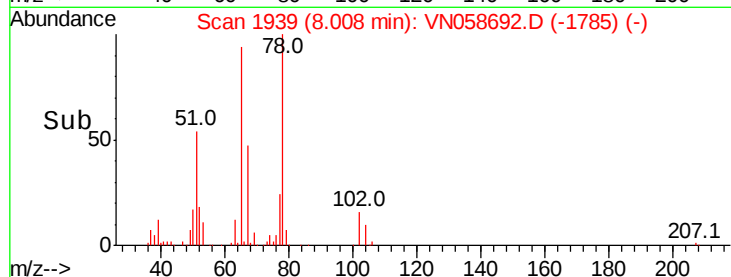
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

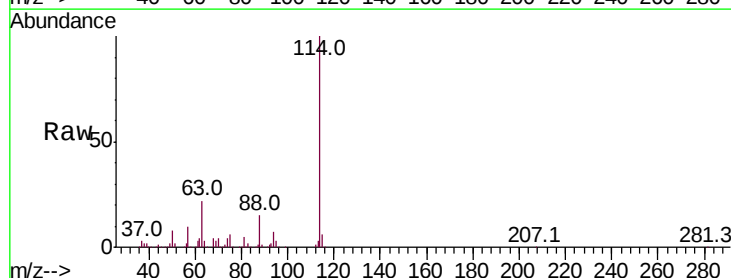
Tgt Ion: 114 Resp: 402209

Ion Ratio Lower Upper

114 100

63 22.2 18.1 27.1

88 16.1 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): VN058692.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN058692.D (-2099) (-)

Ion 88.00 (87.70 to 88.70): VN058692.D (-2099) (-)

8.57

250000

200000

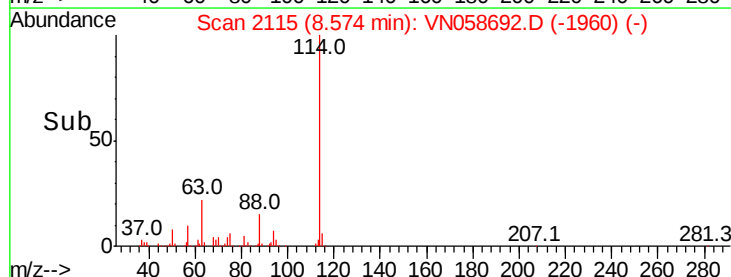
150000

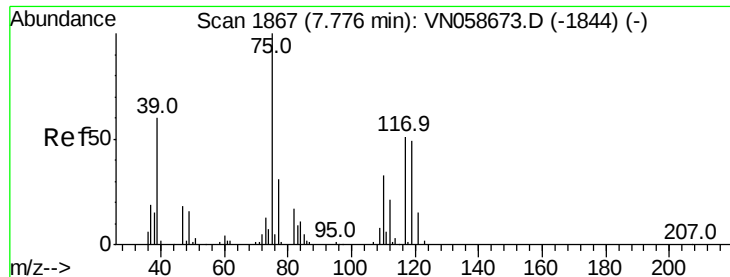
100000

50000

0

Time--> 8.50 8.55 8.60 8.65

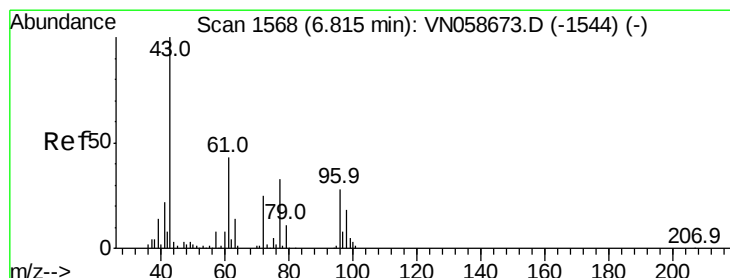
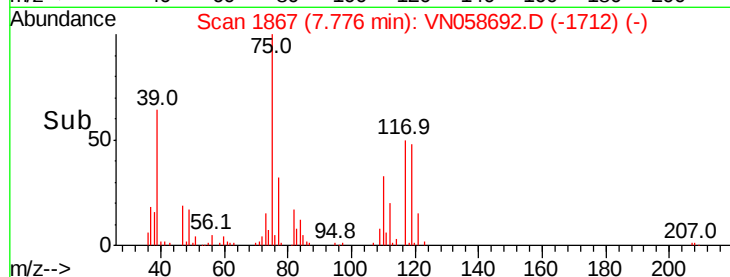
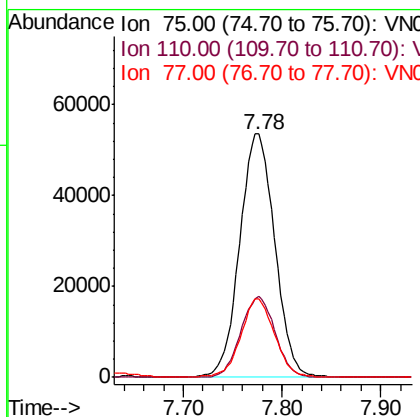
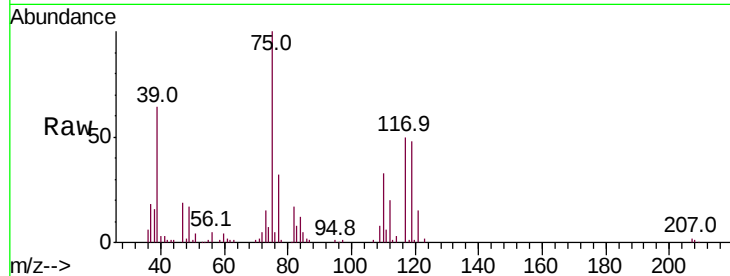




#29
 1,1-Dichloropropene
 Concen: 20.828 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

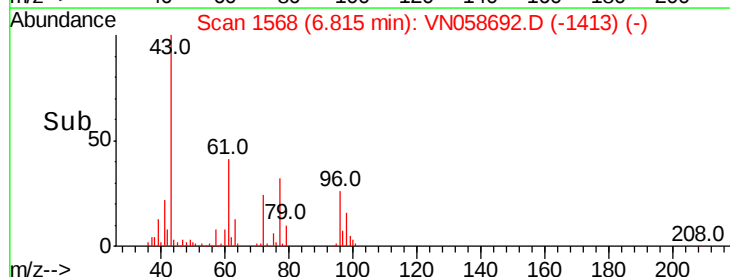
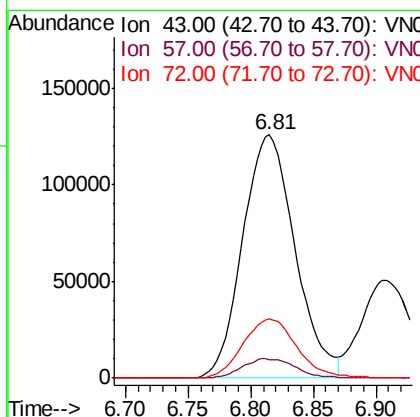
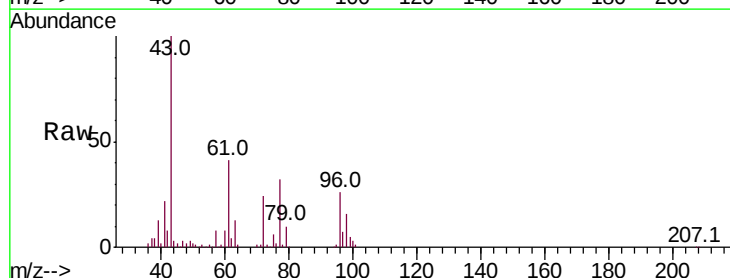
Instrument :
 MSVOA_N
 ClientSampleId :

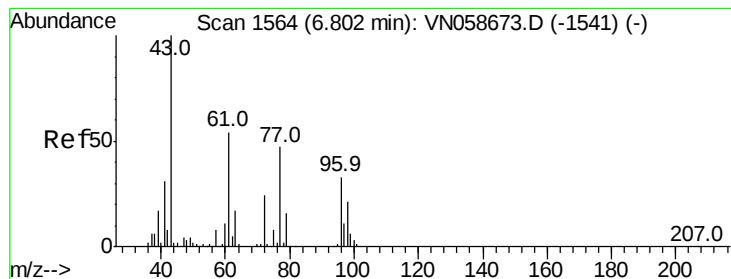
Tot Ion	Ratio	Lower	Upper
75	100		
110	31.6	0.0	64.6
77	31.2	0.0	60.8



#30
 2-Butanone
 Concen: 101.984 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.5	9.7
72	25.1	20.1	30.1





#31

2,2-Dichloropropane

Concen: 21.130 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

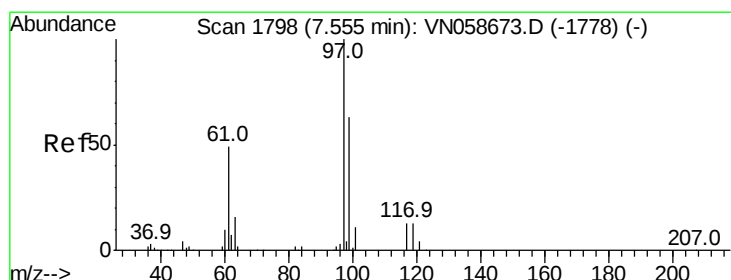
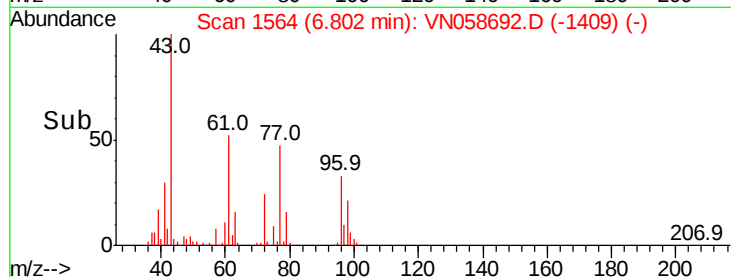
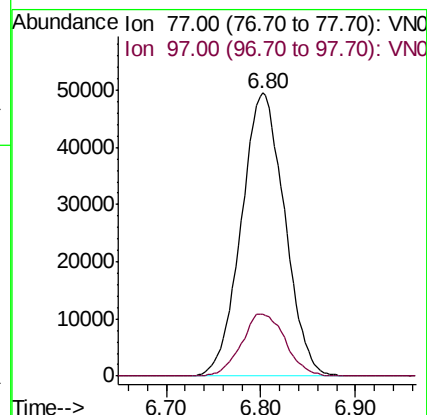
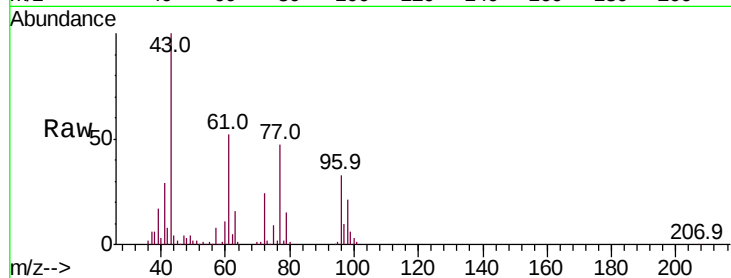
ClientSampled :

Tot Ion: 77 Resp: 157682

Ion Ratio Lower Upper

77 100

97 22.1 17.9 26.9



#32

1,1,1-Trichloroethane

Concen: 21.248 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

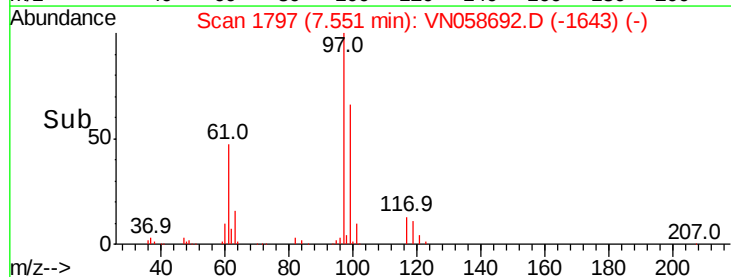
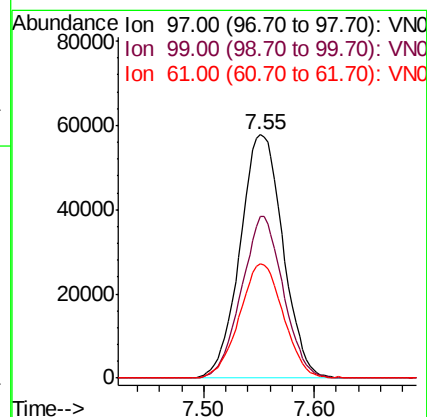
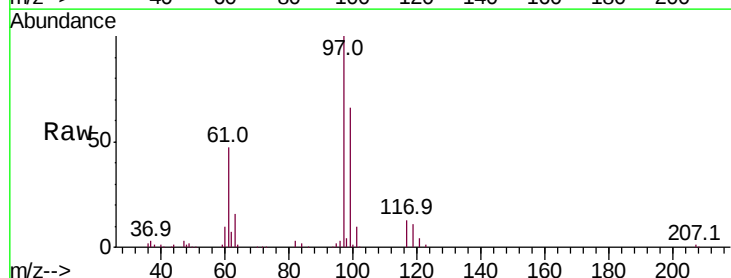
Tgt Ion: 97 Resp: 155597

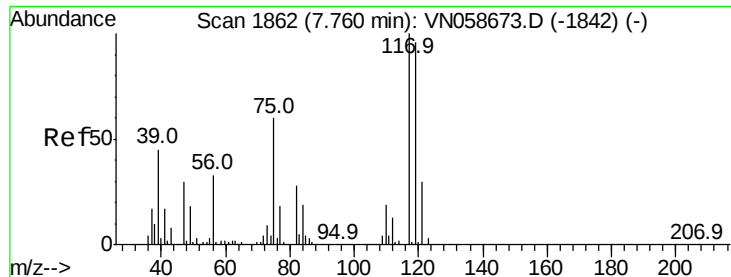
Ion Ratio Lower Upper

97 100

99 64.6 51.3 76.9

61 48.0 38.4 57.6

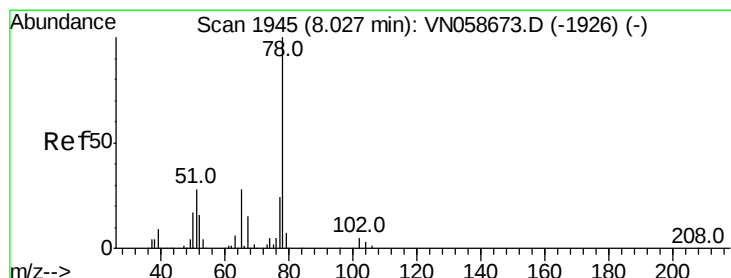
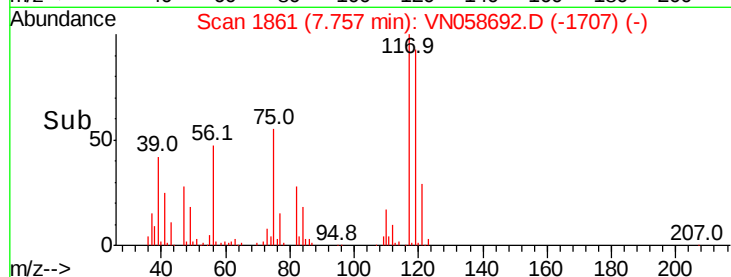
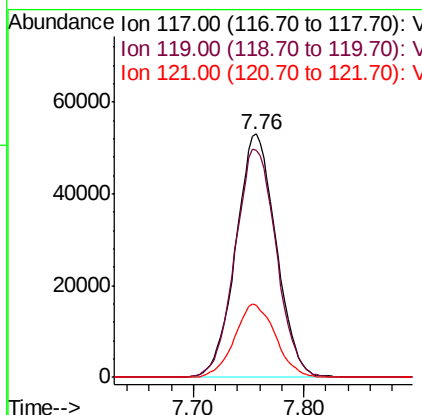
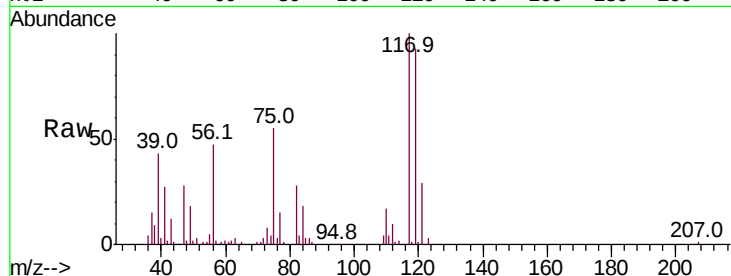




#33
Carbon Tetrachloride
Concen: 21.152 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

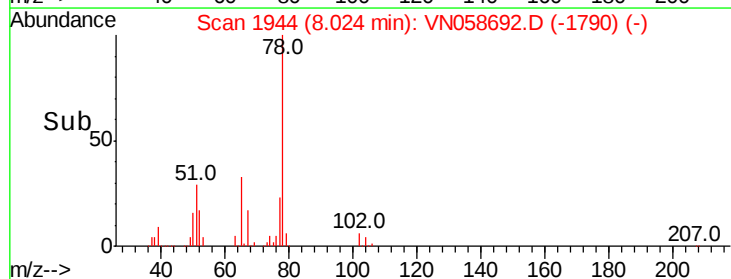
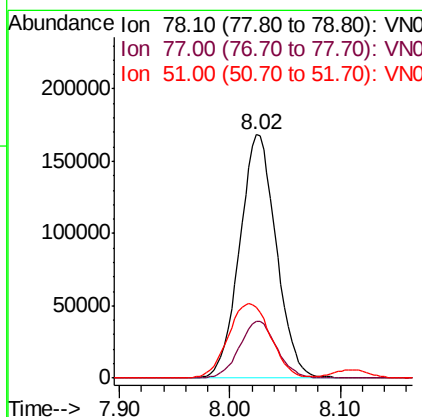
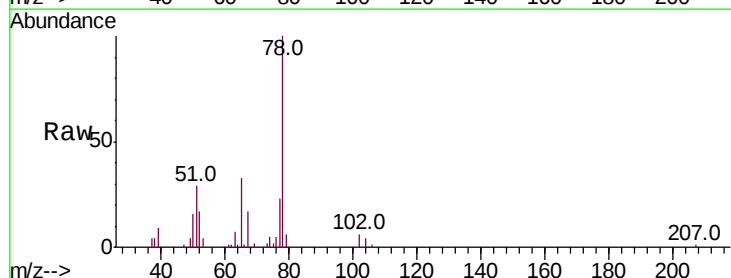
Instrument :
MSVOA_N
ClientSampleId :

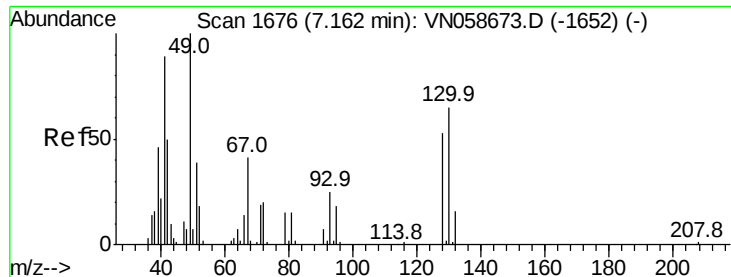
Tot Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.9	115.3
121	29.4	23.8	35.8



#34
Benzene
Concen: 20.734 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8
51	28.8	22.1	33.1

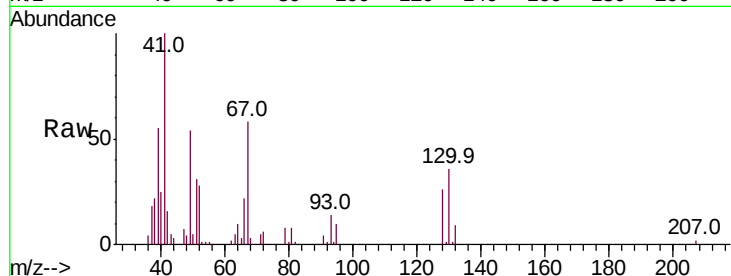




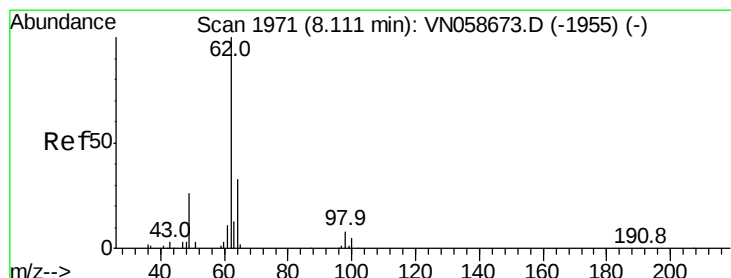
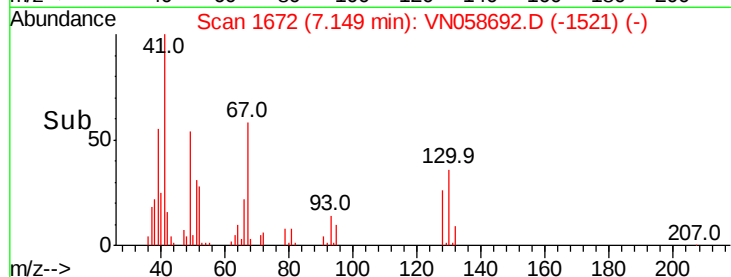
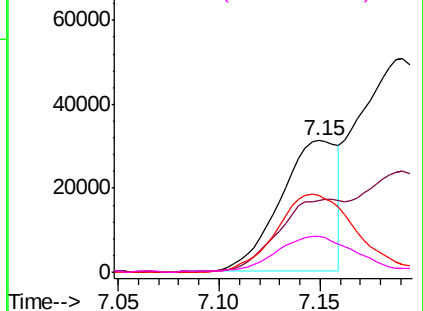
#35
Methacrylonitrile
Concen: 19.494 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 61613
Ion Ratio Lower Upper
41 100
39 54.5 25.8 77.4
67 58.4 23.0 69.0
52 27.0 10.1 30.1

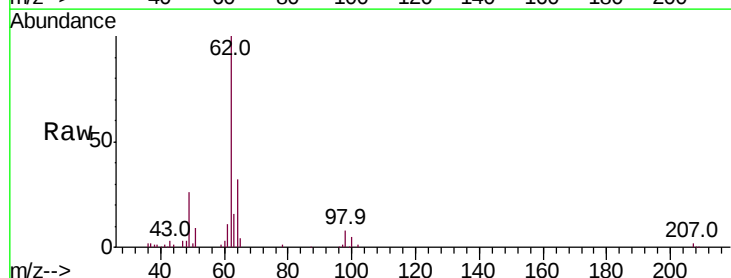


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

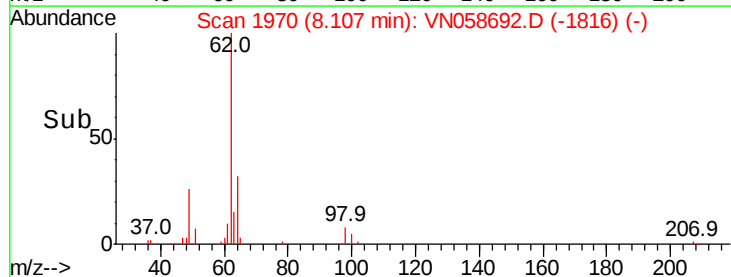
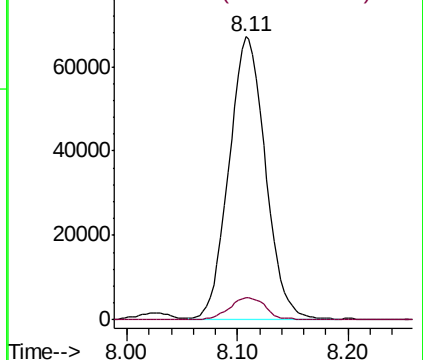


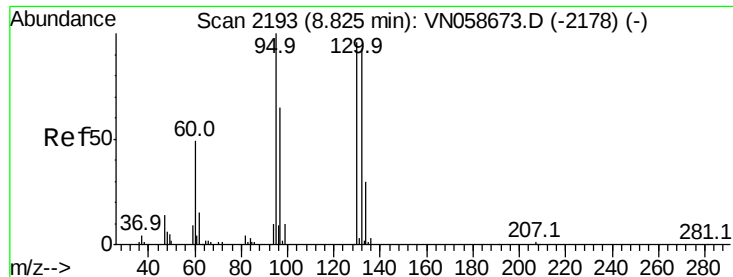
#36
1,2-Dichloroethane
Concen: 21.475 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 62 Resp: 153044
Ion Ratio Lower Upper
62 100
98 7.9 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 21.209 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

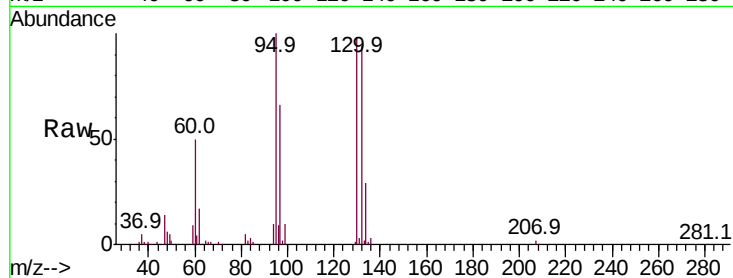
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:130 Resp: 97122

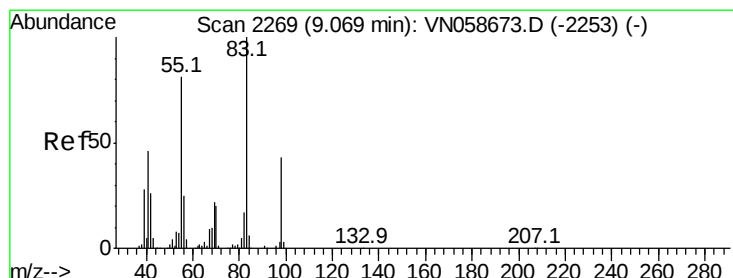
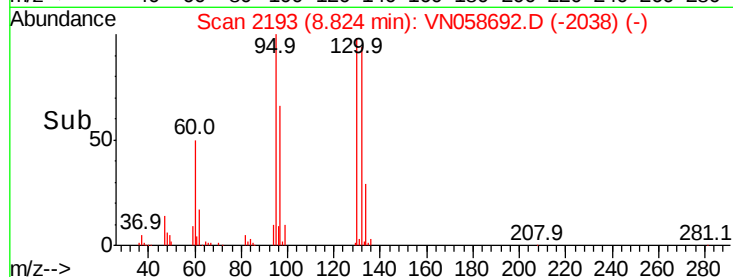
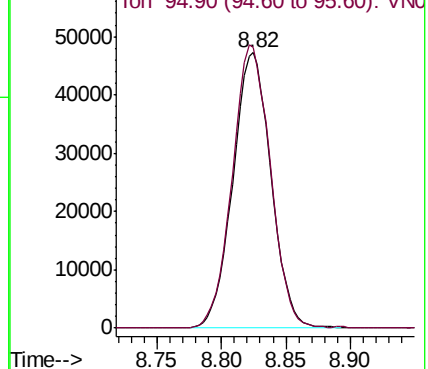
Ion Ratio Lower Upper

130 100

95 101.8 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): V



#38

Methylcyclohexane

Concen: 20.191 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

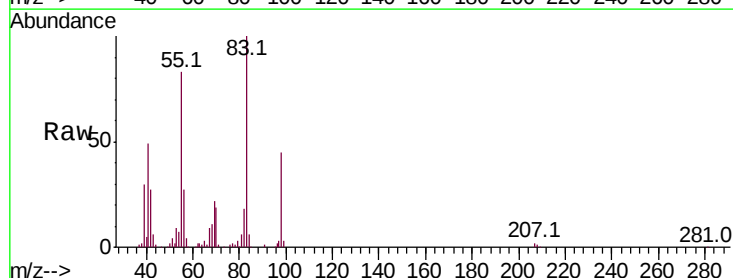
Tgt Ion: 83 Resp: 148217

Ion Ratio Lower Upper

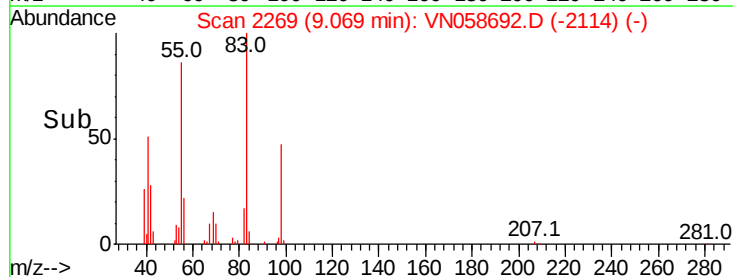
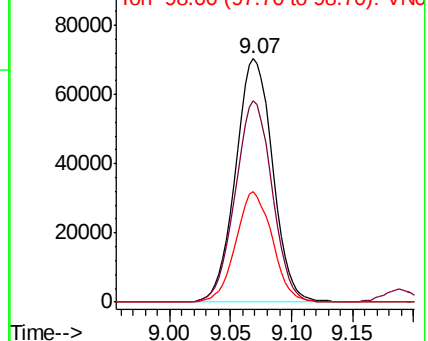
83 100

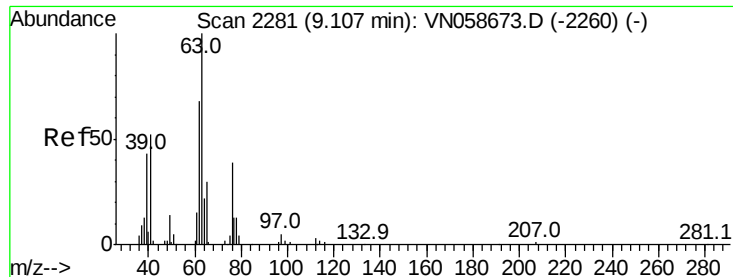
55 82.2 40.4 121.1

98 44.6 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN

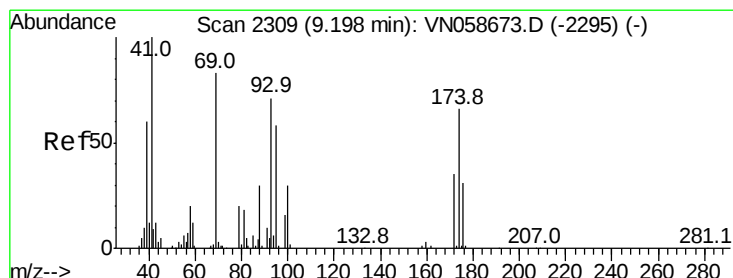
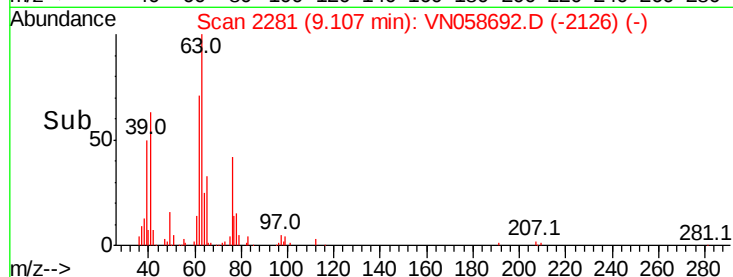
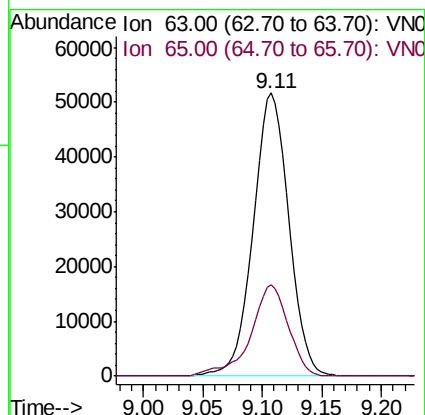
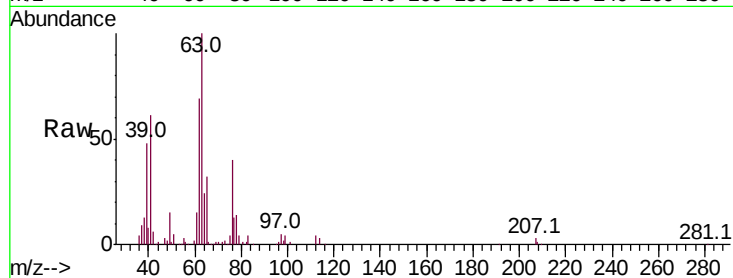




#39
 1,2-Dichloropropane
 Concen: 21.028 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

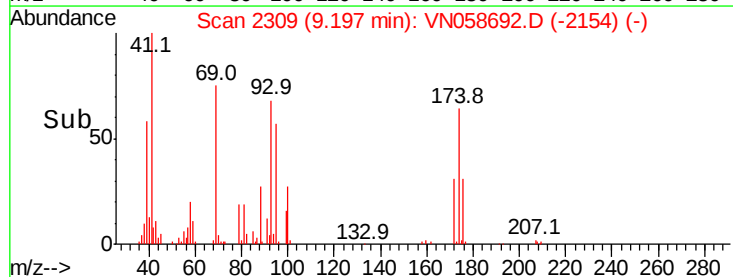
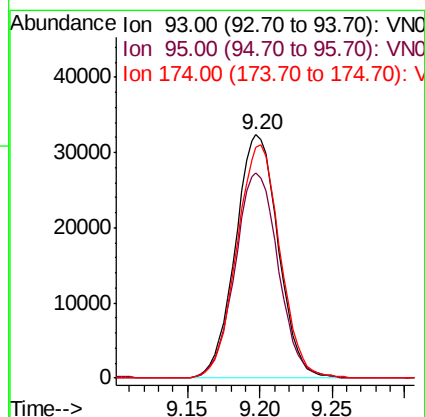
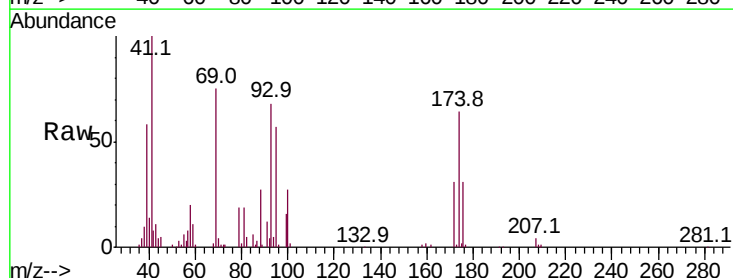
Instrument :
 MSVOA_N
 ClientSampleId :

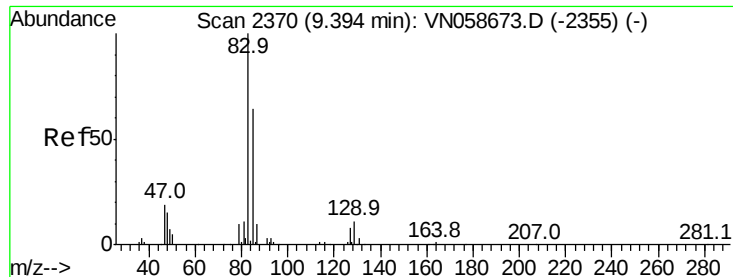
Tot Ion: 63 Resp: 107114
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.8 35.6



#40
 Dibromomethane
 Concen: 20.696 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion: 93 Resp: 66553
 Ion Ratio Lower Upper
 93 100
 95 85.3 0.0 167.6
 174 96.8 0.0 187.2





#41

Bromodichloromethane

Concen: 20.750 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :

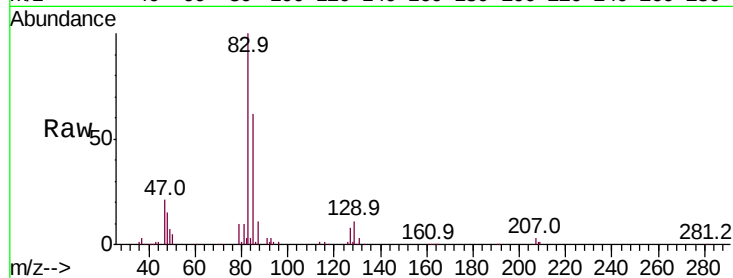
Tot Ion: 83 Resp: 136314

Ion Ratio Lower Upper

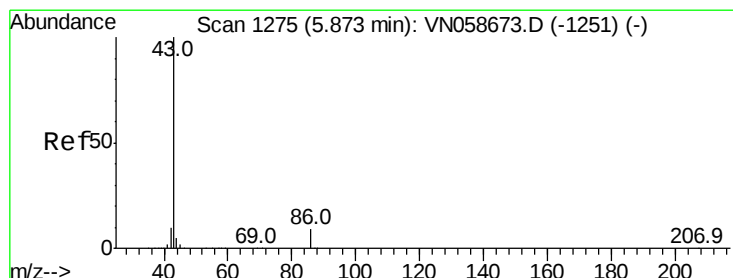
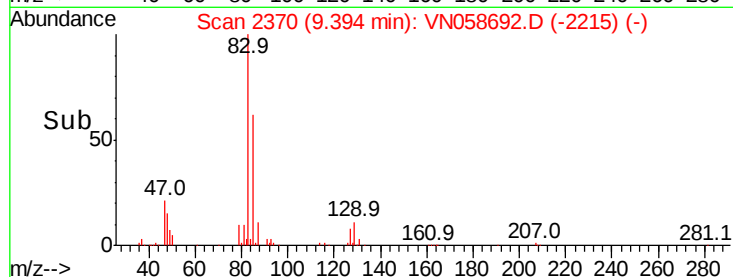
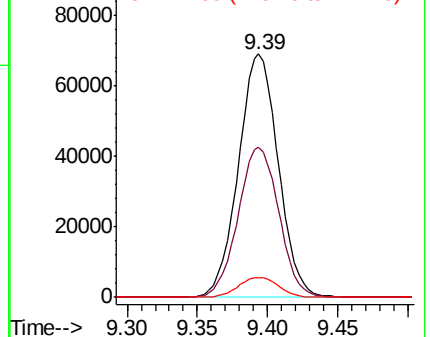
83 100

85 61.9 51.0 76.4

127 8.1 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VNC
Ion 85.00 (84.70 to 85.70): VNC
Ion 127.00 (126.70 to 127.70): VNC



#42

Vinyl Acetate

Concen: 108.286 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058692.D

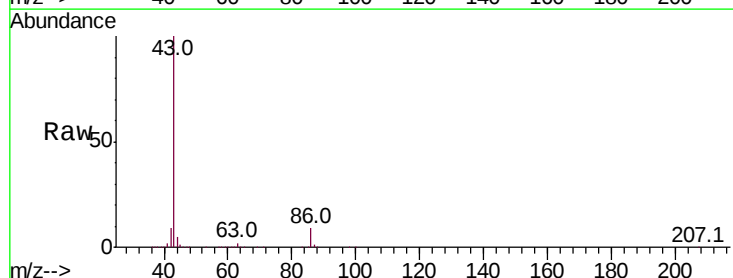
Acq: 11 Oct 2019 10:47

Tgt Ion: 43 Resp: 1356871

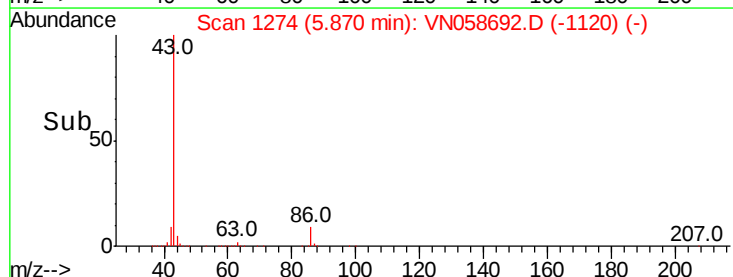
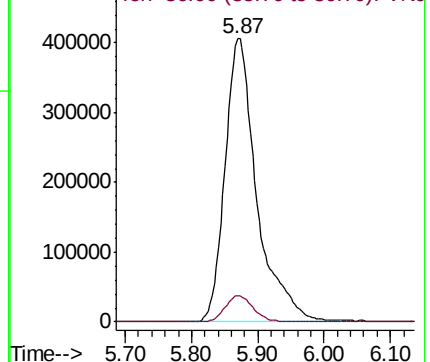
Ion Ratio Lower Upper

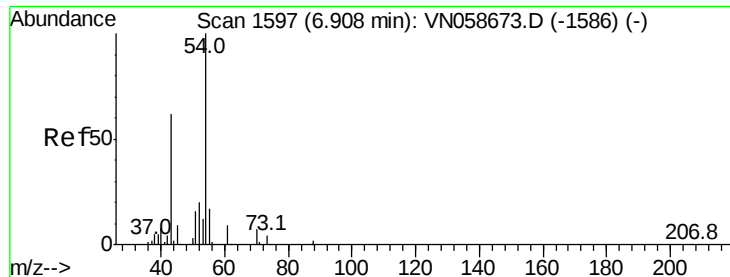
43 100

86 8.2 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 86.00 (85.70 to 86.70): VNC

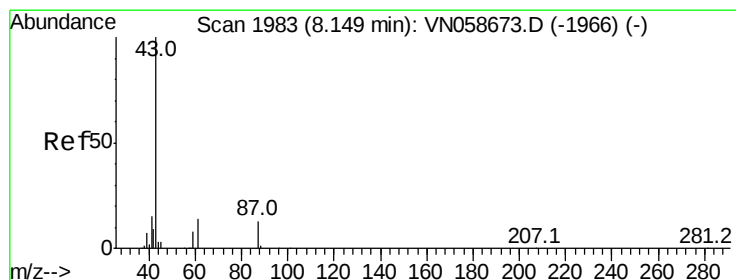
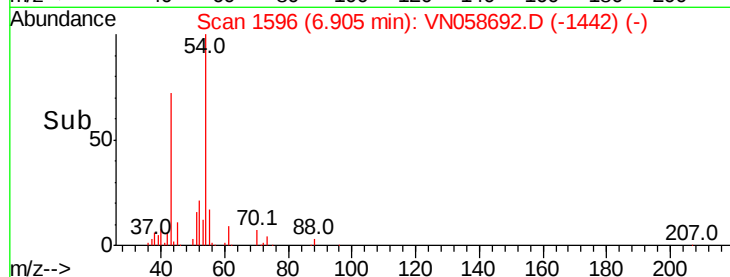
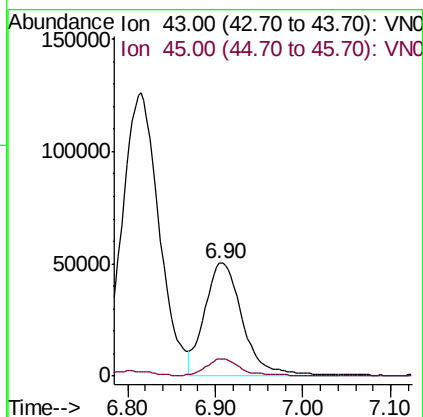
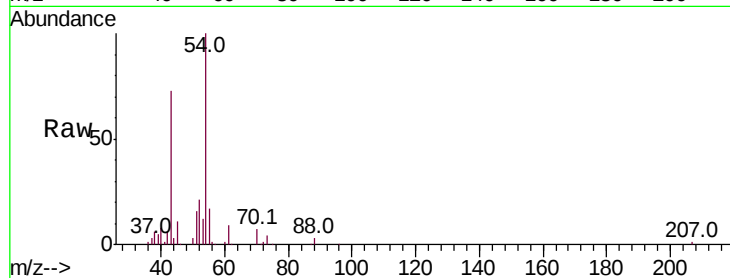




#43
Ethyl Acetate
Concen: 21.195 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

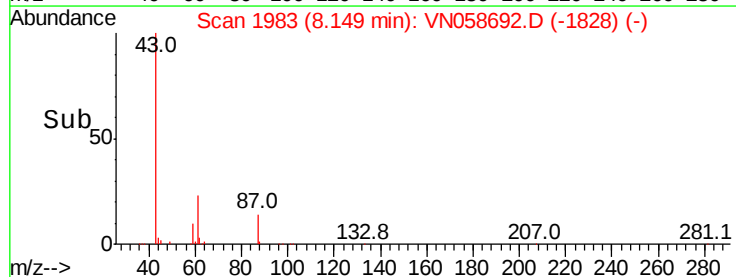
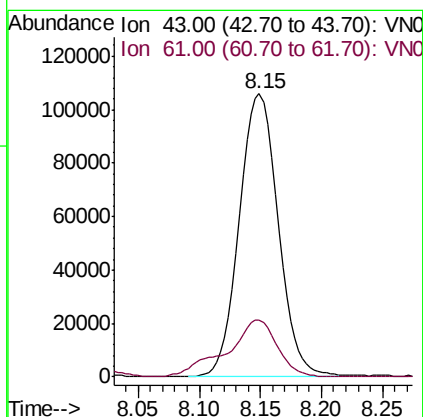
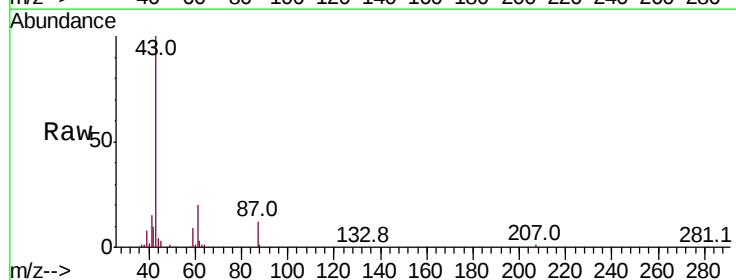
Instrument :
MSVOA_N
ClientSampleId :

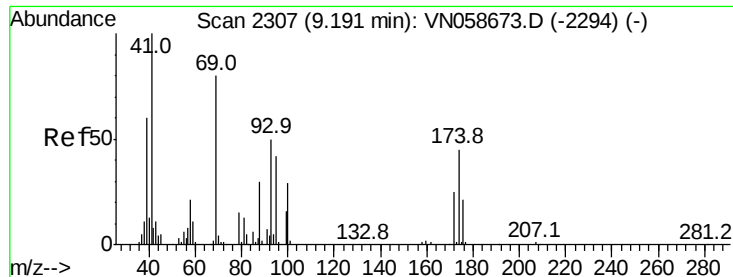
Tot Ion: 43 Resp: 148839
Ion Ratio Lower Upper
43 100
45 12.8 9.7 14.5



#44
Isopropyl Acetate
Concen: 20.437 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 43 Resp: 232471
Ion Ratio Lower Upper
43 100
61 26.4 19.9 29.9

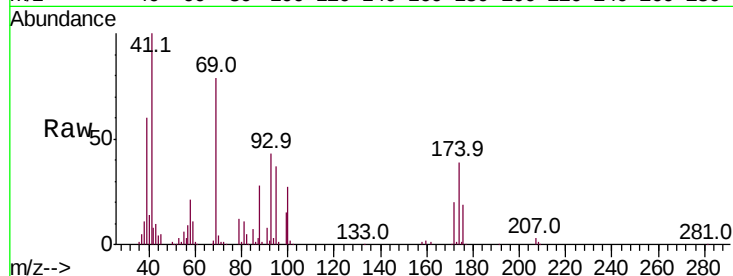




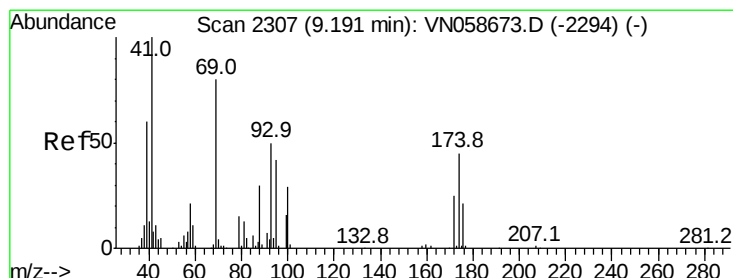
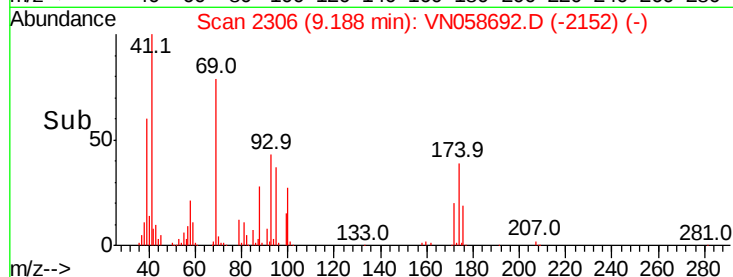
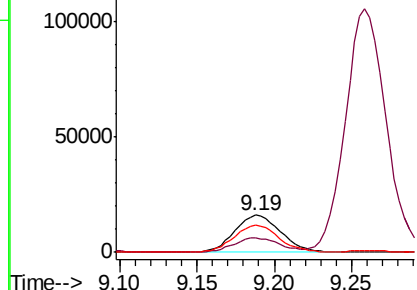
#45
1,4-Dioxane
Concen: 385.575 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 33678
Ion Ratio Lower Upper
88 100
43 37.6 29.8 44.8
58 72.1 58.2 87.4

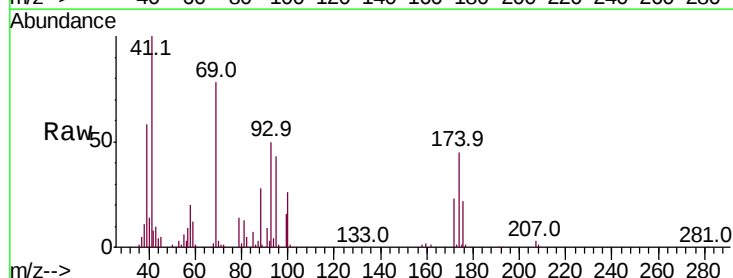


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

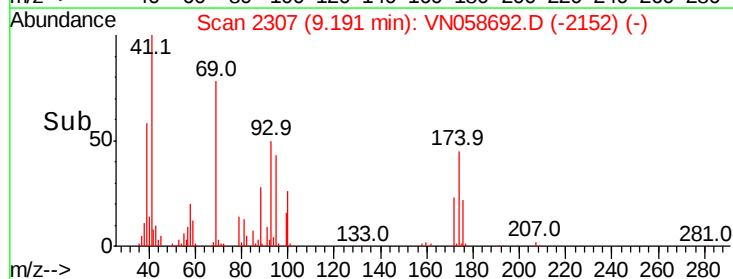
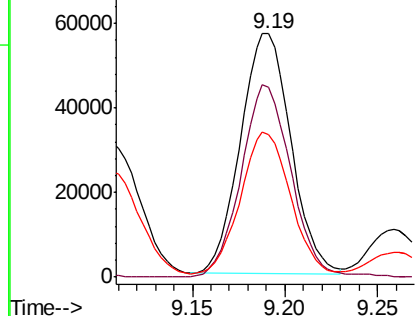


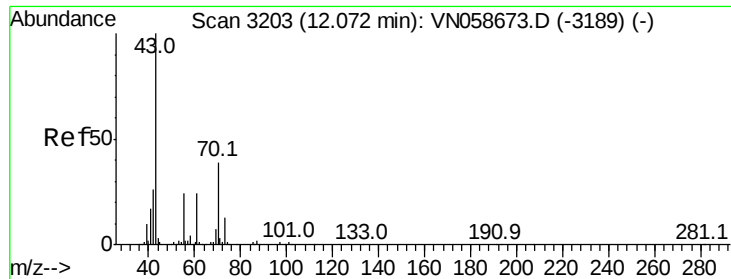
#46
Methyl methacrylate
Concen: 20.563 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 41 Resp: 107381
Ion Ratio Lower Upper
41 100
69 78.9 40.2 120.5
39 57.9 29.9 89.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

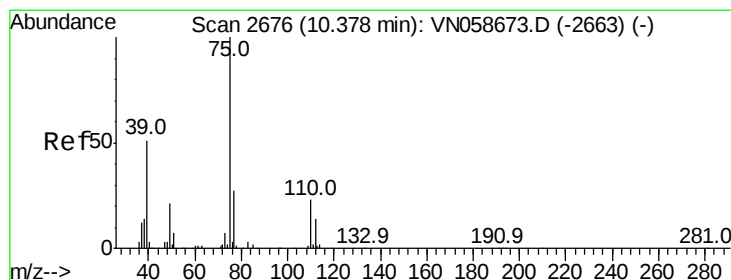
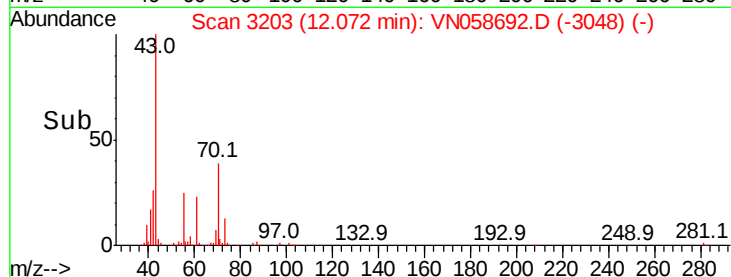
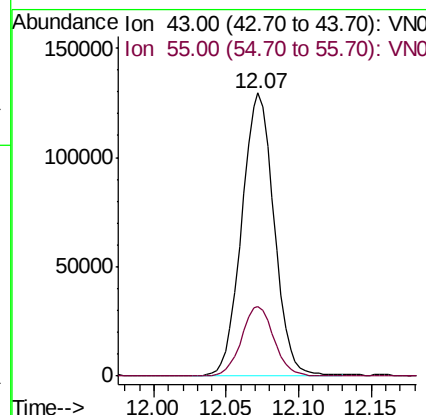
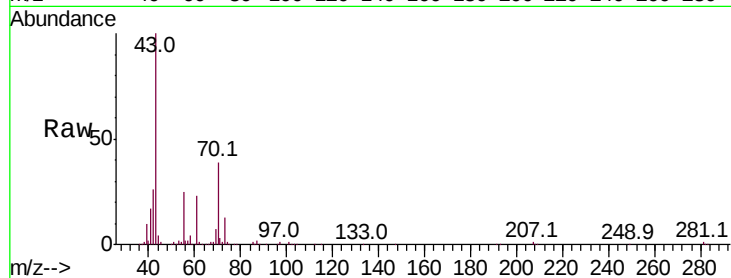




#47
n-amvl Acetate
Concen: 19.858 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

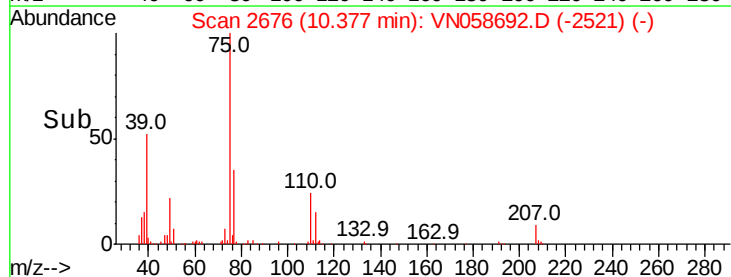
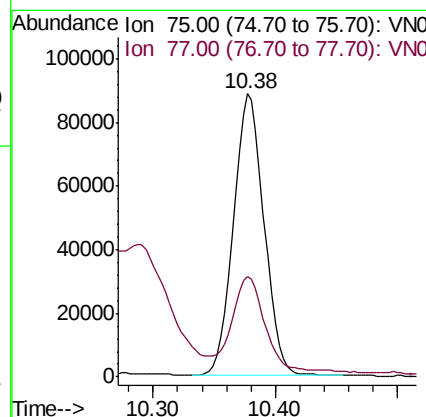
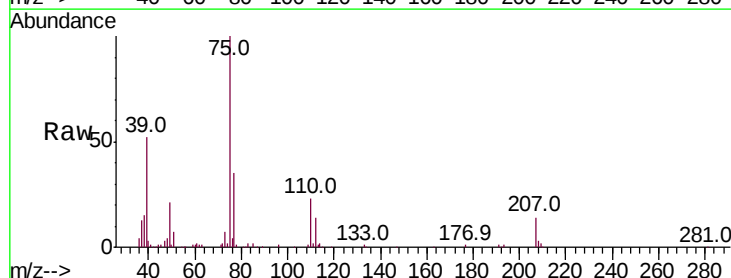
Instrument :
MSVOA_N
ClientSampleId :

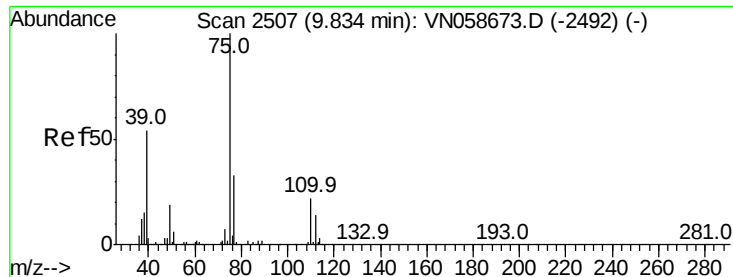
Tot Ion: 43 Resp: 200242
Ion Ratio Lower Upper
43 100
55 24.7 19.6 29.4



#48
t-1,3-Dichloropropene
Concen: 20.266 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 75 Resp: 154409
Ion Ratio Lower Upper
75 100
77 33.6 27.0 40.4



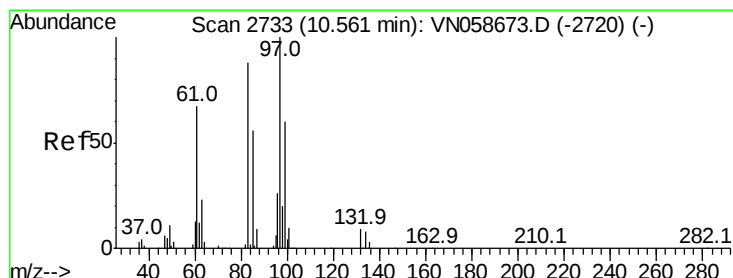
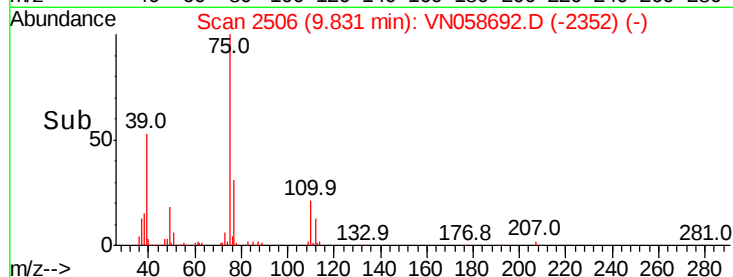
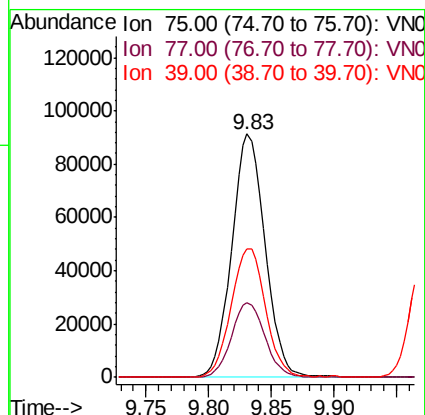
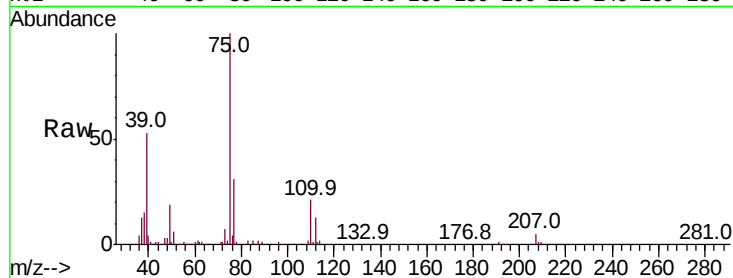


#49

cis-1,3-Dichloropropene
 Concen: 21.078 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Instrument :
 MSVOA_N
 ClientSampleId :

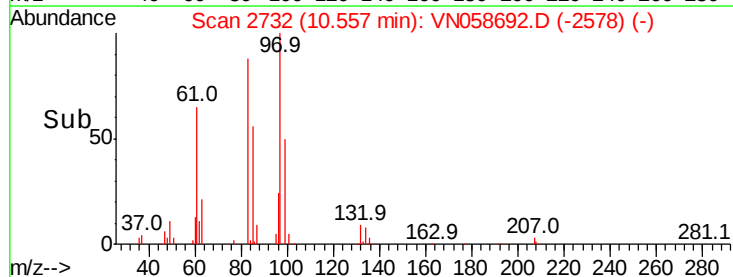
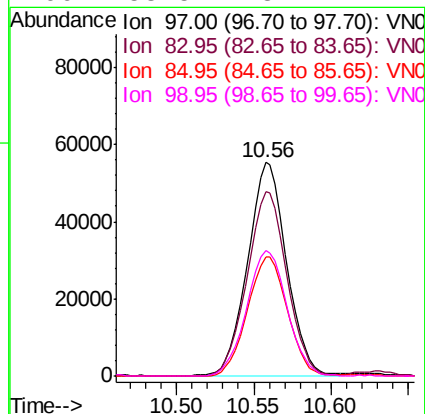
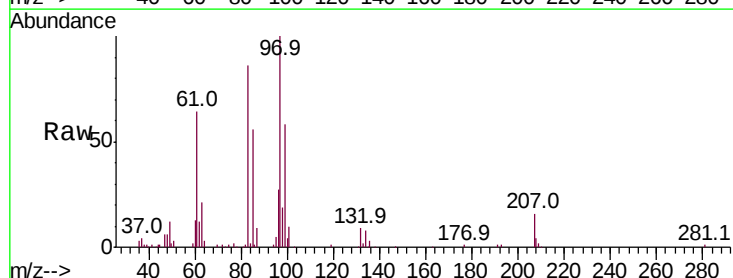
Tot Ion	Ratio	Lower	Upper
75	100		
77	30.7	26.1	39.1
39	52.9	43.1	64.7

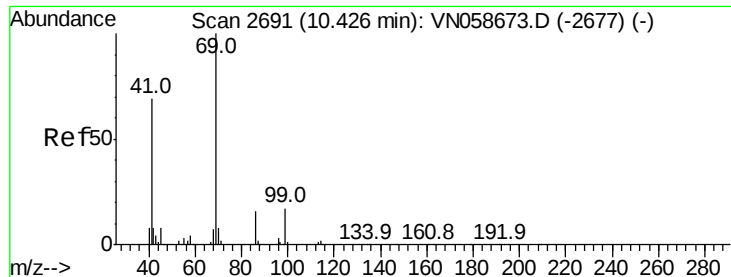


#50

1,1,2-Trichloroethane
 Concen: 21.183 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.7	106.1
85	55.6	45.1	67.7
99	58.5	48.2	72.4





#51

Ethyl methacrylate

Concen: 20.040 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

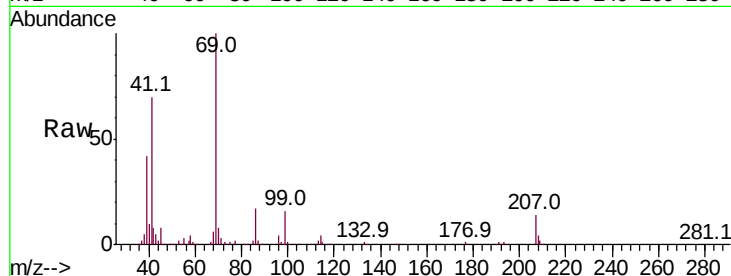
Tot Ion: 69 Resp: 147103

Ion Ratio Lower Upper

69 100

41 69.9 34.7 104.1

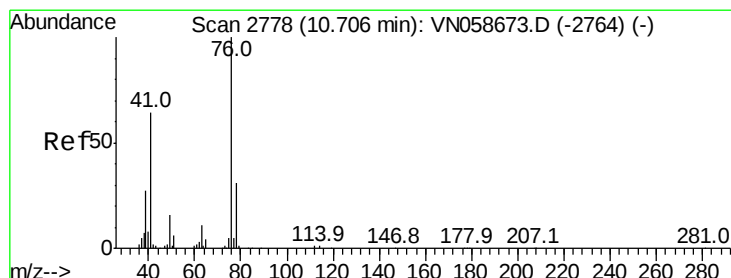
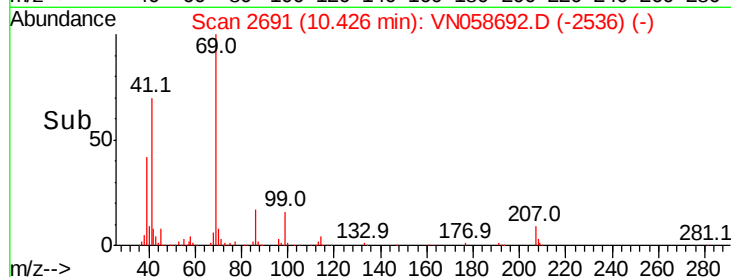
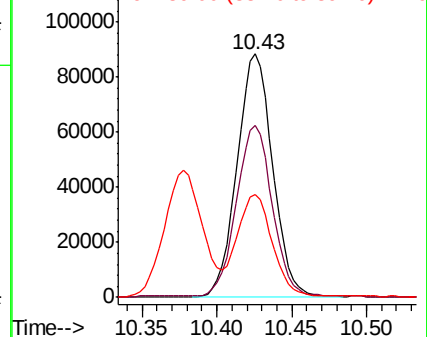
39 41.9 20.3 60.8



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



#52

1,3-Dichloropropane

Concen: 20.589 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058692.D

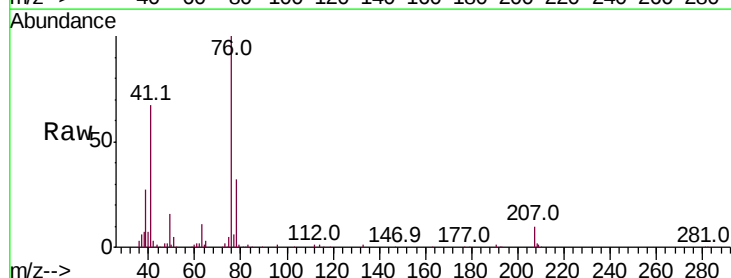
Acq: 11 Oct 2019 10:47

Tgt Ion: 76 Resp: 168318

Ion Ratio Lower Upper

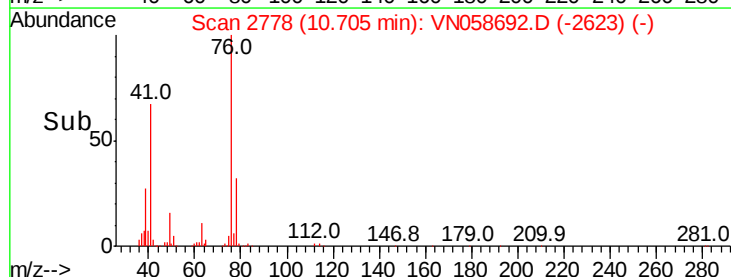
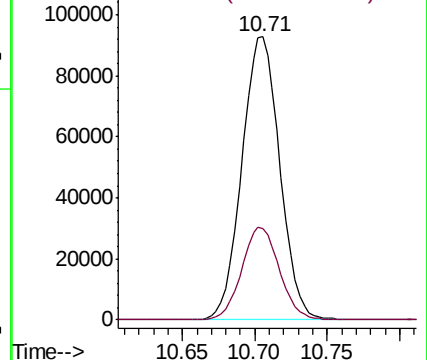
76 100

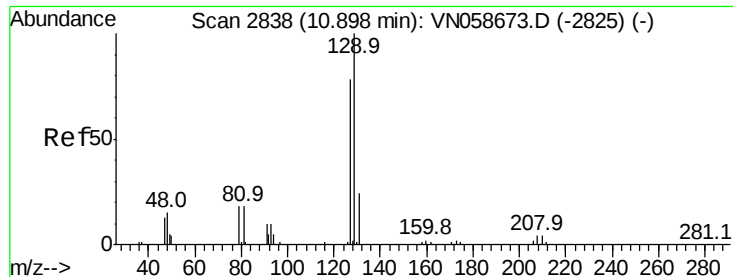
78 32.5 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

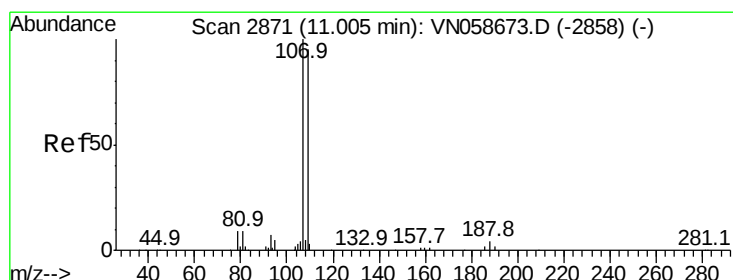
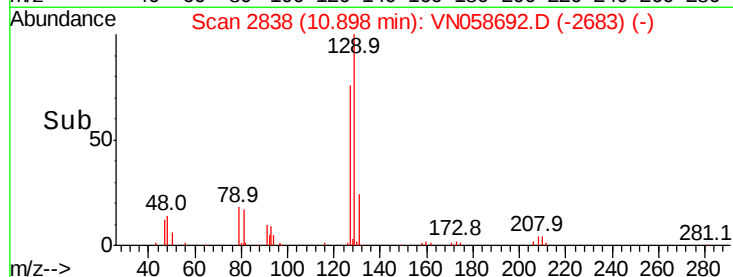
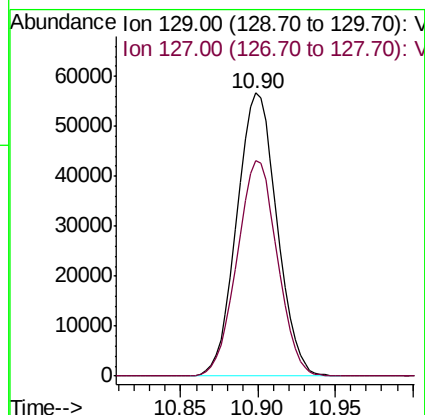
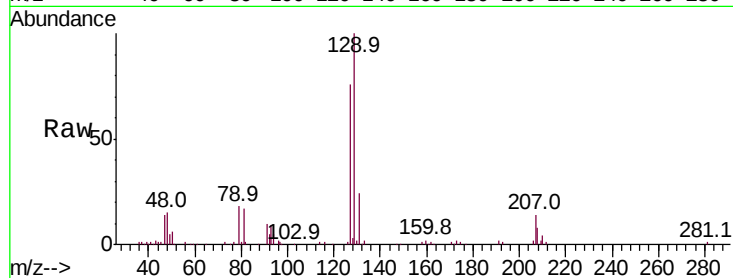




#53
 Dibromochloromethane
 Concen: 20.759 ug/l
 RT: 10.90 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

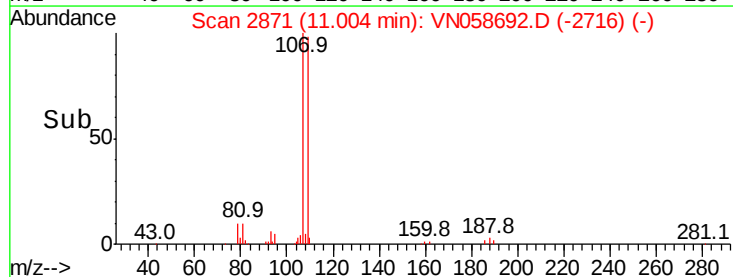
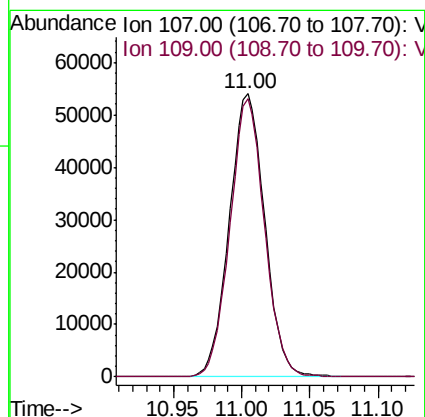
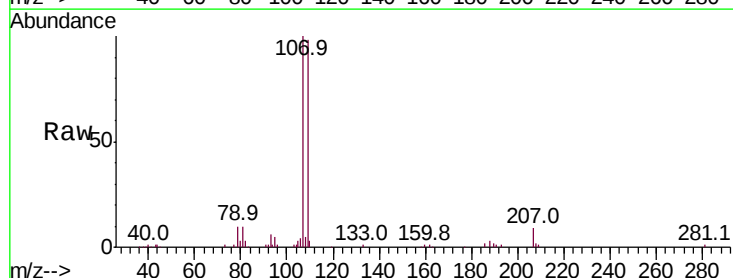
Instrument :
 MSVOA_N
 ClientSampleId :

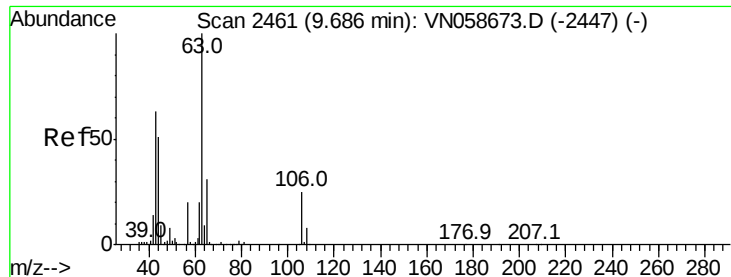
Tot Ion:129 Resp: 102272
 Ion Ratio Lower Upper
 129 100
 127 76.3 39.1 117.5



#54
 1,2-Dibromoethane
 Concen: 20.499 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion:107 Resp: 97539
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.2 114.4





#55

2-Chloroethyl vinyl ether

Concen: 102.855 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

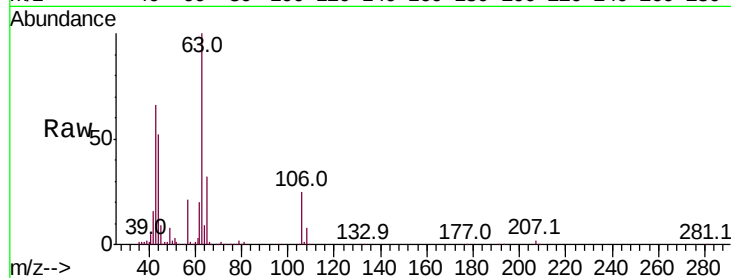
Tot Ion: 63 Resp: 375560

Ion Ratio Lower Upper

63 100

65 31.6 25.3 37.9

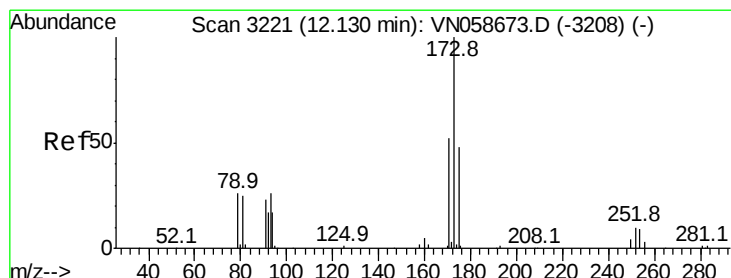
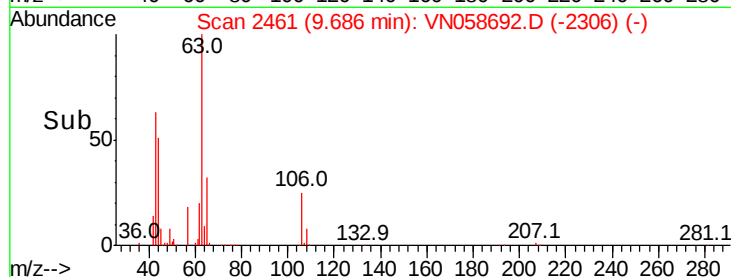
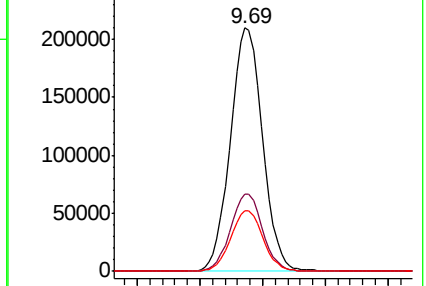
106 25.1 19.8 29.6



Abundance Ion 63.00 (62.70 to 63.70): VN058673.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058673.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058673.D (-2447) (-)



#56

Bromoform

Concen: 20.087 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

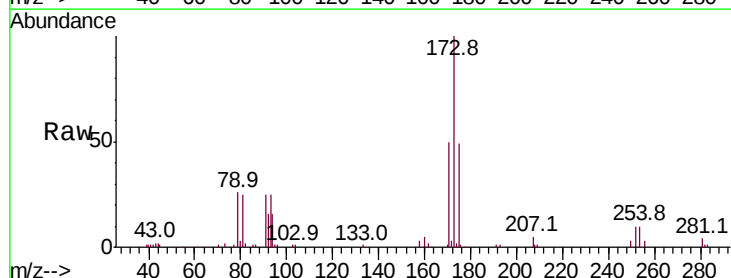
Tgt Ion:173 Resp: 68936

Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

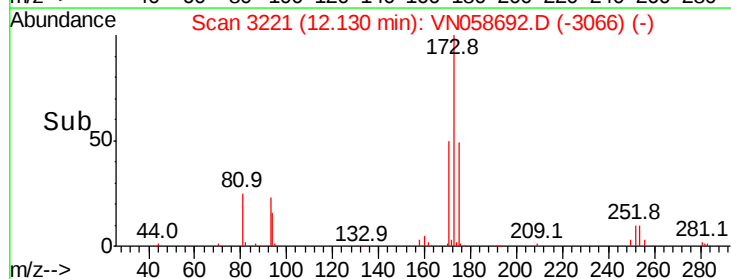
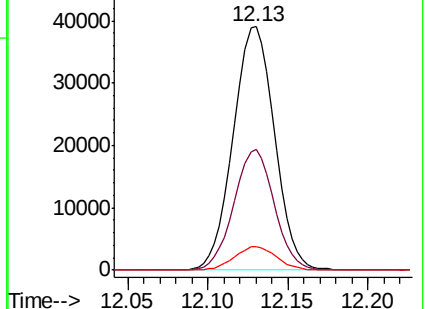
254 9.8 7.4 11.2

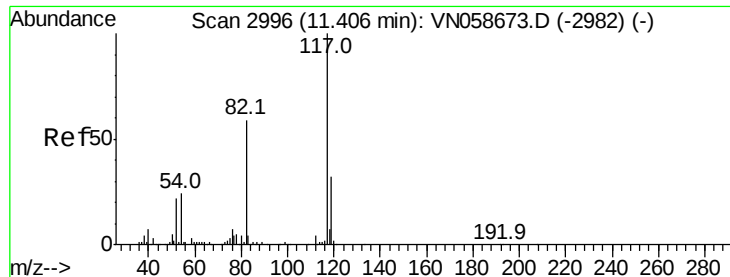


Abundance Ion 173.00 (172.70 to 173.70): VN058673.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058673.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058673.D (-3208) (-)

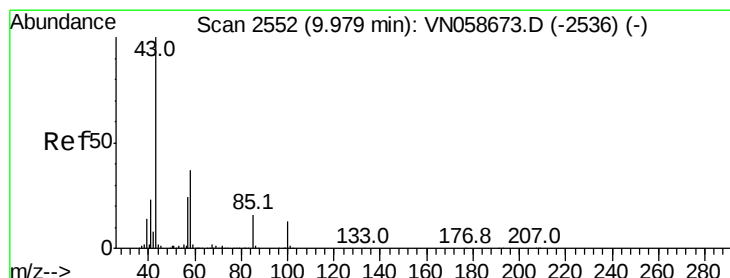
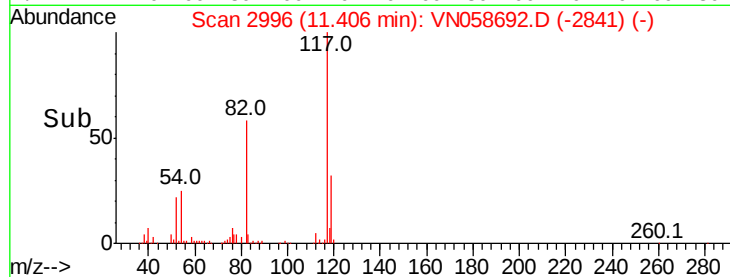
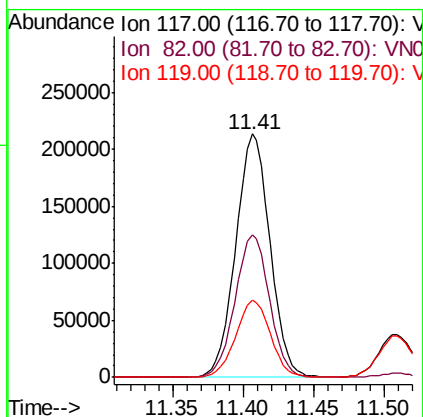
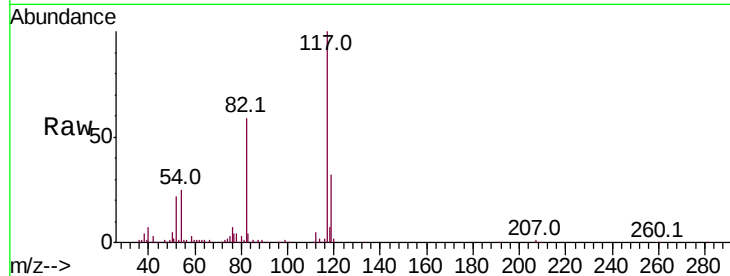




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

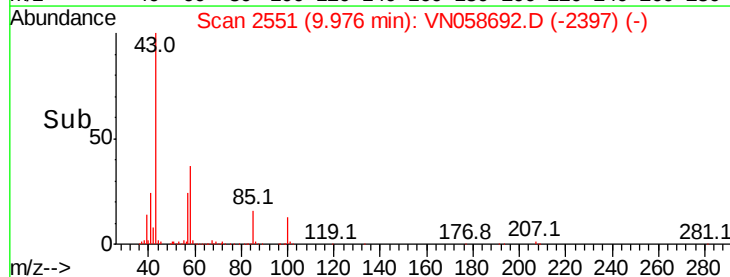
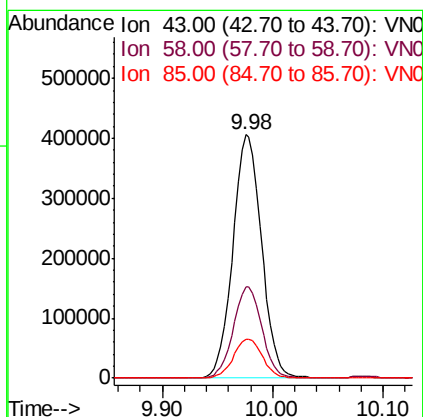
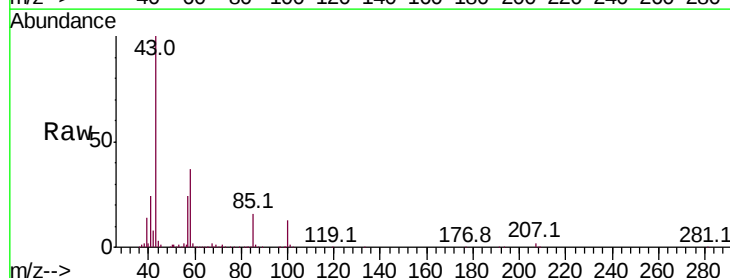
Instrument :
MSVOA_N
ClientSampled :

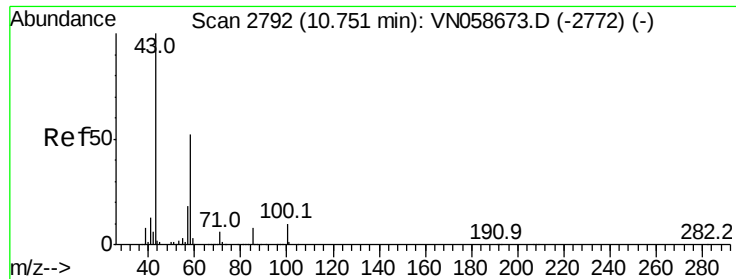
Tot Ion:117 Resp: 364126
Ion Ratio Lower Upper
117 100
82 58.7 46.9 70.3
119 32.1 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 110.085 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 43 Resp: 731253
Ion Ratio Lower Upper
43 100
58 37.4 30.1 45.1
85 16.2 13.2 19.8

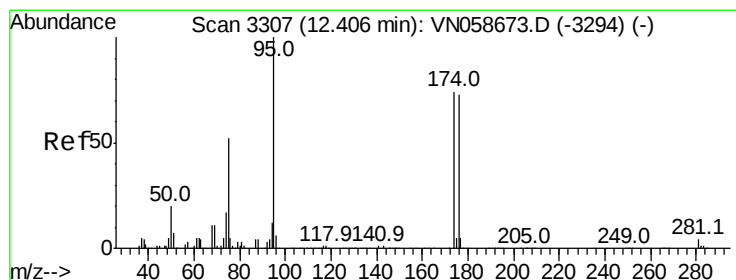
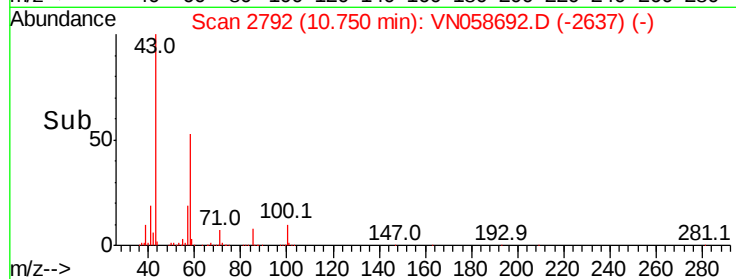
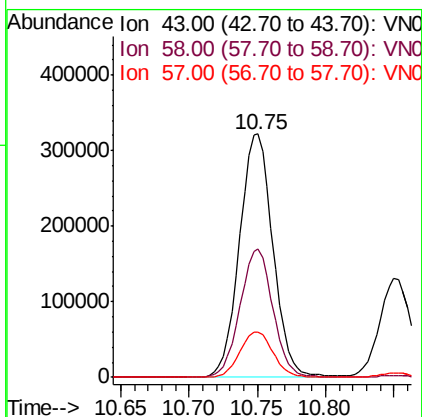
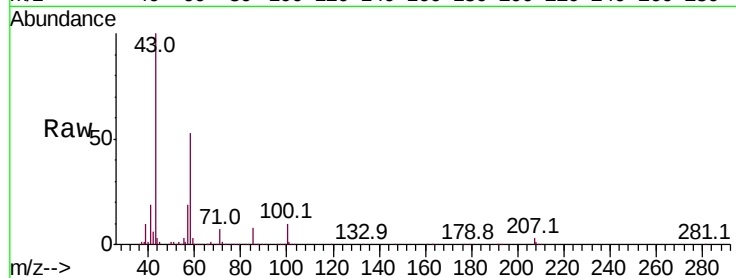




#59
2-Hexanone
Concen: 105.116 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

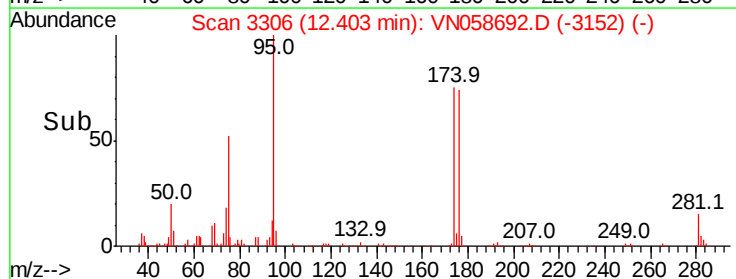
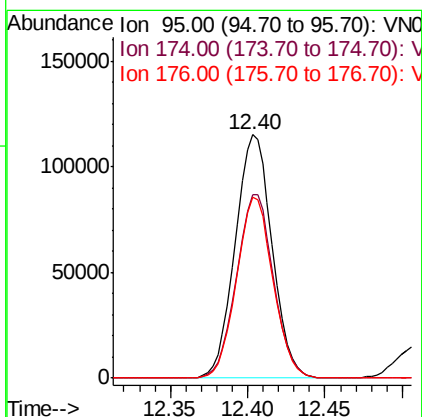
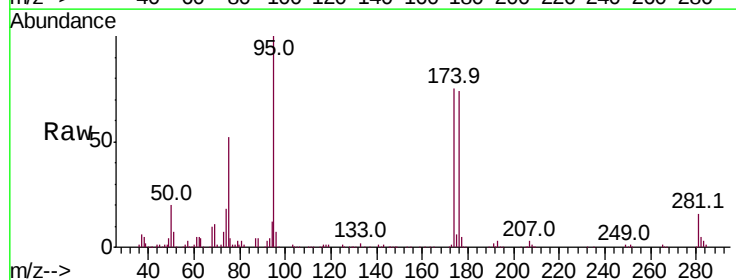
Instrument :
MSVOA_N
ClientSampleId :

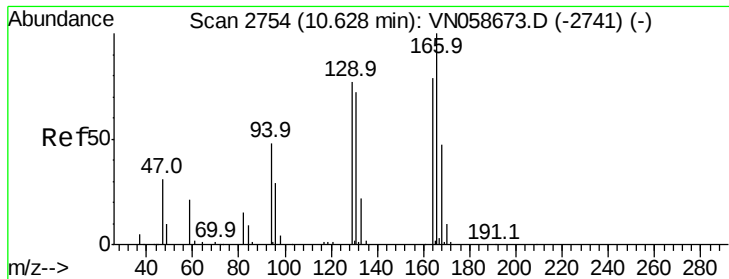
Tot Ion: 43 Resp: 547404
Ion Ratio Lower Upper
43 100
58 51.9 41.4 62.0
57 18.6 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 29.879 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 95 Resp: 190315
Ion Ratio Lower Upper
95 100
174 75.8 59.9 89.9
176 73.7 58.3 87.5





#61

Tetrachloroethene

Concen: 21.520 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 84675

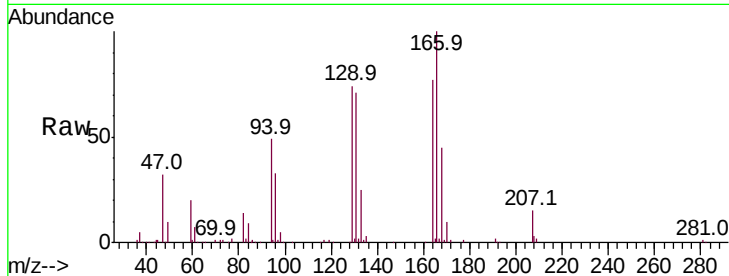
Ion Ratio Lower Upper

164 100

166 129.4 101.4 152.2

129 96.1 78.1 117.1

131 92.3 73.2 109.8

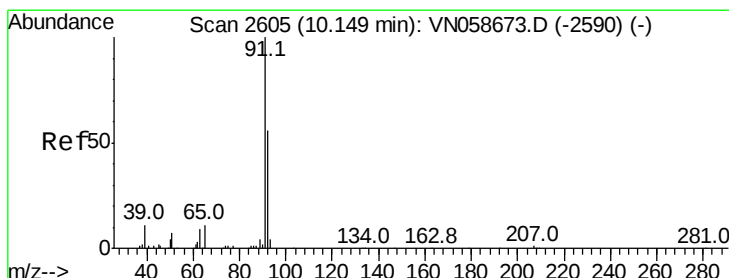
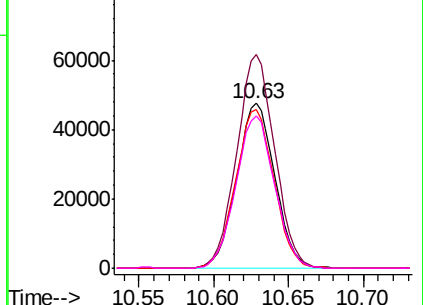
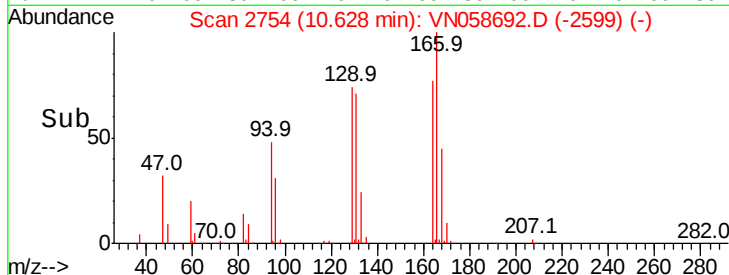


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 21.088 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058692.D

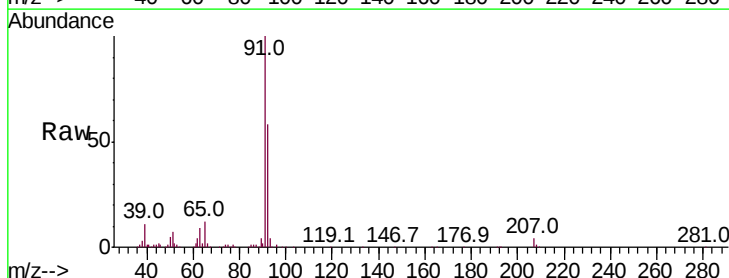
Acq: 11 Oct 2019 10:47

Tgt Ion: 91 Resp: 413048

Ion Ratio Lower Upper

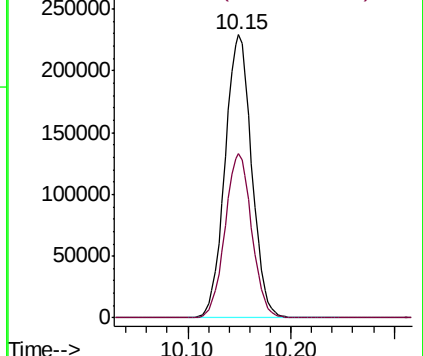
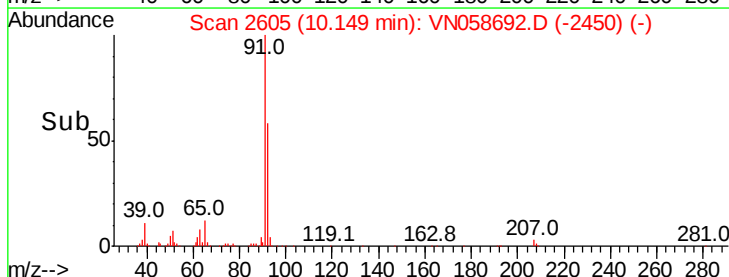
91 100

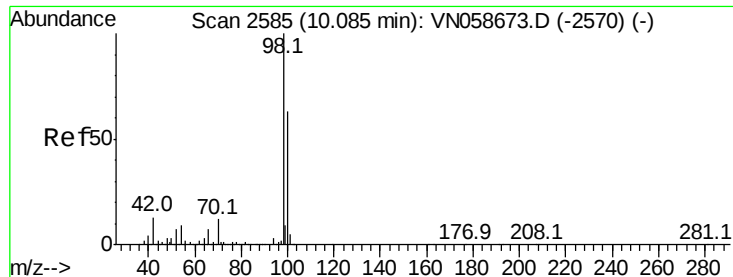
92 58.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.291 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

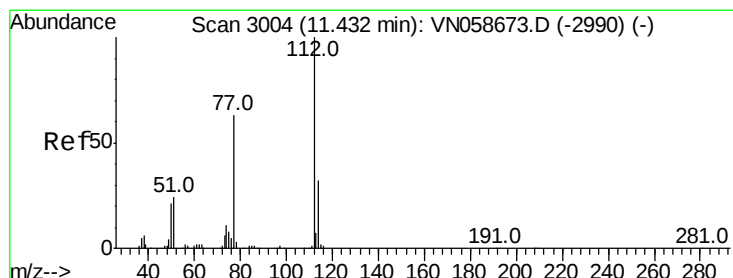
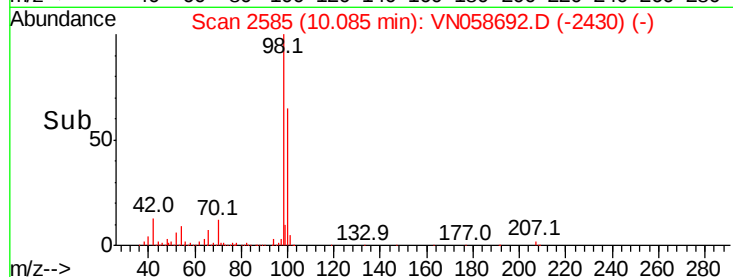
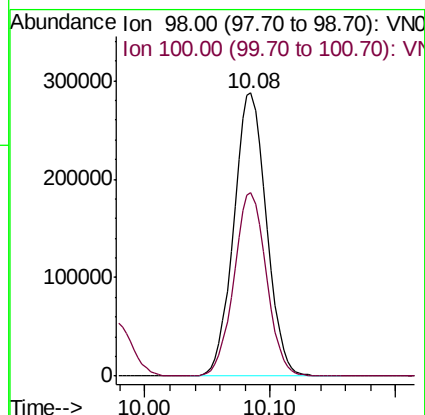
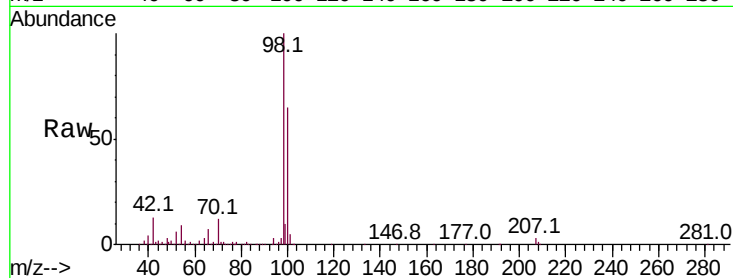
ClientSampleId :

Tot Ion: 98 Resp: 520778

Ion Ratio Lower Upper

98 100

100 64.3 50.6 75.8



#64

Chlorobenzene

Concen: 20.916 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058692.D

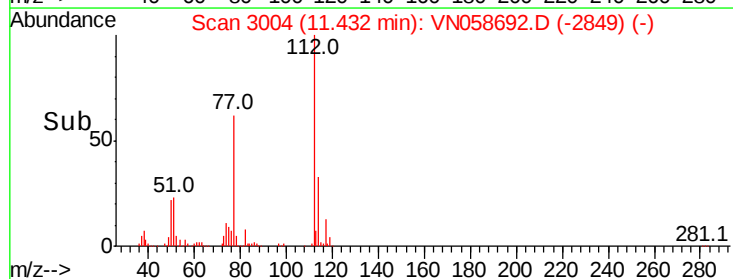
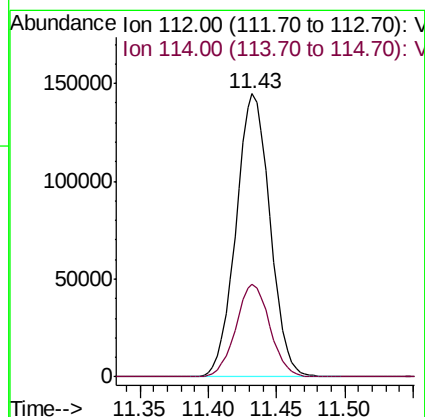
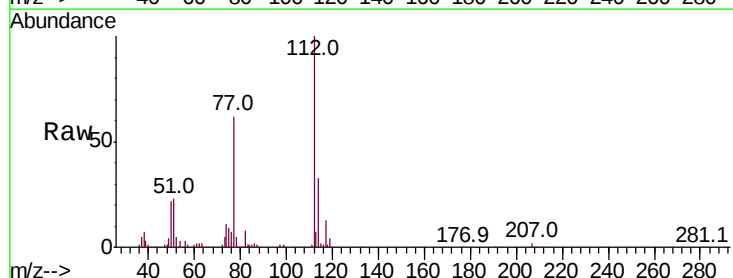
Acq: 11 Oct 2019 10:47

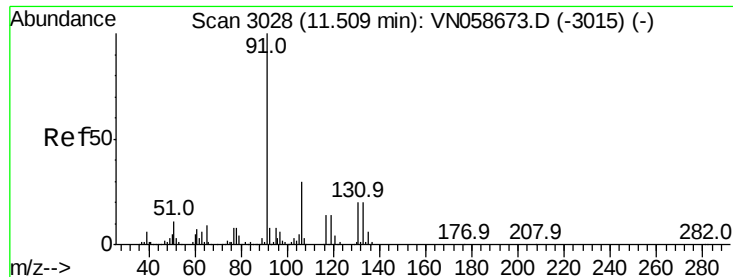
Tgt Ion: 112 Resp: 250468

Ion Ratio Lower Upper

112 100

114 32.6 25.7 38.5





#65

1,1,1,2-Tetrachloroethane

Concen: 21.034 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

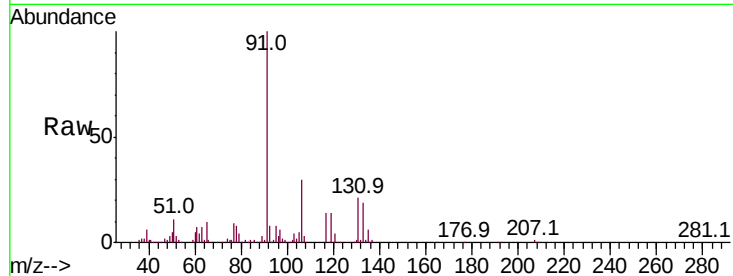
Tot Ion:131 Resp: 94445

Ion Ratio Lower Upper

131 100

133 96.0 0.0 194.0

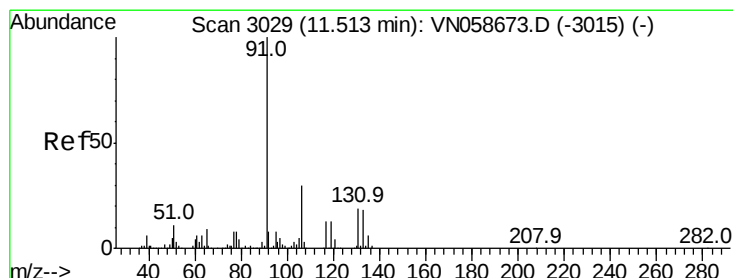
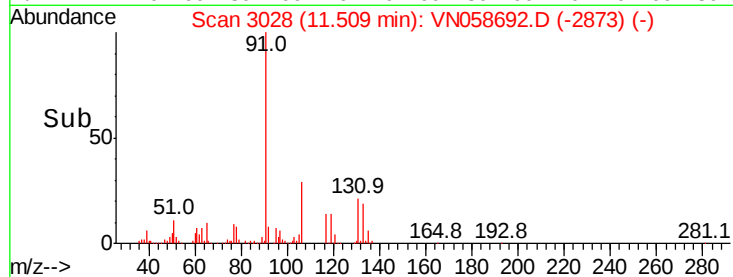
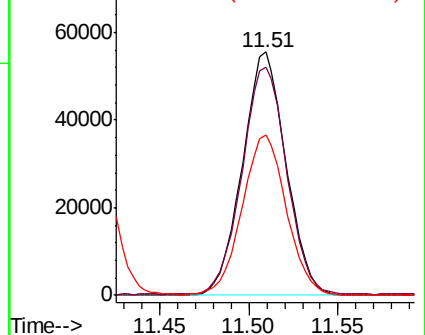
119 67.4 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.861 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058692.D

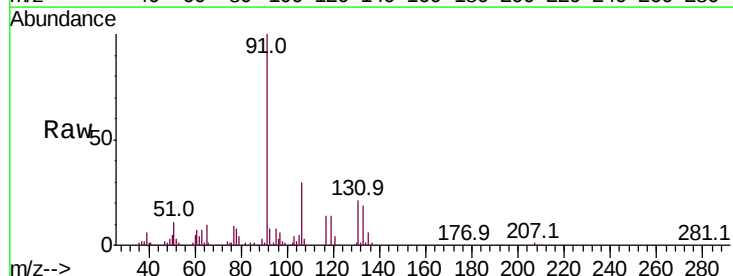
Acq: 11 Oct 2019 10:47

Tgt Ion: 91 Resp: 452437

Ion Ratio Lower Upper

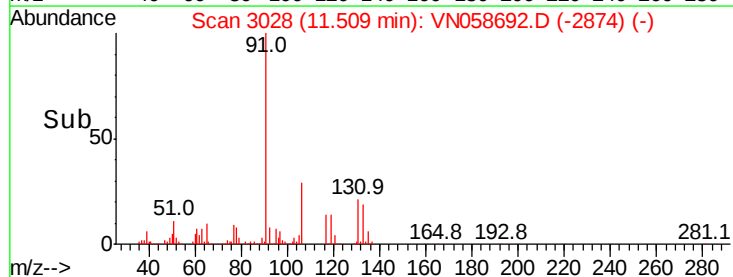
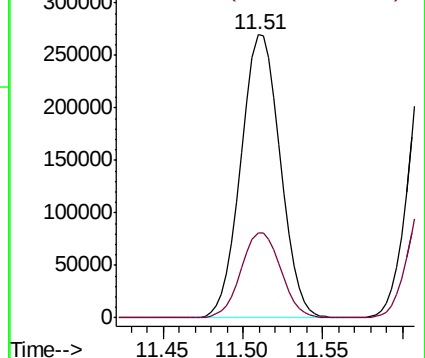
91 100

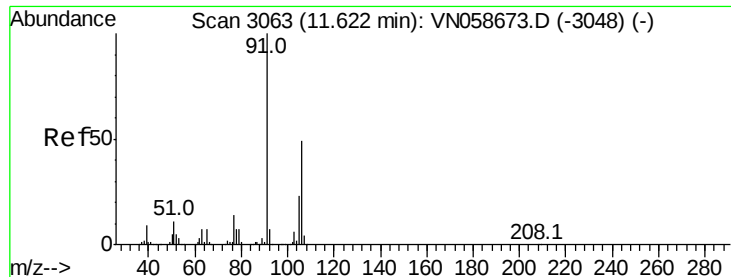
106 29.8 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

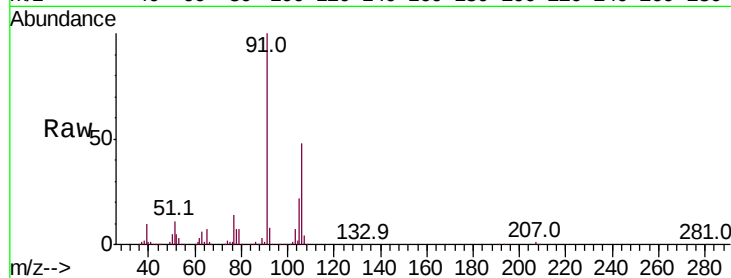




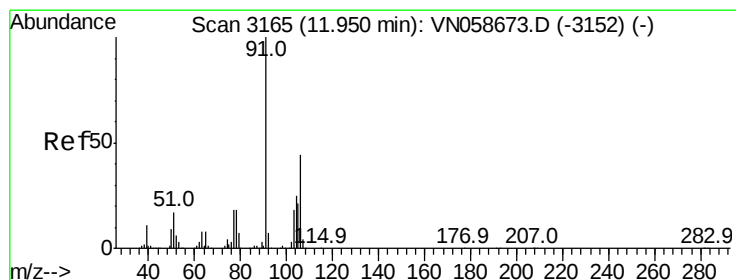
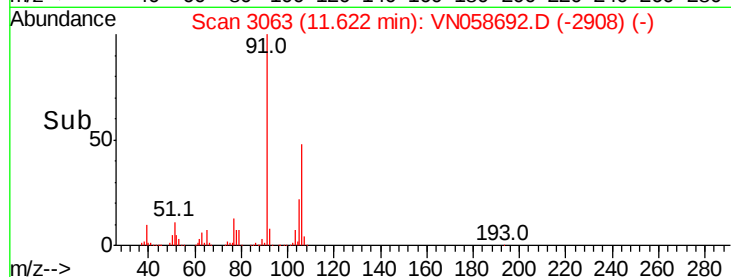
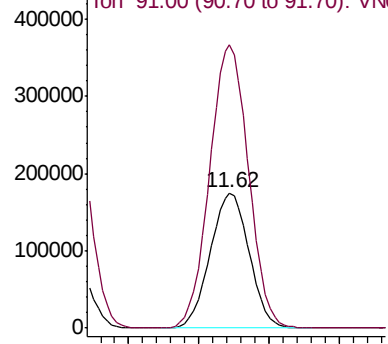
#67
m/p-Xylenes
Concen: 41.753 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 338310
Ion Ratio Lower Upper
106 100
91 208.5 165.6 248.4

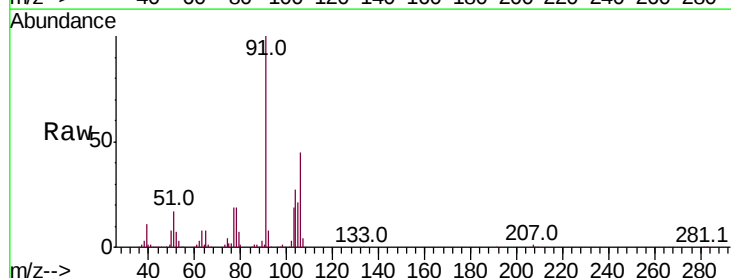


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

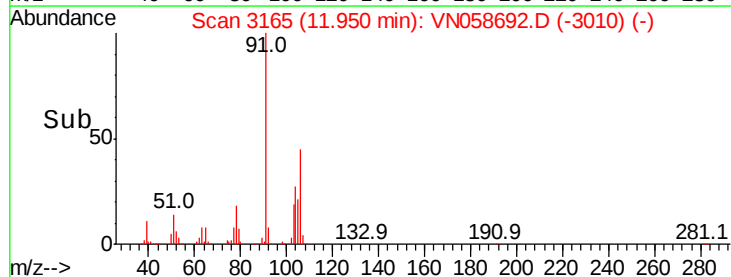
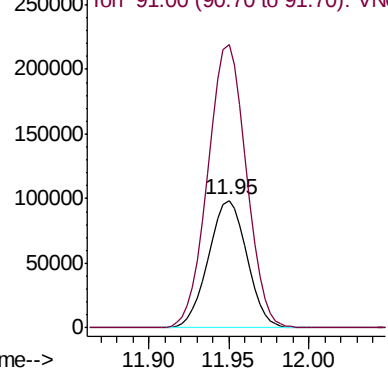


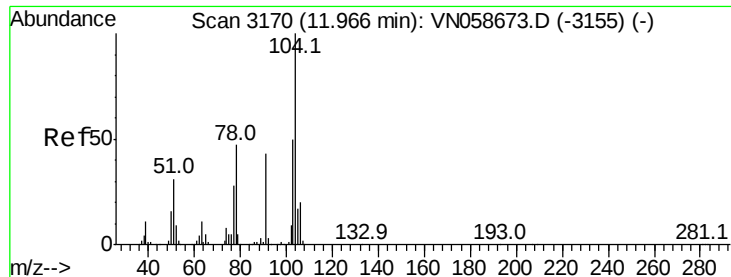
#68
o-Xylene
Concen: 20.691 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion:106 Resp: 162526
Ion Ratio Lower Upper
106 100
91 221.0 109.8 329.4



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

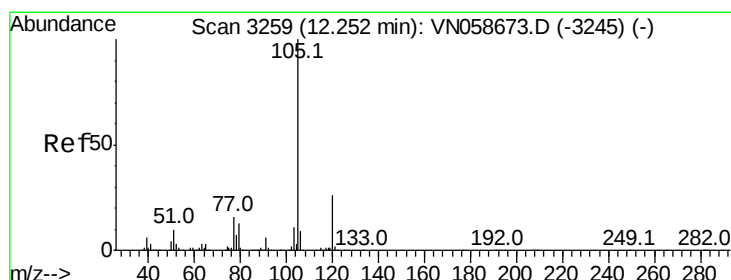
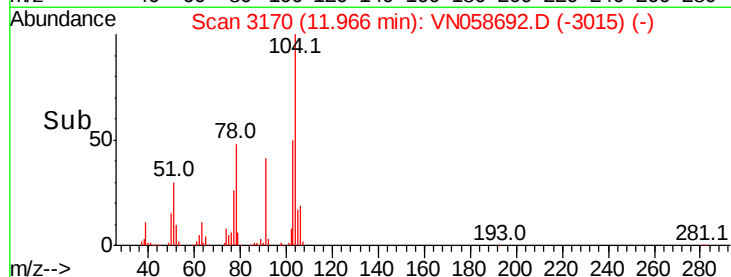
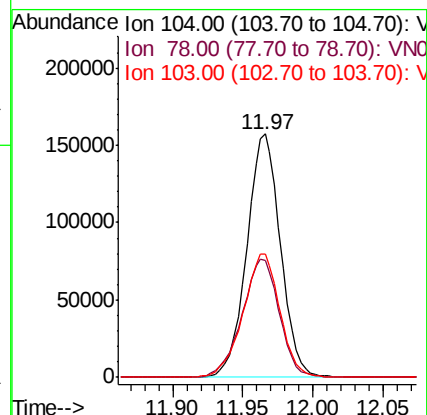
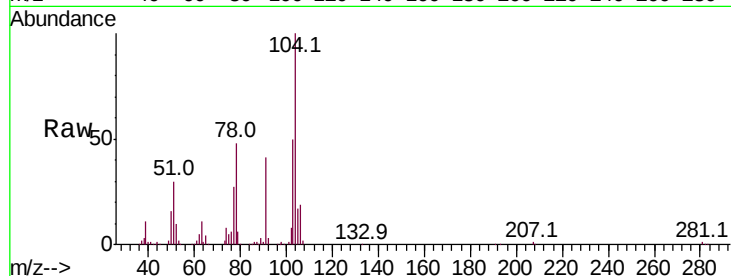




#69
Stvrene
Concen: 20.268 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

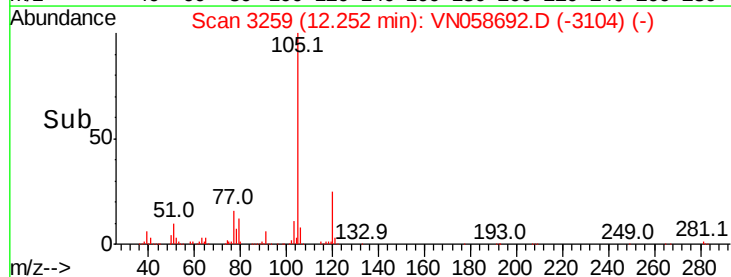
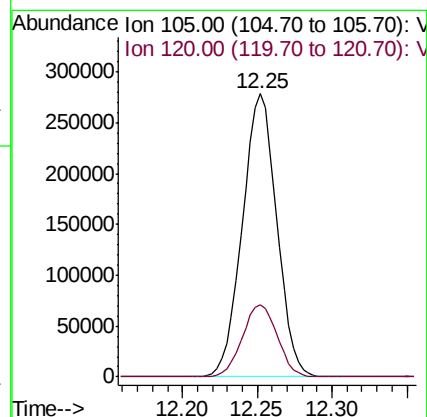
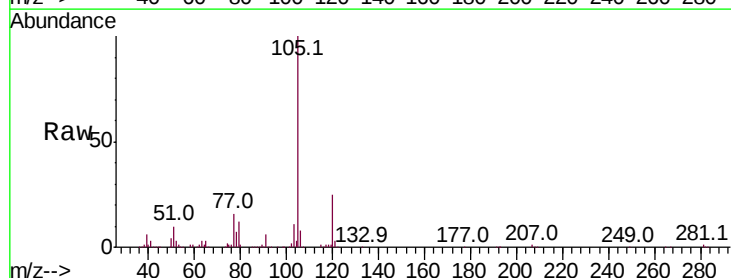
Instrument :
MSVOA_N
ClientSampleId :

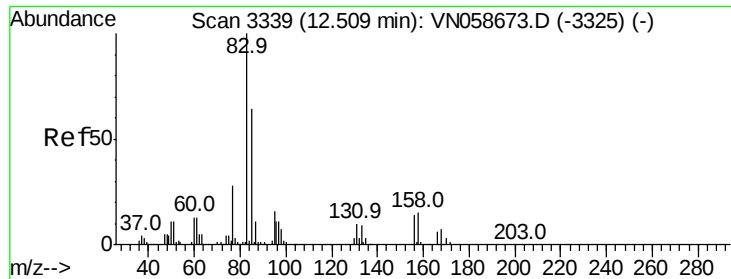
Tot Ion	Ratio	Lower	Upper
104	100		
78	53.8	42.4	63.6
103	55.5	44.6	66.8



#70
Isopropylbenzene
Concen: 21.010 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.4	34.2

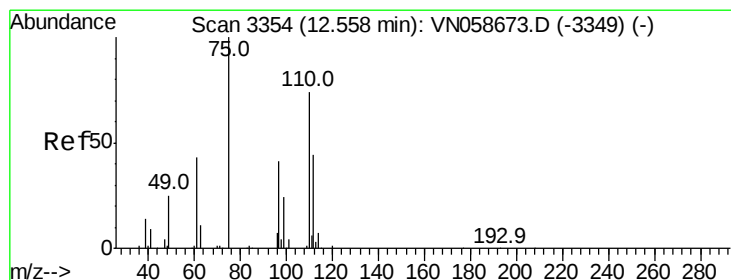
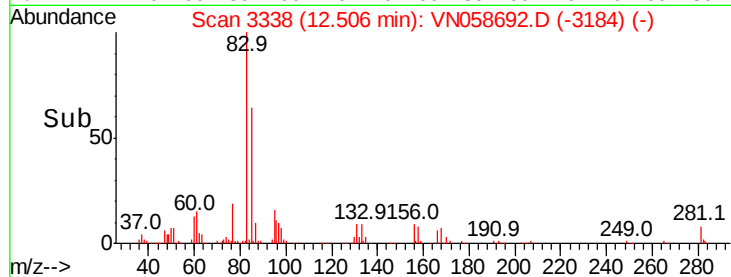
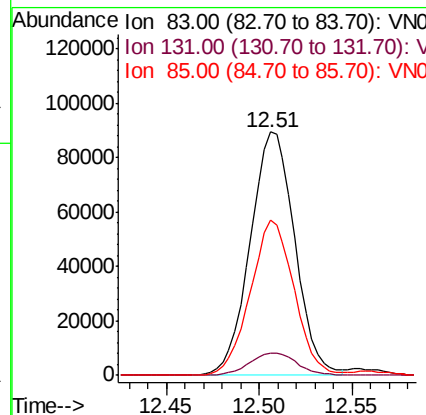
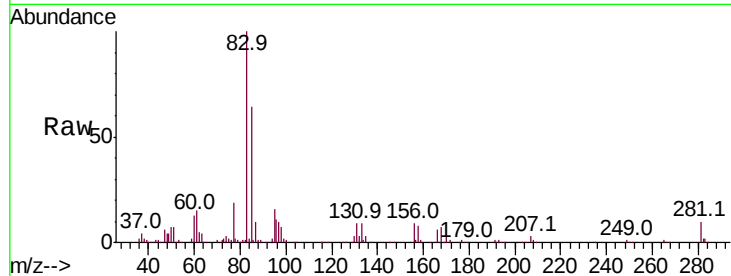




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.932 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

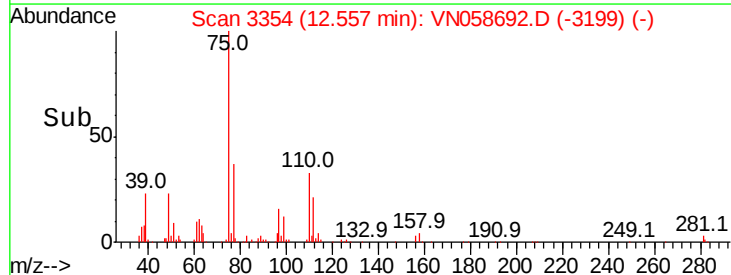
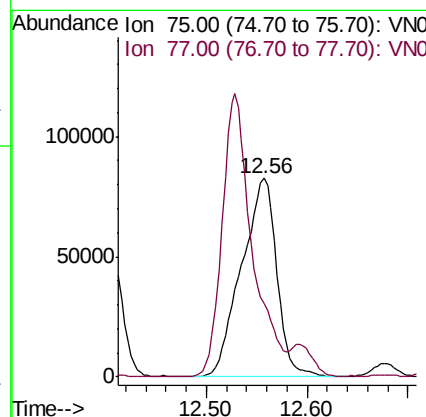
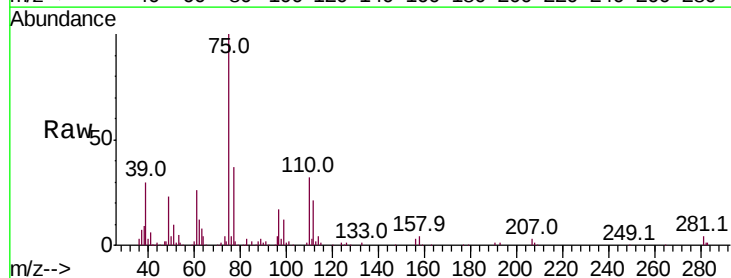
Instrument :
 MSVOA_N
 ClientSampled :

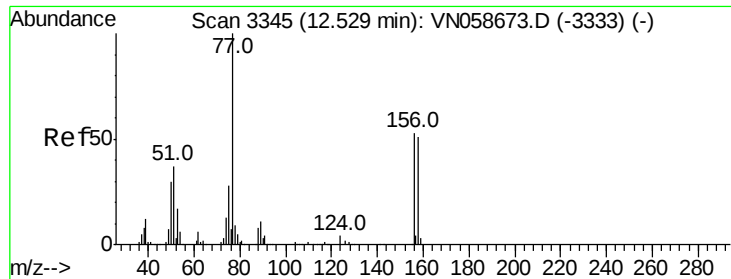
Tot Ion	83	Resp	149447
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	62.5	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 30.784 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	75	Resp	199154
Ion Ratio	100	Lower	Upper
75	100		
77	123.4	0.0	359.4





#73

Bromobenzene

Concen: 20.261 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampleId :

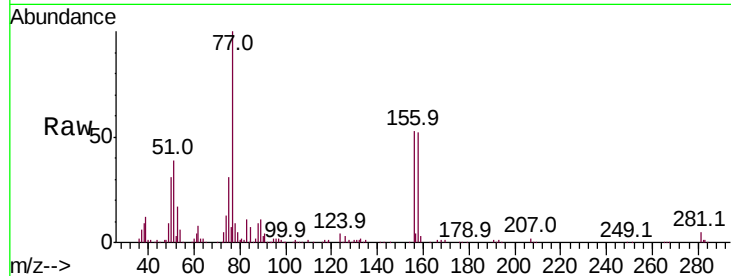
Tot Ion:156 Resp: 104367

Ion Ratio Lower Upper

156 100

77 235.5 0.0 456.0

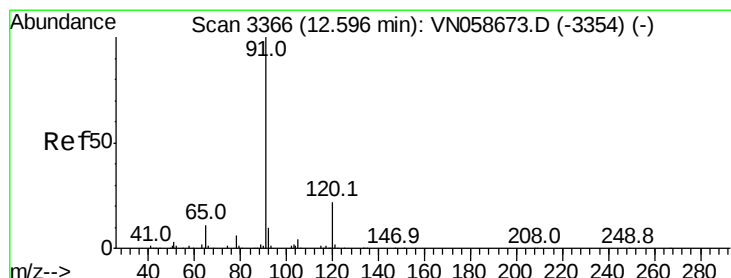
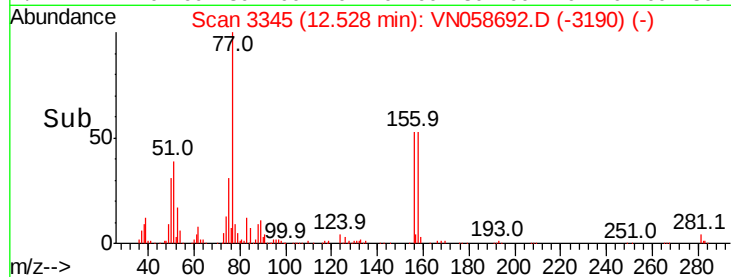
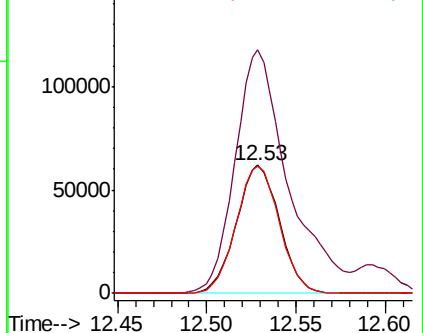
158 99.5 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.263 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058692.D

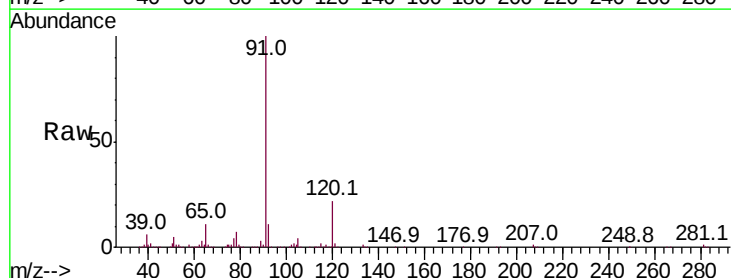
Acq: 11 Oct 2019 10:47

Tgt Ion: 91 Resp: 527812

Ion Ratio Lower Upper

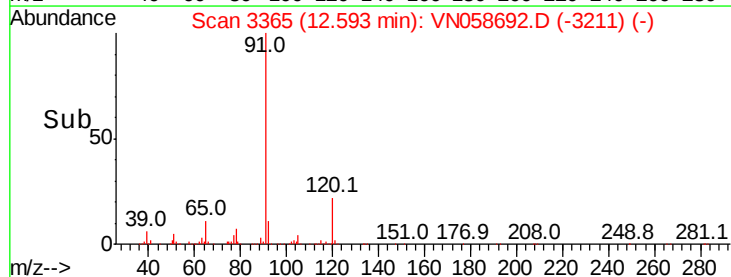
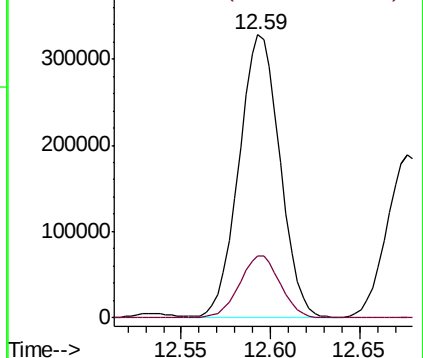
91 100

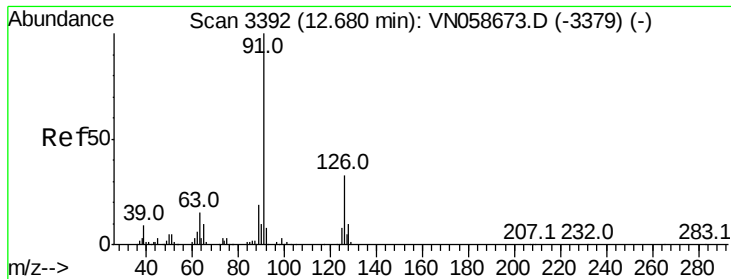
120 21.7 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 21.099 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

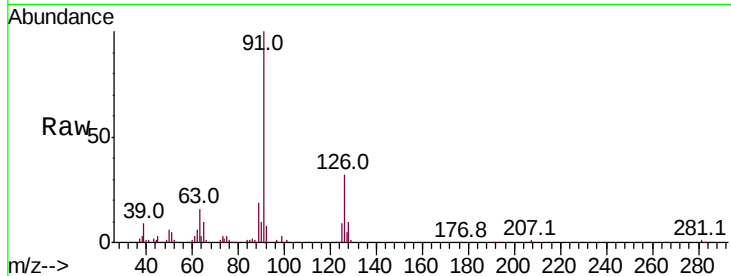
ClientSampleId :

Tot Ion: 91 Resp: 315126

Ion Ratio Lower Upper

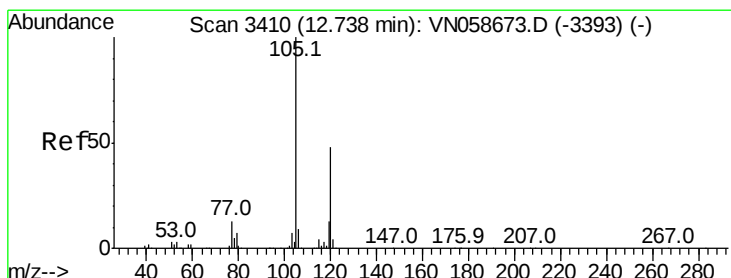
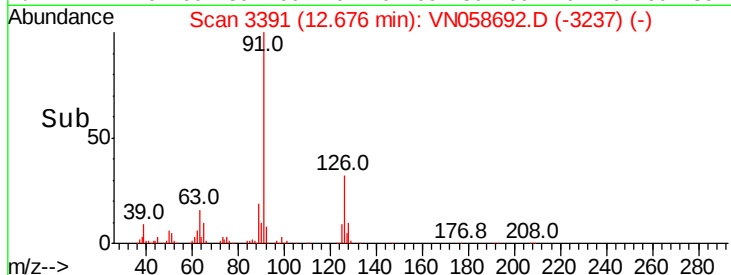
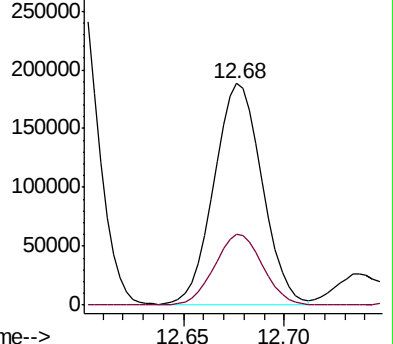
91 100

126 32.2 0.0 65.4



Abundance Ion 91.00 (90.70 to 91.70): VN058673.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058673.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 20.860 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058692.D

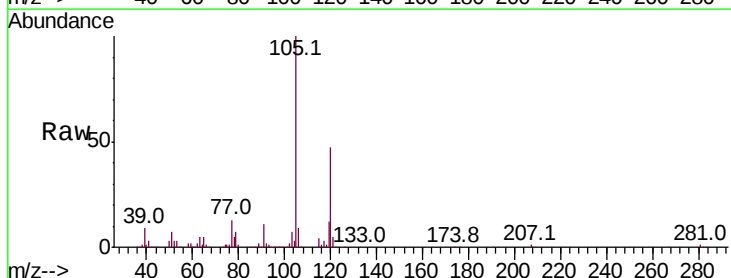
Acq: 11 Oct 2019 10:47

Tgt Ion: 105 Resp: 378902

Ion Ratio Lower Upper

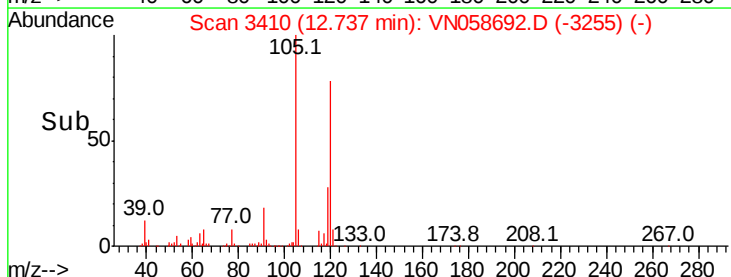
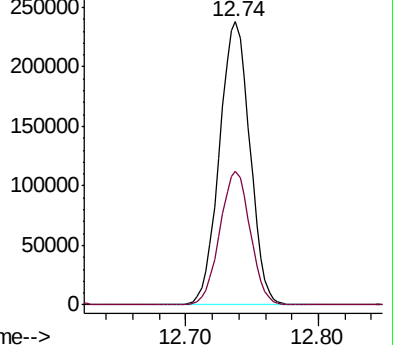
105 100

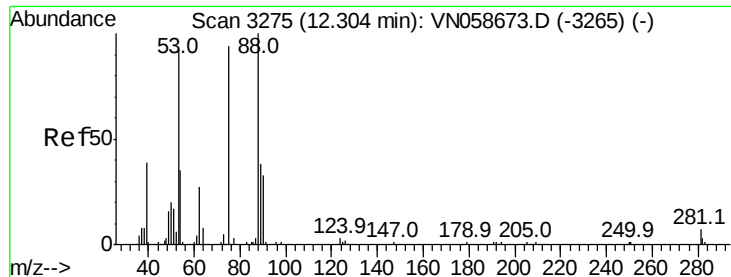
120 47.3 0.0 94.0



Abundance Ion 105.00 (104.70 to 105.70): VN058673.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058673.D (-3393) (-)

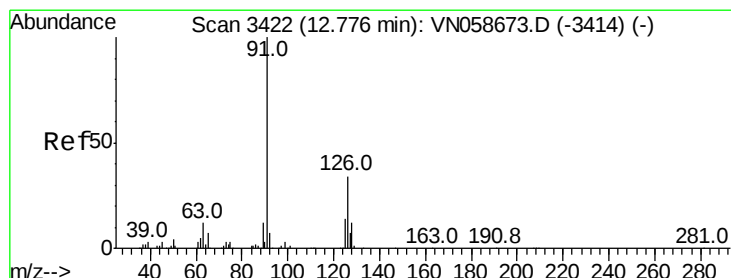
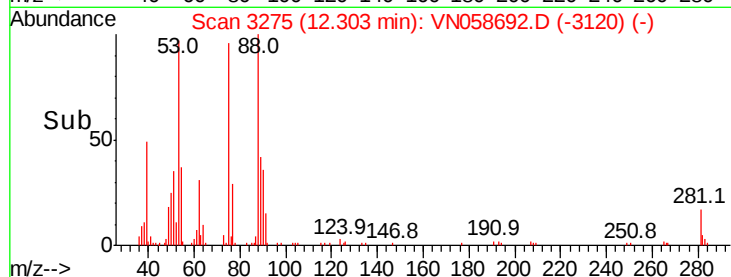
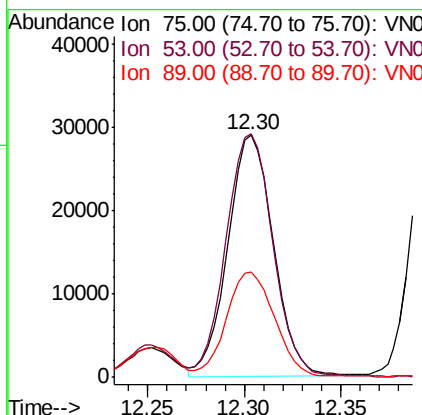
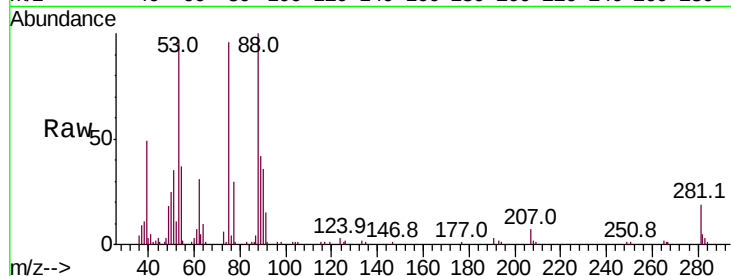




#77
t-1,4-Dichloro-2-butene
Concen: 19.159 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

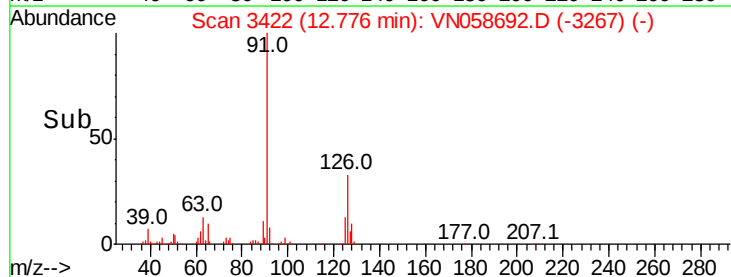
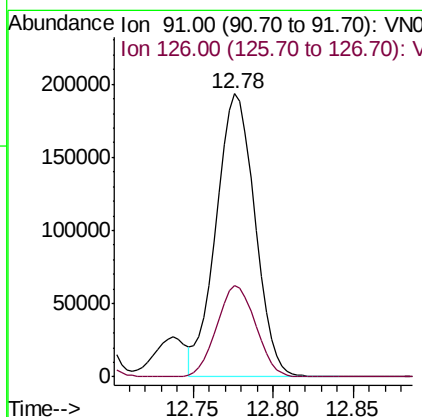
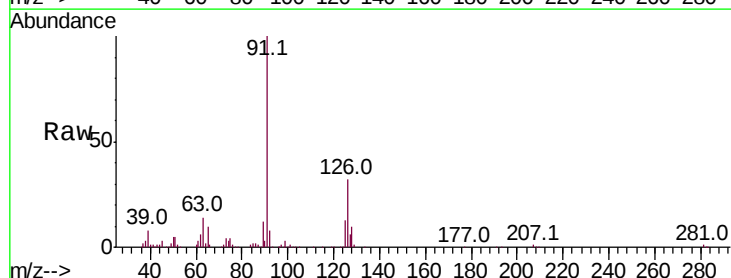
Instrument :
MSVOA_N
ClientSampleId :

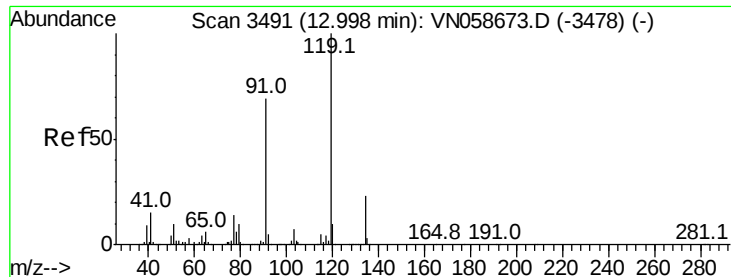
Tot Ion: 75 Resp: 47217
Ion Ratio Lower Upper
75 100
53 100.9 50.0 150.0
89 43.3 20.7 62.1



#78
4-Chlorotoluene
Concen: 20.764 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion: 91 Resp: 319631
Ion Ratio Lower Upper
91 100
126 32.3 0.0 63.4

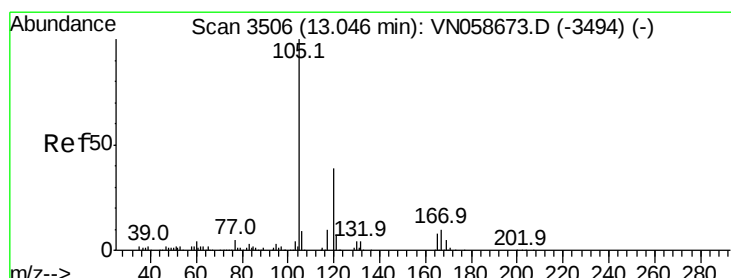
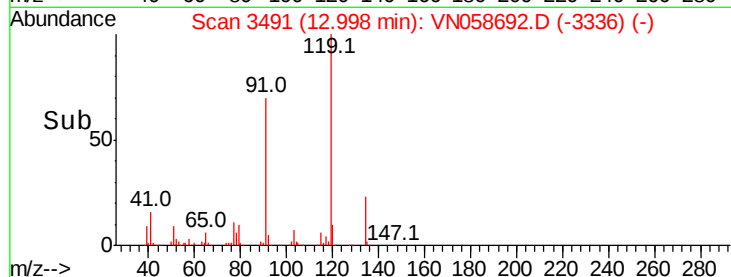
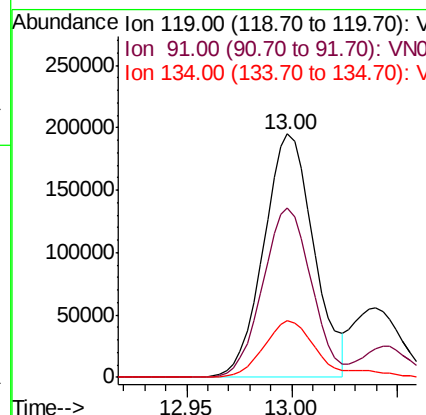
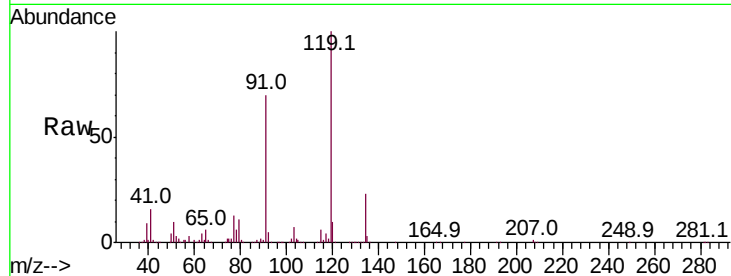




#79
tert-butylbenzene
Concen: 20.798 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

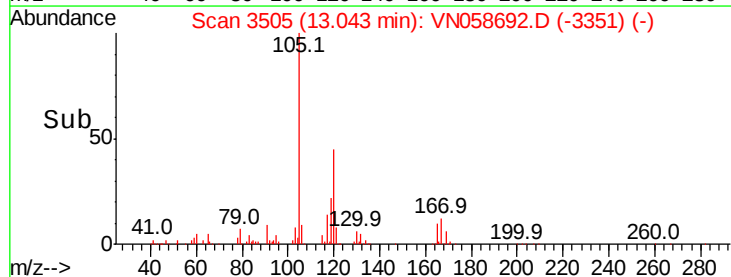
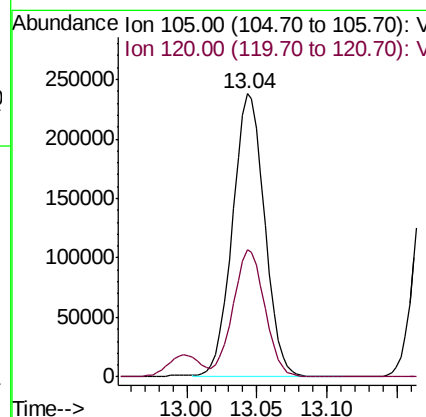
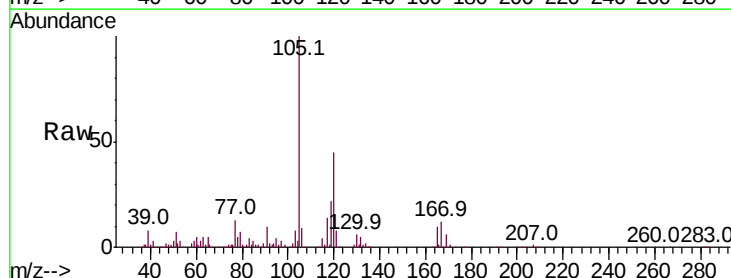
Instrument :
MSVOA_N
ClientSampled :

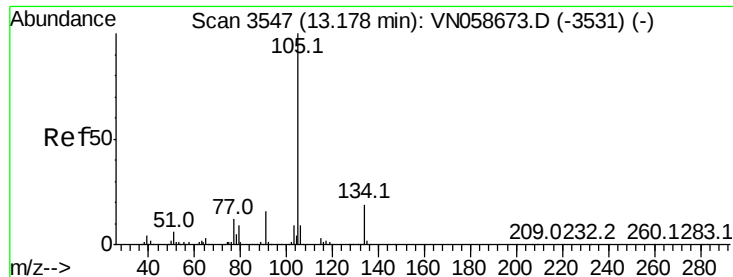
Tot Ion:119 Resp: 322752
Ion Ratio Lower Upper
119 100
91 68.2 0.0 136.4
134 23.8 0.0 47.2



#80
1,2,4-Trimethylbenzene
Concen: 21.057 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion:105 Resp: 380057
Ion Ratio Lower Upper
105 100
120 44.3 0.0 89.2

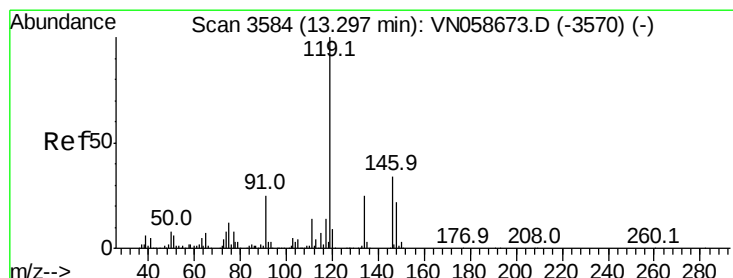
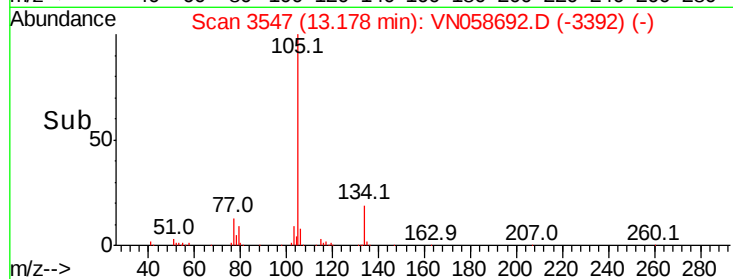
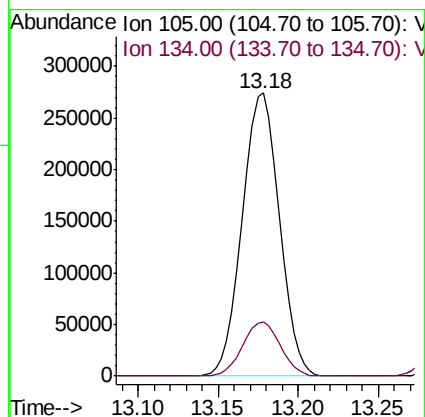
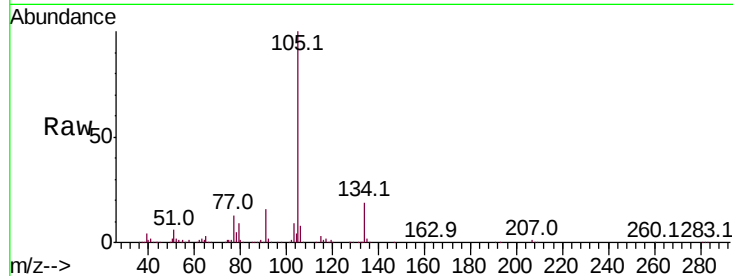




#81
 sec-Butylbenzene
 Concen: 20.766 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

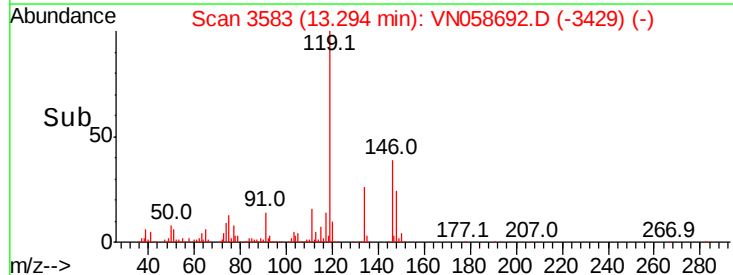
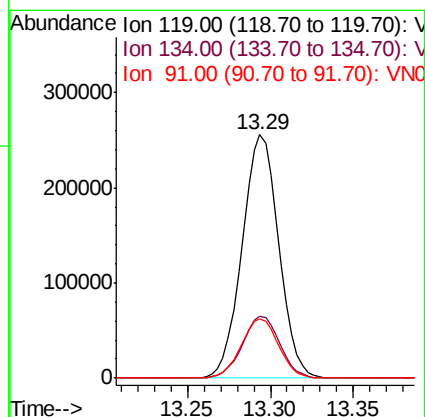
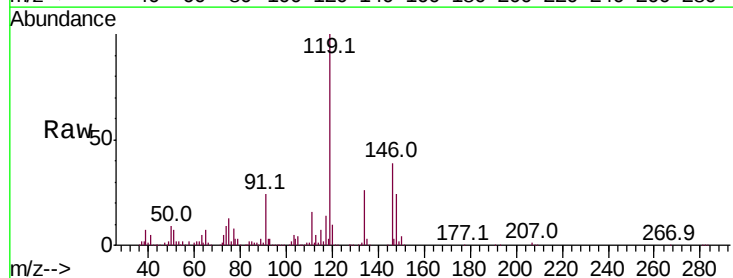
Instrument :
 MSVOA_N
 ClientSampled :

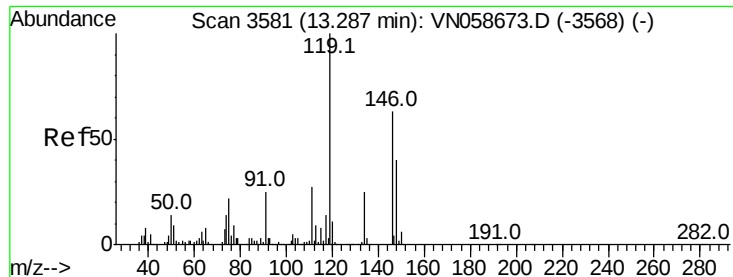
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	0.0	38.0



#82
 p-Isopropyltoluene
 Concen: 20.887 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	0.0	50.8
91	24.9	0.0	49.4





#83

1,3-Dichlorobenzene

Concen: 20.680 ug/l

RT: 13.29 min Scan# 3581

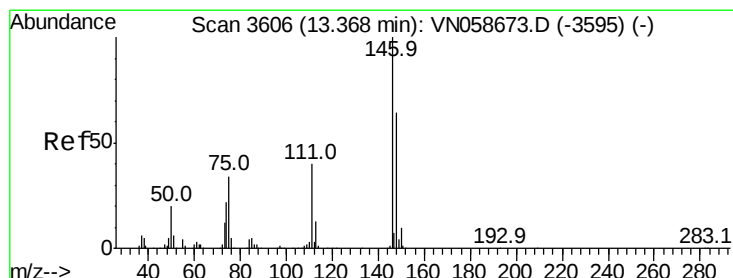
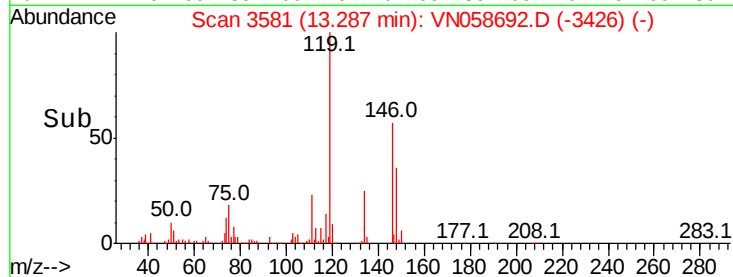
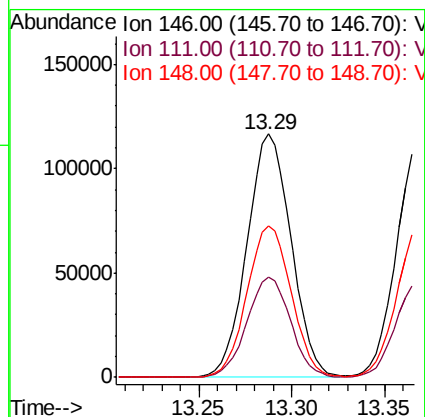
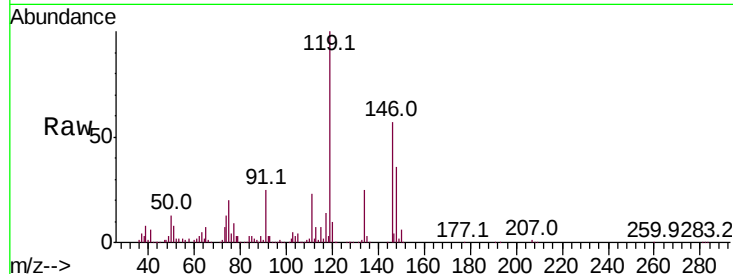
Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.0	63.0
148	62.7	31.7	95.1



#84

1,4-Dichlorobenzene

Concen: 20.051 ug/l

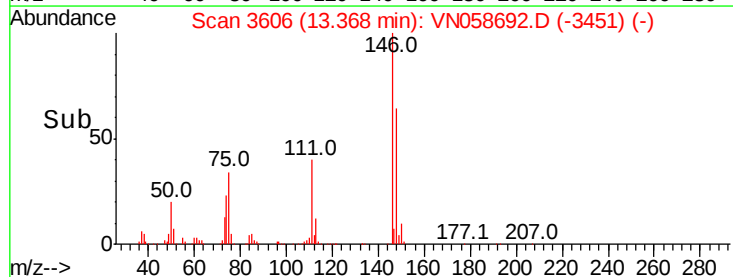
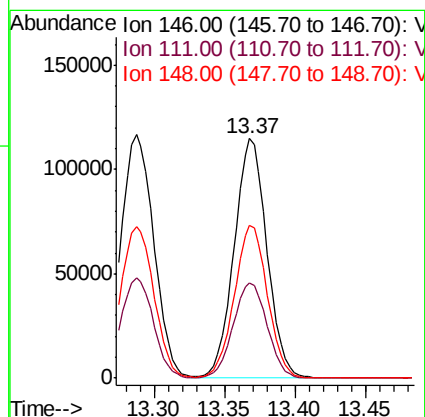
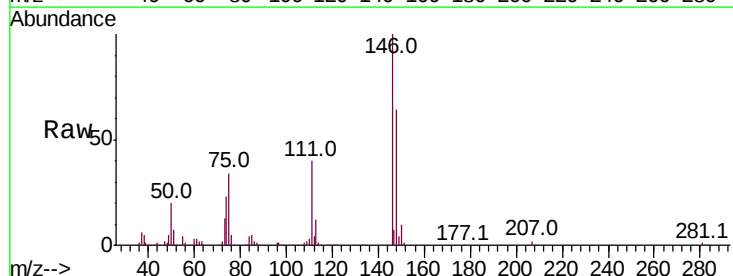
RT: 13.37 min Scan# 3606

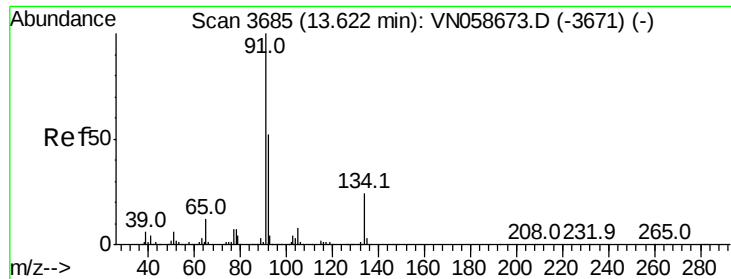
Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.4
148	64.7	31.6	94.8

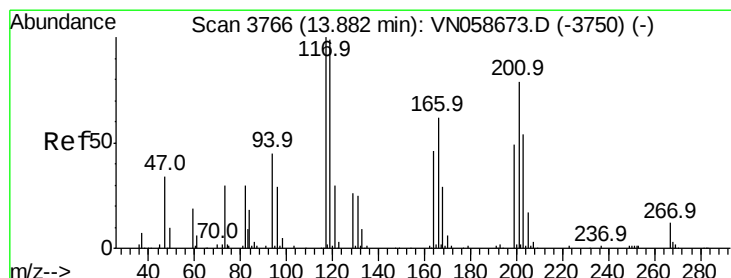
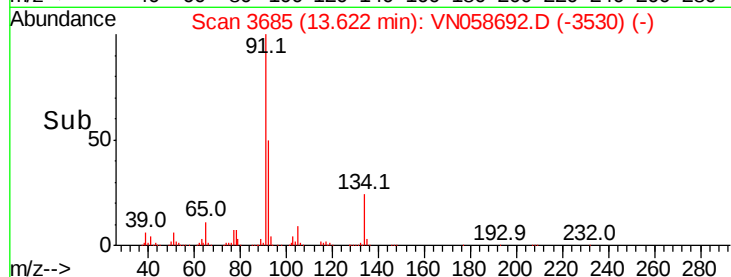
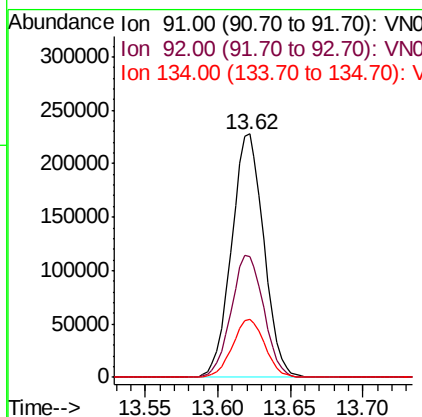
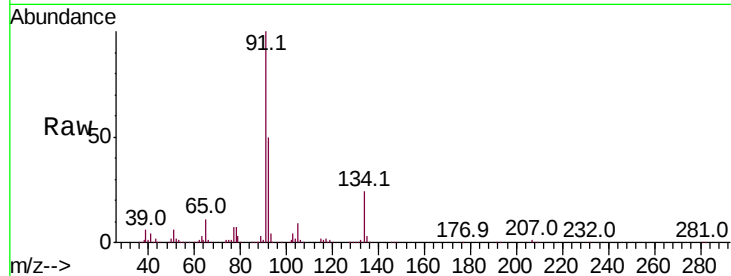




#85
n-Butylbenzene
Concen: 20.508 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

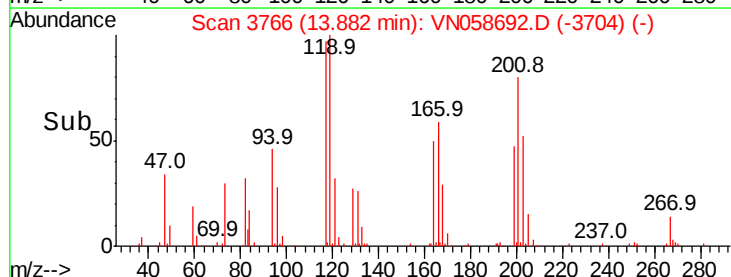
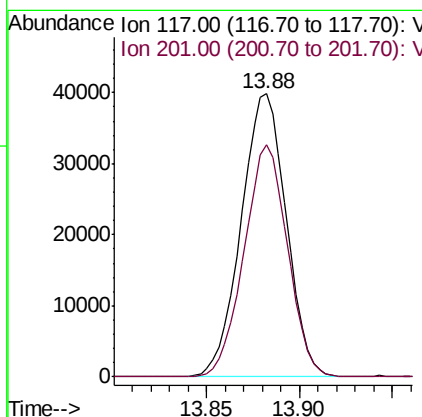
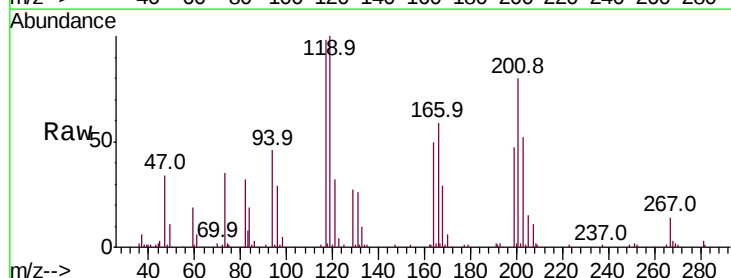
Instrument :
MSVOA_N
ClientSampled :

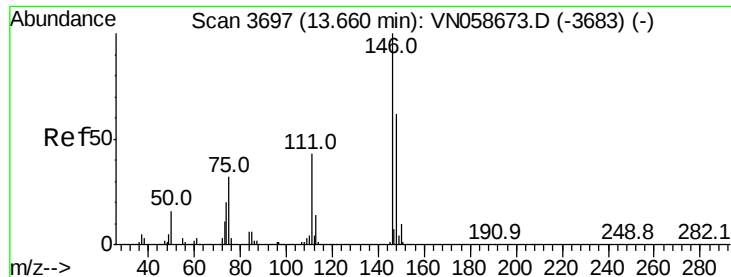
Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	0.0	102.8
134	23.9	0.0	48.6



#86
Hexachloroethane
Concen: 19.720 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058692.D
Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.9	38.7	116.1

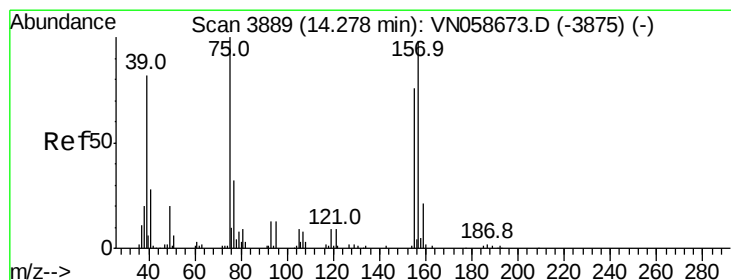
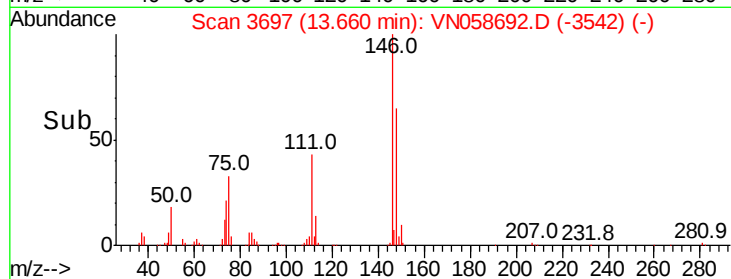
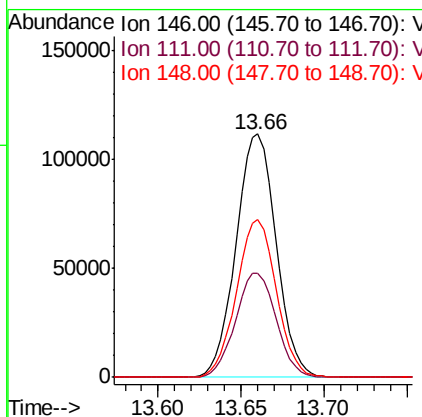
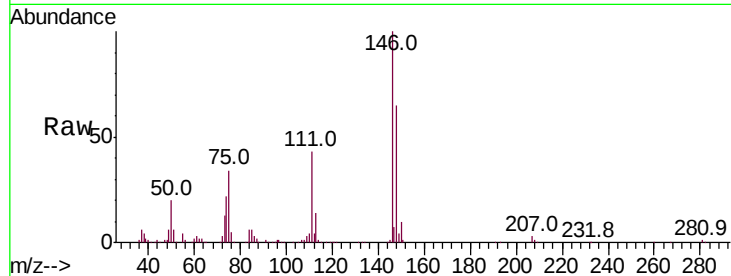




#87
 1,2-Dichlorobenzene
 Concen: 20.455 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

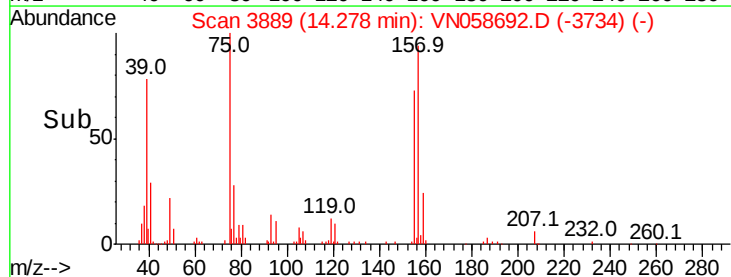
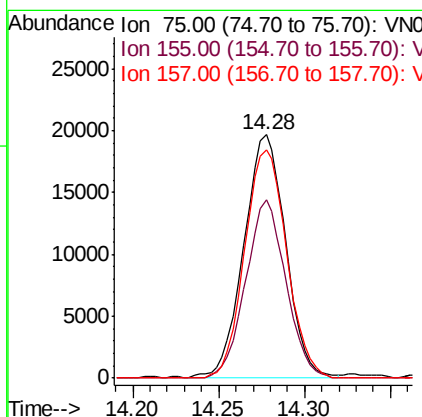
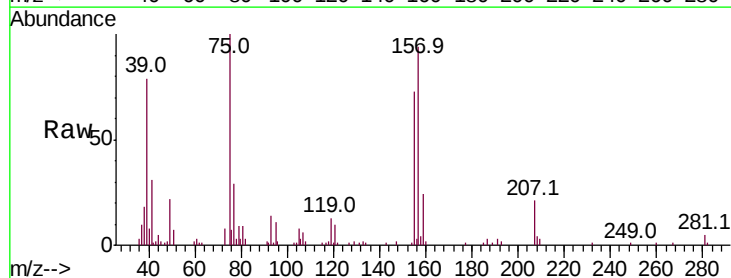
Instrument :
 MSVOA_N
 ClientSampleId :

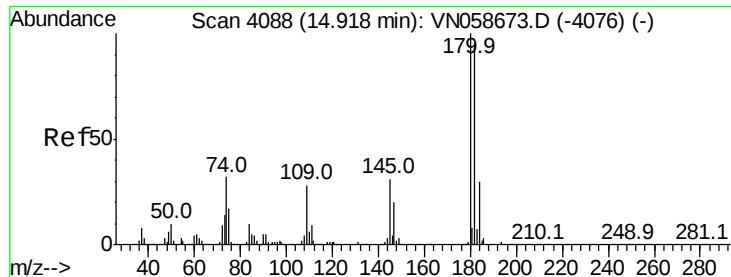
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.4
148	64.2	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.890 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.2	58.3	87.5
157	93.7	75.0	112.6

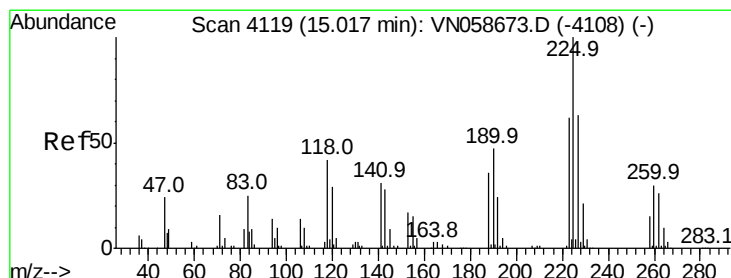
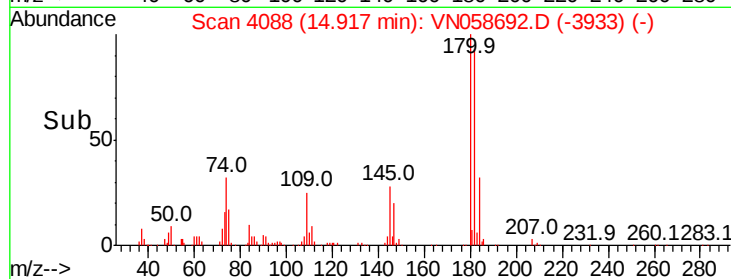
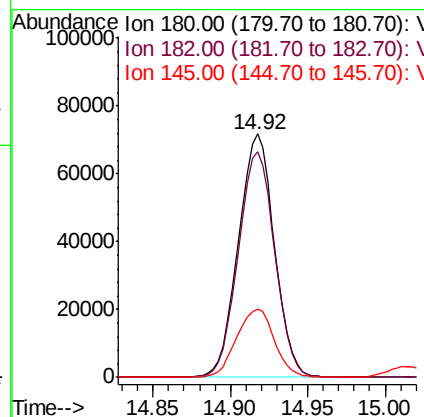
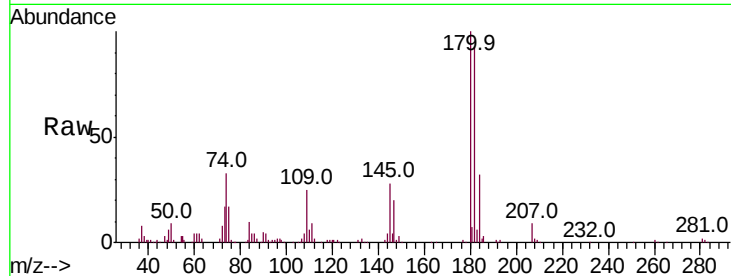




#89
 1,2,4-Trichlorobenzene
 Concen: 19.965 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

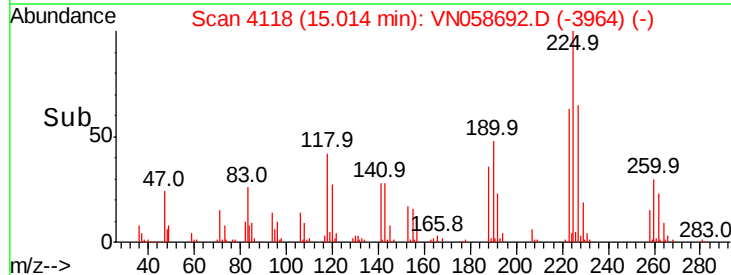
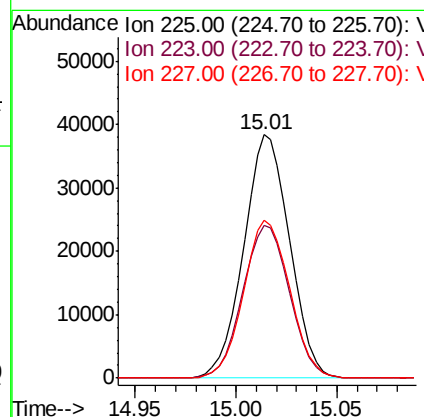
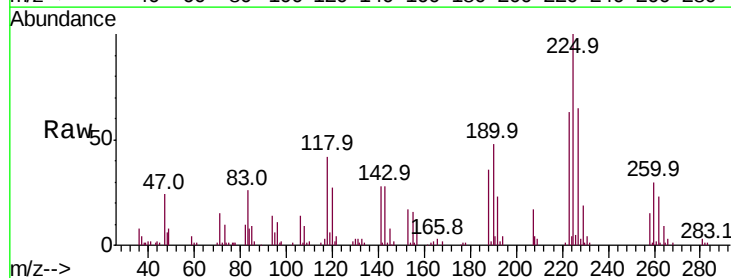
Instrument :
 MSVOA_N
 ClientSampled :

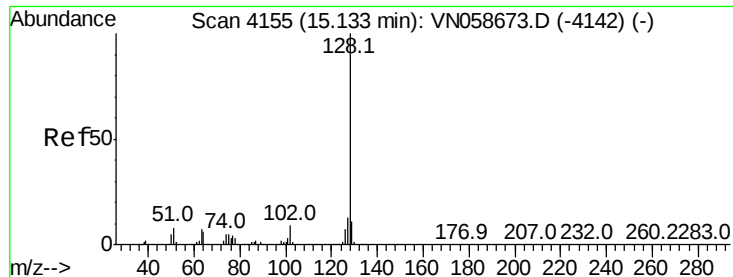
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.3	112.9
145	29.3	24.8	37.2



#90
 Hexachlorobutadiene
 Concen: 20.401 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058692.D
 Acq: 11 Oct 2019 10:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	0.0	126.2
227	64.8	0.0	127.0





#91

Naphthalene

Concen: 20.178 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

Instrument :

MSVOA_N

ClientSampled :

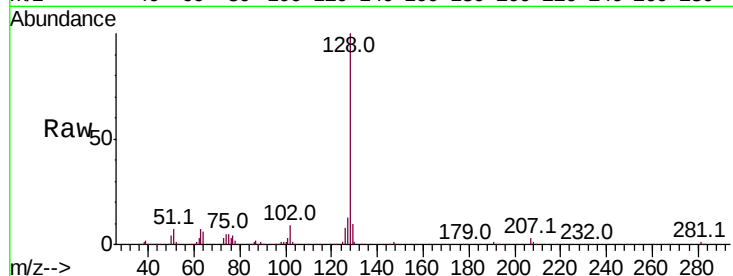
Tot Ion:128 Resp: 346153

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

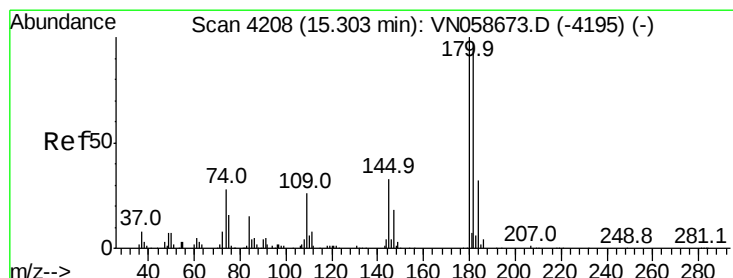
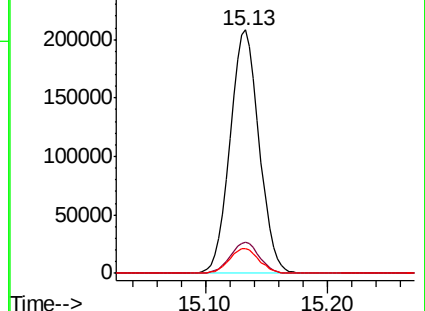
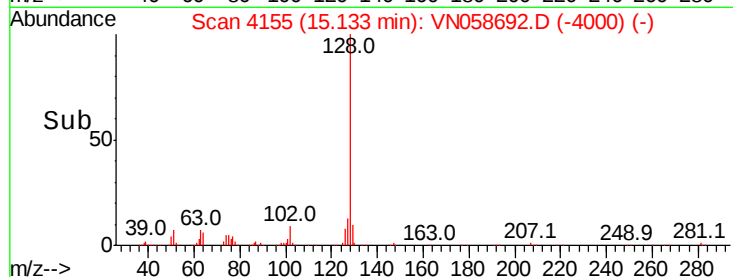
129 10.6 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 20.128 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058692.D

Acq: 11 Oct 2019 10:47

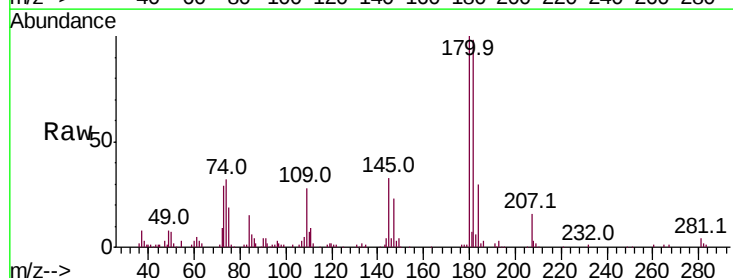
Tgt Ion:180 Resp: 113846

Ion Ratio Lower Upper

180 100

182 95.3 0.0 193.4

145 33.1 0.0 65.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

