

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\
 Data File : VN058558.D
 Acq On : 7 Oct 2019 11:26
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 08 13:52:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	74360	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	433446	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	385715	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	197726	30.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.27%
60) 4-Bromofluorobenzene	12.41	95	197139	29.54	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.47%
63) Toluene-d8	10.08	98	552191	30.00	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	90723	20.288	ug/l 100
3) Chloromethane	2.04	50	118326	22.917	ug/l 98
4) Vinyl Chloride	2.17	62	109355	21.225	ug/l 96
5) Bromomethane	2.55	94	54420	19.453	ug/l 99
6) Chloroethane	2.68	64	68160	22.386	ug/l 98
7) Trichlorofluoromethane	3.00	101	129480	21.344	ug/l 97
8) Diethyl Ether	3.39	74	54959	20.379	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	83716	20.048	ug/l 98
10) 1,1-Dichloroethene	3.72	96	81803	20.039	ug/l 96
11) Methyl Iodide	3.93	142	71893	17.177	ug/l 99
12) Methyl Acetate	4.30	43	111333	20.477	ug/l 99
13) Acrolein	3.58	56	30585	197.831	ug/l 99
14) Acrylonitrile	4.96	53	225098	100.270	ug/l 99
15) Acetone	3.79	58	81910	131.591	ug/l 99
16) Carbon Disulfide	4.03	76	226303	19.949	ug/l 99
17) Allyl chloride	4.30	41	162045	21.252	ug/l 95
18) Methylene Chloride	4.52	84	102237	21.231	ug/l 94
19) trans-1,2-Dichloroethene	5.01	96	90919	19.867	ug/l 96
20) Diisopropyl ether	5.93	45	331730	20.418	ug/l 96
21) 1,1-Dichloroethane	5.82	63	188823	20.769	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	105855	19.913	ug/l 97
23) tert-Butyl Alcohol	4.76	59	86103	103.897	ug/l 100
24) Methyl tert-Butyl Ether	5.01	73	301060	20.546	ug/l 97
25) Chloroform	7.35	83	187227	20.337	ug/l 99
26) Cyclohexane	7.63	56	160654	18.905	ug/l # 98
29) 1,1-Dichloropropene	7.78	75	139238	19.680	ug/l 98
30) 2-Butanone	6.81	43	339973	105.825	ug/l 99
31) 2,2-Dichloropropane	6.80	77	171365	23.526	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	160118	20.982	ug/l 99
33) Carbon Tetrachloride	7.75	117	134892	20.805	ug/l 100
34) Benzene	8.02	78	404190	20.138	ug/l 97
35) Methacrylonitrile	7.19	41	190121	68.804	ug/l # 61
36) 1,2-Dichloroethane	8.11	62	157389	20.018	ug/l 99
37) Trichloroethene	8.82	130	100901	20.081	ug/l 99
38) Methylcyclohexane	9.07	83	152693	17.847	ug/l 99
39) 1,2-Dichloropropane	9.11	63	112176	20.490	ug/l 98
40) Dibromomethane	9.20	93	69576	20.136	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	141783	20.760	ug/l	100
42) Vinyl Acetate	5.87	43	1366878	111.434	ug/l	100
43) Ethyl Acetate	6.91	43	124150	19.463	ug/l	94
44) Isopropyl Acetate	8.15	43	219588	19.231	ug/l #	81
45) 1,4-Dioxane	9.19	88	36009	373.814	ug/l	97
46) Methyl methacrylate	9.19	41	102217	18.889	ug/l	96
47) n-amyl Acetate	12.07	43	192640	19.382	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	155542	20.842	ug/l	95
49) cis-1,3-Dichloropropene	9.83	75	171919	20.691	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	99938	20.695	ug/l	98
51) Ethyl methacrylate	10.43	69	143698	18.808	ug/l	98
52) 1,3-Dichloropropane	10.71	76	170739	19.908	ug/l	99
53) Dibromochloromethane	10.90	129	97921	20.184	ug/l	98
54) 1,2-Dibromoethane	11.00	107	98241	19.935	ug/l	96
55) 2-Chloroethyl vinyl ether	9.69	63	360790	111.521	ug/l	100
56) Bromoform	12.13	173	61274	20.024	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	638813	105.699	ug/l	100
59) 2-Hexanone	10.75	43	484286	105.995	ug/l	99
61) Tetrachloroethene	10.63	164	87471	21.646	ug/l	97
62) Toluene	10.15	91	436042	20.641	ug/l	100
64) Chlorobenzene	11.44	112	258401	19.905	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	97205	21.360	ug/l	99
66) Ethyl Benzene	11.51	91	485602	21.081	ug/l	100
67) m/p-Xylenes	11.62	106	347768	39.325	ug/l	99
68) o-Xylene	11.95	106	165760	19.276	ug/l	94
69) Styrene	11.97	104	272496	18.950	ug/l	99
70) Isopropylbenzene	12.25	105	458926	20.594	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	138046	19.491	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	182659	29.988	ug/l	60
73) Bromobenzene	12.53	156	108148	20.036	ug/l	98
74) n-propylbenzene	12.60	91	540117	21.024	ug/l	99
75) 2-Chlorotoluene	12.68	91	324305	20.181	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	384142	20.020	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	40209	20.237	ug/l	95
78) 4-Chlorotoluene	12.78	91	331714	20.140	ug/l	99
79) tert-butylbenzene	13.00	119	318917	19.197	ug/l	100
80) 1,2,4-Trimethylbenzene	13.05	105	384940	20.098	ug/l	98
81) sec-Butylbenzene	13.18	105	429643	19.718	ug/l	99
82) p-Isopropyltoluene	13.30	119	385739	19.658	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	189503	19.030	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	187851	18.953	ug/l	100
85) n-Butylbenzene	13.62	91	344590	18.901	ug/l	99
86) Hexachloroethane	13.88	117	64044	20.207	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	189478	19.486	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	27019	19.546	ug/l	96
89) 1,2,4-Trichlorobenzene	14.92	180	106511	16.766	ug/l	96
90) Hexachlorobutadiene	15.02	225	51098	16.623	ug/l	96
91) Naphthalene	15.13	128	301750	17.296	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	101067	16.564	ug/l	98

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Oct 08 13:52:25 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration

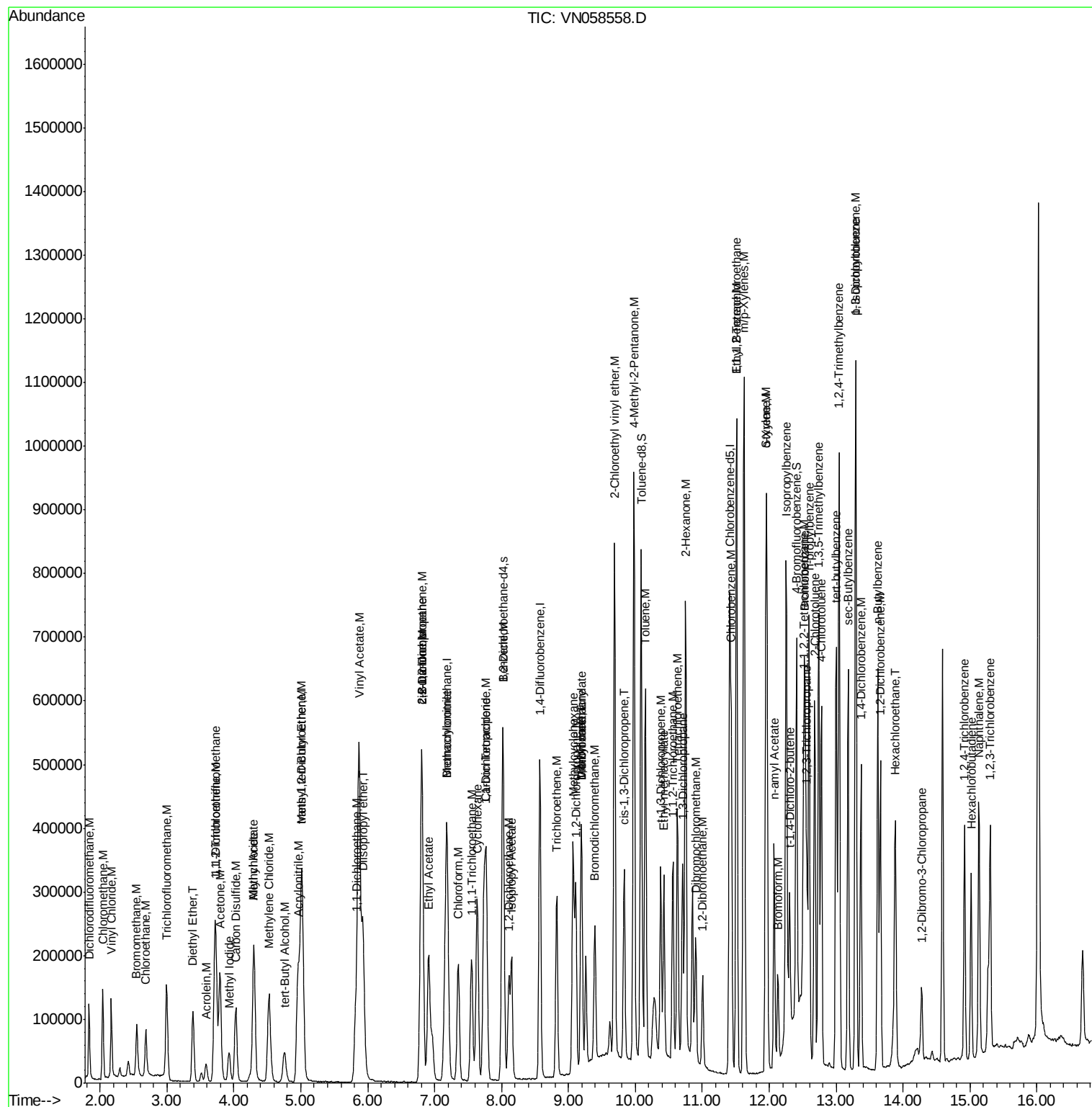
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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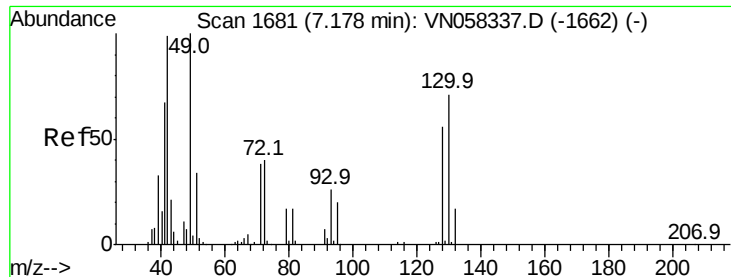
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100719\
Data File : VN058558.D
Acq On : 7 Oct 2019 11:26
Operator : JC/SP
Sample : VSTDC0020
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampled :

Quant Time: Oct 08 13:52:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Sep 25 01:36:25 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampled :

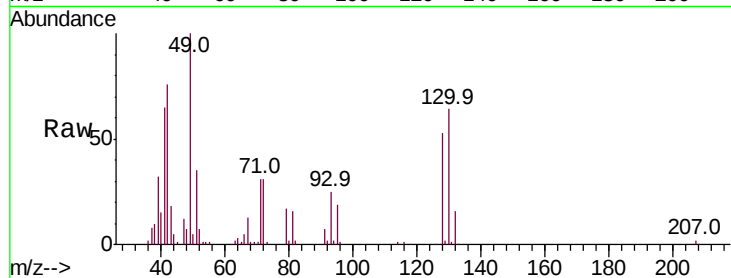
Tot Ion:128 Resp: 74360

Ion Ratio Lower Upper

128 100

49 187.7 0.0 458.5

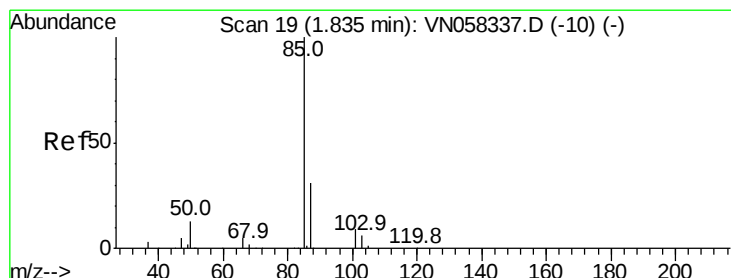
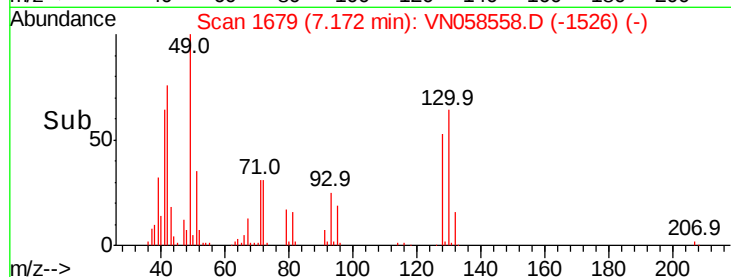
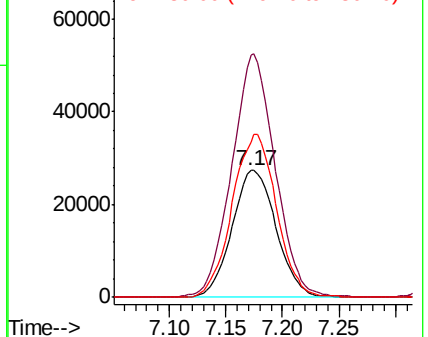
130 129.1 0.0 320.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.288 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058558.D

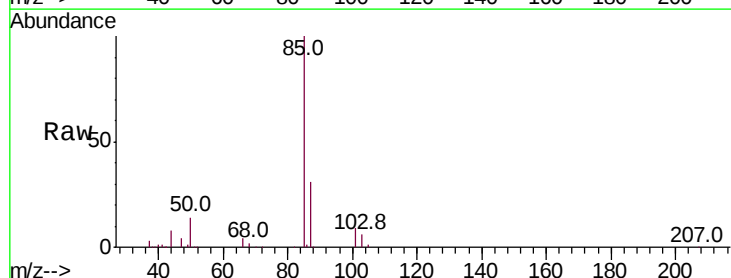
Acq: 7 Oct 2019 11:26

Tgt Ion: 85 Resp: 90723

Ion Ratio Lower Upper

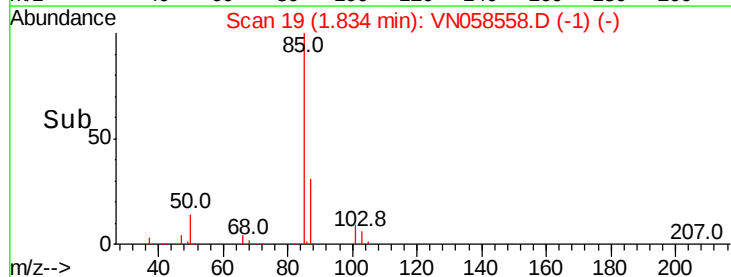
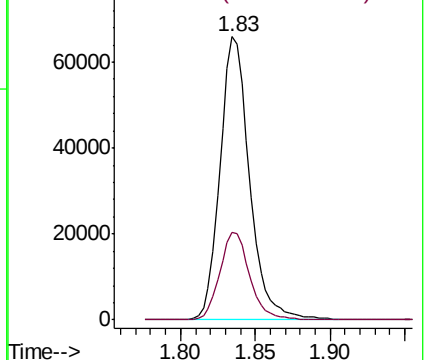
85 100

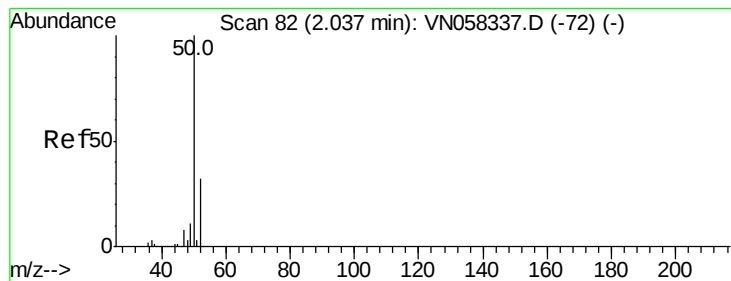
87 30.9 15.5 46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 22.917 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

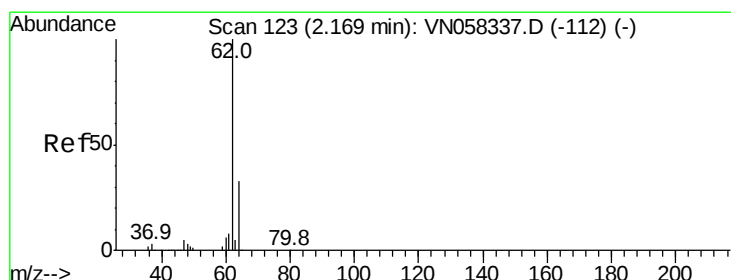
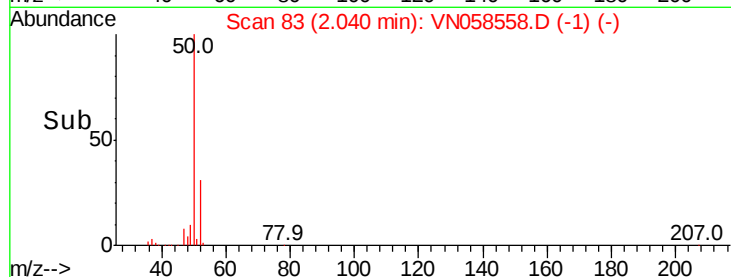
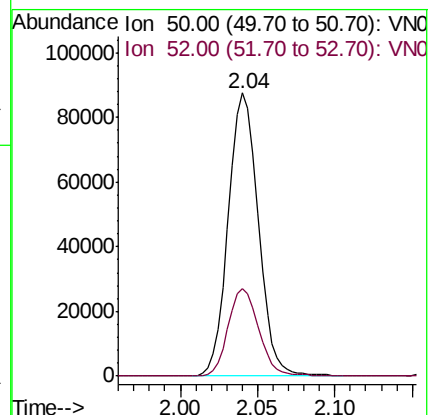
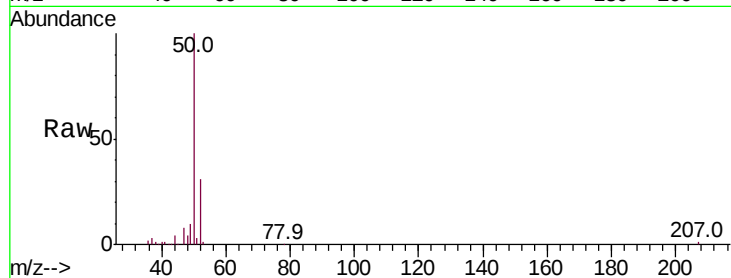
ClientSampleId :

Tot Ion: 50 Resp: 118326

Ion Ratio Lower Upper

50 100

52 31.1 25.9 38.9



#4

Vinyl Chloride

Concen: 21.225 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058558.D

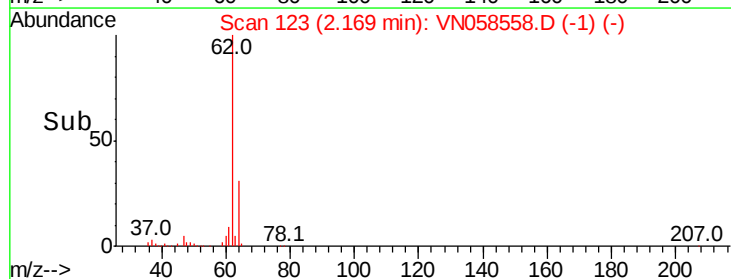
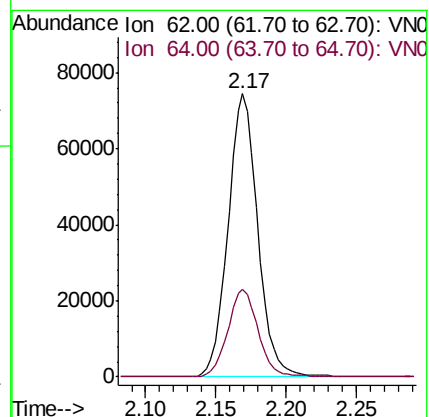
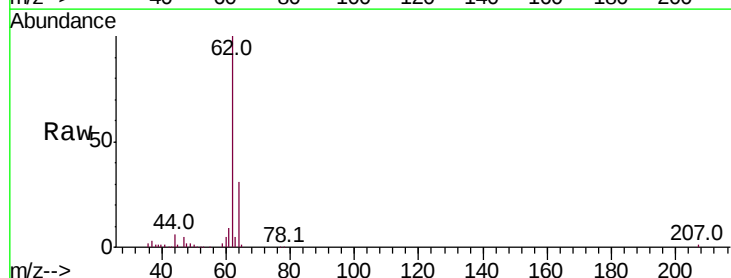
Acq: 7 Oct 2019 11:26

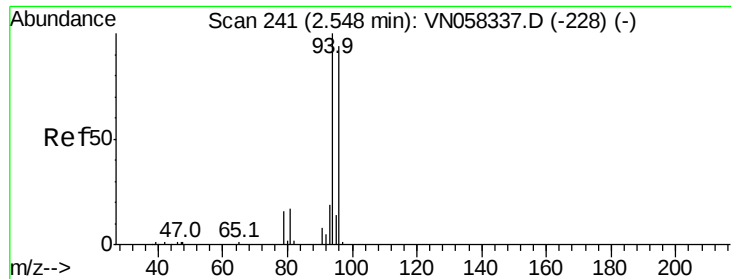
Tgt Ion: 62 Resp: 109355

Ion Ratio Lower Upper

62 100

64 30.9 26.6 40.0

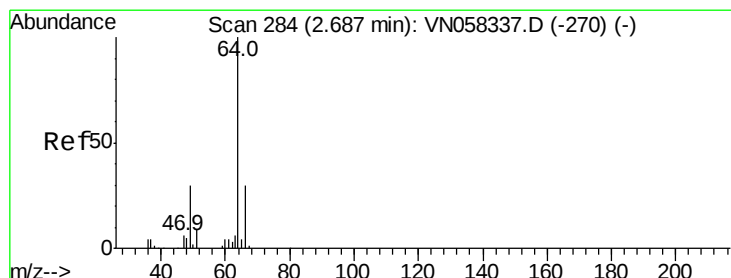
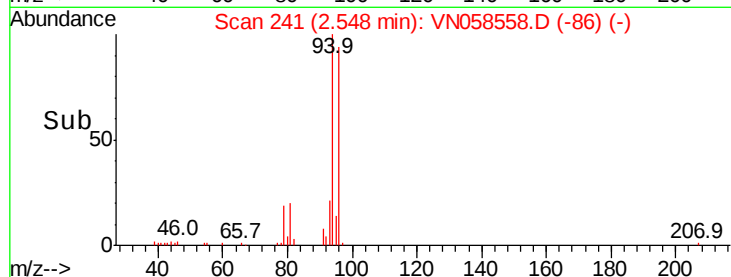
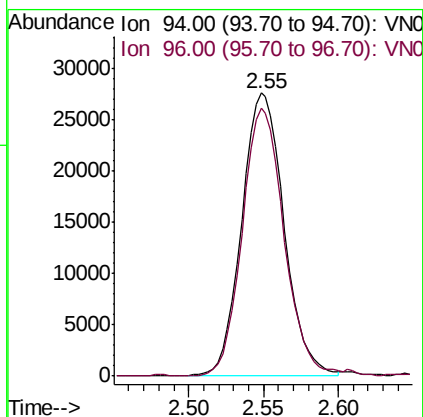
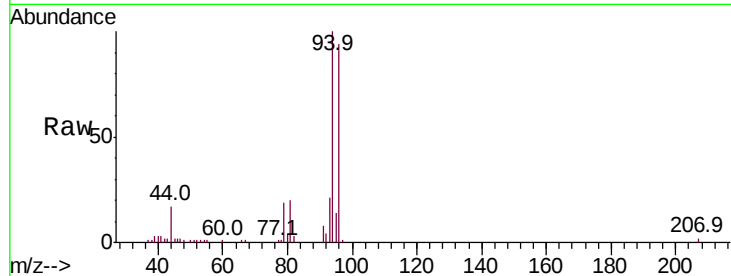




#5
Bromomethane
Concen: 19.453 ug/l
RT: 2.55 min Scan# 241
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

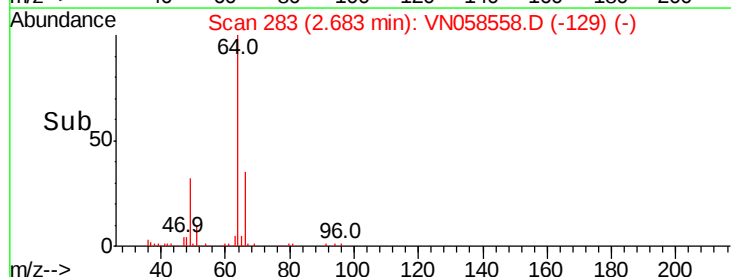
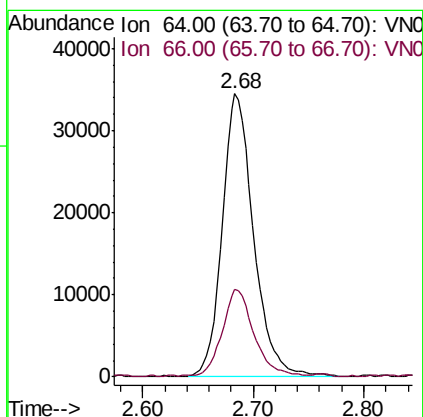
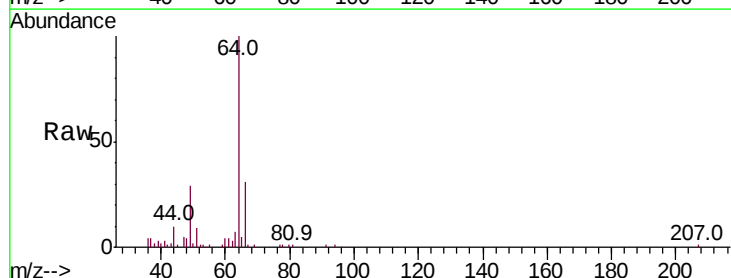
Instrument :
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ClientSampleId :

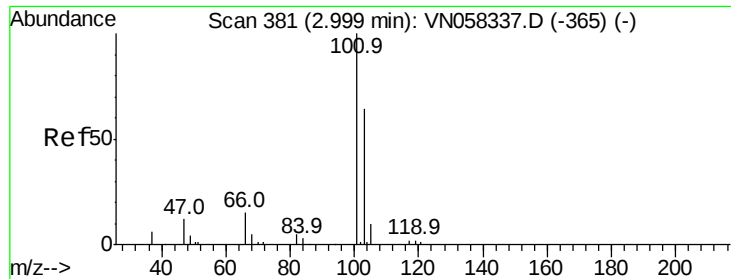
Tot Ion: 94 Resp: 54420
Ion Ratio Lower Upper
94 100
96 94.5 74.8 112.2



#6
Chloroethane
Concen: 22.386 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 64 Resp: 68160
Ion Ratio Lower Upper
64 100
66 31.0 23.8 35.6



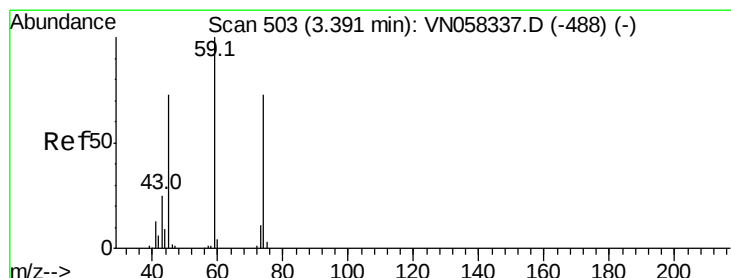
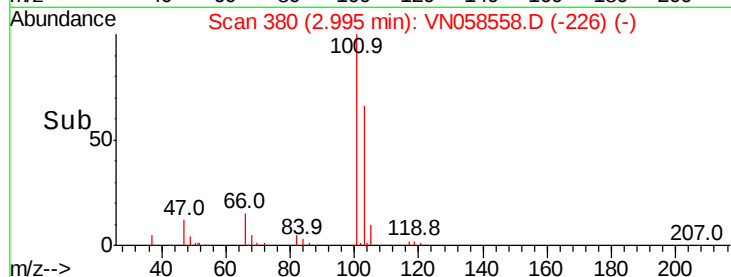
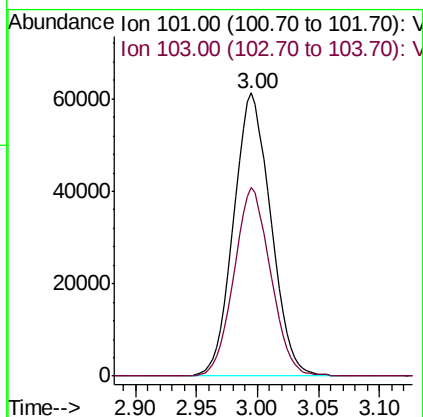
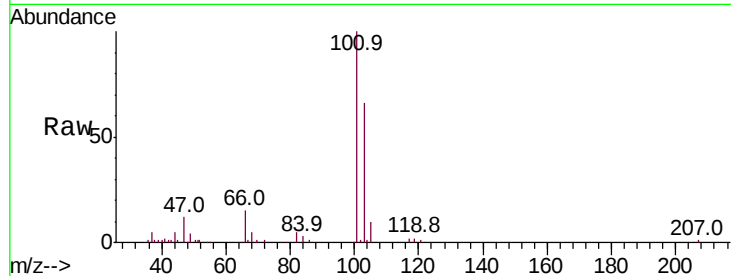


#7

Trichlorofluoromethane
Concen: 21.344 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :

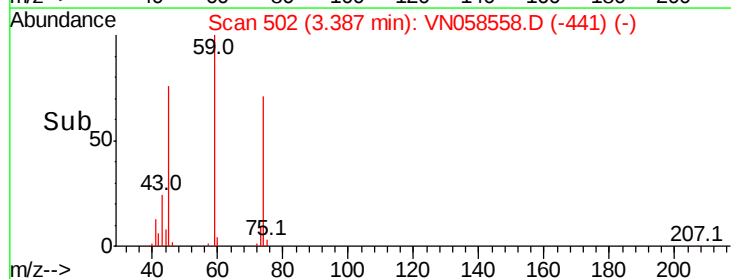
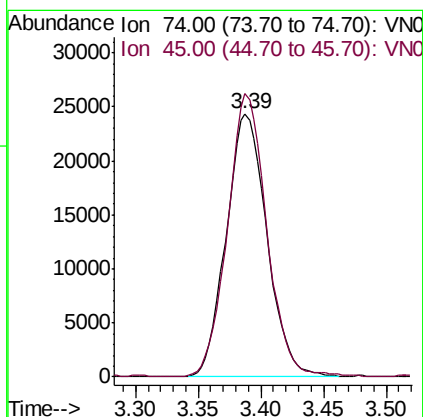
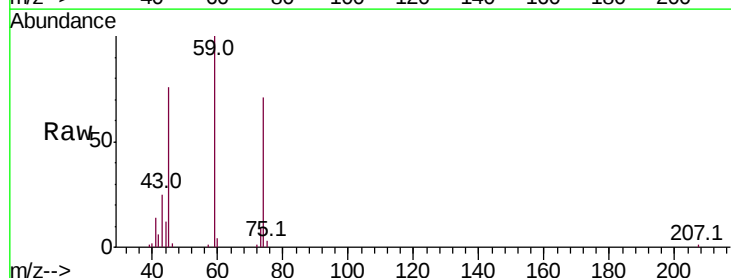
Tot Ion:101 Resp: 129480
Ion Ratio Lower Upper
101 100
103 66.4 51.5 77.3

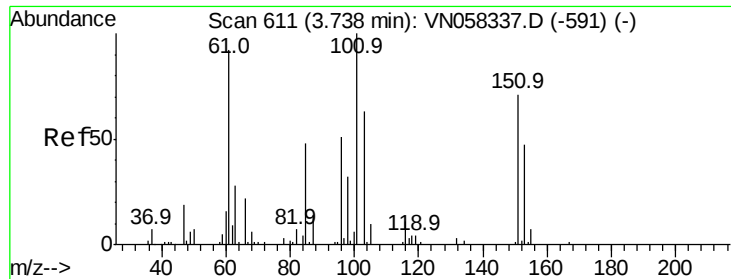


#8

Diethyl Ether
Concen: 20.379 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 74 Resp: 54959
Ion Ratio Lower Upper
74 100
45 103.1 20.8 187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.048 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

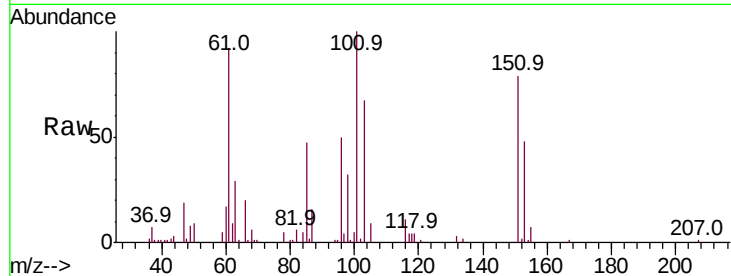
Tot Ion:101 Resp: 83716

Ion Ratio Lower Upper

101 100

85 46.5 0.0 93.0

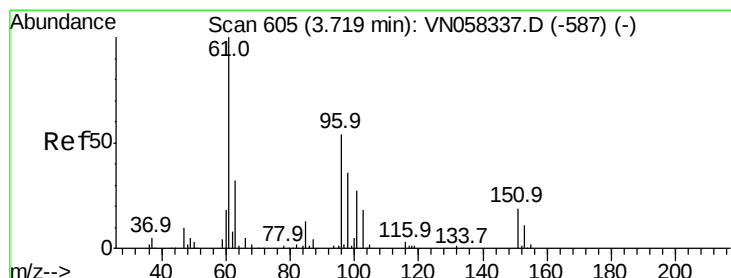
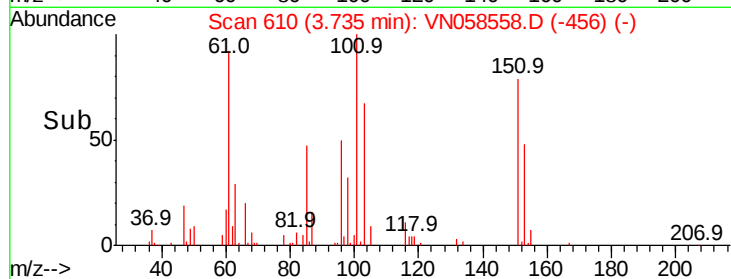
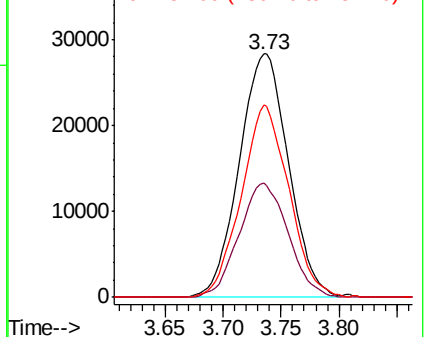
151 76.1 0.0 147.2



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: 20.039 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

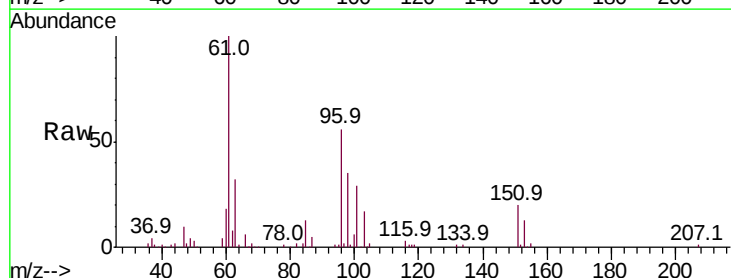
Tgt Ion: 96 Resp: 81803

Ion Ratio Lower Upper

96 100

61 177.9 146.9 220.3

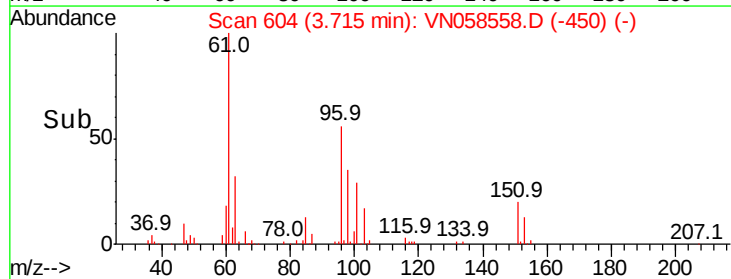
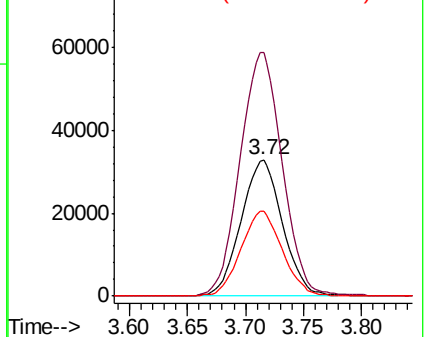
98 62.4 52.3 78.5

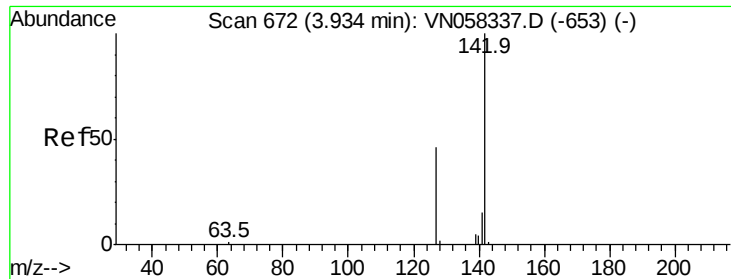


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

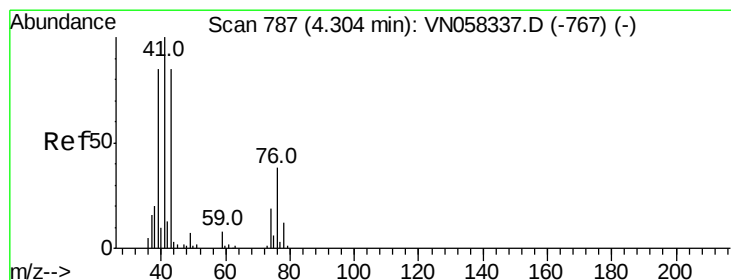
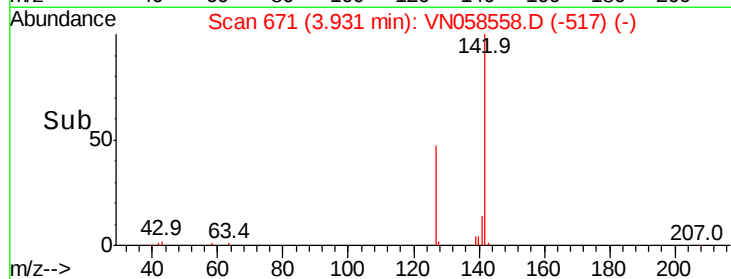
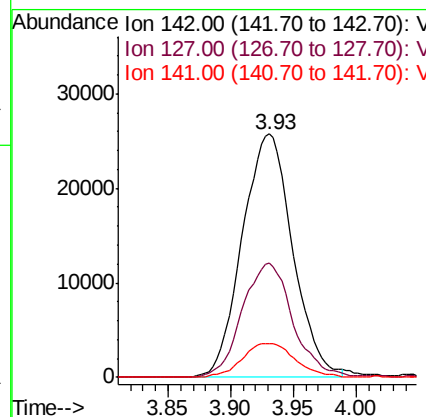
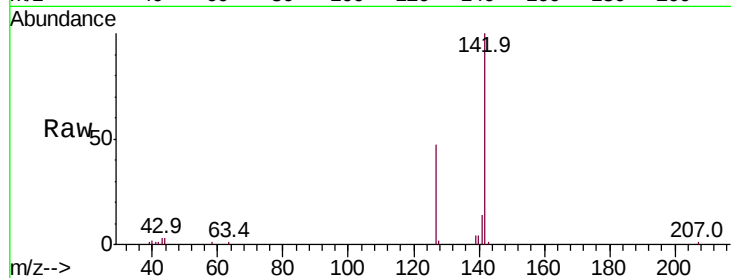




#11
Methvl Iodide
Concen: 17.177 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

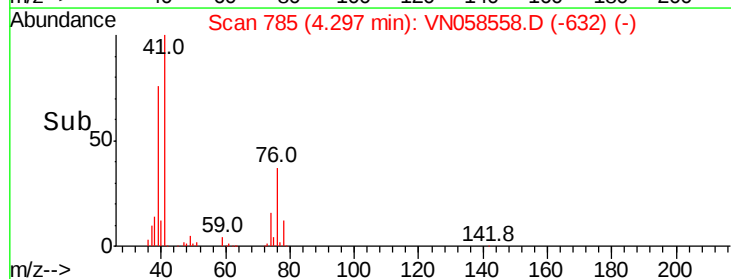
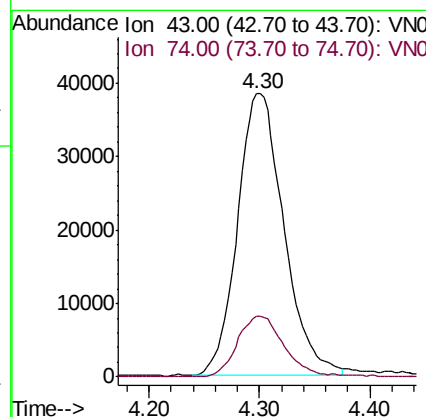
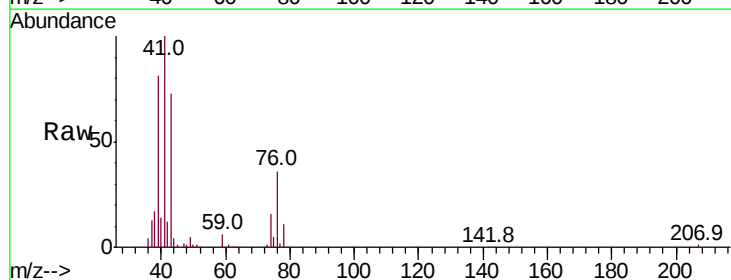
Instrument :
MSVOA_N
ClientSampleId :

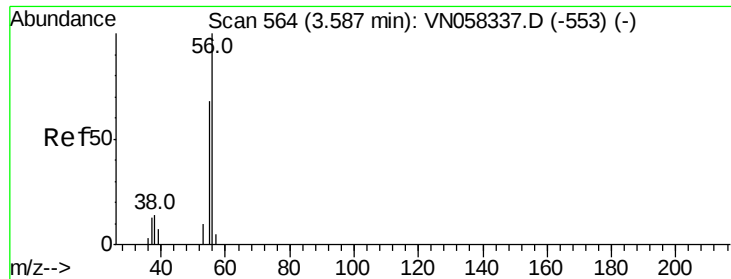
Tot Ion:142 Resp: 71893
Ion Ratio Lower Upper
142 100
127 46.7 22.9 68.7
141 14.2 7.4 22.3



#12
Methyl Acetate
Concen: 20.477 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 43 Resp: 111333
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.6

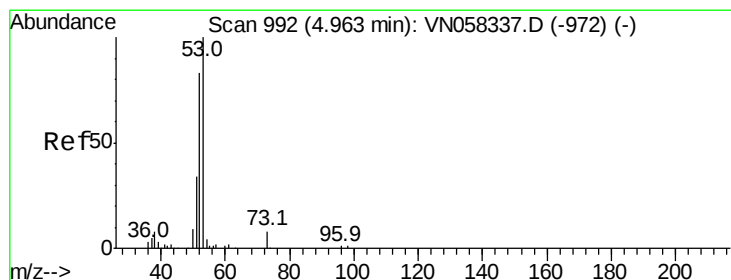
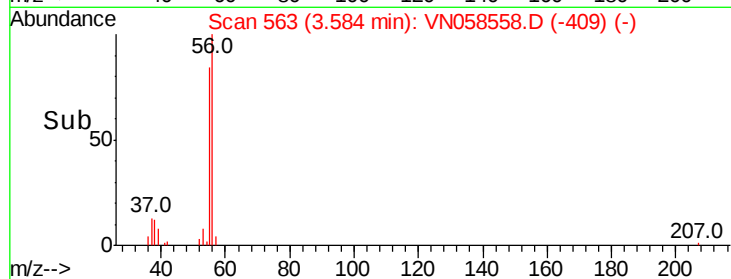
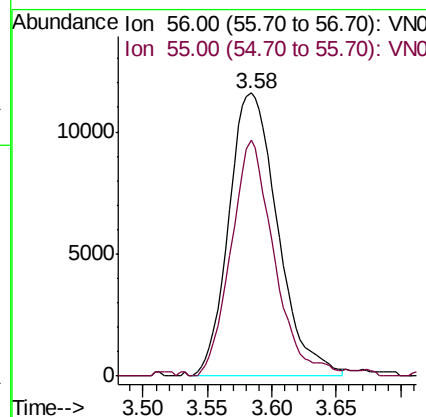
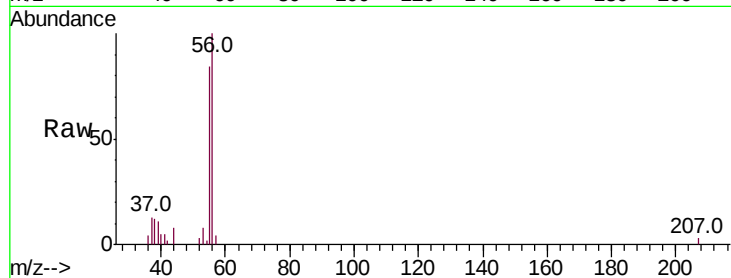




#13
Acrolein
Concen: 197.831 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

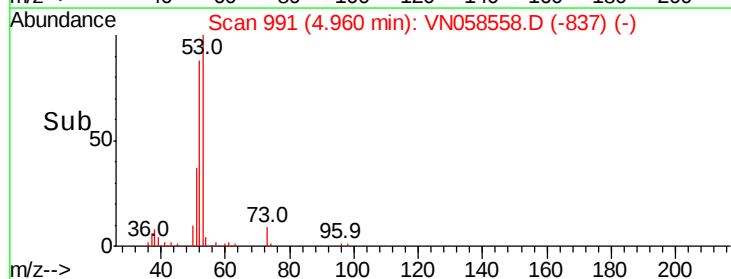
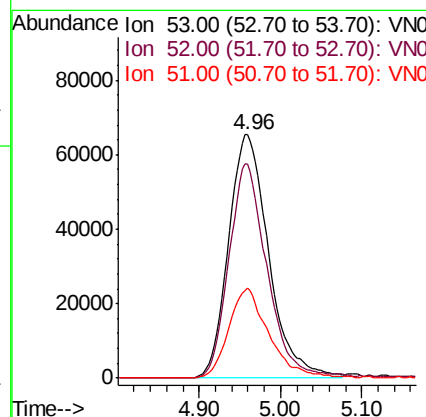
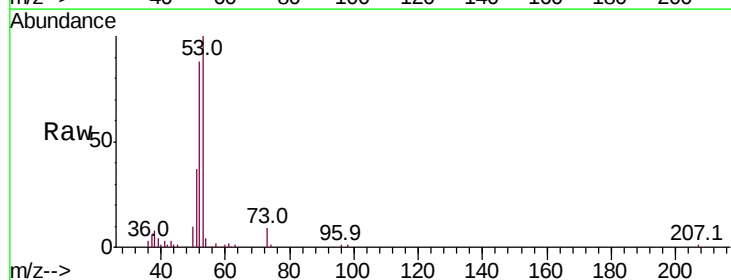
Instrument :
MSVOA_N
ClientSampled :

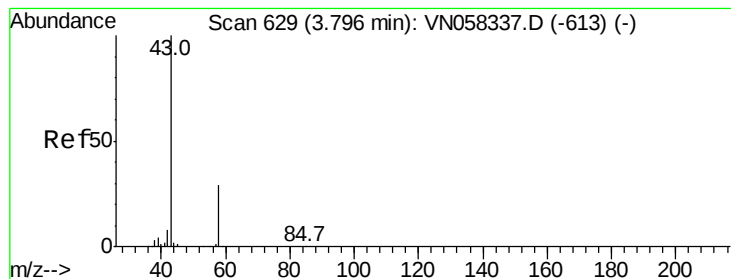
Tot Ion: 56 Resp: 30585
Ion Ratio Lower Upper
56 100
55 72.2 58.4 87.6



#14
Acrylonitrile
Concen: 100.270 ug/l
RT: 4.96 min Scan# 991
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 53 Resp: 225098
Ion Ratio Lower Upper
53 100
52 83.3 41.3 123.7
51 36.8 18.3 54.8





#15

Acetone

Concen: 131.591 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

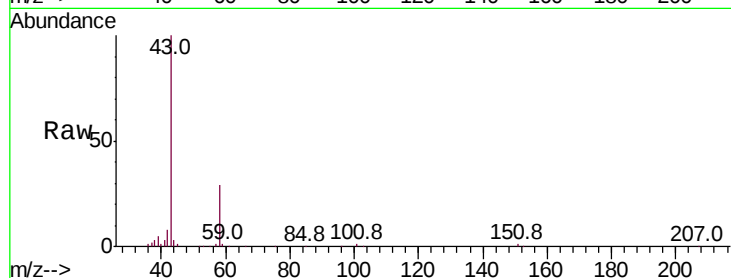
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 58 Resp: 81910

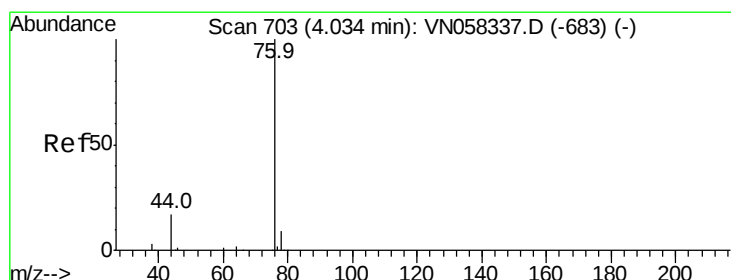
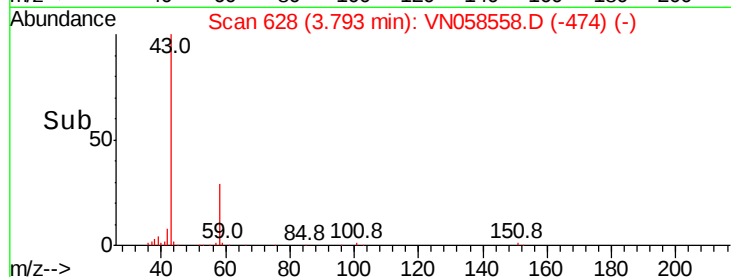
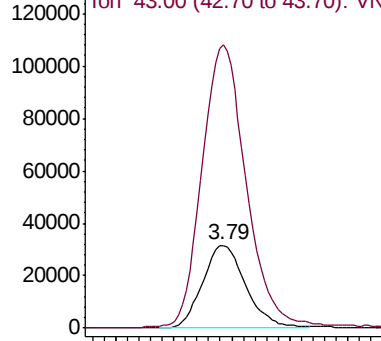
Ion Ratio Lower Upper

58 100

43 339.4 272.6 409.0



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



#16

Carbon Disulfide

Concen: 19.949 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058558.D

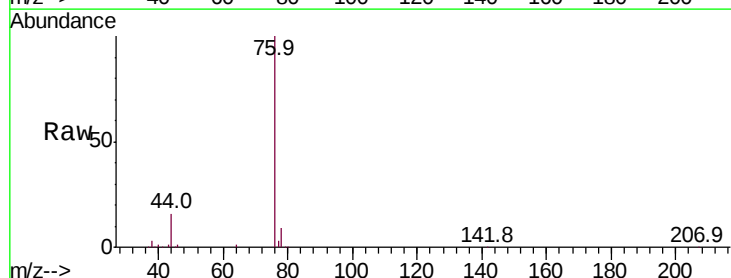
Acq: 7 Oct 2019 11:26

Tgt Ion: 76 Resp: 226303

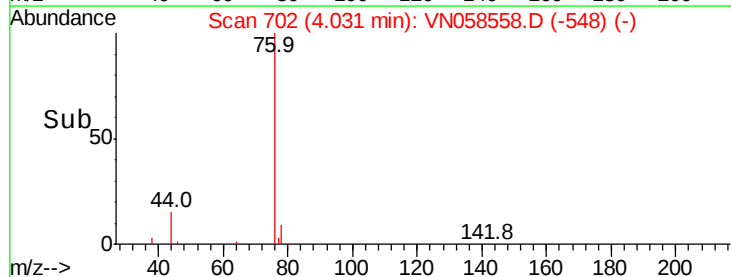
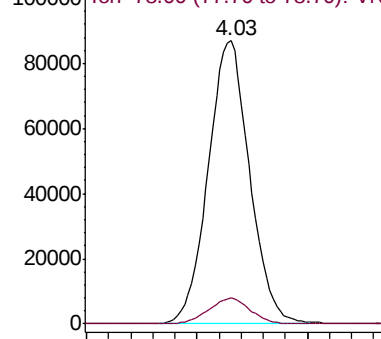
Ion Ratio Lower Upper

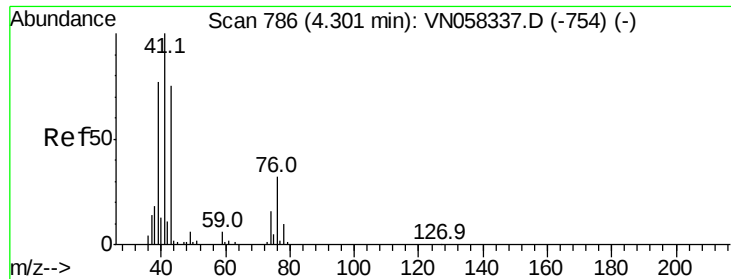
76 100

78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0
Ion 78.00 (77.70 to 78.70): VN0

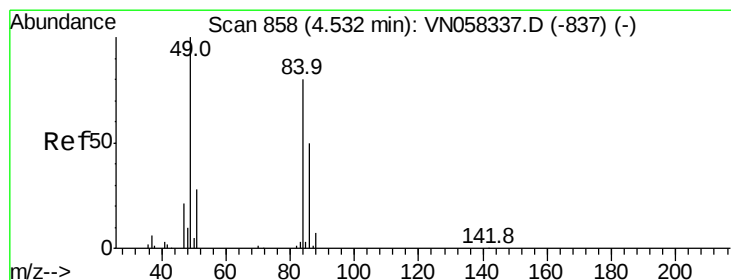
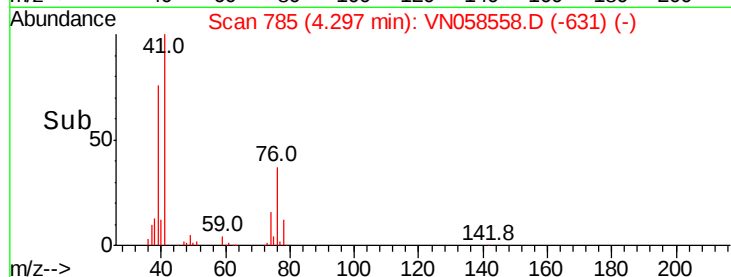
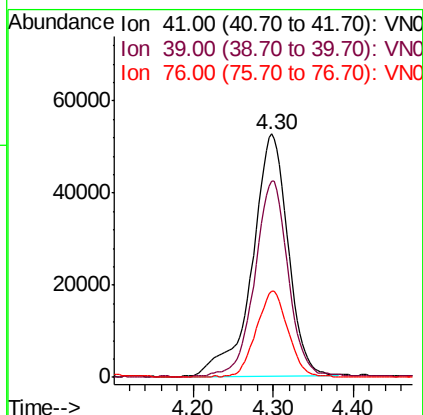
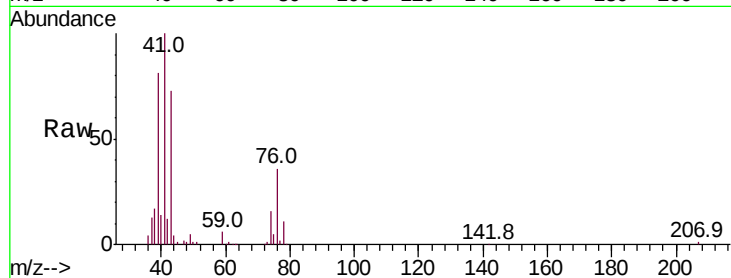




#17
Allvl chloride
Concen: 21.252 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

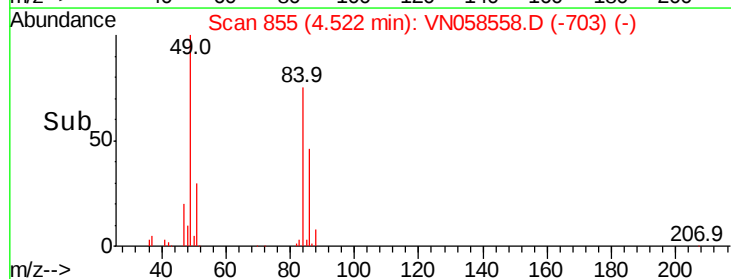
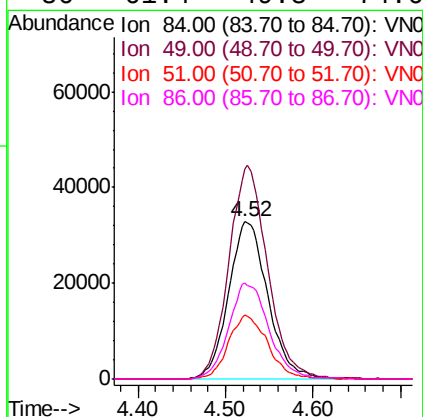
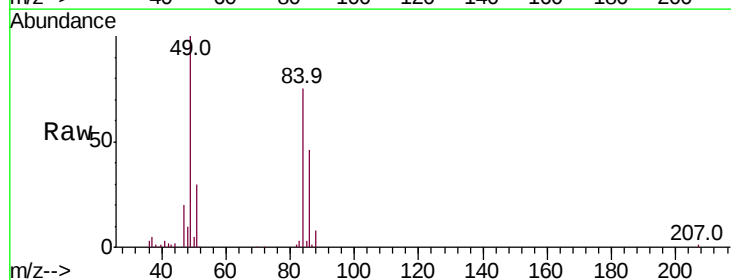
Instrument :
MSVOA_N
ClientSampleId :

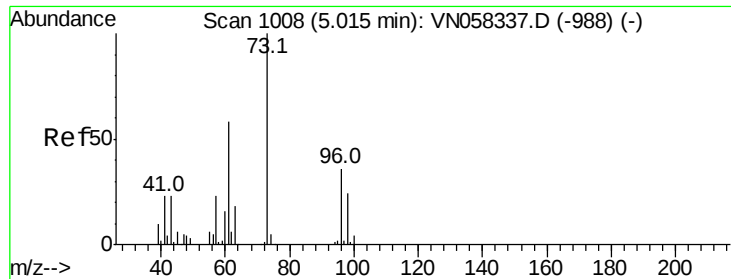
Tot Ion: 41 Resp: 162045
Ion Ratio Lower Upper
41 100
39 81.1 38.7 116.1
76 35.7 16.4 49.1



#18
Methylene Chloride
Concen: 21.231 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 84 Resp: 102237
Ion Ratio Lower Upper
84 100
49 133.9 99.8 149.6
51 40.4 28.3 42.5
86 61.4 49.8 74.6

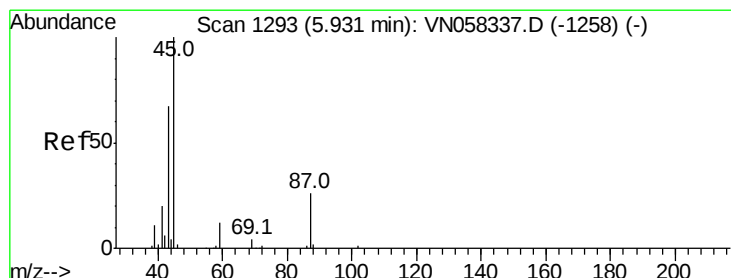
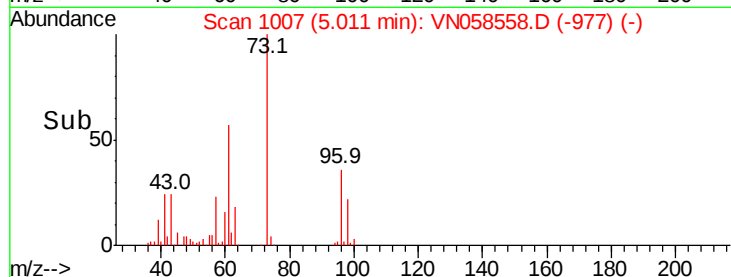
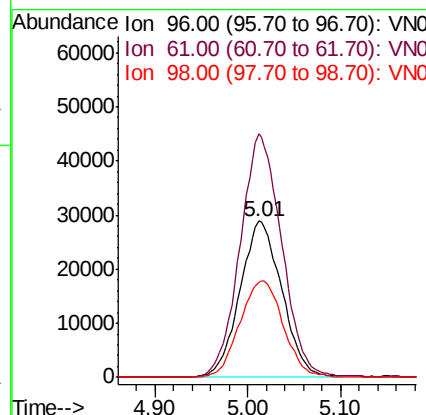
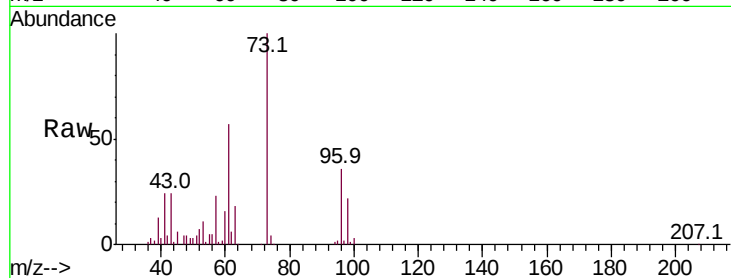




#19
trans-1,2-Dichloroethene
Concen: 19.867 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

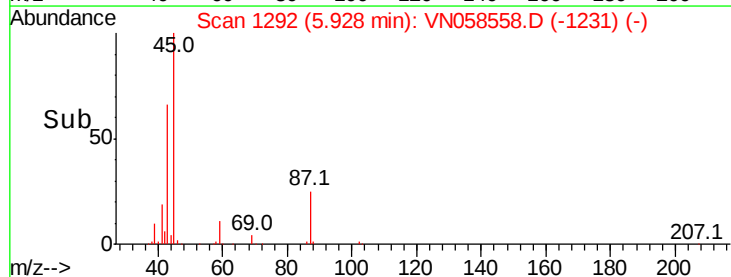
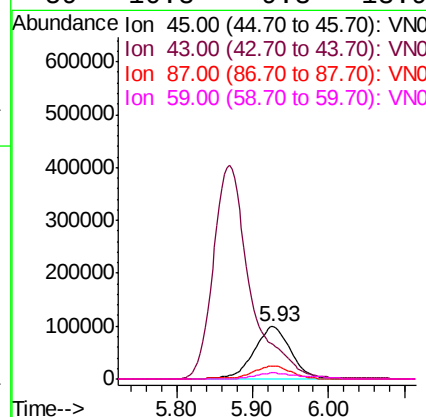
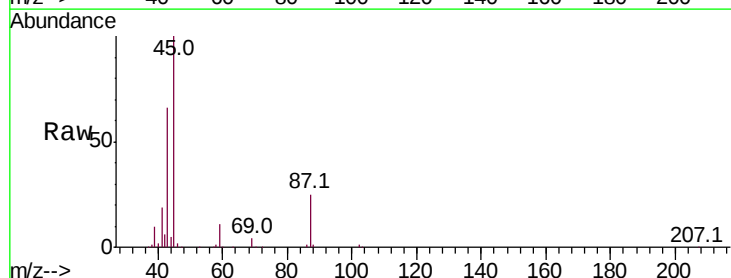
Instrument :
MSVOA_N
ClientSampled :

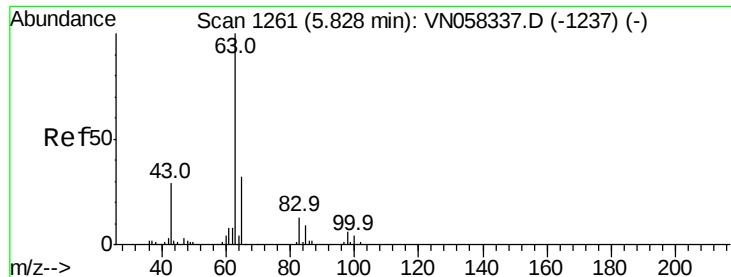
Tot Ion: 96 Resp: 90919
Ion Ratio Lower Upper
96 100
61 156.1 128.0 192.0
98 60.6 53.0 79.6



#20
Diisopropyl ether
Concen: 20.418 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 45 Resp: 331730
Ion Ratio Lower Upper
45 100
43 63.5 54.1 81.1
87 25.3 21.4 32.2
59 10.8 9.3 13.9





#21

1,1-Dichloroethane

Concen: 20.769 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :

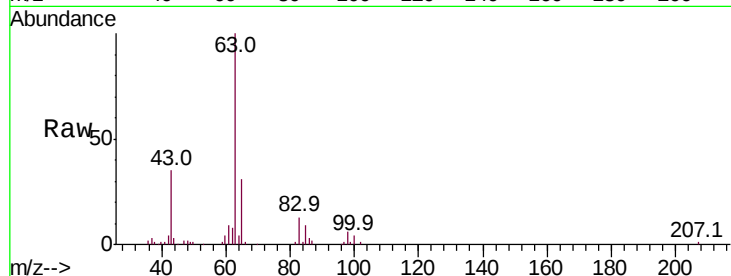
Tot Ion: 63 Resp: 188823

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

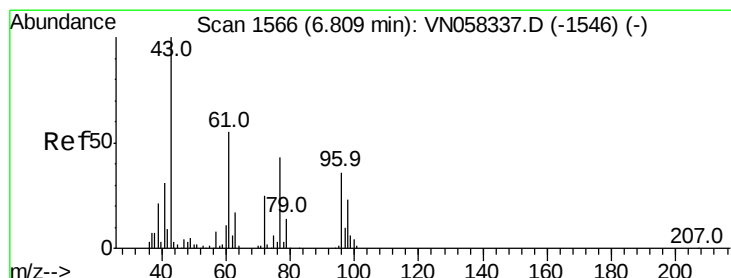
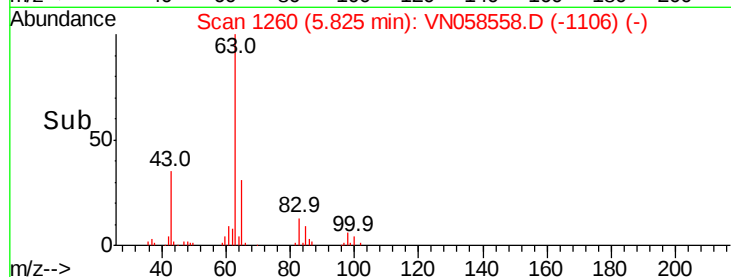
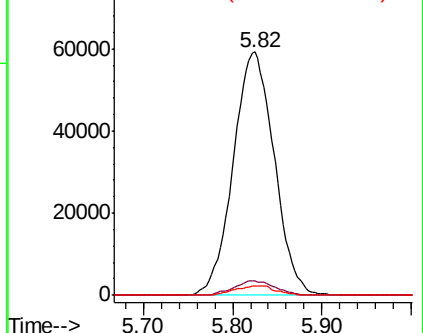
100 4.1 2.1 6.5



Abundance Ion 63.00 (62.70 to 63.70): VN058337.D (-1237) (-)

Ion 98.00 (97.70 to 98.70): VN058337.D (-1237) (-)

Ion 100.00 (99.70 to 100.70): VN058337.D (-1237) (-)



#22

cis-1,2-Dichloroethene

Concen: 19.913 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

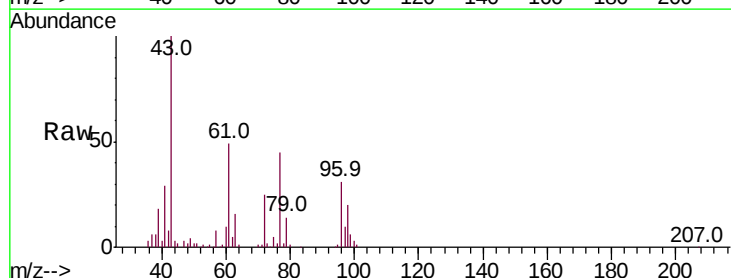
Tgt Ion: 96 Resp: 105855

Ion Ratio Lower Upper

96 100

61 165.0 128.2 192.2

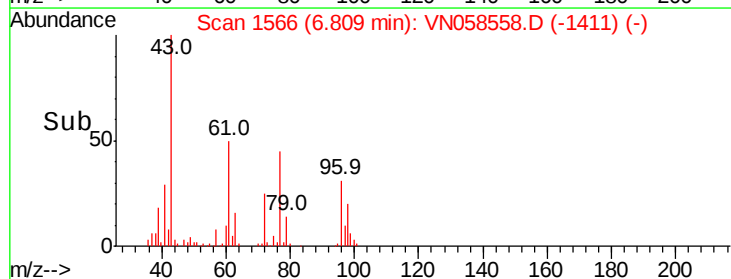
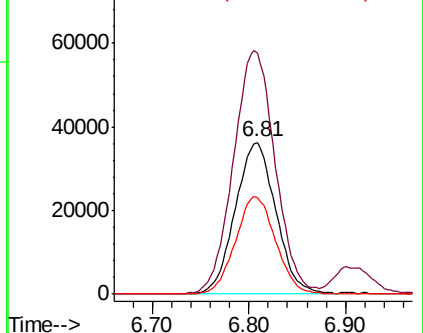
98 63.5 50.6 76.0

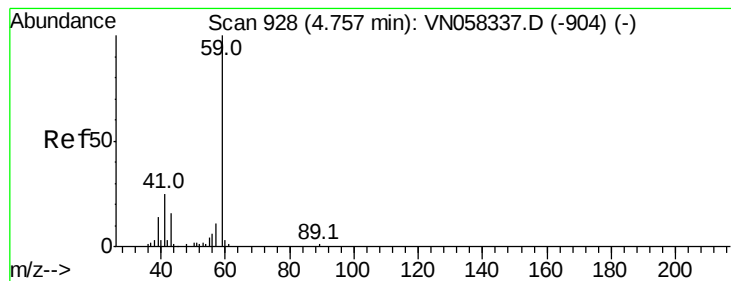


Abundance Ion 96.00 (95.70 to 96.70): VN058337.D (-1546) (-)

Ion 61.00 (60.70 to 61.70): VN058337.D (-1546) (-)

Ion 98.00 (97.70 to 98.70): VN058337.D (-1546) (-)



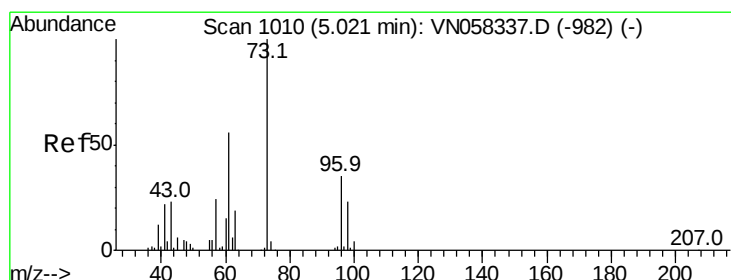
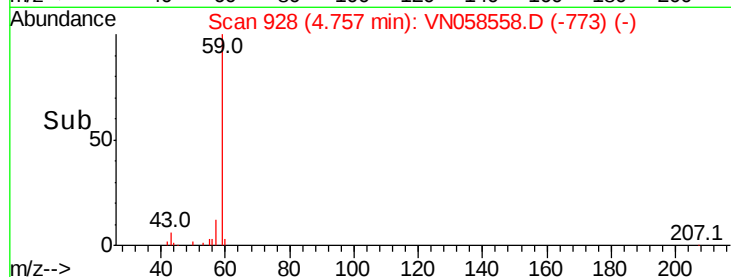
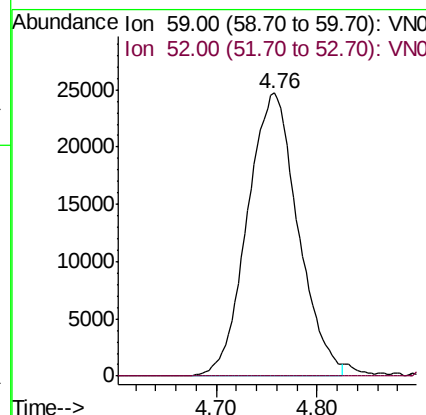
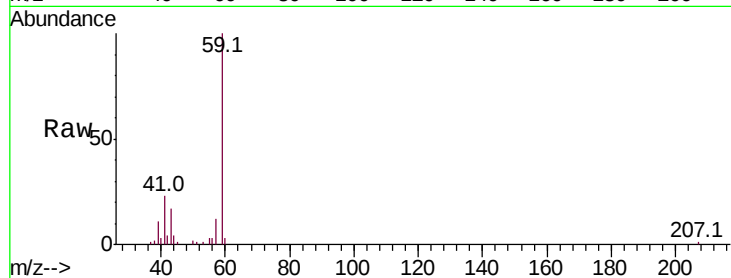


#23

tert-Butyl Alcohol
 Concen: 103.897 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Instrument :
 MSVOA_N
 ClientSampled :

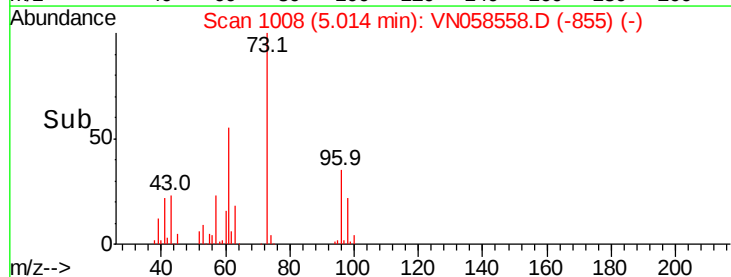
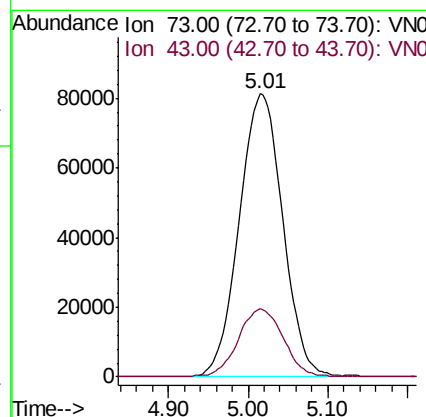
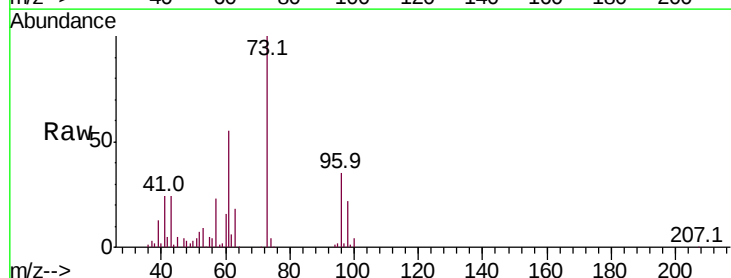
Tot Ion: 59 Resp: 86103
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.1 0.1

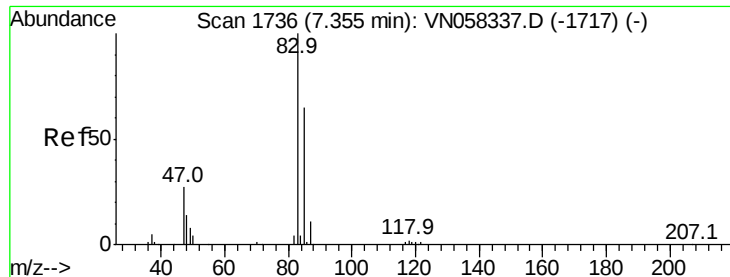


#24

Methyl tert-Butyl Ether
 Concen: 20.546 ug/l
 RT: 5.01 min Scan# 1008
 Delta R.T. -0.01 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion: 73 Resp: 301060
 Ion Ratio Lower Upper
 73 100
 43 24.2 18.4 27.6





#25

Chloroform

Concen: 20.337 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

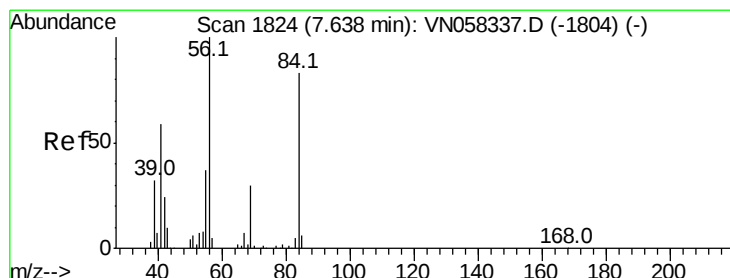
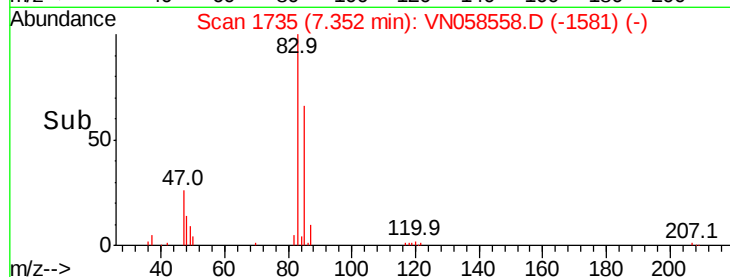
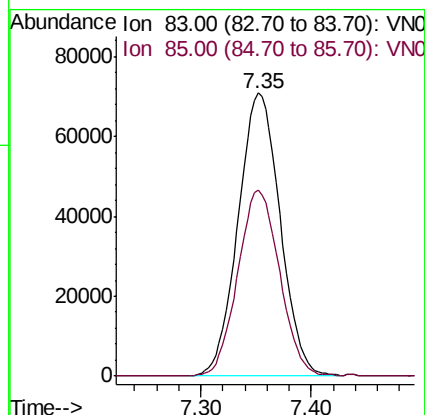
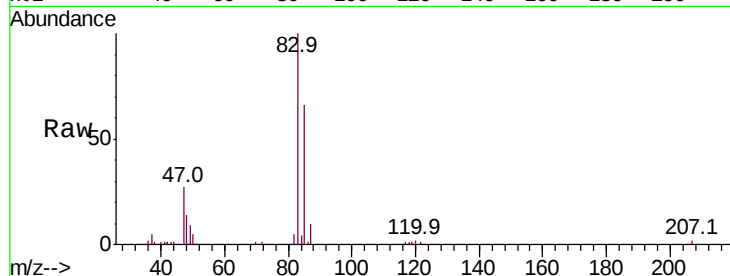
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 187227

Ion Ratio Lower Upper

83 100

85 65.7 51.8 77.6



#26

Cyclohexane

Concen: 18.905 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

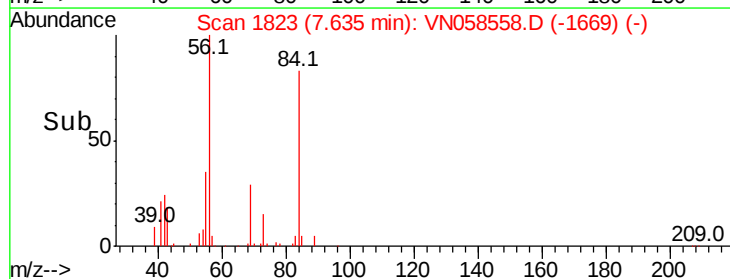
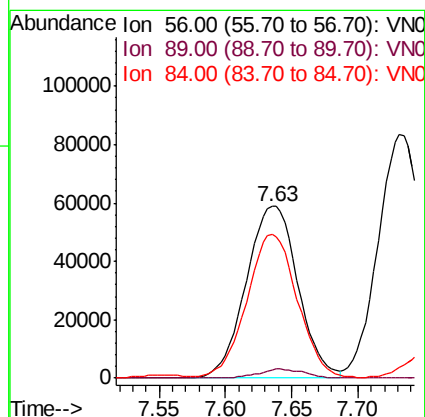
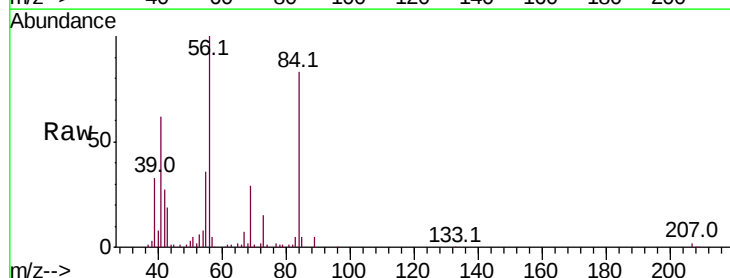
Tgt Ion: 56 Resp: 160654

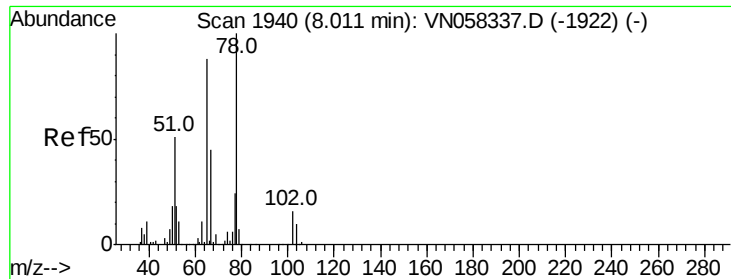
Ion Ratio Lower Upper

56 100

89 4.6 0.1 0.1#

84 81.9 66.9 100.3





#27

1,2-Dichloroethane-d4

Concen: 30.080 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

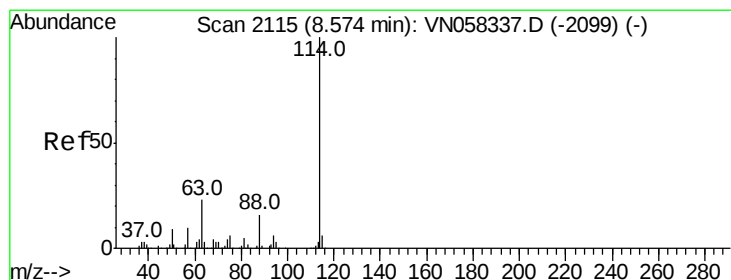
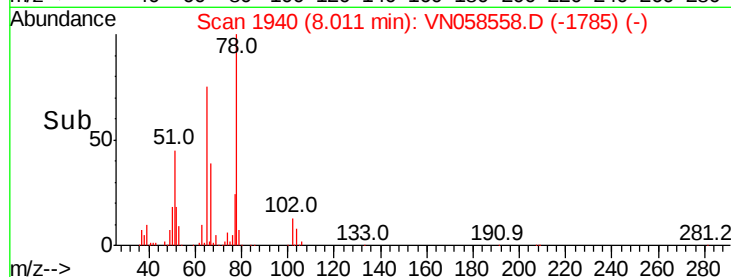
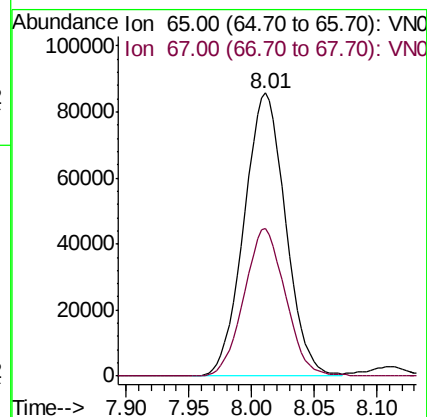
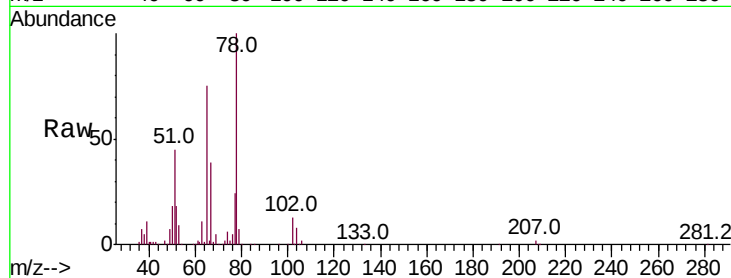
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 197726

Ion Ratio Lower Upper

65 100

67 51.8 40.4 60.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

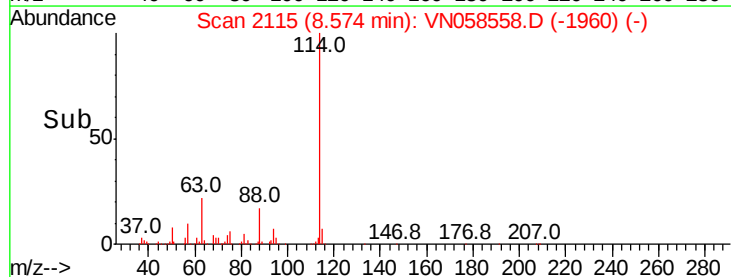
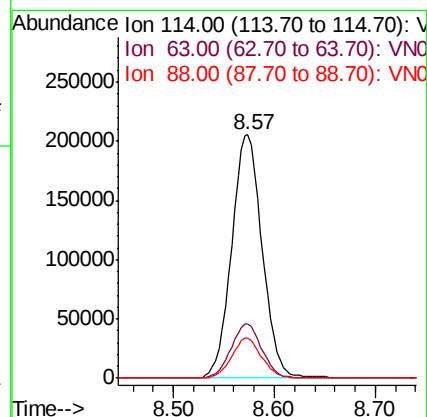
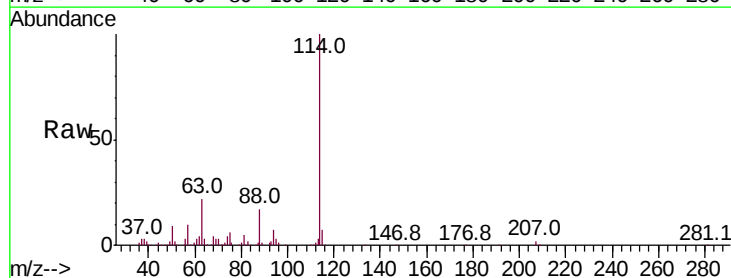
Tgt Ion: 114 Resp: 433446

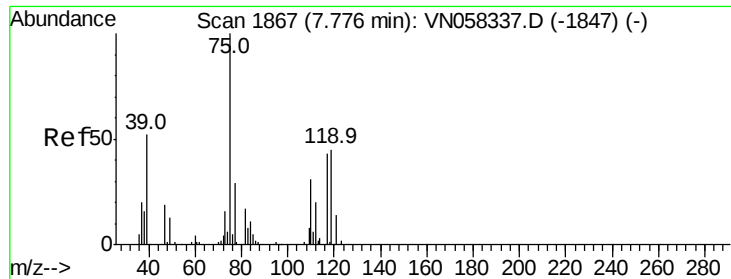
Ion Ratio Lower Upper

114 100

63 22.6 17.8 26.8

88 16.1 12.7 19.1

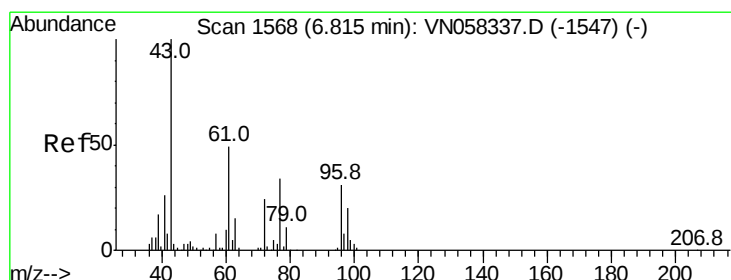
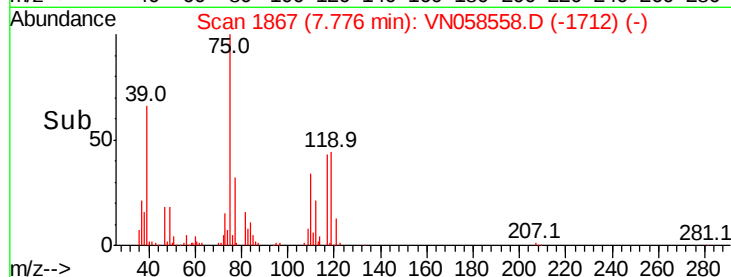
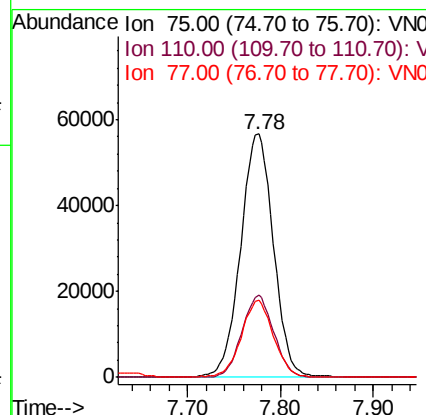
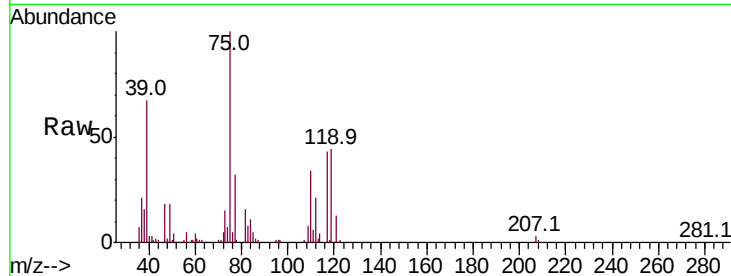




#29
 1,1-Dichloropropene
 Concen: 19.680 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

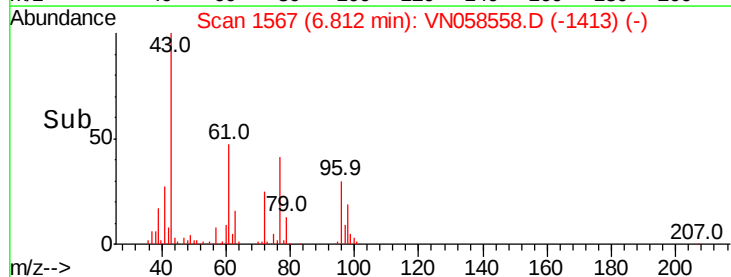
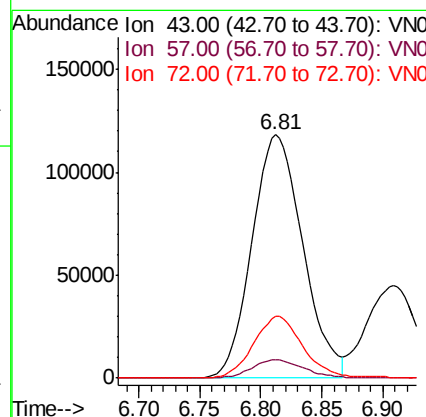
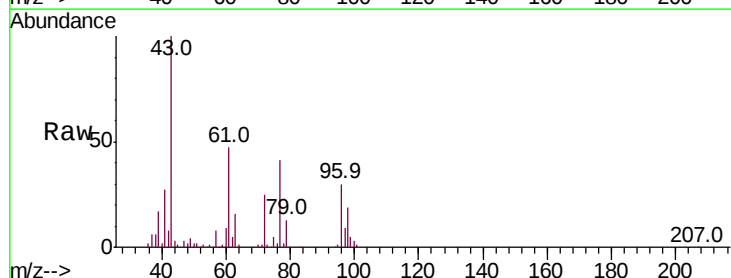
Instrument :
 MSVOA_N
 ClientSampleId :

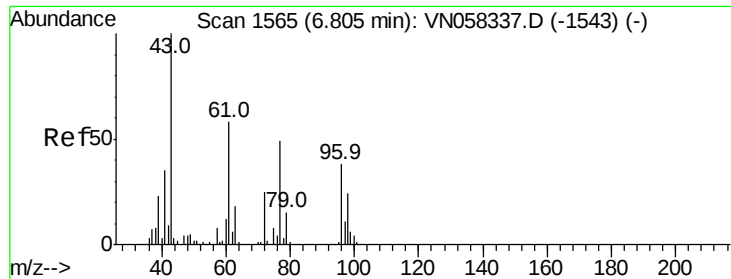
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.4	0.0	63.6
77	30.9	0.0	59.4



#30
 2-Butanone
 Concen: 105.825 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
43	100		
57	7.7	6.2	9.4
72	24.8	20.3	30.5

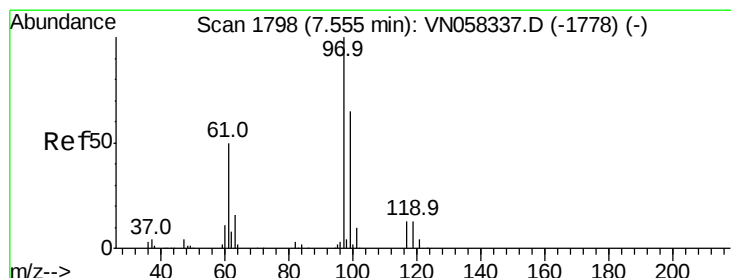
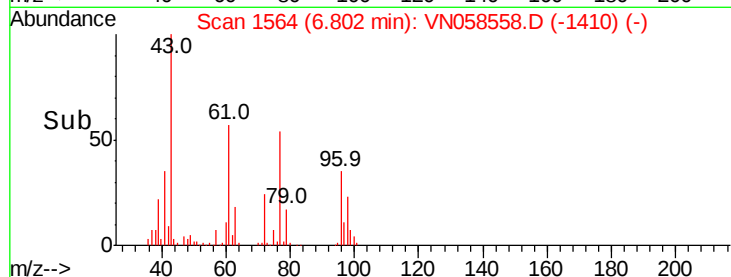
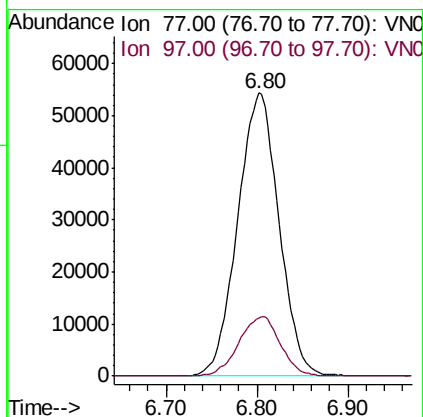
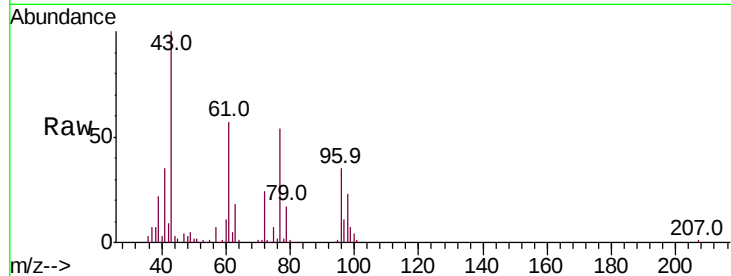




#31
 2,2-Dichloropropane
 Concen: 23.526 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

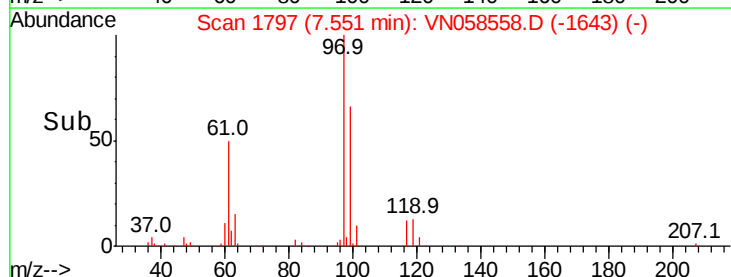
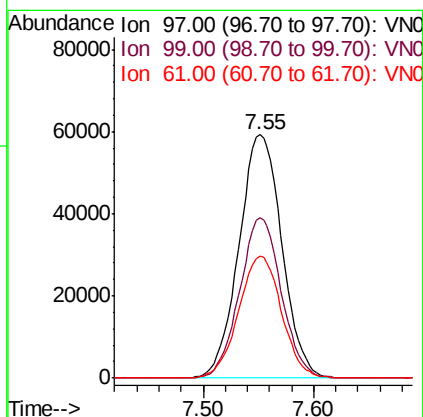
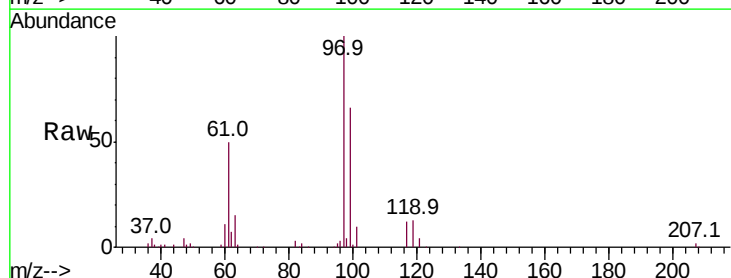
Instrument :
 MSVOA_N
 ClientSampled :

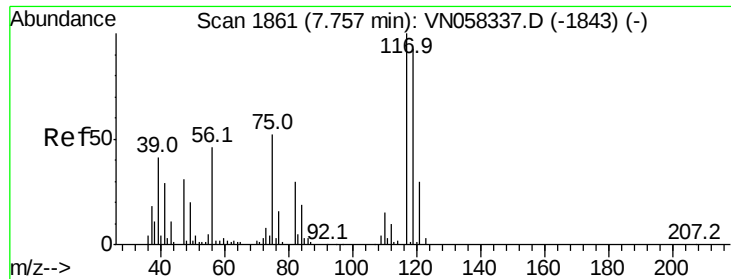
Tot Ion: 77 Resp: 171365
 Ion Ratio Lower Upper
 77 100
 97 21.1 17.6 26.4



#32
 1,1,1-Trichloroethane
 Concen: 20.982 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion: 97 Resp: 160118
 Ion Ratio Lower Upper
 97 100
 99 64.0 51.8 77.6
 61 50.1 39.4 59.2

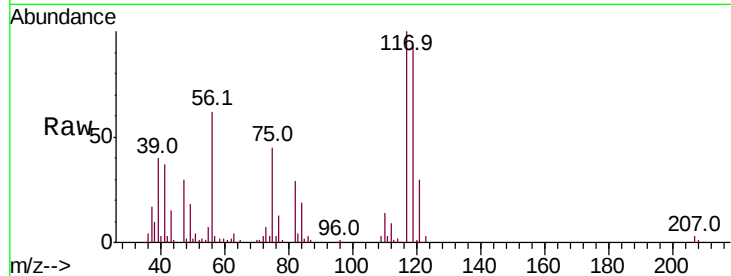




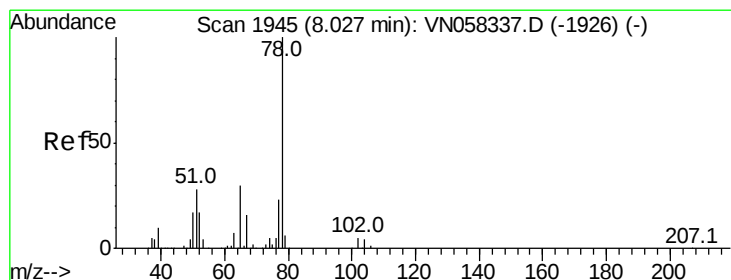
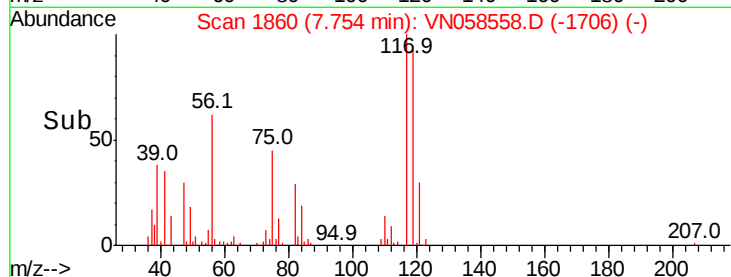
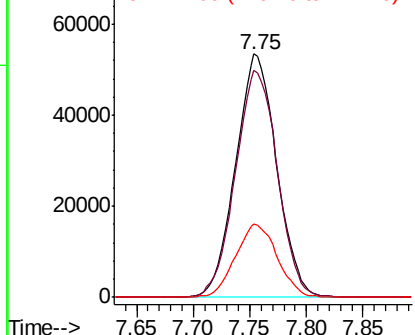
#33
Carbon Tetrachloride
Concen: 20.805 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 134892
Ion Ratio Lower Upper
117 100
119 93.1 74.2 111.4
121 30.0 23.9 35.9

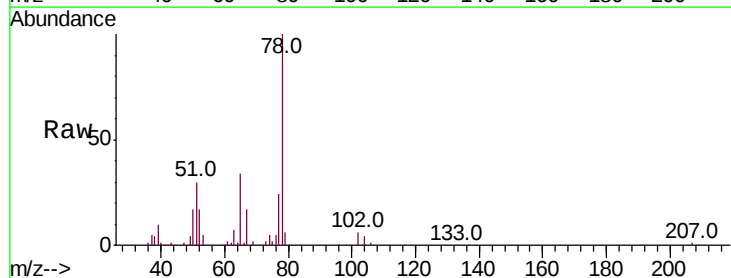


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

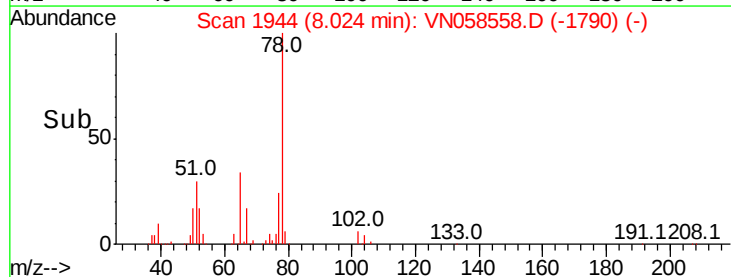
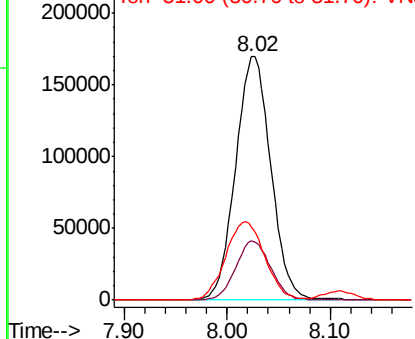


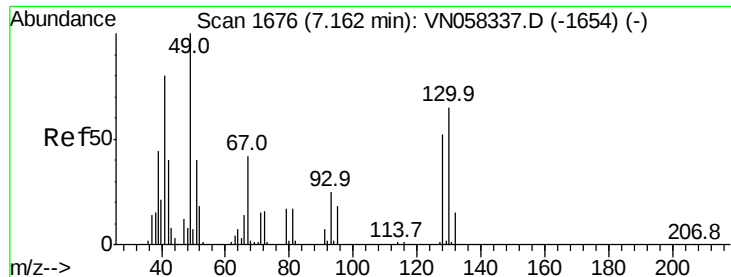
#34
Benzene
Concen: 20.138 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 78 Resp: 404190
Ion Ratio Lower Upper
78 100
77 24.4 18.8 28.2
51 30.2 22.4 33.6



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

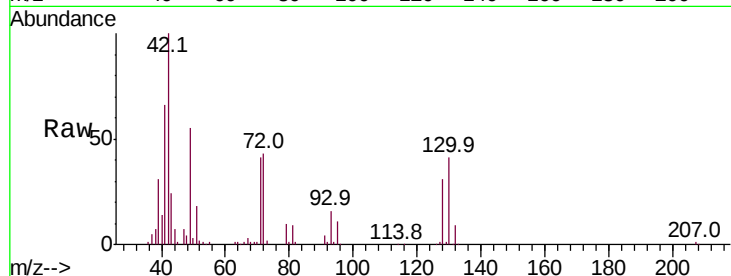




#35
Methacrylonitrile
Concen: 68.804 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	47.0	27.3	81.9
67	4.8	26.3	78.9#
52	1.9	11.0	33.0#



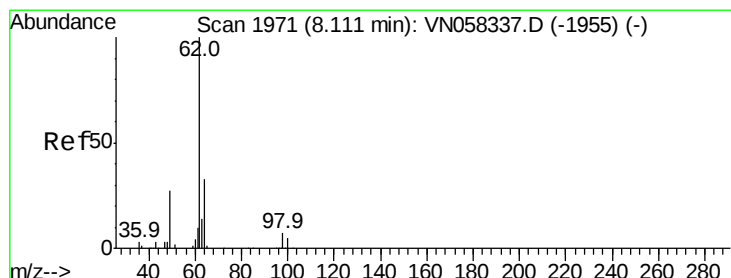
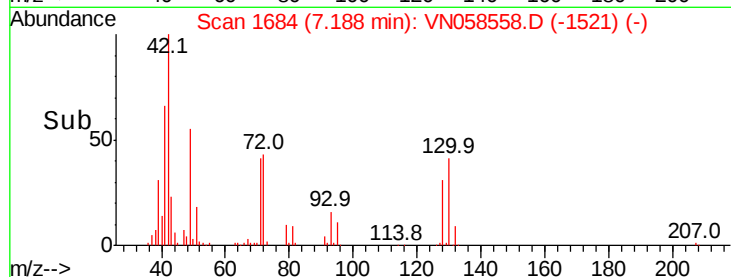
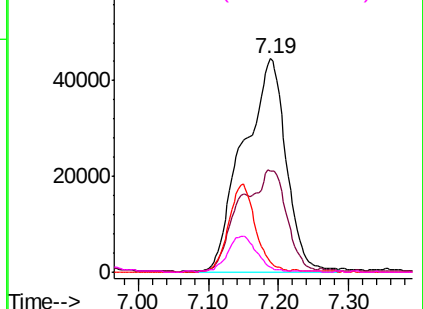
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

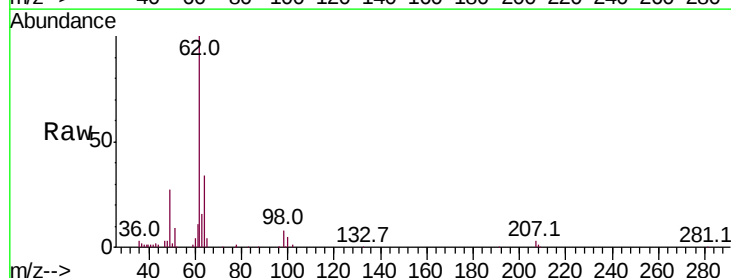
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#36
1,2-Dichloroethane
Concen: 20.018 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

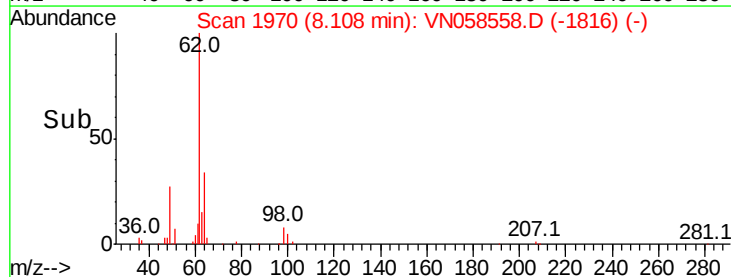
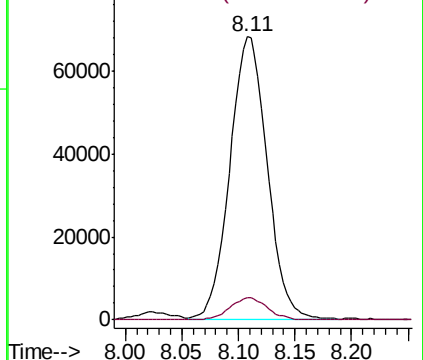
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	6.0	9.0

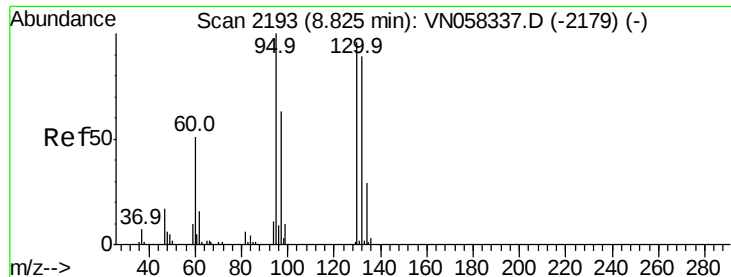


Abundance

Ion 62.00 (61.70 to 62.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 20.081 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

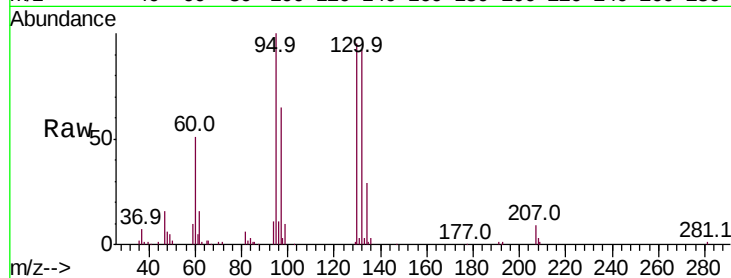
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:130 Resp: 100901

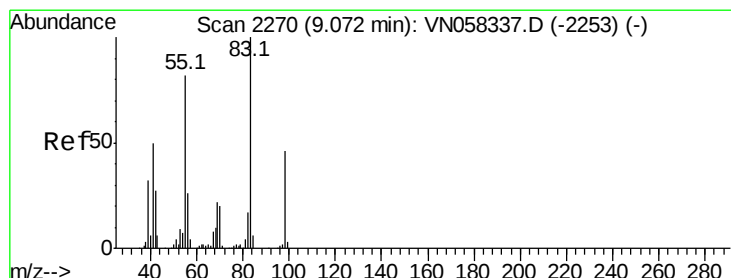
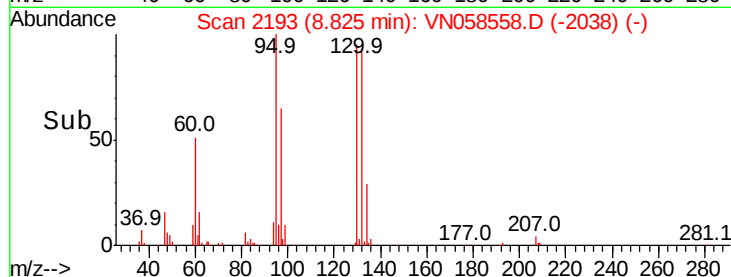
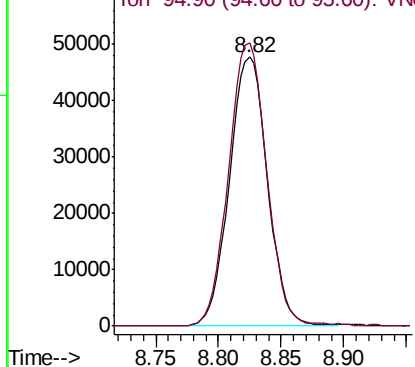
Ion Ratio Lower Upper

130 100

95 105.4 83.3 124.9



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 17.847 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

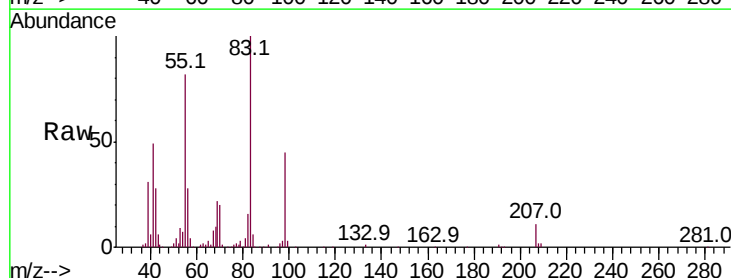
Tgt Ion: 83 Resp: 152693

Ion Ratio Lower Upper

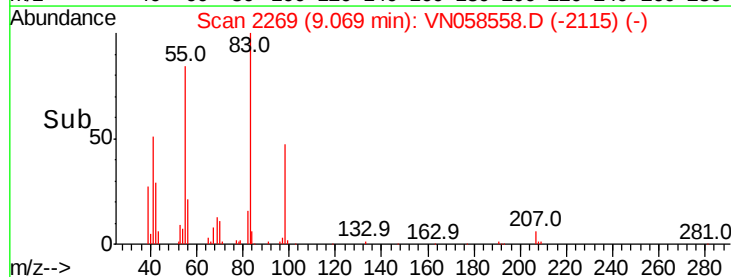
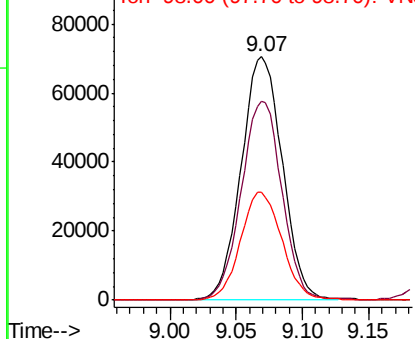
83 100

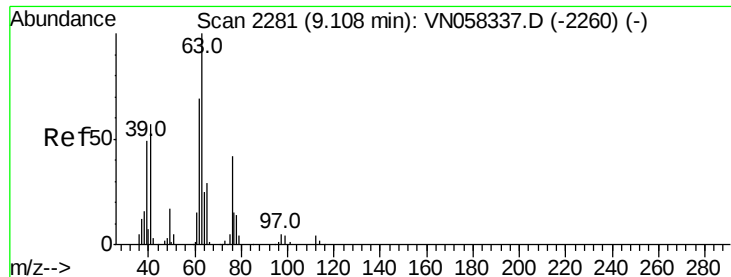
55 80.6 40.5 121.4

98 44.7 23.1 69.2



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

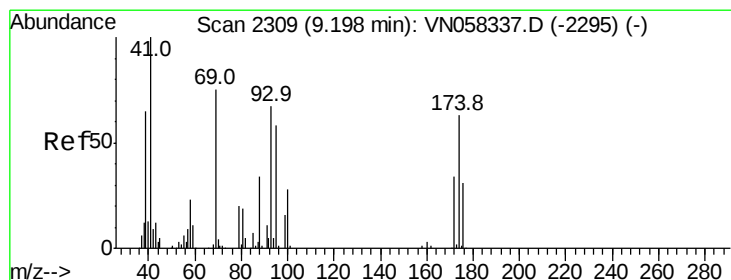
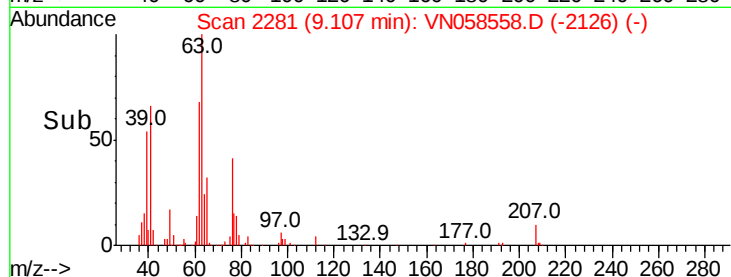
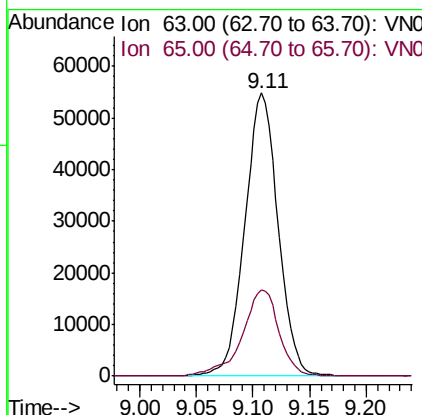
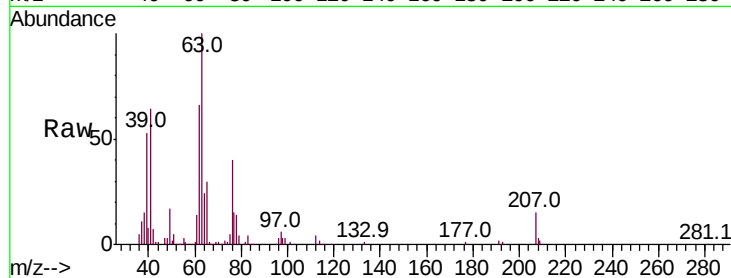




#39
 1,2-Dichloropropane
 Concen: 20.490 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

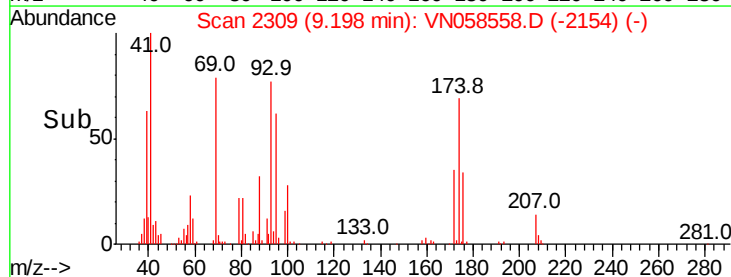
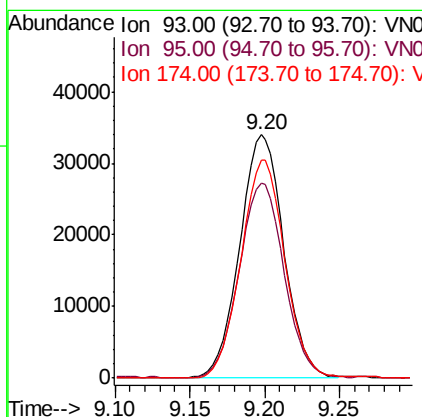
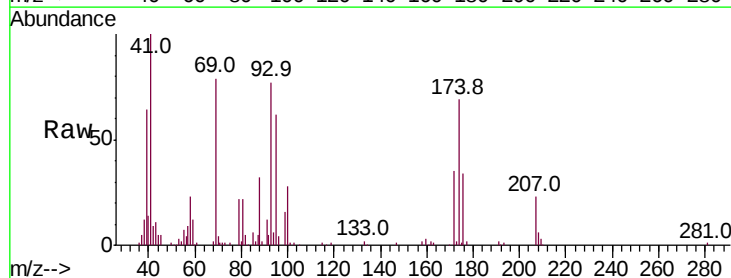
Instrument :
 MSVOA_N
 ClientSampled :

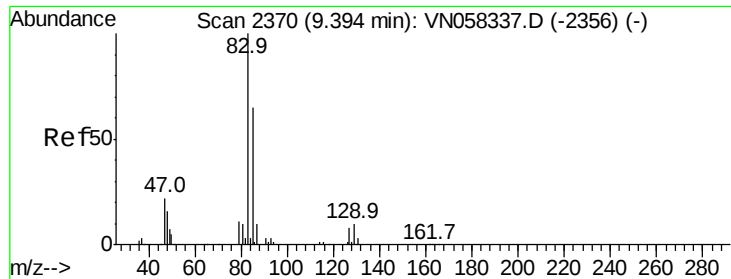
Tot Ion: 63 Resp: 112176
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.4 35.0



#40
 Dibromomethane
 Concen: 20.136 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion: 93 Resp: 69576
 Ion Ratio Lower Upper
 93 100
 95 81.9 0.0 166.8
 174 89.7 0.0 187.2





#41

Bromodichloromethane

Concen: 20.760 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

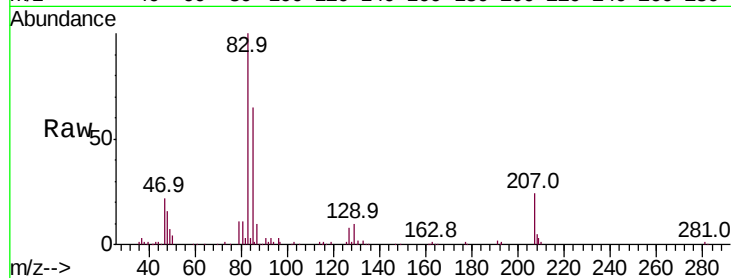
Tot Ion: 83 Resp: 141783

Ion Ratio Lower Upper

83 100

85 65.2 52.0 78.0

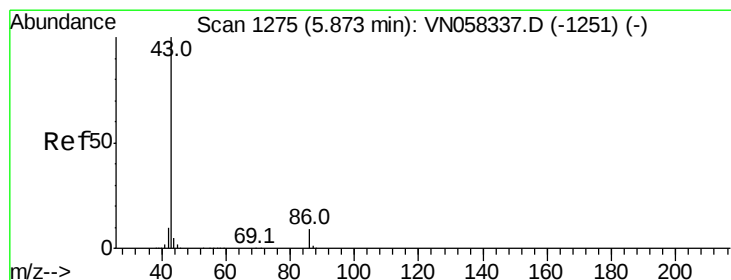
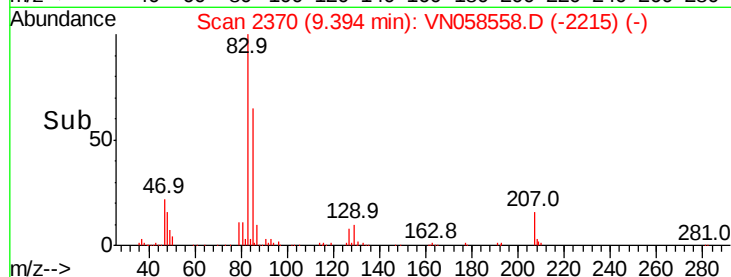
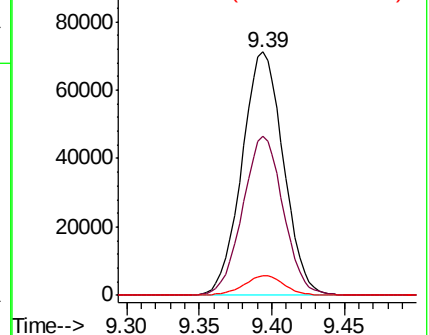
127 8.1 6.1 9.1



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 111.434 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058558.D

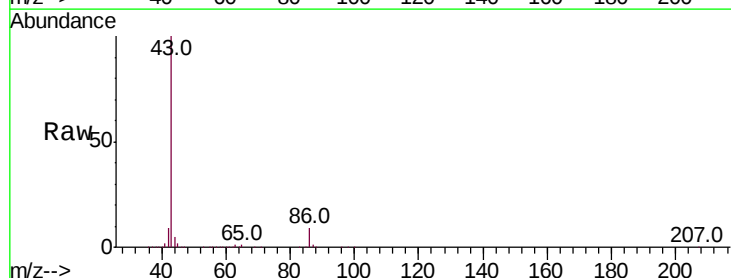
Acq: 7 Oct 2019 11:26

Tgt Ion: 43 Resp: 1366878

Ion Ratio Lower Upper

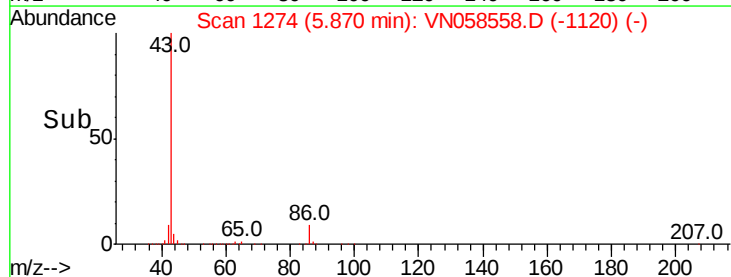
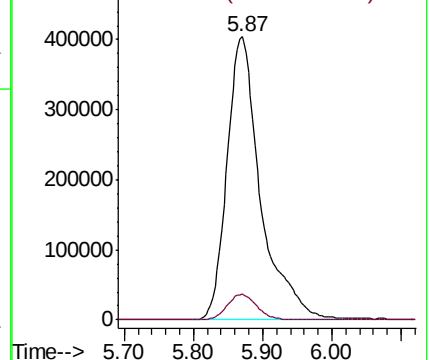
43 100

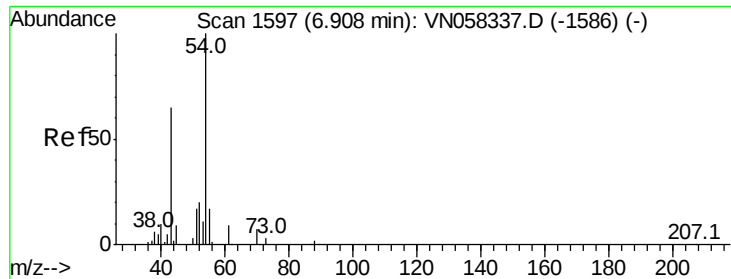
86 8.1 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.463 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

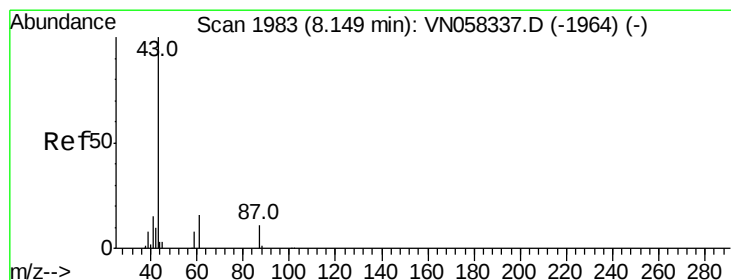
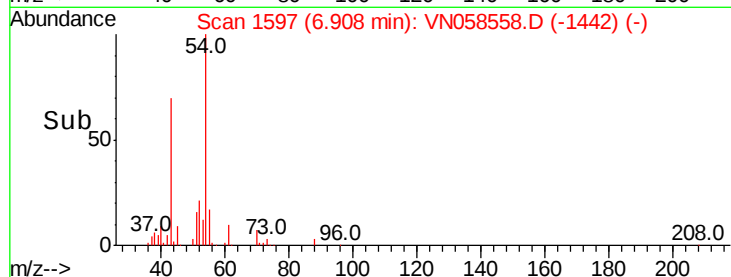
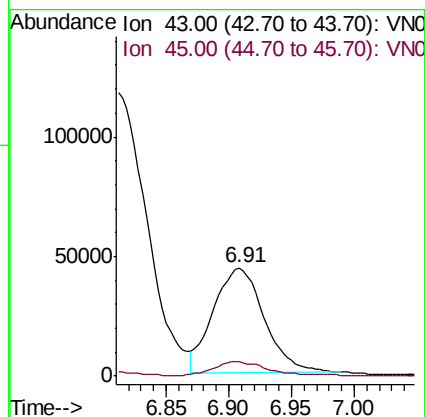
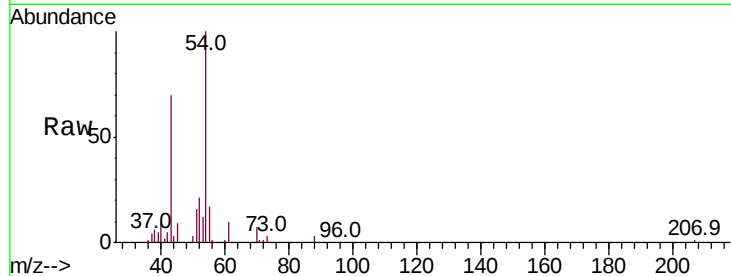
ClientSampleId :

Tot Ion: 43 Resp: 124150

Ion Ratio Lower Upper

43 100

45 14.6 9.8 14.6



#44

Isopropyl Acetate

Concen: 19.231 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058558.D

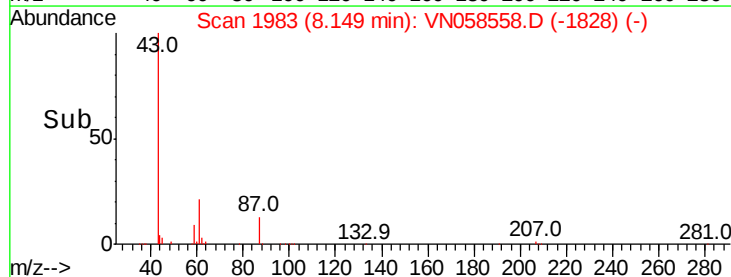
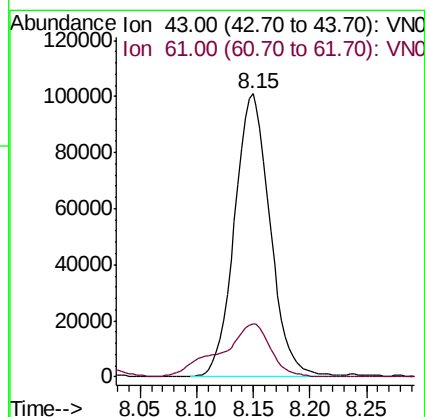
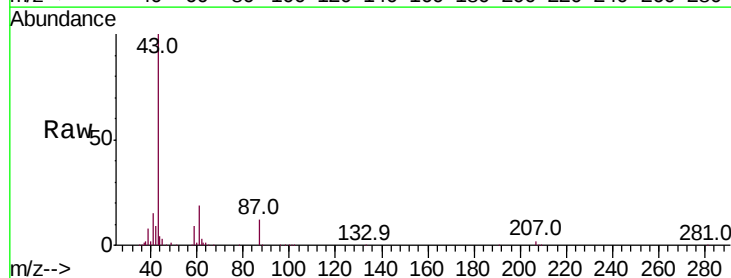
Acq: 7 Oct 2019 11:26

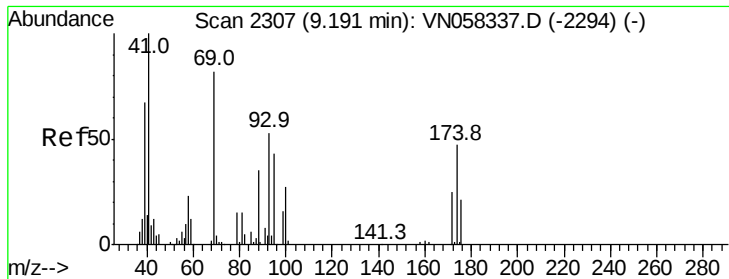
Tgt Ion: 43 Resp: 219588

Ion Ratio Lower Upper

43 100

61 26.5 14.4 21.6#

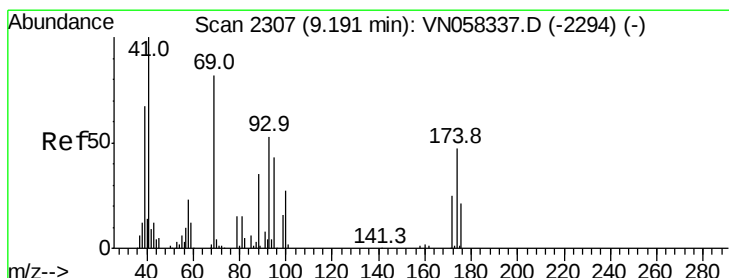
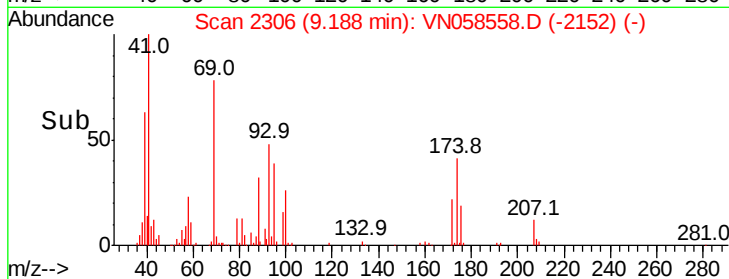
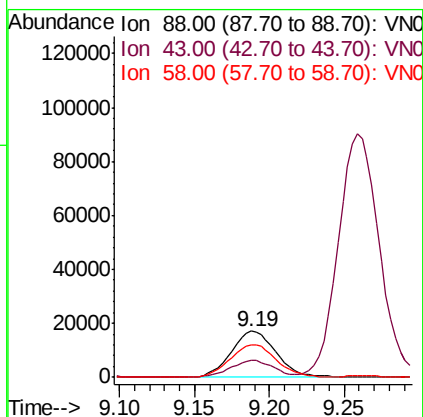
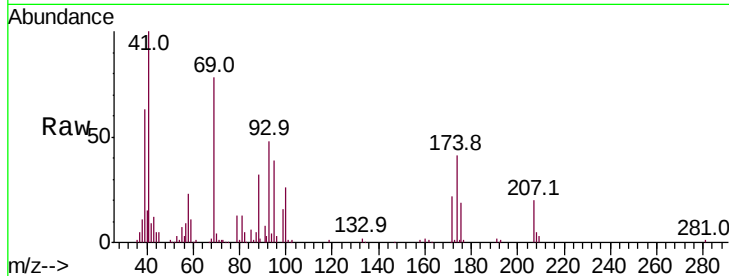




#45
 1,4-Dioxane
 Concen: 373.814 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

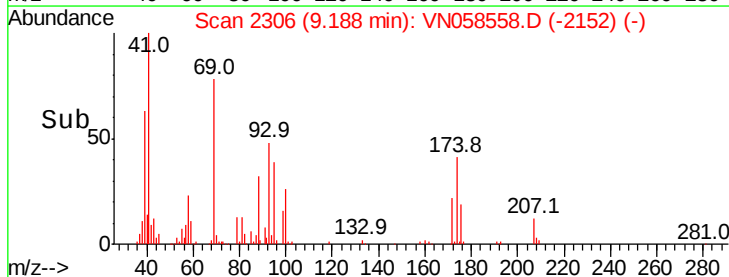
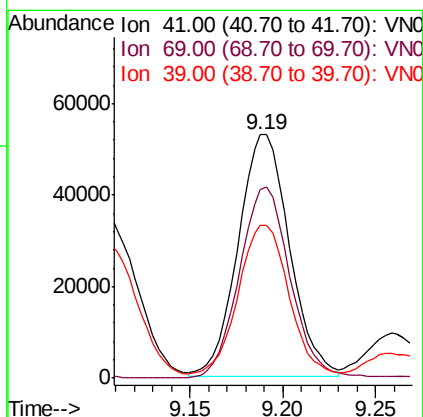
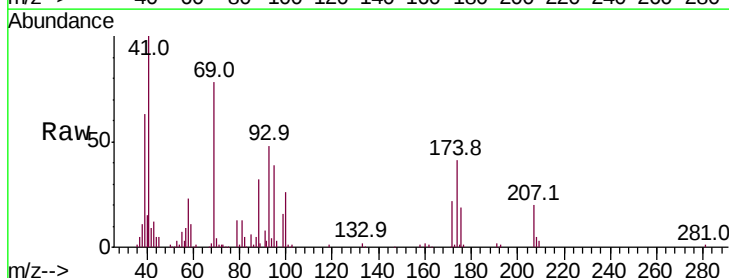
Instrument :
 MSVOA_N
 ClientSampleId :

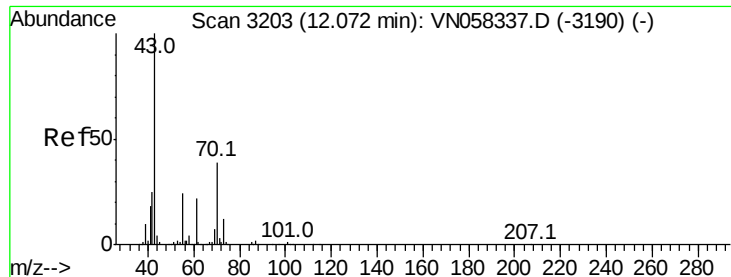
Tot Ion: 88 Resp: 36009
 Ion Ratio Lower Upper
 88 100
 43 32.6 27.2 40.8
 58 72.4 55.4 83.0



#46
 Methyl methacrylate
 Concen: 18.889 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion: 41 Resp: 102217
 Ion Ratio Lower Upper
 41 100
 69 79.1 40.9 122.7
 39 62.5 33.6 100.6





#47

n-amvl Acetate

Concen: 19.382 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

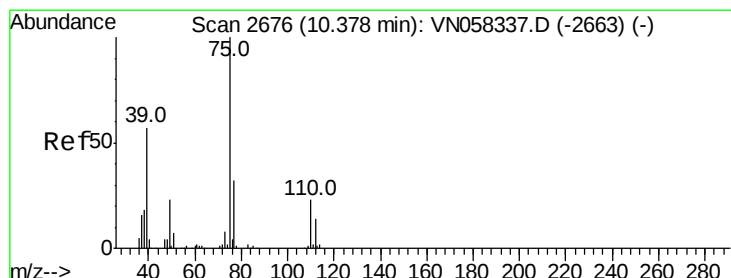
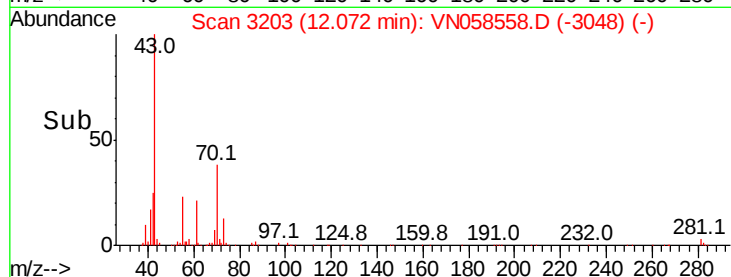
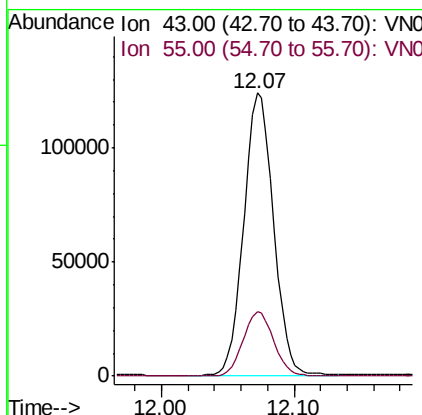
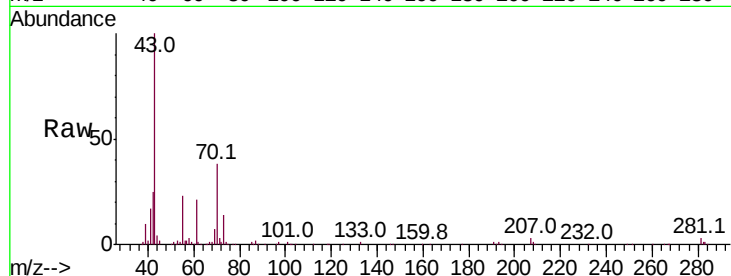
ClientSampled :

Tot Ion: 43 Resp: 192640

Ion Ratio Lower Upper

43 100

55 23.7 19.0 28.4



#48

t-1,3-Dichloropropene

Concen: 20.842 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058558.D

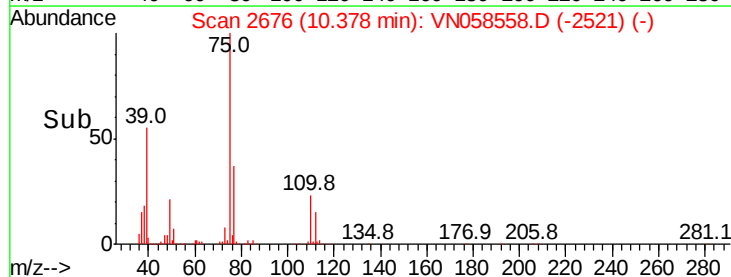
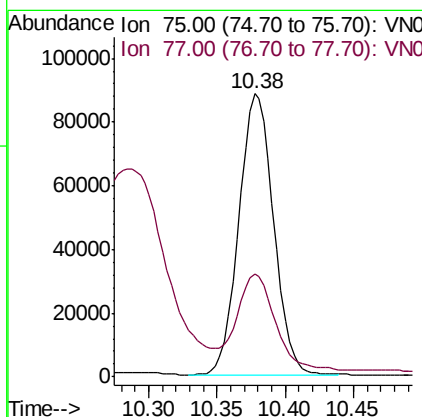
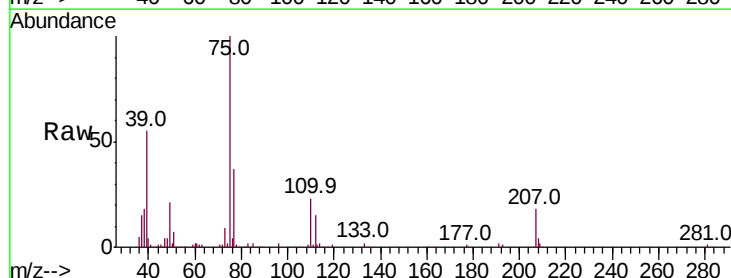
Acq: 7 Oct 2019 11:26

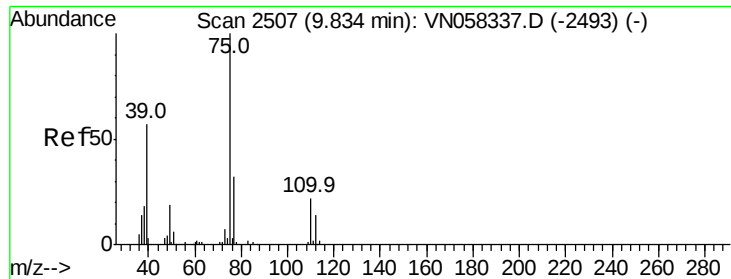
Tgt Ion: 75 Resp: 155542

Ion Ratio Lower Upper

75 100

77 34.2 25.4 38.0

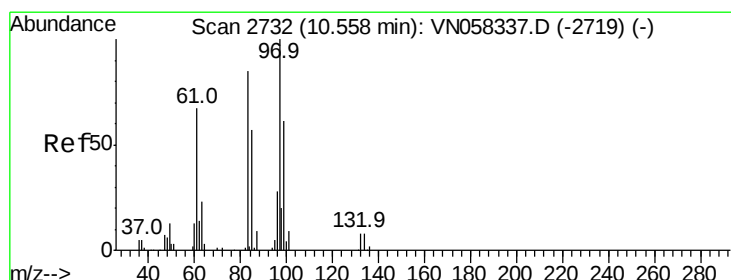
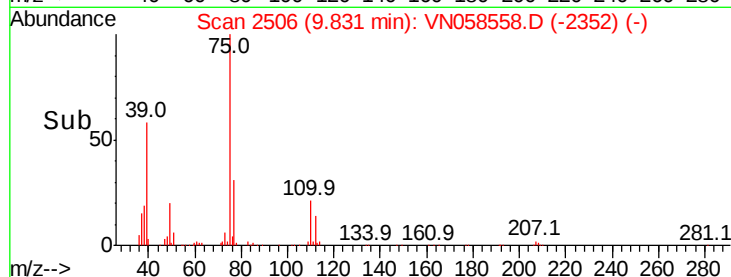
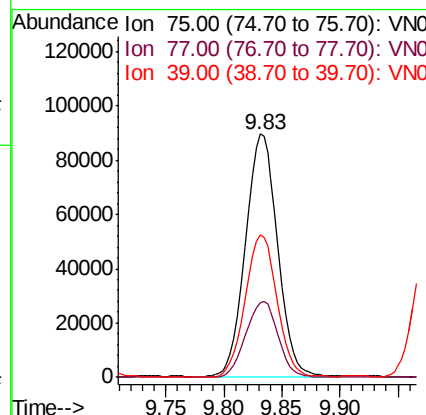
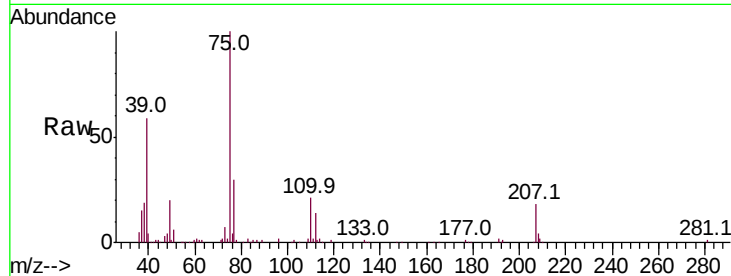




#49
 cis-1,3-Dichloropropene
 Concen: 20.691 ug/l
 RT: 9.83 min Scan# 2506
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

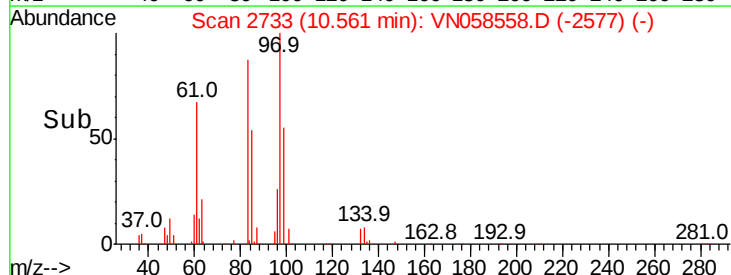
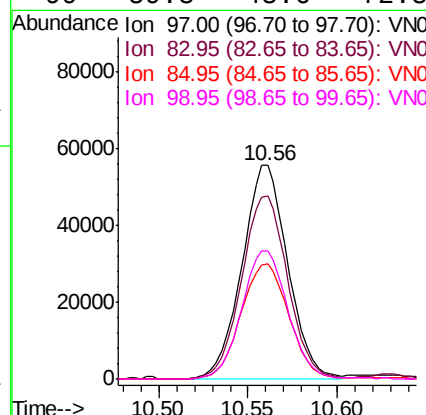
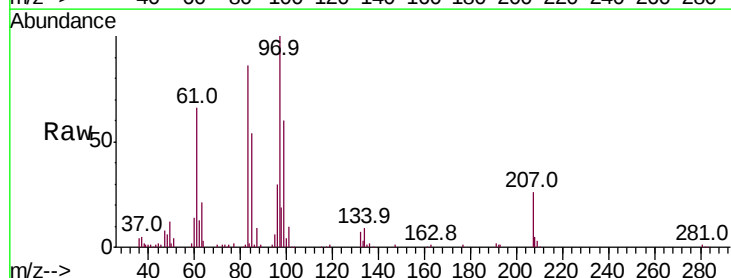
Instrument :
 MSVOA_N
 ClientSampleId :

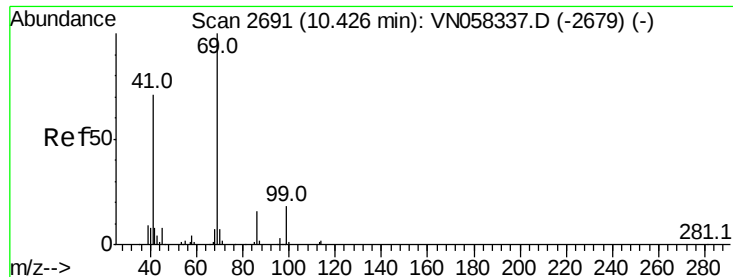
Tot Ion: 75 Resp: 171919
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.2 37.8
 39 58.4 45.8 68.6



#50
 1,1,2-Trichloroethane
 Concen: 20.695 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion: 97 Resp: 99938
 Ion Ratio Lower Upper
 97 100
 83 85.5 67.8 101.6
 85 53.8 45.8 68.6
 99 59.8 48.6 72.8





#51

Ethyl methacrylate

Concen: 18.808 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

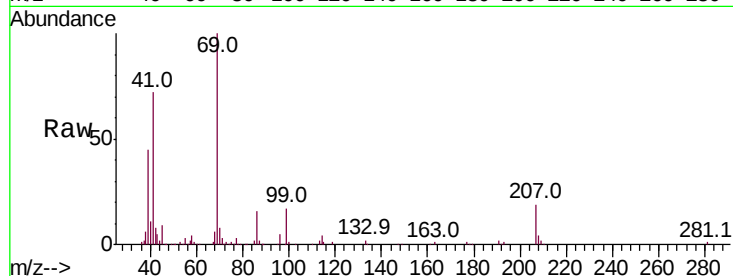
Tot Ion: 69 Resp: 143698

Ion Ratio Lower Upper

69 100

41 71.2 35.4 106.1

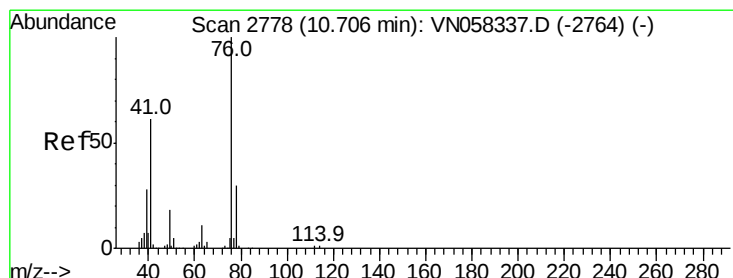
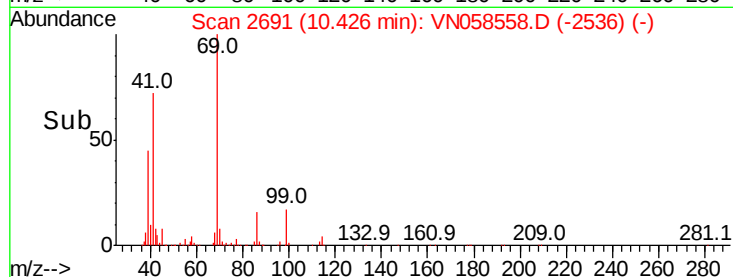
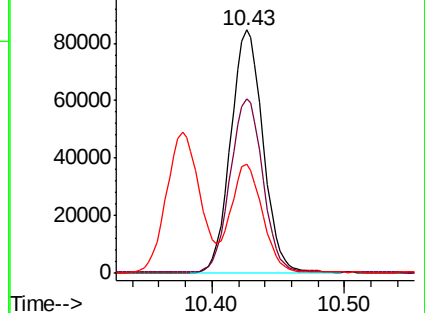
39 44.5 23.5 70.5



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: 19.908 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058558.D

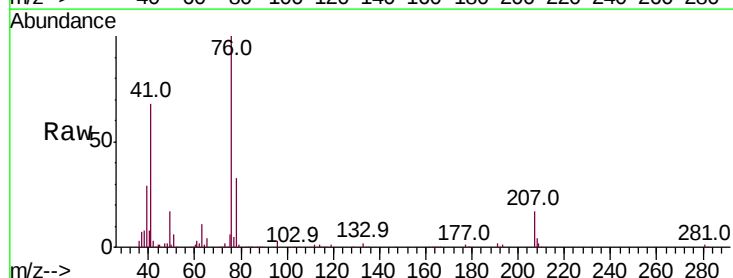
Acq: 7 Oct 2019 11:26

Tgt Ion: 76 Resp: 170739

Ion Ratio Lower Upper

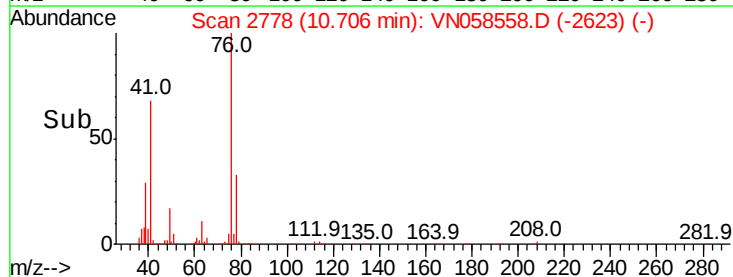
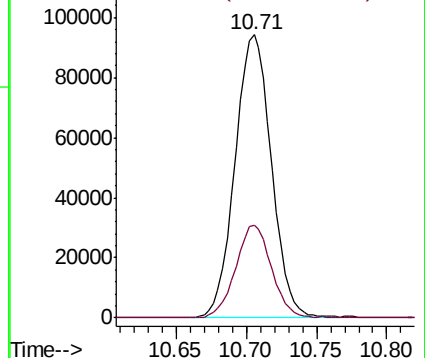
76 100

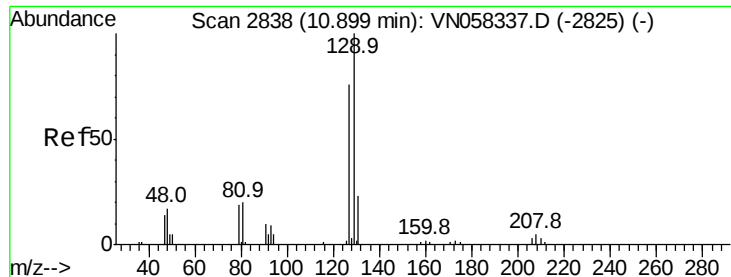
78 32.1 0.0 63.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 20.184 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

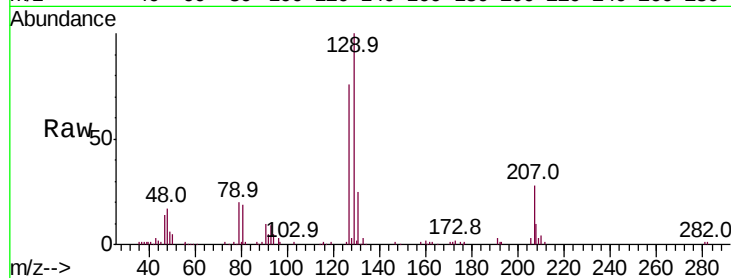
ClientSampled :

Tot Ion:129 Resp: 97921

Ion Ratio Lower Upper

129 100

127 78.1 38.4 115.2



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

60000

50000

40000

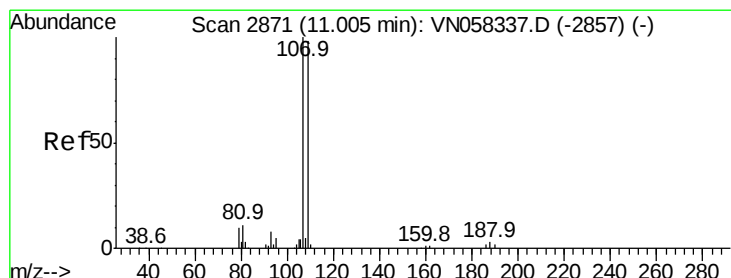
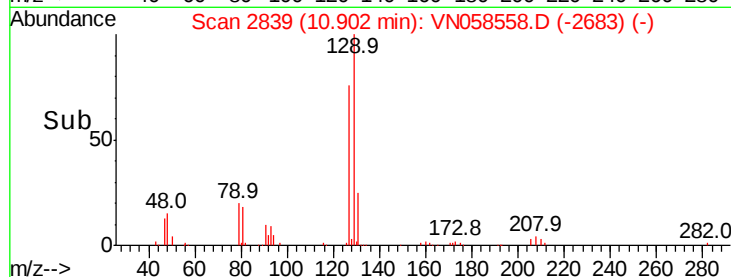
30000

20000

10000

0

Time--> 10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 19.935 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058558.D

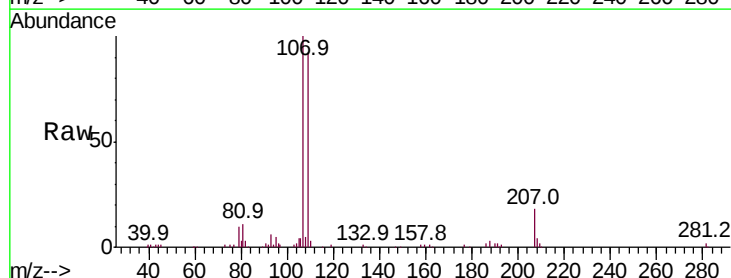
Acq: 7 Oct 2019 11:26

Tgt Ion:107 Resp: 98241

Ion Ratio Lower Upper

107 100

109 92.0 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

60000

50000

40000

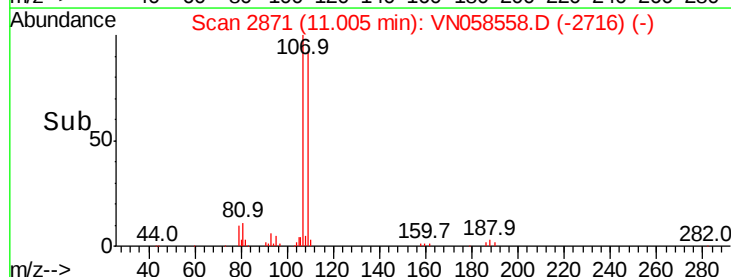
30000

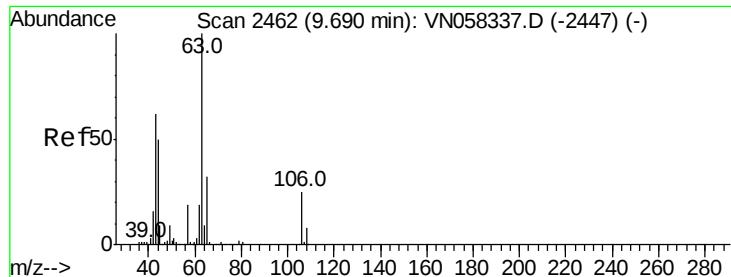
20000

10000

0

Time--> 10.95 11.00 11.05





#55

2-Chloroethyl vinyl ether

Concen: 111.521 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

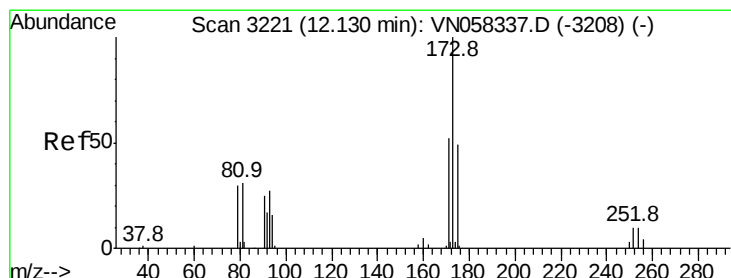
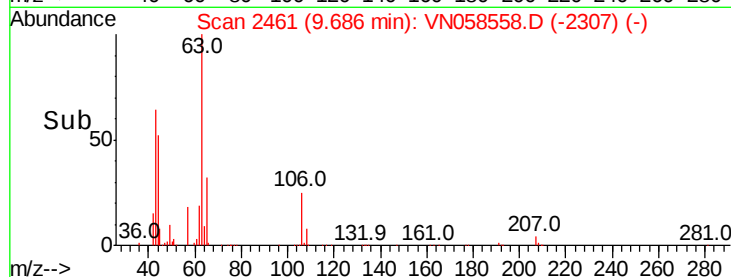
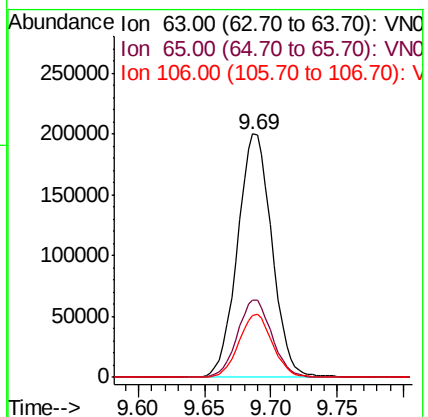
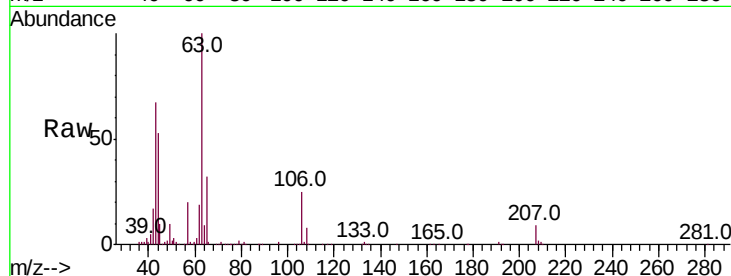
Tot Ion: 63 Resp: 360790

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.2

106 25.3 20.4 30.6



#56

Bromoform

Concen: 20.024 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

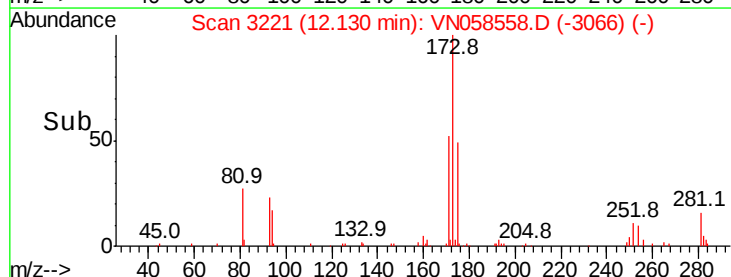
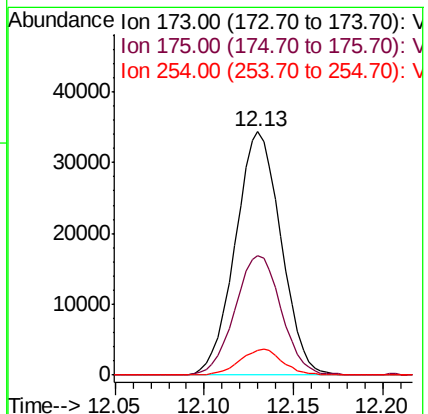
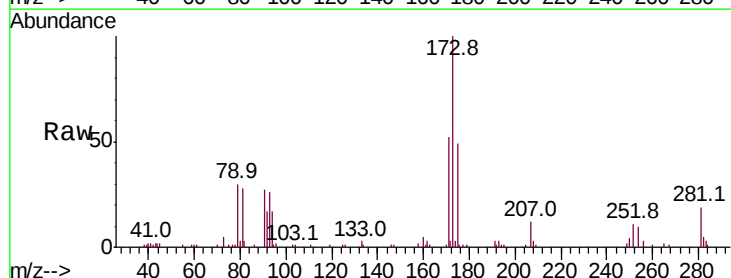
Tgt Ion:173 Resp: 61274

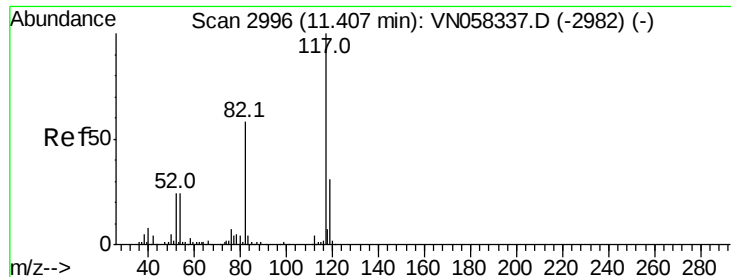
Ion Ratio Lower Upper

173 100

175 49.7 38.8 58.2

254 9.9 7.8 11.8

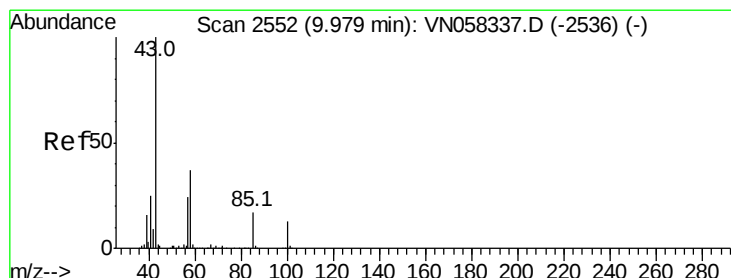
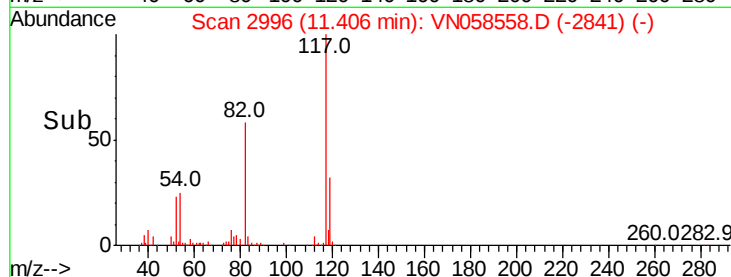
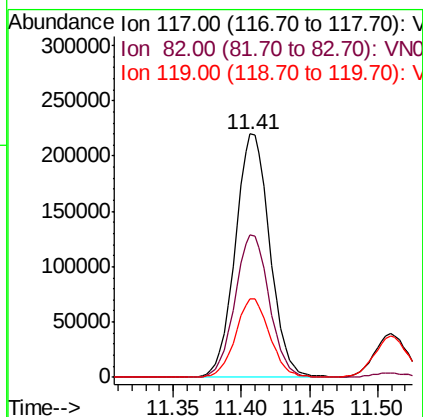
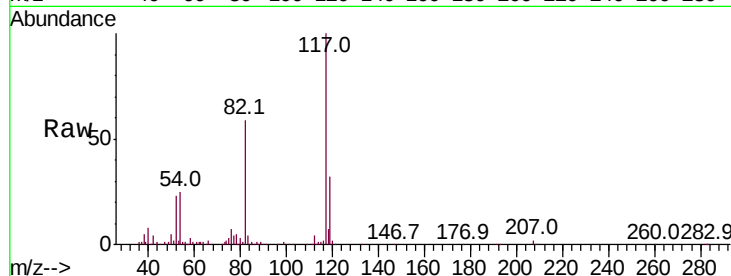




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

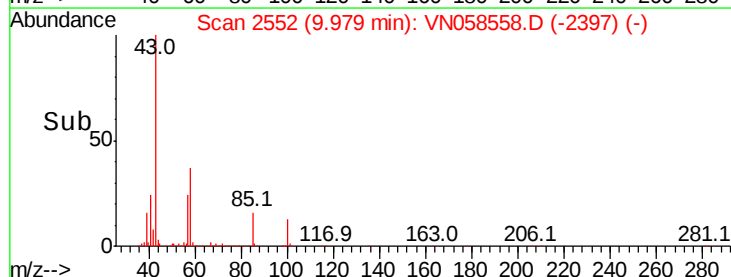
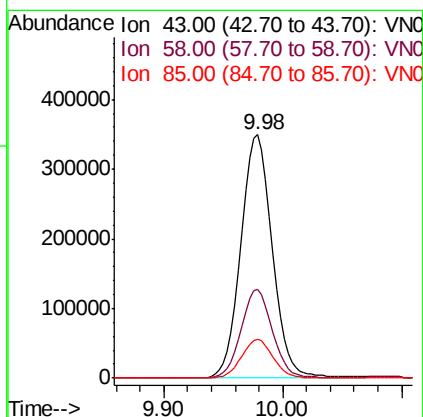
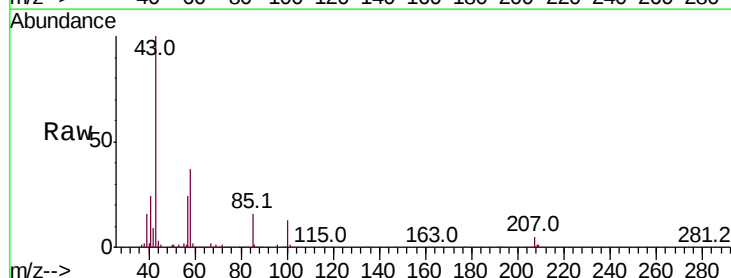
Instrument :
MSVOA_N
ClientSampled :

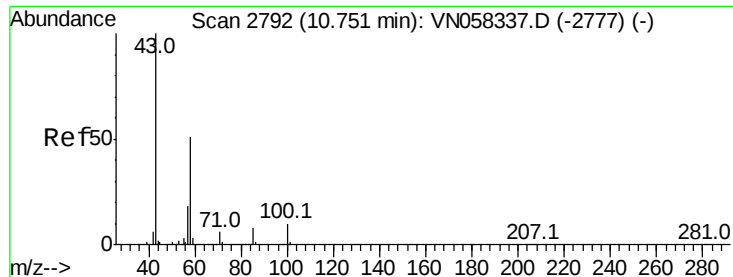
Tot Ion:117 Resp: 385715
Ion Ratio Lower Upper
117 100
82 58.6 46.4 69.6
119 31.9 25.1 37.7



#58
4-Methyl-2-Pentanone
Concen: 105.699 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 43 Resp: 638813
Ion Ratio Lower Upper
43 100
58 36.6 29.3 43.9
85 16.1 13.1 19.7

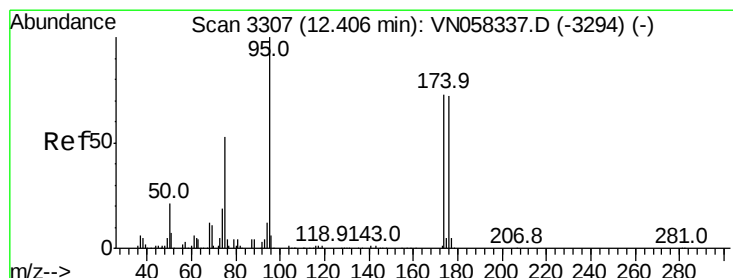
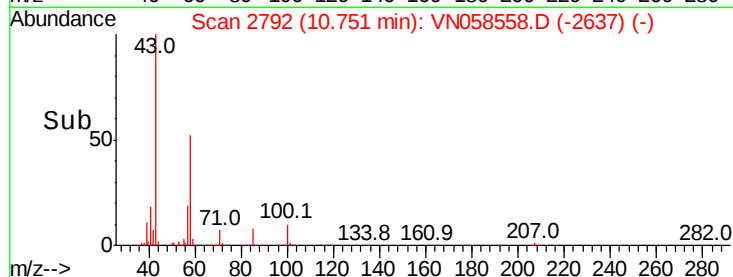
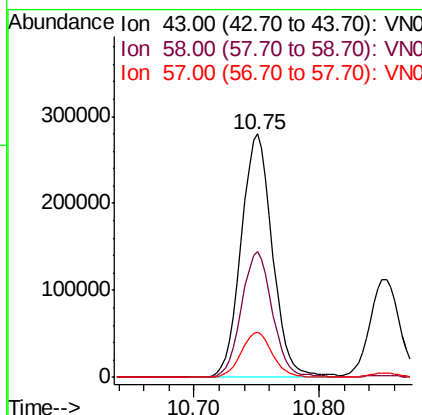
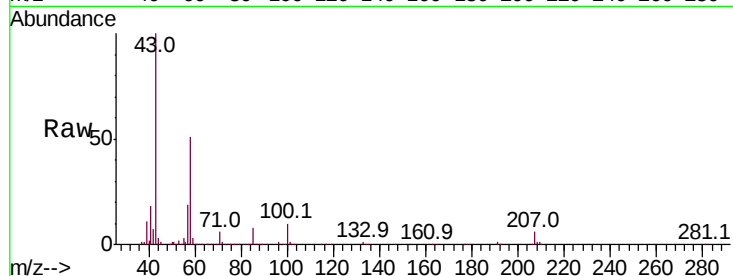




#59
2-Hexanone
Concen: 105.995 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

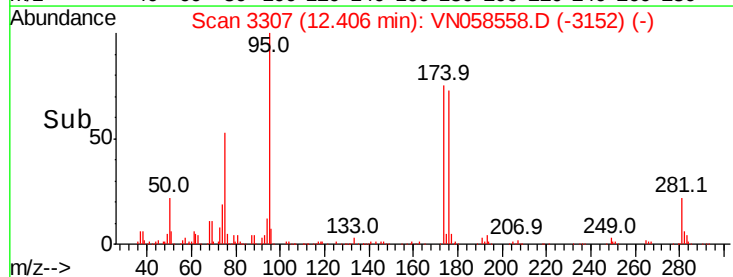
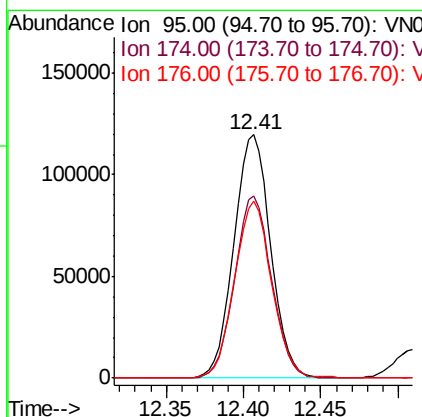
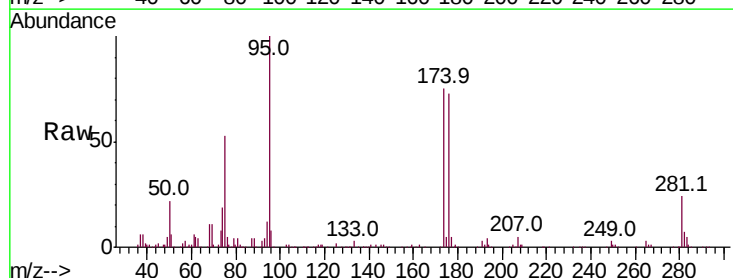
Instrument :
MSVOA_N
ClientSampleId :

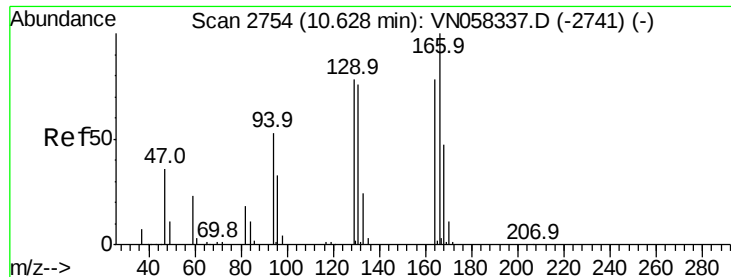
Tot Ion	Ratio	Lower	Upper
43	100		
58	51.5	40.7	61.1
57	18.6	14.7	22.1



#60
4-Bromofluorobenzene
Concen: 29.538 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.2	59.0	88.6
176	72.8	58.2	87.2





#61

Tetrachloroethene

Concen: 21.646 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 87471

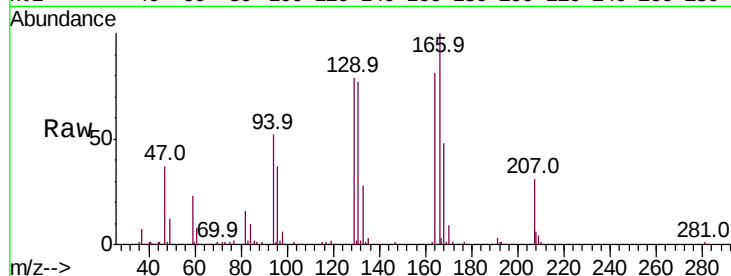
Ion Ratio Lower Upper

164 100

166 123.6 102.6 154.0

129 97.5 79.8 119.6

131 94.7 78.1 117.1



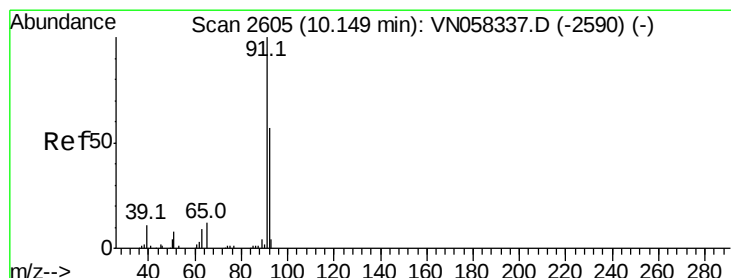
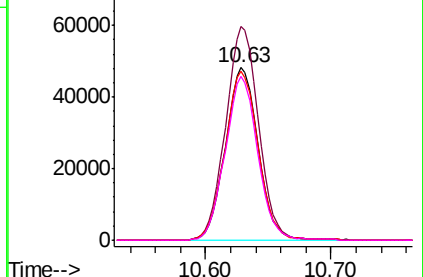
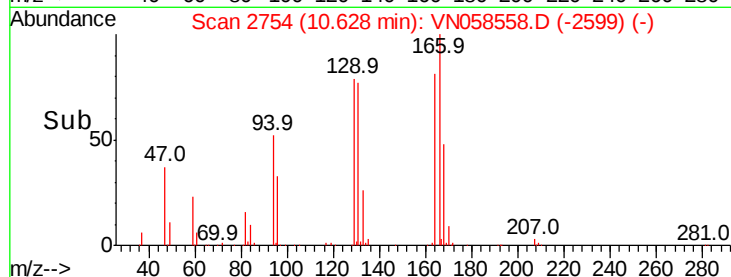
Abundance Ion 163.85 (163.55 to 164.55): V

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

Time-->



#62

Toluene

Concen: 20.641 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058558.D

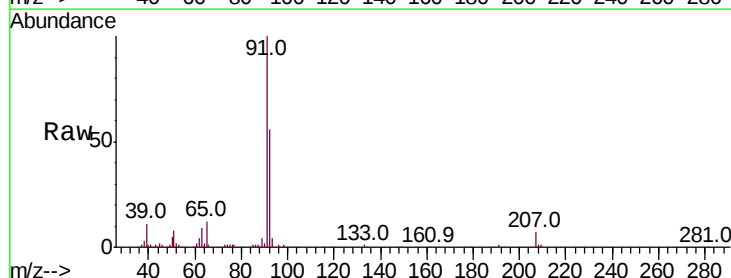
Acq: 7 Oct 2019 11:26

Tgt Ion: 91 Resp: 436042

Ion Ratio Lower Upper

91 100

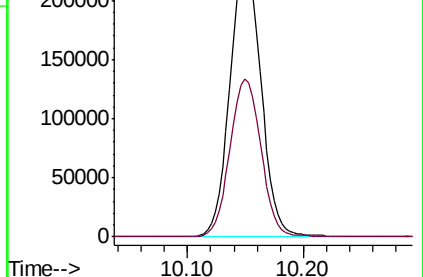
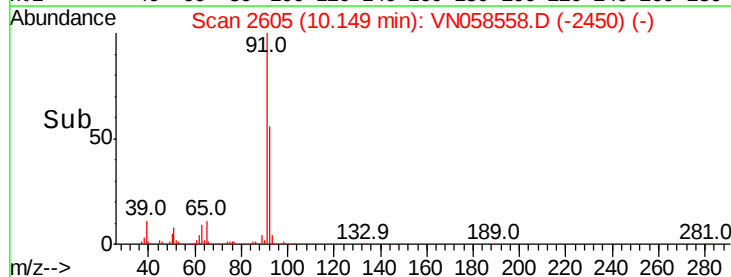
92 57.1 45.5 68.3

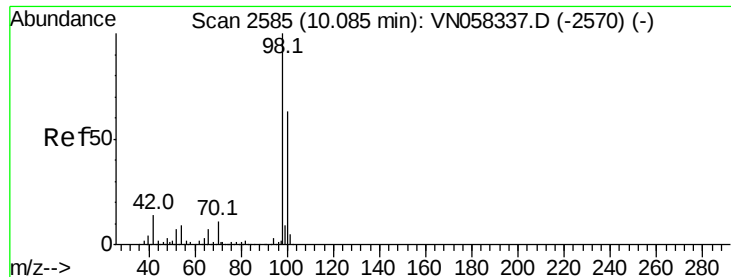


Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO

Time-->





#63

Toluene-d8

Concen: 29.998 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

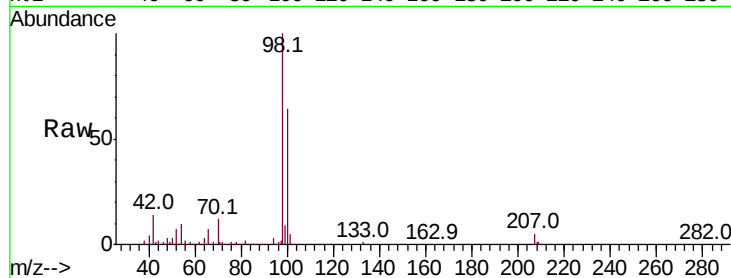
ClientSampleId :

Tot Ion: 98 Resp: 552191

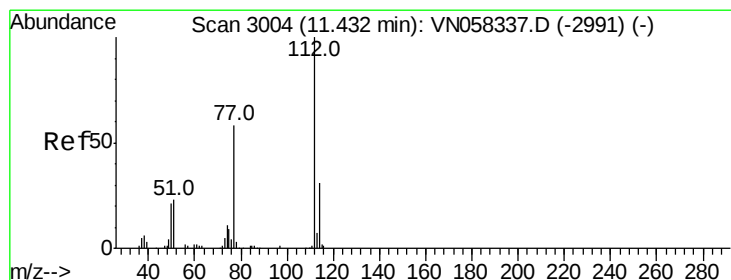
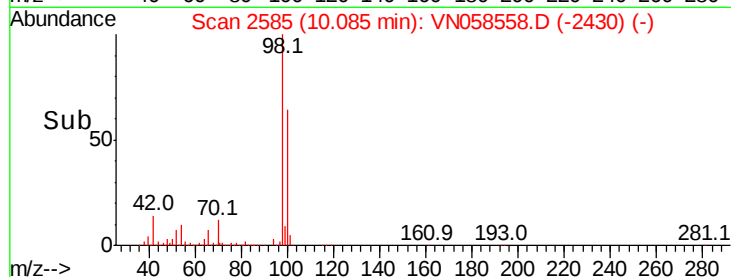
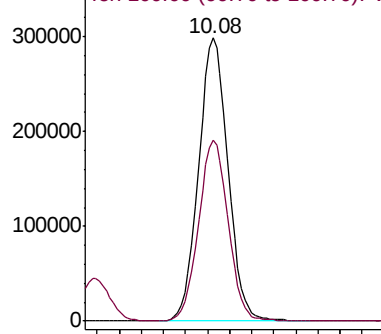
Ion Ratio Lower Upper

98 100

100 64.4 50.2 75.2



Abundance Ion 98.00 (97.70 to 98.70): VN058337.D (-2570) (-)



#64

Chlorobenzene

Concen: 19.905 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058558.D

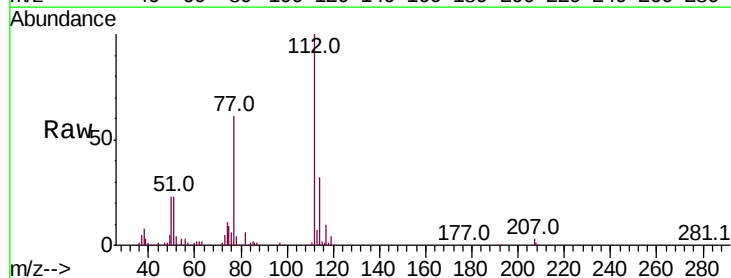
Acq: 7 Oct 2019 11:26

Tgt Ion: 112 Resp: 258401

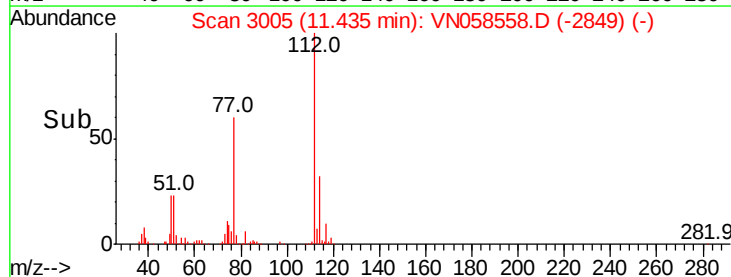
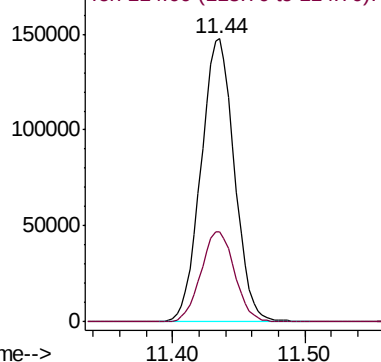
Ion Ratio Lower Upper

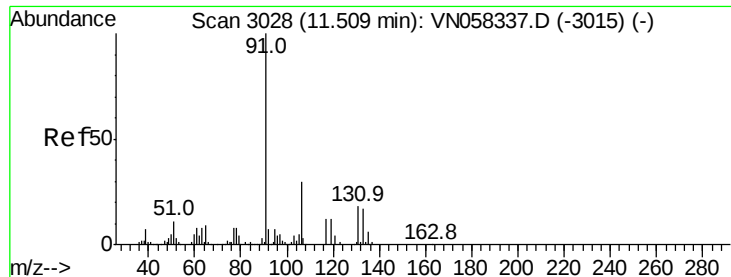
112 100

114 31.6 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): VN058337.D (-2991) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 21.360 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

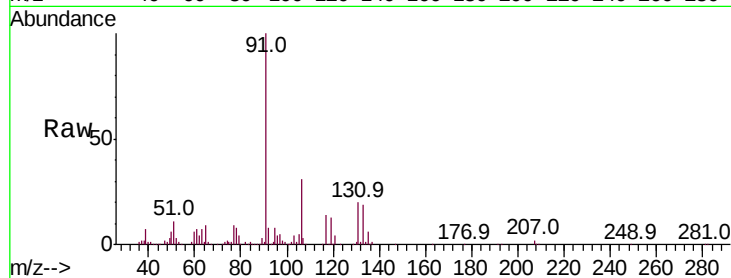
Tot Ion:131 Resp: 97205

Ion Ratio Lower Upper

131 100

133 96.4 0.0 191.8

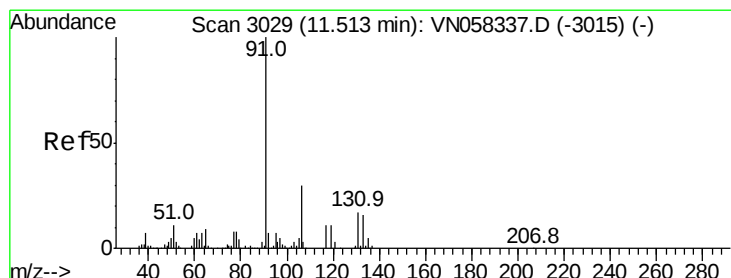
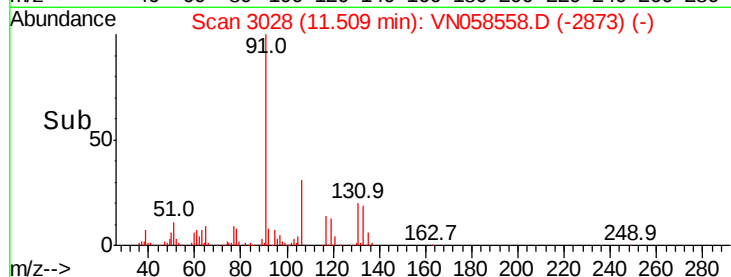
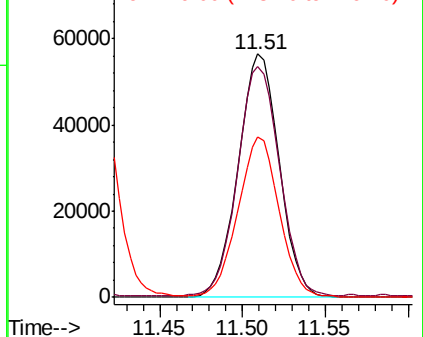
119 65.5 0.0 134.2



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: 21.081 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058558.D

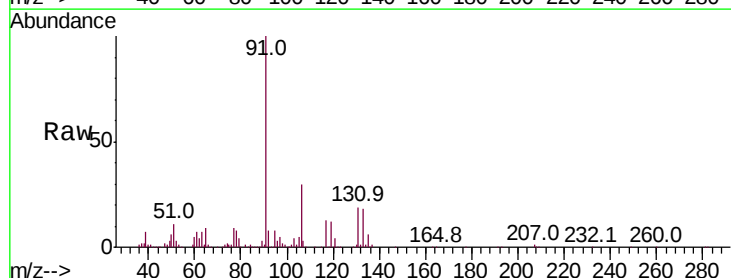
Acq: 7 Oct 2019 11:26

Tgt Ion: 91 Resp: 485602

Ion Ratio Lower Upper

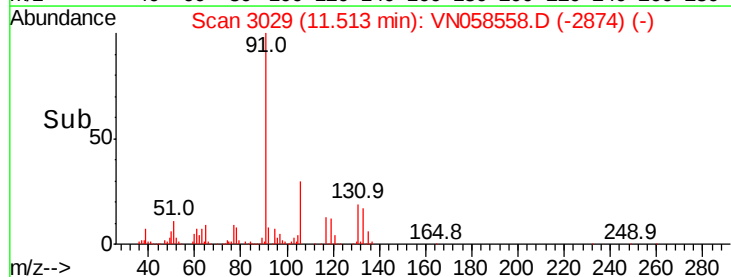
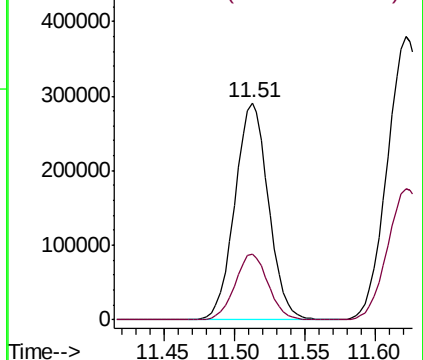
91 100

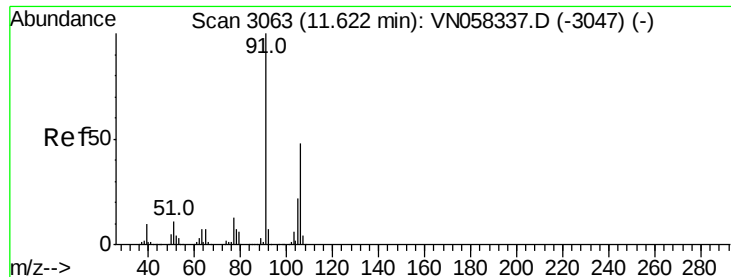
106 30.2 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

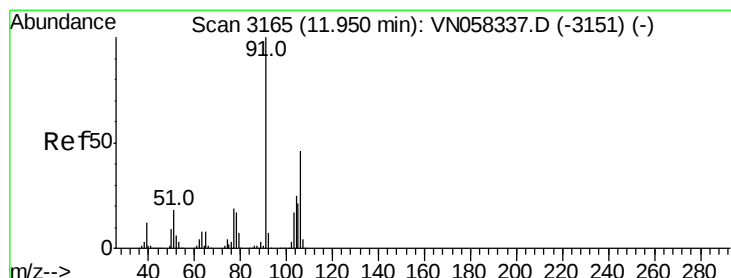
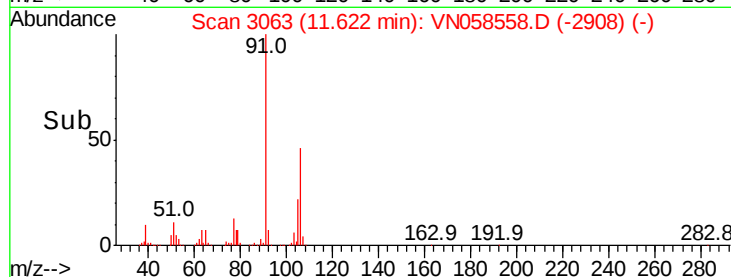
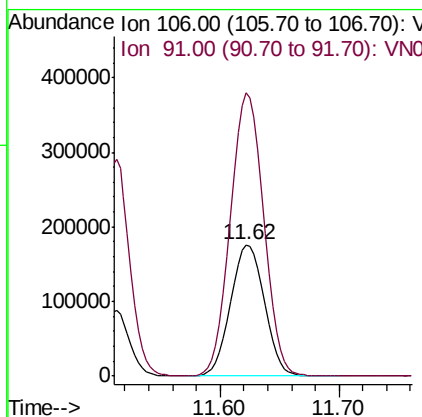
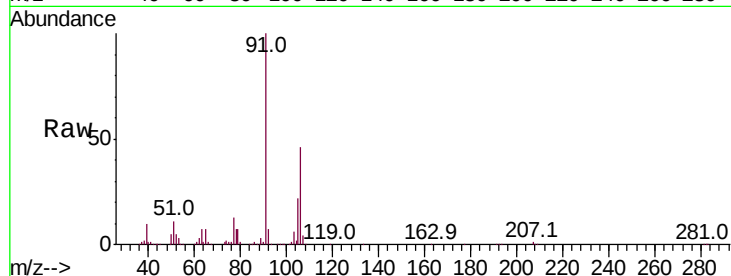




#67
m/p-Xylenes
Concen: 39.325 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

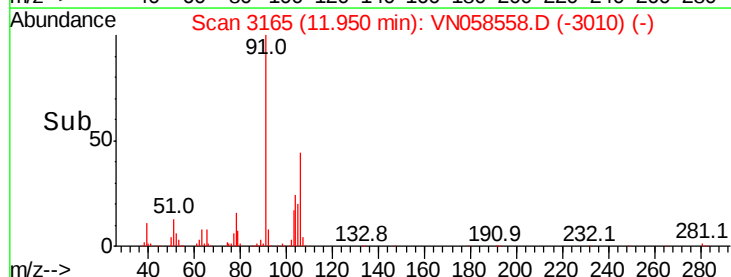
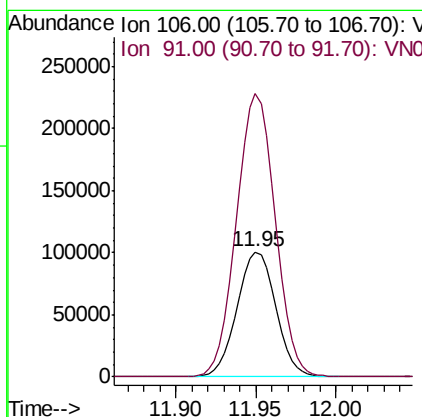
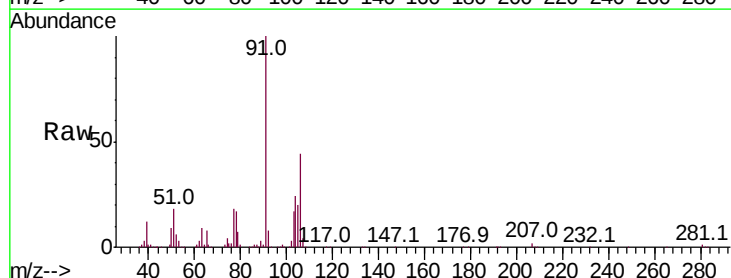
Instrument :
MSVOA_N
ClientSampleId :

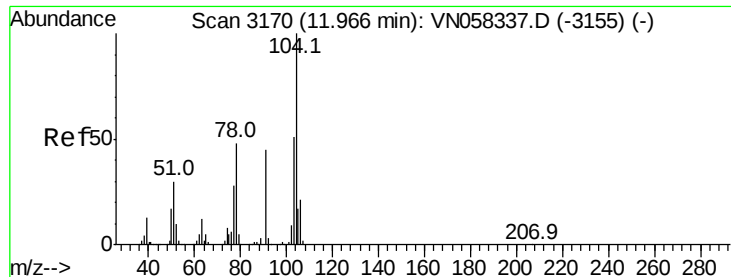
Tot Ion:106 Resp: 347768
Ion Ratio Lower Upper
106 100
91 211.8 167.8 251.6



#68
o-Xylene
Concen: 19.276 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion:106 Resp: 165760
Ion Ratio Lower Upper
106 100
91 227.1 108.7 325.9

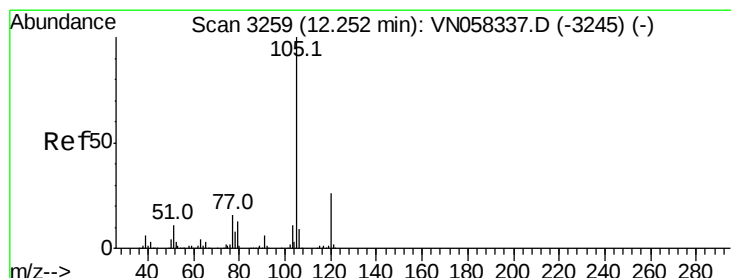
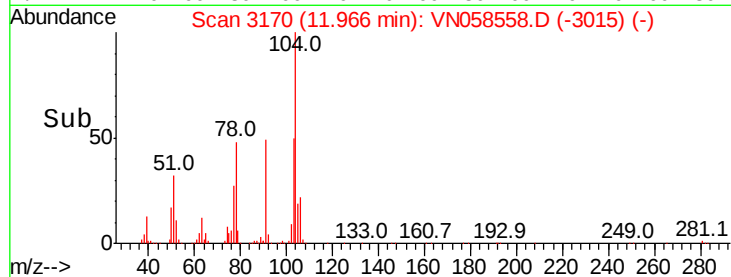
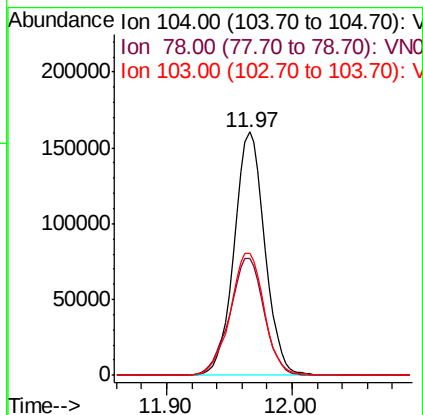
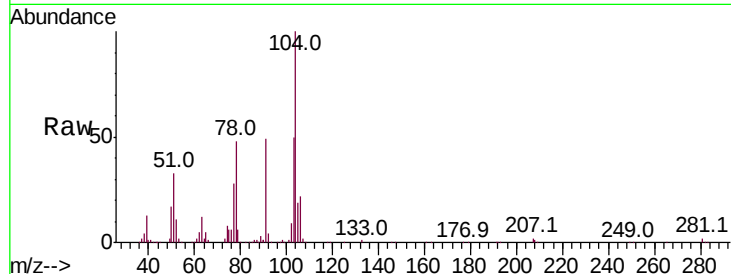




#69
Stvrene
Concen: 18.950 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

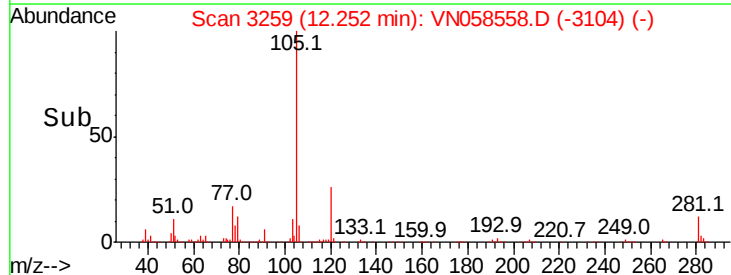
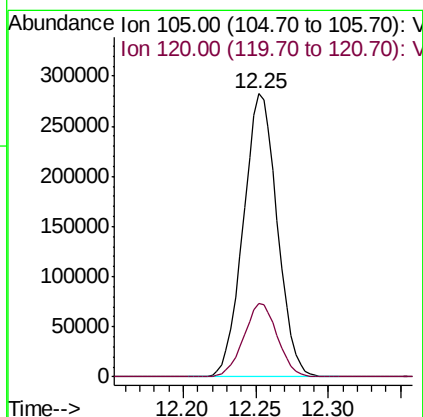
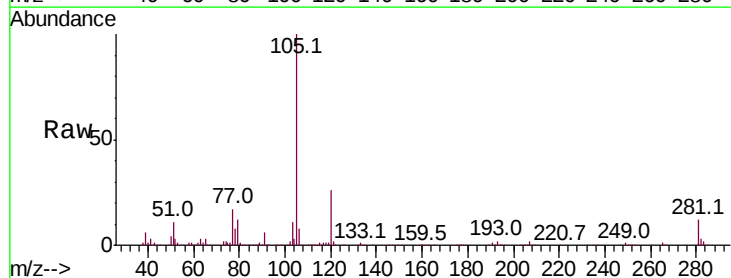
Instrument :
MSVOA_N
ClientSampleId :

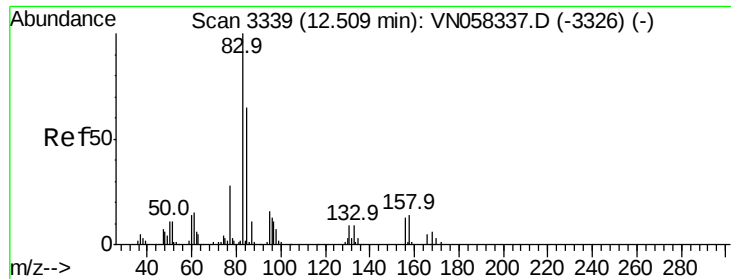
Tot Ion	Ratio	Lower	Upper
104	100		
78	54.0	42.3	63.5
103	55.1	44.1	66.1



#70
Isopropylbenzene
Concen: 20.594 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.2	33.8

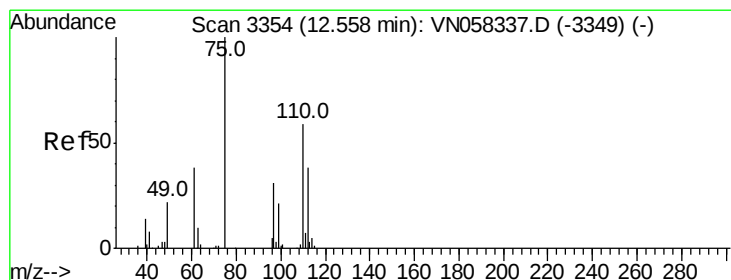
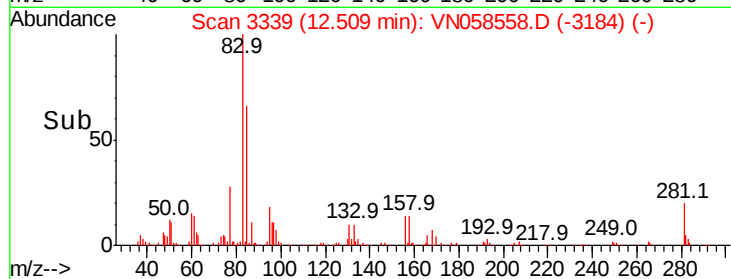
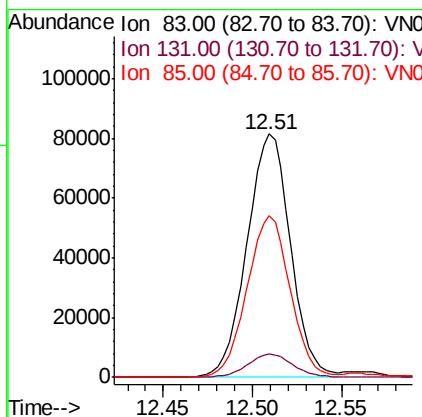
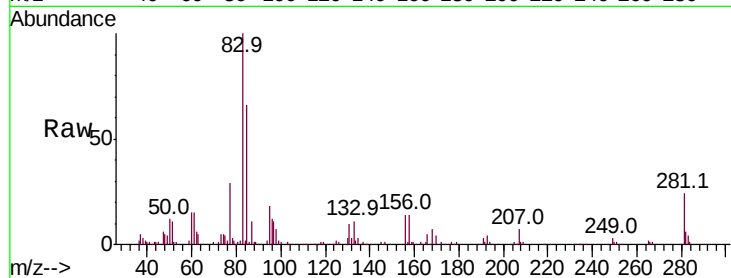




#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.491 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

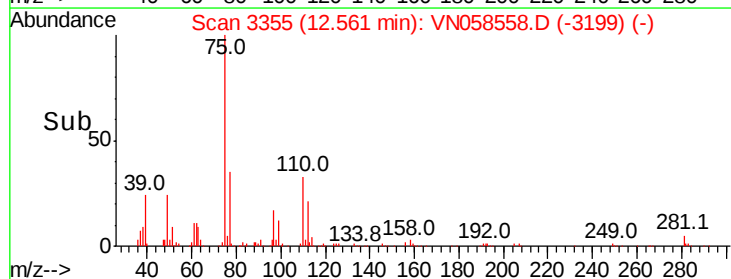
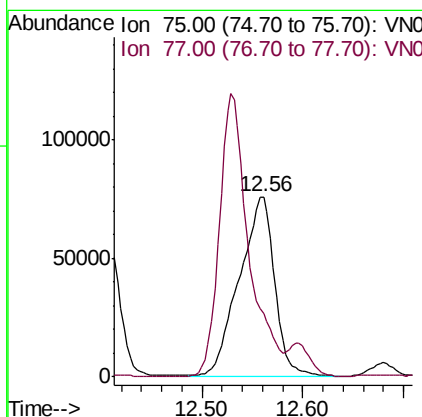
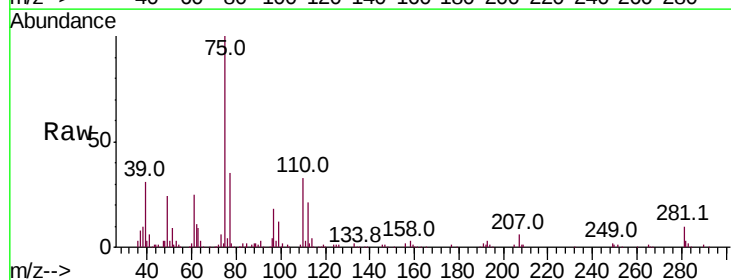
Instrument :
 MSVOA_N
 ClientSampled :

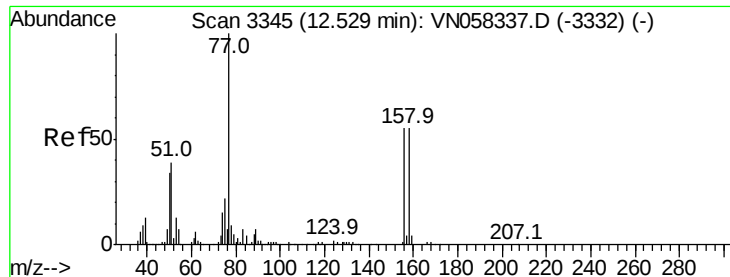
Tot Ion	83	Resp	138046
Ion Ratio	100	Lower	Upper
83	100		
131	10.3	4.8	14.3
85	66.3	32.6	97.7



#72
 1,2,3-Trichloropropane
 Concen: 29.988 ug/l
 RT: 12.56 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	75	Resp	182659
Ion Ratio	100	Lower	Upper
75	100		
77	132.8	0.0	382.4





#73

Bromobenzene

Concen: 20.036 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

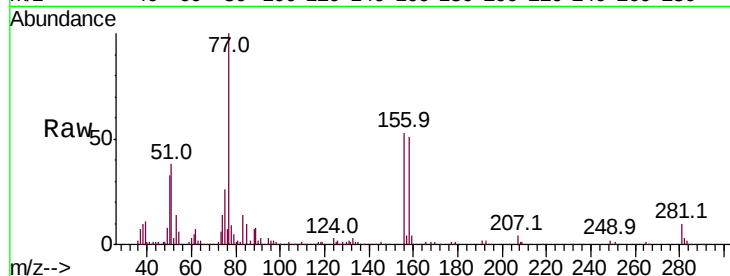
Tot Ion:156 Resp: 108148

Ion Ratio Lower Upper

156 100

77 224.2 0.0 438.8

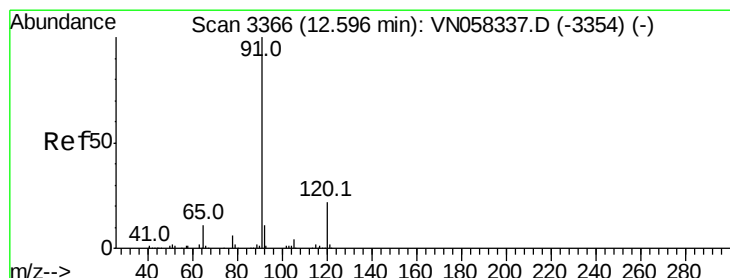
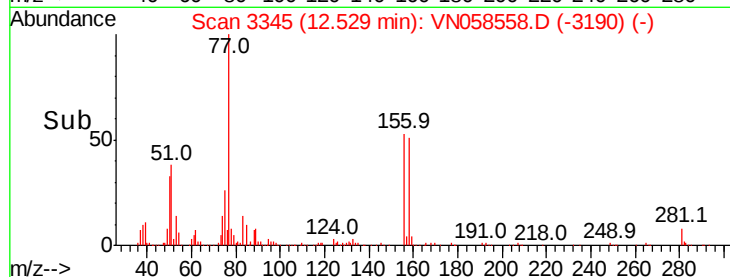
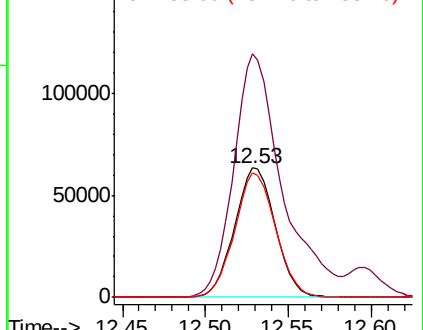
158 96.7 0.0 195.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 21.024 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN058558.D

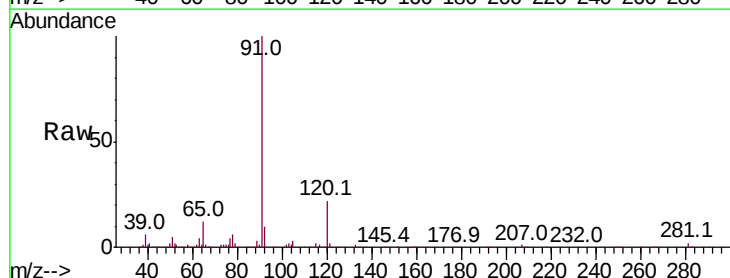
Acq: 7 Oct 2019 11:26

Tgt Ion: 91 Resp: 540117

Ion Ratio Lower Upper

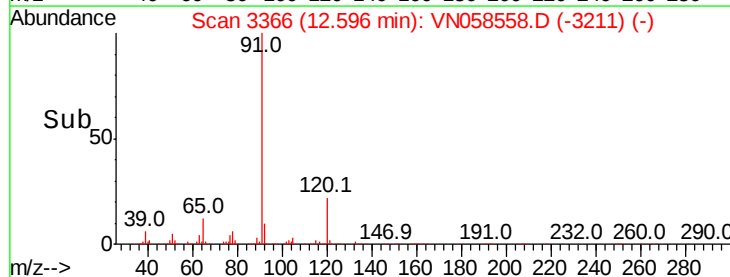
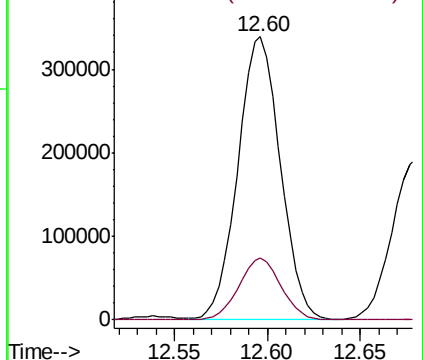
91 100

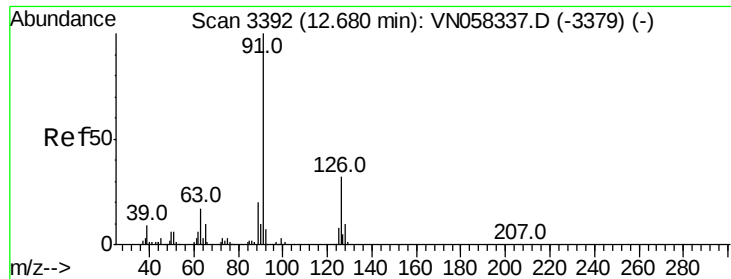
120 21.5 0.0 44.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.181 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

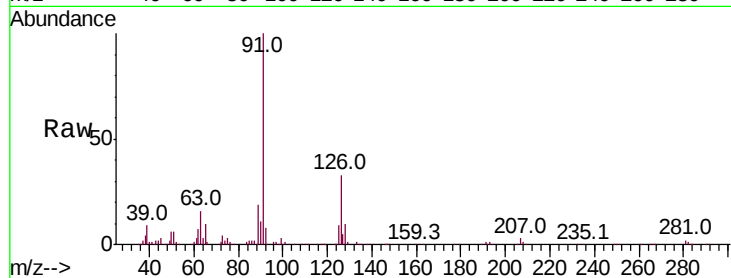
ClientSampleId :

Tot Ion: 91 Resp: 324305

Ion Ratio Lower Upper

91 100

126 32.8 0.0 65.0



Abundance Ion 91.00 (90.70 to 91.70): VN058337.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN058337.D (-3379) (-)

300000

200000

100000

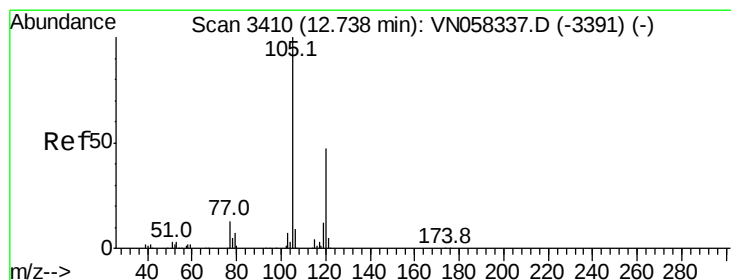
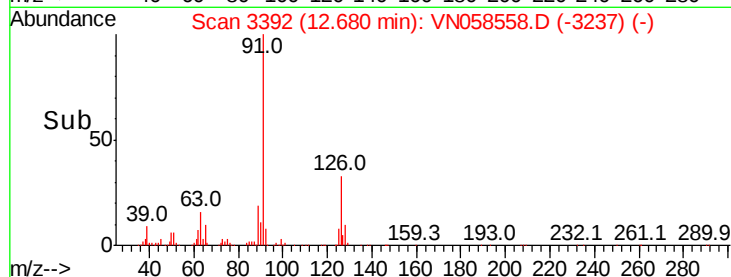
0

12.68

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.020 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058558.D

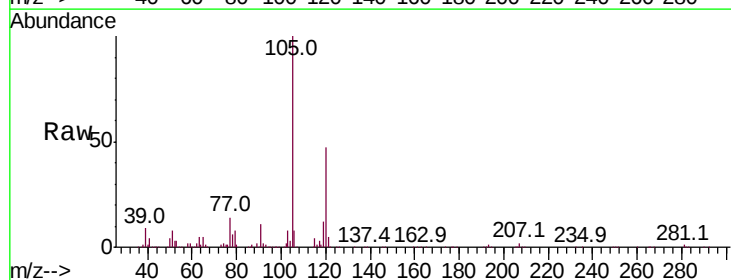
Acq: 7 Oct 2019 11:26

Tgt Ion:105 Resp: 384142

Ion Ratio Lower Upper

105 100

120 47.6 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN058337.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN058337.D (-3391) (-)

250000

200000

150000

100000

50000

0

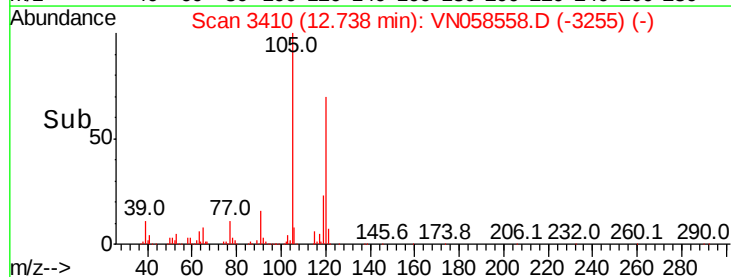
12.74

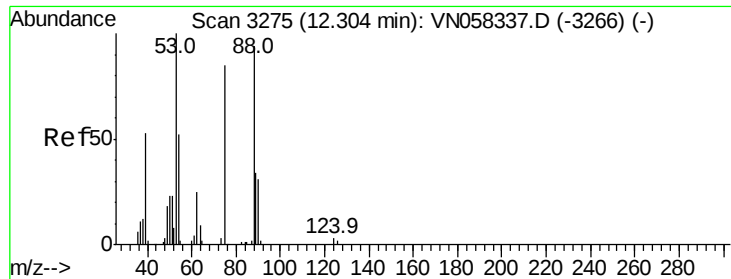
12.70

12.75

12.80

Time-->

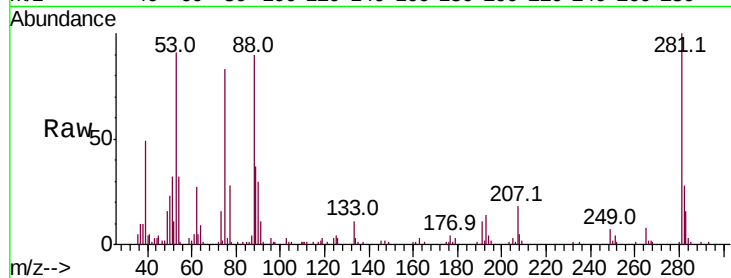




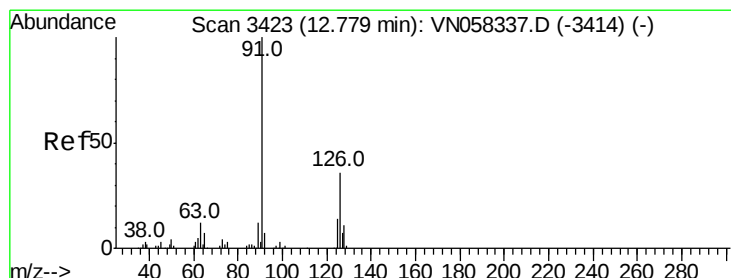
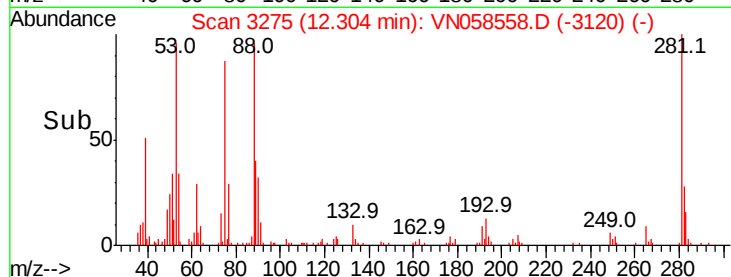
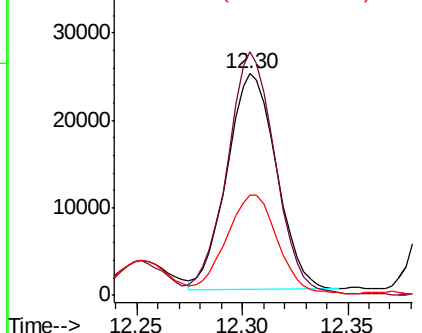
#77
t-1,4-Dichloro-2-butene
Concen: 20.237 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 40209
Ion Ratio Lower Upper
75 100
53 112.1 59.0 176.8
89 45.5 21.6 65.0

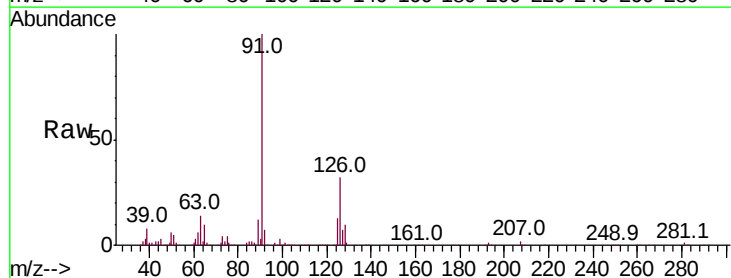


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

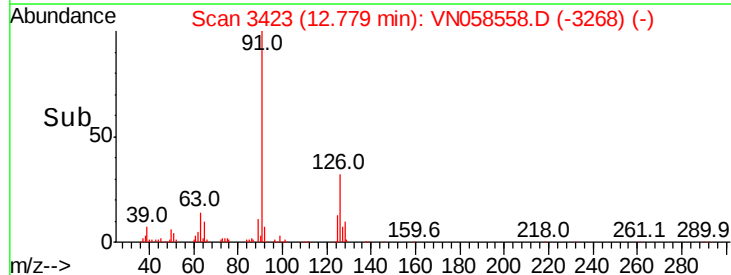
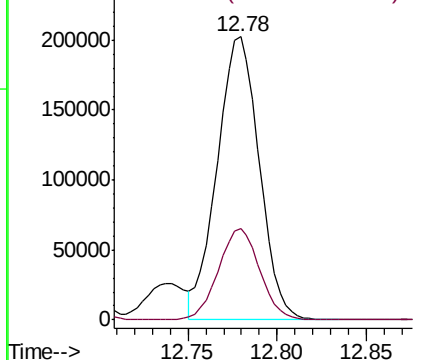


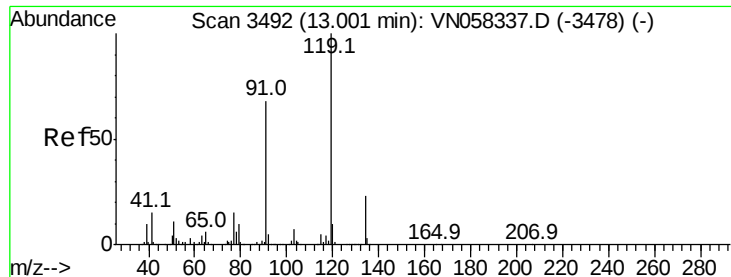
#78
4-Chlorotoluene
Concen: 20.140 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN058558.D
Acq: 7 Oct 2019 11:26

Tgt Ion: 91 Resp: 331714
Ion Ratio Lower Upper
91 100
126 31.6 0.0 63.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 19.197 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

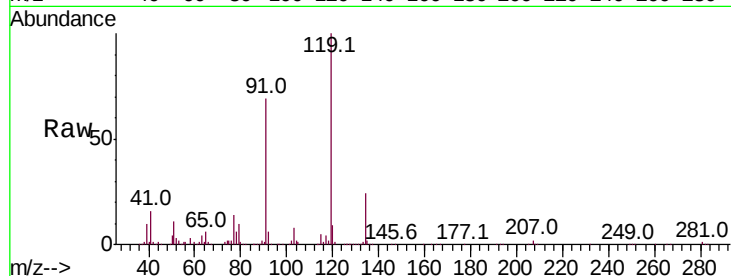
Tot Ion:119 Resp: 318917

Ion	Ratio	Lower	Upper
119	100		
91	69.2	0.0	138.2
134	23.3	0.0	46.8

119 100

91 69.2 0.0 138.2

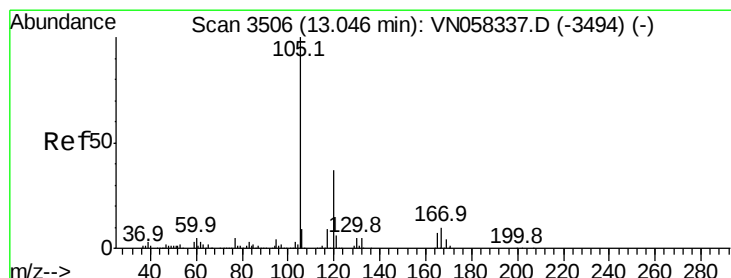
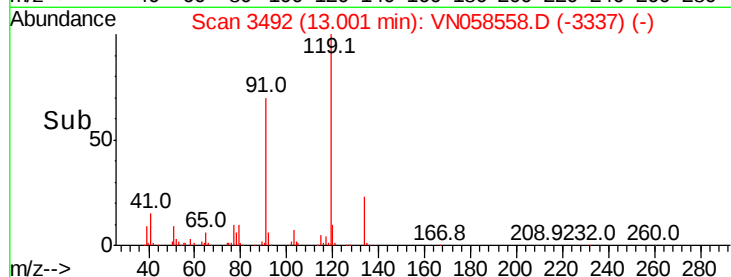
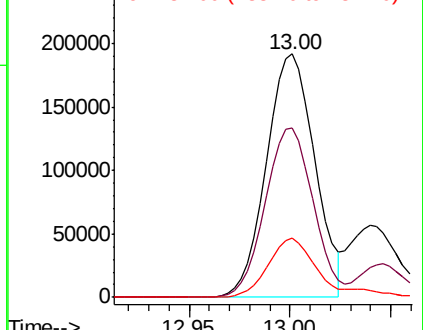
134 23.3 0.0 46.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 20.098 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN058558.D

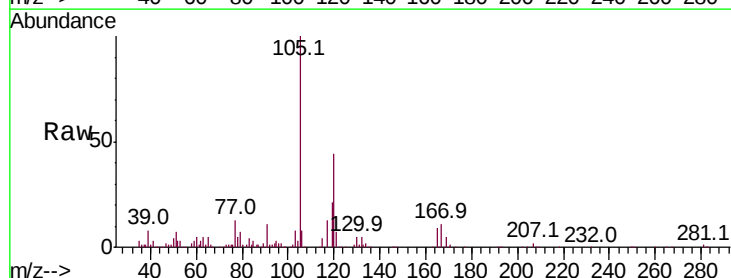
Acq: 7 Oct 2019 11:26

Tgt Ion:105 Resp: 384940

Ion	Ratio	Lower	Upper
105	100		
120	44.5	0.0	86.6

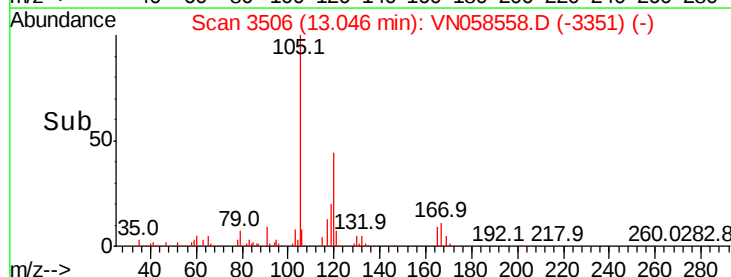
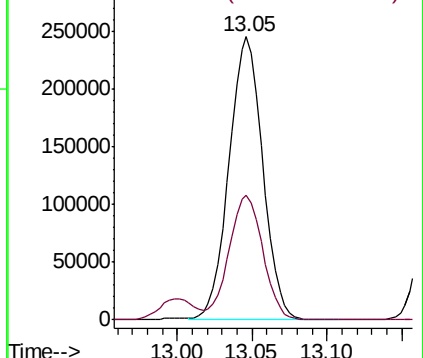
105 100

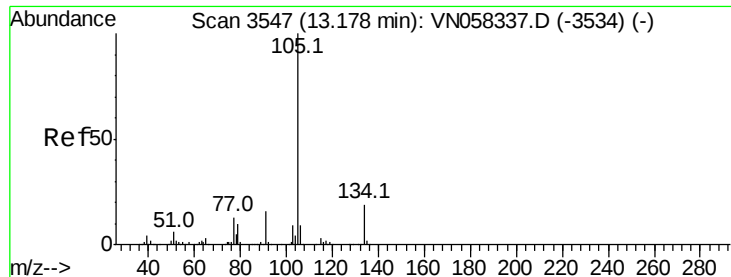
120 44.5 0.0 86.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 19.718 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

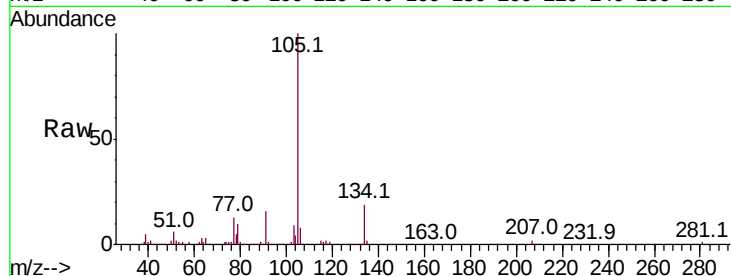
ClientSampleId :

Tot Ion:105 Resp: 429643

Ion Ratio Lower Upper

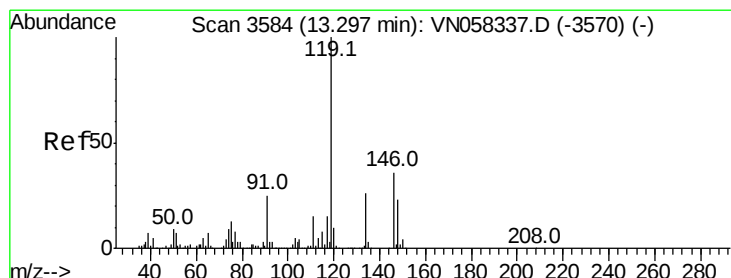
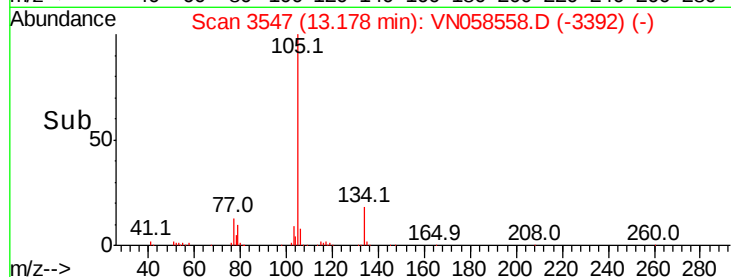
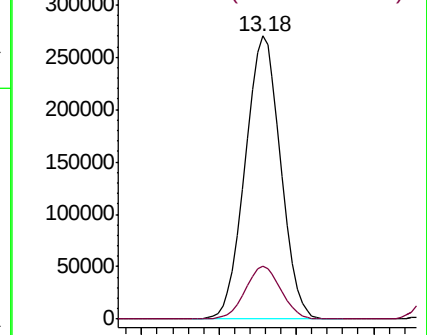
105 100

134 18.7 0.0 38.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 19.658 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

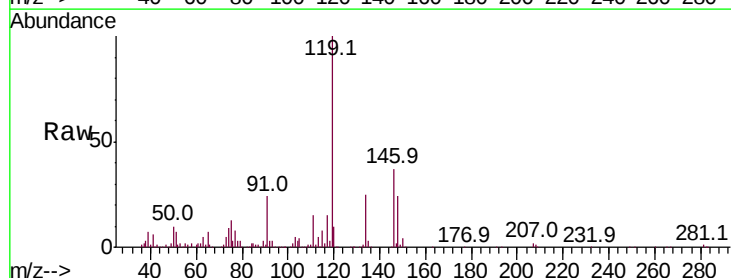
Tgt Ion:119 Resp: 385739

Ion Ratio Lower Upper

119 100

134 25.4 0.0 51.6

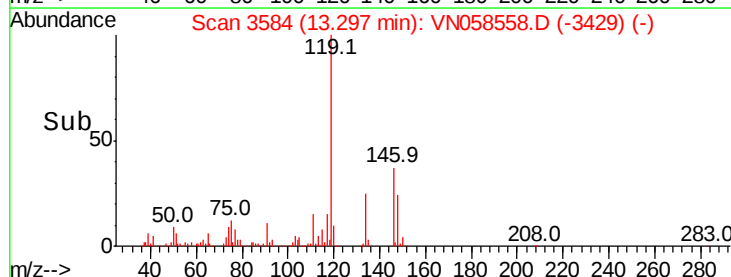
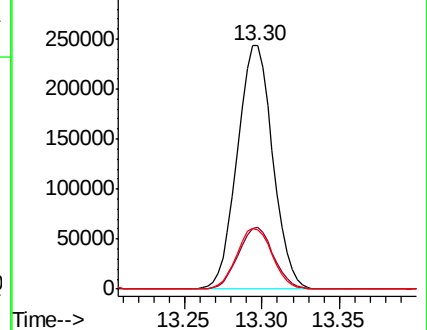
91 25.2 0.0 49.6

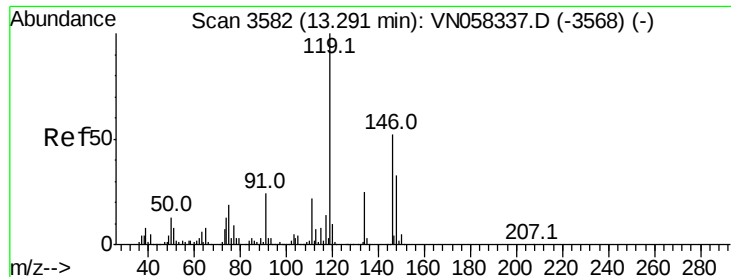


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

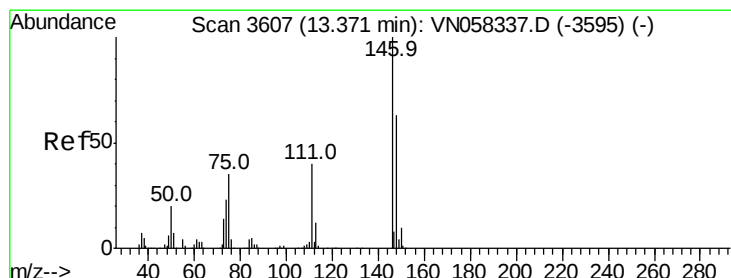
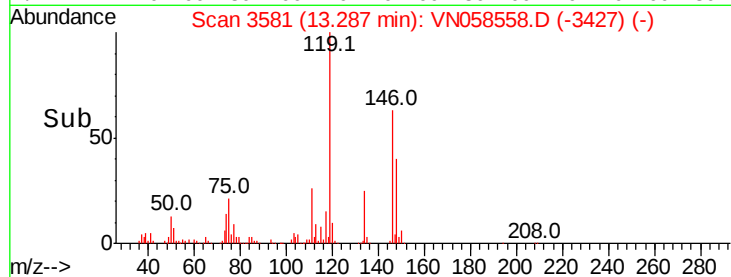
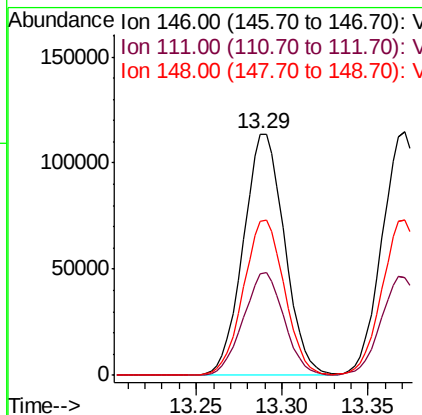
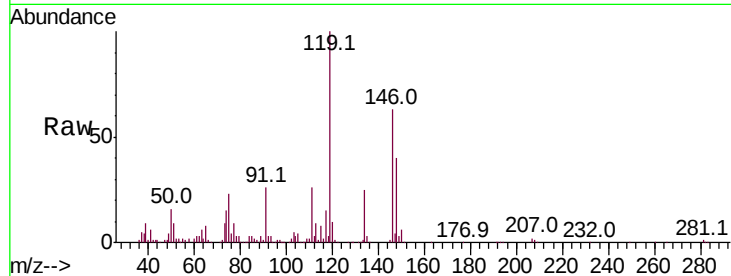




#83
 1,3-Dichlorobenzene
 Concen: 19.030 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

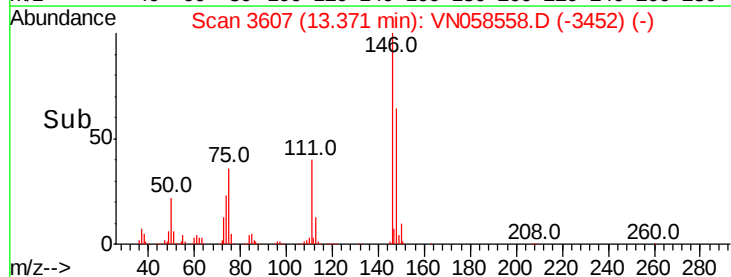
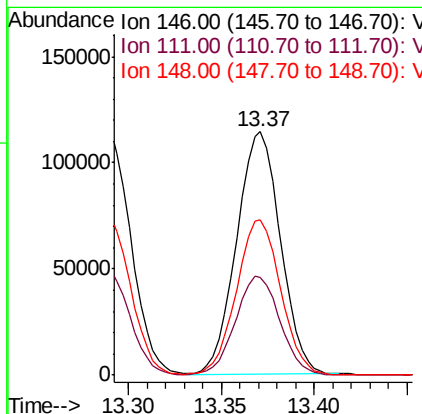
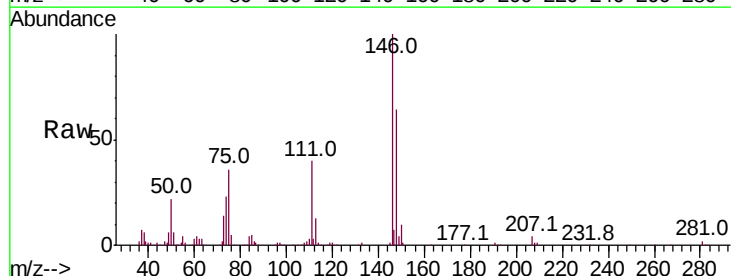
Instrument :
 MSVOA_N
 ClientSampled :

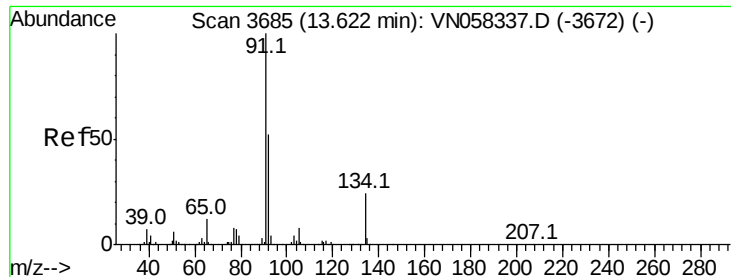
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.9	62.8
148	63.8	32.0	96.2



#84
 1,4-Dichlorobenzene
 Concen: 18.953 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.4	61.3
148	64.2	31.9	95.7





#85

n-Butylbenzene

Concen: 18.901 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

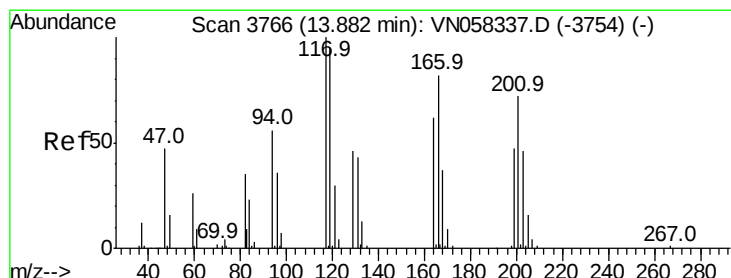
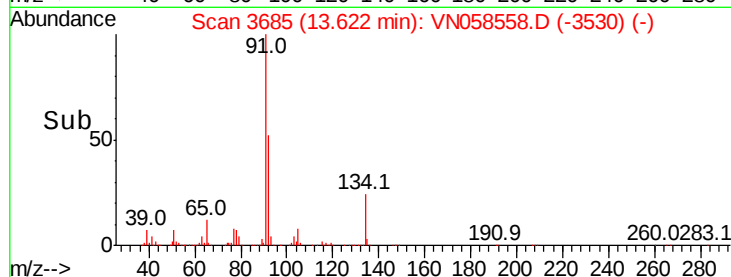
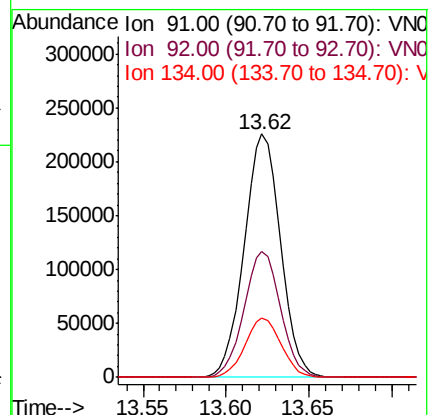
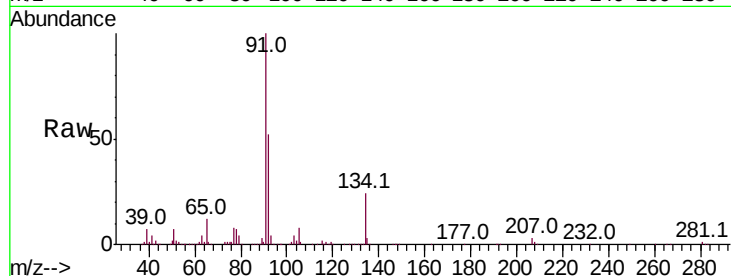
Tot Ion: 91 Resp: 344590

Ion Ratio Lower Upper

91 100

92 51.8 0.0 102.6

134 24.3 0.0 47.8



#86

Hexachloroethane

Concen: 20.207 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. -0.00 min

Lab File: VN058558.D

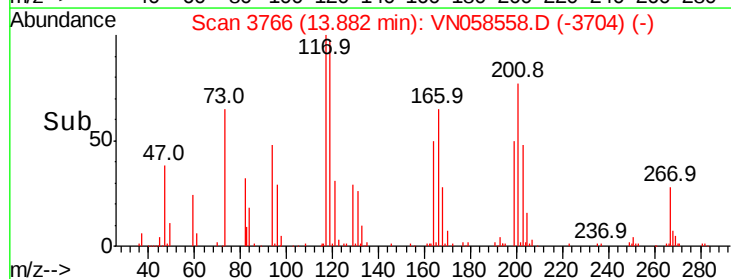
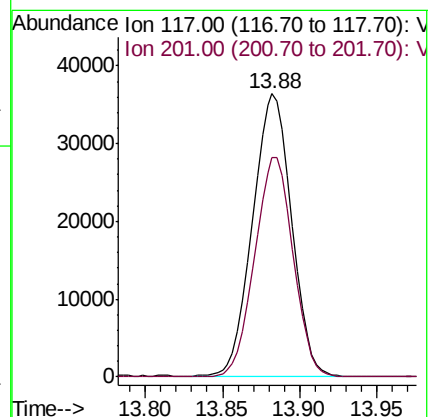
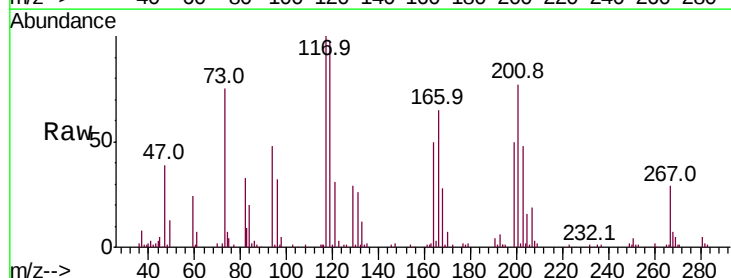
Acq: 7 Oct 2019 11:26

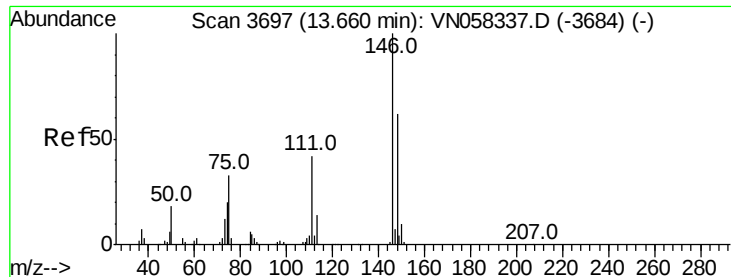
Tgt Ion: 117 Resp: 64044

Ion Ratio Lower Upper

117 100

201 76.3 37.2 111.6





#87

1,2-Dichlorobenzene

Concen: 19.486 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampleId :

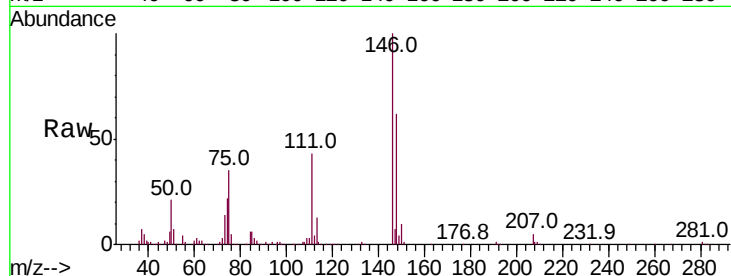
Tot Ion:146 Resp: 189478

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.3

148 62.9 31.9 95.7

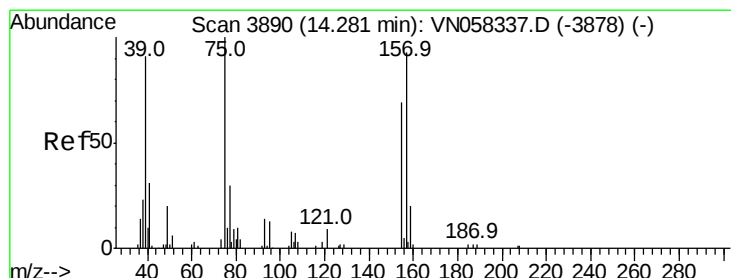
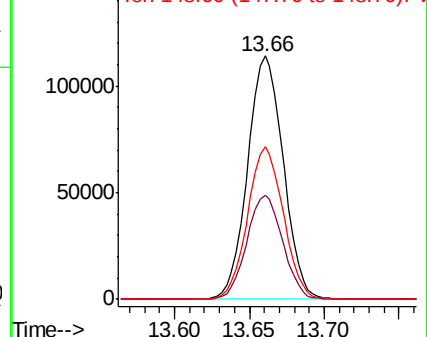
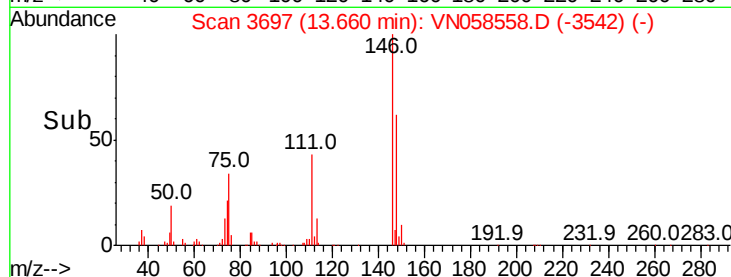


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 19.546 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

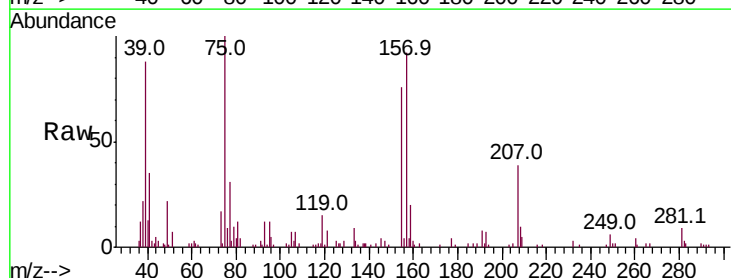
Tgt Ion: 75 Resp: 27019

Ion Ratio Lower Upper

75 100

155 78.2 58.5 87.7

157 97.2 75.4 113.2

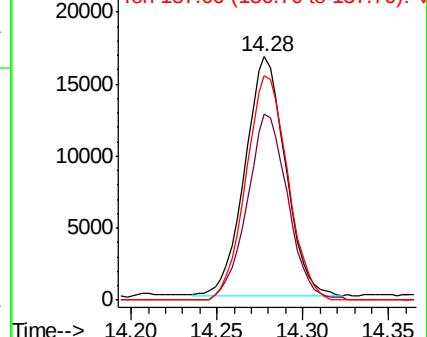
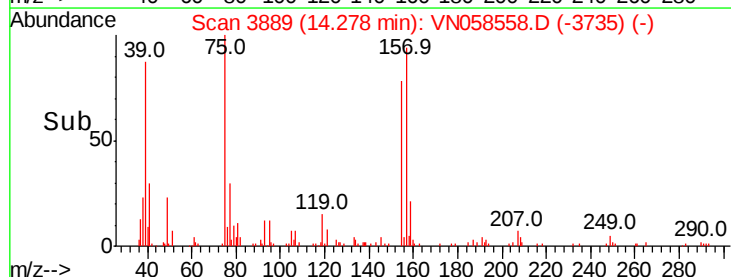


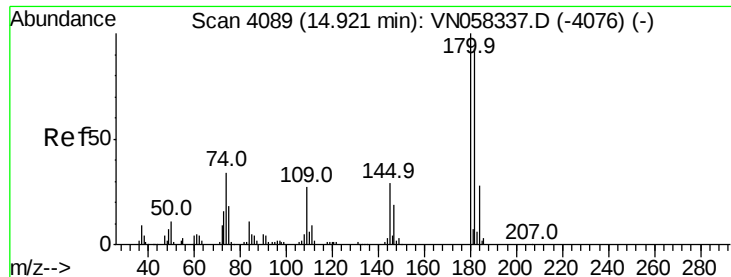
Abundance

Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

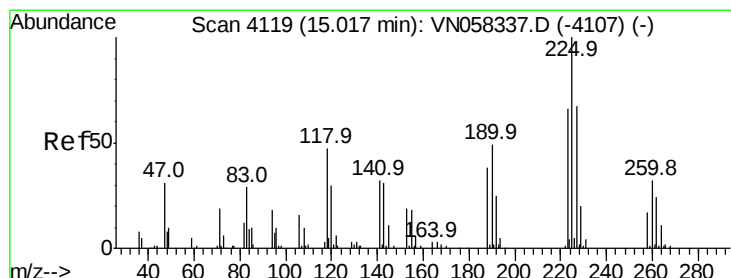
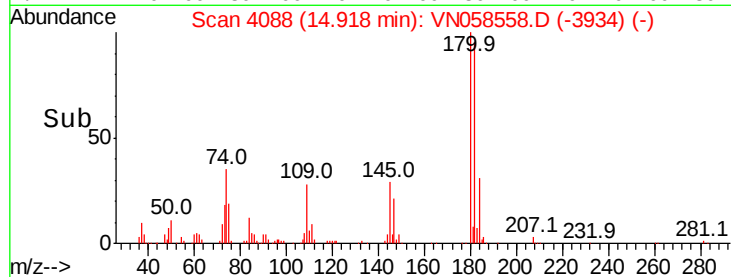
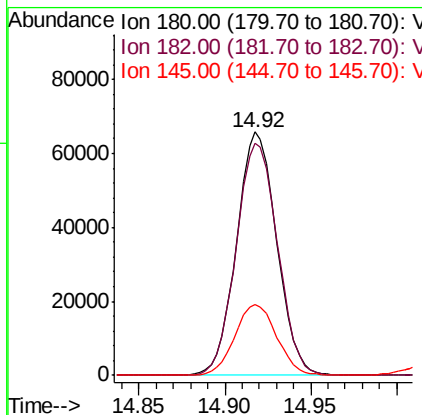
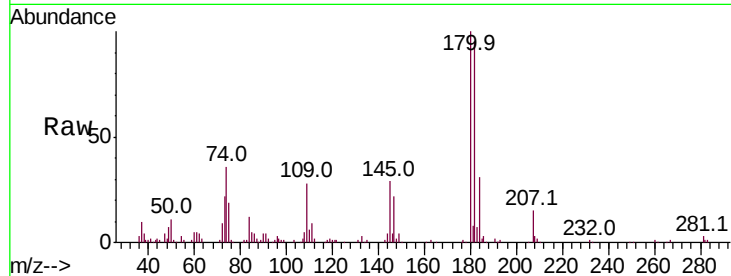




#89
 1,2,4-Trichlorobenzene
 Concen: 16.766 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

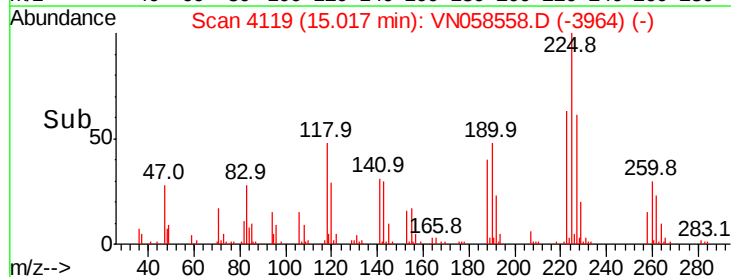
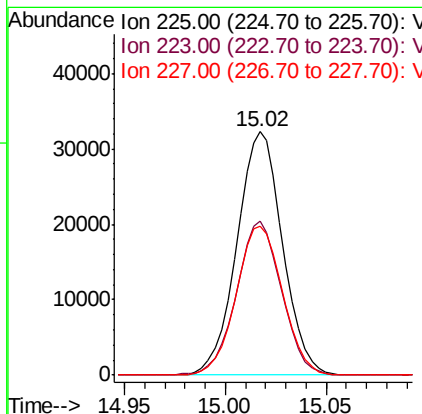
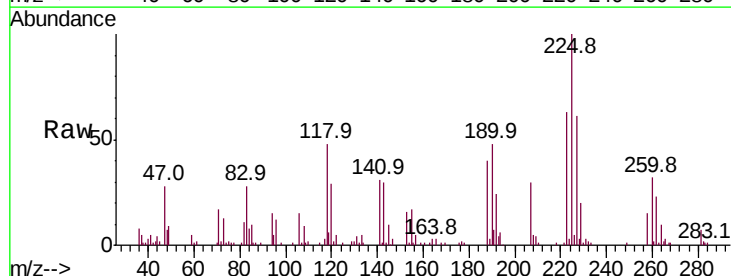
Instrument :
 MSVOA_N
 ClientSampleId :

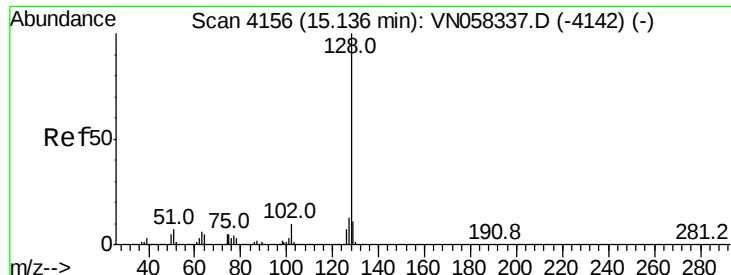
Tot Ion:180 Resp: 106511
 Ion Ratio Lower Upper
 180 100
 182 98.3 75.2 112.8
 145 30.3 25.1 37.7



#90
 Hexachlorobutadiene
 Concen: 16.623 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058558.D
 Acq: 7 Oct 2019 11:26

Tgt Ion:225 Resp: 51098
 Ion Ratio Lower Upper
 225 100
 223 62.5 0.0 132.6
 227 62.1 0.0 129.2





#91

Naphthalene

Concen: 17.296 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

Instrument :

MSVOA_N

ClientSampled :

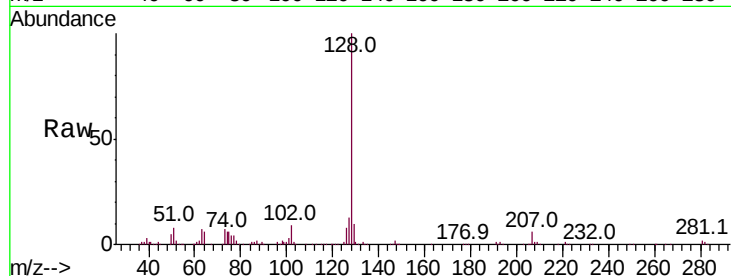
Tot Ion:128 Resp: 301750

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

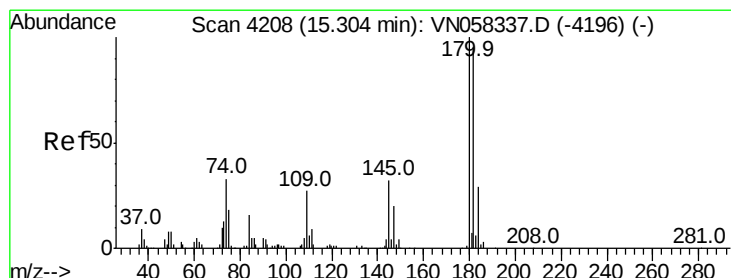
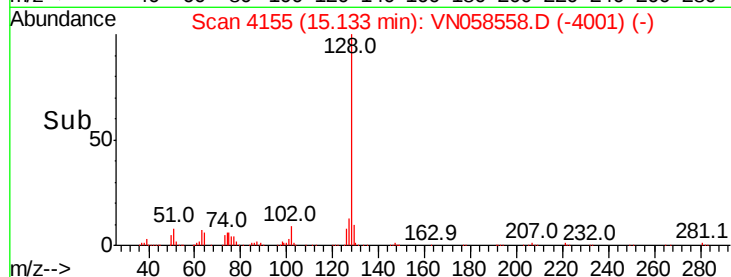
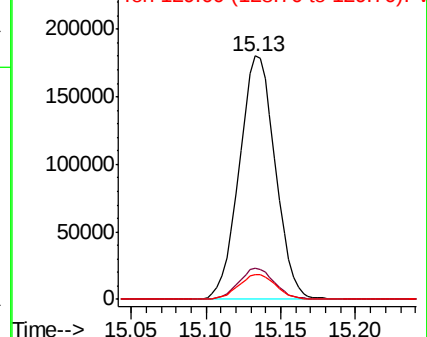
129 10.5 8.6 13.0



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: 16.564 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. -0.00 min

Lab File: VN058558.D

Acq: 7 Oct 2019 11:26

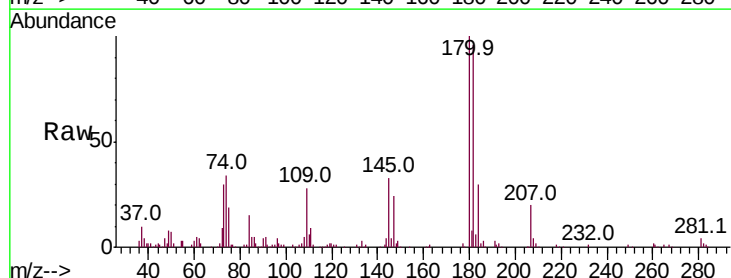
Tgt Ion:180 Resp: 101067

Ion Ratio Lower Upper

180 100

182 96.0 0.0 189.4

145 33.2 0.0 64.0



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

