

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
 Data File : VN057472.D
 Acq On : 23 Aug 2019 14:15
 Operator : JC/SP
 Sample : VN0823WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Quant Time: Aug 23 23:20:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 23 23:15:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	67656	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	391267	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	329472	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	197026	30.21	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.70%
60) 4-Bromofluorobenzene	12.40	95	152864	28.14	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.80%
63) Toluene-d8	10.08	98	509695	30.63	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.10%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	72958	20.613 ug/l	93
3) Chloromethane	2.05	50	103244	19.425 ug/l	99
4) Vinyl Chloride	2.17	62	128608	19.047 ug/l	99
5) Bromomethane	2.55	94	84077	19.248 ug/l	96
6) Chloroethane	2.69	64	82723	18.290 ug/l	97
7) Trichlorofluoromethane	3.00	101	204856	19.075 ug/l	92
8) Diethyl Ether	3.39	74	77025	18.669 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	114173	18.875 ug/l	99
10) 1,1-Dichloroethene	3.71	96	110153	18.863 ug/l	98
11) Methyl Iodide	3.92	142	81091	15.448 ug/l	97
12) Methyl Acetate	4.30	43	112713	19.160 ug/l	100
13) Acrolein	3.58	56	70161	93.779 ug/l	95
14) Acrylonitrile	4.97	53	192135	94.015 ug/l	99
15) Acetone	3.80	58	73361	76.735 ug/l	93
16) Carbon Disulfide	4.02	76	191567	18.417 ug/l	97
17) Allyl chloride	4.29	41	142961	17.945 ug/l	99
18) Methylene Chloride	4.53	84	78652	18.365 ug/l	94
19) trans-1,2-Dichloroethene	5.01	96	70937	17.590 ug/l	98
20) Diisopropyl ether	5.93	45	314567	18.495 ug/l	99
21) 1,1-Dichloroethane	5.82	63	164273	18.587 ug/l	98
22) cis-1,2-Dichloroethene	6.81	96	87356	17.809 ug/l	97
23) tert-Butyl Alcohol	4.79	59	65555	88.306 ug/l	# 100
24) Methyl tert-Butyl Ether	5.02	73	254631	18.873 ug/l	99
25) Chloroform	7.36	83	162383	18.506 ug/l	95
26) Cyclohexane	7.63	56	140644	17.871 ug/l	# 100
29) 1,1-Dichloropropene	7.77	75	118070	17.756 ug/l	96
30) 2-Butanone	6.82	43	274918	85.991 ug/l	98
31) 2,2-Dichloropropane	6.80	77	134218	17.666 ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	136922	18.012 ug/l	99
33) Carbon Tetrachloride	7.75	117	112453	17.815 ug/l	92
34) Benzene	8.03	78	347249	17.758 ug/l	98
35) Methacrylonitrile	7.16	41	59083	18.260 ug/l	92
36) 1,2-Dichloroethane	8.11	62	143042	18.660 ug/l	# 89
37) Trichloroethene	8.82	130	78538	17.604 ug/l	94
38) Methylcyclohexane	9.07	83	130417	17.473 ug/l	98
39) 1,2-Dichloropropane	9.11	63	102440	18.424 ug/l	96
40) Dibromomethane	9.20	93	62153	18.291 ug/l	97

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Quant Time: Aug 23 23:20:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

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

41) Bromodichloromethane	9.39	83	125662	17.436	ug/l #	94
42) Vinyl Acetate	5.87	43	1275631	89.160	ug/l	100
43) Ethyl Acetate	6.91	43	113893	18.302	ug/l	98
44) Isopropyl Acetate	8.16	43	216916	18.260	ug/l #	93
45) 1,4-Dioxane	9.20	88	23278	325.999	ug/l	97
46) Methyl methacrylate	9.19	41	102972	18.252	ug/l	97
47) n-amyl Acetate	12.07	43	172119	18.002	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	130614	17.156	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	144526	17.271	ug/l	94
50) 1,1,2-Trichloroethane	10.56	97	79205	17.776	ug/l	95
51) Ethyl methacrylate	10.43	69	133222	17.986	ug/l	96
52) 1,3-Dichloropropane	10.70	76	148763	18.312	ug/l	99
53) Dibromochloromethane	10.90	129	82208	17.306	ug/l	99
54) 1,2-Dibromoethane	11.00	107	79778	17.498	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	334899	183.421	ug/l	99
56) Bromoform	12.13	173	48238	17.015	ug/l #	94
58) 4-Methyl-2-Pentanone	9.98	43	617113	95.477	ug/l	99
59) 2-Hexanone	10.75	43	418150	93.336	ug/l	100
61) Tetrachloroethene	10.63	164	72792	19.265	ug/l	96
62) Toluene	10.15	91	363659	18.060	ug/l	99
64) Chlorobenzene	11.43	112	199472	18.221	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	76211	18.319	ug/l	98
66) Ethyl Benzene	11.51	91	384960	17.863	ug/l	99
67) m/p-Xylenes	11.62	106	260728	34.881	ug/l	96
68) o-Xylene	11.95	106	133501	18.073	ug/l	99
69) Styrene	11.96	104	203340	17.232	ug/l	99
70) Isopropylbenzene	12.25	105	354737	17.952	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	105199	18.409	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	137457	26.498	ug/l	58
73) Bromobenzene	12.53	156	70764	17.692	ug/l	99
74) n-propylbenzene	12.59	91	380781	16.899	ug/l	100
75) 2-Chlorotoluene	12.68	91	232737	17.538	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	285551	17.608	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	31964	17.182	ug/l	95
78) 4-Chlorotoluene	12.77	91	213329	17.013	ug/l	99
79) tert-butylbenzene	12.99	119	243020	17.611	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	269923	17.853	ug/l	99
81) sec-Butylbenzene	13.17	105	316356	17.397	ug/l	99
82) p-Isopropyltoluene	13.29	119	259568	16.978	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	105879	17.004	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	101056	16.683	ug/l	99
85) n-Butylbenzene	13.62	91	226231	16.974	ug/l	99
86) Hexachloroethane	13.88	117	52846	17.132	ug/l	94
87) 1,2-Dichlorobenzene	13.66	146	103338	16.899	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	16473	17.177	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	28457	12.420	ug/l	99
90) Hexachlorobutadiene	15.01	225	33714	19.138	ug/l	97
91) Naphthalene	15.13	128	94970	18.337	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	30831	13.455	ug/l	95

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Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Aug 23 23:15:31 2019
Response via : Initial Calibration

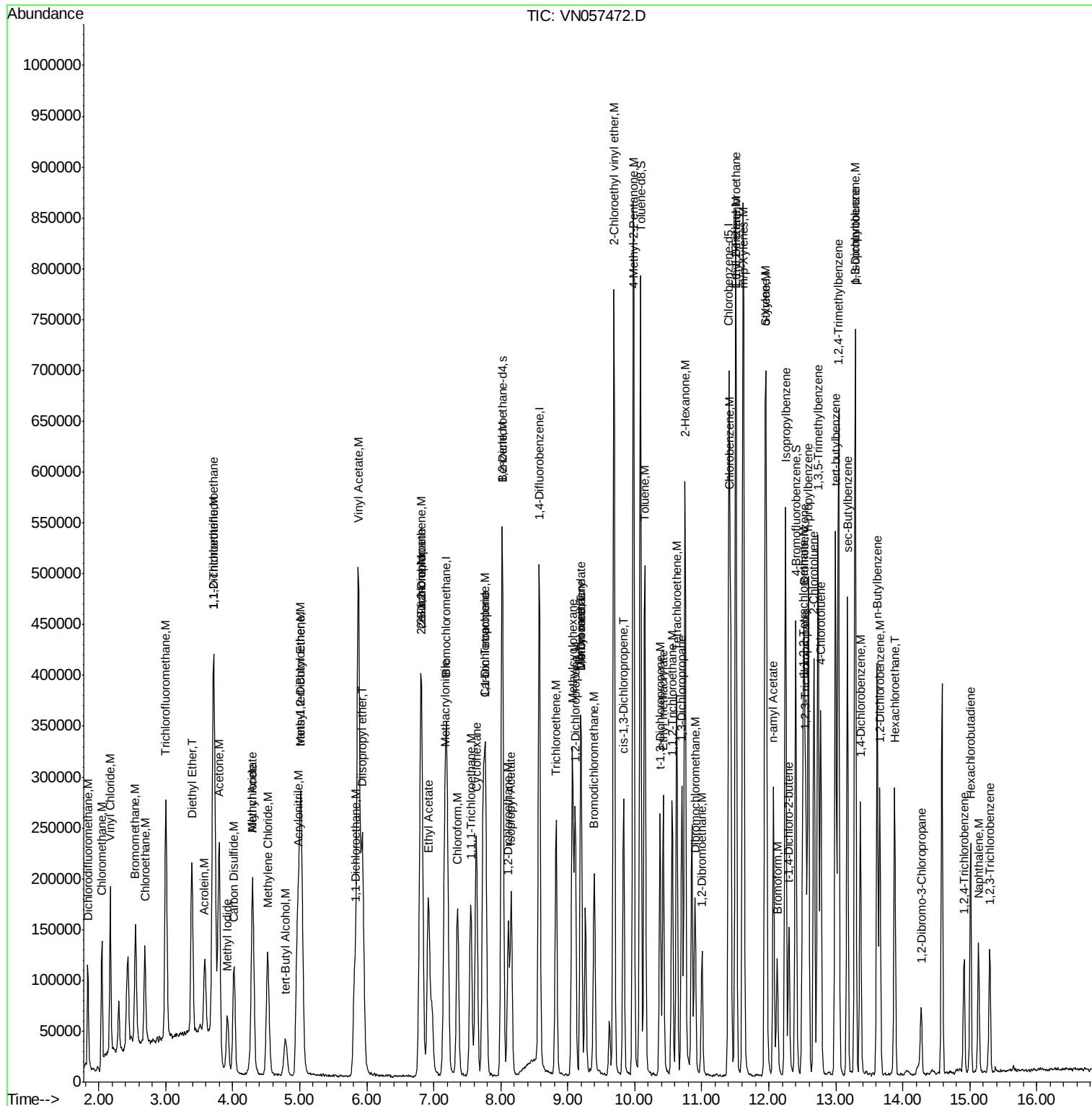
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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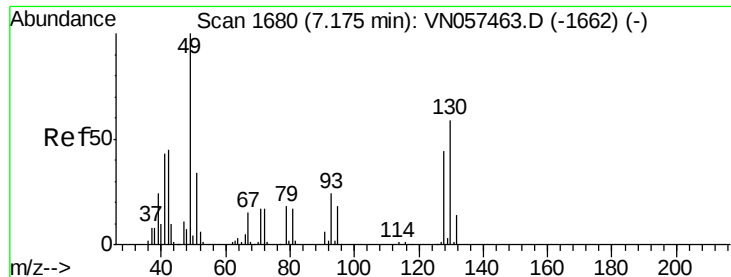
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082319\
Data File : VN057472.D
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Operator : JC/SP
Sample : VN0823WBSD01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Quant Time: Aug 23 23:20:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N082319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

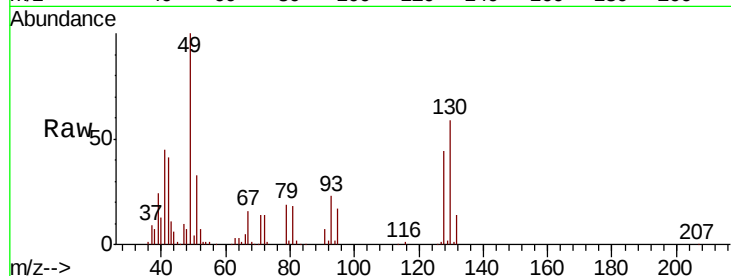
Tgt Ion:128 Resp: 67656

Ion Ratio Lower Upper

128 100

49 223.1 0.0 560.5

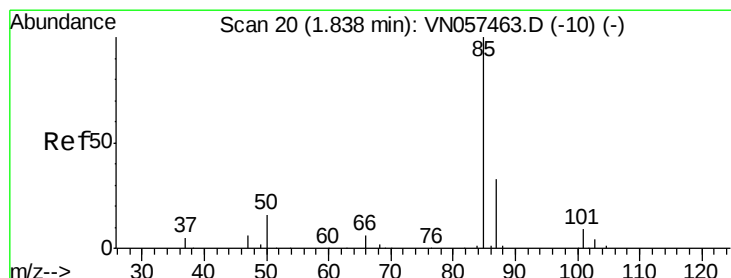
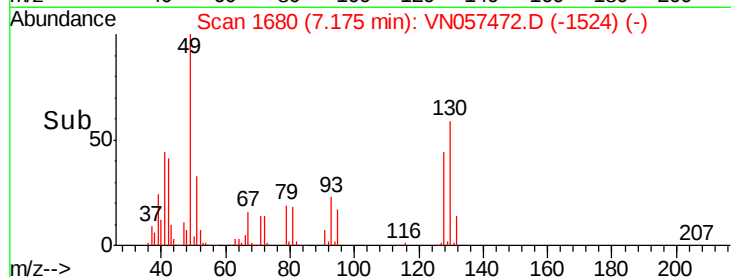
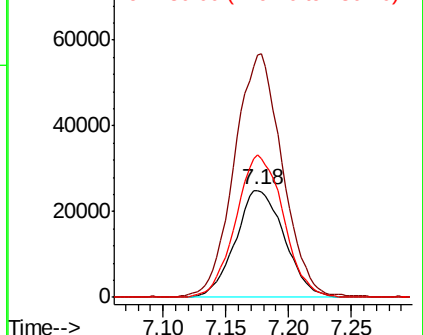
130 129.4 0.0 317.3



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: 20.613 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN057472.D

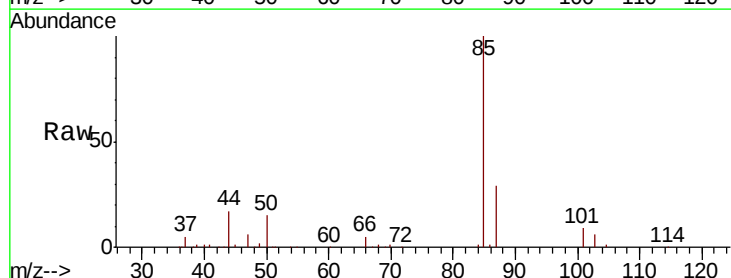
Acq: 23 Aug 2019 14:15

Tgt Ion: 85 Resp: 72958

Ion Ratio Lower Upper

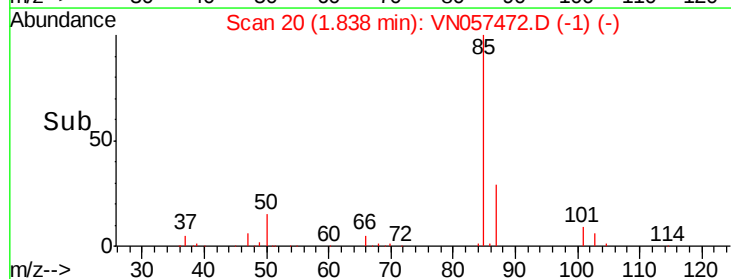
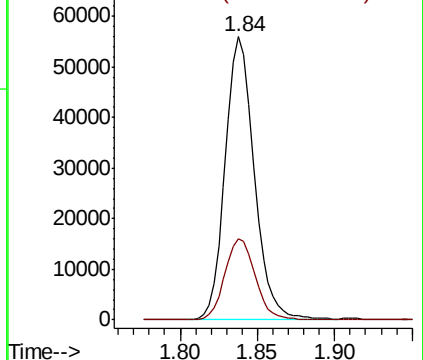
85 100

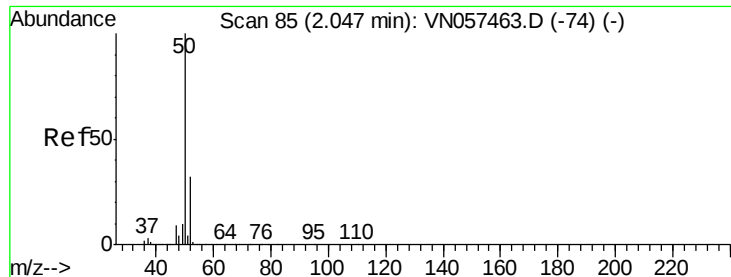
87 28.9 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.425 ug/l

RT: 2.05 min Scan# 85

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

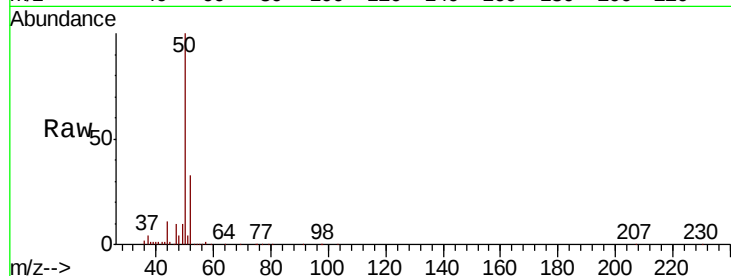
VN0823WBSD01

Tgt Ion: 50 Resp: 103244

Ion Ratio Lower Upper

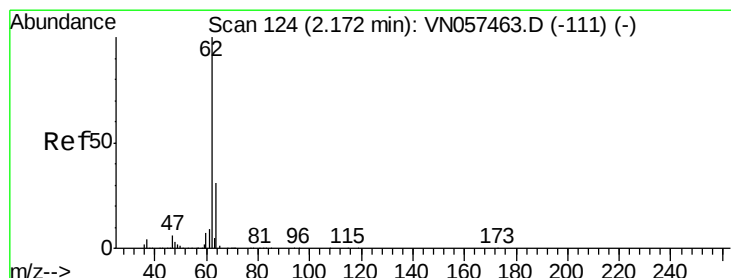
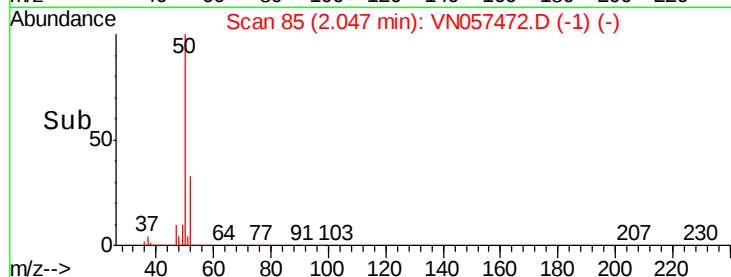
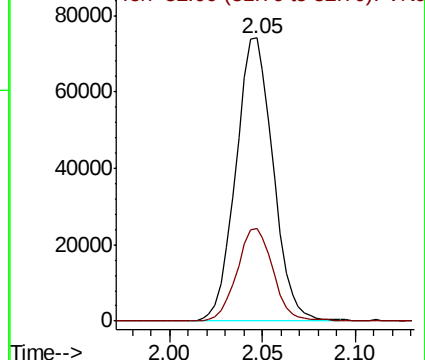
50 100

52 32.9 25.8 38.6



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 19.047 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN057472.D

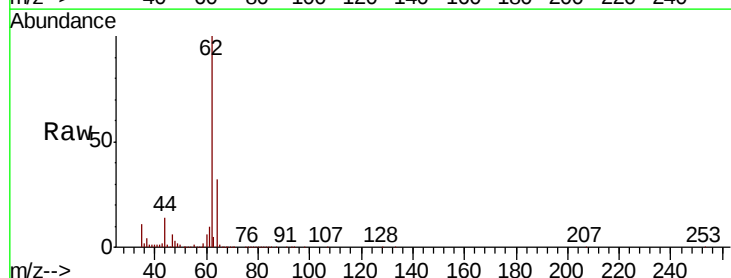
Acq: 23 Aug 2019 14:15

Tgt Ion: 62 Resp: 128608

Ion Ratio Lower Upper

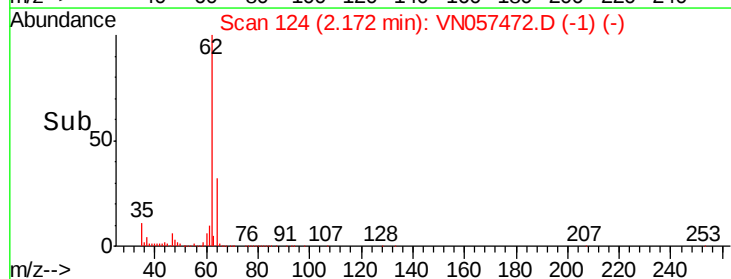
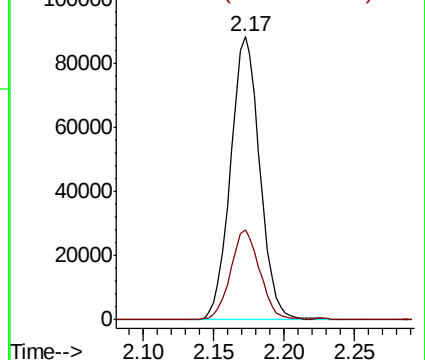
62 100

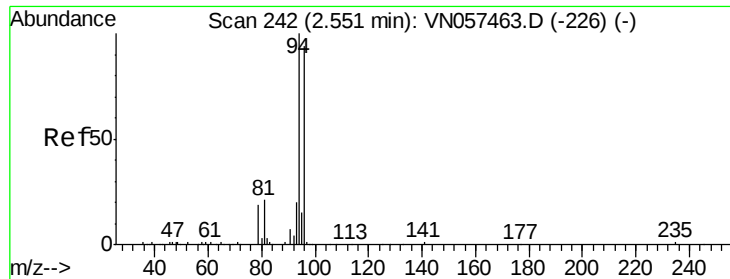
64 31.6 24.8 37.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 19.248 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

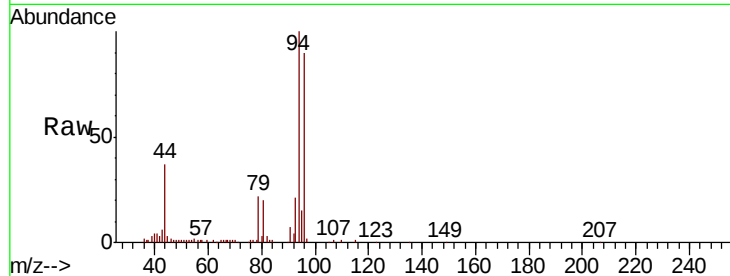
VN0823WBSD01

Tgt Ion: 94 Resp: 84077

Ion Ratio Lower Upper

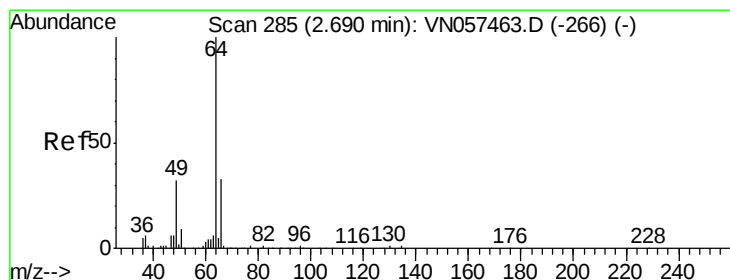
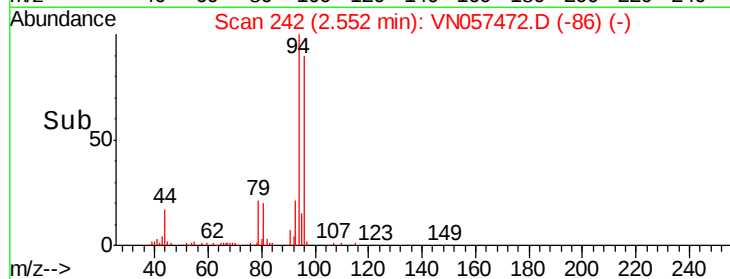
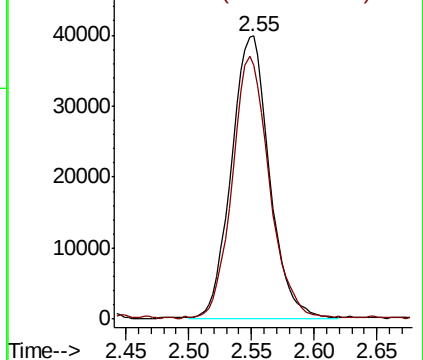
94 100

96 89.8 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.290 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN057472.D

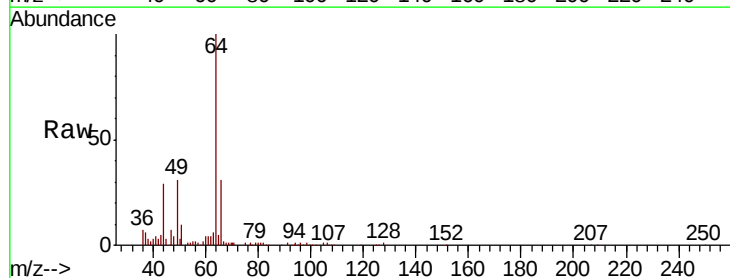
Acq: 23 Aug 2019 14:15

Tgt Ion: 64 Resp: 82723

Ion Ratio Lower Upper

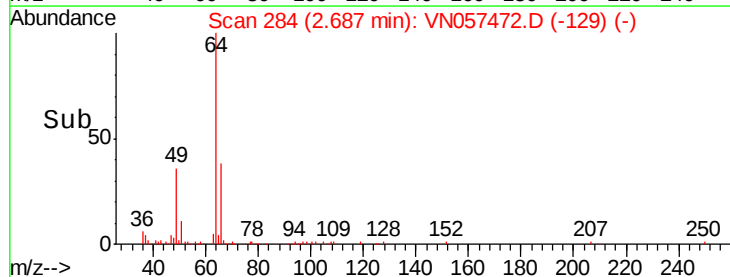
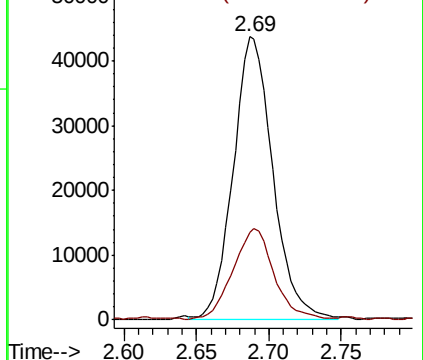
64 100

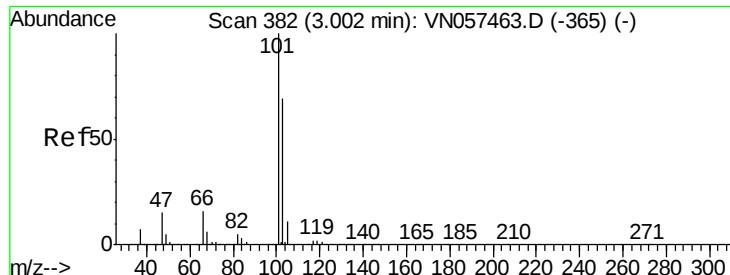
66 31.0 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



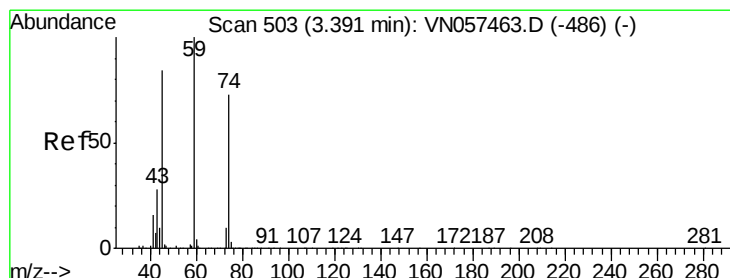
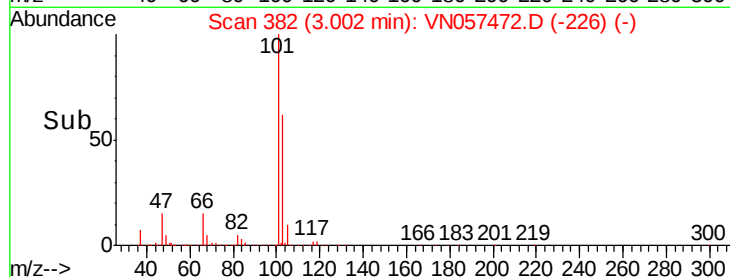
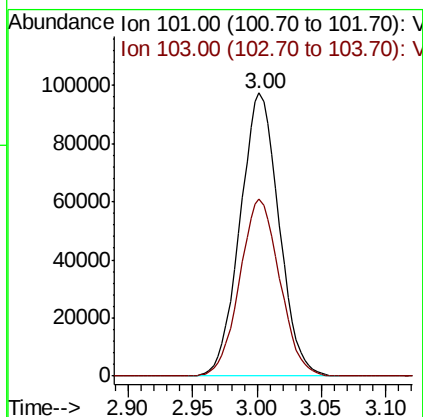
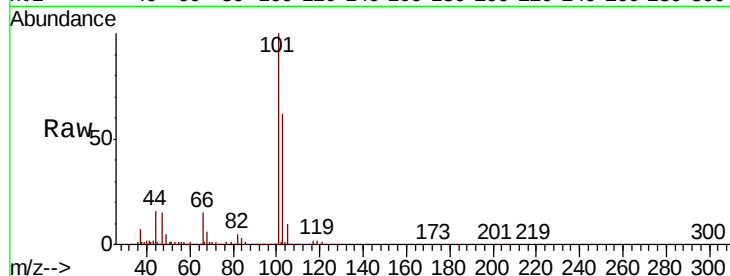


#7

Trichlorofluoromethane
 Concen: 19.075 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
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 VN0823WBSD01

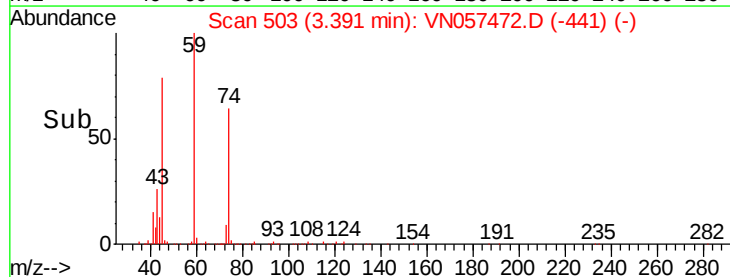
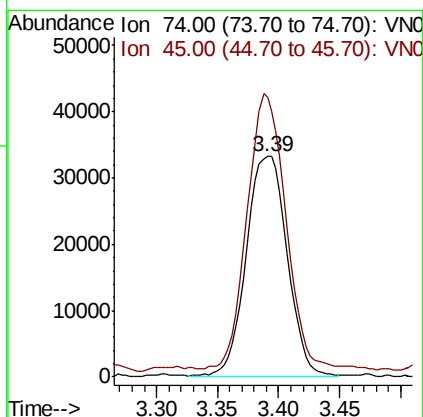
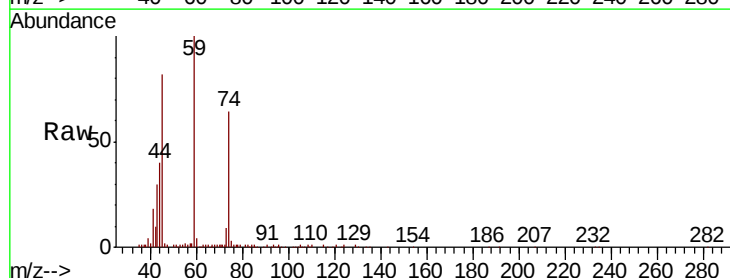
Tgt Ion: 101 Resp: 204856
 Ion Ratio Lower Upper
 101 100
 103 62.4 55.0 82.4

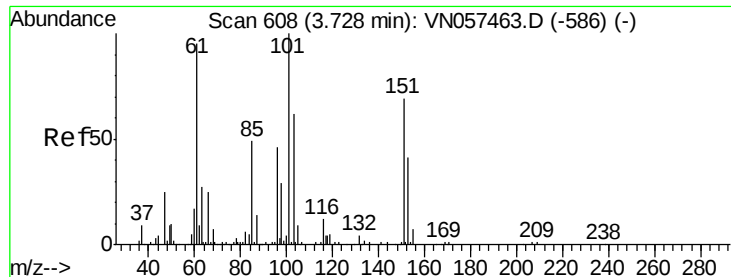


#8

Diethyl Ether
 Concen: 18.669 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 74 Resp: 77025
 Ion Ratio Lower Upper
 74 100
 45 117.8 23.2 209.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.875 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

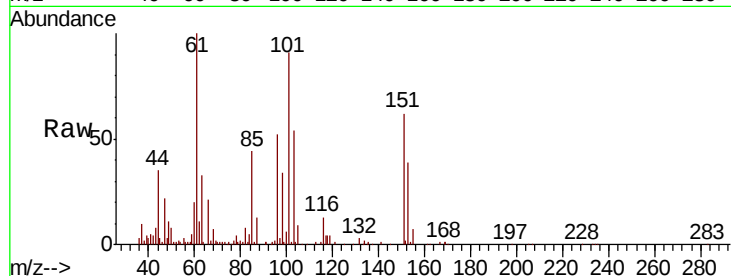
Tgt Ion: 101 Resp: 114173

Ion Ratio Lower Upper

101 100

85 51.0 0.0 101.6

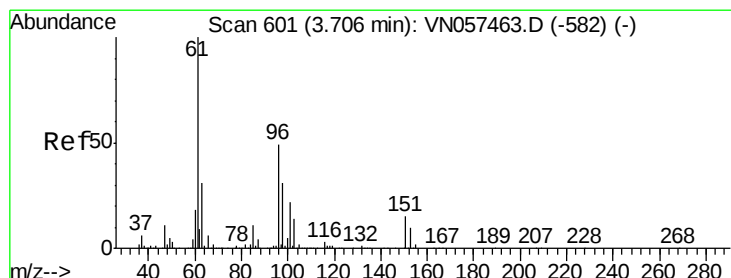
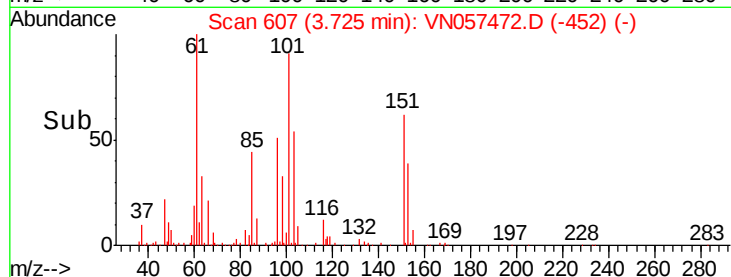
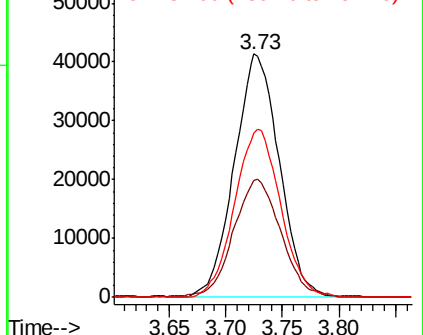
151 70.7 0.0 139.4



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: 18.863 ug/l

RT: 3.71 min Scan# 601

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

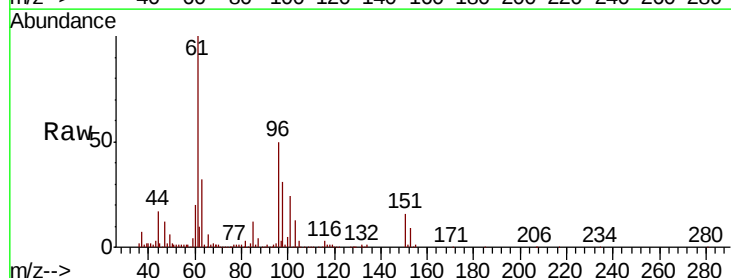
Tgt Ion: 96 Resp: 110153

Ion Ratio Lower Upper

96 100

61 200.1 162.6 244.0

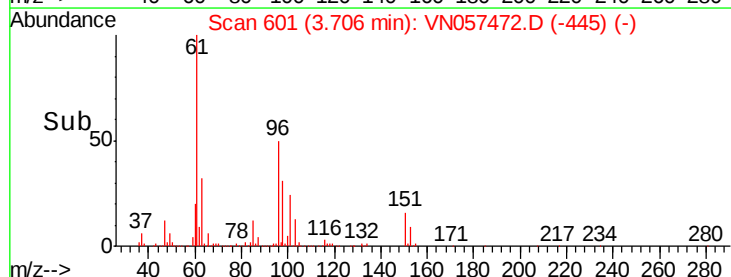
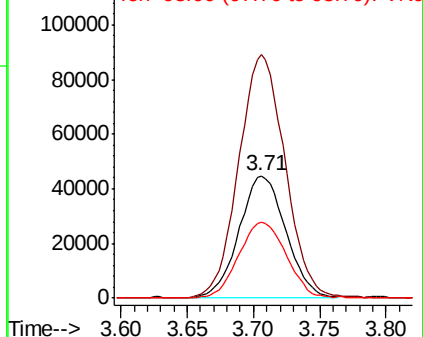
98 62.5 51.1 76.7

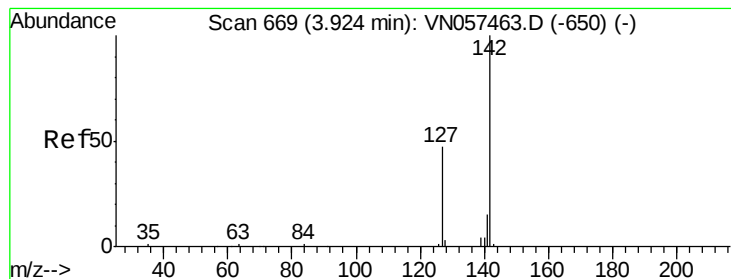


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methyl Iodide

Concen: 15.448 ug/l

RT: 3.92 min Scan# 667

Delta R.T. -0.01 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

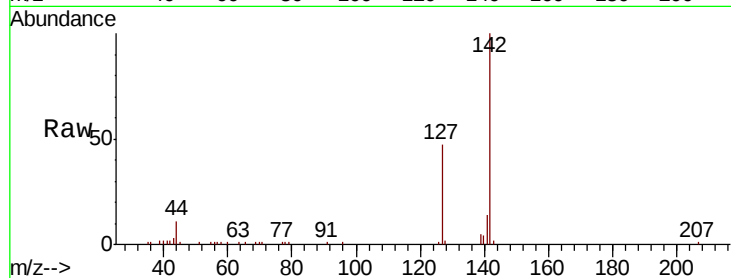
Tgt Ion:142 Resp: 81091

Ion Ratio Lower Upper

142 100

127 50.1 24.0 72.0

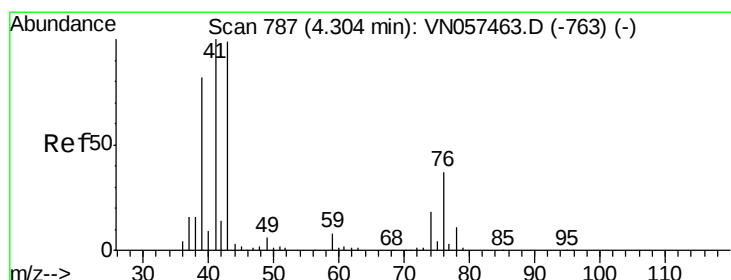
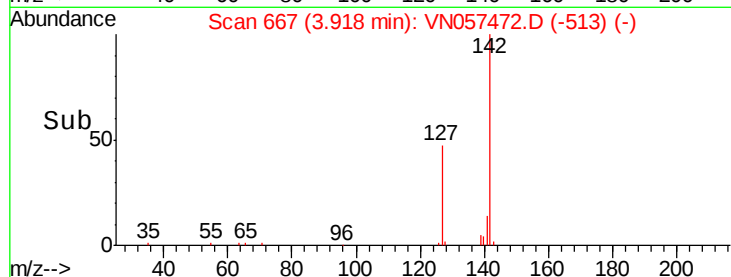
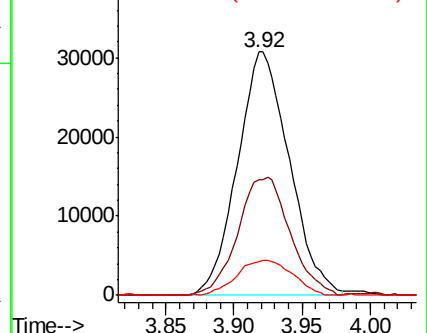
141 13.5 7.0 21.1



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 19.160 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057472.D

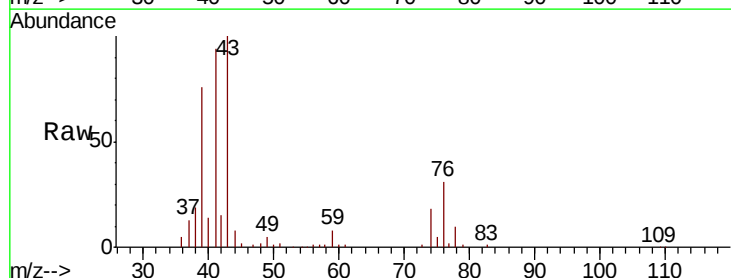
Acq: 23 Aug 2019 14:15

Tgt Ion: 43 Resp: 112713

Ion Ratio Lower Upper

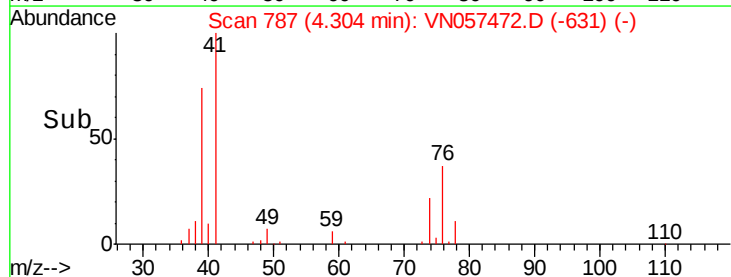
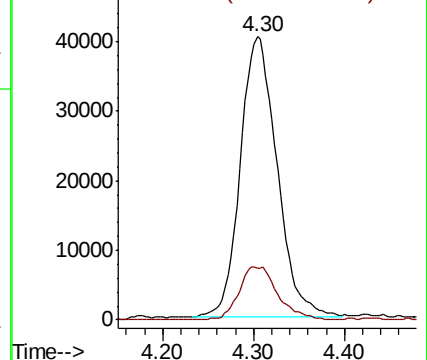
43 100

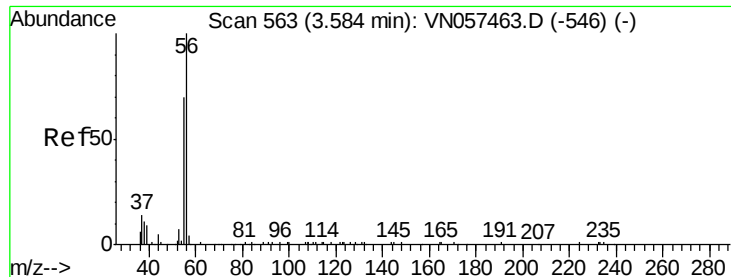
74 18.3 14.6 22.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 93.779 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

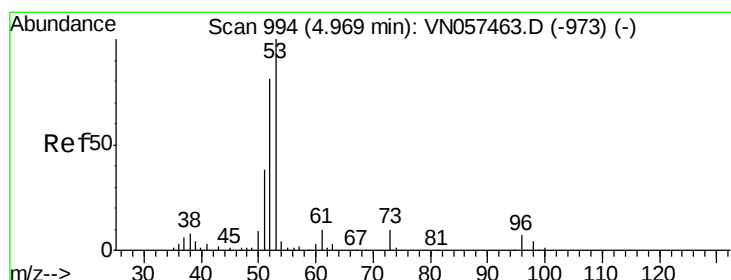
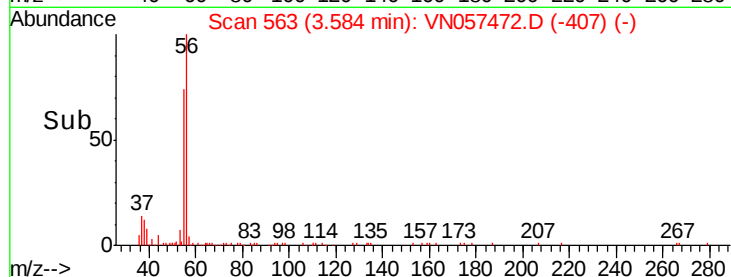
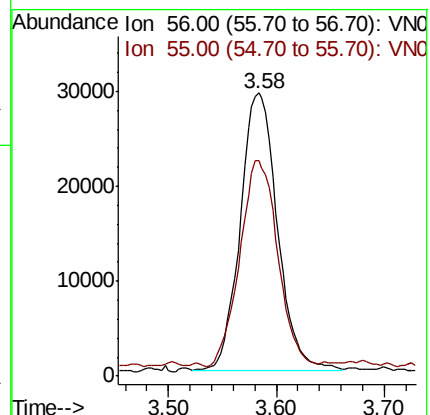
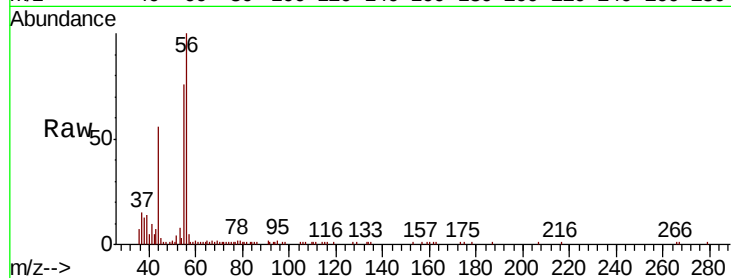
VN0823WBSD01

Tgt Ion: 56 Resp: 70161

Ion Ratio Lower Upper

56 100

55 75.4 56.7 85.1



#14

Acrylonitrile

Concen: 94.015 ug/l

RT: 4.97 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

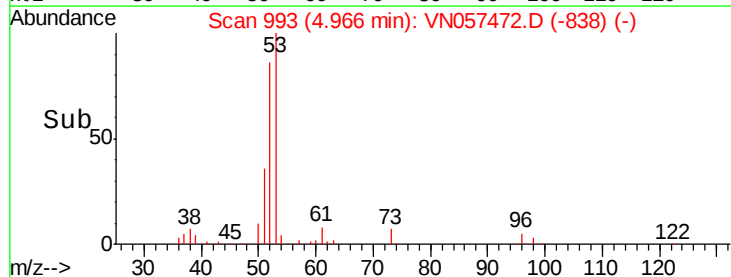
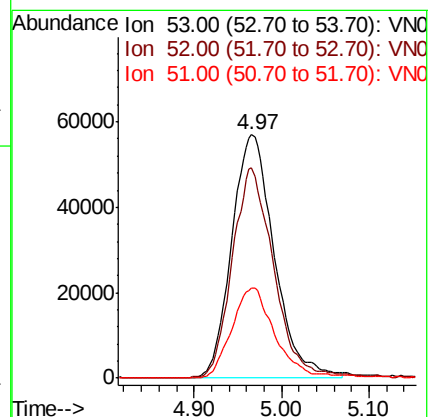
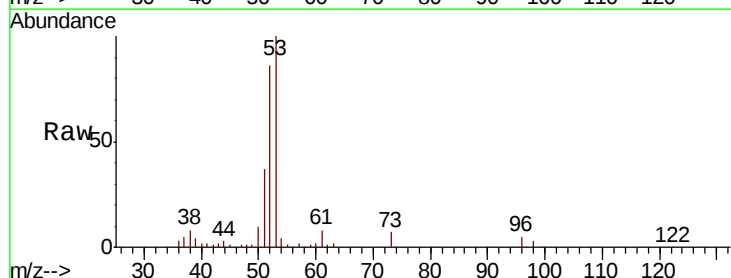
Tgt Ion: 53 Resp: 192135

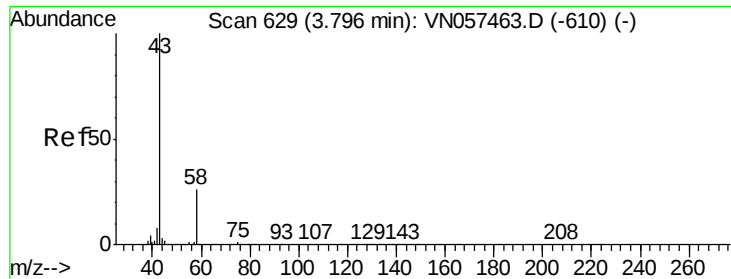
Ion Ratio Lower Upper

53 100

52 81.4 41.3 123.9

51 36.2 18.3 54.9





#15

Acetone

Concen: 76.735 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

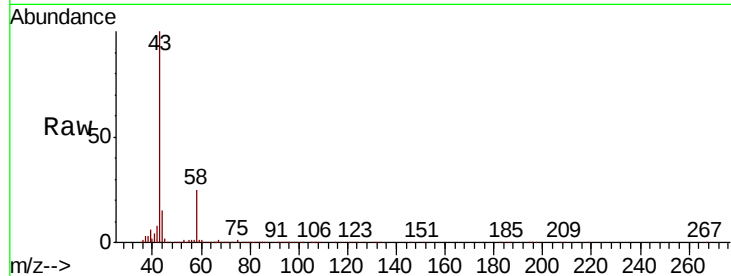
VN0823WBSD01

Tgt Ion: 58 Resp: 73361

Ion Ratio Lower Upper

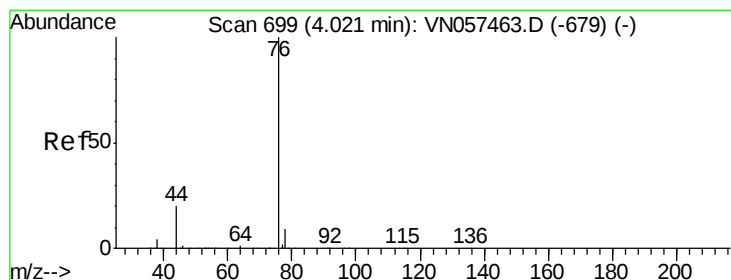
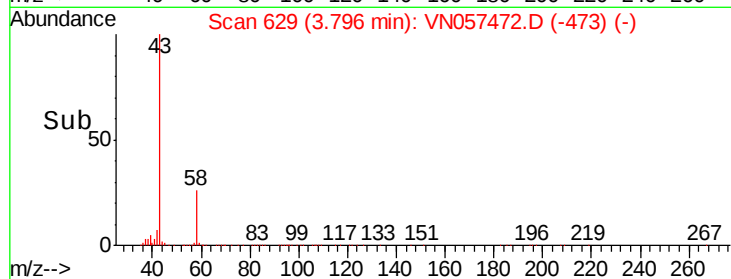
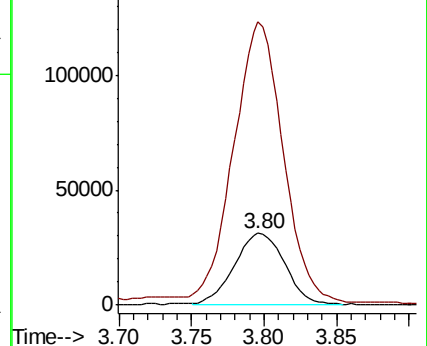
58 100

43 395.8 304.4 456.6



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.417 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057472.D

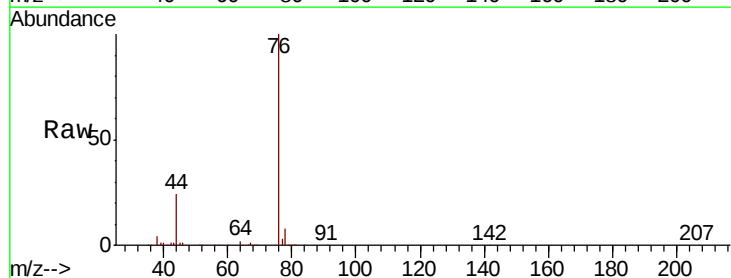
Acq: 23 Aug 2019 14:15

Tgt Ion: 76 Resp: 191567

Ion Ratio Lower Upper

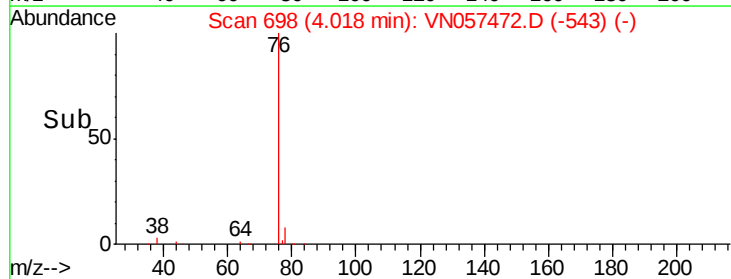
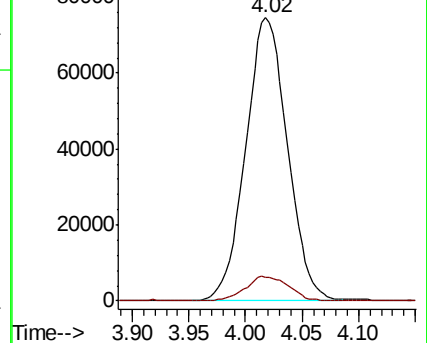
76 100

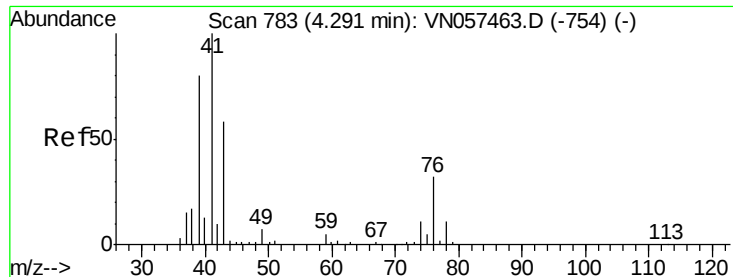
78 8.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

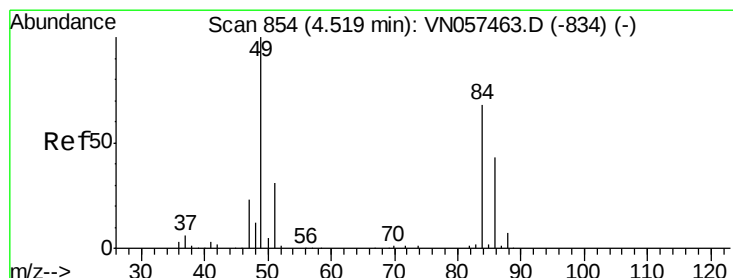
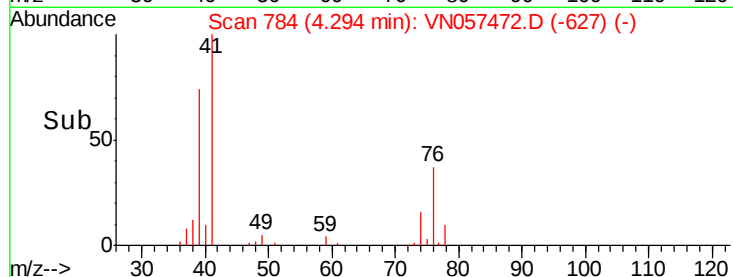
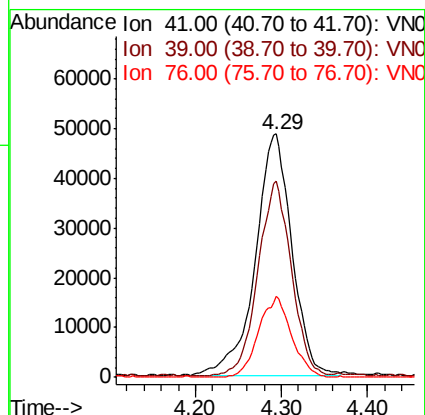
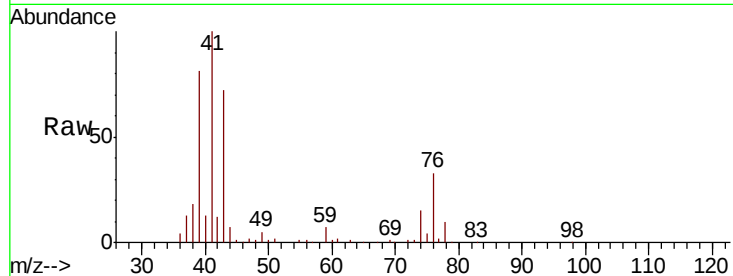




#17
 Allyl chloride
 Concen: 17.945 ug/l
 RT: 4.29 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

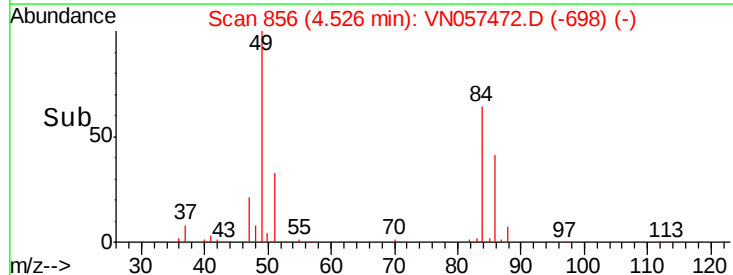
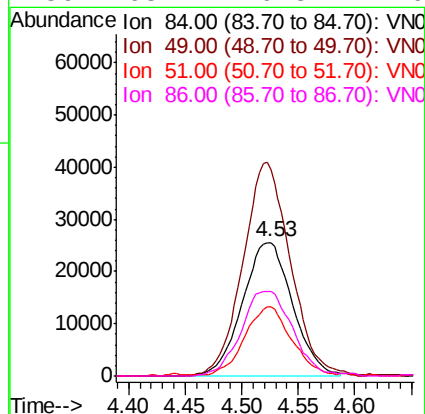
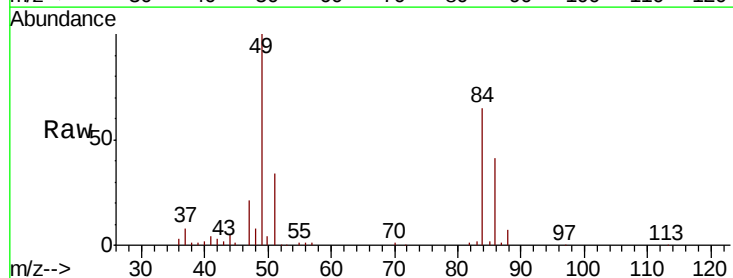
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

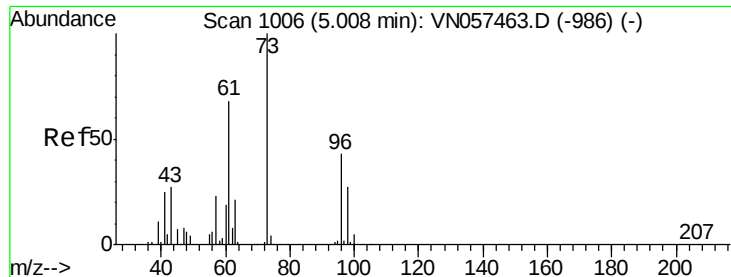
Tgt Ion: 41 Resp: 142961
 Ion Ratio Lower Upper
 41 100
 39 80.9 40.1 120.2
 76 33.0 16.2 48.6



#18
 Methylene Chloride
 Concen: 18.365 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 84 Resp: 78652
 Ion Ratio Lower Upper
 84 100
 49 154.1 116.8 175.2
 51 51.3 36.4 54.6
 86 63.1 49.8 74.6

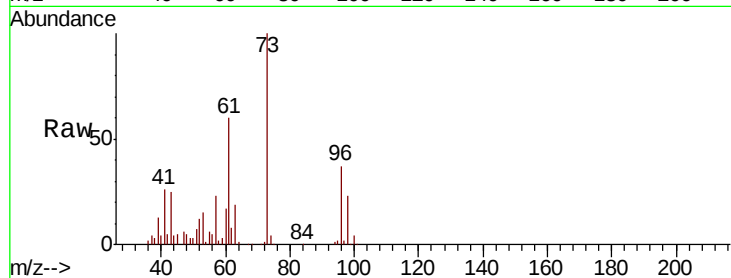




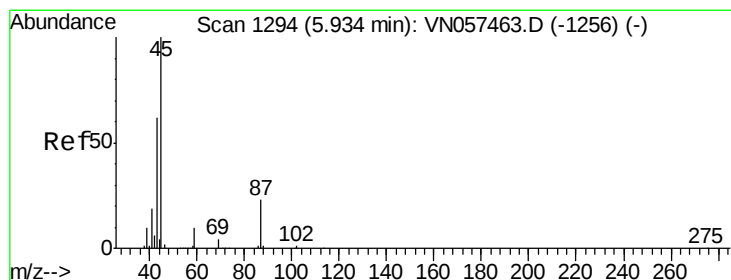
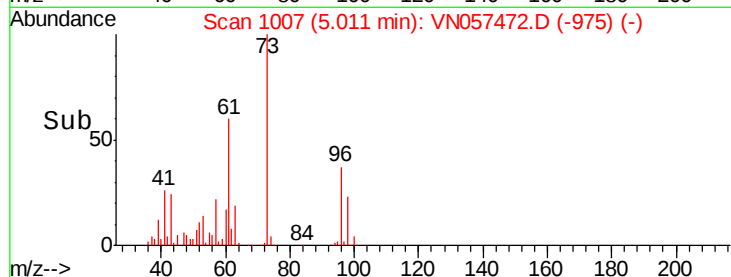
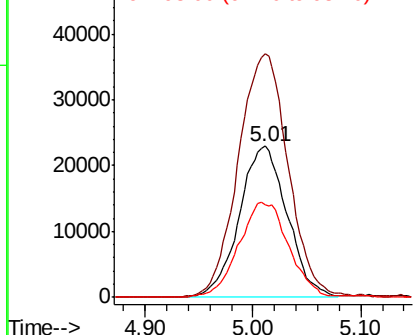
#19
trans-1,2-Dichloroethene
Concen: 17.590 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tgt Ion: 96 Resp: 70937
Ion Ratio Lower Upper
96 100
61 160.6 127.6 191.4
98 61.8 51.5 77.3

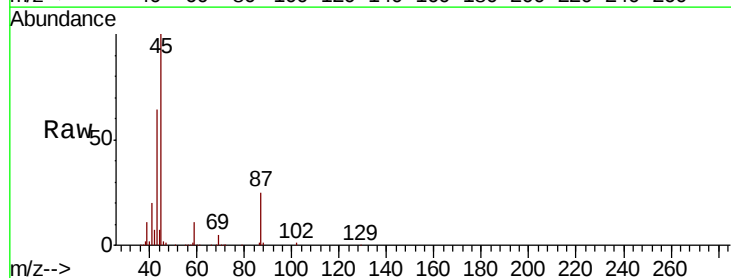


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

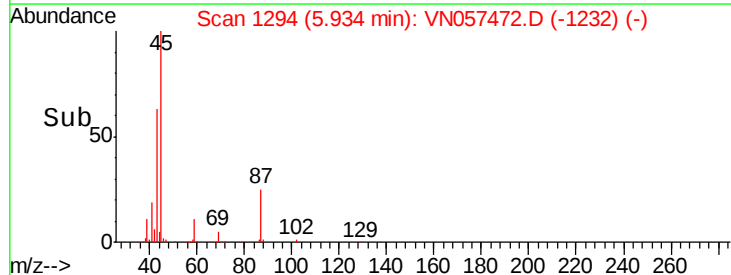
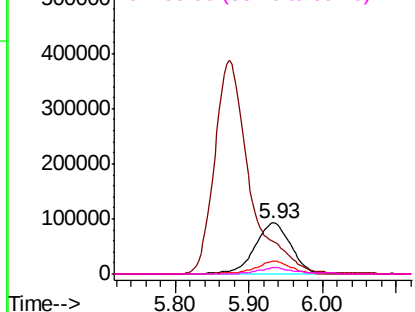


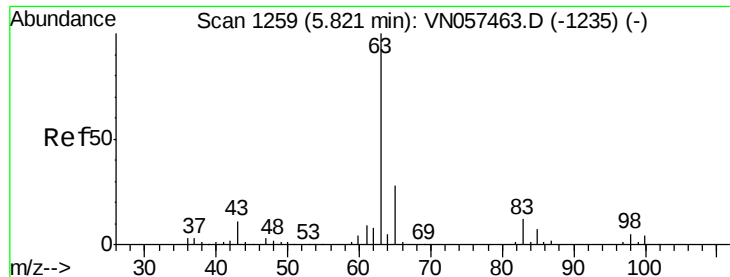
#20
Diisopropyl ether
Concen: 18.495 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion: 45 Resp: 314567
Ion Ratio Lower Upper
45 100
43 61.5 49.9 74.9
87 24.8 19.1 28.7
59 11.1 8.3 12.5



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

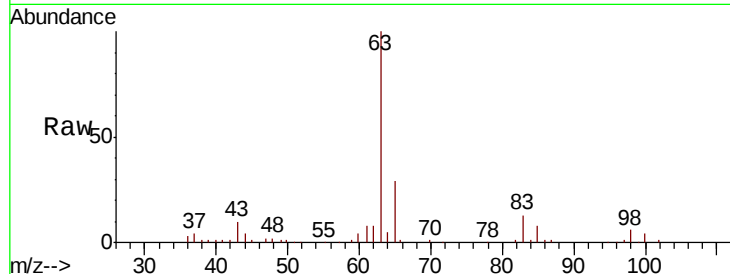




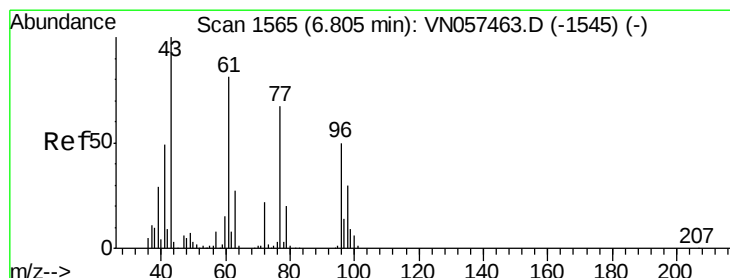
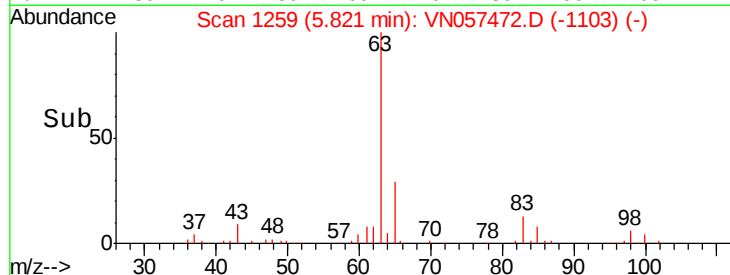
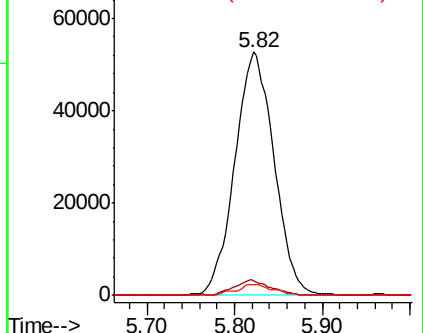
#21
 1,1-Dichloroethane
 Concen: 18.587 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tgt Ion: 63 Resp: 164273
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.4 7.1
 100 4.2 2.1 6.3

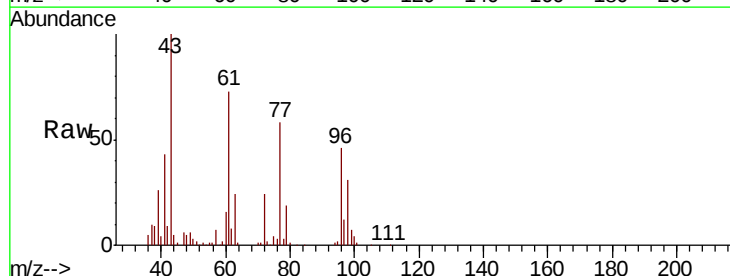


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

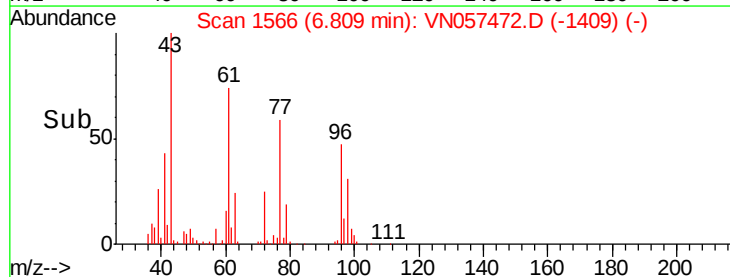
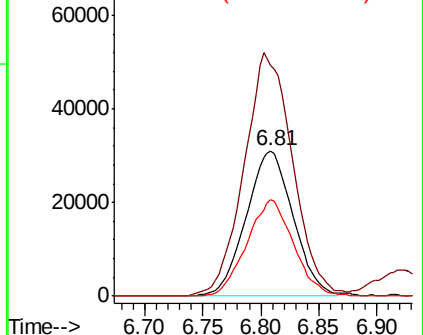


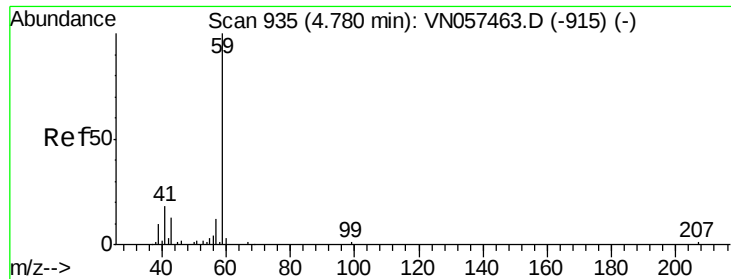
#22
 cis-1,2-Dichloroethene
 Concen: 17.809 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 96 Resp: 87356
 Ion Ratio Lower Upper
 96 100
 61 173.4 134.4 201.6
 98 65.8 51.4 77.0



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

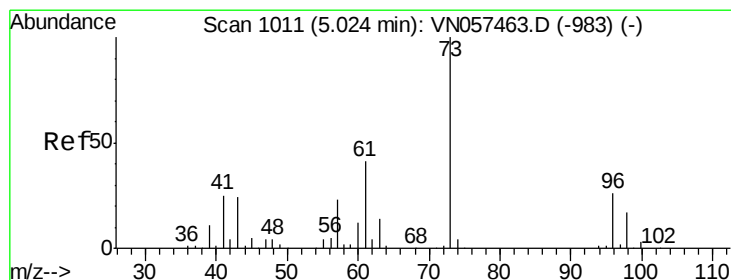
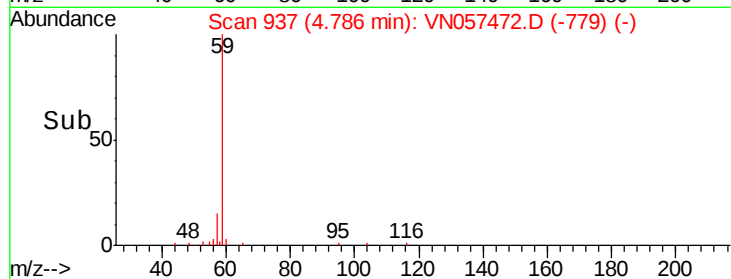
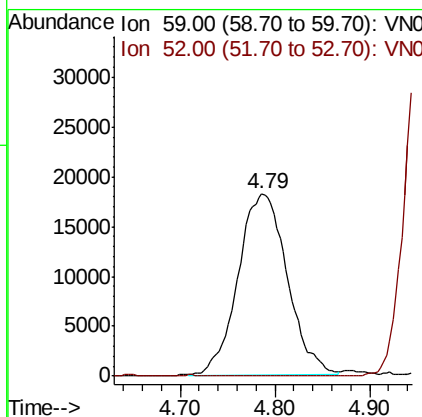
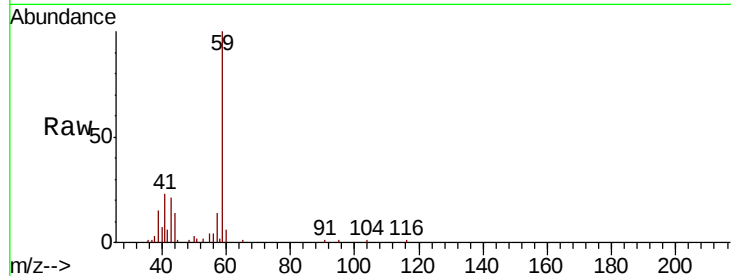




#23
 tert-Butyl Alcohol
 Concen: 88.306 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

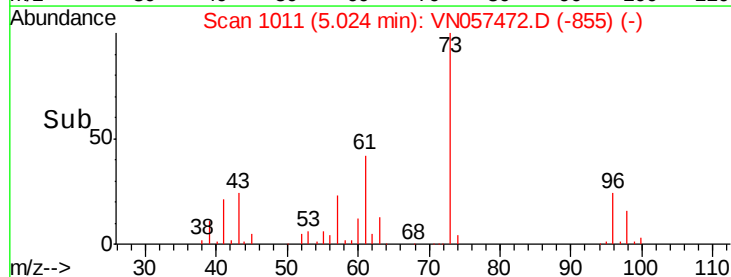
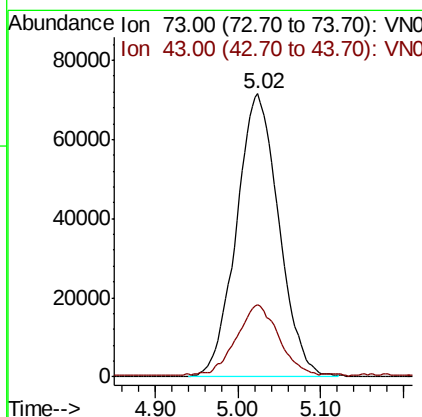
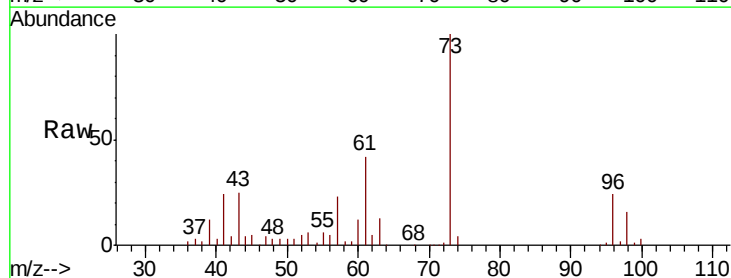
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

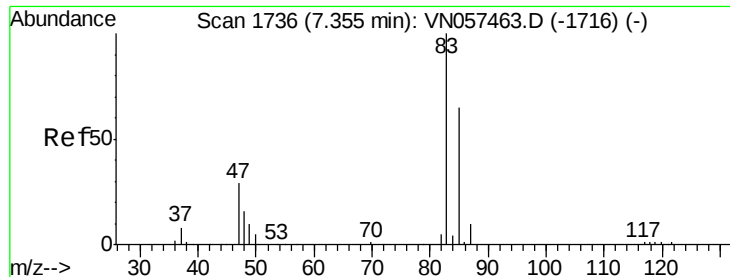
Tgt Ion: 59 Resp: 65555
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#



#24
 Methyl tert-Butyl Ether
 Concen: 18.873 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 73 Resp: 254631
 Ion Ratio Lower Upper
 73 100
 43 24.4 20.1 30.1

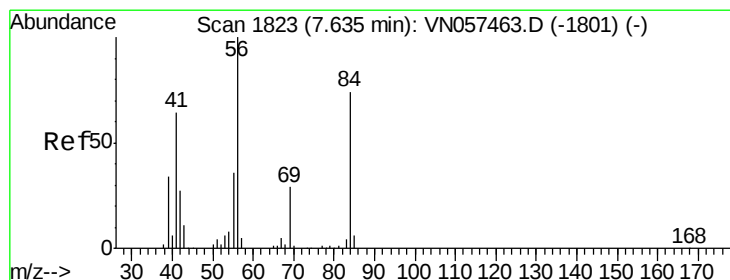
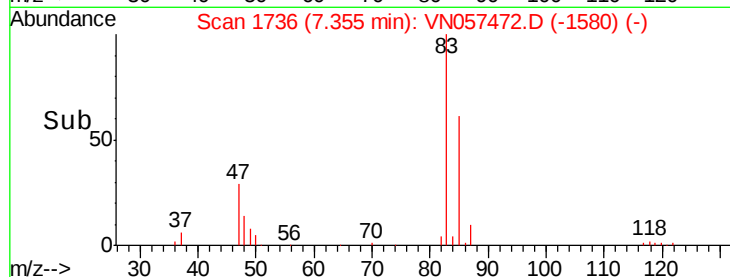
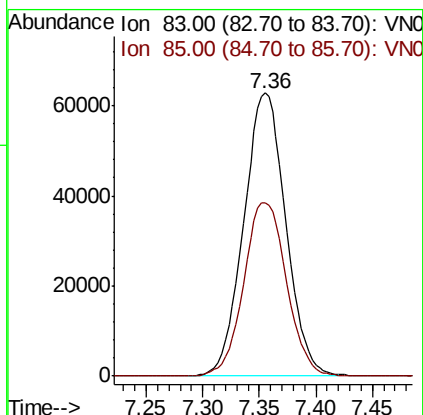
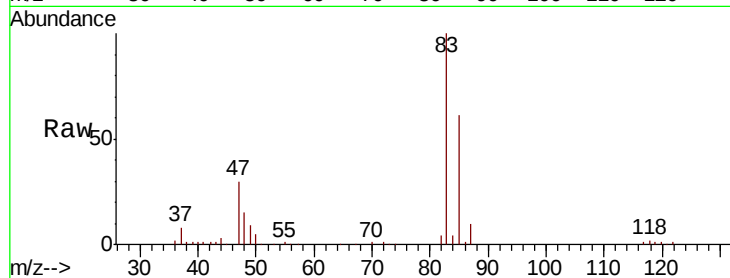




#25
Chloroform
Concen: 18.506 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

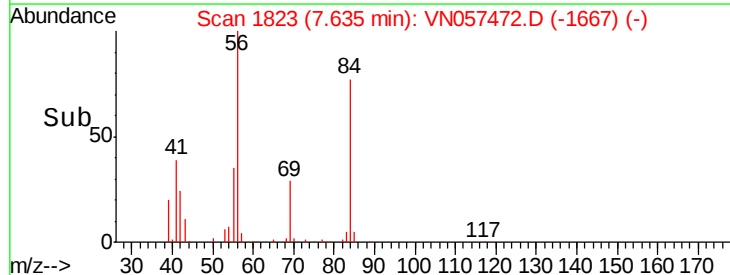
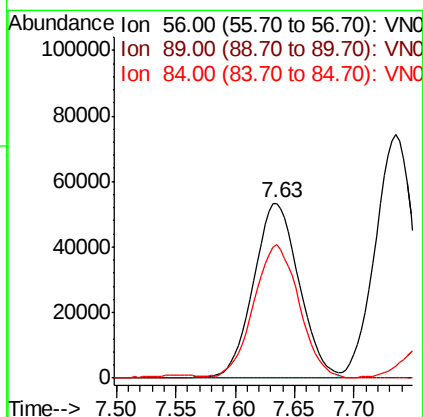
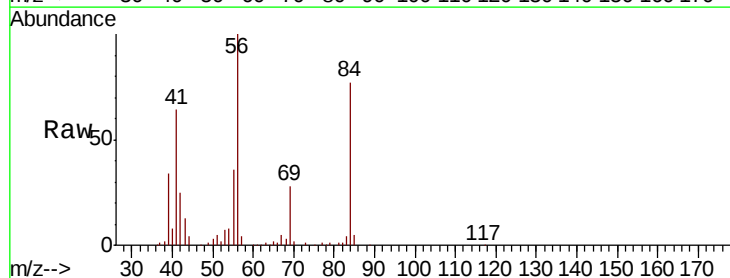
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

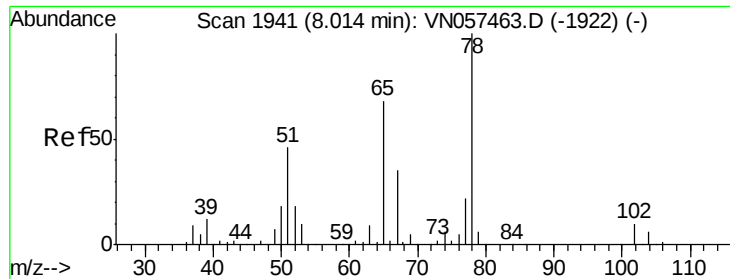
Tgt Ion: 83 Resp: 162383
Ion Ratio Lower Upper
83 100
85 61.4 52.0 78.0



#26
Cyclohexane
Concen: 17.871 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion: 56 Resp: 140644
Ion Ratio Lower Upper
56 100
89 0.1 0.0 0.0#
84 76.5 61.1 91.7





#27

1,2-Dichloroethane-d4

Concen: 30.208 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

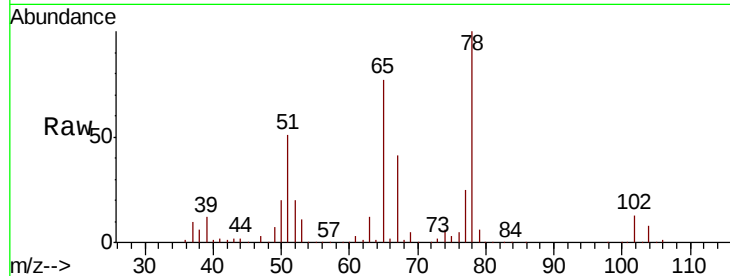
VN0823WBSD01

Tgt Ion: 65 Resp: 197026

Ion Ratio Lower Upper

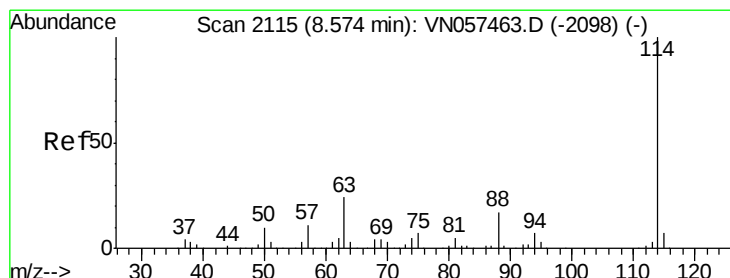
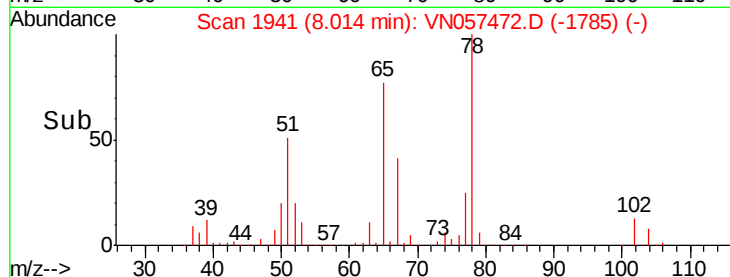
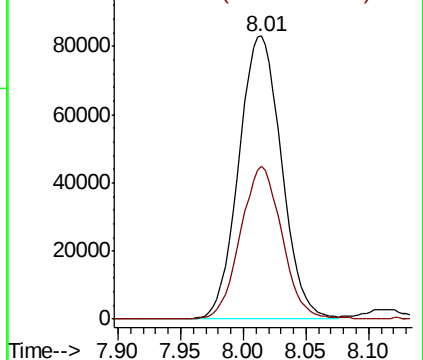
65 100

67 52.3 40.2 60.4



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

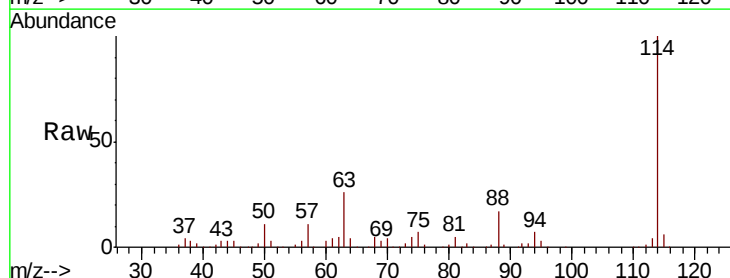
Tgt Ion: 114 Resp: 391267

Ion Ratio Lower Upper

114 100

63 25.0 19.6 29.4

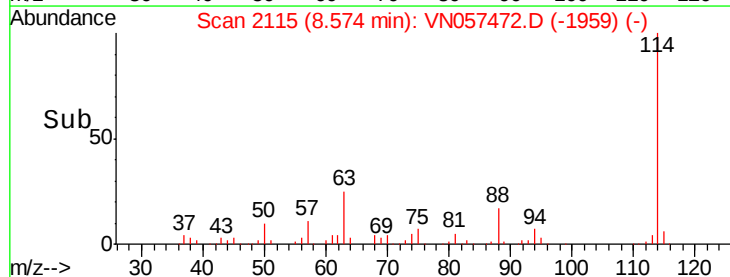
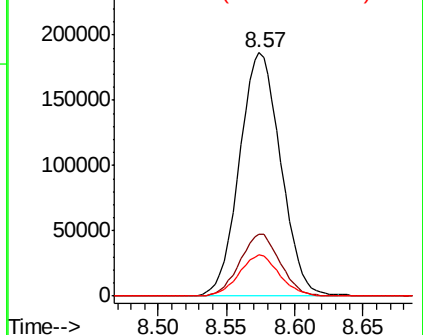
88 16.6 13.1 19.7

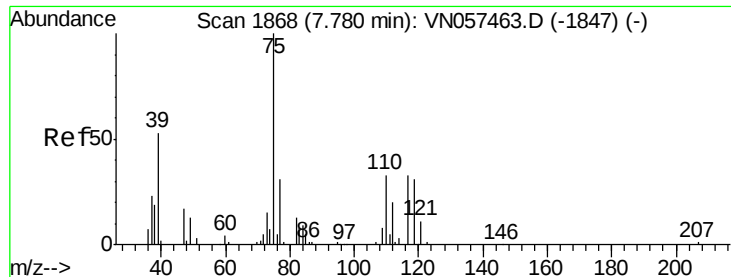


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0

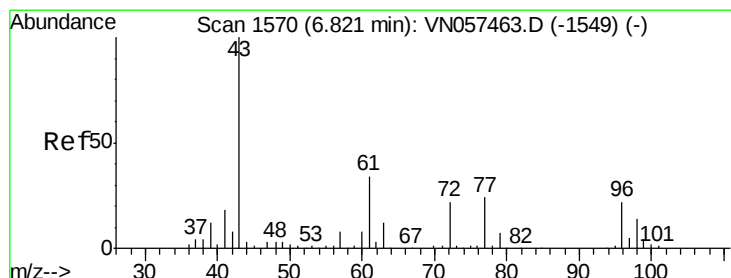
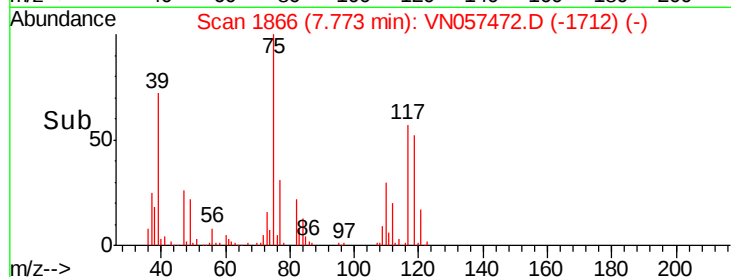
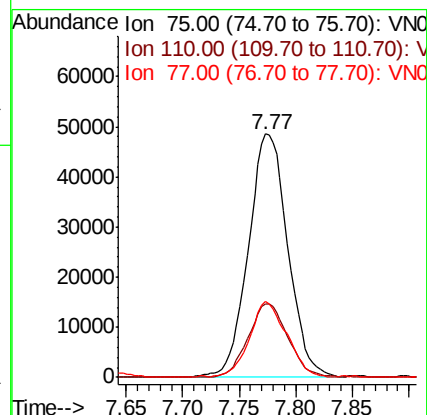
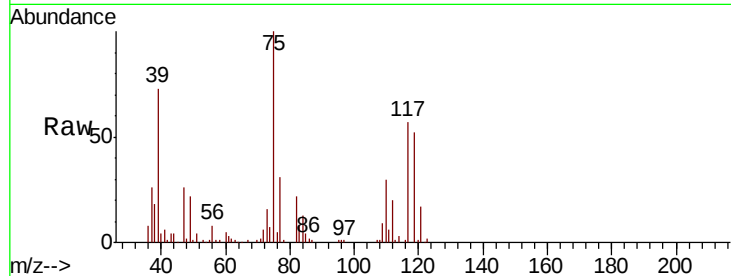




#29
 1,1-Dichloropropene
 Concen: 17.756 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.01 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

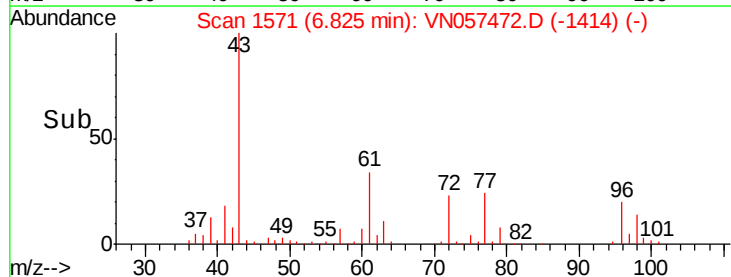
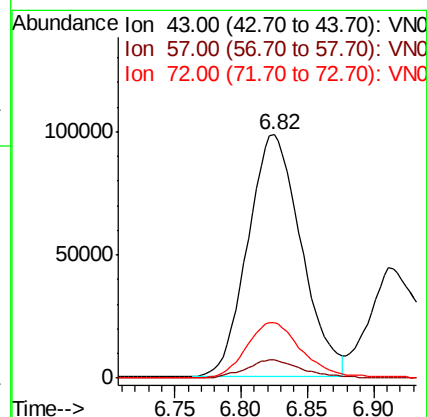
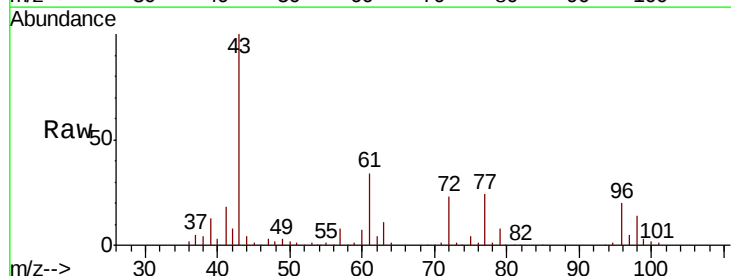
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

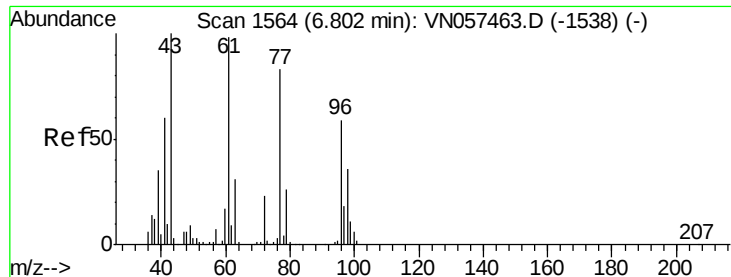
Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.4	0.0	64.0
77	29.4	0.0	63.4



#30
 2-Butanone
 Concen: 85.991 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	5.7	8.5
72	23.7	18.2	27.2





#31

2,2-Dichloropropane

Concen: 17.666 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

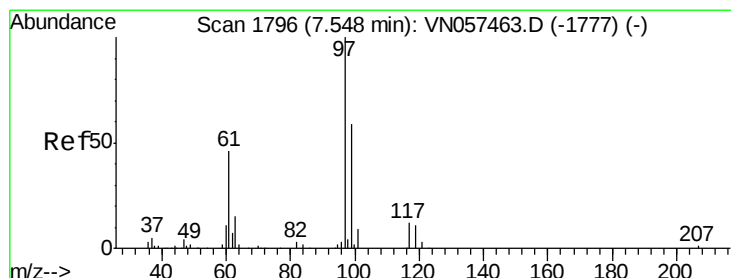
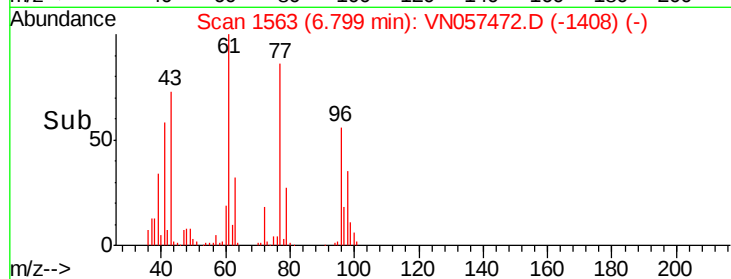
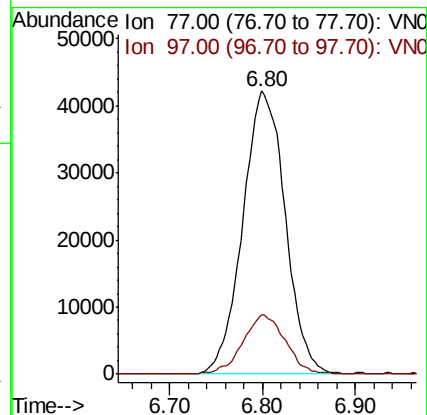
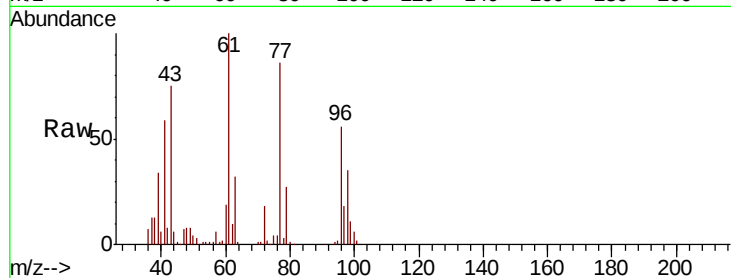
VN0823WBSD01

Tgt Ion: 77 Resp: 134218

Ion Ratio Lower Upper

77 100

97 20.2 17.0 25.4



#32

1,1,1-Trichloroethane

Concen: 18.012 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.01 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

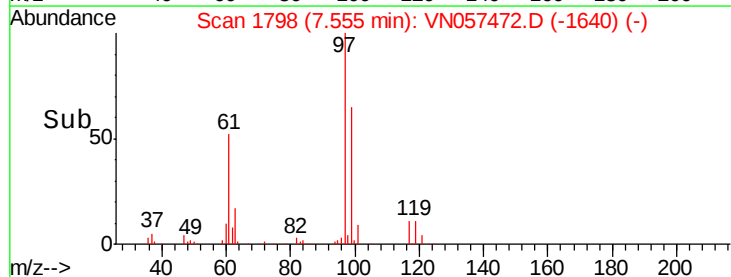
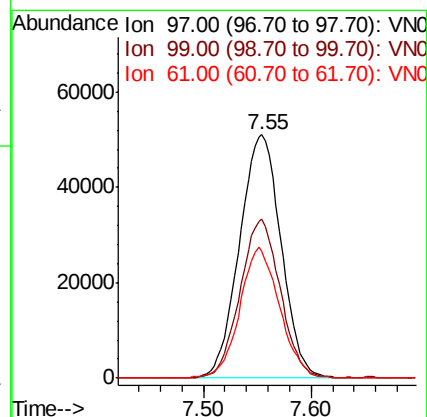
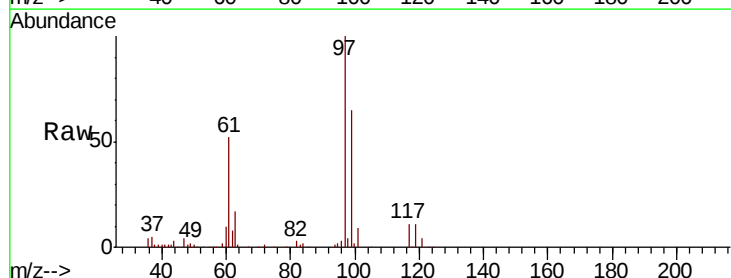
Tgt Ion: 97 Resp: 136922

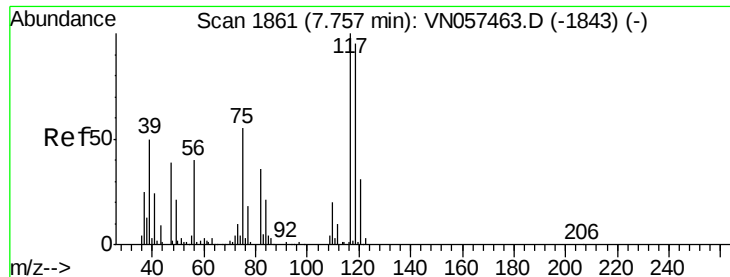
Ion Ratio Lower Upper

97 100

99 63.1 49.6 74.4

61 51.4 40.9 61.3





#33

Carbon Tetrachloride

Concen: 17.815 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

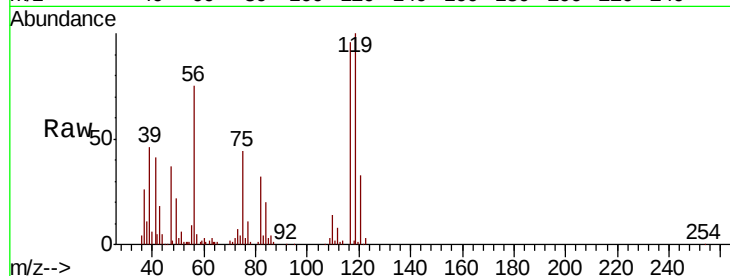
Tgt Ion: 117 Resp: 112453

Ion Ratio Lower Upper

117 100

119 103.7 76.8 115.2

121 34.6 24.8 37.2

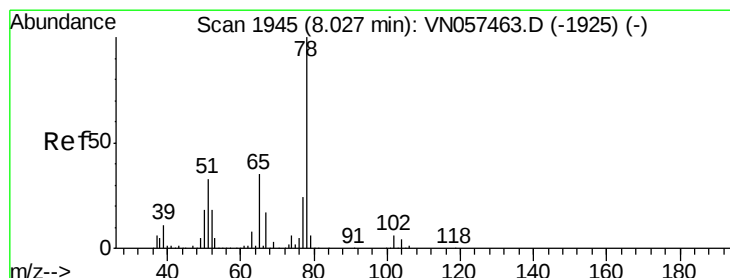
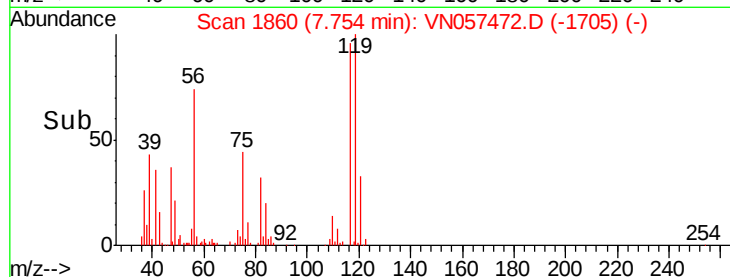
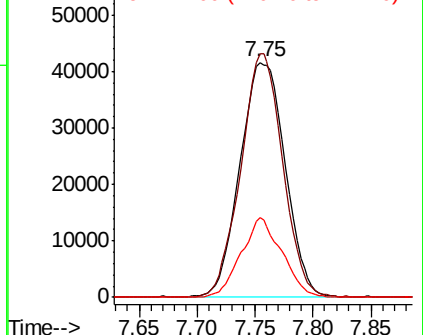


Abundance

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: 17.758 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

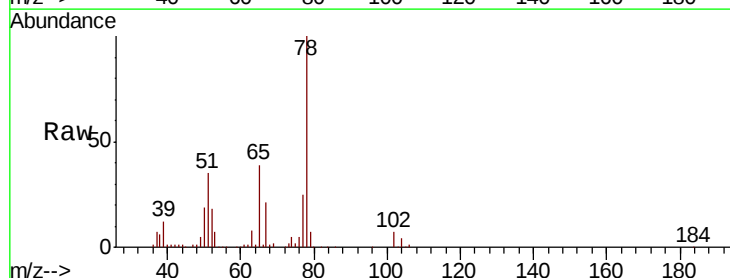
Tgt Ion: 78 Resp: 347249

Ion Ratio Lower Upper

78 100

77 24.7 19.5 29.3

51 34.4 26.0 39.0

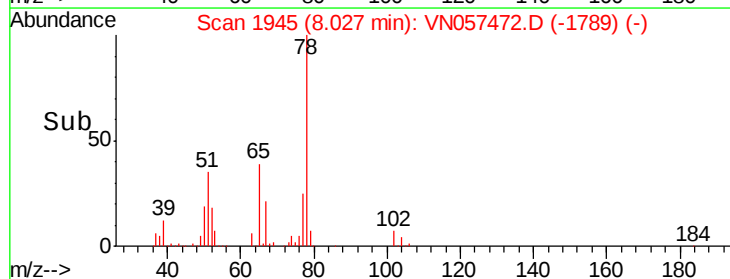
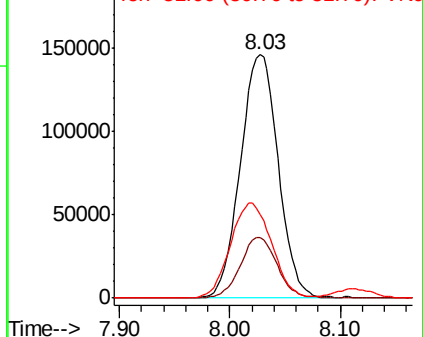


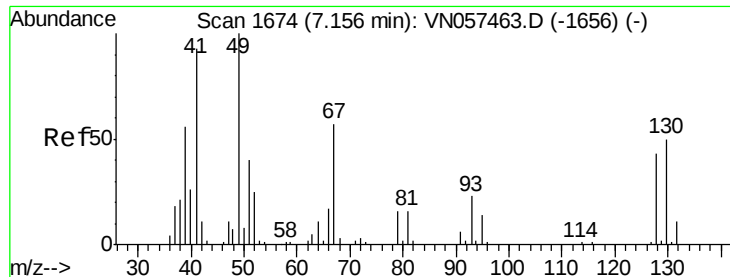
Abundance

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

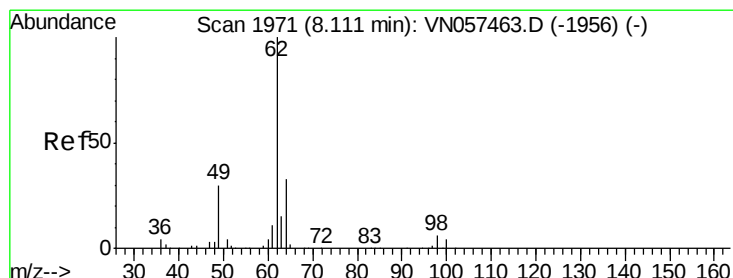
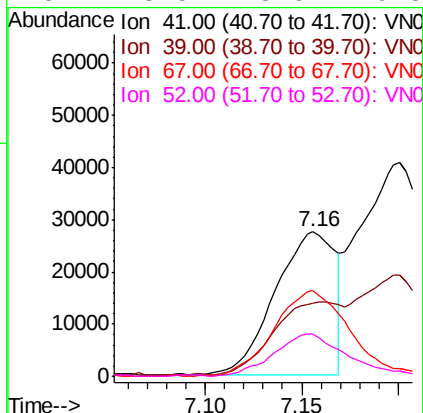
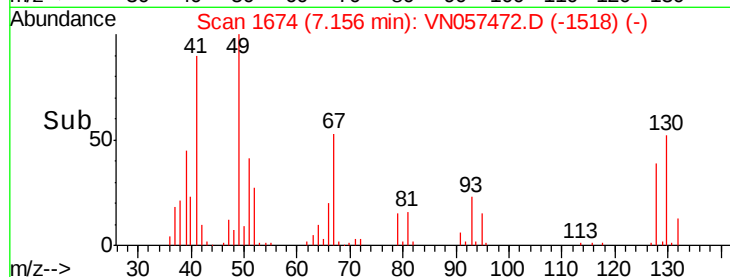
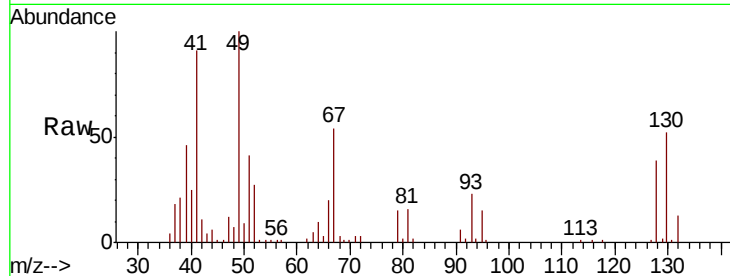




#35
Methacrylonitrile
Concen: 18.260 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

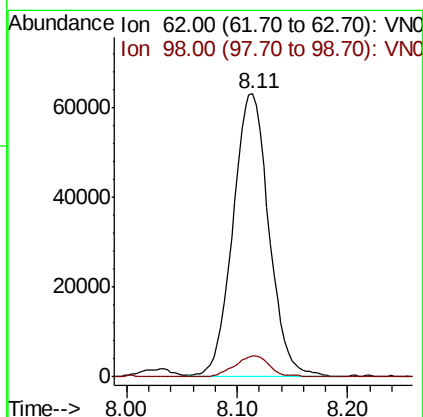
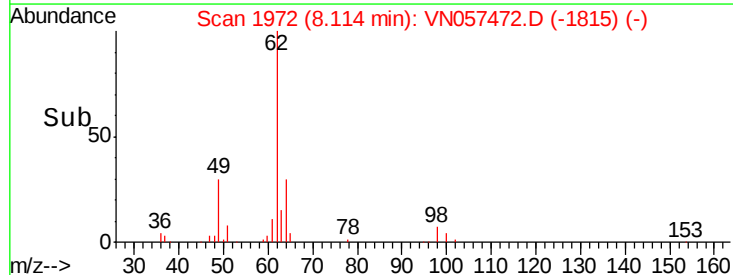
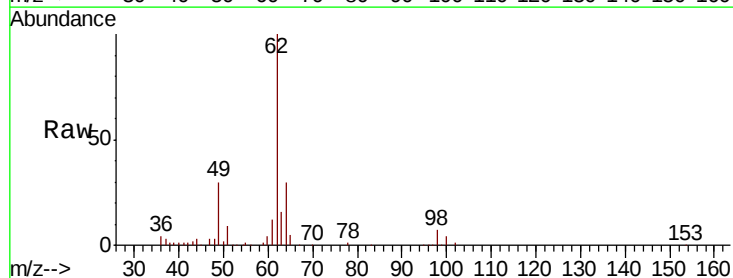
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

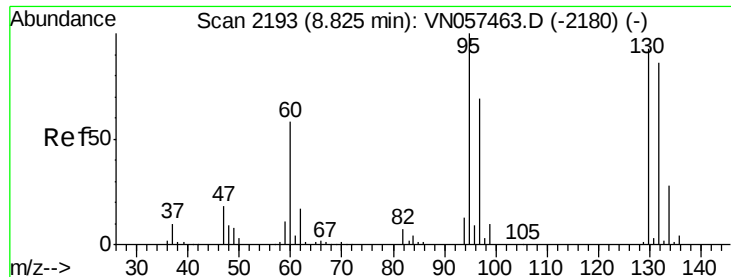
Tgt Ion:	41	Resp:	59083
Ion	Ratio	Lower	Upper
41	100		
39	49.6	30.5	91.5
67	59.8	30.9	92.5
52	28.5	13.6	40.8



#36
1,2-Dichloroethane
Concen: 18.660 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion:	62	Resp:	143042
Ion	Ratio	Lower	Upper
62	100		
98	7.1	2.8	4.2#





#37

Trichloroethene

Concen: 17.604 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

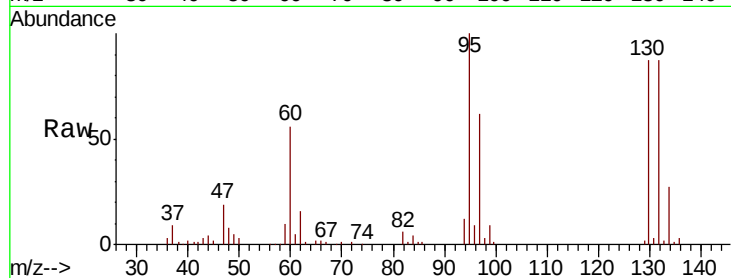
VN0823WBSD01

Tgt Ion:130 Resp: 78538

Ion Ratio Lower Upper

130 100

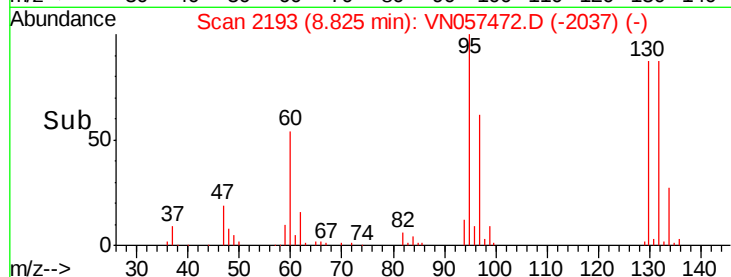
95 114.4 86.4 129.6



Abundance Ion 129.90 (129.60 to 130.60): VN0

Ion 94.90 (94.60 to 95.60): VN0

8.82



Abundance

50000

40000

30000

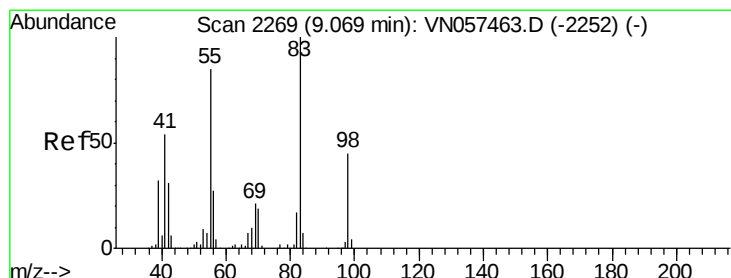
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 17.473 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

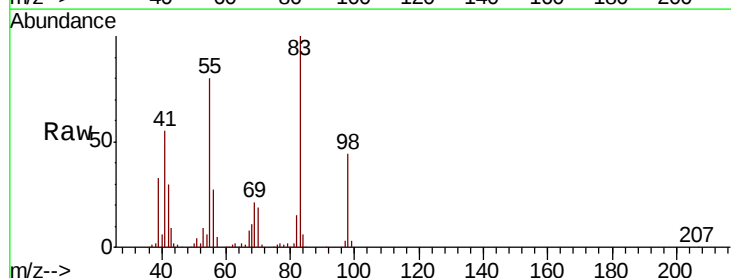
Tgt Ion: 83 Resp: 130417

Ion Ratio Lower Upper

83 100

55 84.8 43.3 129.8

98 43.6 22.8 68.4

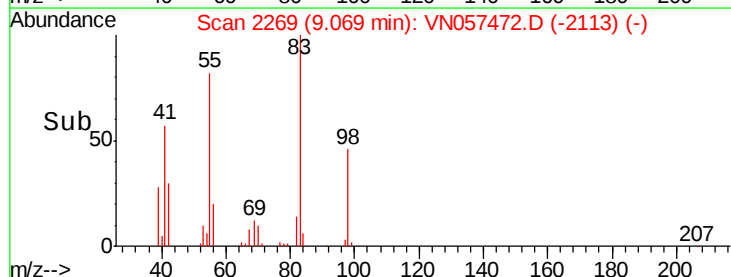


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0

9.07



Abundance

80000

60000

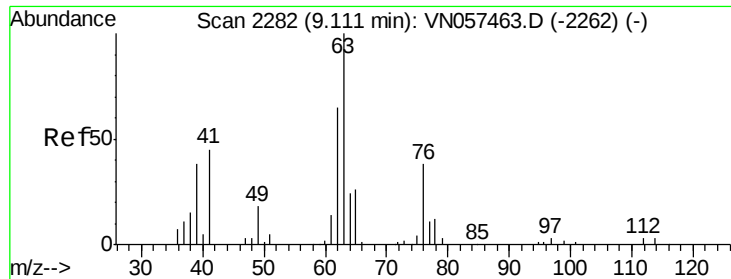
40000

20000

0

9.00 9.05 9.10 9.15

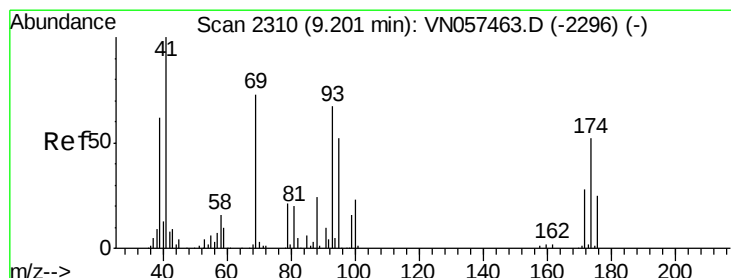
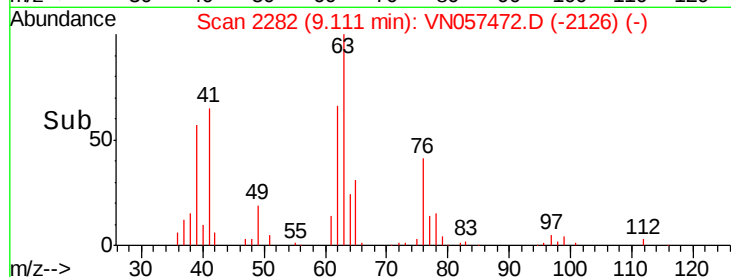
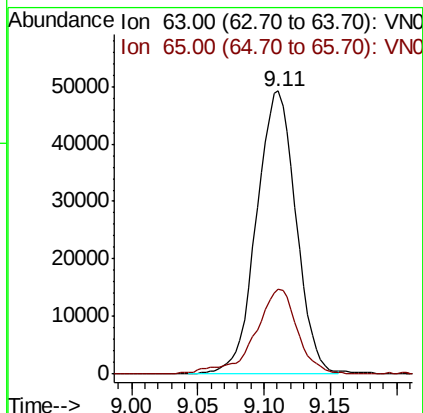
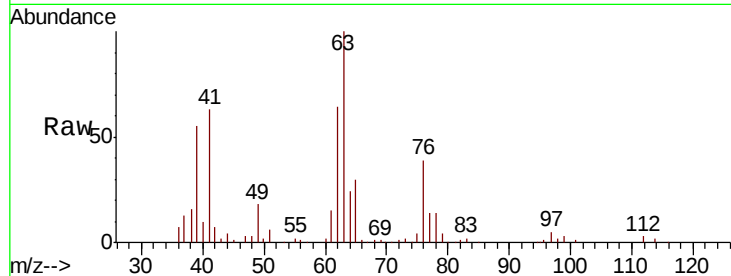
Time-->



#39
 1,2-Dichloropropane
 Concen: 18.424 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

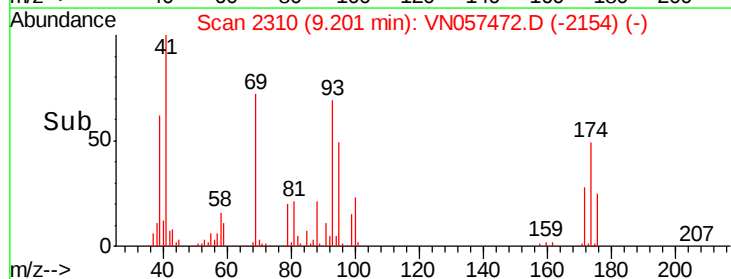
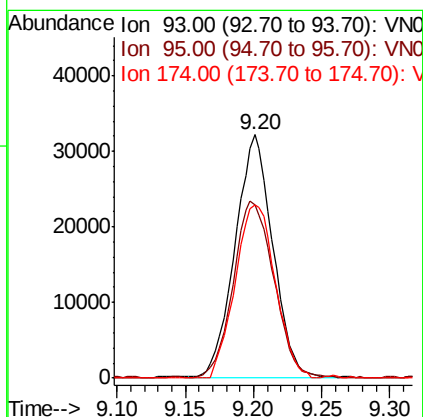
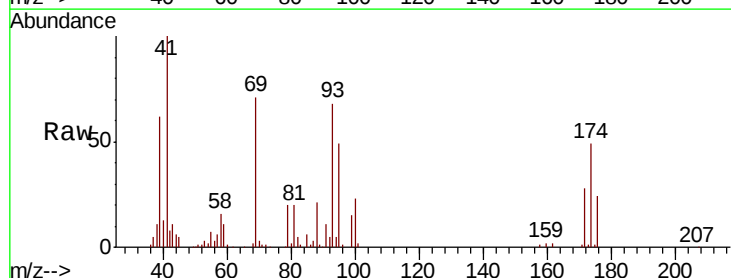
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

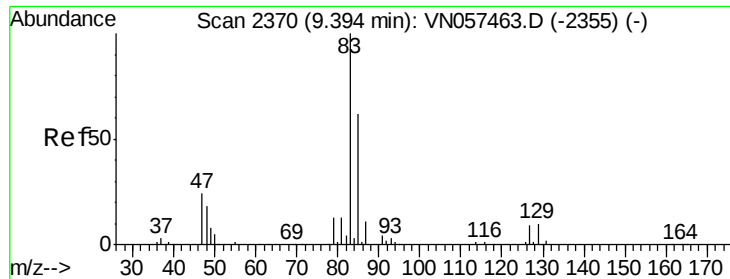
Tgt Ion: 63 Resp: 102440
 Ion Ratio Lower Upper
 63 100
 65 29.2 21.6 32.4



#40
 Dibromomethane
 Concen: 18.291 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 93 Resp: 62153
 Ion Ratio Lower Upper
 93 100
 95 78.1 0.0 160.8
 174 75.3 0.0 157.2





#41

Bromodichloromethane

Concen: 17.436 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

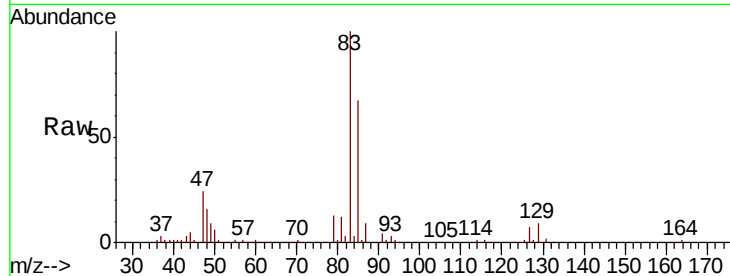
Tgt Ion: 83 Resp: 125662

Ion Ratio Lower Upper

83 100

85 66.7 49.8 74.8

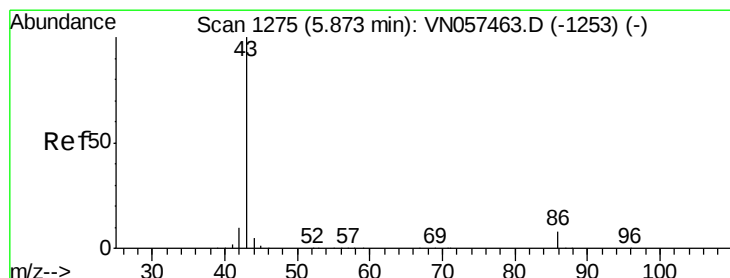
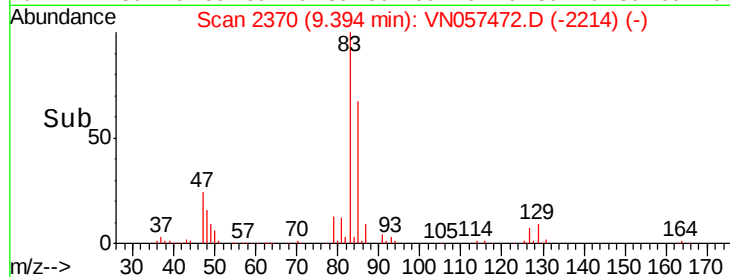
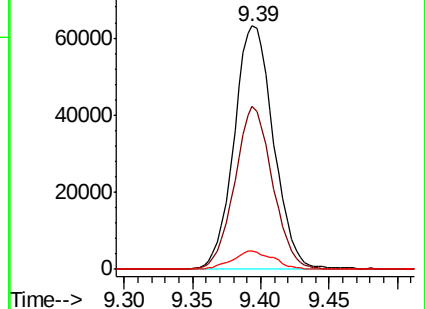
127 7.4 7.6 11.4#



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: 89.160 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057472.D

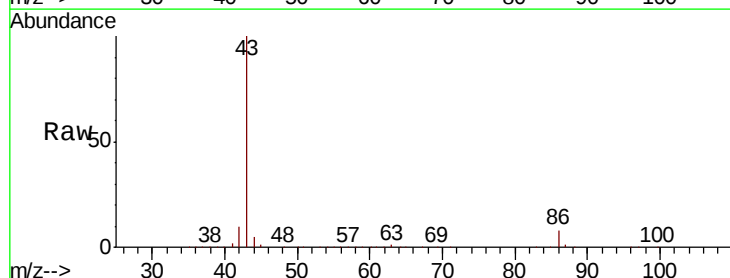
Acq: 23 Aug 2019 14:15

Tgt Ion: 43 Resp: 1275631

Ion Ratio Lower Upper

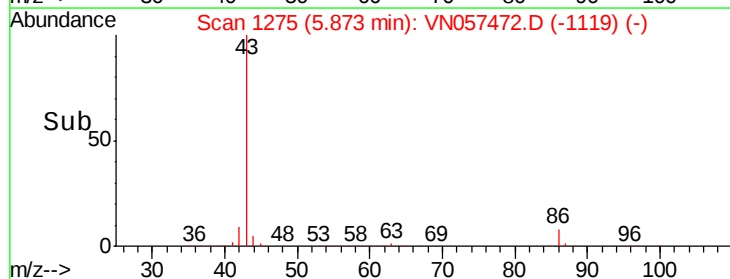
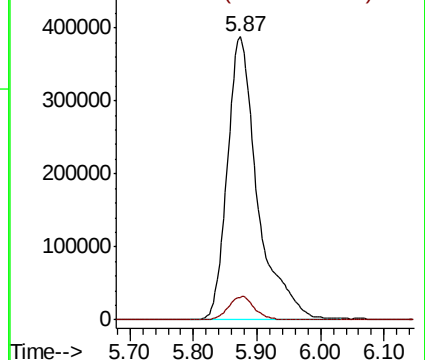
43 100

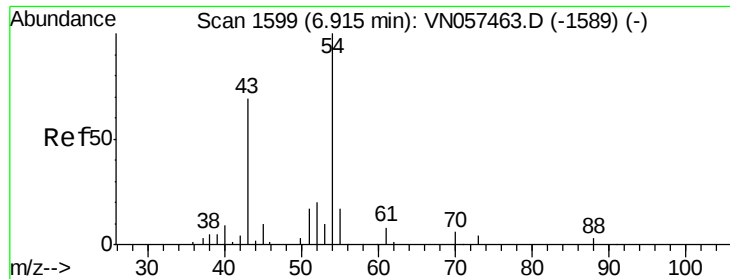
86 7.2 5.7 8.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.302 ug/l

RT: 6.91 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

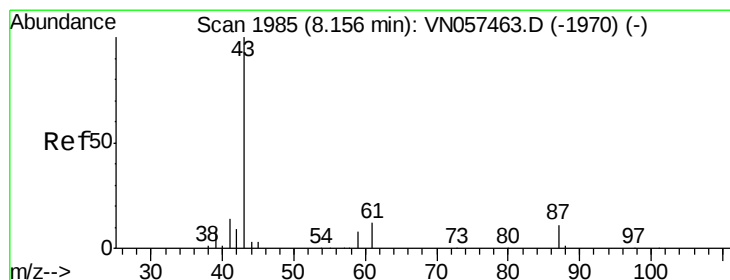
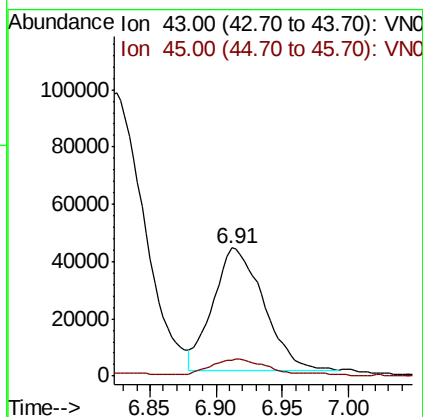
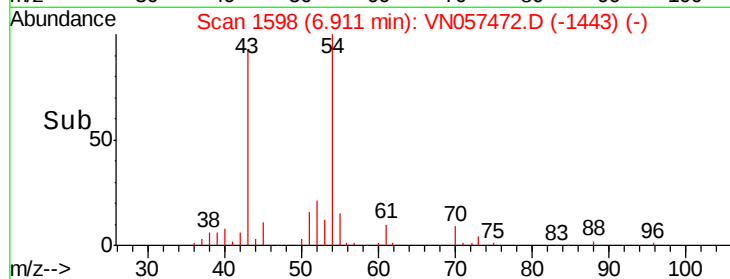
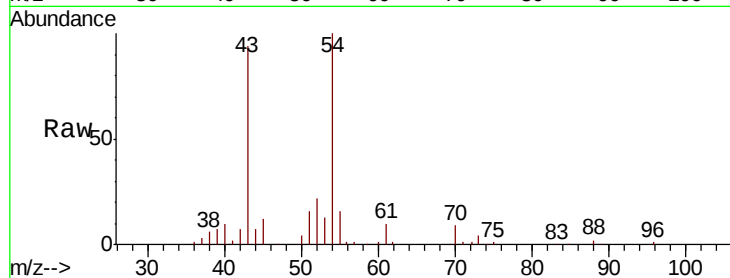
VN0823WBSD01

Tgt Ion: 43 Resp: 113893

Ion Ratio Lower Upper

43 100

45 12.9 11.0 16.4



#44

Isopropyl Acetate

Concen: 18.260 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057472.D

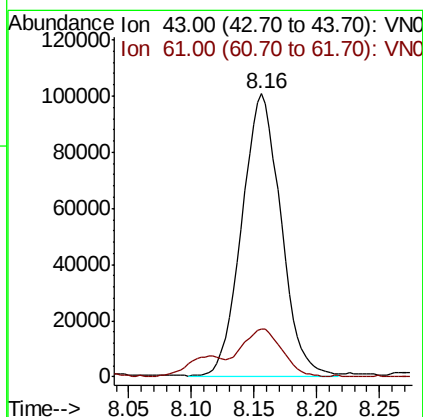
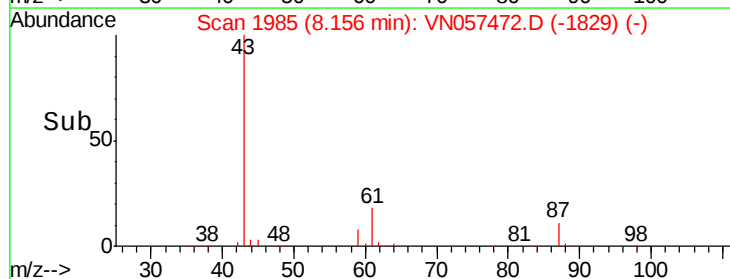
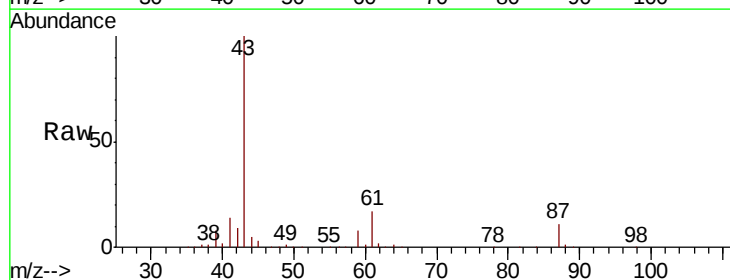
Acq: 23 Aug 2019 14:15

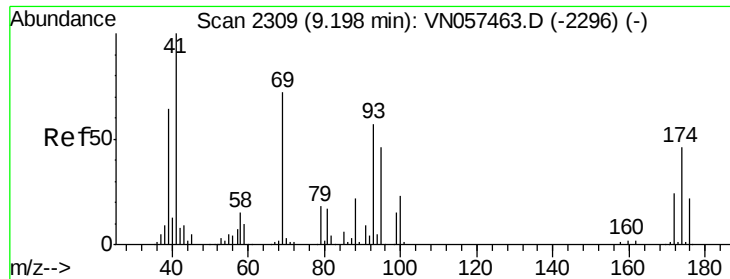
Tgt Ion: 43 Resp: 216916

Ion Ratio Lower Upper

43 100

61 17.5 0.1 0.1#

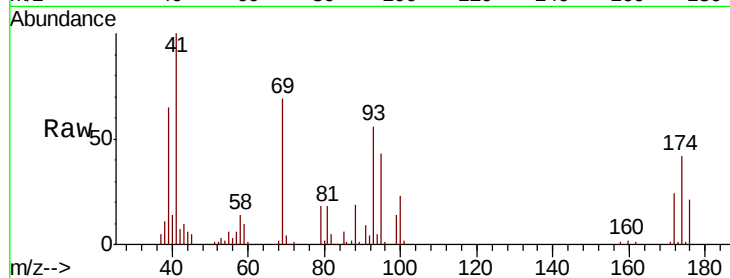




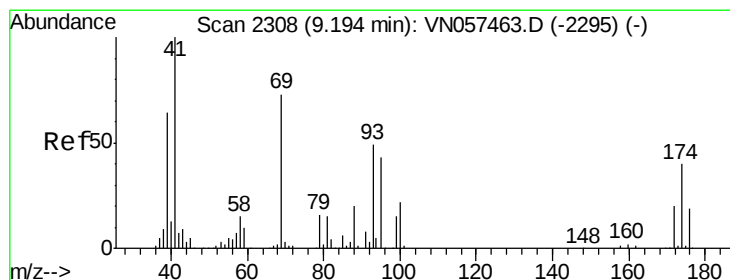
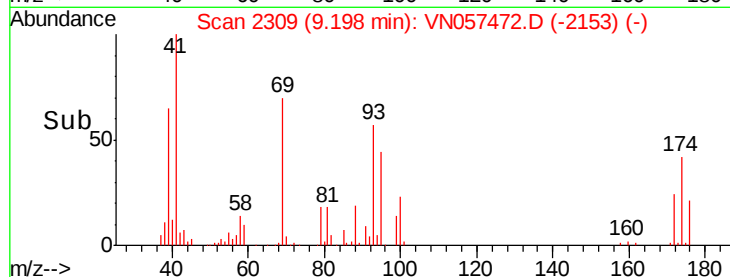
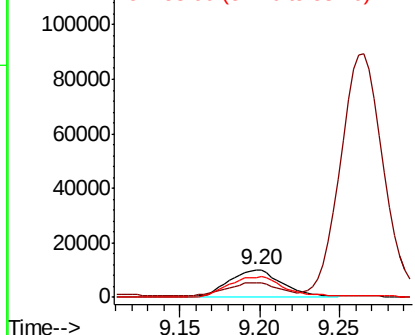
#45
 1,4-Dioxane
 Concen: 325.999 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

Tgt Ion: 88 Resp: 23278
 Ion Ratio Lower Upper
 88 100
 43 42.2 29.8 44.6
 58 78.4 62.2 93.2

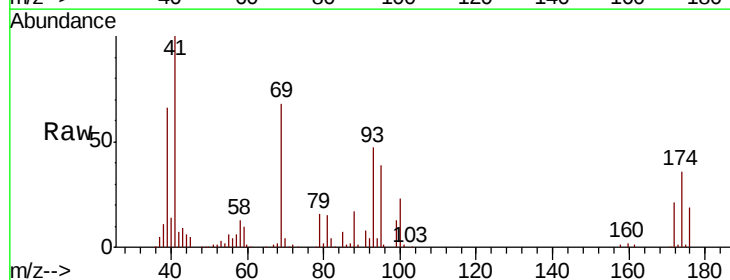


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

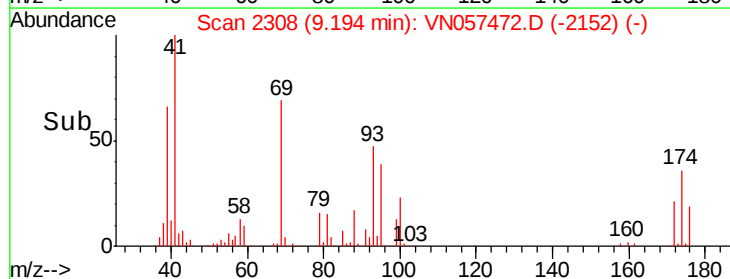
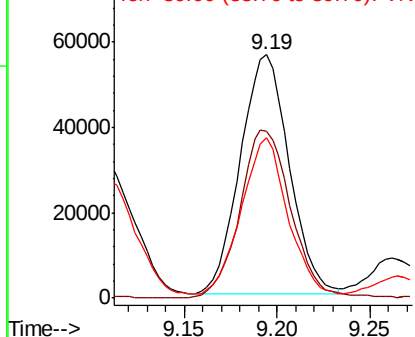


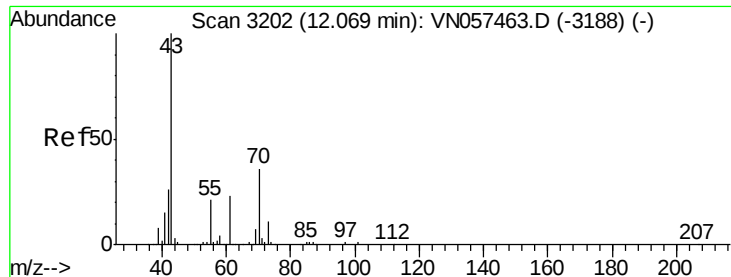
#46
 Methyl methacrylate
 Concen: 18.252 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 41 Resp: 102972
 Ion Ratio Lower Upper
 41 100
 69 69.4 36.5 109.5
 39 65.1 32.1 96.3



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





#47

n-amyl Acetate

Concen: 18.002 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

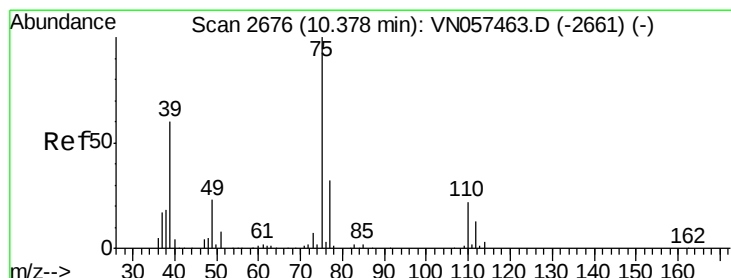
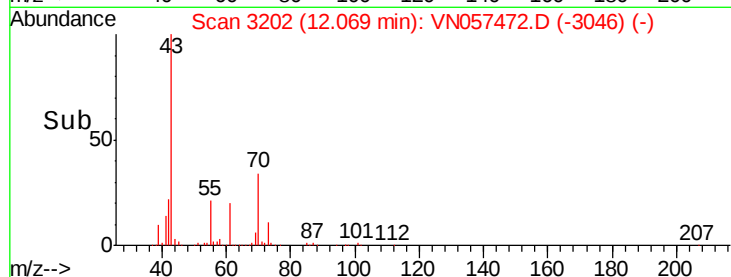
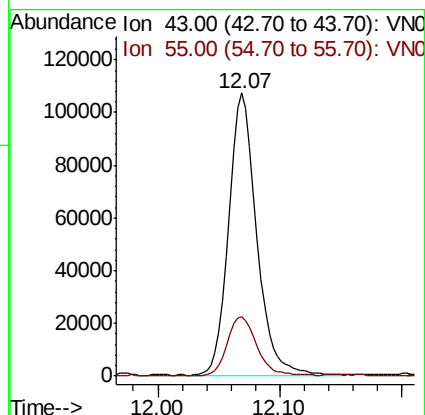
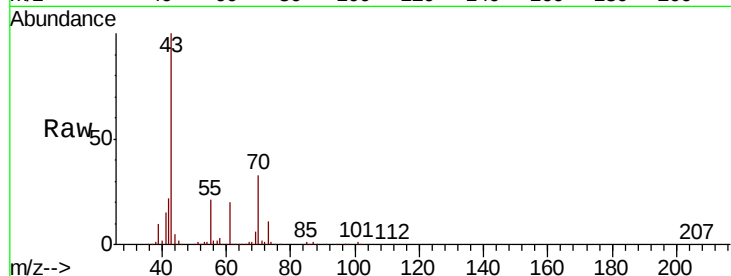
VN0823WBSD01

Tgt Ion: 43 Resp: 172119

Ion Ratio Lower Upper

43 100

55 22.0 17.0 25.6



#48

t-1,3-Dichloropropene

Concen: 17.156 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057472.D

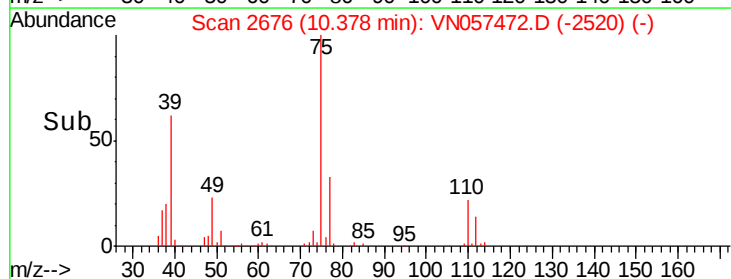
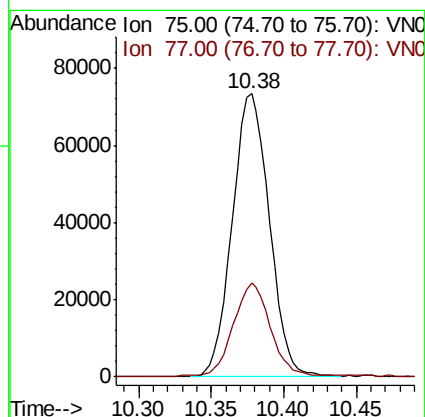
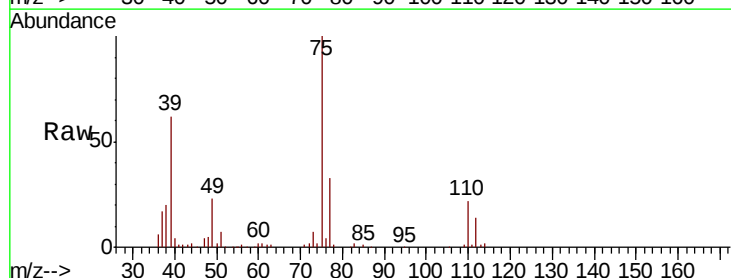
Acq: 23 Aug 2019 14:15

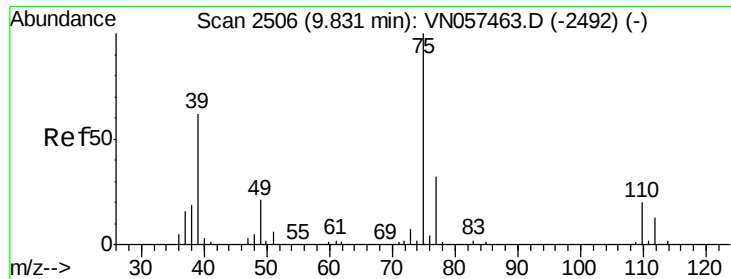
Tgt Ion: 75 Resp: 130614

Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5



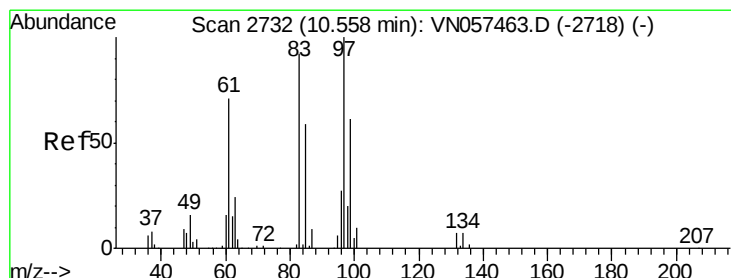
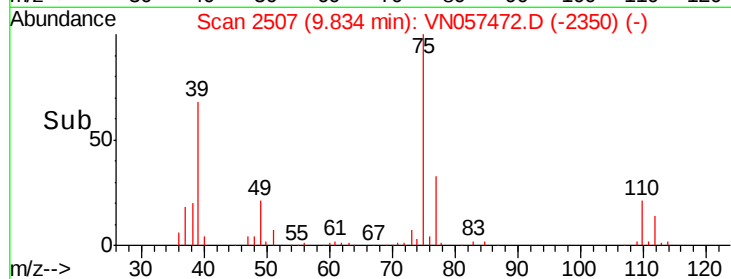
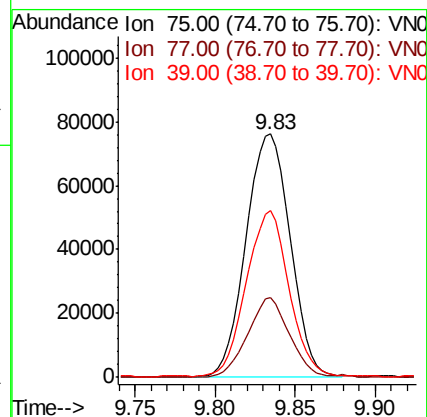
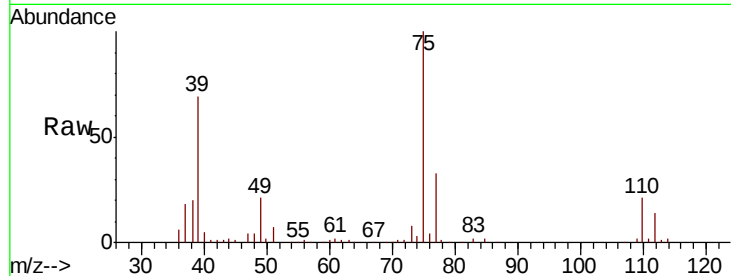


#49

cis-1,3-Dichloropropene
 Concen: 17.271 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

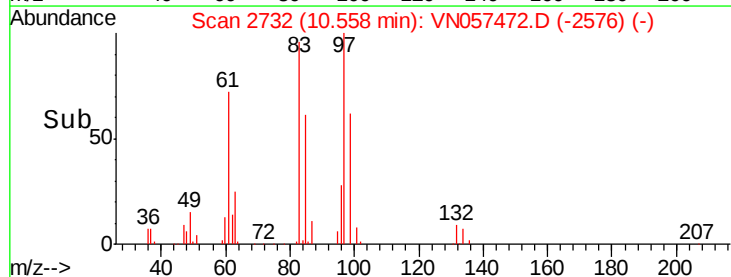
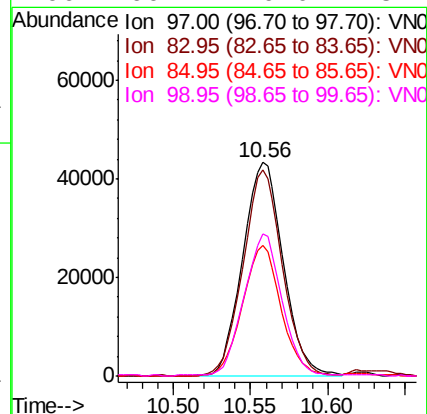
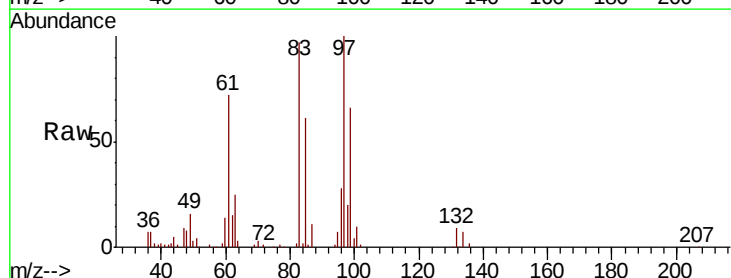
Tgt Ion: 75 Resp: 144526
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.0
 39 68.1 49.8 74.6

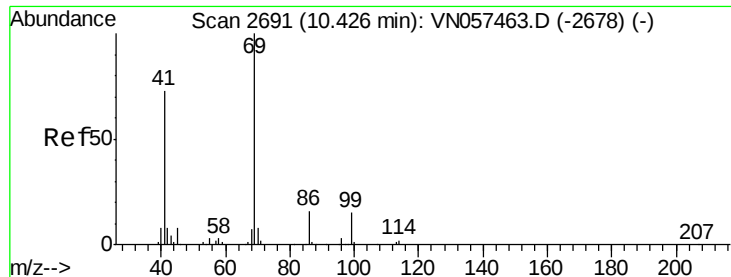


#50

1,1,2-Trichloroethane
 Concen: 17.776 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 97 Resp: 79205
 Ion Ratio Lower Upper
 97 100
 83 96.6 73.2 109.8
 85 61.2 47.1 70.7
 99 66.1 49.0 73.4





#51

Ethyl methacrylate

Concen: 17.986 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0823WBSD01

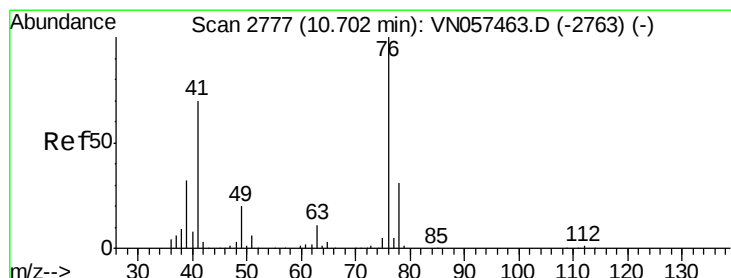
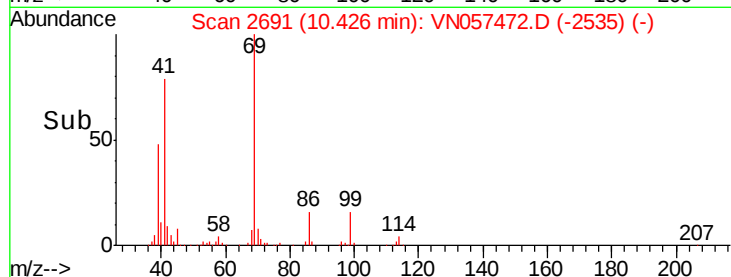
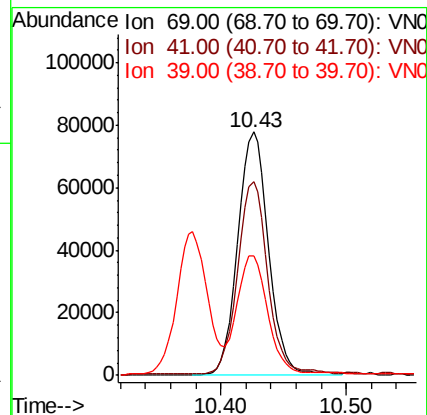
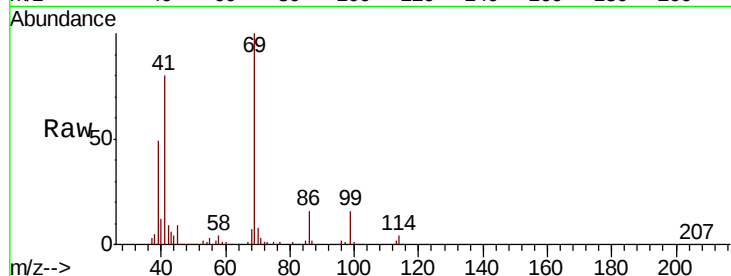
Tgt Ion: 69 Resp: 133222

Ion Ratio Lower Upper

69 100

41 78.9 37.0 111.1

39 47.9 24.4 73.4



#52

1,3-Dichloropropane

Concen: 18.312 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057472.D

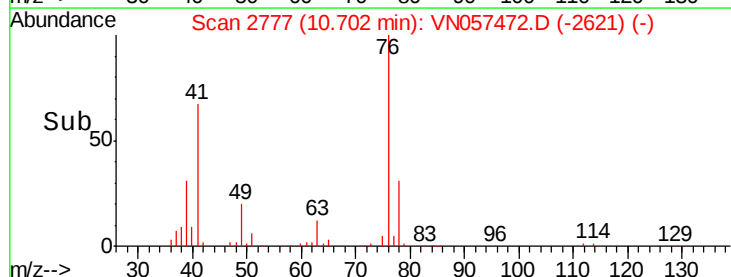
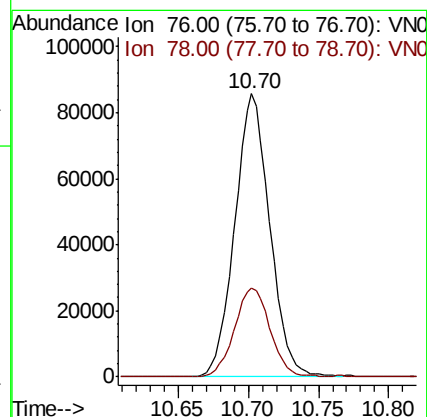
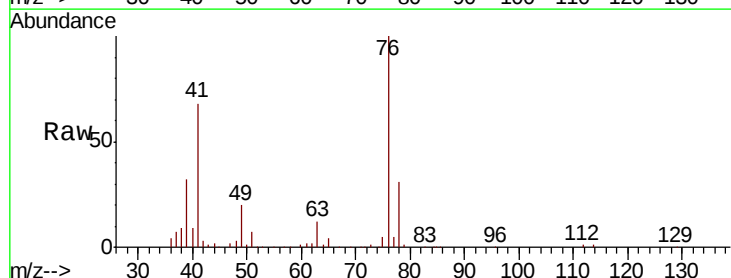
Acq: 23 Aug 2019 14:15

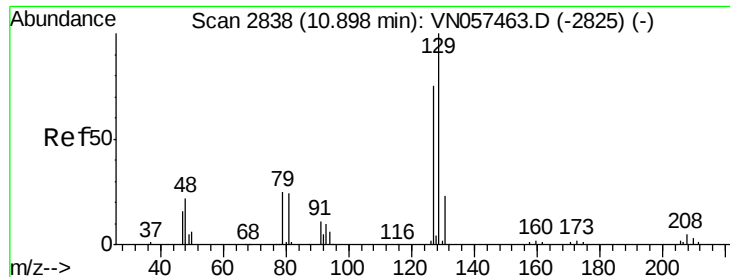
Tgt Ion: 76 Resp: 148763

Ion Ratio Lower Upper

76 100

78 32.0 0.0 63.0





#53

Dibromochloromethane

Concen: 17.306 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

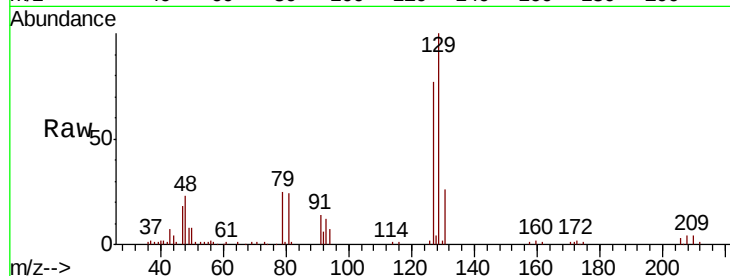
VN0823WBSD01

Tgt Ion:129 Resp: 82208

Ion Ratio Lower Upper

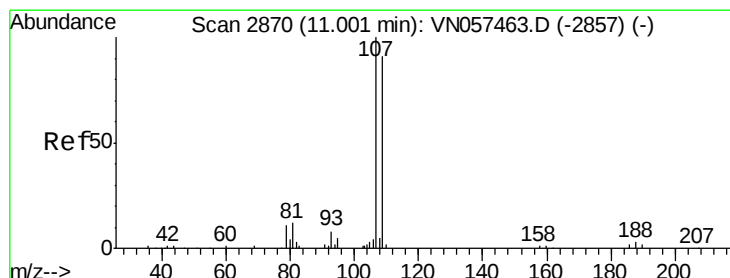
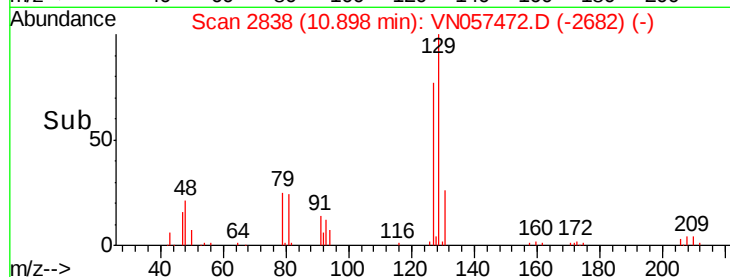
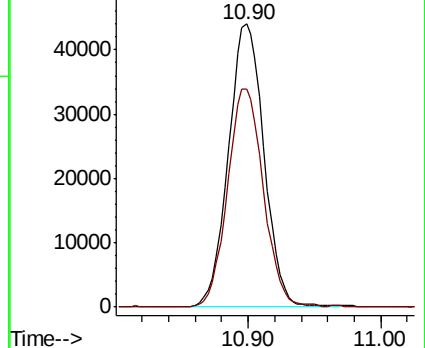
129 100

127 77.3 38.1 114.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.498 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057472.D

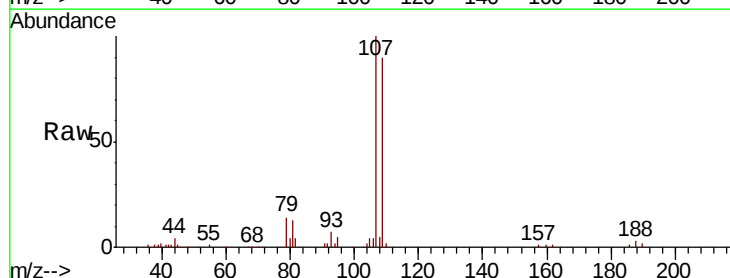
Acq: 23 Aug 2019 14:15

Tgt Ion:107 Resp: 79778

Ion Ratio Lower Upper

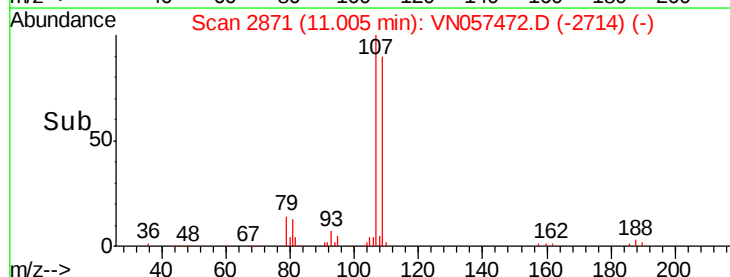
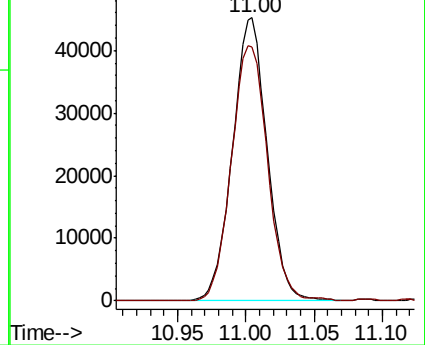
107 100

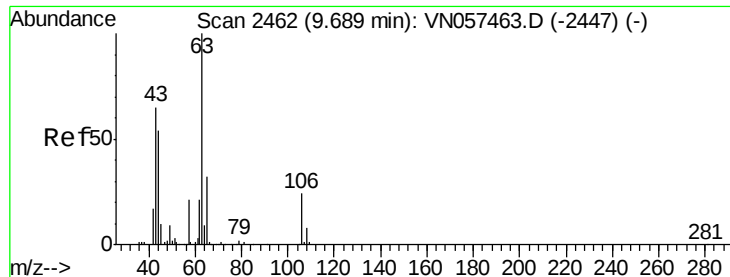
109 93.6 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

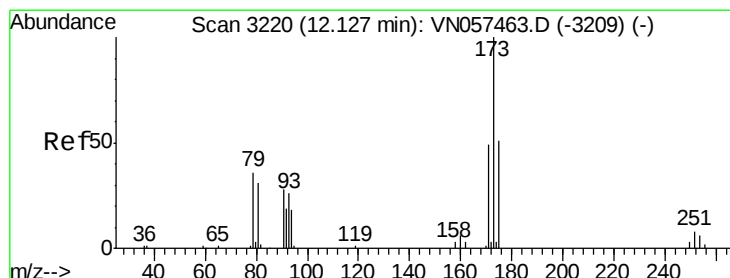
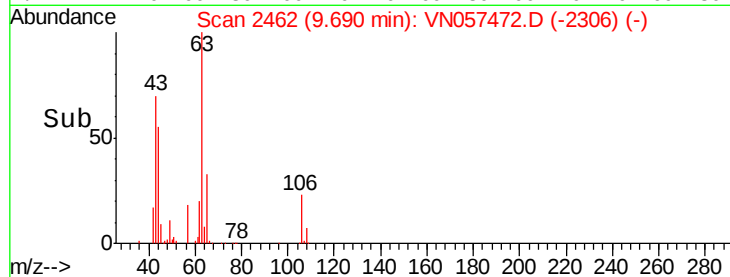
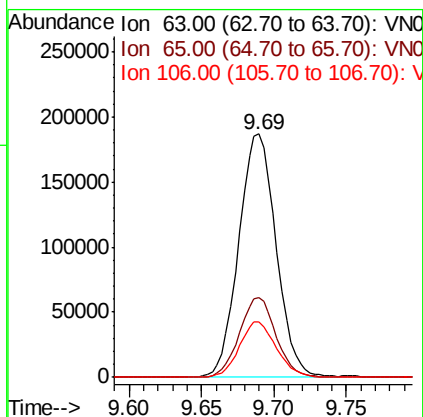
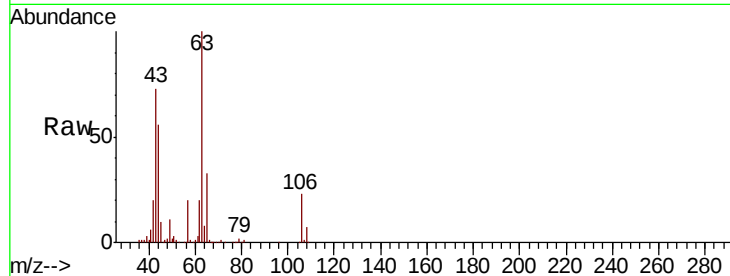




#55
 2-Chloroethyl vinyl ether
 Concen: 183.421 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

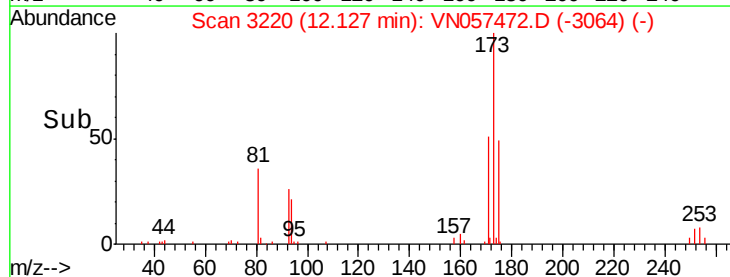
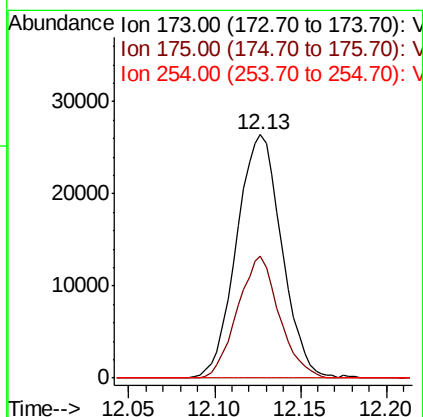
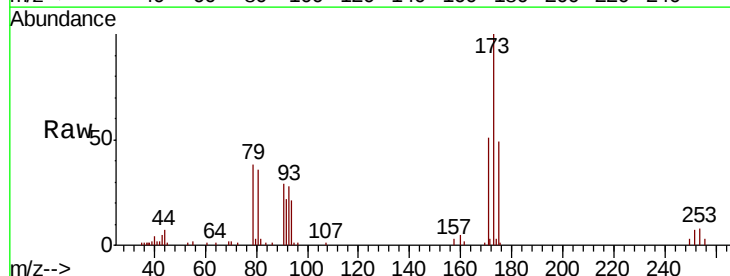
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

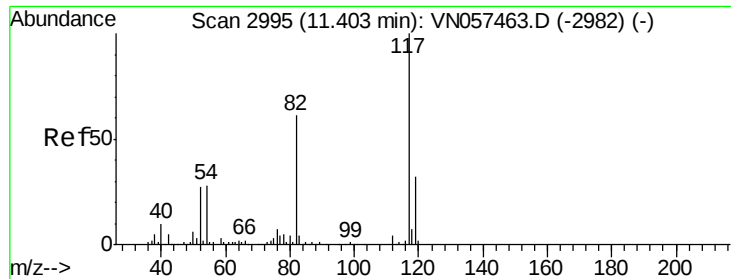
Tgt Ion: 63 Resp: 334899
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.1 37.7
 106 22.5 18.7 28.1



#56
 Bromoform
 Concen: 17.015 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 173 Resp: 48238
 Ion Ratio Lower Upper
 173 100
 175 46.2 40.1 60.1
 254 0.0 0.0 0.0

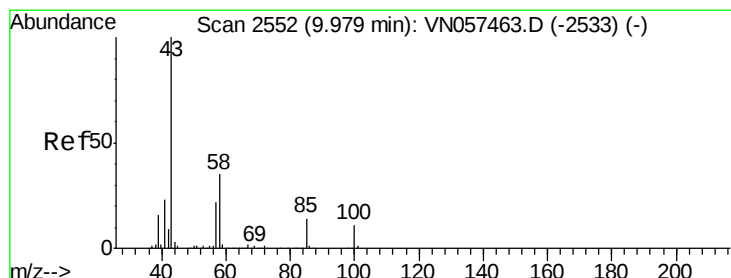
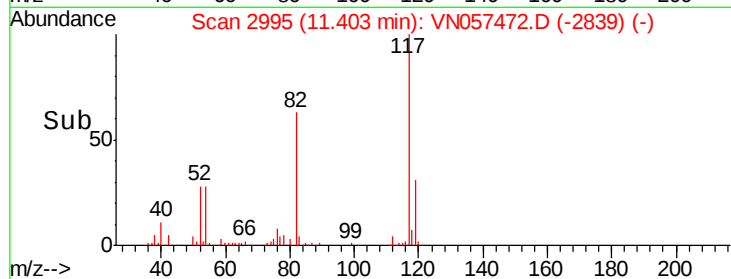
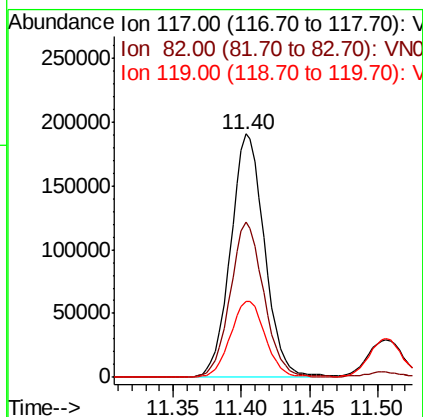
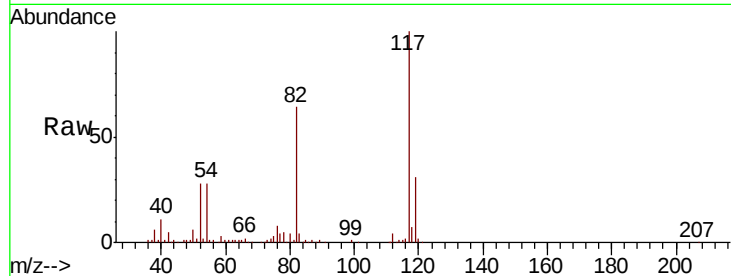




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

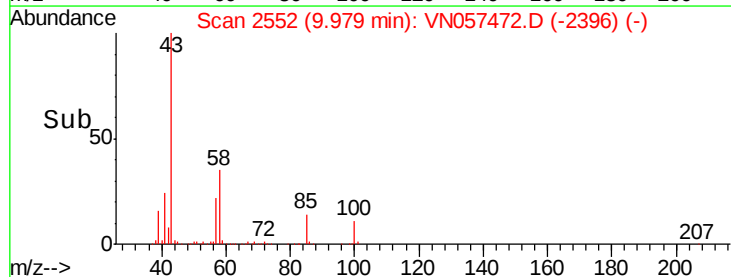
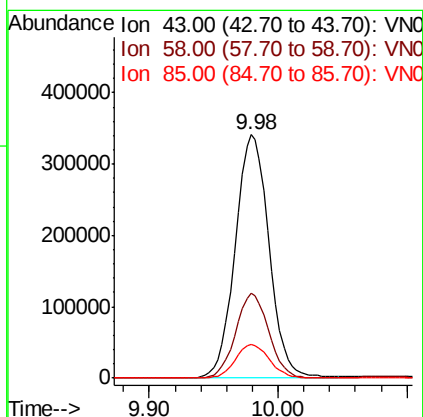
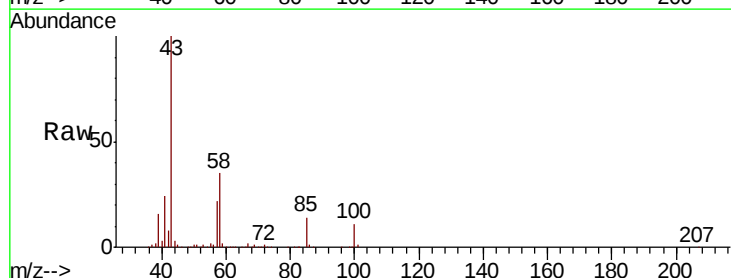
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

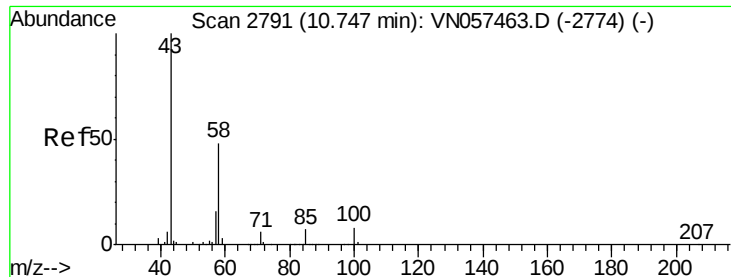
Tgt Ion: 117 Resp: 329472
Ion Ratio Lower Upper
117 100
82 63.3 50.4 75.6
119 32.1 25.4 38.2



#58
4-Methyl-2-Pentanone
Concen: 95.477 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion: 43 Resp: 617113
Ion Ratio Lower Upper
43 100
58 34.3 28.0 42.0
85 14.0 11.3 16.9

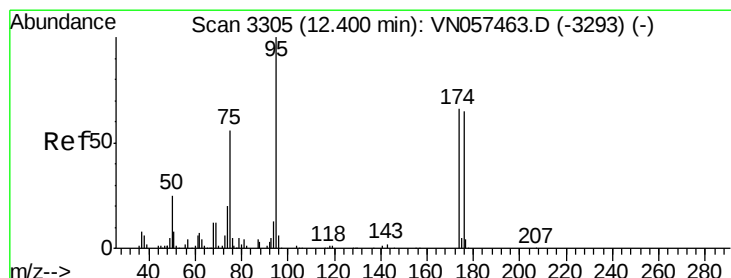
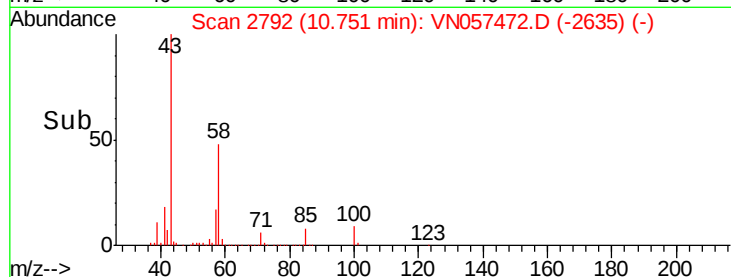
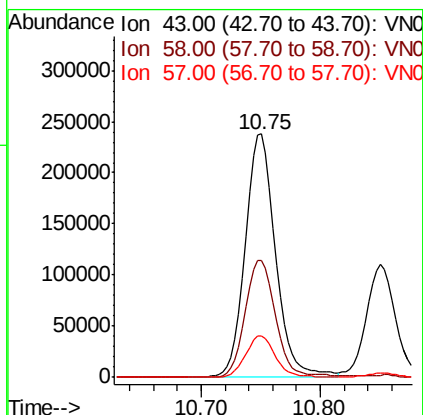
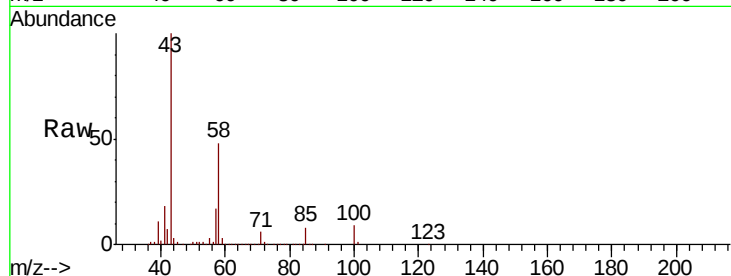




#59
2-Hexanone
Concen: 93.336 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

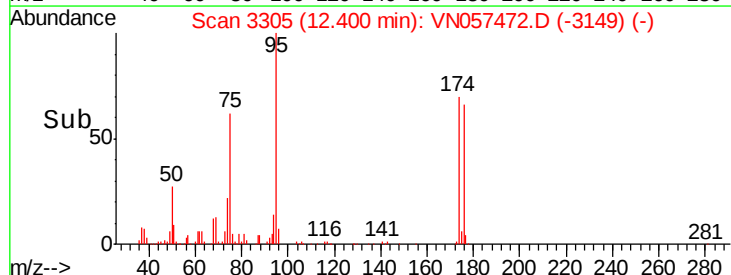
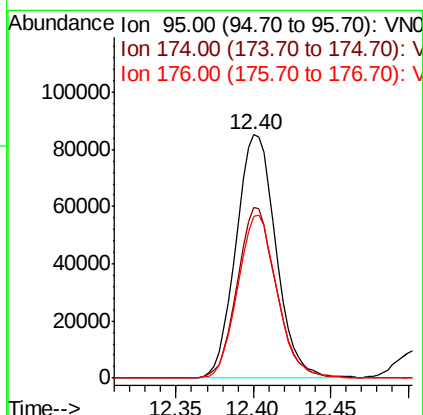
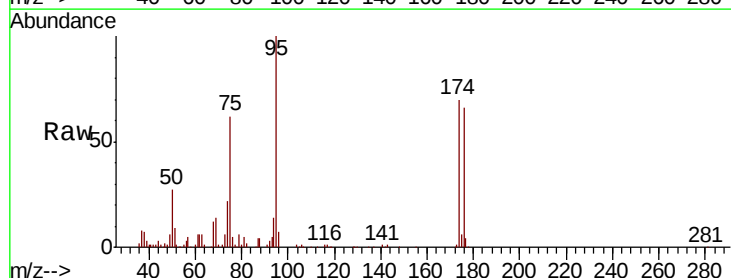
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

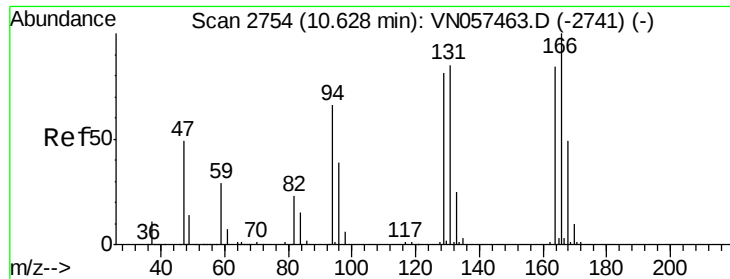
Tgt Ion: 43 Resp: 418150
Ion Ratio Lower Upper
43 100
58 48.6 38.9 58.3
57 16.3 13.0 19.4



#60
4-Bromofluorobenzene
Concen: 28.136 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion: 95 Resp: 152864
Ion Ratio Lower Upper
95 100
174 68.6 54.9 82.3
176 66.0 54.2 81.4





#61

Tetrachloroethene

Concen: 19.265 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

Tgt Ion:164 Resp: 72792

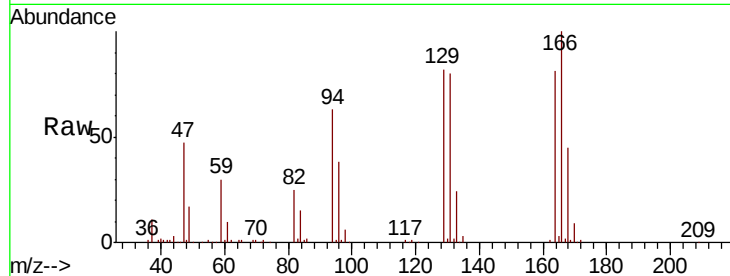
Ion Ratio Lower Upper

164 100

166 124.2 95.8 143.6

129 101.8 77.2 115.8

131 98.9 81.1 121.7

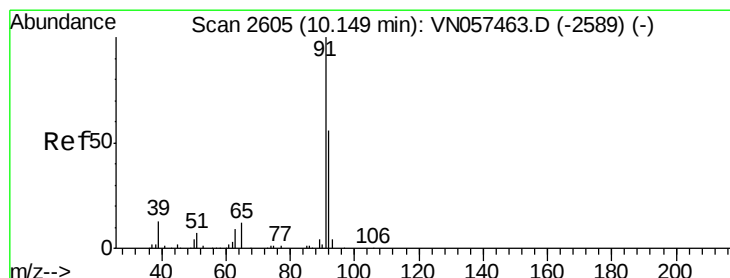
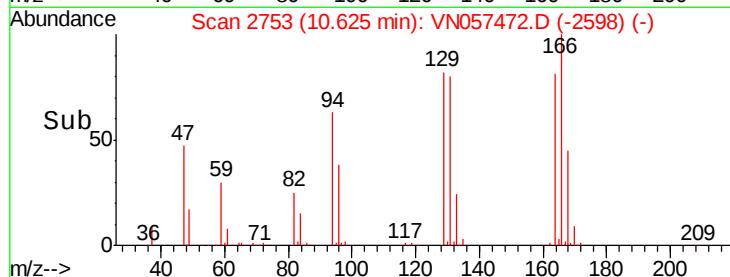
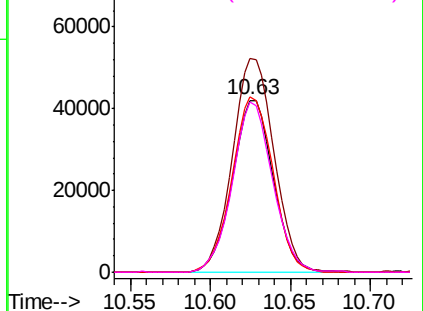


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.060 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057472.D

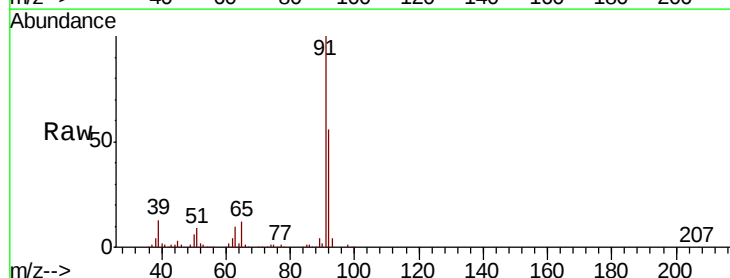
Acq: 23 Aug 2019 14:15

Tgt Ion: 91 Resp: 363659

Ion Ratio Lower Upper

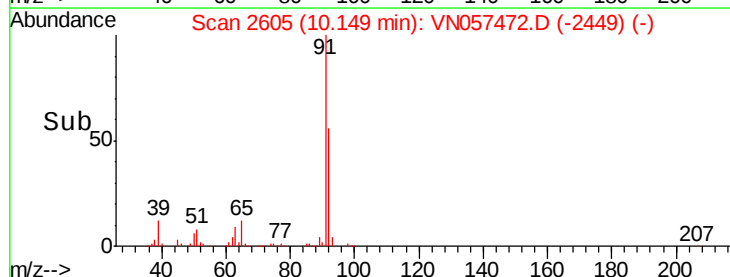
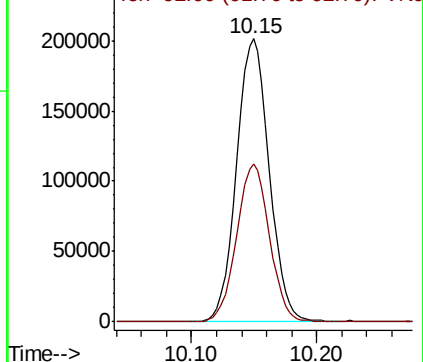
91 100

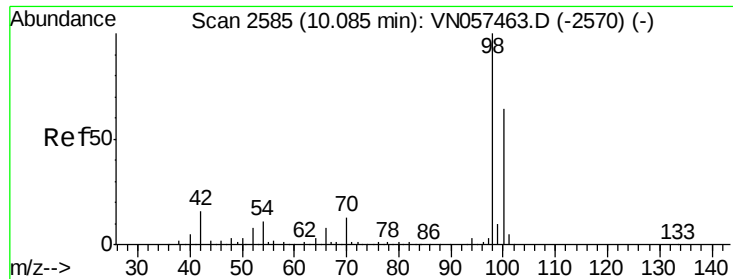
92 56.1 45.4 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.634 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

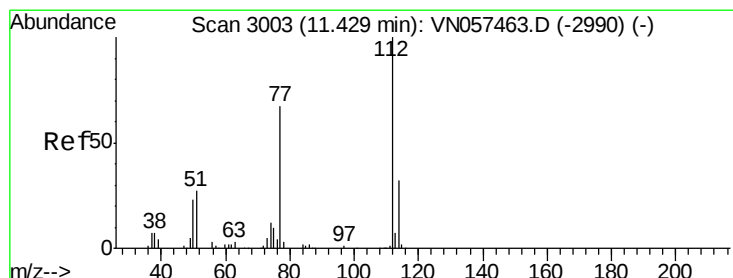
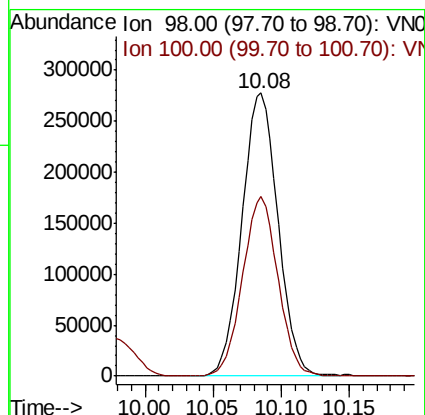
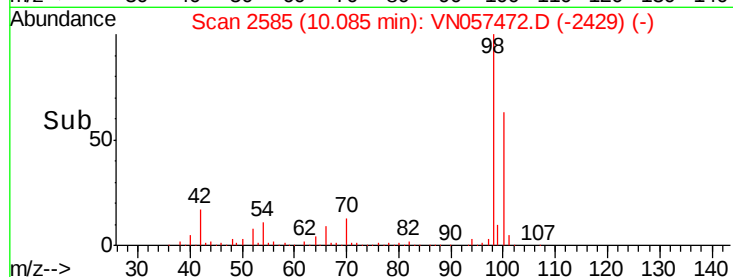
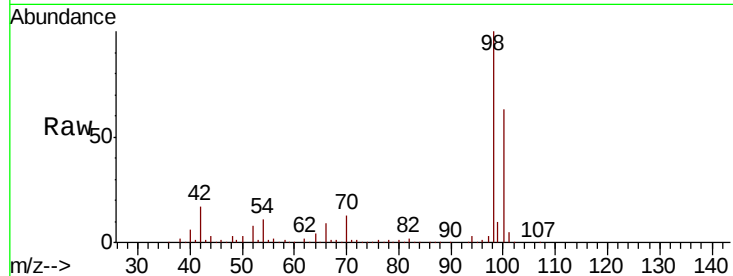
VN0823WBSD01

Tgt Ion: 98 Resp: 509695

Ion Ratio Lower Upper

98 100

100 62.3 51.0 76.6



#64

Chlorobenzene

Concen: 18.221 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN057472.D

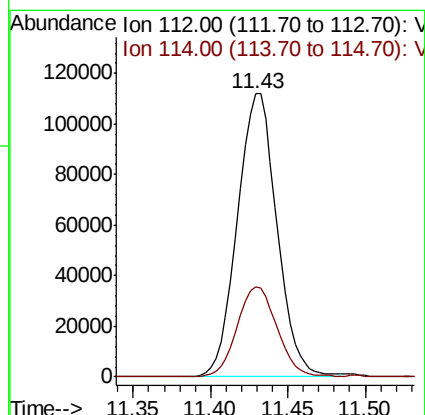
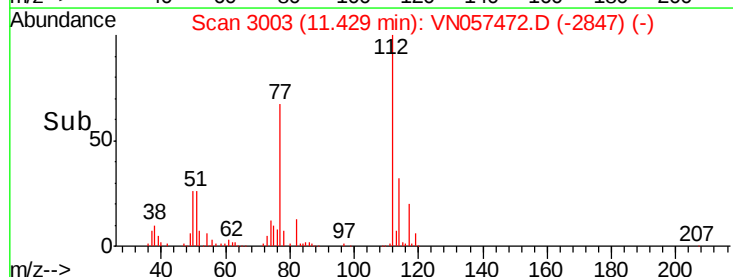
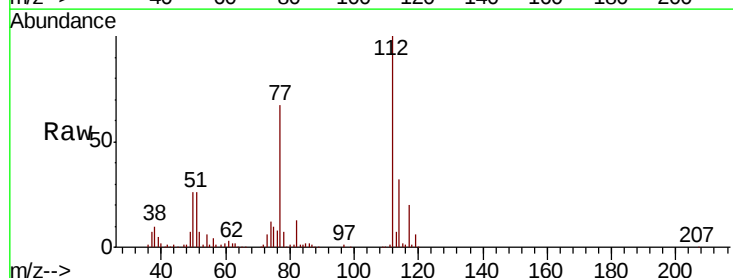
Acq: 23 Aug 2019 14:15

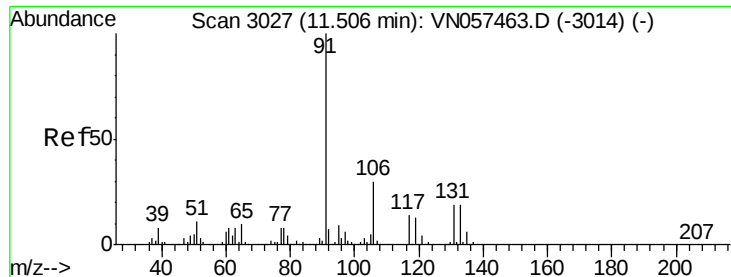
Tgt Ion: 112 Resp: 199472

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 18.319 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0823WBSD01

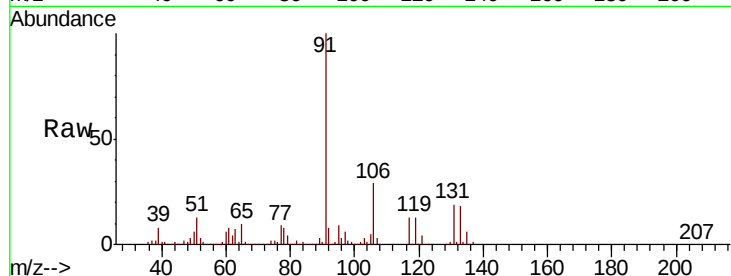
Tgt Ion:131 Resp: 76211

Ion Ratio Lower Upper

131 100

133 93.3 0.0 193.6

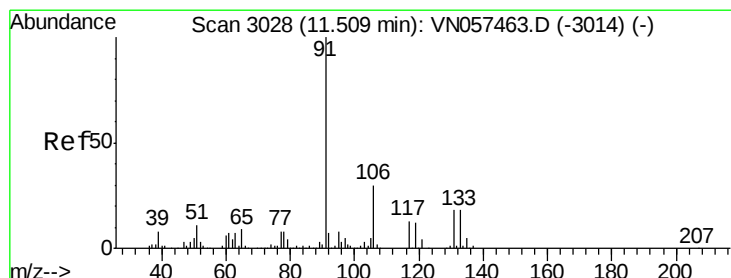
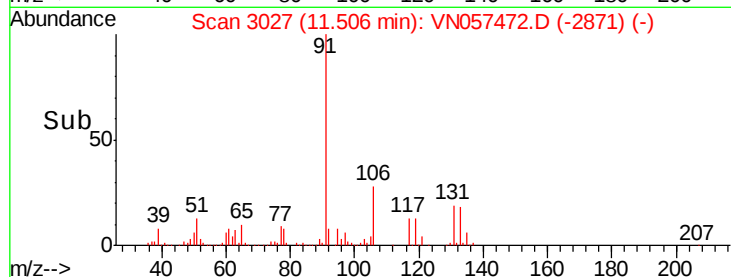
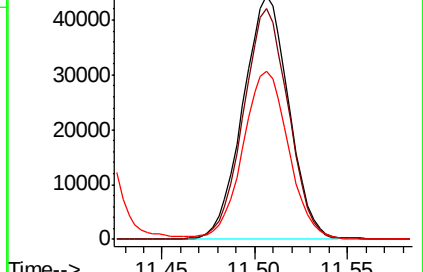
119 69.0 0.0 137.4



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: 17.863 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057472.D

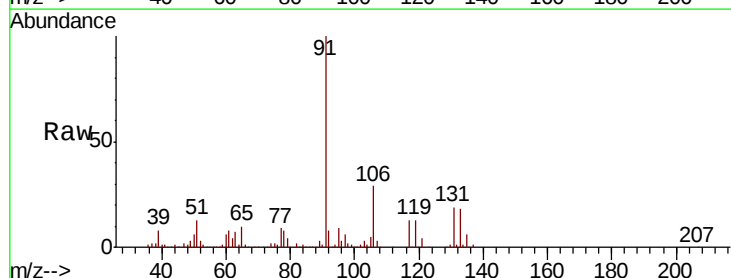
Acq: 23 Aug 2019 14:15

Tgt Ion: 91 Resp: 384960

Ion Ratio Lower Upper

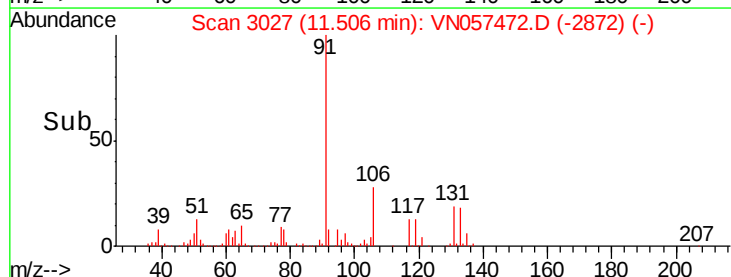
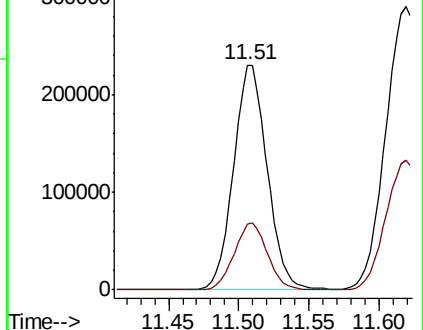
91 100

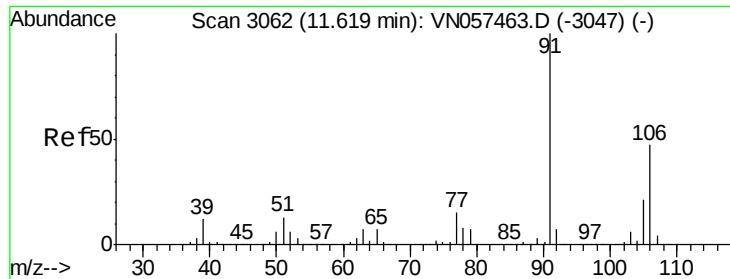
106 29.1 23.6 35.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

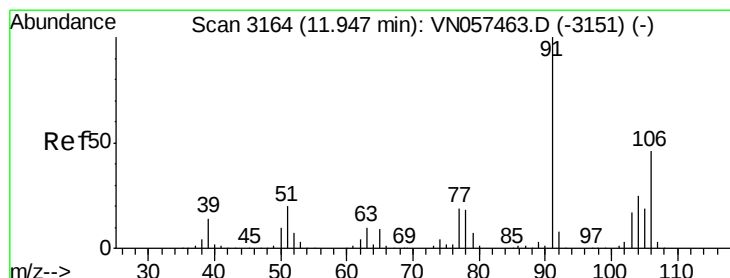
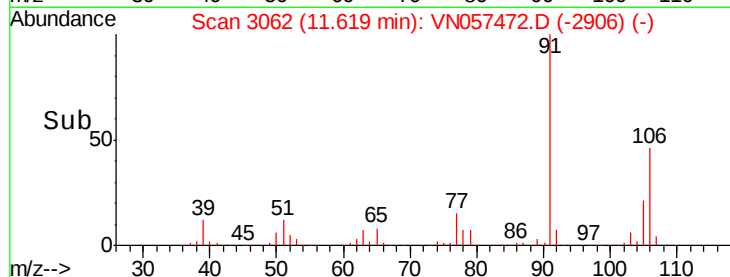
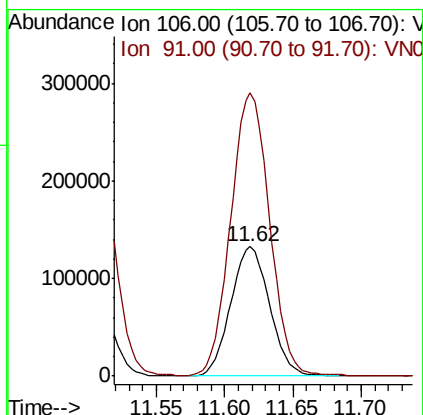
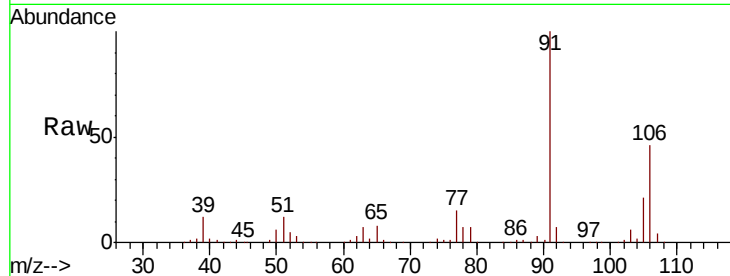




#67
m/p-Xylenes
Concen: 34.881 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

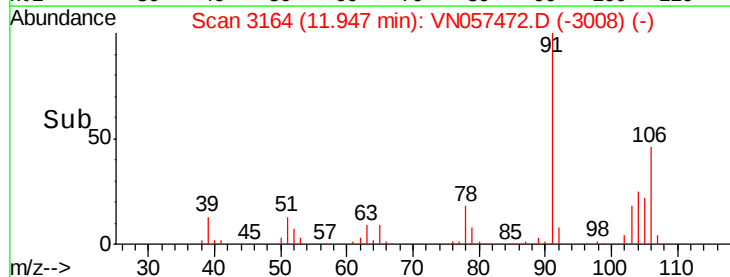
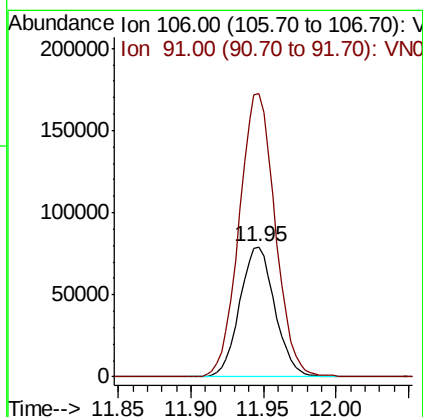
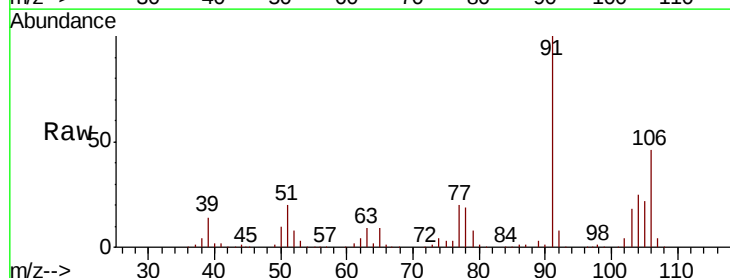
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

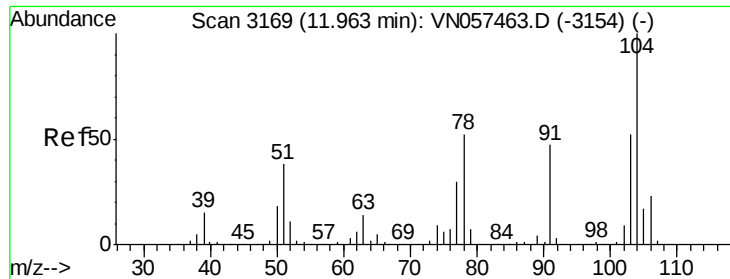
Tgt Ion:106 Resp: 260728
Ion Ratio Lower Upper
106 100
91 221.7 172.9 259.3



#68
o-Xylene
Concen: 18.073 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion:106 Resp: 133501
Ion Ratio Lower Upper
106 100
91 223.1 111.1 333.4

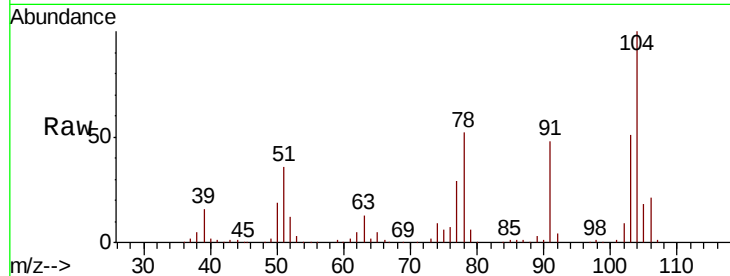




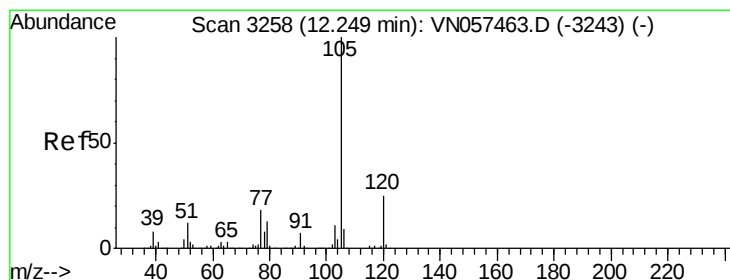
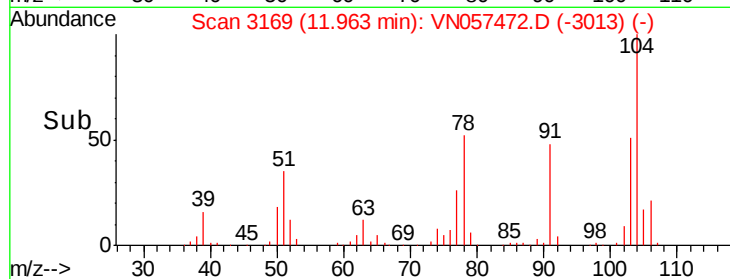
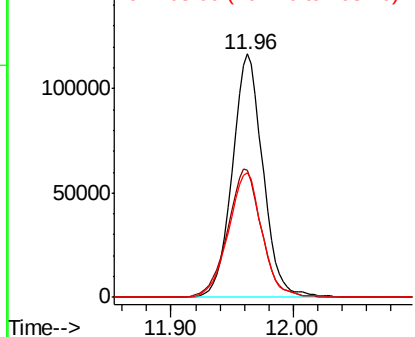
#69
Styrene
Concen: 17.232 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampled :
VN0823WBSD01

Tgt Ion:104 Resp: 203340
Ion Ratio Lower Upper
104 100
78 58.6 46.5 69.7
103 56.4 45.9 68.9

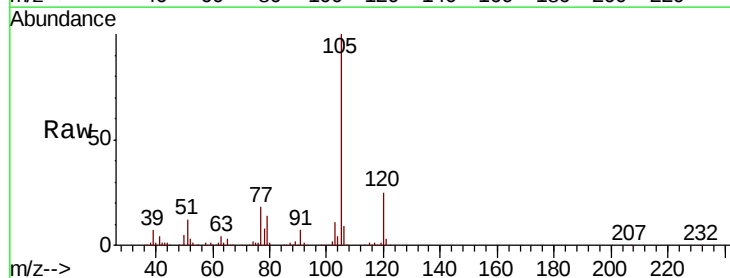


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

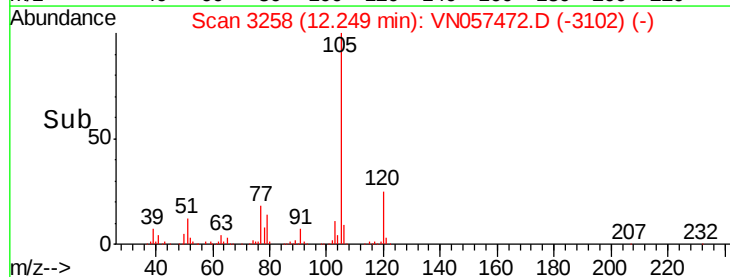
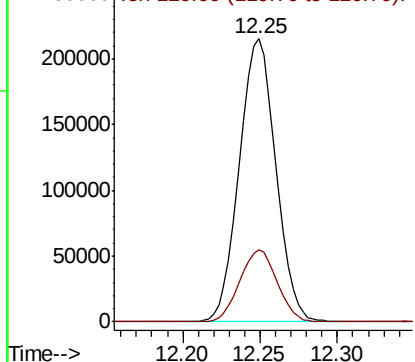


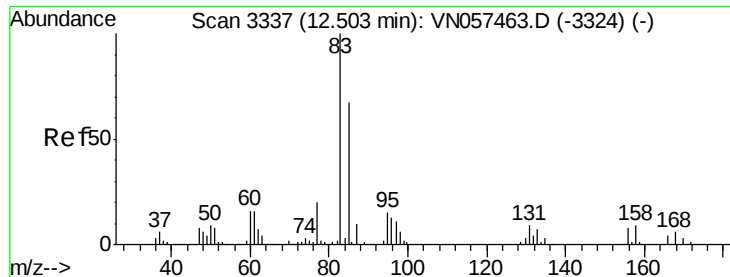
#70
Isopropylbenzene
Concen: 17.952 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion:105 Resp: 354737
Ion Ratio Lower Upper
105 100
120 26.1 17.8 33.1



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

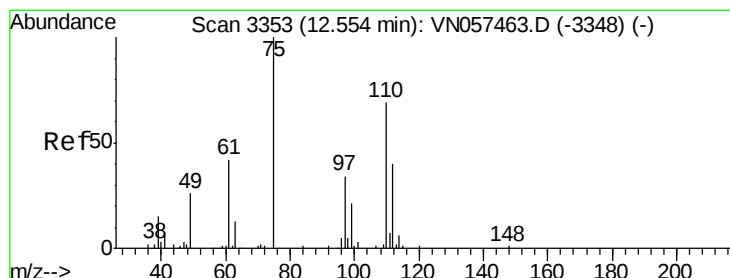
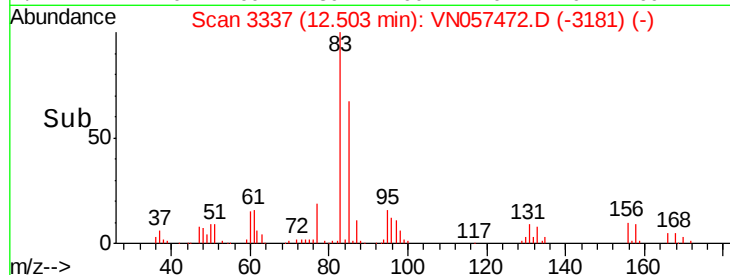
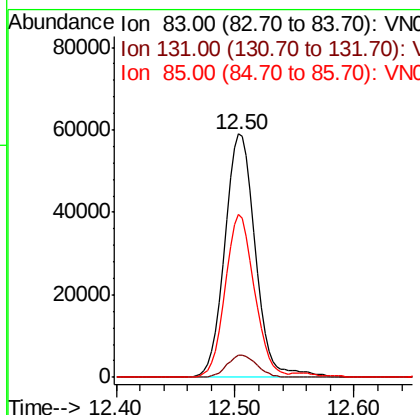
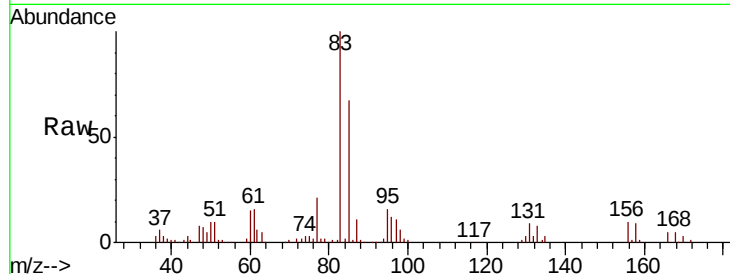




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.409 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

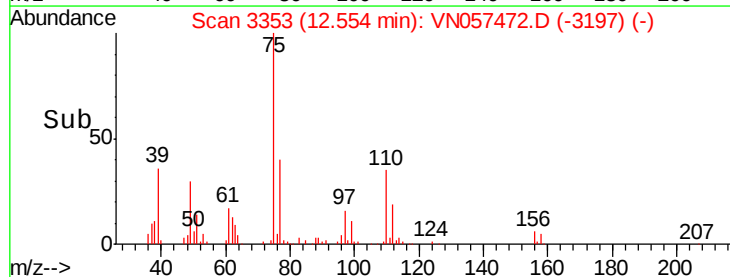
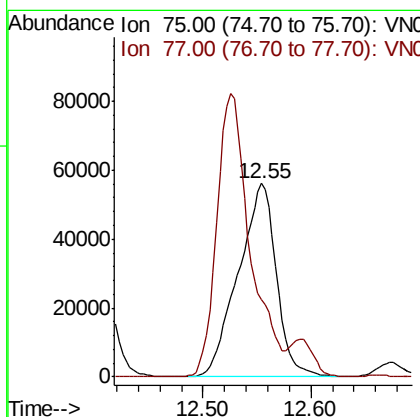
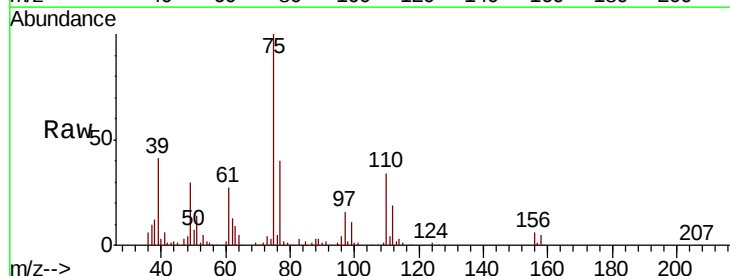
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

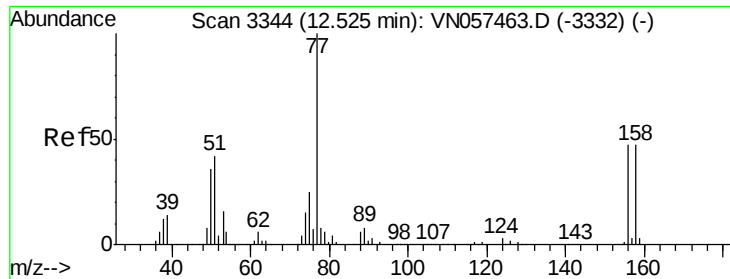
Tgt Ion: 83 Resp: 105199
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.7 14.1
 85 63.8 33.1 99.2



#72
 1,2,3-Trichloropropane
 Concen: 26.498 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 75 Resp: 137457
 Ion Ratio Lower Upper
 75 100
 77 129.2 0.0 380.2





#73

Bromobenzene

Concen: 17.692 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0823WBSD01

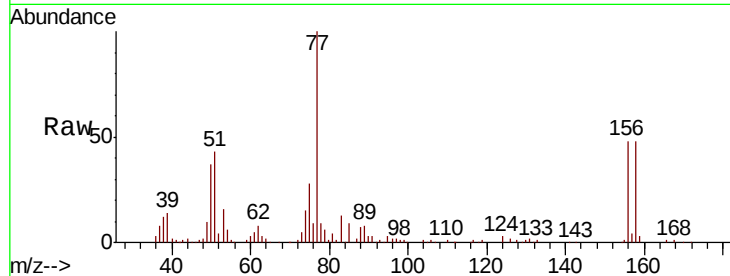
Tgt Ion:156 Resp: 70764

Ion Ratio Lower Upper

156 100

77 250.9 0.0 506.8

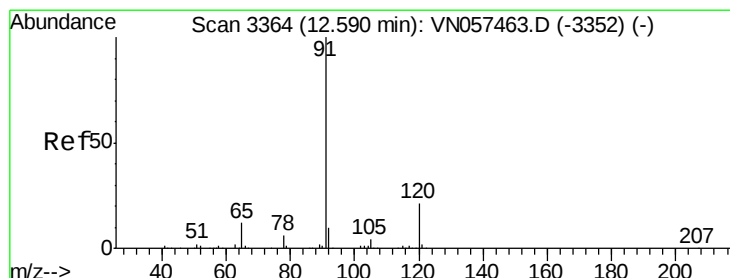
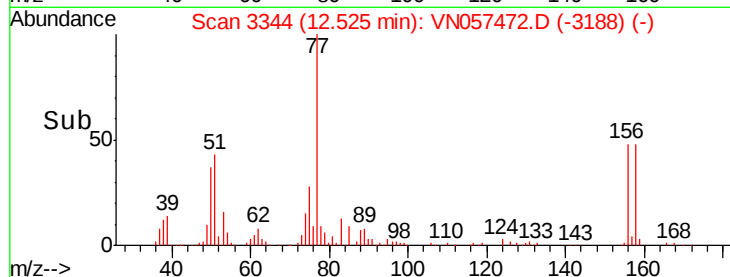
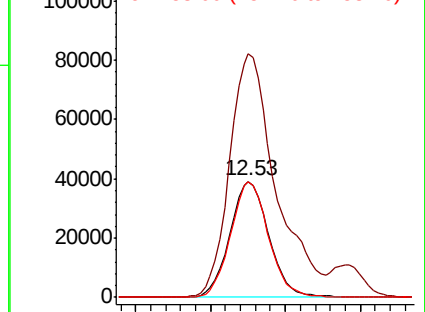
158 97.1 0.0 196.6



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: 16.899 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057472.D

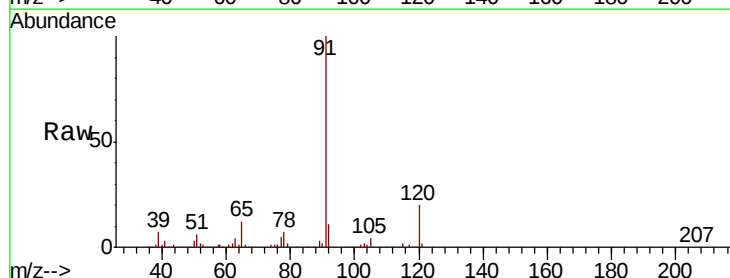
Acq: 23 Aug 2019 14:15

Tgt Ion: 91 Resp: 380781

Ion Ratio Lower Upper

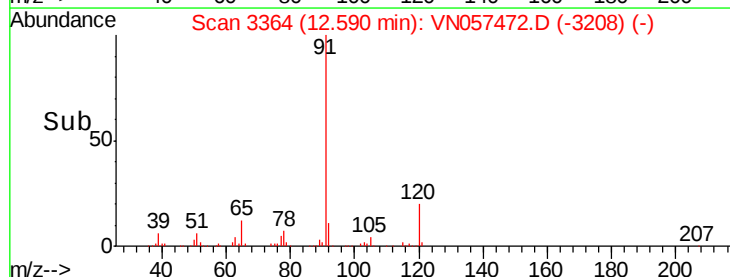
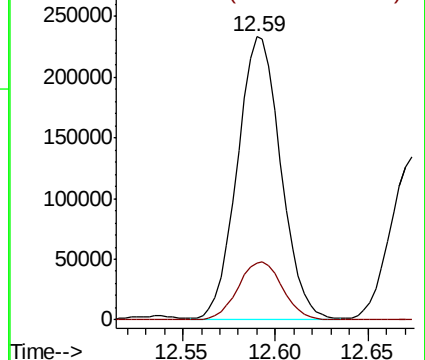
91 100

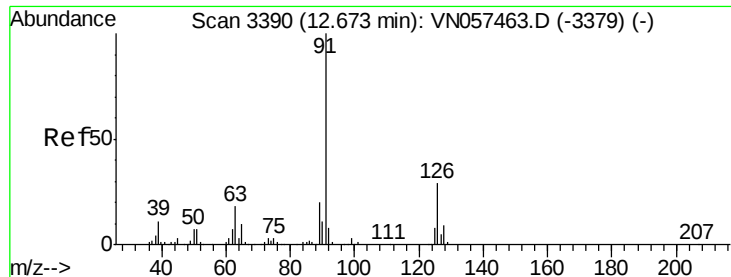
120 21.0 0.0 42.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 17.538 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057472.D

Acq: 23 Aug 2019 14:15

Instrument :

MSVOA_N

ClientSampleId :

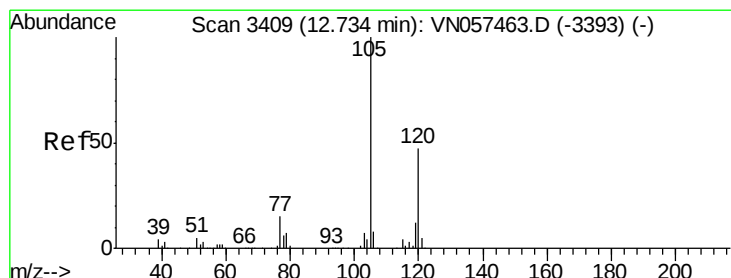
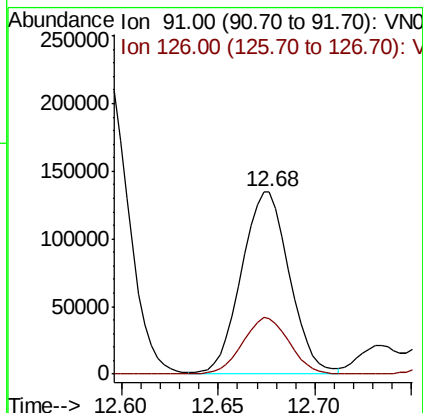
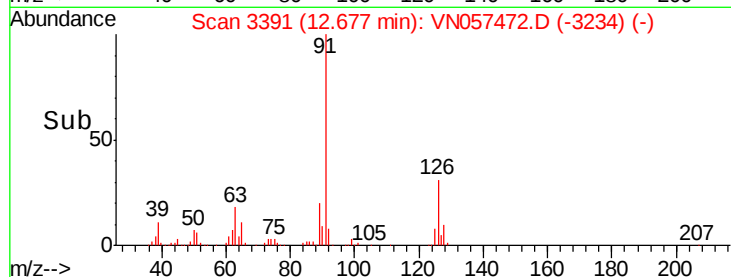
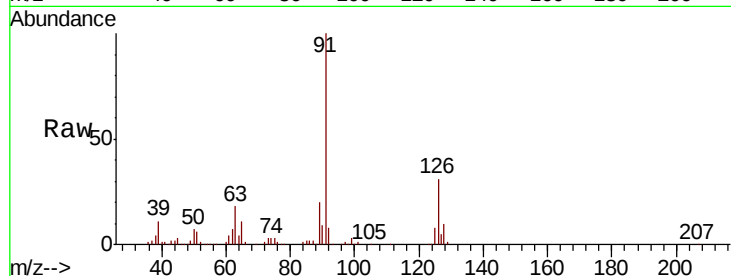
VN0823WBSD01

Tgt Ion: 91 Resp: 232737

Ion Ratio Lower Upper

91 100

126 30.2 0.0 60.4



#76

1,3,5-Trimethylbenzene

Concen: 17.608 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057472.D

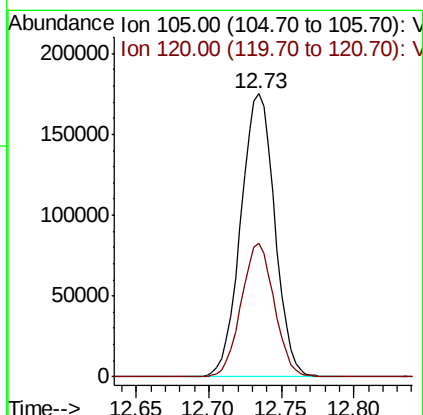
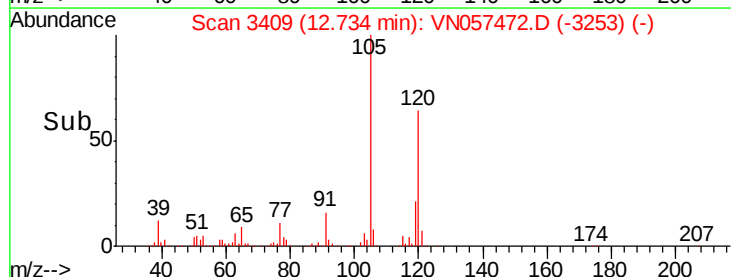
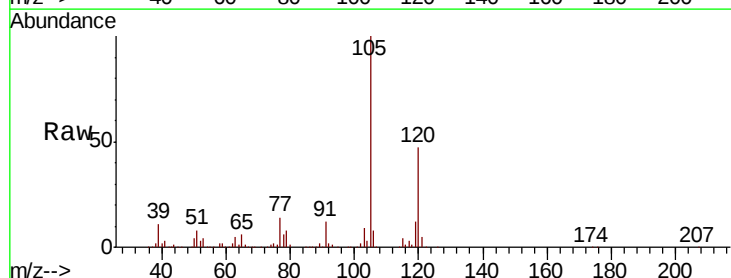
Acq: 23 Aug 2019 14:15

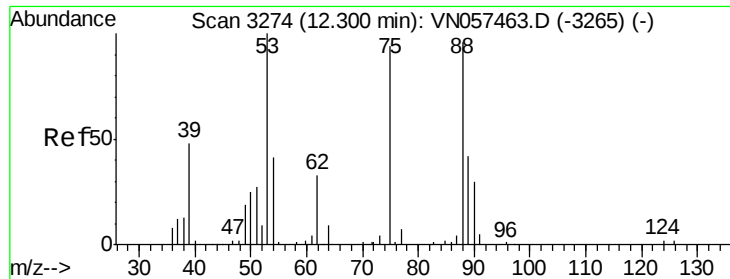
Tgt Ion: 105 Resp: 285551

Ion Ratio Lower Upper

105 100

120 45.8 0.0 94.4

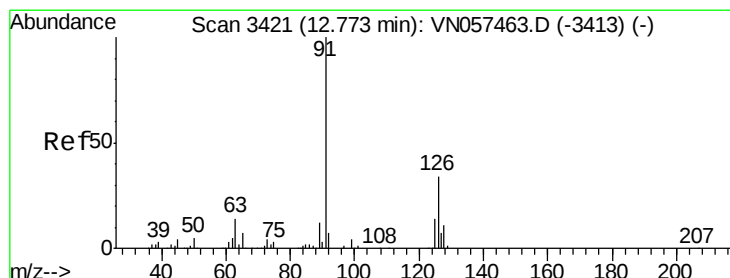
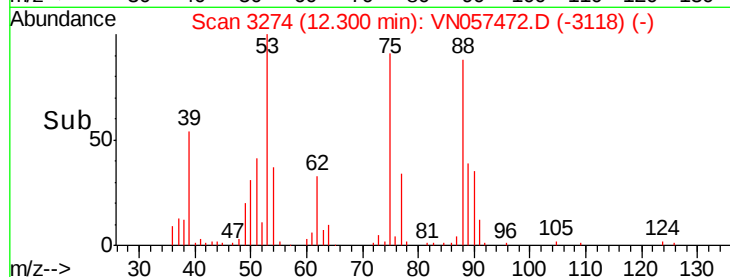
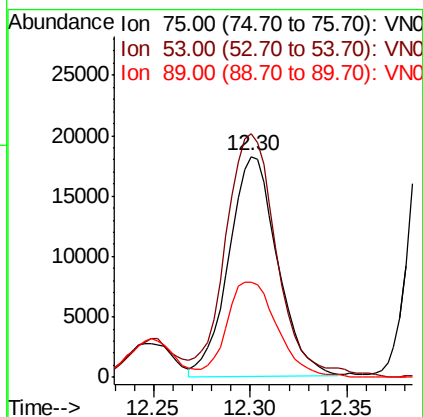
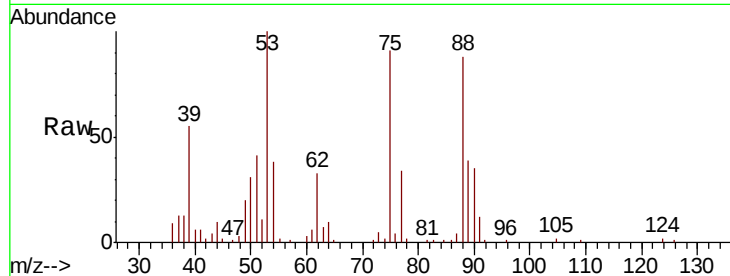




#77
t-1,4-Dichloro-2-butene
Concen: 17.182 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

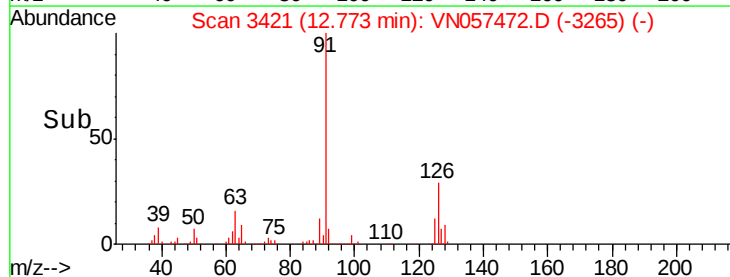
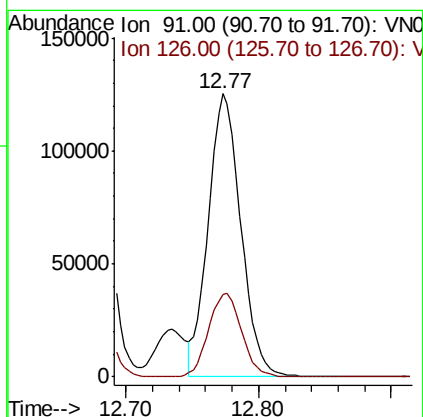
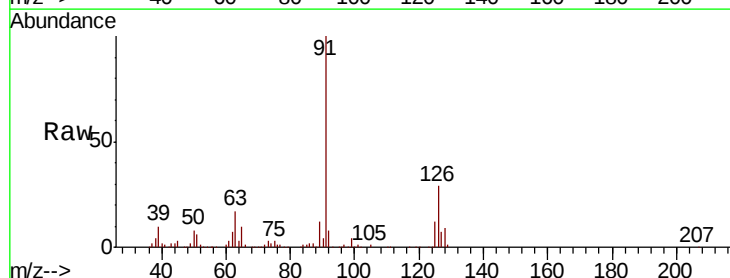
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

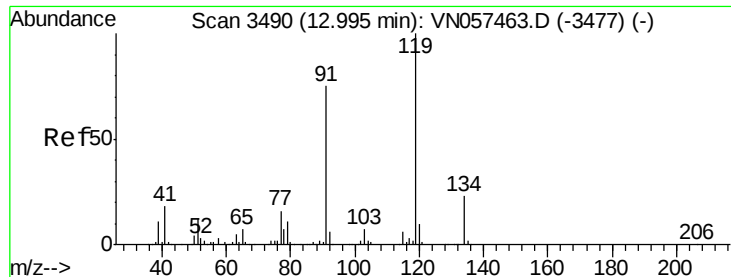
Tgt Ion: 75 Resp: 31964
Ion Ratio Lower Upper
75 100
53 107.6 55.6 166.9
89 42.3 23.8 71.4



#78
4-Chlorotoluene
Concen: 17.013 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion: 91 Resp: 213329
Ion Ratio Lower Upper
91 100
126 30.0 0.0 61.6

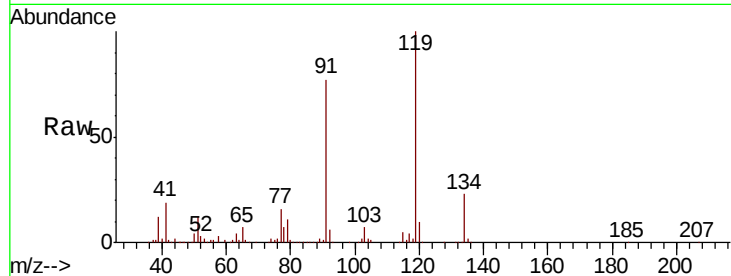




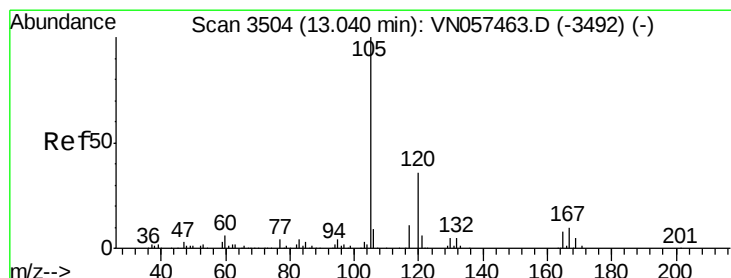
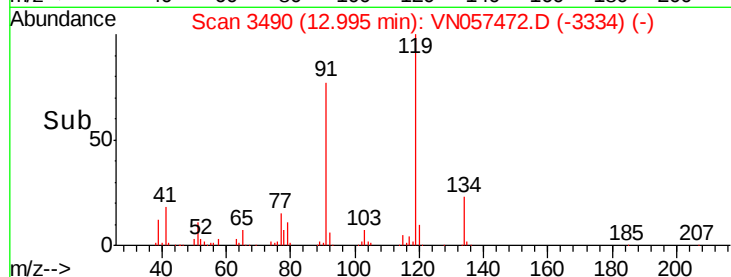
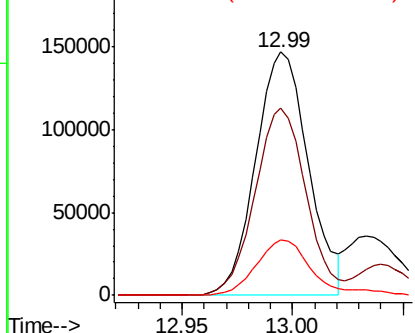
#79
tert-butylbenzene
Concen: 17.611 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	75.0	0.0	146.6
134	23.0	0.0	46.2

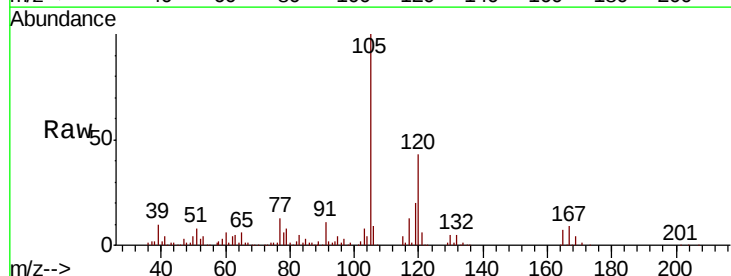


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

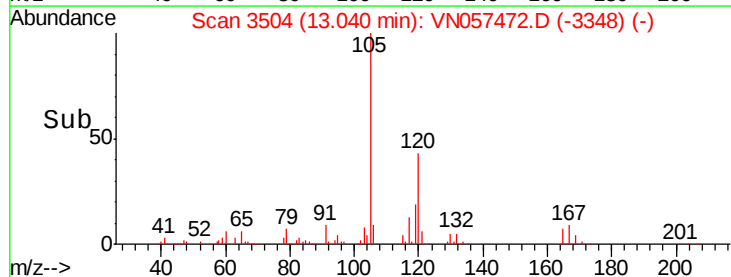
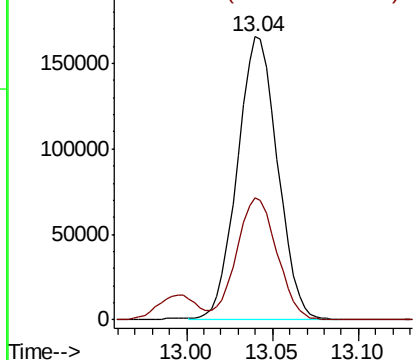


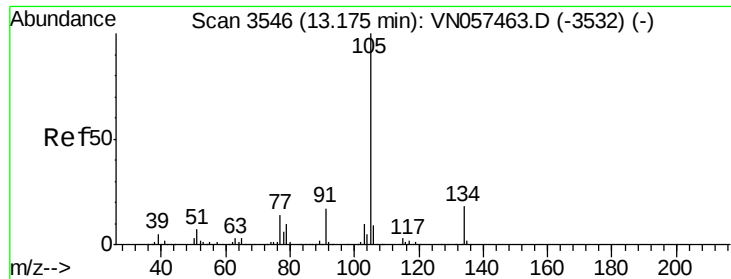
#80
1,2,4-Trimethylbenzene
Concen: 17.853 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	0.0	85.4



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

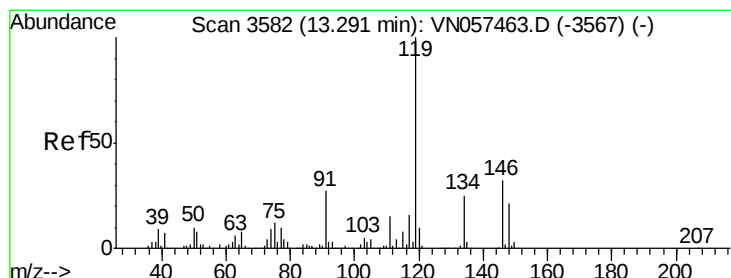
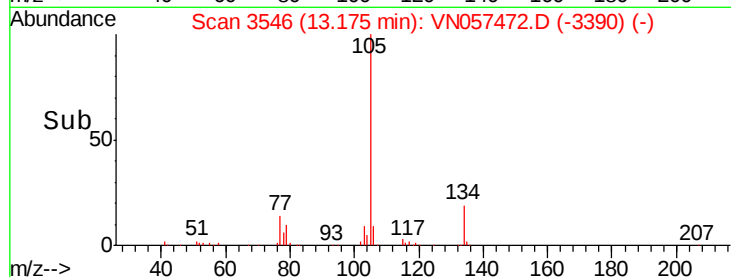
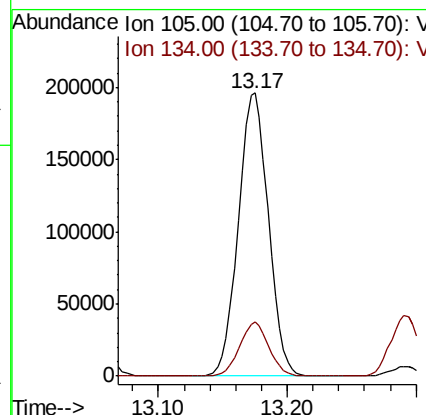
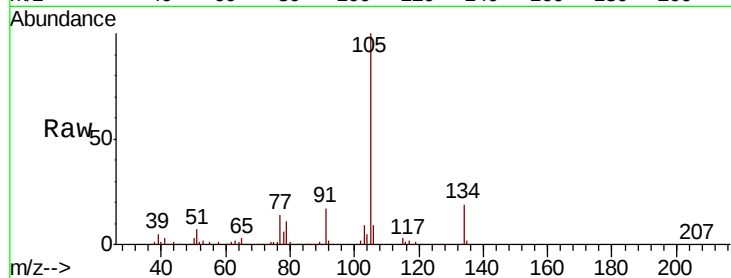




#81
 sec-Butylbenzene
 Concen: 17.397 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

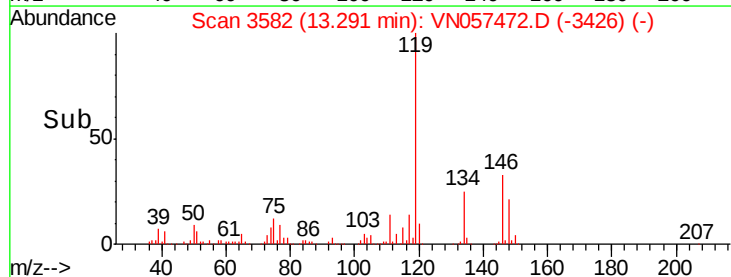
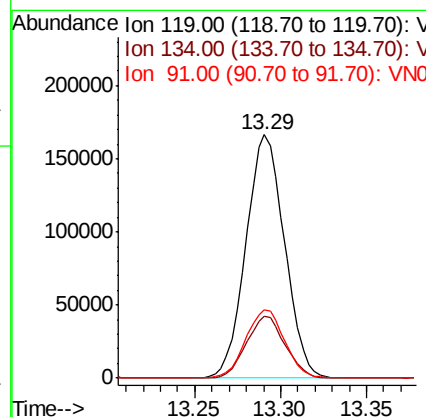
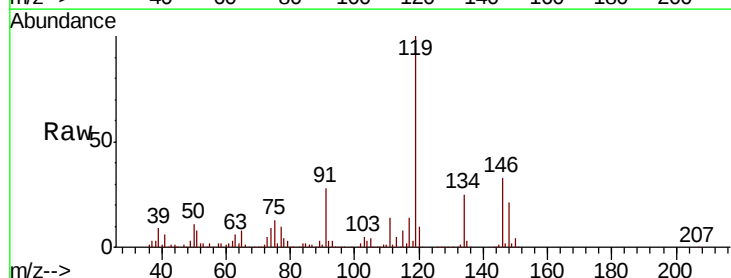
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

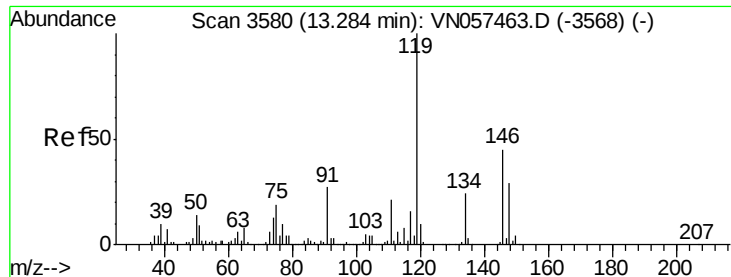
Tgt Ion:105 Resp: 316356
 Ion Ratio Lower Upper
 105 100
 134 18.5 0.0 36.0



#82
 p-Isopropyltoluene
 Concen: 16.978 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion:119 Resp: 259568
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 49.6
 91 28.3 0.0 55.2

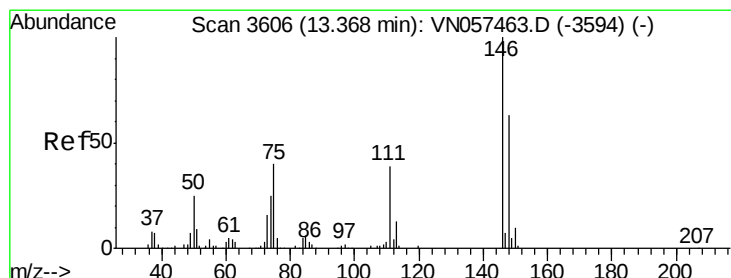
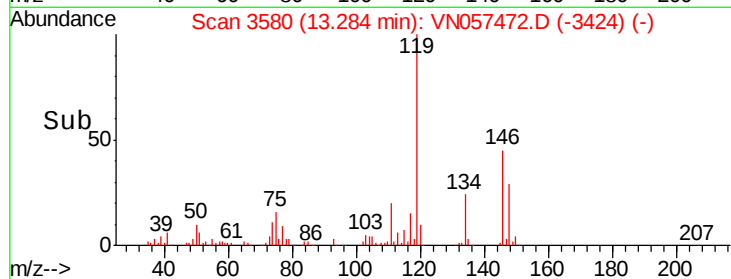
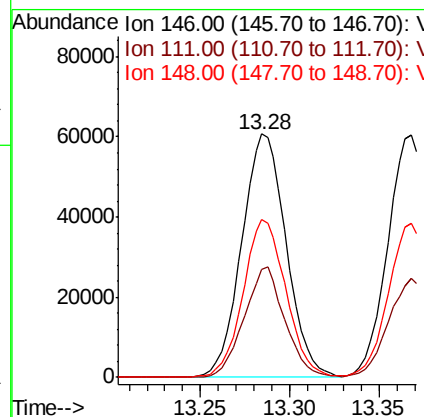
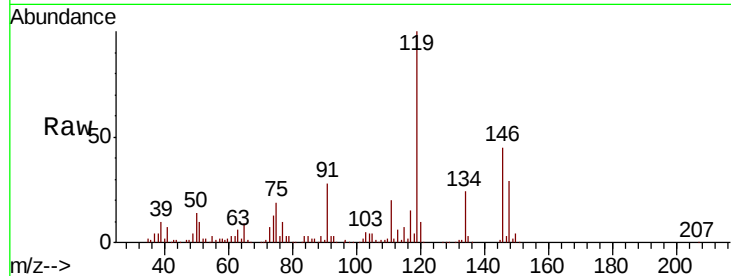




#83
 1,3-Dichlorobenzene
 Concen: 17.004 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

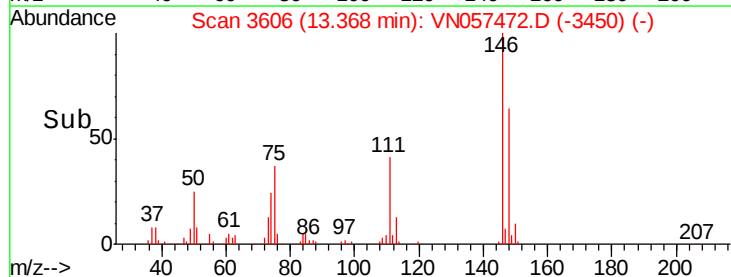
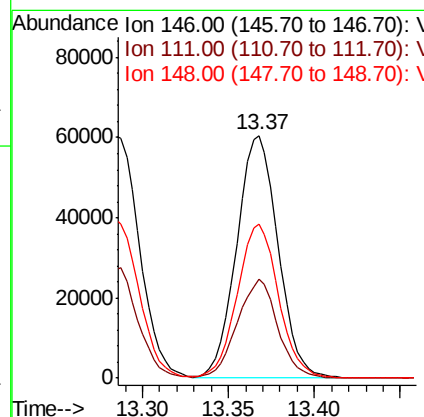
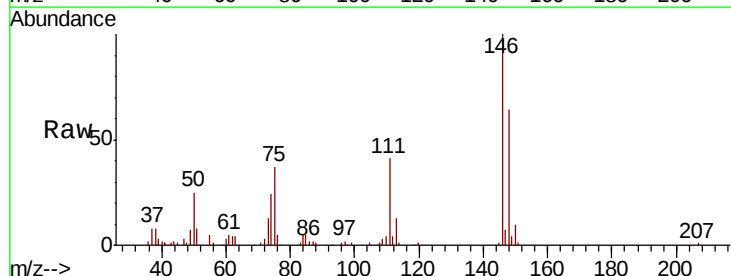
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

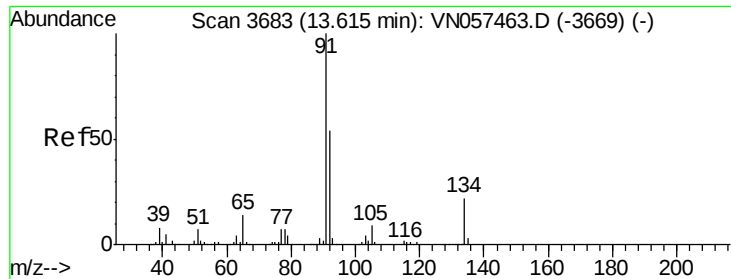
Tgt Ion:146 Resp: 105879
 Ion Ratio Lower Upper
 146 100
 111 41.4 22.4 67.0
 148 62.4 31.8 95.4



#84
 1,4-Dichlorobenzene
 Concen: 16.683 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion:146 Resp: 101056
 Ion Ratio Lower Upper
 146 100
 111 39.9 20.5 61.5
 148 63.3 31.9 95.7

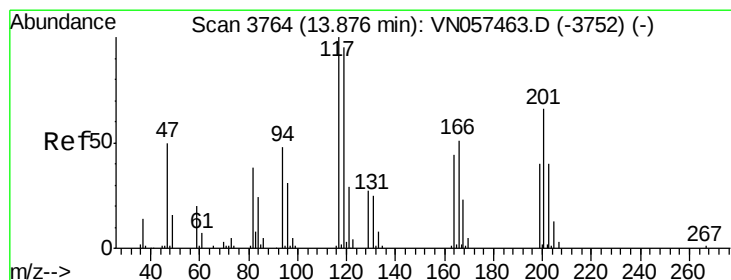
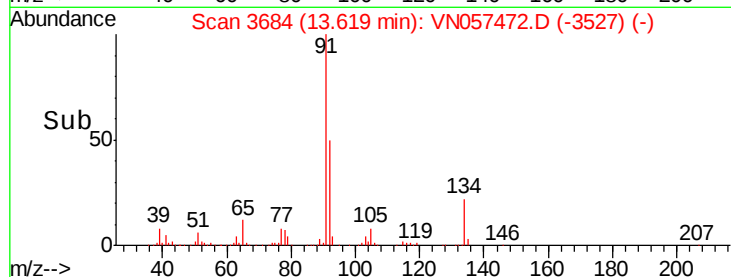
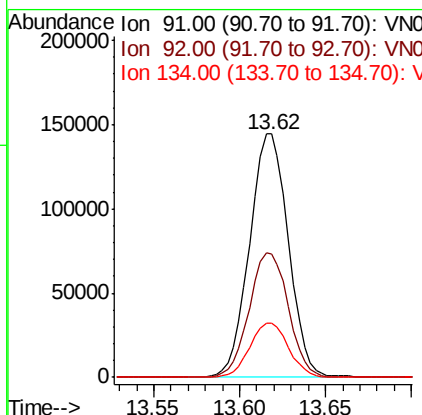
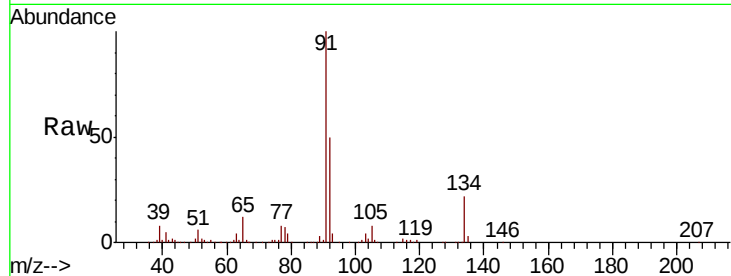




#85
n-Butylbenzene
Concen: 16.974 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

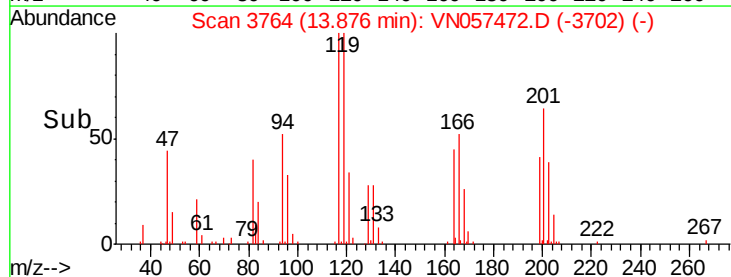
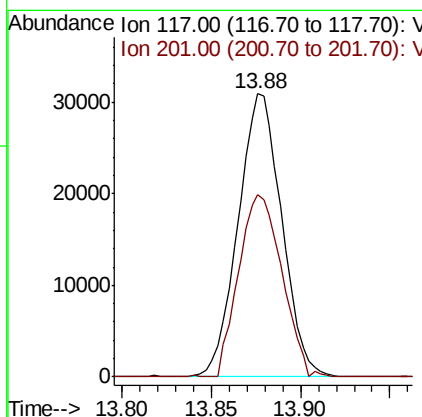
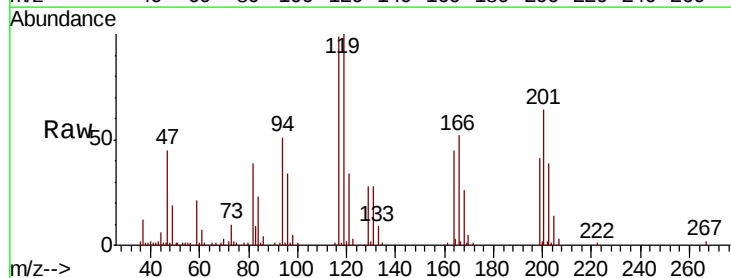
Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

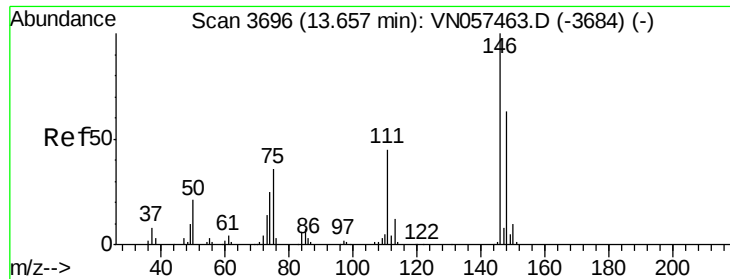
Tgt Ion: 91 Resp: 226231
Ion Ratio Lower Upper
91 100
92 51.8 0.0 105.6
134 22.3 0.0 46.0



#86
Hexachloroethane
Concen: 17.132 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion: 117 Resp: 52846
Ion Ratio Lower Upper
117 100
201 63.3 34.0 101.8

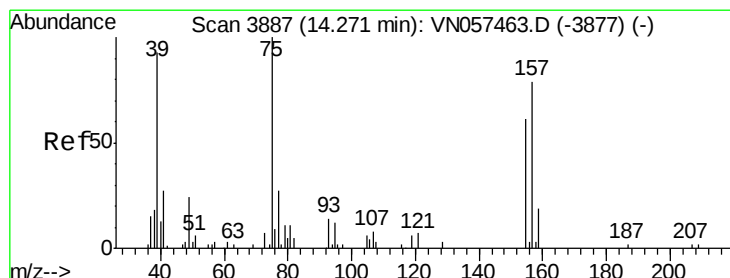
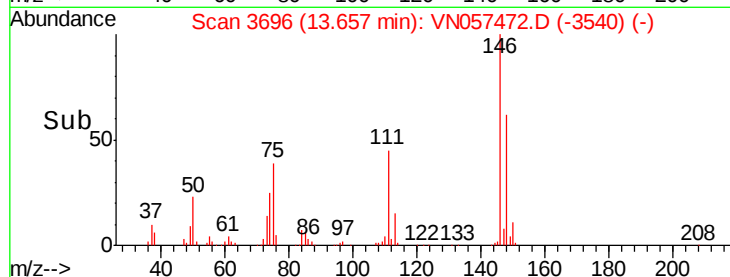
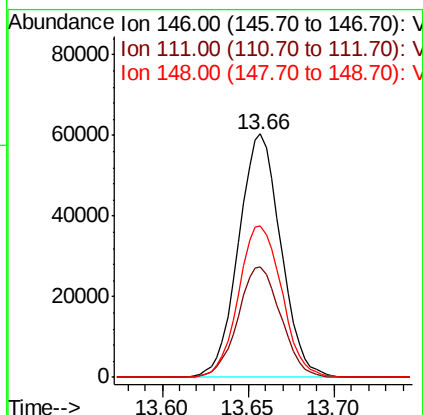
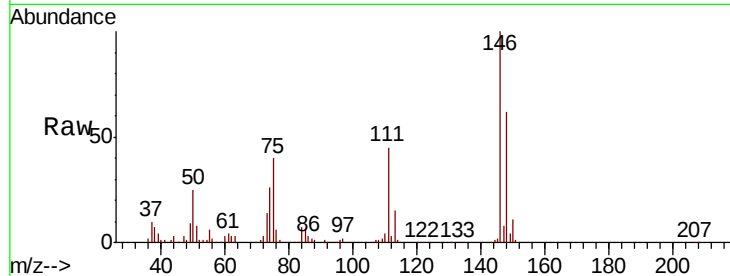




#87
 1,2-Dichlorobenzene
 Concen: 16.899 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

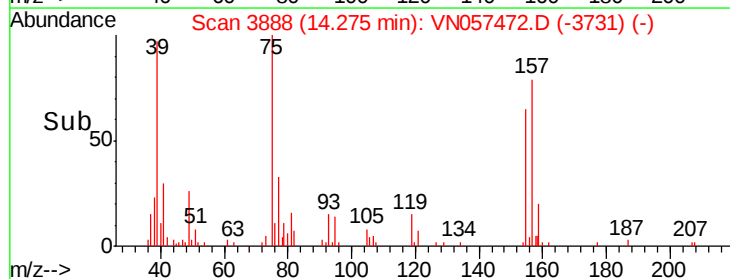
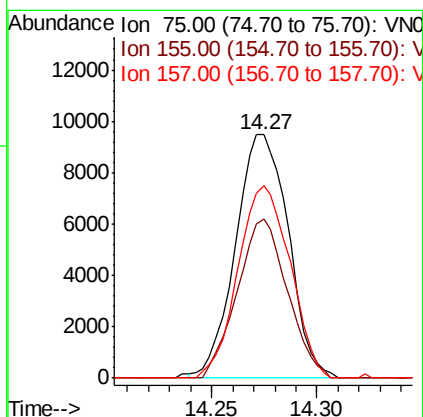
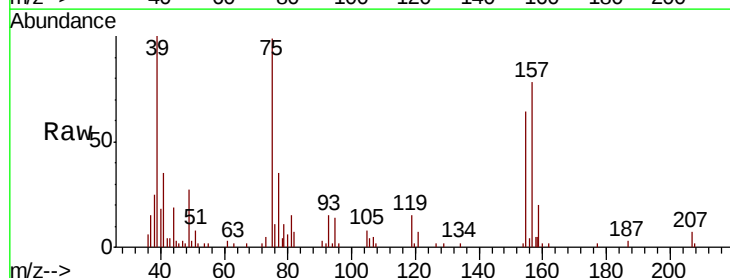
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0823WBSD01

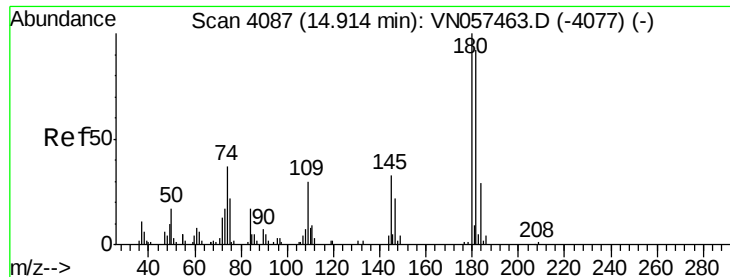
Tgt Ion: 146 Resp: 103338
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.5 67.5
 148 63.7 30.9 92.7



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.177 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion: 75 Resp: 16473
 Ion Ratio Lower Upper
 75 100
 155 62.1 53.7 80.5
 157 78.0 63.5 95.3

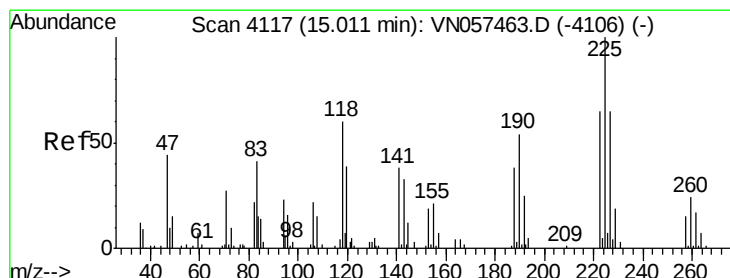
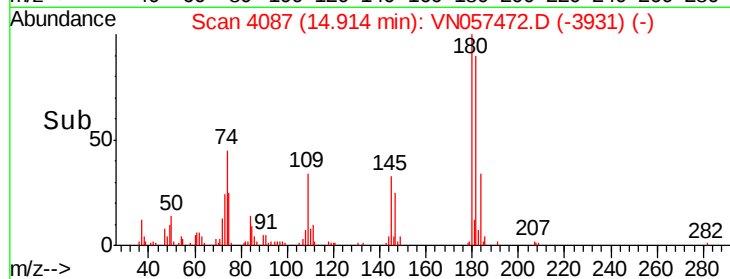
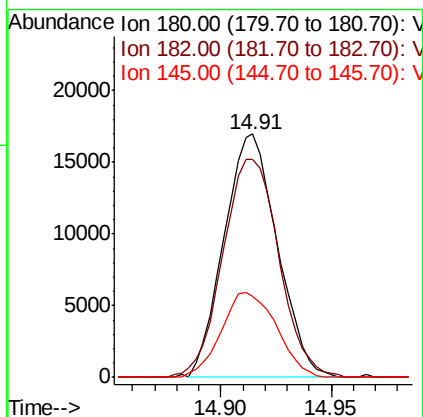
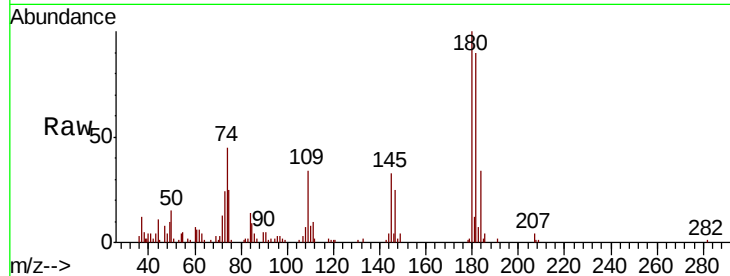




#89
 1,2,4-Trichlorobenzene
 Concen: 12.420 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

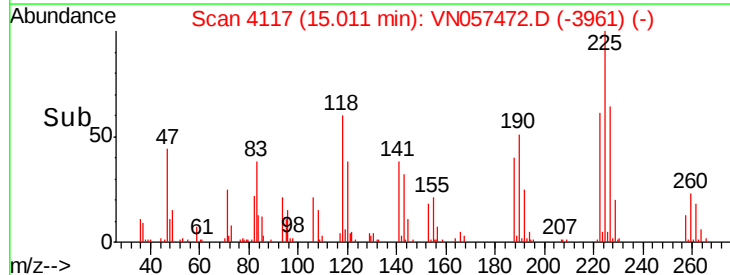
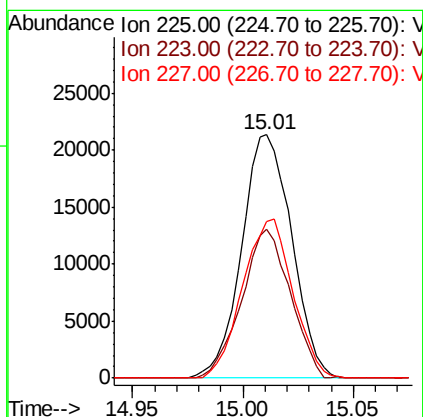
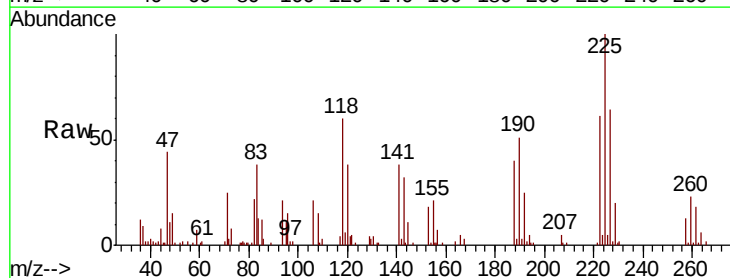
Instrument :
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 ClientSampleId :
 VN0823WBSD01

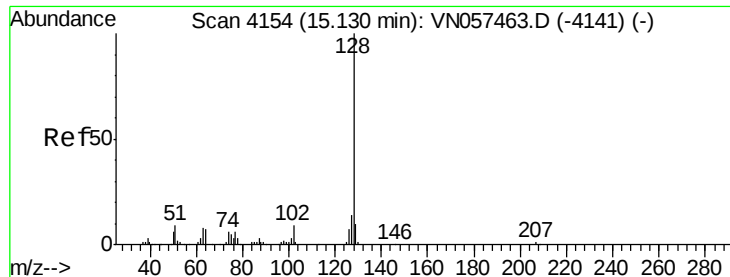
Tgt Ion:180 Resp: 28457
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.4 113.2
 145 36.1 26.9 40.3



#90
 Hexachlorobutadiene
 Concen: 19.138 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057472.D
 Acq: 23 Aug 2019 14:15

Tgt Ion:225 Resp: 33714
 Ion Ratio Lower Upper
 225 100
 223 59.2 0.0 123.6
 227 65.5 0.0 126.6

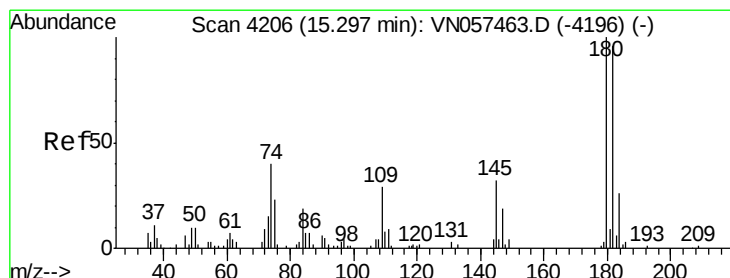
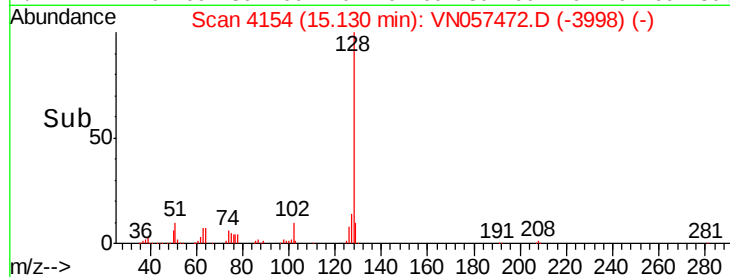
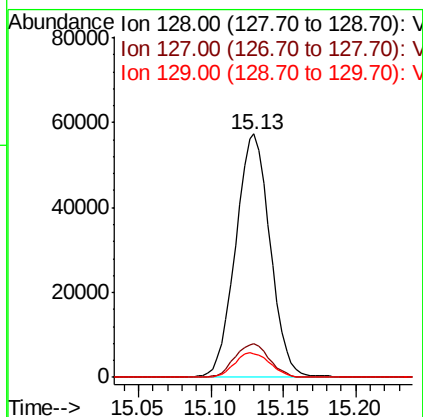
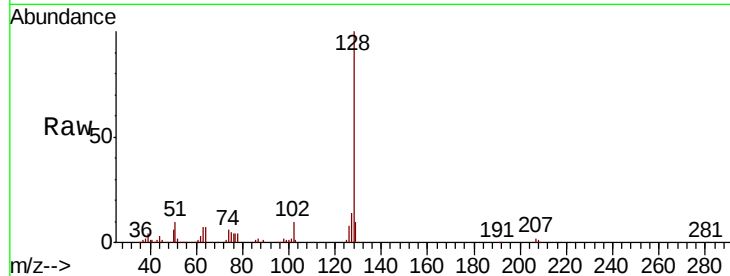




#91
Naphthalene
Concen: 18.337 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Instrument :
MSVOA_N
ClientSampleId :
VN0823WBSD01

Tgt Ion:128 Resp: 94970
Ion Ratio Lower Upper
128 100
127 13.9 10.1 15.1
129 10.4 8.6 13.0



#92
1,2,3-Trichlorobenzene
Concen: 13.455 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057472.D
Acq: 23 Aug 2019 14:15

Tgt Ion:180 Resp: 30831
Ion Ratio Lower Upper
180 100
182 97.5 0.0 187.0
145 36.2 0.0 64.4

