

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
 Data File : VN057477.D
 Acq On : 23 Aug 2019 17:29
 Operator : JC/SP
 Sample : VN0824WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Quant Time: Aug 26 05:10:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	634865	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	547528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	172811	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	333972	54.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.64%	
35) Dibromofluoromethane	7.57	113	223367	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
50) Toluene-d8	10.09	98	843375	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	264753	48.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	80278	19.644	ug/l	94
3) Chloromethane	2.05	50	115367	19.765	ug/l	99
4) Vinyl Chloride	2.17	62	142525	20.061	ug/l	98
5) Bromomethane	2.55	94	92814	21.199	ug/l	96
6) Chloroethane	2.69	64	92326	20.203	ug/l	98
7) Trichlorofluoromethane	3.00	101	219201	19.877	ug/l	97
8) Diethyl Ether	3.39	74	82104	21.298	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	121189	21.458	ug/l	99
10) Methyl Iodide	3.92	142	86887	19.296	ug/l #	96
11) Tert butyl alcohol	4.78	59	67267	88.869	ug/l #	82
12) 1,1-Dichloroethene	3.71	96	117486	19.931	ug/l	96
13) Acrolein	3.58	56	60257	90.534	ug/l	99
14) Allyl chloride	4.29	41	154829	19.853	ug/l	98
15) Acrylonitrile	4.97	53	203282	99.586	ug/l	96
16) Acetone	3.80	43	338736	121.076	ug/l	94
17) Carbon Disulfide	4.02	76	203082	18.061	ug/l	99
18) Methyl Acetate	4.30	43	122183	19.658	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	267866	18.825	ug/l	96
20) Methylene Chloride	4.52	84	85020	20.452	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	76519	18.395	ug/l	95
22) Diisopropyl ether	5.93	45	335234	20.044	ug/l	98
23) Vinyl Acetate	5.87	43	1247599	95.506	ug/l	100
24) 1,1-Dichloroethane	5.82	63	173803	19.609	ug/l	97
25) 2-Butanone	6.82	43	287233	94.548	ug/l	97
26) 2,2-Dichloropropane	6.81	77	144918	18.880	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94556	19.176	ug/l	100
28) Bromochloromethane	7.18	49	103462	21.676	ug/l	93
29) Tetrahydrofuran	7.20	42	193481	96.585	ug/l	98
30) Chloroform	7.36	83	167095	20.362	ug/l	99
31) Cyclohexane	7.63	56	171728	20.067	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	142532	18.746	ug/l	98
36) 1,1-Dichloropropene	7.78	75	122229	18.842	ug/l	99
37) Ethyl Acetate	6.91	43	121387	18.937	ug/l	99
38) Carbon Tetrachloride	7.75	117	114694	17.797	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151441	19.656	ug/l	97
40) Benzene	8.03	78	371310	19.070	ug/l	97
41) Methacrylonitrile	7.16	41	55058	18.013	ug/l	99
42) 1,2-Dichloroethane	8.11	62	146711	19.570	ug/l	99
43) Isopropyl Acetate	8.16	43	216835	18.448	ug/l	100
44) Trichloroethene	8.82	130	83616	19.239	ug/l	99
45) 1,2-Dichloropropane	9.11	63	105128	19.172	ug/l	96
46) Dibromomethane	9.20	93	61859	19.014	ug/l	99
47) Bromodichloromethane	9.40	83	130074	17.980	ug/l	99
48) Methyl methacrylate	9.19	41	107435	19.222	ug/l	100
49) 1,4-Dioxane	9.19	88	26248	363.168	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	619783	94.616	ug/l	99
52) Toluene	10.15	92	217577	19.389	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	134526	17.753	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	153939	18.246	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	83498	18.399	ug/l	96
56) Ethyl methacrylate	10.43	69	132443	18.553	ug/l	97
57) 1,3-Dichloropropane	10.70	76	151041	19.123	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	236010	127.667	ug/l	97
59) 2-Hexanone	10.75	43	426268	94.876	ug/l	98
60) Dibromochloromethane	10.90	129	86679	18.074	ug/l	98
61) 1,2-Dibromoethane	11.00	107	83736	18.813	ug/l	100
64) Tetrachloroethene	10.63	164	76179	19.887	ug/l	93
65) Chlorobenzene	11.43	112	209200	18.901	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	79319	18.686	ug/l	98
67) Ethyl Benzene	11.51	91	406826	18.990	ug/l	99
68) m/p-Xylenes	11.62	106	274716	37.707	ug/l	100
69) o-Xylene	11.95	106	139476	19.325	ug/l	99
70) Styrene	11.96	104	215025	18.815	ug/l	98
71) Bromoform	12.13	173	47466	16.542	ug/l #	99
73) Isopropylbenzene	12.25	105	367220	21.711	ug/l	99
74) N-amyl acetate	12.07	43	172703	22.024	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	111297	23.136	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	138860	35.196	ug/l #	100
77) Bromobenzene	12.53	156	74168	21.668	ug/l	99
78) n-propylbenzene	12.59	91	398390	21.244	ug/l	97
79) 2-Chlorotoluene	12.67	91	238580	21.310	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	298869	21.785	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	32255	18.815	ug/l	97
82) 4-Chlorotoluene	12.77	91	221024	20.343	ug/l	99
83) tert-Butylbenzene	12.99	119	257202	22.138	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	286566	21.330	ug/l	97
85) sec-Butylbenzene	13.17	105	327425	21.419	ug/l	100
86) p-Isopropyltoluene	13.29	119	269629	19.961	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	110532	19.802	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	103674	18.965	ug/l	96
89) n-Butylbenzene	13.62	91	230974	20.206	ug/l	99
90) Hexachloroethane	13.88	117	53914	19.139	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	109016	20.459	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15140	18.015	ug/l	93

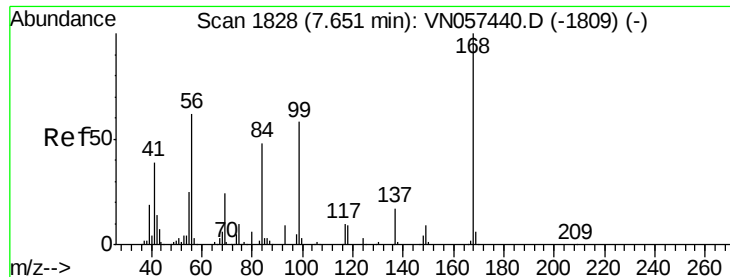
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	29259	17.485	ug/l	96
94) Hexachlorobutadiene	15.01	225	34269	23.537	ug/l	99
95) Naphthalene	15.13	128	96729	17.188	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	32194	18.531	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

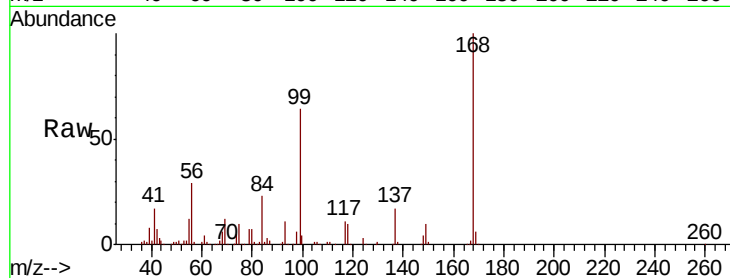
VN0824WBS01

Tgt Ion:168 Resp: 346313

Ion Ratio Lower Upper

168 100

99 63.6 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

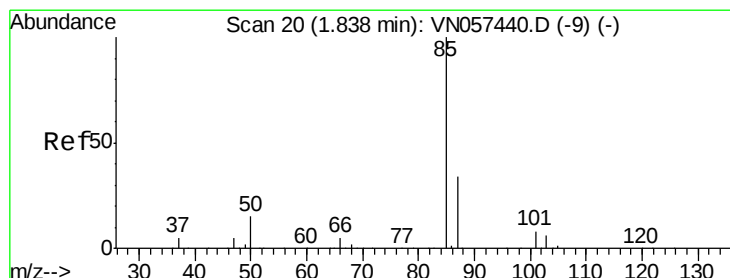
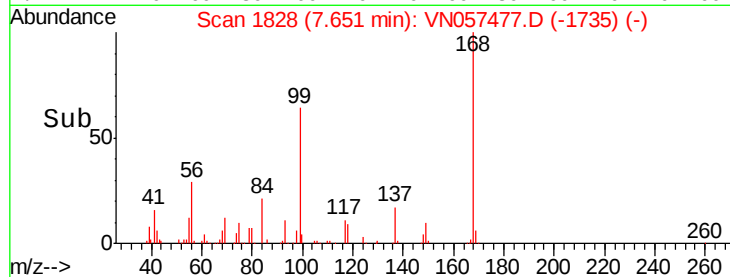
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.644 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057477.D

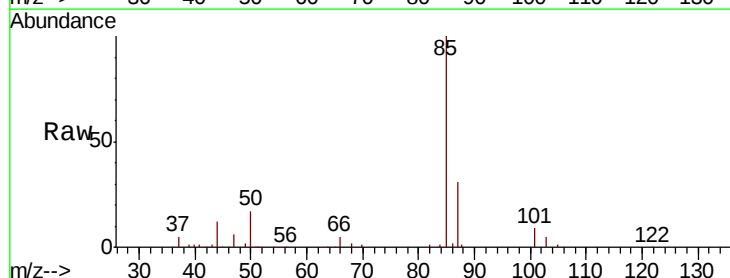
Acq: 23 Aug 2019 17:29

Tgt Ion: 85 Resp: 80278

Ion Ratio Lower Upper

85 100

87 30.9 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

60000

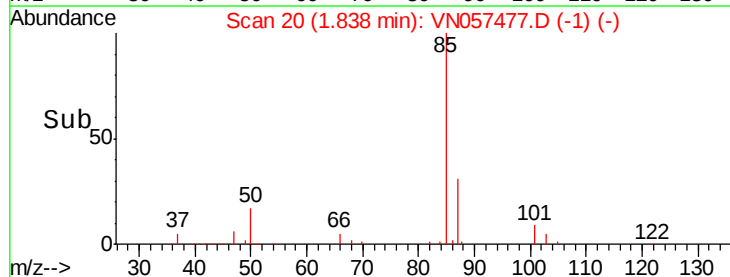
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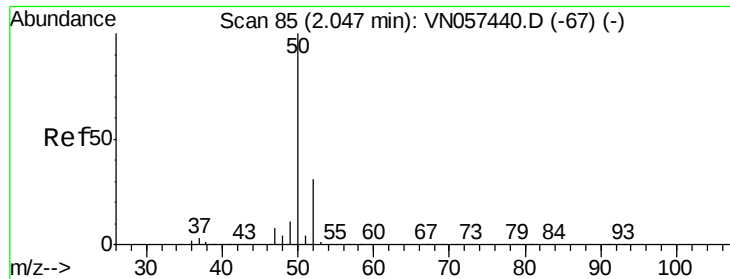
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 19.765 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

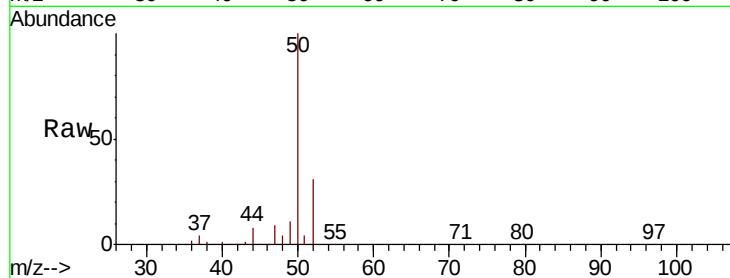
VN0824WBS01

Tgt Ion: 50 Resp: 115367

Ion Ratio Lower Upper

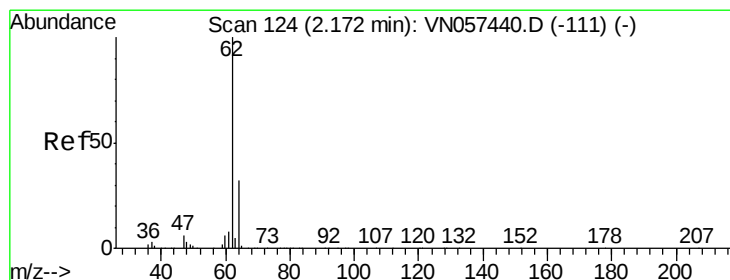
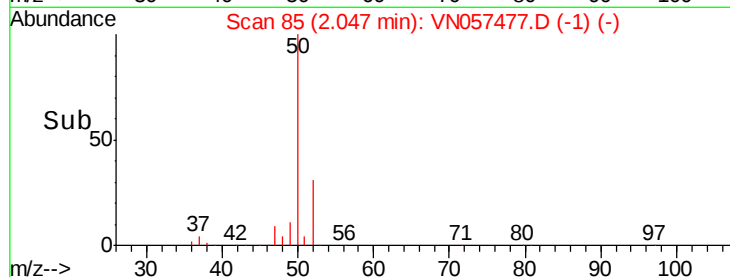
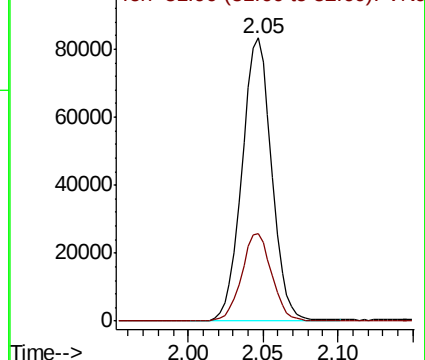
50 100

52 31.1 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 20.061 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057477.D

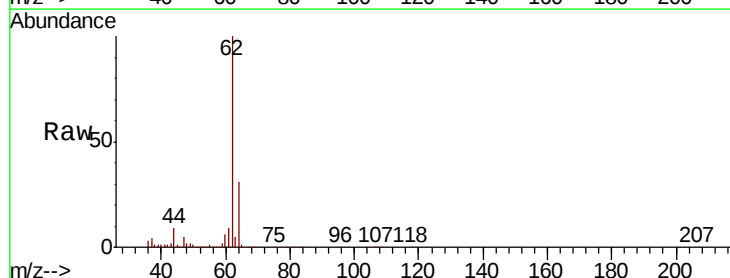
Acq: 23 Aug 2019 17:29

Tgt Ion: 62 Resp: 142525

Ion Ratio Lower Upper

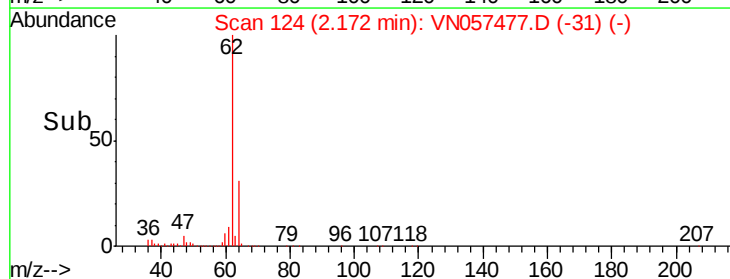
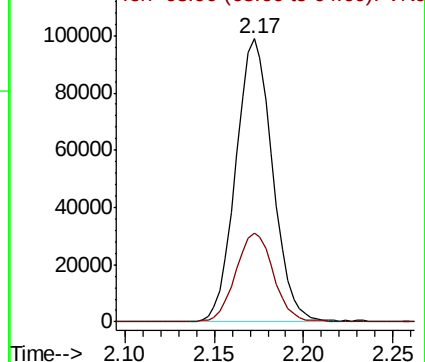
62 100

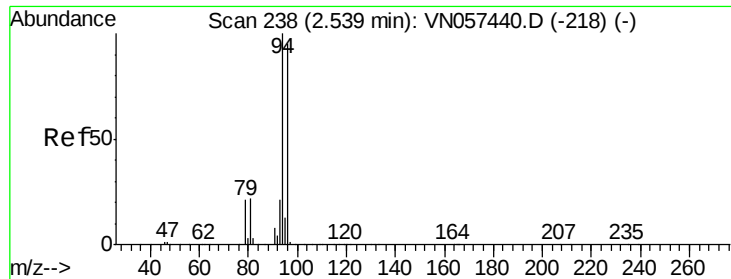
64 31.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 21.199 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

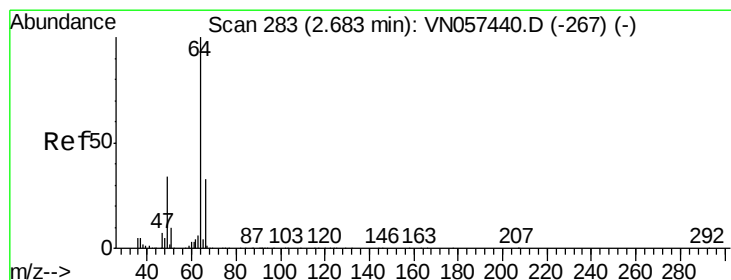
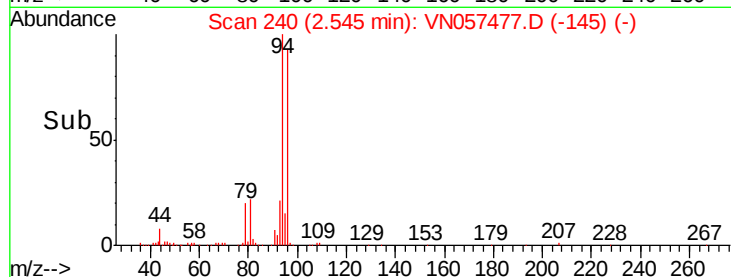
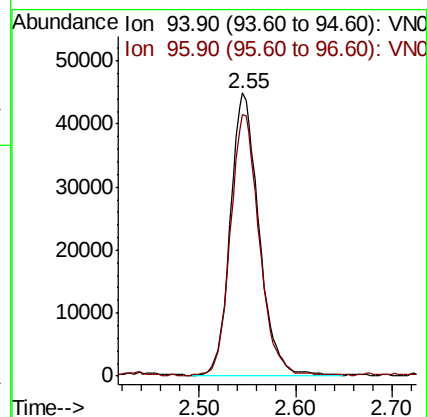
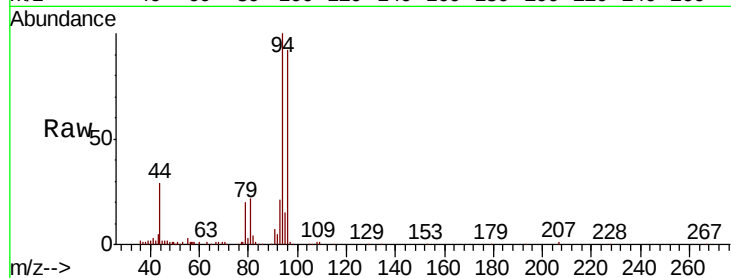
VN0824WBS01

Tgt Ion: 94 Resp: 92814

Ion Ratio Lower Upper

94 100

96 91.7 76.2 114.4



#6

Chloroethane

Concen: 20.203 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057477.D

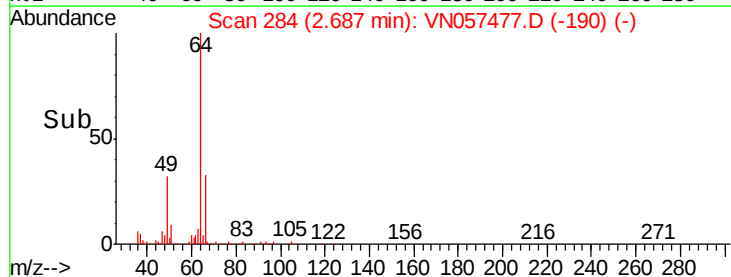
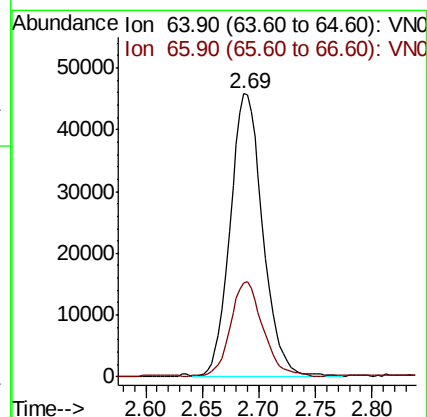
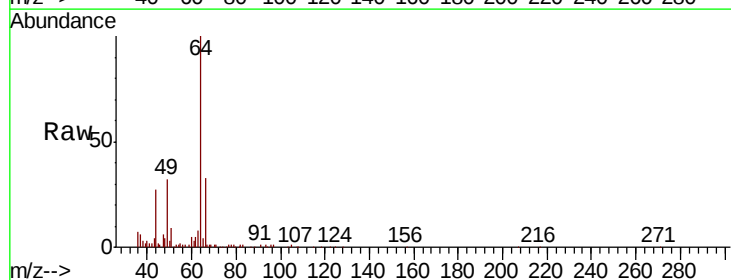
Acq: 23 Aug 2019 17:29

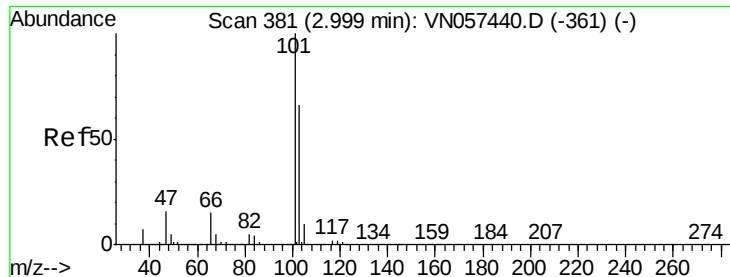
Tgt Ion: 64 Resp: 92326

Ion Ratio Lower Upper

64 100

66 32.4 26.8 40.2



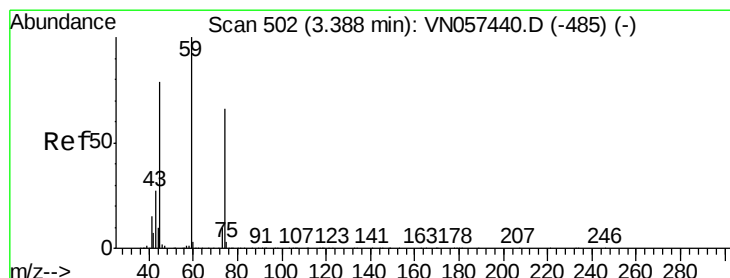
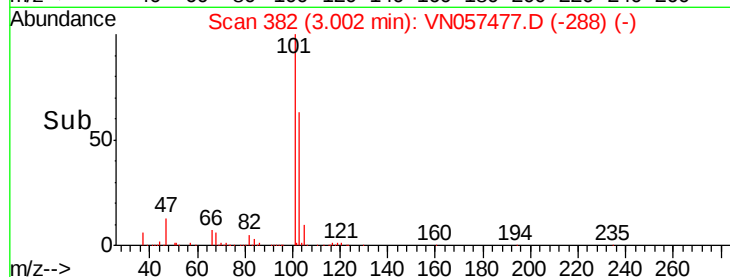
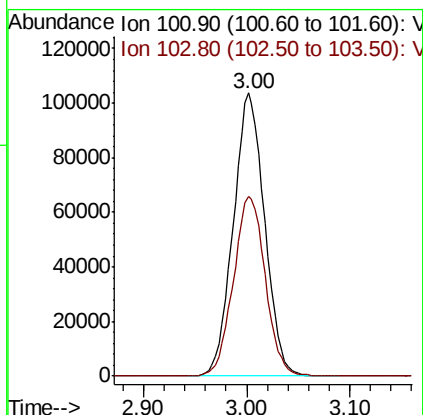
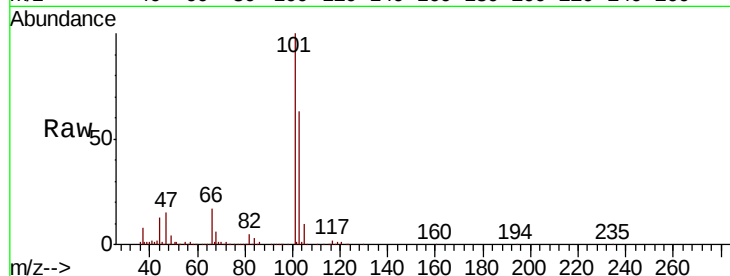


#7

Trichlorofluoromethane
 Concen: 19.877 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
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 VN0824WBS01

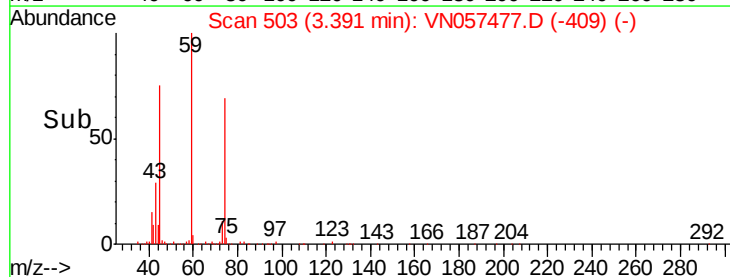
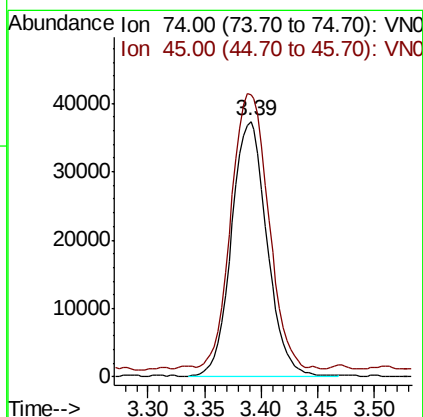
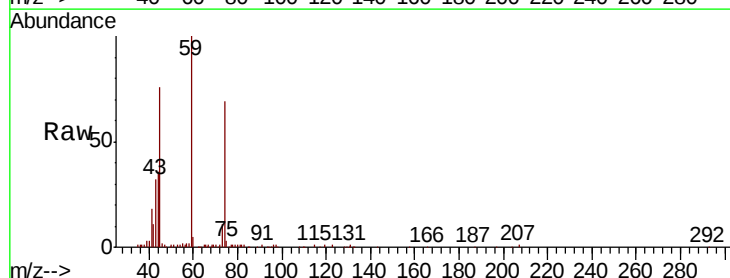
Tgt Ion:101 Resp: 219201
 Ion Ratio Lower Upper
 101 100
 103 63.5 52.6 78.8

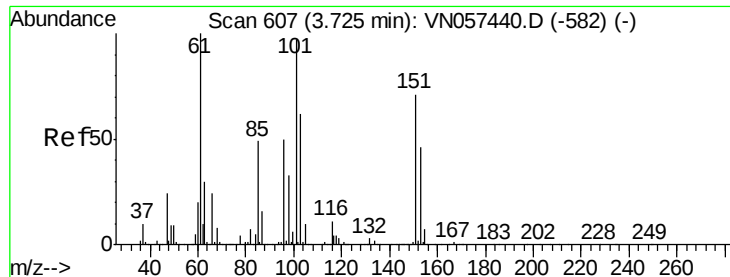


#8

Diethyl Ether
 Concen: 21.298 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 74 Resp: 82104
 Ion Ratio Lower Upper
 74 100
 45 113.1 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.458 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

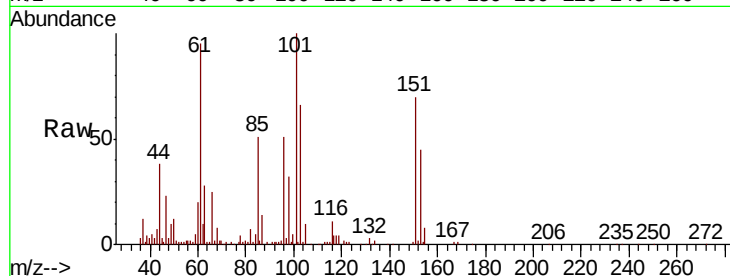
Tgt Ion:101 Resp: 121189

Ion Ratio Lower Upper

101 100

85 49.2 40.0 60.0

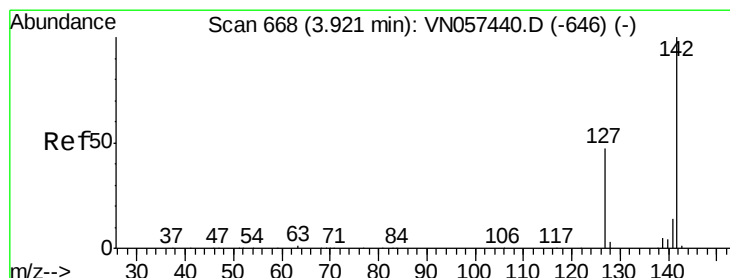
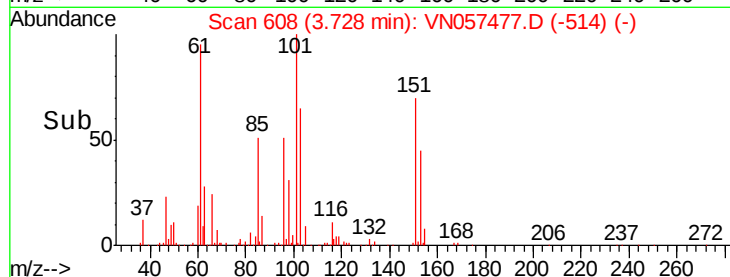
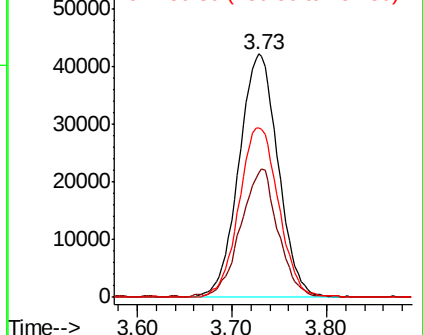
151 70.6 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.296 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

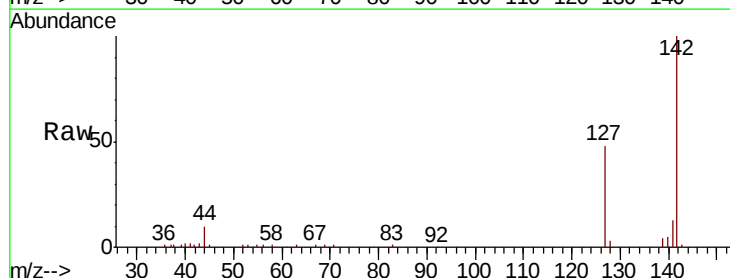
Tgt Ion:142 Resp: 86887

Ion Ratio Lower Upper

142 100

127 47.5 37.8 56.8

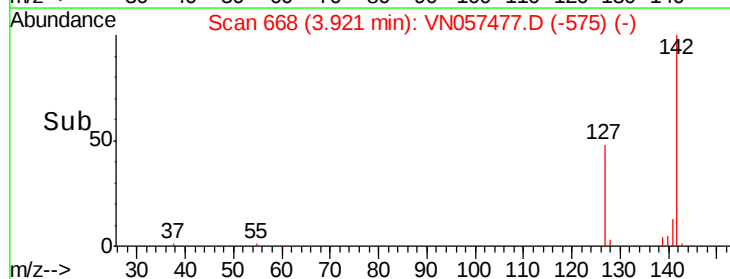
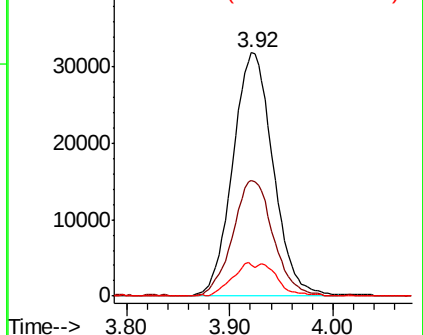
141 7.7 11.9 17.9#

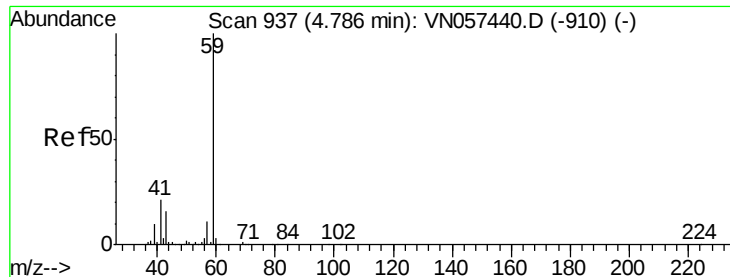


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



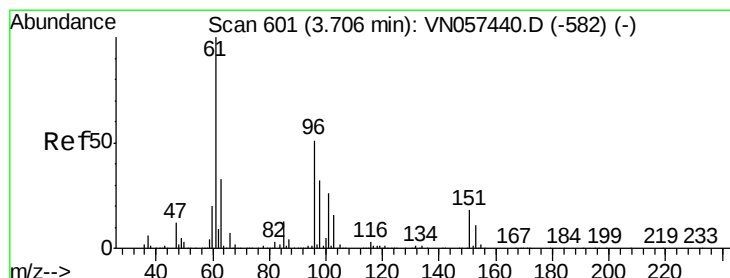
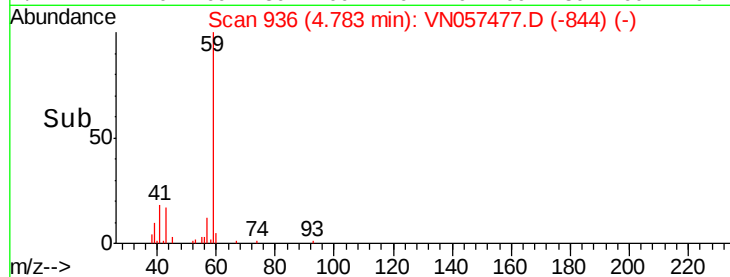
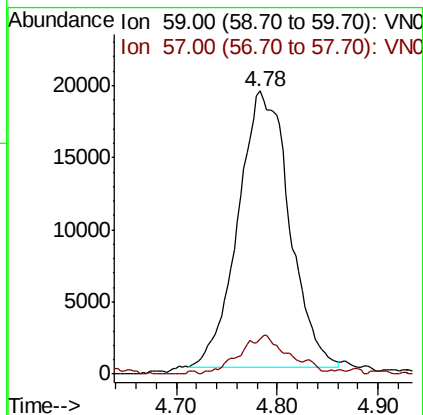
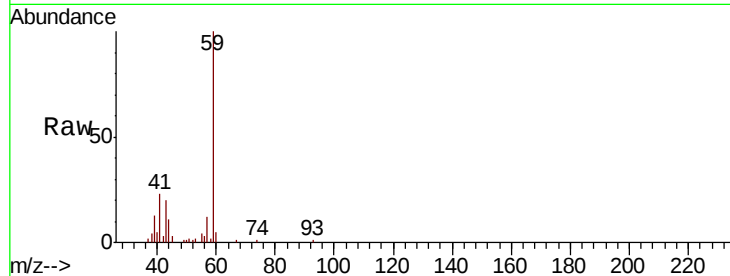


#11

Tert butyl alcohol
 Concen: 88.869 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

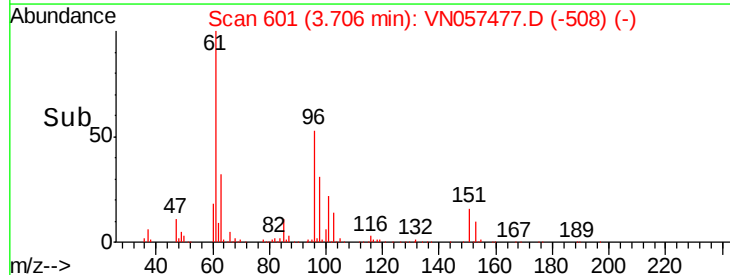
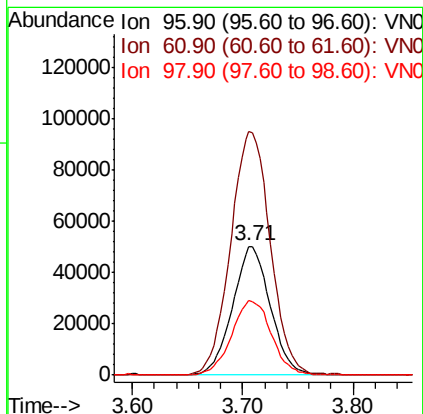
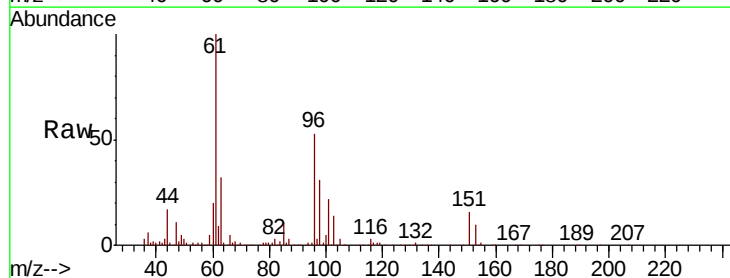
Tgt Ion: 59 Resp: 67267
 Ion Ratio Lower Upper
 59 100
 57 4.4 9.1 13.7#

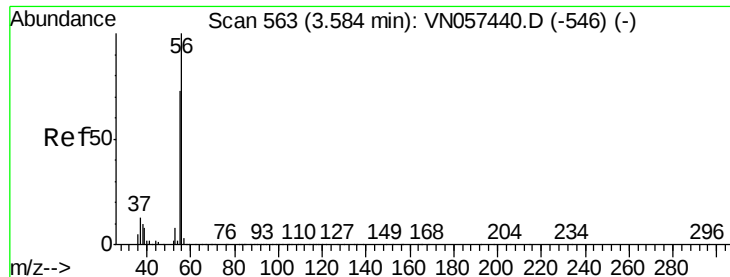


#12

1,1-Dichloroethene
 Concen: 19.931 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 96 Resp: 117486
 Ion Ratio Lower Upper
 96 100
 61 189.0 155.3 232.9
 98 57.4 50.2 75.2





#13

Acrolein

Concen: 90.534 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

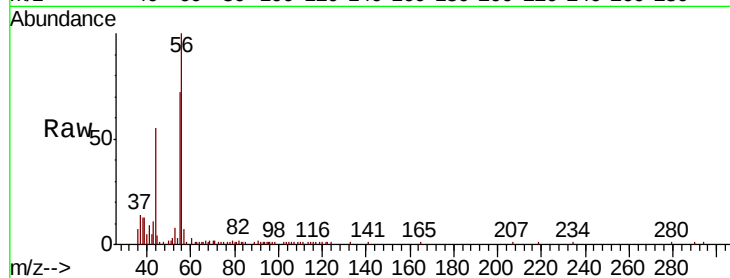
VN0824WBS01

Tgt Ion: 56 Resp: 60257

Ion Ratio Lower Upper

56 100

55 74.3 59.0 88.4

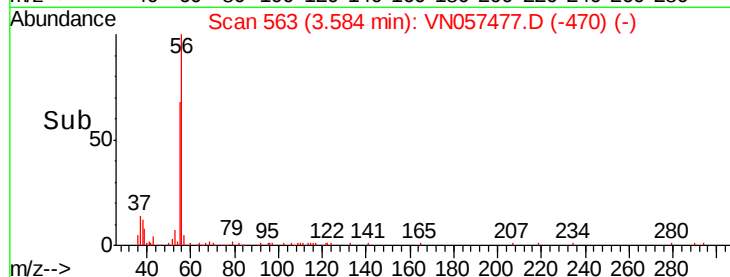


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

Time-->

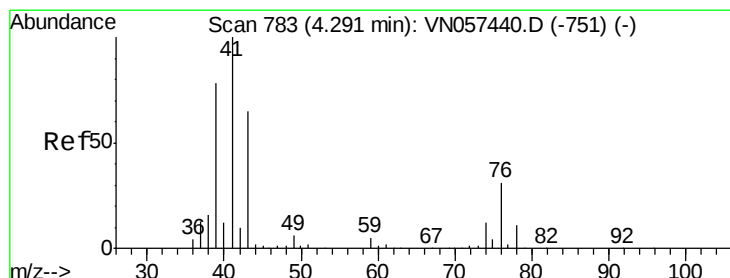


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

Time-->



#14

Allyl chloride

Concen: 19.853 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

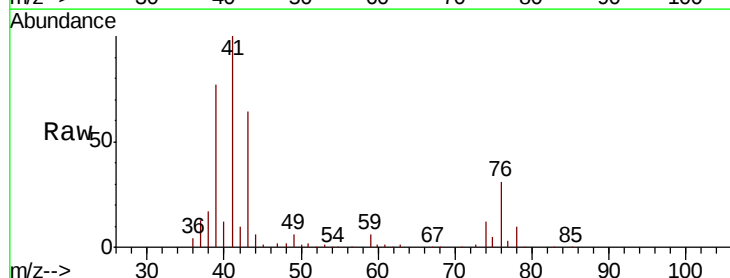
Tgt Ion: 41 Resp: 154829

Ion Ratio Lower Upper

41 100

39 73.0 57.4 86.2

76 30.1 22.9 34.3



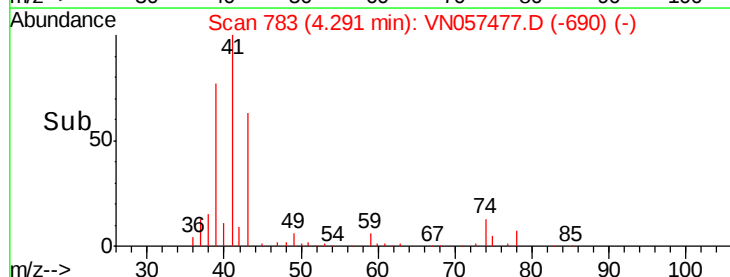
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

Time-->



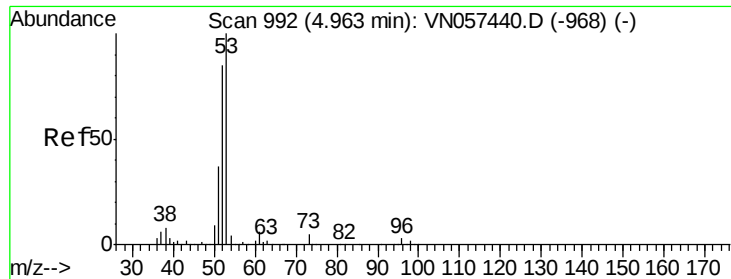
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

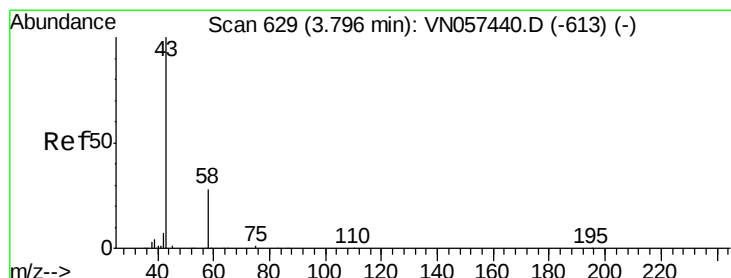
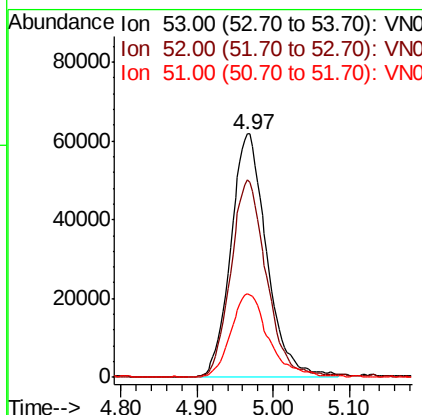
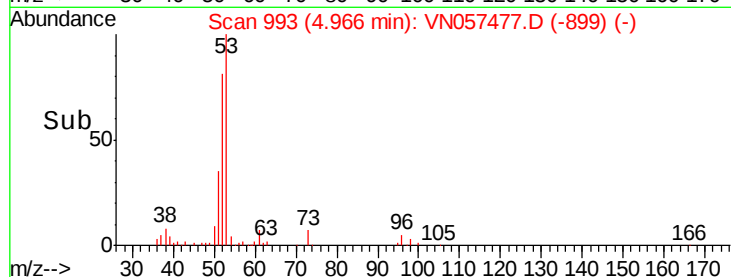
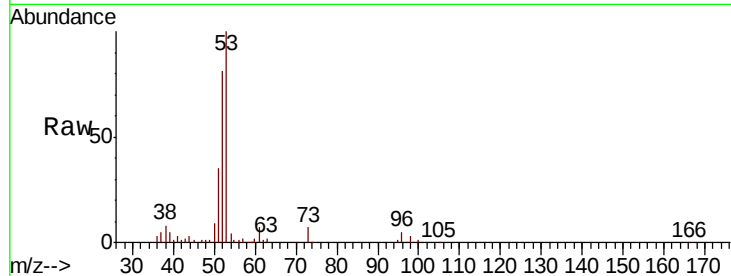
Time-->



#15
 Acrylonitrile
 Concen: 99.586 ug/l
 RT: 4.97 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

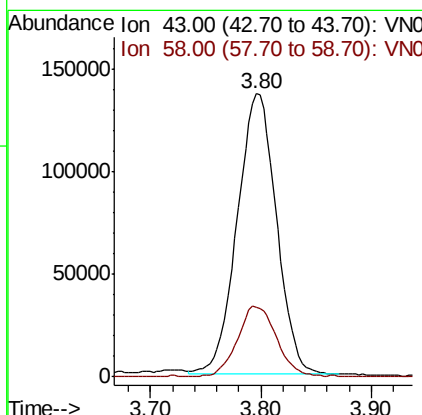
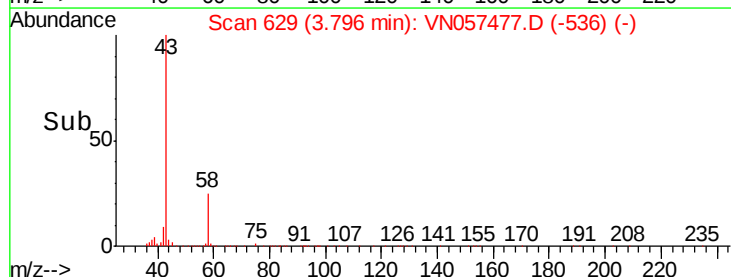
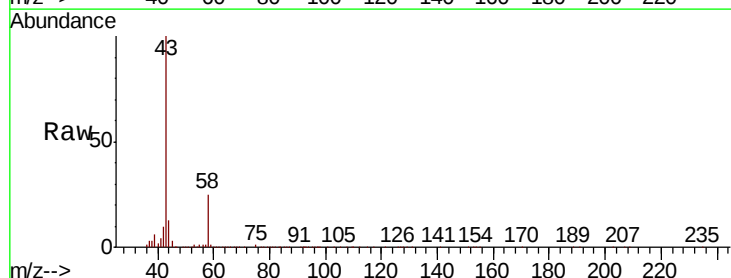
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

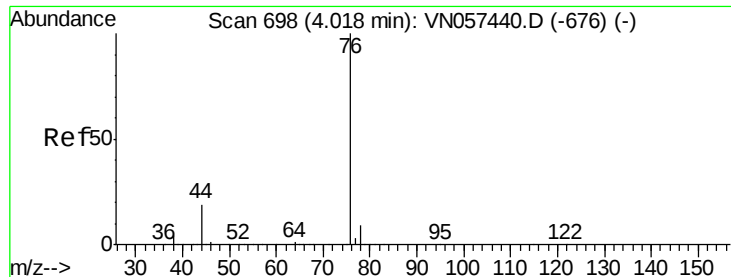
Tgt Ion: 53 Resp: 203282
 Ion Ratio Lower Upper
 53 100
 52 80.2 67.0 100.6
 51 35.7 29.9 44.9



#16
 Acetone
 Concen: 121.076 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 43 Resp: 338736
 Ion Ratio Lower Upper
 43 100
 58 24.5 22.1 33.1

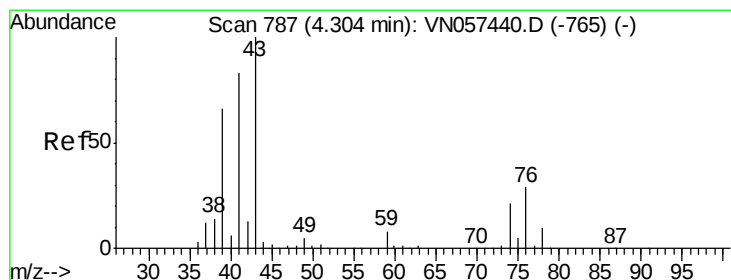
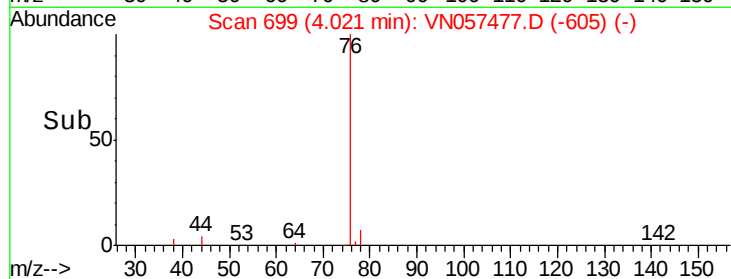
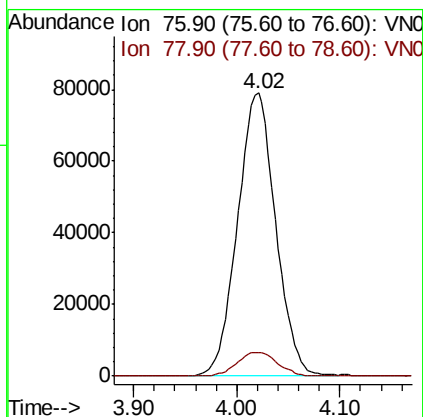
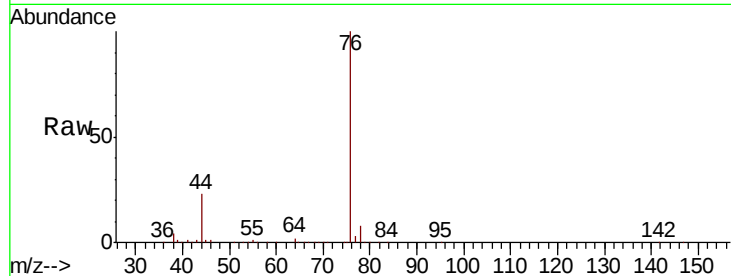




#17
Carbon Disulfide
Concen: 18.061 ug/l
RT: 4.02 min Scan# 699
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

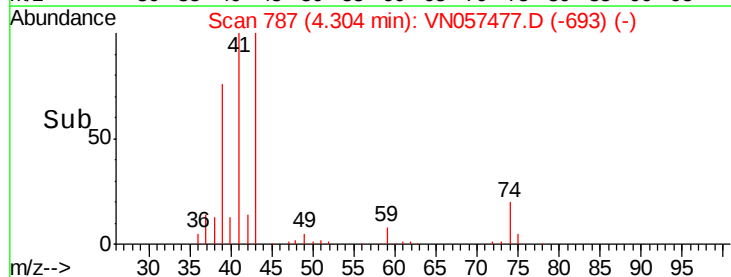
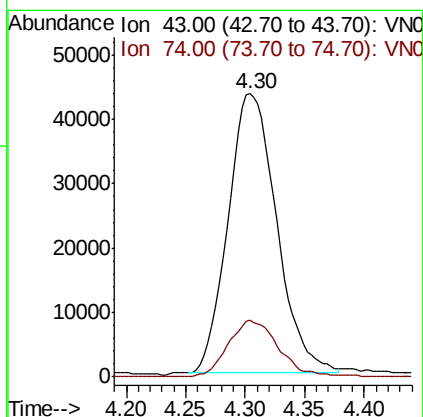
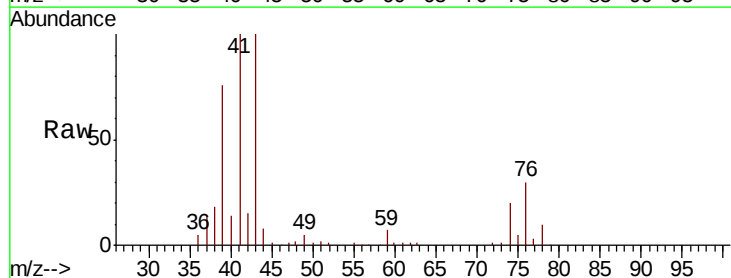
Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

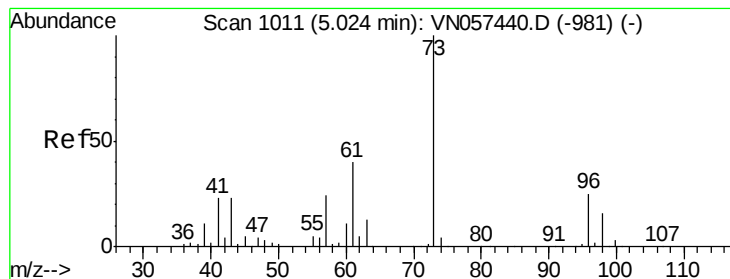
Tgt Ion: 76 Resp: 203082
Ion Ratio Lower Upper
76 100
78 8.4 7.1 10.7



#18
Methyl Acetate
Concen: 19.658 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion: 43 Resp: 122183
Ion Ratio Lower Upper
43 100
74 20.8 15.9 23.9



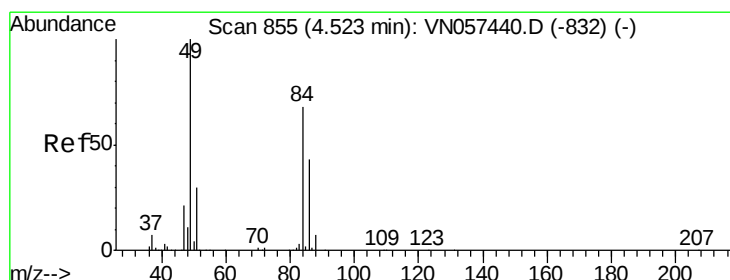
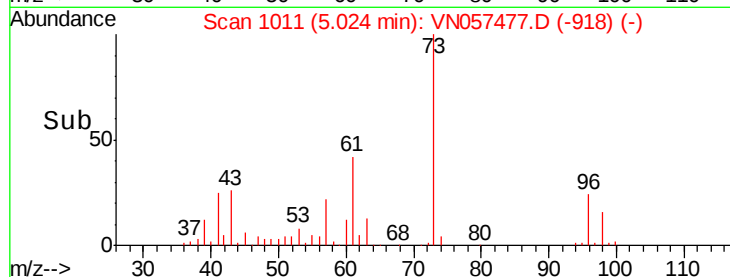
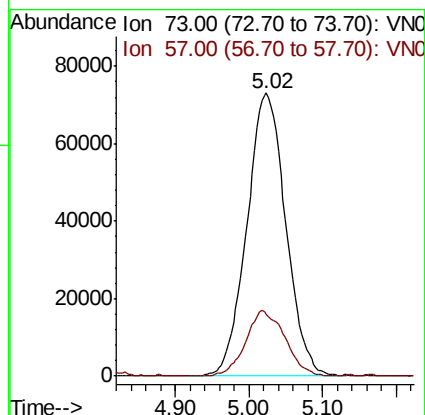
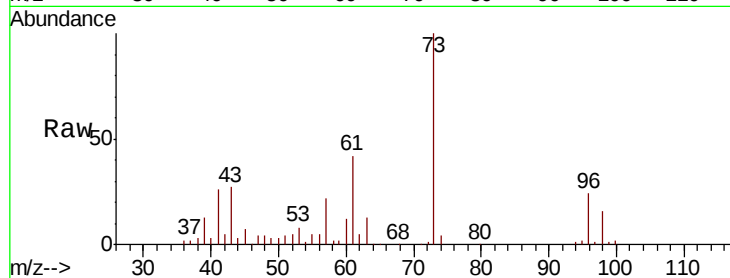


#19

Methyl tert-butyl Ether
 Concen: 18.825 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBS01

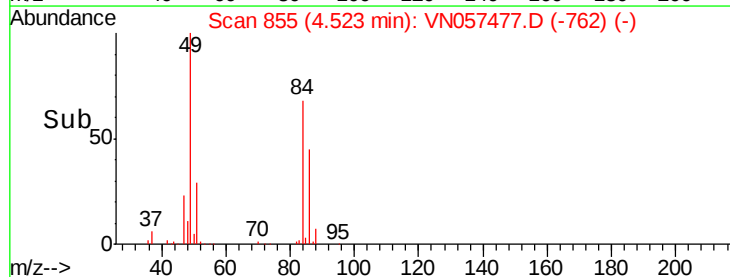
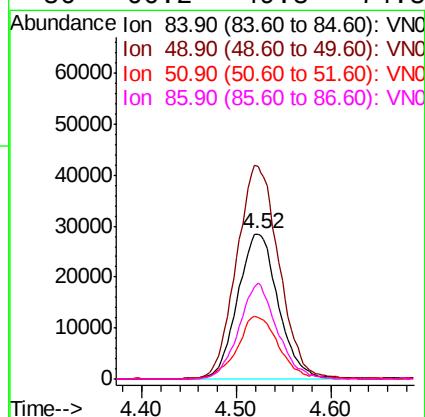
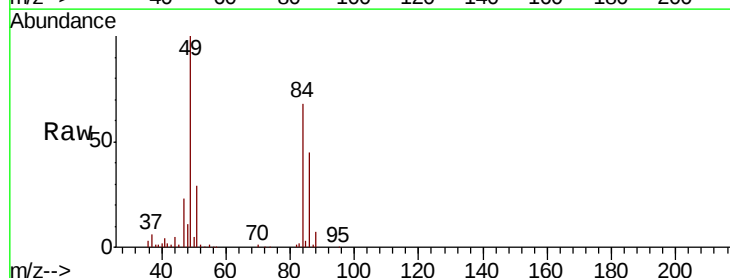
Tgt Ion: 73 Resp: 267866
 Ion Ratio Lower Upper
 73 100
 57 21.8 19.1 28.7

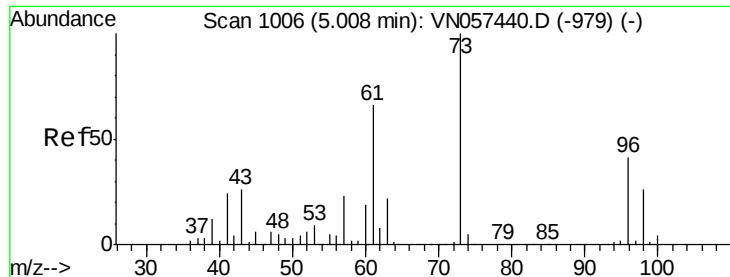


#20

Methylene Chloride
 Concen: 20.452 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 84 Resp: 85020
 Ion Ratio Lower Upper
 84 100
 49 145.3 117.0 175.4
 51 42.3 35.5 53.3
 86 66.2 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.395 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

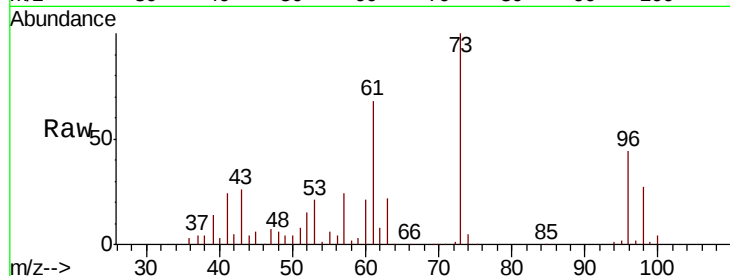
Tgt Ion: 96 Resp: 76519

Ion Ratio Lower Upper

96 100

61 152.7 127.9 191.9

98 60.7 50.6 76.0

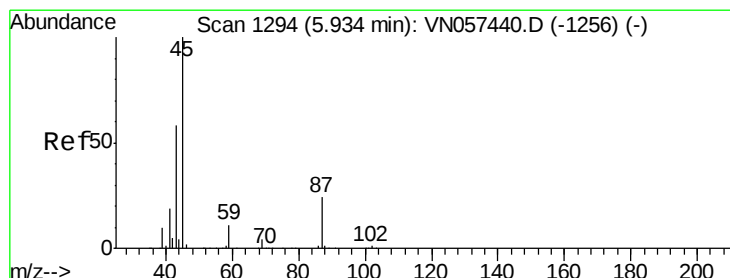
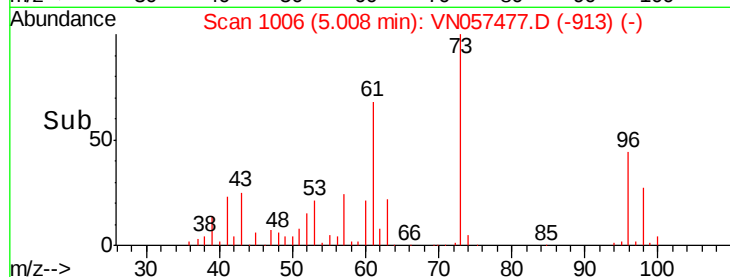
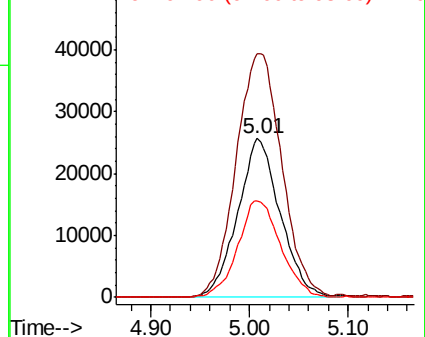


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 20.044 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion: 45 Resp: 335234

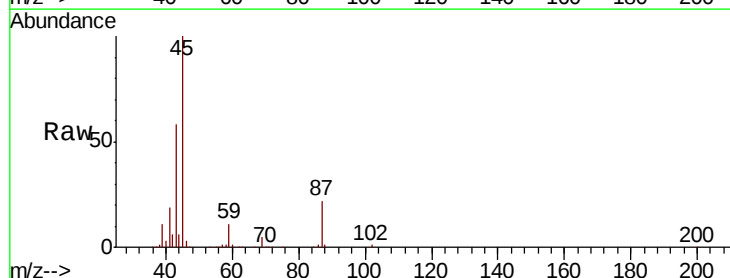
Ion Ratio Lower Upper

45 100

43 58.0 46.9 70.3

87 21.6 19.3 28.9

59 11.0 8.7 13.1



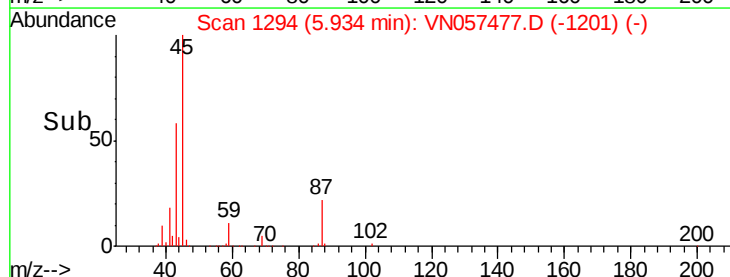
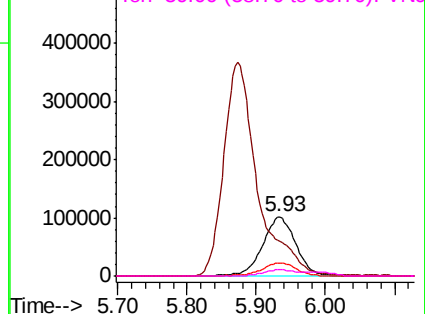
Abundance

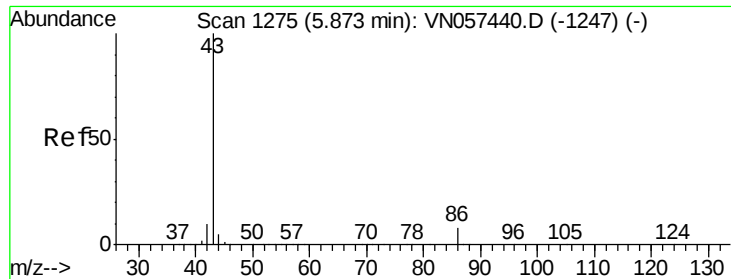
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 95.506 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

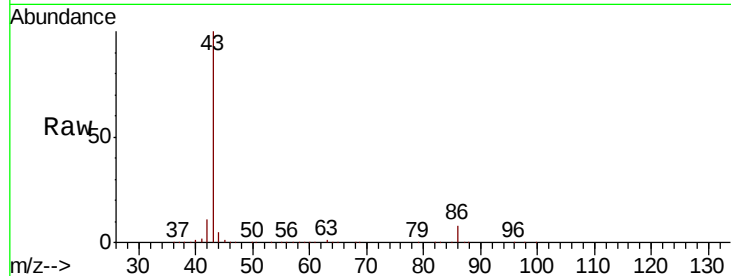
VN0824WBS01

Tgt Ion: 43 Resp: 1247599

Ion Ratio Lower Upper

43 100

86 8.4 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

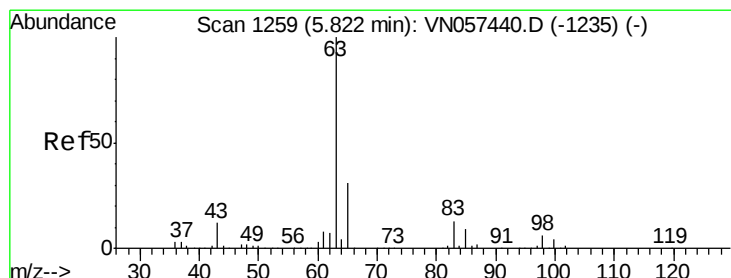
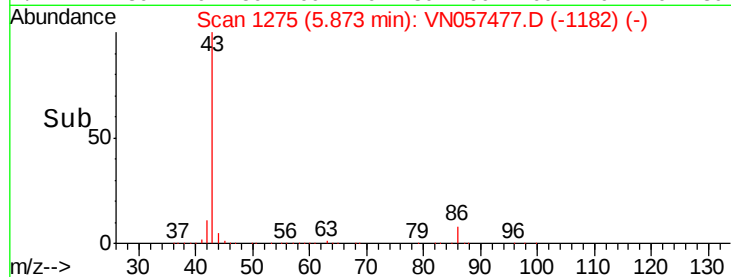
300000

200000

100000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 19.609 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

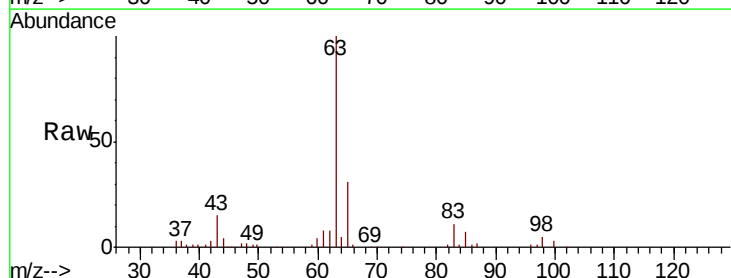
Tgt Ion: 63 Resp: 173803

Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.6

100 3.1 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

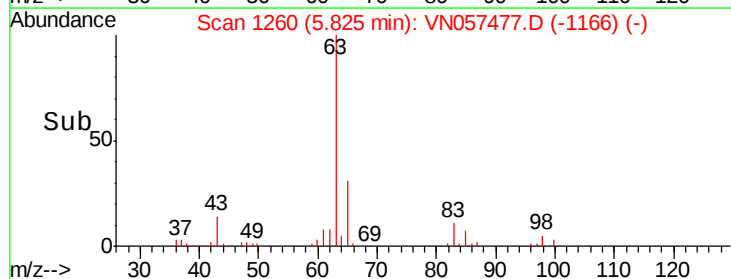
60000

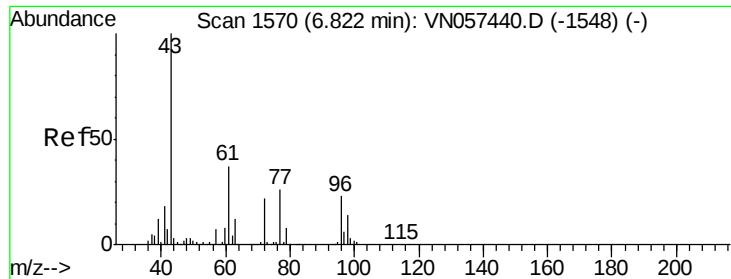
40000

20000

0

Time--> 5.70 5.80 5.90

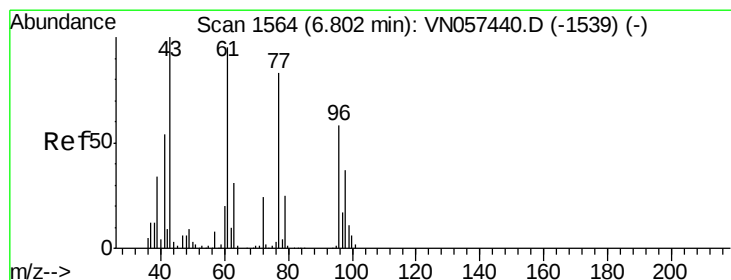
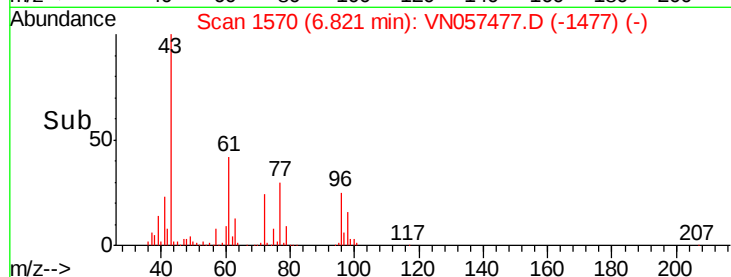
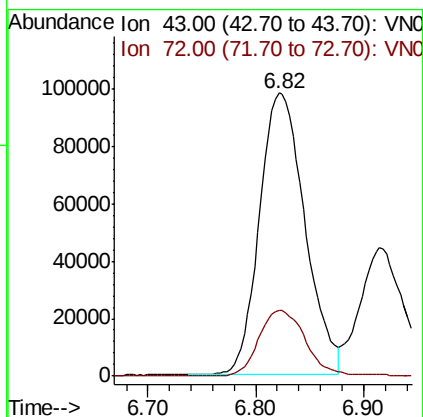
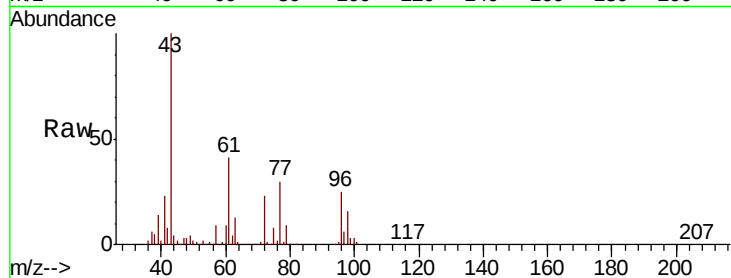




#25
 2-Butanone
 Concen: 94.548 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

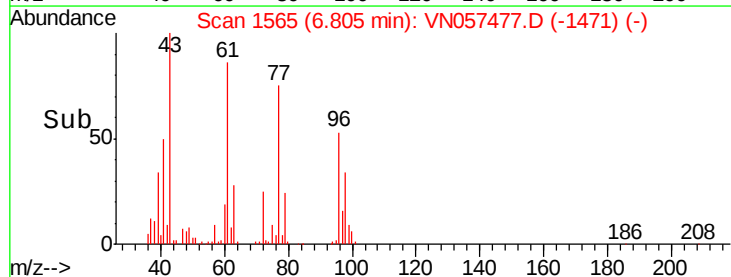
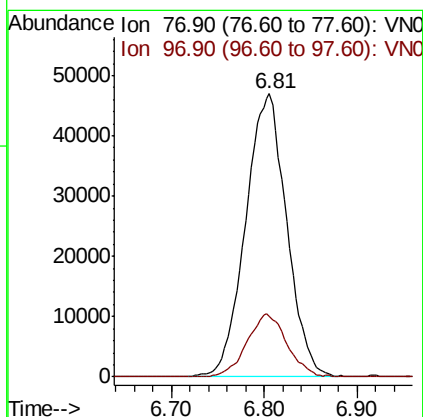
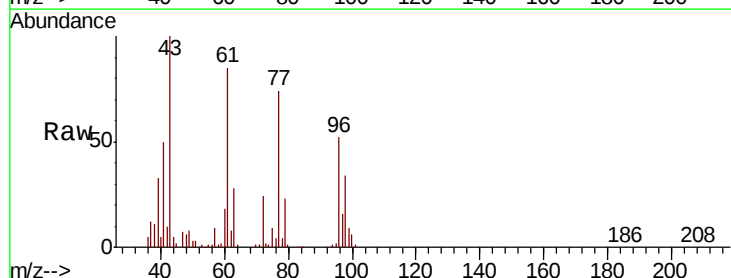
Instrument :
 MSVOA_N
 ClientSampled :
 VN0824WBS01

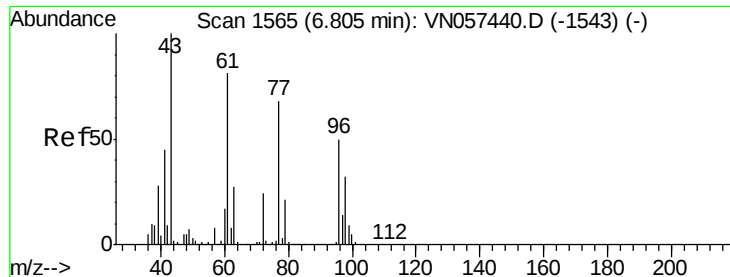
Tgt Ion: 43 Resp: 287233
 Ion Ratio Lower Upper
 43 100
 72 23.5 17.8 26.8



#26
 2,2-Dichloropropane
 Concen: 18.880 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 77 Resp: 144918
 Ion Ratio Lower Upper
 77 100
 97 21.6 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.176 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

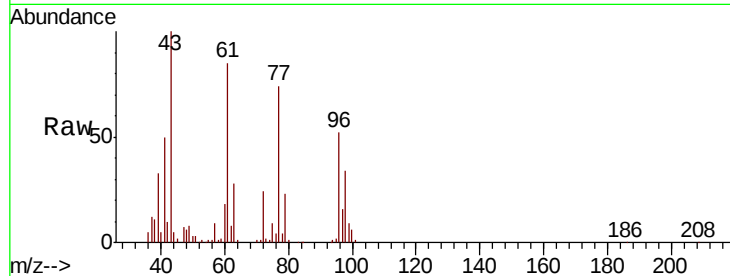
Tgt Ion: 96 Resp: 94556

Ion Ratio Lower Upper

96 100

61 167.6 0.0 334.8

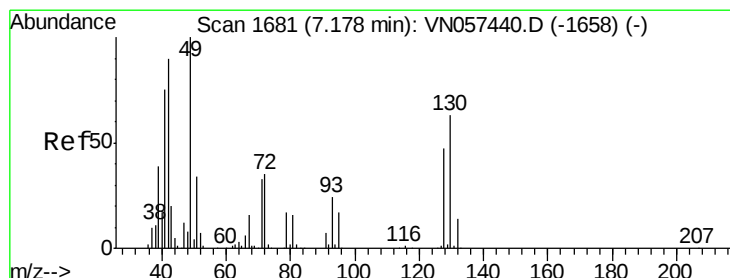
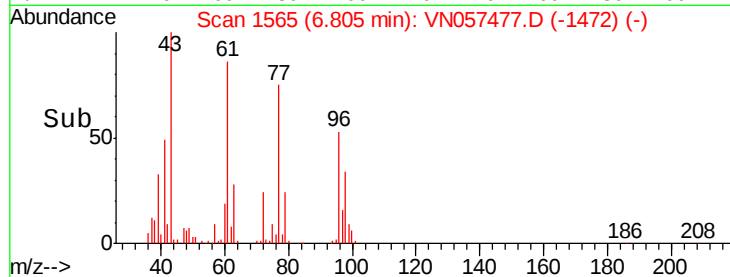
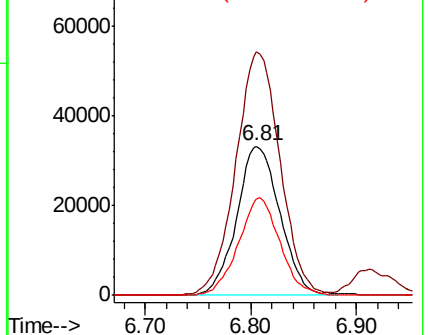
98 62.8 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.676 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

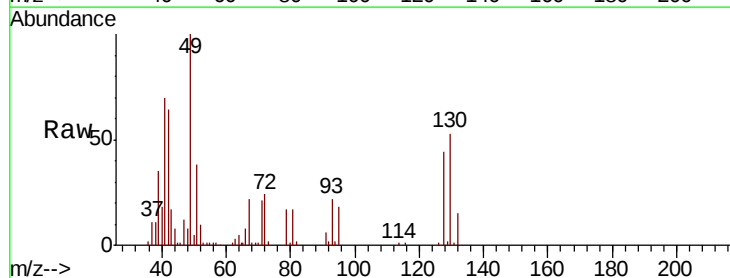
Tgt Ion: 49 Resp: 103462

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.6

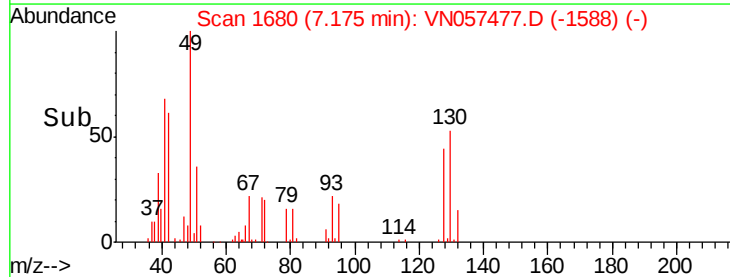
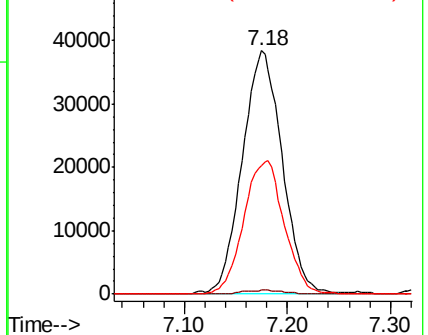
130 55.2 48.6 72.8

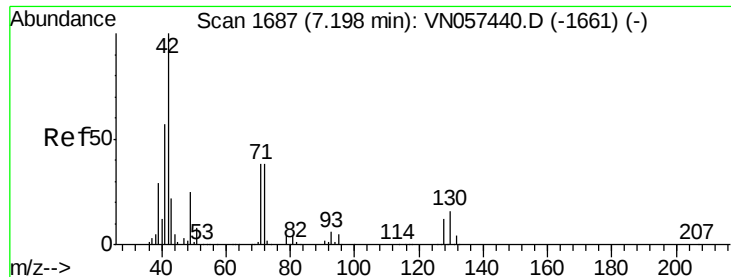


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 96.585 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

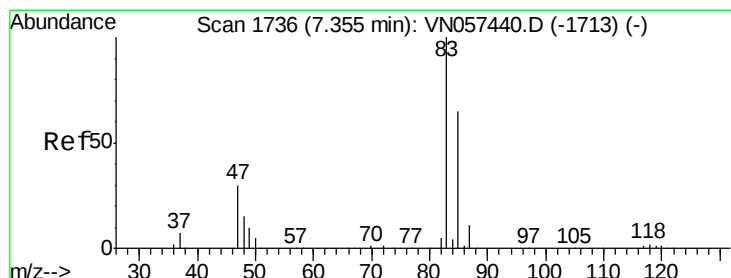
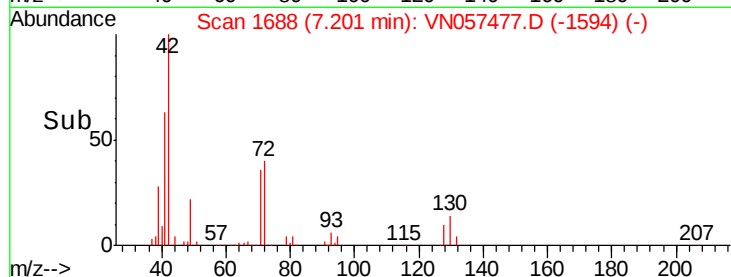
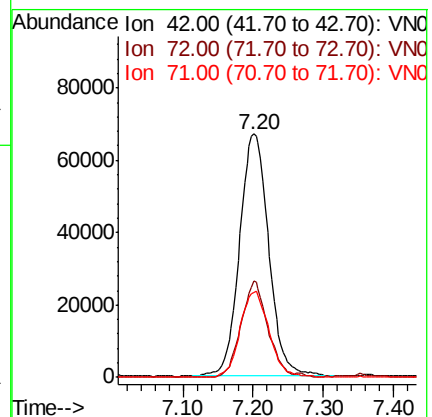
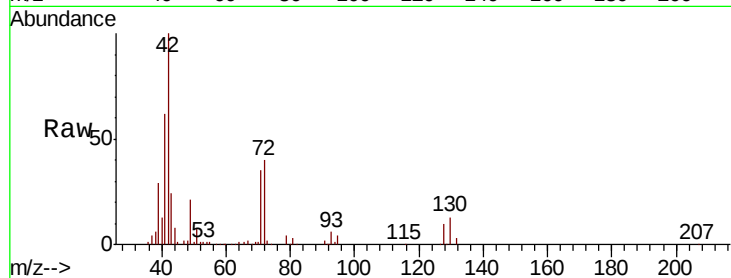
Tgt Ion: 42 Resp: 193481

Ion Ratio Lower Upper

42 100

72 36.3 30.1 45.1

71 35.3 28.8 43.2



#30

Chloroform

Concen: 20.362 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VN057477.D

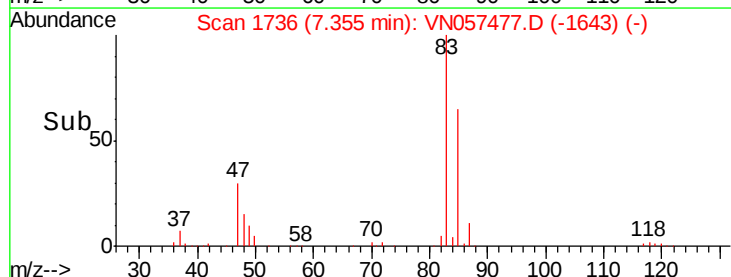
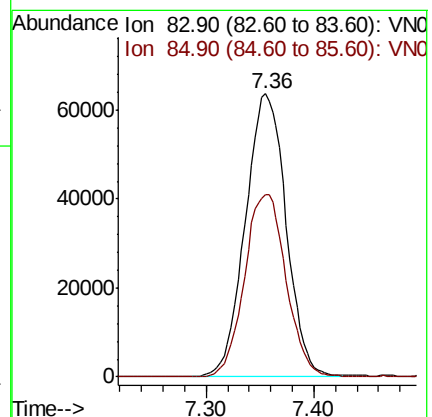
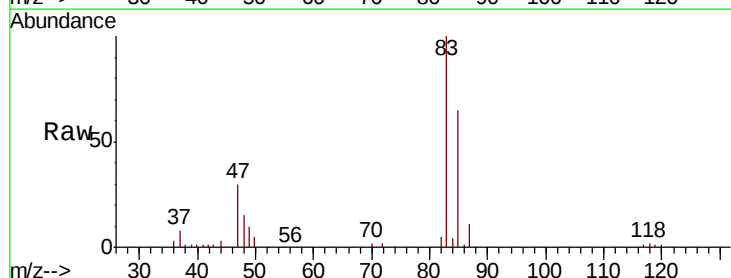
Acq: 23 Aug 2019 17:29

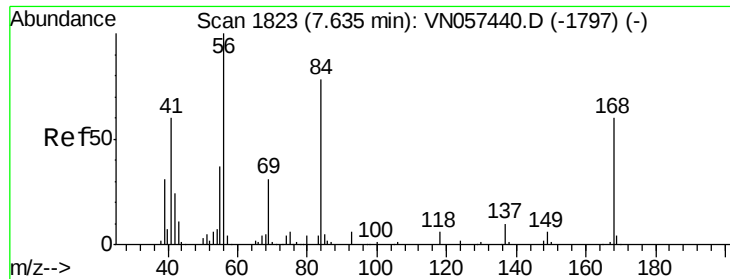
Tgt Ion: 83 Resp: 167095

Ion Ratio Lower Upper

83 100

85 64.3 51.9 77.9

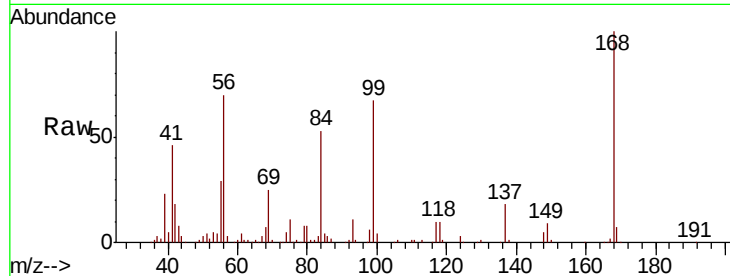




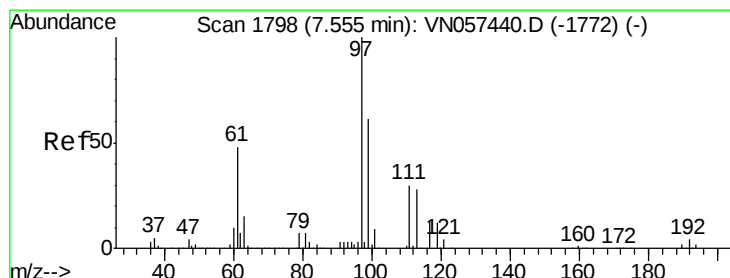
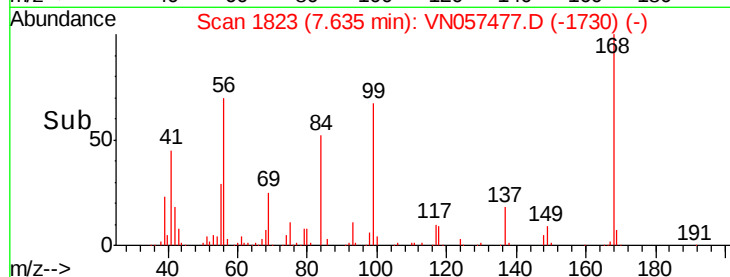
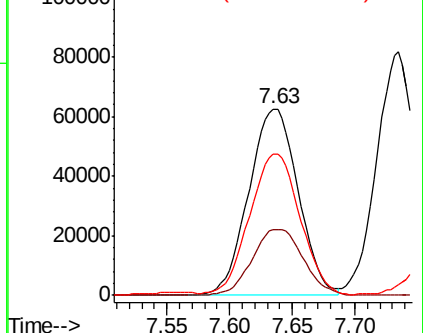
#31
Cyclohexane
Concen: 20.067 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

Tgt Ion: 56 Resp: 171728
Ion Ratio Lower Upper
56 100
69 35.1 25.0 37.6
84 73.8 62.5 93.7

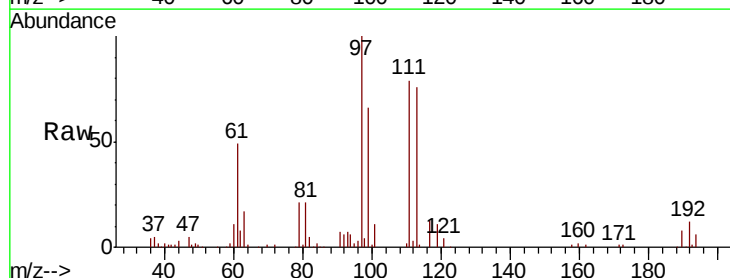


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

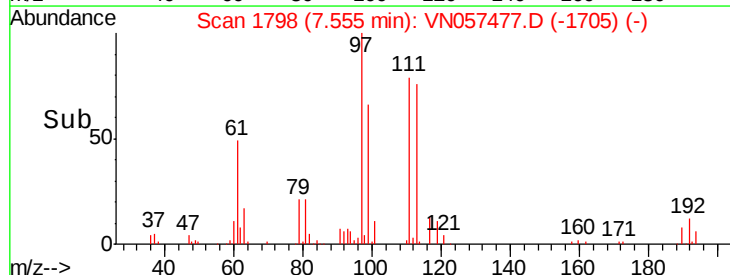
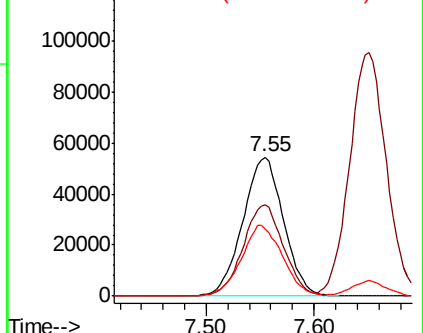


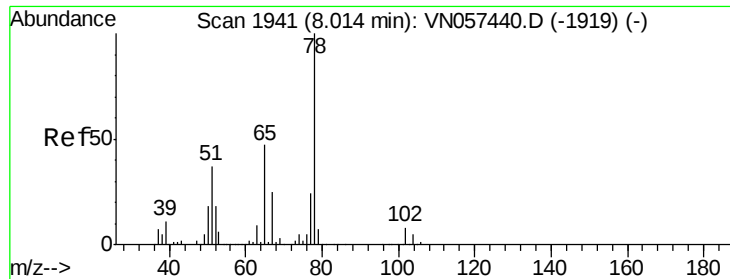
#32
1,1,1-Trichloroethane
Concen: 18.746 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion: 97 Resp: 142532
Ion Ratio Lower Upper
97 100
99 65.1 51.0 76.6
61 51.4 39.8 59.6



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC

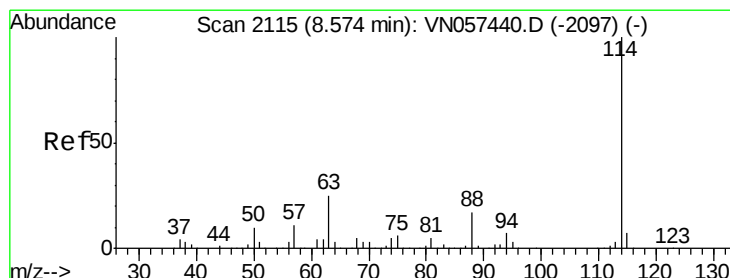
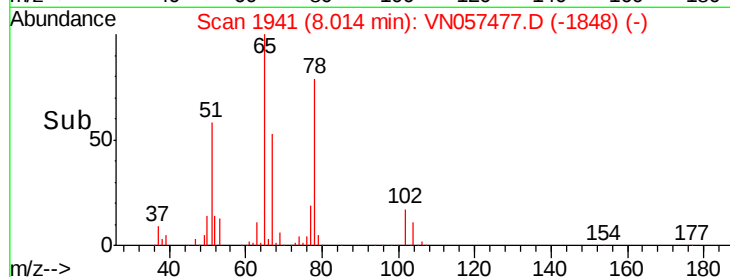
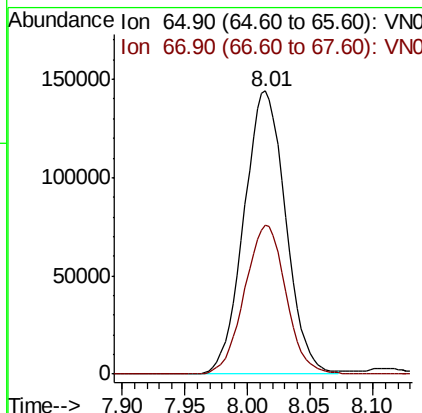
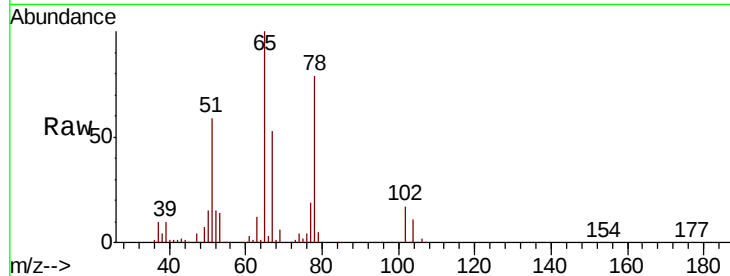




#33
 1,2-Dichloroethane-d4
 Concen: 54.821 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

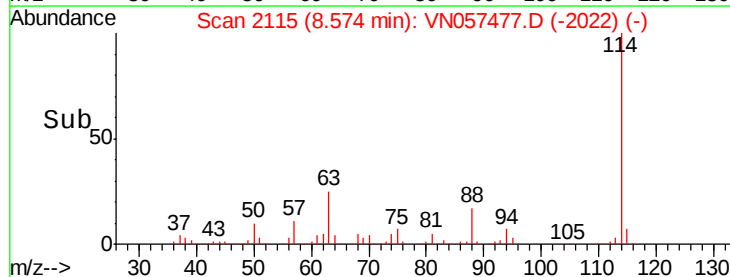
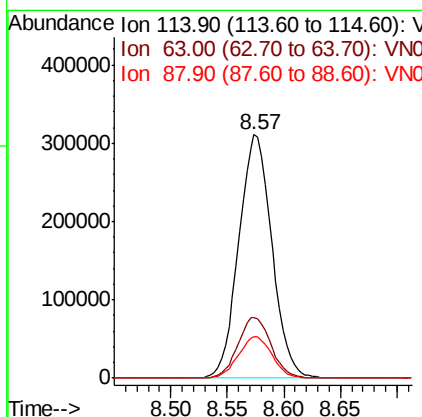
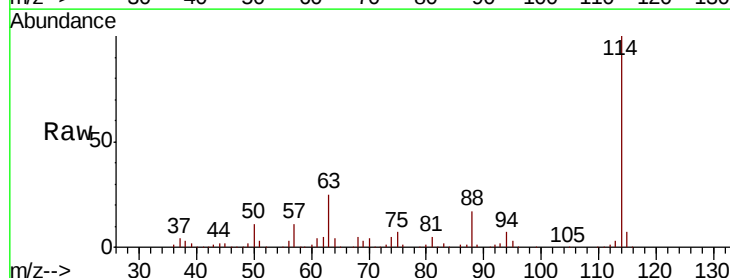
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

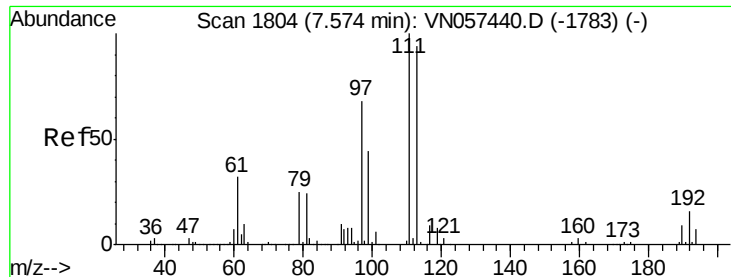
Tgt Ion: 65 Resp: 333972
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 114 Resp: 634865
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.2
 88 17.2 0.0 34.6

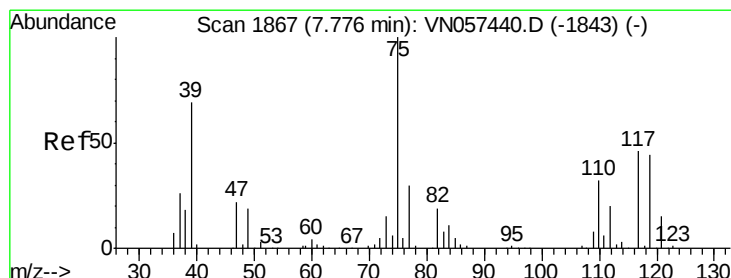
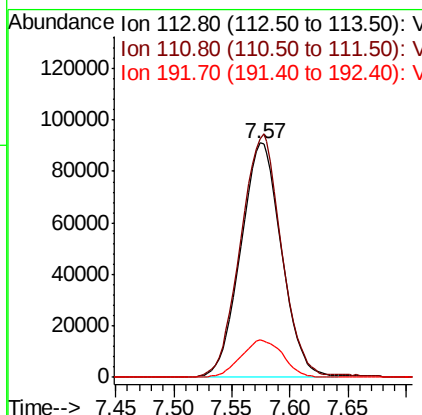
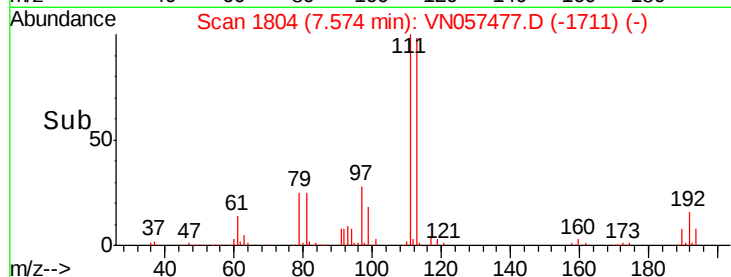
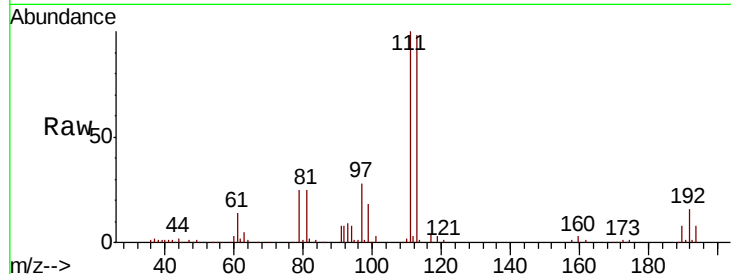




#35
 Dibromofluoromethane
 Concen: 52.088 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

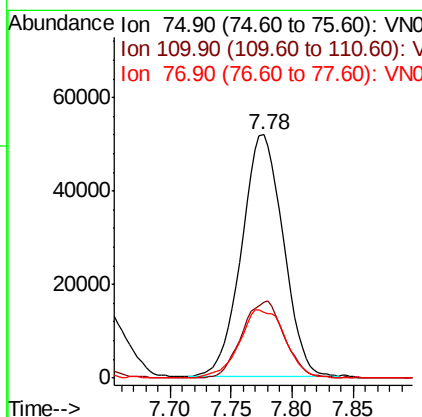
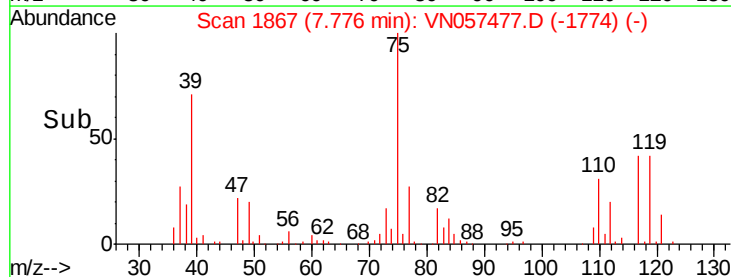
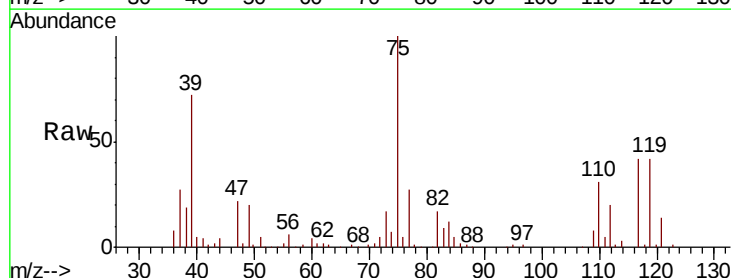
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

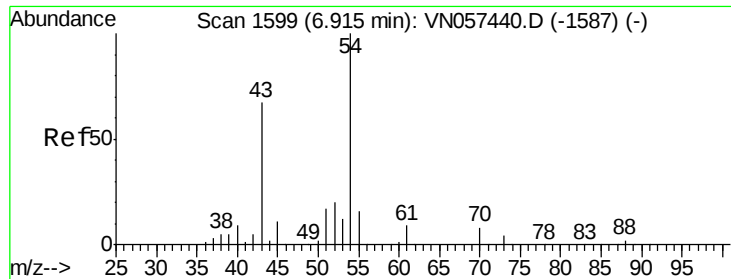
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	83.8	125.6
192	16.4	13.5	20.3



#36
 1,1-Dichloropropene
 Concen: 18.842 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.6	16.1	48.3
77	31.2	24.8	37.2

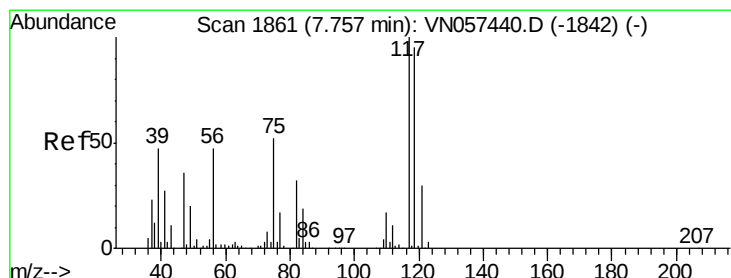
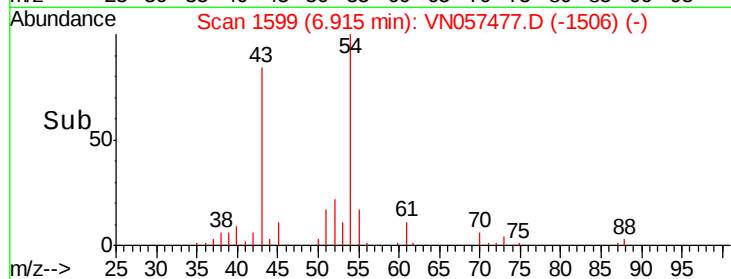
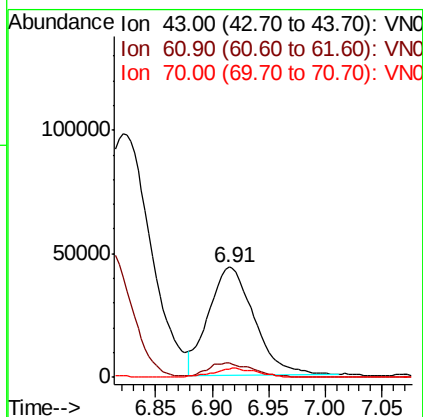
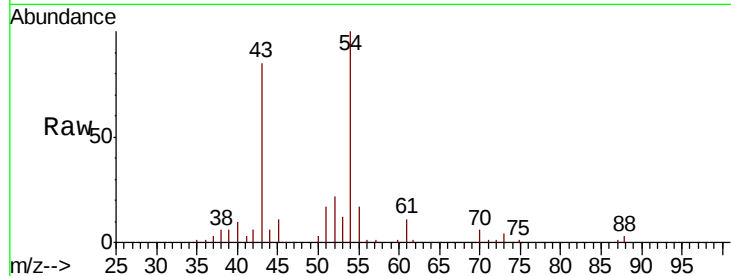




#37
 Ethyl Acetate
 Concen: 18.937 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

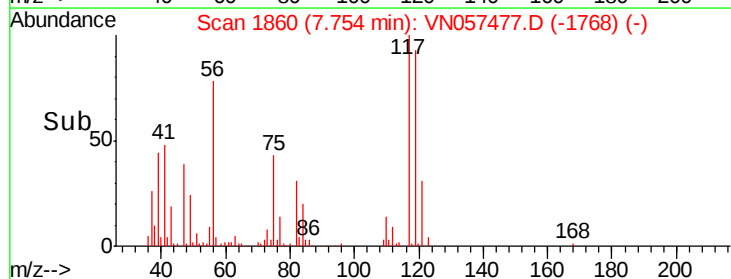
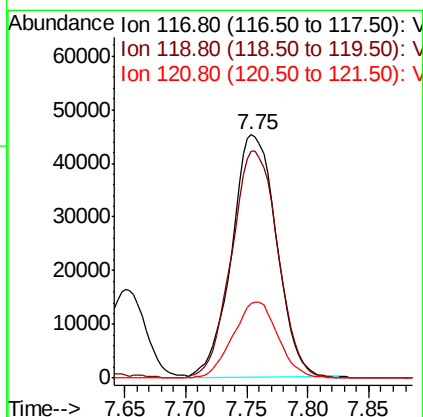
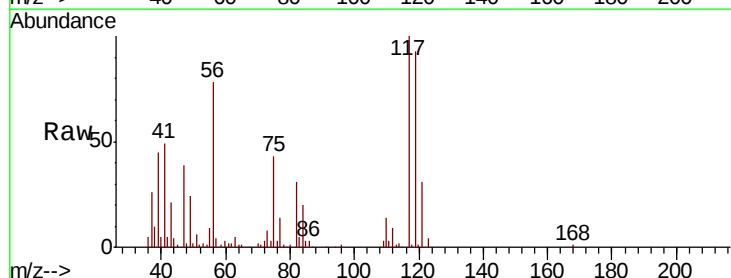
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

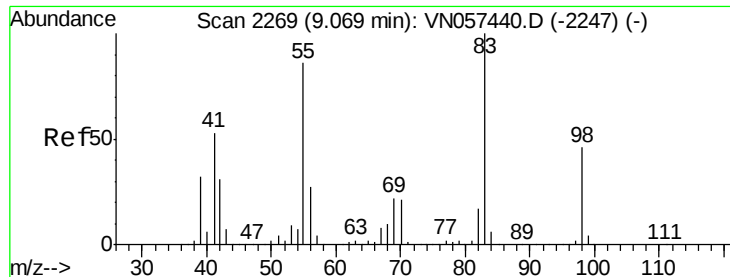
Tgt Ion: 43 Resp: 121387
 Ion Ratio Lower Upper
 43 100
 61 12.6 9.9 14.9
 70 8.3 7.0 10.6



#38
 Carbon Tetrachloride
 Concen: 17.797 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 117 Resp: 114694
 Ion Ratio Lower Upper
 117 100
 119 93.8 76.2 114.4
 121 30.9 23.8 35.6

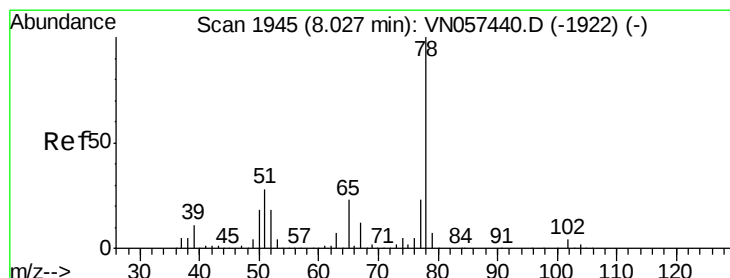
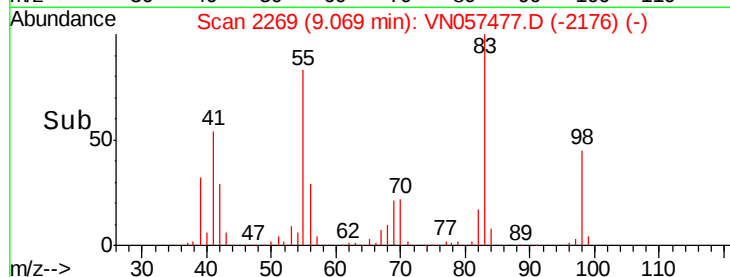
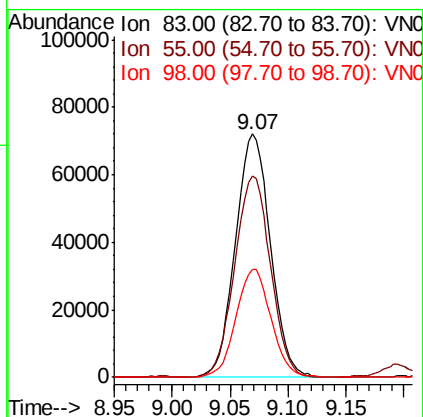
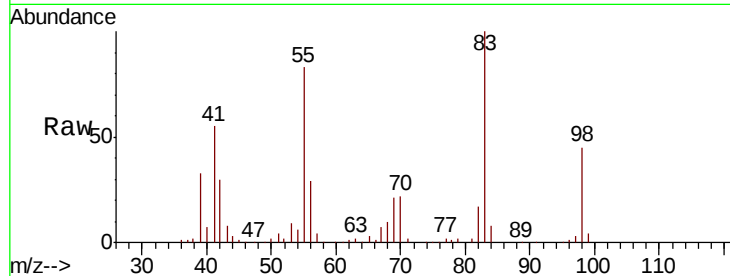




#39
Methylcyclohexane
Concen: 19.656 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

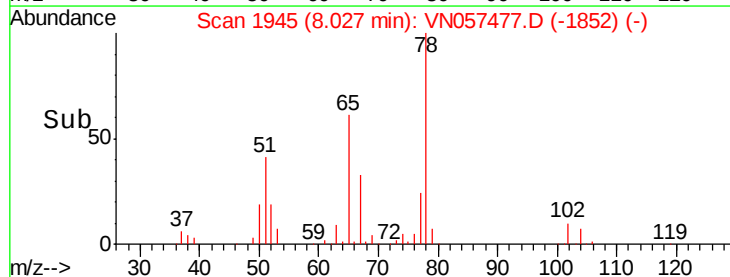
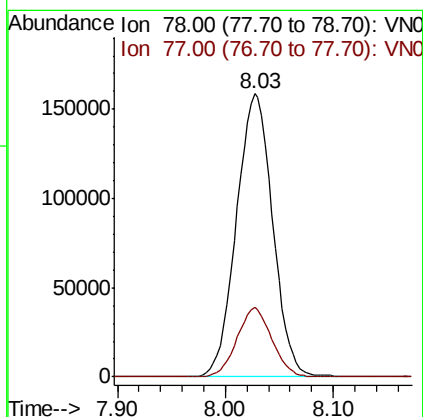
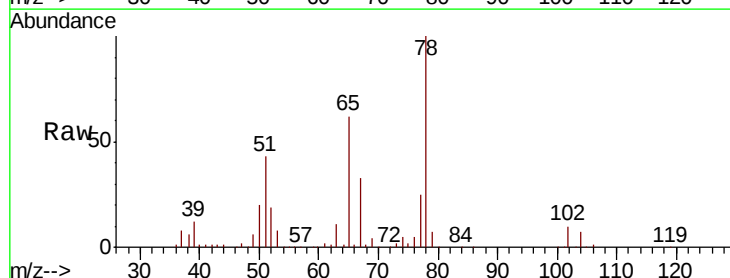
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

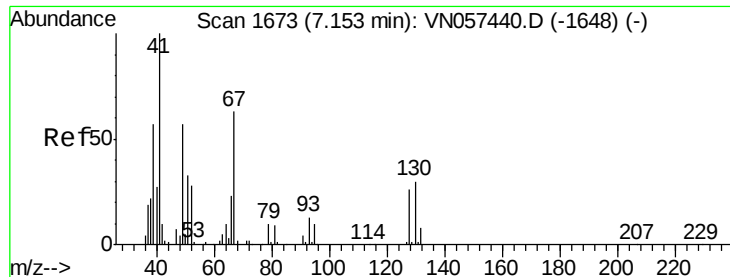
Tgt Ion: 83 Resp: 151441
Ion Ratio Lower Upper
83 100
55 82.9 68.6 102.8
98 44.5 36.6 54.8



#40
Benzene
Concen: 19.070 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion: 78 Resp: 371310
Ion Ratio Lower Upper
78 100
77 24.7 18.5 27.7





#41

Methacrylonitrile

Concen: 18.013 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

Tgt Ion: 41 Resp: 55058

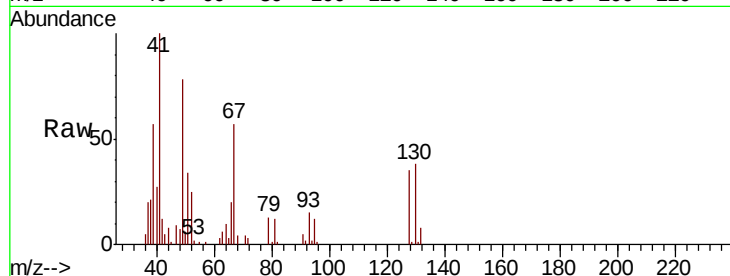
Ion Ratio Lower Upper

41 100

39 65.6 53.6 80.4

67 81.9 65.4 98.2

52 35.4 29.8 44.6

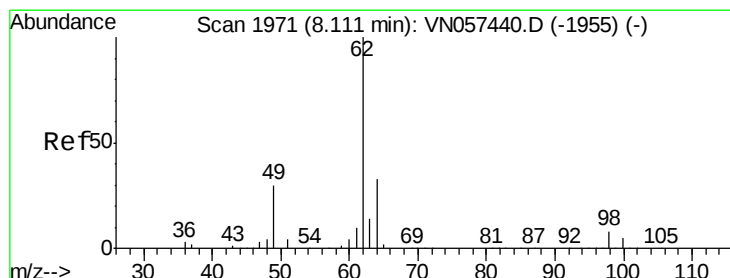
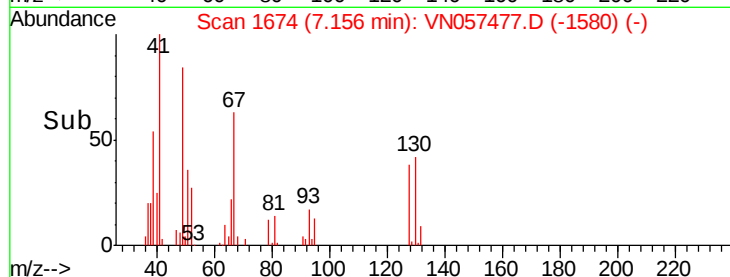
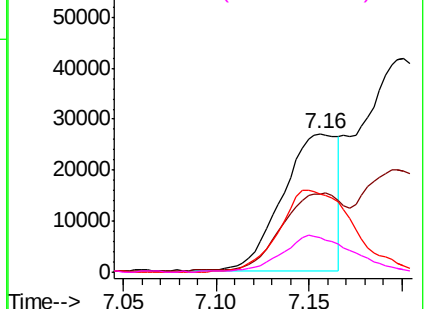


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 19.570 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VN057477.D

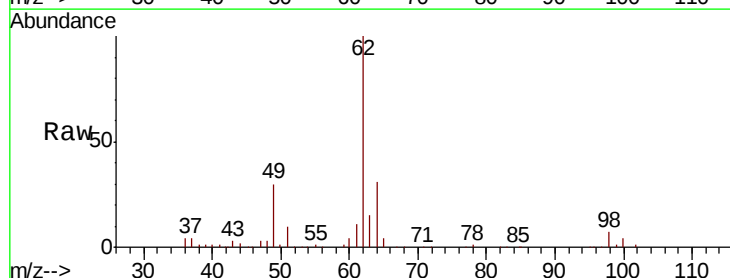
Acq: 23 Aug 2019 17:29

Tgt Ion: 62 Resp: 146711

Ion Ratio Lower Upper

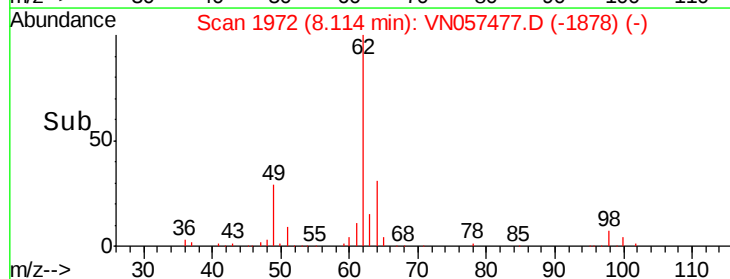
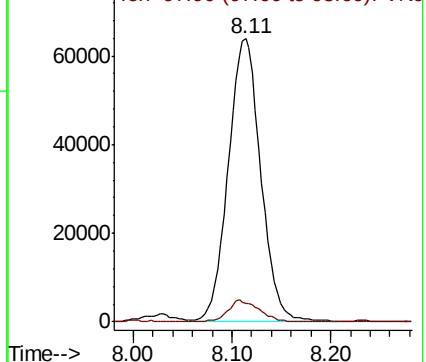
62 100

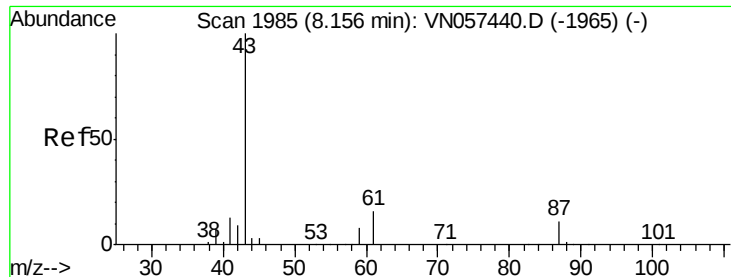
98 7.4 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 18.448 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

VN0824WBS01

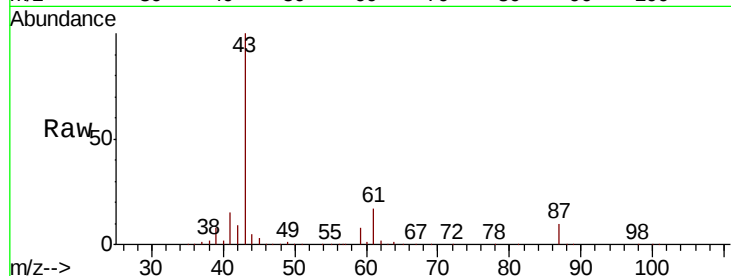
Tgt Ion: 43 Resp: 216835

Ion Ratio Lower Upper

43 100

61 17.9 14.5 21.7

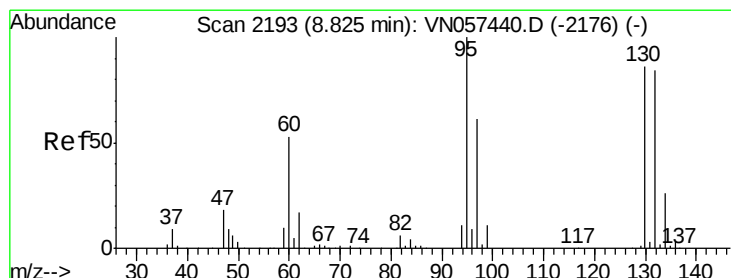
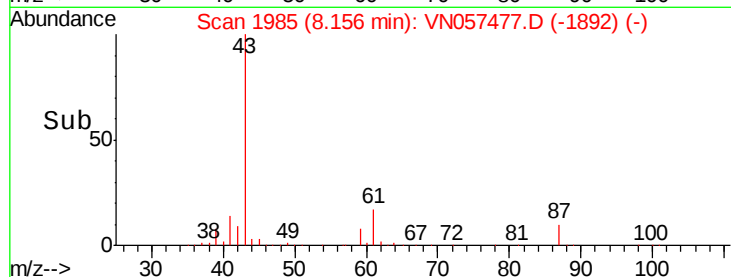
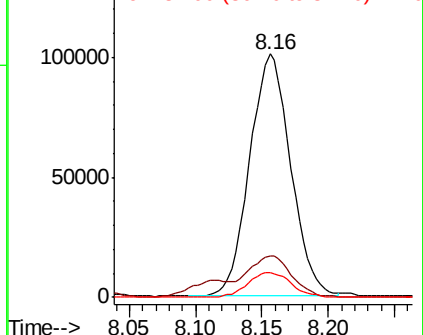
87 10.8 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#44

Trichloroethene

Concen: 19.239 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057477.D

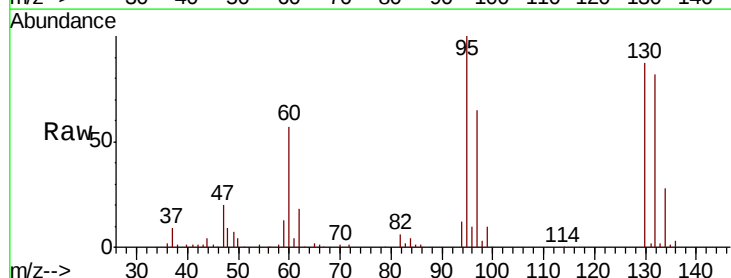
Acq: 23 Aug 2019 17:29

Tgt Ion: 130 Resp: 83616

Ion Ratio Lower Upper

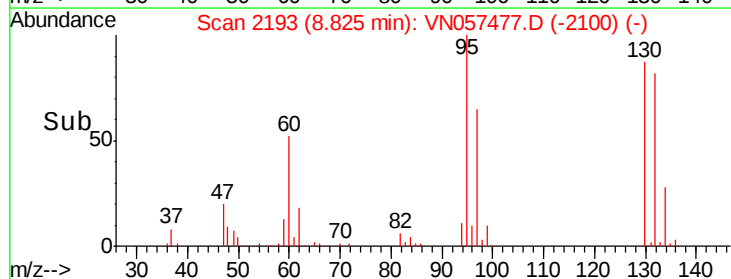
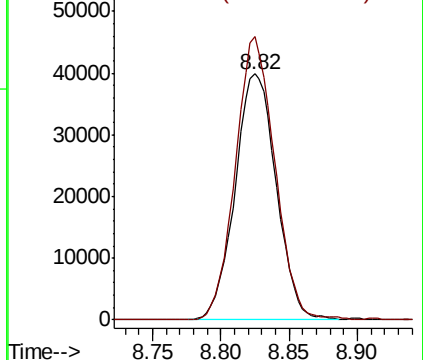
130 100

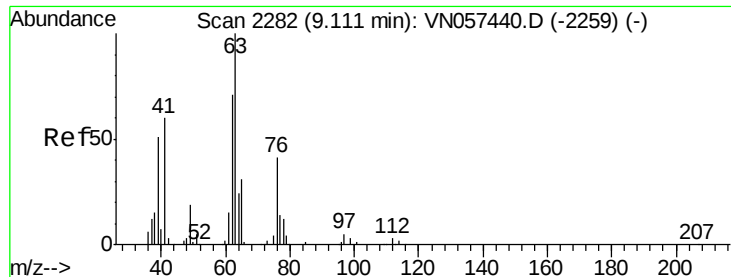
95 115.2 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

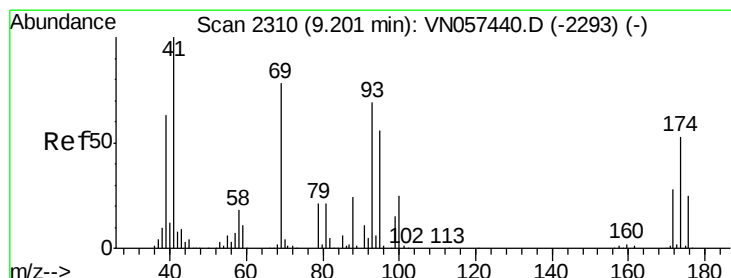
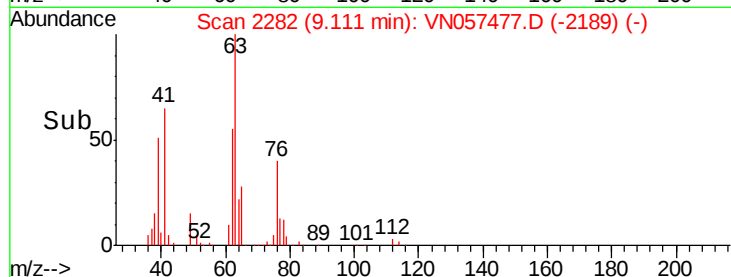
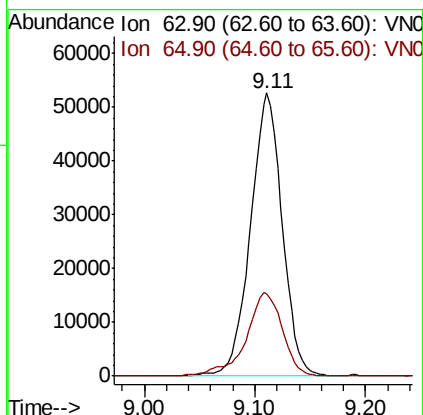
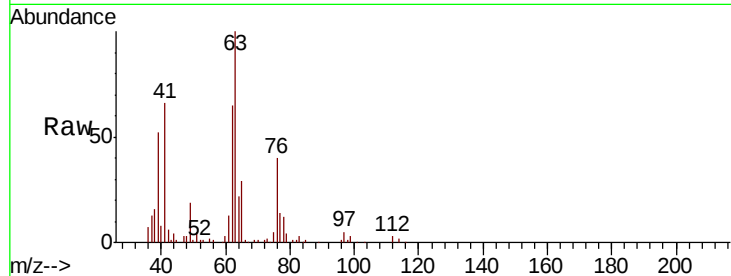




#45
 1,2-Dichloropropane
 Concen: 19.172 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

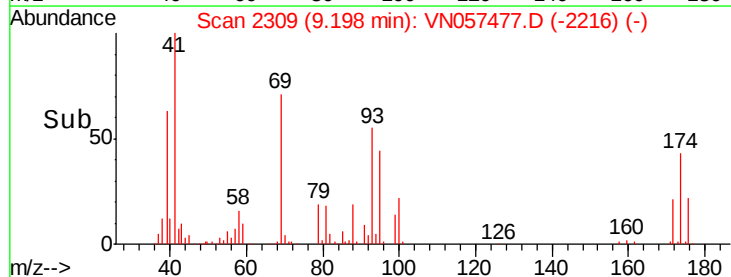
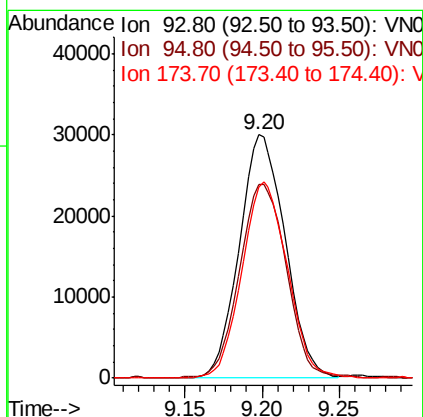
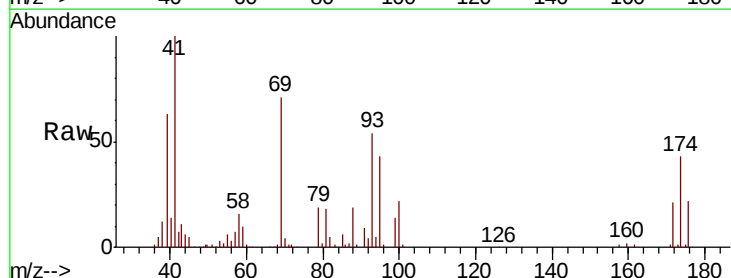
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

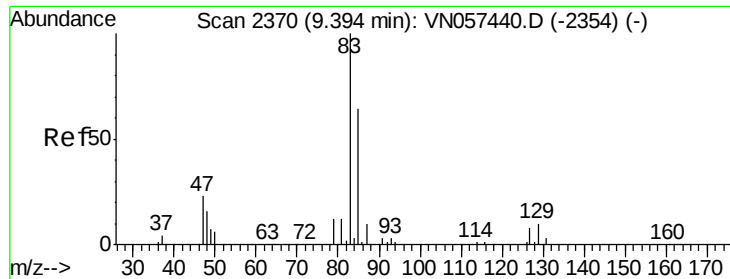
Tgt Ion: 63 Resp: 105128
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.7 37.1



#46
 Dibromomethane
 Concen: 19.014 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 93 Resp: 61859
 Ion Ratio Lower Upper
 93 100
 95 81.6 64.7 97.1
 174 79.8 62.3 93.5





#47

Bromodichloromethane

Concen: 17.980 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

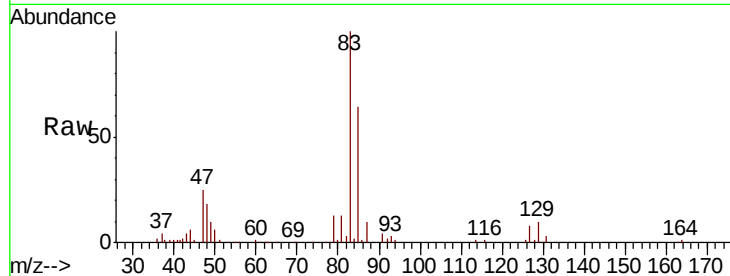
Tgt Ion: 83 Resp: 130074

Ion Ratio Lower Upper

83 100

85 64.4 51.2 76.8

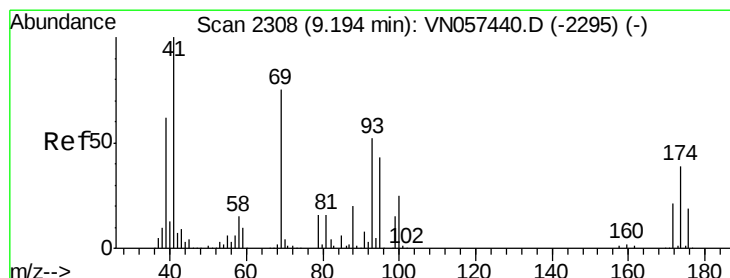
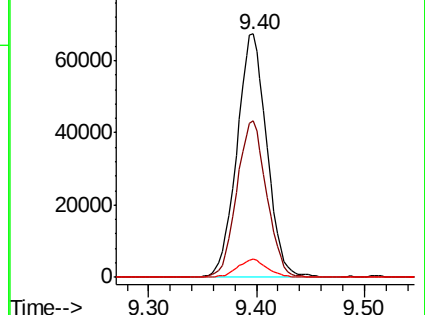
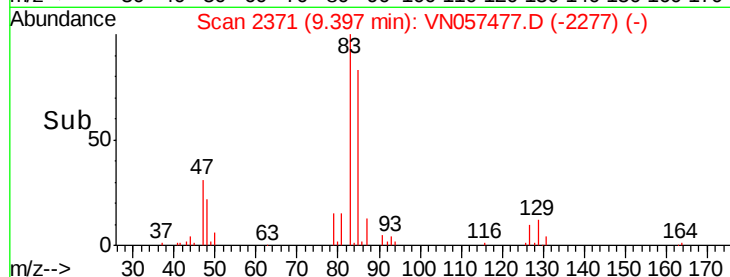
127 7.6 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.222 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

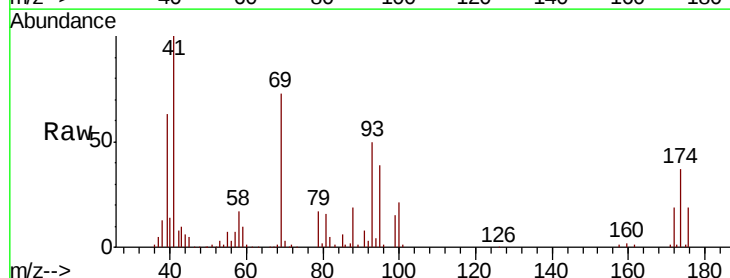
Tgt Ion: 41 Resp: 107435

Ion Ratio Lower Upper

41 100

69 74.2 59.3 88.9

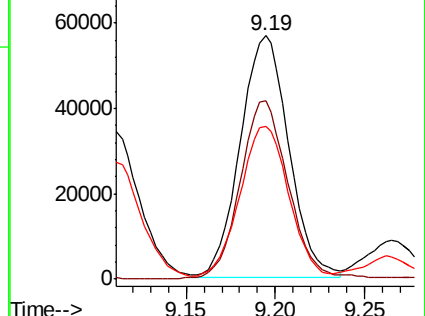
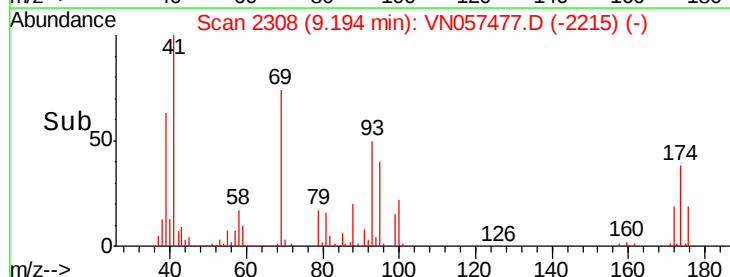
39 63.2 50.6 75.8

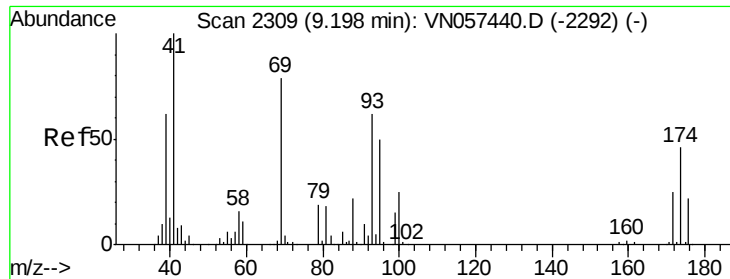


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 363.168 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

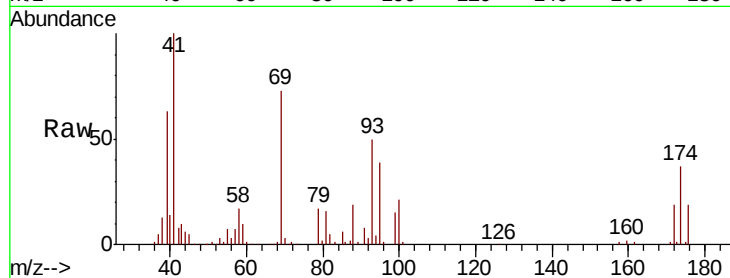
Tgt Ion: 88 Resp: 26248

Ion Ratio Lower Upper

88 100

43 41.2 31.0 46.6

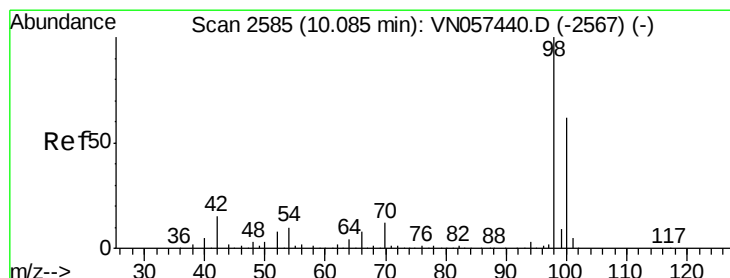
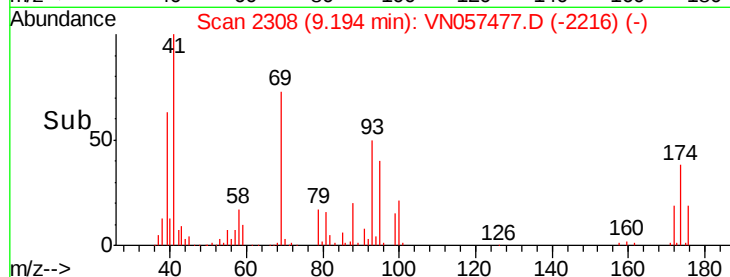
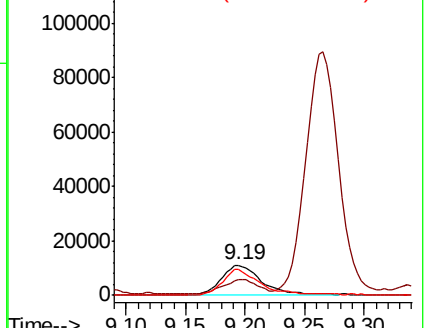
58 76.9 64.5 96.7



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.013 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057477.D

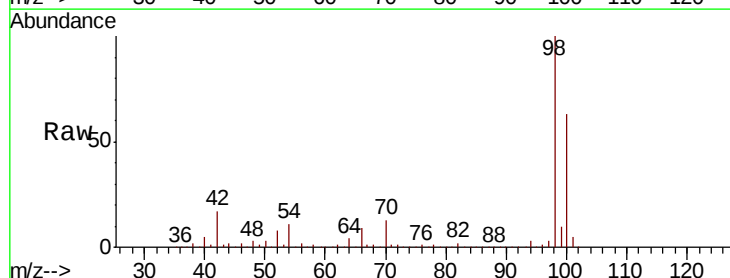
Acq: 23 Aug 2019 17:29

Tgt Ion: 98 Resp: 843375

Ion Ratio Lower Upper

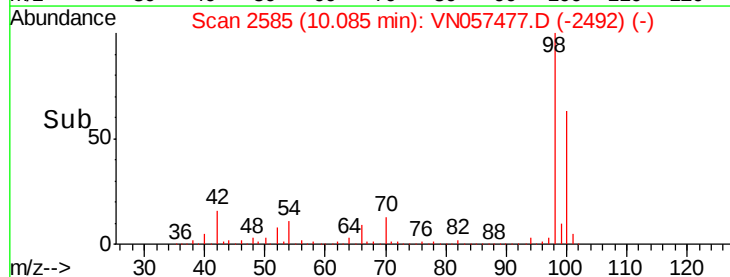
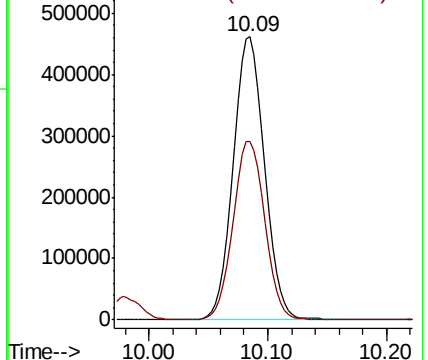
98 100

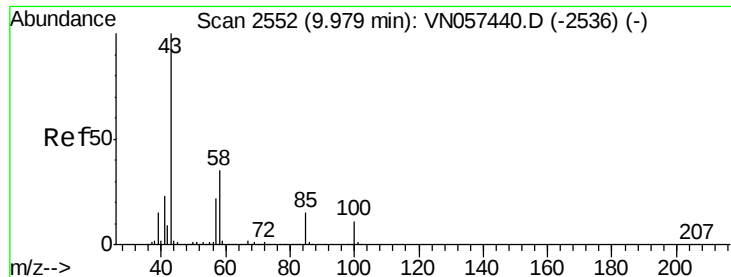
100 63.6 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

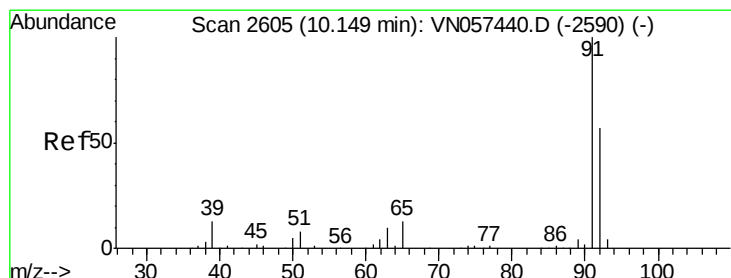
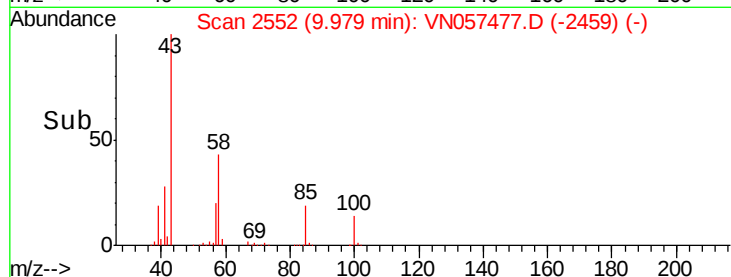
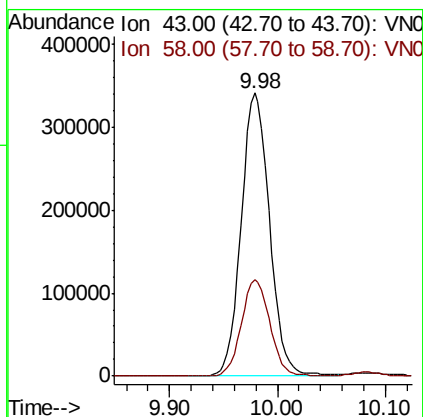
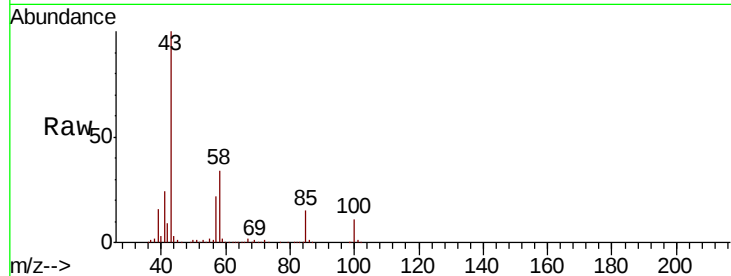




#51
 4-Methyl-2-Pentanone
 Concen: 94.616 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

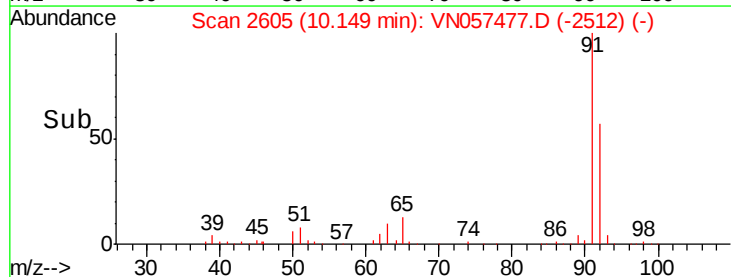
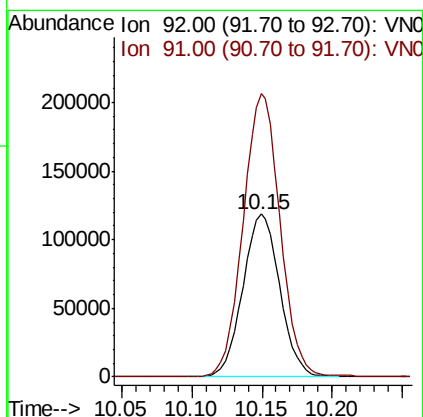
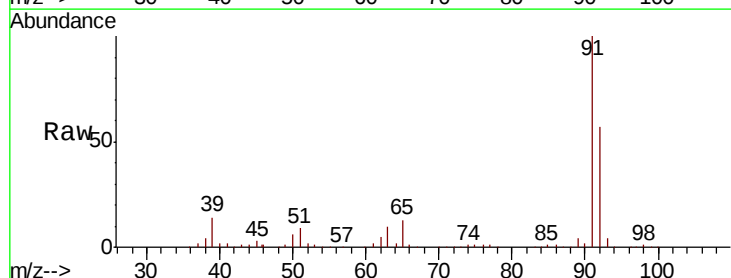
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

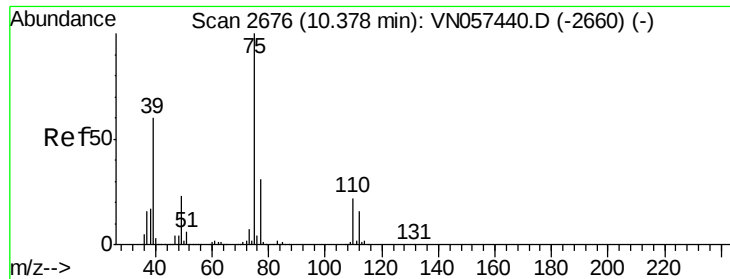
Tgt Ion: 43 Resp: 619783
 Ion Ratio Lower Upper
 43 100
 58 34.5 27.9 41.9



#52
 Toluene
 Concen: 19.389 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 92 Resp: 217577
 Ion Ratio Lower Upper
 92 100
 91 174.5 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 17.753 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

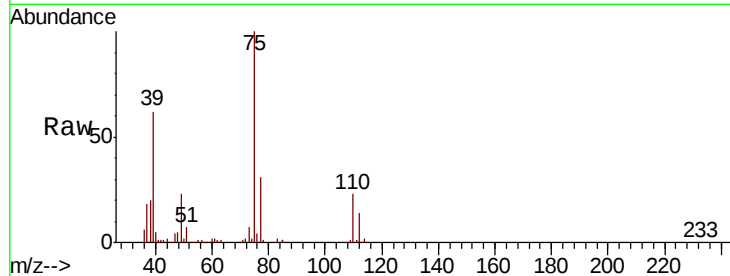
VN0824WBS01

Tgt Ion: 75 Resp: 134526

Ion Ratio Lower Upper

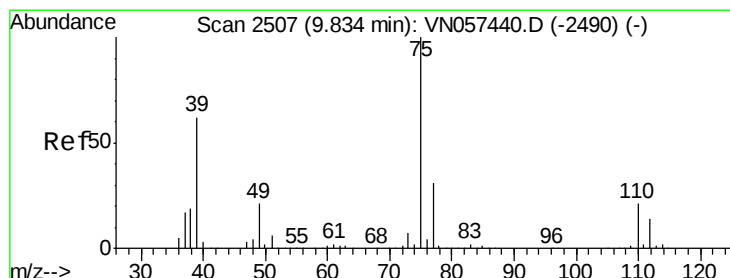
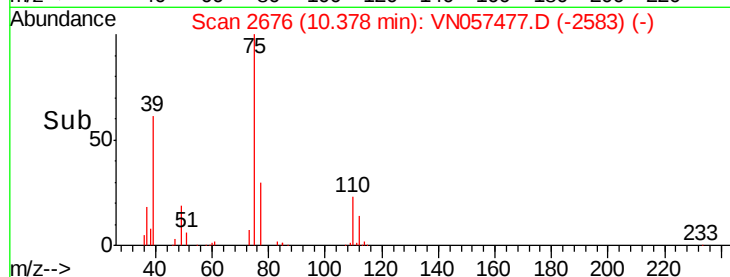
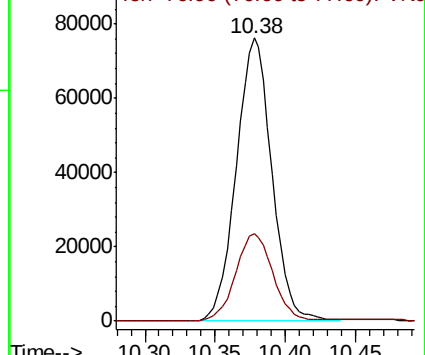
75 100

77 30.5 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.246 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

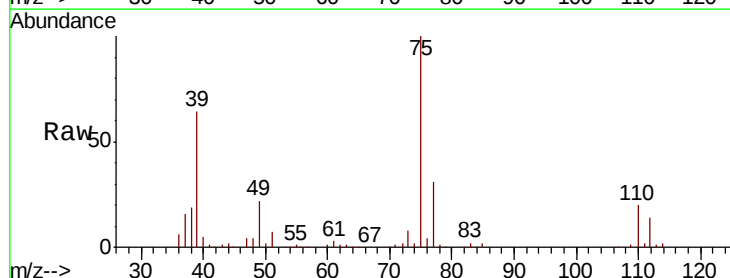
Tgt Ion: 75 Resp: 153939

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6

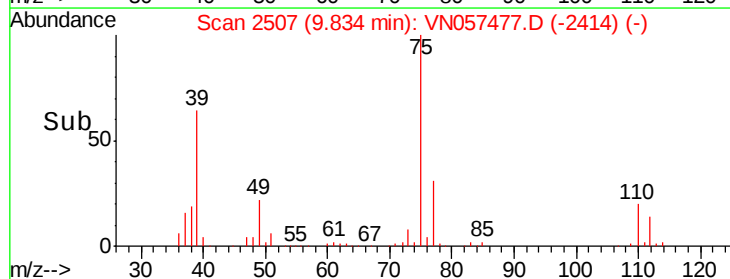
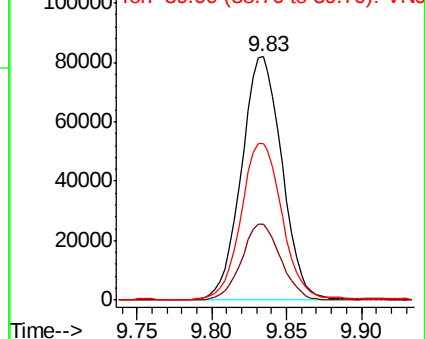
39 64.2 49.2 73.8

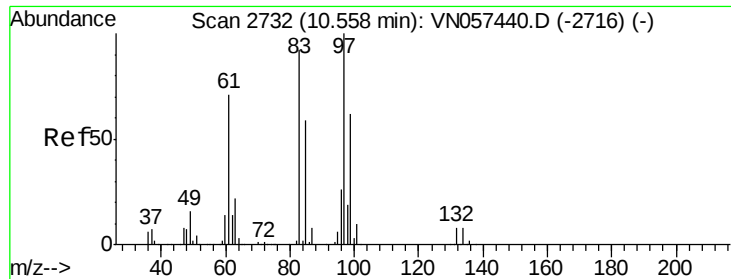


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 18.399 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

Tgt Ion: 97 Resp: 83498

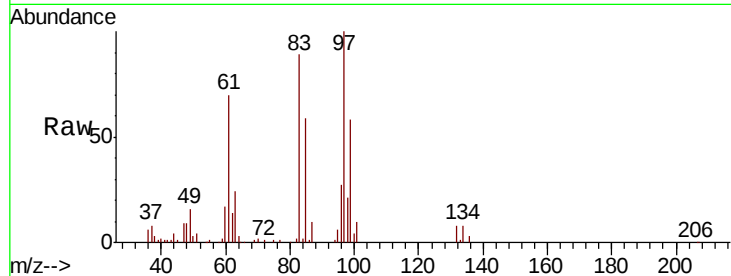
Ion Ratio Lower Upper

97 100

83 88.5 73.7 110.5

85 58.7 46.8 70.2

99 57.4 49.8 74.8

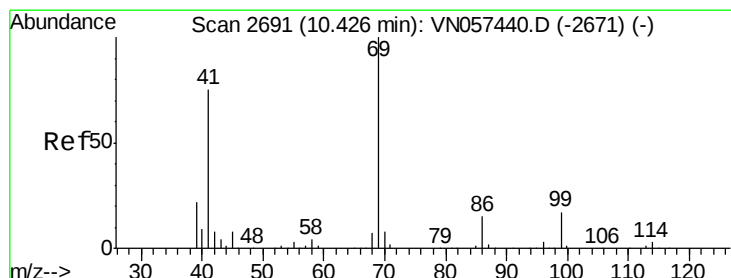
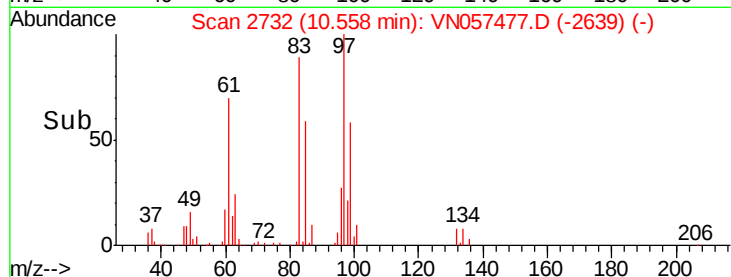
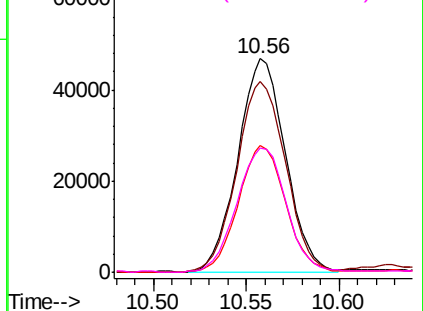


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 18.553 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

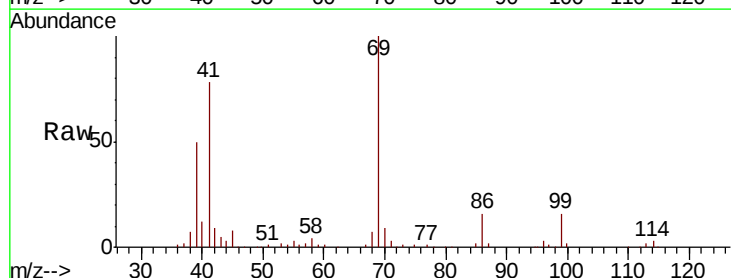
Tgt Ion: 69 Resp: 132443

Ion Ratio Lower Upper

69 100

41 78.4 60.8 91.2

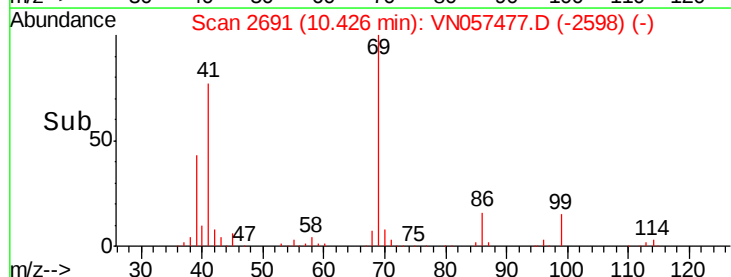
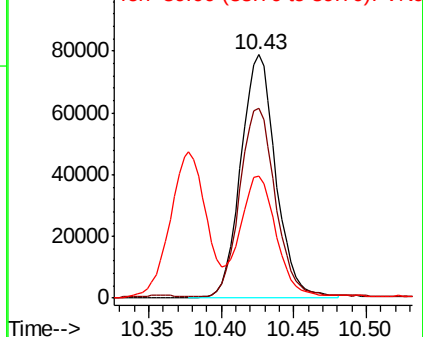
39 48.7 36.5 54.7

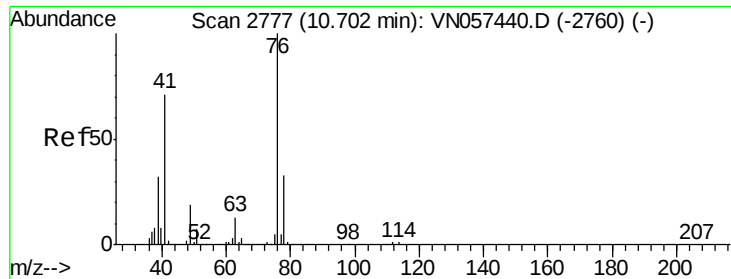


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.123 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

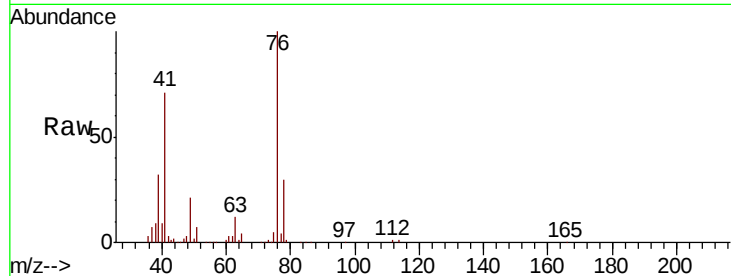
VN0824WBS01

Tgt Ion: 76 Resp: 151041

Ion Ratio Lower Upper

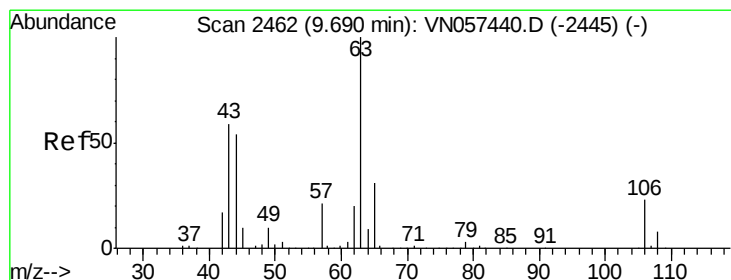
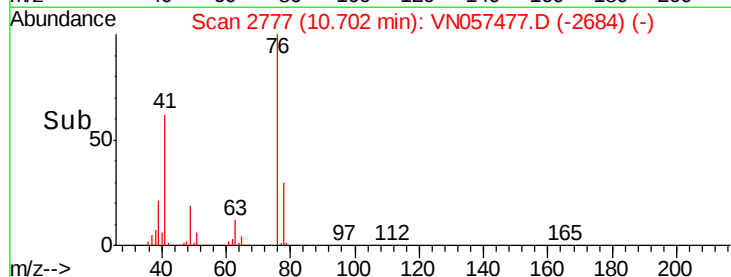
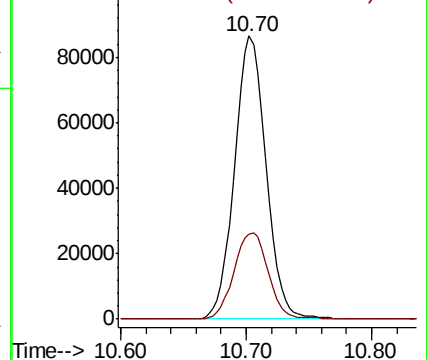
76 100

78 32.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 127.667 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057477.D

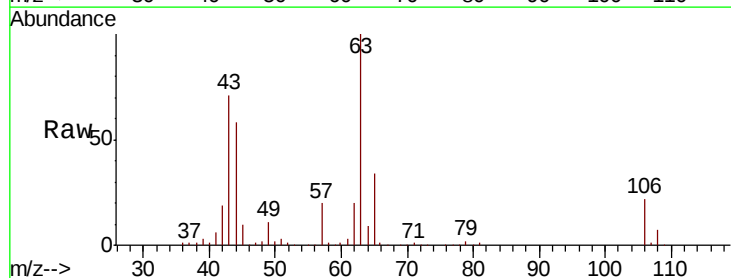
Acq: 23 Aug 2019 17:29

Tgt Ion: 63 Resp: 236010

Ion Ratio Lower Upper

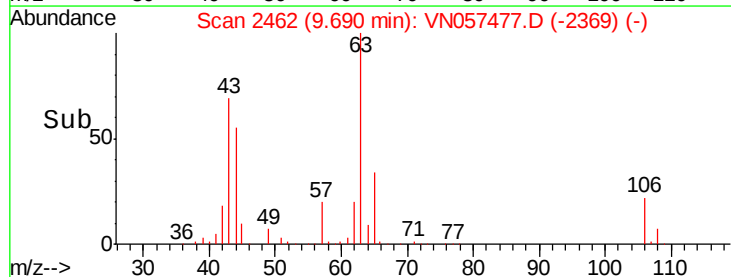
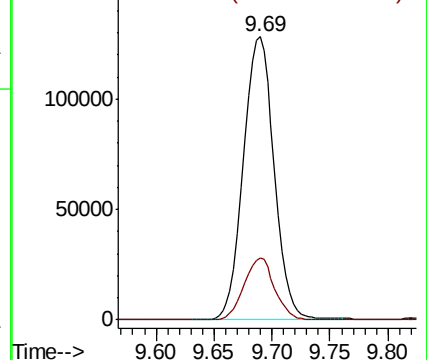
63 100

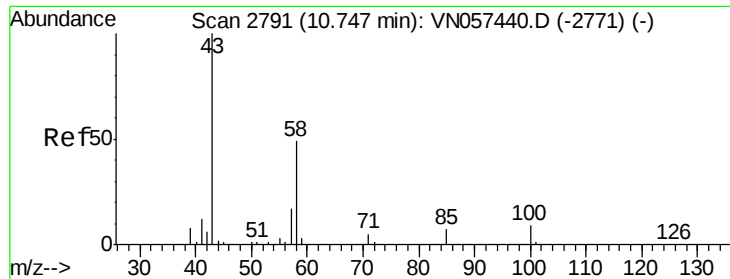
106 21.8 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

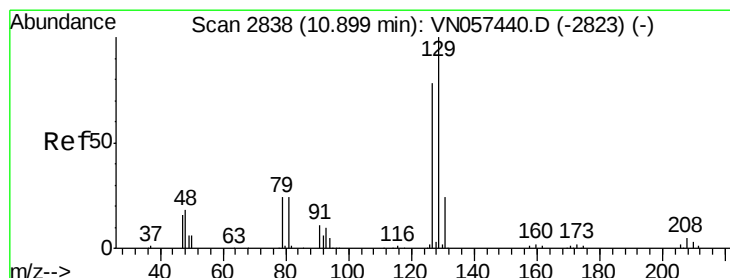
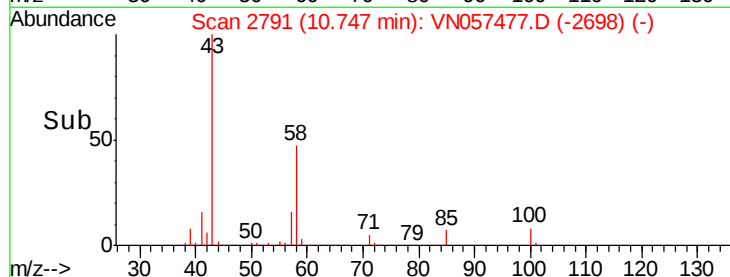
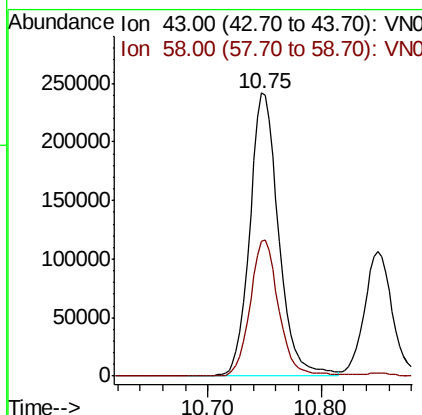
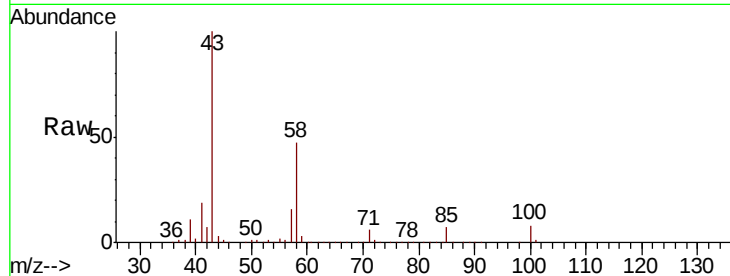




#59
2-Hexanone
Concen: 94.876 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

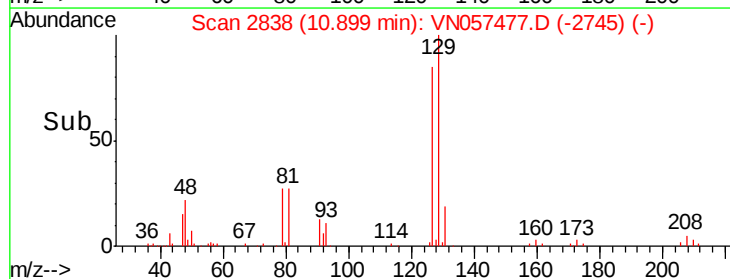
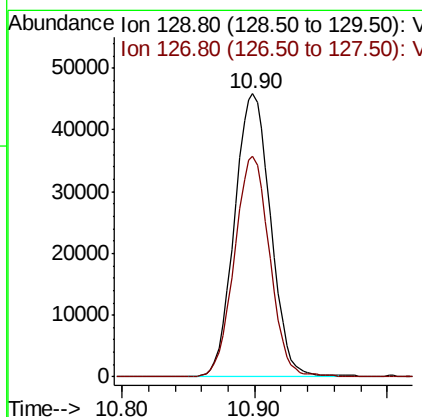
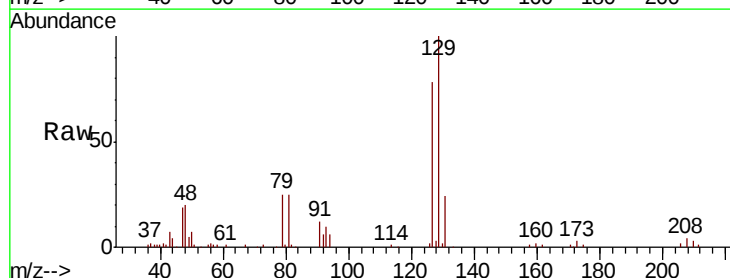
Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

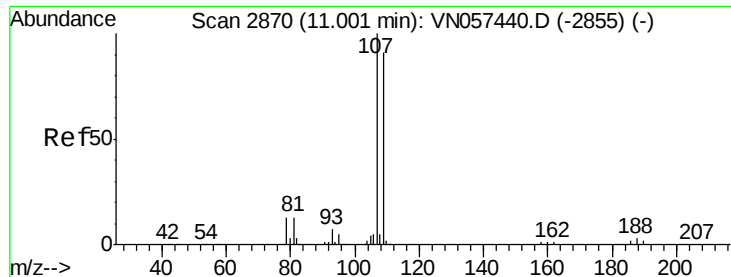
Tgt Ion: 43 Resp: 426268
Ion Ratio Lower Upper
43 100
58 48.0 24.6 73.6



#60
Dibromochloromethane
Concen: 18.074 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion: 129 Resp: 86679
Ion Ratio Lower Upper
129 100
127 76.0 39.0 116.9

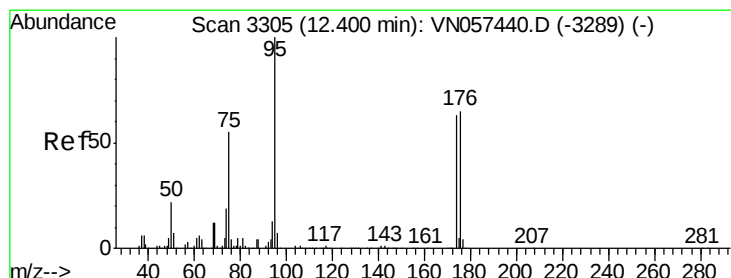
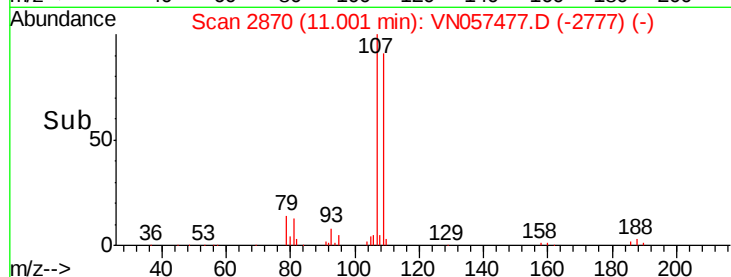
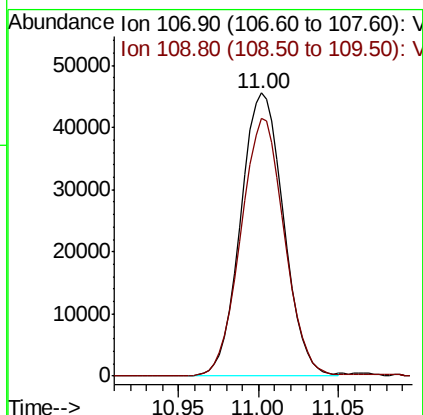
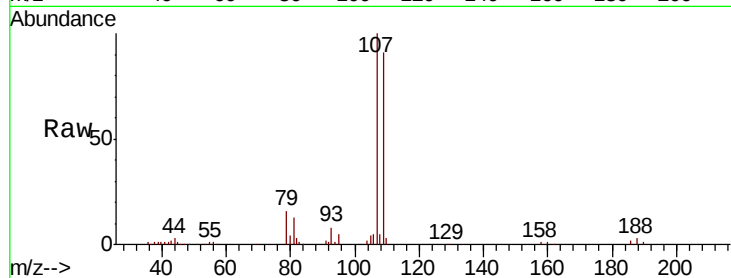




#61
 1,2-Dibromoethane
 Concen: 18.813 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

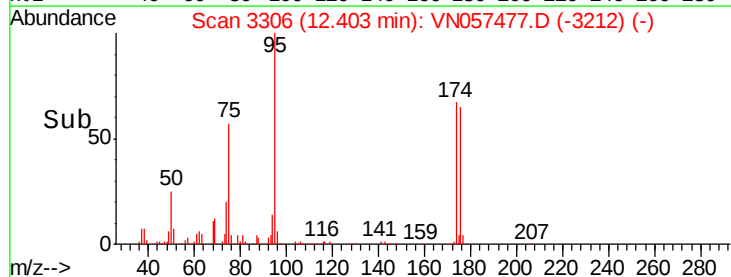
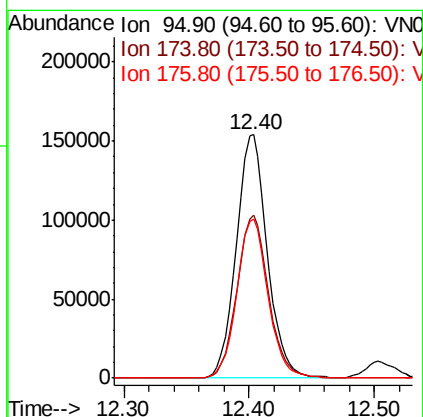
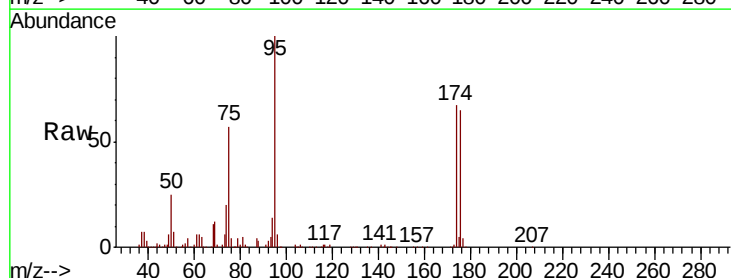
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

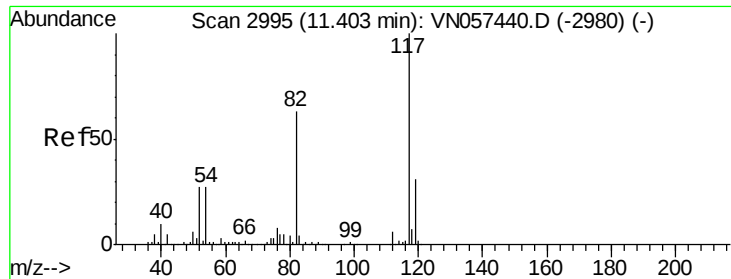
Tgt Ion: 107 Resp: 83736
 Ion Ratio Lower Upper
 107 100
 109 92.2 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 48.182 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 95 Resp: 264753
 Ion Ratio Lower Upper
 95 100
 174 68.2 0.0 133.0
 176 65.7 0.0 130.8

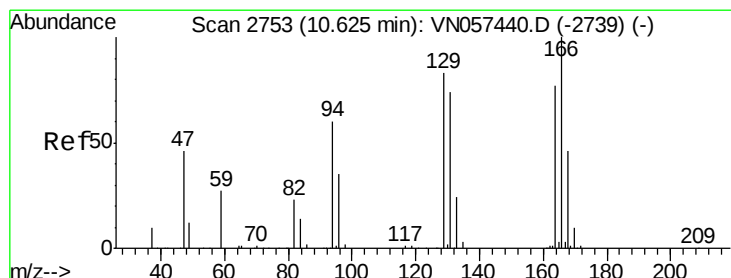
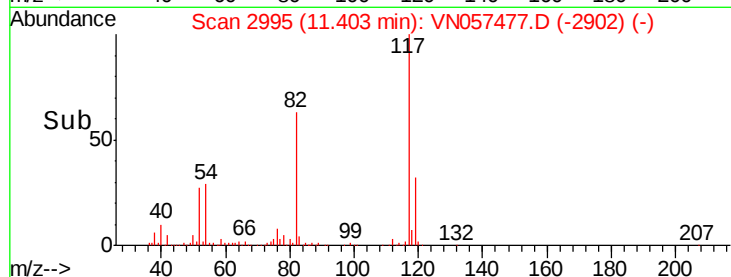
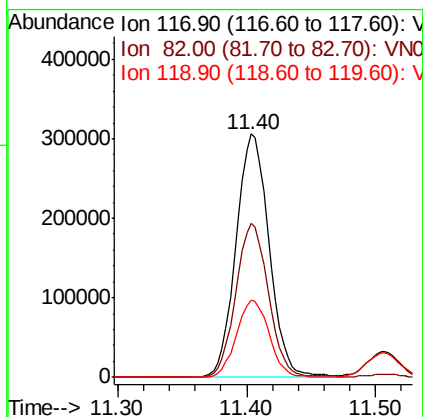
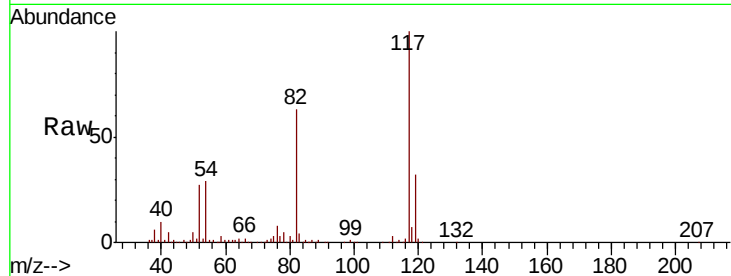




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

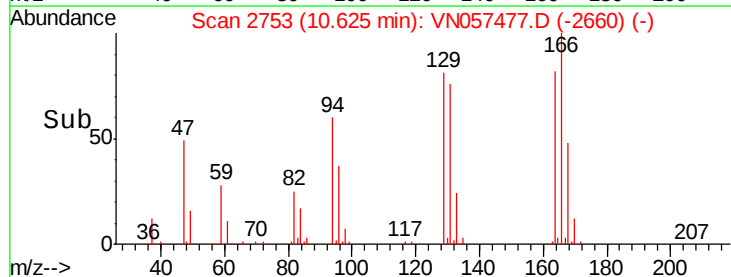
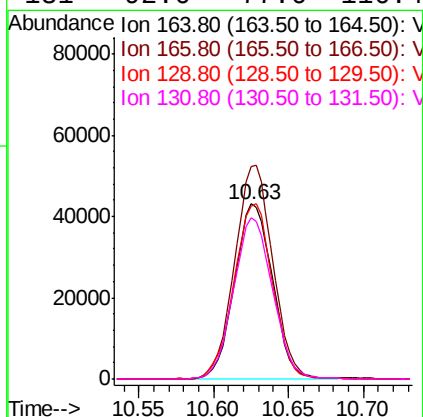
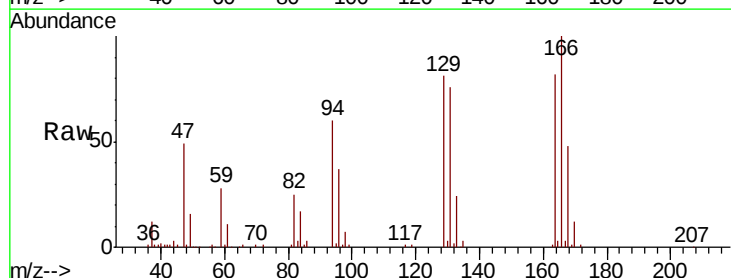
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

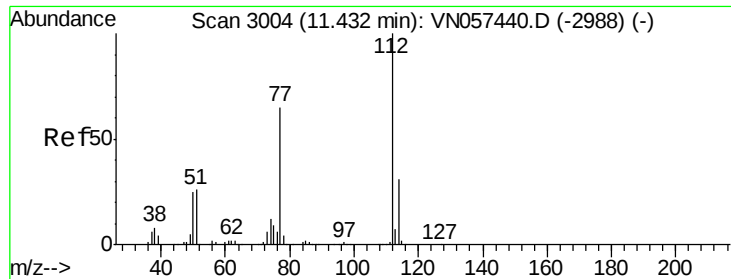
Tgt Ion:117 Resp: 547528
Ion Ratio Lower Upper
117 100
82 63.1 50.6 75.8
119 31.6 24.6 36.8



#64
Tetrachloroethene
Concen: 19.887 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion:164 Resp: 76179
Ion Ratio Lower Upper
164 100
166 121.9 104.4 156.6
129 99.1 86.6 130.0
131 92.6 77.6 116.4

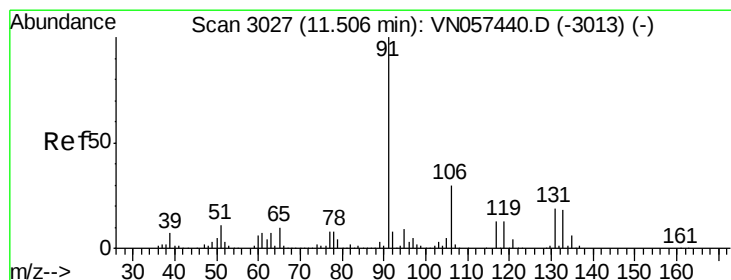
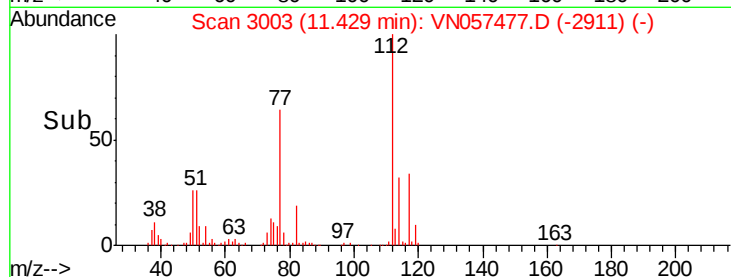
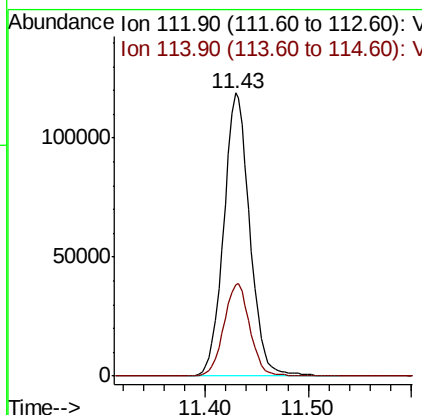
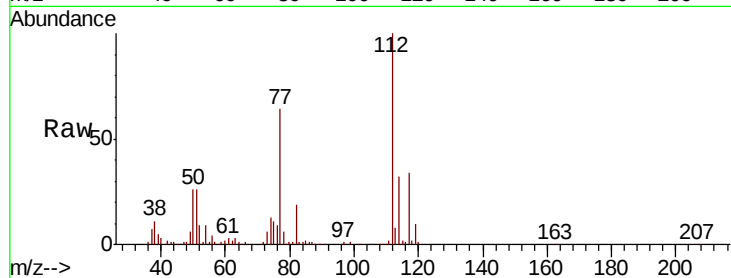




#65
Chlorobenzene
Concen: 18.901 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

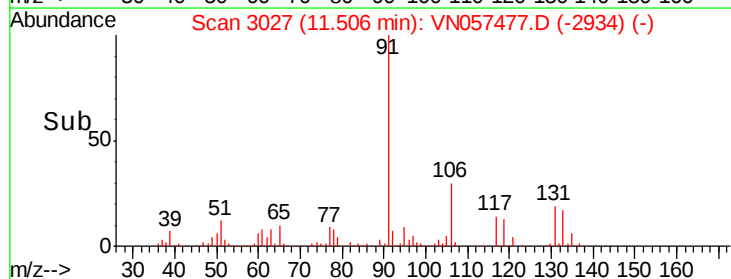
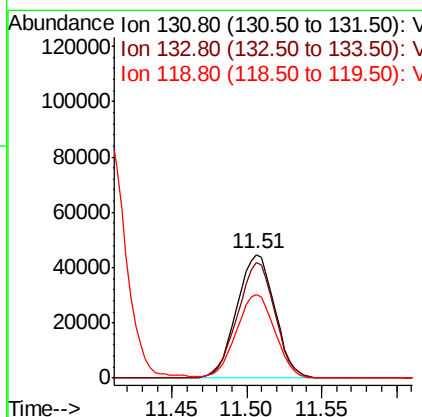
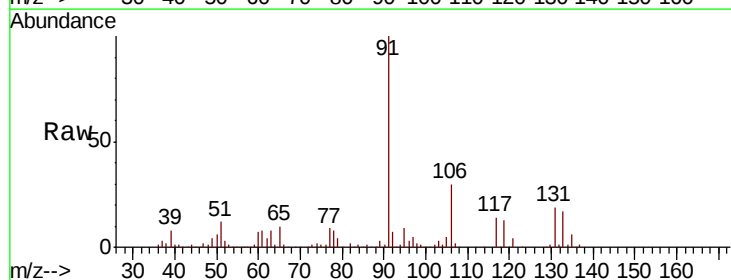
Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

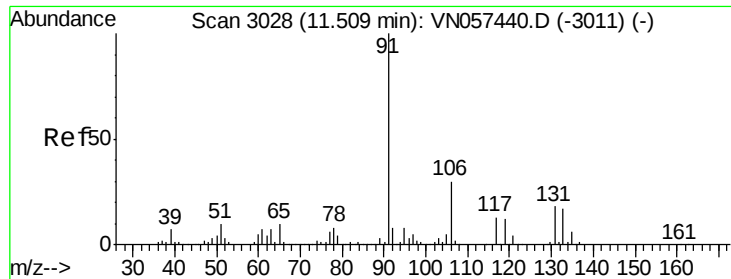
Tgt Ion:112 Resp: 209200
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 18.686 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion:131 Resp: 79319
Ion Ratio Lower Upper
131 100
133 91.9 47.6 142.8
119 68.5 34.4 103.2





#67

Ethyl Benzene

Concen: 18.990 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

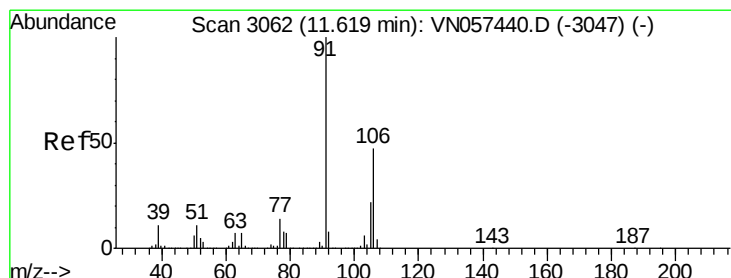
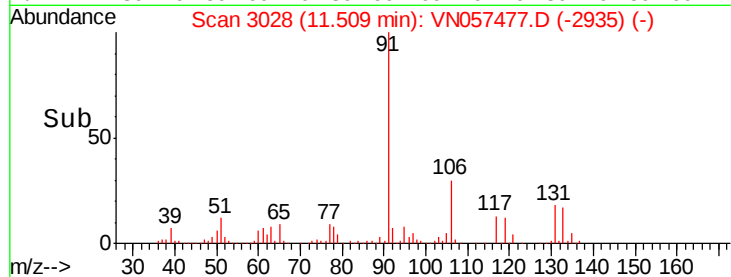
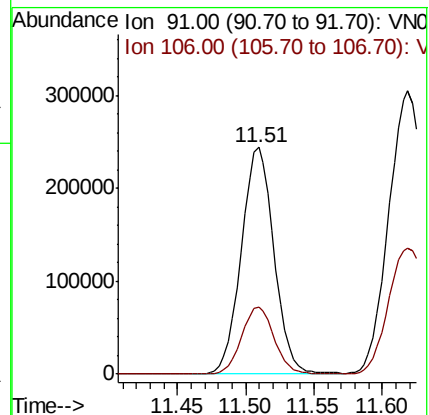
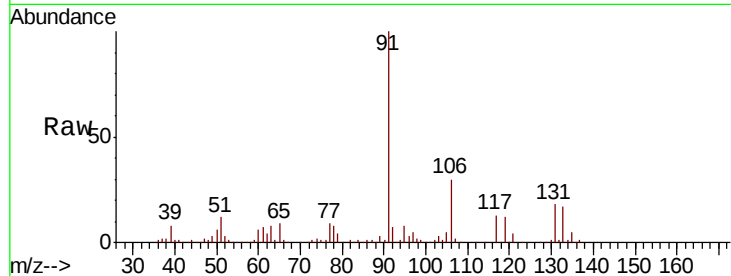
VN0824WBS01

Tgt Ion: 91 Resp: 406826

Ion Ratio Lower Upper

91 100

106 29.6 24.1 36.1



#68

m/p-Xylenes

Concen: 37.707 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057477.D

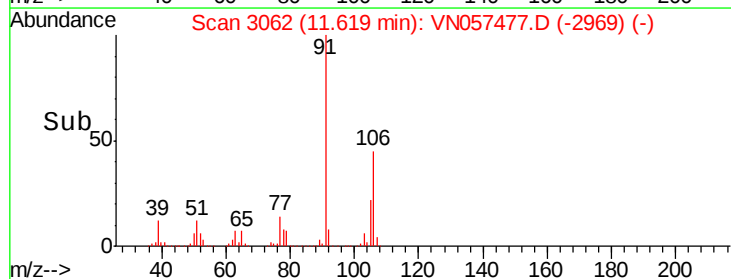
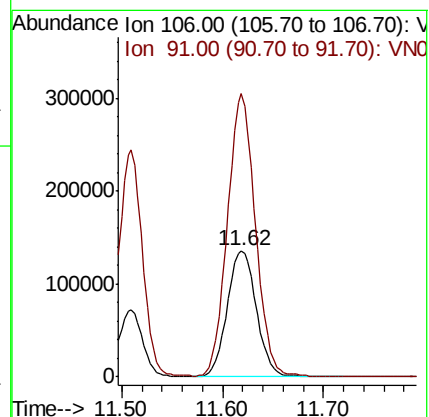
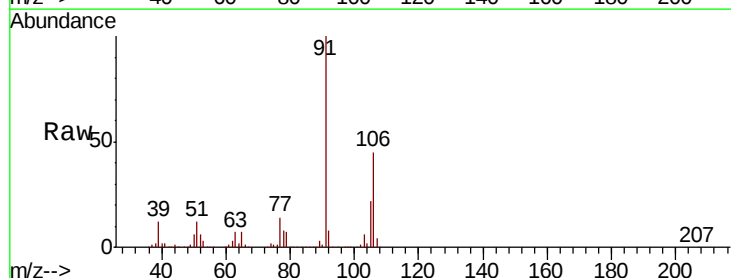
Acq: 23 Aug 2019 17:29

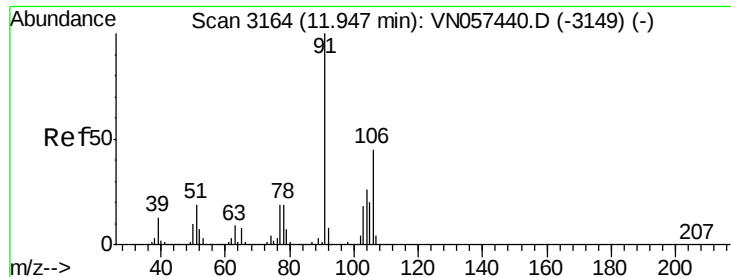
Tgt Ion: 106 Resp: 274716

Ion Ratio Lower Upper

106 100

91 214.9 171.8 257.6





#69

o-Xylene

Concen: 19.325 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

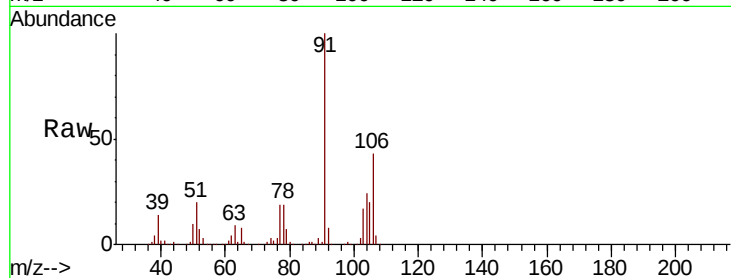
VN0824WBS01

Tgt Ion:106 Resp: 139476

Ion Ratio Lower Upper

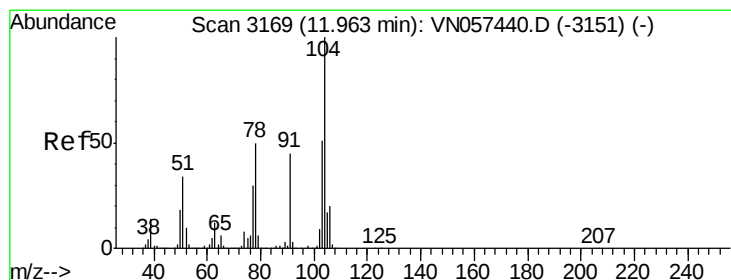
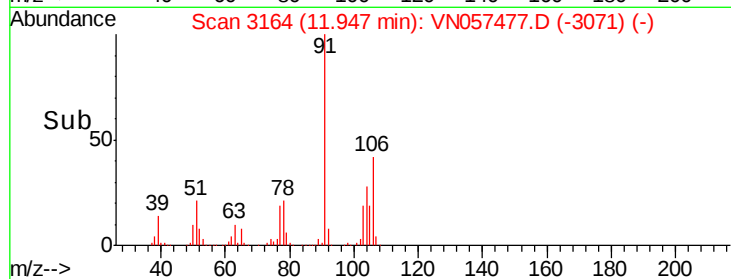
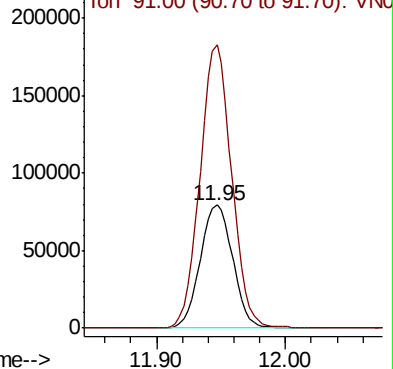
106 100

91 222.7 112.3 336.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 18.815 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

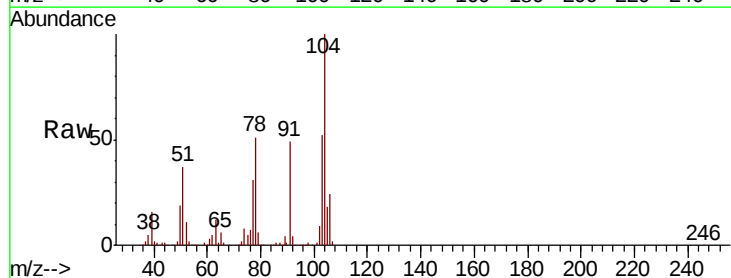
Tgt Ion:104 Resp: 215025

Ion Ratio Lower Upper

104 100

78 58.3 44.7 67.1

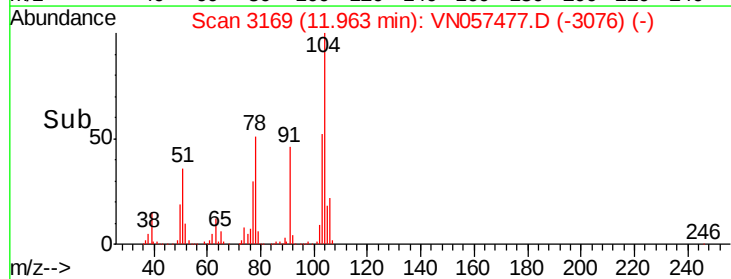
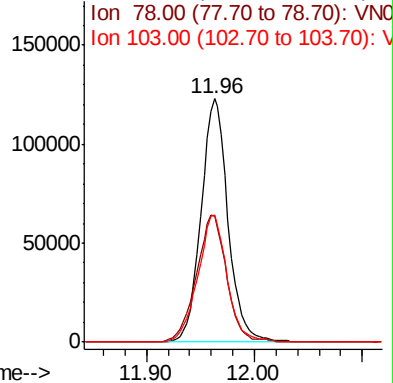
103 56.5 44.4 66.6

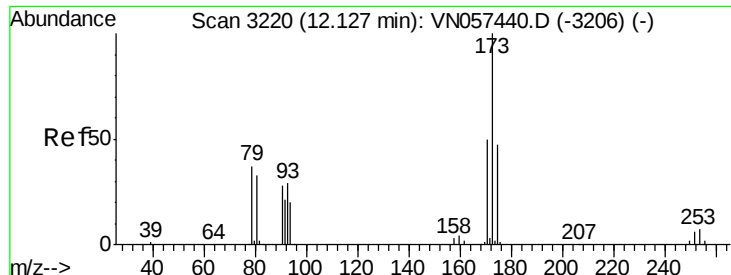


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

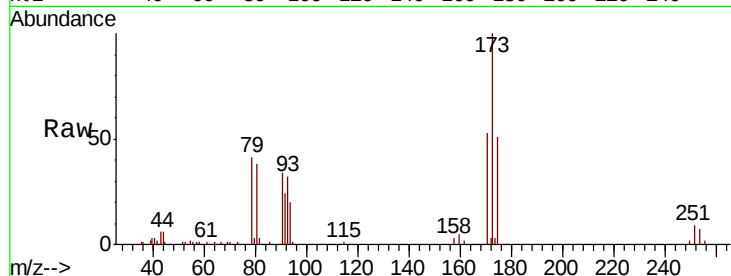




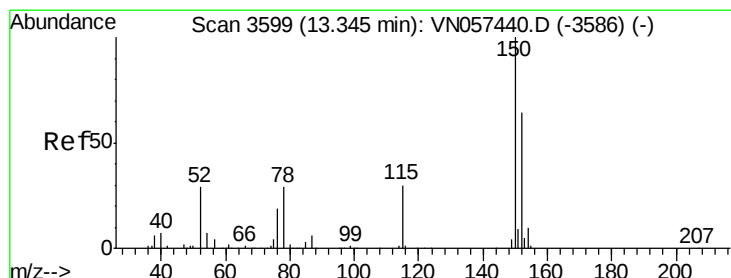
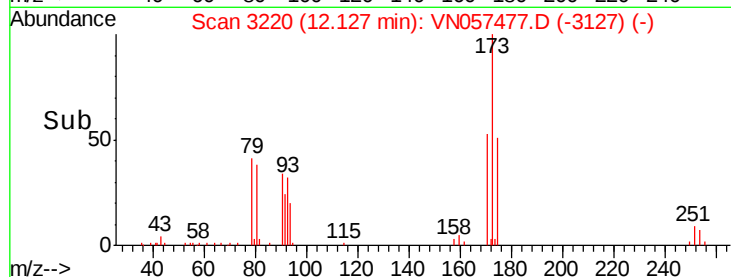
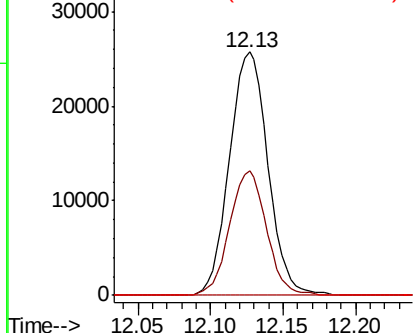
#71
Bromoform
Concen: 16.542 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tgt Ion:173 Resp: 47466
Ion Ratio Lower Upper
173 100
175 48.9 23.9 71.8
254 0.0 0.1 0.1#

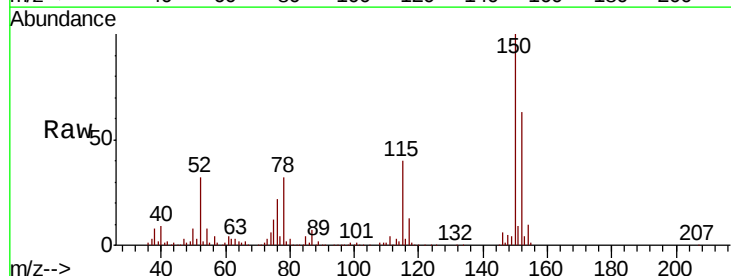


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

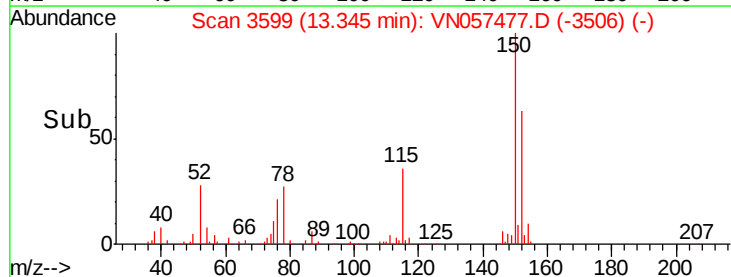
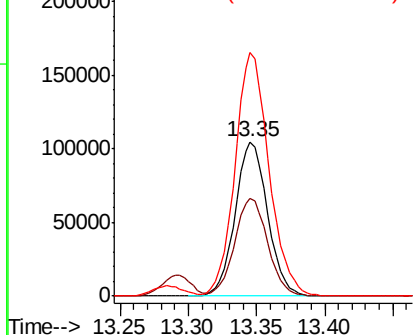


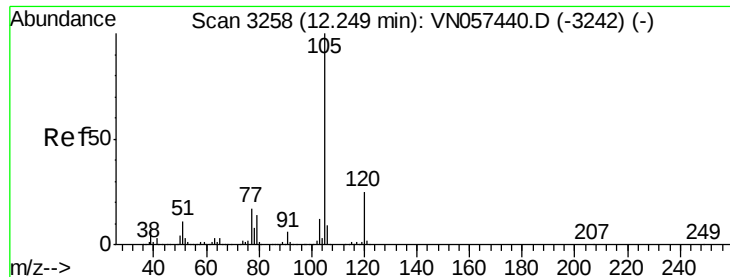
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion:152 Resp: 172811
Ion Ratio Lower Upper
152 100
115 64.5 32.0 96.0
150 165.6 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.711 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampled :

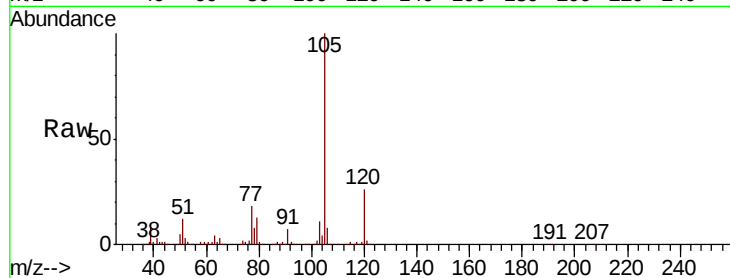
VN0824WBS01

Tgt Ion:105 Resp: 367220

Ion Ratio Lower Upper

105 100

120 25.6 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

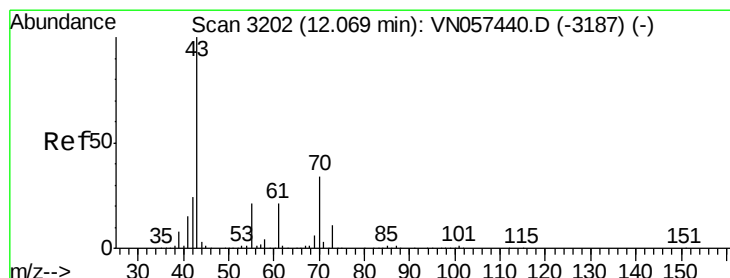
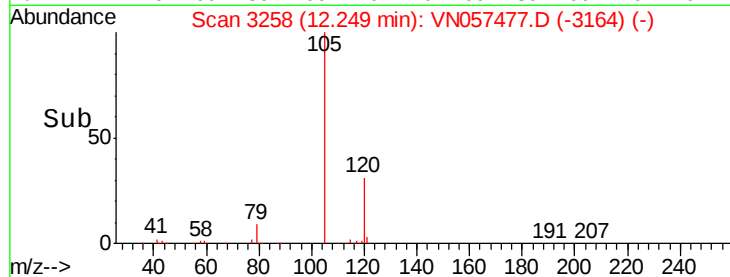
0

12.20

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 22.024 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Tgt Ion: 43 Resp: 172703

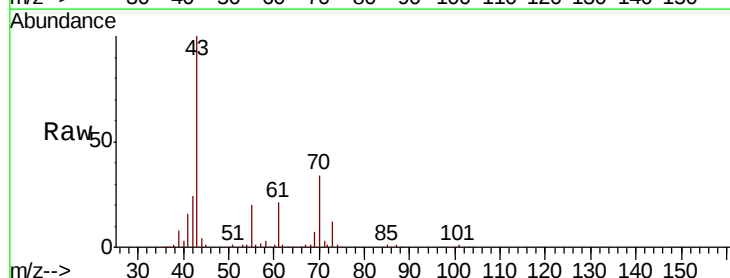
Ion Ratio Lower Upper

43 100

70 34.2 27.8 41.6

55 19.9 17.0 25.4

61 21.1 17.0 25.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

150000

100000

50000

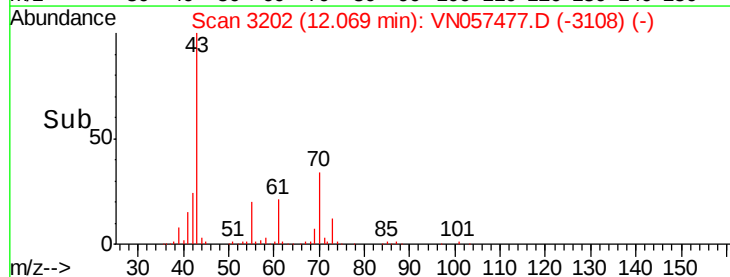
0

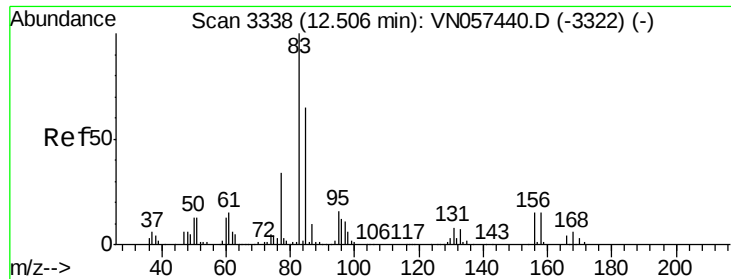
12.00

12.07

12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.136 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

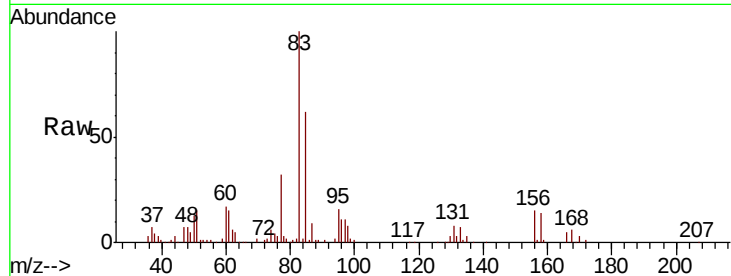
Tgt Ion: 83 Resp: 111297

Ion Ratio Lower Upper

83 100

131 8.3 4.3 13.1

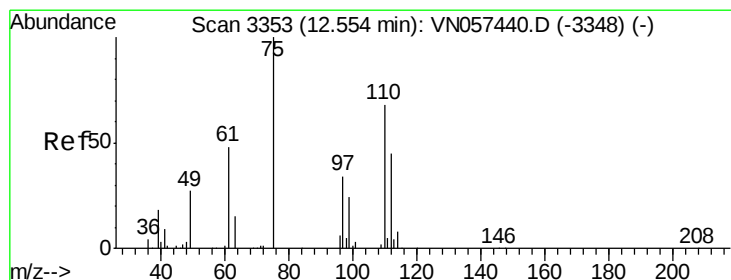
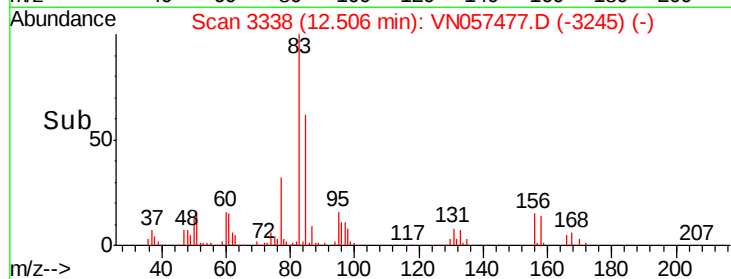
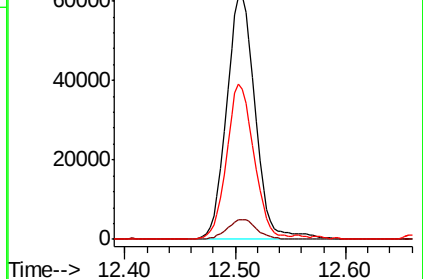
85 60.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 35.196 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057477.D

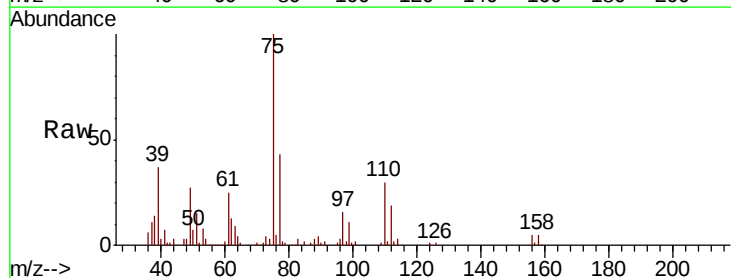
Acq: 23 Aug 2019 17:29

Tgt Ion: 75 Resp: 138860

Ion Ratio Lower Upper

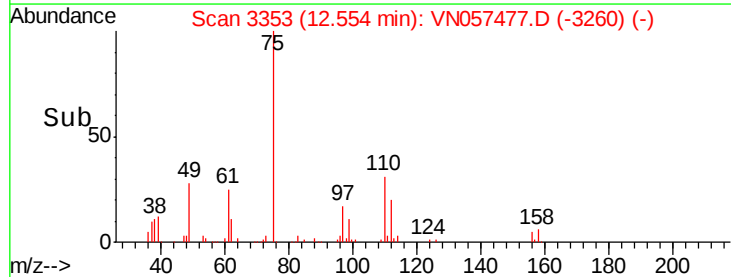
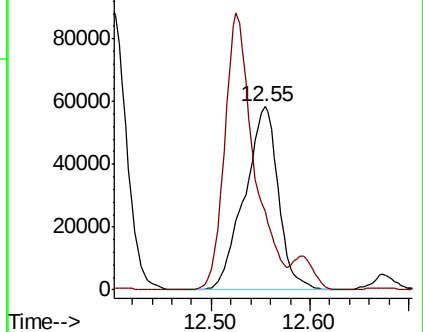
75 100

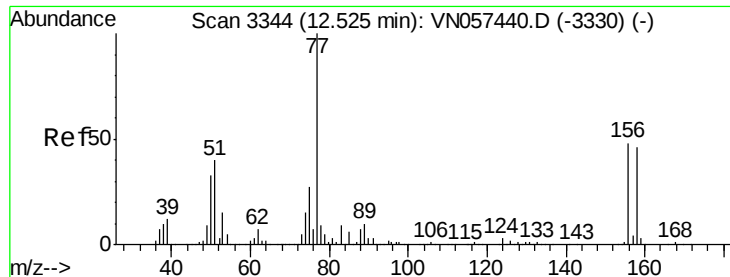
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.668 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

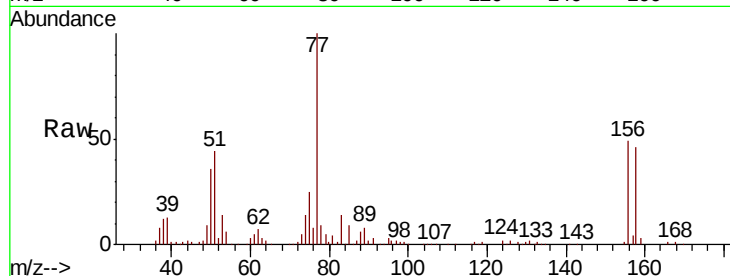
Tgt Ion:156 Resp: 74168

Ion Ratio Lower Upper

156 100

77 249.8 124.4 373.3

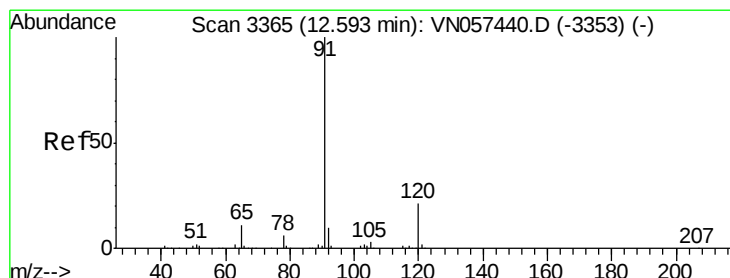
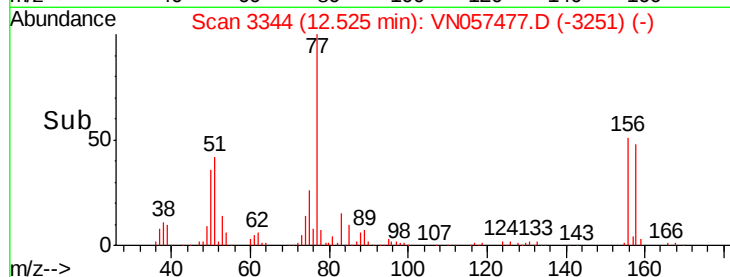
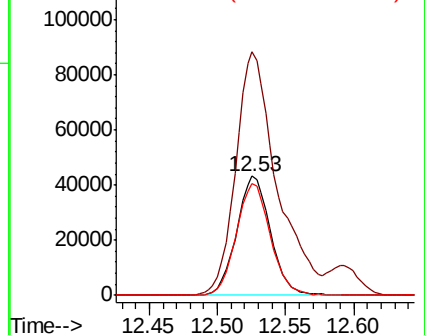
158 95.0 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.244 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057477.D

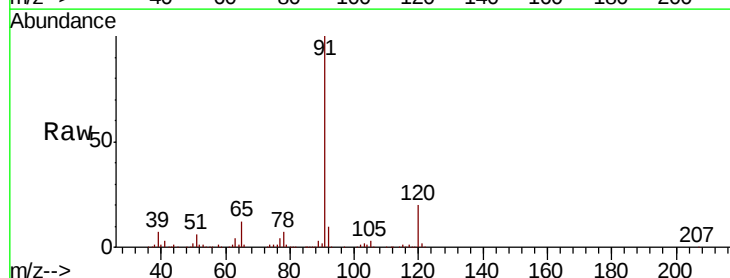
Acq: 23 Aug 2019 17:29

Tgt Ion: 91 Resp: 398390

Ion Ratio Lower Upper

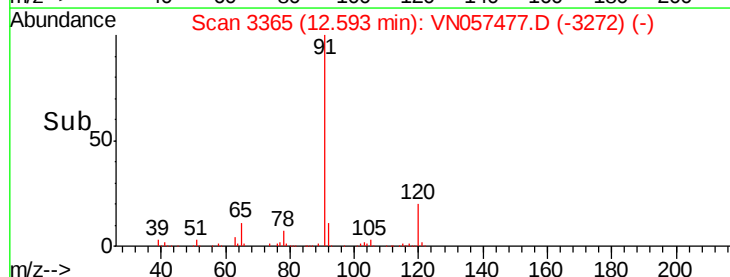
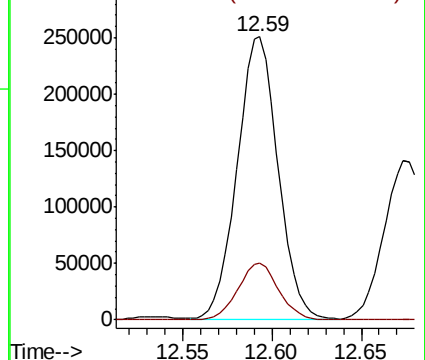
91 100

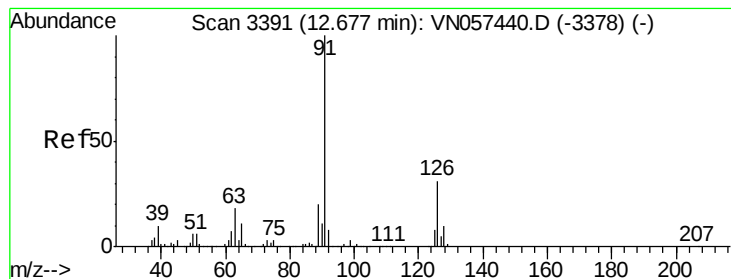
120 20.2 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.310 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

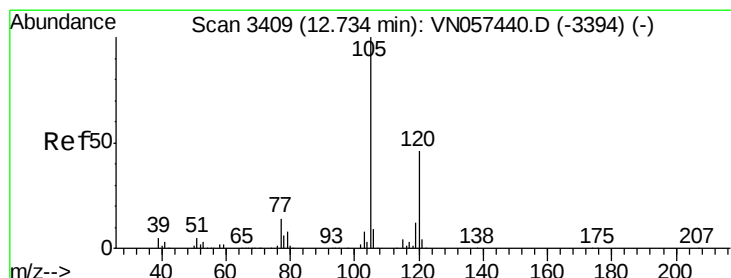
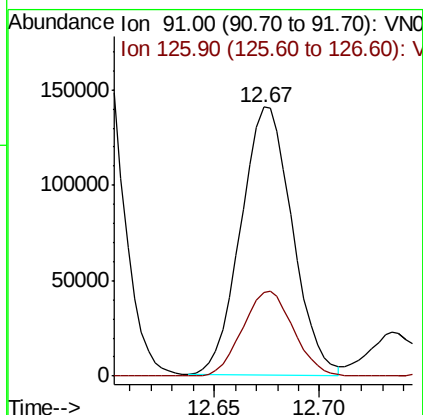
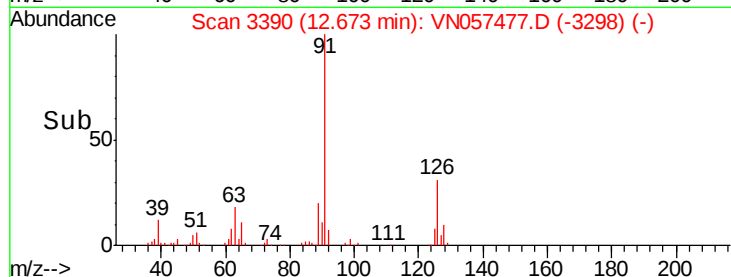
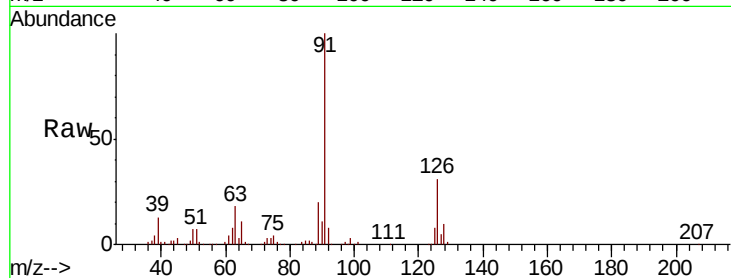
VN0824WBS01

Tgt Ion: 91 Resp: 238580

Ion Ratio Lower Upper

91 100

126 31.5 15.3 45.8



#80

1,3,5-Trimethylbenzene

Concen: 21.785 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057477.D

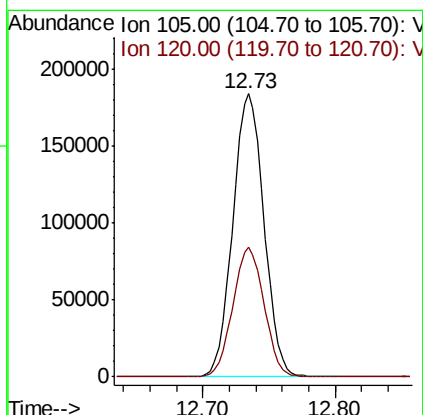
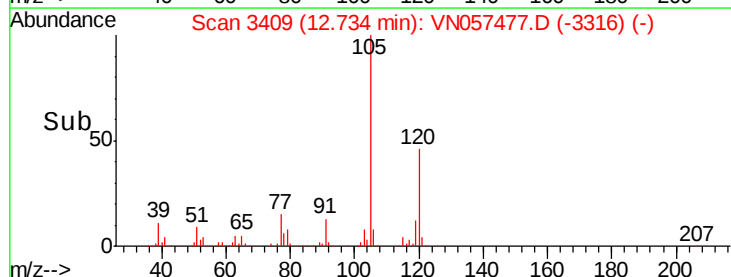
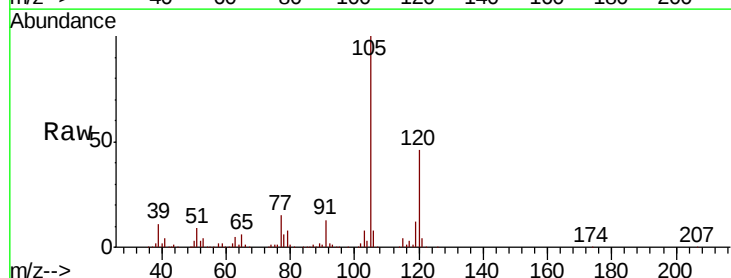
Acq: 23 Aug 2019 17:29

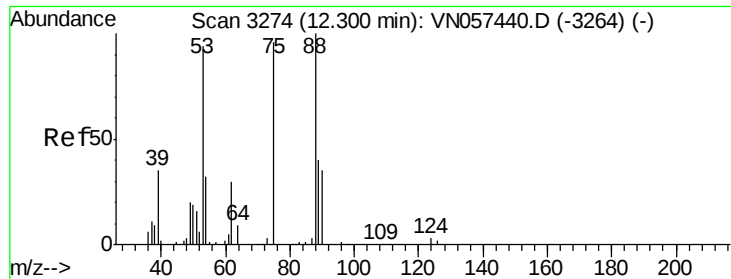
Tgt Ion: 105 Resp: 298869

Ion Ratio Lower Upper

105 100

120 46.0 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.815 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

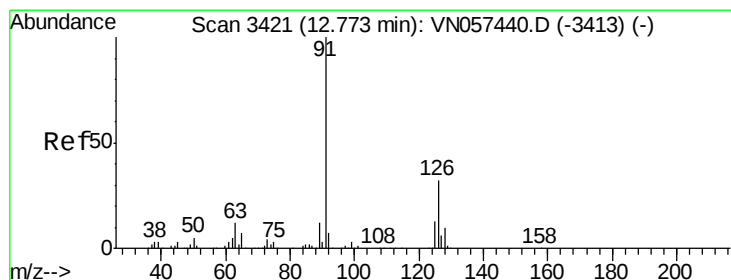
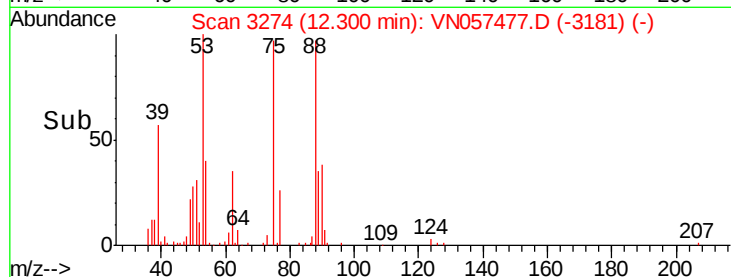
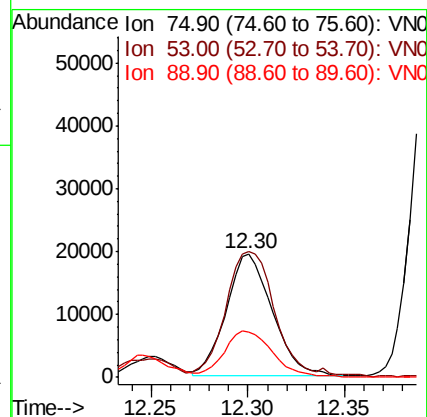
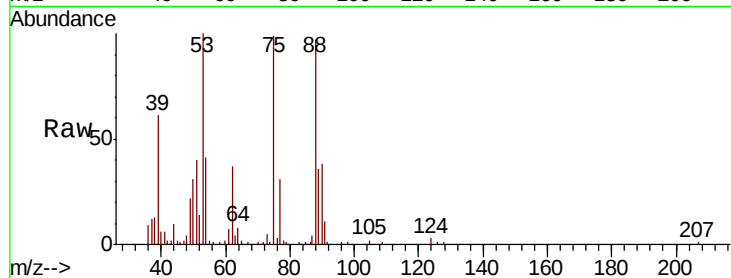
Tgt Ion: 75 Resp: 32255

Ion Ratio Lower Upper

75 100

53 102.2 82.7 124.1

89 40.0 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.343 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057477.D

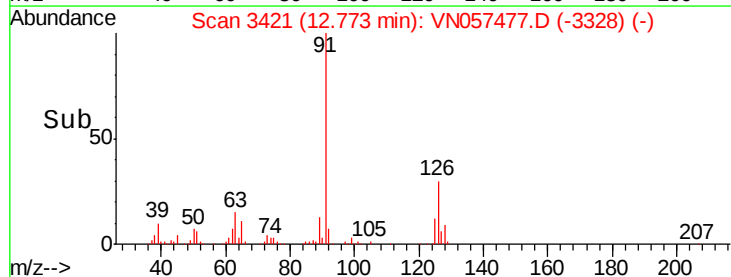
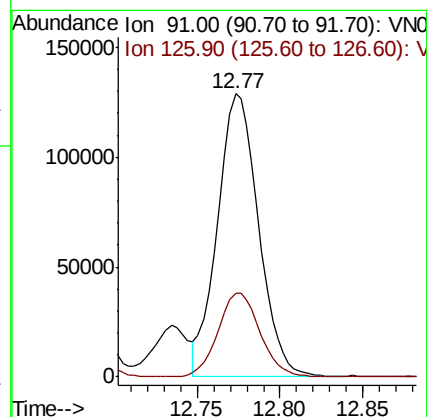
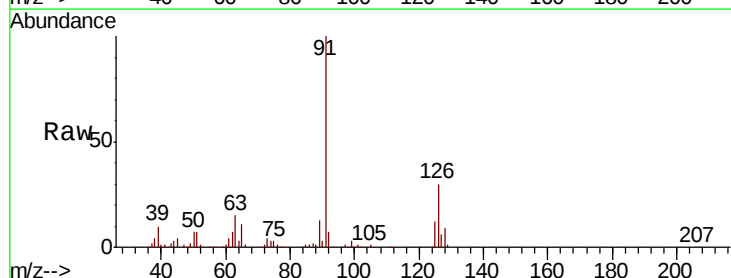
Acq: 23 Aug 2019 17:29

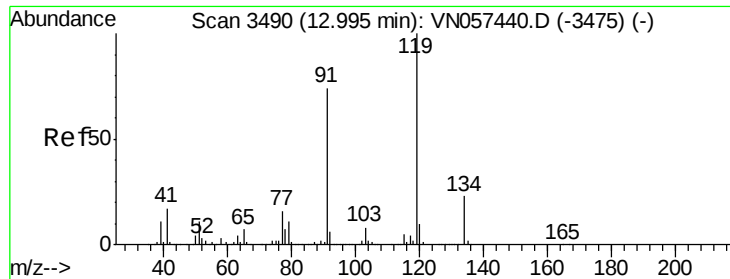
Tgt Ion: 91 Resp: 221024

Ion Ratio Lower Upper

91 100

126 30.5 15.0 45.0

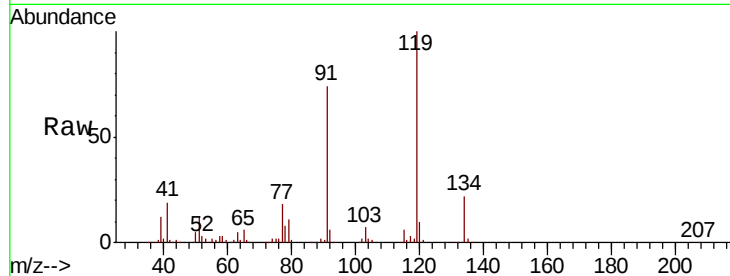




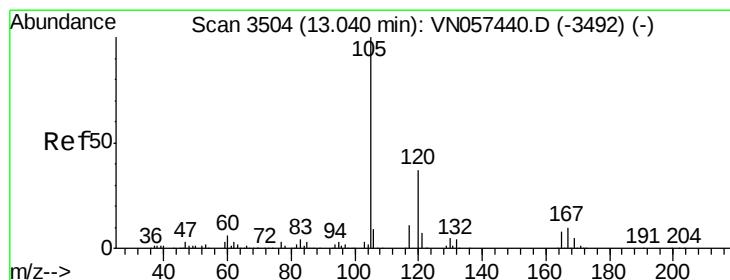
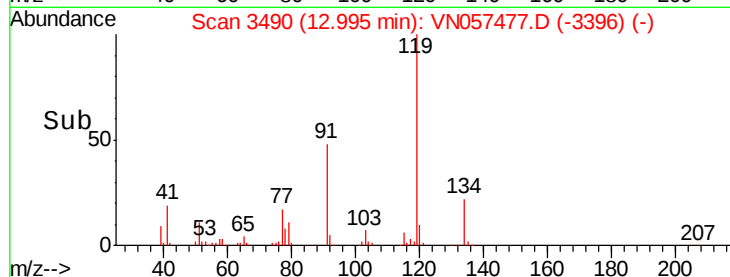
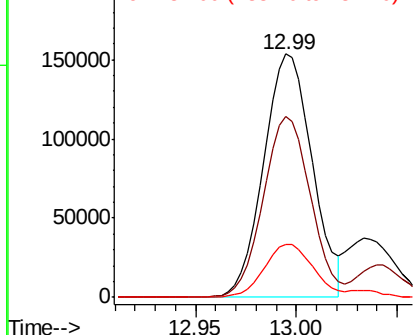
#83
tert-Butylbenzene
Concen: 22.138 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBS01

Tgt Ion:119 Resp: 257202
Ion Ratio Lower Upper
119 100
91 72.7 37.0 111.0
134 22.0 12.2 36.6

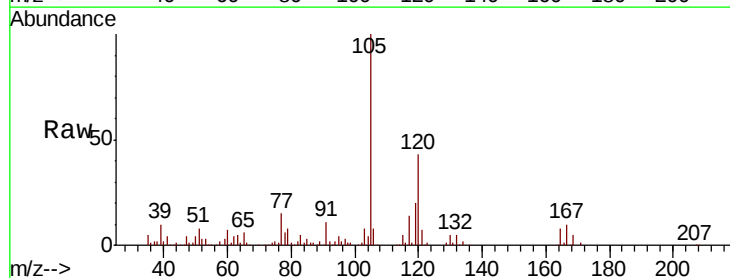


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

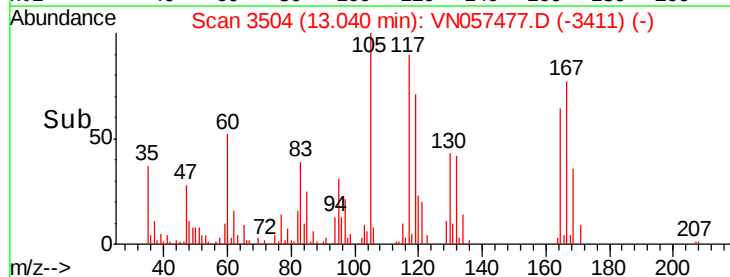
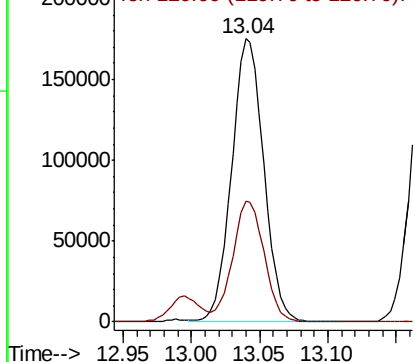


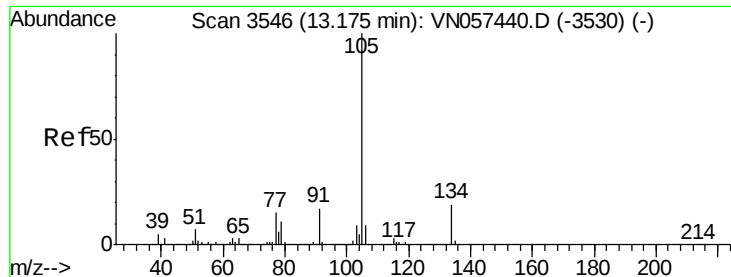
#84
1,2,4-Trimethylbenzene
Concen: 21.330 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion:105 Resp: 286566
Ion Ratio Lower Upper
105 100
120 42.0 21.9 65.7



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

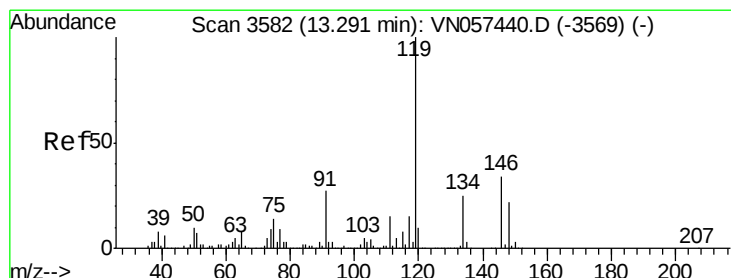
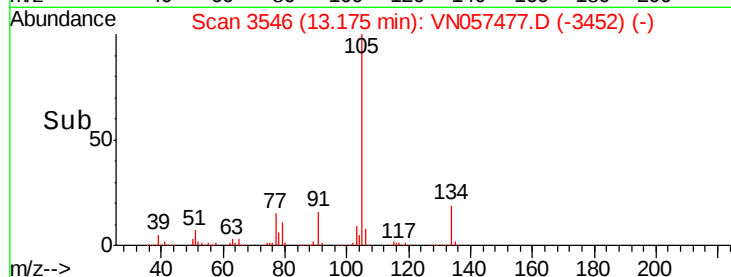
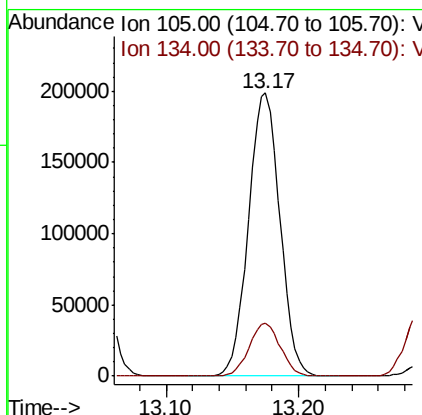
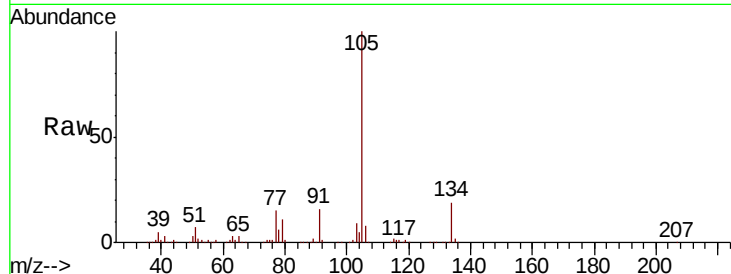




#85
 sec-Butylbenzene
 Concen: 21.419 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

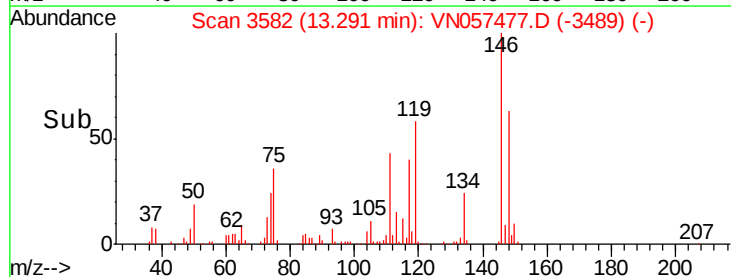
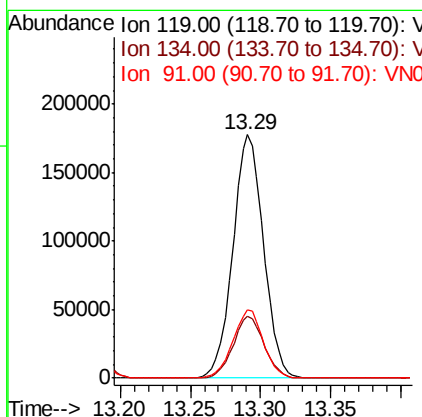
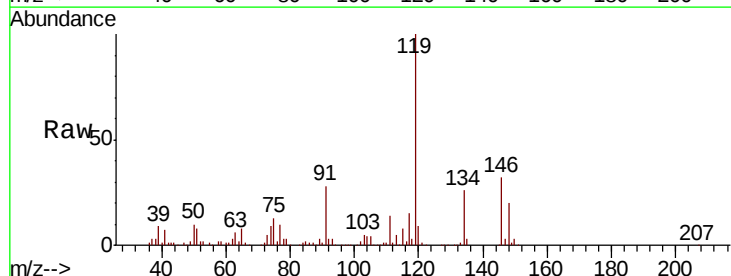
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

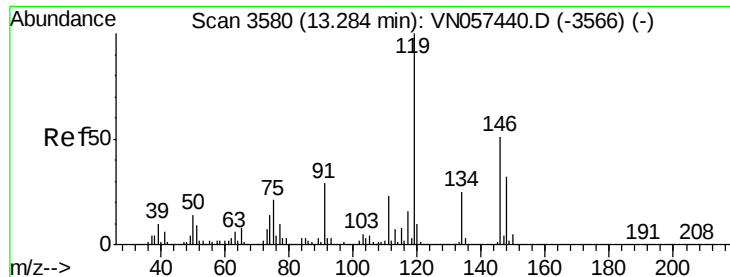
Tgt Ion:105 Resp: 327425
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 19.961 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion:119 Resp: 269629
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.7 38.1
 91 27.9 13.9 41.6

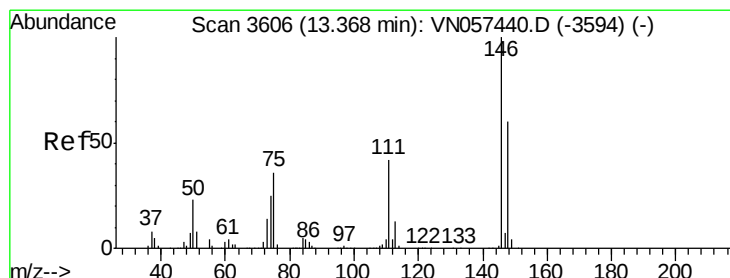
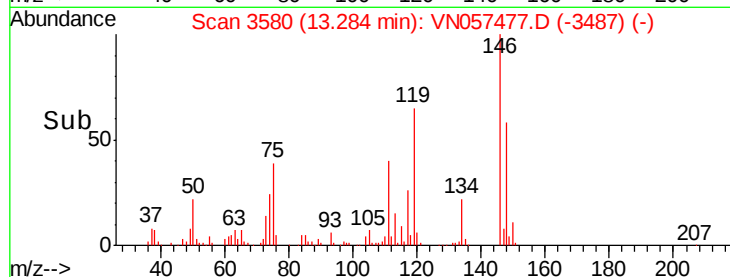
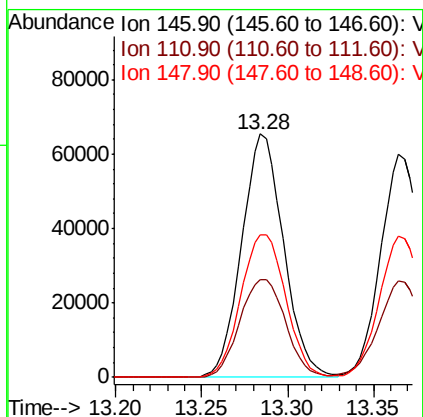
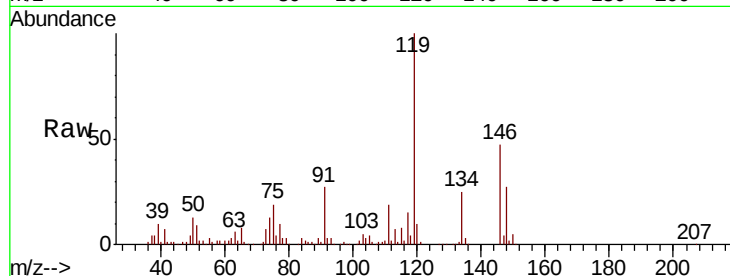




#87
 1,3-Dichlorobenzene
 Concen: 19.802 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

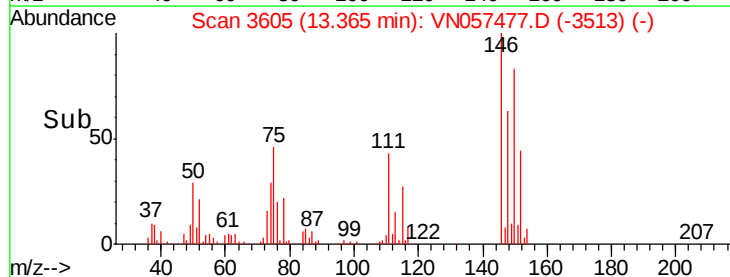
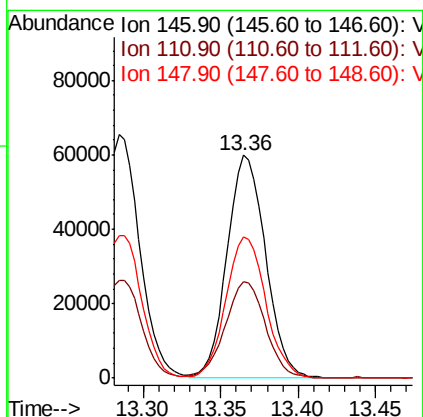
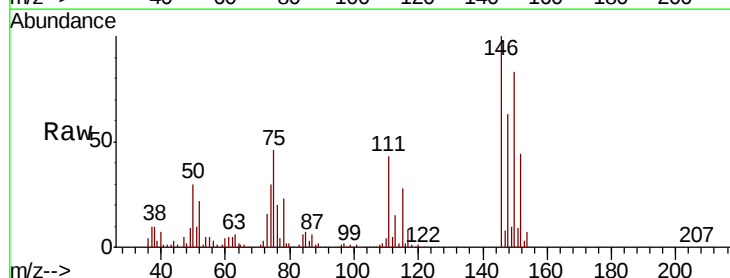
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

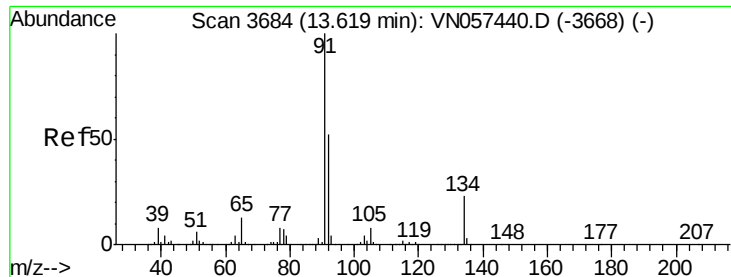
Tgt Ion:146 Resp: 110532
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.1 66.1
 148 63.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 18.965 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion:146 Resp: 103674
 Ion Ratio Lower Upper
 146 100
 111 45.5 21.9 65.5
 148 65.3 31.1 93.2





#89

n-Butylbenzene

Concen: 20.206 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057477.D

Acq: 23 Aug 2019 17:29

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBS01

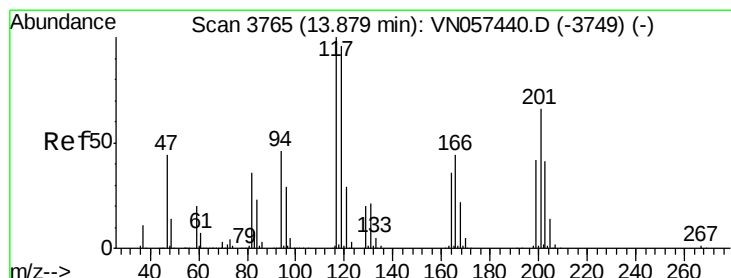
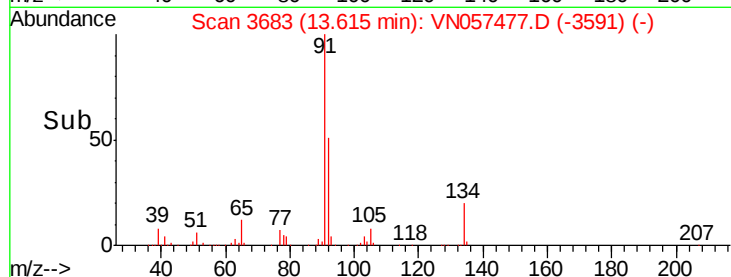
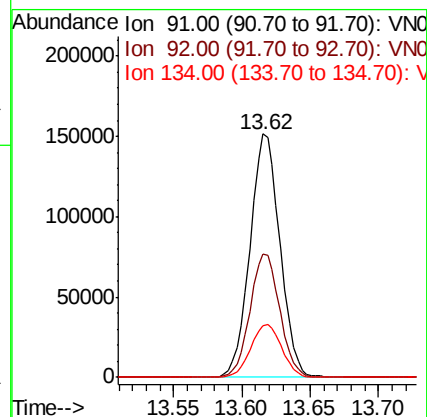
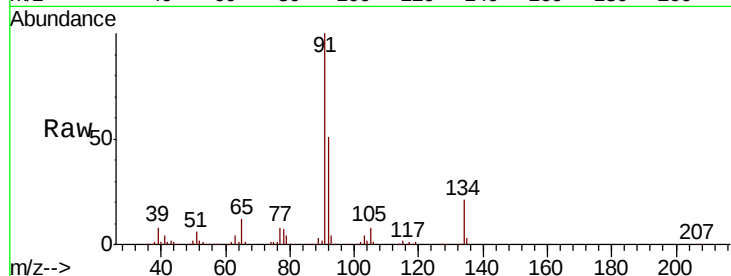
Tgt Ion: 91 Resp: 230974

Ion Ratio Lower Upper

91 100

92 50.2 25.7 77.0

134 22.4 11.4 34.1



#90

Hexachloroethane

Concen: 19.139 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057477.D

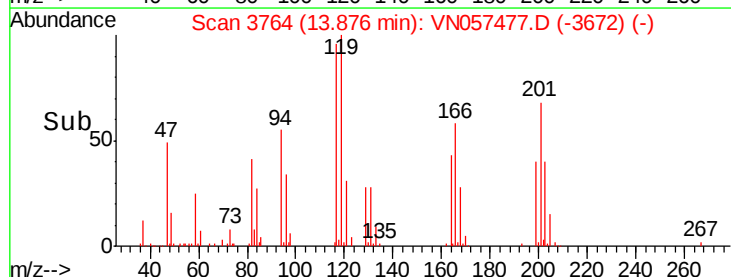
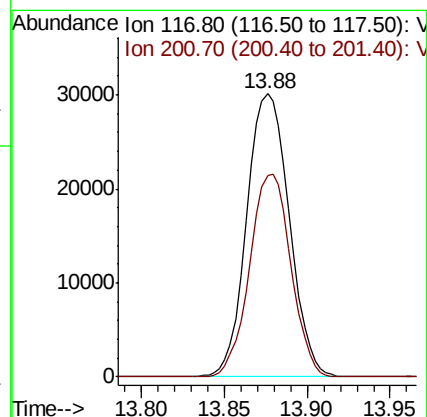
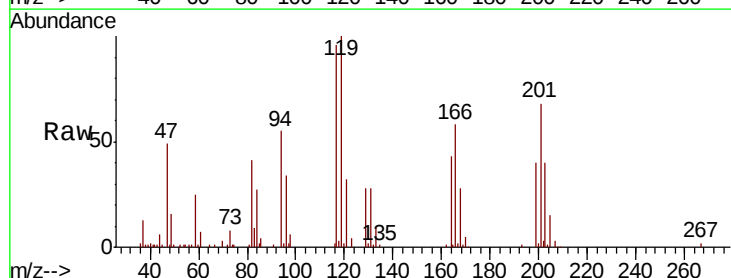
Acq: 23 Aug 2019 17:29

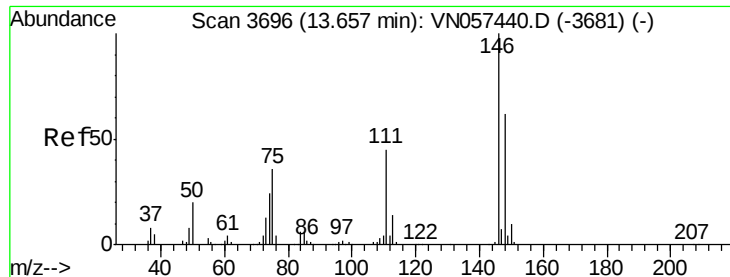
Tgt Ion: 117 Resp: 53914

Ion Ratio Lower Upper

117 100

201 69.3 33.1 99.3

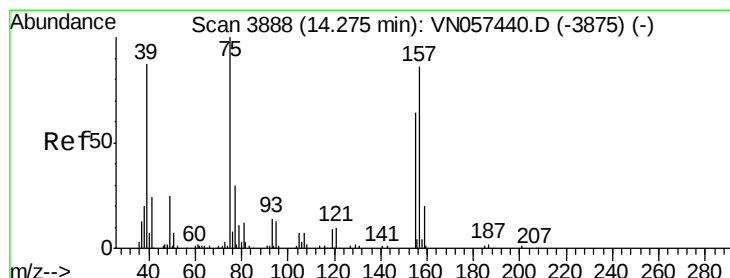
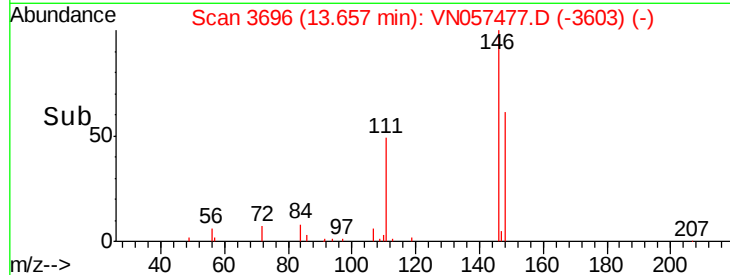
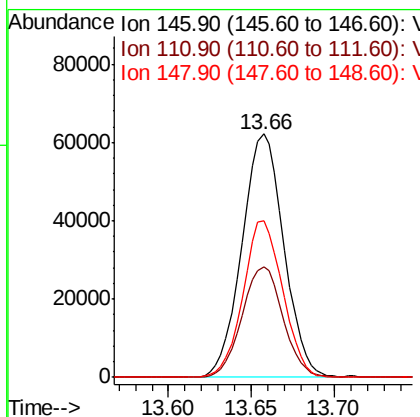
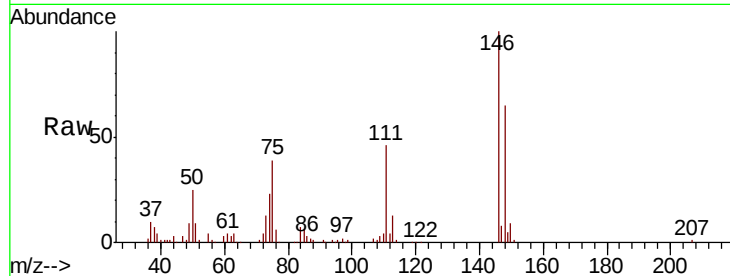




#91
 1,2-Dichlorobenzene
 Concen: 20.459 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

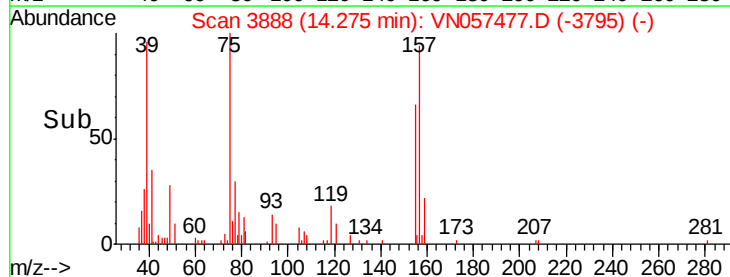
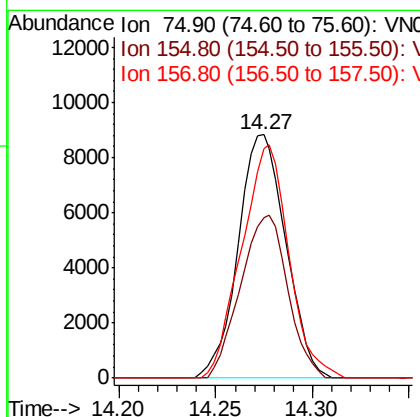
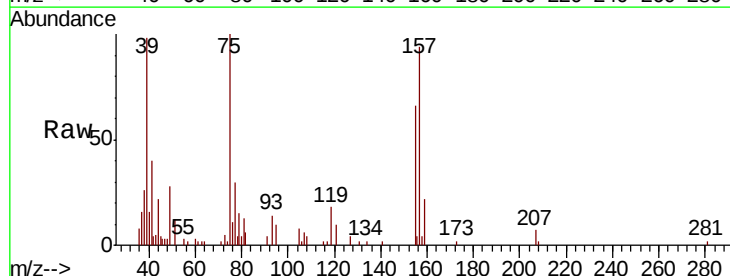
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

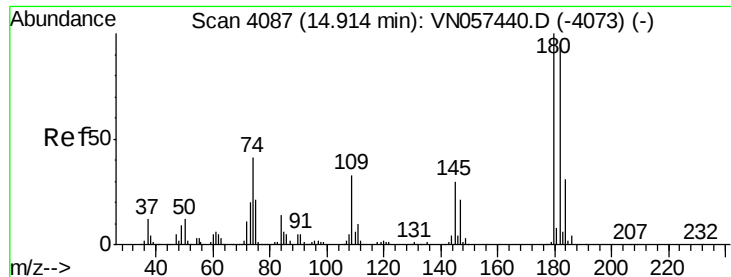
Tgt Ion: 146 Resp: 109016
 Ion Ratio Lower Upper
 146 100
 111 44.6 23.1 69.2
 148 61.0 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.015 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion: 75 Resp: 15140
 Ion Ratio Lower Upper
 75 100
 155 66.4 31.6 94.7
 157 95.4 43.3 129.8

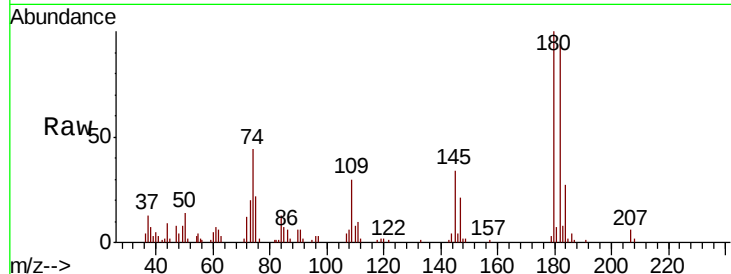




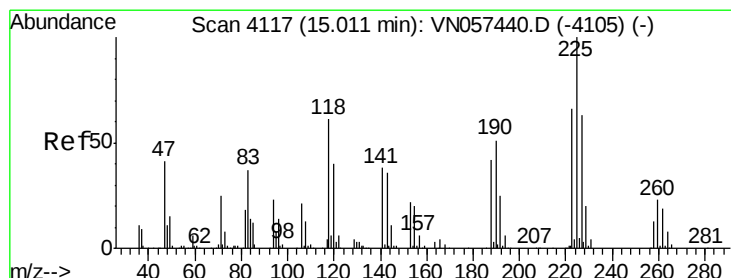
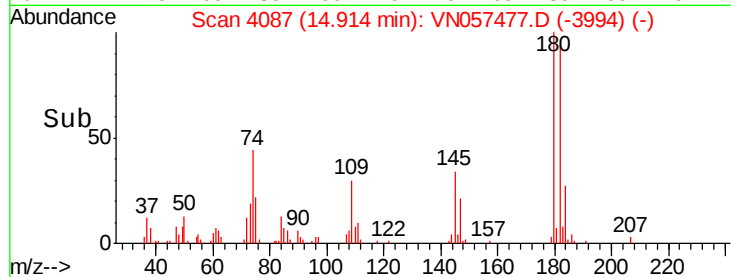
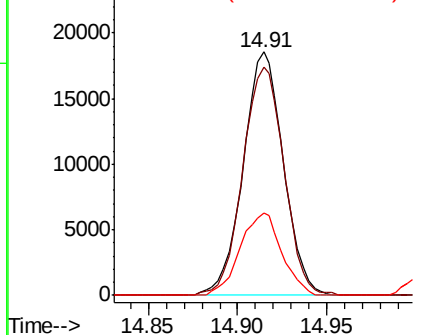
#93
 1,2,4-Trichlorobenzene
 Concen: 17.485 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBS01

Tgt Ion:180 Resp: 29259
 Ion Ratio Lower Upper
 180 100
 182 96.2 46.7 140.1
 145 34.7 15.6 46.8

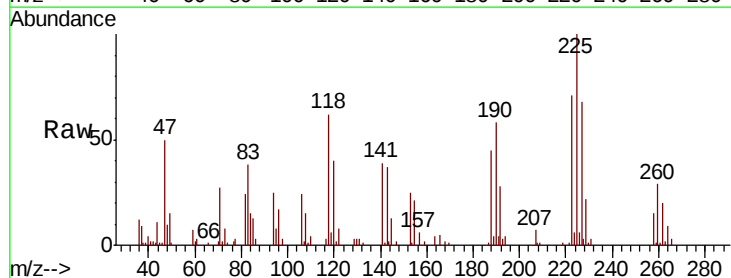


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

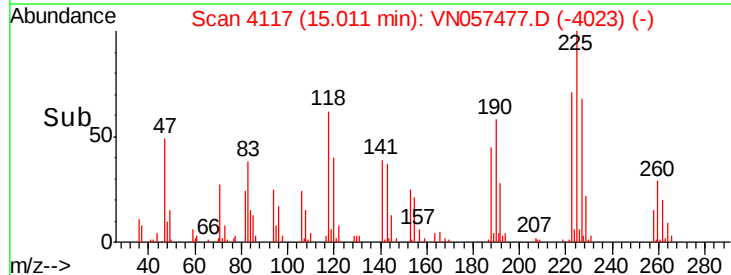
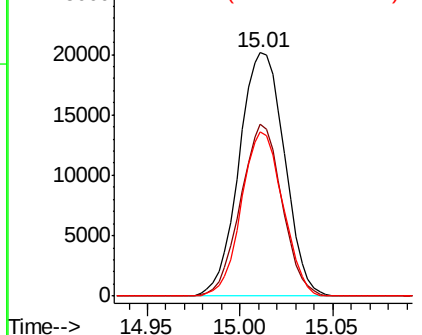


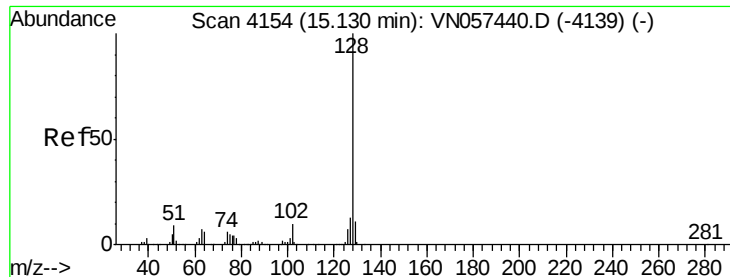
#94
 Hexachlorobutadiene
 Concen: 23.537 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057477.D
 Acq: 23 Aug 2019 17:29

Tgt Ion:225 Resp: 34269
 Ion Ratio Lower Upper
 225 100
 223 64.4 32.0 96.2
 227 61.4 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

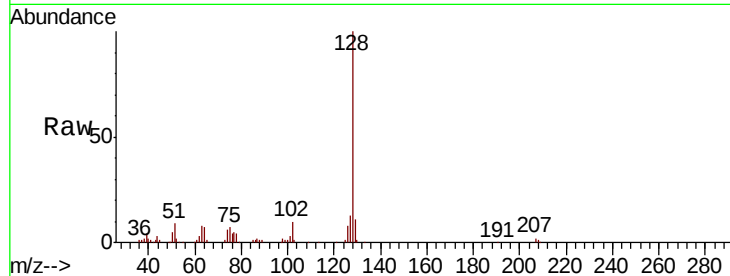




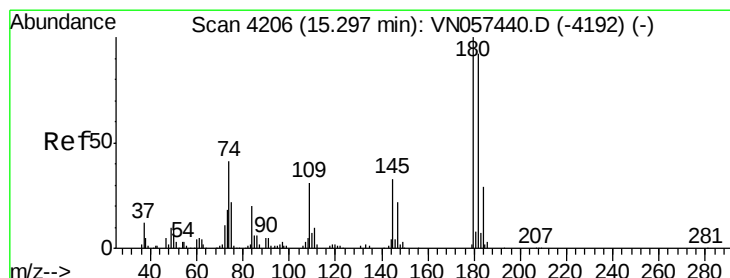
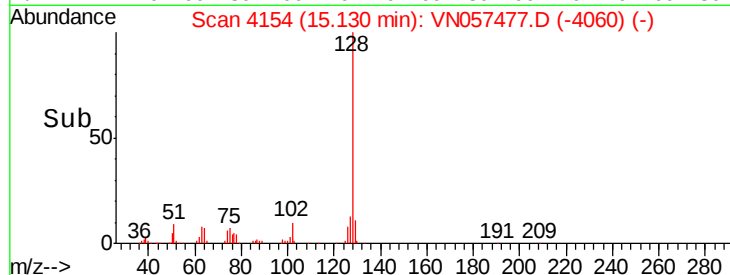
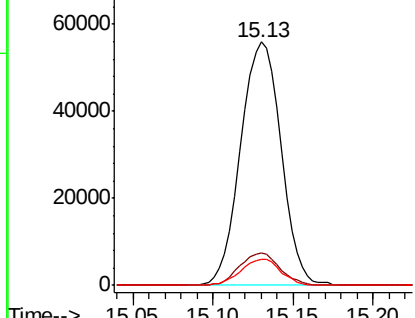
#95
Naphthalene
Concen: 17.188 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Instrument :
MSVOA_N
ClientSampled :
VN0824WBS01

Tgt Ion:128 Resp: 96729
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.4 8.6 13.0

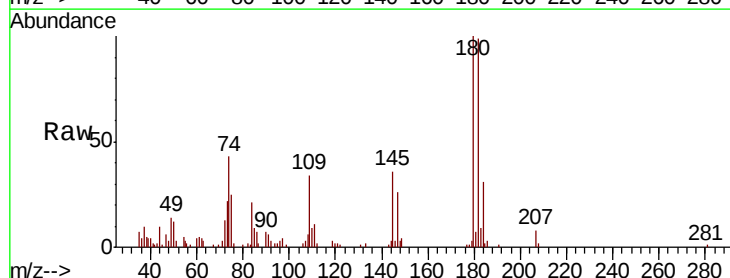


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.531 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057477.D
Acq: 23 Aug 2019 17:29

Tgt Ion:180 Resp: 32194
Ion Ratio Lower Upper
180 100
182 91.0 46.7 140.1
145 33.6 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

