

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
 Data File : VN057478.D
 Acq On : 23 Aug 2019 17:54
 Operator : JC/SP
 Sample : VN0824WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Quant Time: Aug 26 05:11:15 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	351648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	642553	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	541294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	175470	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	315639	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
35) Dibromofluoromethane	7.58	113	213601	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.08	98	807316	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.40	95	243982	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.84	85	79073	19.055	ug/l 98
3) Chloromethane	2.05	50	105486	17.798	ug/l 96
4) Vinyl Chloride	2.17	62	133494	18.505	ug/l 100
5) Bromomethane	2.55	94	87459	19.673	ug/l 96
6) Chloroethane	2.69	64	85884	18.508	ug/l 98
7) Trichlorofluoromethane	3.00	101	205733	18.373	ug/l 99
8) Diethyl Ether	3.39	74	75499	19.145	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	113810	19.780	ug/l 100
10) Methyl Iodide	3.92	142	94471	20.662	ug/l 97
11) Tert butyl alcohol	4.79	59	65123	84.731	ug/l 95
12) 1,1-Dichloroethene	3.71	96	110159	18.404	ug/l 97
13) Acrolein	3.58	56	53682	79.431	ug/l 99
14) Allyl chloride	4.29	41	144013	18.190	ug/l 99
15) Acrylonitrile	4.96	53	185682	89.584	ug/l 98
16) Acetone	3.80	43	306146	107.767	ug/l 97
17) Carbon Disulfide	4.02	76	186472	16.332	ug/l 99
18) Methyl Acetate	4.30	43	113017	17.821	ug/l 99
19) Methyl tert-butyl Ether	5.02	73	244426	16.917	ug/l 98
20) Methylene Chloride	4.52	84	77167	18.274	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	70752	16.751	ug/l 98
22) Diisopropyl ether	5.94	45	309187	18.206	ug/l 95
23) Vinyl Acetate	5.87	43	1169019	88.133	ug/l 100
24) 1,1-Dichloroethane	5.82	63	160854	17.872	ug/l 97
25) 2-Butanone	6.82	43	271489	88.010	ug/l 99
26) 2,2-Dichloropropane	6.80	77	133564	17.137	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	87779	17.532	ug/l 98
28) Bromochloromethane	7.17	49	99715	20.574	ug/l 95
29) Tetrahydrofuran	7.20	42	180905	88.937	ug/l 100
30) Chloroform	7.36	83	155021	18.610	ug/l 96
31) Cyclohexane	7.63	56	164026	18.876	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	134200	17.383	ug/l 98
36) 1,1-Dichloropropene	7.78	75	115412	17.578	ug/l 98
37) Ethyl Acetate	6.92	43	117954	18.181	ug/l 99
38) Carbon Tetrachloride	7.76	117	109189	16.740	ug/l 96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142112	18.225	ug/l	97
40) Benzene	8.03	78	343091	17.410	ug/l	97
41) Methacrylonitrile	7.16	41	49254	15.921	ug/l	97
42) 1,2-Dichloroethane	8.11	62	131384	17.316	ug/l	100
43) Isopropyl Acetate	8.16	43	206399	17.350	ug/l	98
44) Trichloroethene	8.82	130	79847	18.152	ug/l	88
45) 1,2-Dichloropropane	9.11	63	98450	17.739	ug/l	99
46) Dibromomethane	9.20	93	57604	17.463	ug/l	98
47) Bromodichloromethane	9.39	83	122101	16.676	ug/l	94
48) Methyl methacrylate	9.19	41	99532	17.595	ug/l	98
49) 1,4-Dioxane	9.20	88	24812	339.192	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	570293	86.019	ug/l	99
52) Toluene	10.15	92	201760	17.764	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	123991	16.167	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	138581	16.229	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	78445	17.079	ug/l	97
56) Ethyl methacrylate	10.43	69	124938	17.292	ug/l	98
57) 1,3-Dichloropropane	10.70	76	140373	17.560	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	221882	119.802	ug/l	99
59) 2-Hexanone	10.75	43	392065	86.219	ug/l	100
60) Dibromochloromethane	10.90	129	78511	16.175	ug/l	100
61) 1,2-Dibromoethane	11.00	107	74943	16.636	ug/l	97
64) Tetrachloroethene	10.63	164	69653	18.393	ug/l	97
65) Chlorobenzene	11.43	112	186871	17.078	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	72631	17.308	ug/l	97
67) Ethyl Benzene	11.51	91	367441	17.349	ug/l	99
68) m/p-Xylenes	11.62	106	260615	36.183	ug/l	99
69) o-Xylene	11.95	106	127841	17.917	ug/l	99
70) Styrene	11.96	104	193294	17.109	ug/l	97
71) Bromoform	12.13	173	43393	15.297	ug/l #	98
73) Isopropylbenzene	12.25	105	333950	18.997	ug/l	99
74) N-amyl acetate	12.07	43	153882	18.882	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	98402	19.606	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	127973	31.572	ug/l #	100
77) Bromobenzene	12.53	156	69105	19.616	ug/l	99
78) n-propylbenzene	12.59	91	364139	18.865	ug/l	100
79) 2-Chlorotoluene	12.68	91	216614	18.694	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	274167	19.327	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28648	16.054	ug/l	91
82) 4-Chlorotoluene	12.77	91	208496	18.759	ug/l	100
83) tert-Butylbenzene	12.99	119	233248	19.295	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	258281	18.933	ug/l	100
85) sec-Butylbenzene	13.17	105	304306	19.369	ug/l	99
86) p-Isopropyltoluene	13.29	119	245767	17.919	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	101172	17.850	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	95984	17.293	ug/l	95
89) n-Butylbenzene	13.62	91	212951	18.347	ug/l	98
90) Hexachloroethane	13.88	117	49098	16.770	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	99922	18.468	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14854	17.390	ug/l	95

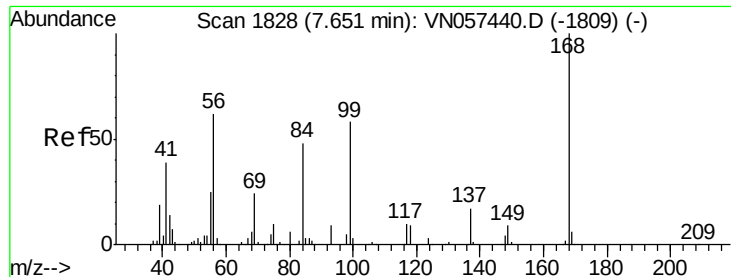
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082419\
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QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	28600	17.032	ug/l	97
94) Hexachlorobutadiene	15.01	225	32361	21.648	ug/l	97
95) Naphthalene	15.13	128	93415	16.560	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	30882	17.789	ug/l	99

(#) = 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: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

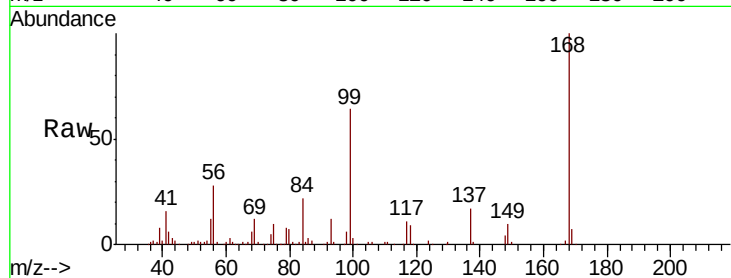
VN0824WBSD01

Tgt Ion:168 Resp: 351648

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): VN0

7.65

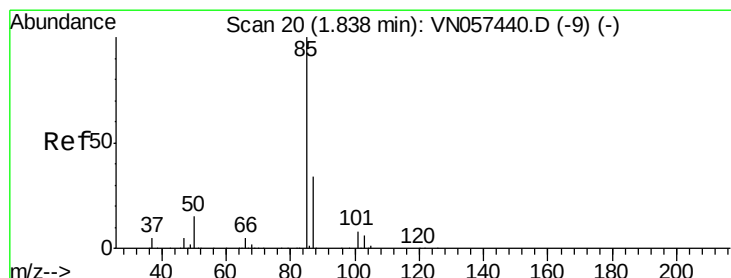
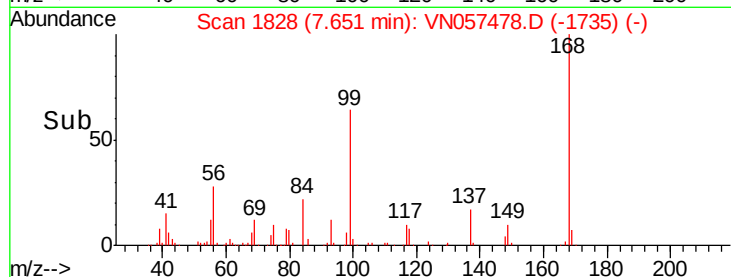
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.055 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057478.D

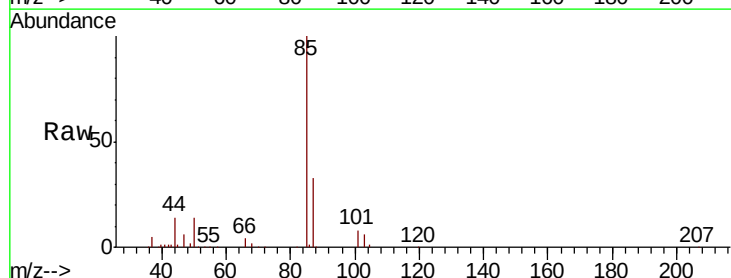
Acq: 23 Aug 2019 17:54

Tgt Ion: 85 Resp: 79073

Ion Ratio Lower Upper

85 100

87 32.9 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.84

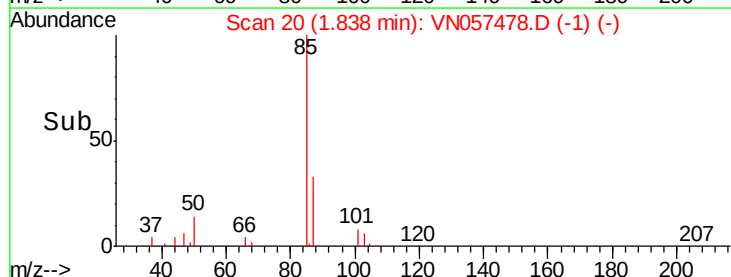
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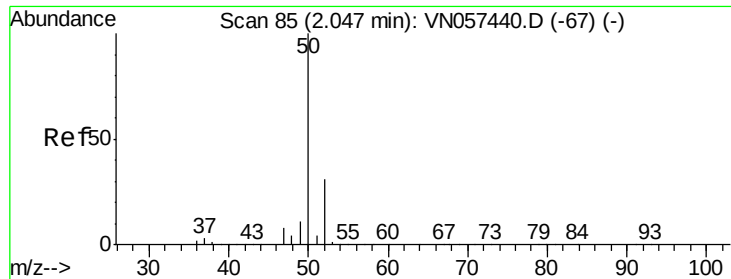
40000

20000

0

Time-->





#3

Chloromethane

Concen: 17.798 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

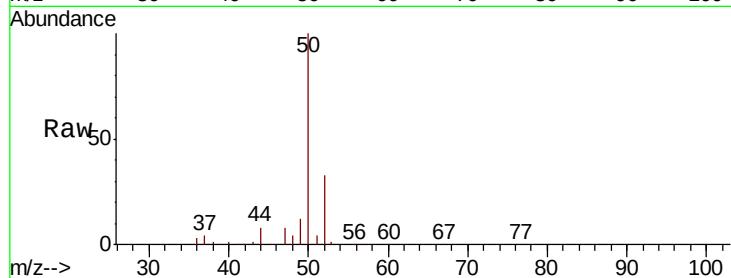
VN0824WBSD01

Tgt Ion: 50 Resp: 105486

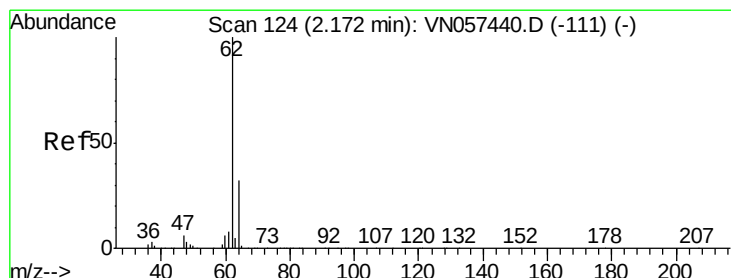
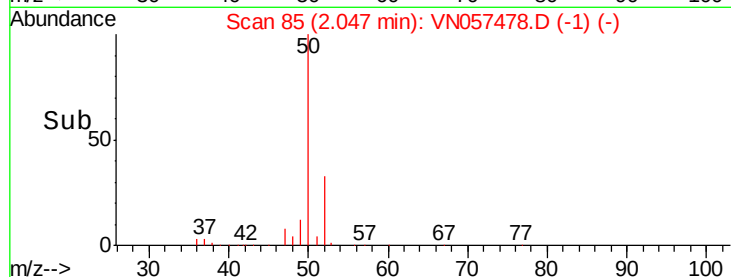
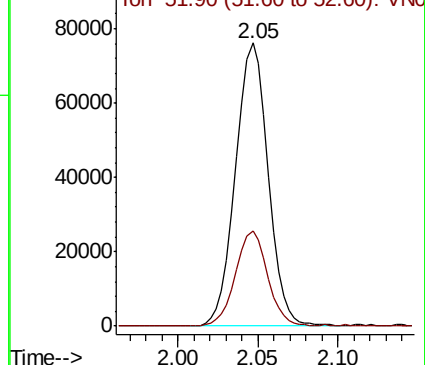
Ion Ratio Lower Upper

50 100

52 33.5 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.505 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057478.D

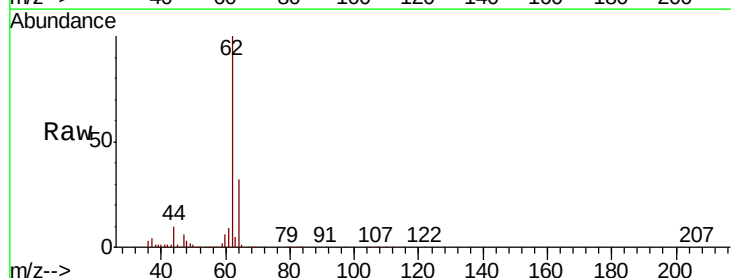
Acq: 23 Aug 2019 17:54

Tgt Ion: 62 Resp: 133494

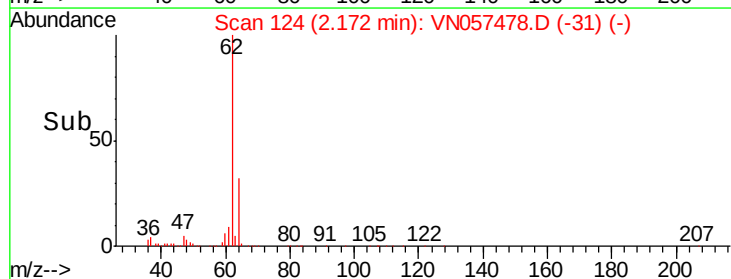
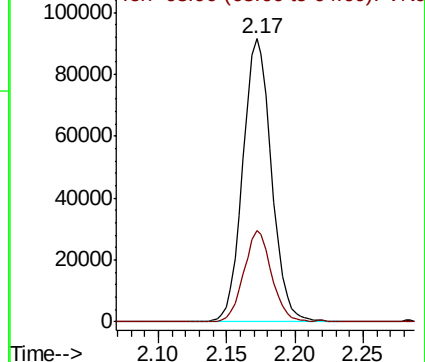
Ion Ratio Lower Upper

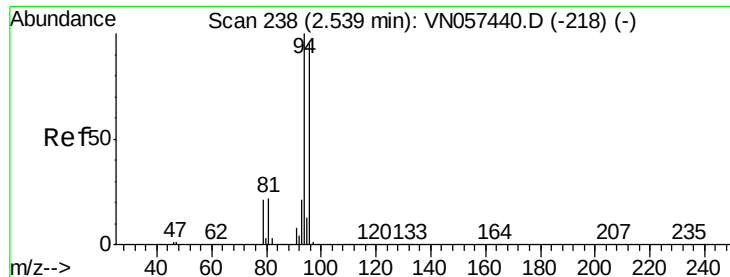
62 100

64 32.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.673 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

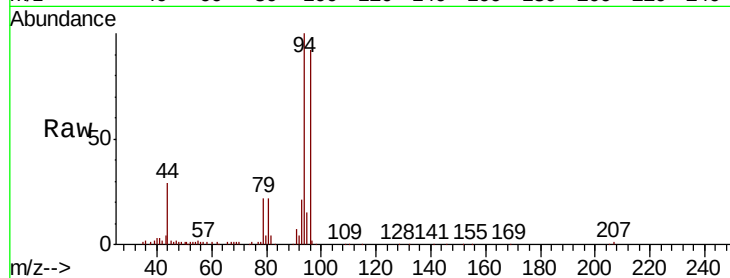
VN0824WBSD01

Tgt Ion: 94 Resp: 87459

Ion Ratio Lower Upper

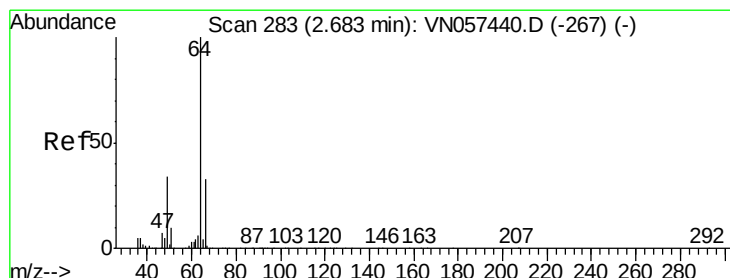
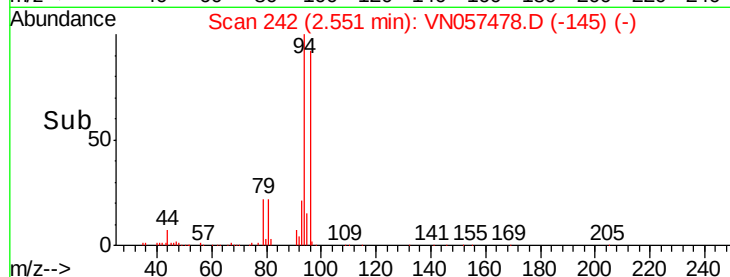
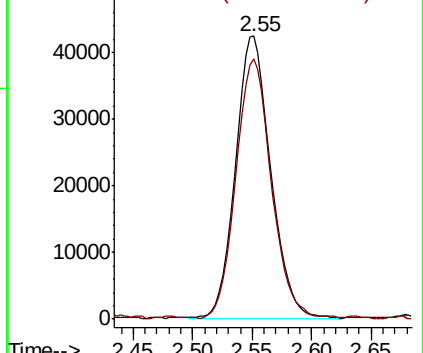
94 100

96 91.1 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.508 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN057478.D

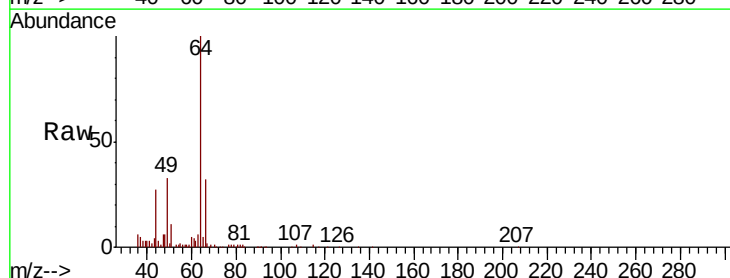
Acq: 23 Aug 2019 17:54

Tgt Ion: 64 Resp: 85884

Ion Ratio Lower Upper

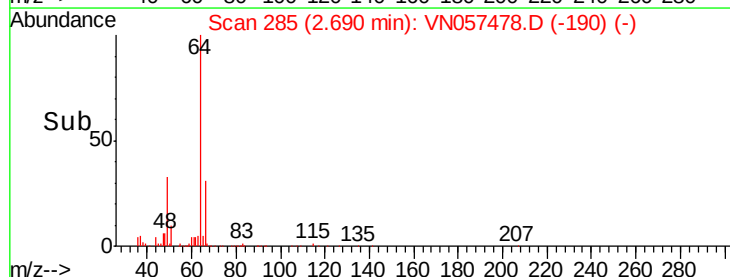
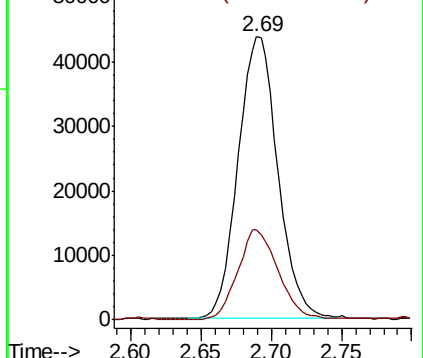
64 100

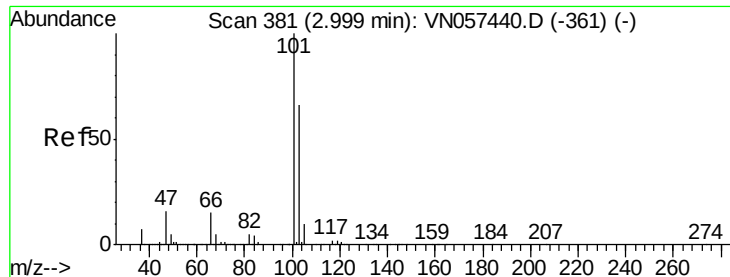
66 32.2 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



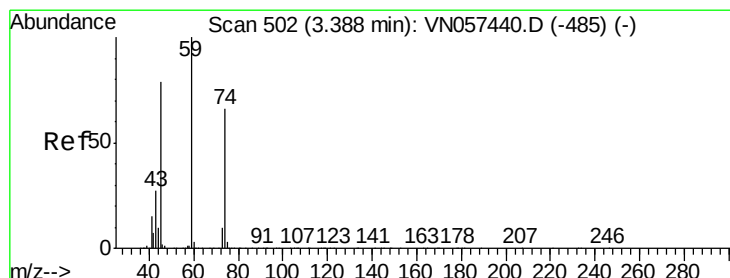
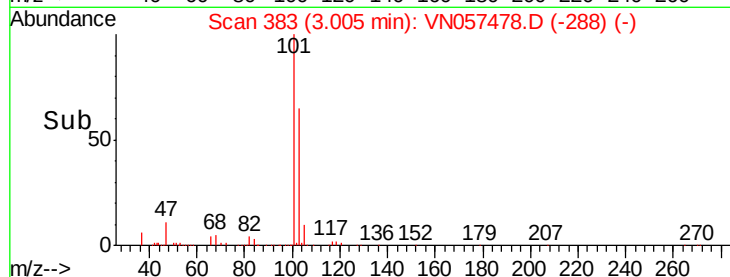
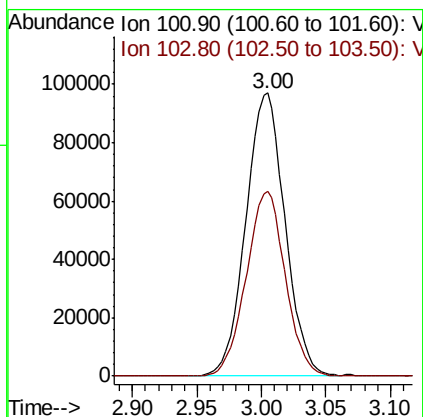
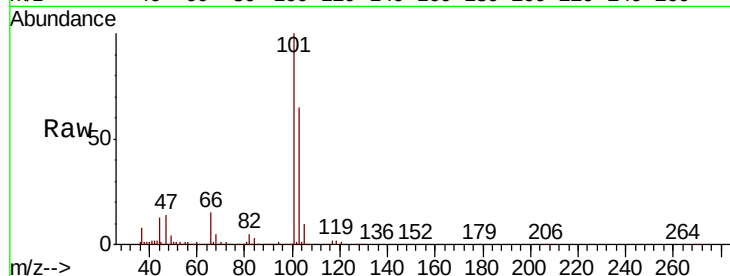


#7

Trichlorofluoromethane
 Concen: 18.373 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

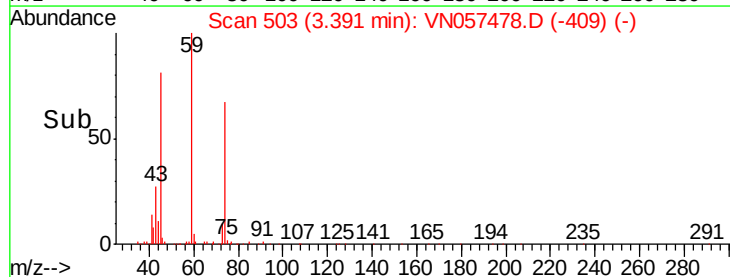
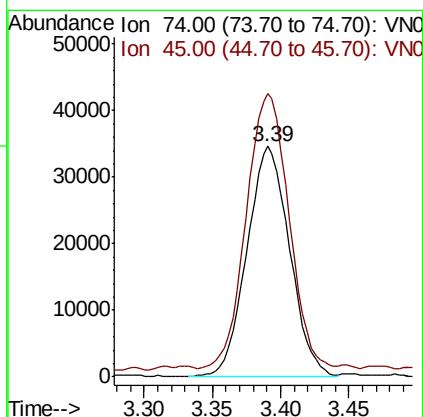
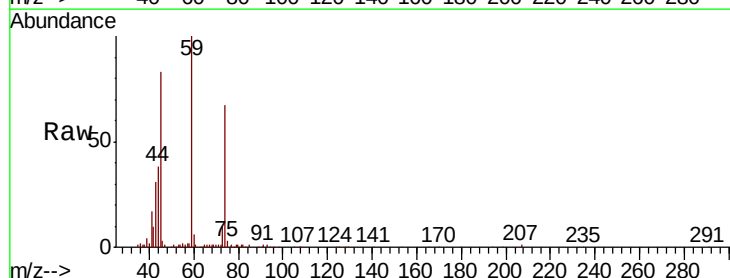
Tgt Ion:101 Resp: 205733
 Ion Ratio Lower Upper
 101 100
 103 65.1 52.6 78.8

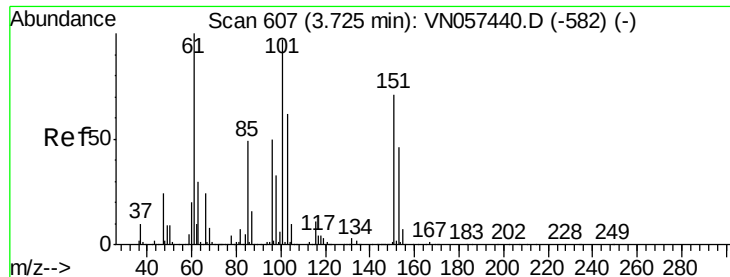


#8

Diethyl Ether
 Concen: 19.145 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion: 74 Resp: 75499
 Ion Ratio Lower Upper
 74 100
 45 117.7 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.780 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.01 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

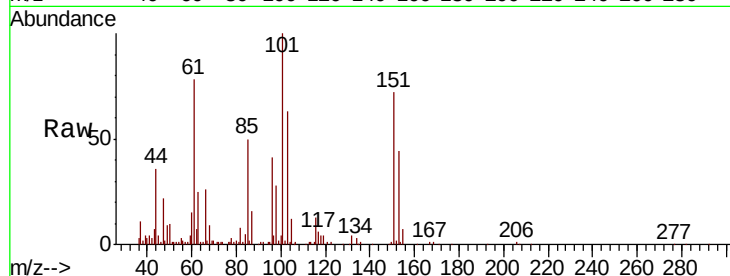
Tgt Ion:101 Resp: 113810

Ion Ratio Lower Upper

101 100

85 50.0 40.0 60.0

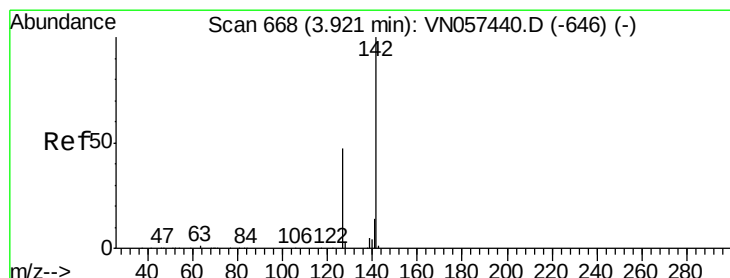
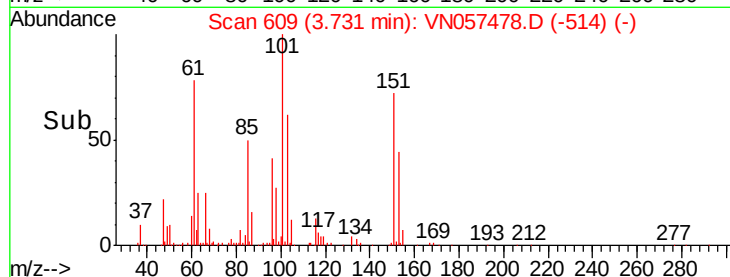
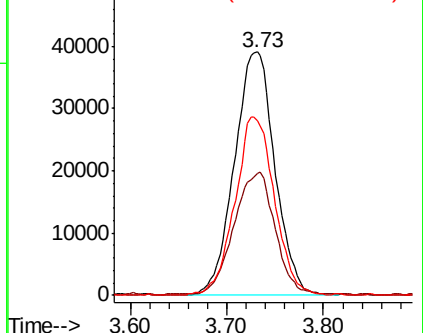
151 71.6 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.662 ug/l

RT: 3.92 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

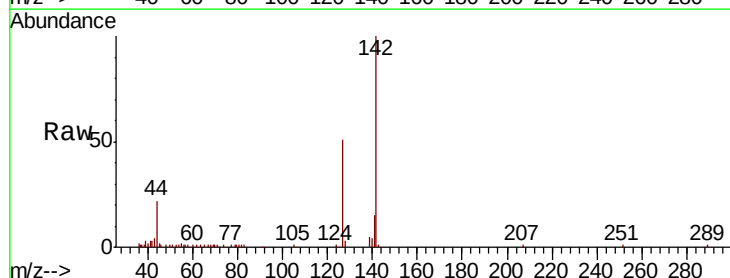
Tgt Ion:142 Resp: 94471

Ion Ratio Lower Upper

142 100

127 49.4 37.8 56.8

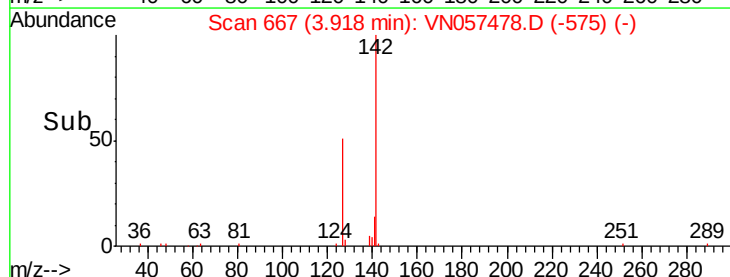
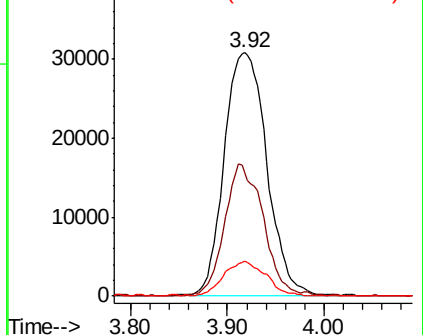
141 14.2 11.9 17.9

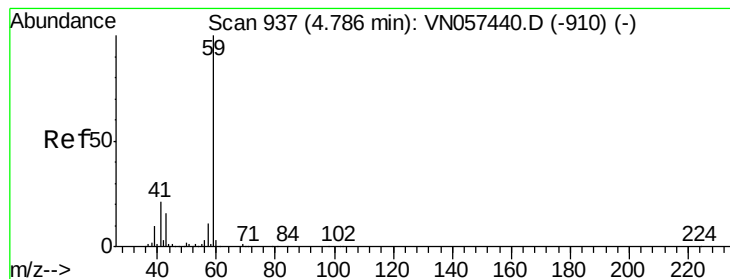


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 84.731 ug/l

RT: 4.79 min Scan# 937

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

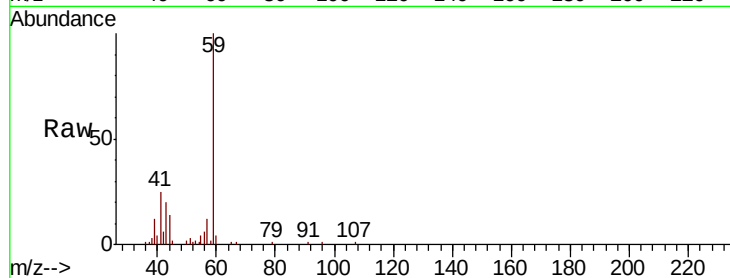
VN0824WBSD01

Tgt Ion: 59 Resp: 65123

Ion Ratio Lower Upper

59 100

57 9.4 9.1 13.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.79

20000

15000

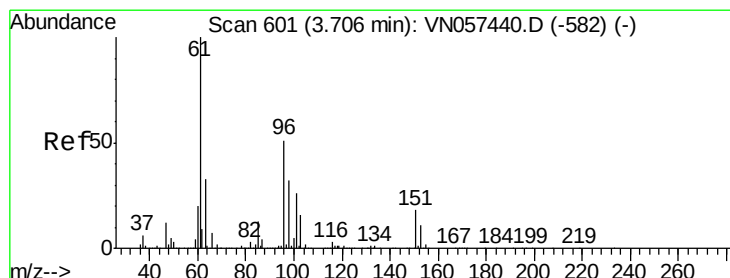
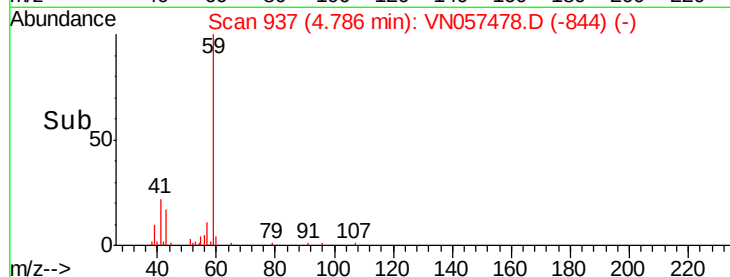
10000

5000

0

4.70 4.80 4.90

Time-->



#12

1,1-Dichloroethene

Concen: 18.404 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

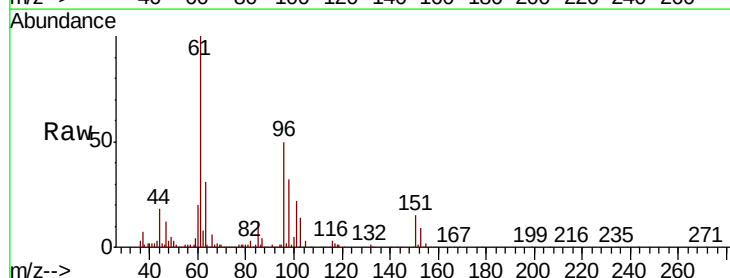
Tgt Ion: 96 Resp: 110159

Ion Ratio Lower Upper

96 100

61 198.8 155.3 232.9

98 63.1 50.2 75.2



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

120000

100000

80000

60000

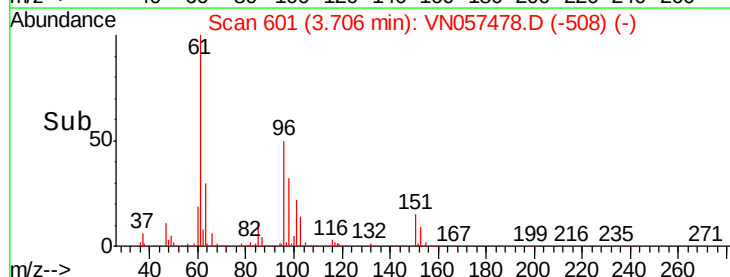
40000

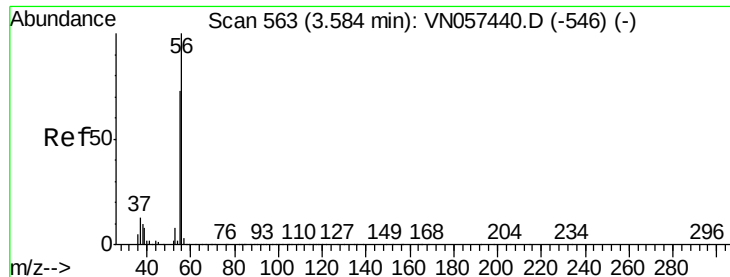
20000

0

3.60 3.70 3.80

Time-->





#13

Acrolein

Concen: 79.431 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

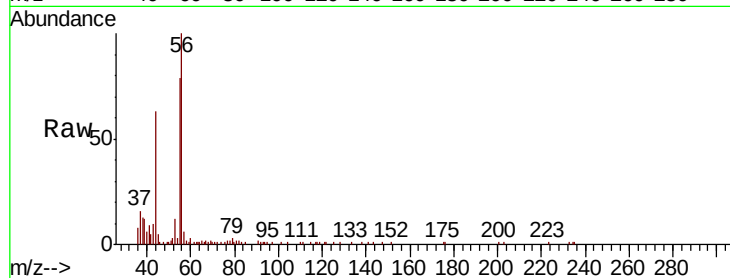
VN0824WBSD01

Tgt Ion: 56 Resp: 53682

Ion Ratio Lower Upper

56 100

55 73.1 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

25000

20000

15000

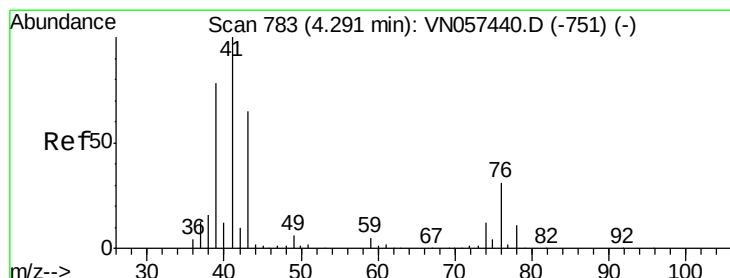
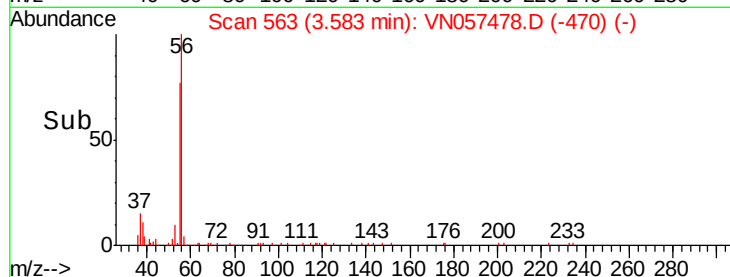
10000

5000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 18.190 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

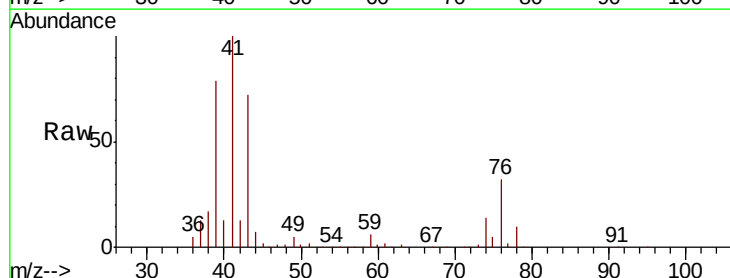
Tgt Ion: 41 Resp: 144013

Ion Ratio Lower Upper

41 100

39 72.8 57.4 86.2

76 28.3 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

60000

50000

40000

30000

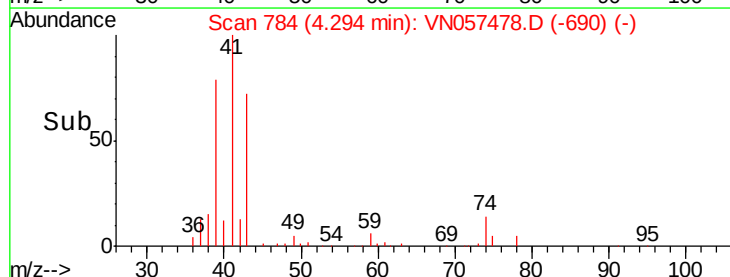
20000

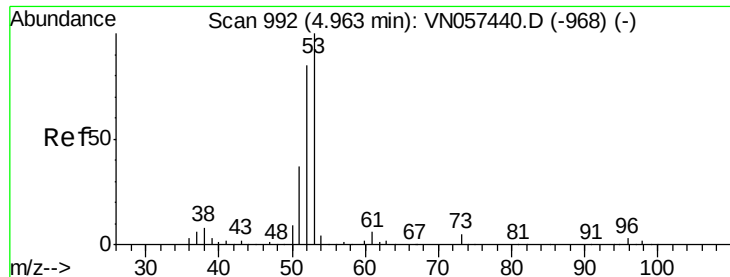
10000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 89.584 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

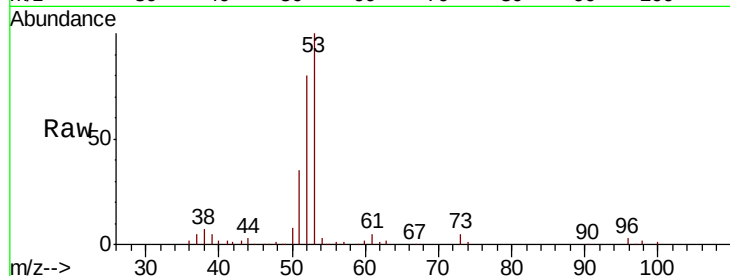
Tgt Ion: 53 Resp: 185682

Ion Ratio Lower Upper

53 100

52 81.4 67.0 100.6

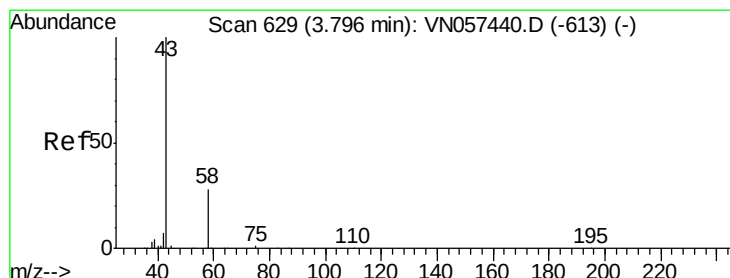
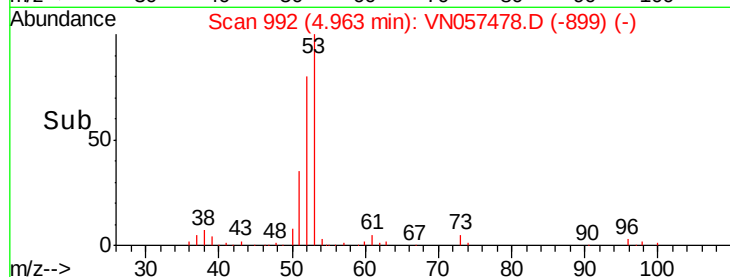
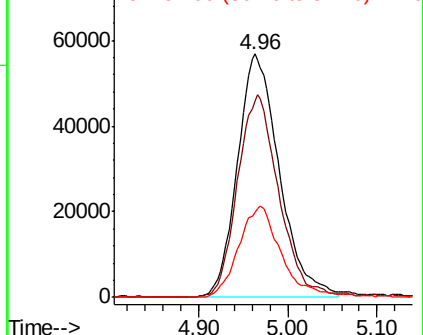
51 38.1 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 107.767 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057478.D

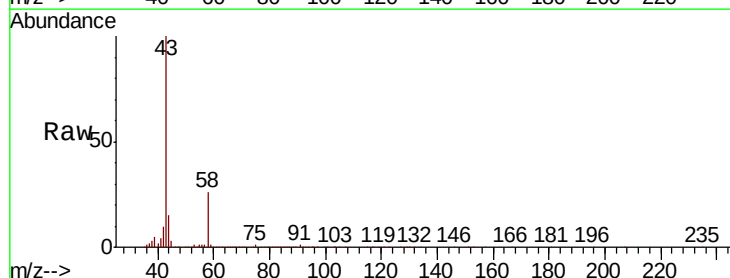
Acq: 23 Aug 2019 17:54

Tgt Ion: 43 Resp: 306146

Ion Ratio Lower Upper

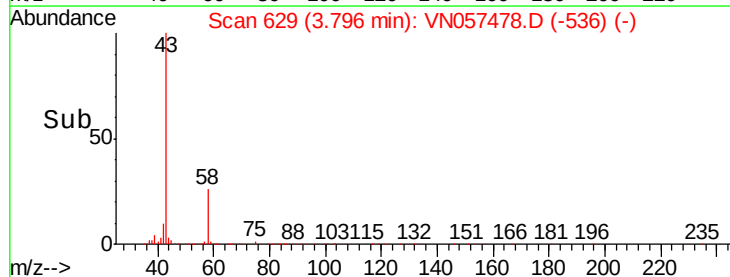
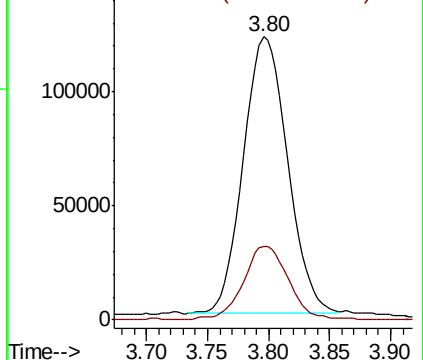
43 100

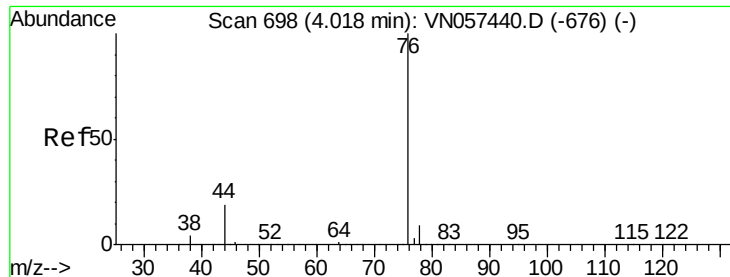
58 26.2 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 16.332 ug/l

RT: 4.02 min Scan# 698

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

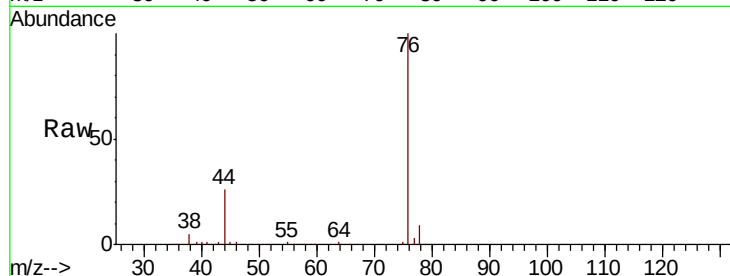
VN0824WBSD01

Tgt Ion: 76 Resp: 186472

Ion Ratio Lower Upper

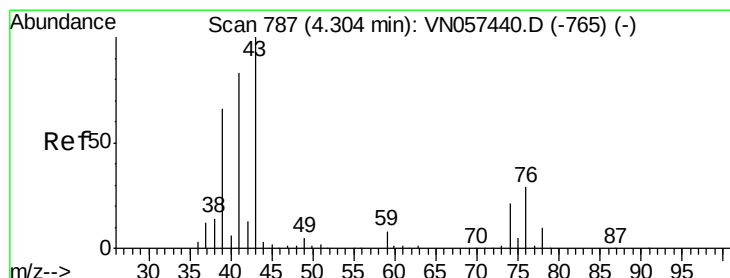
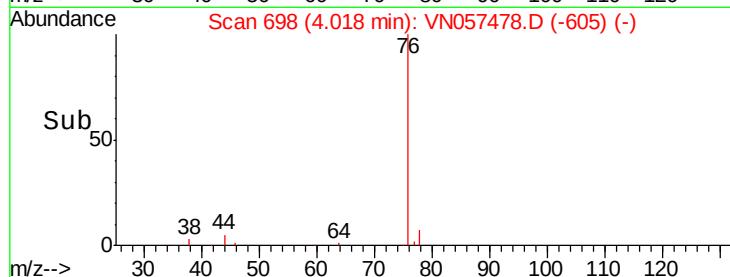
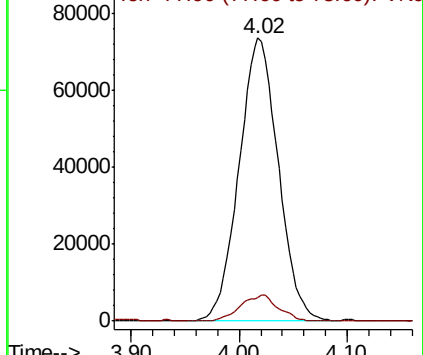
76 100

78 8.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 17.821 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN057478.D

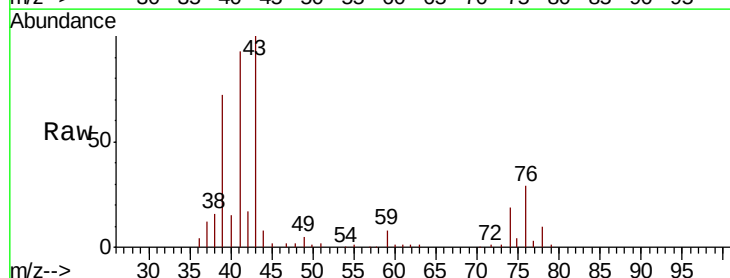
Acq: 23 Aug 2019 17:54

Tgt Ion: 43 Resp: 113017

Ion Ratio Lower Upper

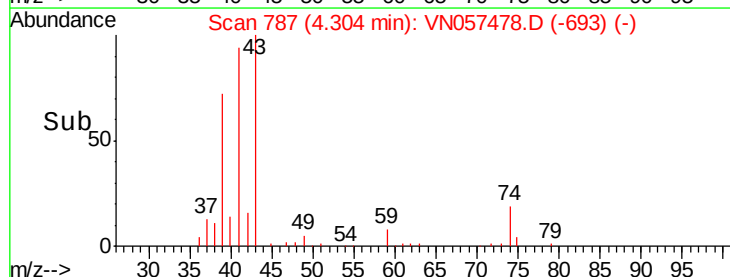
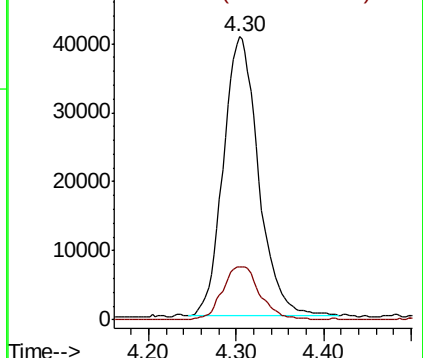
43 100

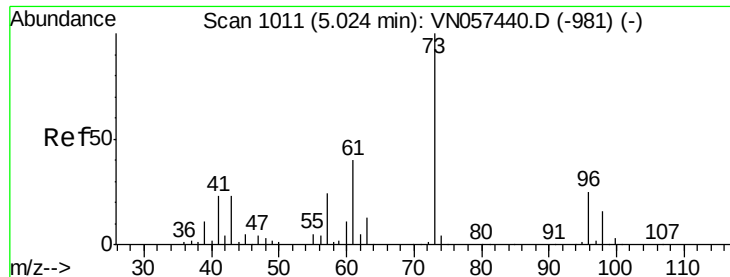
74 20.4 15.9 23.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



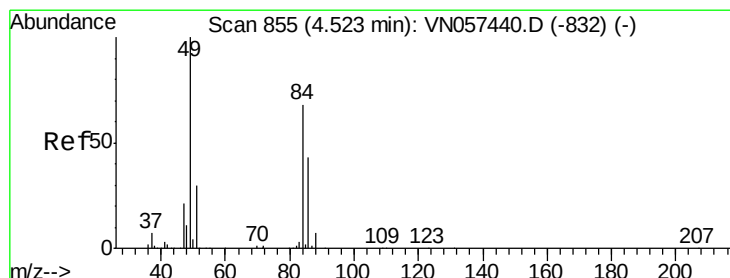
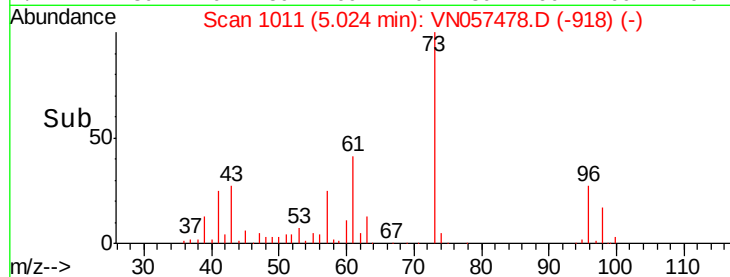
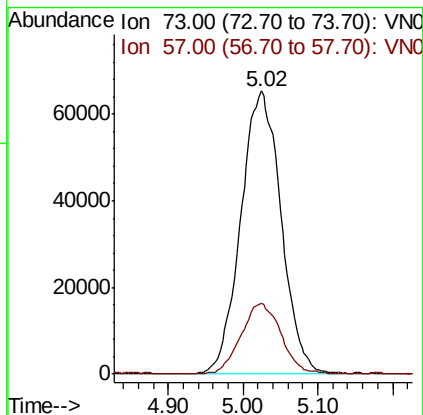
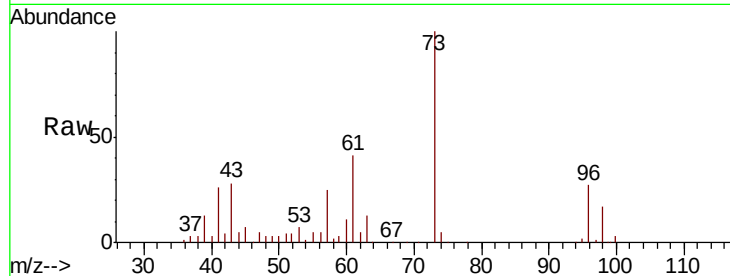


#19

Methyl tert-butyl Ether
 Concen: 16.917 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

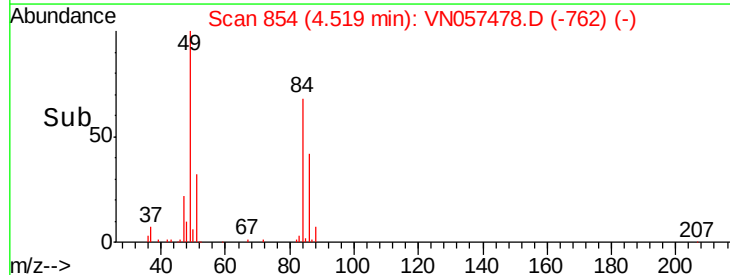
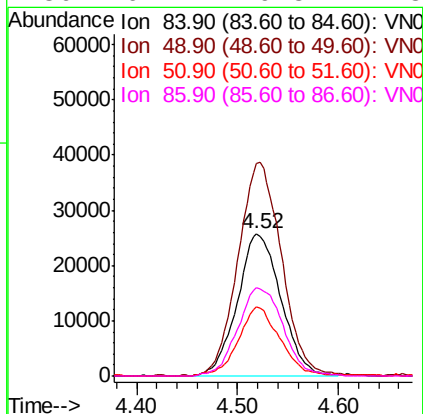
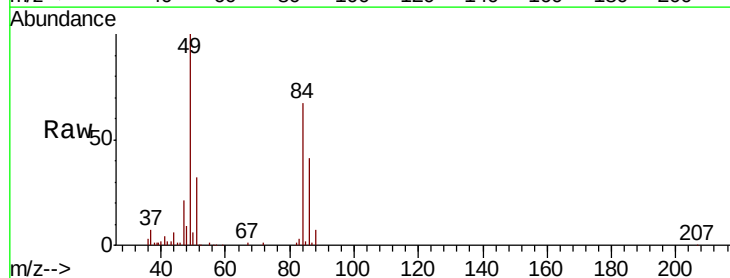
Tgt Ion: 73 Resp: 244426
 Ion Ratio Lower Upper
 73 100
 57 24.9 19.1 28.7

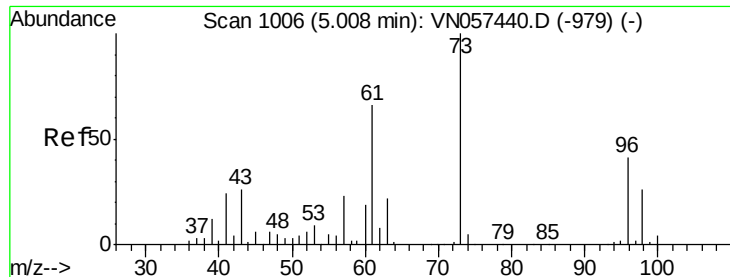


#20

Methylene Chloride
 Concen: 18.274 ug/l
 RT: 4.52 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion: 84 Resp: 77167
 Ion Ratio Lower Upper
 84 100
 49 148.7 117.0 175.4
 51 48.0 35.5 53.3
 86 61.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 16.751 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

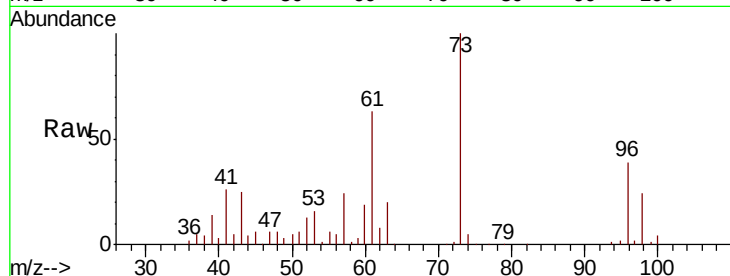
Tgt Ion: 96 Resp: 70752

Ion Ratio Lower Upper

96 100

61 162.1 127.9 191.9

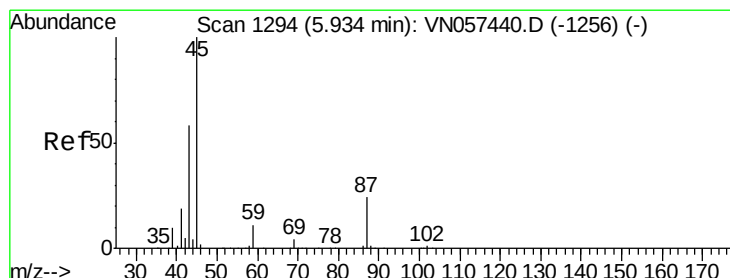
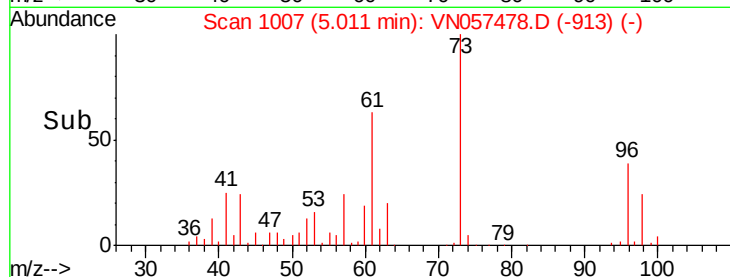
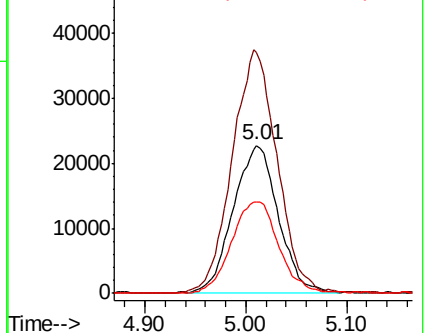
98 62.0 50.6 76.0



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: 18.206 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion: 45 Resp: 309187

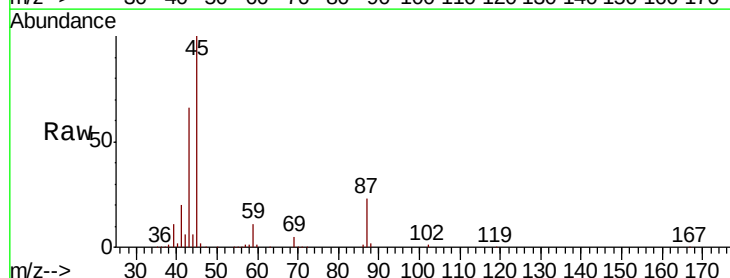
Ion Ratio Lower Upper

45 100

43 63.7 46.9 70.3

87 23.2 19.3 28.9

59 10.6 8.7 13.1

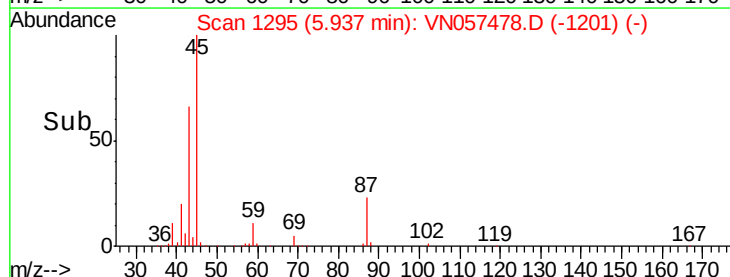
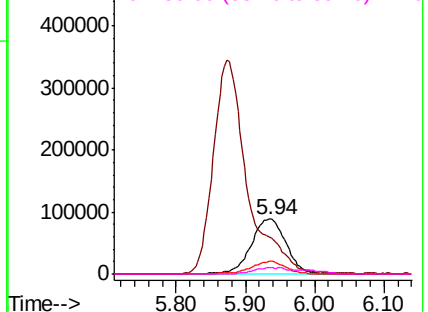


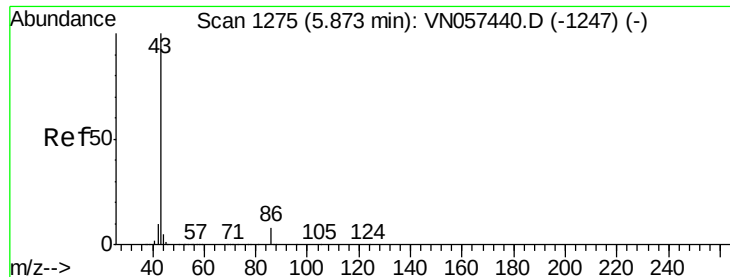
Abundance Ion 45.00 (44.70 to 45.70): VN0

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

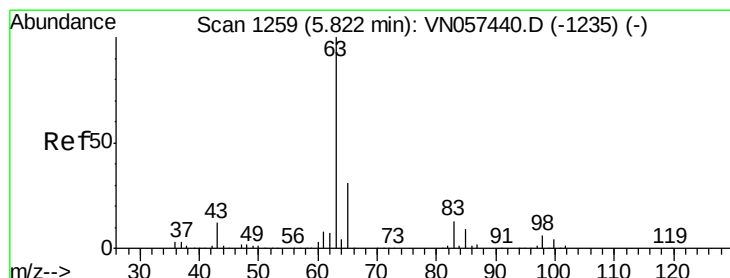
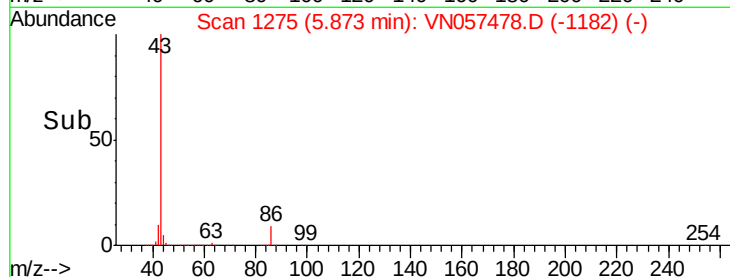
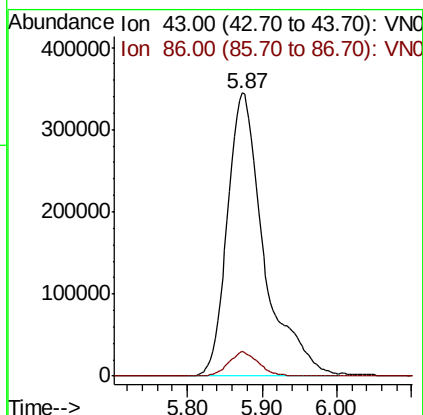
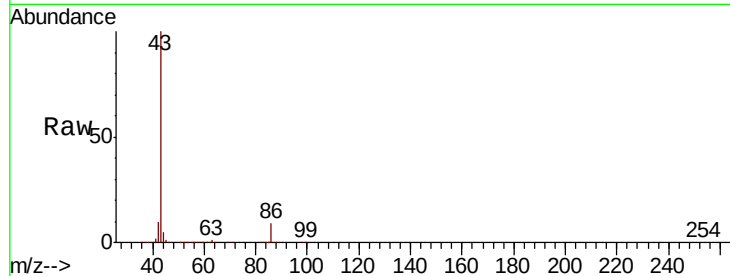




#23
 Vinyl Acetate
 Concen: 88.133 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

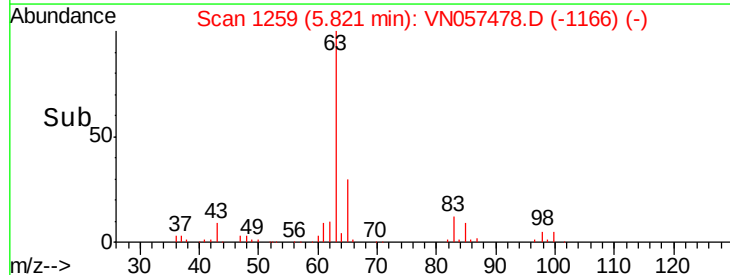
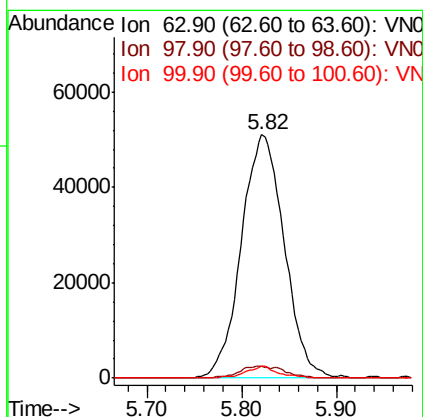
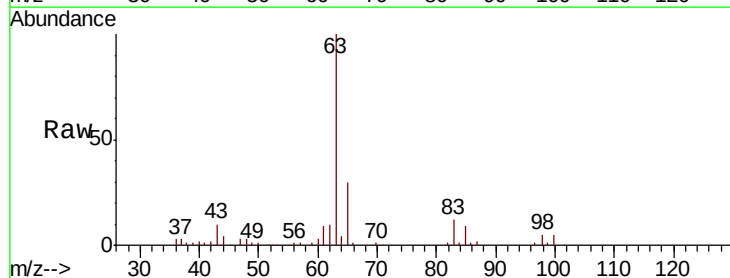
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

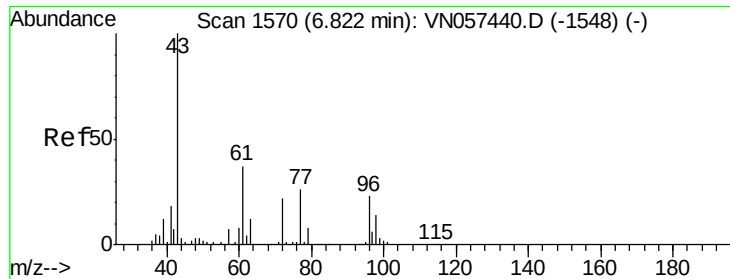
Tgt Ion: 43 Resp: 1169019
 Ion Ratio Lower Upper
 43 100
 86 8.6 6.7 10.1



#24
 1,1-Dichloroethane
 Concen: 17.872 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion: 63 Resp: 160854
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.9 8.6
 100 4.9 2.1 6.3





#25

2-Butanone

Concen: 88.010 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampled :

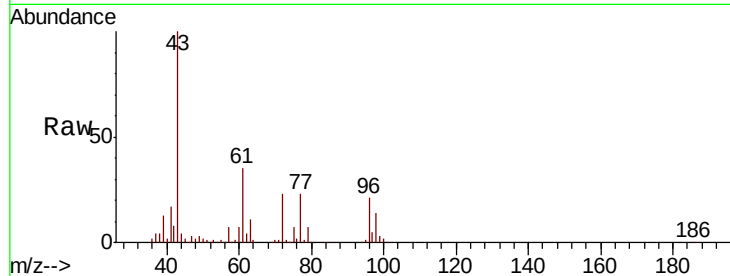
VN0824WBSD01

Tgt Ion: 43 Resp: 271489

Ion Ratio Lower Upper

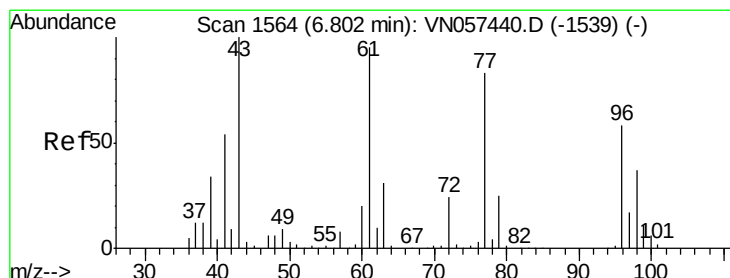
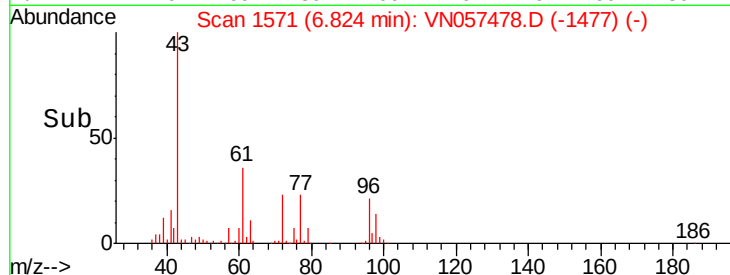
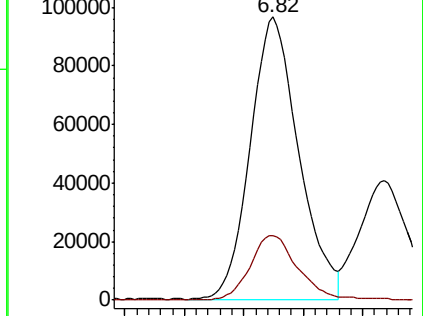
43 100

72 22.7 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.137 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057478.D

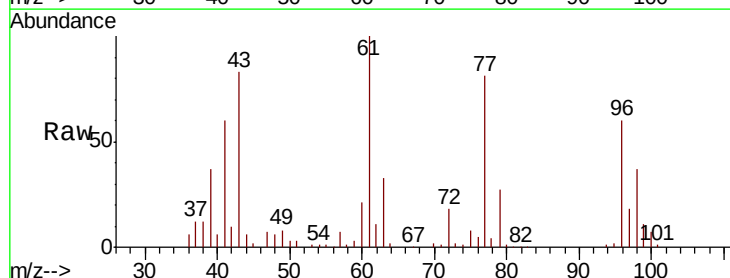
Acq: 23 Aug 2019 17:54

Tgt Ion: 77 Resp: 133564

Ion Ratio Lower Upper

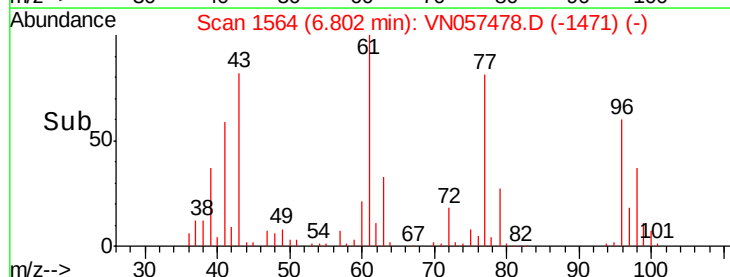
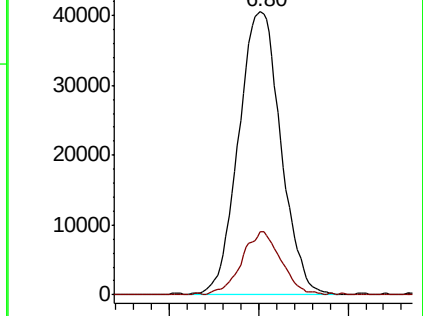
77 100

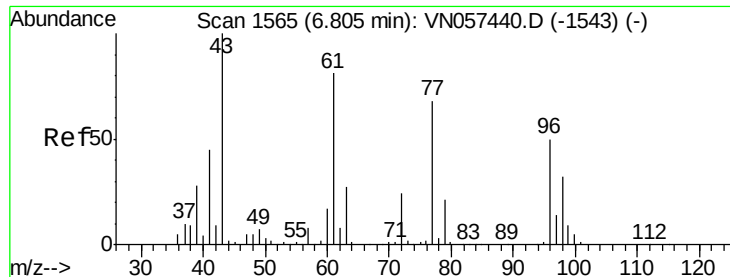
97 20.8 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 17.532 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

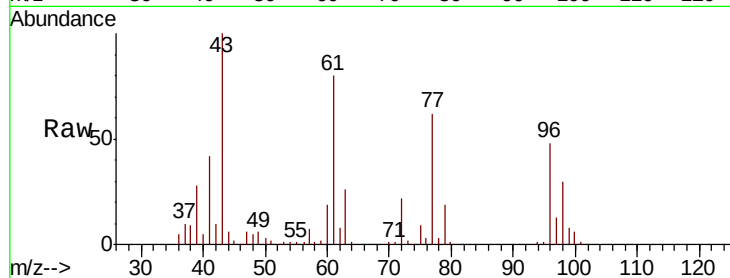
Tgt Ion: 96 Resp: 87779

Ion Ratio Lower Upper

96 100

61 170.4 0.0 334.8

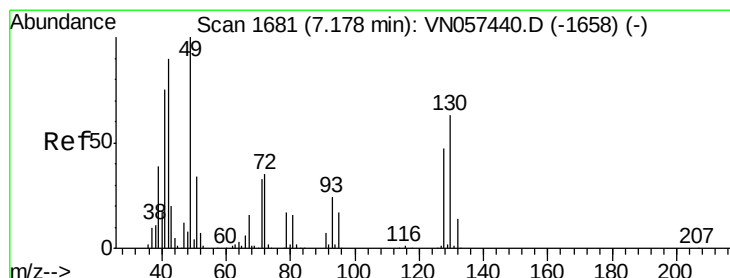
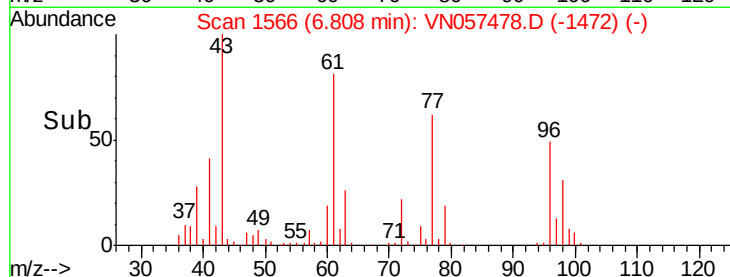
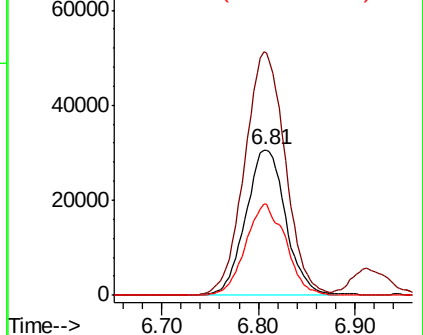
98 63.1 0.0 127.4



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: 20.574 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

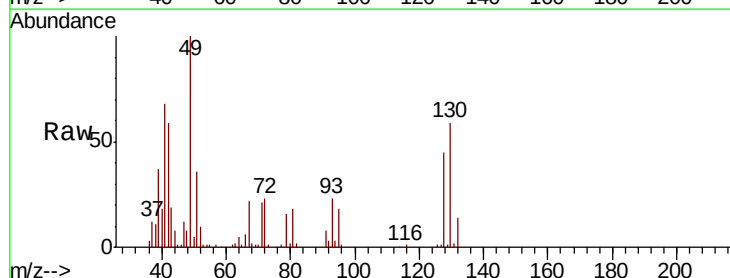
Tgt Ion: 49 Resp: 99715

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

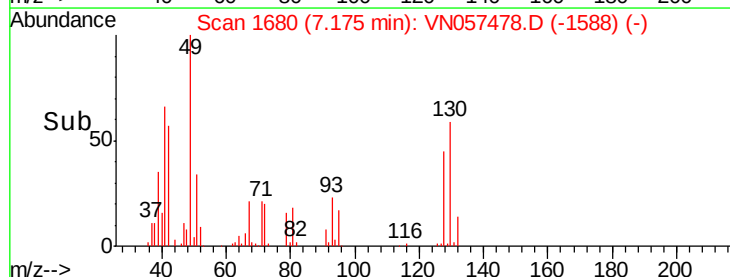
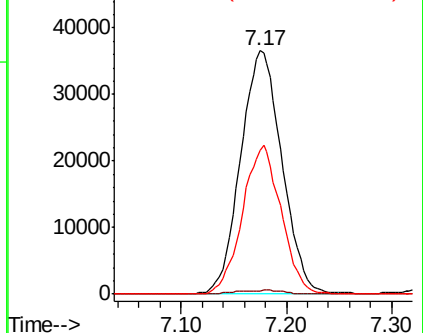
130 57.0 48.6 72.8

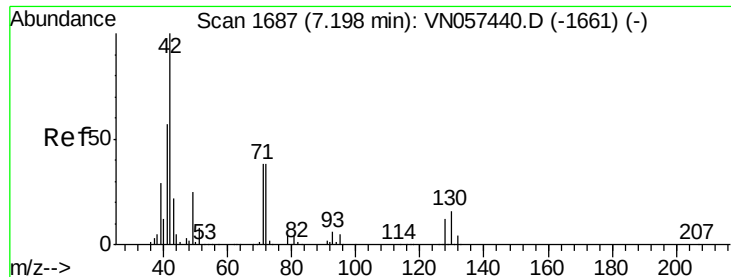


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

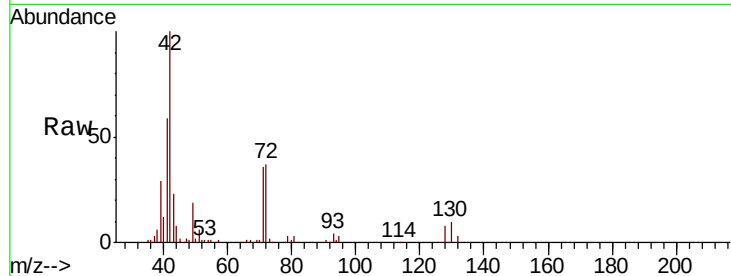




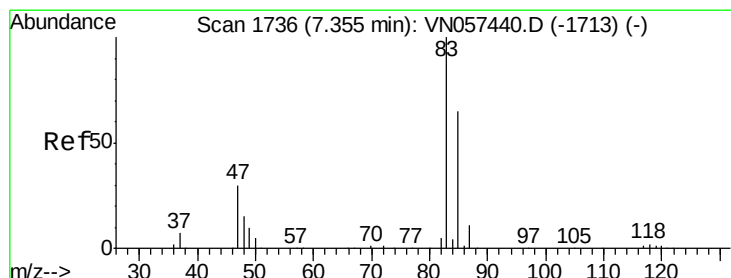
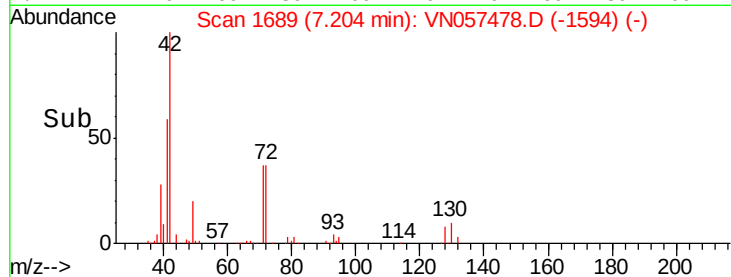
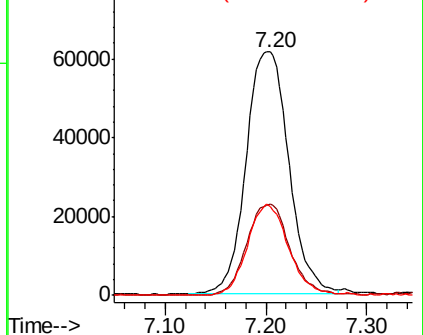
#29
Tetrahydrofuran
Concen: 88.937 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tgt Ion: 42 Resp: 180905
Ion Ratio Lower Upper
42 100
72 38.0 30.1 45.1
71 36.1 28.8 43.2

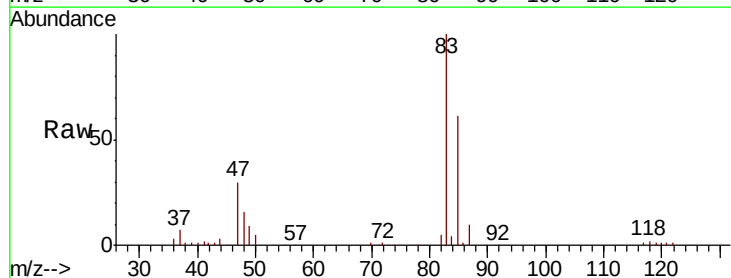


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

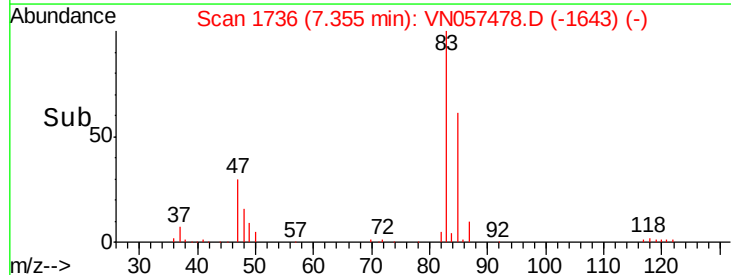
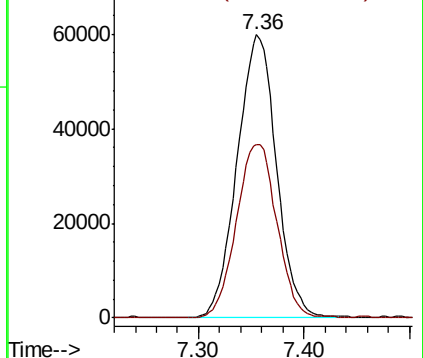


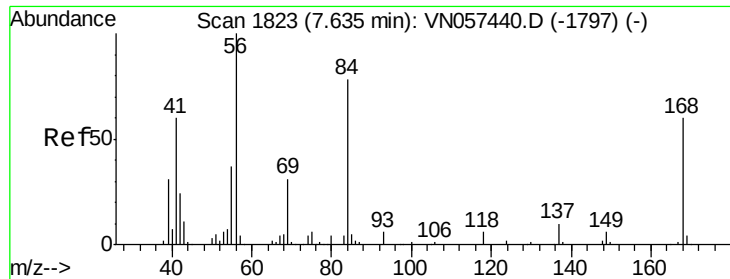
#30
Chloroform
Concen: 18.610 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion: 83 Resp: 155021
Ion Ratio Lower Upper
83 100
85 61.4 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0

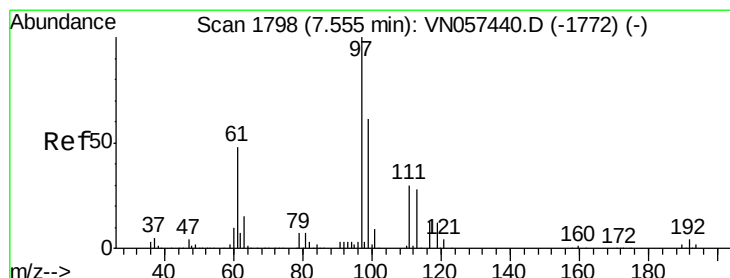
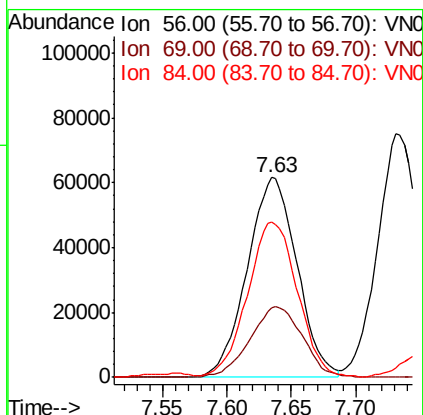
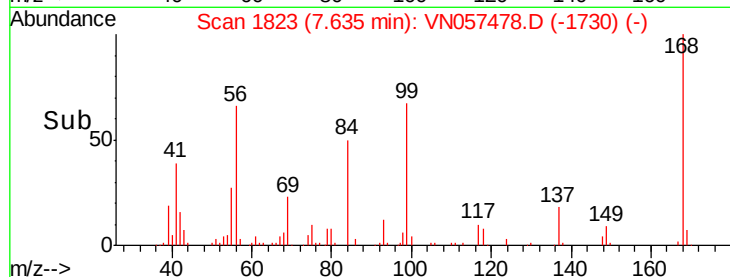
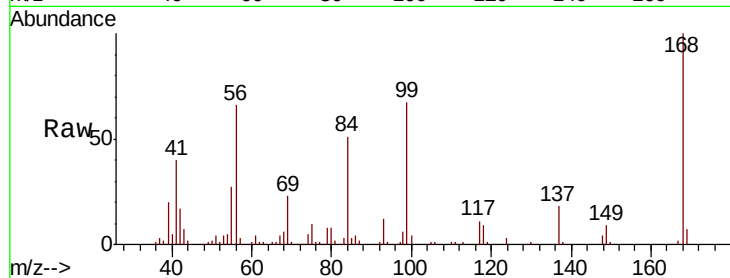




#31
Cyclohexane
Concen: 18.876 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

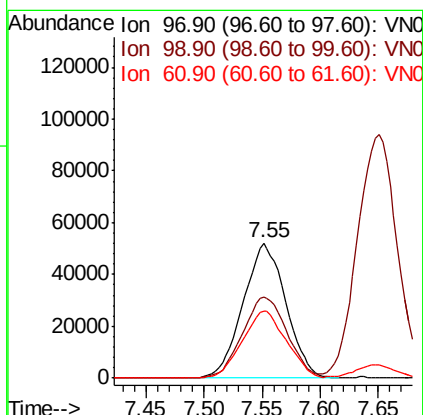
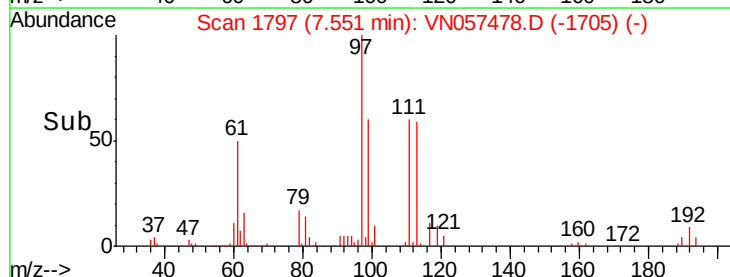
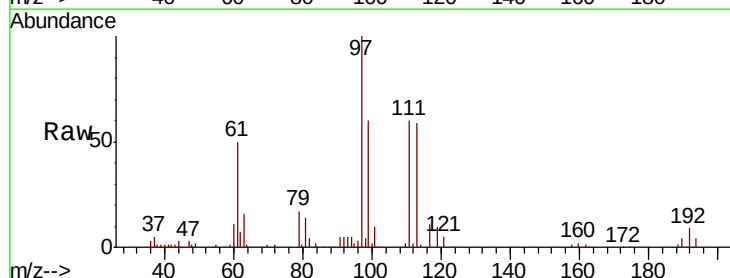
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

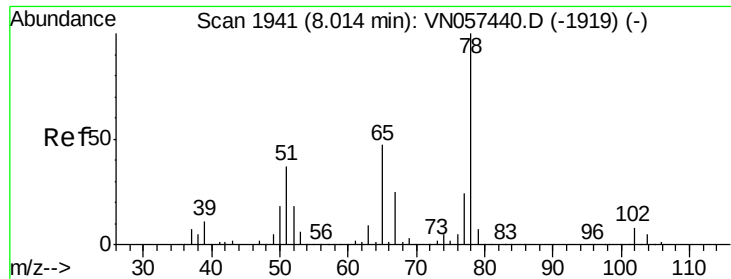
Tgt Ion: 56 Resp: 164026
Ion Ratio Lower Upper
56 100
69 35.0 25.0 37.6
84 76.7 62.5 93.7



#32
1,1,1-Trichloroethane
Concen: 17.383 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion: 97 Resp: 134200
Ion Ratio Lower Upper
97 100
99 62.4 51.0 76.6
61 51.0 39.8 59.6

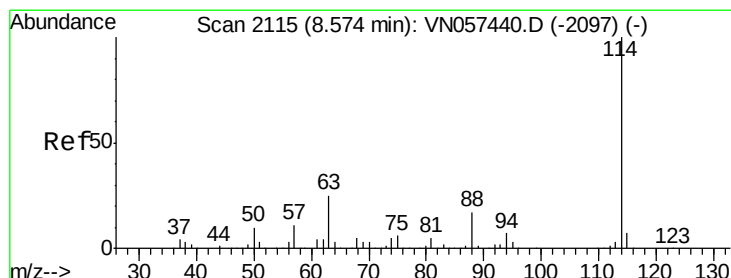
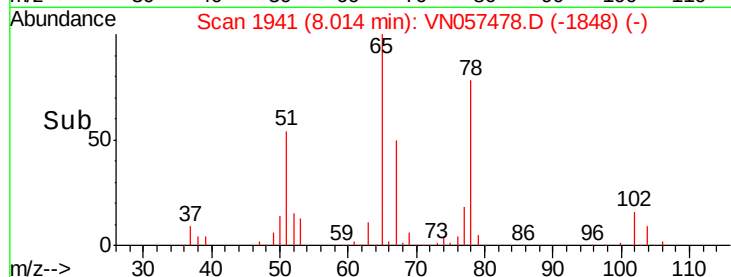
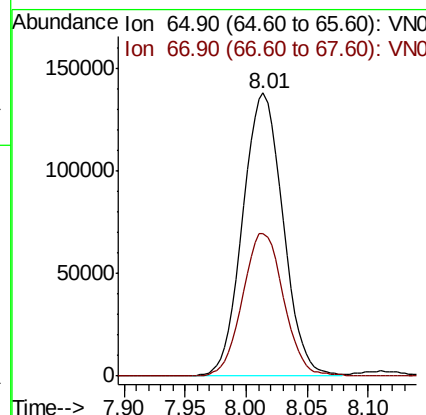
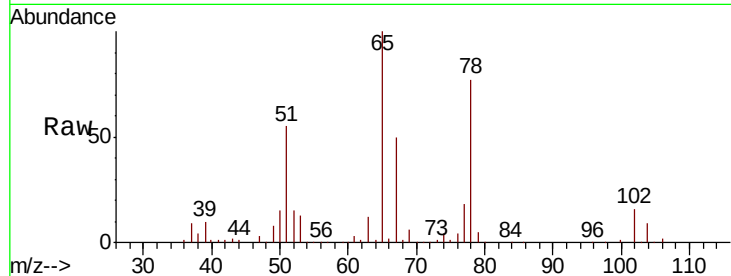




#33
 1,2-Dichloroethane-d4
 Concen: 51.025 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

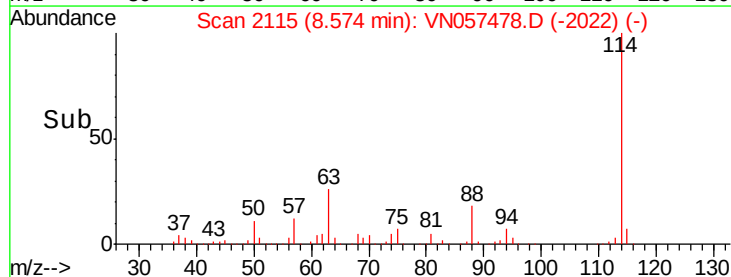
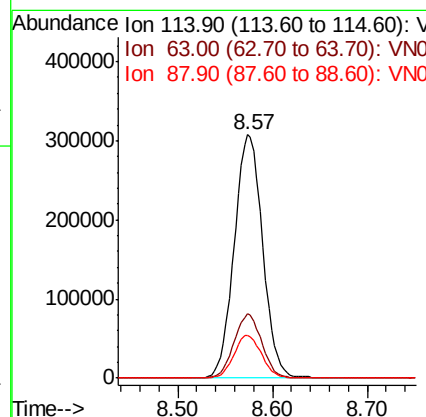
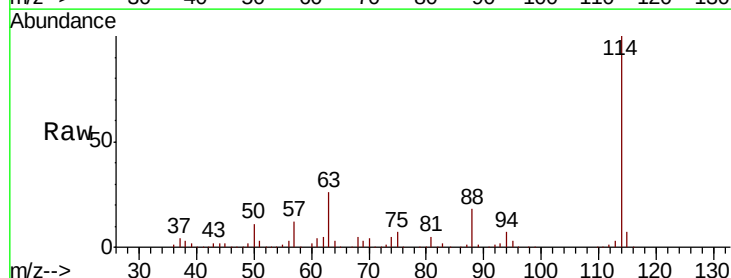
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

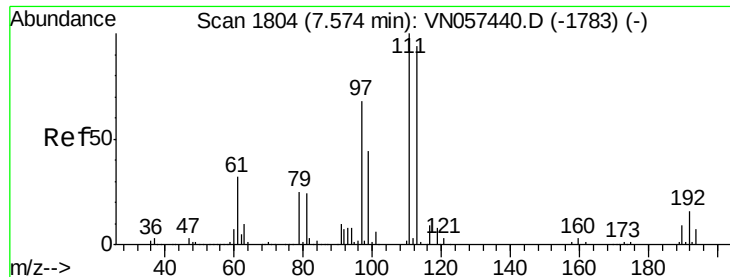
Tgt Ion: 65 Resp: 315639
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion: 114 Resp: 642553
 Ion Ratio Lower Upper
 114 100
 63 26.3 0.0 50.2
 88 17.7 0.0 34.6





#35

Dibromofluoromethane

Concen: 49.215 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0824WBSD01

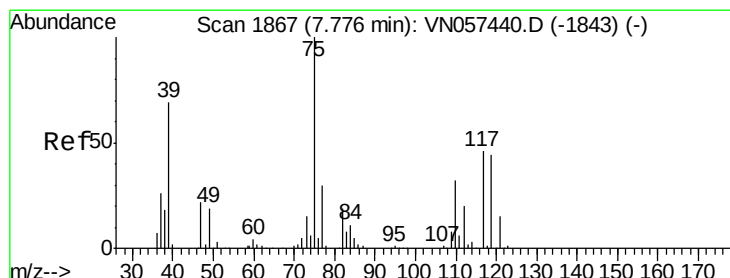
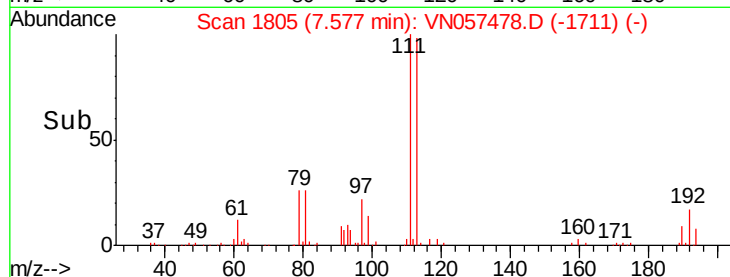
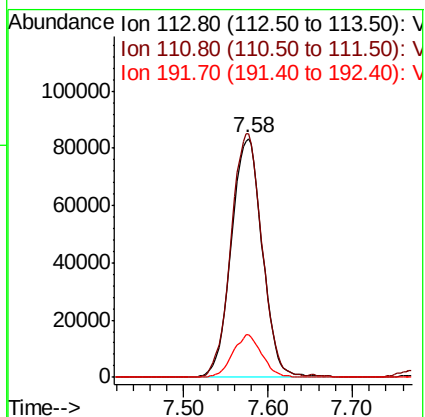
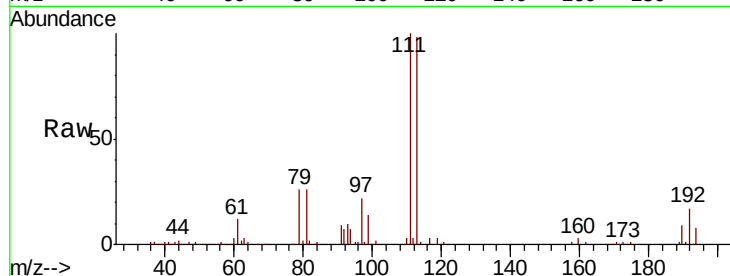
Tgt Ion: 113 Resp: 213601

Ion Ratio Lower Upper

113 100

111 101.8 83.8 125.6

192 16.8 13.5 20.3



#36

1,1-Dichloropropene

Concen: 17.578 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

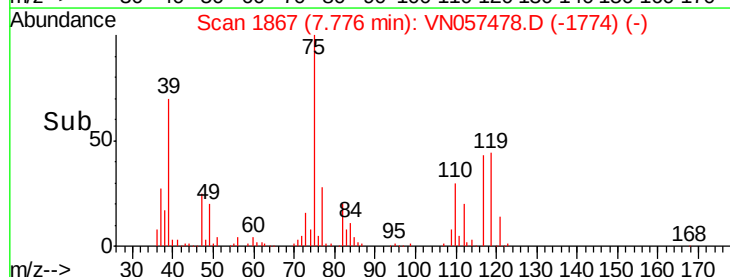
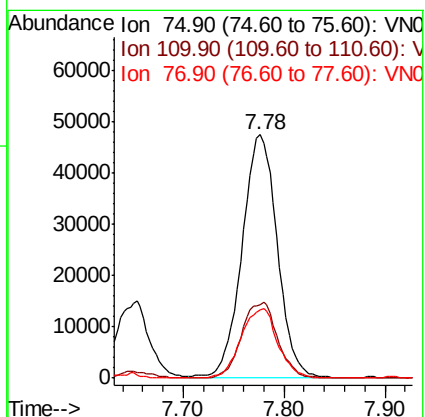
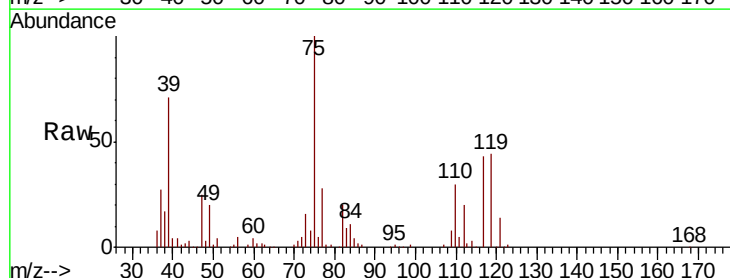
Tgt Ion: 75 Resp: 115412

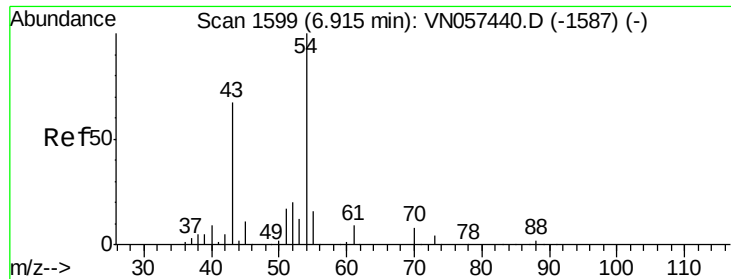
Ion Ratio Lower Upper

75 100

110 31.8 16.1 48.3

77 29.6 24.8 37.2

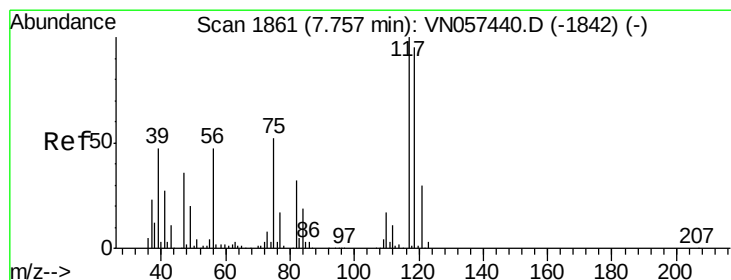
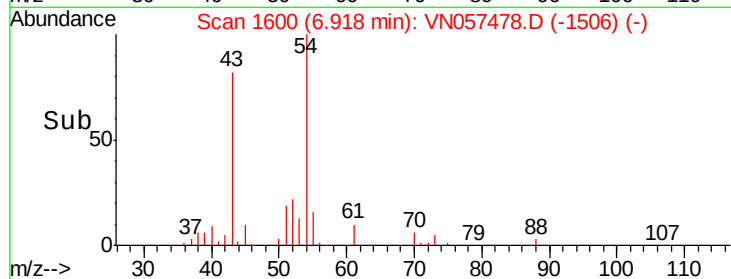
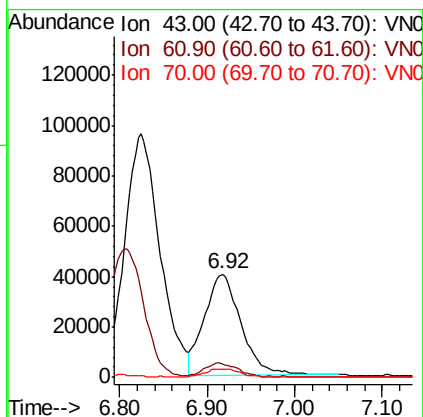
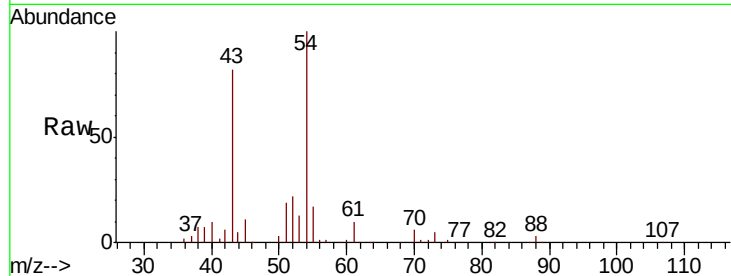




#37
Ethyl Acetate
Concen: 18.181 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

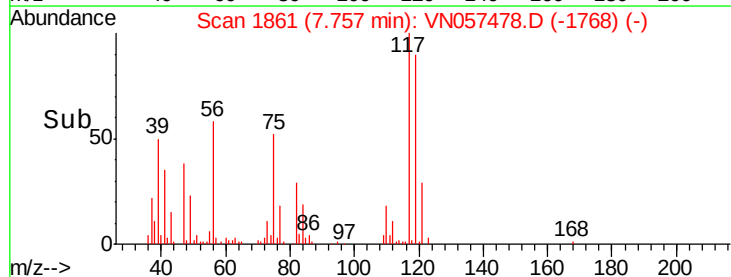
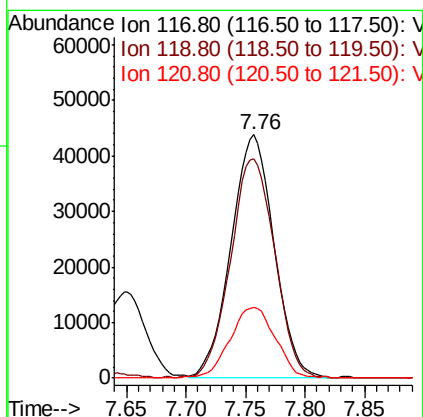
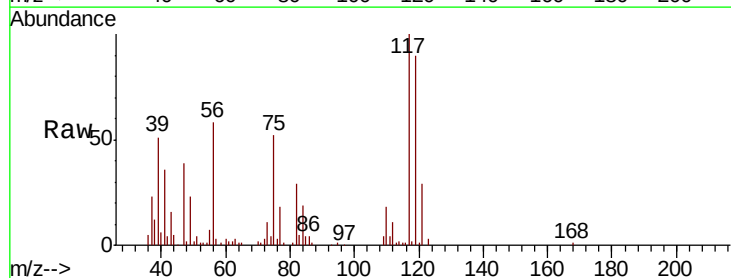
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

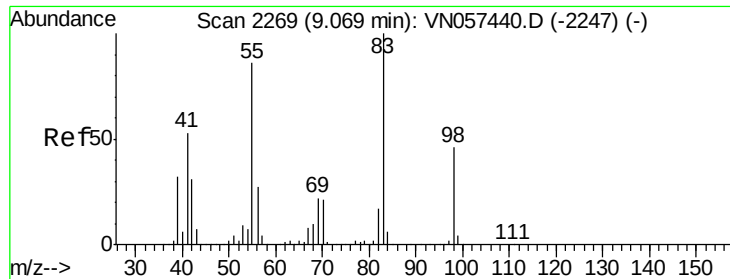
Tgt Ion: 43 Resp: 117954
Ion Ratio Lower Upper
43 100
61 12.1 9.9 14.9
70 8.1 7.0 10.6



#38
Carbon Tetrachloride
Concen: 16.740 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion: 117 Resp: 109189
Ion Ratio Lower Upper
117 100
119 90.3 76.2 114.4
121 29.0 23.8 35.6

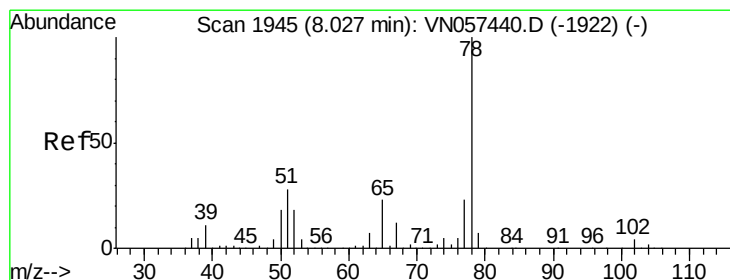
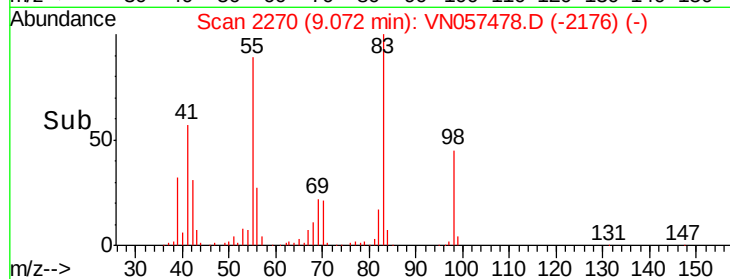
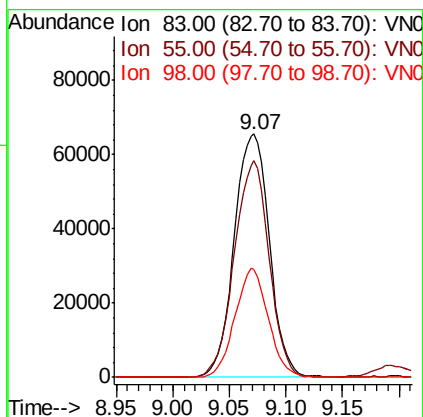
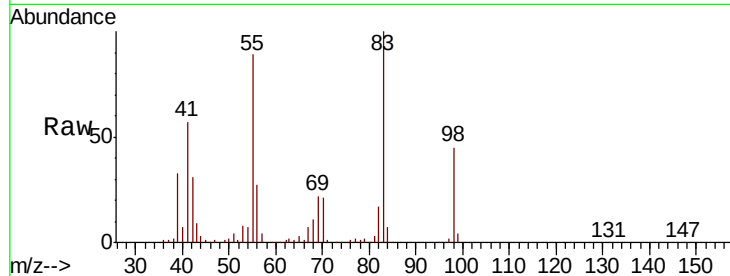




#39
Methylcyclohexane
Concen: 18.225 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

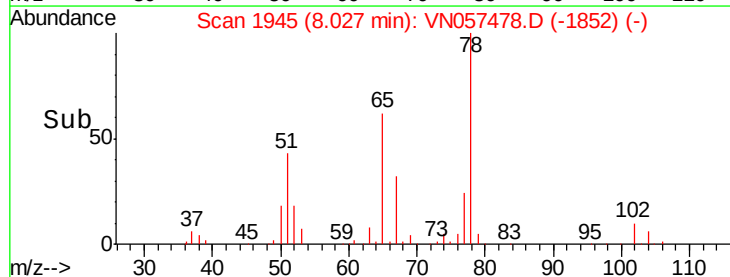
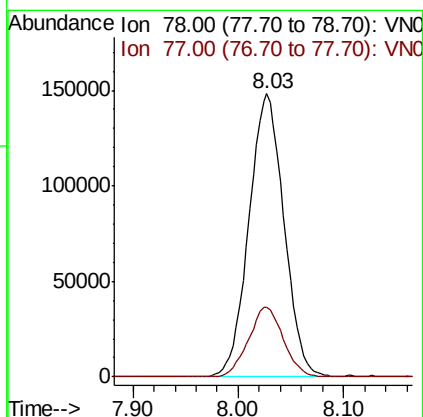
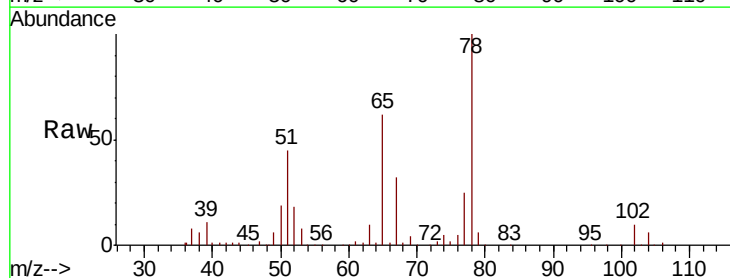
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

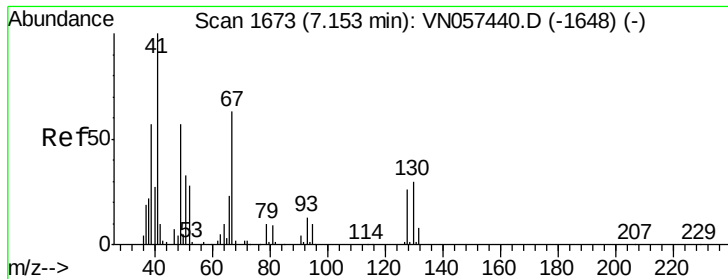
Tgt Ion: 83 Resp: 142112
Ion Ratio Lower Upper
83 100
55 88.8 68.6 102.8
98 44.5 36.6 54.8



#40
Benzene
Concen: 17.410 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion: 78 Resp: 343091
Ion Ratio Lower Upper
78 100
77 24.7 18.5 27.7





#41

Methacrylonitrile

Concen: 15.921 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

Tgt Ion: 41 Resp: 49254

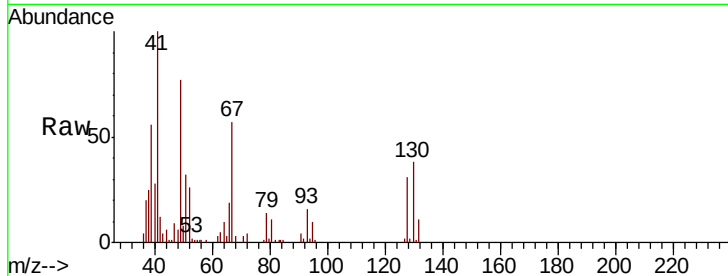
Ion Ratio Lower Upper

41 100

39 62.6 53.6 80.4

67 81.7 65.4 98.2

52 39.5 29.8 44.6

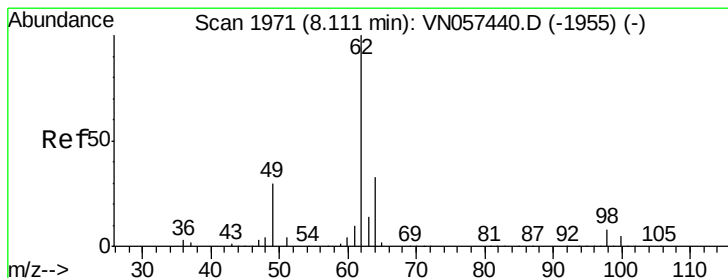
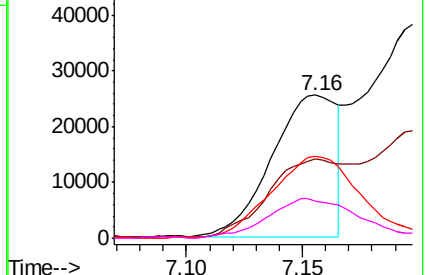
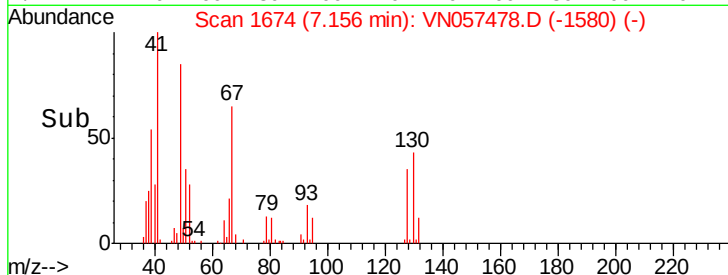


Abundance Ion 41.00 (40.70 to 41.70): VN0

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: 17.316 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057478.D

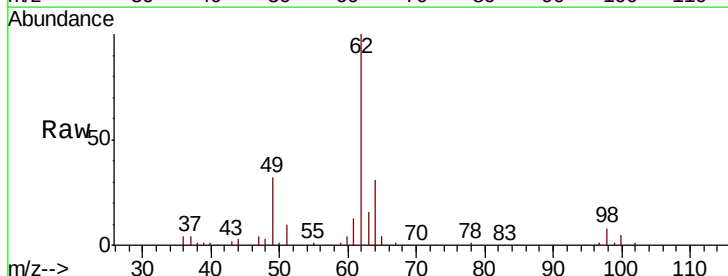
Acq: 23 Aug 2019 17:54

Tgt Ion: 62 Resp: 131384

Ion Ratio Lower Upper

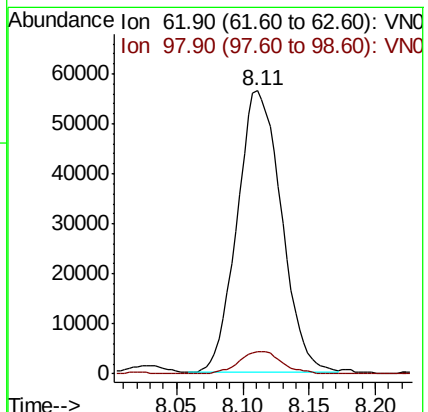
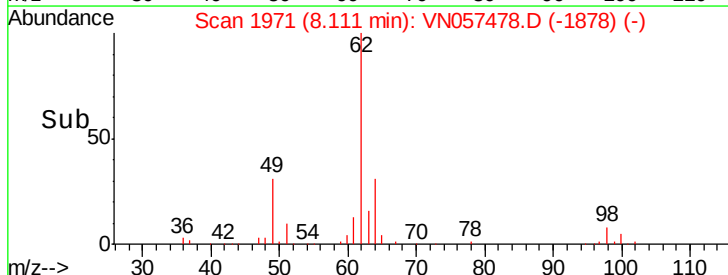
62 100

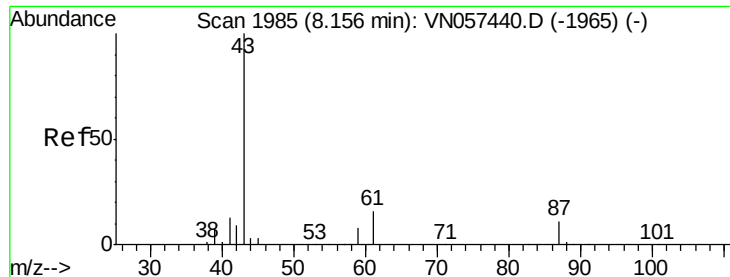
98 7.8 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.350 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

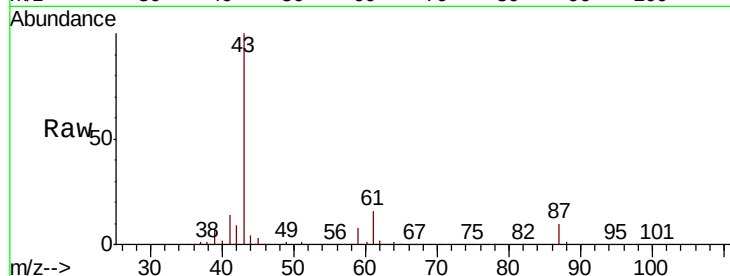
Tgt Ion: 43 Resp: 206399

Ion Ratio Lower Upper

43 100

61 16.6 14.5 21.7

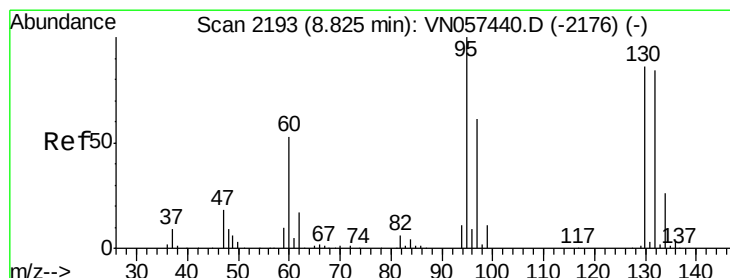
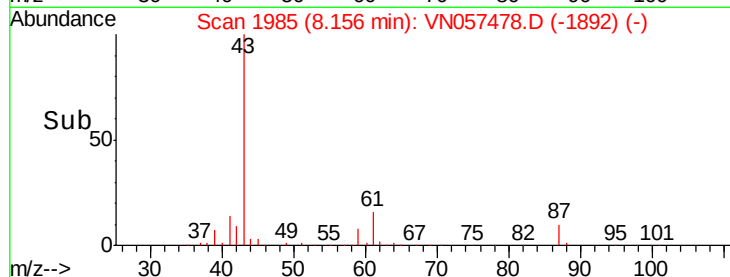
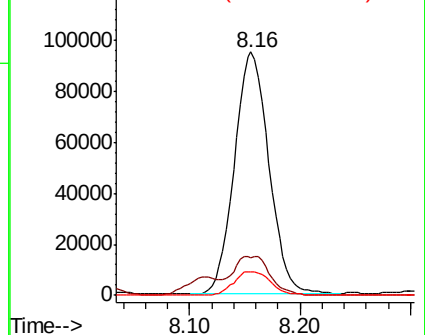
87 10.5 8.6 12.8



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: 18.152 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057478.D

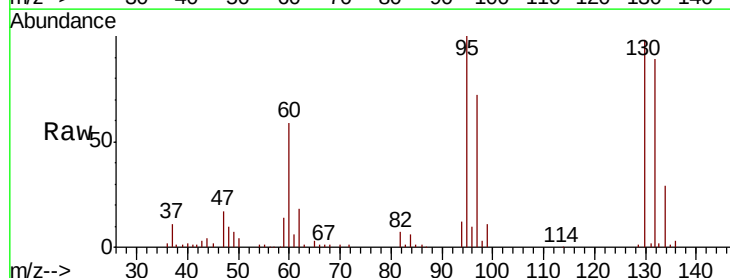
Acq: 23 Aug 2019 17:54

Tgt Ion: 130 Resp: 79847

Ion Ratio Lower Upper

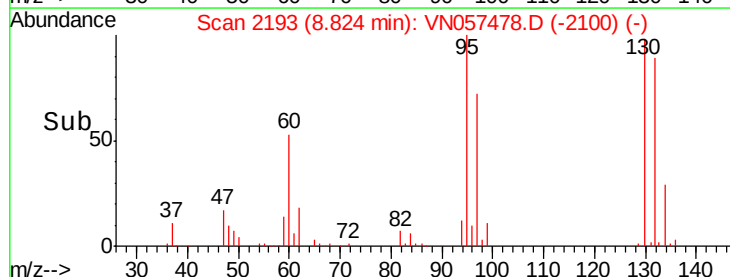
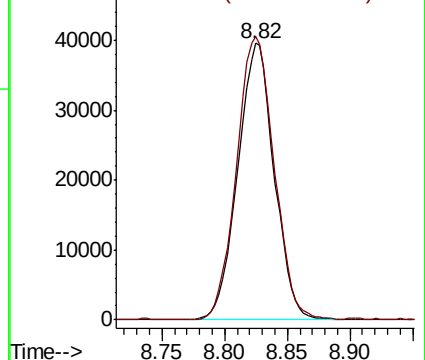
130 100

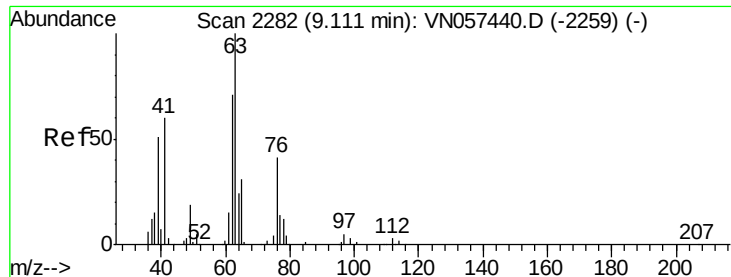
95 102.2 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

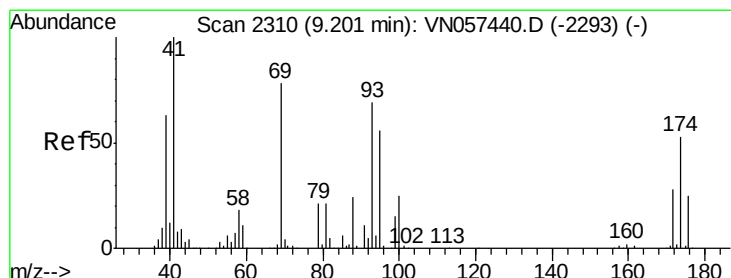
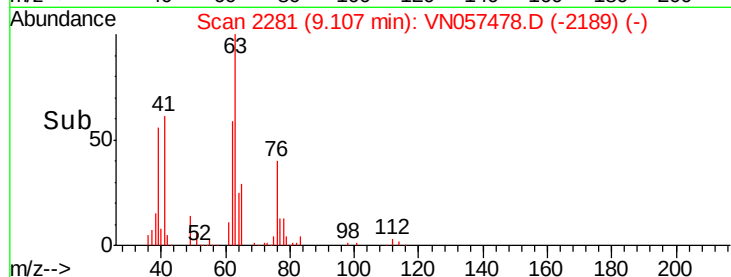
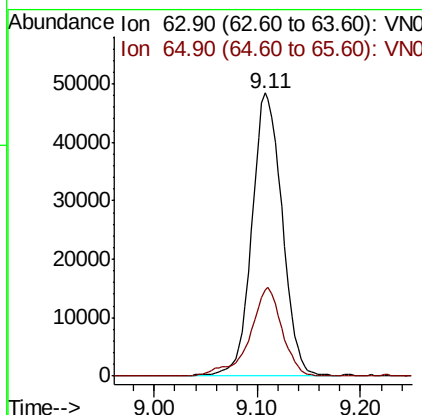
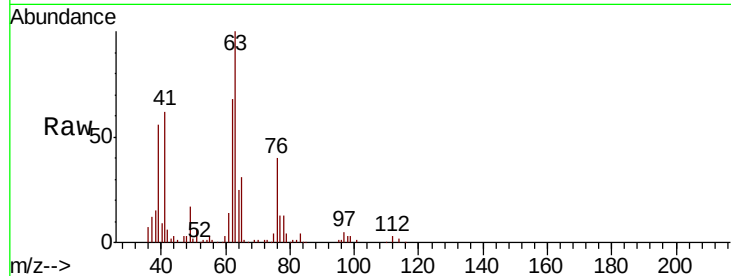




#45
 1,2-Dichloropropane
 Concen: 17.739 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

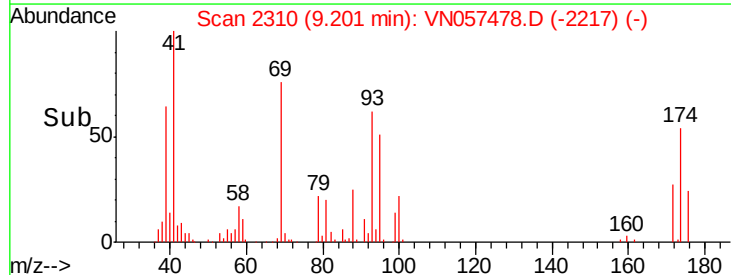
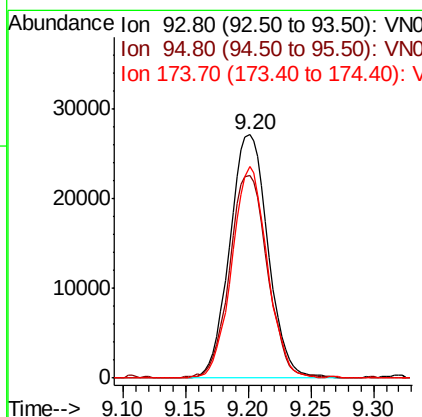
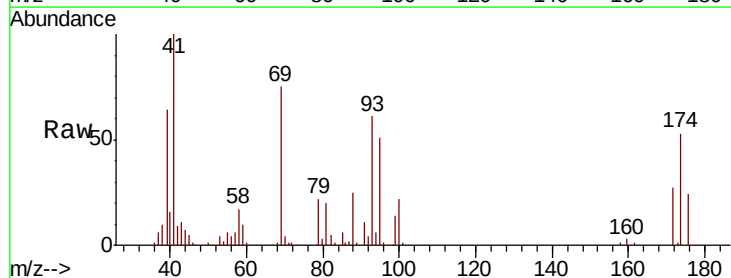
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

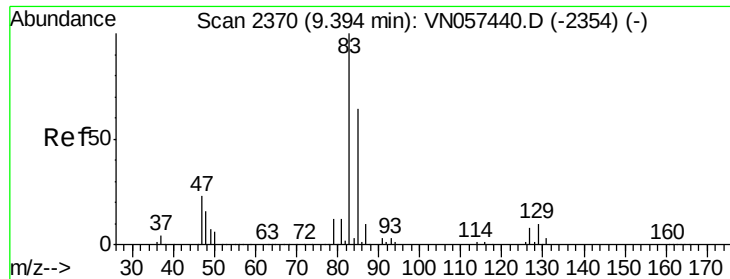
Tgt Ion: 63 Resp: 98450
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.7 37.1



#46
 Dibromomethane
 Concen: 17.463 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion: 93 Resp: 57604
 Ion Ratio Lower Upper
 93 100
 95 82.5 64.7 97.1
 174 80.5 62.3 93.5





#47

Bromodichloromethane

Concen: 16.676 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

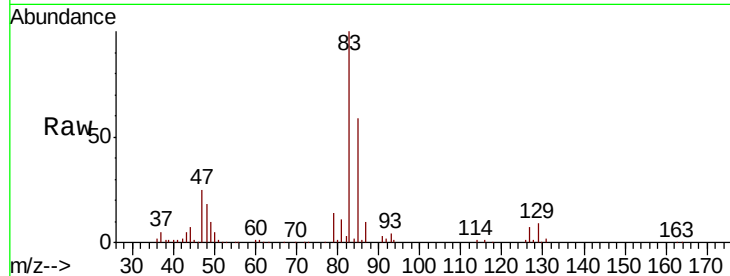
Tgt Ion: 83 Resp: 122101

Ion Ratio Lower Upper

83 100

85 59.2 51.2 76.8

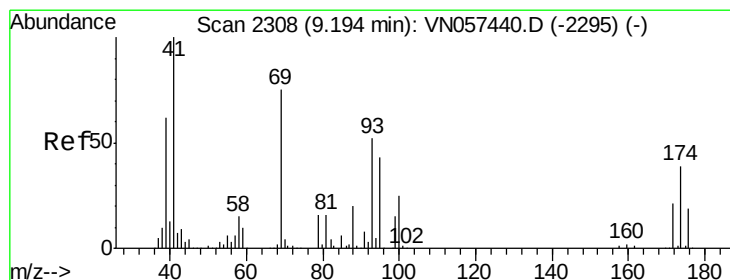
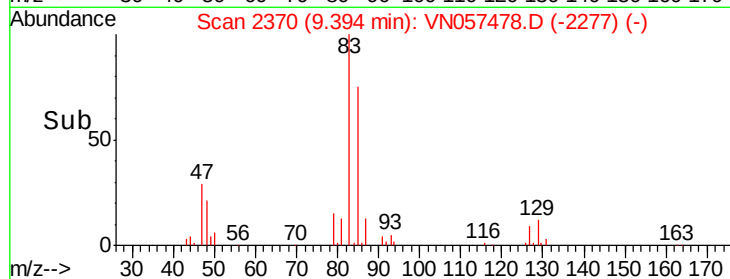
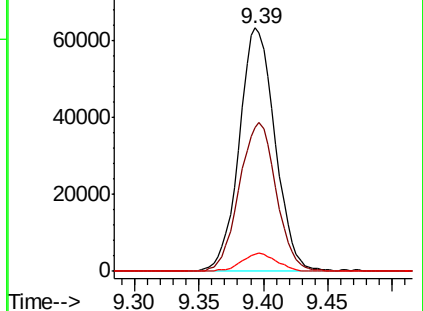
127 7.1 6.6 10.0



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): VN0



#48

Methyl methacrylate

Concen: 17.595 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

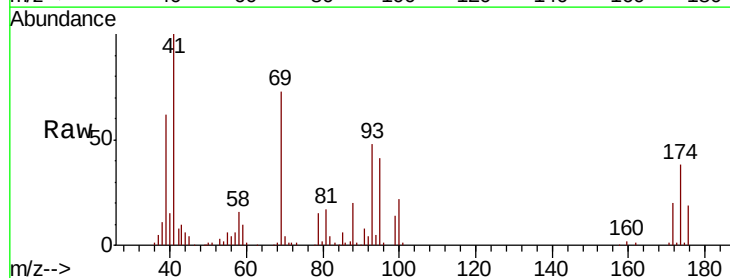
Tgt Ion: 41 Resp: 99532

Ion Ratio Lower Upper

41 100

69 72.2 59.3 88.9

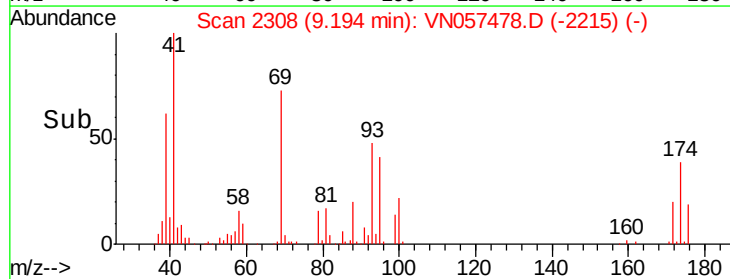
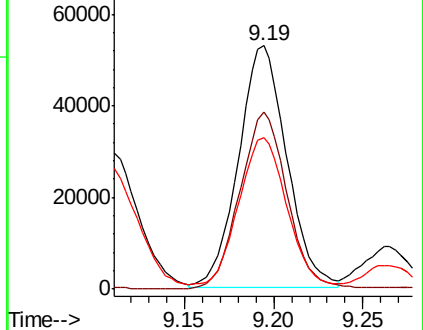
39 62.1 50.6 75.8

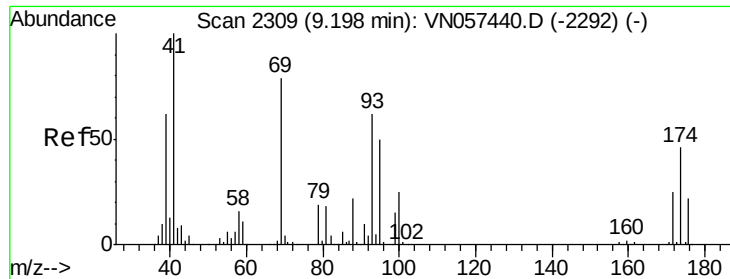


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 339.192 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0824WBSD01

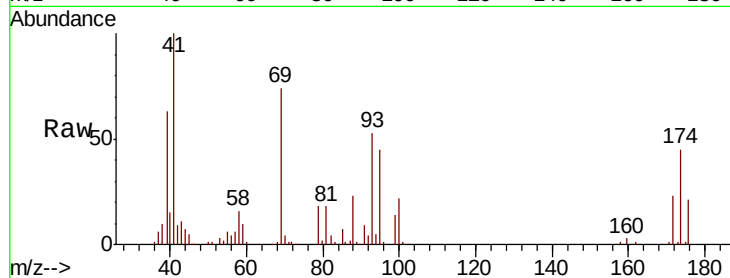
Tgt Ion: 88 Resp: 24812

Ion Ratio Lower Upper

88 100

43 39.0 31.0 46.6

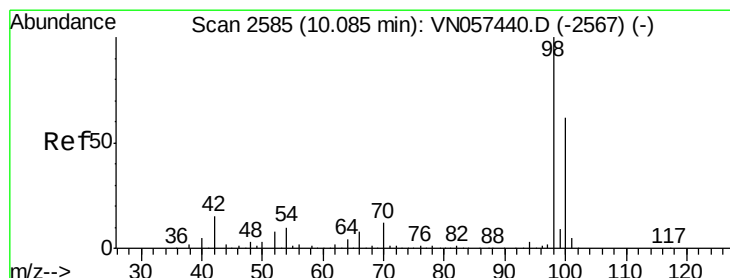
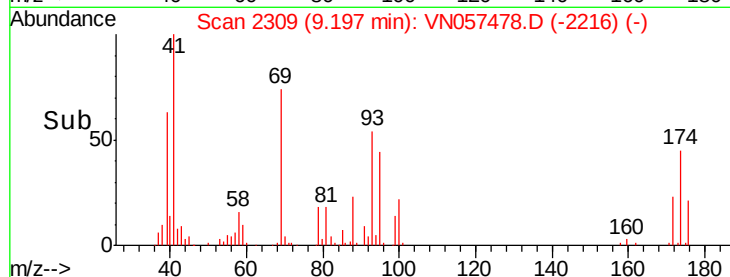
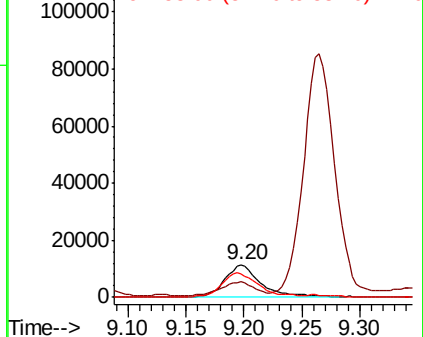
58 77.3 64.5 96.7



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: 49.193 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057478.D

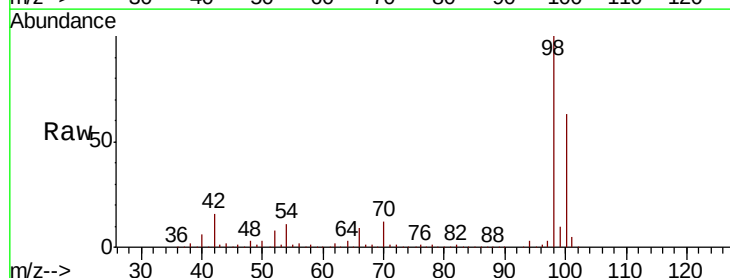
Acq: 23 Aug 2019 17:54

Tgt Ion: 98 Resp: 807316

Ion Ratio Lower Upper

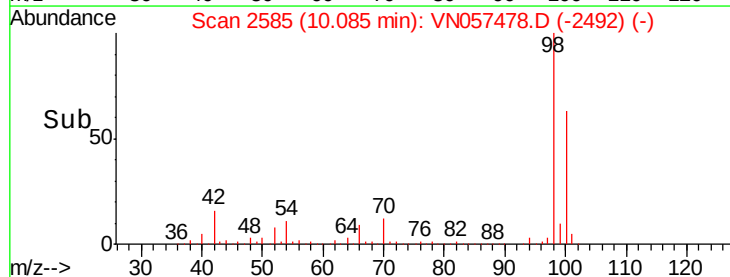
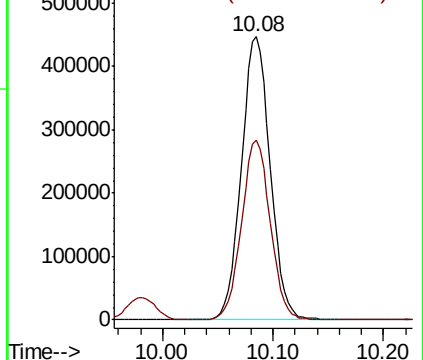
98 100

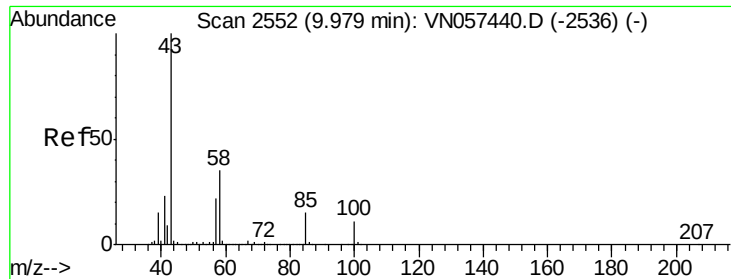
100 63.0 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

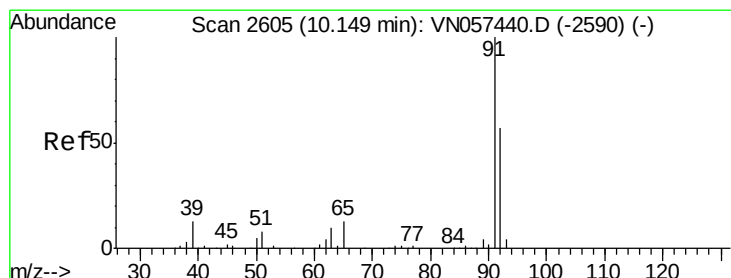
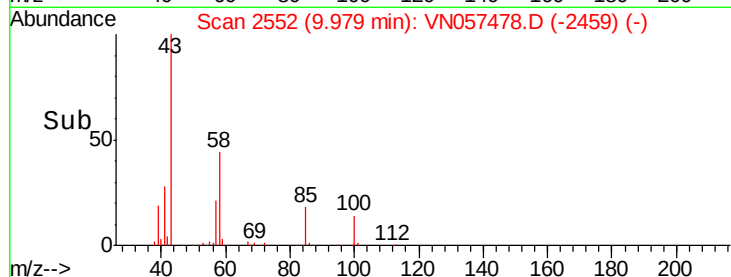
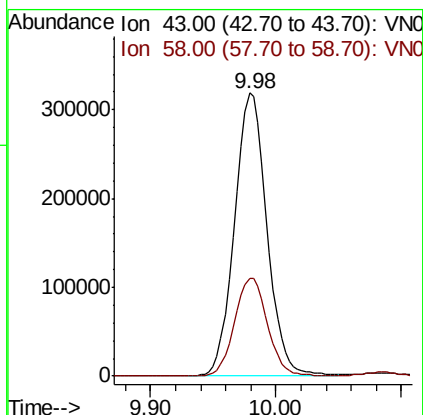
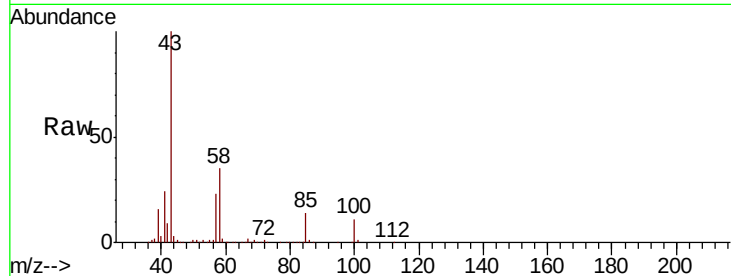




#51
 4-Methyl-2-Pentanone
 Concen: 86.019 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

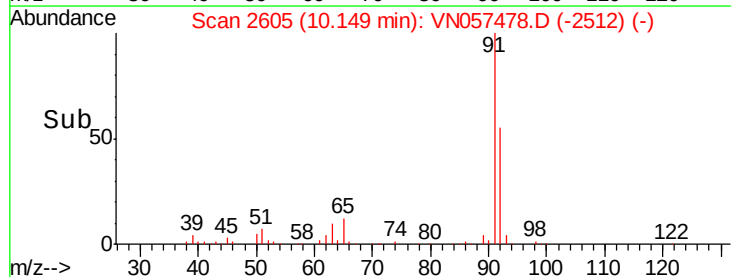
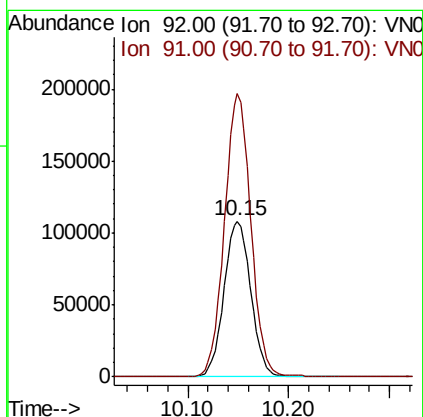
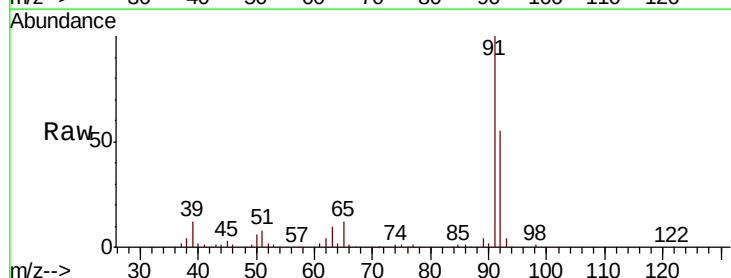
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

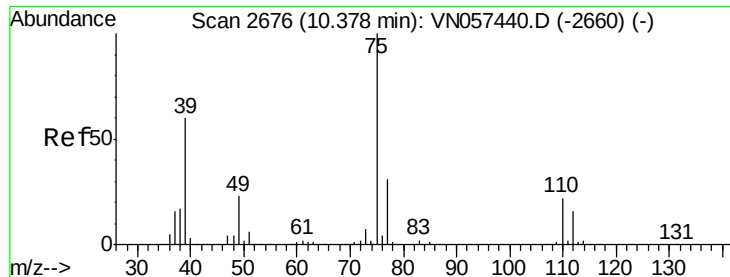
Tgt Ion: 43 Resp: 570293
 Ion Ratio Lower Upper
 43 100
 58 35.2 27.9 41.9



#52
 Toluene
 Concen: 17.764 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion: 92 Resp: 201760
 Ion Ratio Lower Upper
 92 100
 91 178.2 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 16.167 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

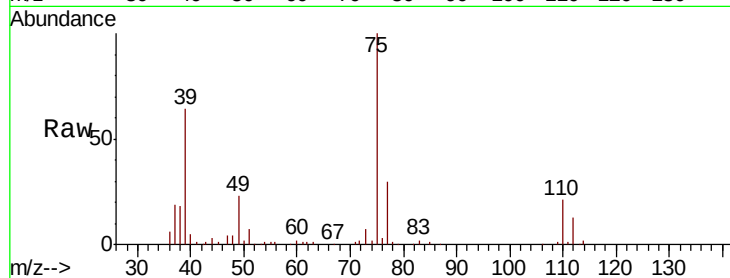
VN0824WBSD01

Tgt Ion: 75 Resp: 123991

Ion Ratio Lower Upper

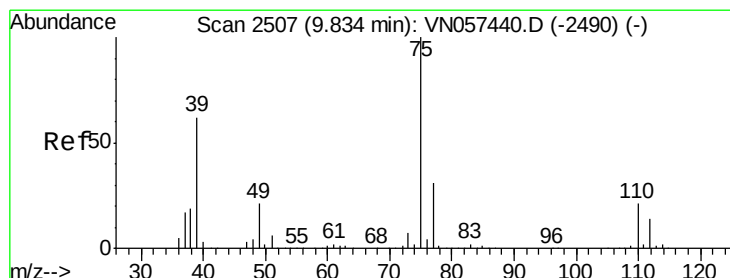
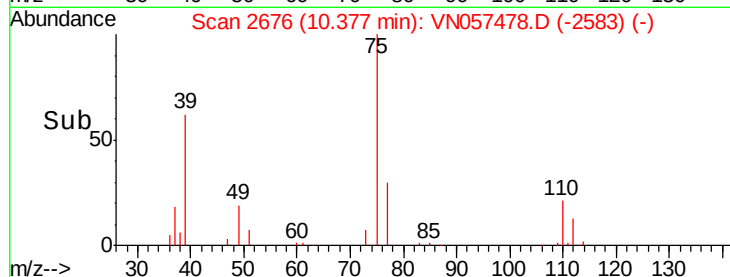
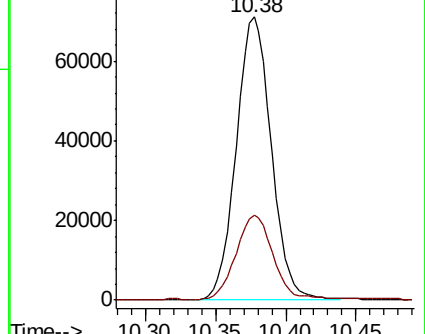
75 100

77 29.6 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: 16.229 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

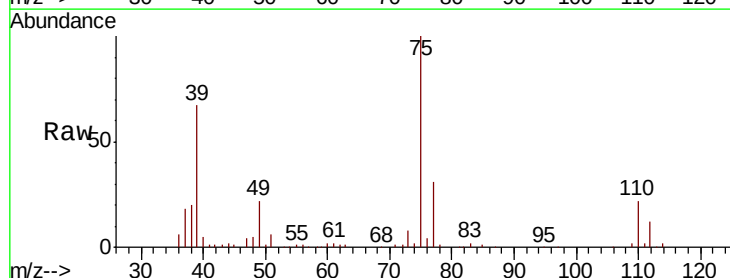
Tgt Ion: 75 Resp: 138581

Ion Ratio Lower Upper

75 100

77 30.7 25.0 37.6

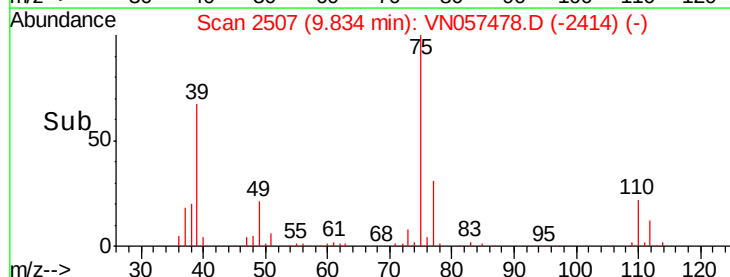
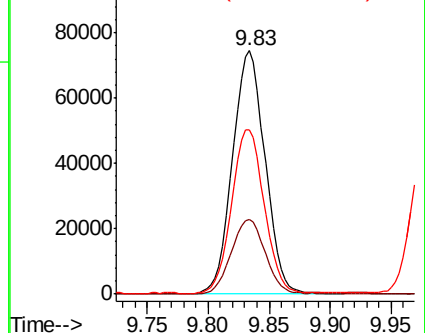
39 67.2 49.2 73.8

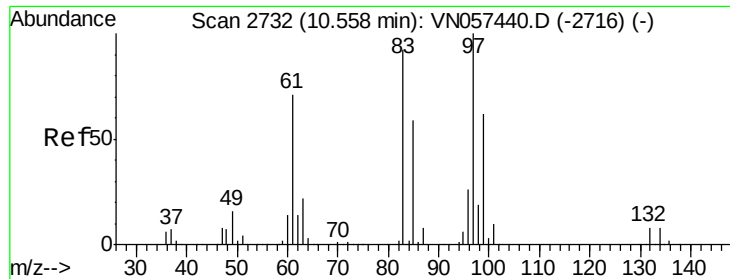


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

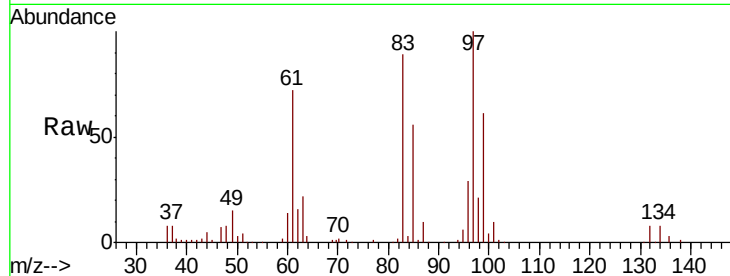




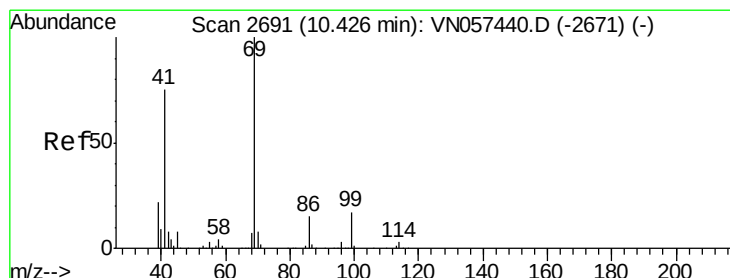
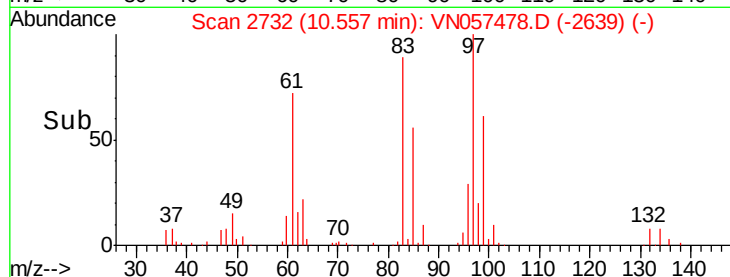
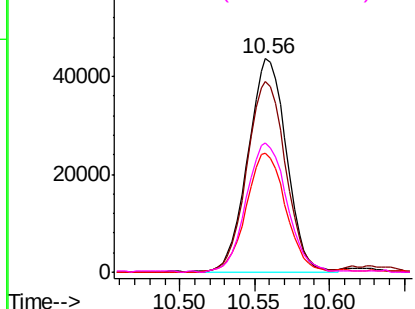
#55
 1,1,2-Trichloroethane
 Concen: 17.079 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion: 97 Resp: 78445
 Ion Ratio Lower Upper
 97 100
 83 89.0 73.7 110.5
 85 56.0 46.8 70.2
 99 60.3 49.8 74.8

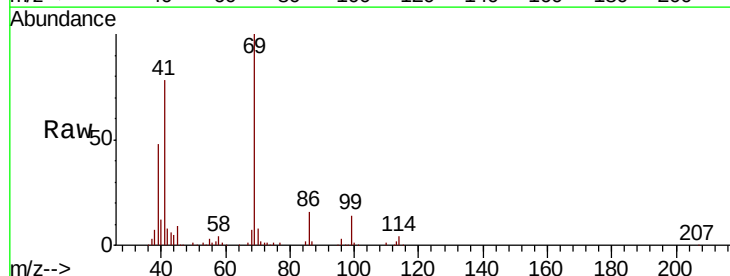


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

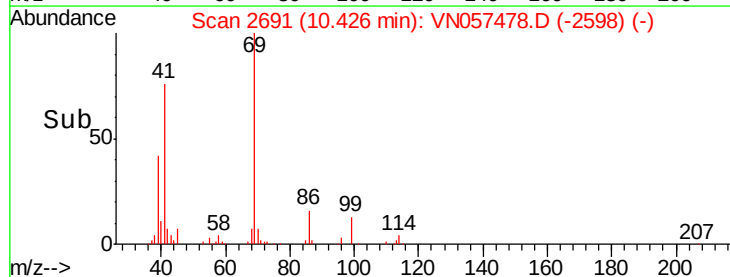
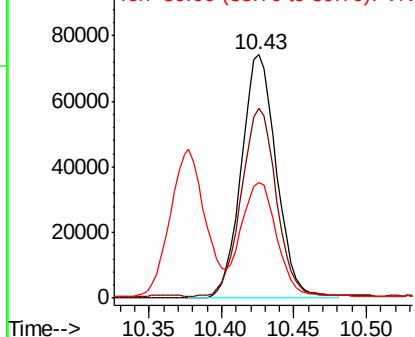


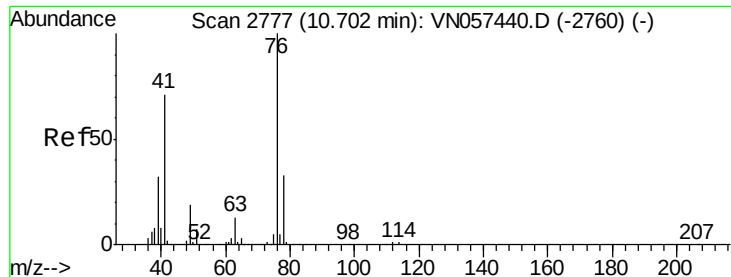
#56
 Ethyl methacrylate
 Concen: 17.292 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion: 69 Resp: 124938
 Ion Ratio Lower Upper
 69 100
 41 77.3 60.8 91.2
 39 46.8 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

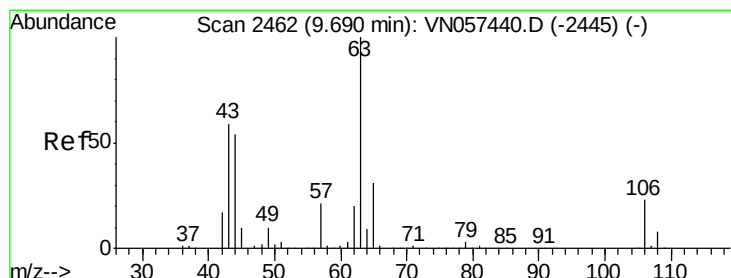
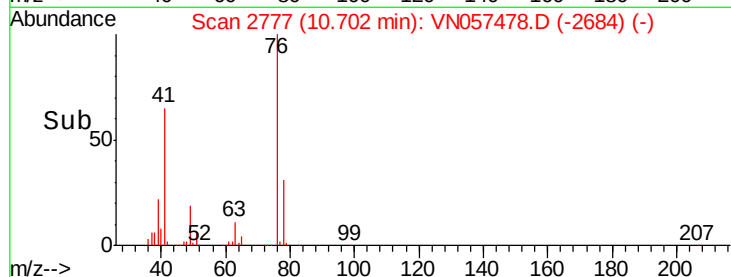
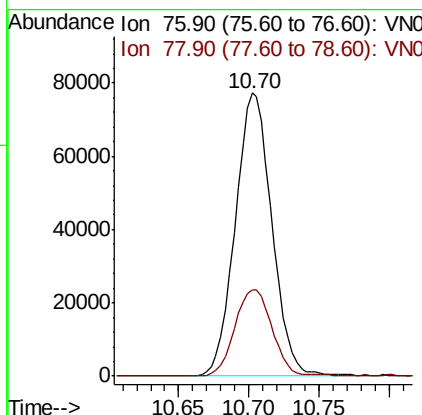
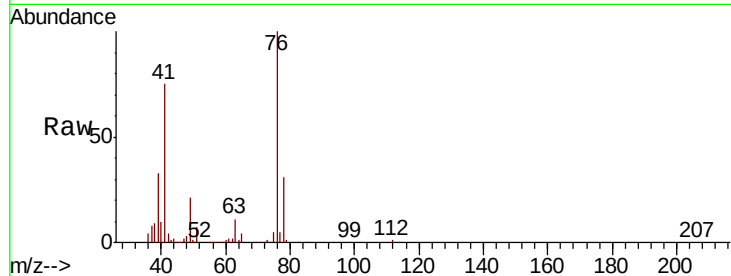




#57
 1,3-Dichloropropane
 Concen: 17.560 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

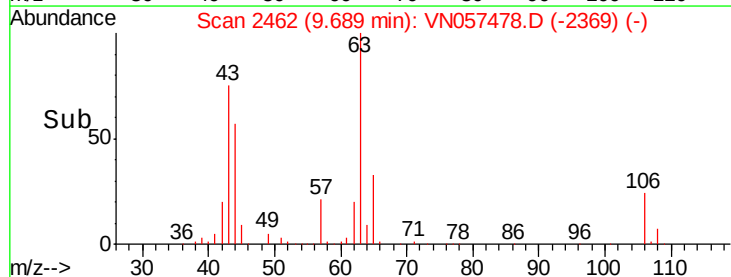
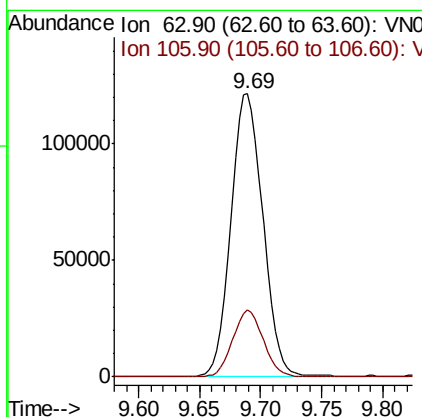
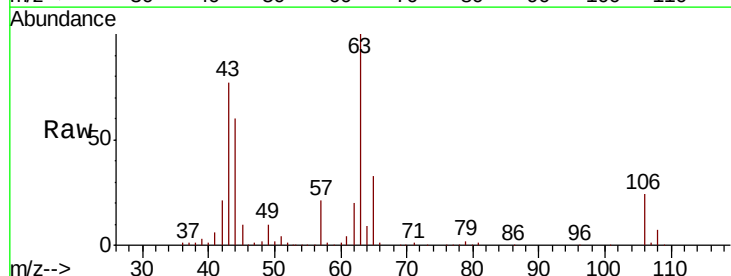
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

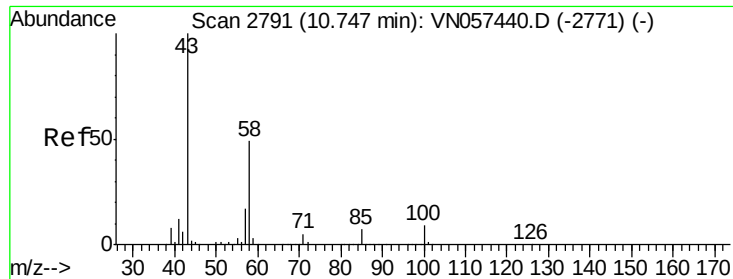
Tgt Ion: 76 Resp: 140373
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.802 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion: 63 Resp: 221882
 Ion Ratio Lower Upper
 63 100
 106 22.5 18.6 27.8

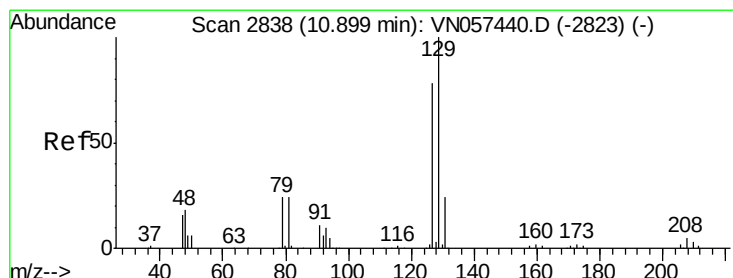
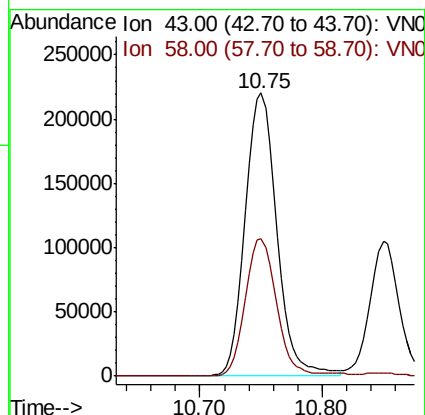
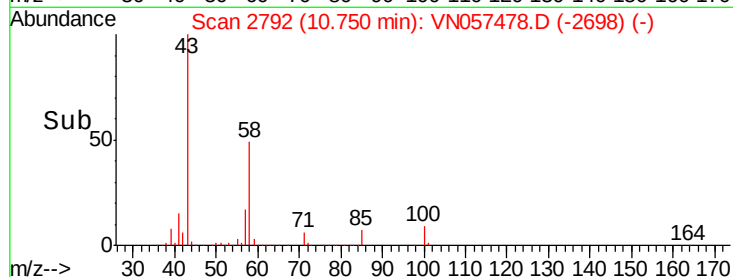
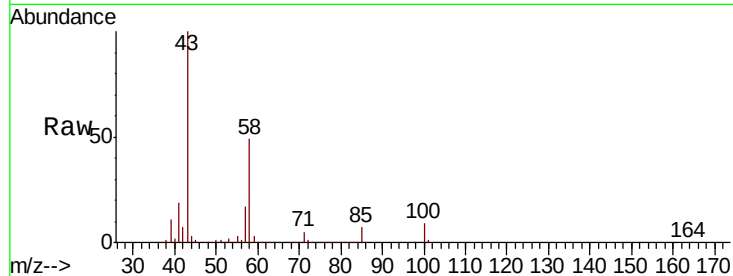




#59
2-Hexanone
Concen: 86.219 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

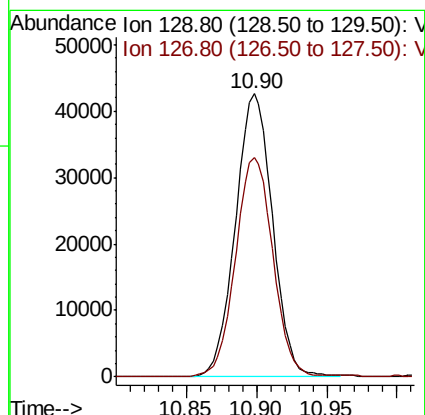
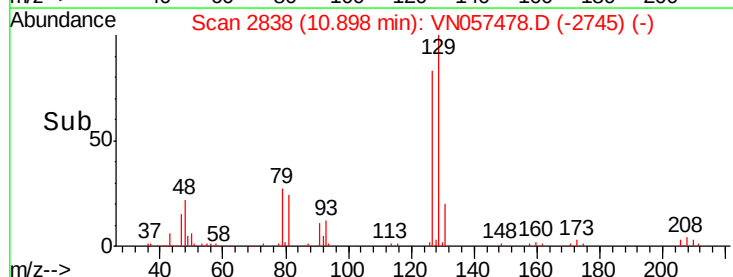
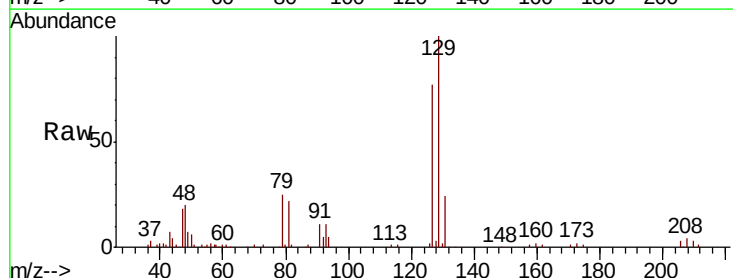
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

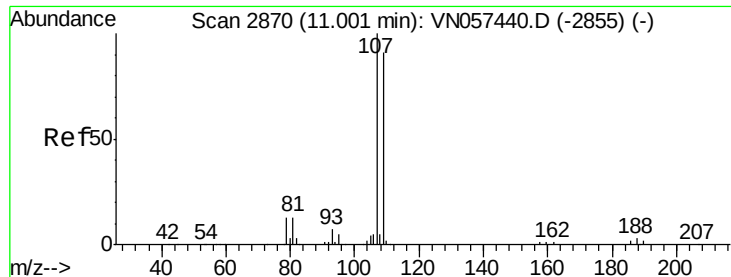
Tgt Ion: 43 Resp: 392065
Ion Ratio Lower Upper
43 100
58 48.9 24.6 73.6



#60
Dibromochloromethane
Concen: 16.175 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion: 129 Resp: 78511
Ion Ratio Lower Upper
129 100
127 78.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 16.636 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

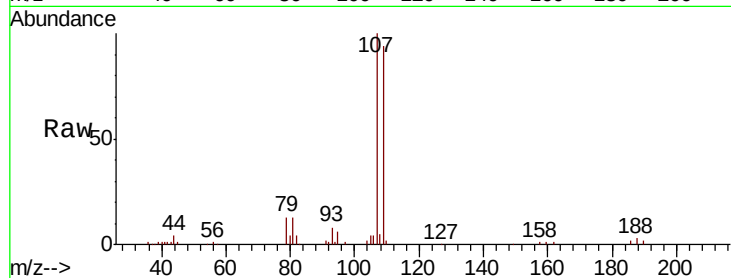
VN0824WBSD01

Tgt Ion: 107 Resp: 74943

Ion Ratio Lower Upper

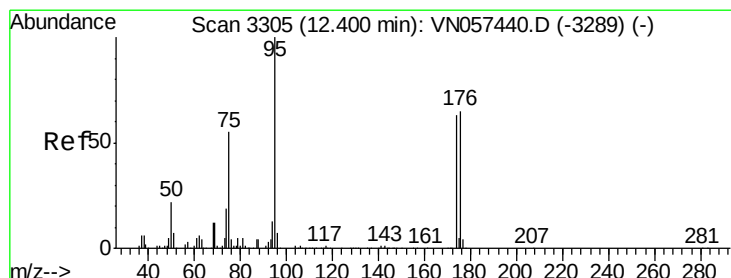
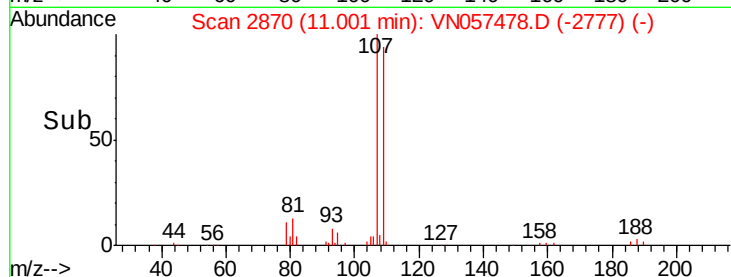
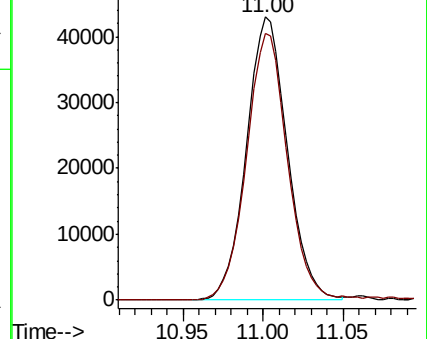
107 100

109 94.8 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 43.870 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

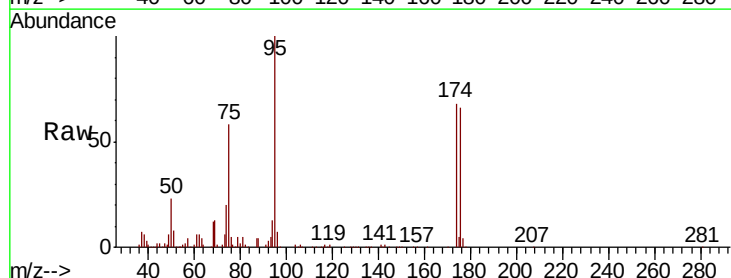
Tgt Ion: 95 Resp: 243982

Ion Ratio Lower Upper

95 100

174 69.2 0.0 133.0

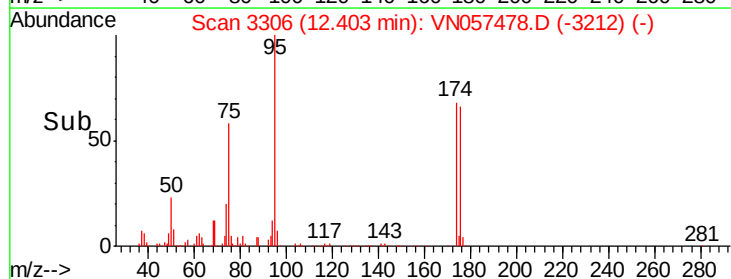
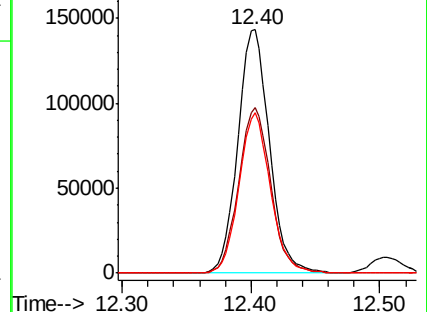
176 65.6 0.0 130.8

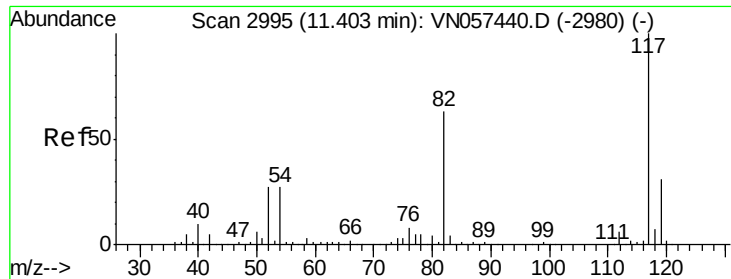


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

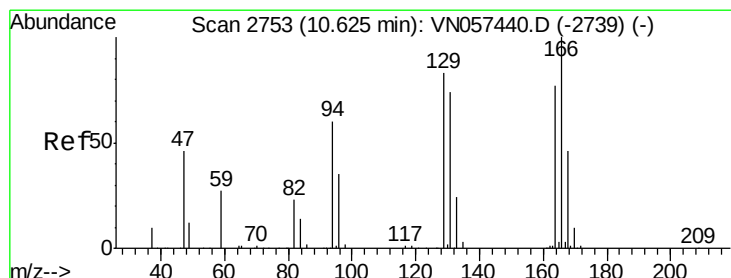
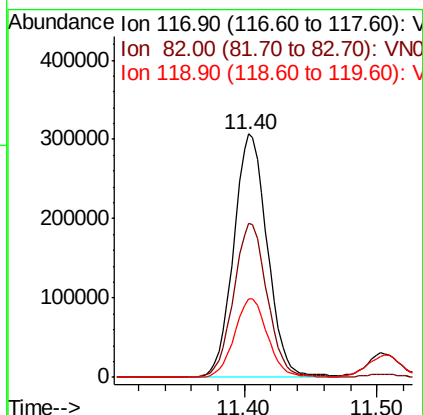
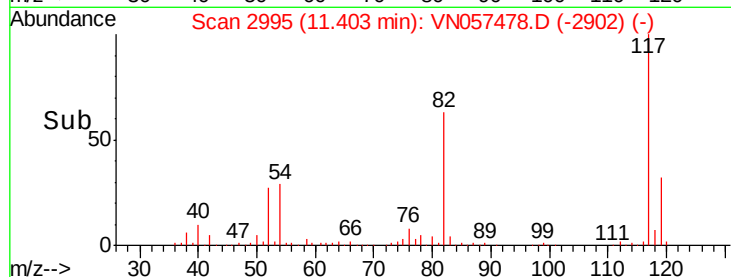
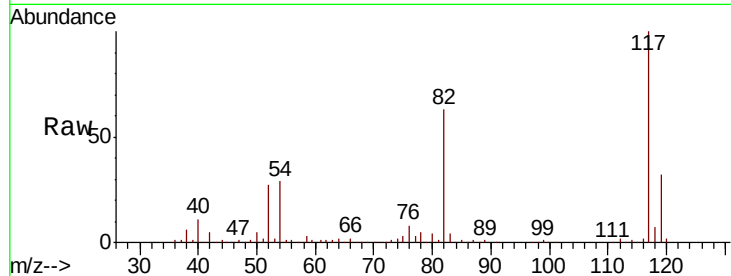




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

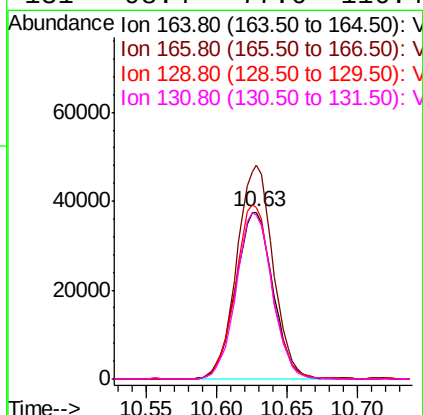
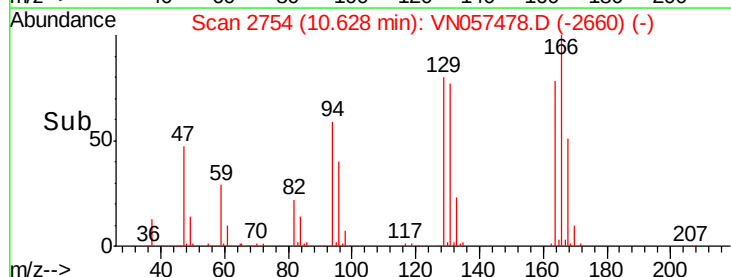
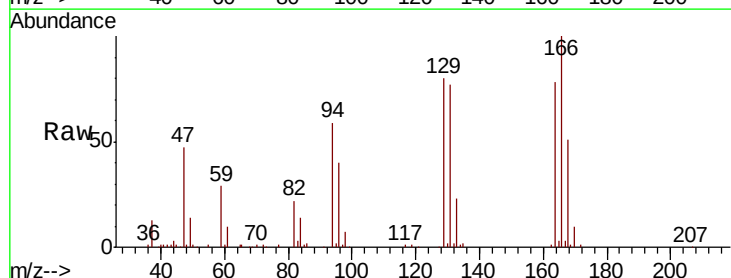
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

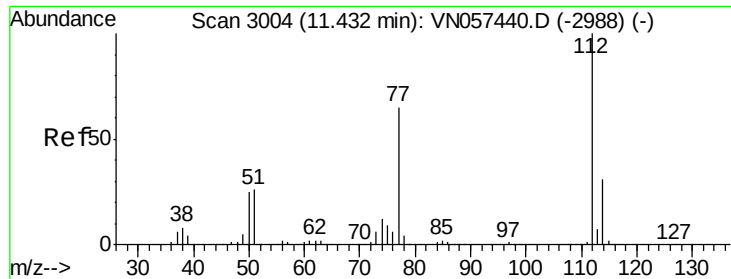
Tgt Ion:117 Resp: 541294
Ion Ratio Lower Upper
117 100
82 63.3 50.6 75.8
119 32.1 24.6 36.8



#64
Tetrachloroethene
Concen: 18.393 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion:164 Resp: 69653
Ion Ratio Lower Upper
164 100
166 128.3 104.4 156.6
129 103.1 86.6 130.0
131 98.4 77.6 116.4

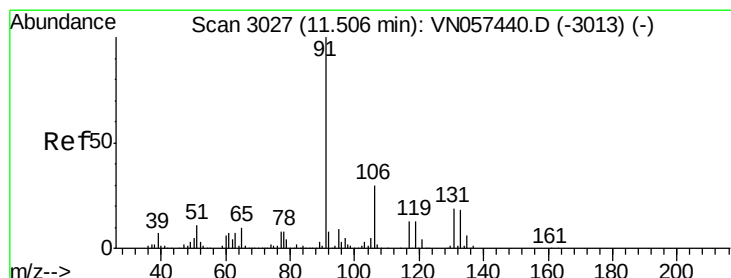
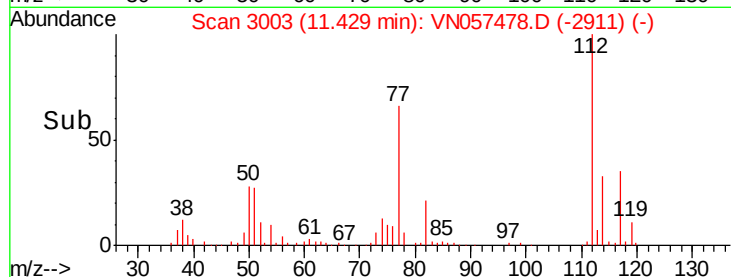
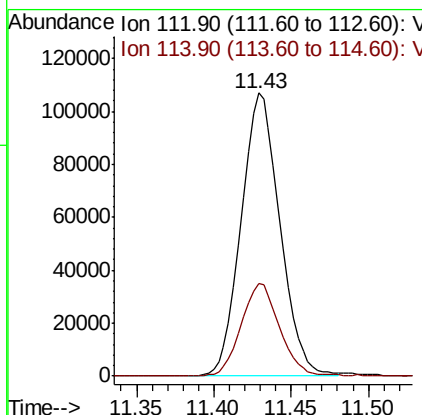
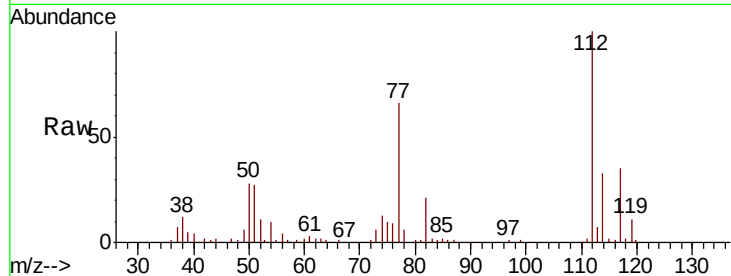




#65
Chlorobenzene
Concen: 17.078 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

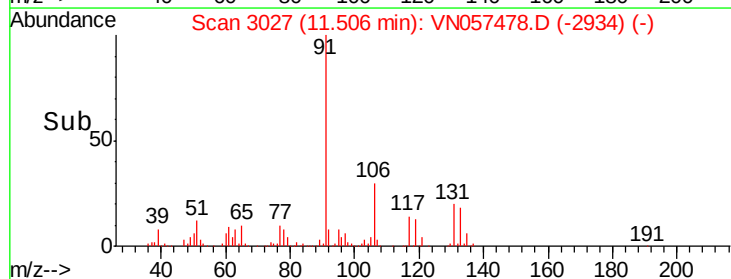
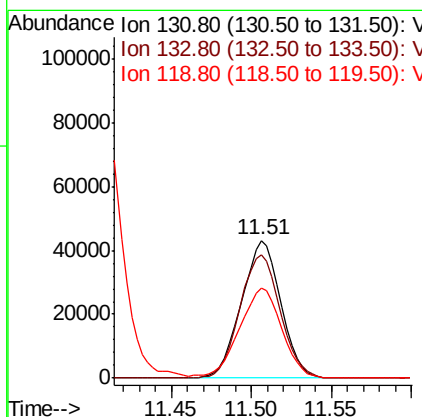
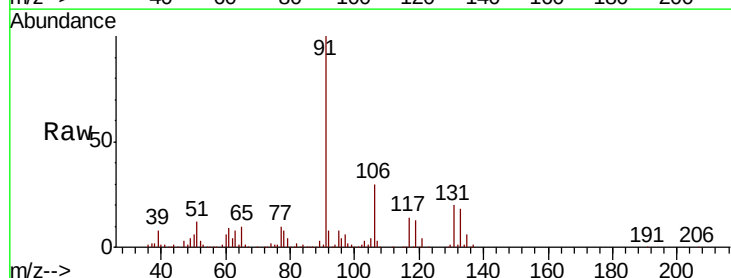
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

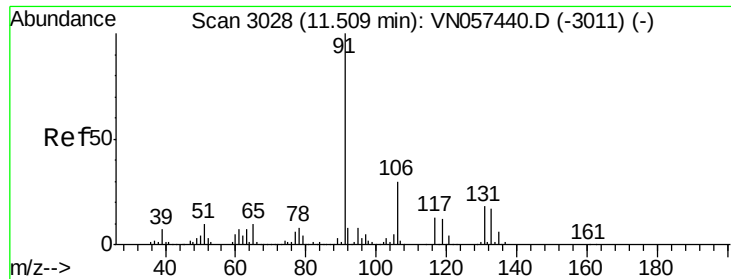
Tgt Ion:112 Resp: 186871
Ion Ratio Lower Upper
112 100
114 32.8 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 17.308 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion:131 Resp: 72631
Ion Ratio Lower Upper
131 100
133 92.0 47.6 142.8
119 70.4 34.4 103.2





#67

Ethyl Benzene

Concen: 17.349 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

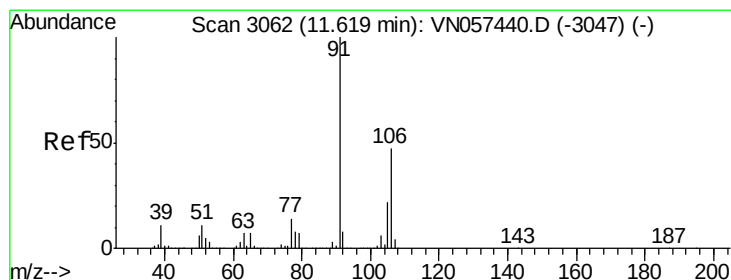
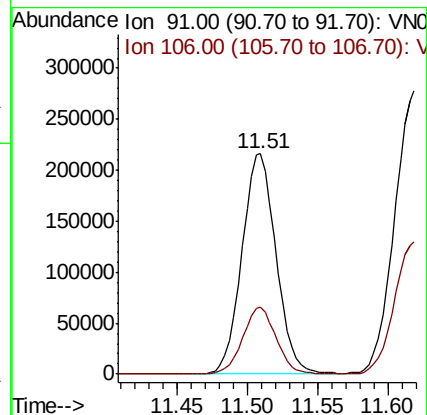
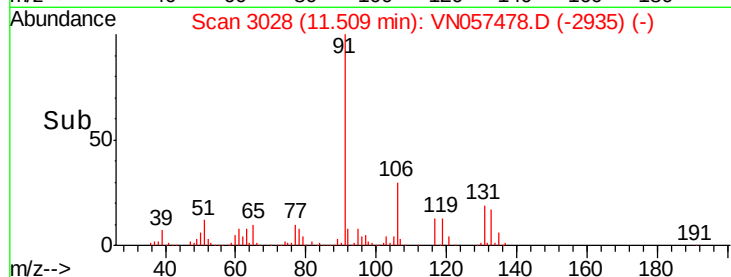
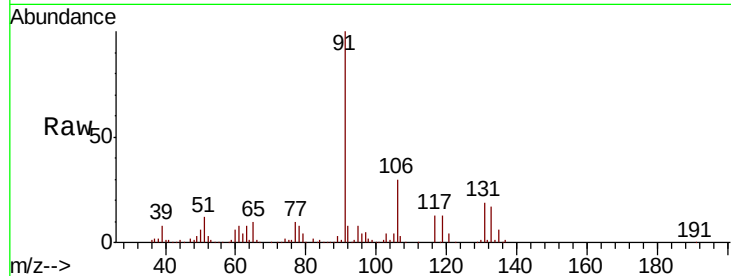
VN0824WBSD01

Tgt Ion: 91 Resp: 367441

Ion Ratio Lower Upper

91 100

106 30.4 24.1 36.1



#68

m/p-Xylenes

Concen: 36.183 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057478.D

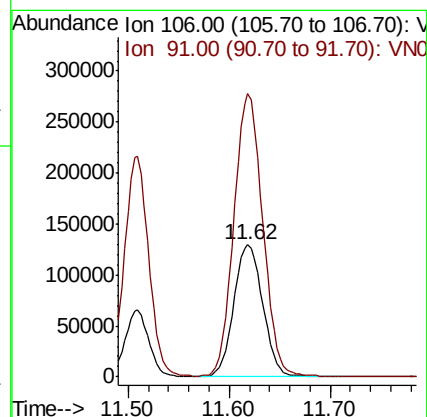
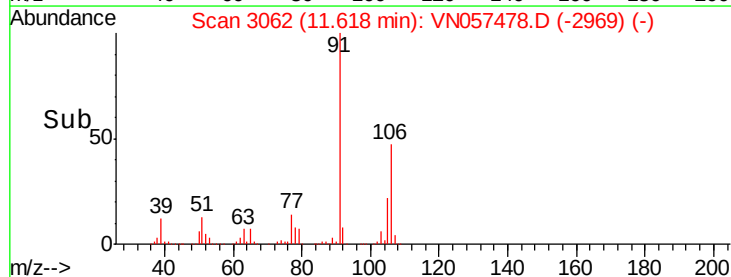
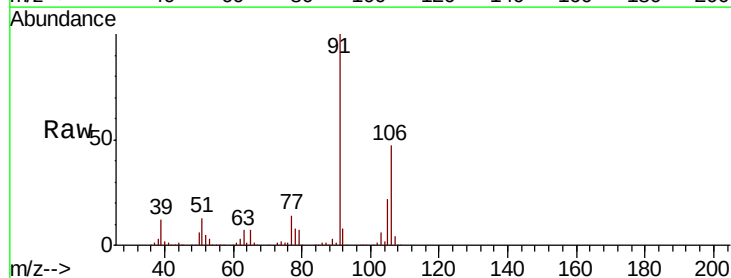
Acq: 23 Aug 2019 17:54

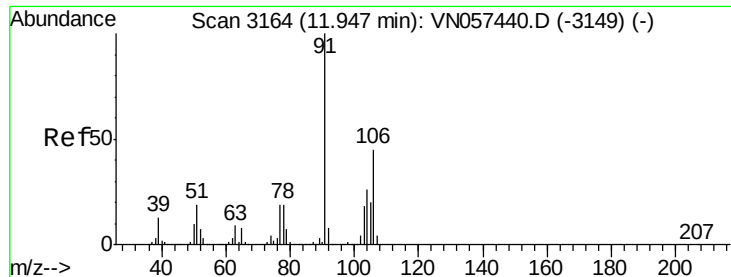
Tgt Ion: 106 Resp: 260615

Ion Ratio Lower Upper

106 100

91 212.5 171.8 257.6

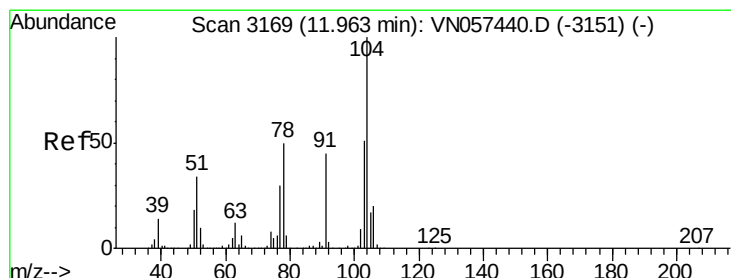
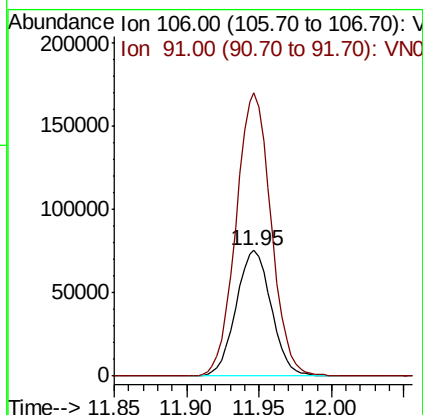
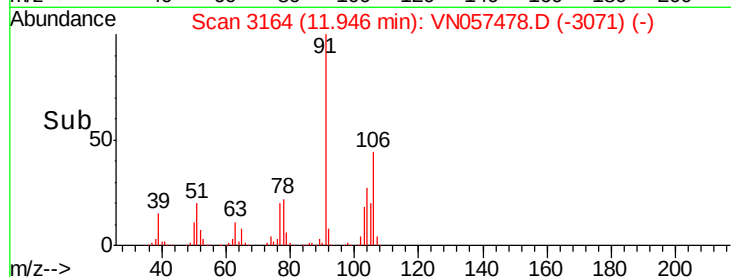
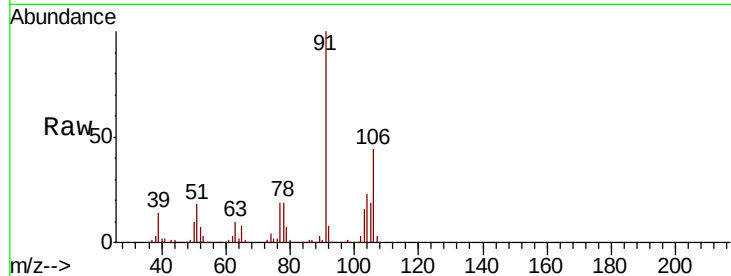




#69
o-Xylene
Concen: 17.917 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

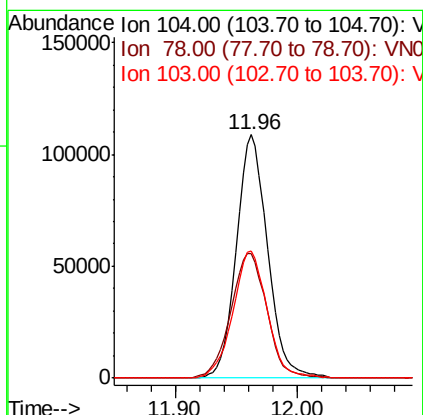
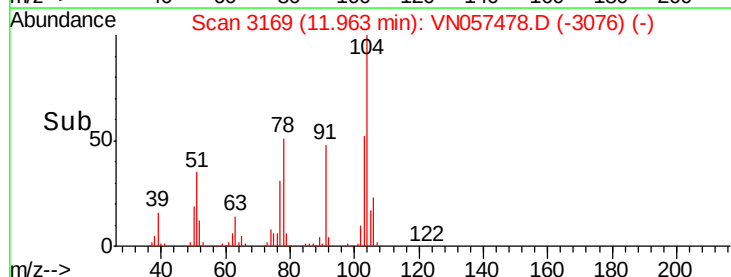
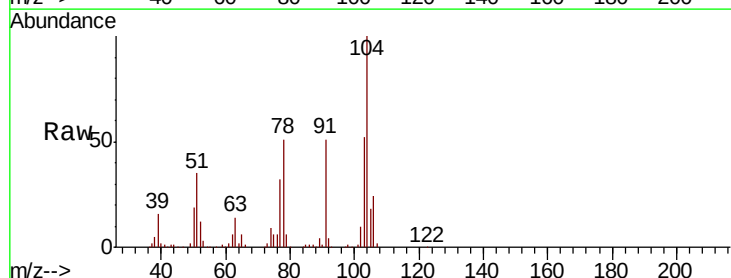
Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

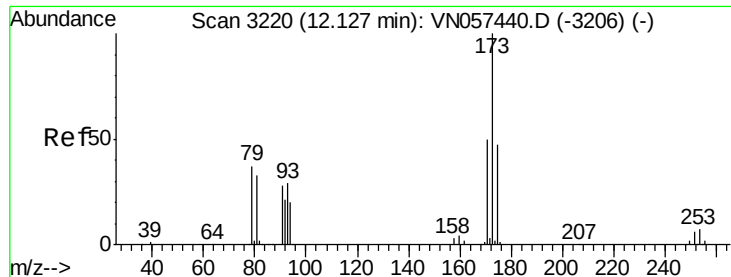
Tgt Ion:106 Resp: 127841
Ion Ratio Lower Upper
106 100
91 223.6 112.3 336.9



#70
Styrene
Concen: 17.109 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion:104 Resp: 193294
Ion Ratio Lower Upper
104 100
78 59.1 44.7 67.1
103 57.3 44.4 66.6





#71

Bromoform

Concen: 15.297 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

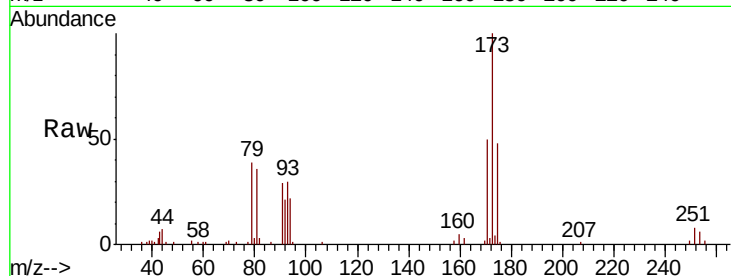
Tgt Ion:173 Resp: 43393

Ion Ratio Lower Upper

173 100

175 46.2 23.9 71.8

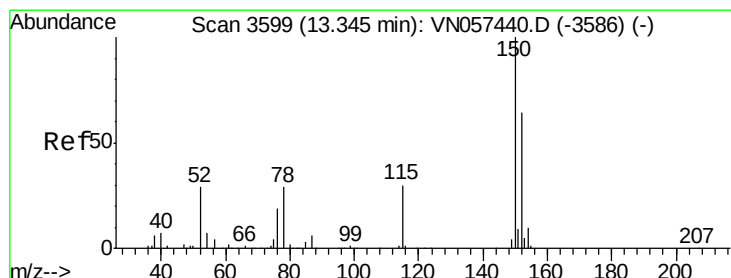
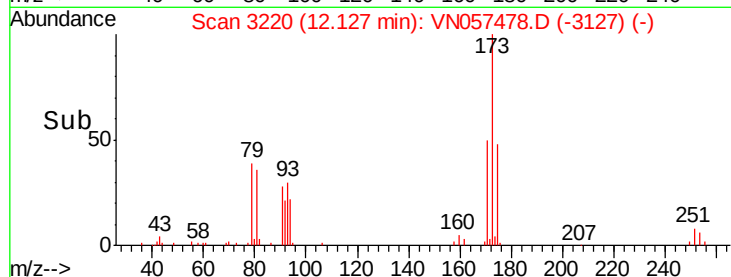
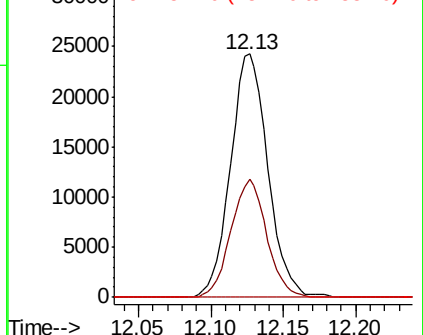
254 0.0 0.1 0.1#



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: VN057478.D

Acq: 23 Aug 2019 17:54

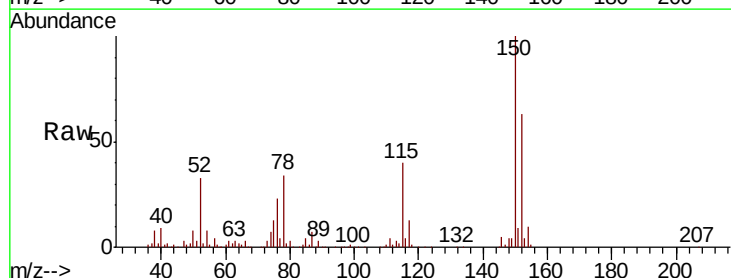
Tgt Ion:152 Resp: 175470

Ion Ratio Lower Upper

152 100

115 63.4 32.0 96.0

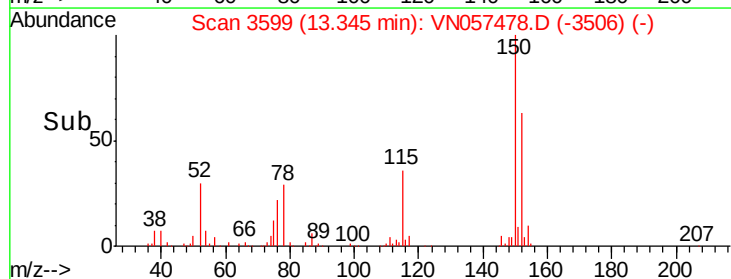
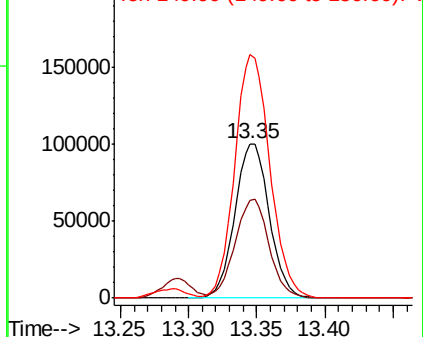
150 161.4 0.0 346.6

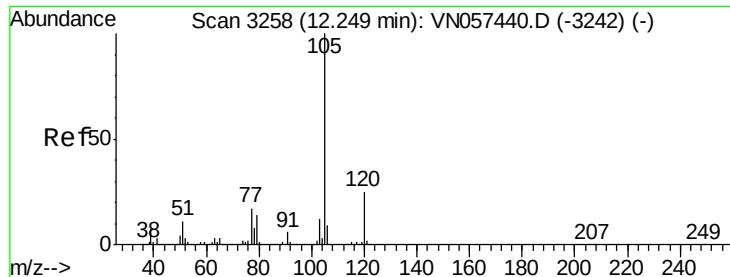


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.997 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

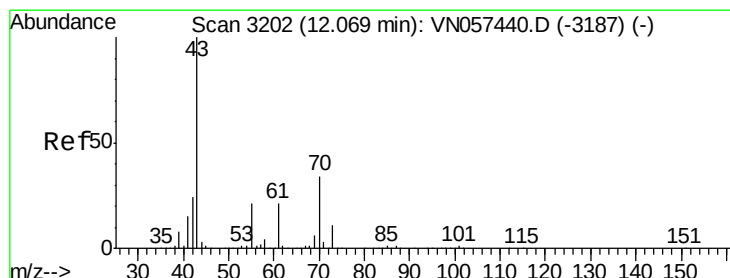
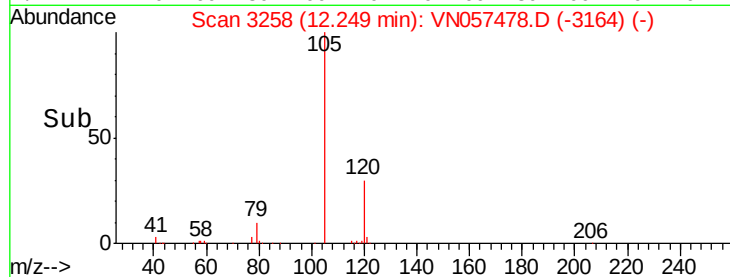
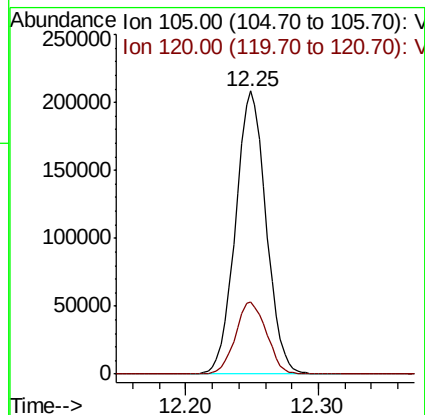
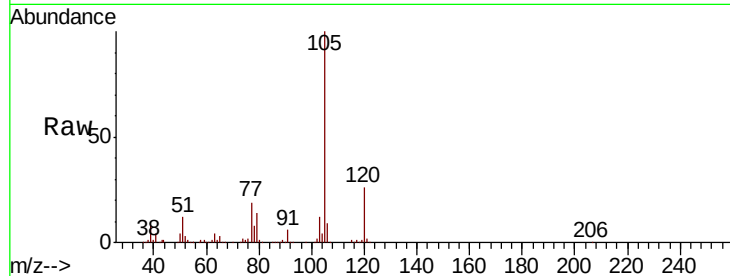
VN0824WBSD01

Tgt Ion: 105 Resp: 333950

Ion Ratio Lower Upper

105 100

120 25.8 12.7 38.0



#74

N-ethyl acetate

Concen: 18.882 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Tgt Ion: 43 Resp: 153882

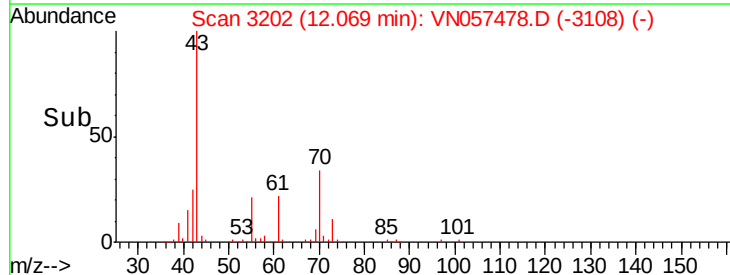
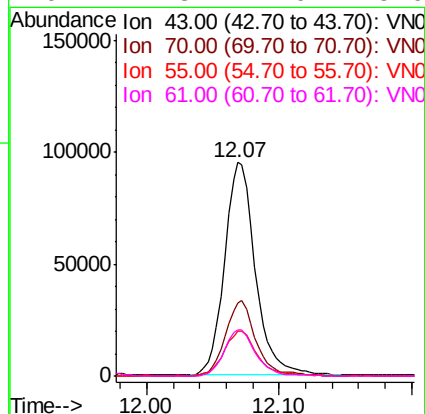
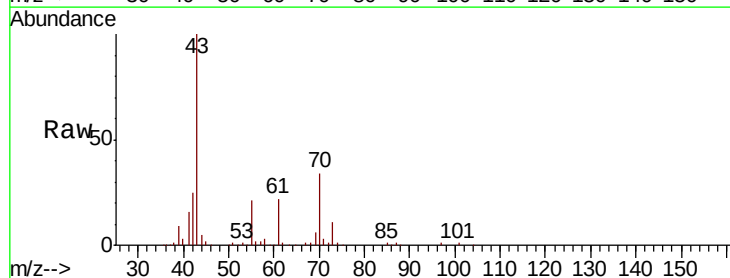
Ion Ratio Lower Upper

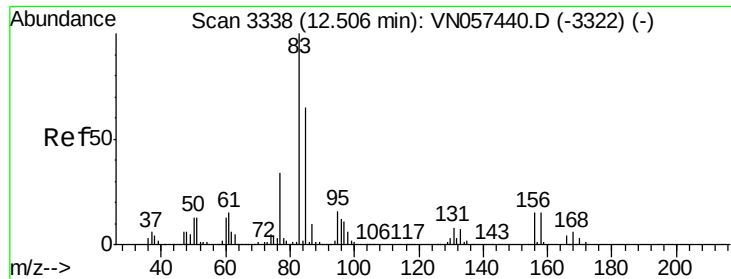
43 100

70 34.9 27.8 41.6

55 22.0 17.0 25.4

61 22.3 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.606 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

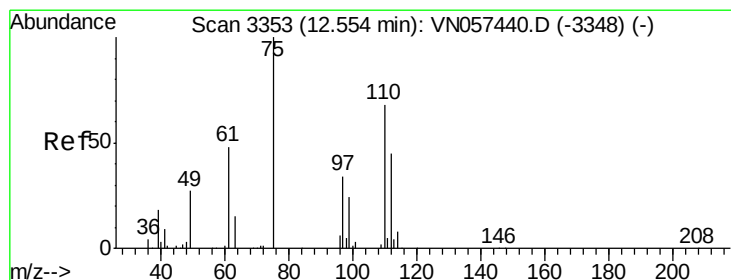
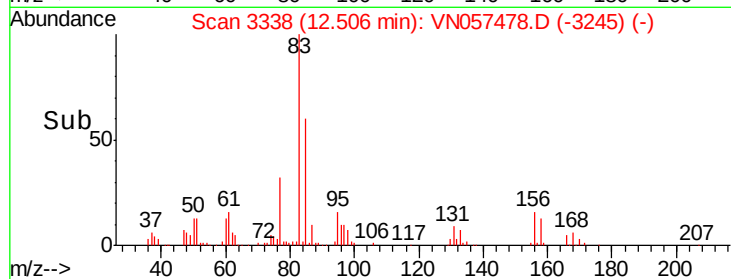
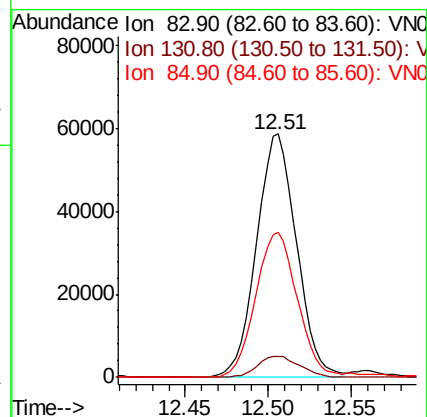
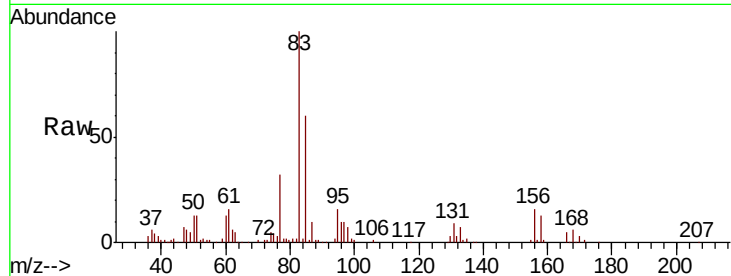
Tgt Ion: 83 Resp: 98402

Ion Ratio Lower Upper

83 100

131 9.2 4.3 13.1

85 63.5 32.3 96.8



#76

1,2,3-Trichloropropane

Concen: 31.572 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057478.D

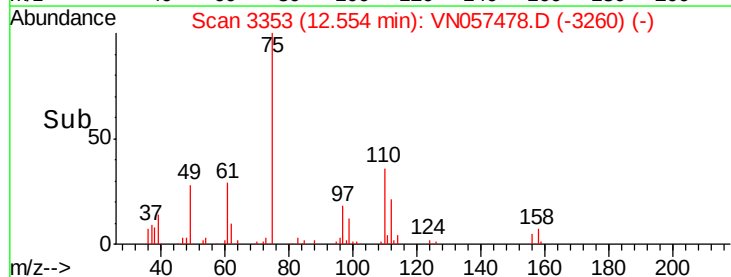
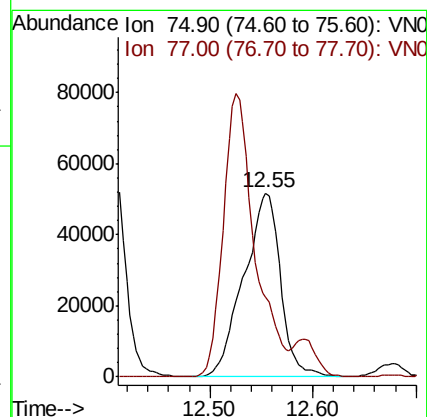
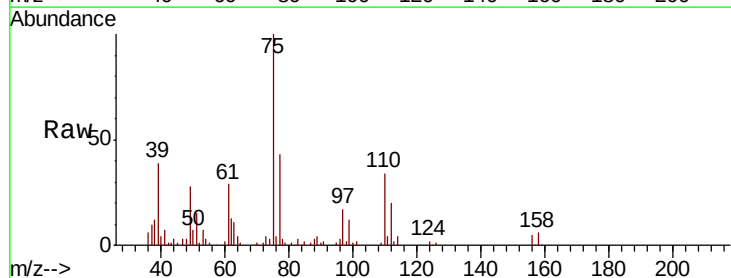
Acq: 23 Aug 2019 17:54

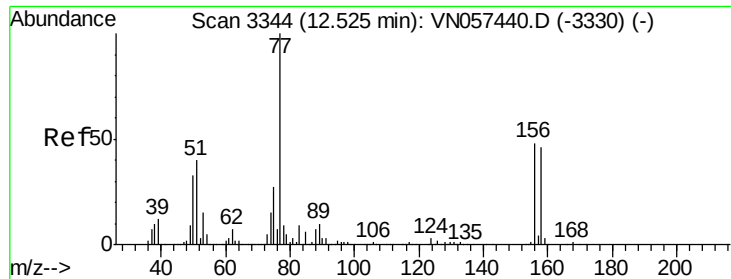
Tgt Ion: 75 Resp: 127973

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.616 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampled :

VN0824WBSD01

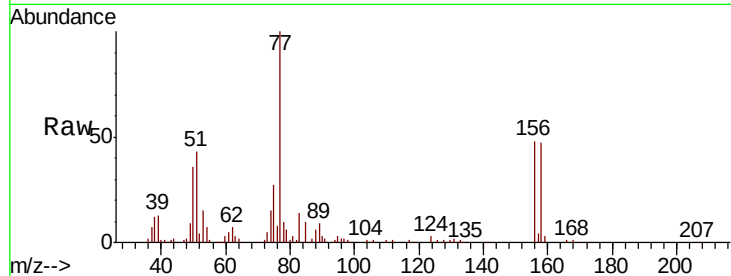
Tgt Ion:156 Resp: 69105

Ion Ratio Lower Upper

156 100

77 247.0 124.4 373.3

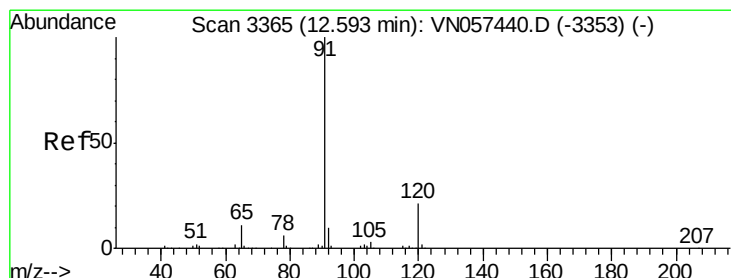
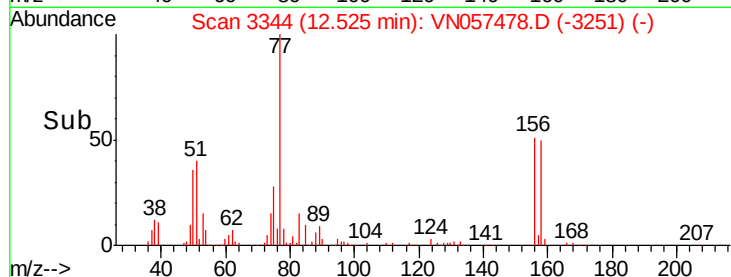
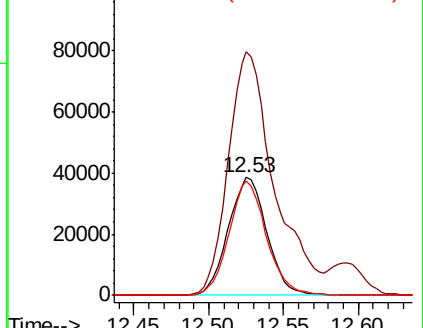
158 94.7 48.3 144.8



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: 18.865 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057478.D

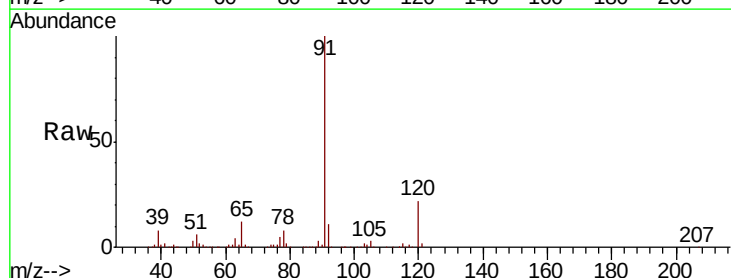
Acq: 23 Aug 2019 17:54

Tgt Ion: 91 Resp: 364139

Ion Ratio Lower Upper

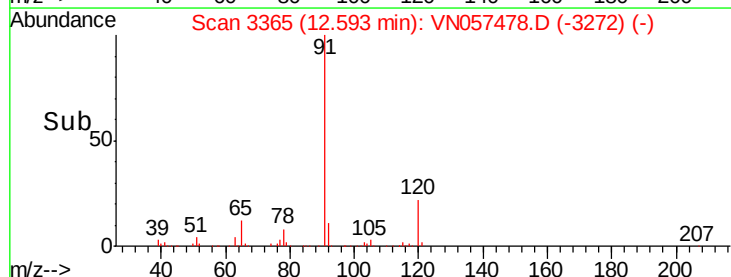
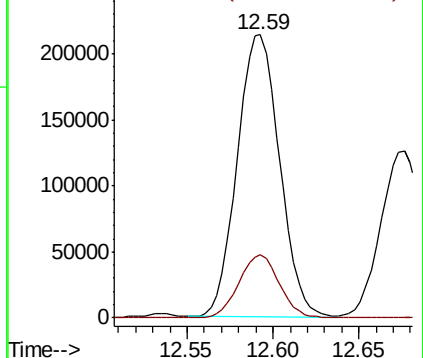
91 100

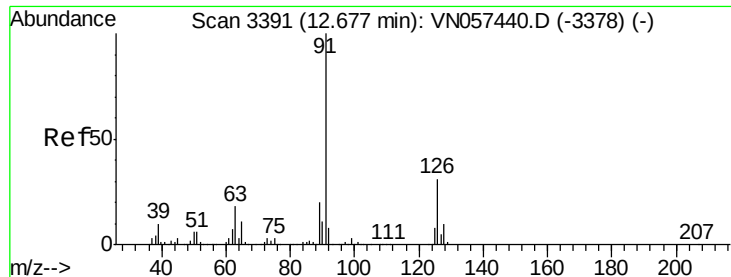
120 21.4 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.694 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampled :

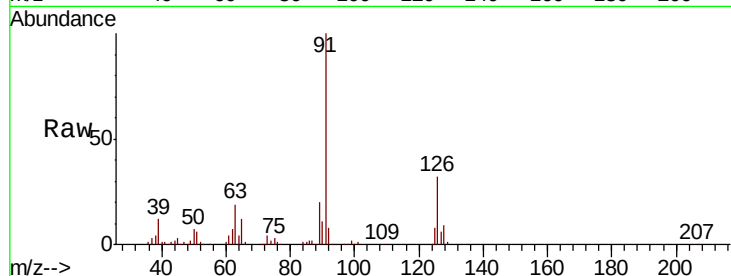
VN0824WBSD01

Tgt Ion: 91 Resp: 216614

Ion Ratio Lower Upper

91 100

126 32.4 15.3 45.8

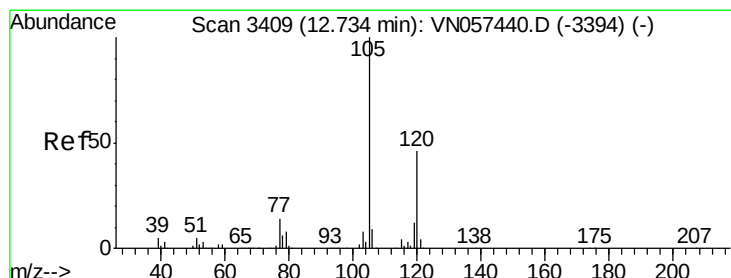
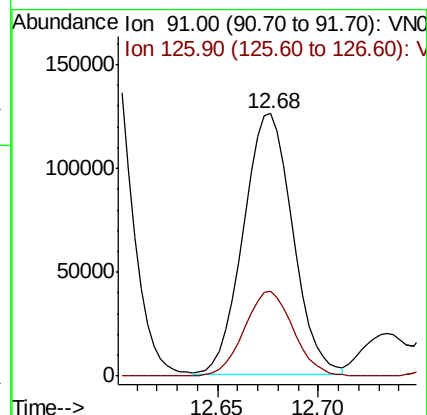
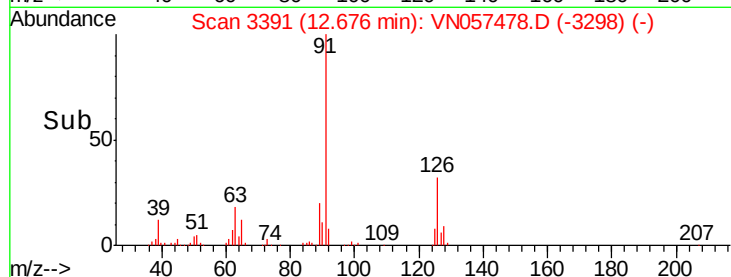


Abundance Ion 91.00 (90.70 to 91.70): VN057478.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN057478.D (-3391) (-)

12.68

12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.327 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057478.D

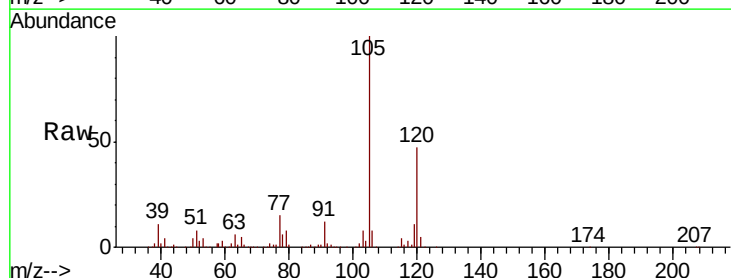
Acq: 23 Aug 2019 17:54

Tgt Ion: 105 Resp: 274167

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8

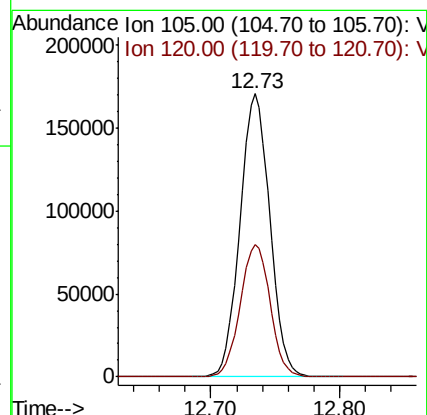
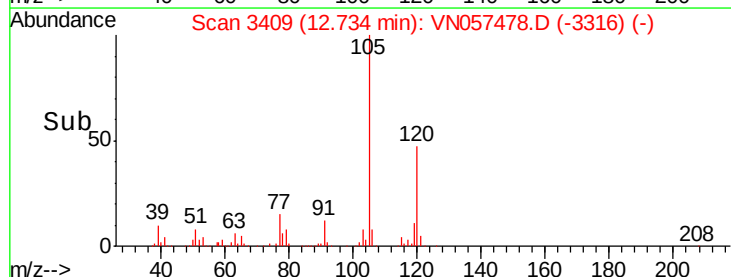


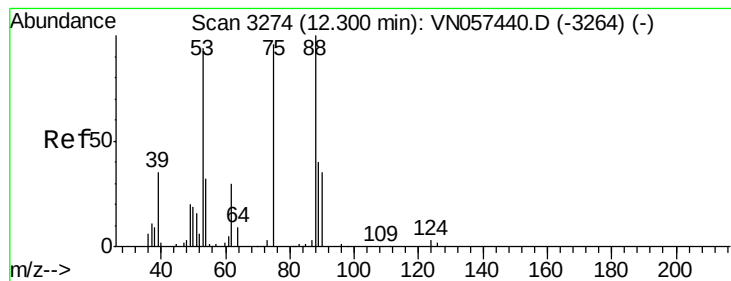
Abundance Ion 105.00 (104.70 to 105.70): VN057478.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN057478.D (-3409) (-)

12.73

12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 16.054 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

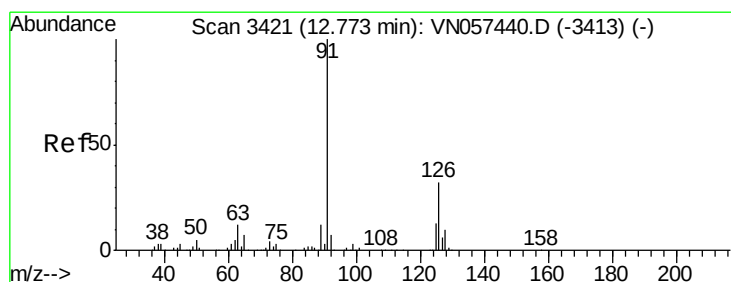
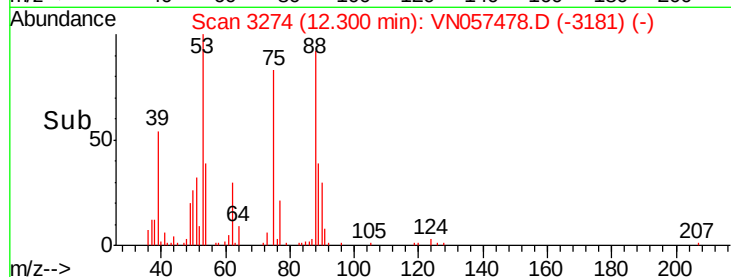
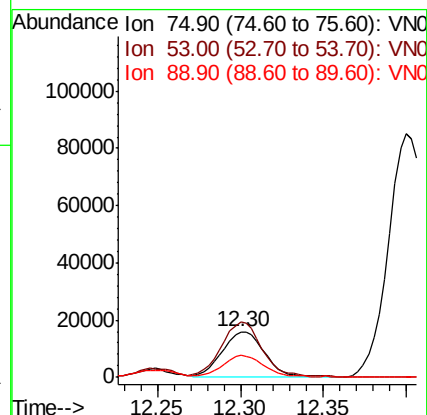
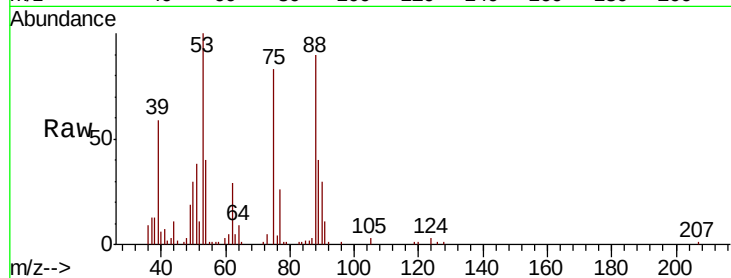
Tgt Ion: 75 Resp: 28648

Ion Ratio Lower Upper

75 100

53 115.4 82.7 124.1

89 46.3 35.8 53.8



#82

4-Chlorotoluene

Concen: 18.759 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057478.D

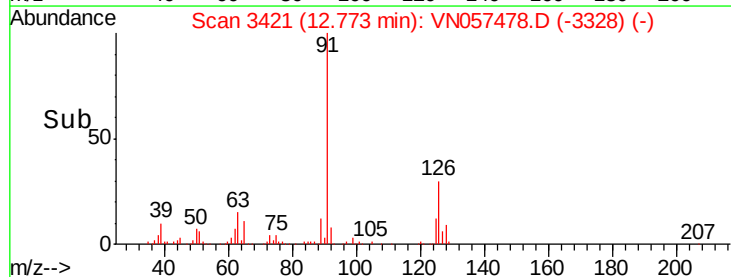
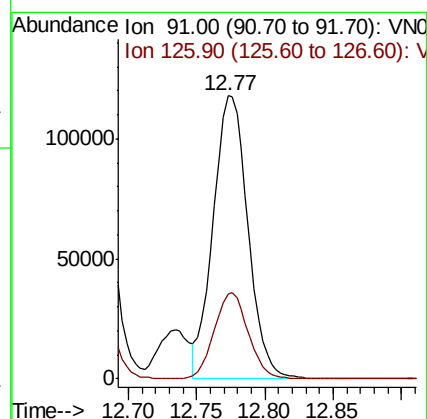
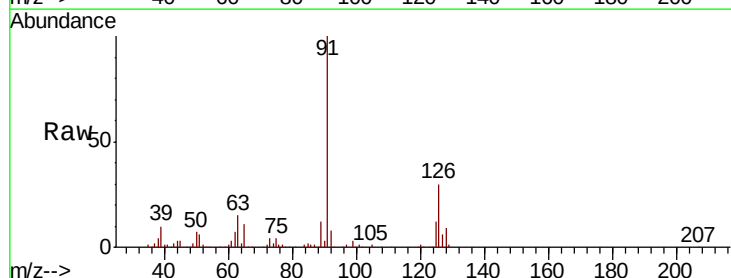
Acq: 23 Aug 2019 17:54

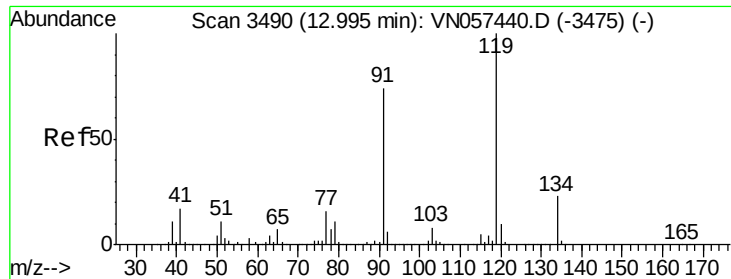
Tgt Ion: 91 Resp: 208496

Ion Ratio Lower Upper

91 100

126 30.0 15.0 45.0

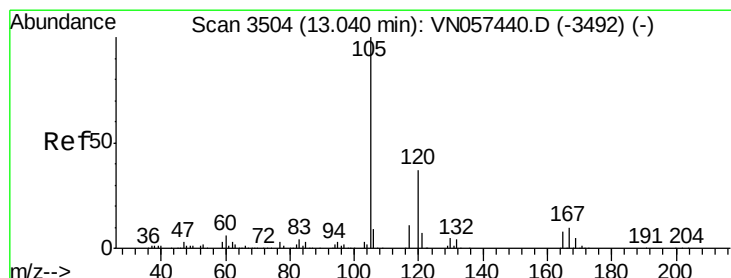
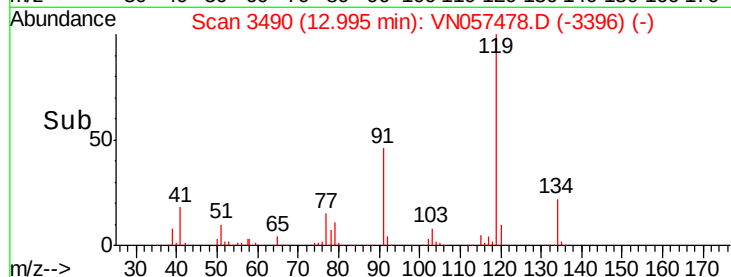
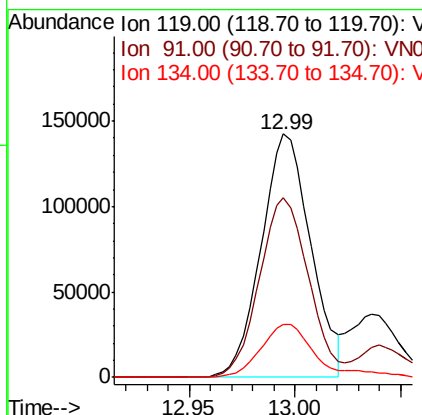
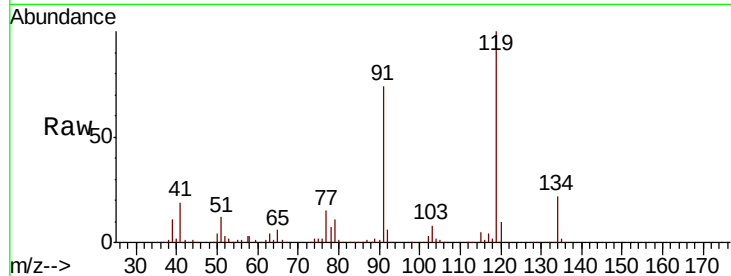




#83
 tert-Butylbenzene
 Concen: 19.295 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

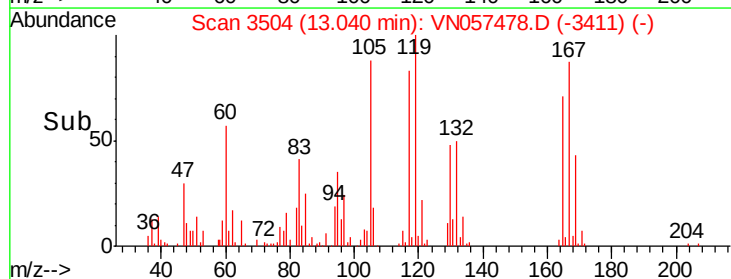
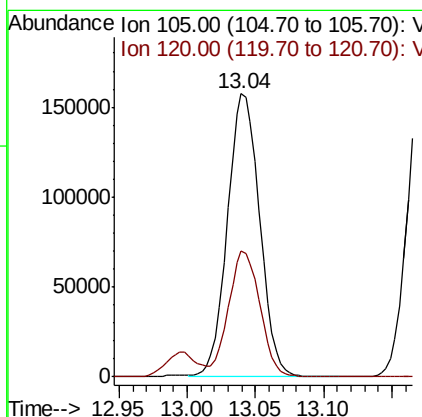
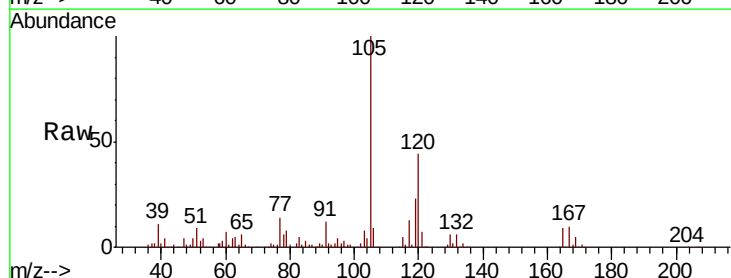
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

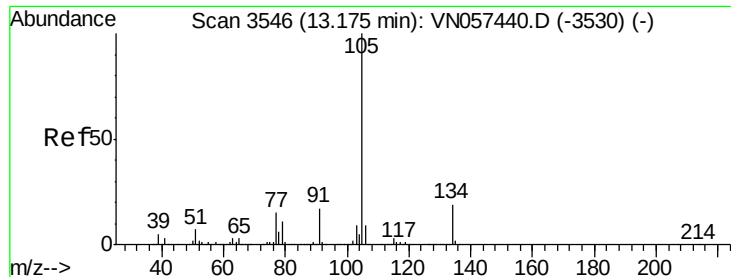
Tgt Ion:119 Resp: 233248
 Ion Ratio Lower Upper
 119 100
 91 73.5 37.0 111.0
 134 24.1 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 18.933 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion:105 Resp: 258281
 Ion Ratio Lower Upper
 105 100
 120 43.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 19.369 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

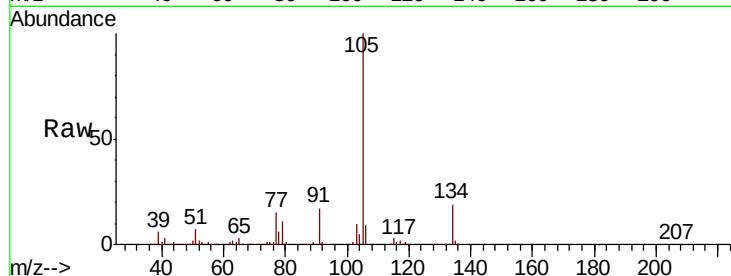
VN0824WBSD01

Tgt Ion:105 Resp: 304306

Ion Ratio Lower Upper

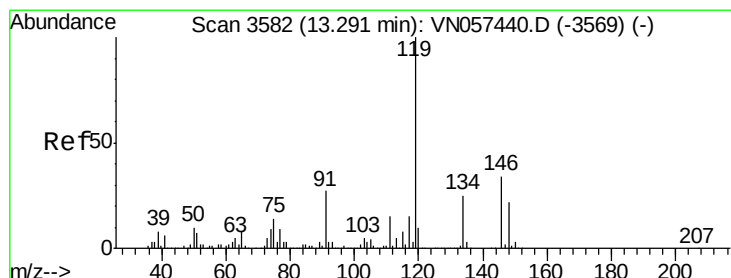
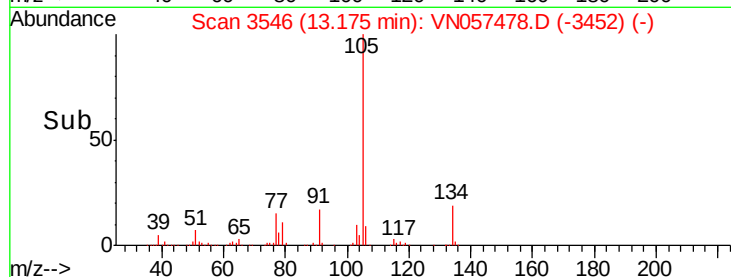
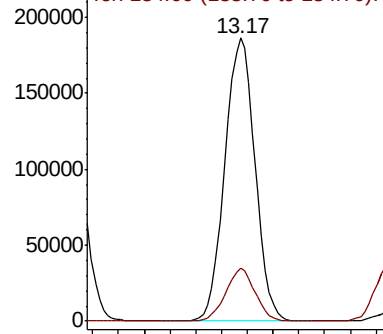
105 100

134 18.1 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.919 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

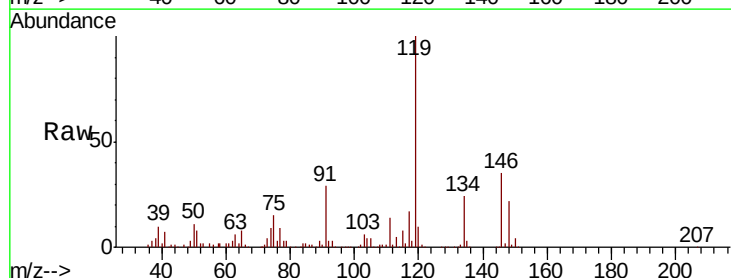
Tgt Ion:119 Resp: 245767

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.1

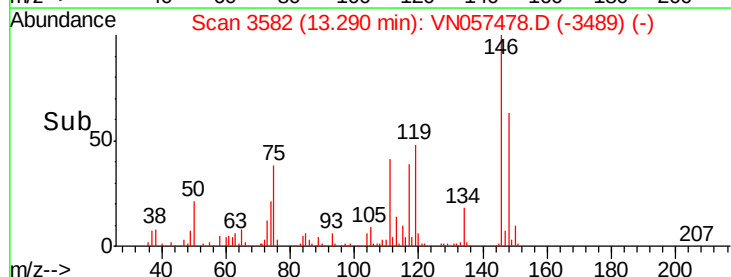
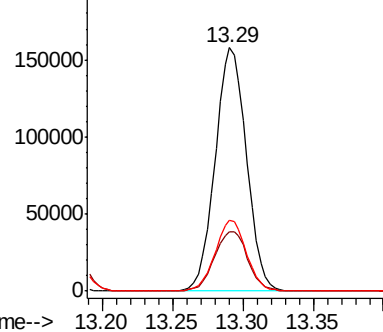
91 29.2 13.9 41.6

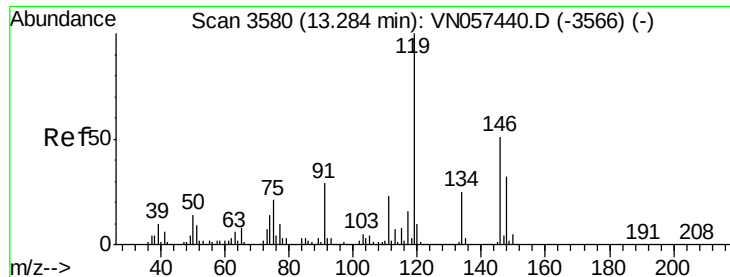


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

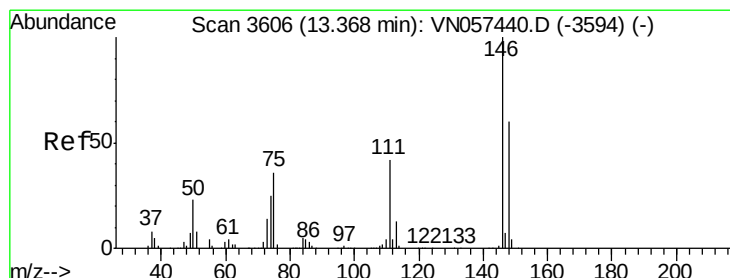
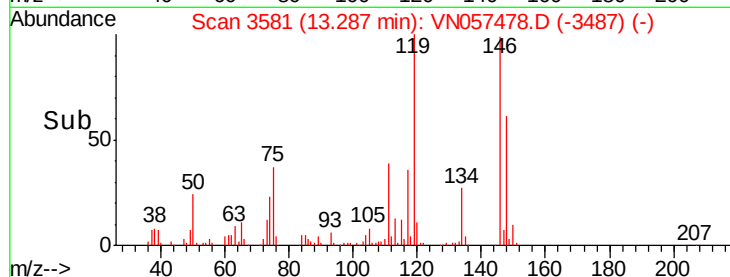
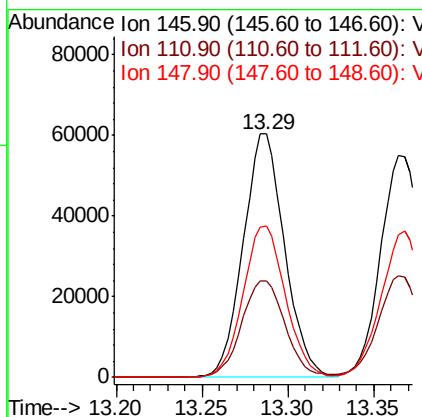
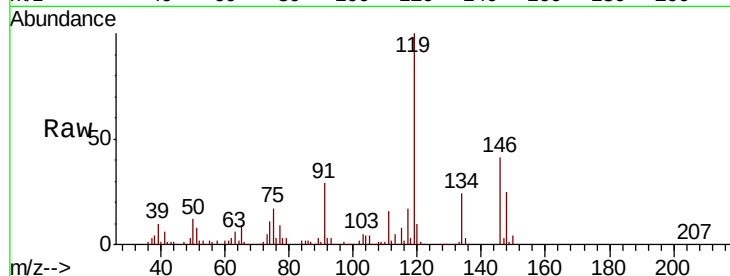




#87
 1,3-Dichlorobenzene
 Concen: 17.850 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

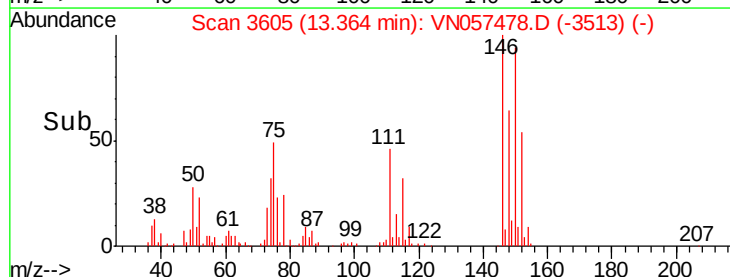
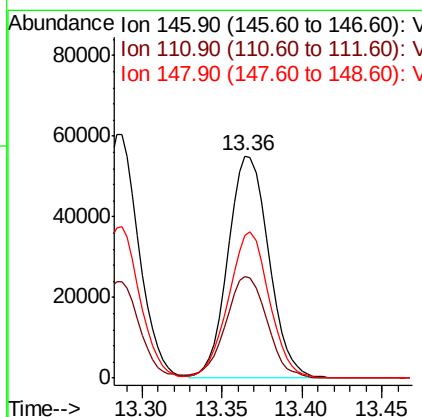
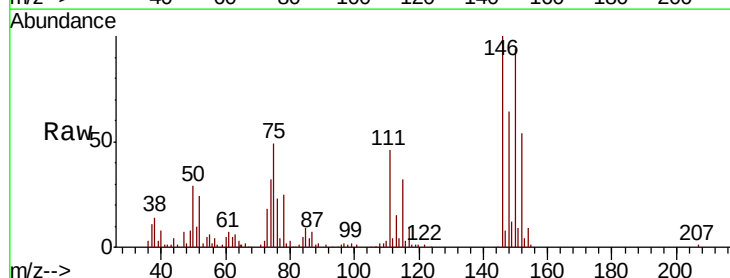
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

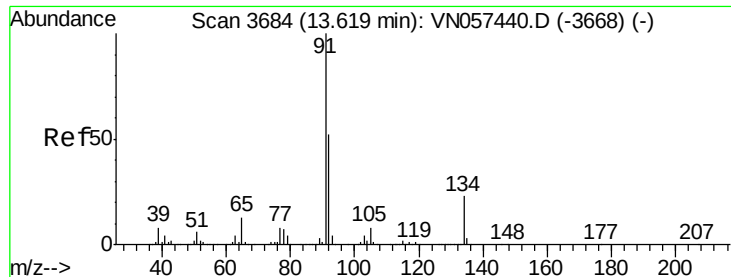
Tgt Ion:146 Resp: 101172
 Ion Ratio Lower Upper
 146 100
 111 41.6 22.1 66.1
 148 63.5 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 17.293 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion:146 Resp: 95984
 Ion Ratio Lower Upper
 146 100
 111 46.5 21.9 65.5
 148 65.9 31.1 93.2





#89

n-Butylbenzene

Concen: 18.347 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057478.D

Acq: 23 Aug 2019 17:54

Instrument :

MSVOA_N

ClientSampleId :

VN0824WBSD01

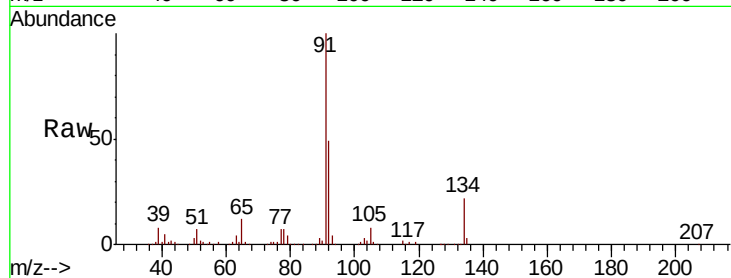
Tgt Ion: 91 Resp: 212951

Ion Ratio Lower Upper

91 100

92 49.8 25.7 77.0

134 21.8 11.4 34.1

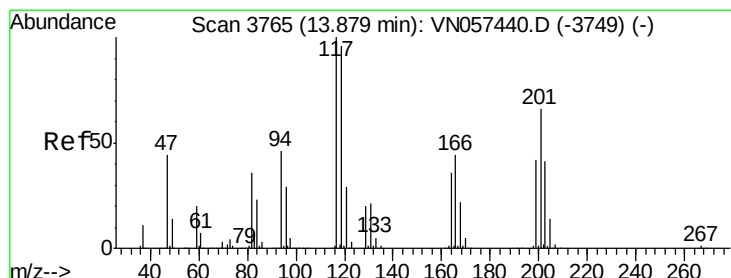
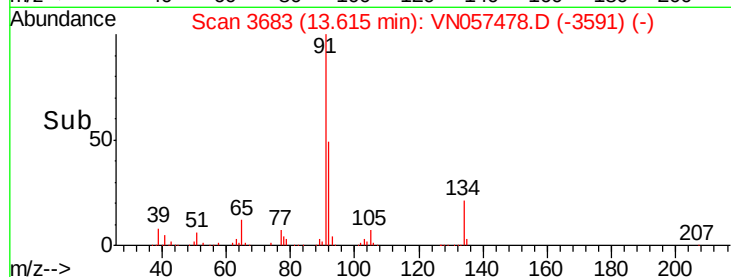


Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057440.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057440.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 16.770 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057478.D

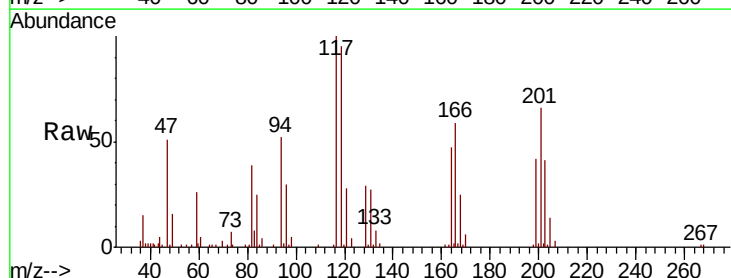
Acq: 23 Aug 2019 17:54

Tgt Ion: 117 Resp: 49098

Ion Ratio Lower Upper

117 100

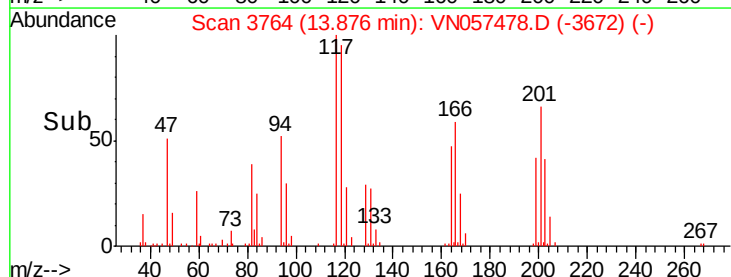
201 70.4 33.1 99.3

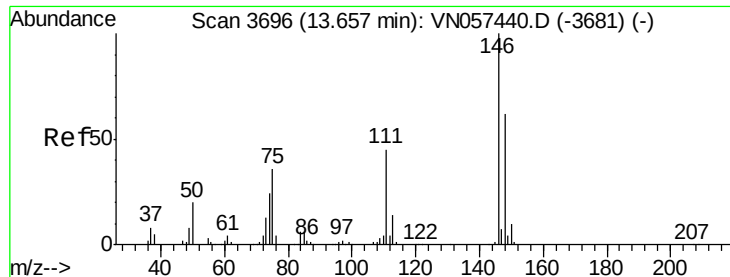


Abundance Ion 116.80 (116.50 to 117.50): VN057440.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN057440.D (-3749) (-)

Time-->

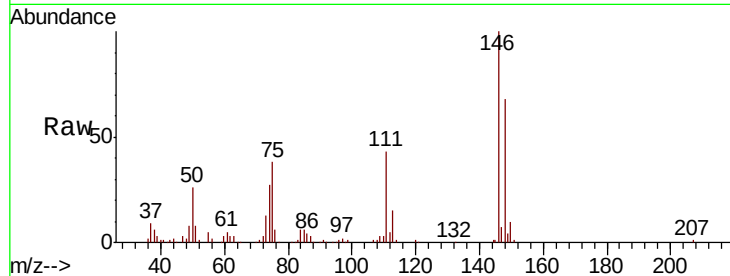




#91
 1,2-Dichlorobenzene
 Concen: 18.468 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	23.1	69.2
148	65.6	31.8	95.4

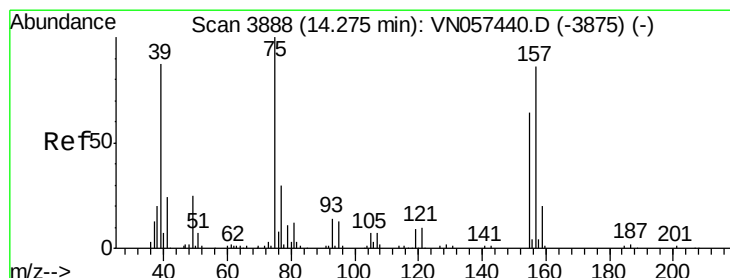
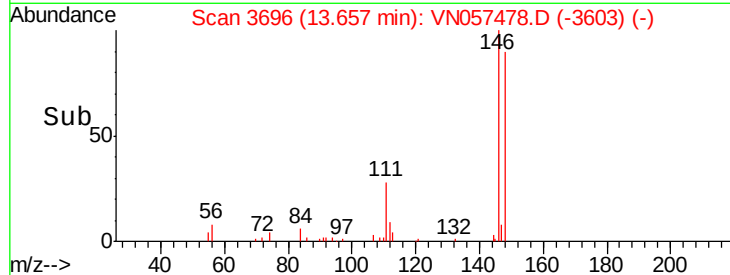
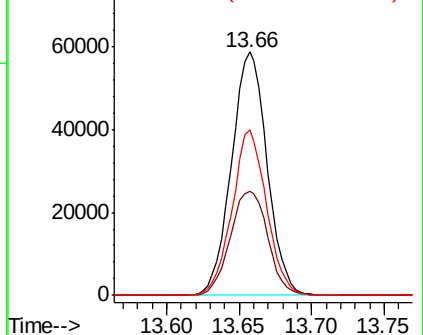


Abundance

Ion 145.90 (145.60 to 146.60): V

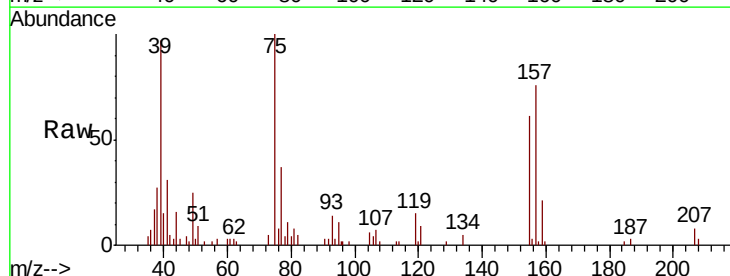
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.390 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.7	31.6	94.7
157	81.9	43.3	129.8

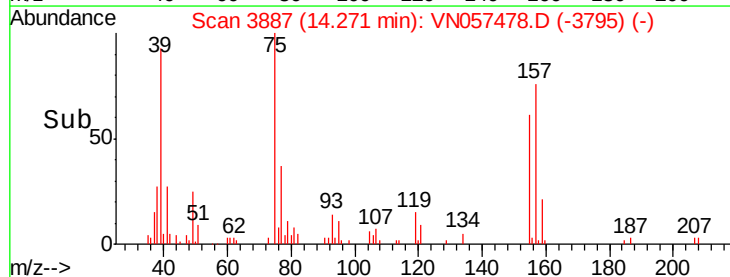
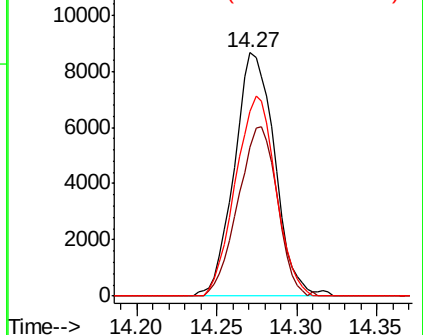


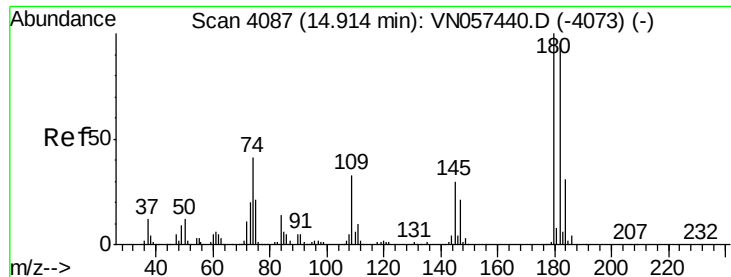
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

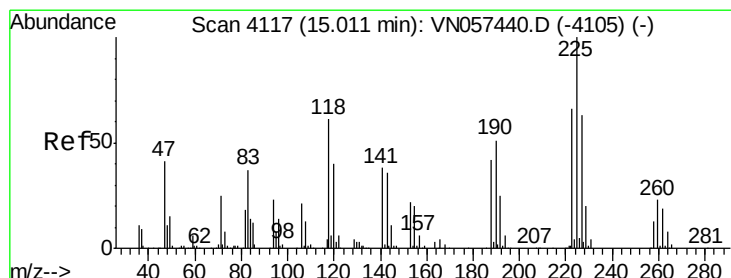
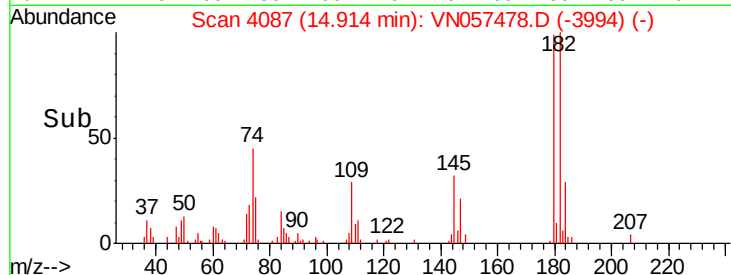
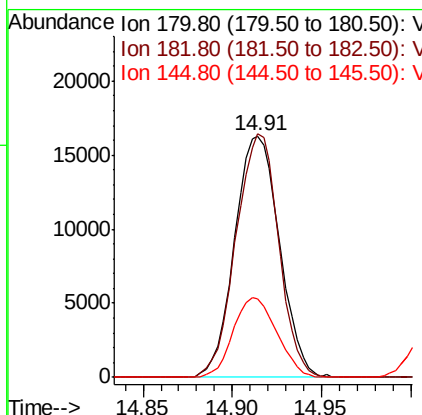
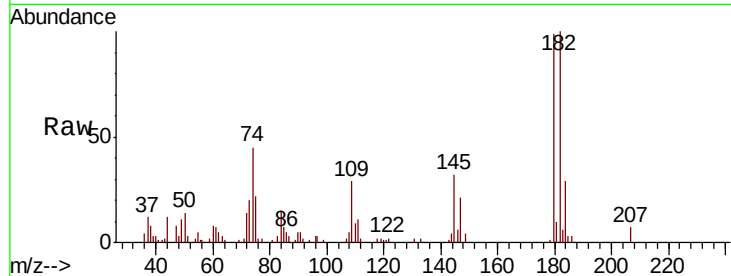




#93
 1,2,4-Trichlorobenzene
 Concen: 17.032 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

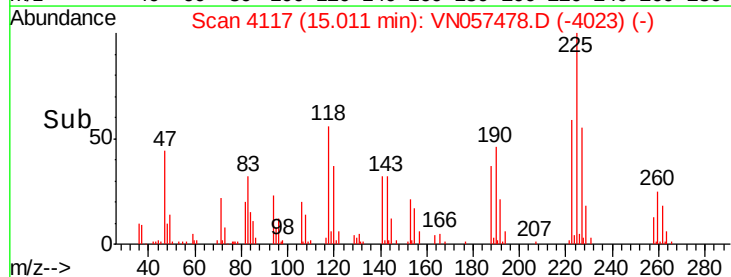
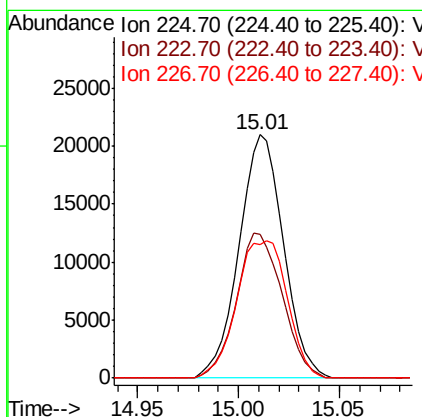
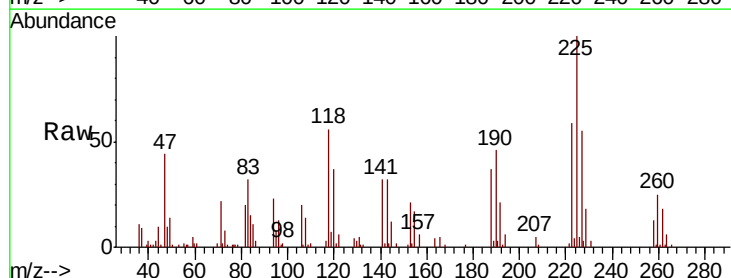
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0824WBSD01

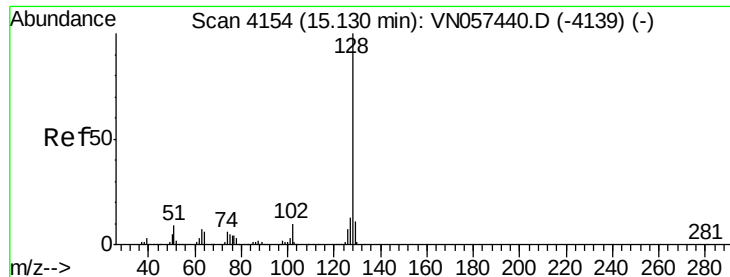
Tgt Ion:180 Resp: 28600
 Ion Ratio Lower Upper
 180 100
 182 96.1 46.7 140.1
 145 32.1 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 21.648 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057478.D
 Acq: 23 Aug 2019 17:54

Tgt Ion:225 Resp: 32361
 Ion Ratio Lower Upper
 225 100
 223 61.4 32.0 96.2
 227 64.3 31.5 94.5

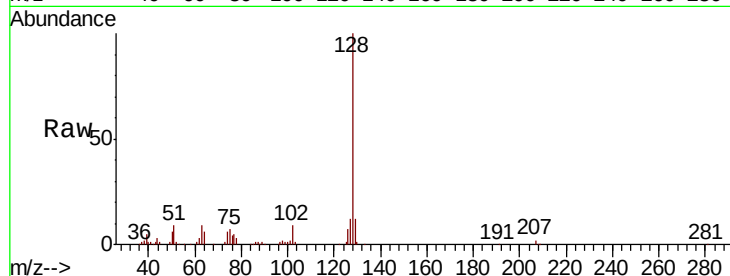




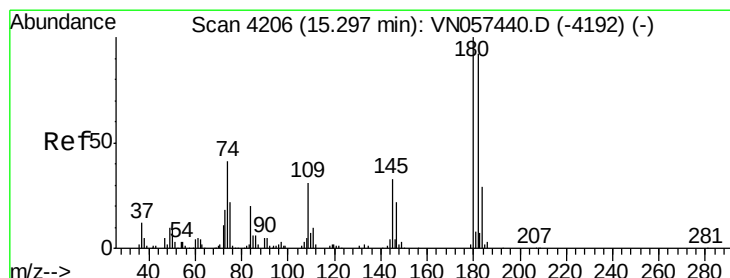
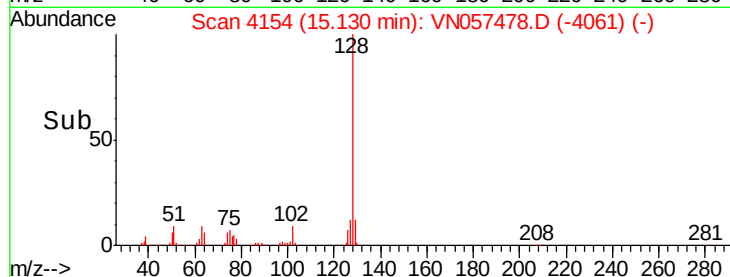
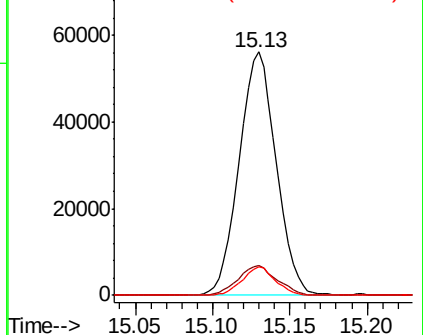
#95
Naphthalene
Concen: 16.560 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Instrument :
MSVOA_N
ClientSampleId :
VN0824WBSD01

Tgt Ion:128 Resp: 93415
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.5 8.6 13.0

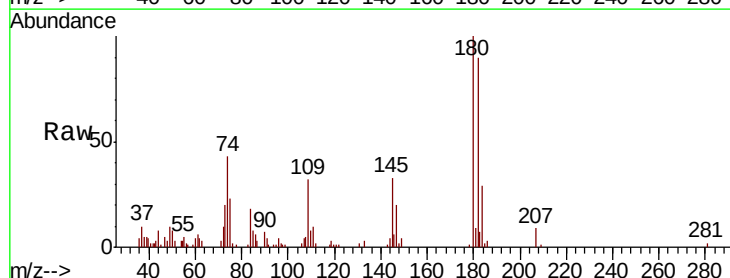


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.789 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057478.D
Acq: 23 Aug 2019 17:54

Tgt Ion:180 Resp: 30882
Ion Ratio Lower Upper
180 100
182 94.1 46.7 140.1
145 34.2 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

