

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057460.D
 Acq On : 23 Aug 2019 3:13
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Aug 23 05:19:05 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	365995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	698793	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	622222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	242165	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	336569	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
35) Dibromofluoromethane	7.57	113	231887	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.08	98	906504	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
62) 4-Bromofluorobenzene	12.40	95	309417	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	218608	50.616	ug/l	94
3) Chloromethane	2.05	50	298231	48.347	ug/l	100
4) Vinyl Chloride	2.17	62	379646	50.564	ug/l	99
5) Bromomethane	2.54	94	223902	48.390	ug/l	99
6) Chloroethane	2.69	64	241805	50.068	ug/l	94
7) Trichlorofluoromethane	3.00	101	573451	49.205	ug/l	97
8) Diethyl Ether	3.39	74	207998	53.156	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	200431	34.078	ug/l	98
10) Methyl Iodide	3.92	142	242666	50.992	ug/l	99
11) Tert butyl alcohol	4.79	59	188988	236.252	ug/l	100
12) 1,1-Dichloroethene	3.70	96	250773	40.254	ug/l	95
13) Acrolein	3.58	56	205961	292.807	ug/l	97
14) Allyl chloride	4.29	41	401033	48.603	ug/l	98
15) Acrylonitrile	4.97	53	544374	252.343	ug/l	100
16) Acetone	3.80	43	446825	151.122	ug/l	99
17) Carbon Disulfide	4.02	76	552505	46.494	ug/l	99
18) Methyl Acetate	4.30	43	353485	55.504	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	714306	47.500	ug/l	96
20) Methylene Chloride	4.52	84	222384	50.730	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	205669	46.785	ug/l	96
22) Diisopropyl ether	5.93	45	895525	50.666	ug/l	98
23) Vinyl Acetate	5.87	43	3398691	246.184	ug/l	100
24) 1,1-Dichloroethane	5.82	63	454659	48.537	ug/l	98
25) 2-Butanone	6.82	43	793805	247.244	ug/l	99
26) 2,2-Dichloropropane	6.80	77	285947	35.250	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	250824	48.132	ug/l	97
28) Bromochloromethane	7.18	49	269435	53.412	ug/l	98
29) Tetrahydrofuran	7.20	42	529926	250.311	ug/l	100
30) Chloroform	7.36	83	443626	51.045	ug/l	97
31) Cyclohexane	7.63	56	436692	48.285	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	390253	48.567	ug/l	100
36) 1,1-Dichloropropene	7.78	75	328910	46.064	ug/l	99
37) Ethyl Acetate	6.91	43	346070	49.049	ug/l	99
38) Carbon Tetrachloride	7.76	117	320560	45.191	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	397420	46.865	ug/l	98
40) Benzene	8.03	78	986852	46.048	ug/l	98
41) Methacrylonitrile	7.16	41	187203	55.643	ug/l	85
42) 1,2-Dichloroethane	8.11	62	384034	46.540	ug/l	98
43) Isopropyl Acetate	8.15	43	605666	46.816	ug/l	99
44) Trichloroethene	8.82	130	224660	46.961	ug/l	93
45) 1,2-Dichloropropane	9.11	63	280867	46.535	ug/l	98
46) Dibromomethane	9.20	93	172928	48.890	ug/l	99
47) Bromodichloromethane	9.40	83	364990	45.838	ug/l	100
48) Methyl methacrylate	9.19	41	296976	48.274	ug/l	99
49) 1,4-Dioxane	9.20	88	75528	949.407	ug/l	92
51) 4-Methyl-2-Pentanone	9.98	43	1760830	244.217	ug/l	100
52) Toluene	10.15	92	604931	48.975	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	373877	44.826	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	403505	43.451	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	229564	45.958	ug/l	98
56) Ethyl methacrylate	10.43	69	391852	49.869	ug/l	98
57) 1,3-Dichloropropane	10.70	76	411204	47.300	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	524524	240.387	ug/l	100
59) 2-Hexanone	10.75	43	1215312	245.751	ug/l	100
60) Dibromochloromethane	10.90	129	246618	46.719	ug/l	100
61) 1,2-Dibromoethane	11.00	107	232938	47.546	ug/l	99
64) Tetrachloroethene	10.63	164	205113	47.118	ug/l	94
65) Chlorobenzene	11.43	112	581286	46.215	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	225180	46.681	ug/l	100
67) Ethyl Benzene	11.51	91	1173319	48.194	ug/l	99
68) m/p-Xylenes	11.62	106	821574	99.230	ug/l	100
69) o-Xylene	11.95	106	400167	48.790	ug/l	98
70) Styrene	11.96	104	666528	51.322	ug/l	99
71) Bromoform	12.13	173	153439	47.055	ug/l #	99
73) Isopropylbenzene	12.25	105	1091192	50.845	ug/l	100
74) N-amyl acetate	12.07	43	505787	49.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	313328	50.691	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	411663	78.966	ug/l #	100
77) Bromobenzene	12.53	156	224254	50.502	ug/l	99
78) n-propylbenzene	12.59	91	1228792	49.875	ug/l	99
79) 2-Chlorotoluene	12.67	91	736484	51.040	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	901422	51.127	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	95361	43.270	ug/l	98
82) 4-Chlorotoluene	12.77	91	722944	50.122	ug/l	100
83) tert-Butylbenzene	12.99	119	748813	50.795	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	879202	46.700	ug/l	99
85) sec-Butylbenzene	13.17	105	1008799	50.435	ug/l	100
86) p-Isopropyltoluene	13.29	119	845604	44.673	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	359322	45.936	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	347173	45.321	ug/l	98
89) n-Butylbenzene	13.62	91	740642	46.237	ug/l	99
90) Hexachloroethane	13.88	117	177122	50.020	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	354539	47.480	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55567	47.989	ug/l	97

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ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 23 05:19:05 2019
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Quant Title : SW846 8260
QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

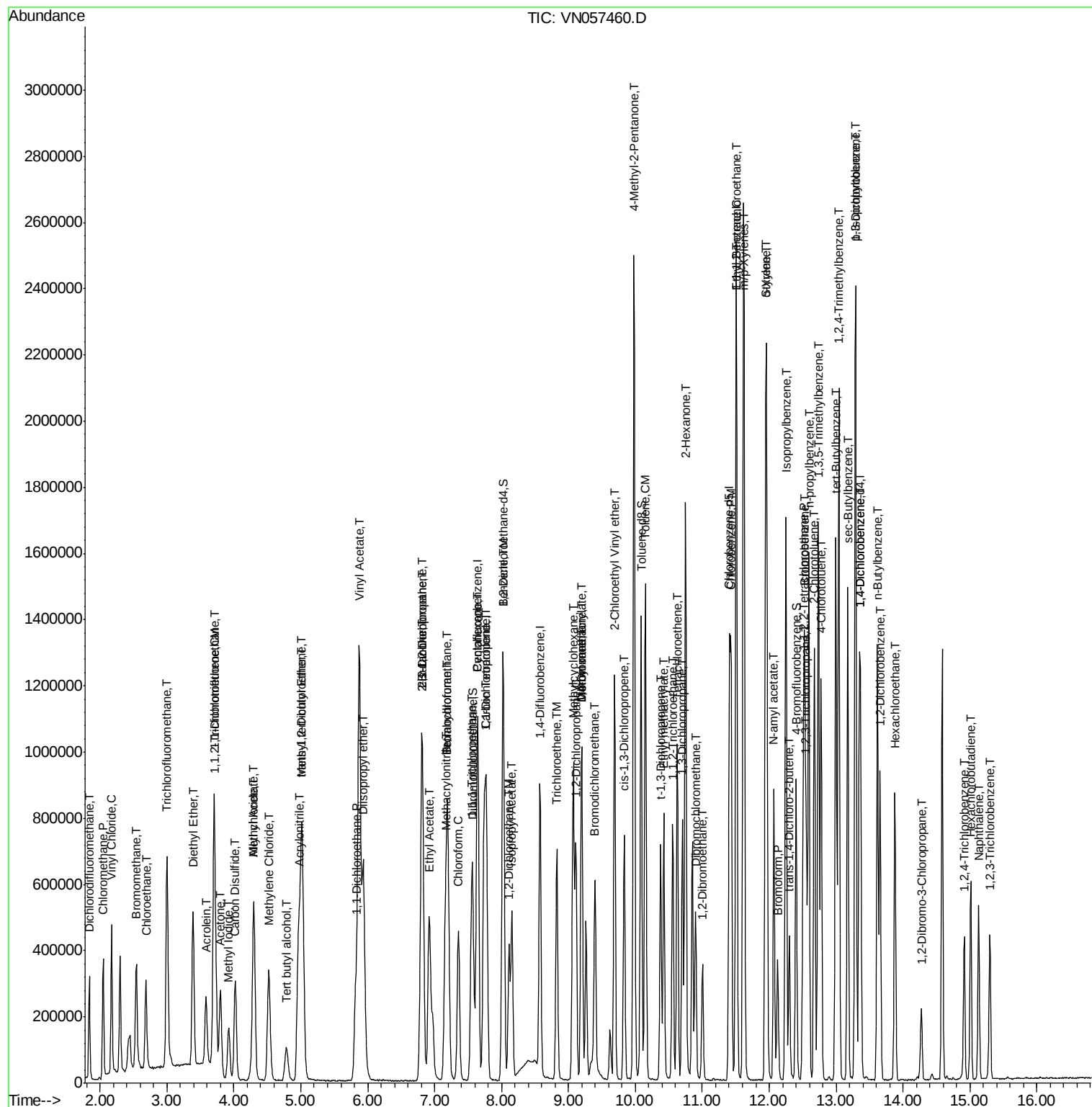
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	114717	39.262	ug/l	99
94) Hexachlorobutadiene	15.01	225	90548	47.436	ug/l	99
95) Naphthalene	15.13	128	397000	41.972	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	118420	40.329	ug/l	99

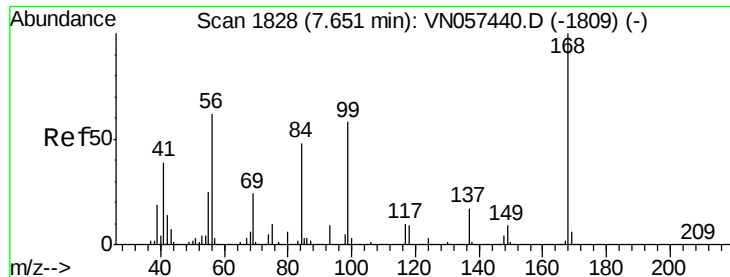
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
Data File : VN057460.D
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Sample : VSTDCCC050
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

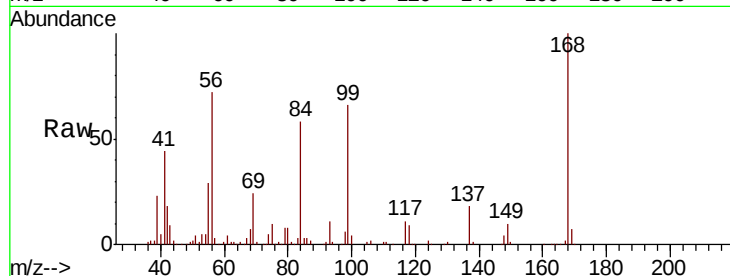
VSTDCCC050EC

Tgt Ion:168 Resp: 365995

Ion Ratio Lower Upper

168 100

99 66.2 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

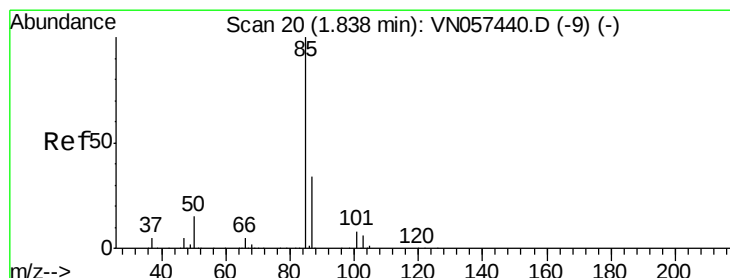
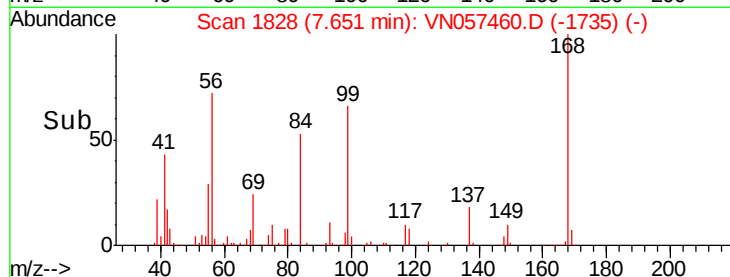
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 50.616 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057460.D

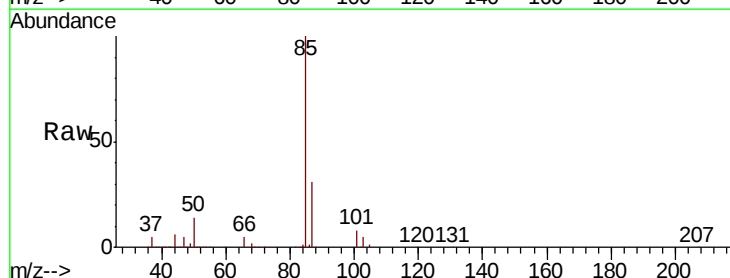
Acq: 23 Aug 2019 3:13

Tgt Ion: 85 Resp: 218608

Ion Ratio Lower Upper

85 100

87 30.7 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

150000

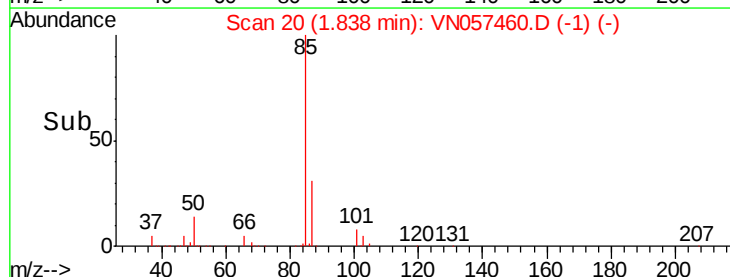
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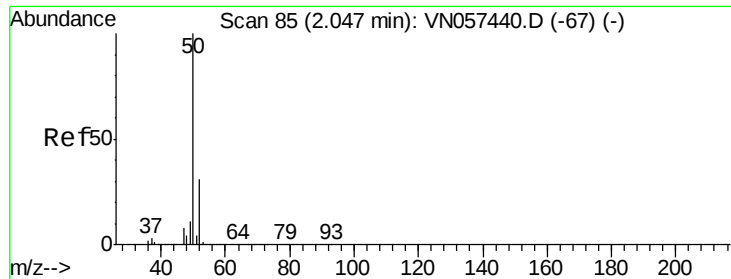
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.347 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

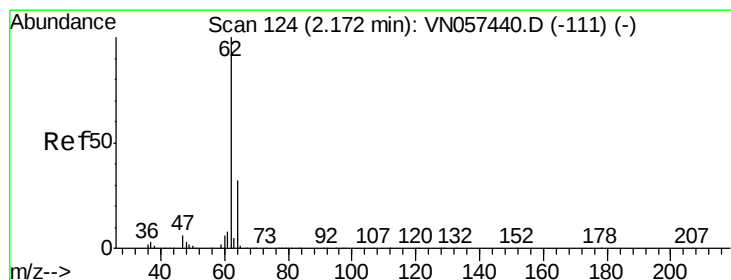
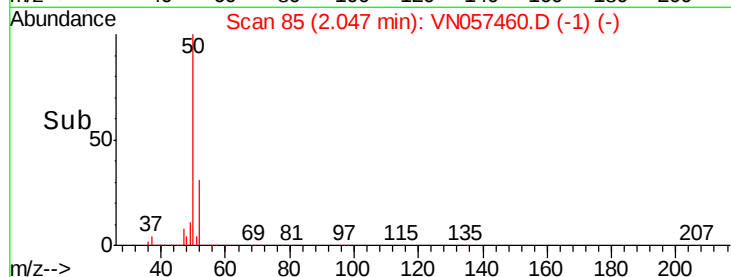
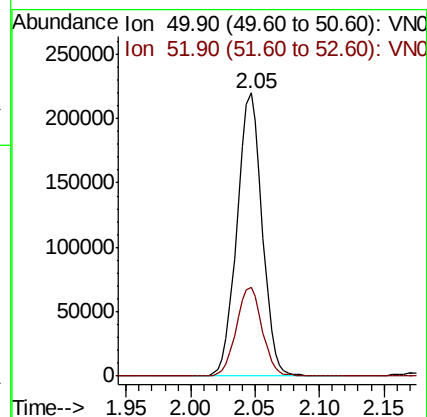
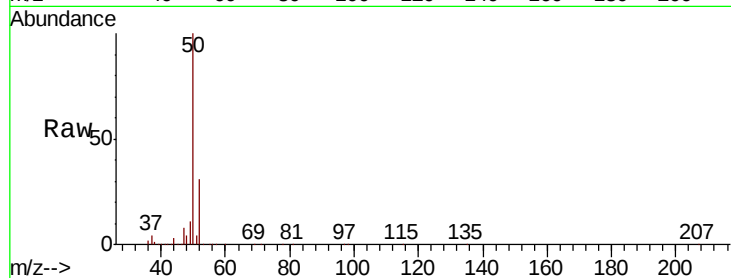
VSTDCCC050EC

Tgt Ion: 50 Resp: 298231

Ion Ratio Lower Upper

50 100

52 31.4 25.1 37.7



#4

Vinyl Chloride

Concen: 50.564 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057460.D

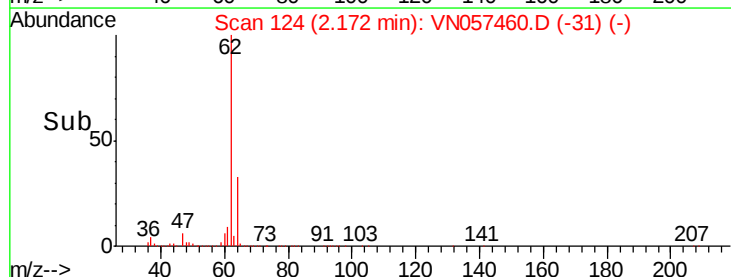
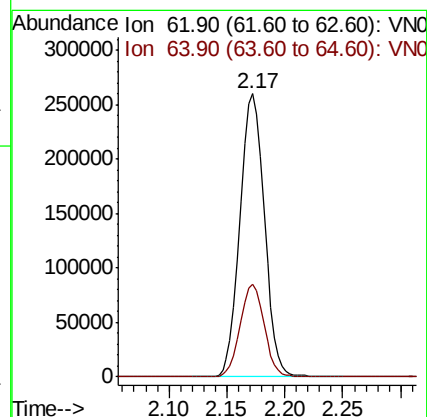
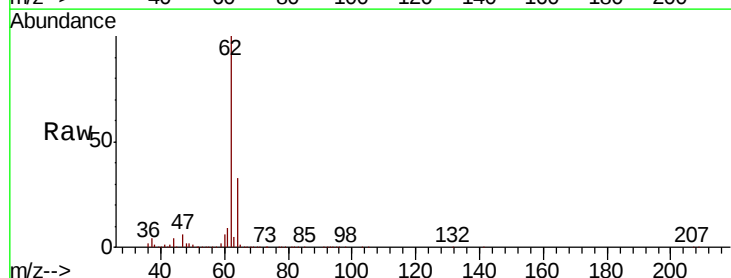
Acq: 23 Aug 2019 3:13

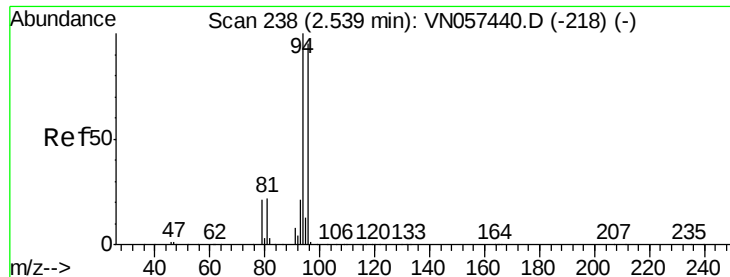
Tgt Ion: 62 Resp: 379646

Ion Ratio Lower Upper

62 100

64 32.6 25.8 38.8





#5

Bromomethane

Concen: 48.390 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

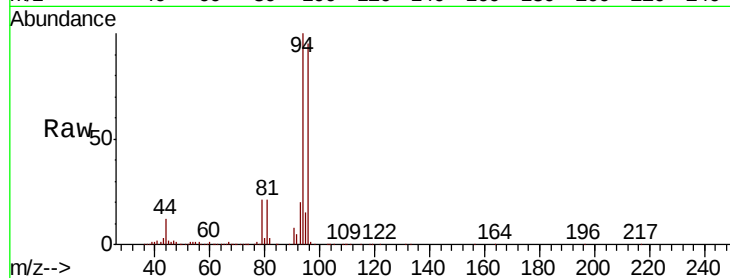
VSTDCCC050EC

Tgt Ion: 94 Resp: 223902

Ion Ratio Lower Upper

94 100

96 94.3 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

120000

100000

80000

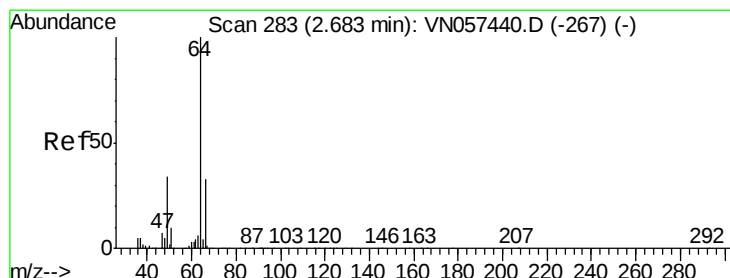
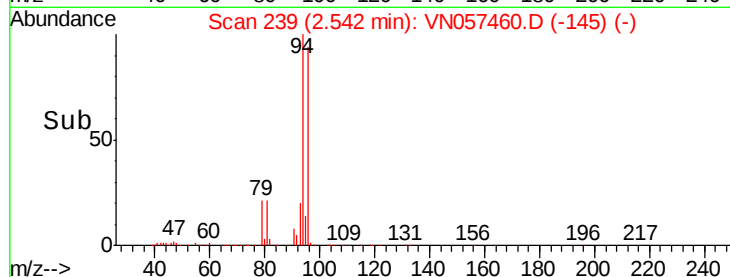
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 50.068 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057460.D

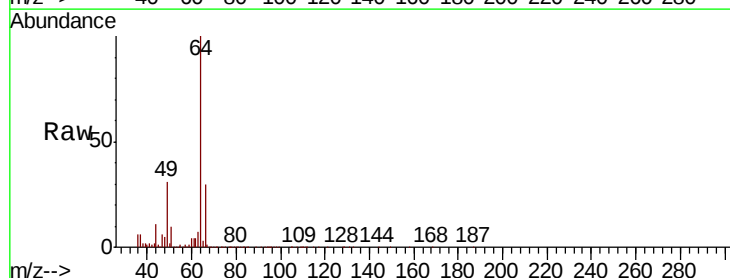
Acq: 23 Aug 2019 3:13

Tgt Ion: 64 Resp: 241805

Ion Ratio Lower Upper

64 100

66 30.3 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

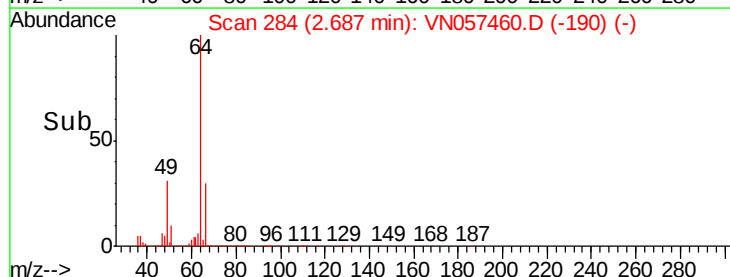
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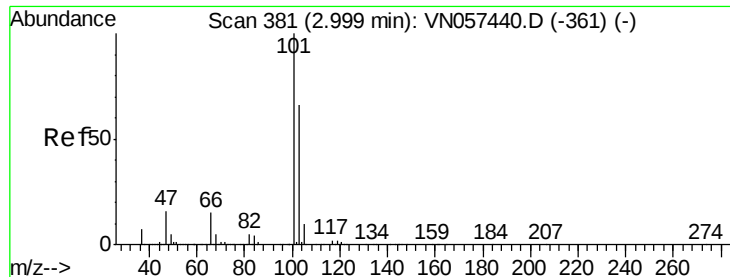
100000

50000

0

Time-->



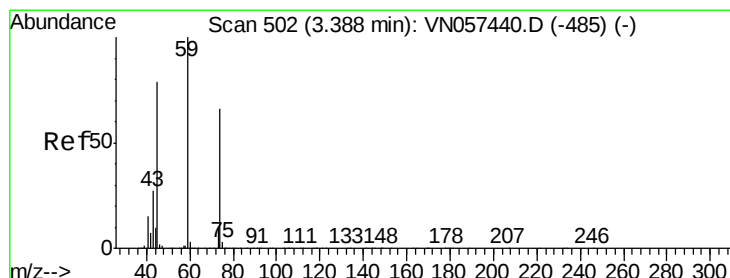
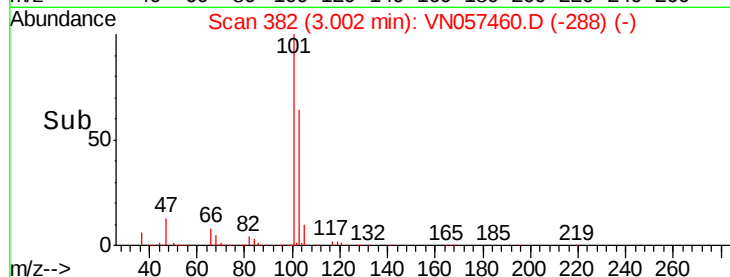
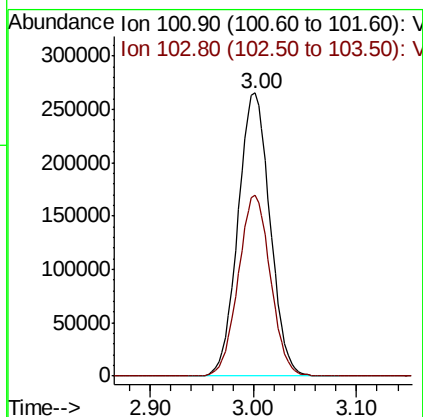
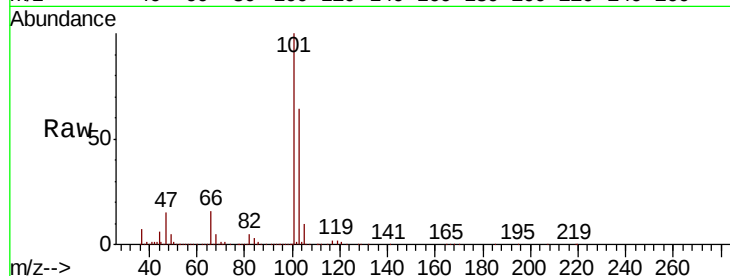


#7

Trichlorofluoromethane
Concen: 49.205 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
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VSTDCCC050EC

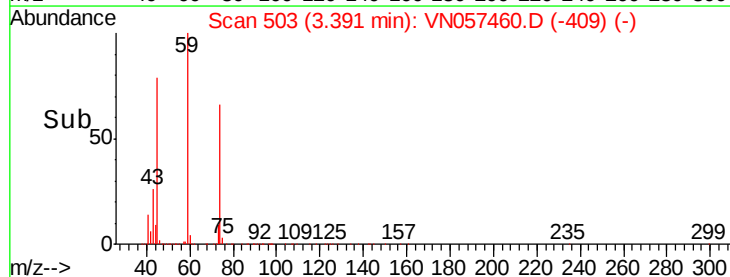
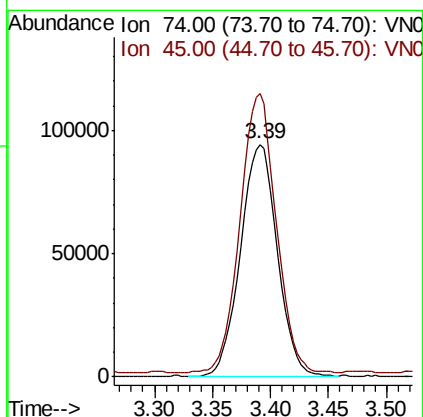
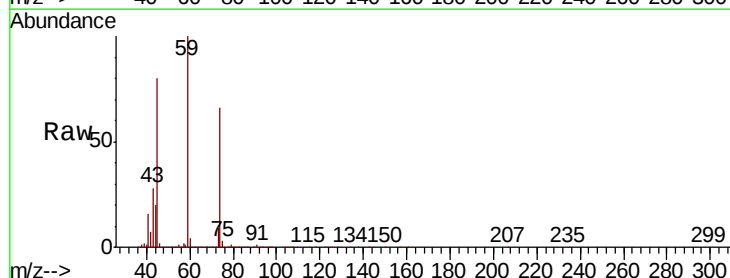
Tgt Ion:101 Resp: 573451
Ion Ratio Lower Upper
101 100
103 63.7 52.6 78.8

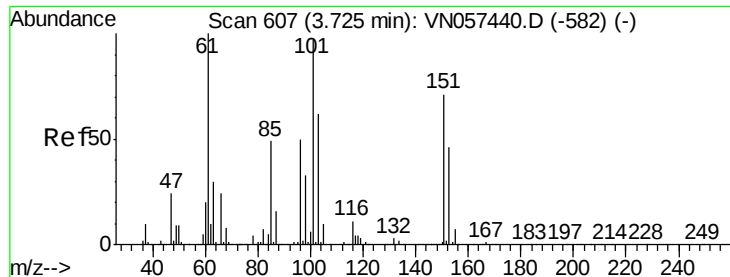


#8

Diethyl Ether
Concen: 53.156 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 74 Resp: 207998
Ion Ratio Lower Upper
74 100
45 117.4 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 34.078 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

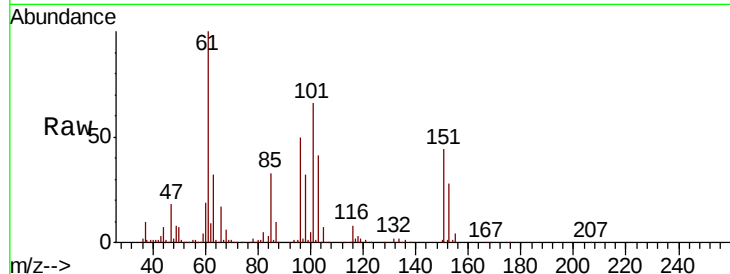
Tgt Ion:101 Resp: 200431

Ion Ratio Lower Upper

101 100

85 49.7 40.0 60.0

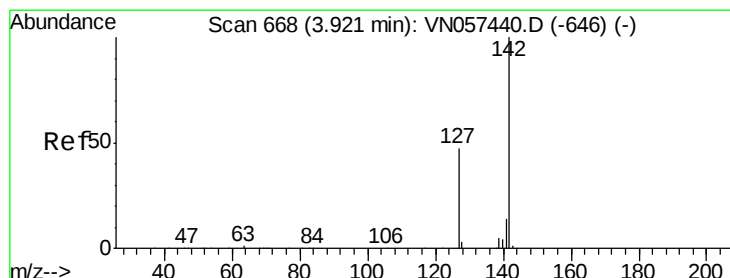
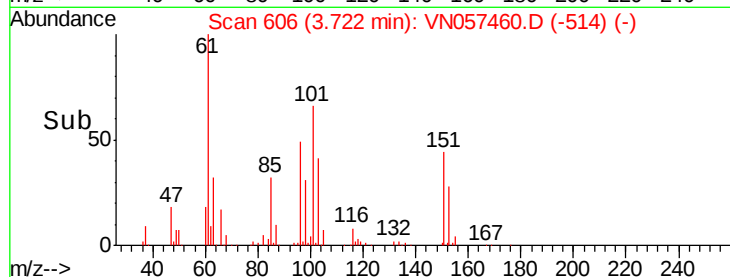
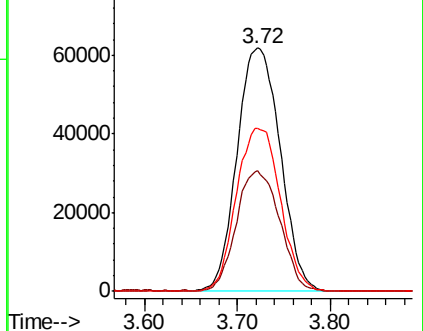
151 68.1 57.0 85.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.992 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

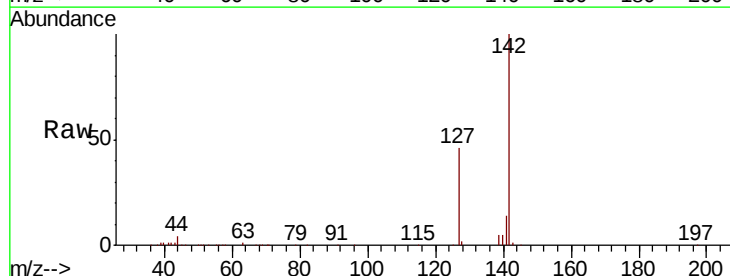
Tgt Ion:142 Resp: 242666

Ion Ratio Lower Upper

142 100

127 46.2 37.8 56.8

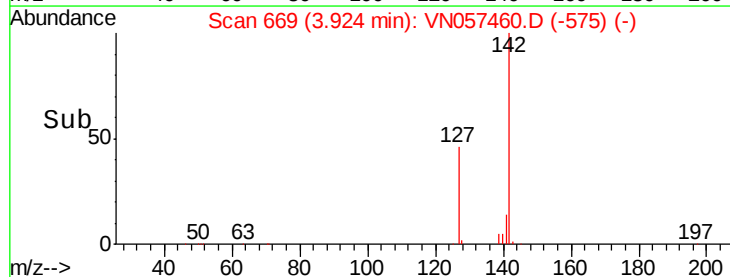
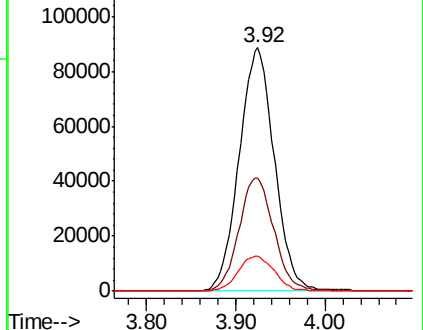
141 14.8 11.9 17.9

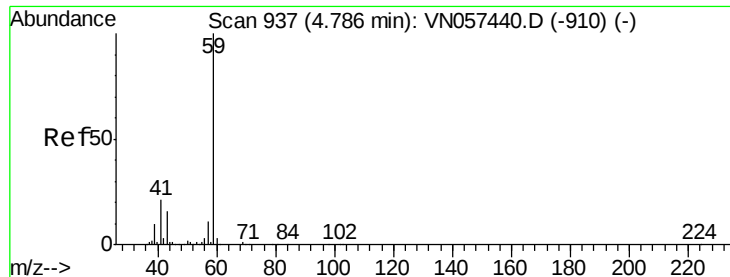


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

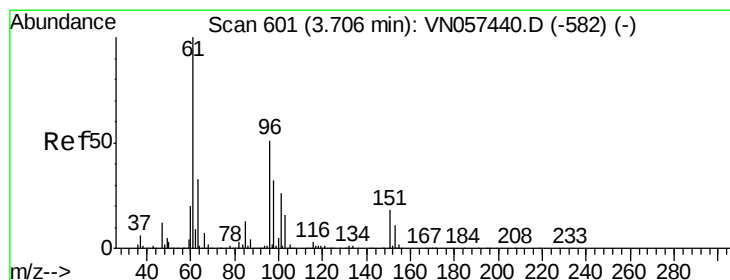
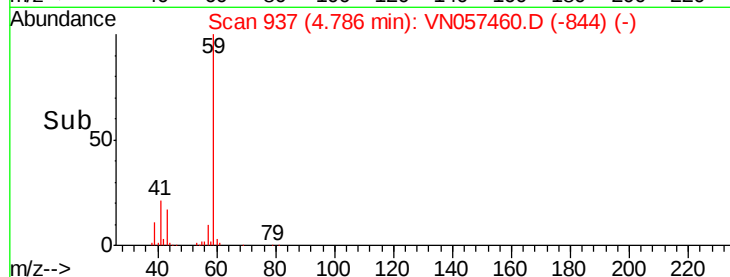
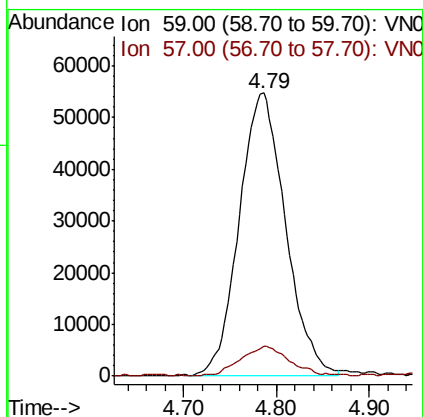
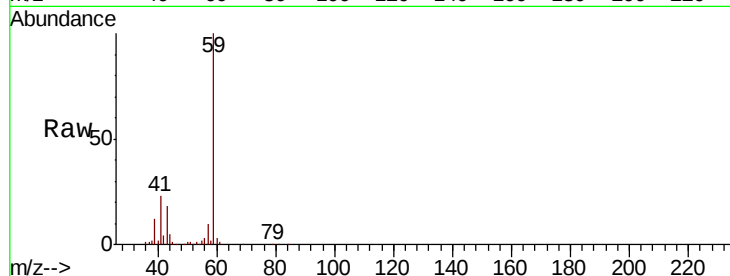




#11
Tert butyl alcohol
Concen: 236.252 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

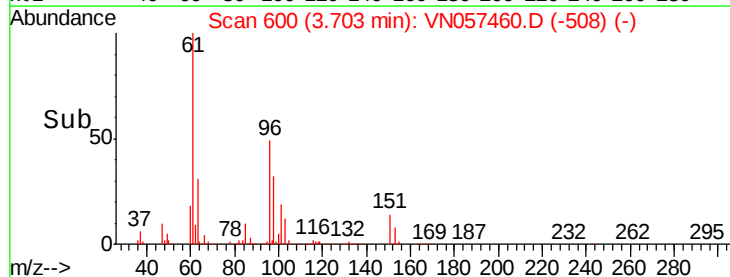
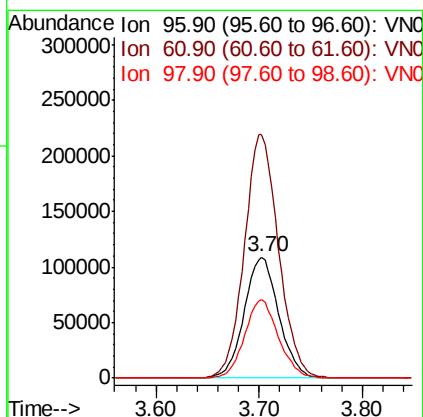
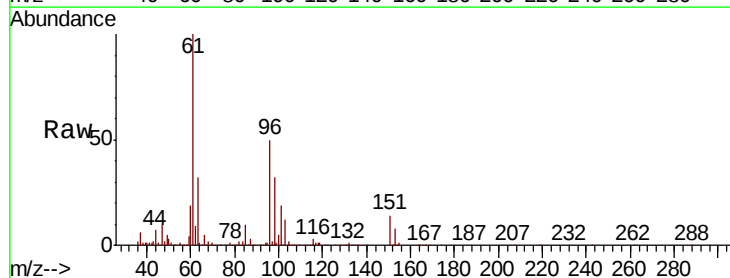
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

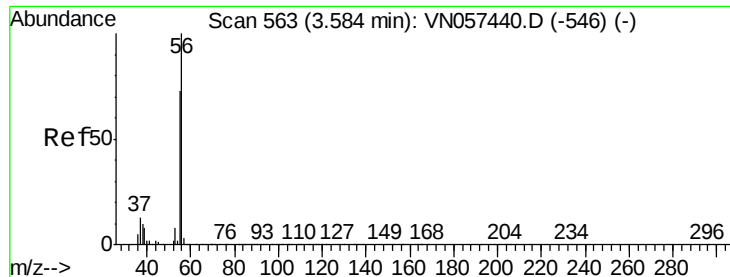
Tgt Ion: 59 Resp: 188988
Ion Ratio Lower Upper
59 100
57 11.5 9.1 13.7



#12
1,1-Dichloroethene
Concen: 40.254 ug/l
RT: 3.70 min Scan# 600
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 96 Resp: 250773
Ion Ratio Lower Upper
96 100
61 202.1 155.3 232.9
98 65.1 50.2 75.2





#13

Acrolein

Concen: 292.807 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

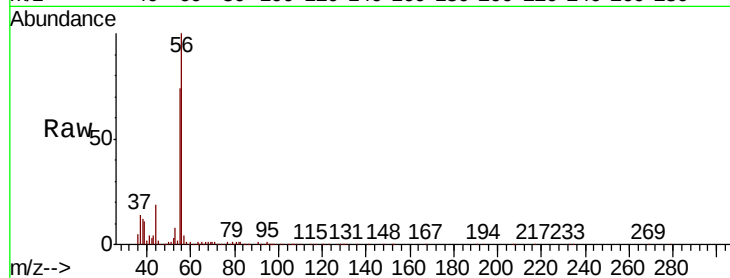
VSTDCCC050EC

Tgt Ion: 56 Resp: 205961

Ion Ratio Lower Upper

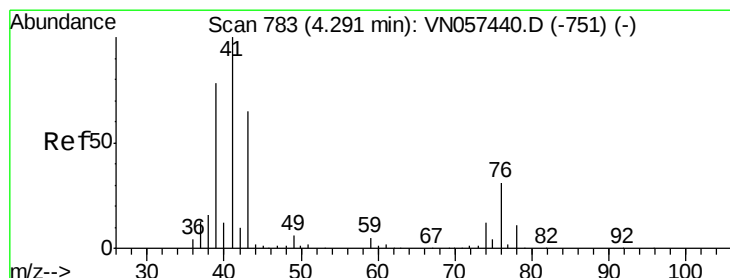
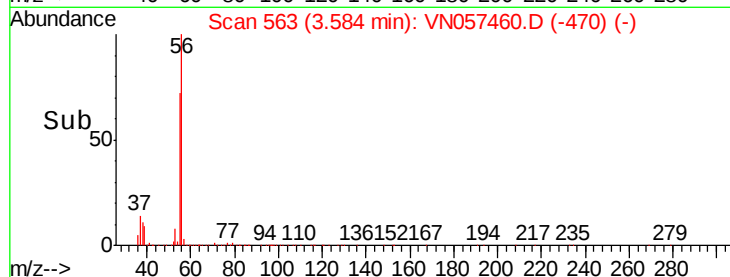
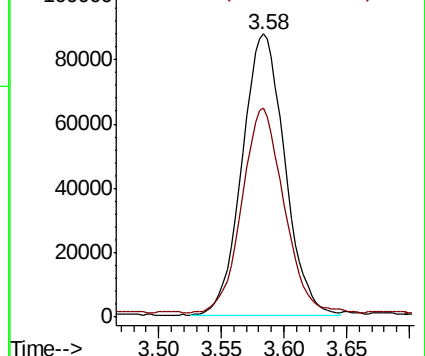
56 100

55 71.4 59.0 88.4



Abundance Ion 56.00 (55.70 to 56.70): VN057460.D (-470) (-)

Ion 55.00 (54.70 to 55.70): VN057460.D (-470) (-)



#14

Allyl chloride

Concen: 48.603 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

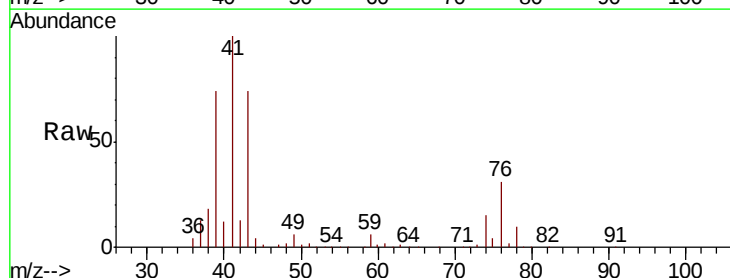
Tgt Ion: 41 Resp: 401033

Ion Ratio Lower Upper

41 100

39 70.4 57.4 86.2

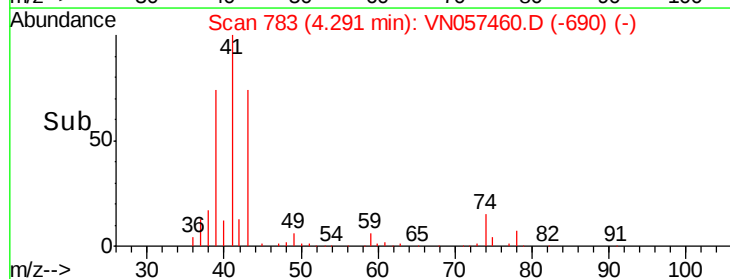
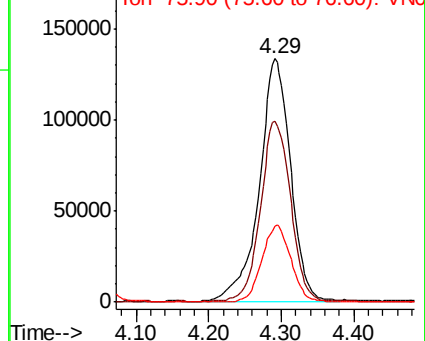
76 29.3 22.9 34.3

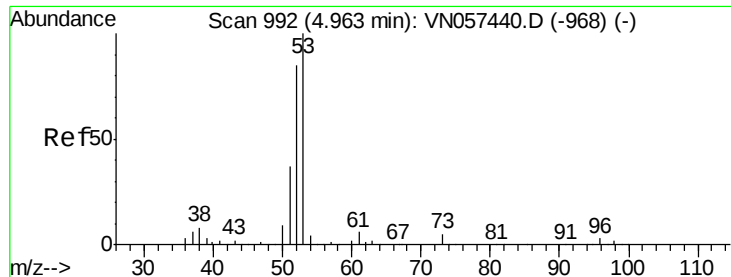


Abundance Ion 41.00 (40.70 to 41.70): VN057460.D (-690) (-)

Ion 39.00 (38.70 to 39.70): VN057460.D (-690) (-)

Ion 75.90 (75.60 to 76.60): VN057460.D (-690) (-)





#15

Acrylonitrile

Concen: 252.343 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

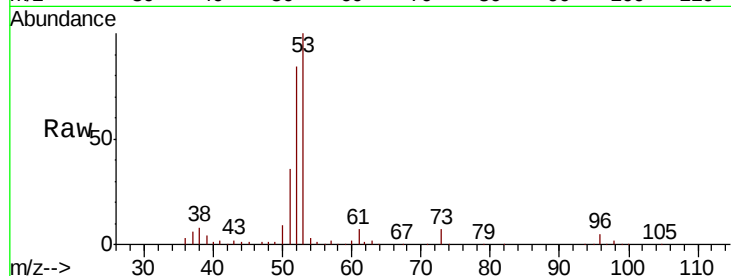
Tgt Ion: 53 Resp: 544374

Ion Ratio Lower Upper

53 100

52 84.1 67.0 100.6

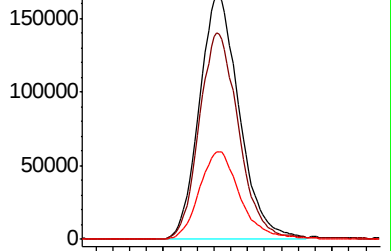
51 37.1 29.9 44.9



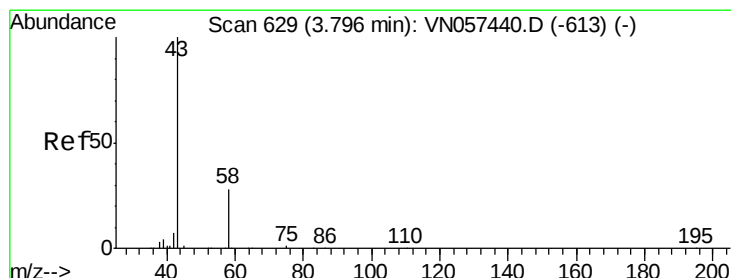
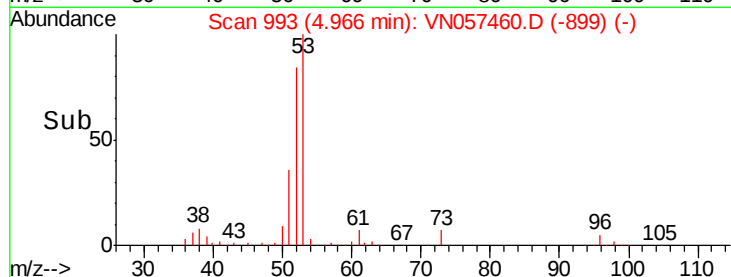
Abundance Ion 53.00 (52.70 to 53.70): VN057440.D (-968) (-)

Ion 52.00 (51.70 to 52.70): VN057440.D (-968) (-)

Ion 51.00 (50.70 to 51.70): VN057440.D (-968) (-)



Time-->



#16

Acetone

Concen: 151.122 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN057460.D

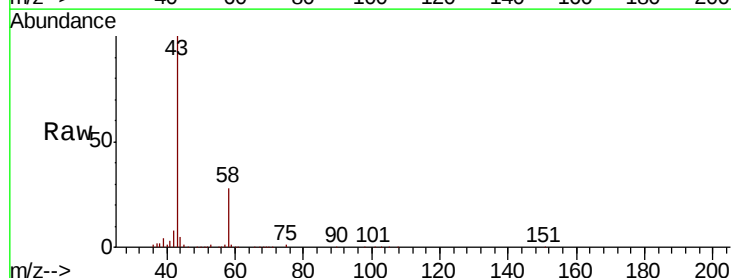
Acq: 23 Aug 2019 3:13

Tgt Ion: 43 Resp: 446825

Ion Ratio Lower Upper

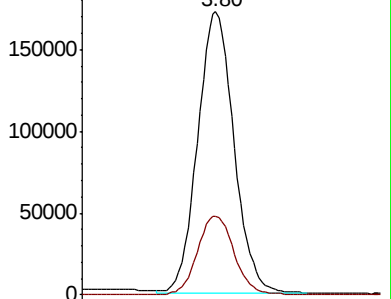
43 100

58 27.9 22.1 33.1

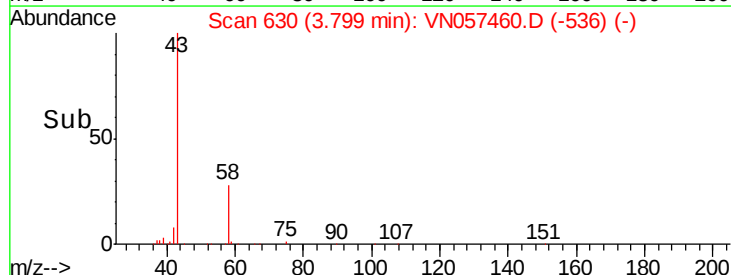


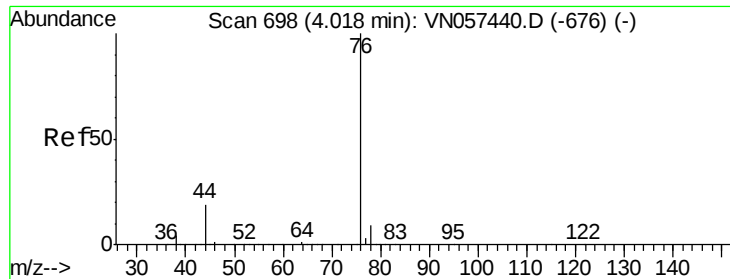
Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-613) (-)

Ion 58.00 (57.70 to 58.70): VN057440.D (-613) (-)



Time-->

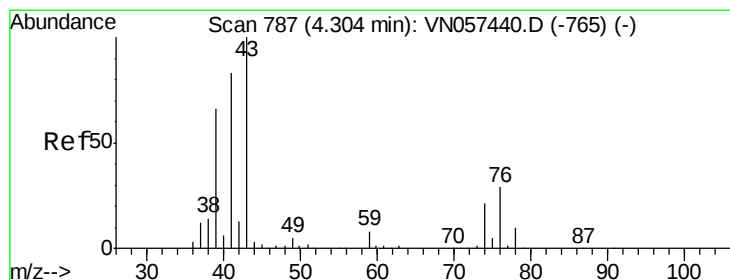
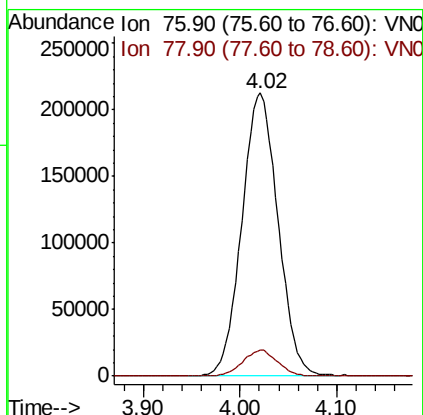
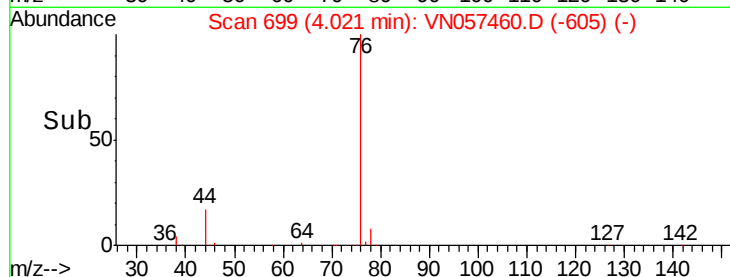
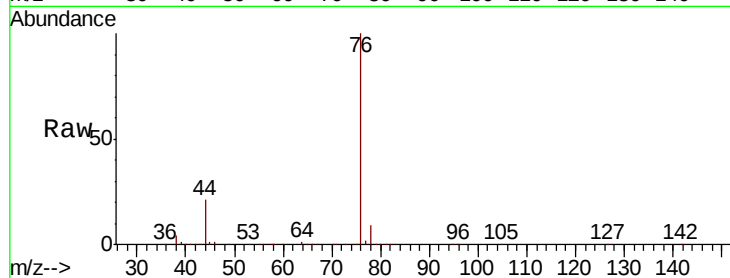




#17
Carbon Disulfide
Concen: 46.494 ug/l
RT: 4.02 min Scan# 699
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

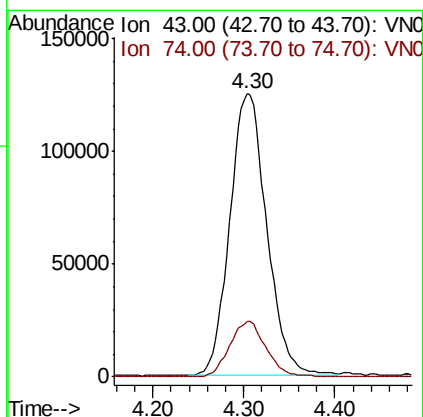
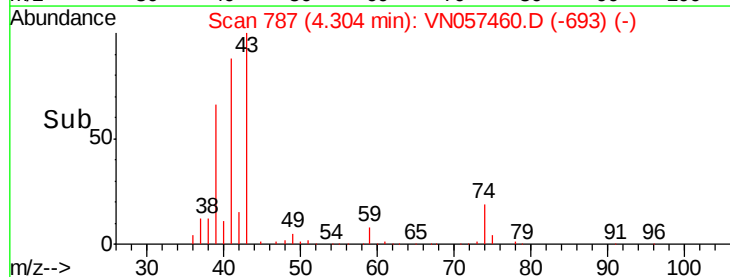
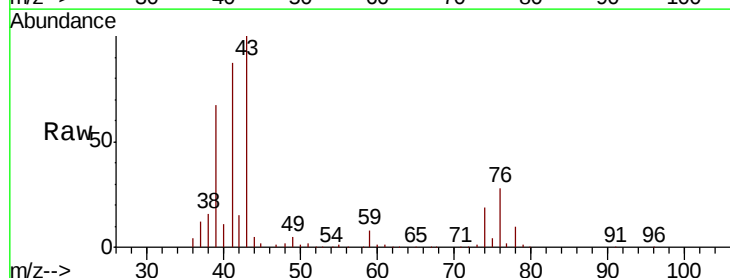
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

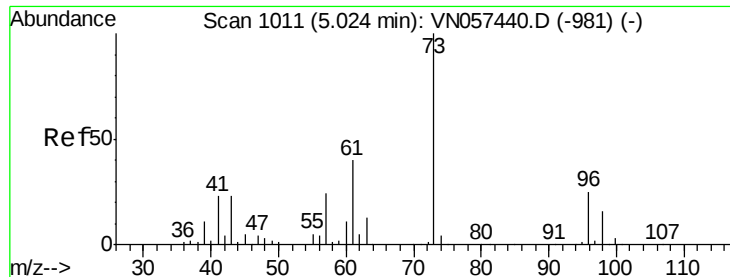
Tgt Ion: 76 Resp: 552505
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 55.504 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 43 Resp: 353485
Ion Ratio Lower Upper
43 100
74 19.4 15.9 23.9

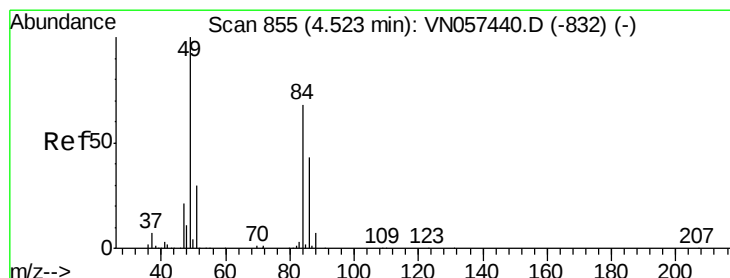
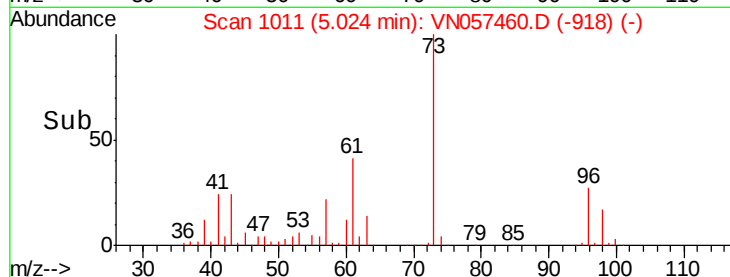
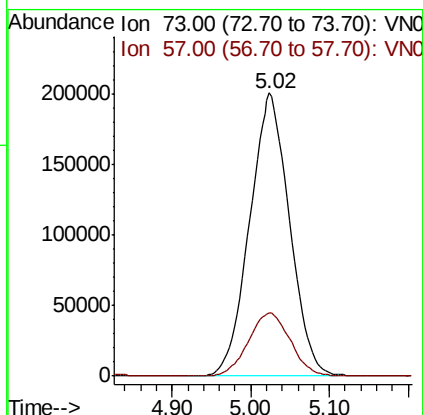
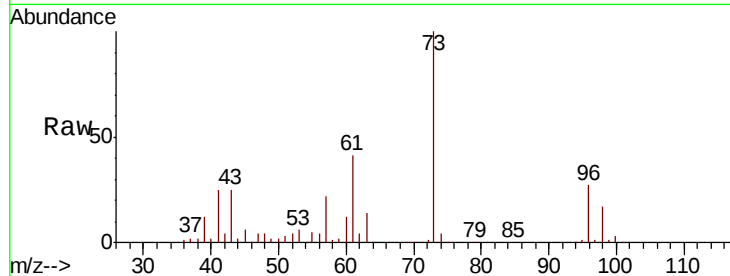




#19
Methyl tert-butyl Ether
Concen: 47.500 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

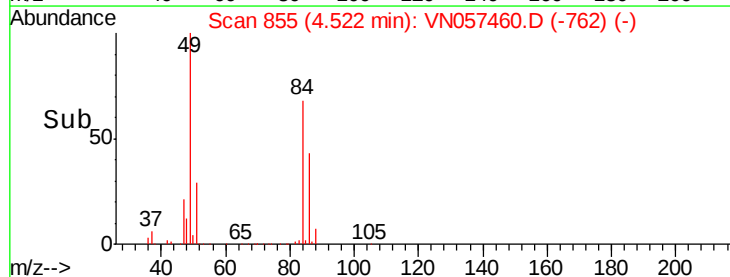
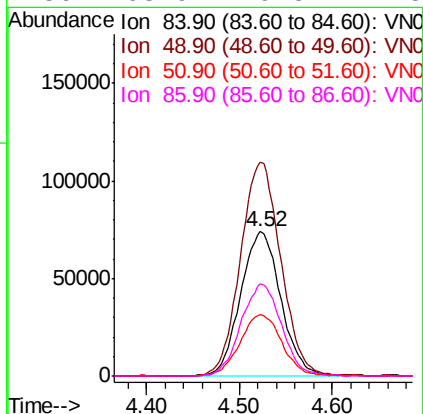
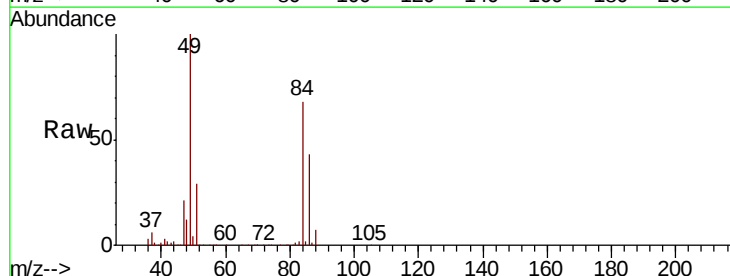
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

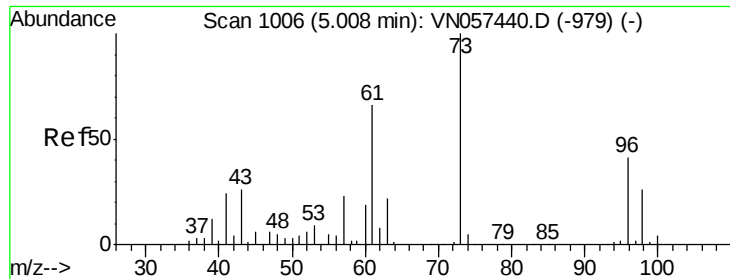
Tgt Ion: 73 Resp: 714306
Ion Ratio Lower Upper
73 100
57 22.2 19.1 28.7



#20
Methylene Chloride
Concen: 50.730 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 84 Resp: 222384
Ion Ratio Lower Upper
84 100
49 148.1 117.0 175.4
51 42.2 35.5 53.3
86 63.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 46.785 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

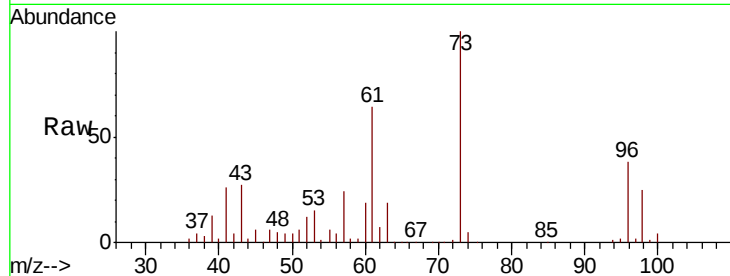
Tgt Ion: 96 Resp: 205669

Ion Ratio Lower Upper

96 100

61 166.1 127.9 191.9

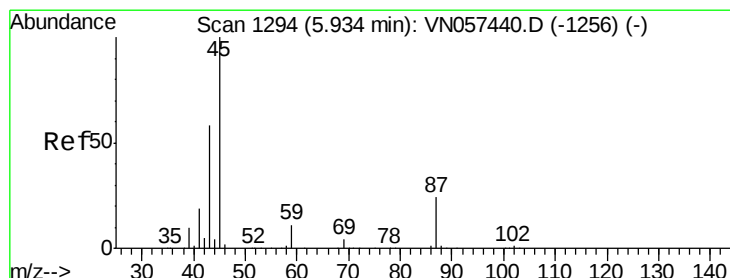
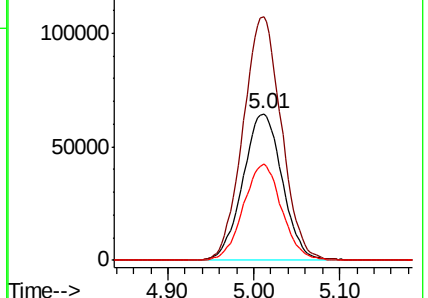
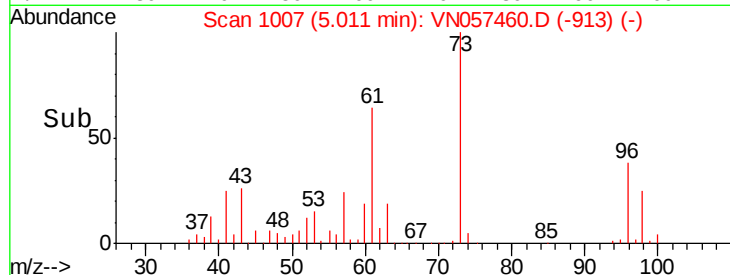
98 65.4 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN057460.D (-979) (-)

Ion 60.90 (60.60 to 61.60): VN057460.D (-979) (-)

Ion 97.90 (97.60 to 98.60): VN057460.D (-979) (-)



#22

Diisopropyl ether

Concen: 50.666 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion: 45 Resp: 895525

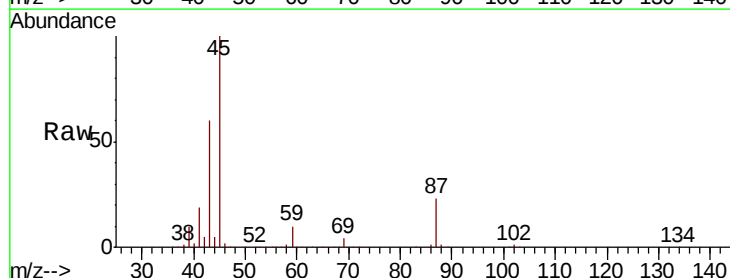
Ion Ratio Lower Upper

45 100

43 59.8 46.9 70.3

87 22.8 19.3 28.9

59 10.2 8.7 13.1

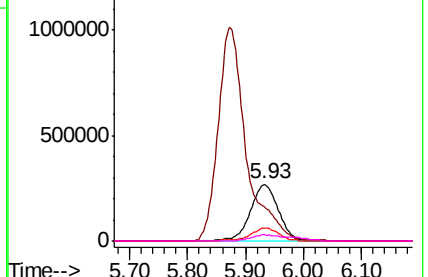
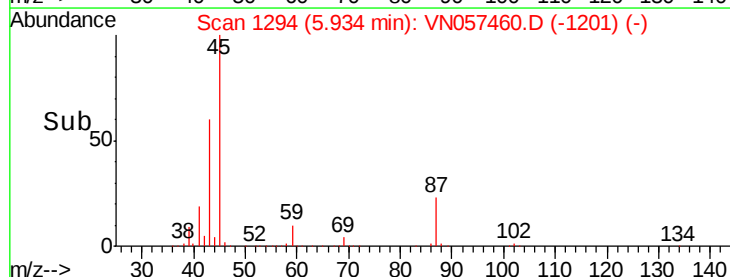


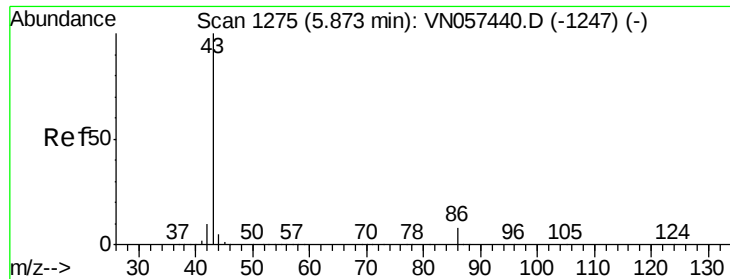
Abundance Ion 45.00 (44.70 to 45.70): VN057460.D (-1201) (-)

Ion 43.00 (42.70 to 43.70): VN057460.D (-1201) (-)

Ion 87.00 (86.70 to 87.70): VN057460.D (-1201) (-)

Ion 59.00 (58.70 to 59.70): VN057460.D (-1201) (-)





#23

Vinyl Acetate

Concen: 246.184 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

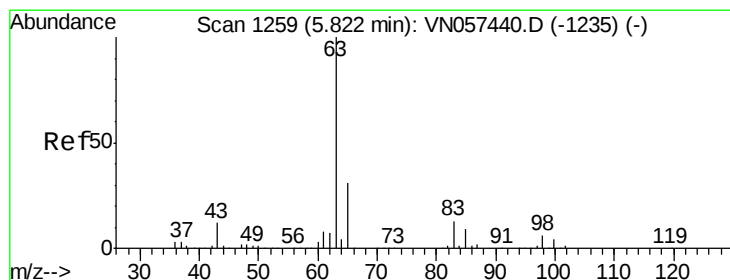
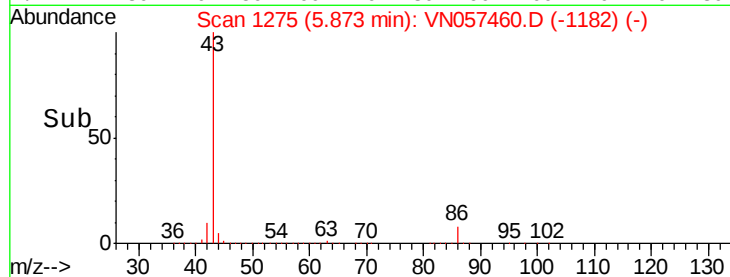
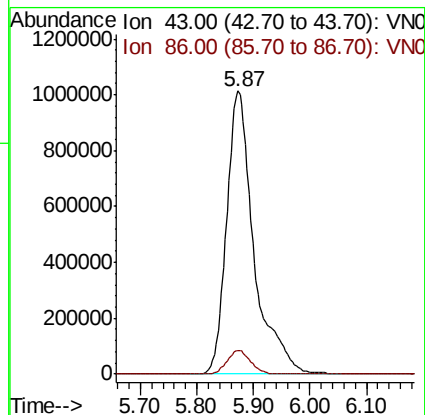
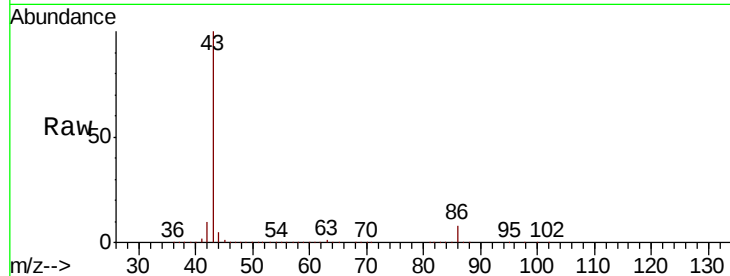
VSTDCCC050EC

Tgt Ion: 43 Resp: 3398691

Ion Ratio Lower Upper

43 100

86 8.5 6.7 10.1



#24

1,1-Dichloroethane

Concen: 48.537 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

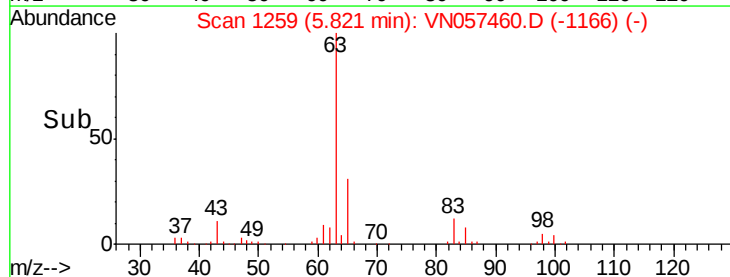
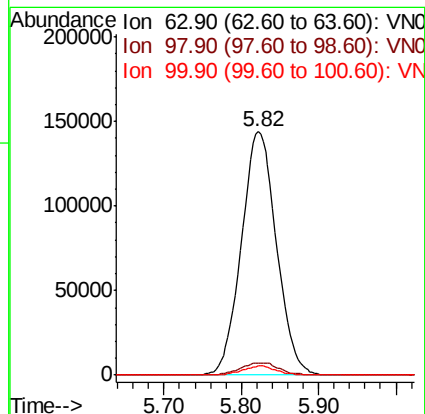
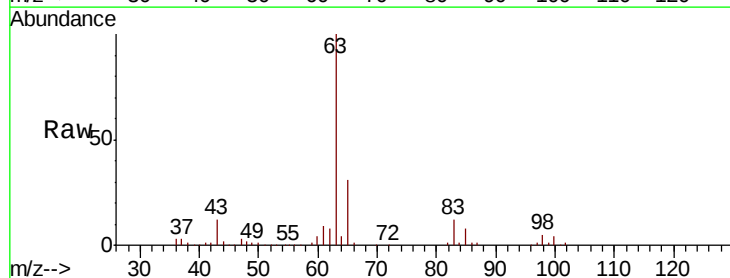
Tgt Ion: 63 Resp: 454659

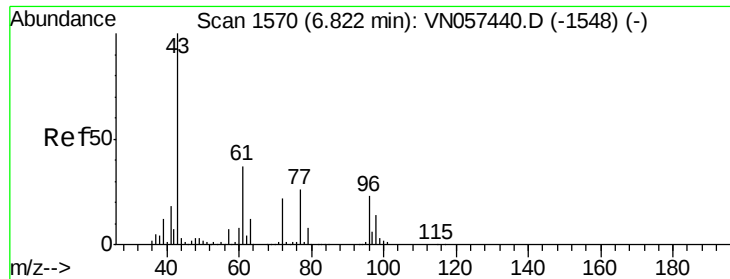
Ion Ratio Lower Upper

63 100

98 5.0 2.9 8.6

100 3.7 2.1 6.3

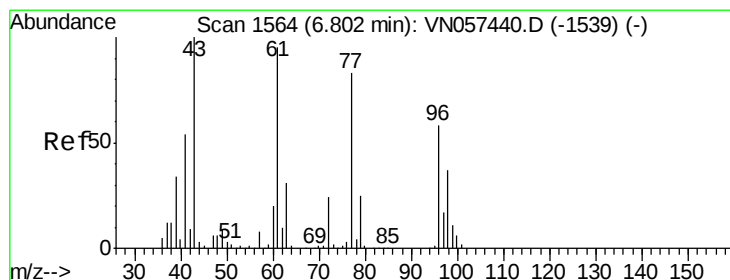
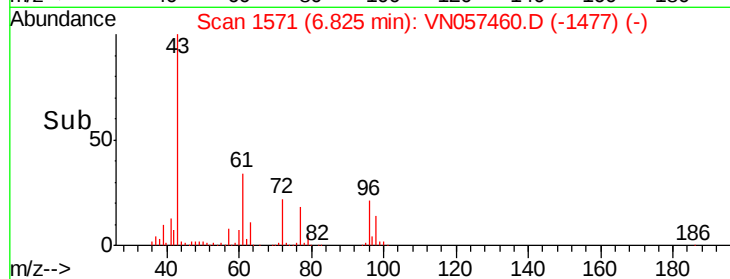
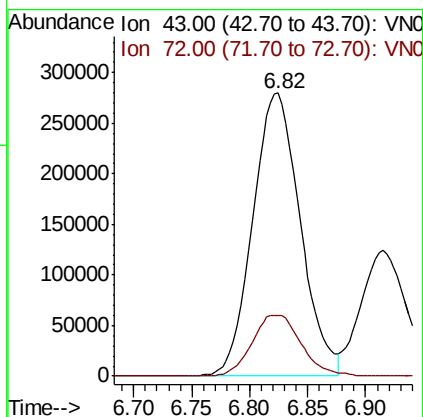
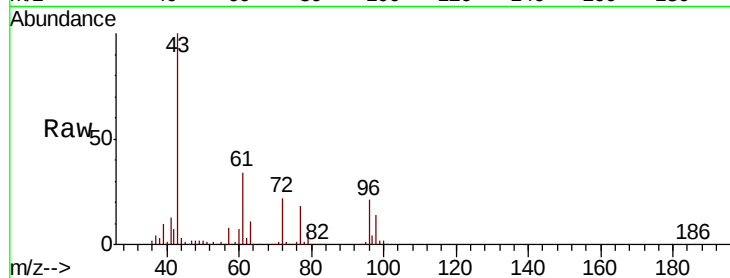




#25
2-Butanone
Concen: 247.244 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

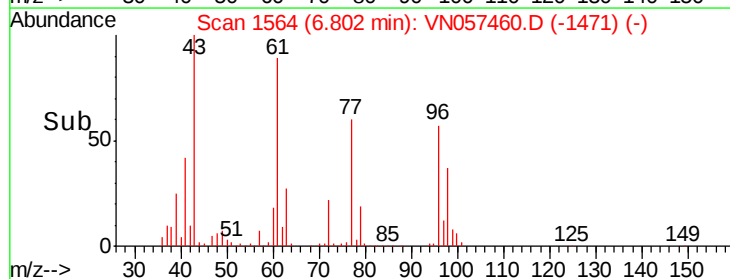
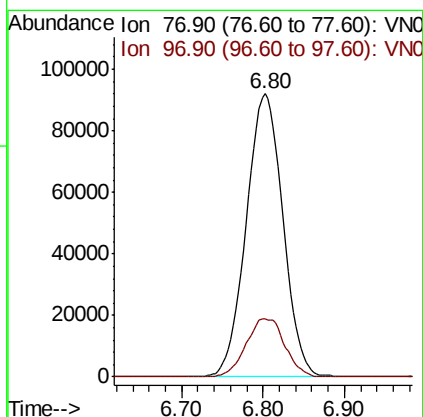
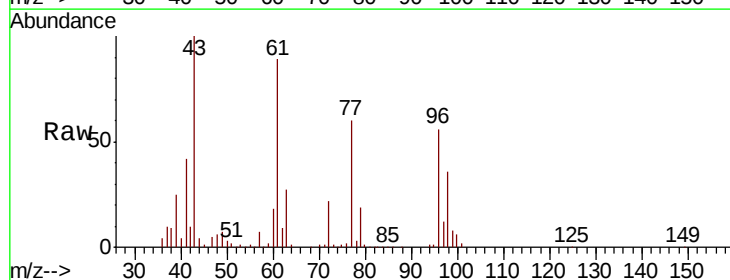
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

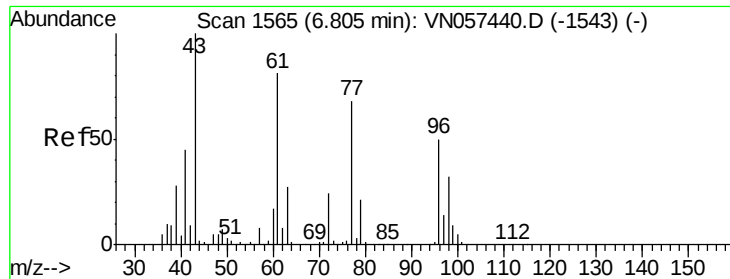
Tgt Ion: 43 Resp: 793805
Ion Ratio Lower Upper
43 100
72 21.7 17.8 26.8



#26
2,2-Dichloropropane
Concen: 35.250 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 77 Resp: 285947
Ion Ratio Lower Upper
77 100
97 21.7 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 48.132 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

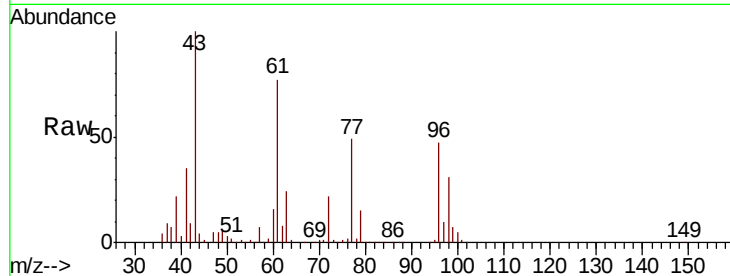
Tgt Ion: 96 Resp: 250824

Ion Ratio Lower Upper

96 100

61 164.2 0.0 334.8

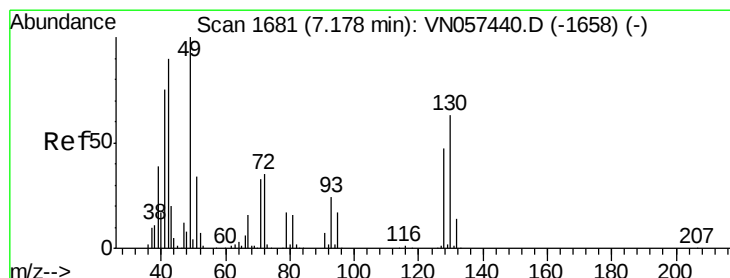
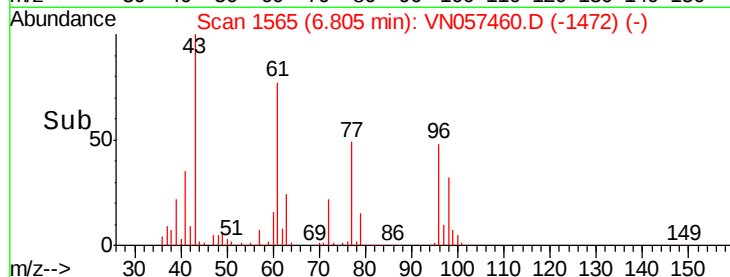
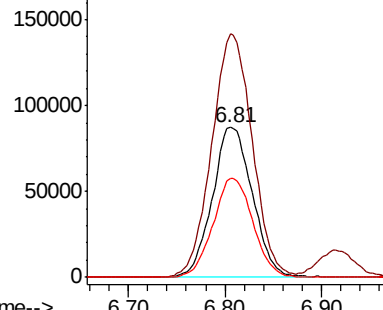
98 65.9 0.0 127.4



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: 53.412 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

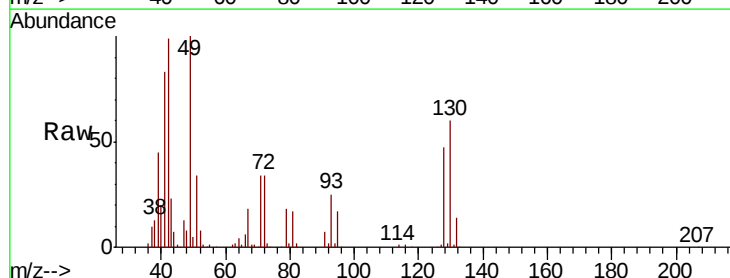
Tgt Ion: 49 Resp: 269435

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

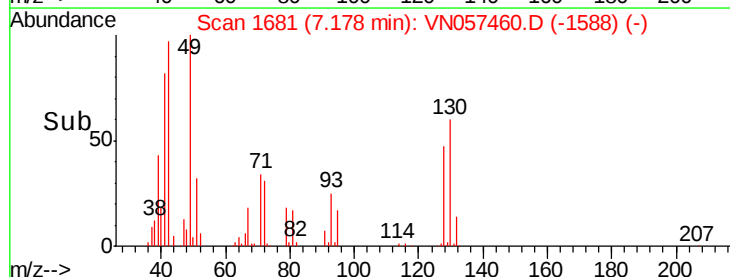
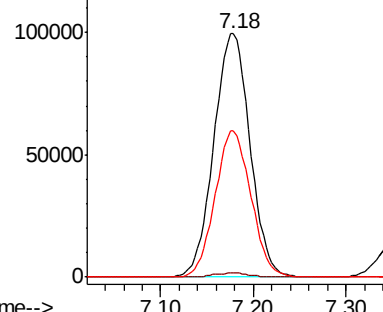
130 59.5 48.6 72.8

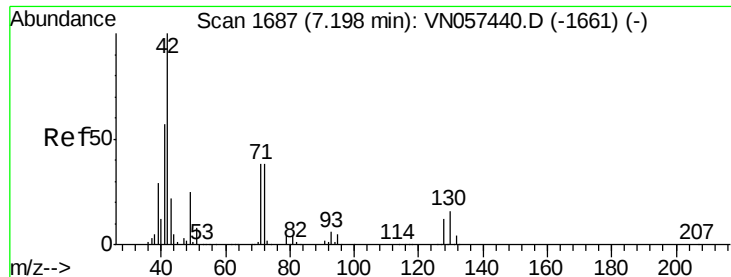


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

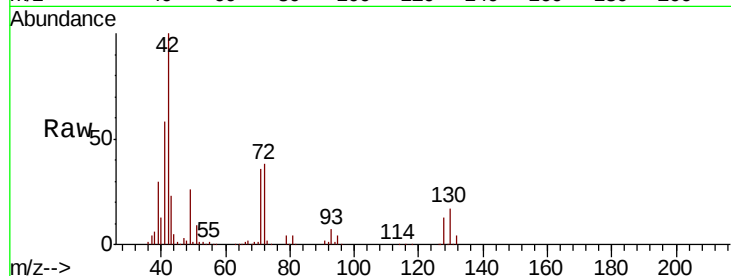




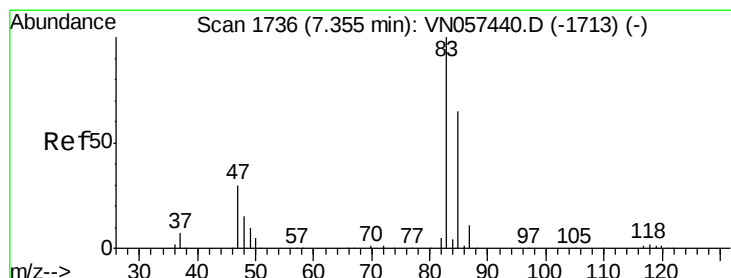
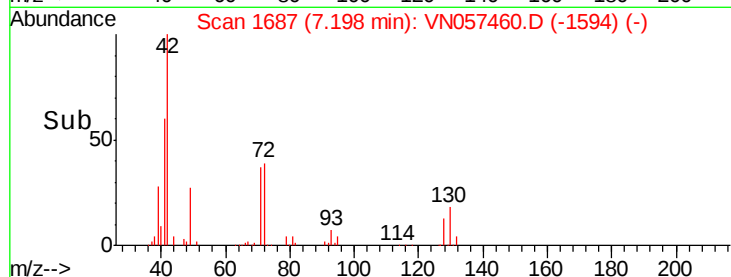
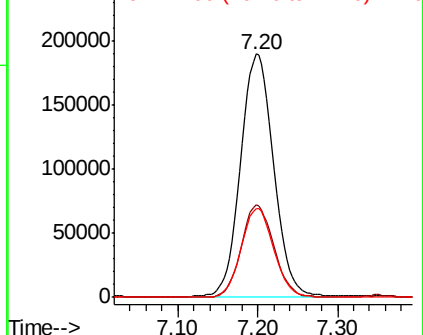
#29
Tetrahydrofuran
Concen: 250.311 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 529926
Ion Ratio Lower Upper
42 100
72 37.6 30.1 45.1
71 36.2 28.8 43.2

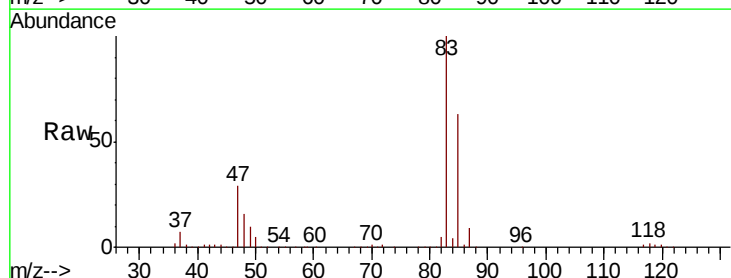


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

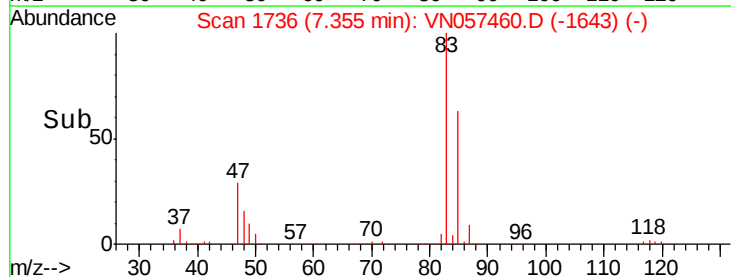
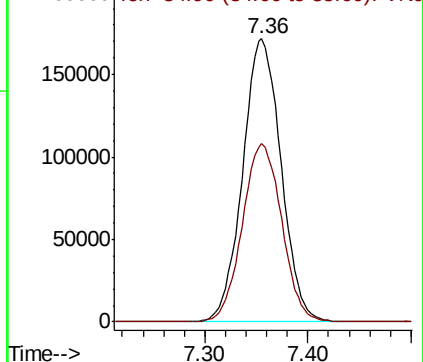


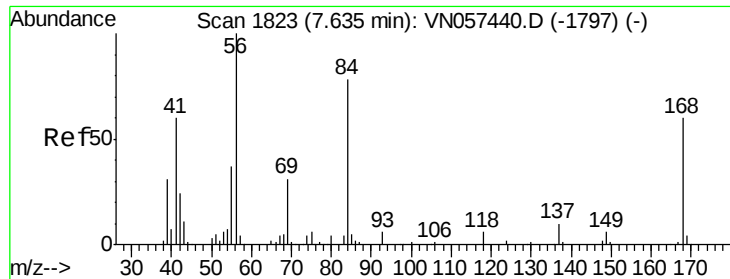
#30
Chloroform
Concen: 51.045 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 83 Resp: 443626
Ion Ratio Lower Upper
83 100
85 62.8 51.9 77.9



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

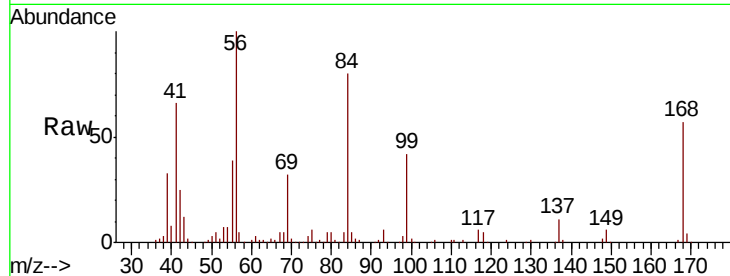




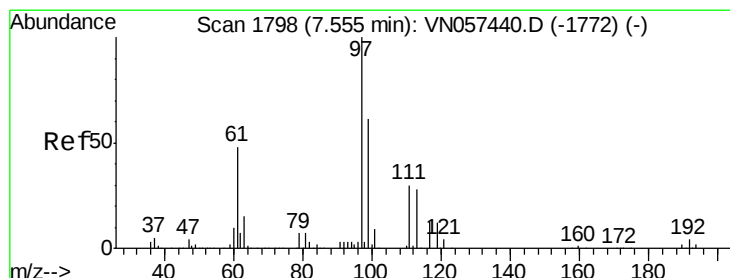
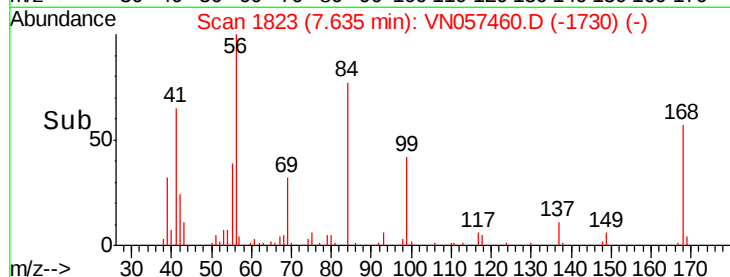
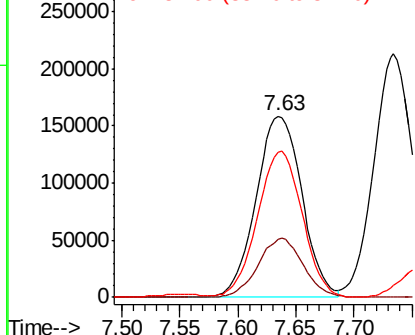
#31
Cyclohexane
Concen: 48.285 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 436692
Ion Ratio Lower Upper
56 100
69 32.0 25.0 37.6
84 78.6 62.5 93.7

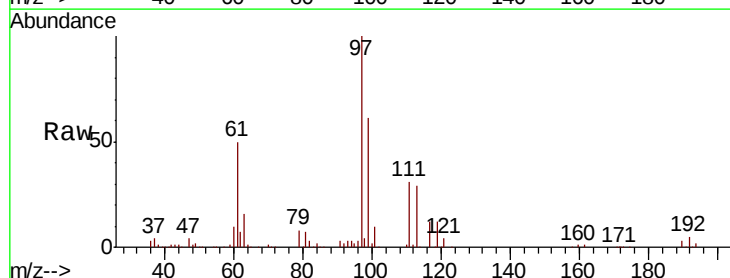


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

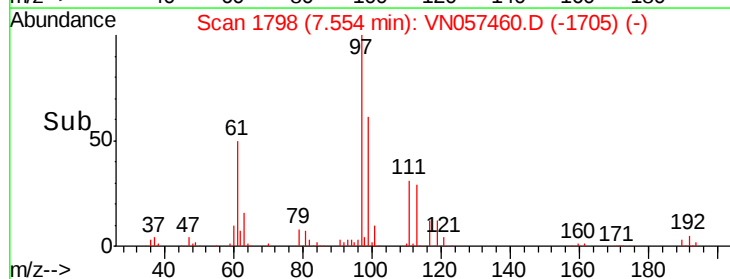
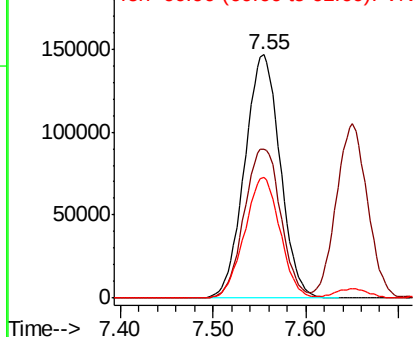


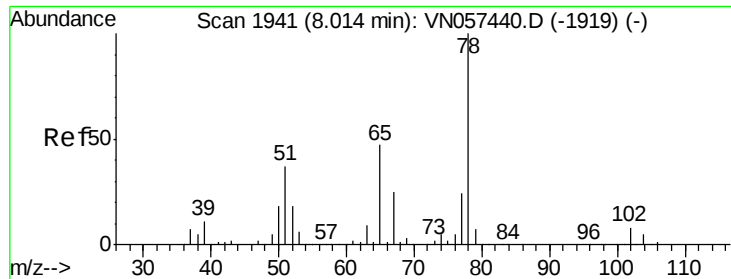
#32
1,1,1-Trichloroethane
Concen: 48.567 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 97 Resp: 390253
Ion Ratio Lower Upper
97 100
99 63.4 51.0 76.6
61 49.7 39.8 59.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 52.276 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

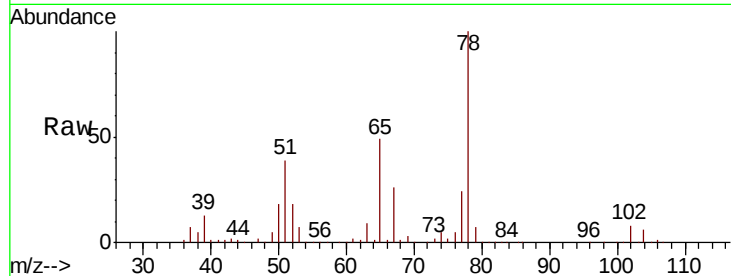
VSTDCCC050EC

Tgt Ion: 65 Resp: 336569

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN057440.D (-1919) (-)

Ion 66.90 (66.60 to 67.60): VN057440.D (-1919) (-)

8.01

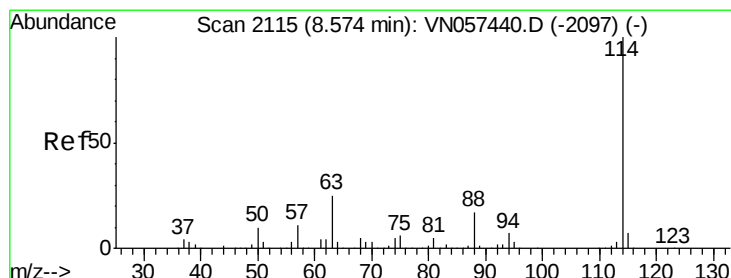
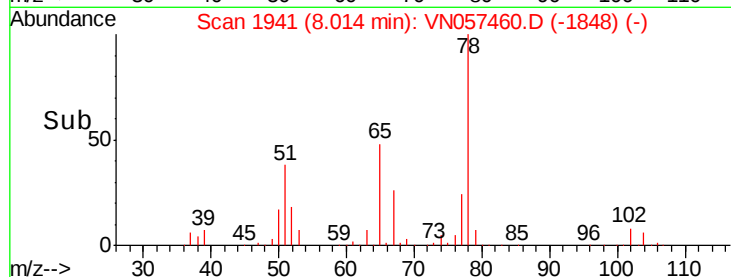
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

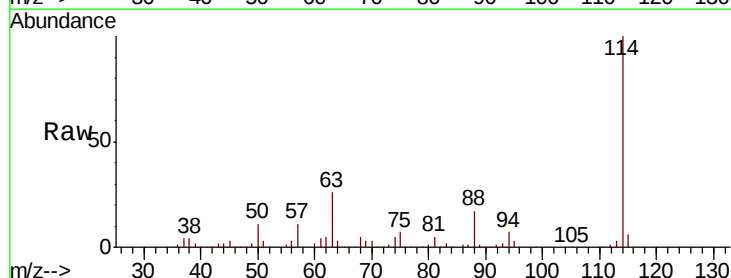
Tgt Ion: 114 Resp: 698793

Ion Ratio Lower Upper

114 100

63 25.8 0.0 50.2

88 16.9 0.0 34.6



Abundance Ion 113.90 (113.60 to 114.60): VN057440.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN057440.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN057440.D (-2097) (-)

8.57

400000

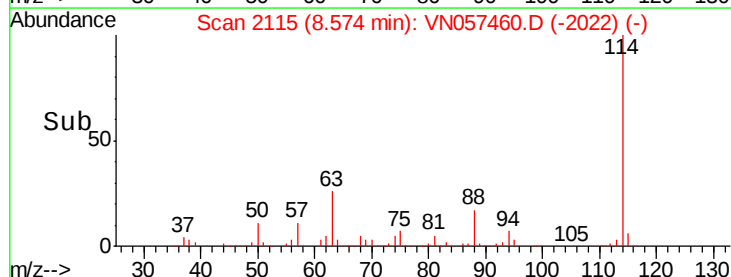
300000

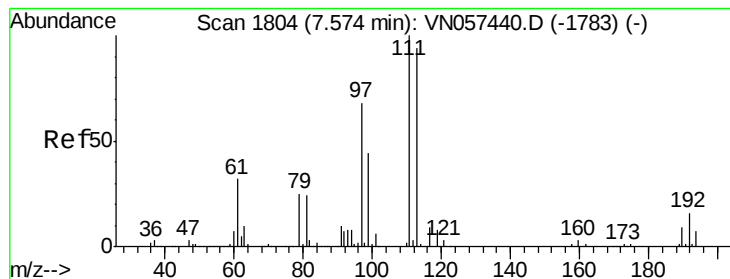
200000

100000

0

Time--> 8.45 8.50 8.55 8.60 8.65





#35

Dibromofluoromethane

Concen: 49.128 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

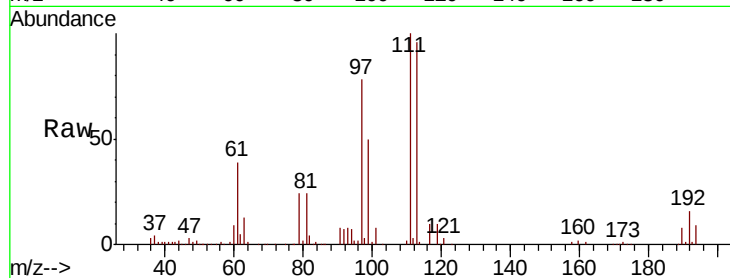
Tgt Ion: 113 Resp: 231887

Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

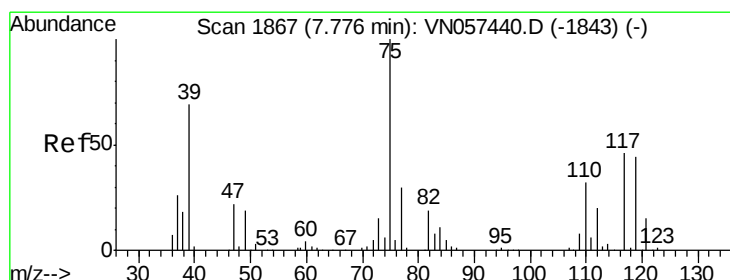
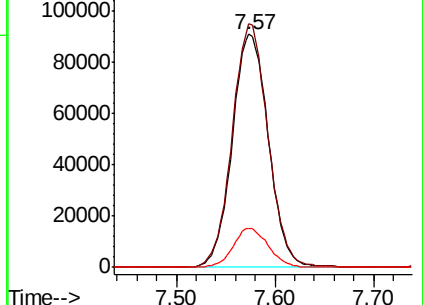
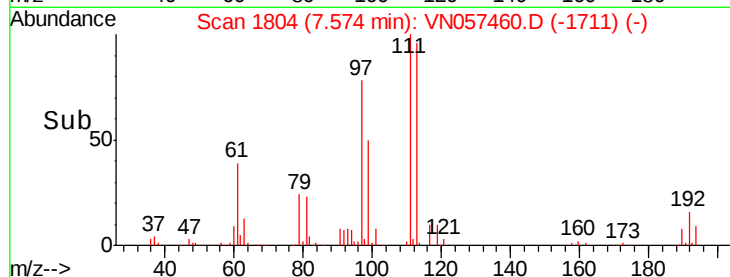
192 16.3 13.5 20.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 46.064 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

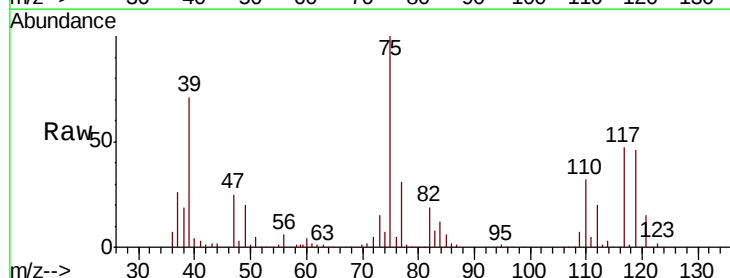
Tgt Ion: 75 Resp: 328910

Ion Ratio Lower Upper

75 100

110 31.7 16.1 48.3

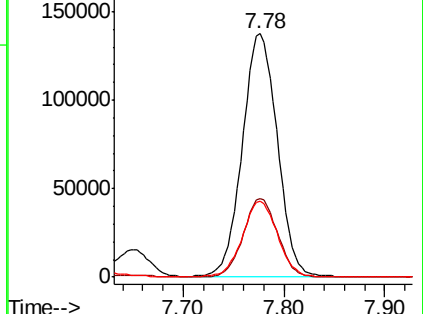
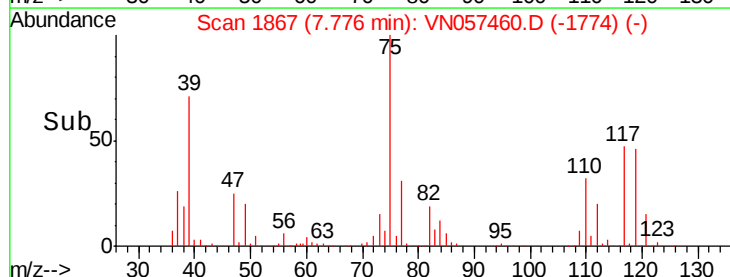
77 31.7 24.8 37.2

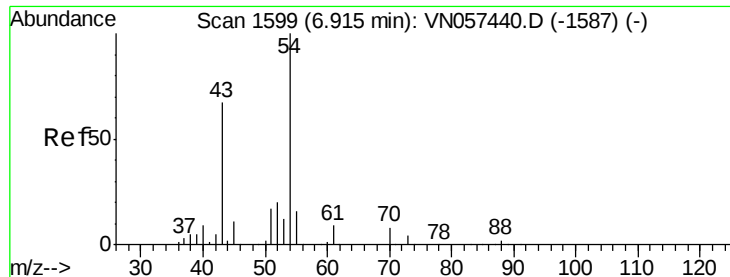


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

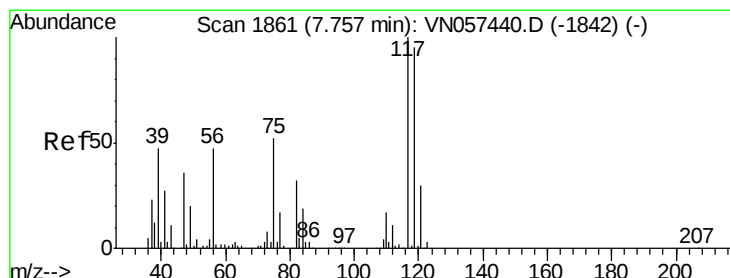
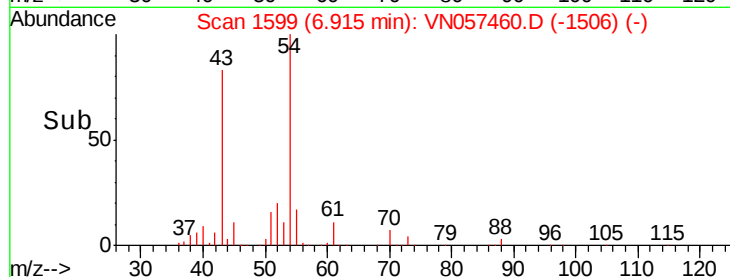
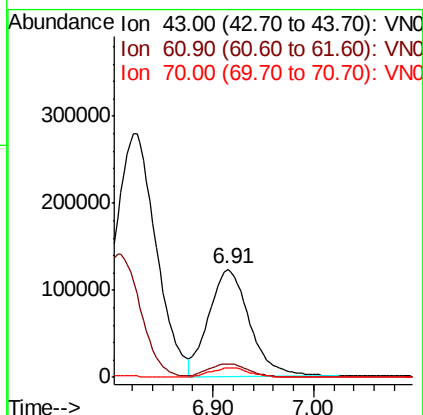
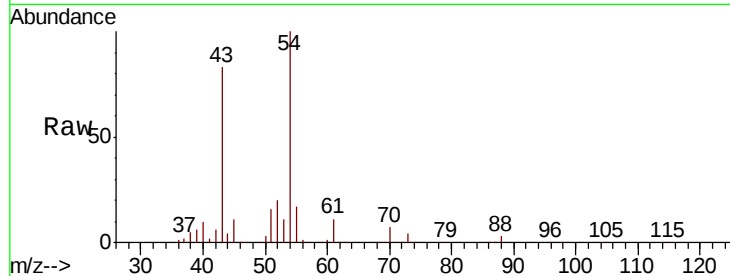




#37
Ethyl Acetate
Concen: 49.049 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

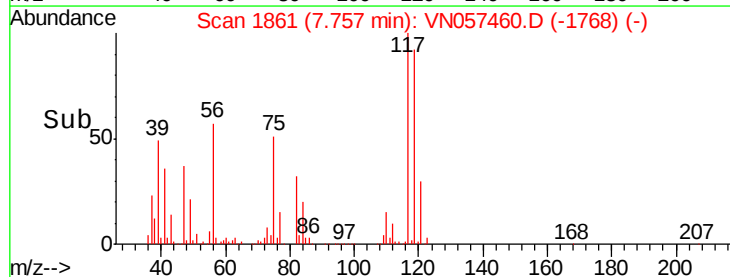
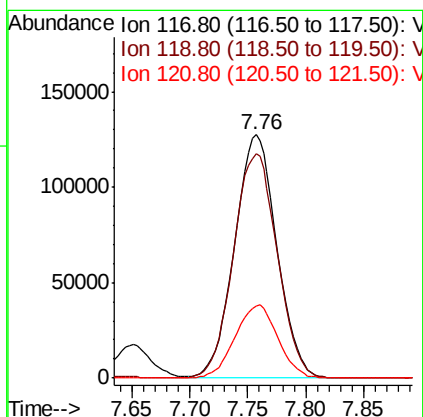
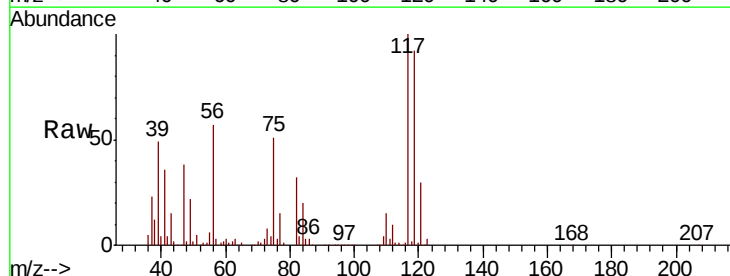
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

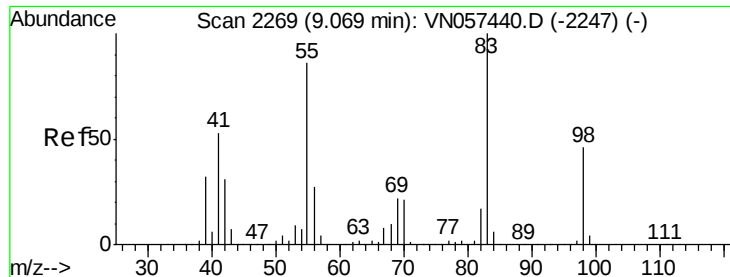
Tgt Ion: 43 Resp: 346070
Ion Ratio Lower Upper
43 100
61 12.1 9.9 14.9
70 8.7 7.0 10.6



#38
Carbon Tetrachloride
Concen: 45.191 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 117 Resp: 320560
Ion Ratio Lower Upper
117 100
119 92.3 76.2 114.4
121 29.9 23.8 35.6

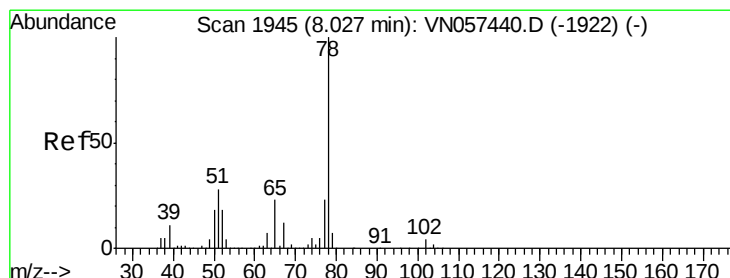
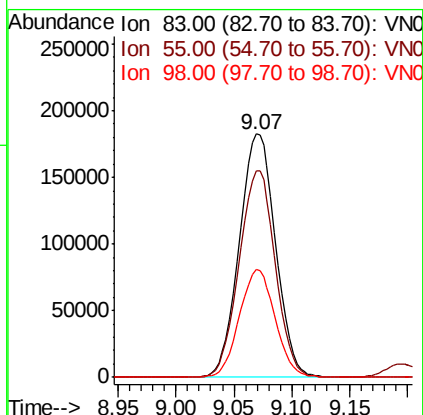
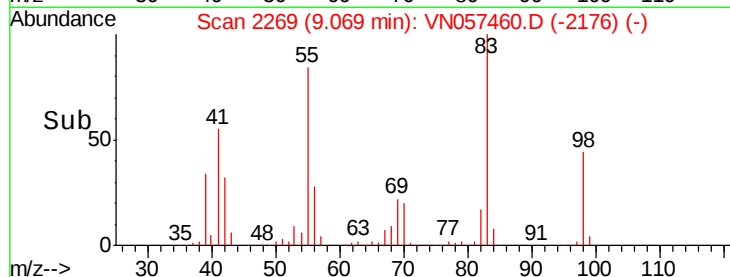
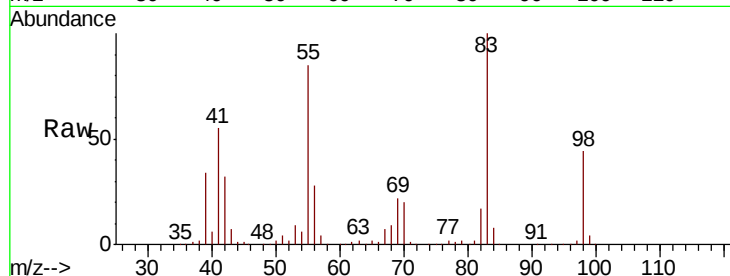




#39
Methylcyclohexane
Concen: 46.865 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

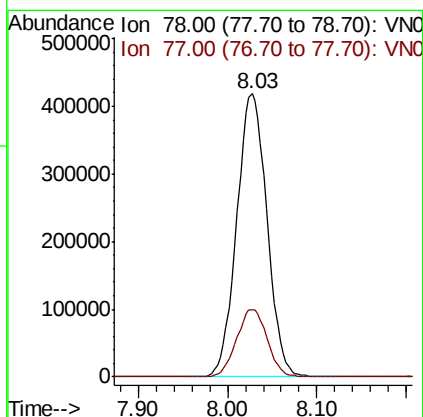
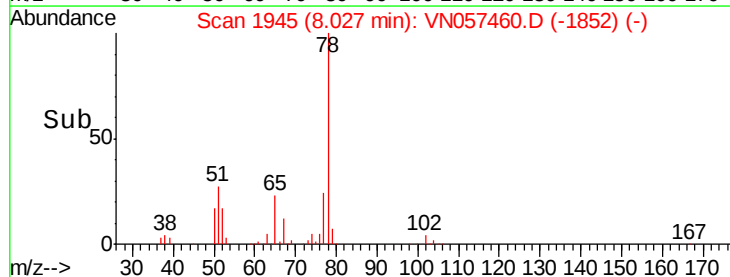
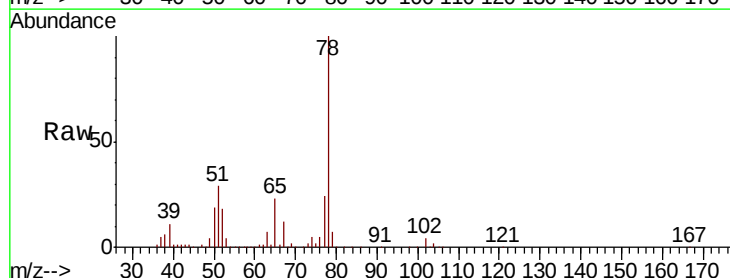
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

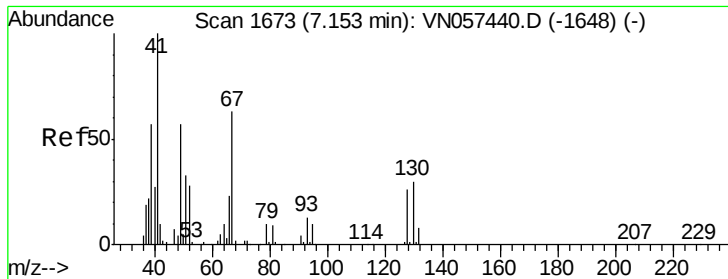
Tgt Ion: 83 Resp: 397420
Ion Ratio Lower Upper
83 100
55 84.5 68.6 102.8
98 44.4 36.6 54.8



#40
Benzene
Concen: 46.048 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 78 Resp: 986852
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7





#41

Methacrylonitrile

Concen: 55.643 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 187203

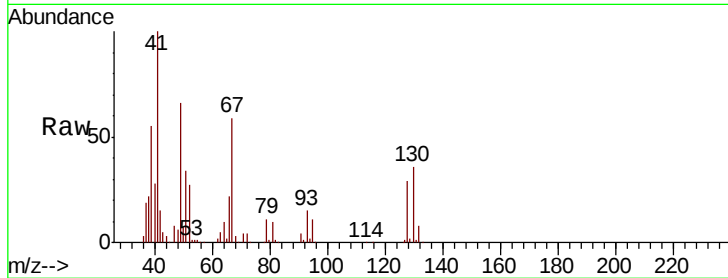
Ion Ratio Lower Upper

41 100

39 56.6 53.6 80.4

67 66.4 65.4 98.2

52 29.9 29.8 44.6

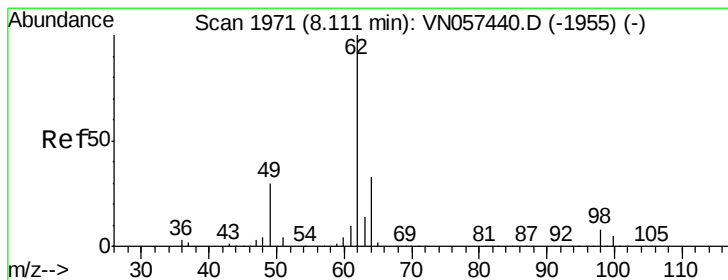
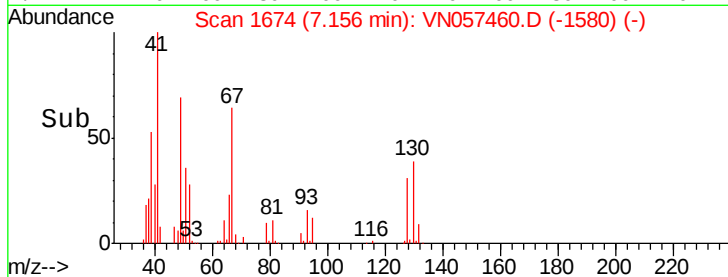
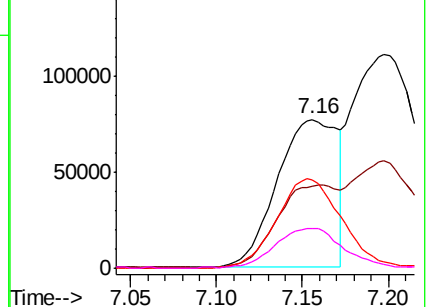


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 46.540 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057460.D

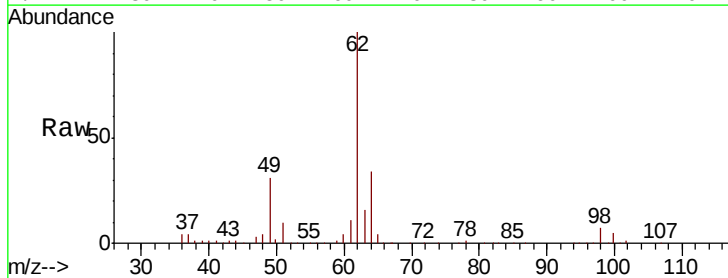
Acq: 23 Aug 2019 3:13

Tgt Ion: 62 Resp: 384034

Ion Ratio Lower Upper

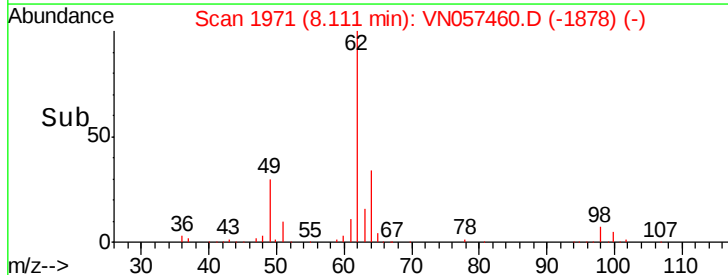
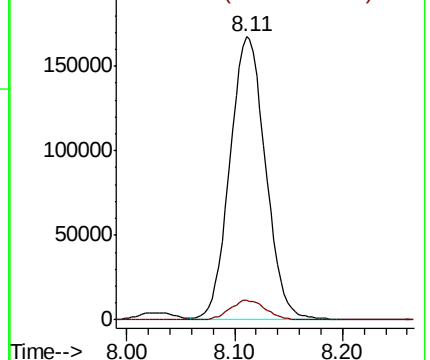
62 100

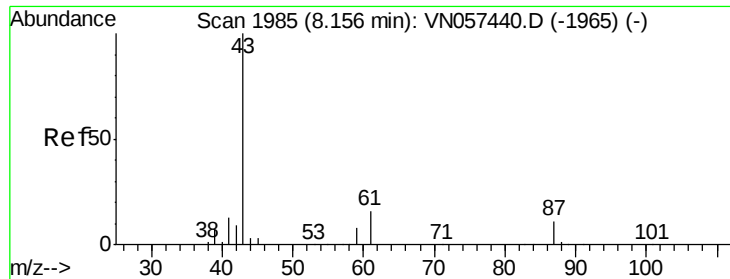
98 7.0 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 46.816 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

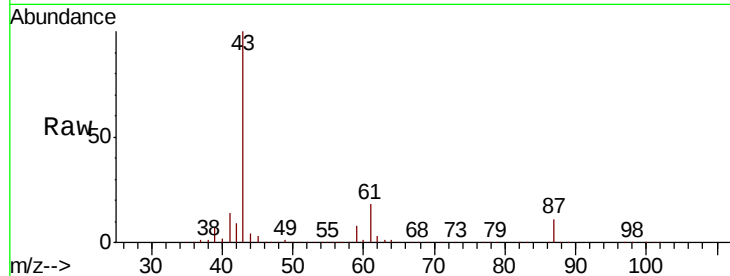
Tgt Ion: 43 Resp: 605666

Ion Ratio Lower Upper

43 100

61 18.2 14.5 21.7

87 11.2 8.6 12.8

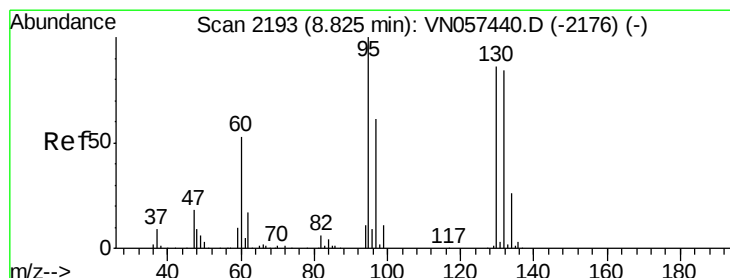
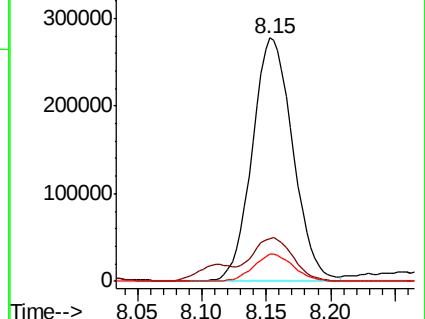
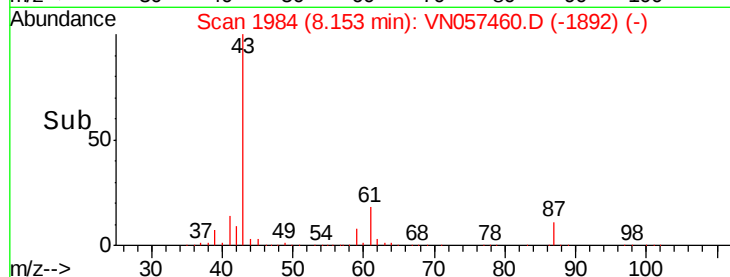


Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN057440.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN057440.D (-1965) (-)

Time-->



#44

Trichloroethene

Concen: 46.961 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057460.D

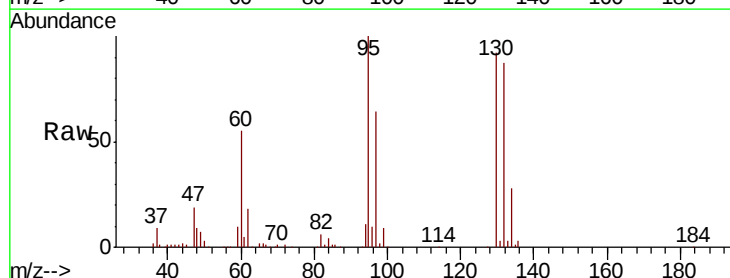
Acq: 23 Aug 2019 3:13

Tgt Ion: 130 Resp: 224660

Ion Ratio Lower Upper

130 100

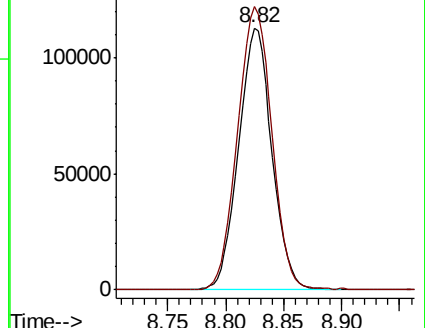
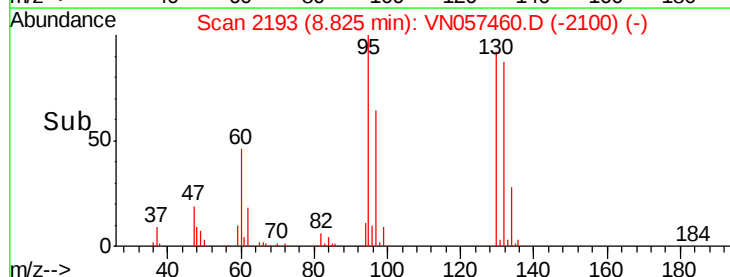
95 108.2 0.0 231.6

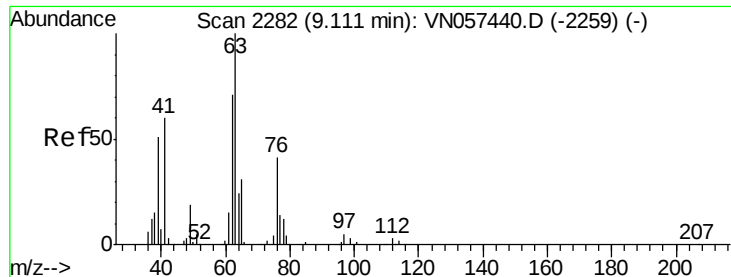


Abundance Ion 129.80 (129.50 to 130.50): VN057440.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN057440.D (-2176) (-)

Time-->

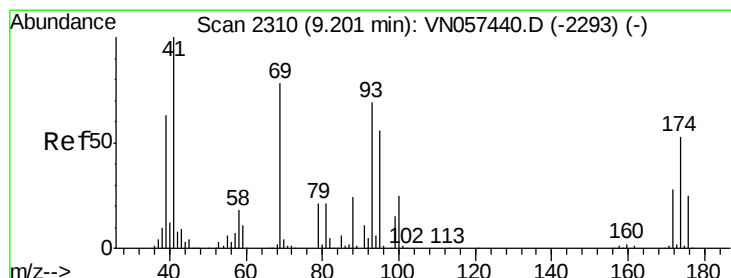
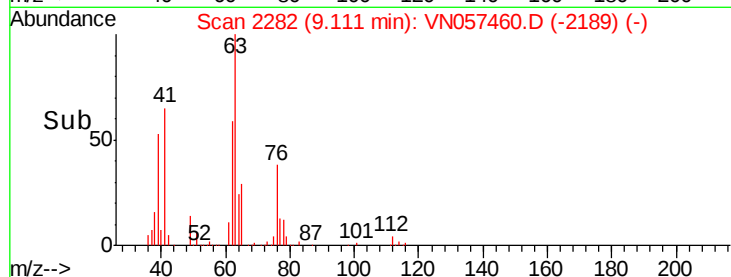
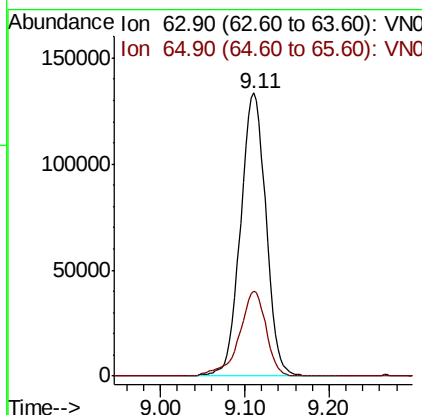
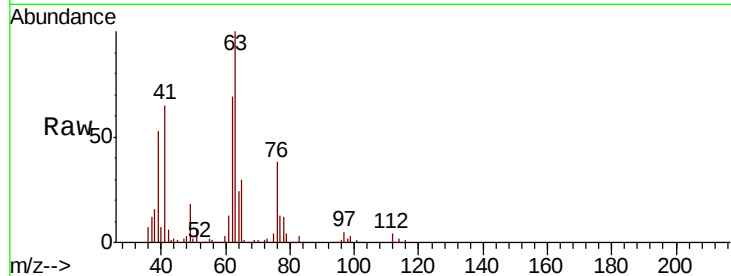




#45
 1,2-Dichloropropane
 Concen: 46.535 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

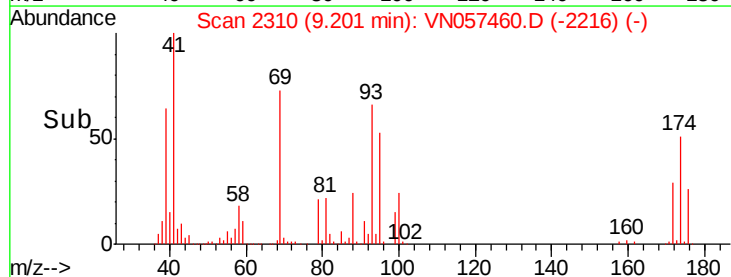
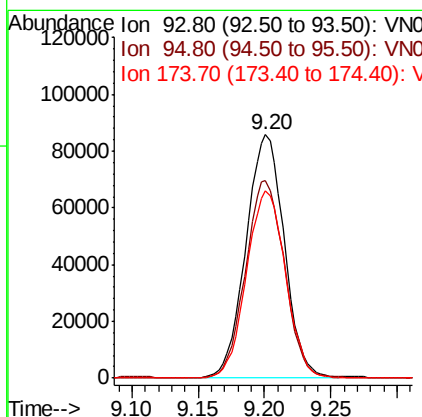
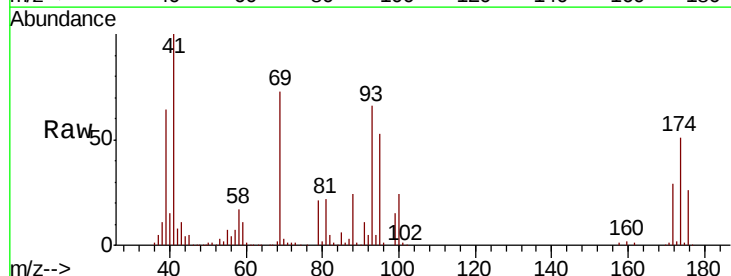
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

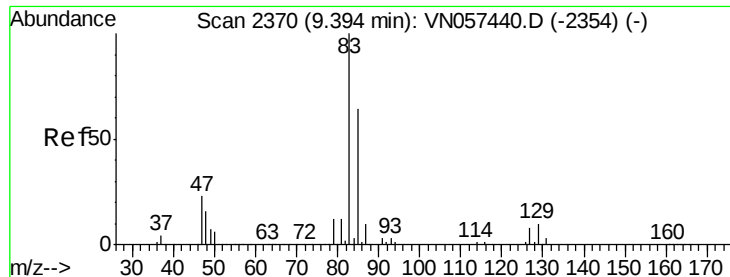
Tgt Ion: 63 Resp: 280867
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.7 37.1



#46
 Dibromomethane
 Concen: 48.890 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion: 93 Resp: 172928
 Ion Ratio Lower Upper
 93 100
 95 82.6 64.7 97.1
 174 78.2 62.3 93.5





#47

Bromodichloromethane

Concen: 45.838 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

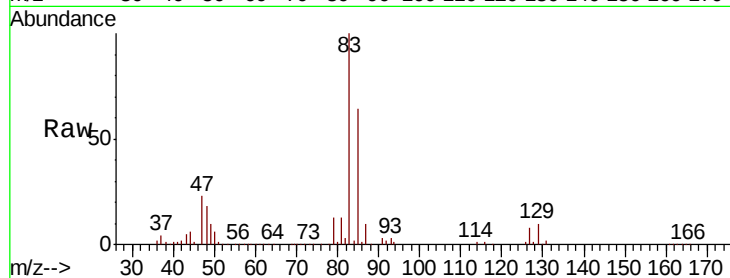
Tgt Ion: 83 Resp: 364990

Ion Ratio Lower Upper

83 100

85 63.9 51.2 76.8

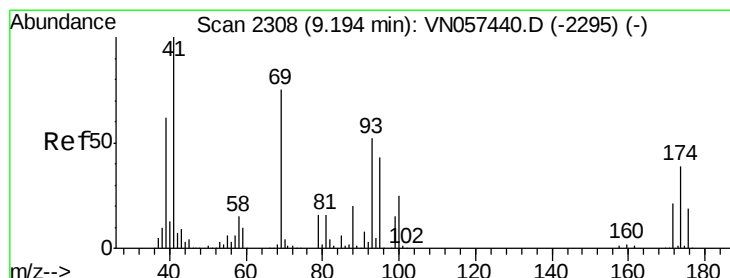
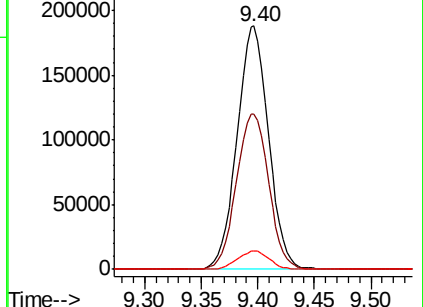
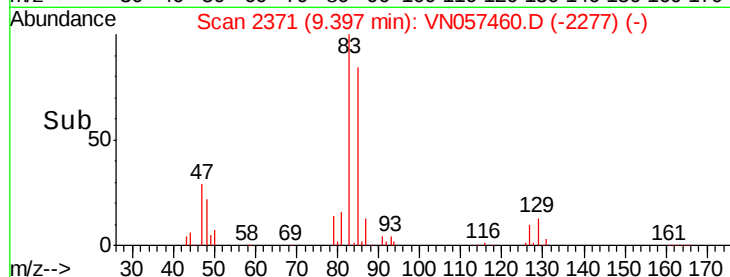
127 7.6 6.6 10.0



Abundance Ion 82.90 (82.60 to 83.60): VN057460.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN057460.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN057460.D (-2277) (-)



#48

Methyl methacrylate

Concen: 48.274 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

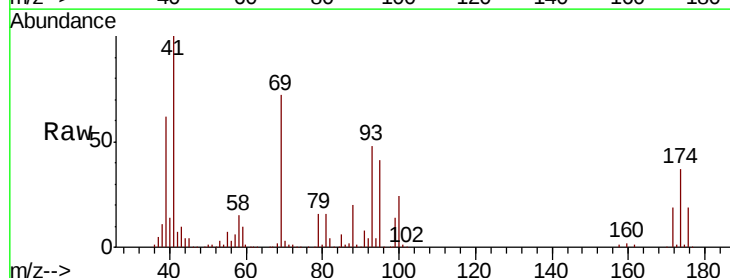
Tgt Ion: 41 Resp: 296976

Ion Ratio Lower Upper

41 100

69 72.7 59.3 88.9

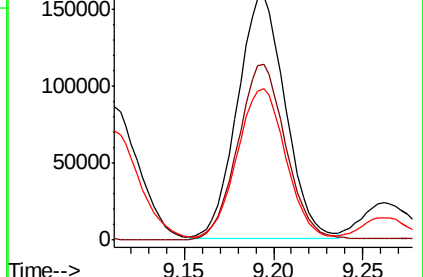
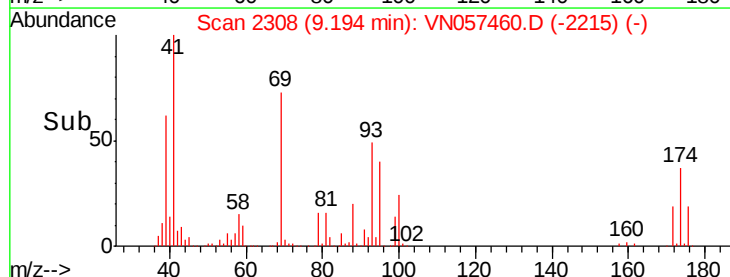
39 63.1 50.6 75.8

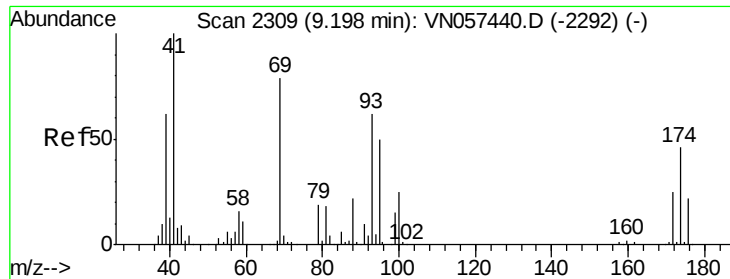


Abundance Ion 41.00 (40.70 to 41.70): VN057460.D (-2215) (-)

Ion 69.00 (68.70 to 69.70): VN057460.D (-2215) (-)

Ion 39.00 (38.70 to 39.70): VN057460.D (-2215) (-)

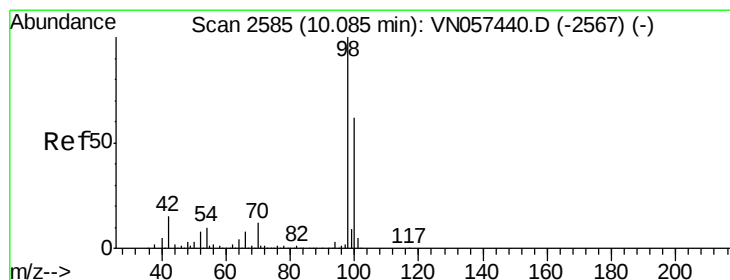
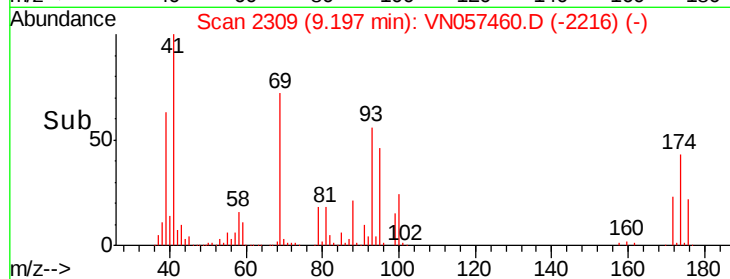
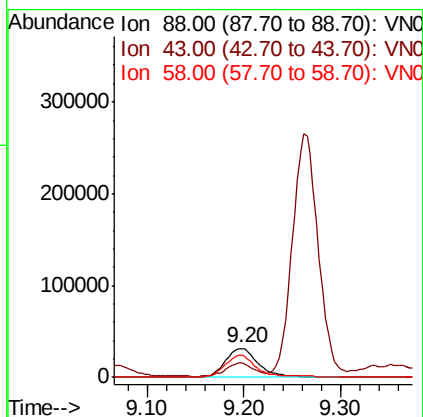
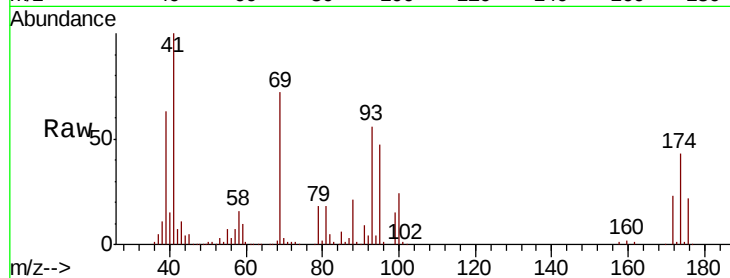




#49
 1,4-Dioxane
 Concen: 949.407 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

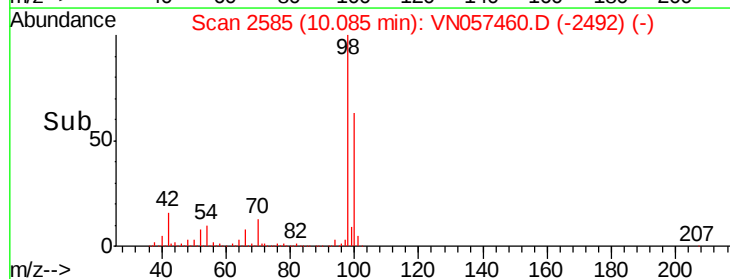
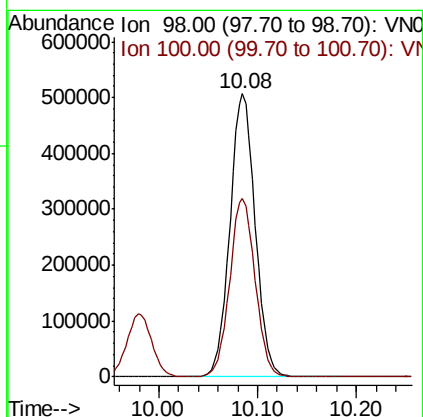
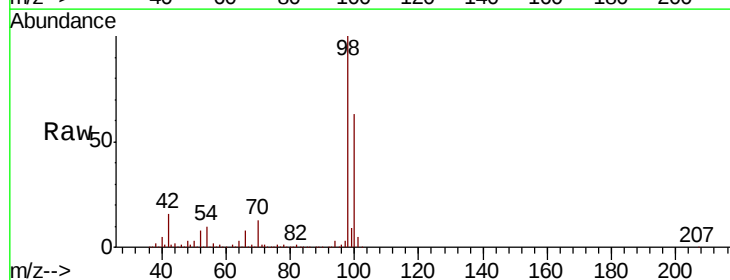
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

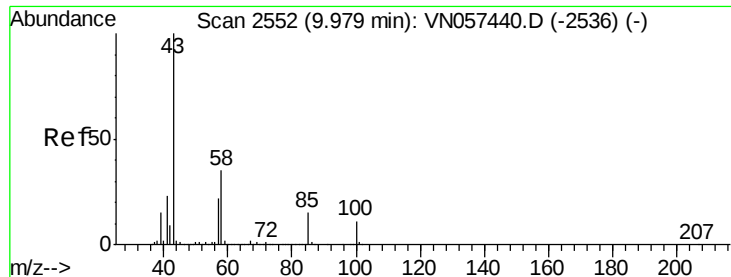
Tgt Ion: 88 Resp: 75528
 Ion Ratio Lower Upper
 88 100
 43 38.1 31.0 46.6
 58 70.5 64.5 96.7



#50
 Toluene-d8
 Concen: 50.792 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion: 98 Resp: 906504
 Ion Ratio Lower Upper
 98 100
 100 63.2 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 244.217 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

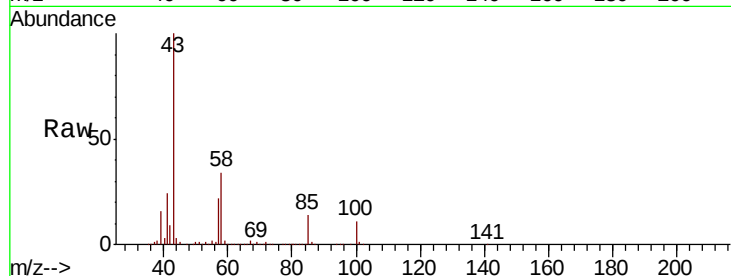
VSTDCCC050EC

Tgt Ion: 43 Resp: 1760830

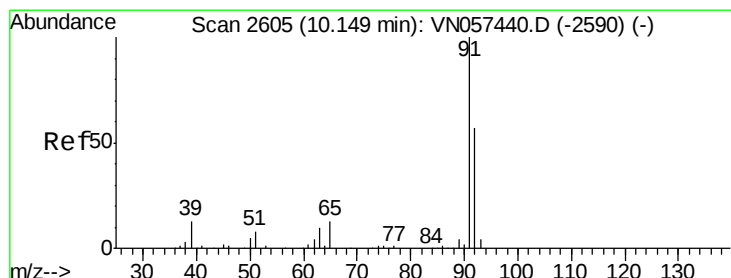
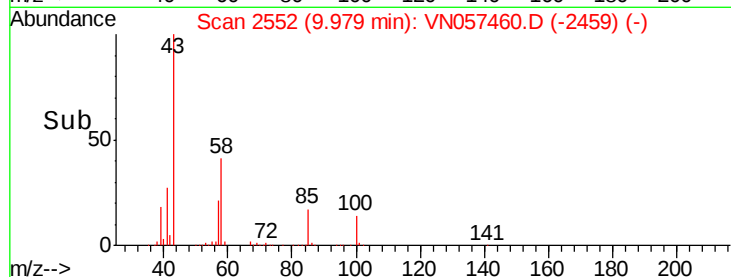
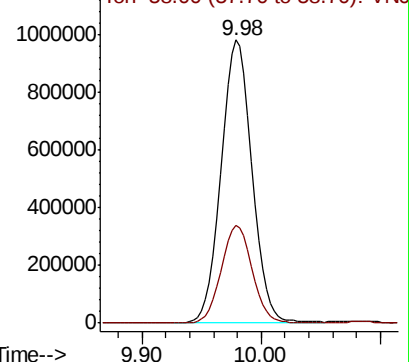
Ion Ratio Lower Upper

43 100

58 34.9 27.9 41.9



Abundance Ion 43.00 (42.70 to 43.70): VN057440.D (-2536) (-)



#52

Toluene

Concen: 48.975 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057460.D

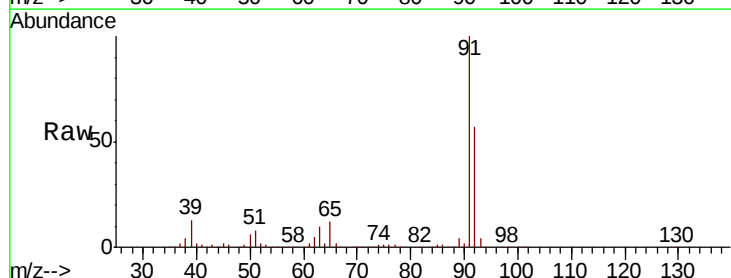
Acq: 23 Aug 2019 3:13

Tgt Ion: 92 Resp: 604931

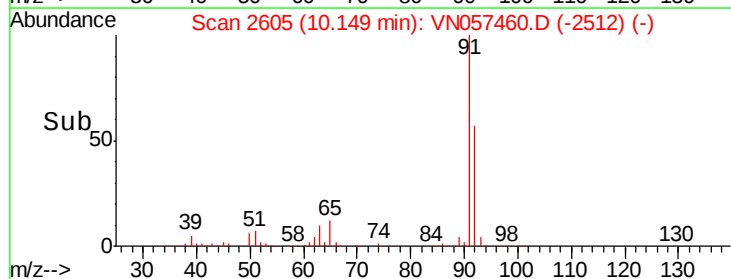
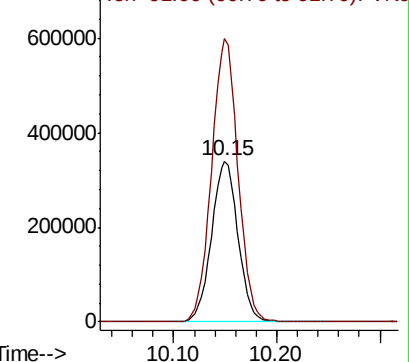
Ion Ratio Lower Upper

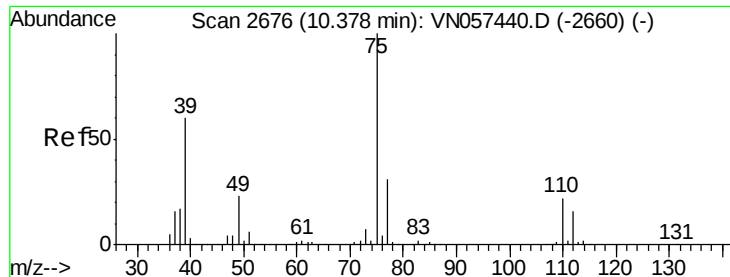
92 100

91 175.9 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN057440.D (-2590) (-)





#53

t-1,3-Dichloropropene

Concen: 44.826 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

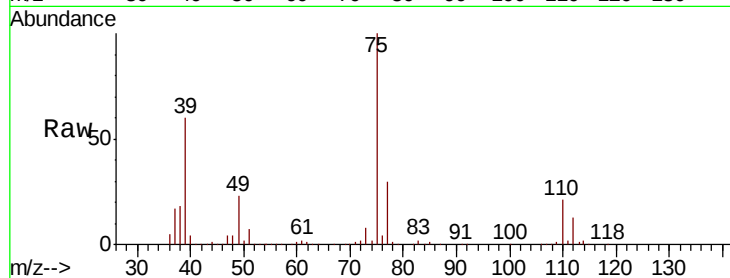
VSTDCCC050EC

Tgt Ion: 75 Resp: 373877

Ion Ratio Lower Upper

75 100

77 29.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN057460.D (-2583) (-)

Ion 76.90 (76.60 to 77.60): VN057460.D (-2583) (-)

10.38

200000

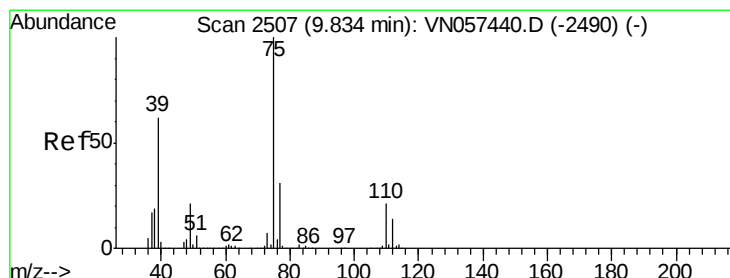
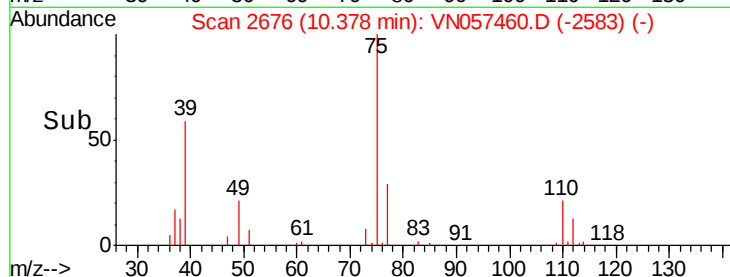
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 43.451 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

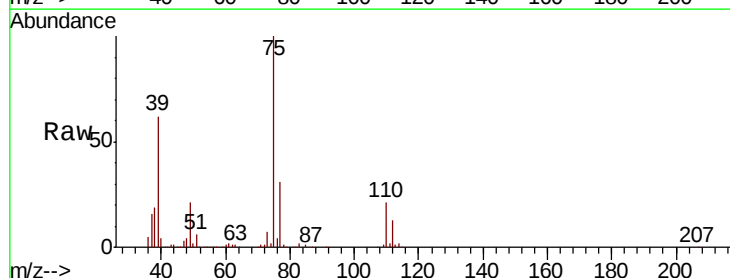
Tgt Ion: 75 Resp: 403505

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6

39 61.4 49.2 73.8



Abundance Ion 74.90 (74.60 to 75.60): VN057460.D (-2414) (-)

Ion 76.90 (76.60 to 77.60): VN057460.D (-2414) (-)

Ion 39.00 (38.70 to 39.70): VN057460.D (-2414) (-)

9.83

300000

250000

200000

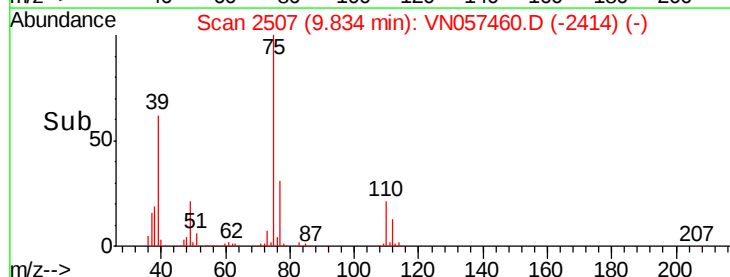
150000

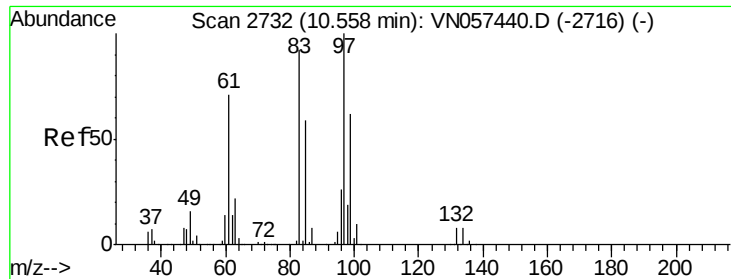
100000

50000

0

Time-->

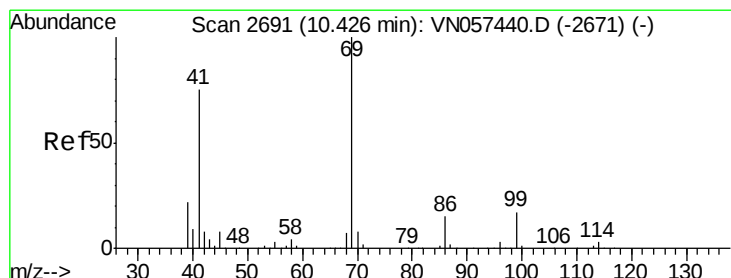
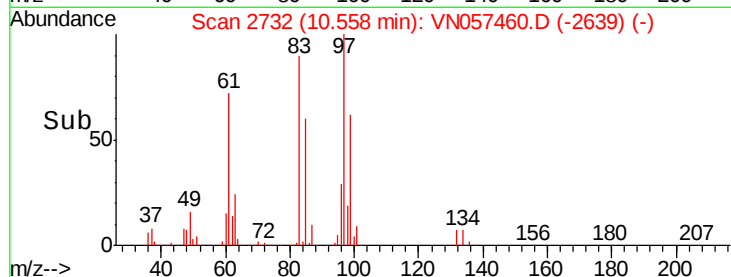
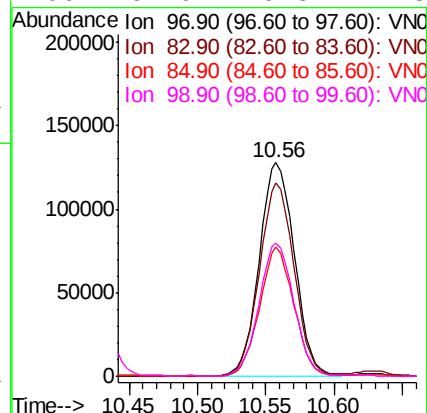
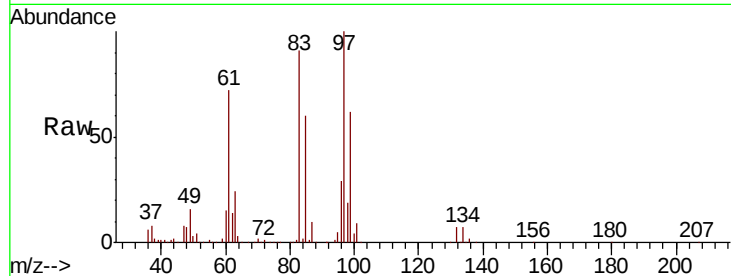




#55
 1,1,2-Trichloroethane
 Concen: 45.958 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

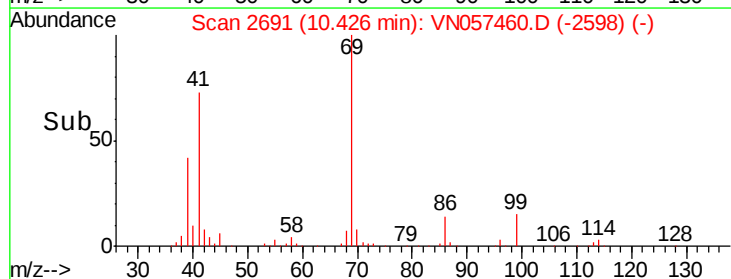
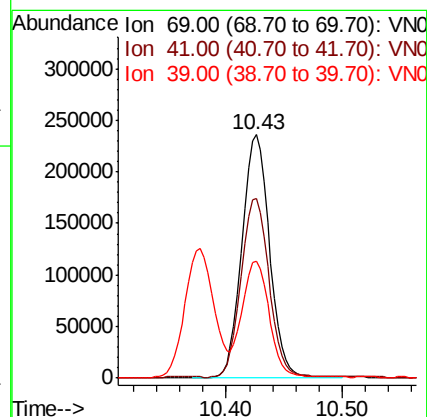
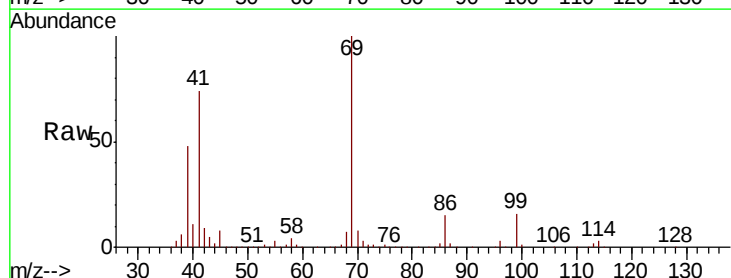
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

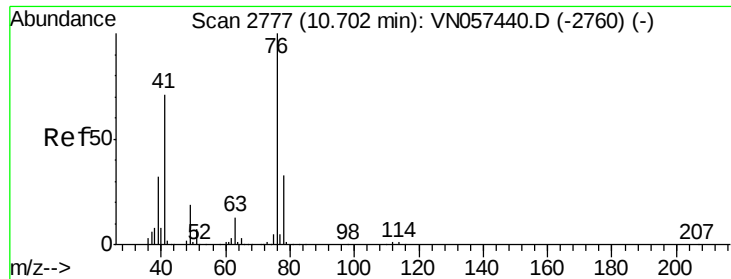
Tgt Ion: 97 Resp: 229564
 Ion Ratio Lower Upper
 97 100
 83 90.5 73.7 110.5
 85 60.4 46.8 70.2
 99 61.9 49.8 74.8



#56
 Ethyl methacrylate
 Concen: 49.869 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion: 69 Resp: 391852
 Ion Ratio Lower Upper
 69 100
 41 74.5 60.8 91.2
 39 46.5 36.5 54.7





#57

1,3-Dichloropropane

Concen: 47.300 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

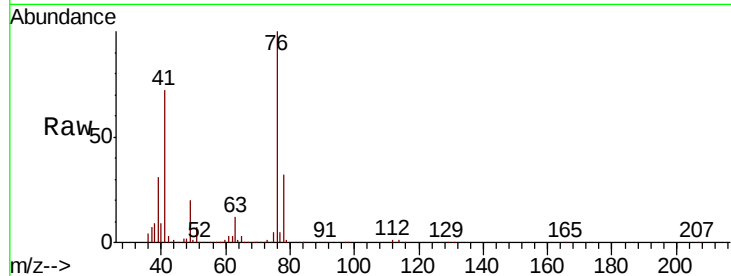
VSTDCCC050EC

Tgt Ion: 76 Resp: 411204

Ion Ratio Lower Upper

76 100

78 32.9 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

250000

200000

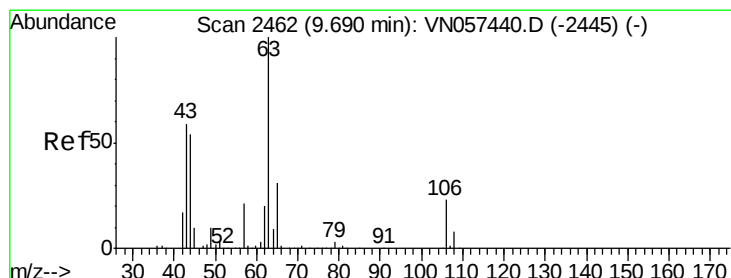
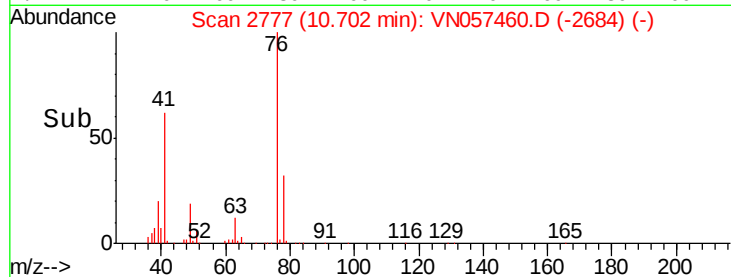
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 240.387 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057460.D

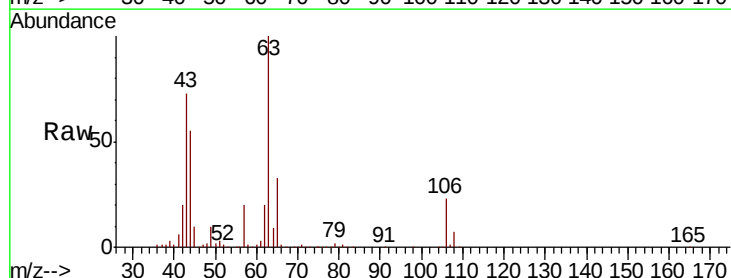
Acq: 23 Aug 2019 3:13

Tgt Ion: 63 Resp: 524524

Ion Ratio Lower Upper

63 100

106 23.1 18.6 27.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

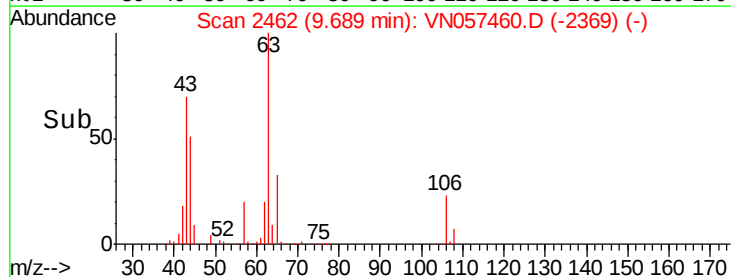
300000

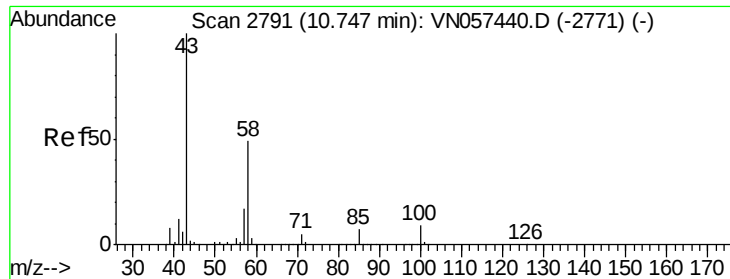
200000

100000

0

Time--> 9.60 9.70 9.80

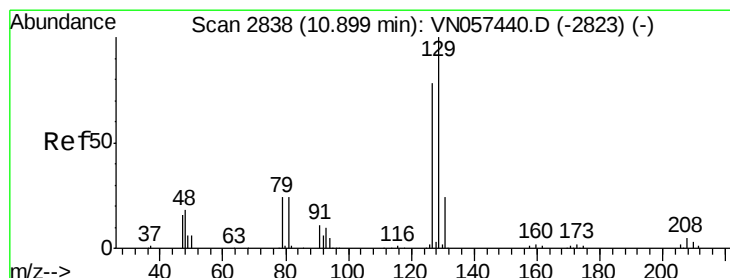
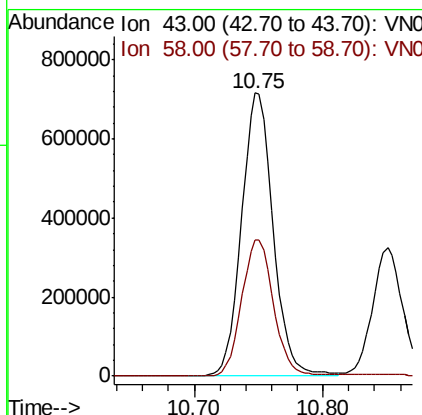
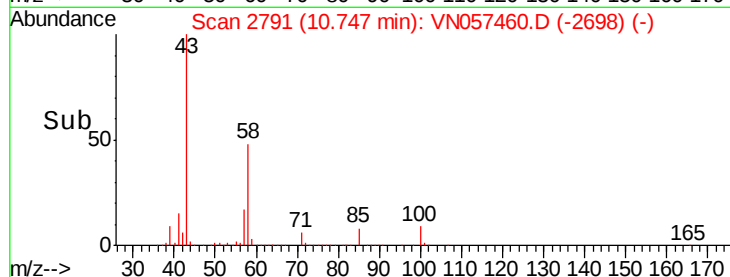
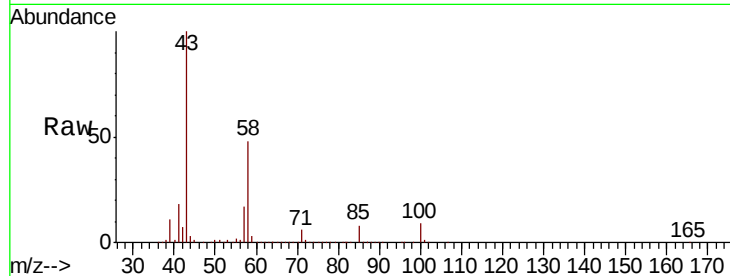




#59
2-Hexanone
Concen: 245.751 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

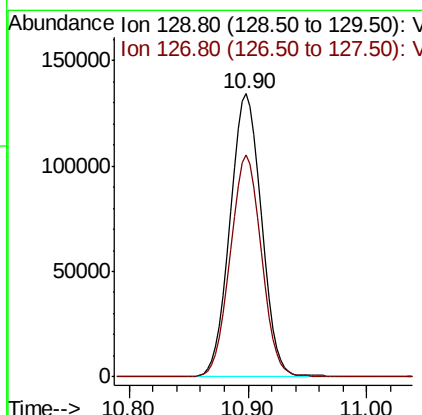
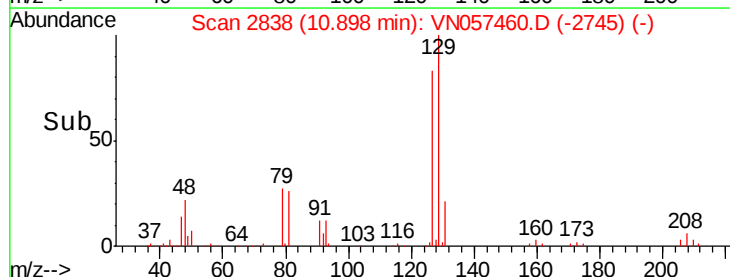
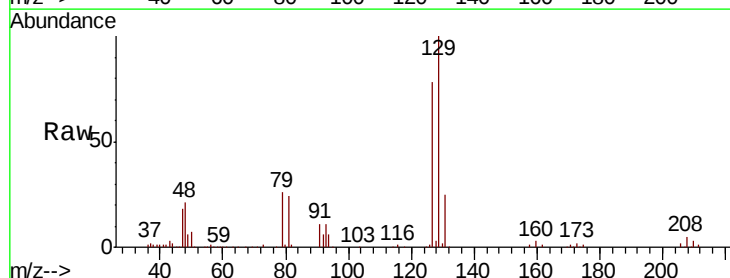
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

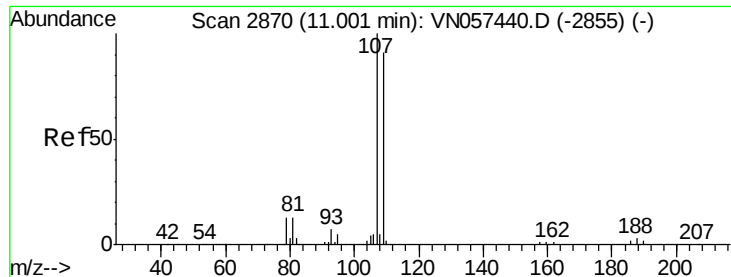
Tgt Ion: 43 Resp: 1215312
Ion Ratio Lower Upper
43 100
58 49.2 24.6 73.6



#60
Dibromochloromethane
Concen: 46.719 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 129 Resp: 246618
Ion Ratio Lower Upper
129 100
127 77.7 39.0 116.9

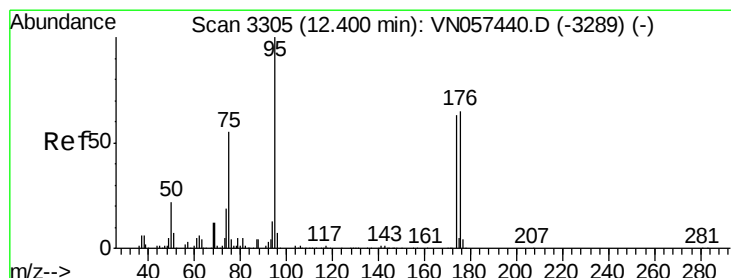
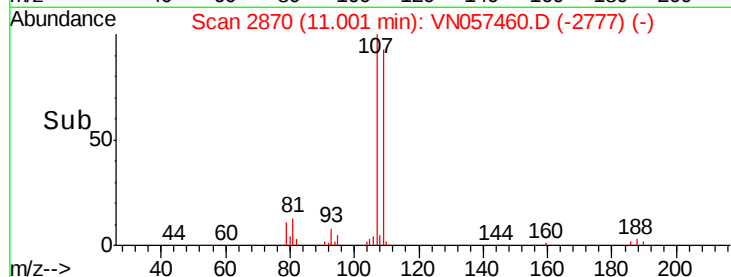
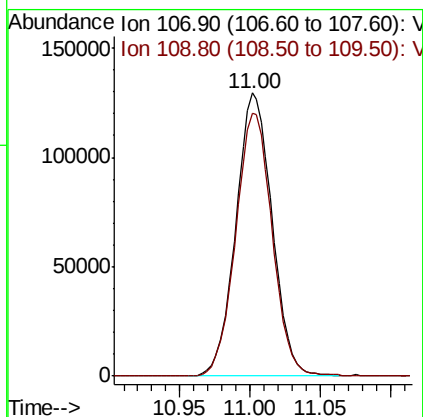
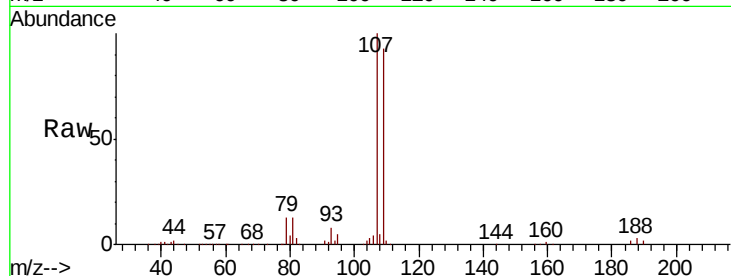




#61
 1,2-Dibromoethane
 Concen: 47.546 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

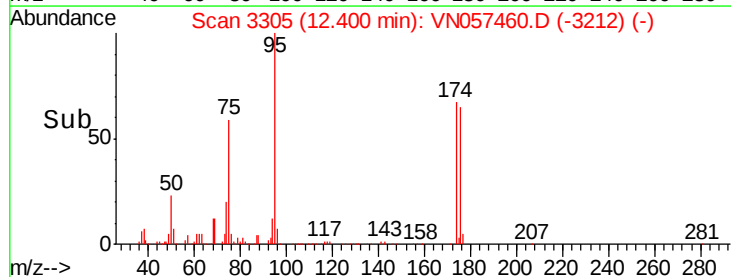
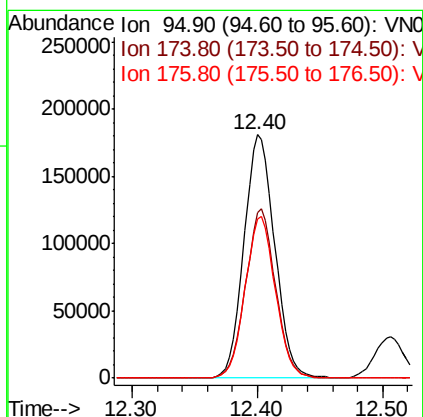
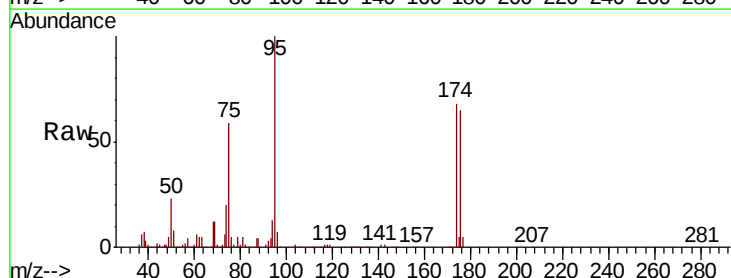
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

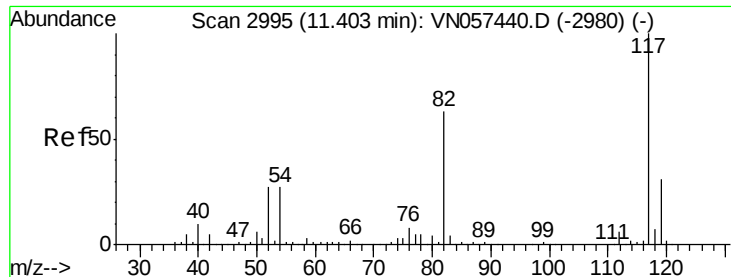
Tgt Ion: 107 Resp: 232938
 Ion Ratio Lower Upper
 107 100
 109 93.6 73.8 110.8



#62
 4-Bromofluorobenzene
 Concen: 51.158 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion: 95 Resp: 309417
 Ion Ratio Lower Upper
 95 100
 174 67.9 0.0 133.0
 176 65.3 0.0 130.8

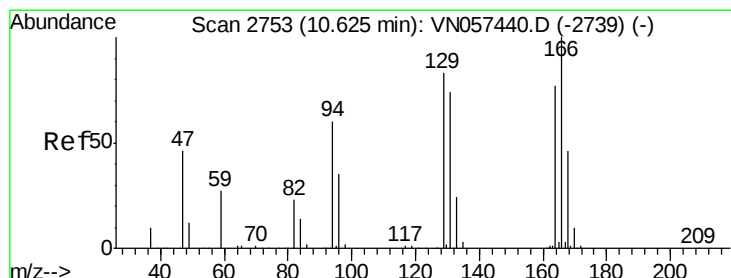
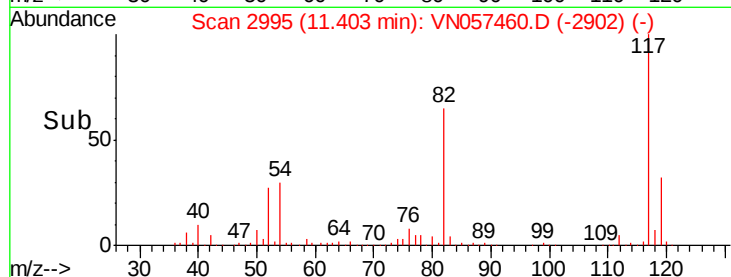
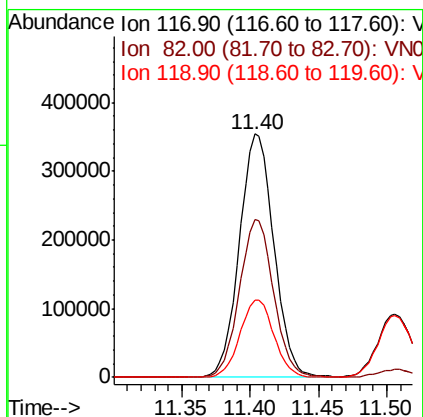
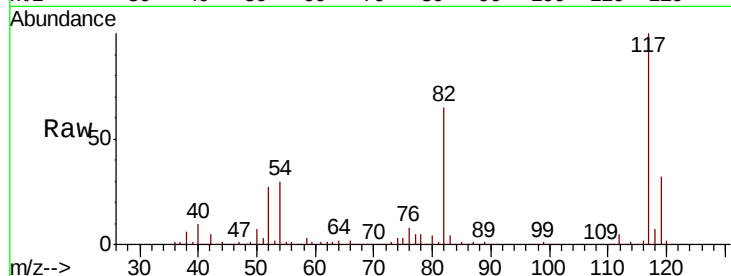




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

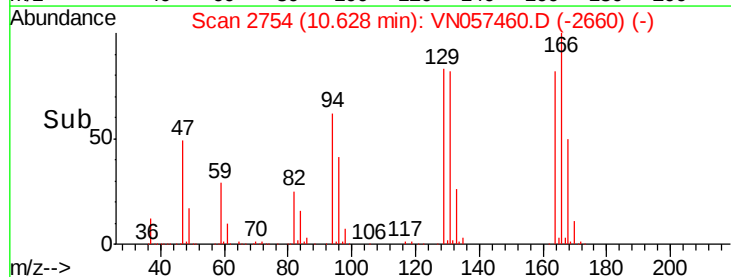
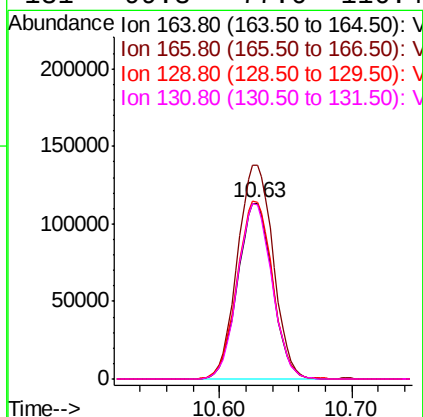
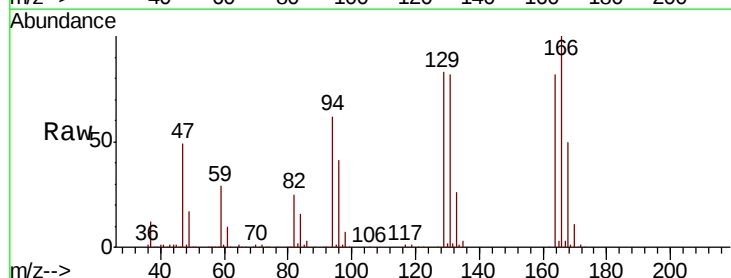
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

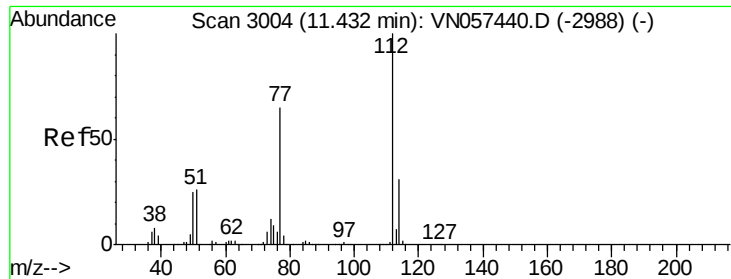
Tgt Ion:117 Resp: 622222
Ion Ratio Lower Upper
117 100
82 64.6 50.6 75.8
119 31.7 24.6 36.8



#64
Tetrachloroethene
Concen: 47.118 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion:164 Resp: 205113
Ion Ratio Lower Upper
164 100
166 121.6 104.4 156.6
129 100.8 86.6 130.0
131 99.3 77.6 116.4

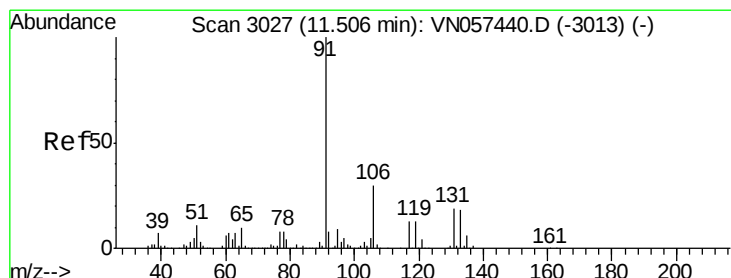
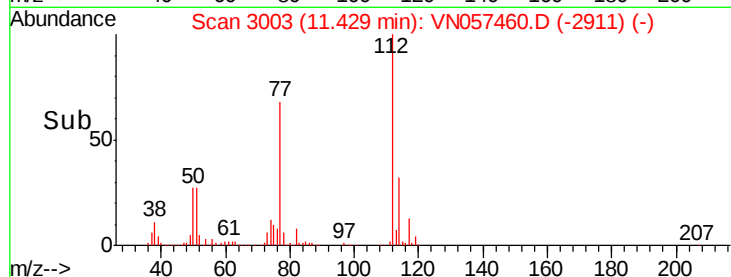
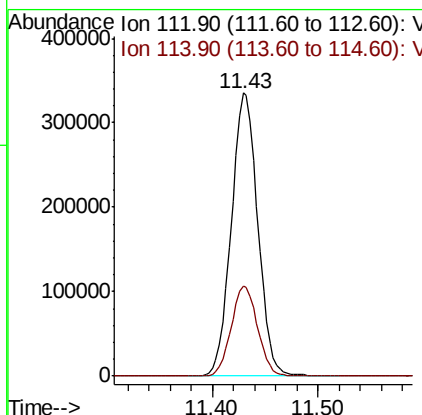
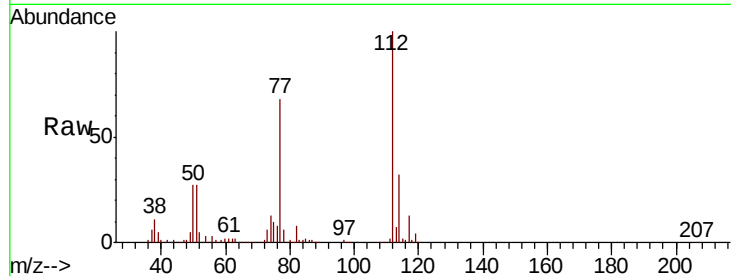




#65
Chlorobenzene
Concen: 46.215 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

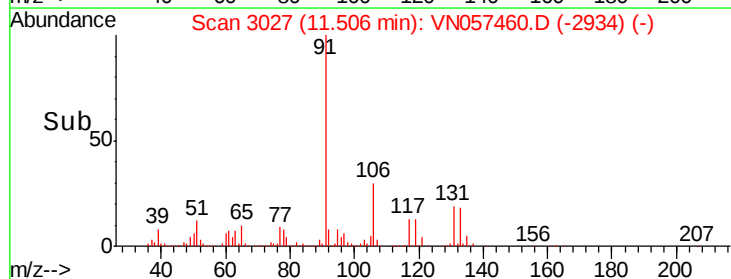
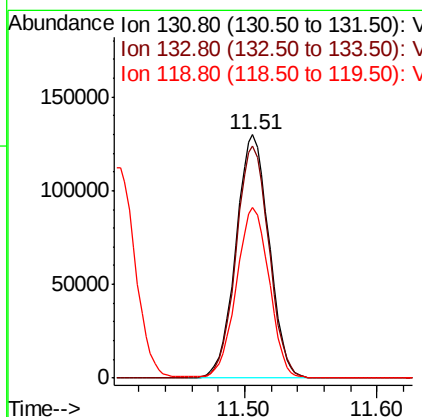
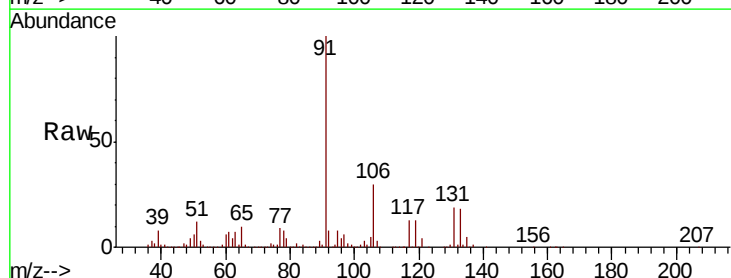
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

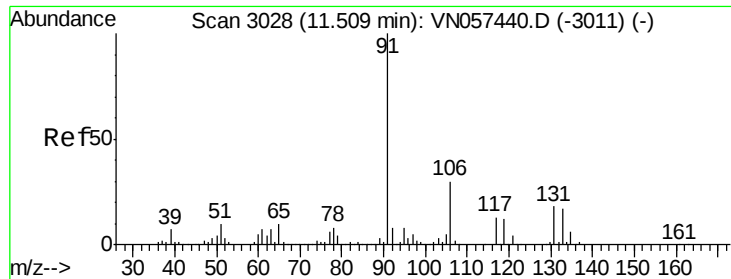
Tgt Ion:112 Resp: 581286
Ion Ratio Lower Upper
112 100
114 31.9 24.8 37.2



#66
1,1,1,2-Tetrachloroethane
Concen: 46.681 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion:131 Resp: 225180
Ion Ratio Lower Upper
131 100
133 95.1 47.6 142.8
119 69.2 34.4 103.2

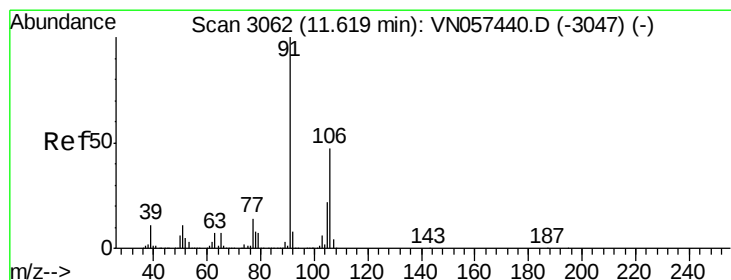
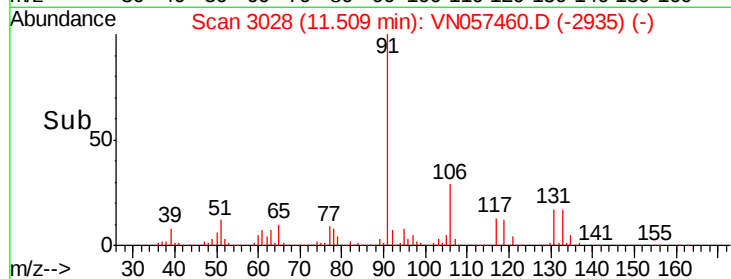
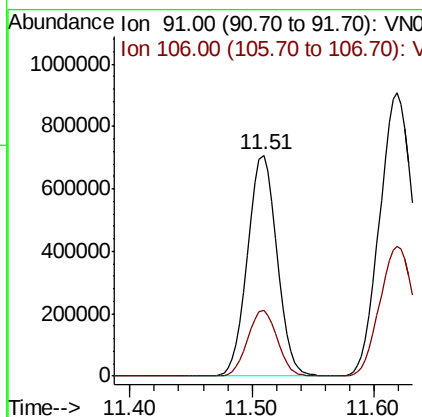
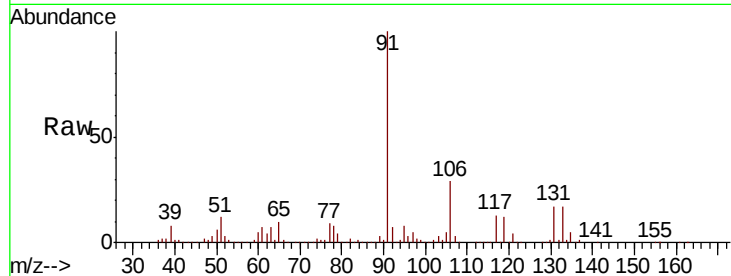




#67
Ethyl Benzene
Concen: 48.194 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

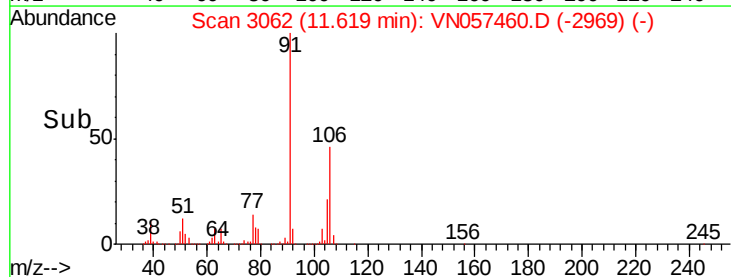
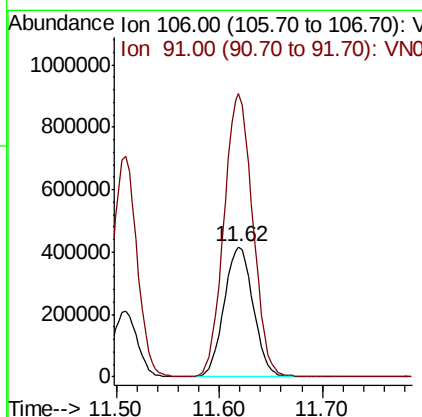
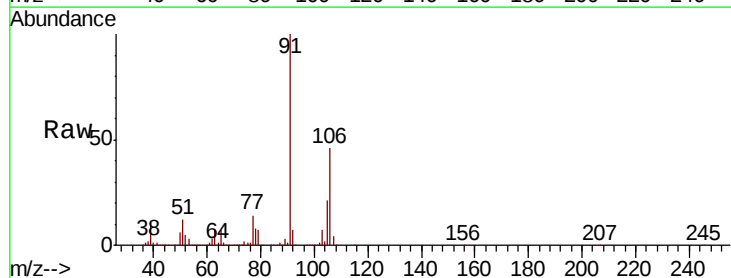
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

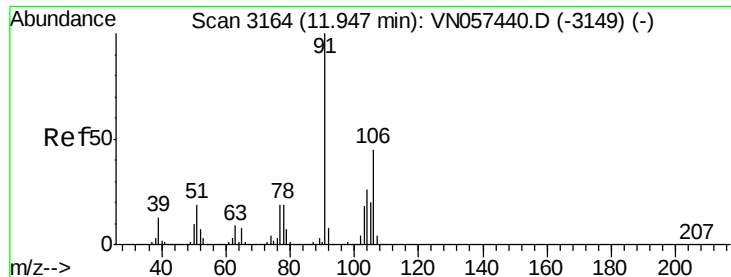
Tgt Ion: 91 Resp: 1173319
Ion Ratio Lower Upper
91 100
106 29.5 24.1 36.1



#68
m/p-Xylenes
Concen: 99.230 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion: 106 Resp: 821574
Ion Ratio Lower Upper
106 100
91 215.1 171.8 257.6

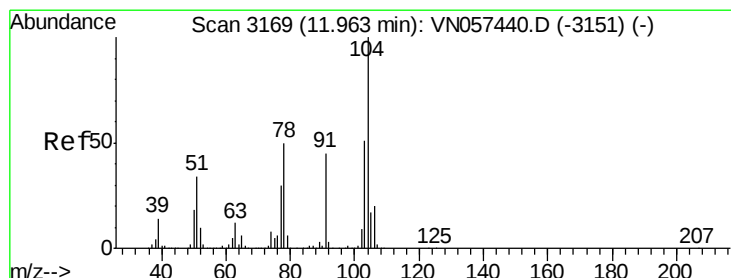
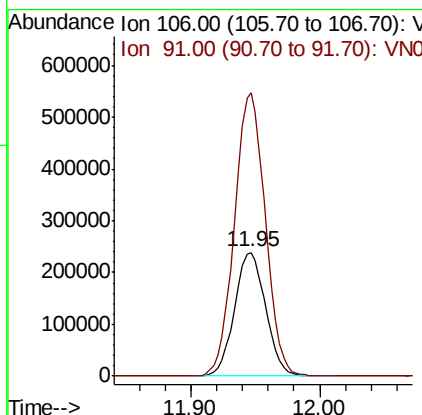
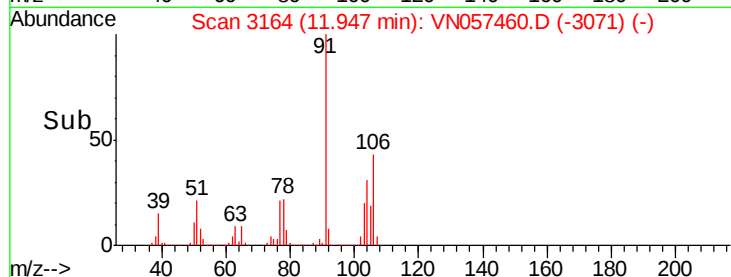
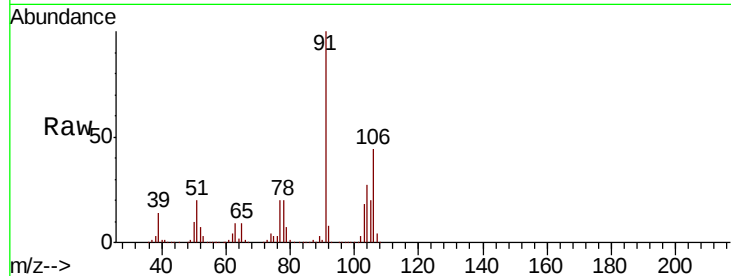




#69
o-Xylene
Concen: 48.790 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

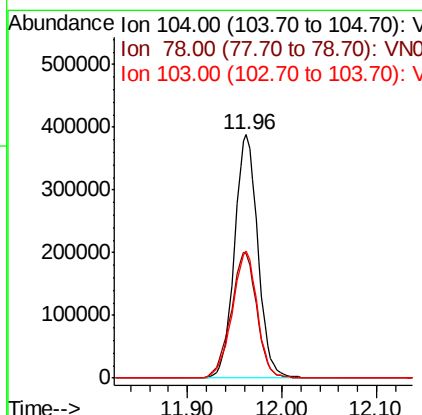
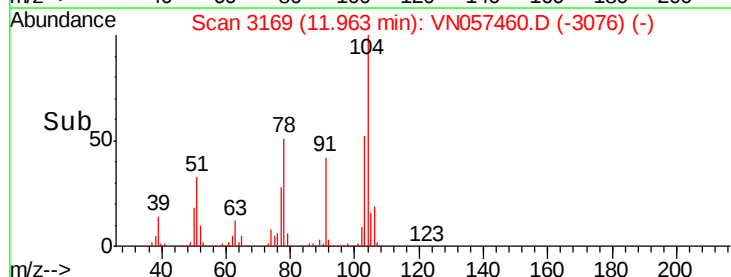
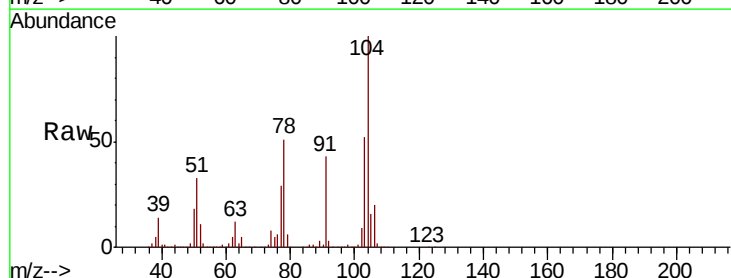
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

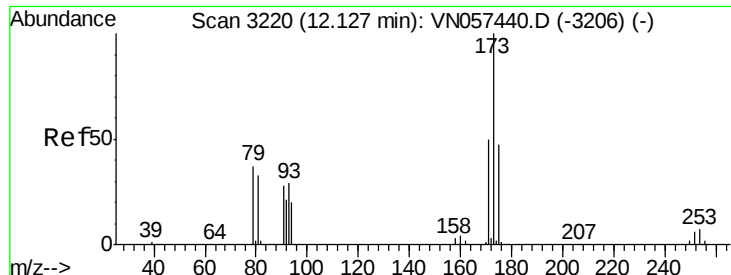
Tgt Ion:106 Resp: 400167
Ion Ratio Lower Upper
106 100
91 227.4 112.3 336.9



#70
Styrene
Concen: 51.322 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion:104 Resp: 666528
Ion Ratio Lower Upper
104 100
78 57.0 44.7 67.1
103 55.7 44.4 66.6

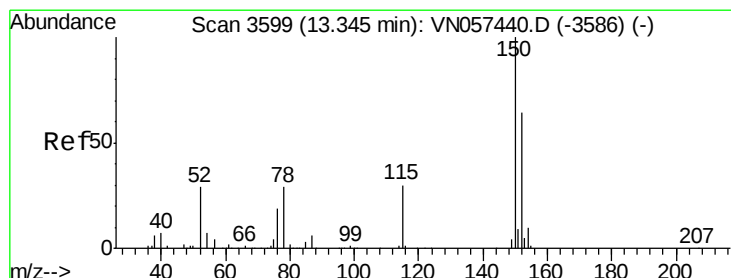
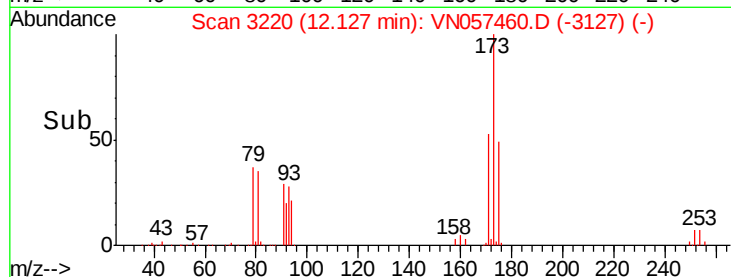
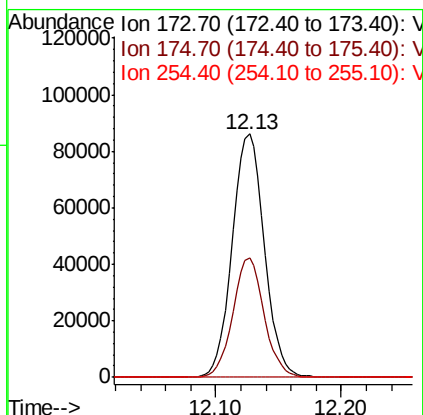
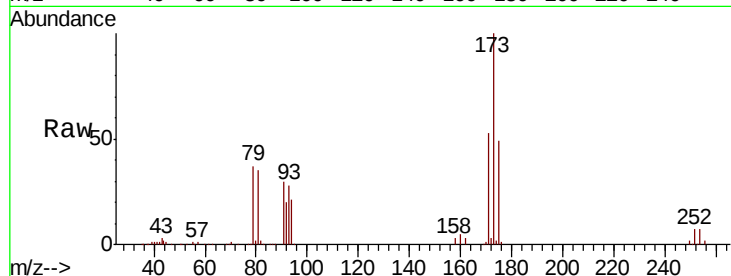




#71
Bromoform
Concen: 47.055 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

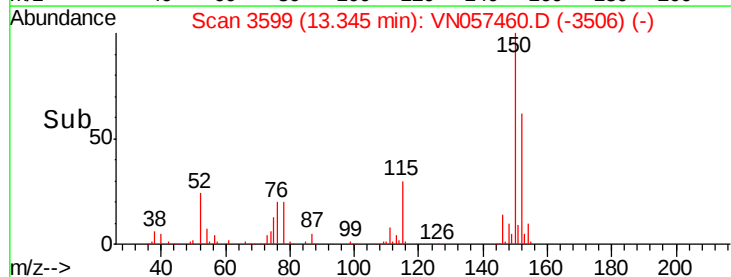
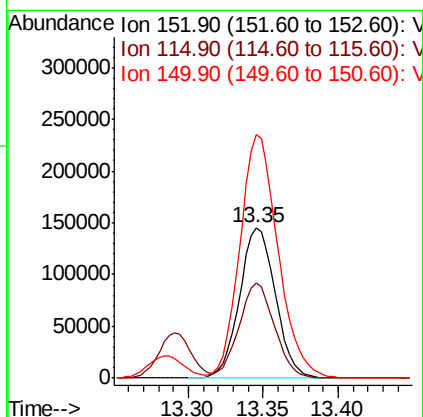
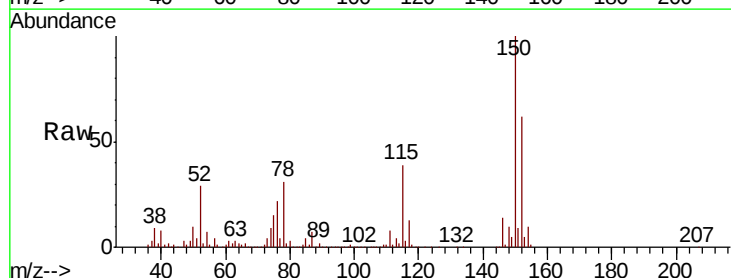
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

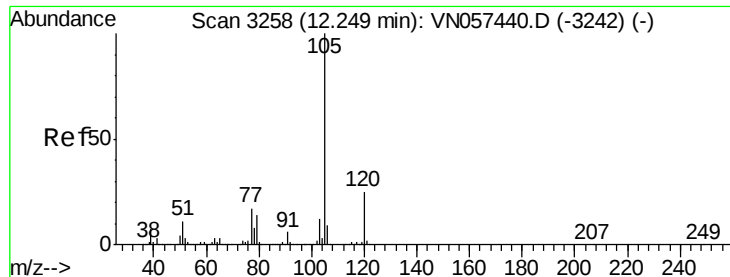
Tgt Ion:173 Resp: 153439
Ion Ratio Lower Upper
173 100
175 47.5 23.9 71.8
254 0.1 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion:152 Resp: 242165
Ion Ratio Lower Upper
152 100
115 62.5 32.0 96.0
150 172.6 0.0 346.6





#73

Isopropylbenzene

Concen: 50.845 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

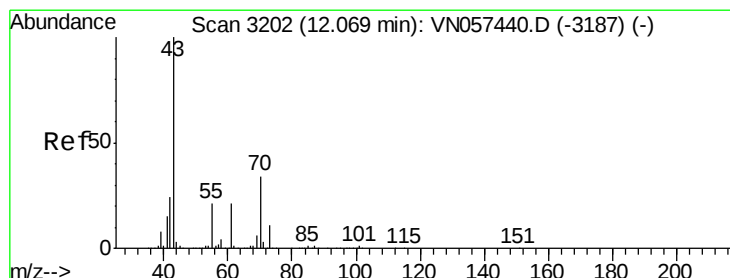
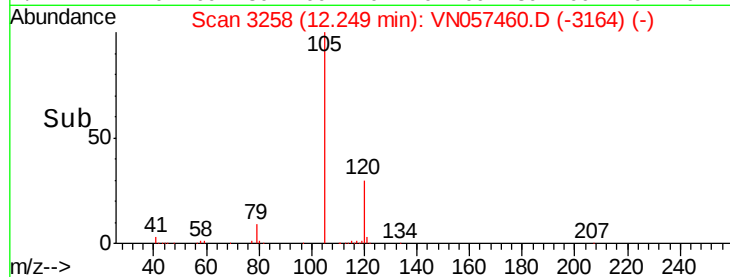
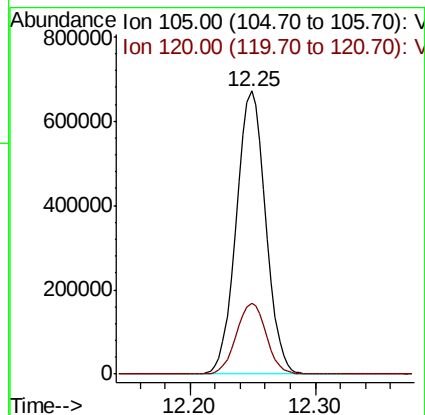
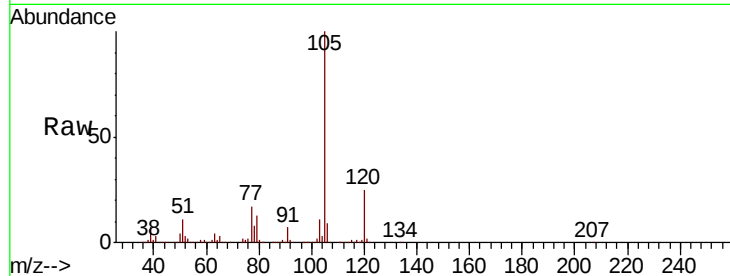
VSTDCCC050EC

Tgt Ion:105 Resp: 1091192

Ion Ratio Lower Upper

105 100

120 25.5 12.7 38.0



#74

N-ethyl acetate

Concen: 49.989 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Tgt Ion: 43 Resp: 505787

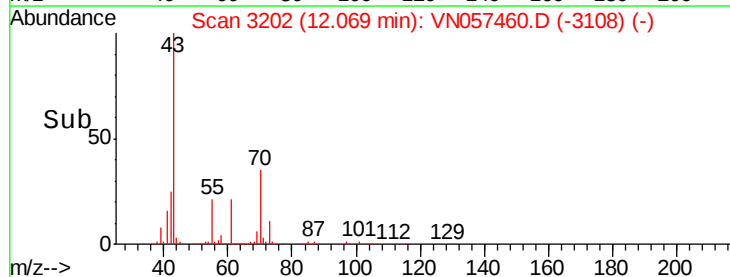
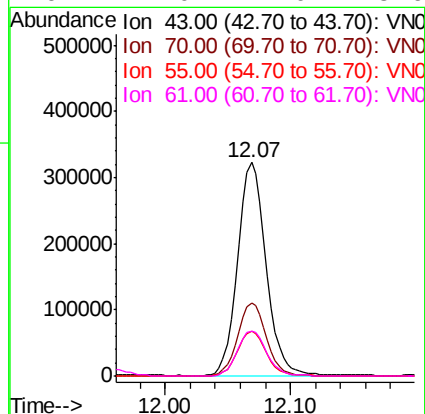
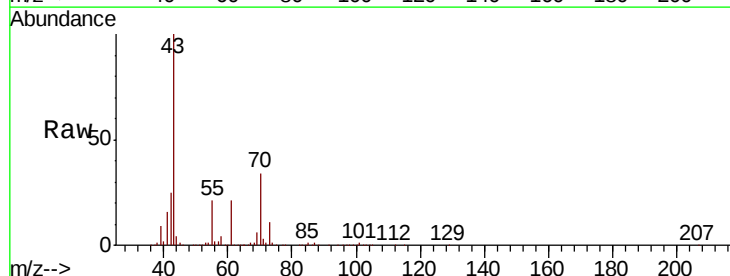
Ion Ratio Lower Upper

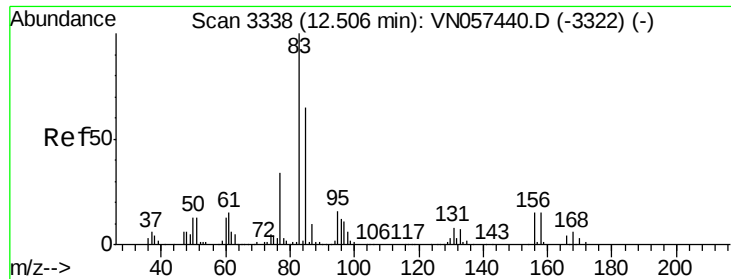
43 100

70 35.0 27.8 41.6

55 21.1 17.0 25.4

61 22.0 17.0 25.6





#75

1,1,2,2-Tetrachloroethane

Concen: 50.691 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

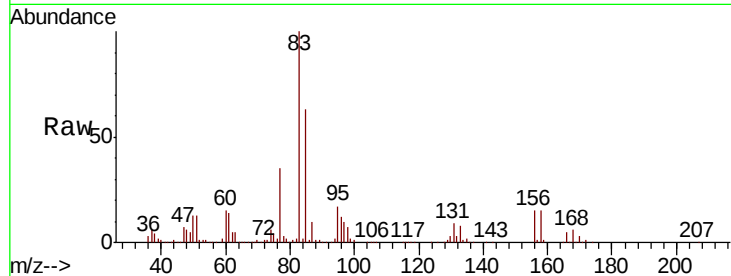
Tgt Ion: 83 Resp: 313328

Ion Ratio Lower Upper

83 100

131 9.1 4.3 13.1

85 64.2 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN057460.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN057460.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN057460.D (-3245) (-)

250000

200000

150000

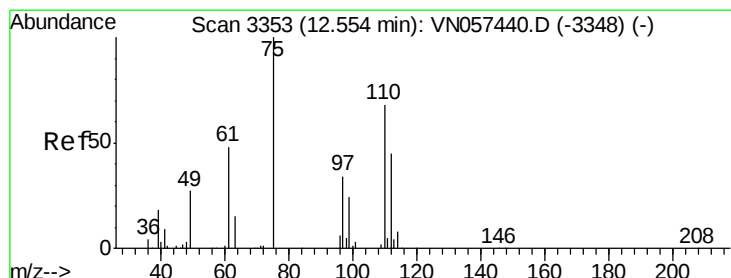
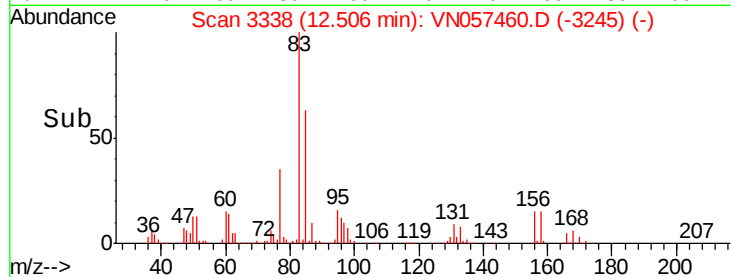
100000

50000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 78.966 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057460.D

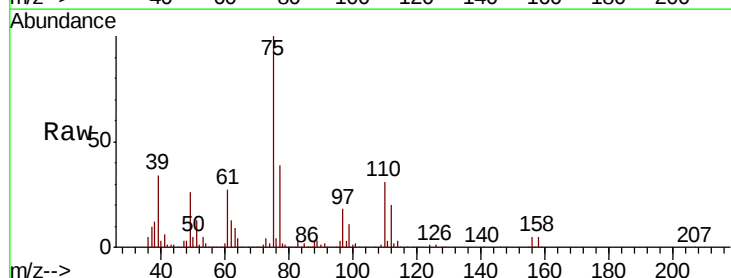
Acq: 23 Aug 2019 3:13

Tgt Ion: 75 Resp: 411663

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057460.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN057460.D (-3260) (-)

300000

250000

200000

150000

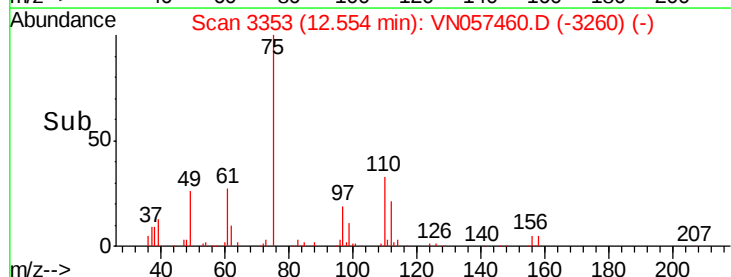
100000

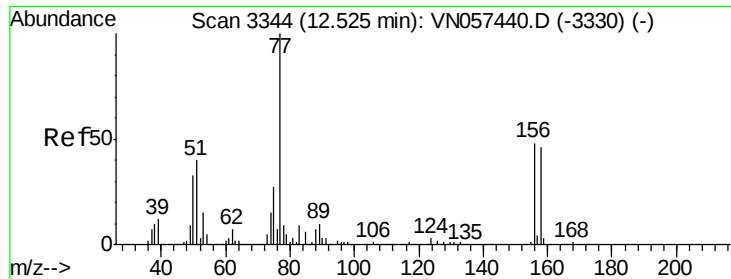
50000

0

12.50 12.55 12.60

Time-->





#77

Bromobenzene

Concen: 50.502 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

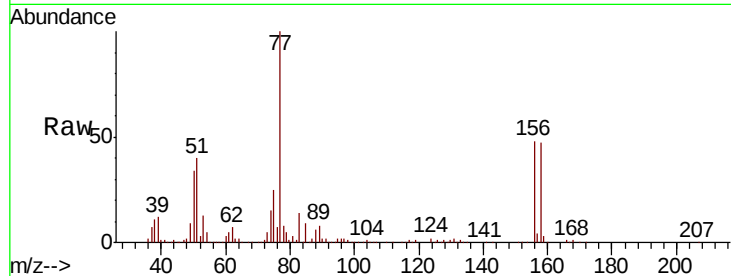
Tgt Ion:156 Resp: 224254

Ion Ratio Lower Upper

156 100

77 250.1 124.4 373.3

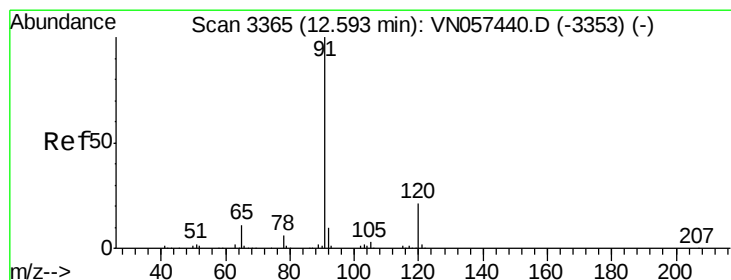
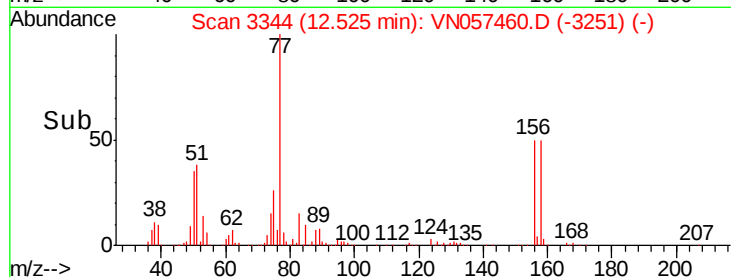
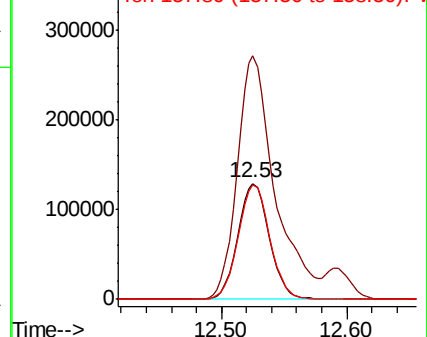
158 99.2 48.3 144.8



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: 49.875 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057460.D

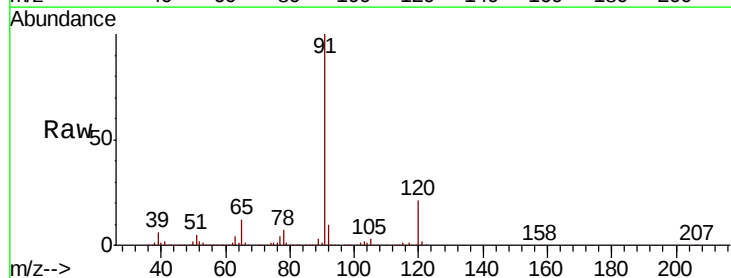
Acq: 23 Aug 2019 3:13

Tgt Ion: 91 Resp: 1228792

Ion Ratio Lower Upper

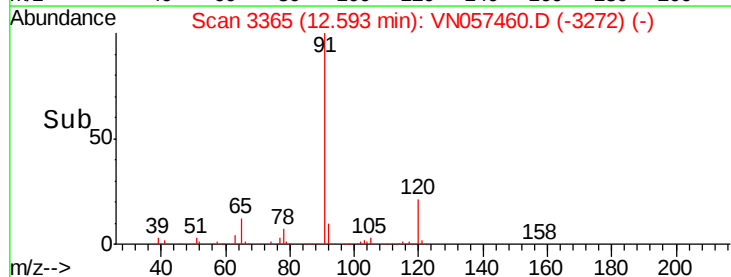
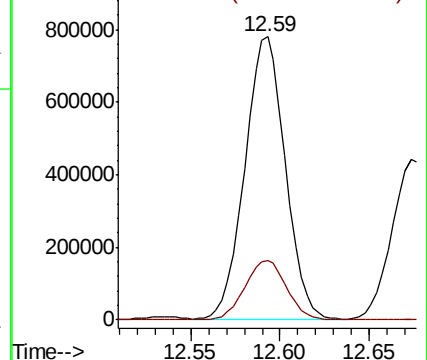
91 100

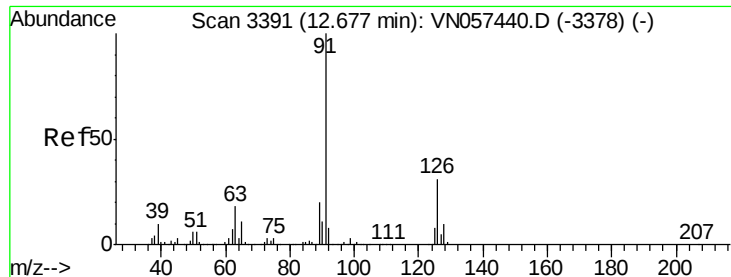
120 21.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.040 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

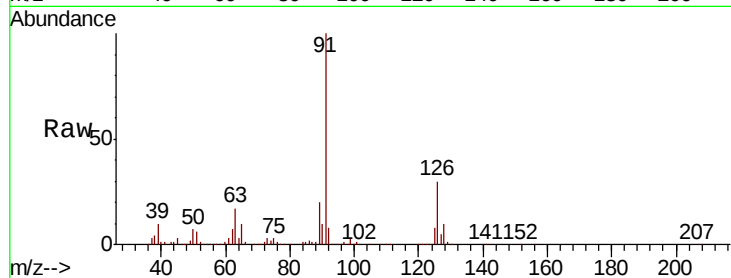
VSTDCCC050EC

Tgt Ion: 91 Resp: 736484

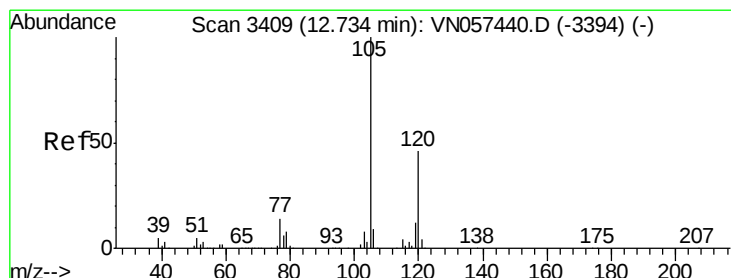
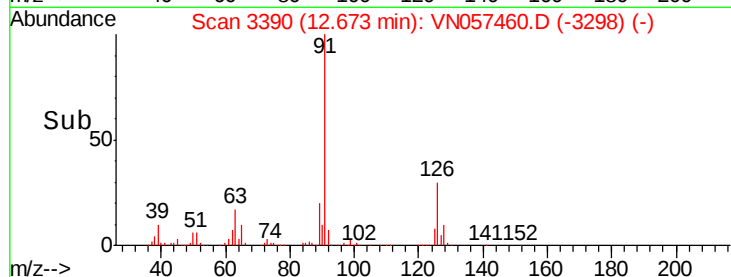
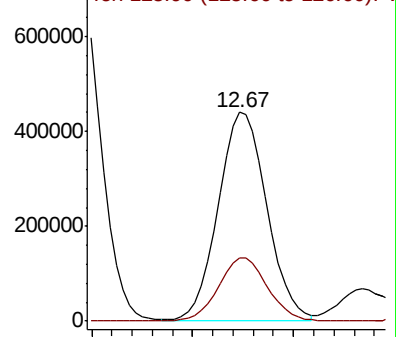
Ion Ratio Lower Upper

91 100

126 30.7 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN057460.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.127 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057460.D

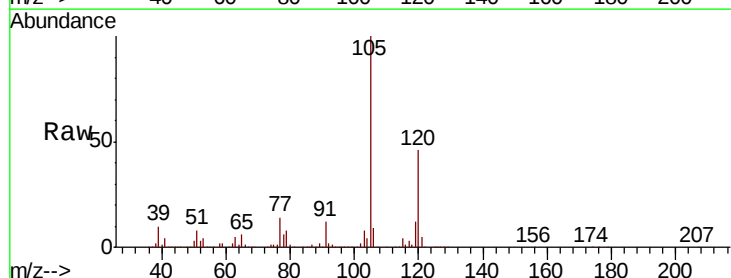
Acq: 23 Aug 2019 3:13

Tgt Ion: 105 Resp: 901422

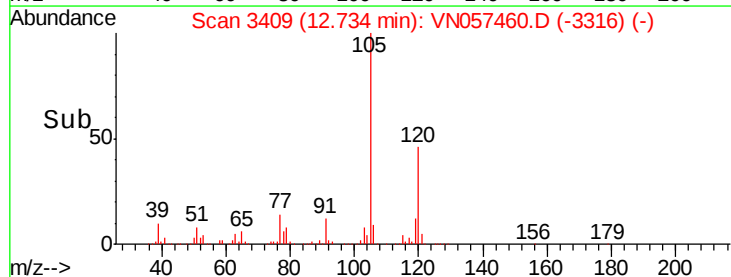
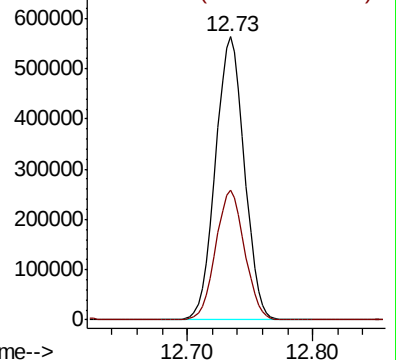
Ion Ratio Lower Upper

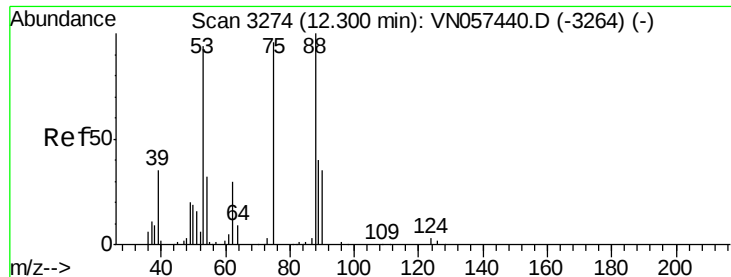
105 100

120 46.0 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN057460.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 43.270 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

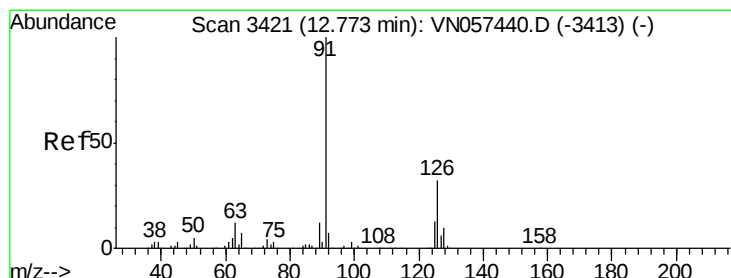
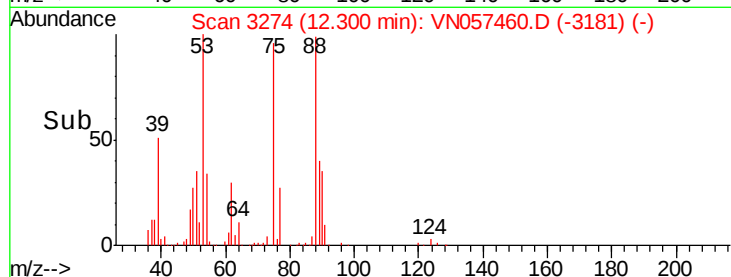
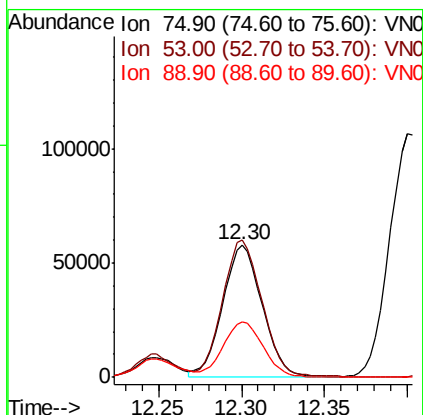
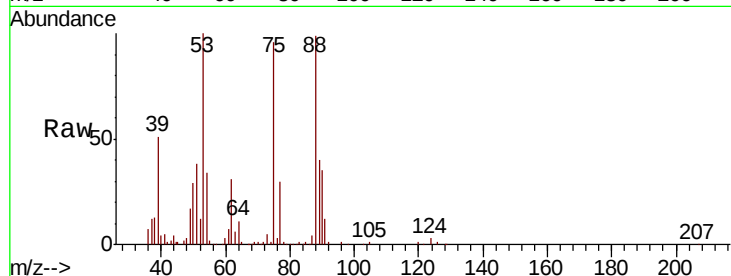
Tgt Ion: 75 Resp: 95361

Ion Ratio Lower Upper

75 100

53 105.5 82.7 124.1

89 43.2 35.8 53.8



#82

4-Chlorotoluene

Concen: 50.122 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN057460.D

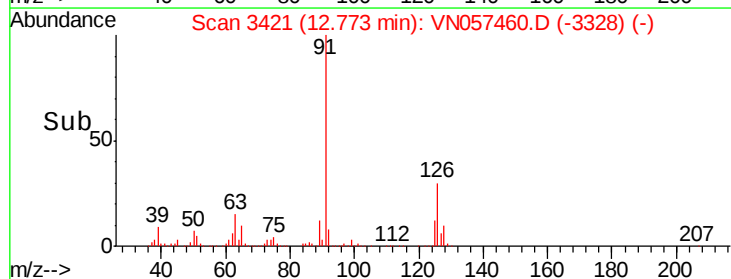
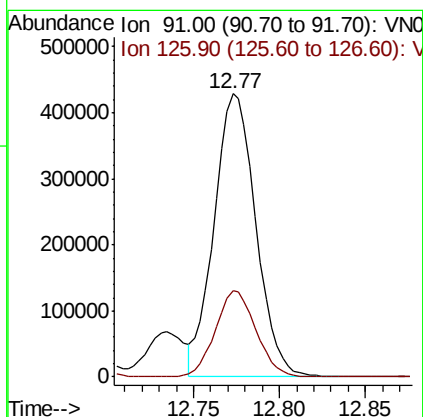
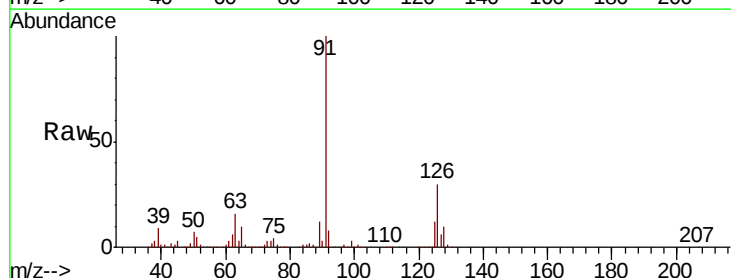
Acq: 23 Aug 2019 3:13

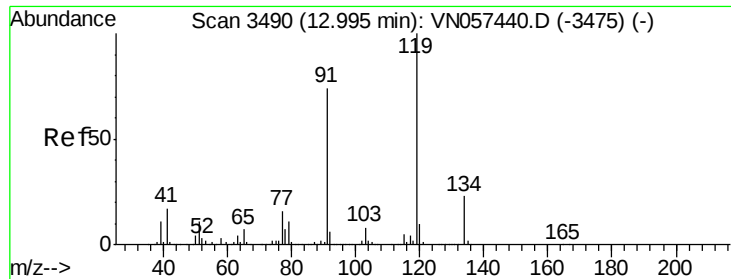
Tgt Ion: 91 Resp: 722944

Ion Ratio Lower Upper

91 100

126 29.8 15.0 45.0

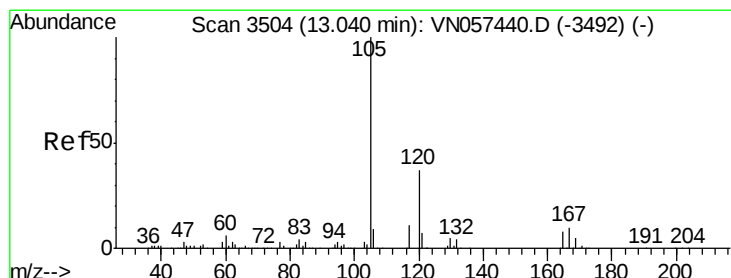
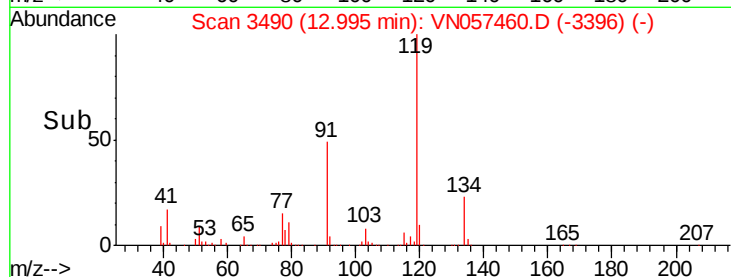
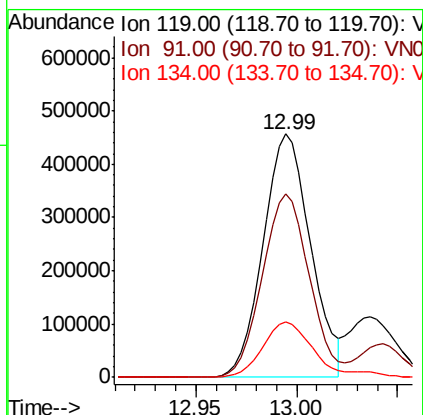
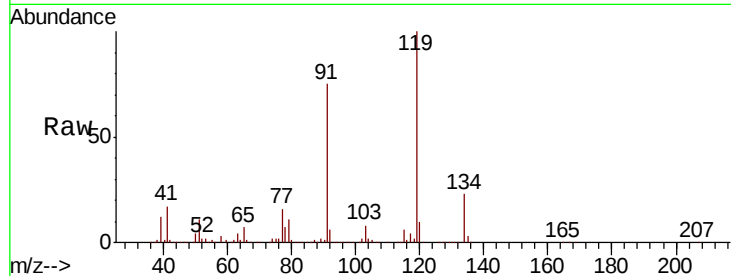




#83
 tert-Butylbenzene
 Concen: 50.795 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

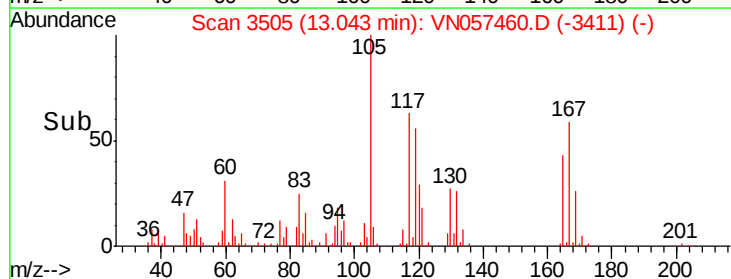
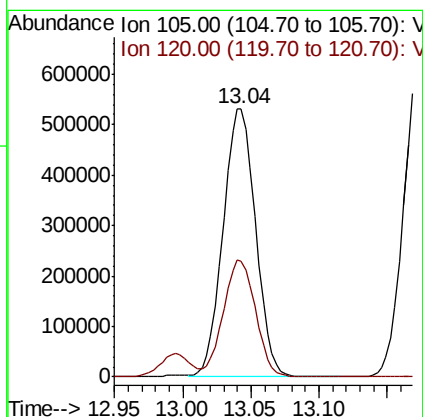
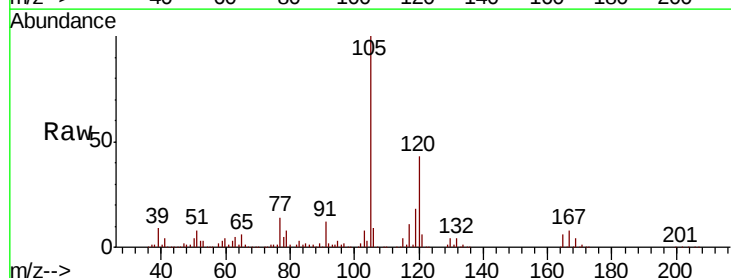
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

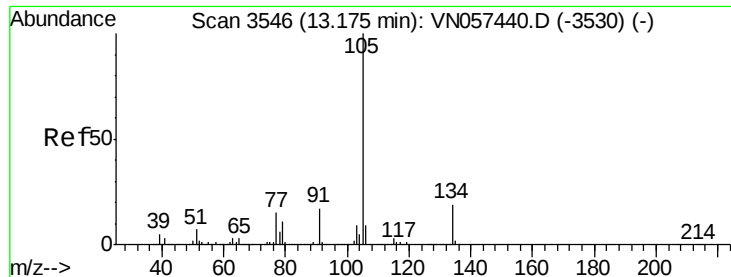
Tgt Ion:119 Resp: 748813
 Ion Ratio Lower Upper
 119 100
 91 74.9 37.0 111.0
 134 24.8 12.2 36.6



#84
 1,2,4-Trimethylbenzene
 Concen: 46.700 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion:105 Resp: 879202
 Ion Ratio Lower Upper
 105 100
 120 43.1 21.9 65.7

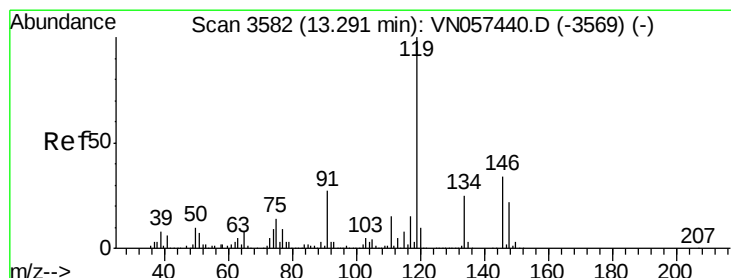
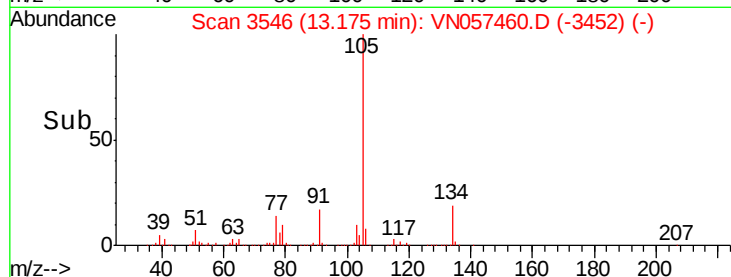
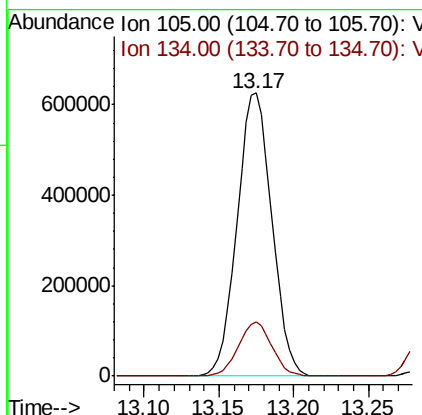
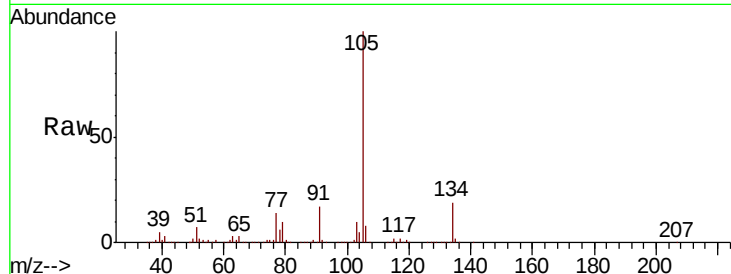




#85
 sec-Butylbenzene
 Concen: 50.435 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

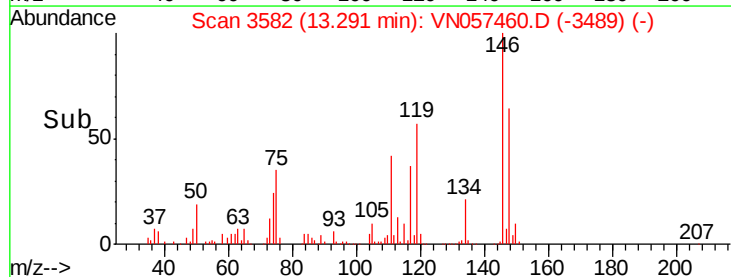
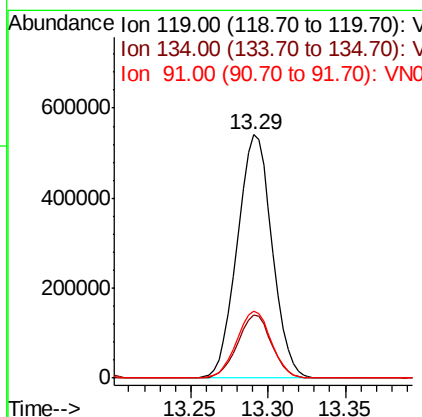
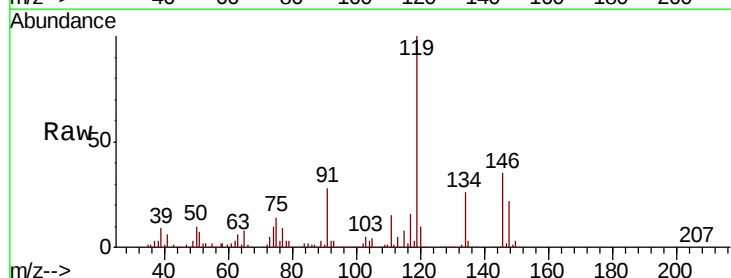
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

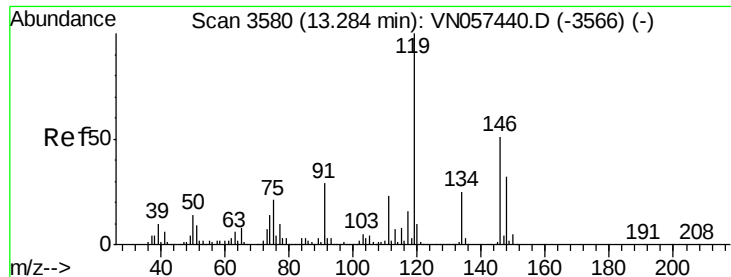
Tgt Ion:105 Resp: 1008799
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 44.673 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion:119 Resp: 845604
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 27.4 13.9 41.6

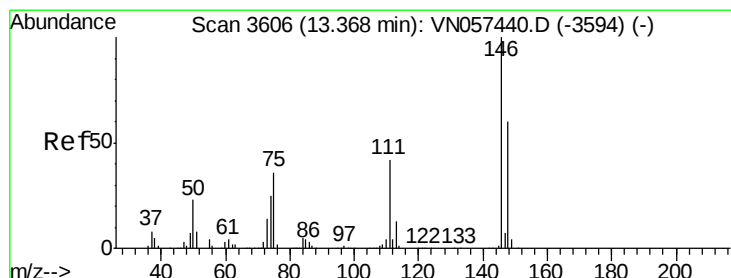
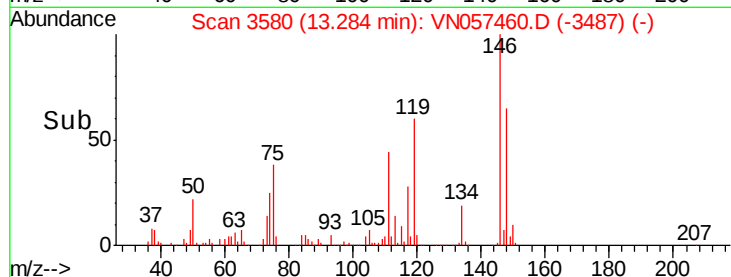
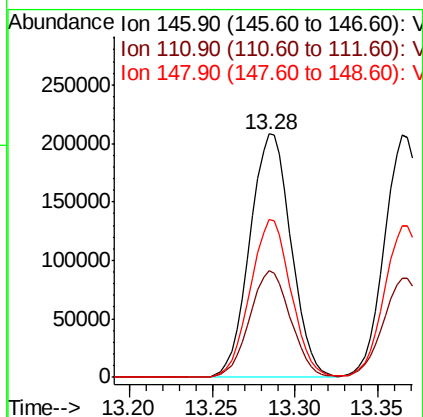
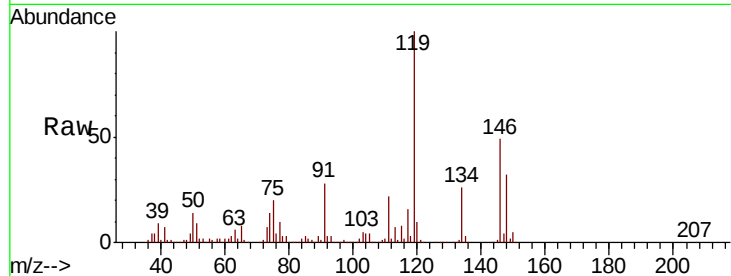




#87
 1,3-Dichlorobenzene
 Concen: 45.936 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

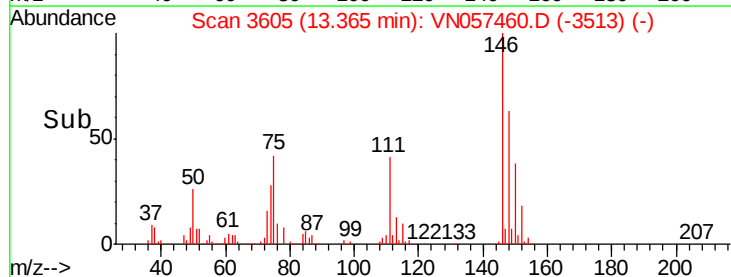
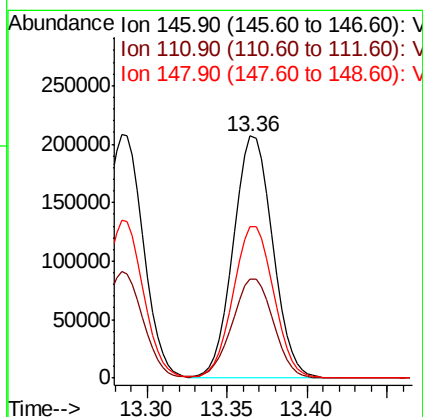
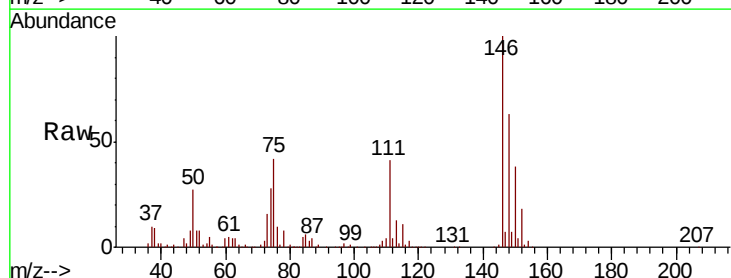
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

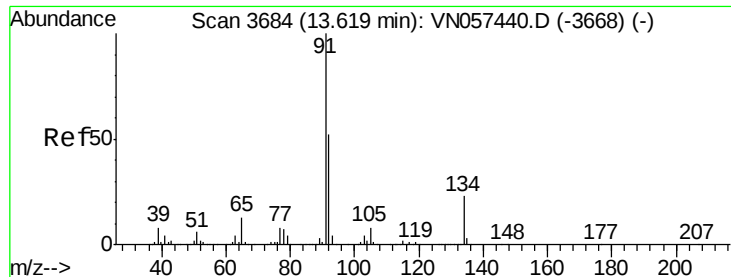
Tgt Ion:146 Resp: 359322
 Ion Ratio Lower Upper
 146 100
 111 43.6 22.1 66.1
 148 64.3 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 45.321 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion:146 Resp: 347173
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.9 65.5
 148 64.3 31.1 93.2





#89

n-Butylbenzene

Concen: 46.237 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

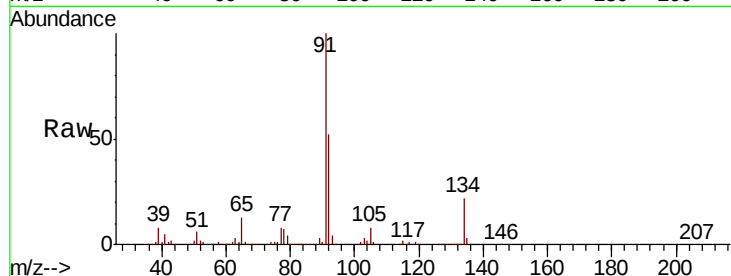
Tgt Ion: 91 Resp: 740642

Ion Ratio Lower Upper

91 100

92 51.8 25.7 77.0

134 22.4 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) (-)

13.62

600000

500000

400000

300000

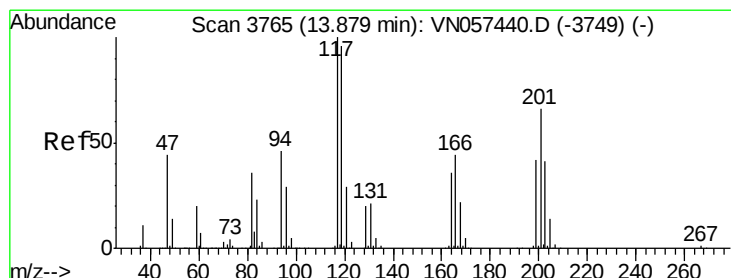
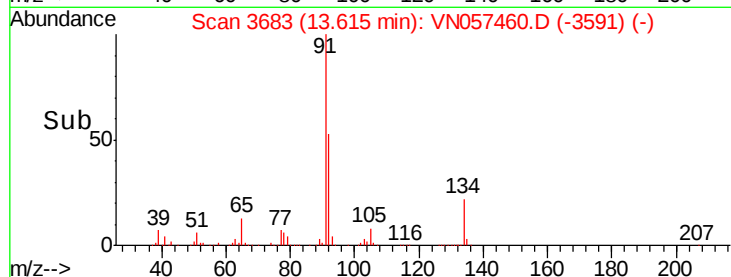
200000

100000

0

13.55 13.60 13.65 13.70

Time-->



#90

Hexachloroethane

Concen: 50.020 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057460.D

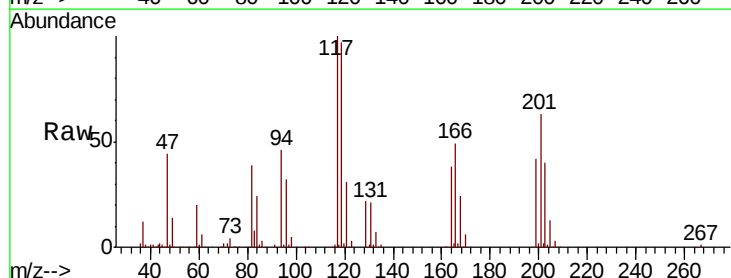
Acq: 23 Aug 2019 3:13

Tgt Ion: 117 Resp: 177122

Ion Ratio Lower Upper

117 100

201 64.3 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) (-)

120000

100000

80000

60000

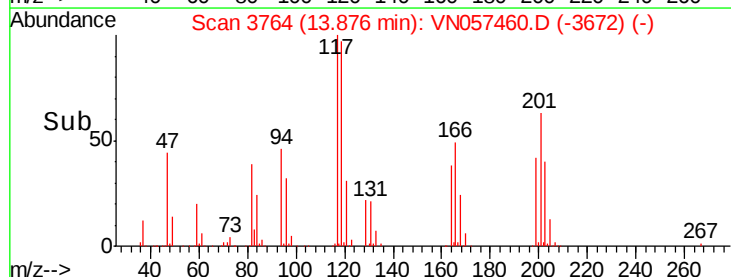
40000

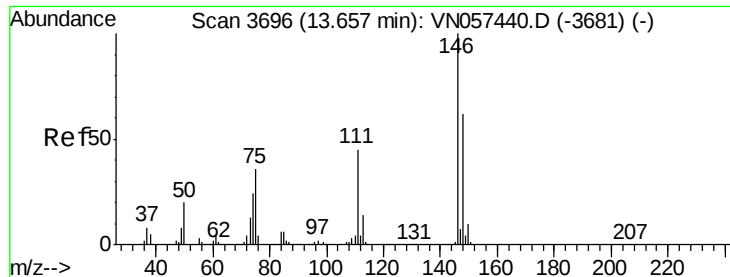
20000

0

13.80 13.85 13.90 13.95

Time-->





#91

1,2-Dichlorobenzene

Concen: 47.480 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

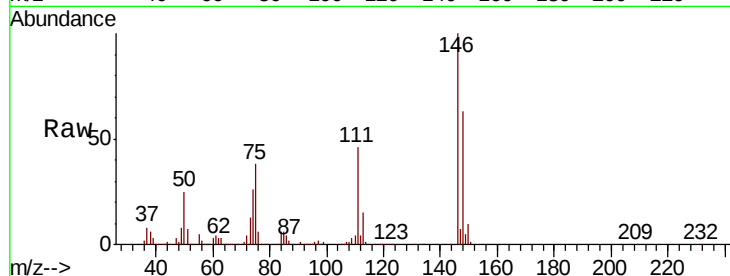
Tgt Ion:146 Resp: 354539

Ion Ratio Lower Upper

146 100

111 44.5 23.1 69.2

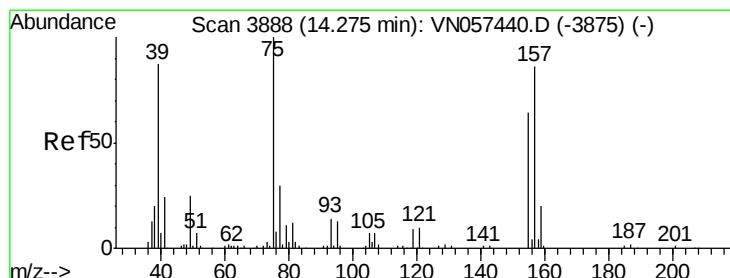
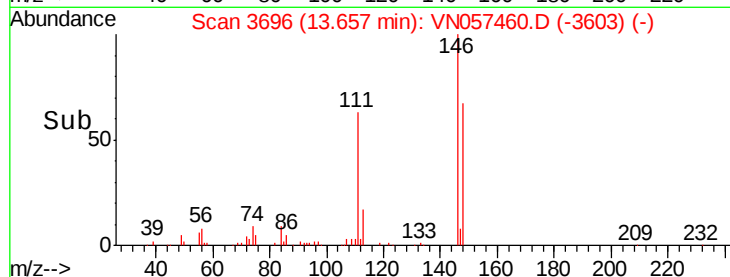
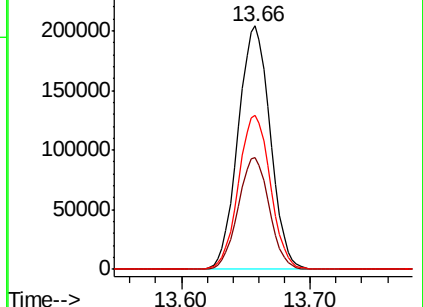
148 63.0 31.8 95.4



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: 47.989 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN057460.D

Acq: 23 Aug 2019 3:13

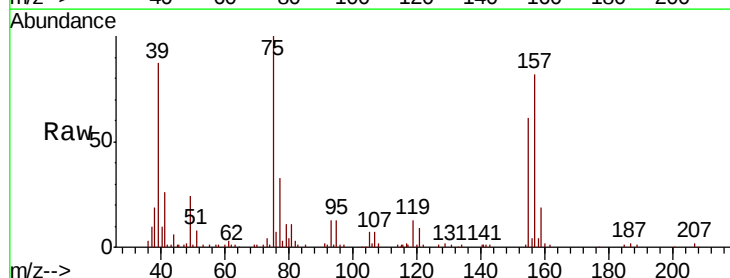
Tgt Ion: 75 Resp: 55567

Ion Ratio Lower Upper

75 100

155 65.7 31.6 94.7

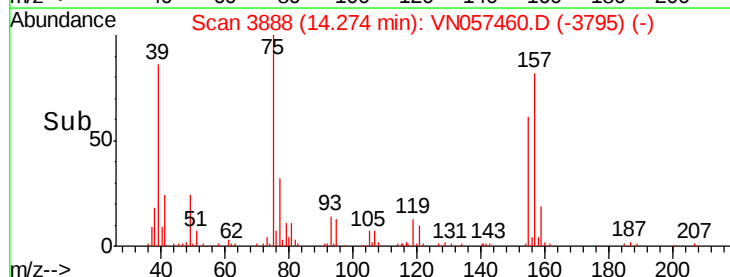
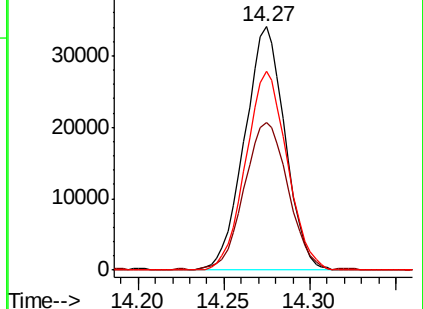
157 83.4 43.3 129.8

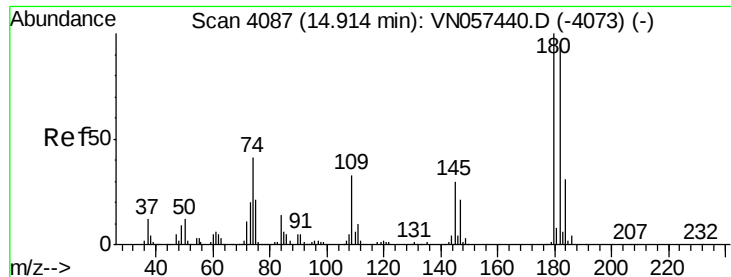


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

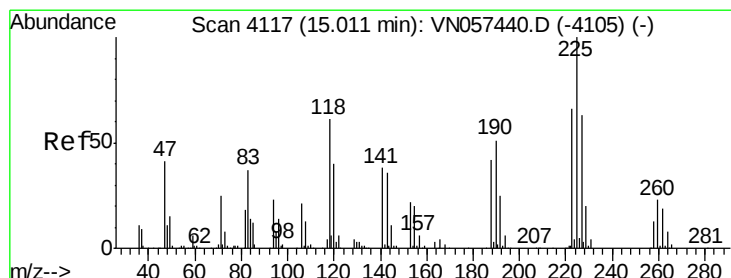
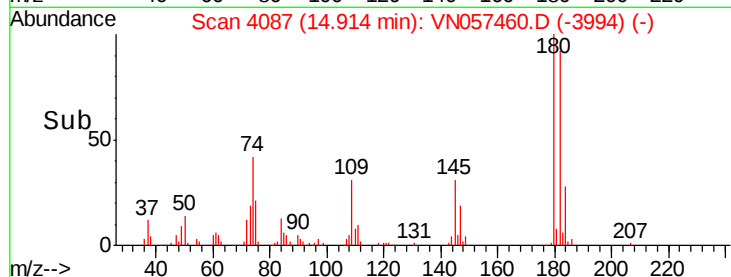
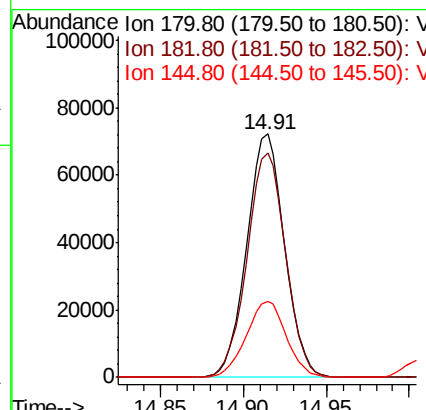
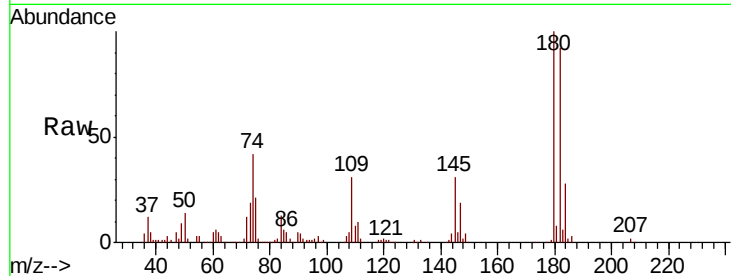




#93
 1,2,4-Trichlorobenzene
 Concen: 39.262 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

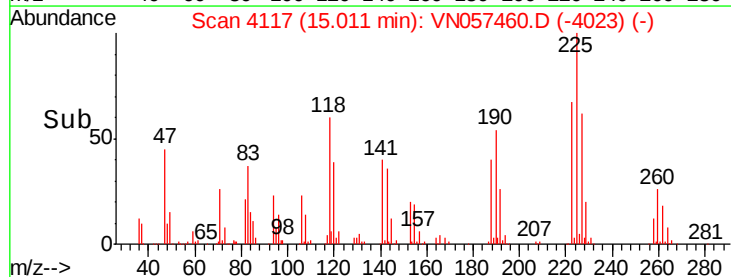
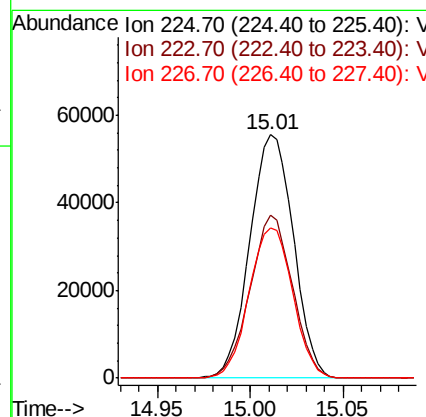
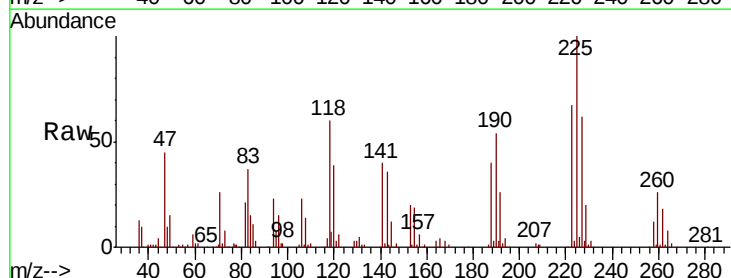
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

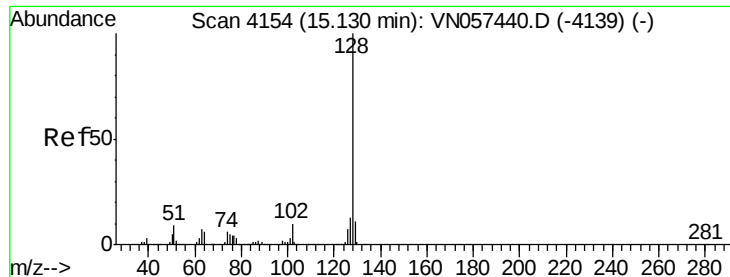
Tgt Ion:180 Resp: 114717
 Ion Ratio Lower Upper
 180 100
 182 94.1 46.7 140.1
 145 33.1 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 47.436 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057460.D
 Acq: 23 Aug 2019 3:13

Tgt Ion:225 Resp: 90548
 Ion Ratio Lower Upper
 225 100
 223 65.1 32.0 96.2
 227 61.7 31.5 94.5

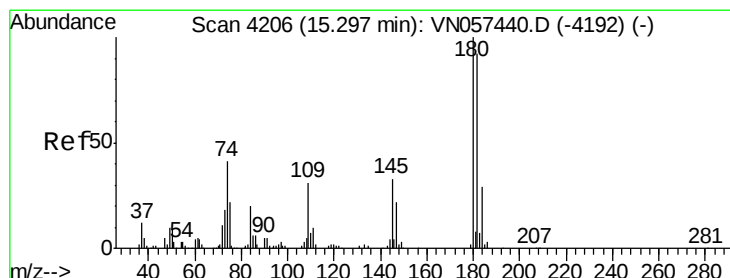
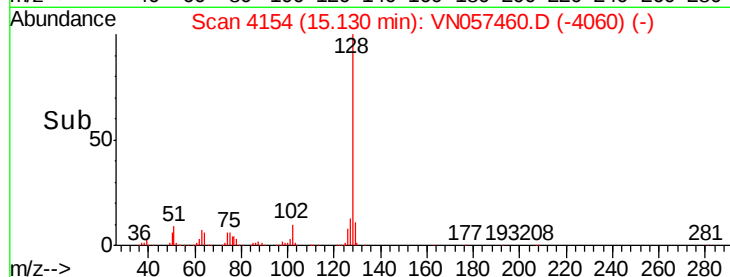
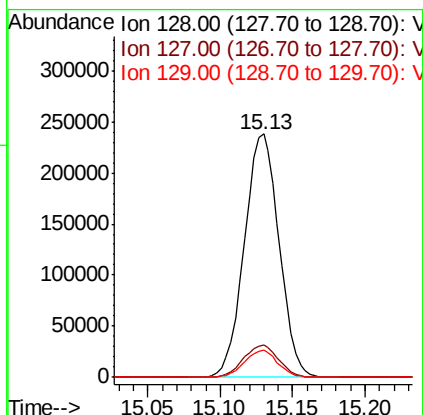
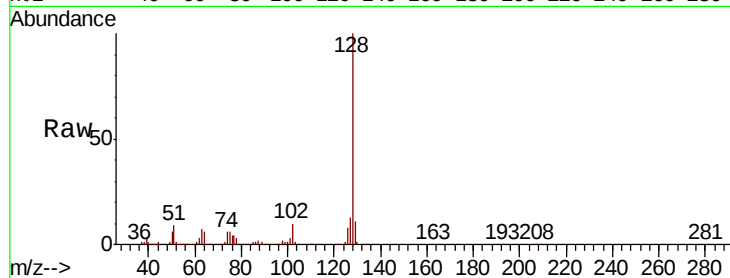




#95
Naphthalene
Concen: 41.972 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 397000
Ion Ratio Lower Upper
128 100
127 13.6 10.5 15.7
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 40.329 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057460.D
Acq: 23 Aug 2019 3:13

Tgt Ion:180 Resp: 118420
Ion Ratio Lower Upper
180 100
182 92.9 46.7 140.1
145 34.5 16.8 50.3

