

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056057.D
 Acq On : 6 Jun 2019 19:57
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jun 07 05:30:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	303077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	454109	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	408477	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182195	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	156968	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
35) Dibromofluoromethane	7.59	113	141444	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
50) Toluene-d8	10.09	98	543629	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.40	95	186904	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	167311	50.248	ug/l	100
3) Chloromethane	2.06	50	175857	53.527	ug/l	99
4) Vinyl Chloride	2.18	62	174231	52.869	ug/l	100
5) Bromomethane	2.53	94	109059	52.388	ug/l	98
6) Chloroethane	2.68	64	99508	52.078	ug/l	100
7) Trichlorofluoromethane	3.00	101	214692	51.031	ug/l	99
8) Diethyl Ether	3.40	74	88139	50.944	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	133514	52.243	ug/l	98
10) Methyl Iodide	3.94	142	195480	48.133	ug/l	99
11) Tert butyl alcohol	4.82	59	144886	276.667	ug/l	100
12) 1,1-Dichloroethene	3.72	96	132511	52.082	ug/l	97
13) Acrolein	3.60	56	45849	303.567	ug/l	98
14) Allyl chloride	4.31	41	211407	52.621	ug/l	98
15) Acrylonitrile	4.99	53	376889	295.647	ug/l	99
16) Acetone	3.82	43	326248	226.678	ug/l	99
17) Carbon Disulfide	4.04	76	298986	49.079	ug/l	99
18) Methyl Acetate	4.33	43	165936	58.796	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	433405	53.441	ug/l	100
20) Methylene Chloride	4.54	84	153827	51.877	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	141553	51.925	ug/l	97
22) Diisopropyl ether	5.96	45	442588	53.292	ug/l	98
23) Vinyl Acetate	5.90	43	1843002	281.799	ug/l	100
24) 1,1-Dichloroethane	5.84	63	252450	52.697	ug/l	100
25) 2-Butanone	6.84	43	504191	277.264	ug/l	99
26) 2,2-Dichloropropane	6.82	77	171703	45.932	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	168125	52.466	ug/l	97
28) Bromochloromethane	7.19	49	121843	53.783	ug/l	99
29) Tetrahydrofuran	7.22	42	329763	293.368	ug/l	99
30) Chloroform	7.37	83	255327	52.982	ug/l	100
31) Cyclohexane	7.65	56	232793	48.751	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	211720	52.610	ug/l	99
36) 1,1-Dichloropropene	7.79	75	188939	48.388	ug/l	99
37) Ethyl Acetate	6.93	43	198831	57.230	ug/l	100
38) Carbon Tetrachloride	7.77	117	176430	49.009	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	233315	47.966	ug/l	99
40) Benzene	8.04	78	604380	50.962	ug/l	99
41) Methacrylonitrile	7.17	41	93776	58.666	ug/l	97
42) 1,2-Dichloroethane	8.12	62	188943	49.529	ug/l	100
43) Isopropyl Acetate	8.17	43	304419	54.072	ug/l	99
44) Trichloroethene	8.83	130	168757	49.521	ug/l	99
45) 1,2-Dichloropropane	9.12	63	157717	51.920	ug/l	100
46) Dibromomethane	9.21	93	102696	51.699	ug/l	99
47) Bromodichloromethane	9.40	83	188237	52.285	ug/l	97
48) Methyl methacrylate	9.20	41	151872	55.140	ug/l	97
49) 1,4-Dioxane	9.20	88	66238	1113.951	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	980666	278.546	ug/l	99
52) Toluene	10.15	92	379307	51.399	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	196732	46.770	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	230254	53.207	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	152425	52.143	ug/l	98
56) Ethyl methacrylate	10.43	69	232787	54.585	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249343	52.470	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	401937	238.442	ug/l	100
59) 2-Hexanone	10.75	43	691386	270.952	ug/l	99
60) Dibromochloromethane	10.90	129	153218	47.645	ug/l	100
61) 1,2-Dibromoethane	11.00	107	159771	53.464	ug/l	99
64) Tetrachloroethene	10.63	164	170905	48.335	ug/l	97
65) Chlorobenzene	11.43	112	410930	50.548	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147539	52.561	ug/l	100
67) Ethyl Benzene	11.51	91	706231	49.960	ug/l	98
68) m/p-Xylenes	11.62	106	543162	100.584	ug/l	99
69) o-Xylene	11.95	106	266654	50.200	ug/l	99
70) Styrene	11.96	104	445921	52.836	ug/l	100
71) Bromoform	12.13	173	109663	46.723	ug/l #	99
73) Isopropylbenzene	12.25	105	700139	54.110	ug/l	100
74) N-amyl acetate	12.07	43	251708	51.827	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	214801	50.786	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	250373	74.683	ug/l #	100
77) Bromobenzene	12.53	156	188099	48.221	ug/l	98
78) n-propylbenzene	12.59	91	753682	48.897	ug/l	100
79) 2-Chlorotoluene	12.67	91	460778	54.085	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	578993	47.265	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	51104	50.764	ug/l	92
82) 4-Chlorotoluene	12.77	91	447059	49.576	ug/l	100
83) tert-Butylbenzene	12.99	119	506188	53.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	571450	49.192	ug/l	100
85) sec-Butylbenzene	13.17	105	657382	48.159	ug/l	99
86) p-Isopropyltoluene	13.29	119	598817	49.017	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	301084	49.871	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	289107	49.781	ug/l	99
89) n-Butylbenzene	13.61	91	453870	50.153	ug/l	100
90) Hexachloroethane	13.87	117	91396	49.609	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	299672	49.165	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	33304	55.052	ug/l	98

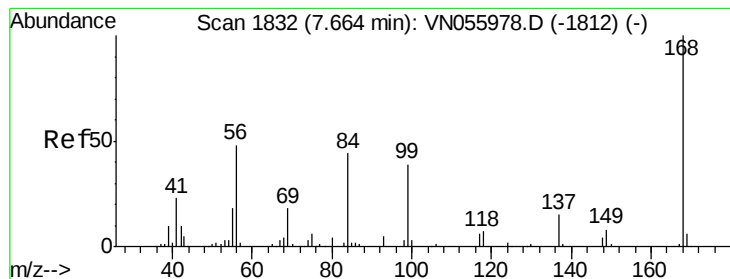
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	146420	44.139	ug/l	100
94) Hexachlorobutadiene	15.01	225	106536	51.003	ug/l	99
95) Naphthalene	15.13	128	415476	47.856	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	162384	47.593	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

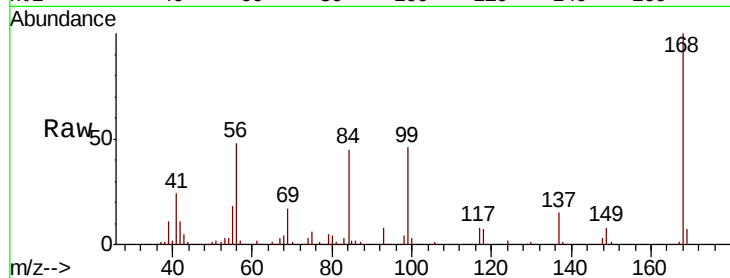
VSTDCCC050EC

Tot Ion:168 Resp: 303077

Ion Ratio Lower Upper

168 100

99 45.3 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

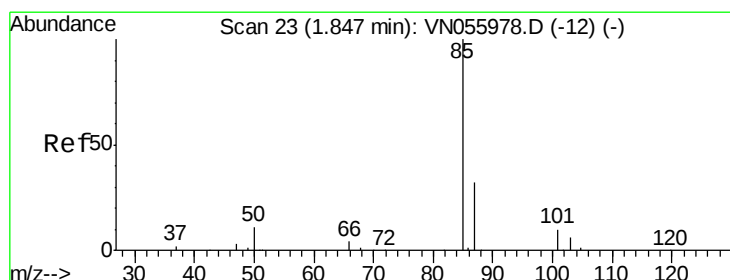
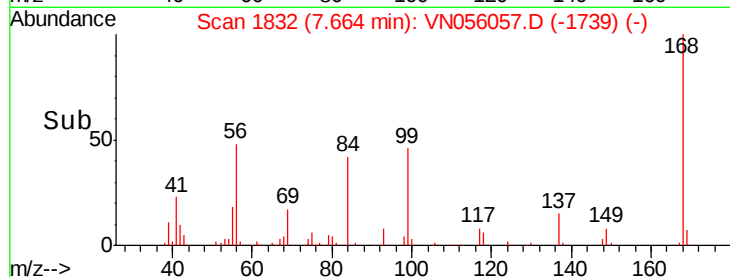
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.248 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056057.D

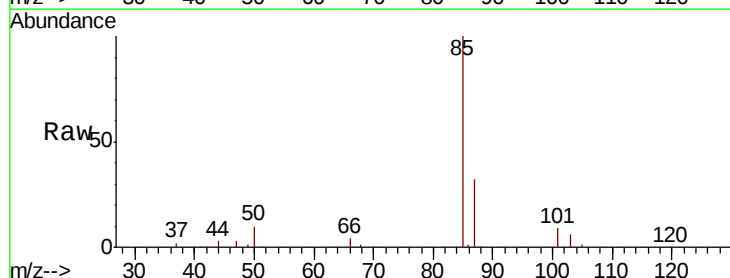
Acq: 6 Jun 2019 19:57

Tgt Ion: 85 Resp: 167311

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

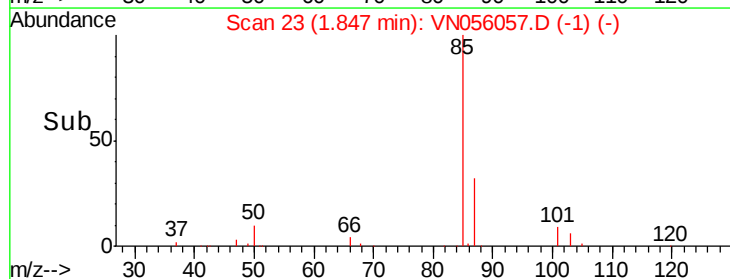
60000

40000

20000

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Time-->





#3

Chloromethane

Concen: 53.527 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

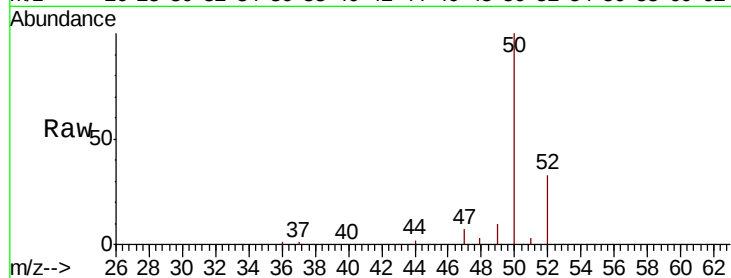
VSTDCCC050EC

Tot Ion: 50 Resp: 175857

Ion Ratio Lower Upper

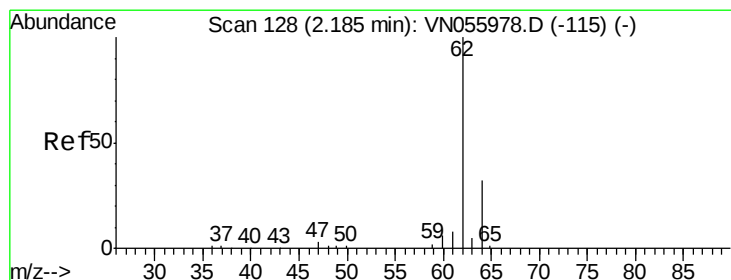
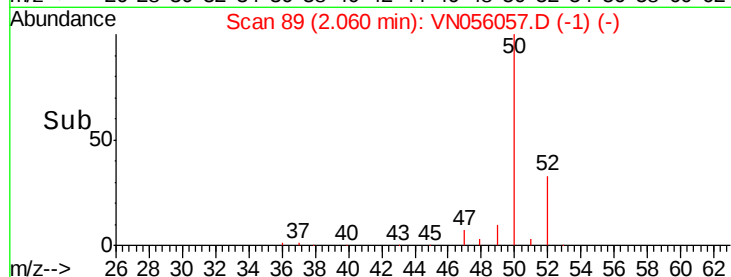
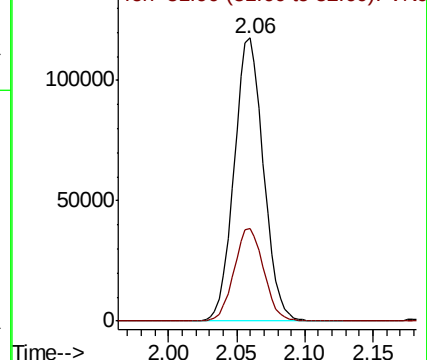
50 100

52 32.9 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 52.869 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056057.D

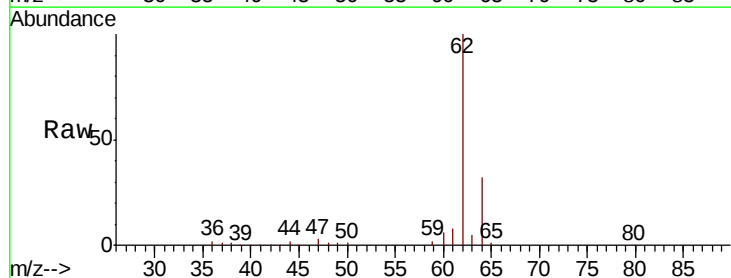
Acq: 6 Jun 2019 19:57

Tgt Ion: 62 Resp: 174231

Ion Ratio Lower Upper

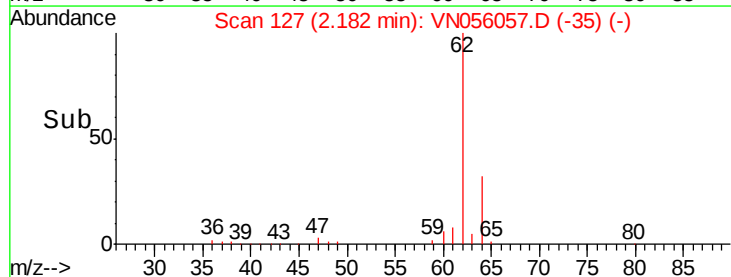
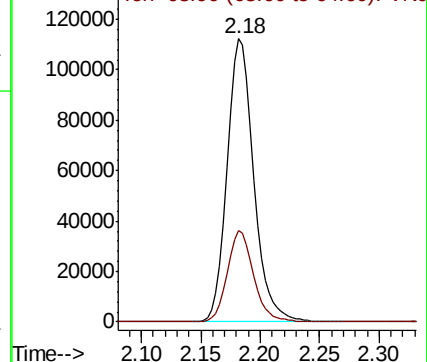
62 100

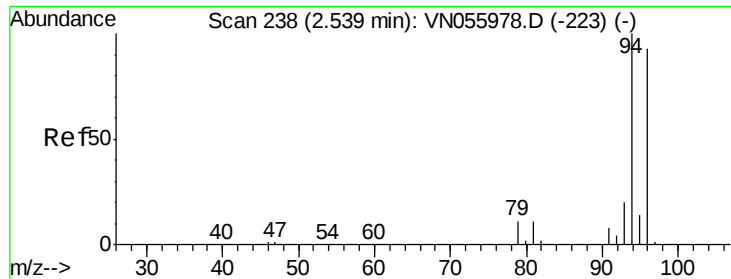
64 32.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

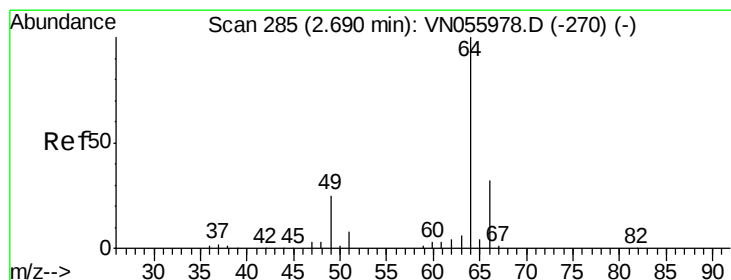
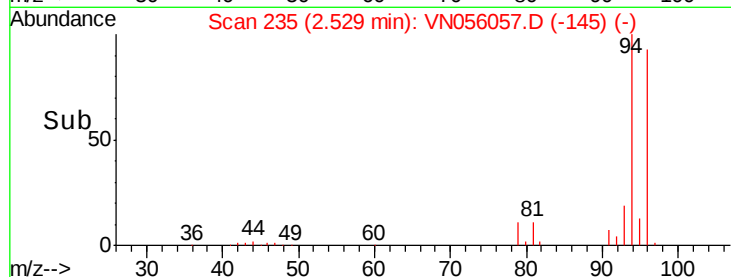
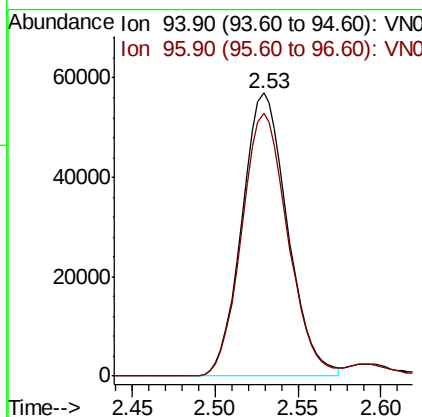
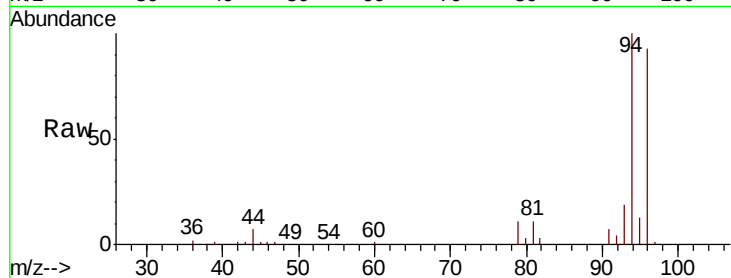




#5
Bromomethane
Concen: 52.388 ug/l
RT: 2.53 min Scan# 235
Delta R.T. -0.01 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

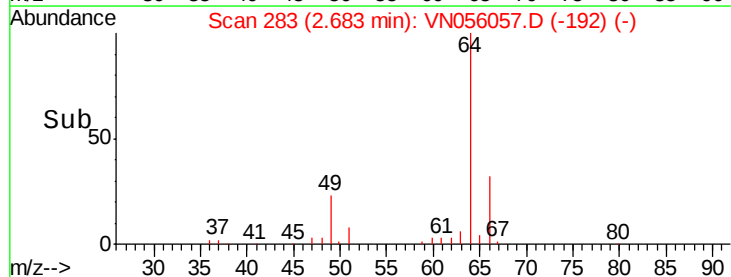
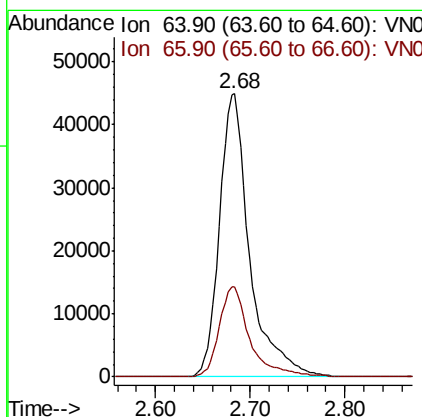
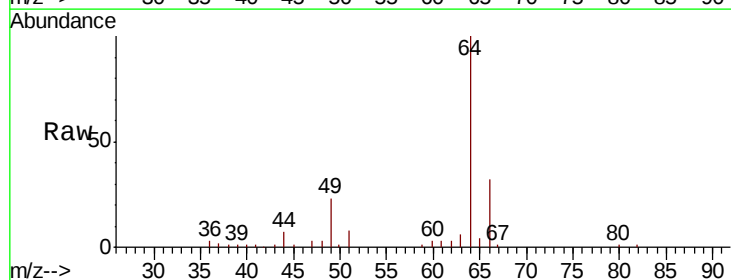
Instrument :
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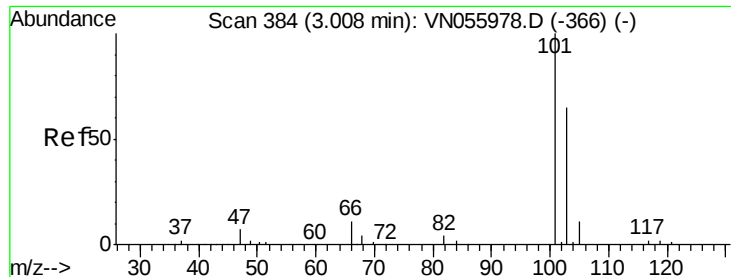
Tot Ion: 94 Resp: 109059
Ion Ratio Lower Upper
94 100
96 92.7 75.5 113.3



#6
Chloroethane
Concen: 52.078 ug/l
RT: 2.68 min Scan# 283
Delta R.T. -0.01 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 64 Resp: 99508
Ion Ratio Lower Upper
64 100
66 31.6 25.4 38.0



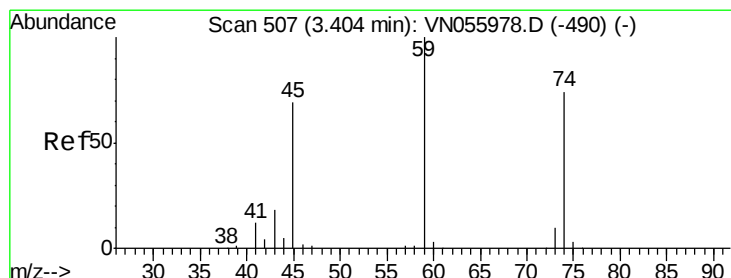
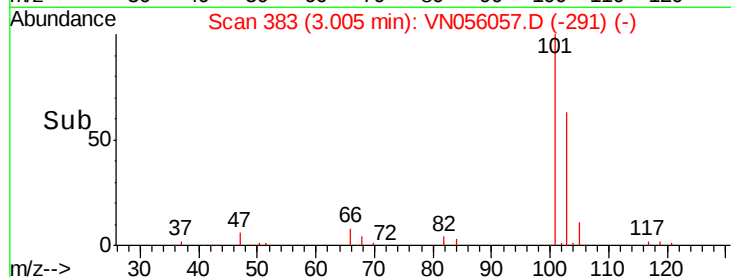
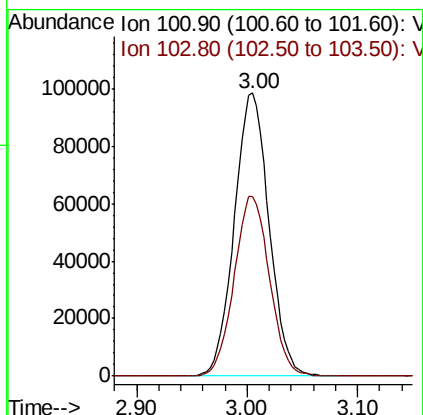
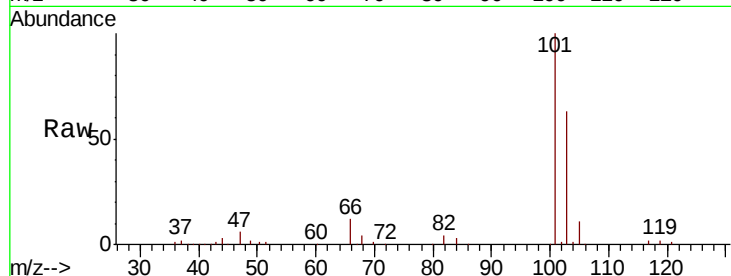


#7

Trichlorofluoromethane
Concen: 51.031 ug/l
RT: 3.00 min Scan# 383
Delta R.T. -0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
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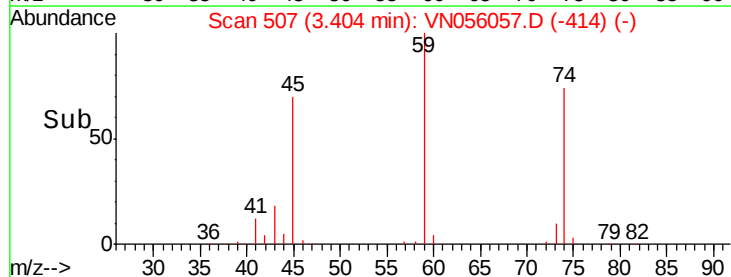
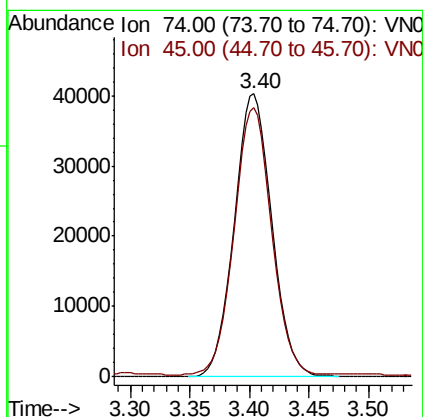
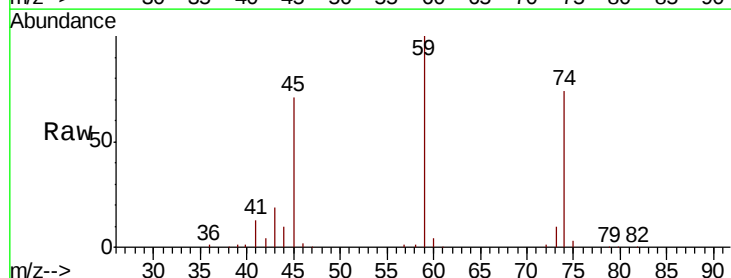
Tot Ion:101 Resp: 214692
Ion Ratio Lower Upper
101 100
103 63.4 51.2 76.8

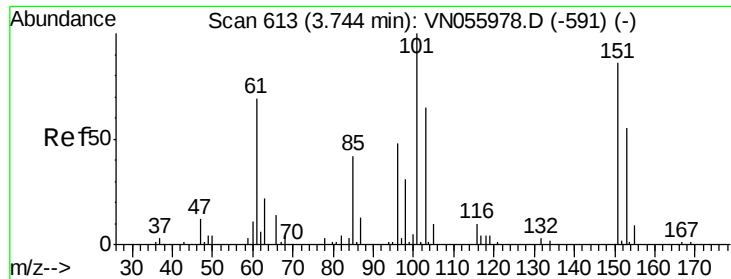


#8

Diethyl Ether
Concen: 50.944 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 74 Resp: 88139
Ion Ratio Lower Upper
74 100
45 93.5 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.243 ug/l

RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

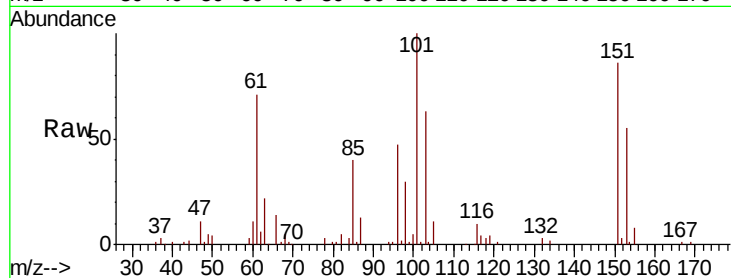
Tot Ion:101 Resp: 133514

Ion Ratio Lower Upper

101 100

85 40.7 33.4 50.2

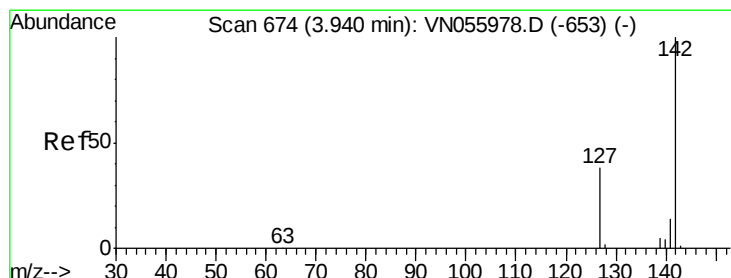
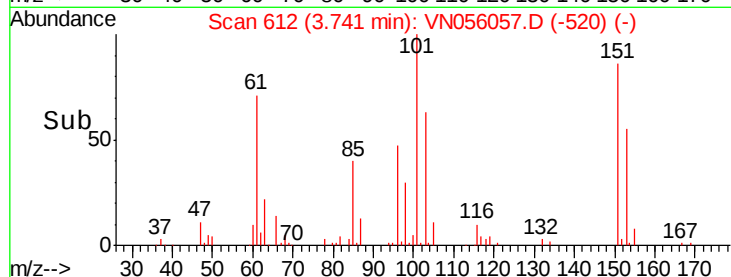
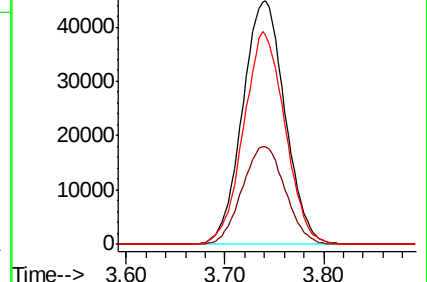
151 85.1 69.4 104.2



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: 48.133 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

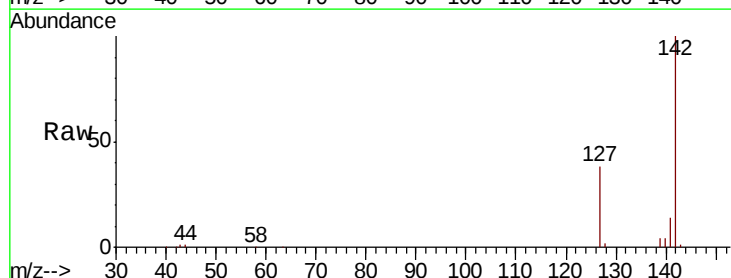
Tgt Ion:142 Resp: 195480

Ion Ratio Lower Upper

142 100

127 37.9 31.0 46.4

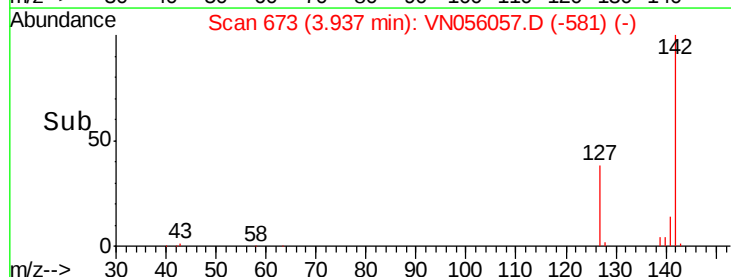
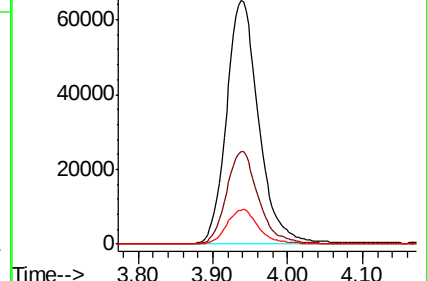
141 14.0 11.4 17.0



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



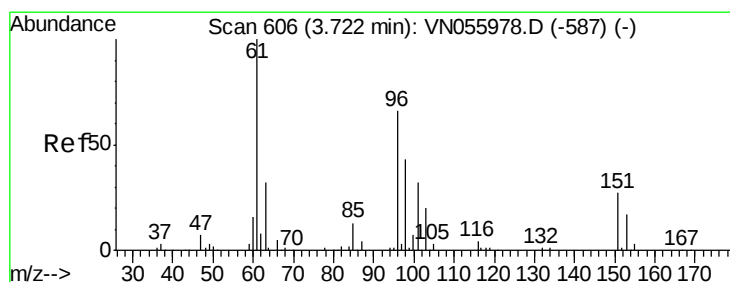
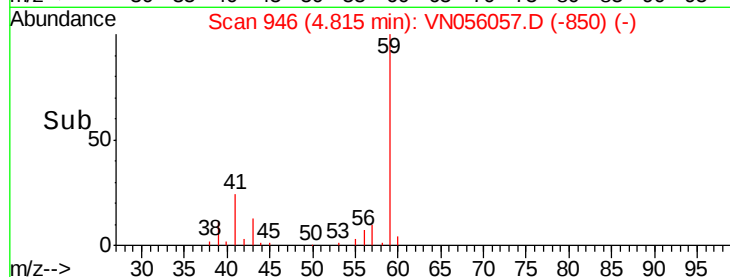
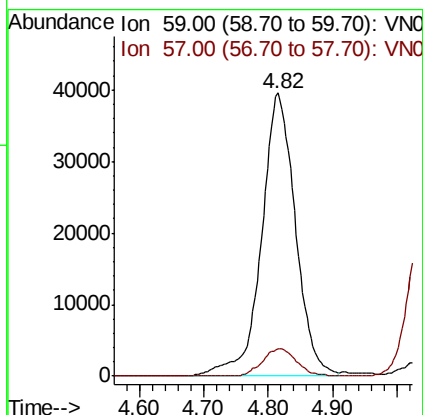
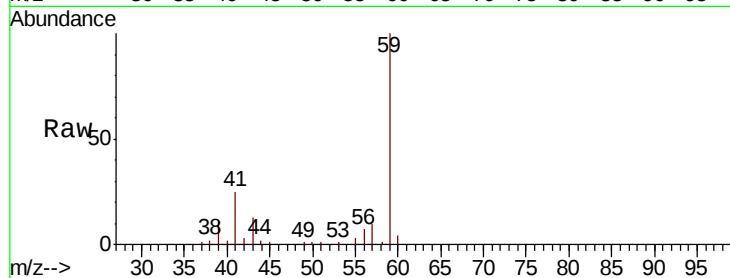


#11

Tert butyl alcohol
 Concen: 276.667 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

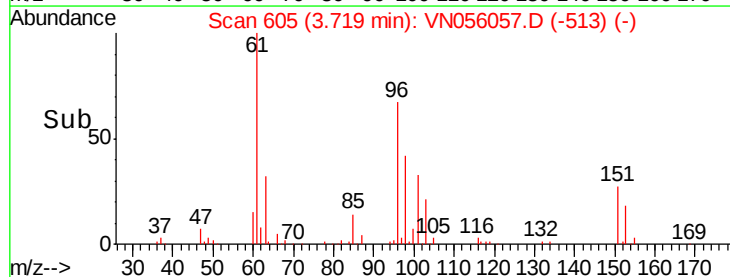
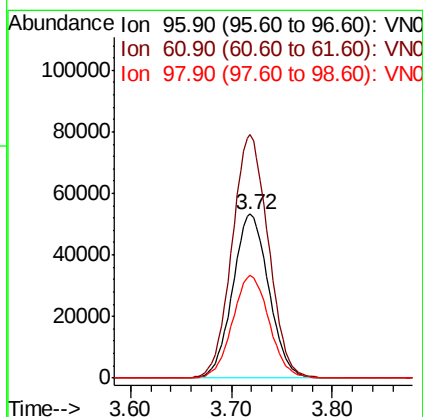
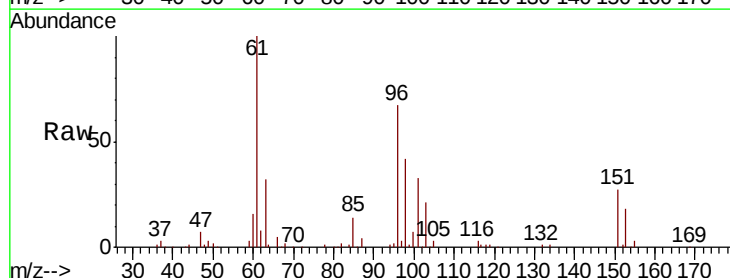
Tot Ion: 59 Resp: 144886
 Ion Ratio Lower Upper
 59 100
 57 9.6 7.8 11.6

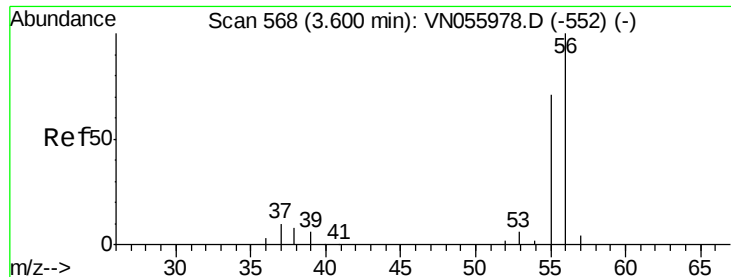


#12

1,1-Dichloroethene
 Concen: 52.082 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion: 96 Resp: 132511
 Ion Ratio Lower Upper
 96 100
 61 148.5 123.2 184.8
 98 62.5 50.4 75.6





#13

Acrolein

Concen: 303.567 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

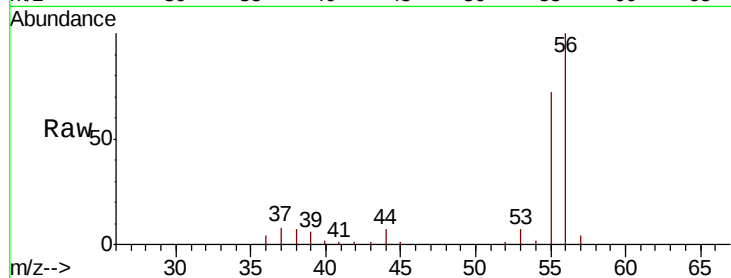
VSTDCCC050EC

Tot Ion: 56 Resp: 45849

Ion Ratio Lower Upper

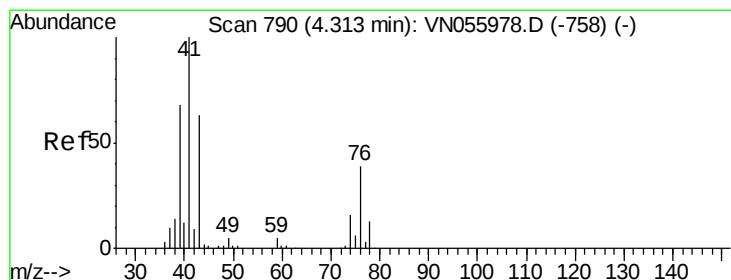
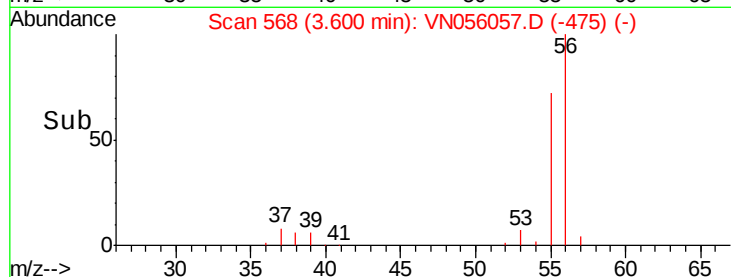
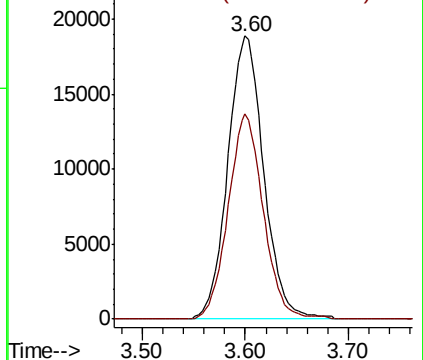
56 100

55 70.6 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.621 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

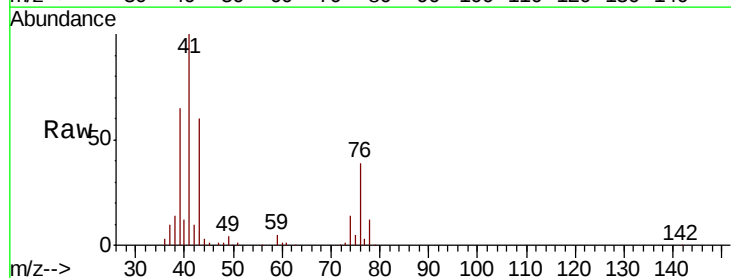
Tgt Ion: 41 Resp: 211407

Ion Ratio Lower Upper

41 100

39 60.7 50.0 75.0

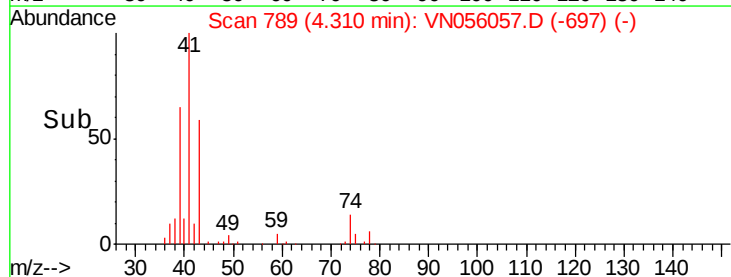
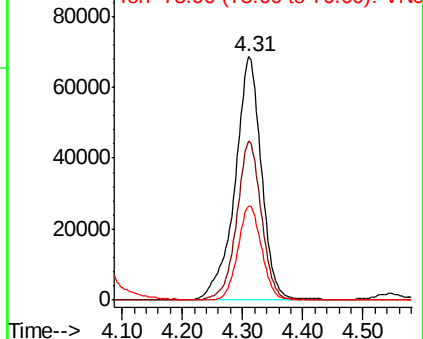
76 34.7 28.2 42.2

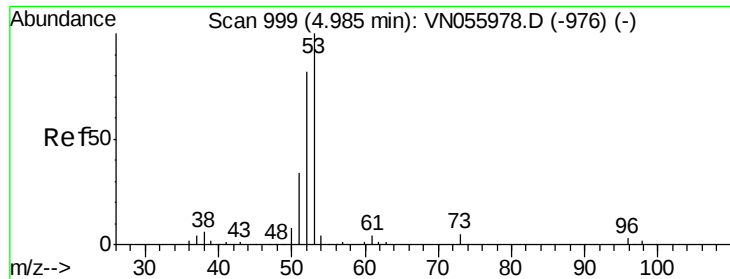


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 295.647 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

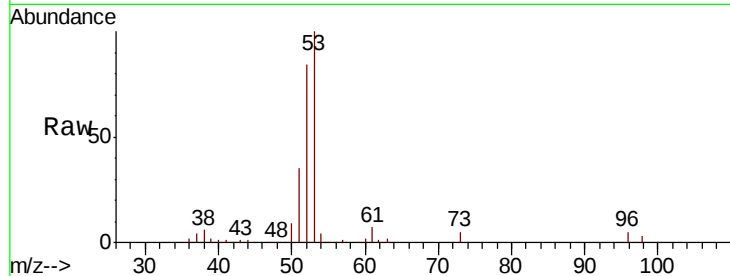
Tot Ion: 53 Resp: 376889

Ion Ratio Lower Upper

53 100

52 83.0 65.8 98.8

51 35.4 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055978.D (-976) (-)

Ion 52.00 (51.70 to 52.70): VN055978.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VN055978.D (-976) (-)

4.99

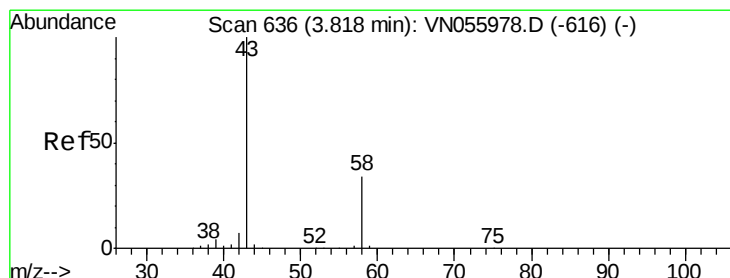
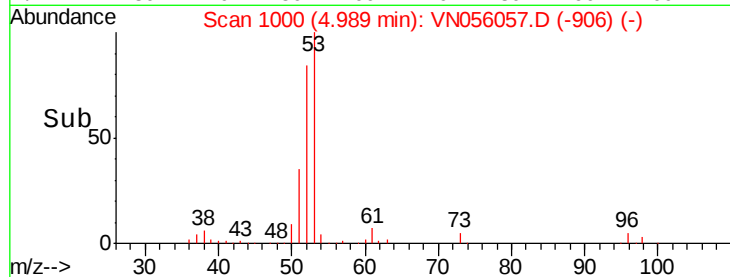
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 226.678 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056057.D

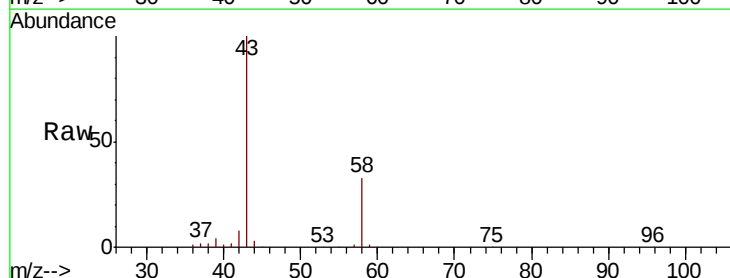
Acq: 6 Jun 2019 19:57

Tgt Ion: 43 Resp: 326248

Ion Ratio Lower Upper

43 100

58 32.9 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-616) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-616) (-)

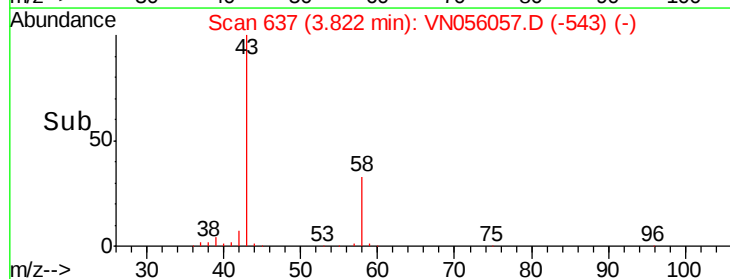
3.82

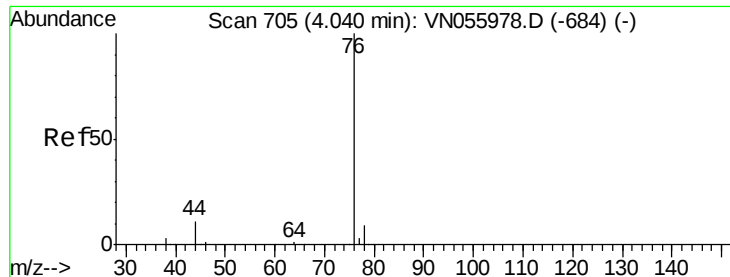
100000

50000

0

Time-->

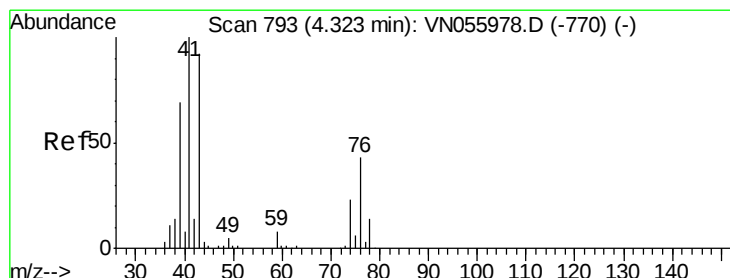
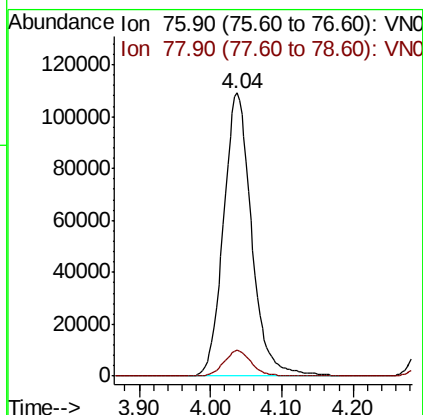
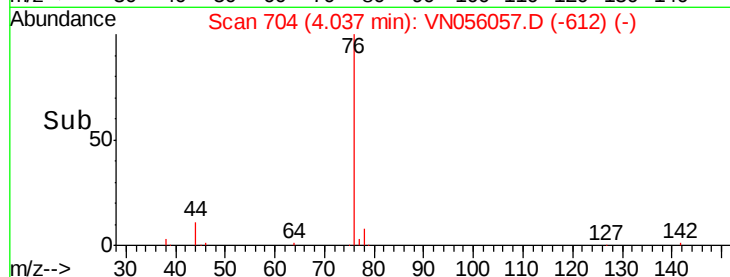
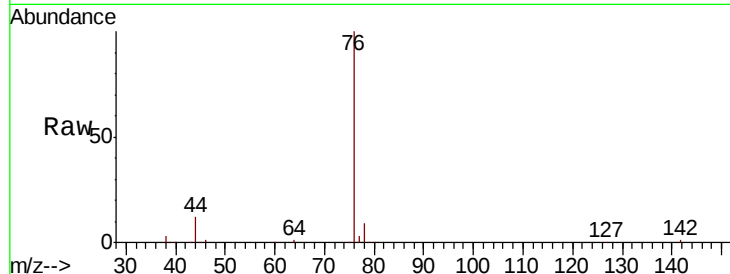




#17
Carbon Disulfide
Concen: 49.079 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

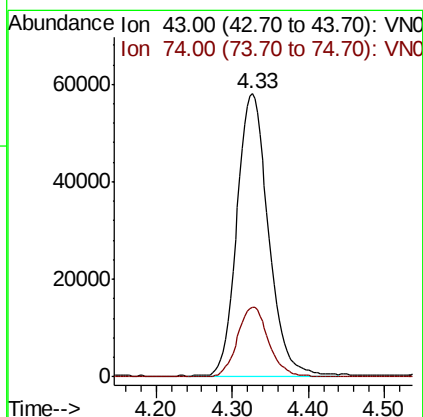
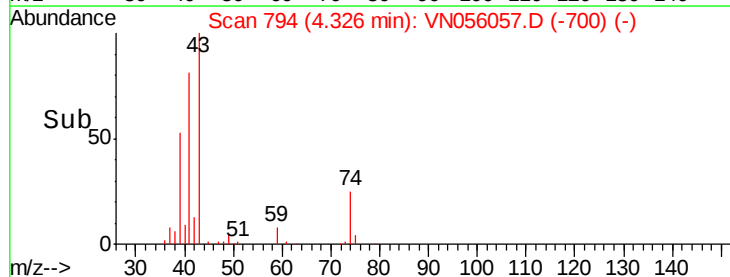
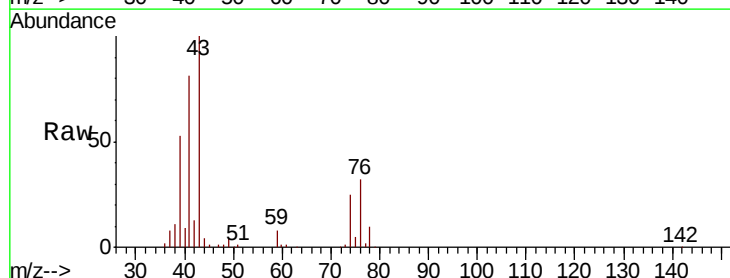
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 298986
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#18
Methyl Acetate
Concen: 58.796 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 43 Resp: 165936
Ion Ratio Lower Upper
43 100
74 24.6 19.3 28.9

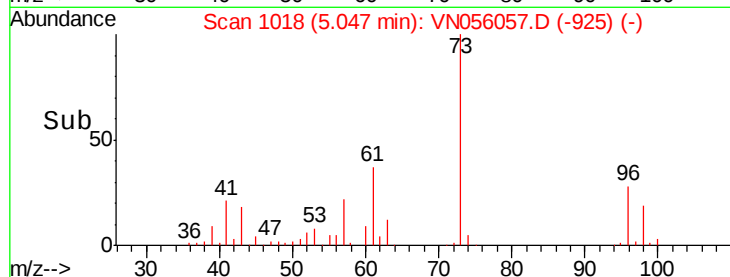
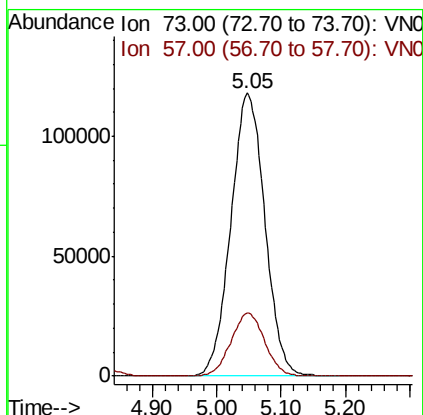
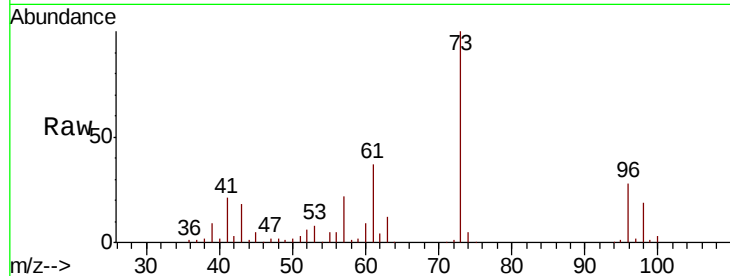




#19
Methvl tert-butvl Ether
Concen: 53.441 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

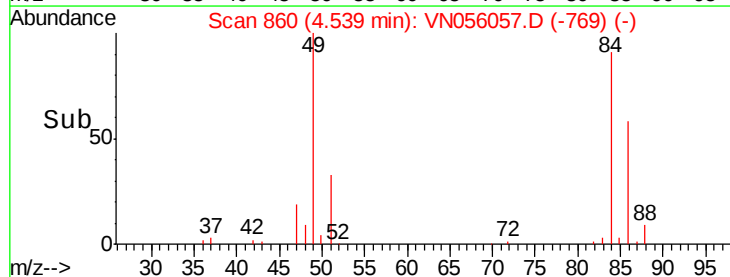
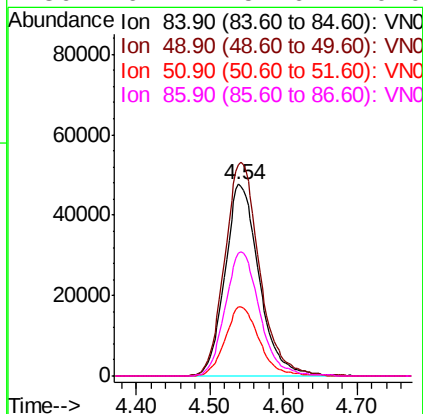
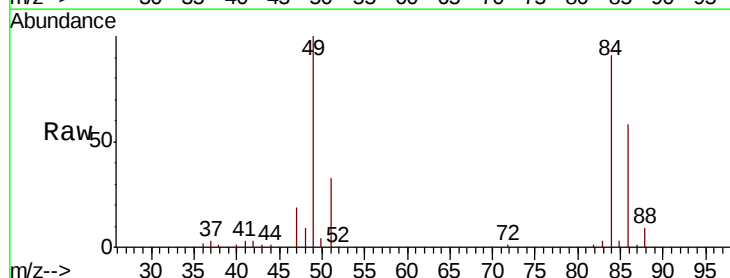
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

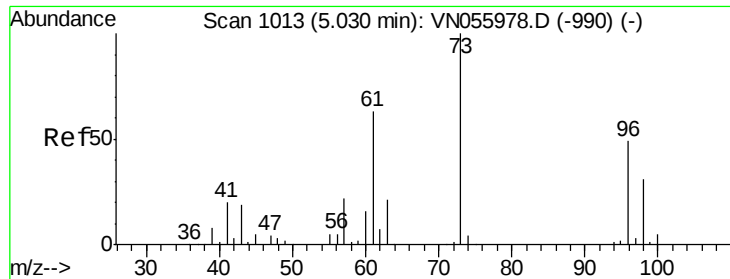
Tot Ion: 73 Resp: 433405
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.8



#20
Methylene Chloride
Concen: 51.877 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 84 Resp: 153827
Ion Ratio Lower Upper
84 100
49 110.1 93.5 140.3
51 35.8 28.6 43.0
86 64.2 52.6 79.0

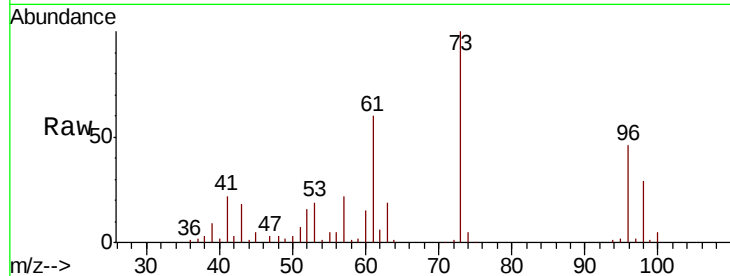




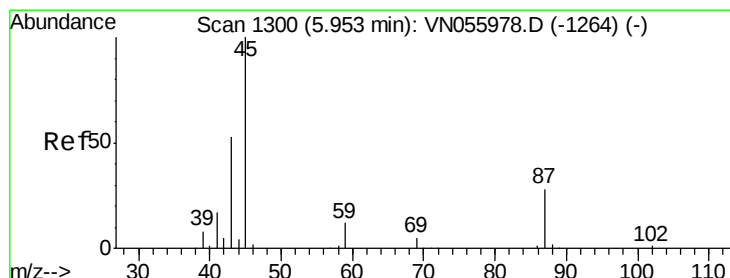
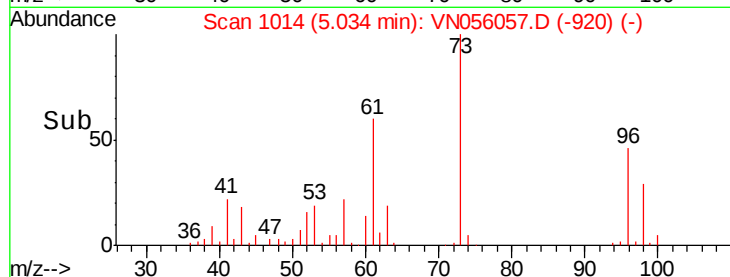
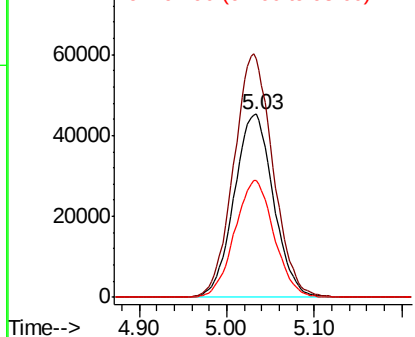
#21
trans-1,2-Dichloroethene
Concen: 51.925 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 141553
Ion Ratio Lower Upper
96 100
61 130.2 107.8 161.8
98 63.8 49.8 74.8

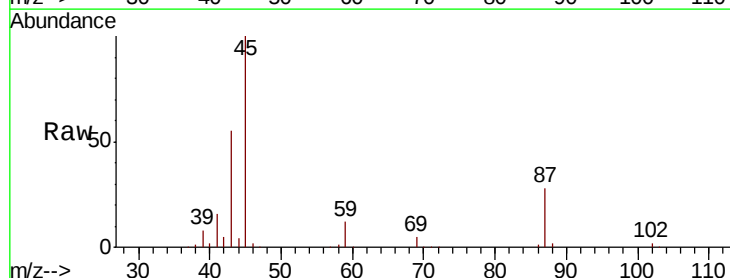


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

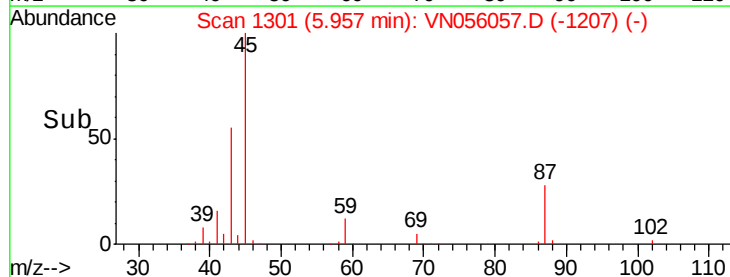
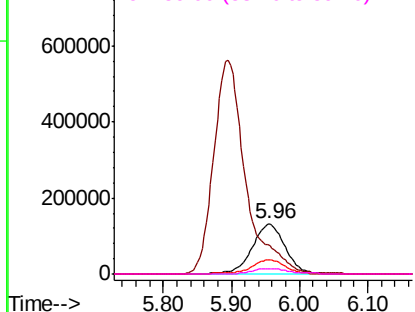


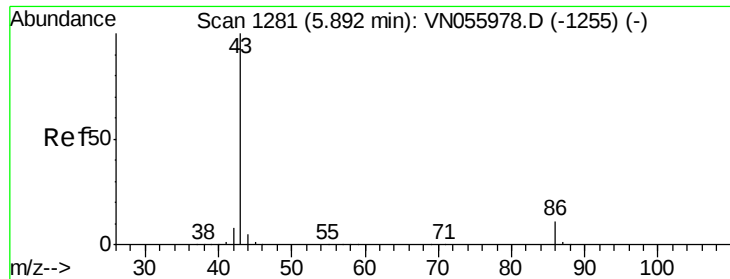
#22
Diisopropyl ether
Concen: 53.292 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 45 Resp: 442588
Ion Ratio Lower Upper
45 100
43 53.9 45.0 67.6
87 28.3 22.2 33.4
59 11.3 9.1 13.7



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





#23

Vinyl Acetate

Concen: 281.799 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

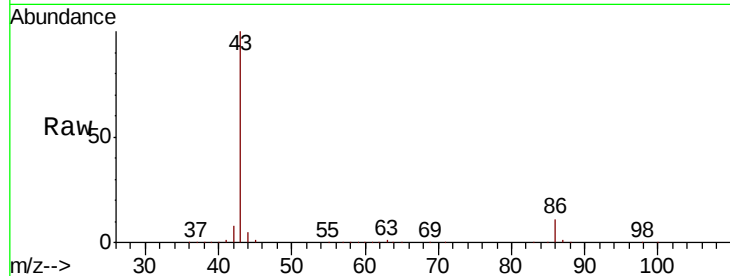
VSTDCCC050EC

Tot Ion: 43 Resp: 1843002

Ion Ratio Lower Upper

43 100

86 11.0 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

600000

500000

400000

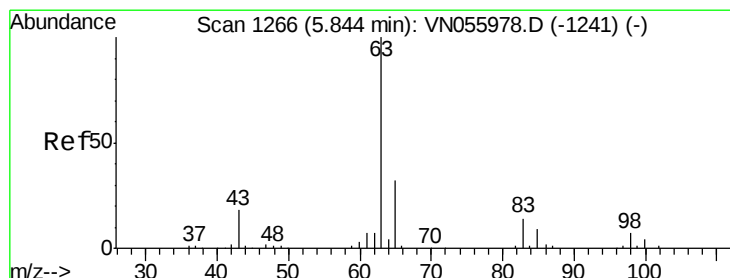
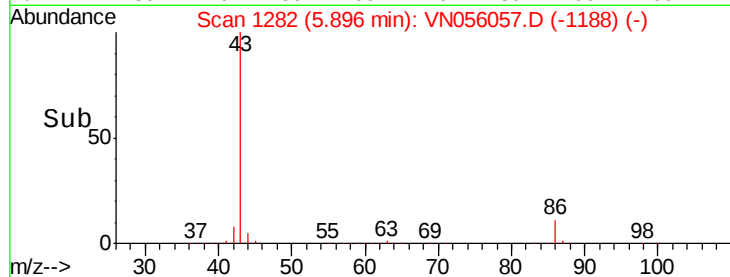
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.697 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

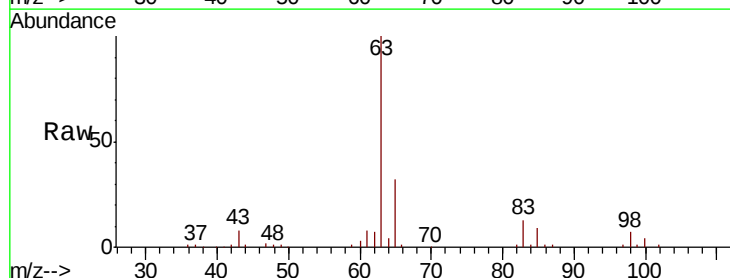
Tgt Ion: 63 Resp: 252450

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

100 4.5 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

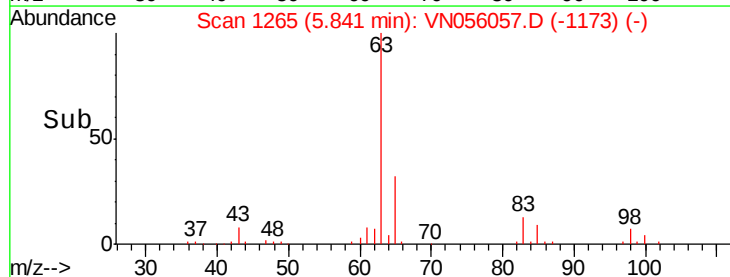
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 277.264 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

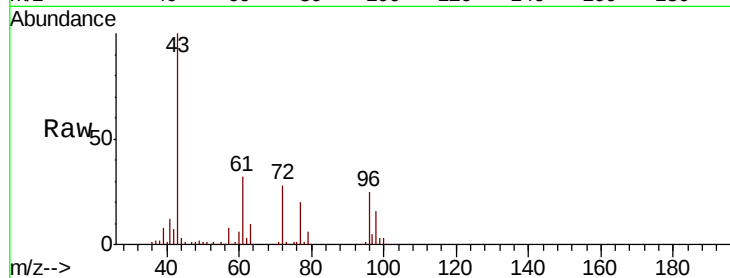
VSTDCCC050EC

Tot Ion: 43 Resp: 504191

Ion Ratio Lower Upper

43 100

72 27.9 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

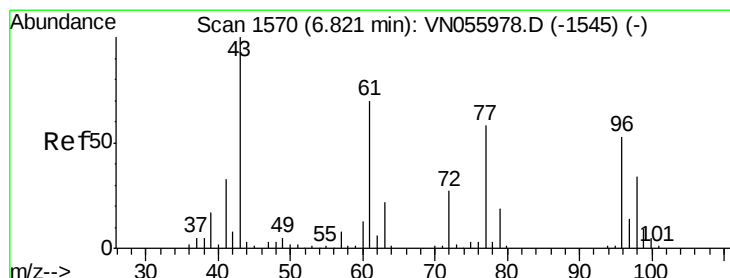
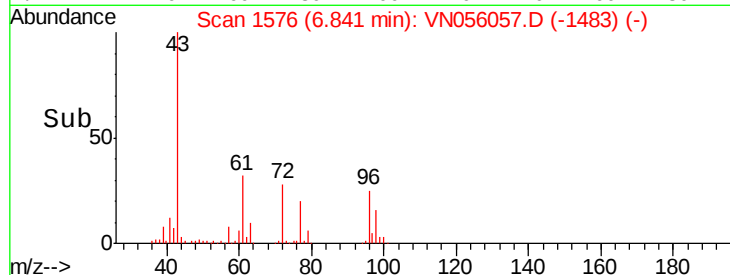
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.932 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN056057.D

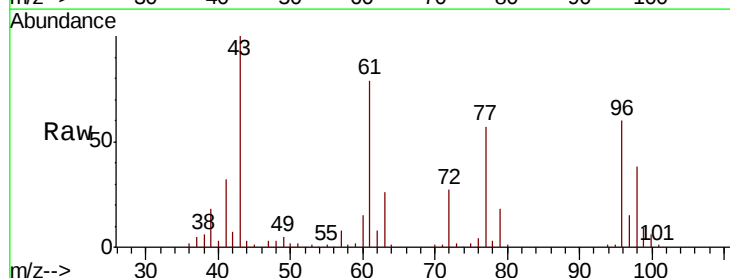
Acq: 6 Jun 2019 19:57

Tgt Ion: 77 Resp: 171703

Ion Ratio Lower Upper

77 100

97 25.1 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.82

60000

50000

40000

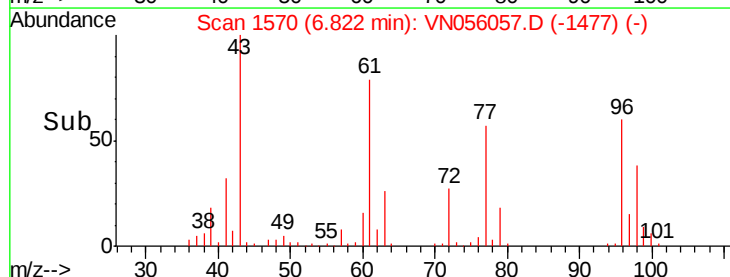
30000

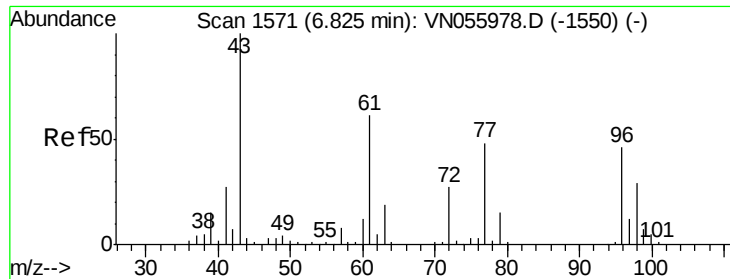
20000

10000

0

Time-->

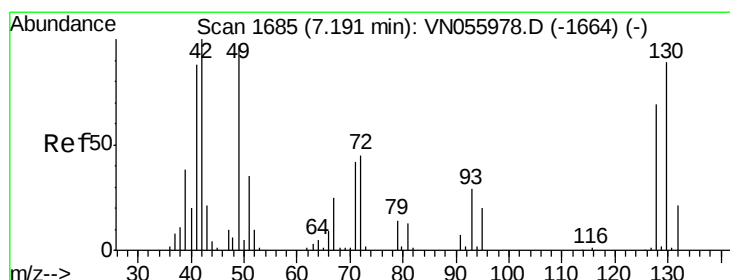
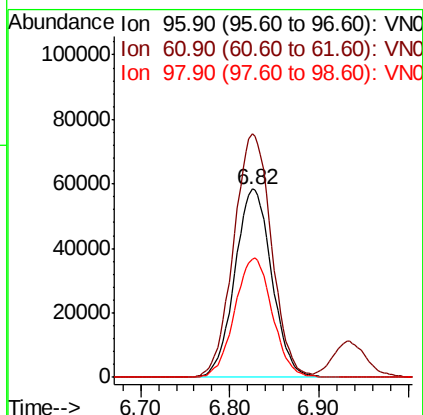
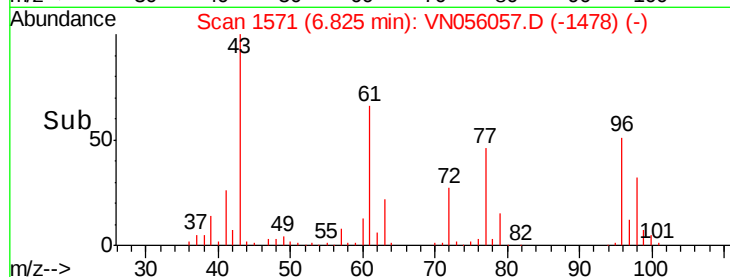
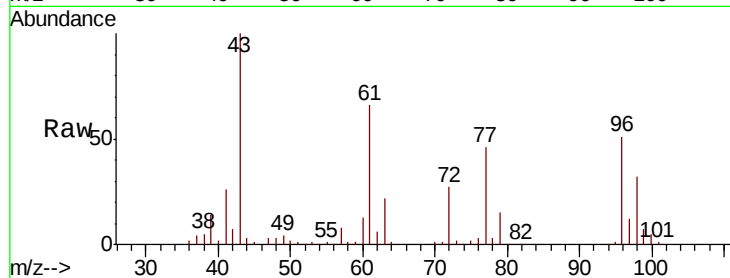




#27
 cis-1,2-Dichloroethene
 Concen: 52.466 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

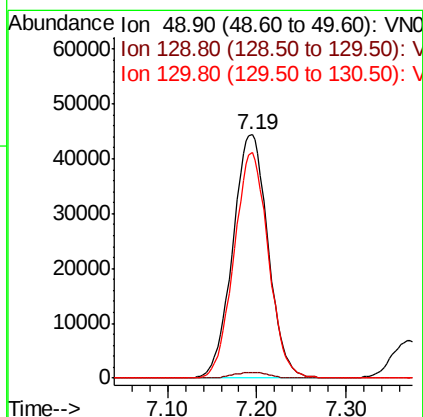
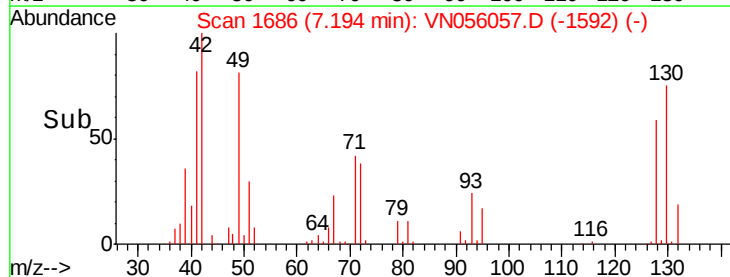
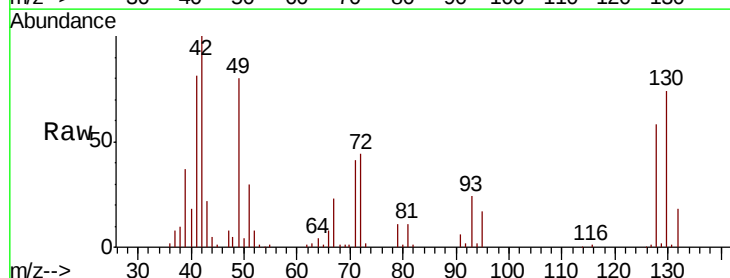
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

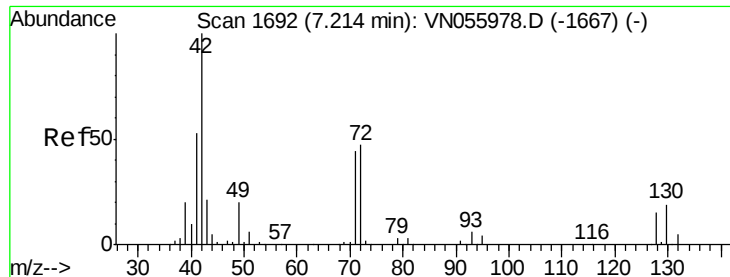
Tot Ion: 96 Resp: 168125
 Ion Ratio Lower Upper
 96 100
 61 132.2 0.0 275.8
 98 64.4 0.0 128.4



#28
 Bromochloromethane
 Concen: 53.783 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion: 49 Resp: 121843
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 90.1 71.2 106.8





#29

Tetrahydrofuran

Concen: 293.368 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

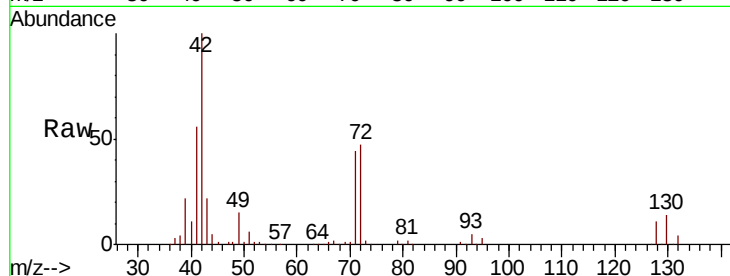
Tot Ion: 42 Resp: 329763

Ion Ratio Lower Upper

42 100

72 45.4 35.9 53.9

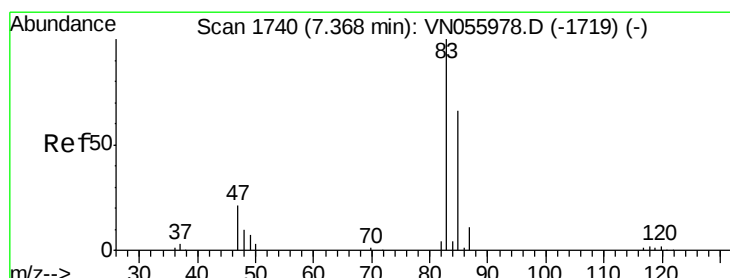
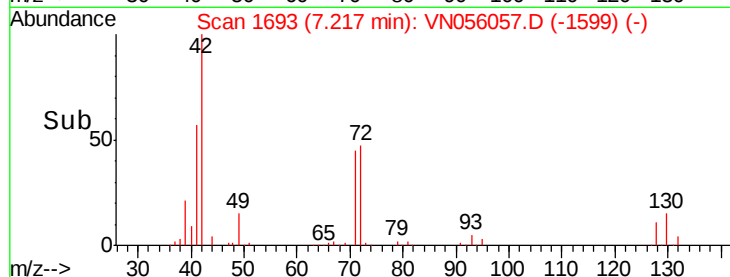
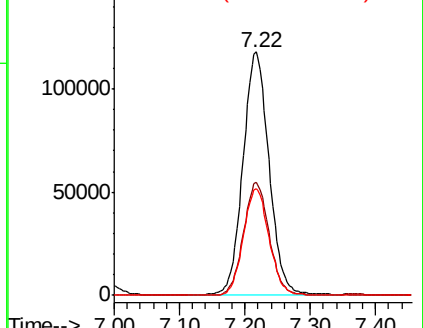
71 43.1 34.0 51.0



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: 52.982 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056057.D

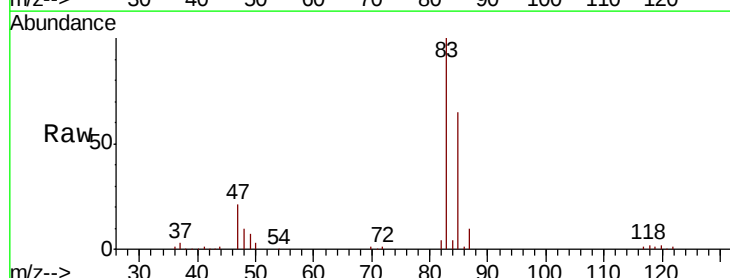
Acq: 6 Jun 2019 19:57

Tgt Ion: 83 Resp: 255327

Ion Ratio Lower Upper

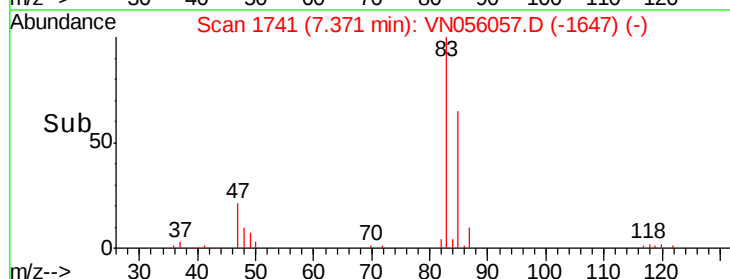
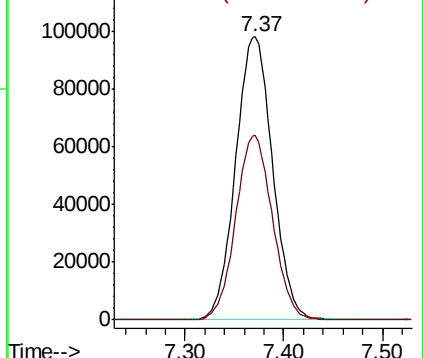
83 100

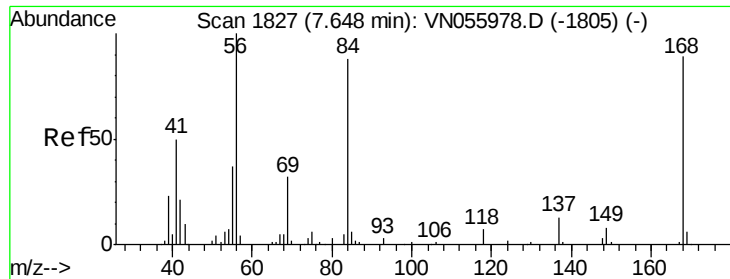
85 65.1 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

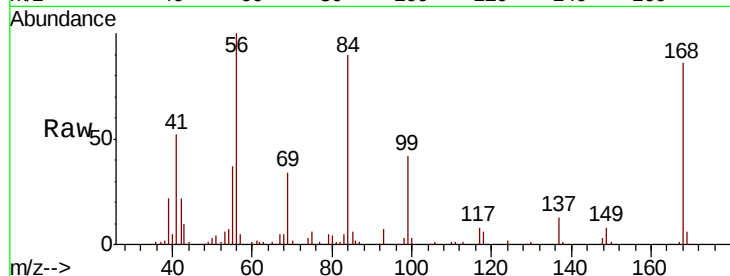




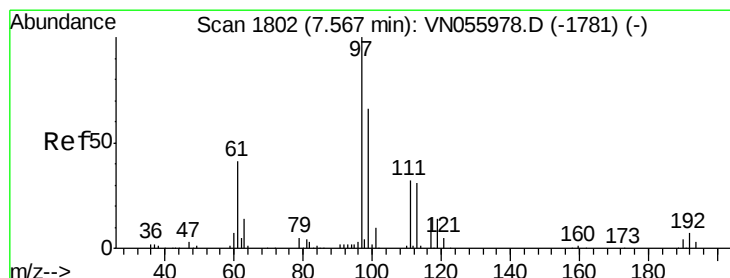
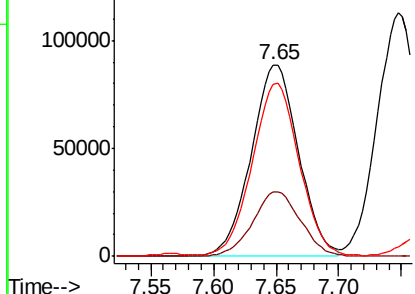
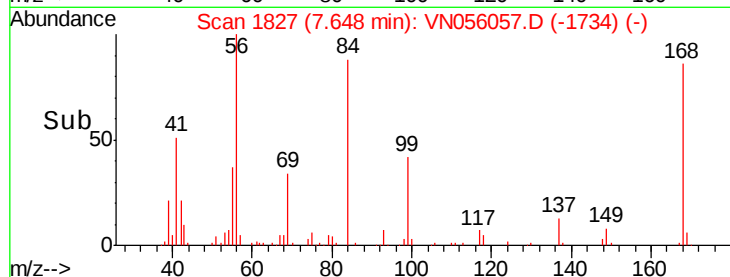
#31
Cyclohexane
Concen: 48.751 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 232793
Ion Ratio Lower Upper
56 100
69 33.7 25.6 38.4
84 88.6 67.4 101.0

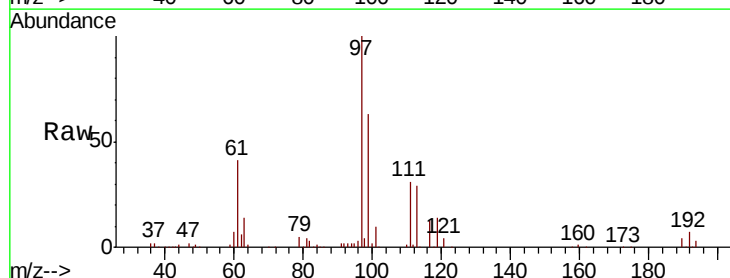


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

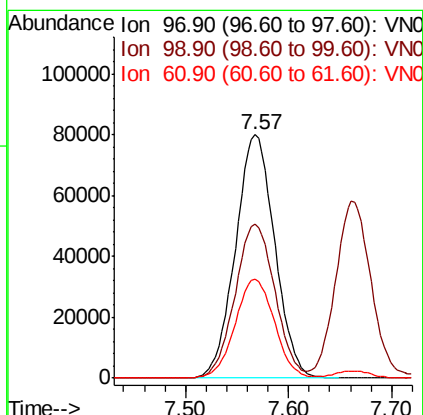
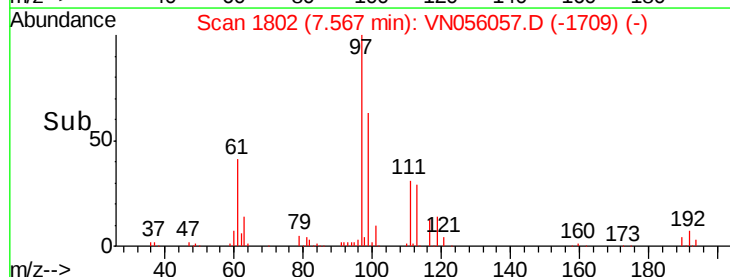


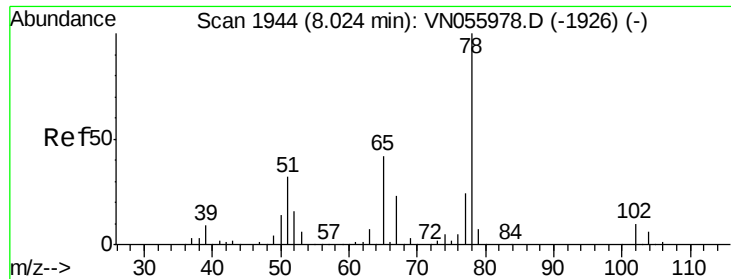
#32
1,1,1-Trichloroethane
Concen: 52.610 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 97 Resp: 211720
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 40.9 32.9 49.3



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

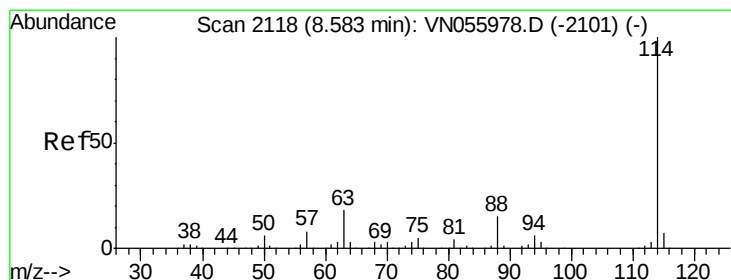
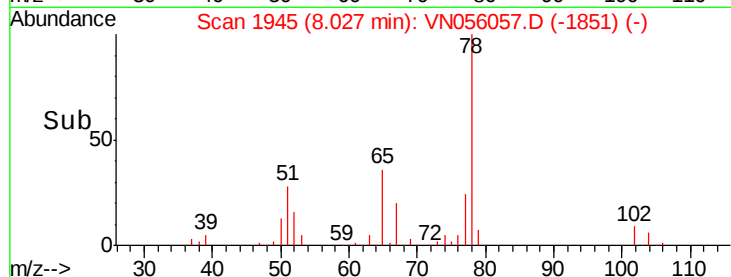
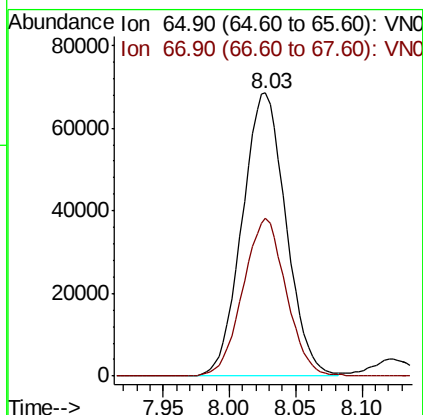
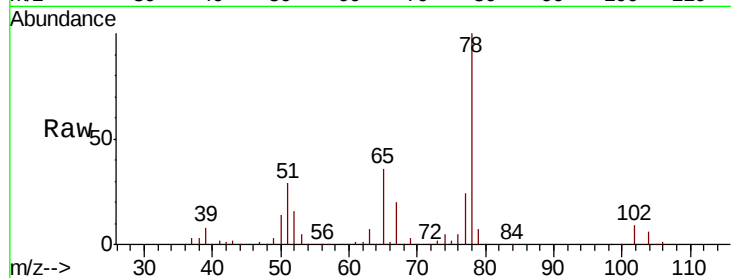




#33
 1,2-Dichloroethane-d4
 Concen: 52.161 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

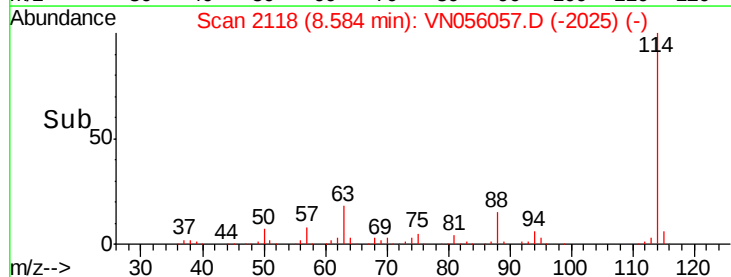
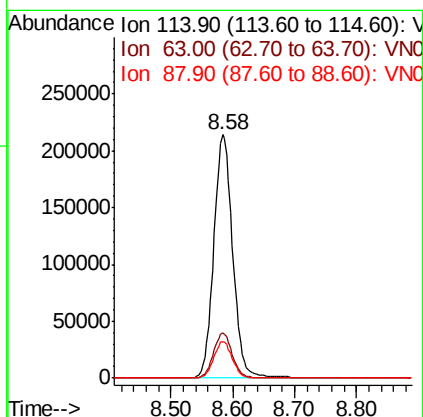
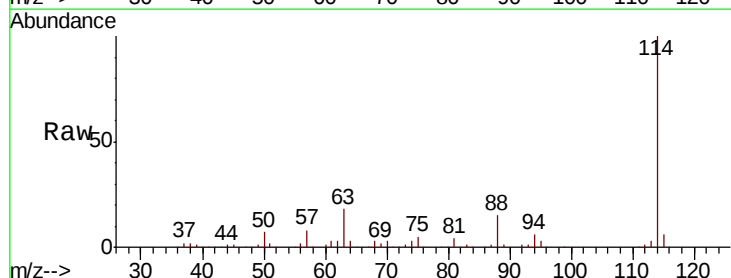
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

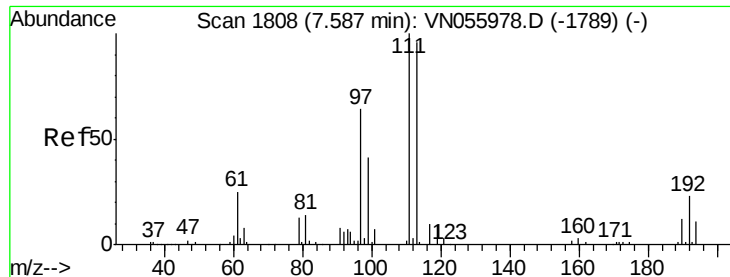
Tot Ion: 65 Resp: 156968
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion: 114 Resp: 454109
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 15.1 0.0 31.0

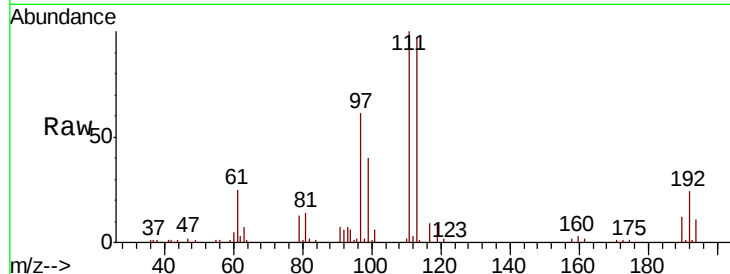




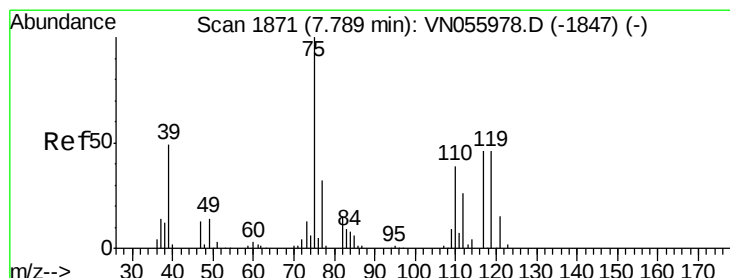
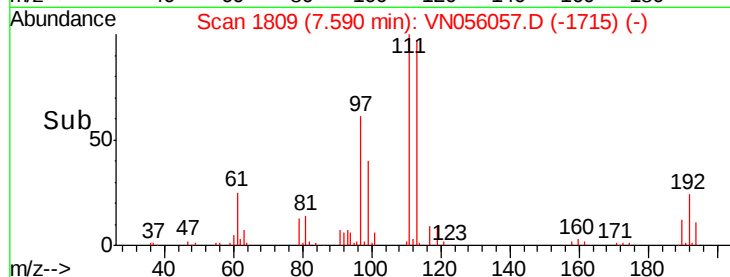
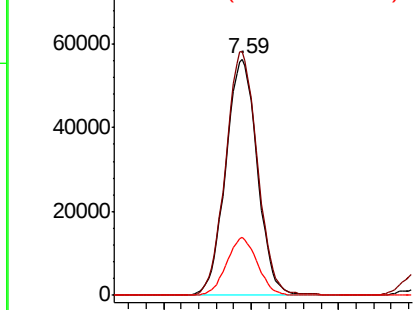
#35
 Dibromofluoromethane
 Concen: 50.768 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 141444
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.9 122.9
 192 23.8 19.5 29.3

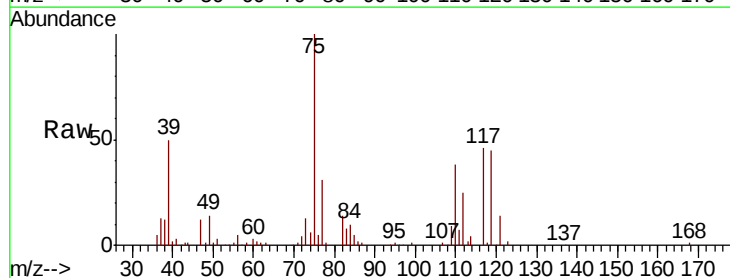


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

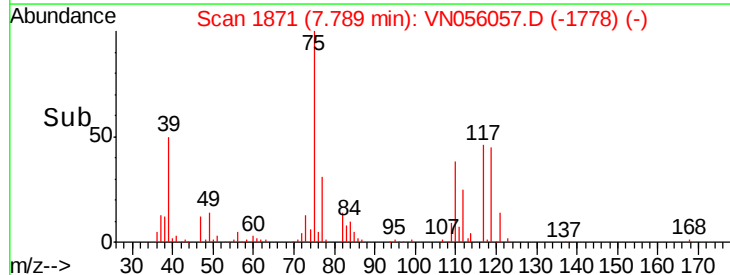
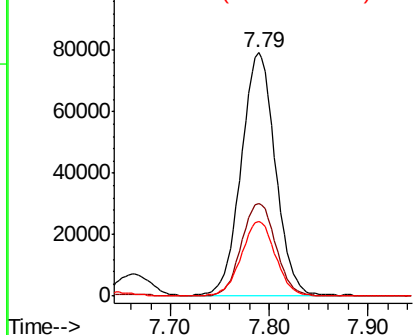


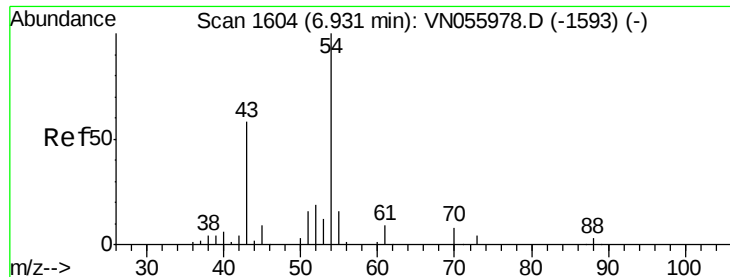
#36
 1,1-Dichloropropene
 Concen: 48.388 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion: 75 Resp: 188939
 Ion Ratio Lower Upper
 75 100
 110 38.6 19.0 57.0
 77 31.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

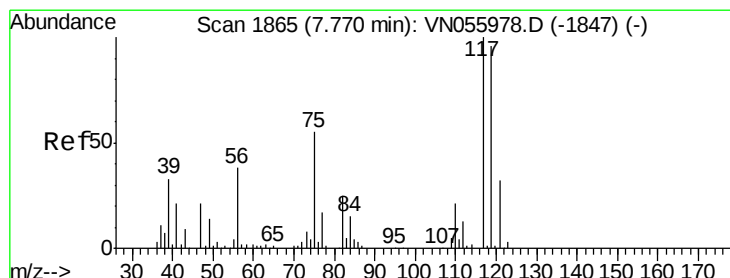
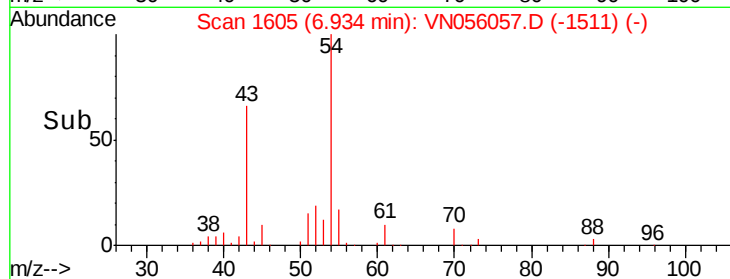
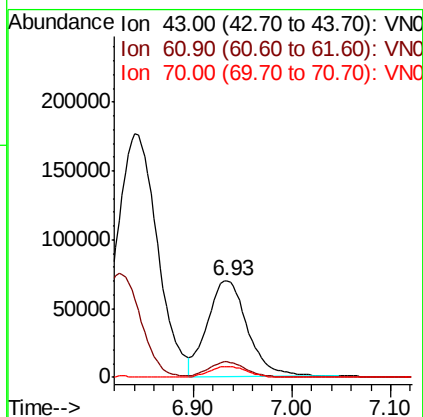
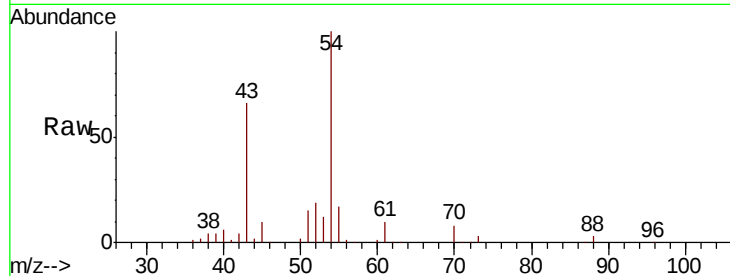




#37
Ethyl Acetate
Concen: 57.230 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

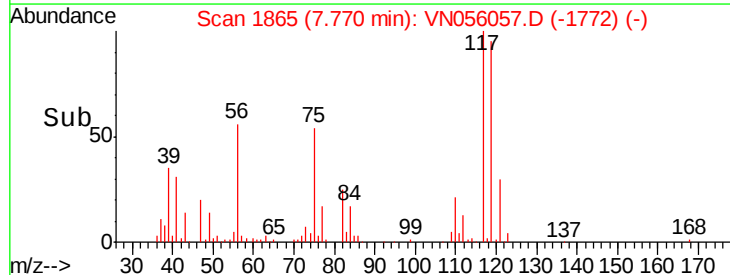
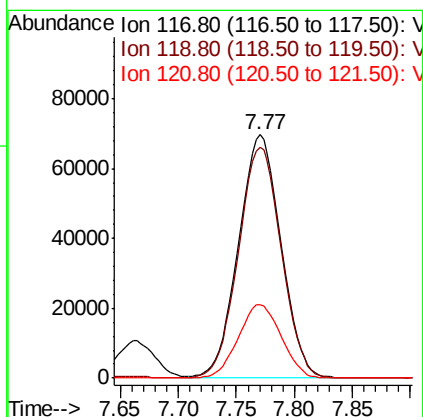
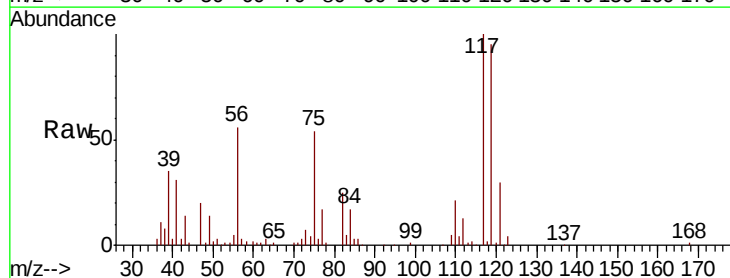
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

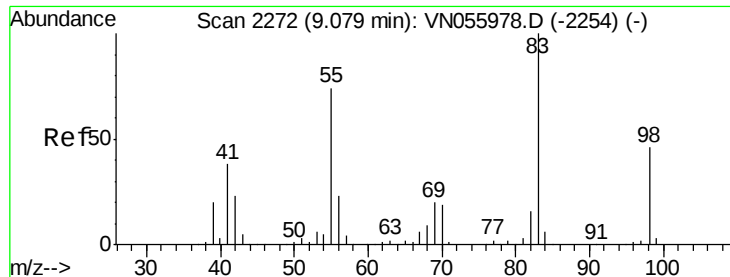
Tot Ion: 43 Resp: 198831
Ion Ratio Lower Upper
43 100
61 15.2 12.2 18.2
70 11.0 8.9 13.3



#38
Carbon Tetrachloride
Concen: 49.009 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 117 Resp: 176430
Ion Ratio Lower Upper
117 100
119 95.0 79.0 118.6
121 30.4 24.7 37.1

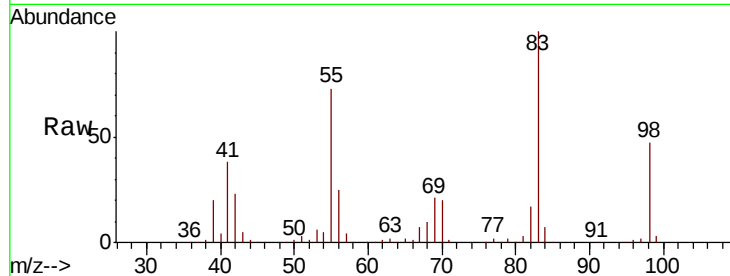




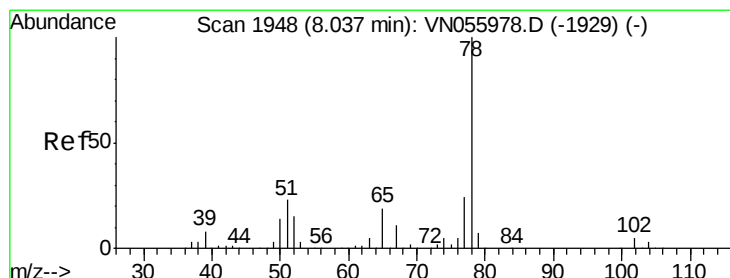
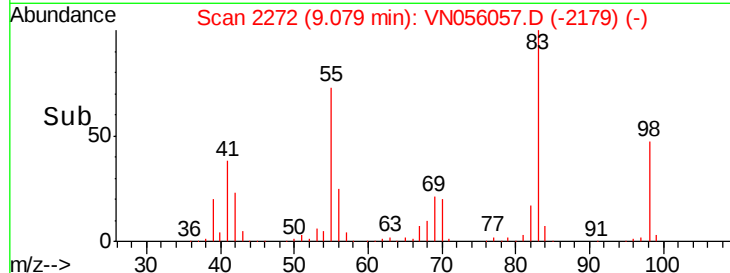
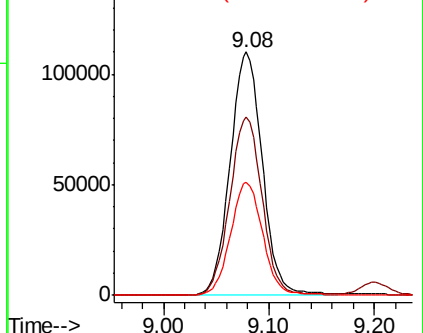
#39
Methvlcvclohexane
Concen: 47.966 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 233315
Ion Ratio Lower Upper
83 100
55 73.3 59.3 88.9
98 46.7 36.6 54.8

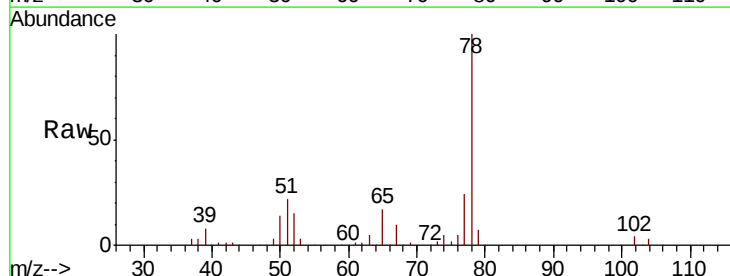


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

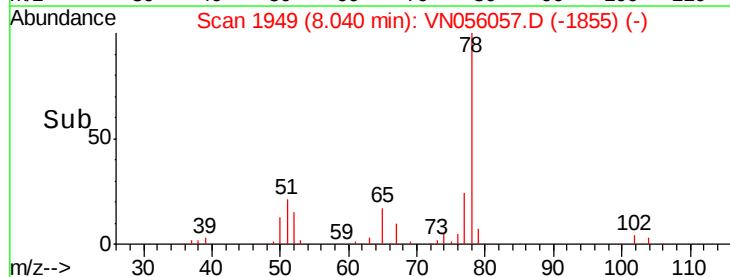
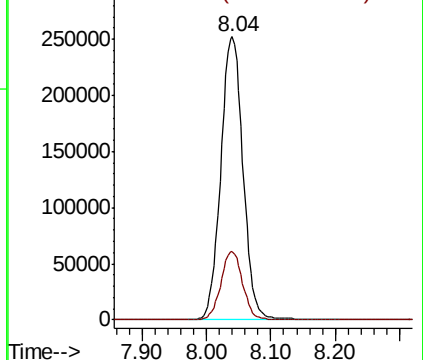


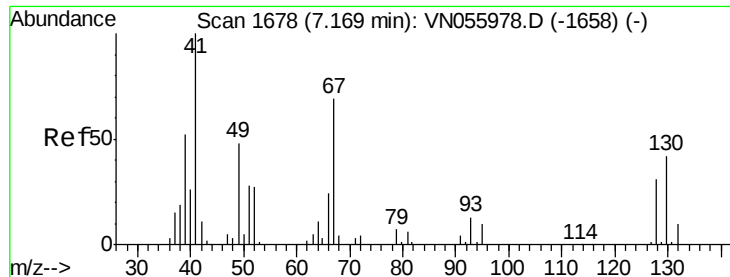
#40
Benzene
Concen: 50.962 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 78 Resp: 604380
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

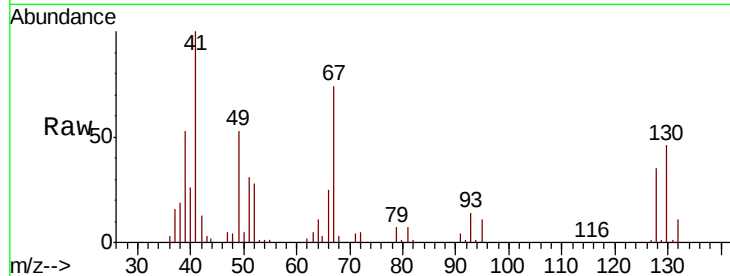




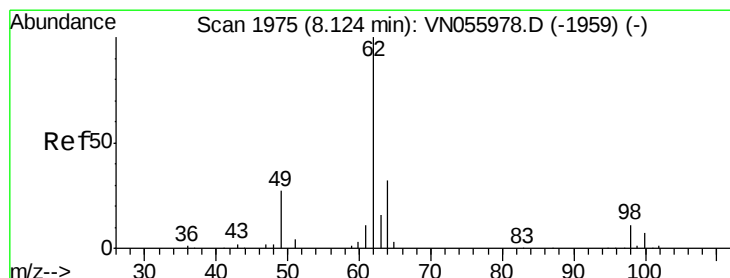
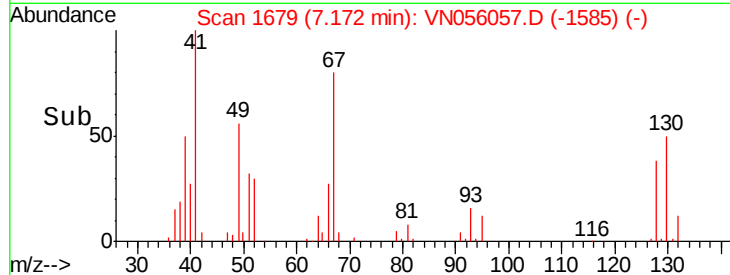
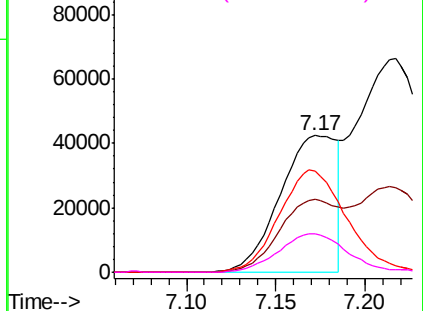
#41
Methacrylonitrile
Concen: 58.666 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 93776
Ion Ratio Lower Upper
41 100
39 56.9 45.6 68.4
67 89.4 67.7 101.5
52 34.8 26.6 40.0

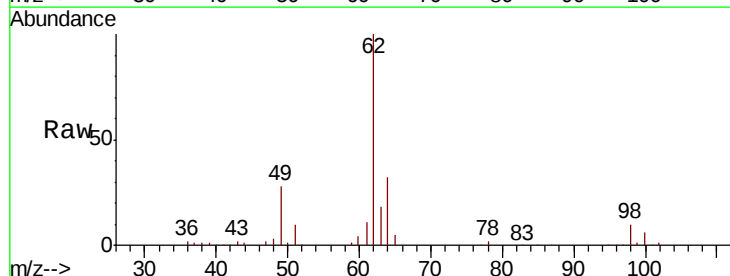


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

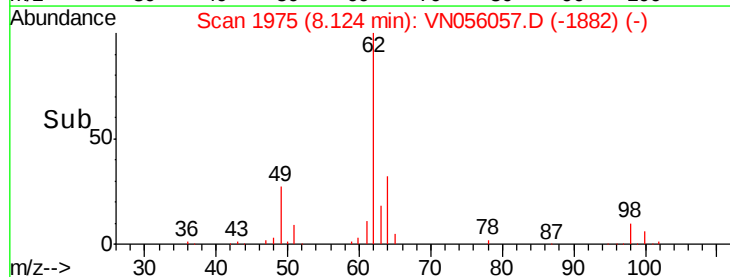
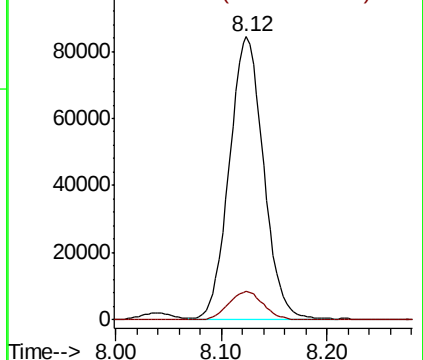


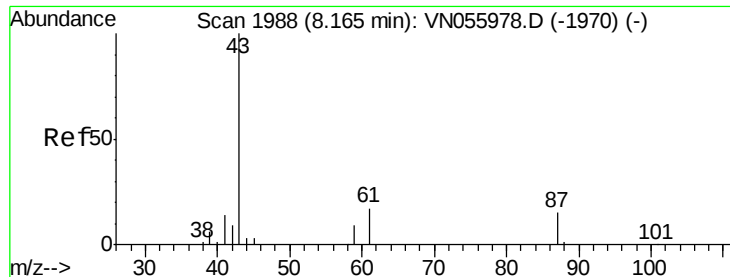
#42
1,2-Dichloroethane
Concen: 49.529 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 62 Resp: 188943
Ion Ratio Lower Upper
62 100
98 10.3 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 54.072 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

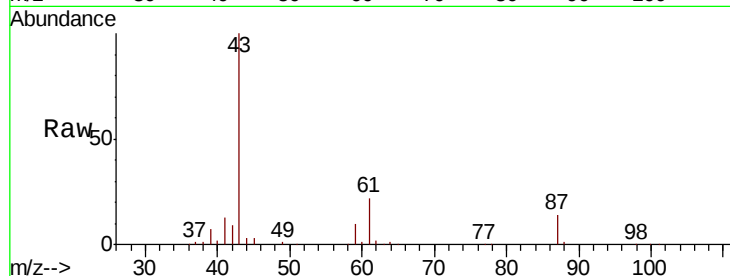
Tot Ion: 43 Resp: 304419

Ion Ratio Lower Upper

43 100

61 28.2 22.2 33.4

87 14.6 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055978.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055978.D (-1970) (-)

8.17

150000

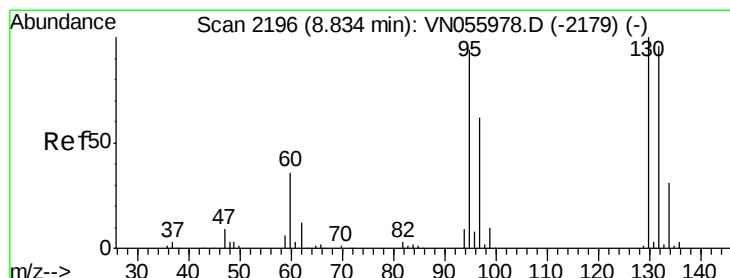
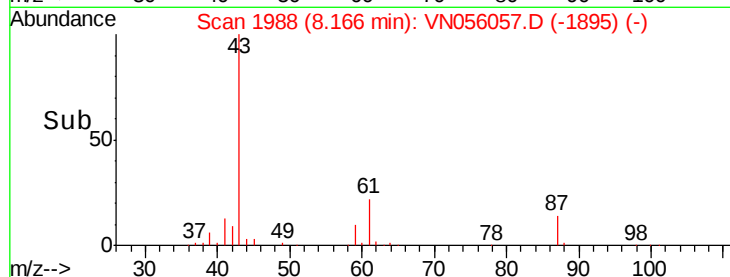
100000

50000

0

8.05 8.10 8.15 8.20 8.25

Time-->



#44

Trichloroethene

Concen: 49.521 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056057.D

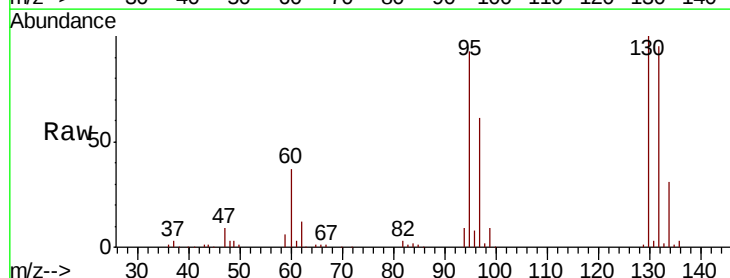
Acq: 6 Jun 2019 19:57

Tgt Ion:130 Resp: 168757

Ion Ratio Lower Upper

130 100

95 93.1 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055978.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055978.D (-2179) (-)

8.83

80000

60000

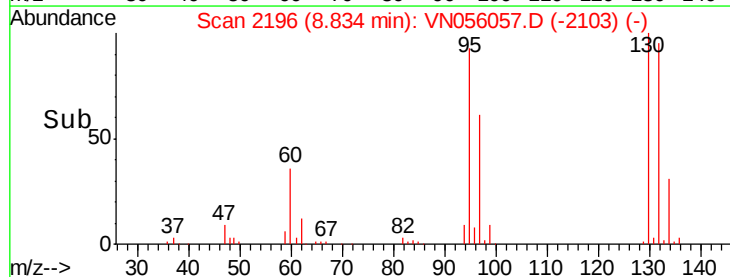
40000

20000

0

8.70 8.80 8.90 9.00

Time-->





#45

1,2-Dichloropropane

Concen: 51.920 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

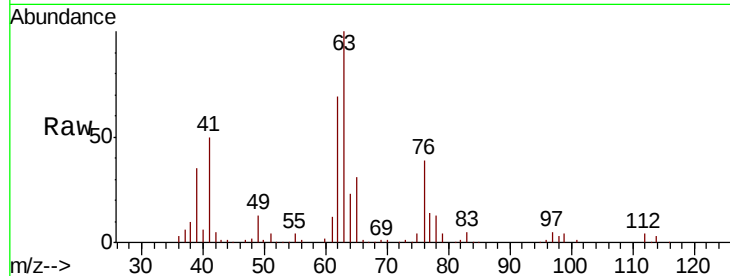
VSTDCCC050EC

Tot Ion: 63 Resp: 157717

Ion Ratio Lower Upper

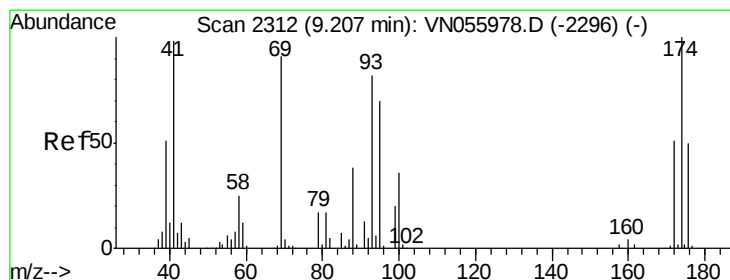
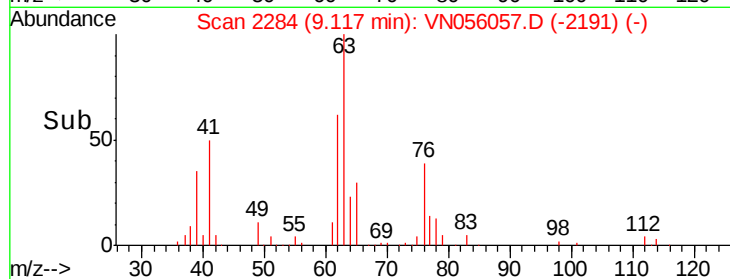
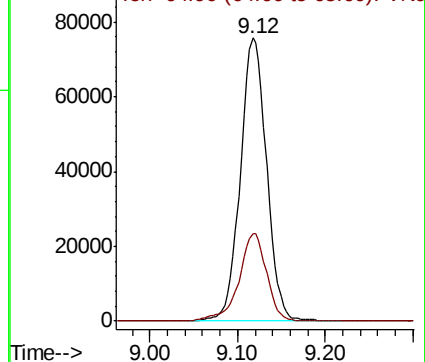
63 100

65 30.9 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 51.699 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

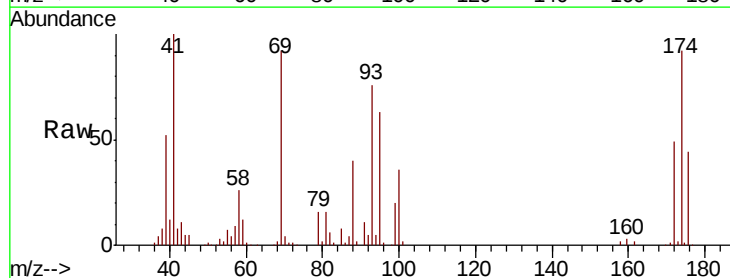
Tgt Ion: 93 Resp: 102696

Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

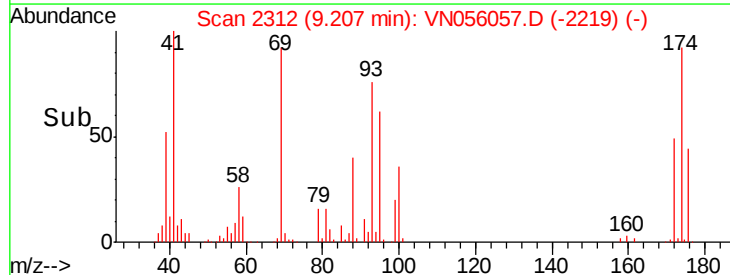
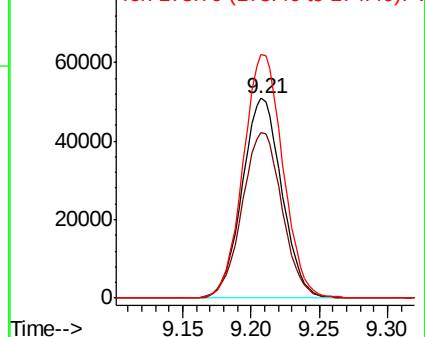
174 122.5 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

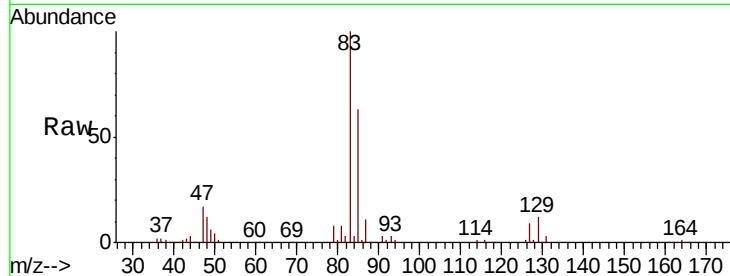




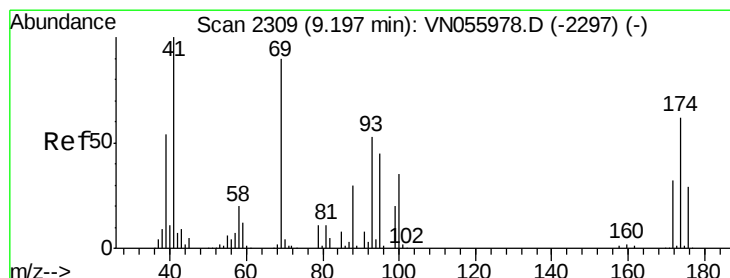
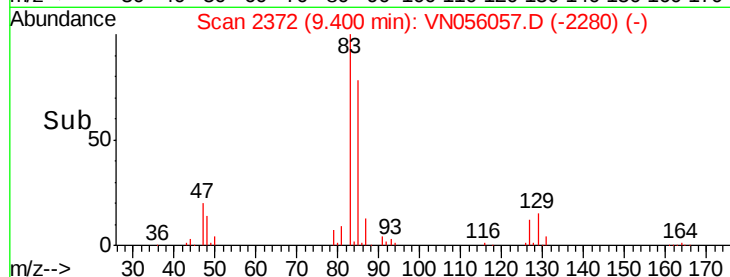
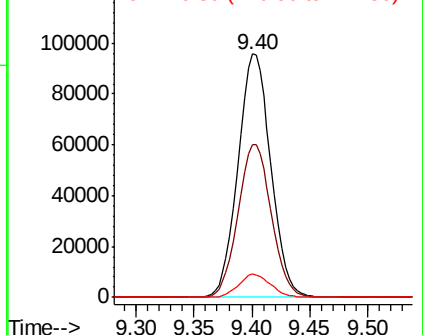
#47
Bromodichloromethane
Concen: 52.285 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 83 Resp: 188237
Ion Ratio Lower Upper
83 100
85 62.9 52.2 78.2
127 9.4 7.4 11.0

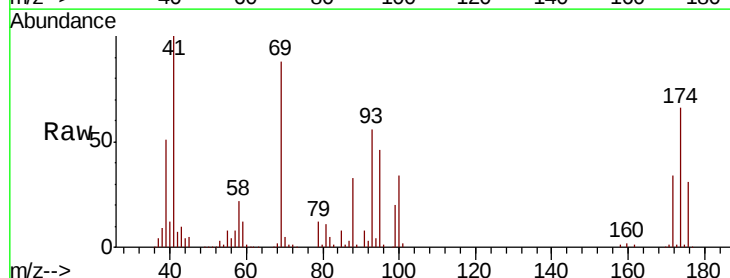


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

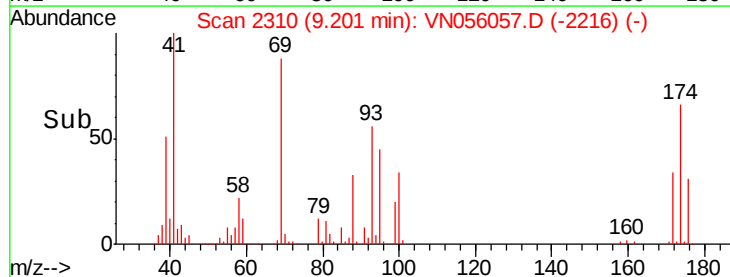
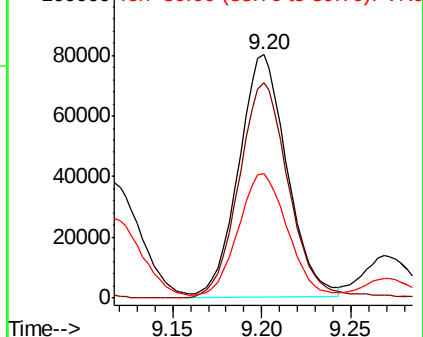


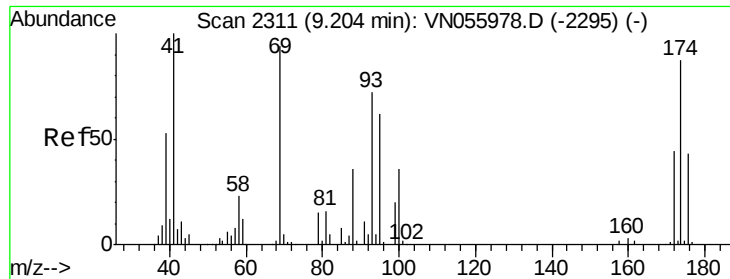
#48
Methyl methacrylate
Concen: 55.140 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 41 Resp: 151872
Ion Ratio Lower Upper
41 100
69 91.3 71.0 106.6
39 52.7 44.2 66.2



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

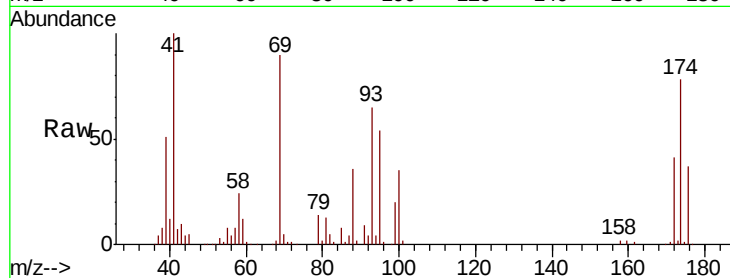




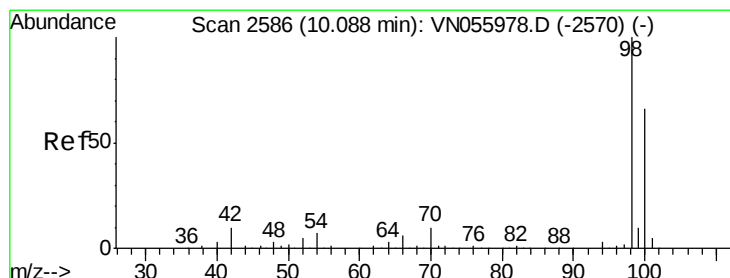
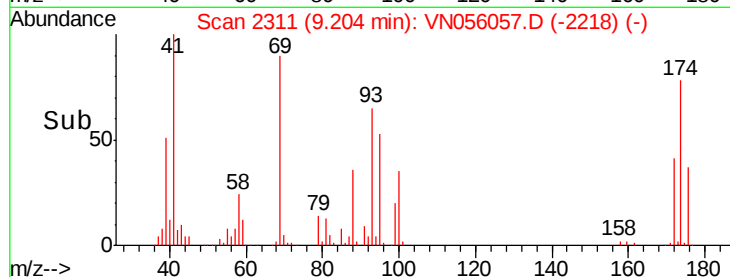
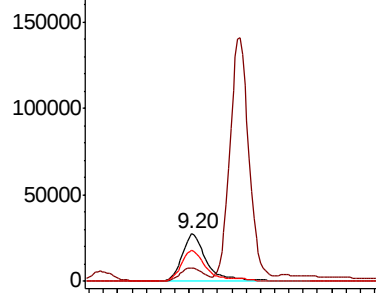
#49
1,4-Dioxane
Concen: 1113.951 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 66238
Ion Ratio Lower Upper
88 100
43 24.9 20.5 30.7
58 68.8 55.8 83.6

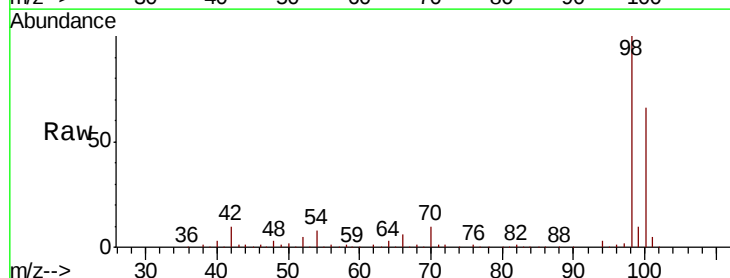


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

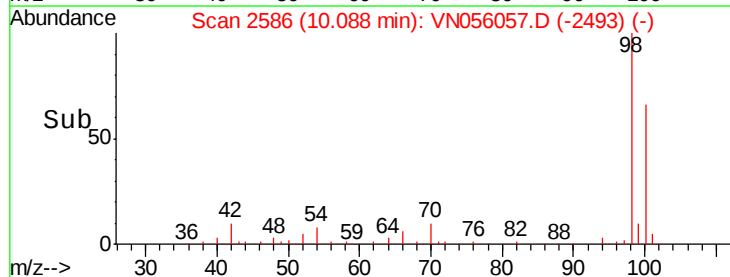
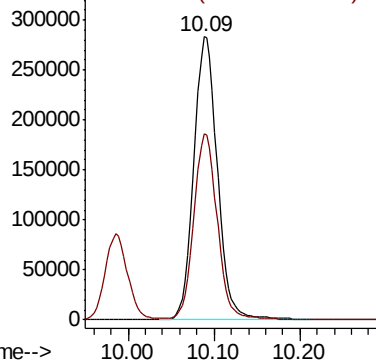


#50
Toluene-d8
Concen: 50.707 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 98 Resp: 543629
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



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





#51

4-Methyl-2-Pentanone

Concen: 278.546 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

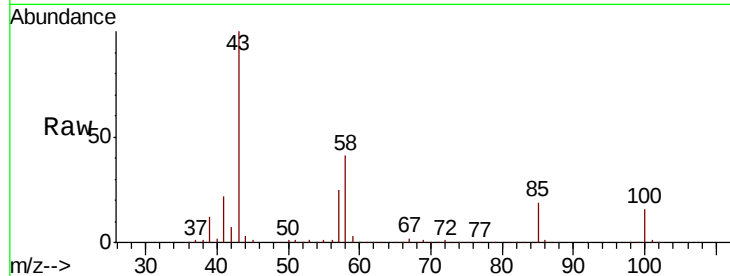
VSTDCCC050EC

Tot Ion: 43 Resp: 980666

Ion Ratio Lower Upper

43 100

58 40.7 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN055978.D (-2538) (-)

Ion 58.00 (57.70 to 58.70): VN055978.D (-2538) (-)

9.99

600000

500000

400000

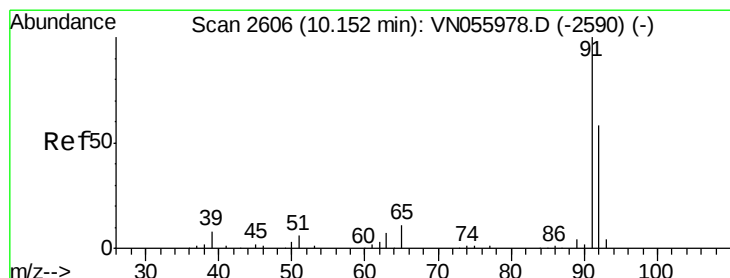
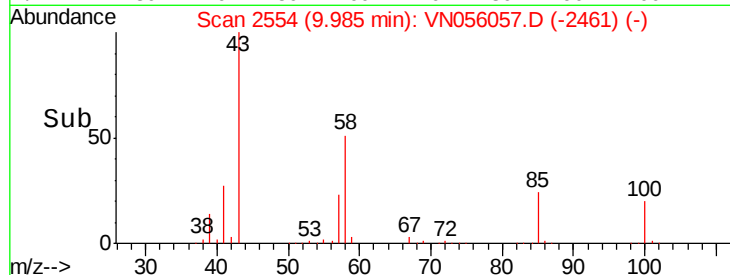
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.399 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056057.D

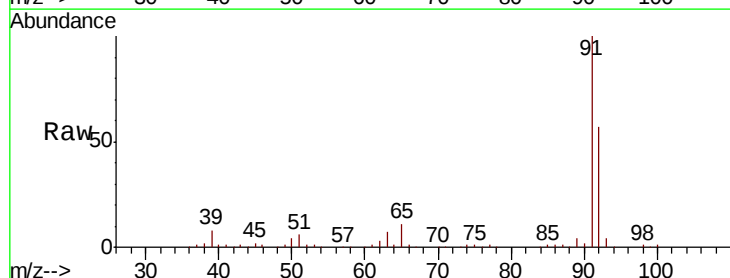
Acq: 6 Jun 2019 19:57

Tgt Ion: 92 Resp: 379307

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN055978.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055978.D (-2590) (-)

10.15

400000

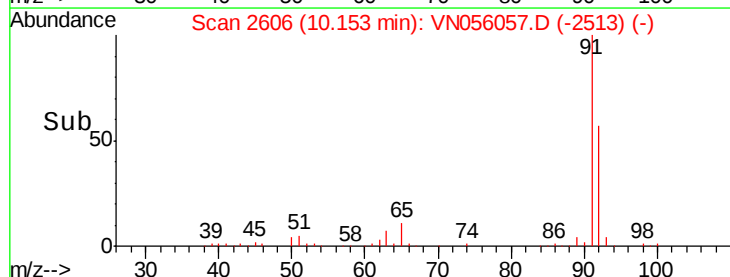
300000

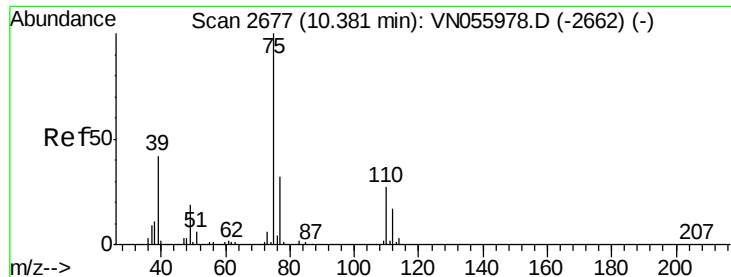
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.770 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

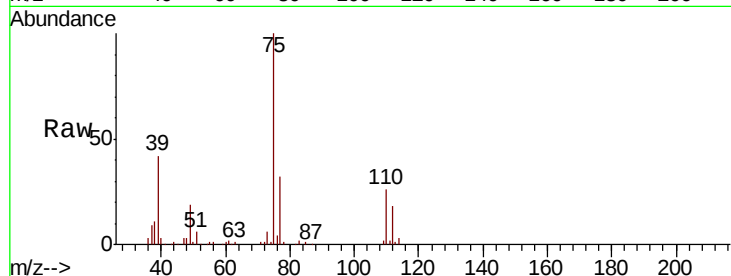
VSTDCCC050EC

Tot Ion: 75 Resp: 196732

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

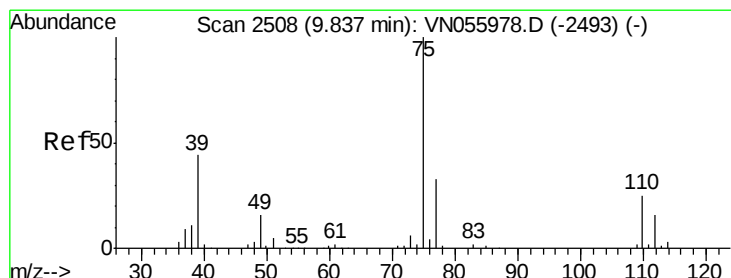
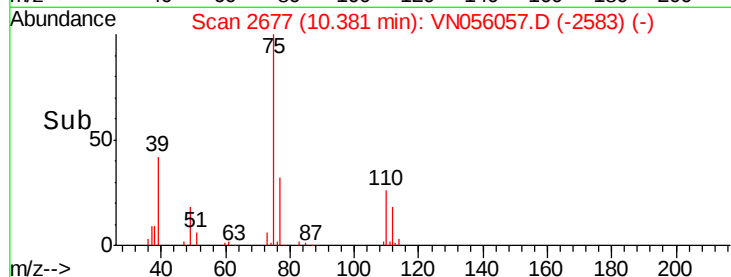
60000

40000

20000

0

Time--> 10.30 10.40



#54

cis-1,3-Dichloropropene

Concen: 53.207 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

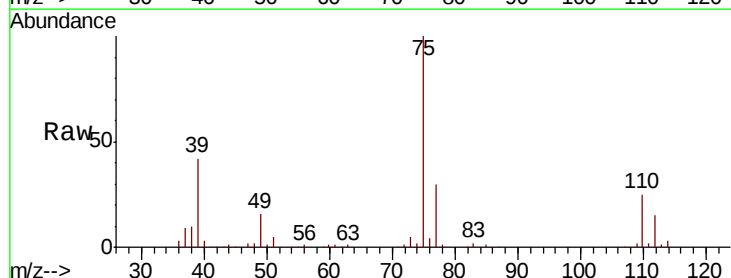
Tgt Ion: 75 Resp: 230254

Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.0

39 42.3 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

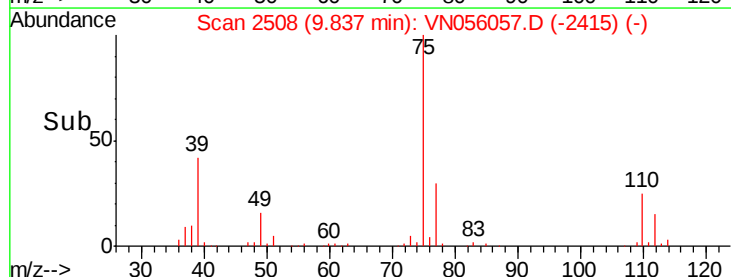
150000

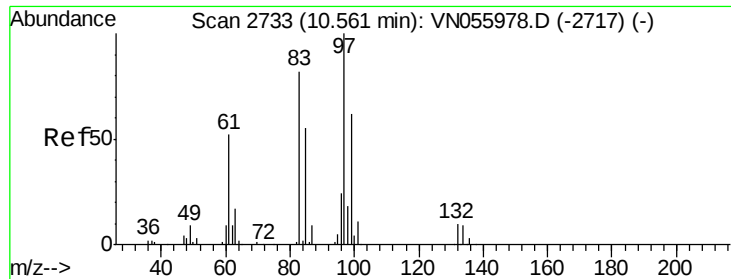
100000

50000

0

Time--> 9.80 9.90

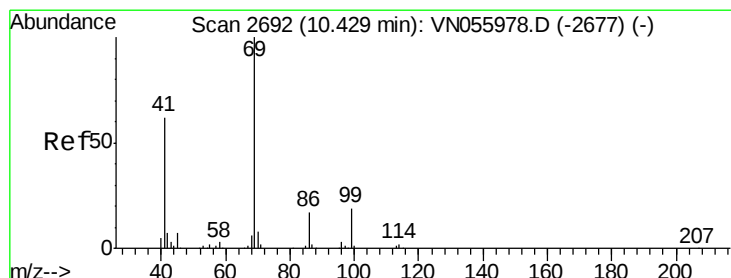
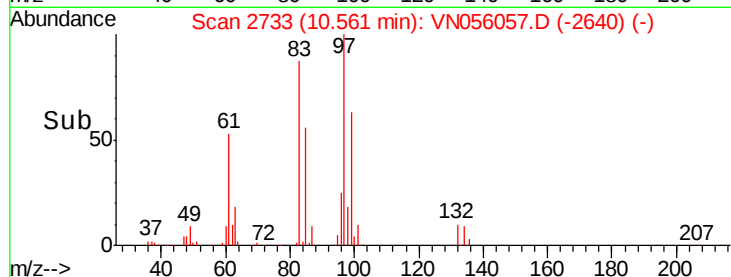
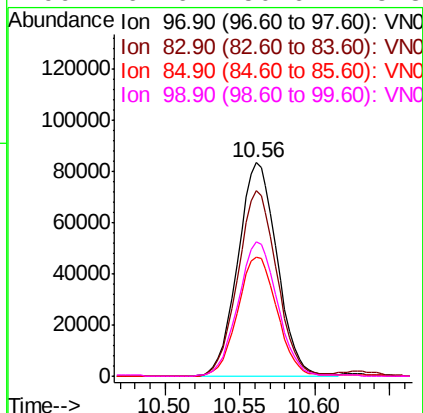
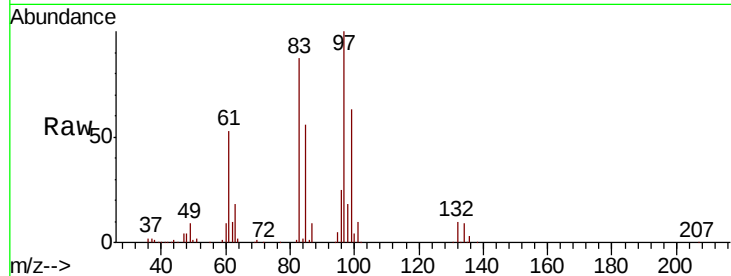




#55
 1,1,2-Trichloroethane
 Concen: 52.143 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

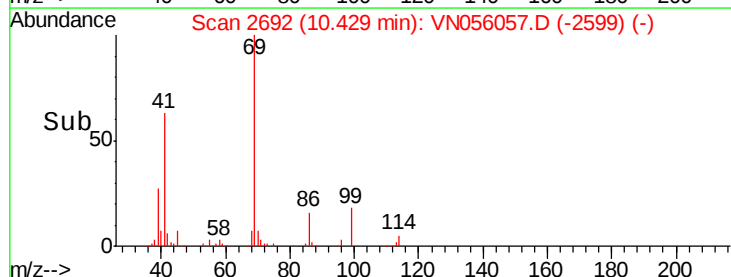
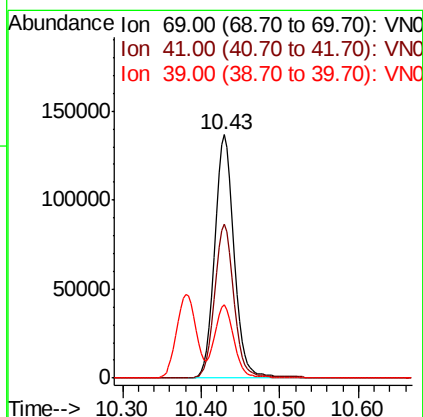
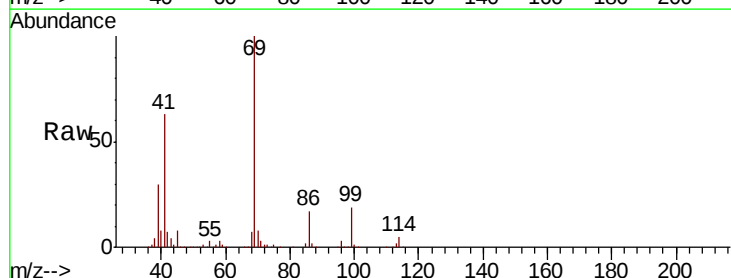
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

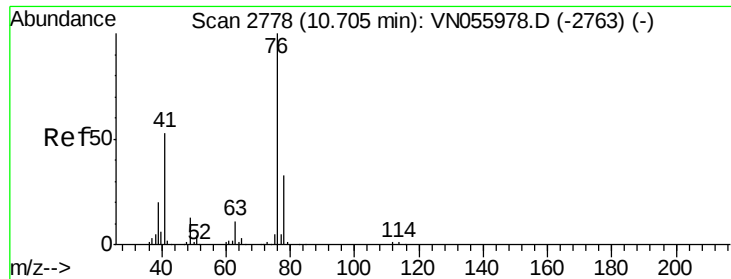
Tot Ion:	97	Resp:	152425
Ion	Ratio	Lower	Upper
97	100		
83	86.8	67.0	100.6
85	55.9	44.0	66.0
99	62.6	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 54.585 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion:	69	Resp:	232787
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.7	74.5
39	29.7	24.7	37.1





#57

1,3-Dichloropropane

Concen: 52.470 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

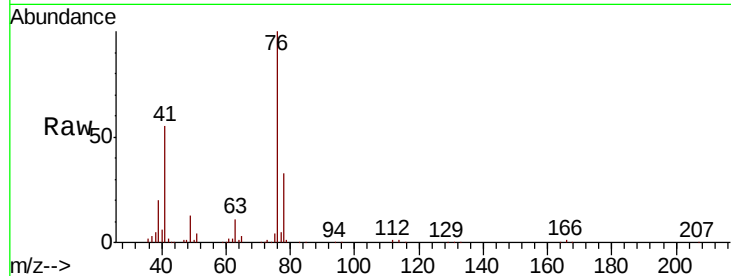
VSTDCCC050EC

Tot Ion: 76 Resp: 249343

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

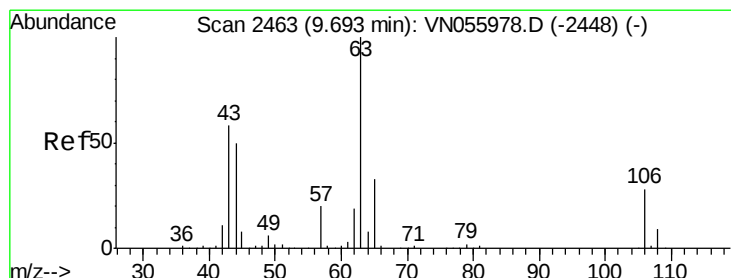
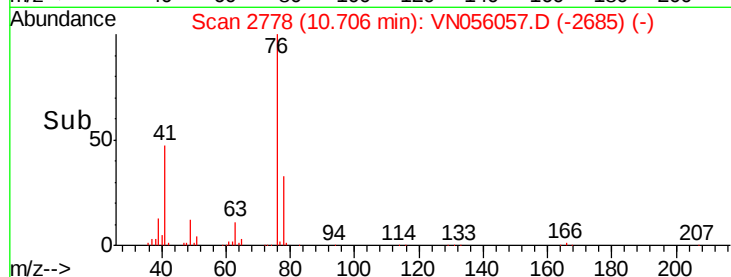
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 238.442 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN056057.D

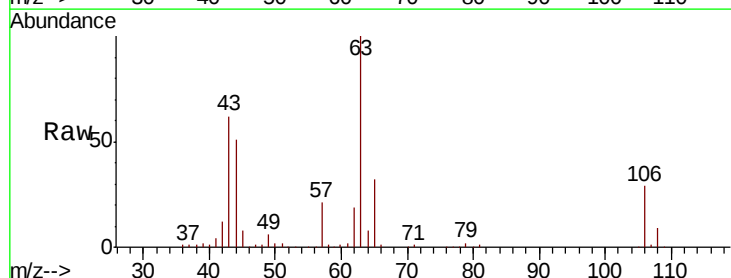
Acq: 6 Jun 2019 19:57

Tgt Ion: 63 Resp: 401937

Ion Ratio Lower Upper

63 100

106 28.5 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

250000

200000

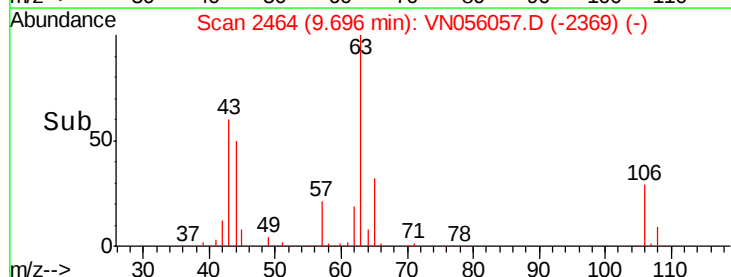
150000

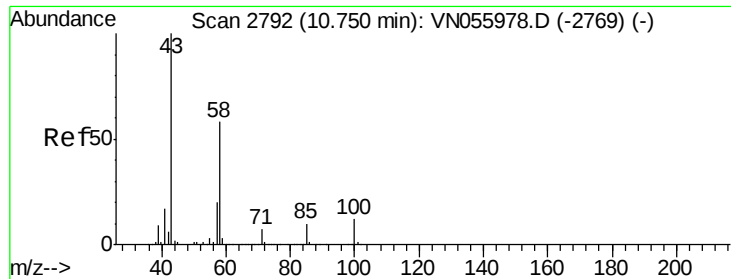
100000

50000

0

Time--> 9.60 9.70 9.80

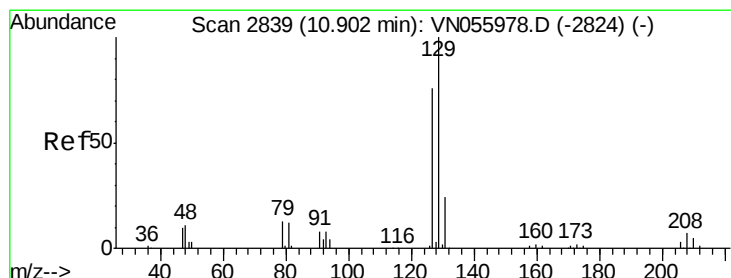
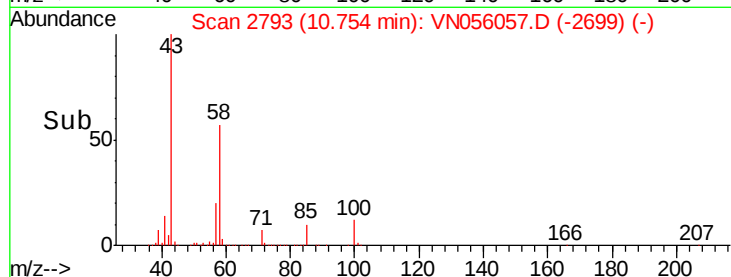
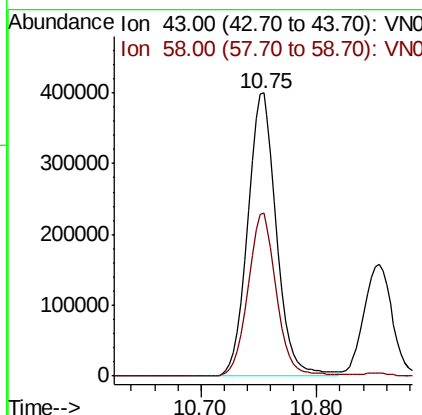
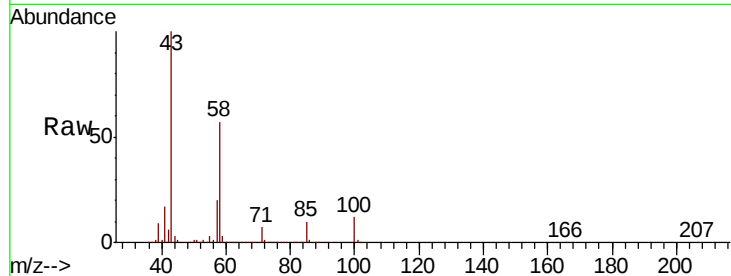




#59
2-Hexanone
Concen: 270.952 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

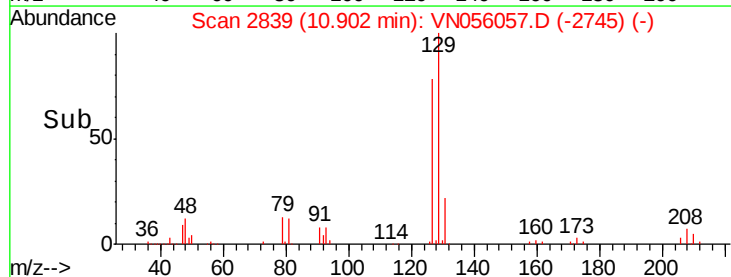
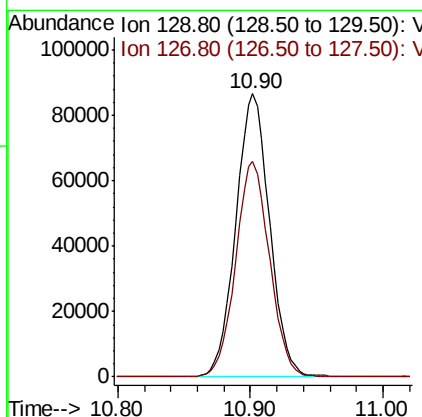
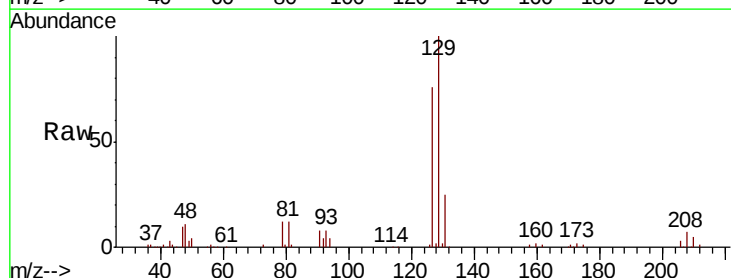
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 691386
Ion Ratio Lower Upper
43 100
58 57.1 28.2 84.7



#60
Dibromochloromethane
Concen: 47.645 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 129 Resp: 153218
Ion Ratio Lower Upper
129 100
127 76.4 38.1 114.3

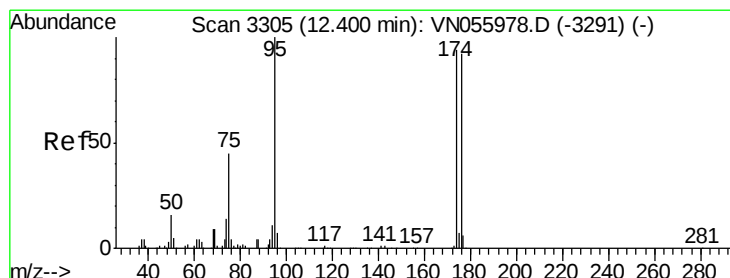
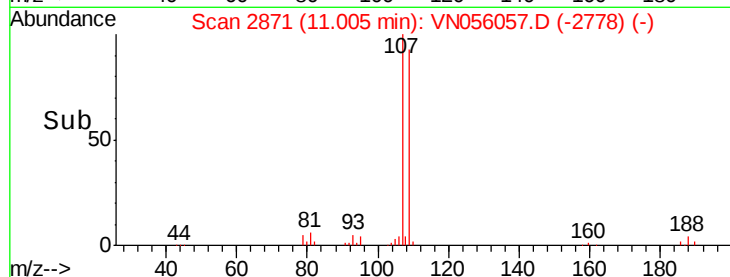
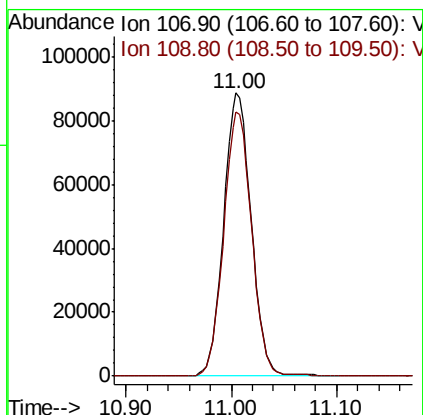
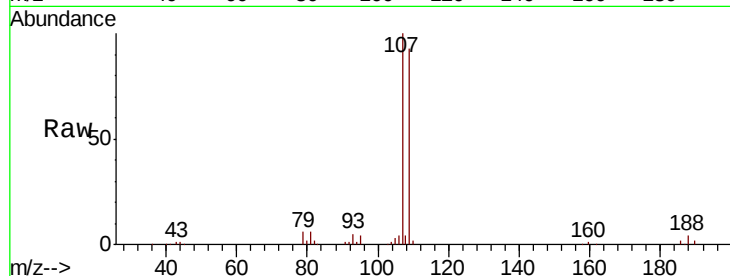




#61
 1,2-Dibromoethane
 Concen: 53.464 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

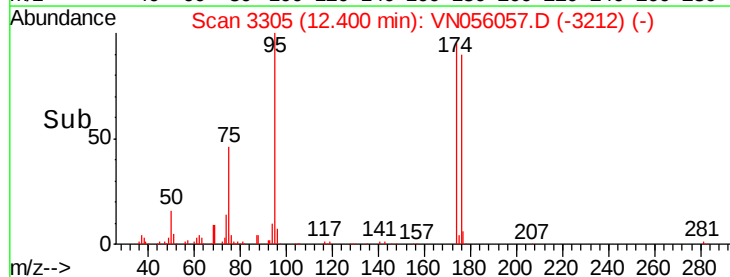
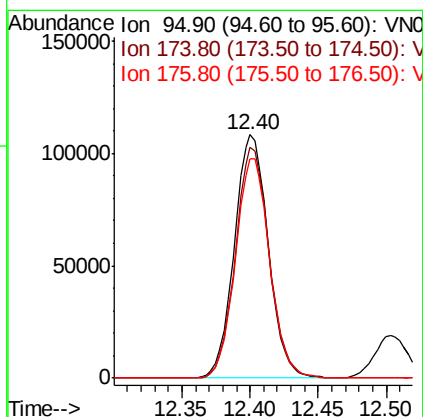
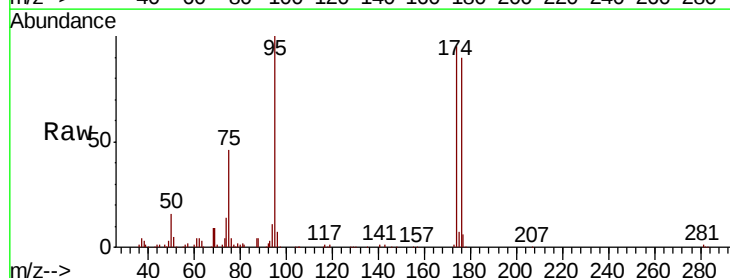
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

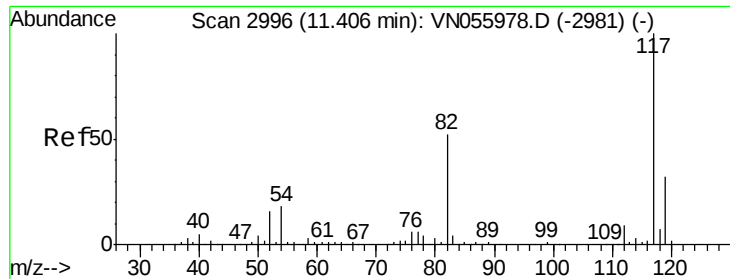
Tot Ion: 107 Resp: 159771
 Ion Ratio Lower Upper
 107 100
 109 94.6 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 51.264 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion: 95 Resp: 186904
 Ion Ratio Lower Upper
 95 100
 174 94.3 0.0 191.0
 176 90.9 0.0 185.2

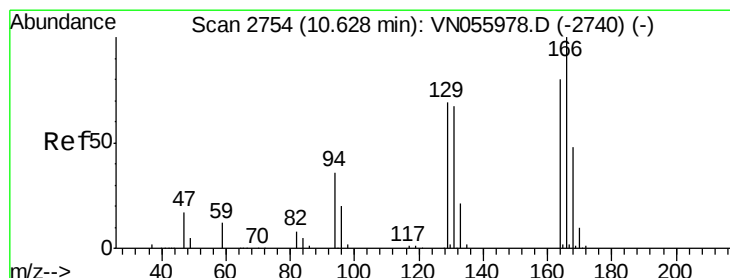
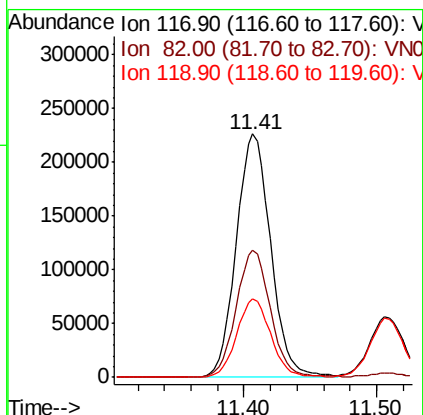
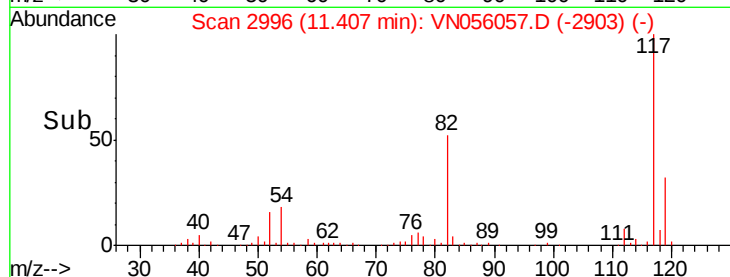
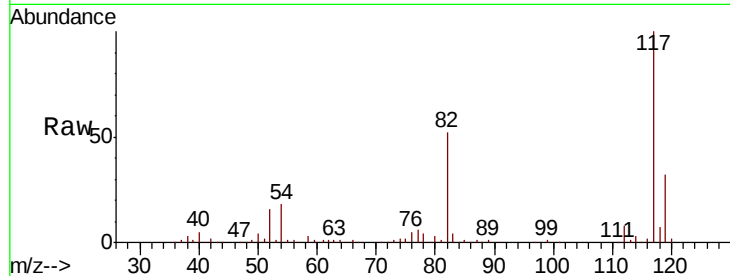




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

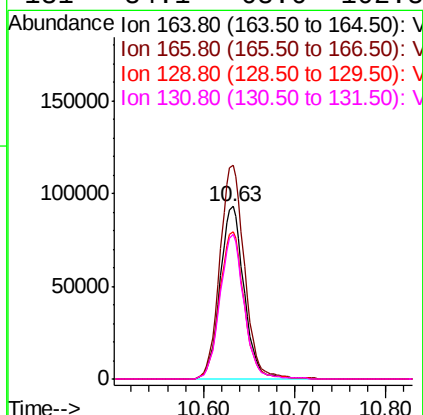
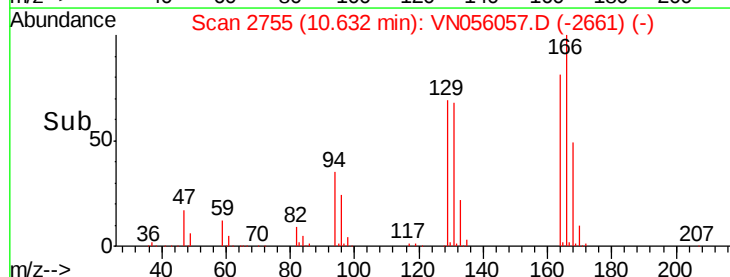
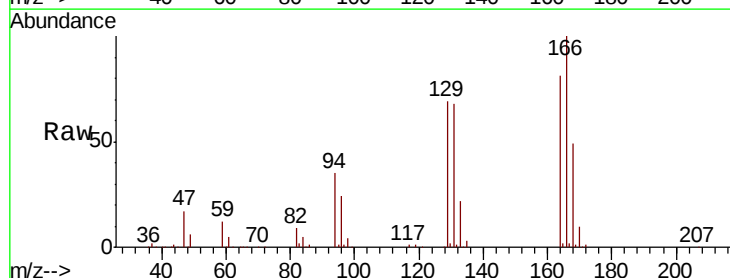
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 408477
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.2 25.4 38.0



#64
Tetrachloroethene
Concen: 48.335 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion:164 Resp: 170905
Ion Ratio Lower Upper
164 100
166 123.8 103.0 154.6
129 85.7 70.6 105.8
131 84.1 68.6 102.8

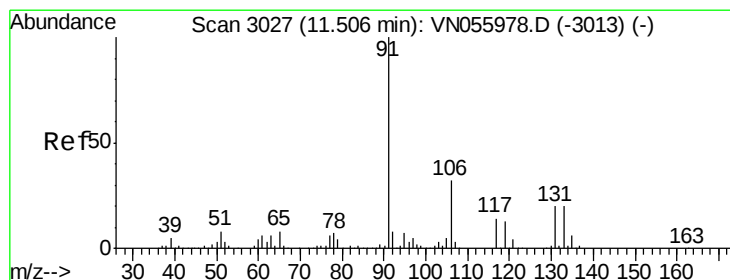
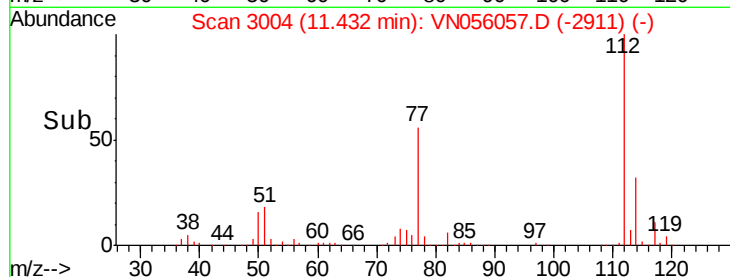
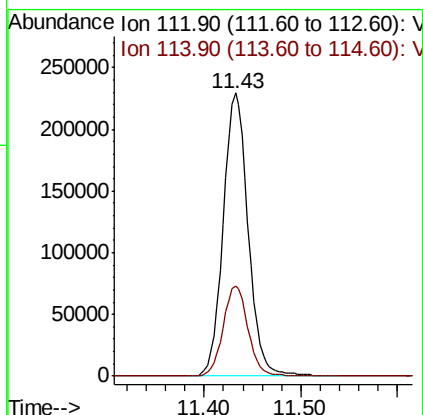
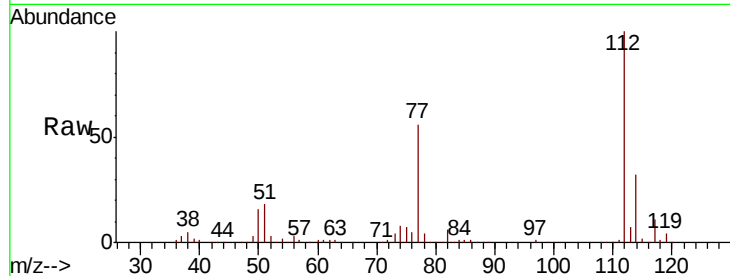




#65
Chlorobenzene
Concen: 50.548 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

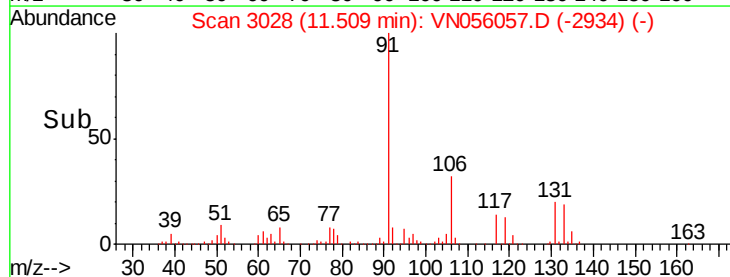
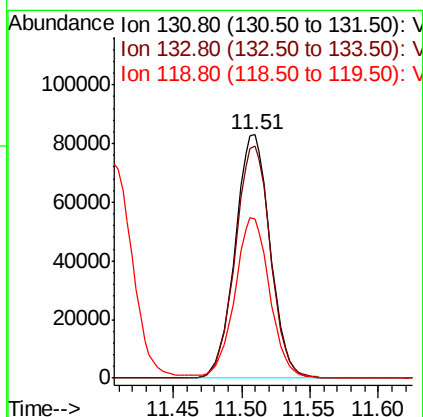
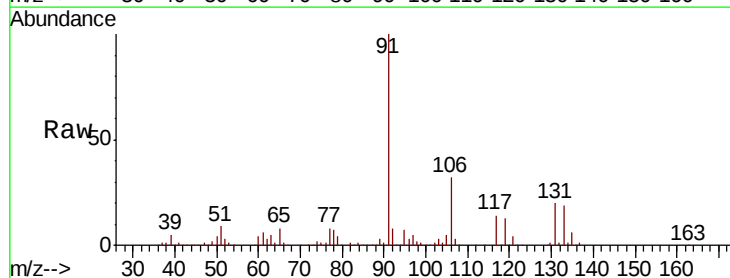
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

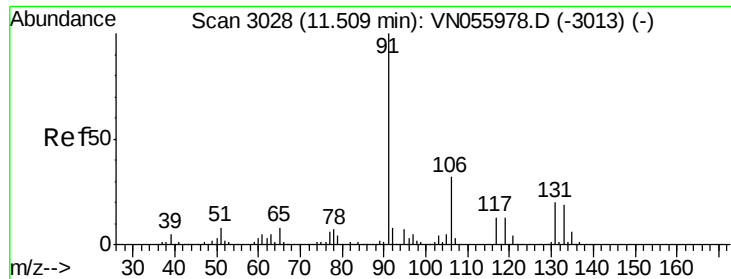
Tot Ion:112 Resp: 410930
Ion Ratio Lower Upper
112 100
114 32.0 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.561 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion:131 Resp: 147539
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 65.7 33.1 99.5

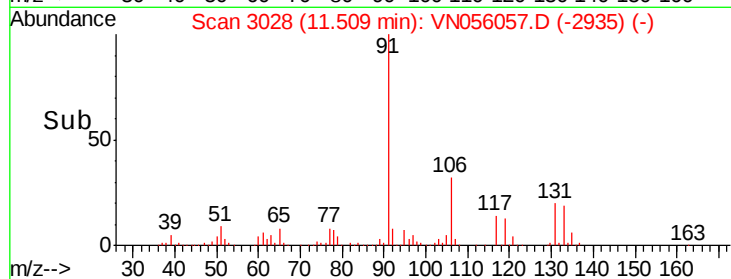
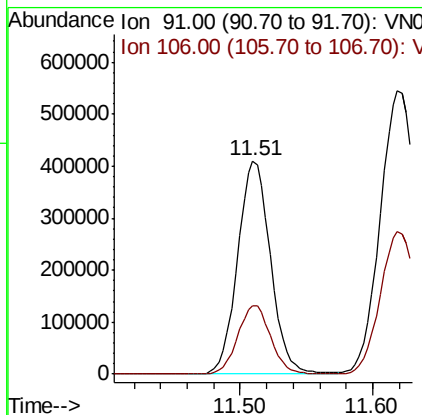
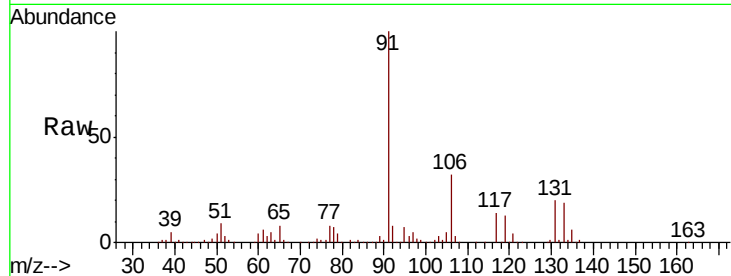




#67
Ethyl Benzene
Concen: 49.960 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

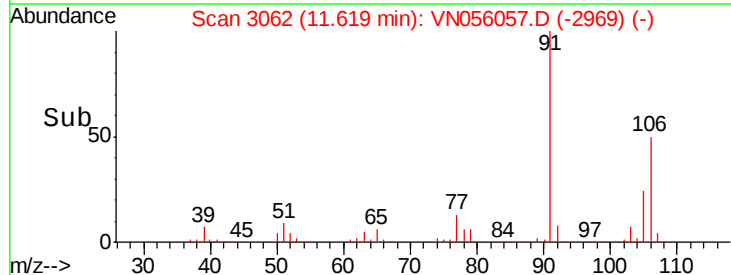
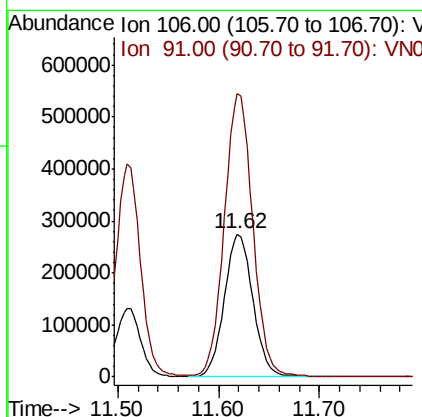
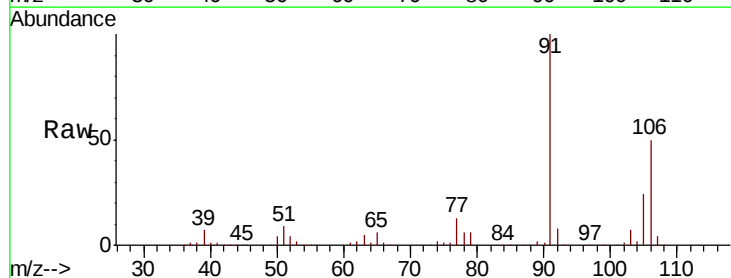
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

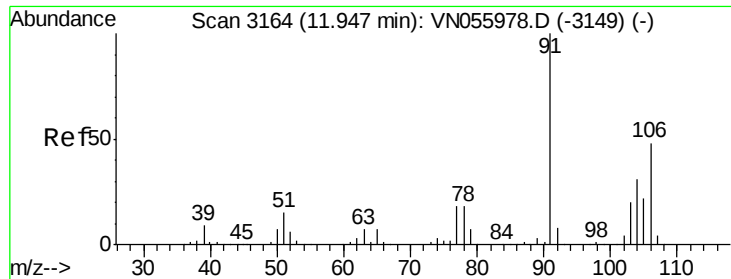
Tot Ion: 91 Resp: 706231
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7



#68
m/p-Xylenes
Concen: 100.584 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion: 106 Resp: 543162
Ion Ratio Lower Upper
106 100
91 198.3 159.3 238.9

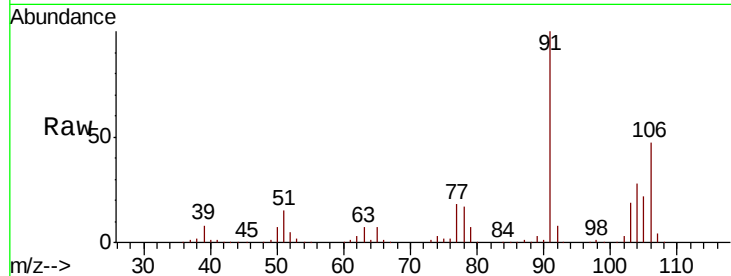




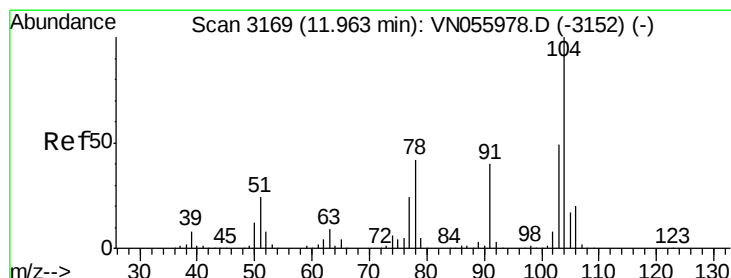
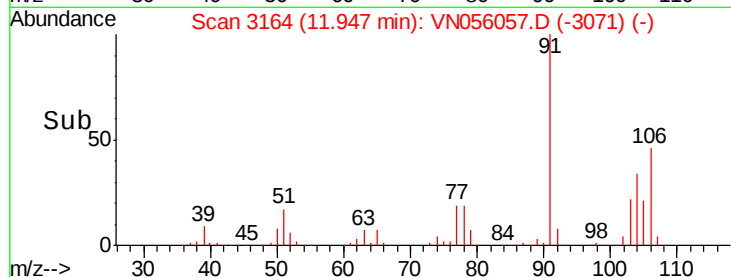
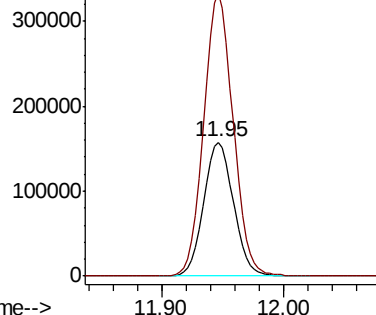
#69
o-Xylene
Concen: 50.200 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 266654
Ion Ratio Lower Upper
106 100
91 208.4 104.7 314.1

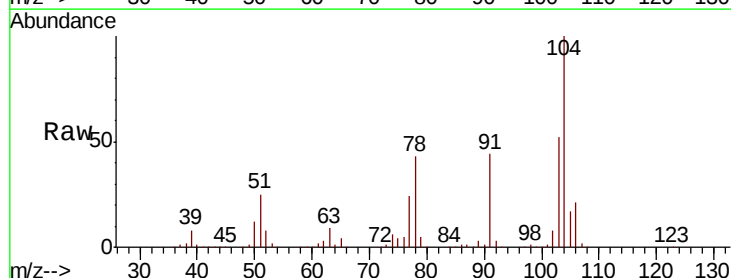


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

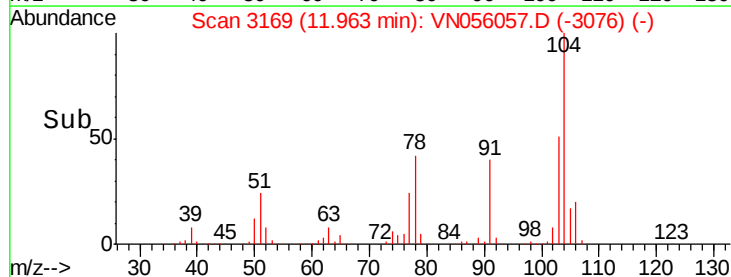
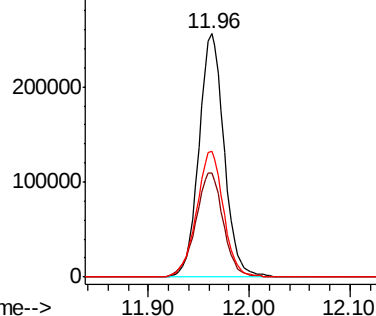


#70
Styrene
Concen: 52.836 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion:104 Resp: 445921
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 55.5 44.2 66.2



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

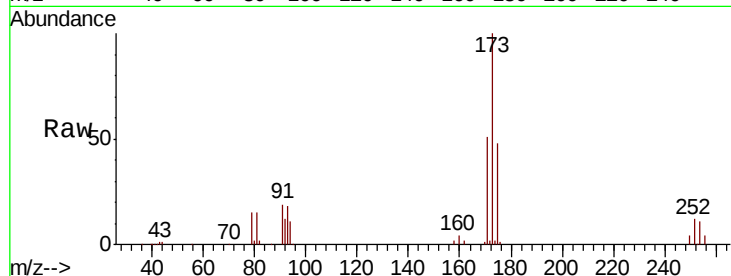




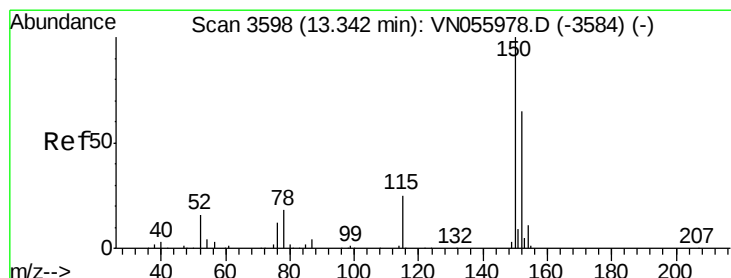
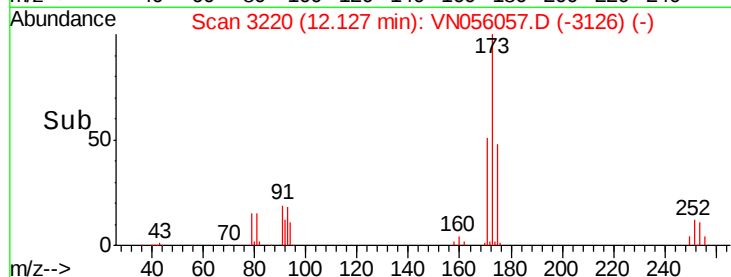
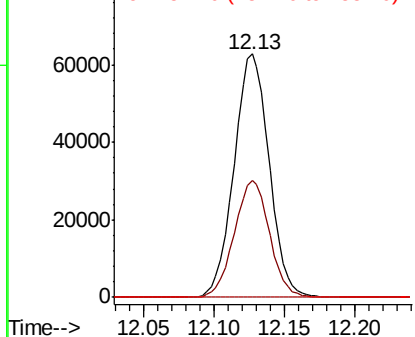
#71
Bromoform
Concen: 46.723 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 109663
Ion Ratio Lower Upper
173 100
175 47.8 24.3 72.8
254 0.0 0.0 0.0

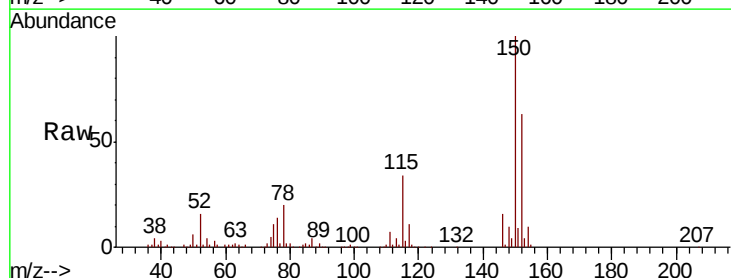


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

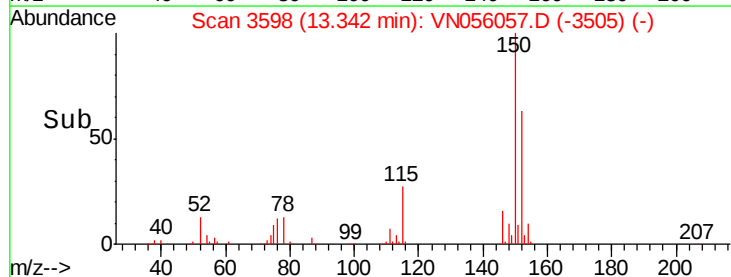
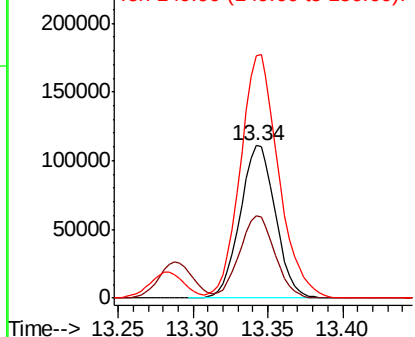


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion:152 Resp: 182195
Ion Ratio Lower Upper
152 100
115 53.9 27.0 81.0
150 172.9 0.0 343.2



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





#73

Isopropylbenzene

Concen: 54.110 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

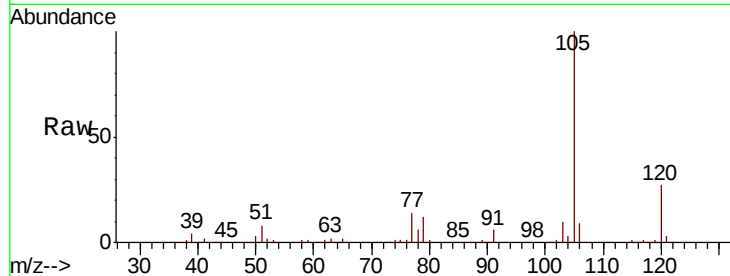
VSTDCCC050EC

Tot Ion:105 Resp: 700139

Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

100000

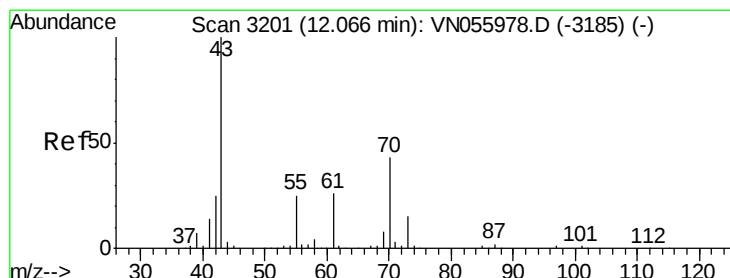
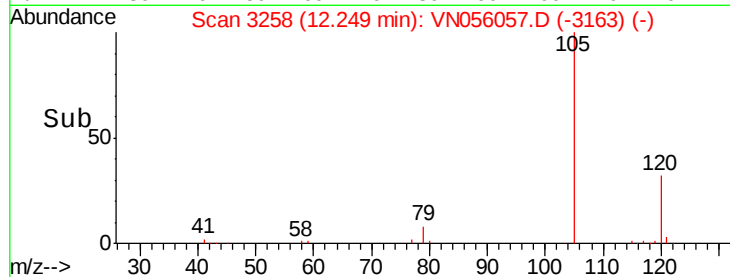
0

12.25

12.20

12.30

Time-->



#74

N-ethyl acetate

Concen: 51.827 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Tgt Ion: 43 Resp: 251708

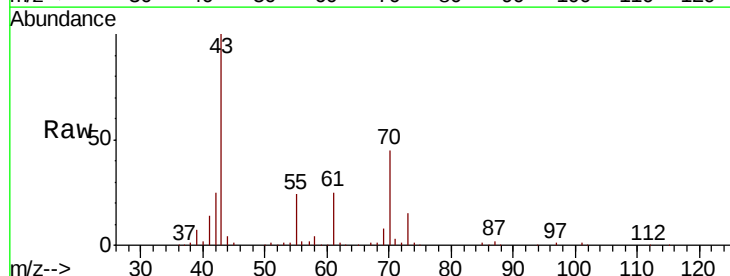
Ion Ratio Lower Upper

43 100

70 44.4 34.0 51.0

55 24.9 18.6 28.0

61 25.5 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

100000

50000

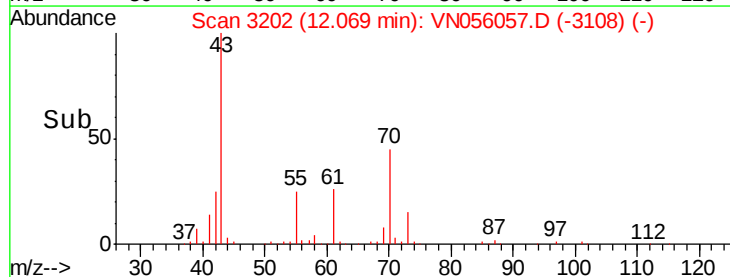
0

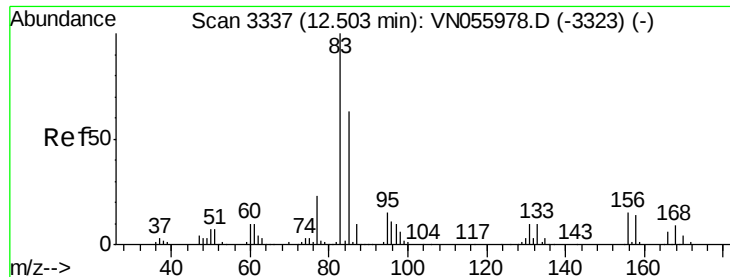
12.07

12.00

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.786 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

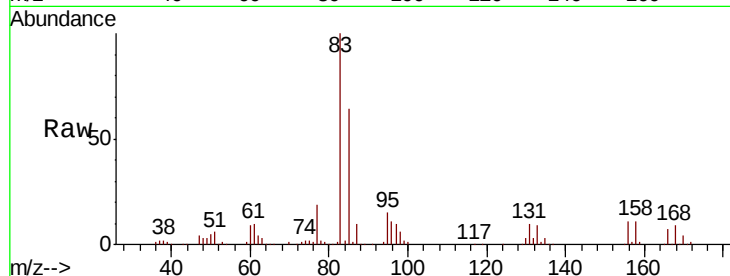
Tot Ion: 83 Resp: 214801

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

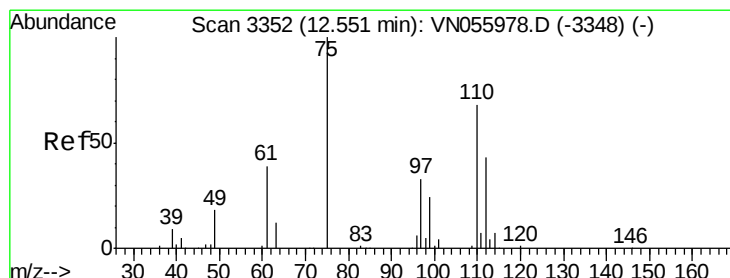
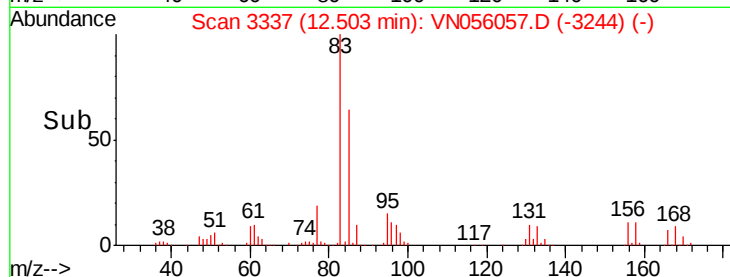
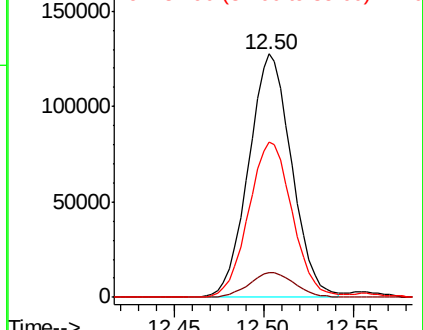
85 64.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 74.683 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056057.D

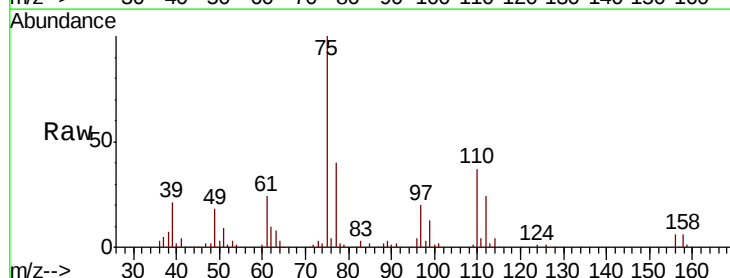
Acq: 6 Jun 2019 19:57

Tgt Ion: 75 Resp: 250373

Ion Ratio Lower Upper

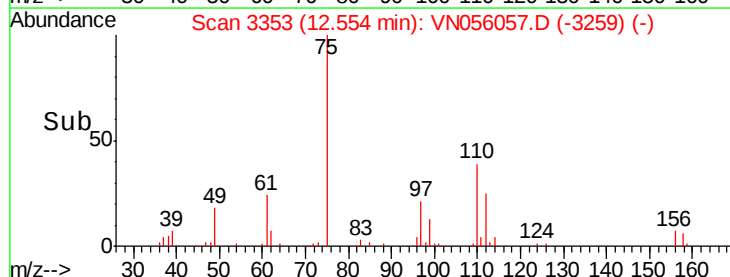
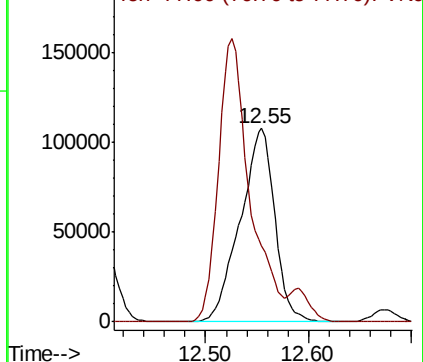
75 100

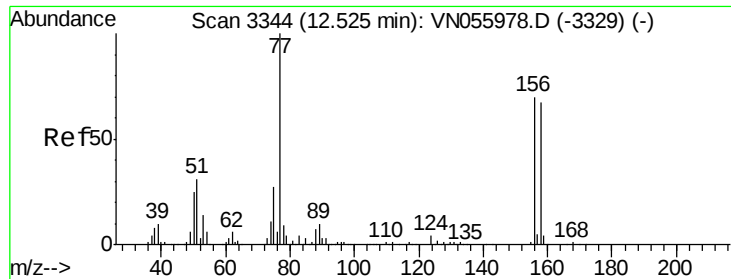
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 48.221 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

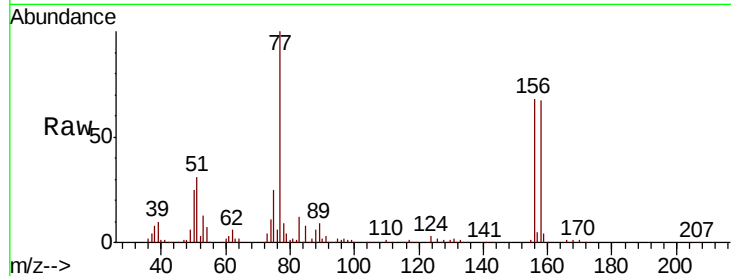
Tot Ion:156 Resp: 188099

Ion Ratio Lower Upper

156 100

77 177.9 90.8 272.5

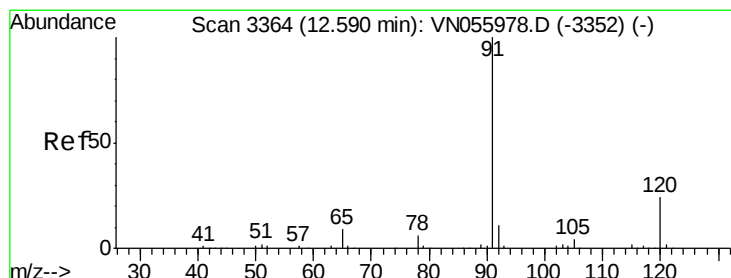
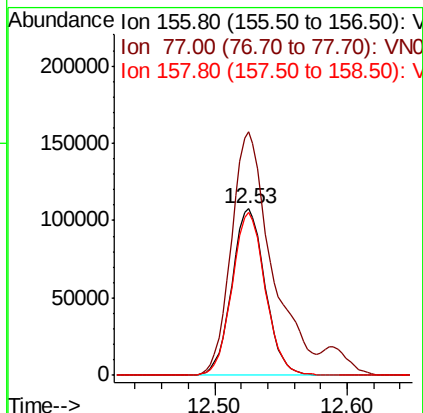
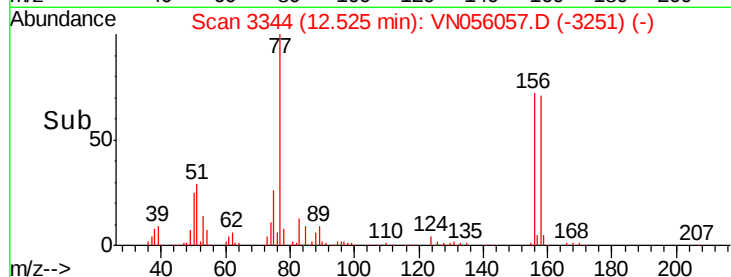
158 97.4 49.3 147.8



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: 48.897 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056057.D

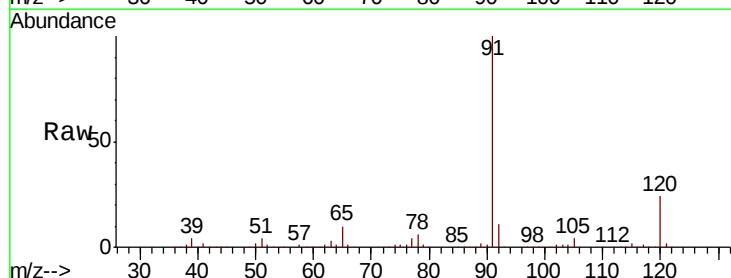
Acq: 6 Jun 2019 19:57

Tgt Ion: 91 Resp: 753682

Ion Ratio Lower Upper

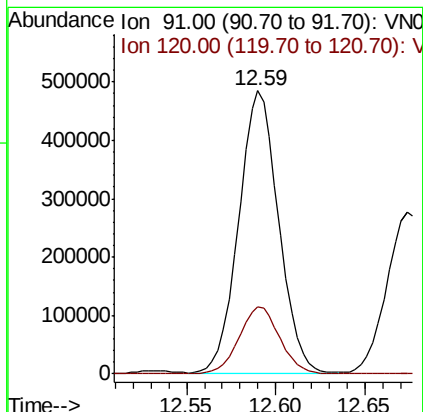
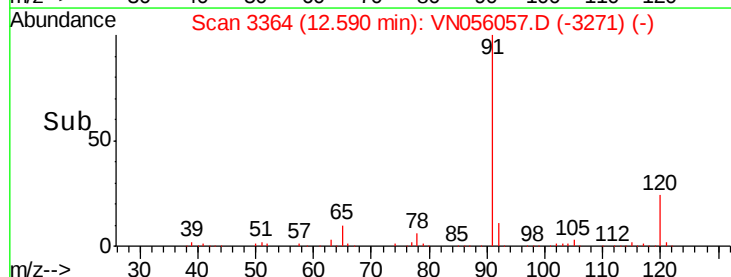
91 100

120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.085 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

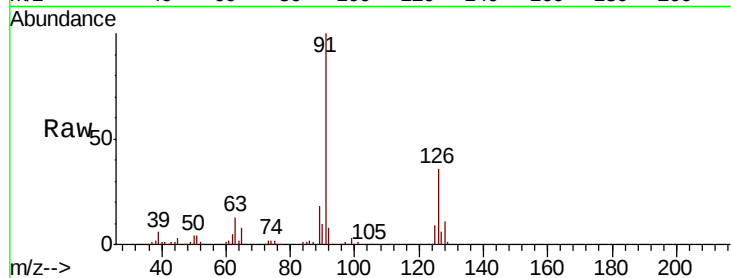
VSTDCCC050EC

Tot Ion: 91 Resp: 460778

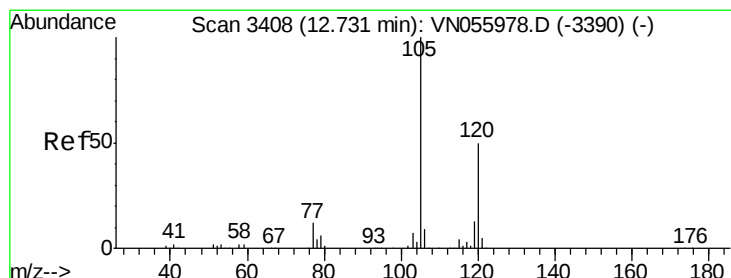
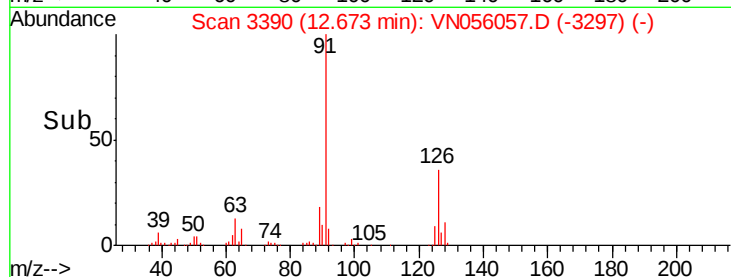
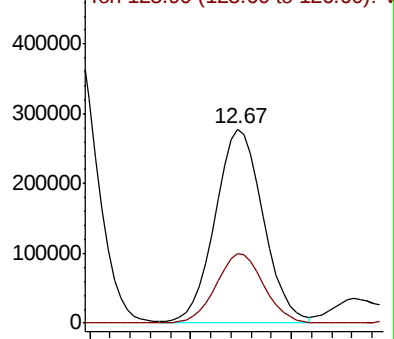
Ion Ratio Lower Upper

91 100

126 36.0 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 47.265 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056057.D

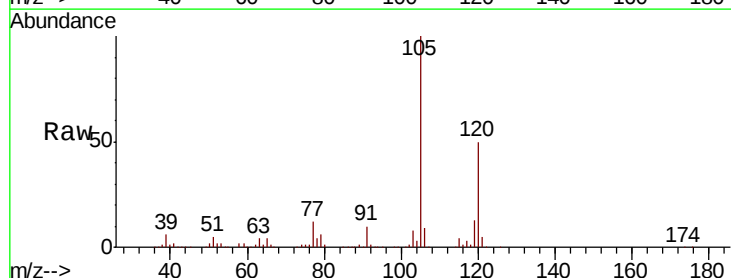
Acq: 6 Jun 2019 19:57

Tgt Ion: 105 Resp: 578993

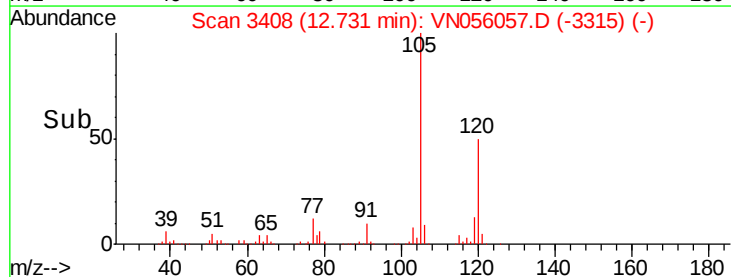
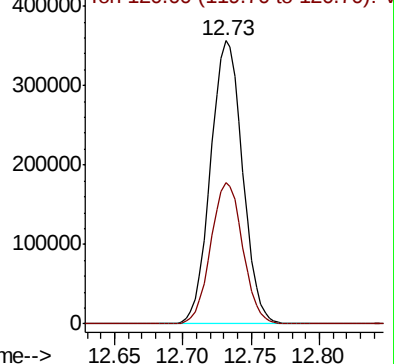
Ion Ratio Lower Upper

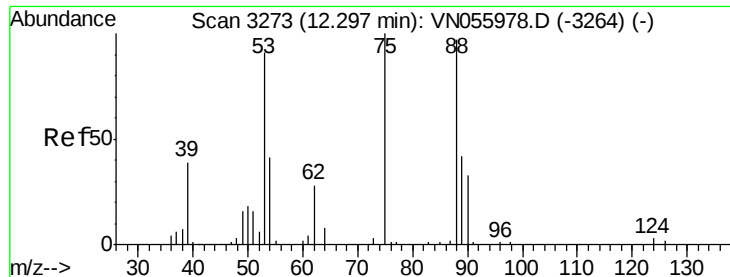
105 100

120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.764 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

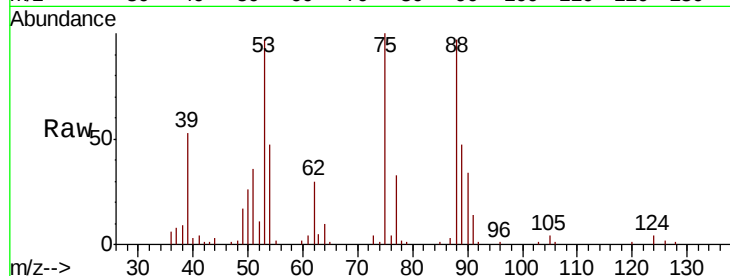
Tot Ion: 75 Resp: 51104

Ion Ratio Lower Upper

75 100

53 96.2 68.1 102.1

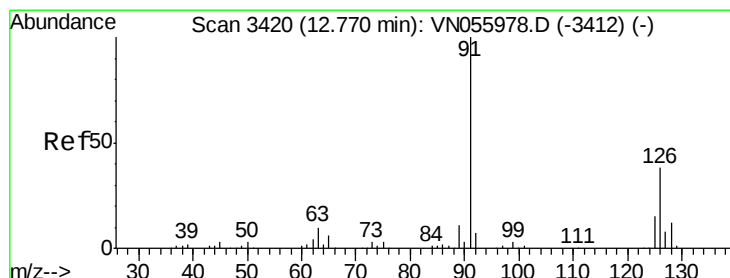
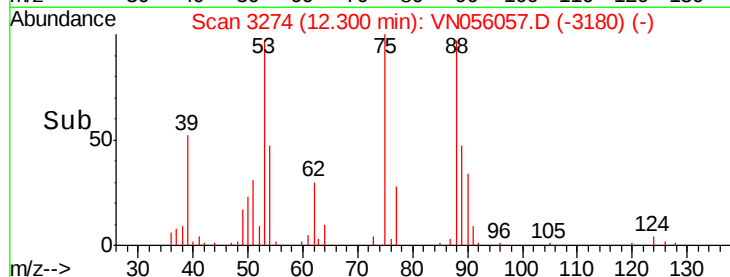
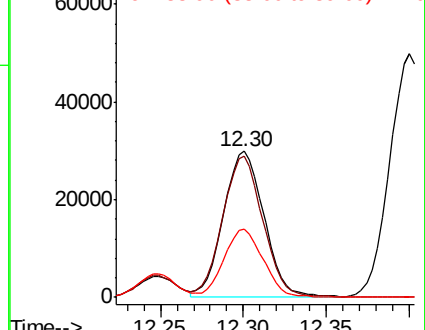
89 45.2 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.576 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056057.D

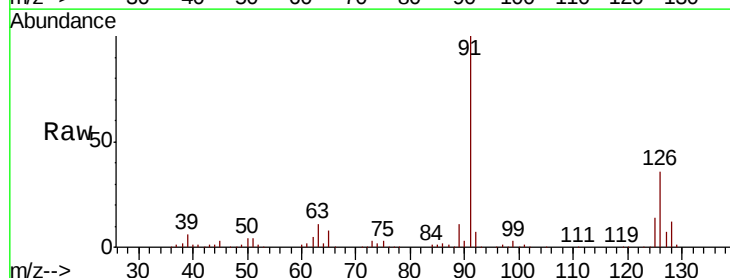
Acq: 6 Jun 2019 19:57

Tgt Ion: 91 Resp: 447059

Ion Ratio Lower Upper

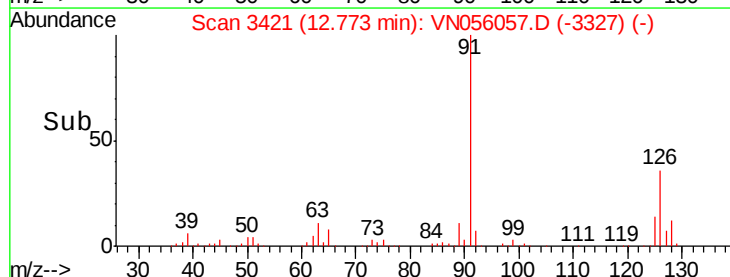
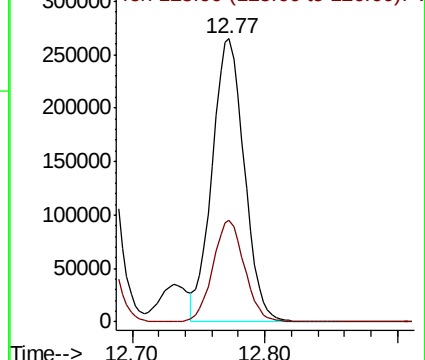
91 100

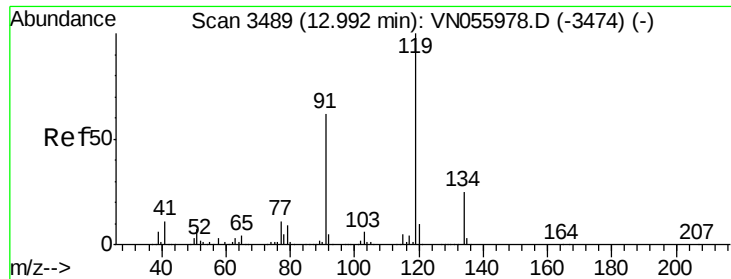
126 35.2 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

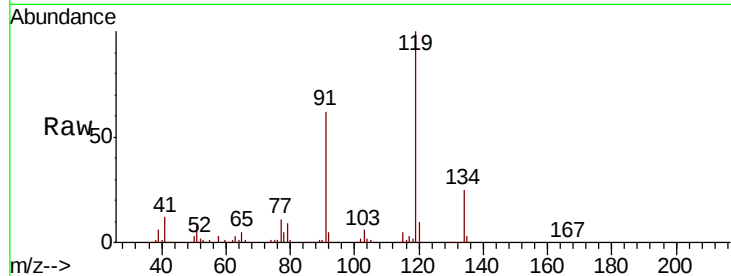




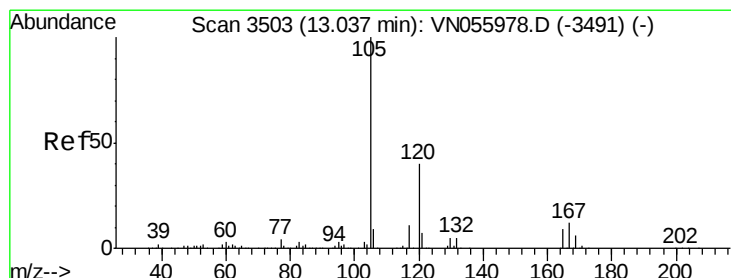
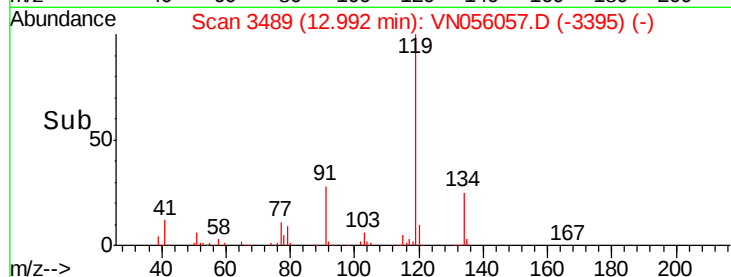
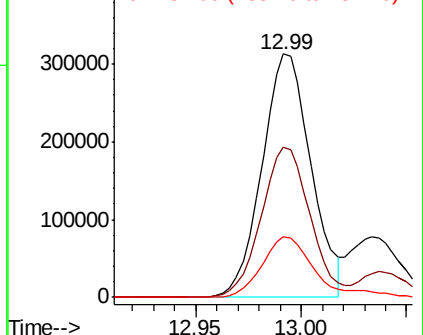
#83
tert-Butylbenzene
Concen: 53.444 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 506188
Ion Ratio Lower Upper
119 100
91 61.3 30.9 92.8
134 26.8 13.3 39.8

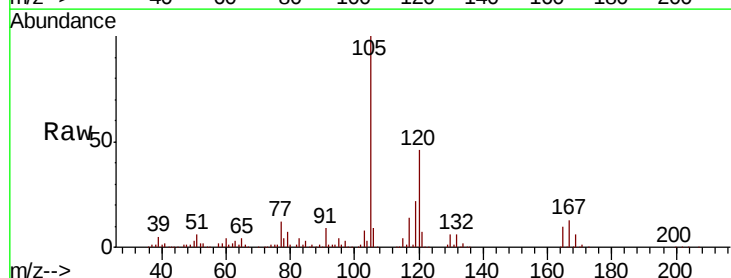


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

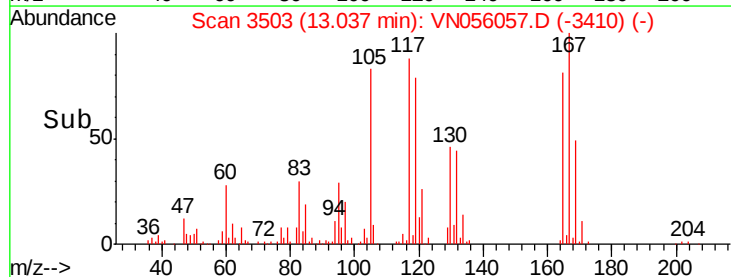
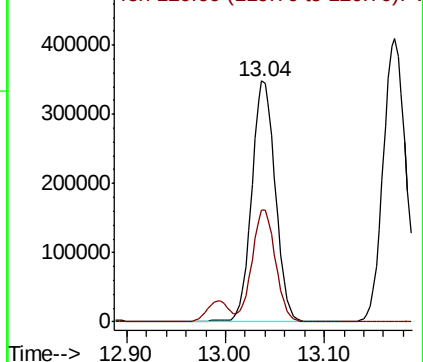


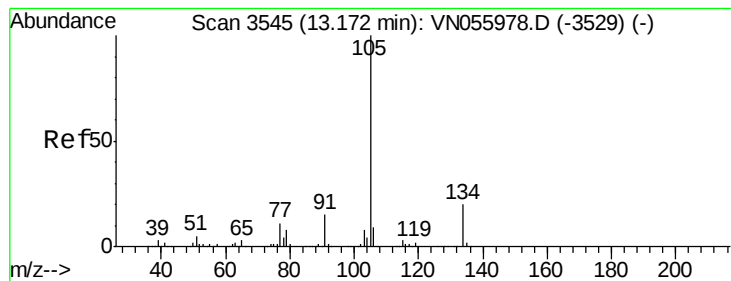
#84
1,2,4-Trimethylbenzene
Concen: 49.192 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056057.D
Acq: 6 Jun 2019 19:57

Tgt Ion:105 Resp: 571450
Ion Ratio Lower Upper
105 100
120 46.3 23.0 69.0



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





#85

sec-Butylbenzene

Concen: 48.159 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

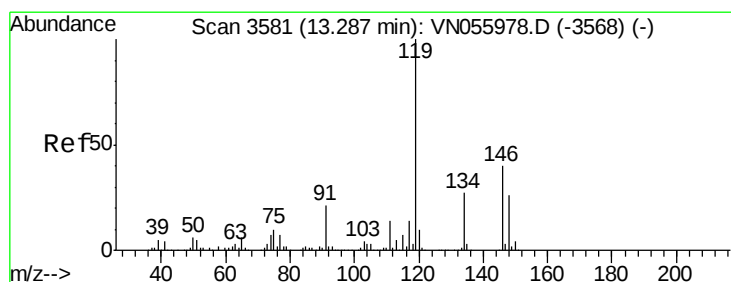
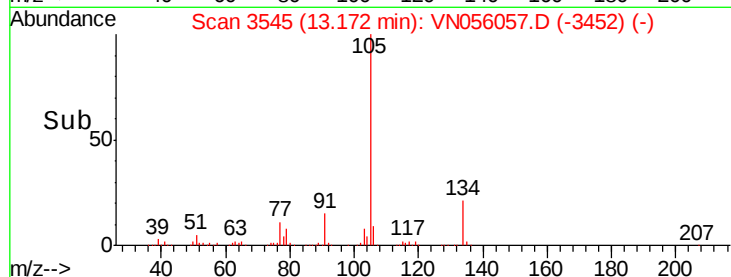
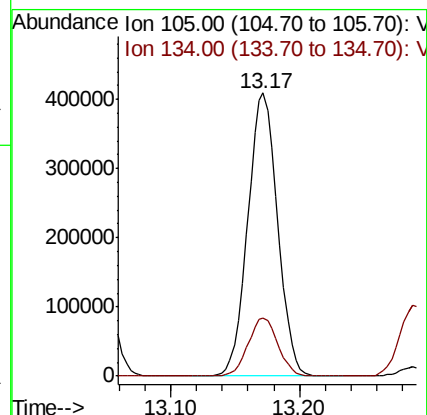
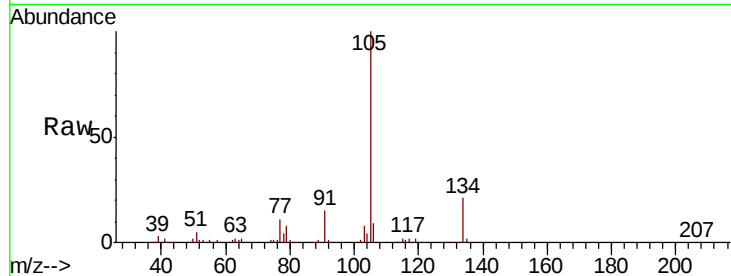
VSTDCCC050EC

Tot Ion:105 Resp: 657382

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2



#86

p-Isopropyltoluene

Concen: 49.017 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

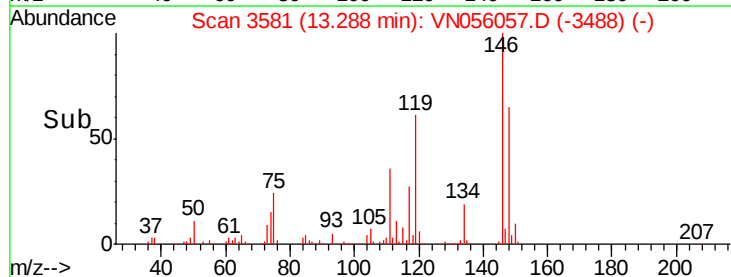
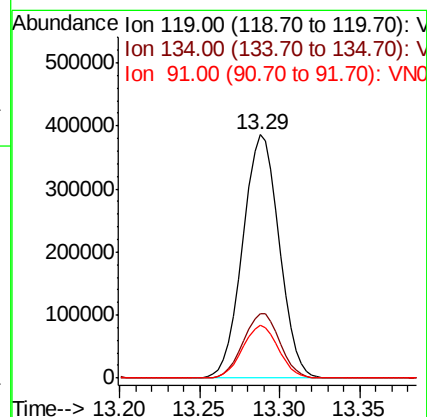
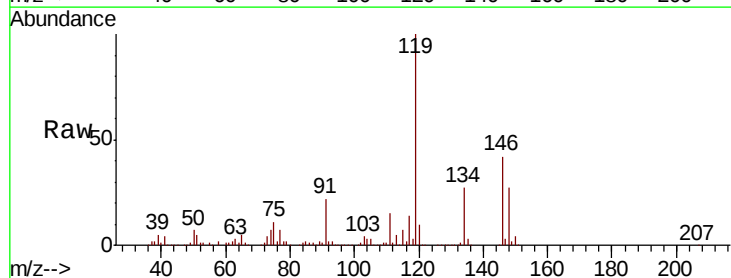
Tgt Ion:119 Resp: 598817

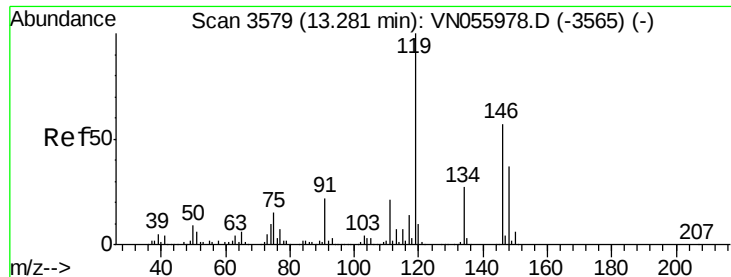
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

91 21.4 10.9 32.9





#87

1,3-Dichlorobenzene

Concen: 49.871 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

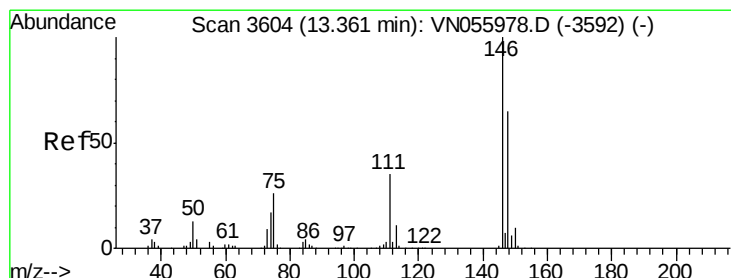
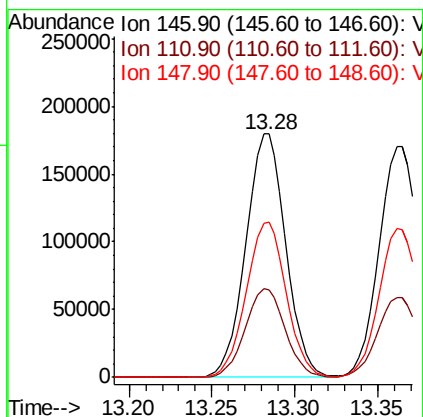
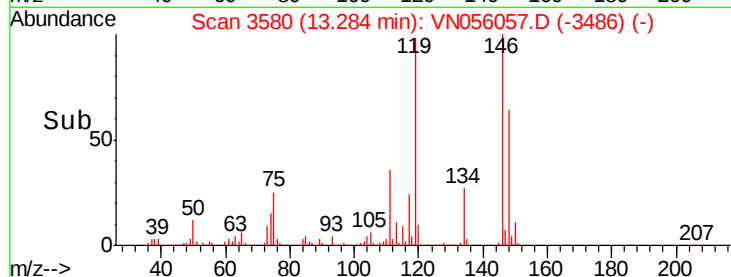
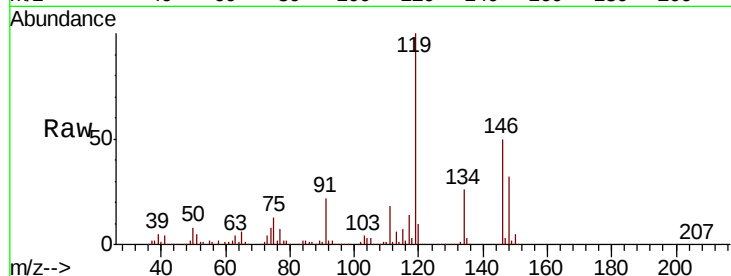
Tot Ion:146 Resp: 301084

Ion Ratio Lower Upper

146 100

111 36.5 18.5 55.5

148 64.1 32.0 96.2



#88

1,4-Dichlorobenzene

Concen: 49.781 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

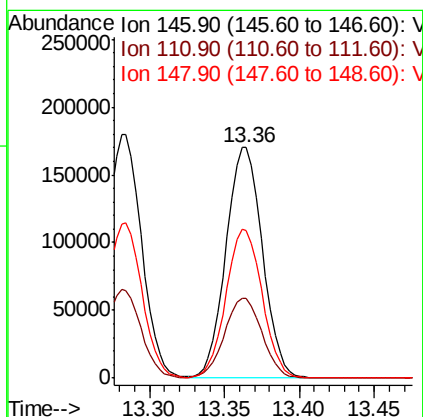
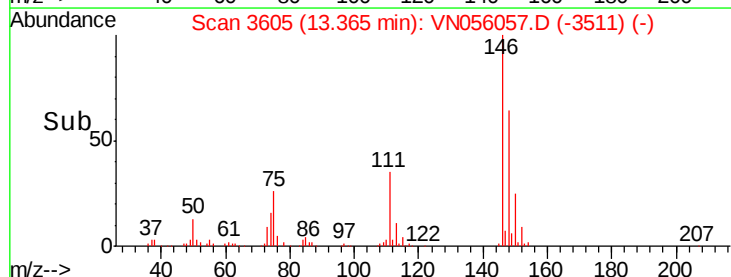
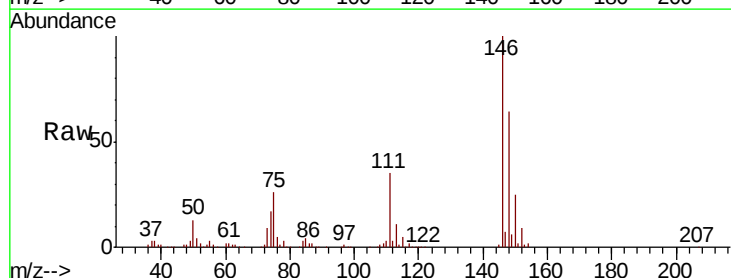
Tgt Ion:146 Resp: 289107

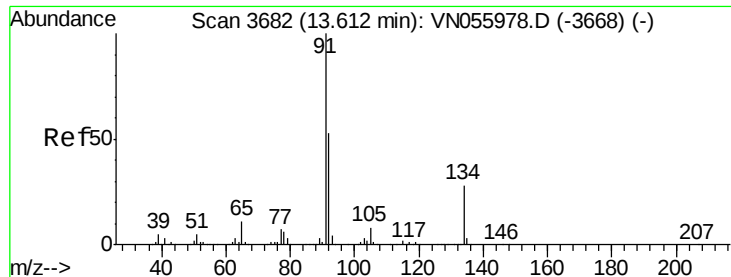
Ion Ratio Lower Upper

146 100

111 35.4 18.1 54.4

148 64.1 32.1 96.5





#89

n-Butylbenzene

Concen: 50.153 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

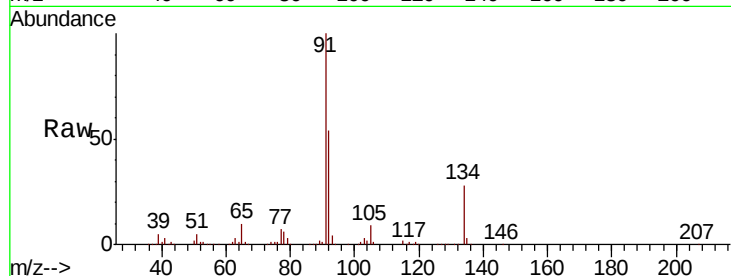
Tot Ion: 91 Resp: 453870

Ion Ratio Lower Upper

91 100

92 52.9 26.4 79.0

134 27.5 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055978.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055978.D (-3668) (-)

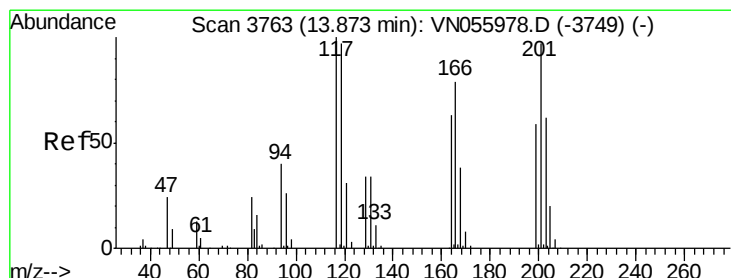
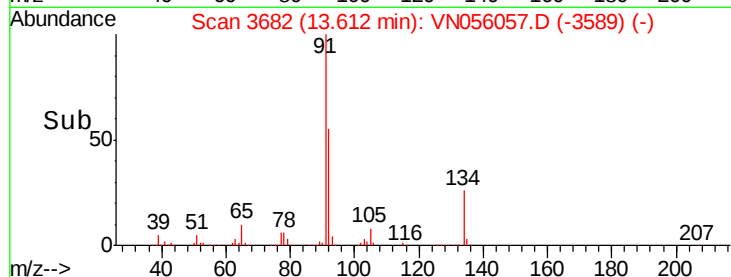
13.61

300000

100000

0

Time--> 13.50 13.60 13.70



#90

Hexachloroethane

Concen: 49.609 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056057.D

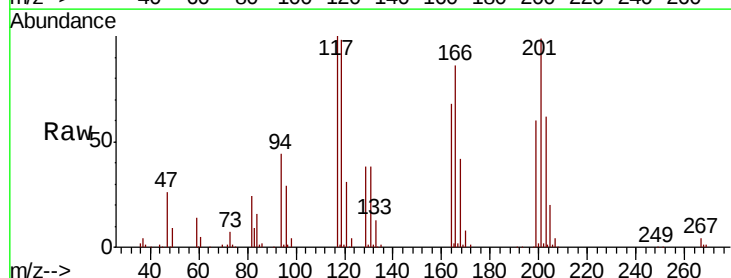
Acq: 6 Jun 2019 19:57

Tgt Ion: 117 Resp: 91396

Ion Ratio Lower Upper

117 100

201 96.7 50.0 150.0



Abundance Ion 116.80 (116.50 to 117.50): VN055978.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055978.D (-3749) (-)

13.87

60000

50000

40000

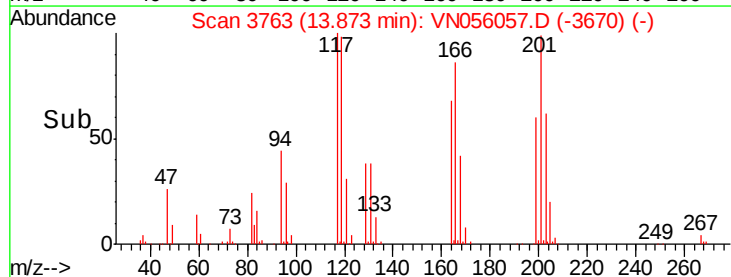
30000

20000

10000

0

Time--> 13.80 13.85 13.90





#91

1,2-Dichlorobenzene

Concen: 49.165 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

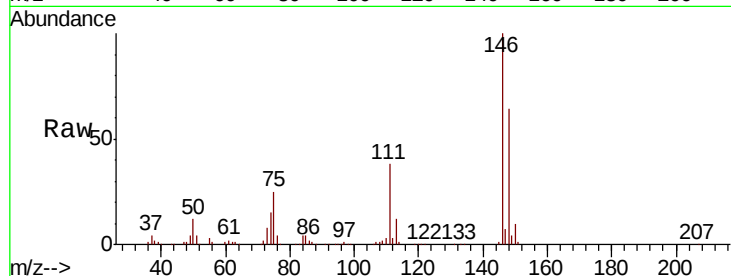
Tot Ion:146 Resp: 299672

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.5

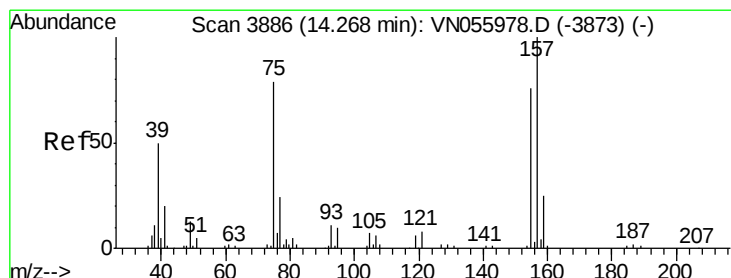
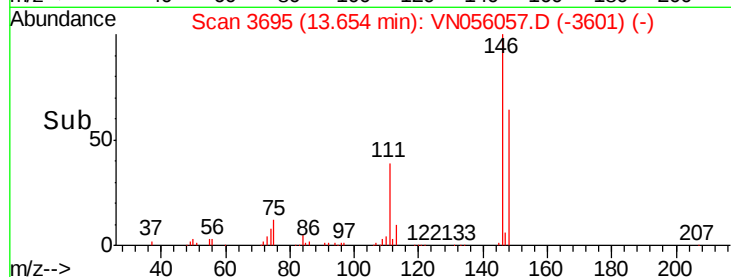
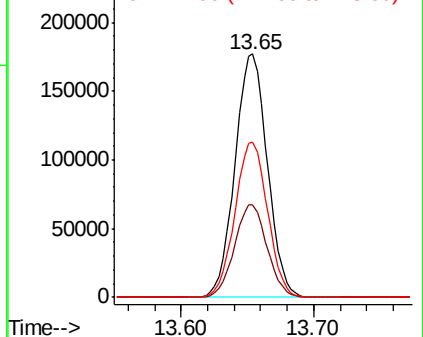
148 64.2 31.9 95.9



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: 55.052 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

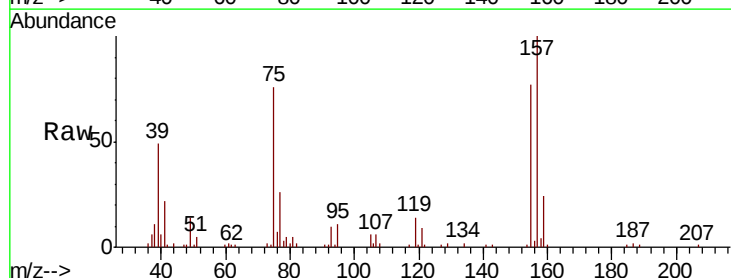
Tgt Ion: 75 Resp: 33304

Ion Ratio Lower Upper

75 100

155 102.1 50.0 150.1

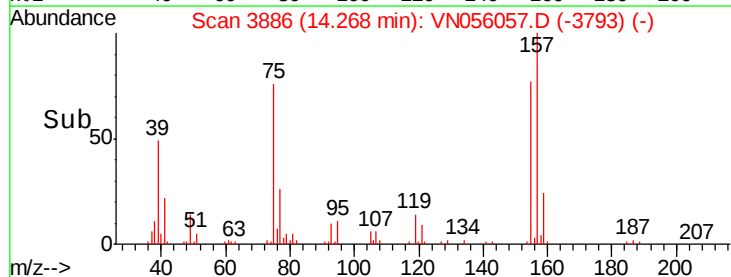
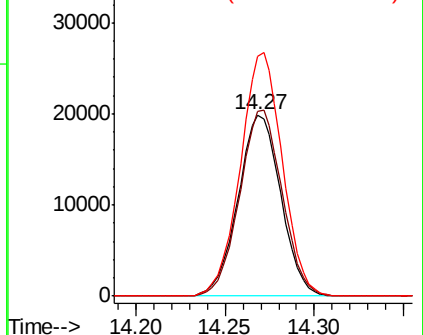
157 132.0 64.8 194.3



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

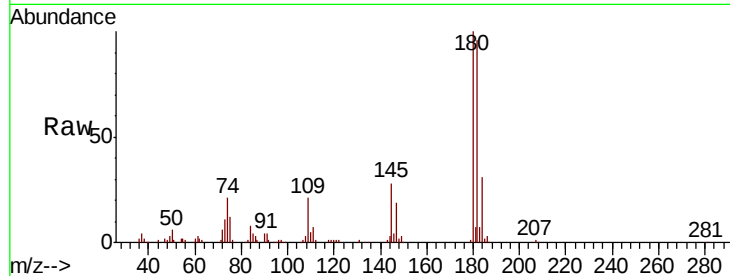




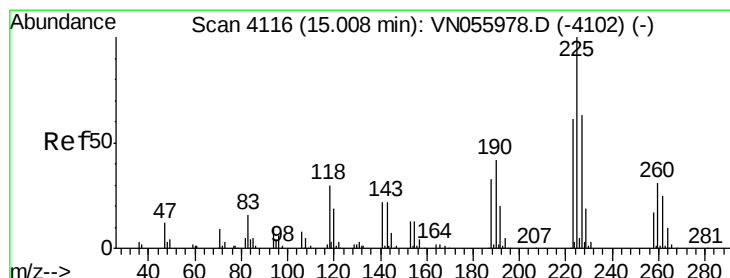
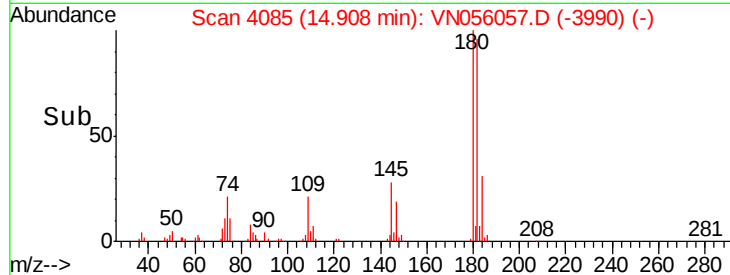
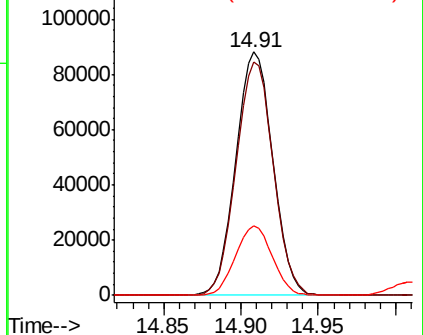
#93
 1,2,4-Trichlorobenzene
 Concen: 44.139 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 146420
 Ion Ratio Lower Upper
 180 100
 182 96.3 48.3 144.9
 145 28.3 14.0 41.9

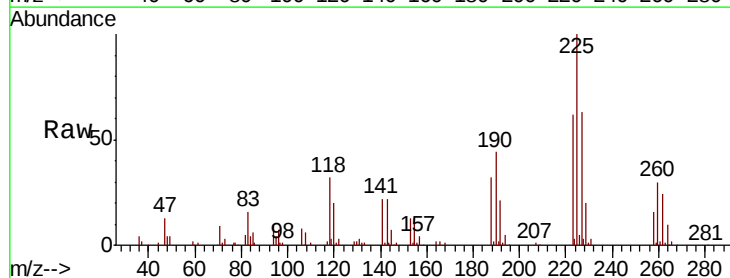


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

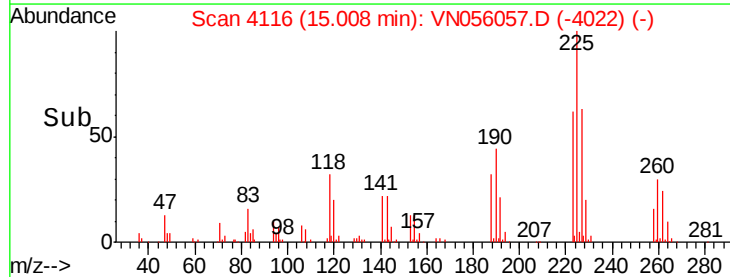
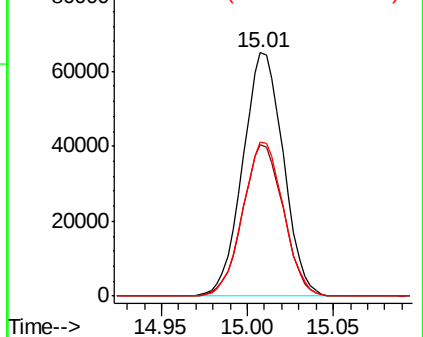


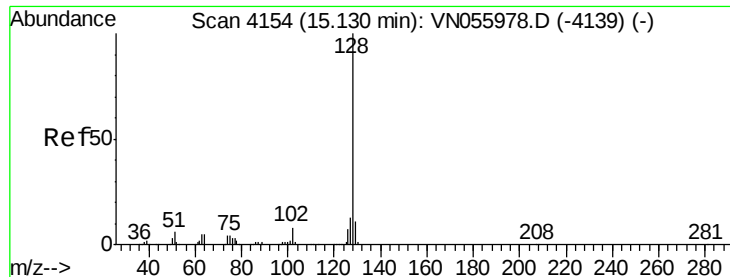
#94
 Hexachlorobutadiene
 Concen: 51.003 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056057.D
 Acq: 6 Jun 2019 19:57

Tgt Ion:225 Resp: 106536
 Ion Ratio Lower Upper
 225 100
 223 62.4 30.9 92.7
 227 63.5 31.6 94.7



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





#95

Naphthalene

Concen: 47.856 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

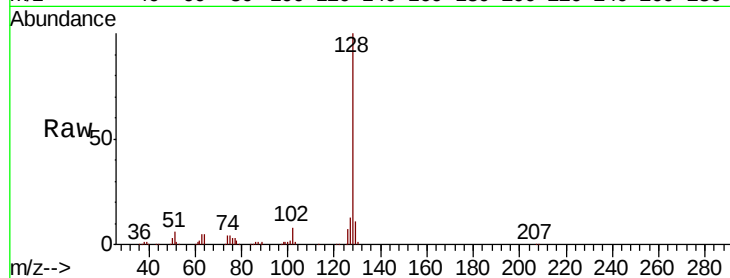
Tot Ion:128 Resp: 415476

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

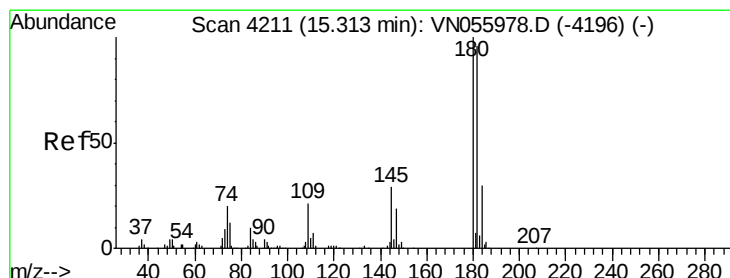
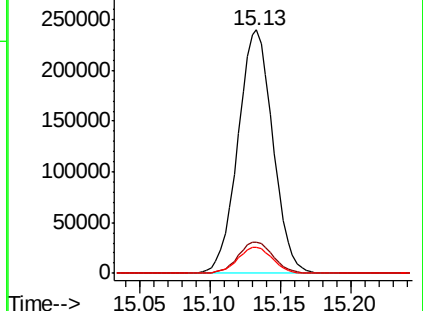
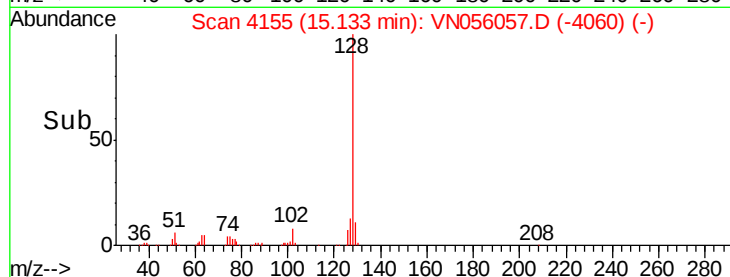
129 10.8 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.593 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056057.D

Acq: 6 Jun 2019 19:57

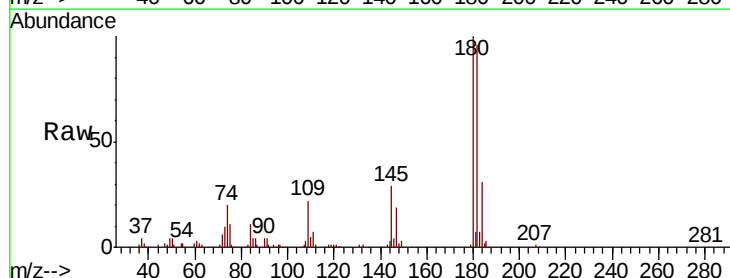
Tgt Ion:180 Resp: 162384

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.7

145 29.5 14.9 44.7



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

