

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071719\
 Data File : VN056783.D
 Acq On : 17 Jul 2019 8:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 18 01:03:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 07:03:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	325089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	480526	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	430077	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	200067	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	175712	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.59	113	153377	51.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.58%	
50) Toluene-d8	10.09	98	598806	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.40	95	207639	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	140458	46.013	ug/l	98
3) Chloromethane	2.06	50	186310	45.397	ug/l	100
4) Vinyl Chloride	2.18	62	184174	46.601	ug/l	99
5) Bromomethane	2.55	94	111775	48.094	ug/l	95
6) Chloroethane	2.69	64	105861	45.967	ug/l	99
7) Trichlorofluoromethane	3.01	101	239690	47.265	ug/l	99
8) Diethyl Ether	3.40	74	95301	48.202	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	151074	49.586	ug/l	100
10) Methyl Iodide	3.95	142	204722	50.237	ug/l	99
11) Tert butyl alcohol	4.78	59	144899	242.086	ug/l	99
12) 1,1-Dichloroethene	3.73	96	144587	47.312	ug/l	99
13) Acrolein	3.60	56	46066	226.389	ug/l	96
14) Allyl chloride	4.32	41	252847	47.842	ug/l	100
15) Acrylonitrile	4.98	53	421742	243.993	ug/l	99
16) Acetone	3.81	43	463643	279.793	ug/l	100
17) Carbon Disulfide	4.05	76	372460	46.121	ug/l	100
18) Methyl Acetate	4.32	43	174838	46.918	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	464543	47.708	ug/l	99
20) Methylene Chloride	4.55	84	170871	47.185	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	156623	48.484	ug/l	96
22) Diisopropyl ether	5.95	45	520403	49.886	ug/l	96
23) Vinyl Acetate	5.89	43	2139620	253.108	ug/l	100
24) 1,1-Dichloroethane	5.85	63	292721	48.399	ug/l	99
25) 2-Butanone	6.83	43	614290	253.557	ug/l	100
26) 2,2-Dichloropropane	6.82	77	225127	51.623	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	183923	49.480	ug/l	99
28) Bromochloromethane	7.19	49	146305	51.449	ug/l	97
29) Tetrahydrofuran	7.21	42	371182	234.904	ug/l	98
30) Chloroform	7.37	83	288946	47.741	ug/l	99
31) Cyclohexane	7.65	56	278194	48.394	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	240674	50.282	ug/l	99
36) 1,1-Dichloropropene	7.79	75	222117	49.952	ug/l	100
37) Ethyl Acetate	6.92	43	219920	50.181	ug/l	98
38) Carbon Tetrachloride	7.77	117	209236	50.176	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	283705	51.672	ug/l	98
40) Benzene	8.04	78	678875	49.827	ug/l	99
41) Methacrylonitrile	7.20	41	322377	167.462	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	212771	49.413	ug/l	99
43) Isopropyl Acetate	8.16	43	352393	51.147	ug/l	100
44) Trichloroethene	8.83	130	186276	50.347	ug/l	95
45) 1,2-Dichloropropane	9.12	63	183537	50.697	ug/l	99
46) Dibromomethane	9.21	93	115593	51.524	ug/l	99
47) Bromodichloromethane	9.40	83	220094	51.626	ug/l	99
48) Methyl methacrylate	9.20	41	168725	50.638	ug/l	98
49) 1,4-Dioxane	9.20	88	72997	1067.700	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	1114259	249.701	ug/l	100
52) Toluene	10.15	92	420443	51.962	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	239495	53.845	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	272220	52.741	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	167773	49.436	ug/l	99
56) Ethyl methacrylate	10.43	69	259944	53.233	ug/l	99
57) 1,3-Dichloropropane	10.71	76	282767	51.014	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	593050	252.556	ug/l	98
59) 2-Hexanone	10.75	43	847117	264.566	ug/l	100
60) Dibromochloromethane	10.90	129	179085	53.655	ug/l	99
61) 1,2-Dibromoethane	11.00	107	175790	52.120	ug/l	100
64) Tetrachloroethene	10.63	164	187737	50.598	ug/l	98
65) Chlorobenzene	11.43	112	449406	51.104	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	167091	51.606	ug/l	99
67) Ethyl Benzene	11.51	91	797399	51.596	ug/l	100
68) m/p-Xylenes	11.62	106	601514	104.145	ug/l	98
69) o-Xylene	11.94	106	291220	51.287	ug/l	99
70) Styrene	11.96	104	495488	53.974	ug/l	100
71) Bromoform	12.12	173	132548	53.803	ug/l #	100
73) Isopropylbenzene	12.25	105	776667	48.146	ug/l	100
74) N-amyl acetate	12.07	43	289227	48.142	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	240671	51.583	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	297404	67.966	ug/l #	100
77) Bromobenzene	12.52	156	203262	48.173	ug/l	98
78) n-propylbenzene	12.59	91	880505	49.166	ug/l	100
79) 2-Chlorotoluene	12.67	91	524772	53.129	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	667100	48.793	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	72906	51.456	ug/l	98
82) 4-Chlorotoluene	12.77	91	524735	49.928	ug/l	99
83) tert-Butylbenzene	12.99	119	570383	53.622	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	669470	50.122	ug/l	99
85) sec-Butylbenzene	13.17	105	757688	49.873	ug/l	99
86) p-Isopropyltoluene	13.29	119	692351	50.307	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	345174	49.918	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	338141	50.273	ug/l	100
89) n-Butylbenzene	13.61	91	586690	52.922	ug/l	100
90) Hexachloroethane	13.87	117	111525	50.110	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	345371	48.835	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	41205	47.635	ug/l	99

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Quant Title : SW846 8260
QLast Update : Tue Jul 16 07:03:34 2019
Response via : Initial Calibration

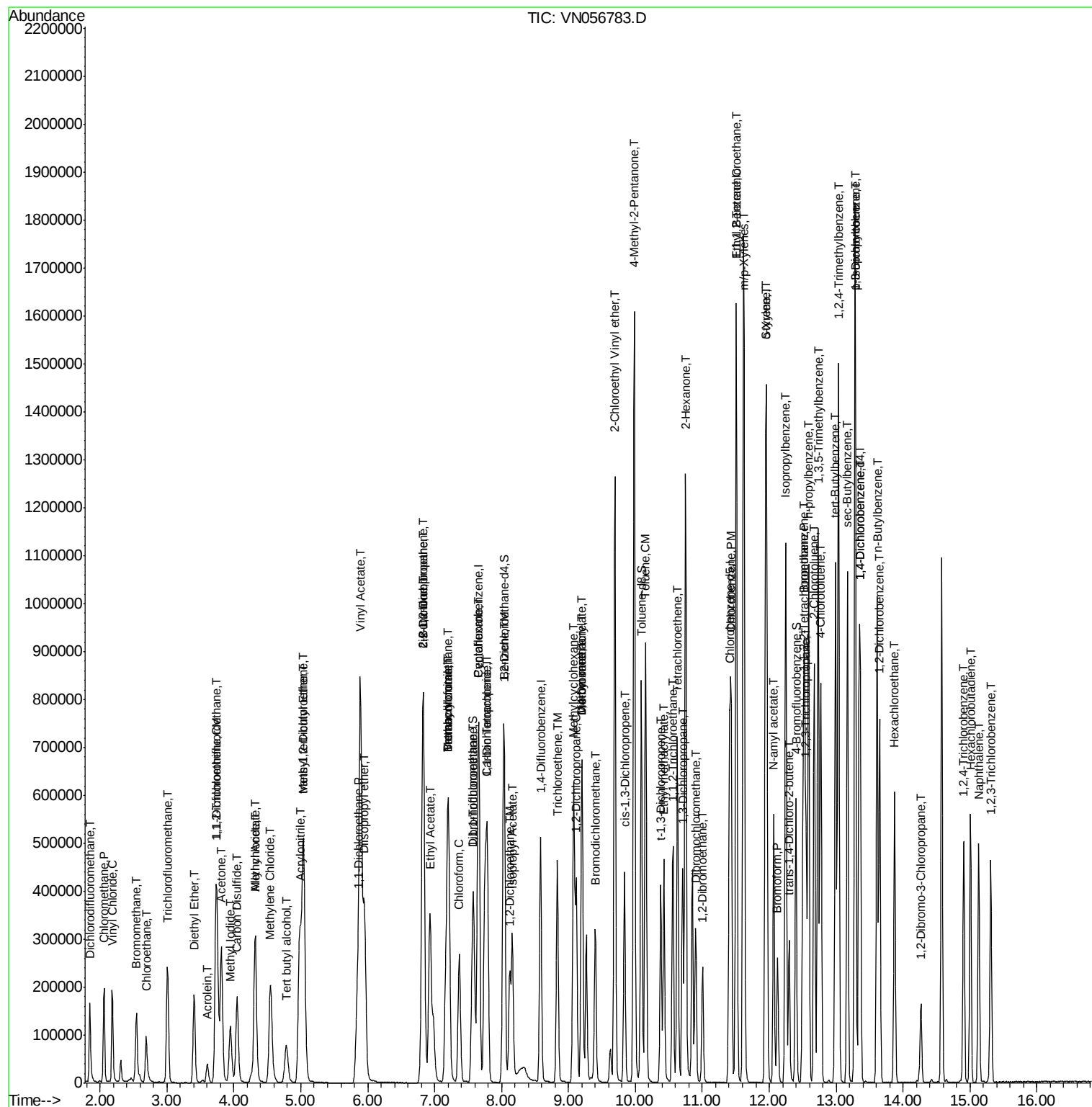
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	181026	46.604	ug/l	99
94) Hexachlorobutadiene	15.01	225	122019	55.046	ug/l	99
95) Naphthalene	15.13	128	443647	42.168	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	176578	45.818	ug/l	98

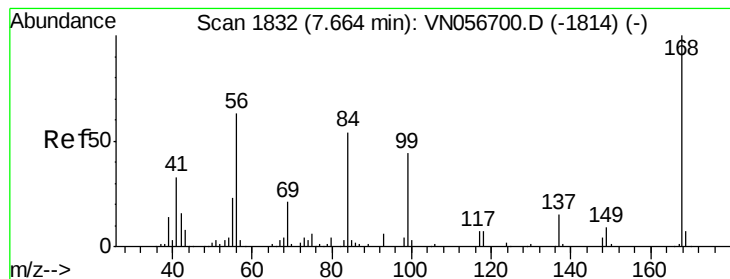
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

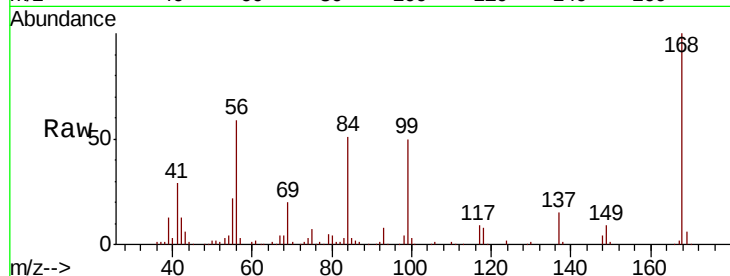
VSTDCCC050

Tot Ion:168 Resp: 325089

Ion Ratio Lower Upper

168 100

99 49.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

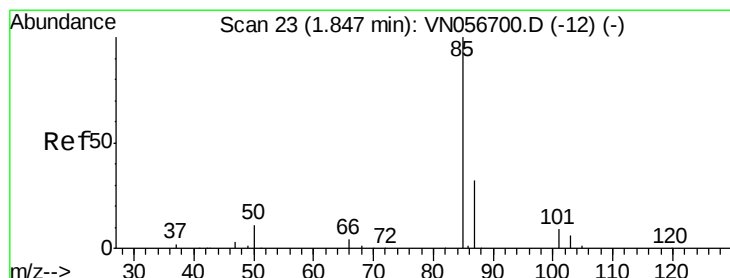
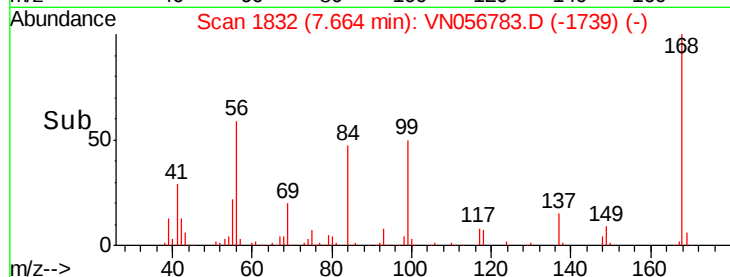
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.013 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056783.D

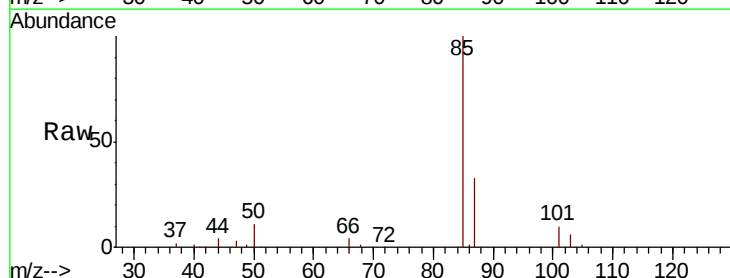
Acq: 17 Jul 2019 8:55

Tgt Ion: 85 Resp: 140458

Ion Ratio Lower Upper

85 100

87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

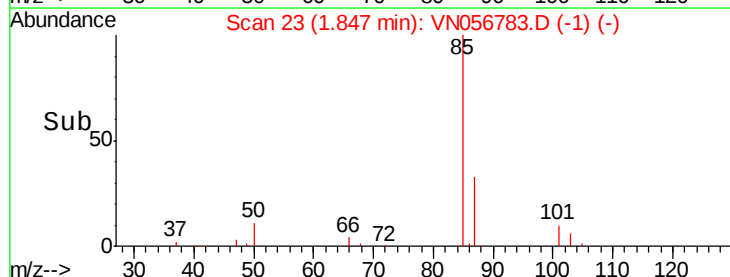
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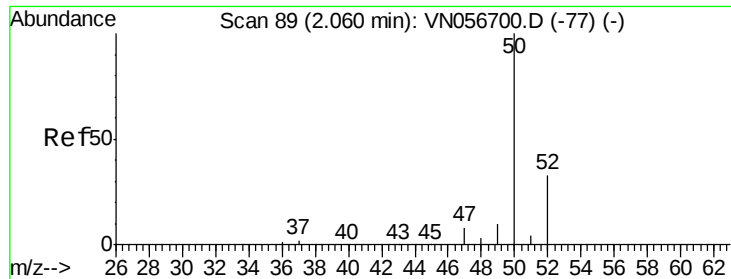
40000

20000

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Time-->





#3

Chloromethane

Concen: 45.397 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

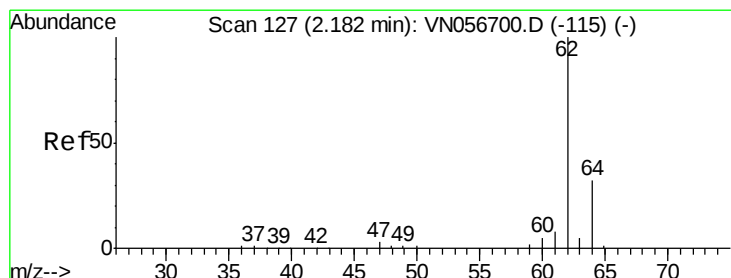
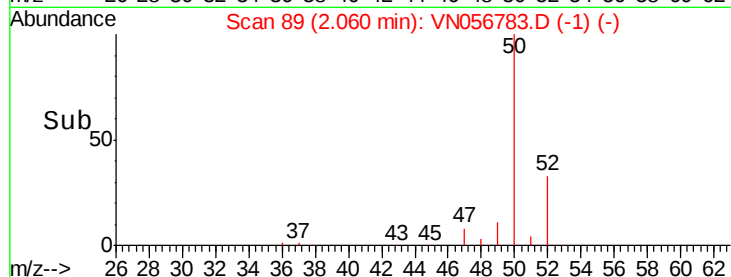
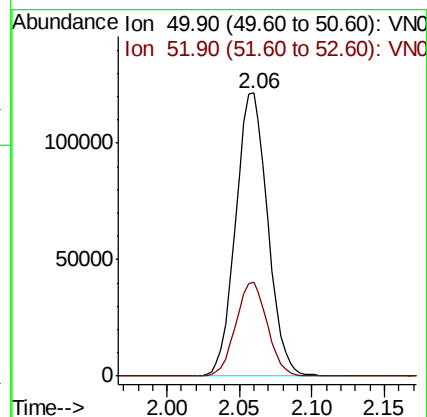
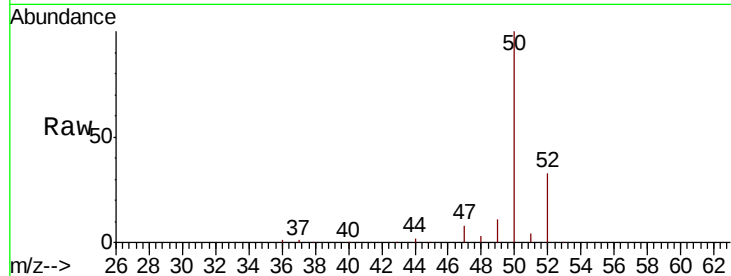
VSTDCCC050

Tot Ion: 50 Resp: 186310

Ion Ratio Lower Upper

50 100

52 33.0 26.5 39.7



#4

Vinyl Chloride

Concen: 46.601 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN056783.D

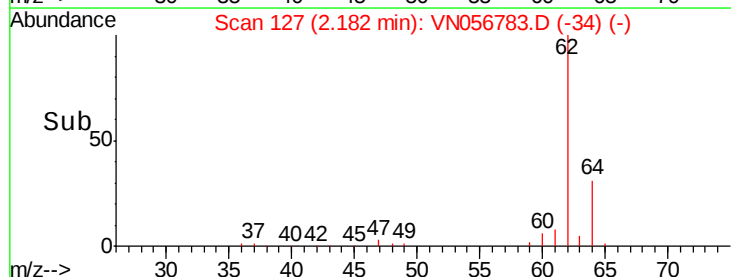
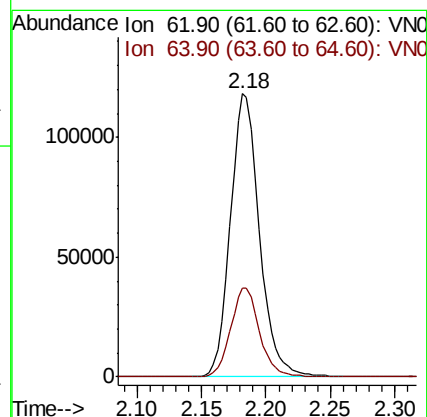
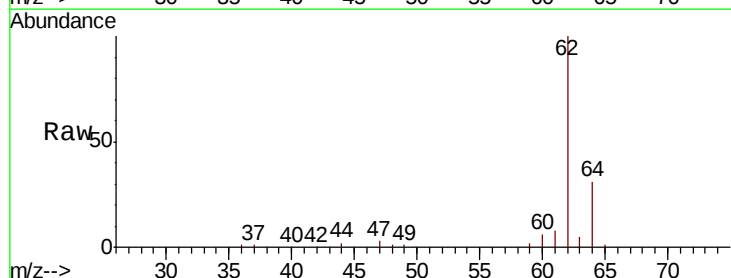
Acq: 17 Jul 2019 8:55

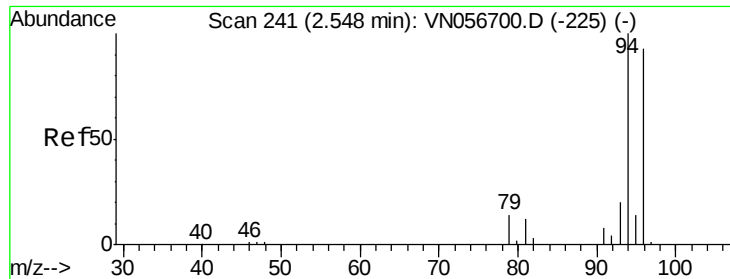
Tgt Ion: 62 Resp: 184174

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4

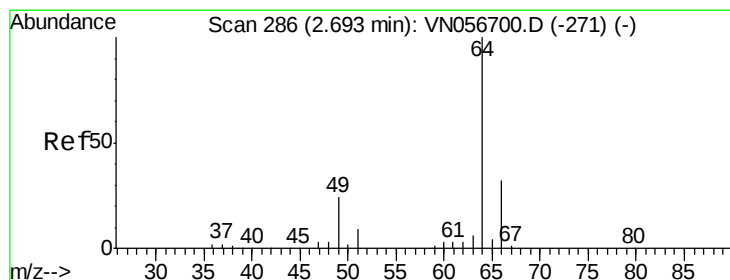
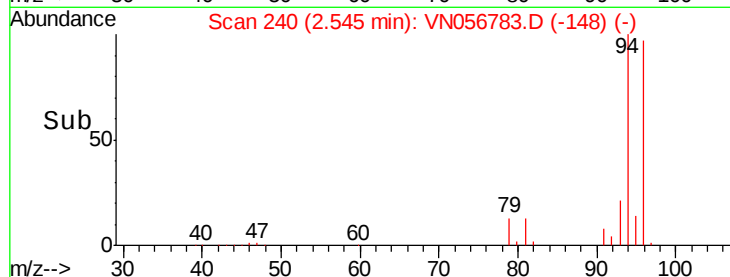
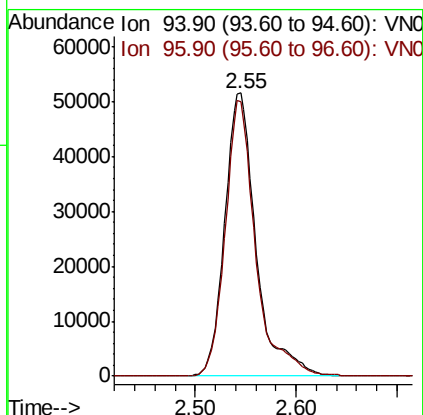
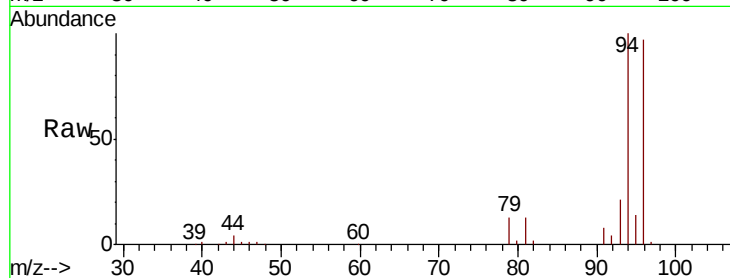




#5
Bromomethane
Concen: 48.094 ug/l
RT: 2.55 min Scan# 240
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

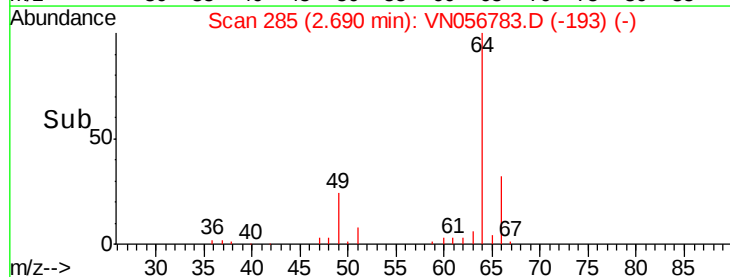
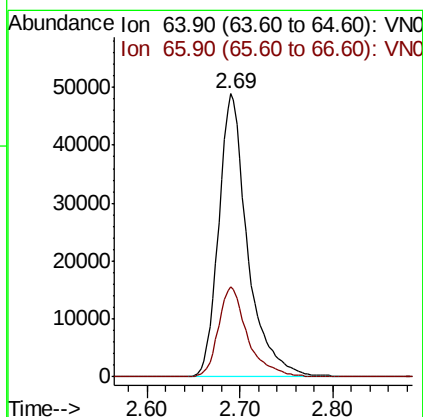
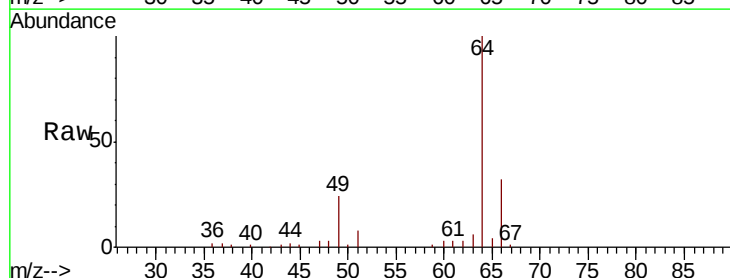
Instrument :
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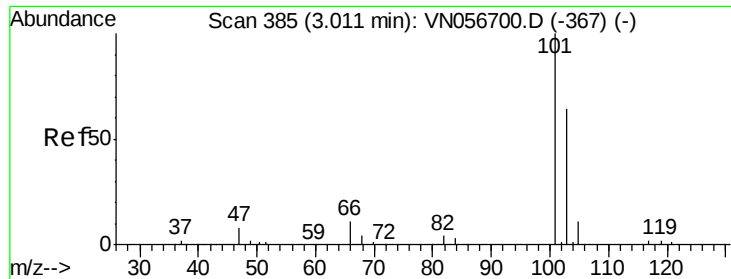
Tot Ion: 94 Resp: 111775
Ion Ratio Lower Upper
94 100
96 96.9 74.0 111.0



#6
Chloroethane
Concen: 45.967 ug/l
RT: 2.69 min Scan# 285
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion: 64 Resp: 105861
Ion Ratio Lower Upper
64 100
66 31.7 25.8 38.8



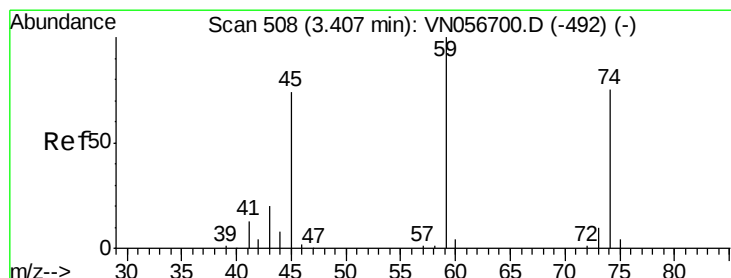
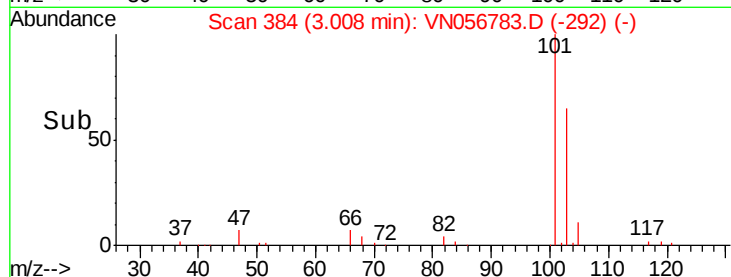
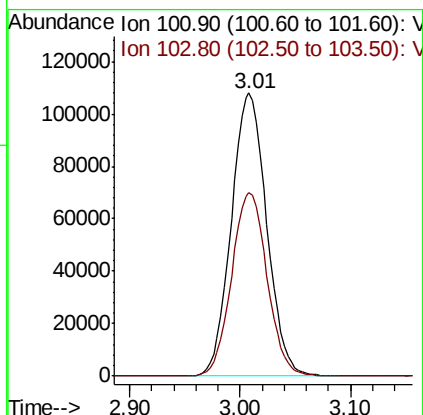
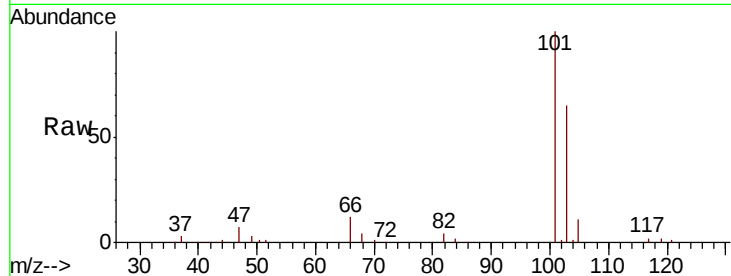


#7

Trichlorofluoromethane
Concen: 47.265 ug/l
RT: 3.01 min Scan# 384
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Instrument :
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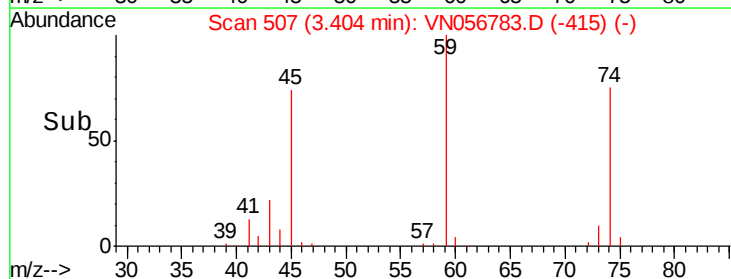
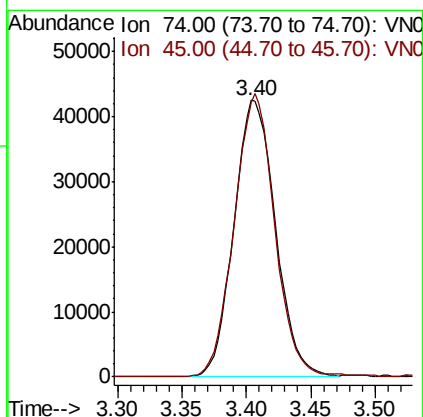
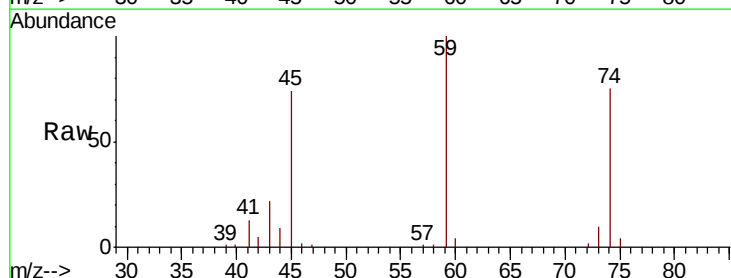
Tot Ion: 101 Resp: 239690
Ion Ratio Lower Upper
101 100
103 65.0 51.5 77.3

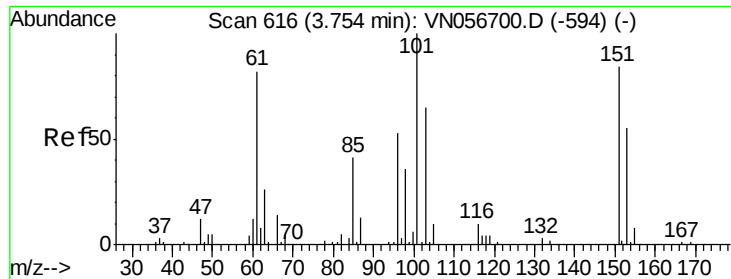


#8

Diethyl Ether
Concen: 48.202 ug/l
RT: 3.40 min Scan# 507
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion: 74 Resp: 95301
Ion Ratio Lower Upper
74 100
45 99.5 49.4 148.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.586 ug/l

RT: 3.75 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

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VSTDCCC050

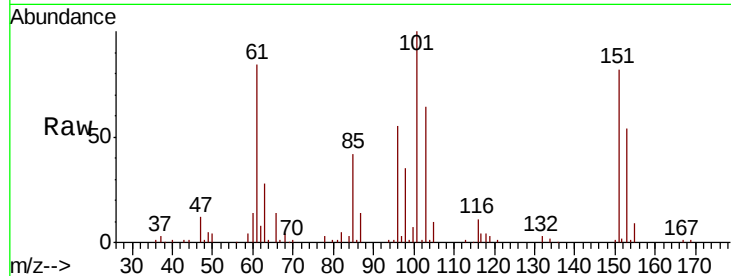
Tot Ion:101 Resp: 151074

Ion Ratio Lower Upper

101 100

85 41.8 33.3 49.9

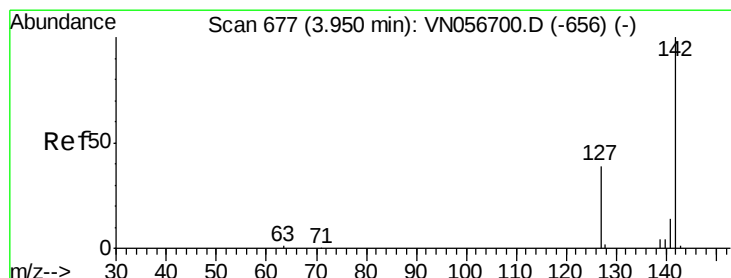
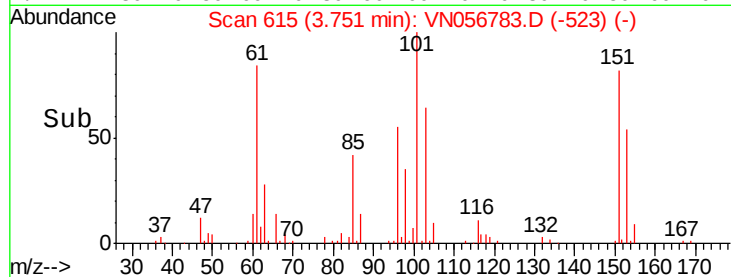
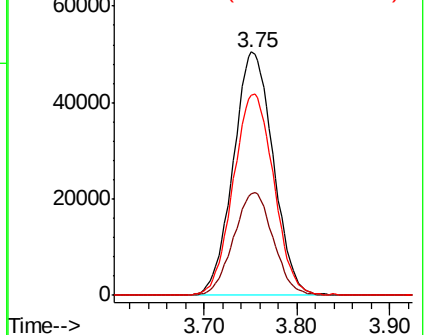
151 83.8 67.0 100.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.237 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

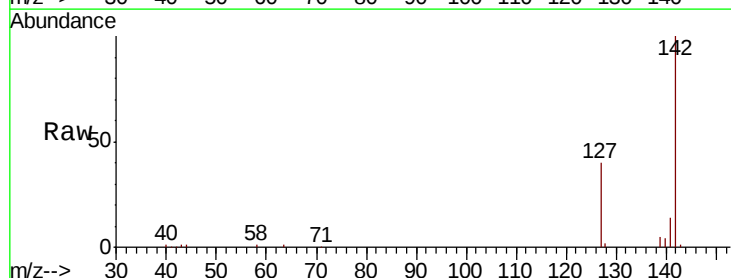
Tgt Ion:142 Resp: 204722

Ion Ratio Lower Upper

142 100

127 39.3 30.7 46.1

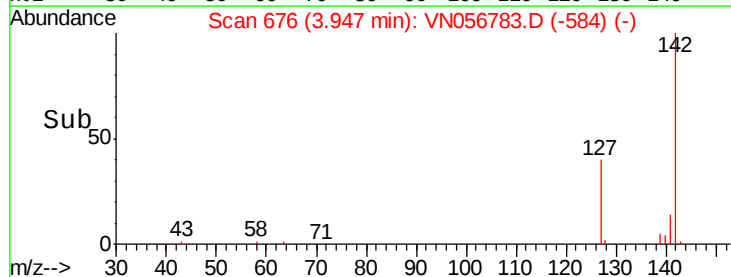
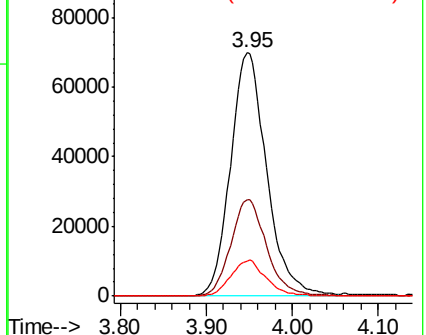
141 14.3 11.3 16.9

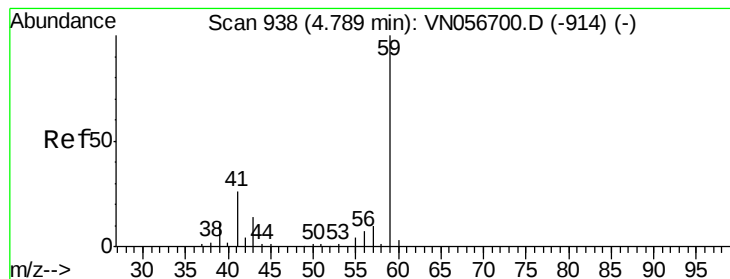


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



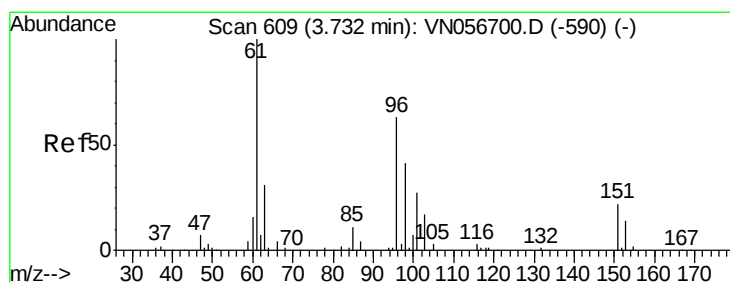
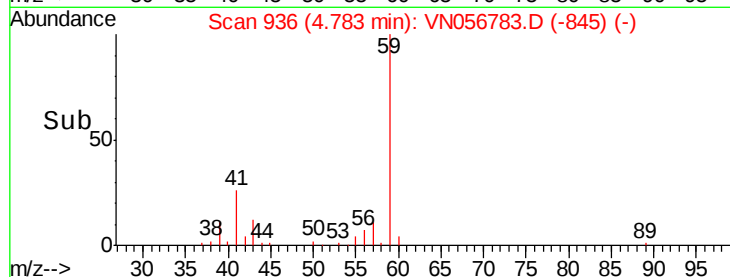
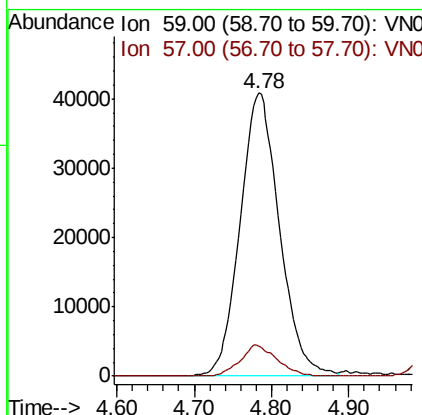
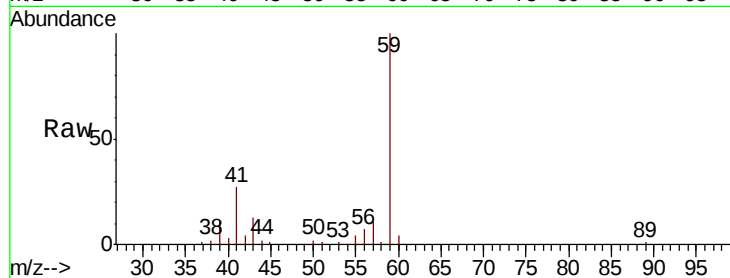


#11

Tert butyl alcohol
 Concen: 242.086 ug/l
 RT: 4.78 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

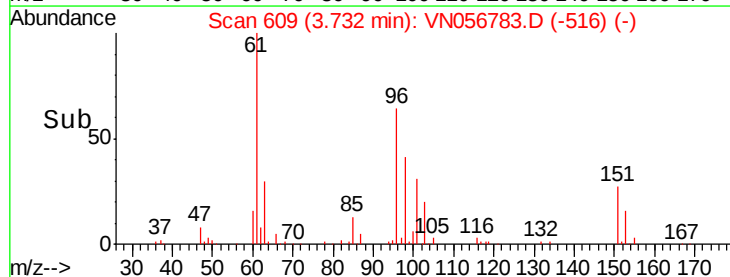
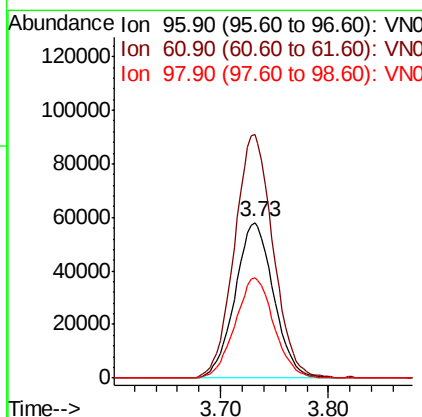
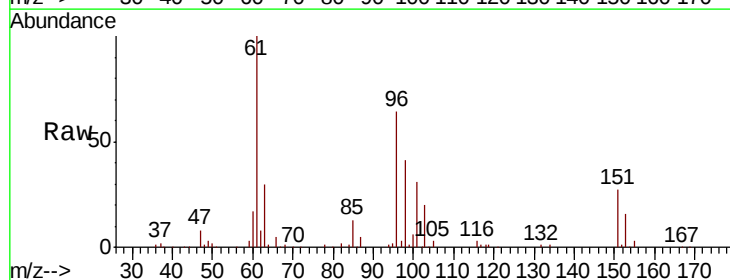
Tot Ion: 59 Resp: 144899
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.0 12.0

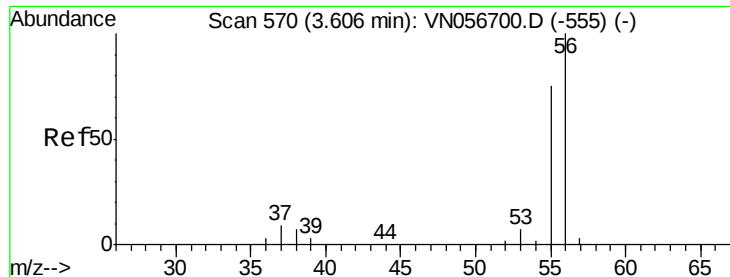


#12

1,1-Dichloroethene
 Concen: 47.312 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Tgt Ion: 96 Resp: 144587
 Ion Ratio Lower Upper
 96 100
 61 156.6 126.6 189.8
 98 64.5 51.4 77.2





#13

Acrolein

Concen: 226.389 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

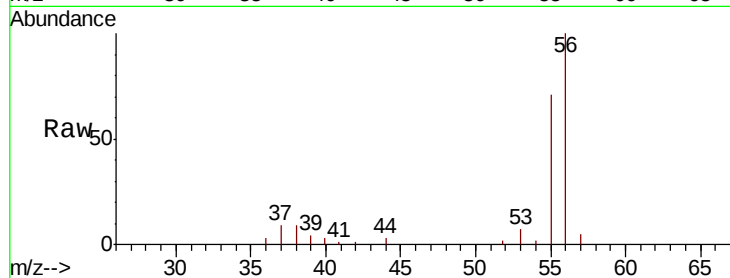
VSTDCCC050

Tot Ion: 56 Resp: 46066

Ion Ratio Lower Upper

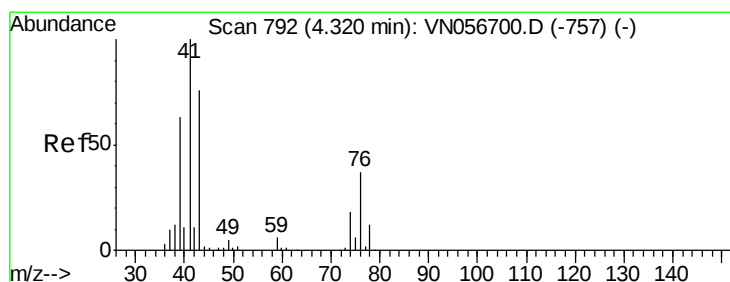
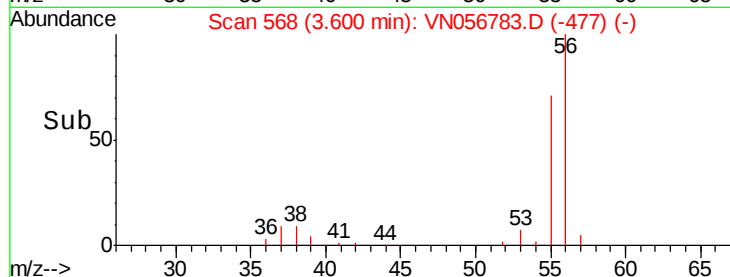
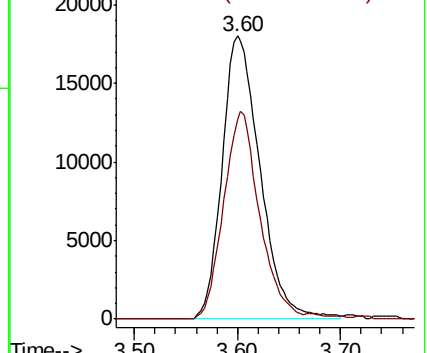
56 100

55 69.4 58.0 87.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 47.842 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

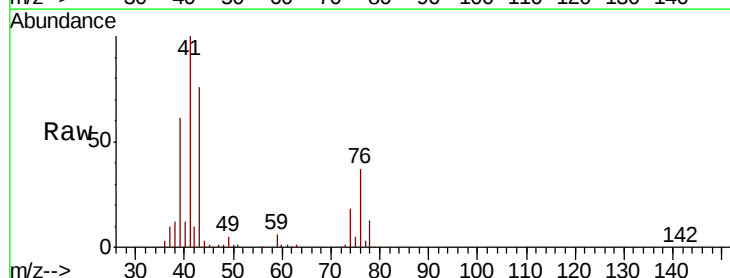
Tgt Ion: 41 Resp: 252847

Ion Ratio Lower Upper

41 100

39 58.3 46.9 70.3

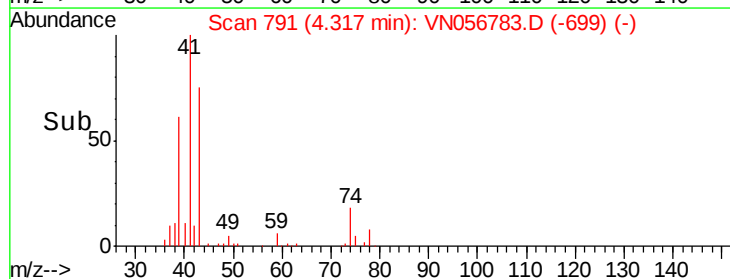
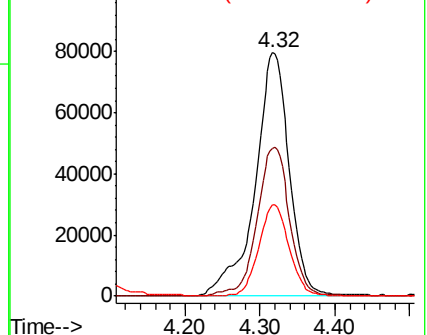
76 32.7 26.5 39.7

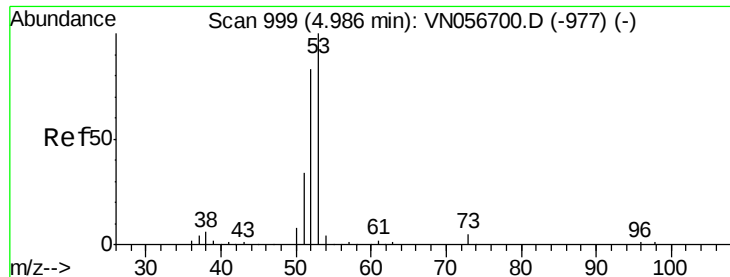


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 243.993 ug/l

RT: 4.98 min Scan# 997

Delta R.T. -0.01 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

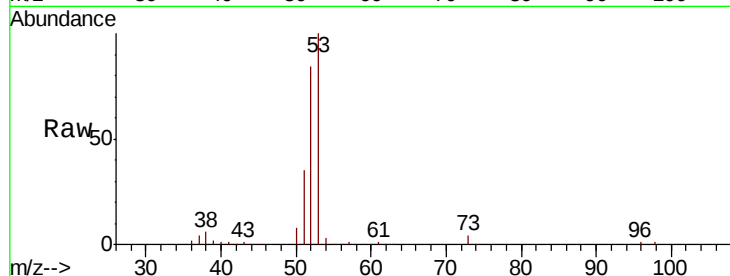
Tot Ion: 53 Resp: 421742

Ion Ratio Lower Upper

53 100

52 81.8 66.6 99.8

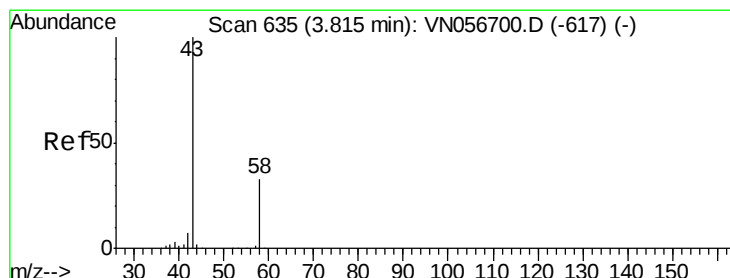
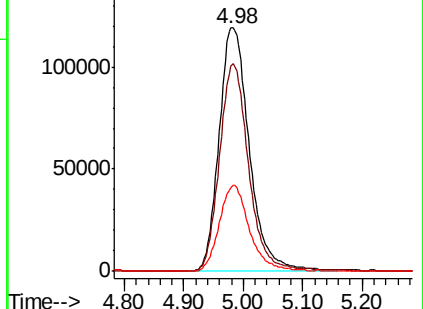
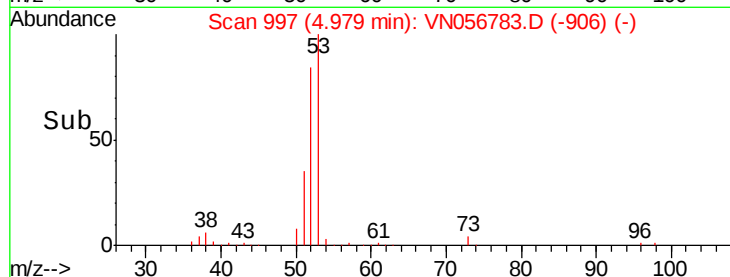
51 35.3 28.4 42.6



Abundance Ion 53.00 (52.70 to 53.70): VN056783.D (-906) (-)

Ion 52.00 (51.70 to 52.70): VN056783.D (-906) (-)

Ion 51.00 (50.70 to 51.70): VN056783.D (-906) (-)



#16

Acetone

Concen: 279.793 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN056783.D

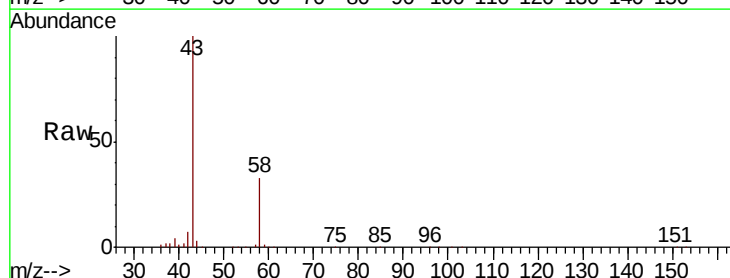
Acq: 17 Jul 2019 8:55

Tgt Ion: 43 Resp: 463643

Ion Ratio Lower Upper

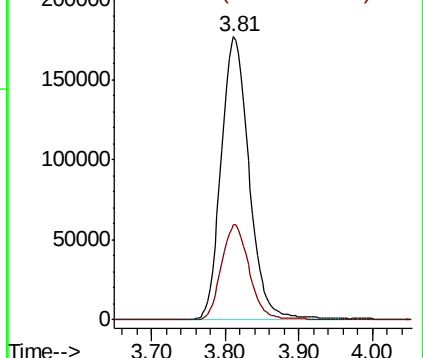
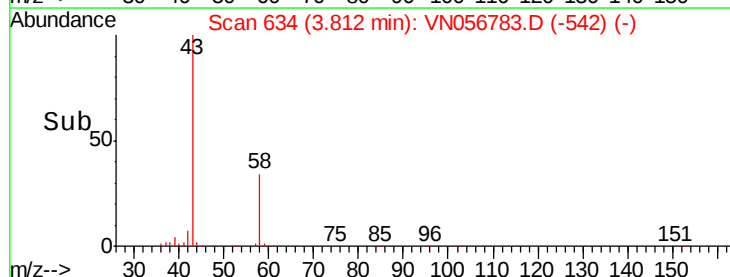
43 100

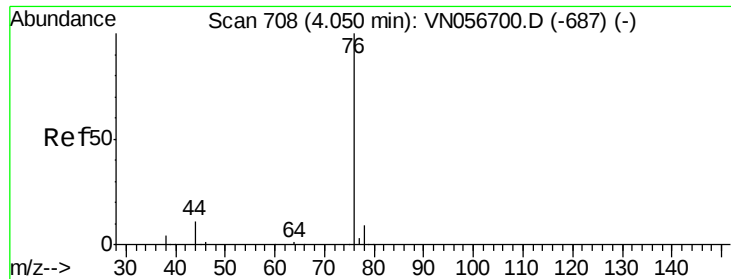
58 33.5 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056783.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056783.D (-542) (-)

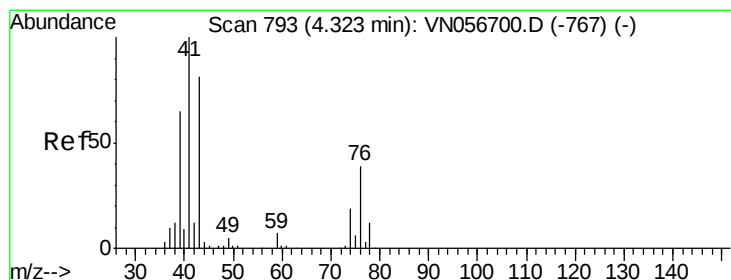
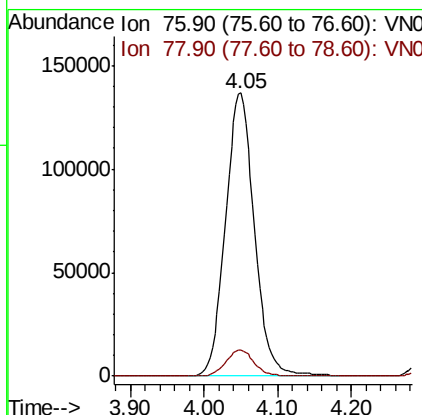
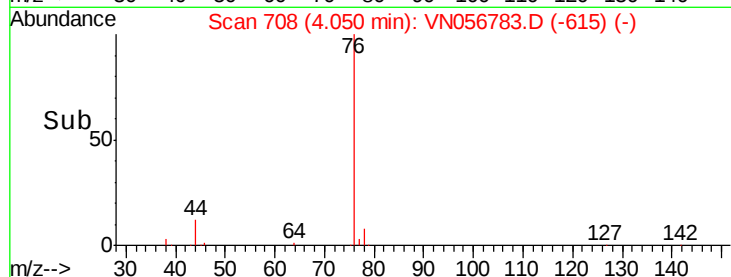
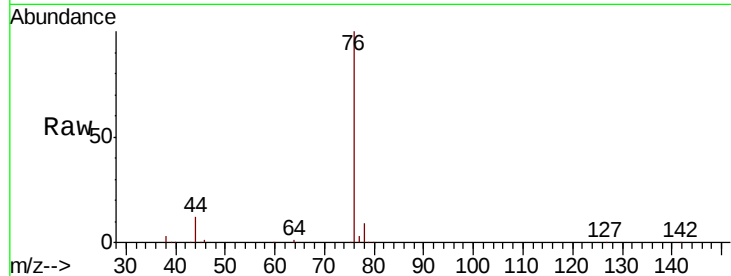




#17
Carbon Disulfide
Concen: 46.121 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

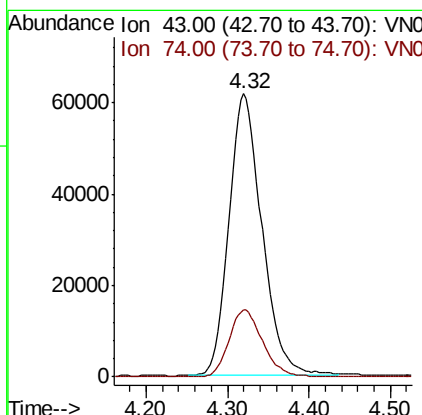
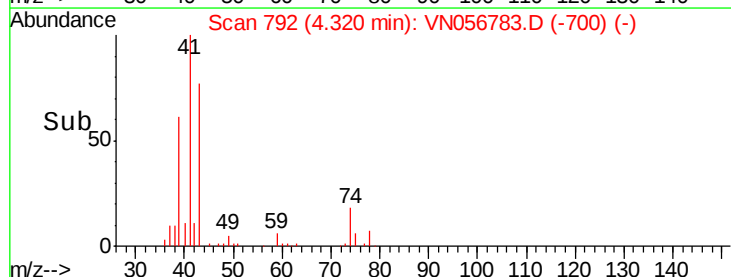
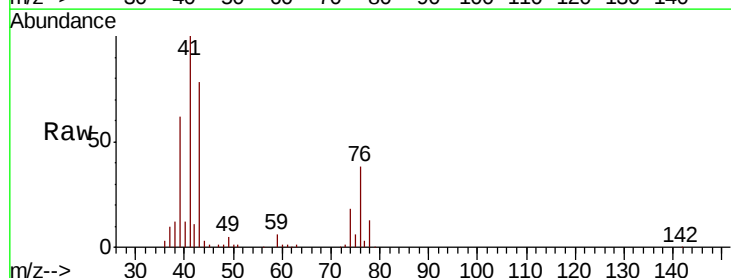
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

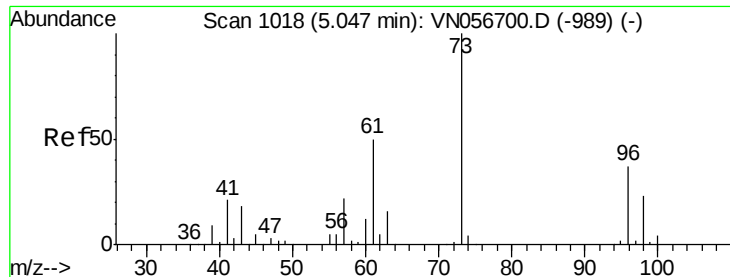
Tot Ion: 76 Resp: 372460
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 46.918 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion: 43 Resp: 174838
Ion Ratio Lower Upper
43 100
74 24.1 18.9 28.3

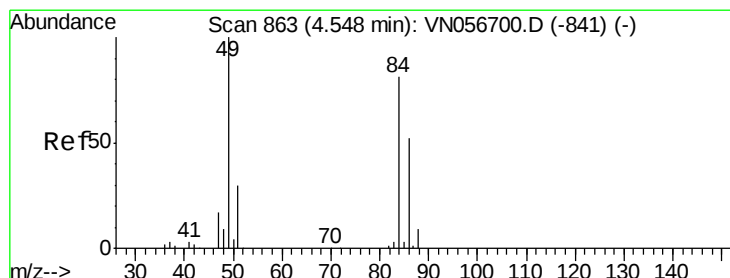
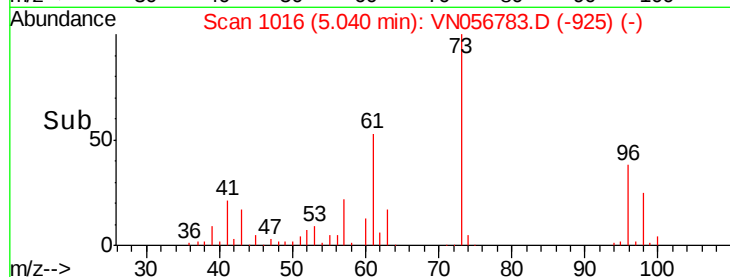
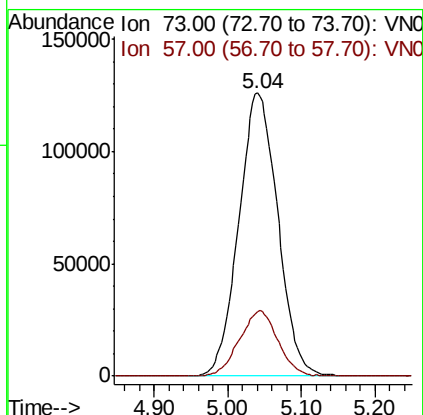
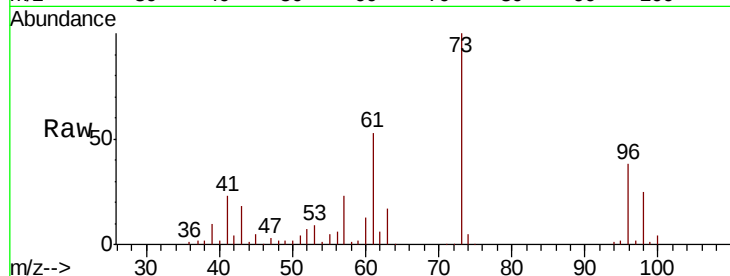




#19
Methvl tert-butvl Ether
Concen: 47.708 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

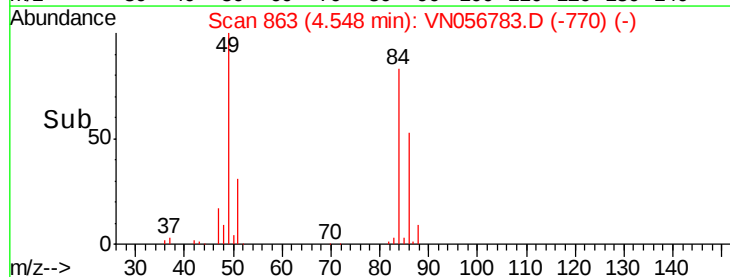
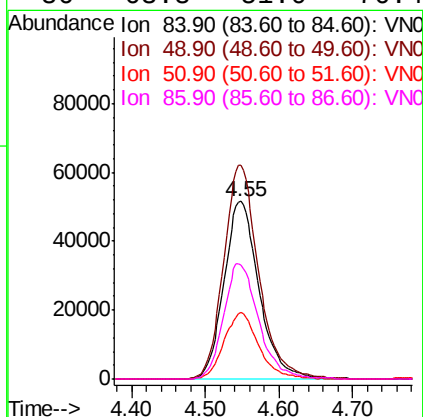
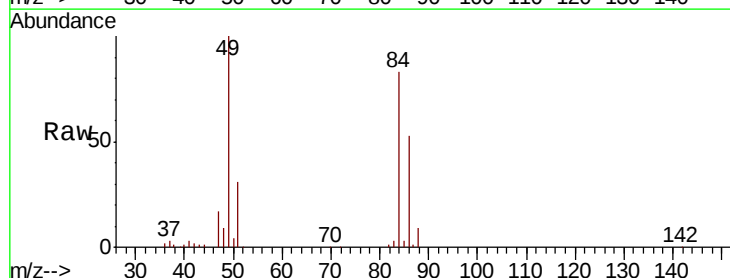
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

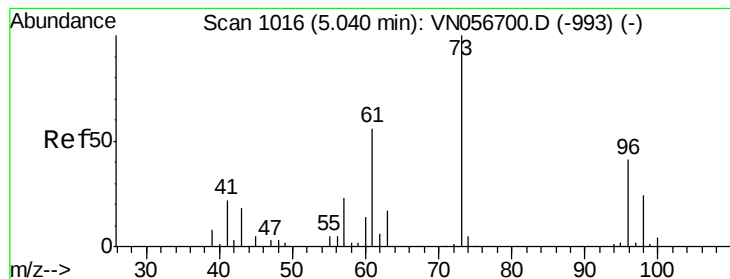
Tot Ion: 73 Resp: 464543
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9



#20
Methylene Chloride
Concen: 47.185 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion: 84 Resp: 170871
Ion Ratio Lower Upper
84 100
49 120.2 98.2 147.4
51 37.5 29.6 44.4
86 63.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 48.484 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

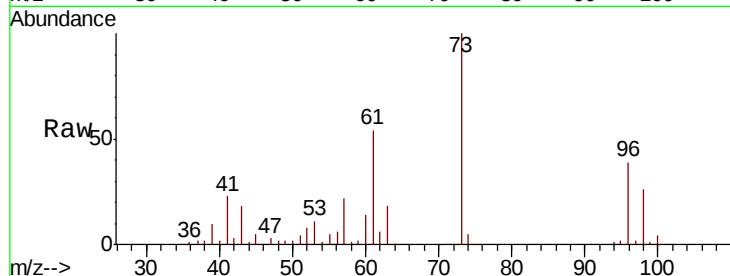
Tot Ion: 96 Resp: 156623

Ion Ratio Lower Upper

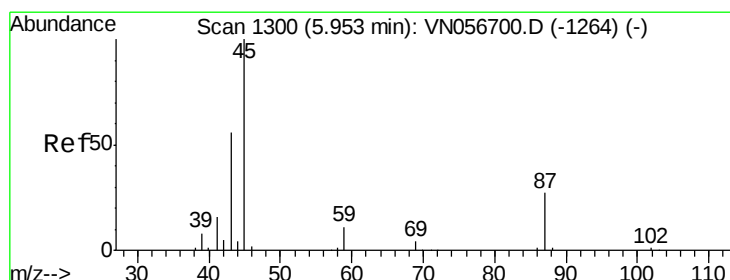
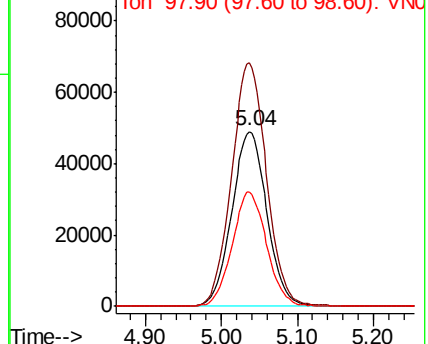
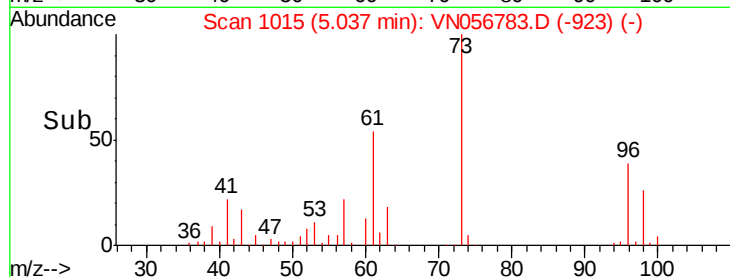
96 100

61 139.5 109.4 164.2

98 65.7 48.0 72.0



Abundance Ion 95.90 (95.60 to 96.60): VN056783.D (-1207) (-)



#22

Diisopropyl ether

Concen: 49.886 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.01 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Tgt Ion: 45 Resp: 520403

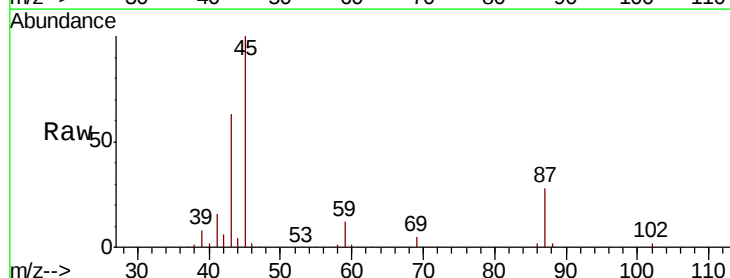
Ion Ratio Lower Upper

45 100

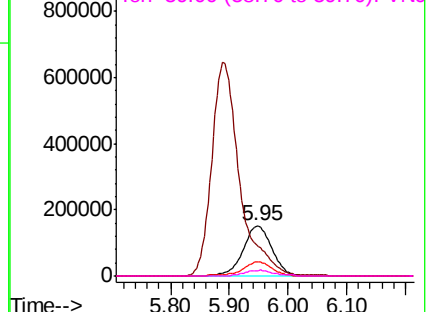
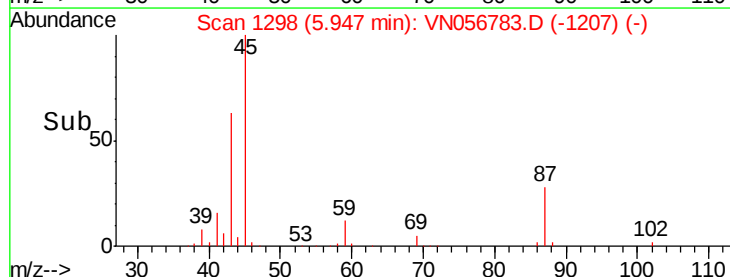
43 61.4 45.6 68.4

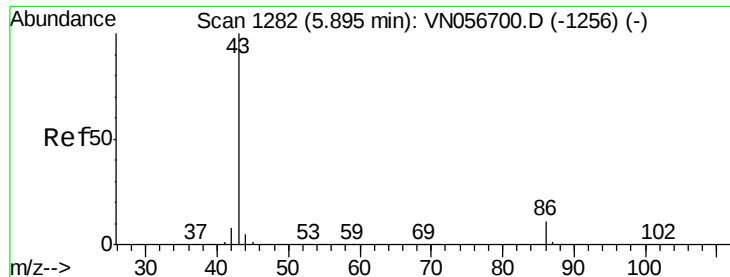
87 28.2 22.0 33.0

59 11.5 9.3 13.9



Abundance Ion 45.00 (44.70 to 45.70): VN056783.D (-1207) (-)





#23

Vinyl Acetate

Concen: 253.108 ug/l

RT: 5.89 min Scan# 1280

Delta R.T. -0.01 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

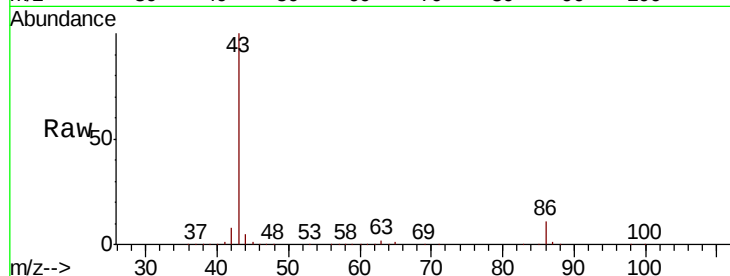
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2139620

Ion Ratio Lower Upper

43 100

86 10.5 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-1256) (-)

Ion 86.00 (85.70 to 86.70): VN056700.D (-1256) (-)

5.89

600000

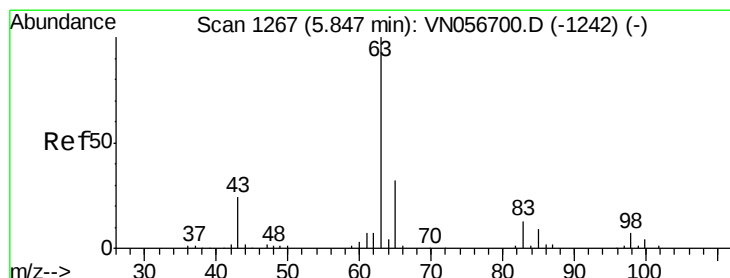
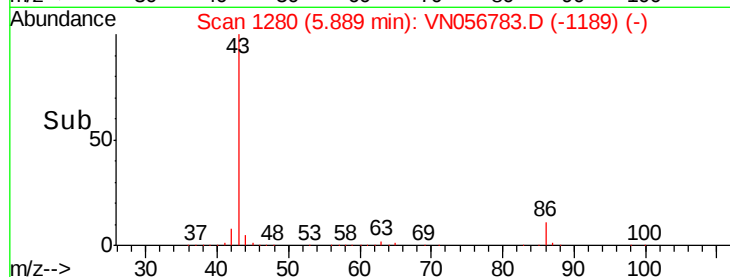
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 48.399 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

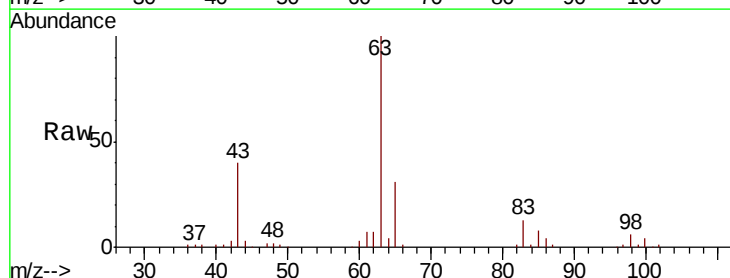
Tgt Ion: 63 Resp: 292721

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.9

100 4.0 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN056700.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN056700.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN056700.D (-1242) (-)

5.85

120000

100000

80000

60000

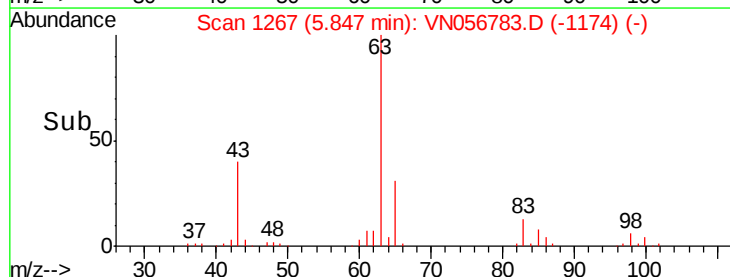
40000

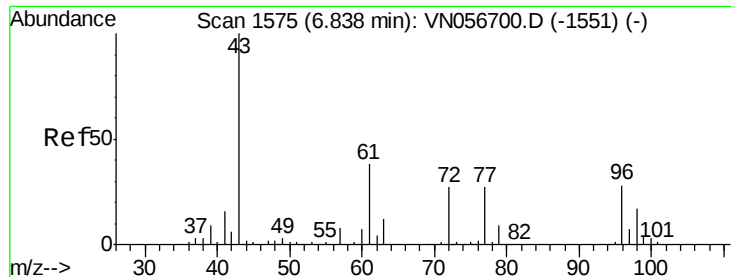
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 253.557 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

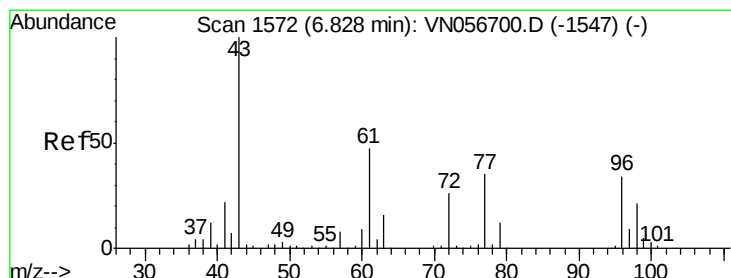
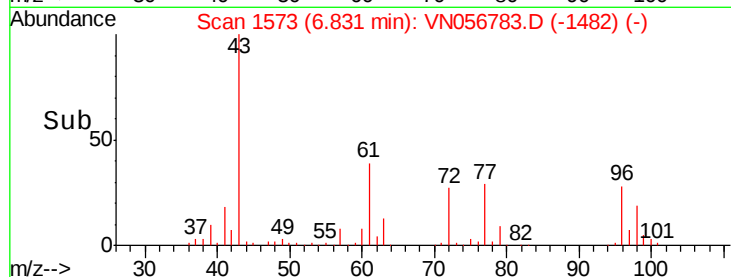
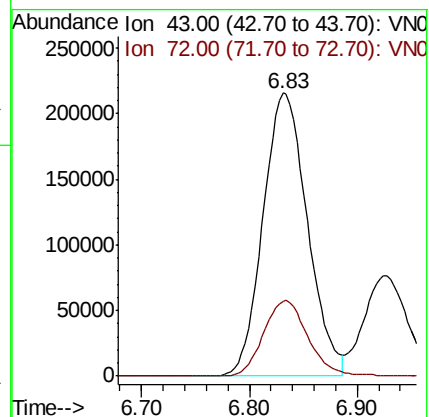
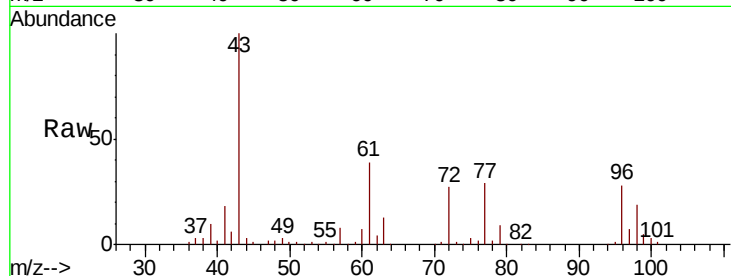
VSTDCCC050

Tot Ion: 43 Resp: 614290

Ion Ratio Lower Upper

43 100

72 26.5 21.2 31.8



#26

2,2-Dichloropropane

Concen: 51.623 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN056783.D

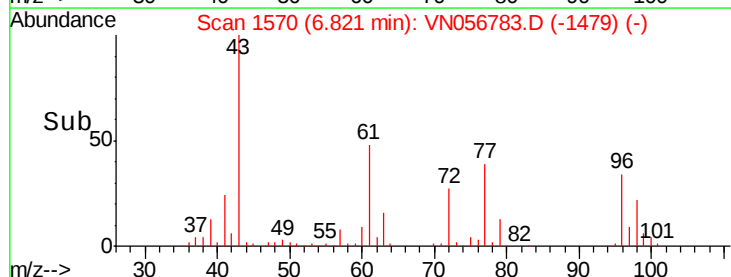
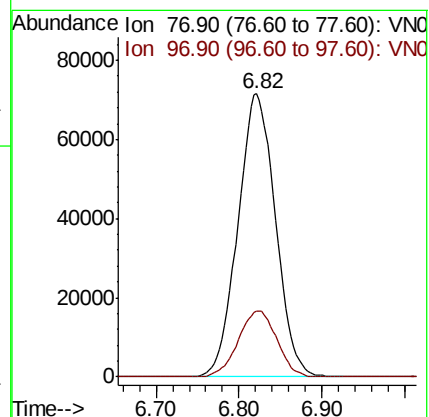
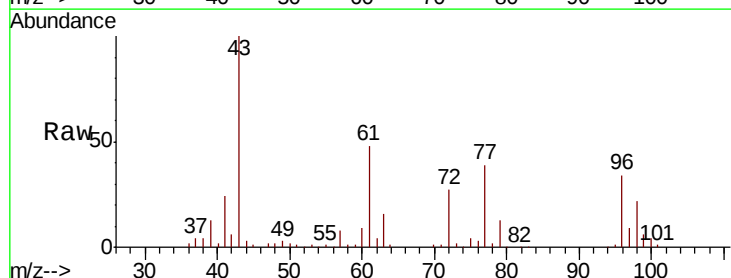
Acq: 17 Jul 2019 8:55

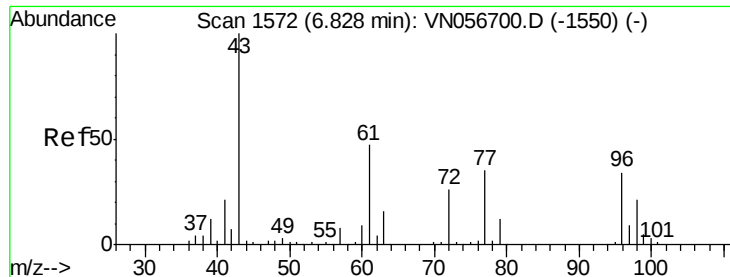
Tgt Ion: 77 Resp: 225127

Ion Ratio Lower Upper

77 100

97 23.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 49.480 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

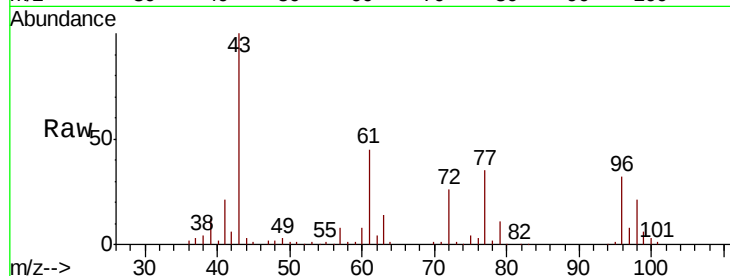
Tot Ion: 96 Resp: 183923

Ion Ratio Lower Upper

96 100

61 141.3 0.0 281.4

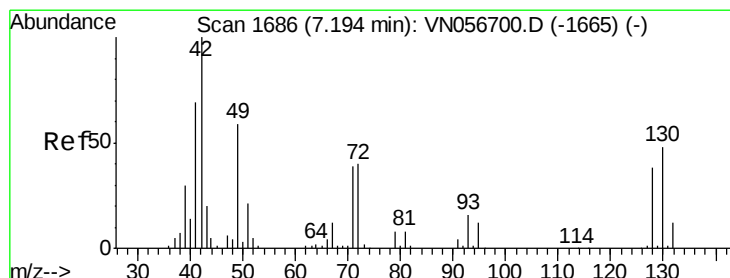
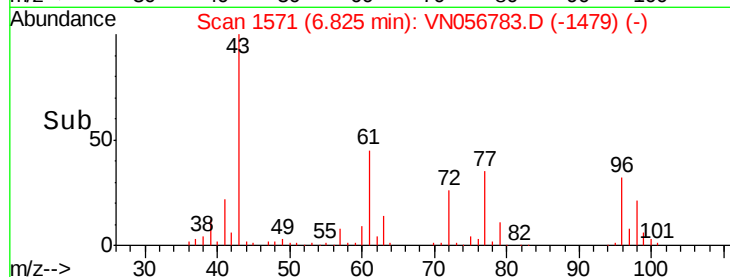
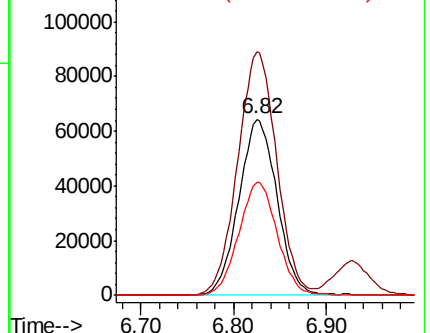
98 64.6 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN056783.D (-1479) (-)

Ion 60.90 (60.60 to 61.60): VN056783.D (-1479) (-)

Ion 97.90 (97.60 to 98.60): VN056783.D (-1479) (-)



#28

Bromochloromethane

Concen: 51.449 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

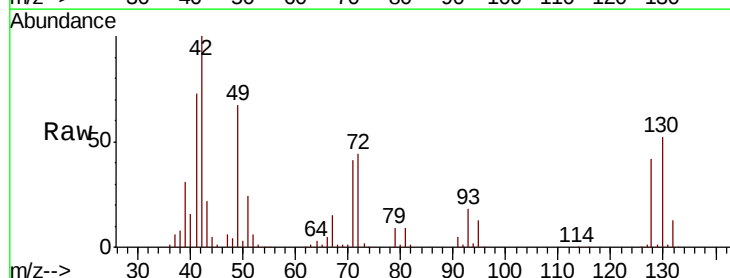
Tgt Ion: 49 Resp: 146305

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

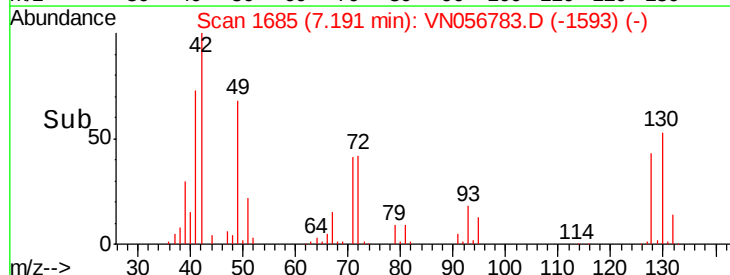
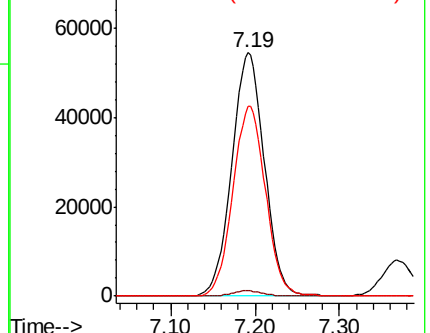
130 78.3 64.7 97.1

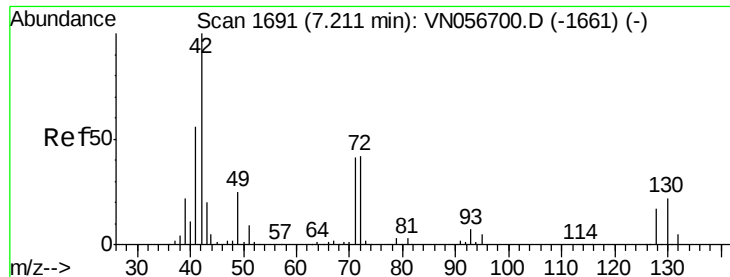


Abundance Ion 48.90 (48.60 to 49.60): VN056783.D (-1593) (-)

Ion 128.80 (128.50 to 129.50): VN056783.D (-1593) (-)

Ion 129.80 (129.50 to 130.50): VN056783.D (-1593) (-)

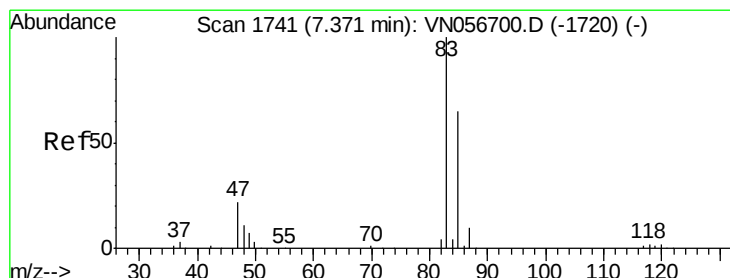
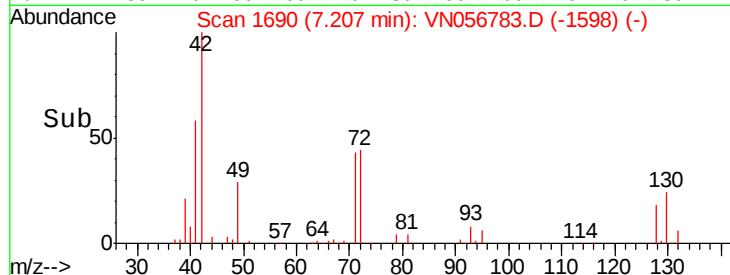
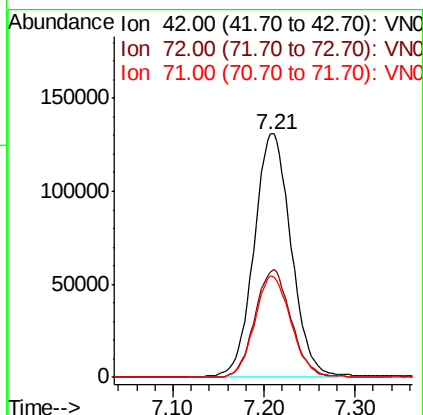
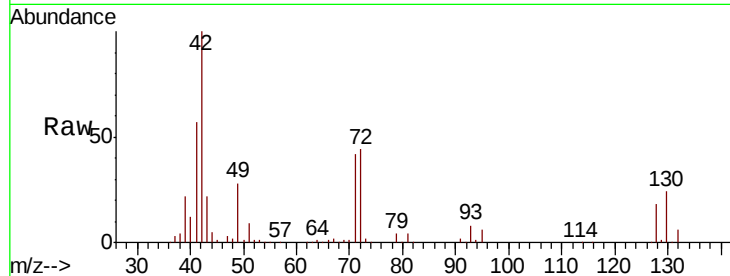




#29
Tetrahydrofuran
Concen: 234.904 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

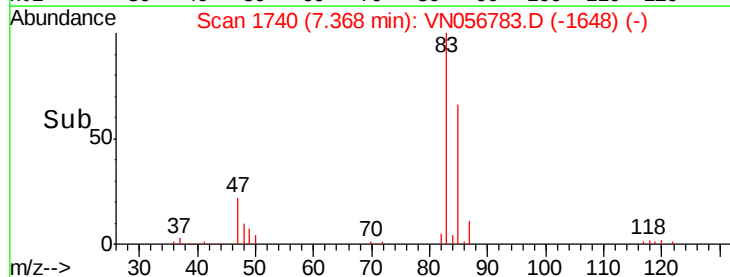
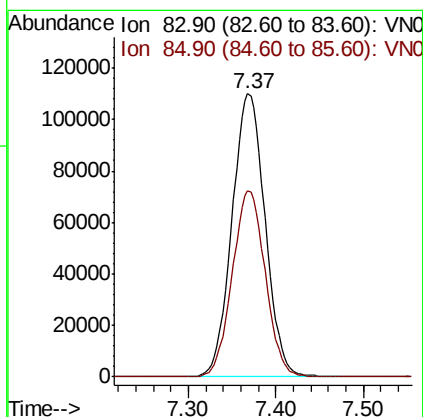
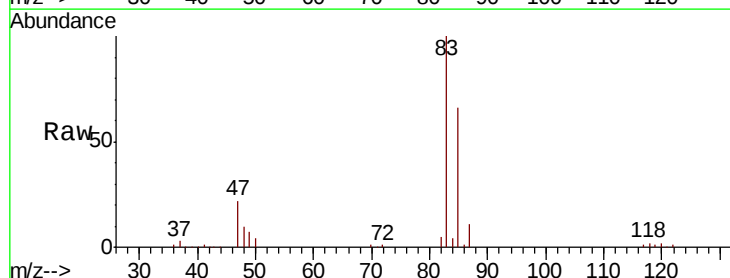
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

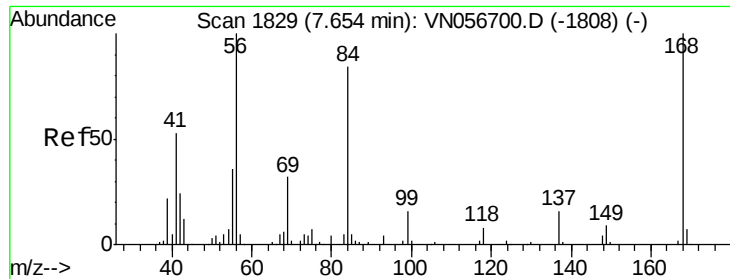
Tot Ion: 42 Resp: 371182
Ion Ratio Lower Upper
42 100
72 43.2 33.5 50.3
71 40.9 31.8 47.8



#30
Chloroform
Concen: 47.741 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion: 83 Resp: 288946
Ion Ratio Lower Upper
83 100
85 65.8 51.9 77.9

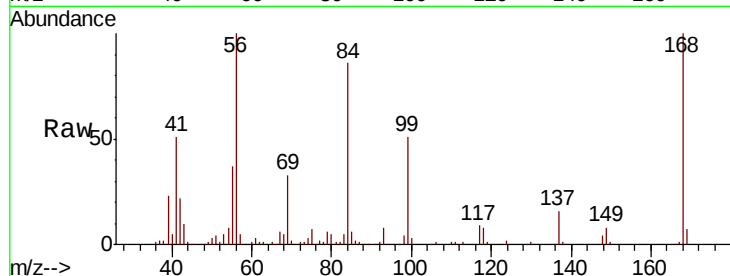




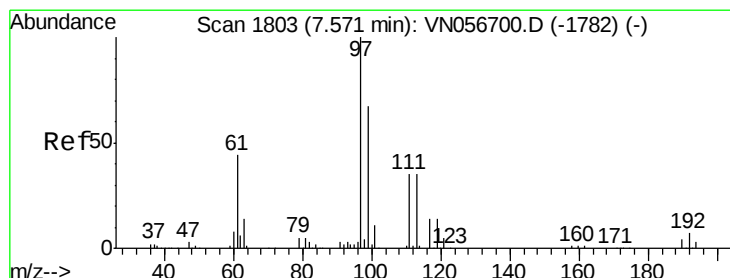
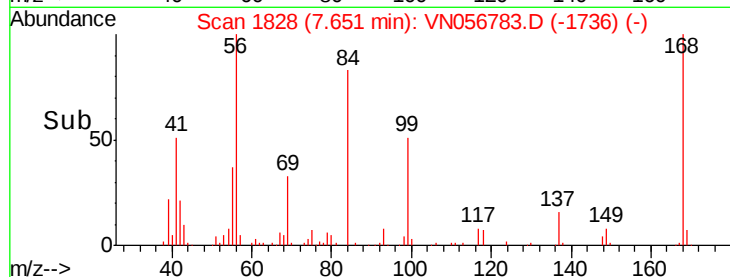
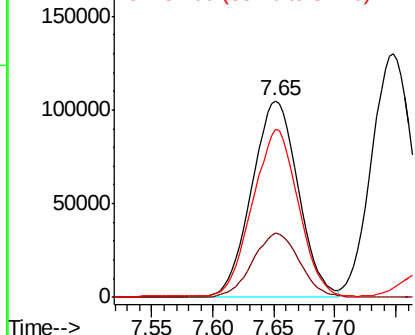
#31
Cyclohexane
Concen: 48.394 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 278194
Ion Ratio Lower Upper
56 100
69 32.5 25.8 38.8
84 84.6 67.4 101.0

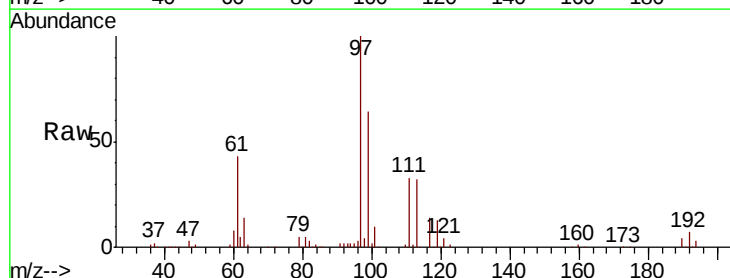


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

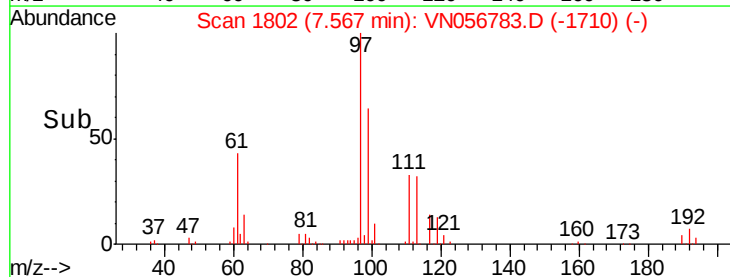
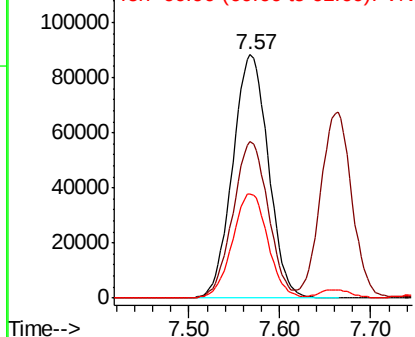


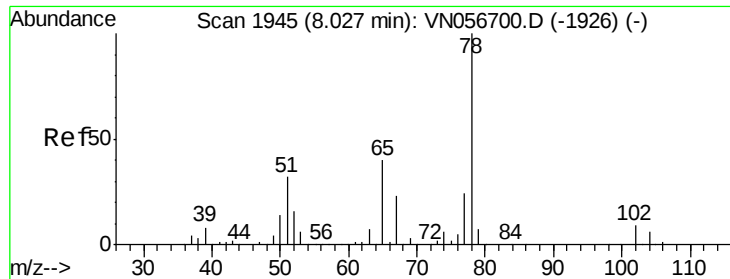
#32
1,1,1-Trichloroethane
Concen: 50.282 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion: 97 Resp: 240674
Ion Ratio Lower Upper
97 100
99 63.7 52.0 78.0
61 42.6 34.3 51.5



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

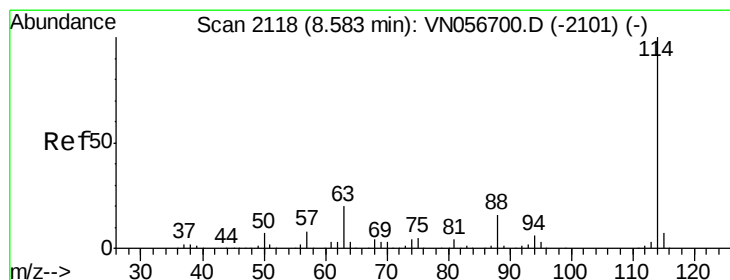
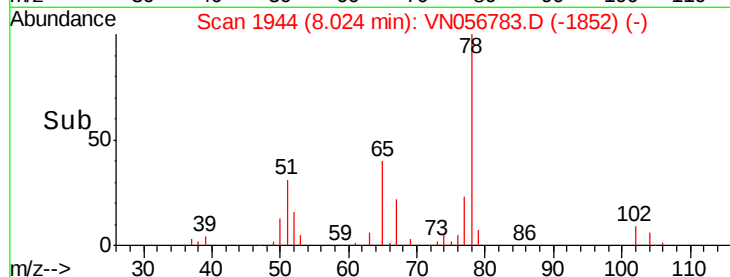
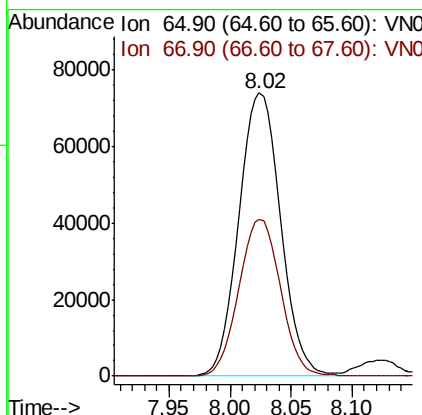
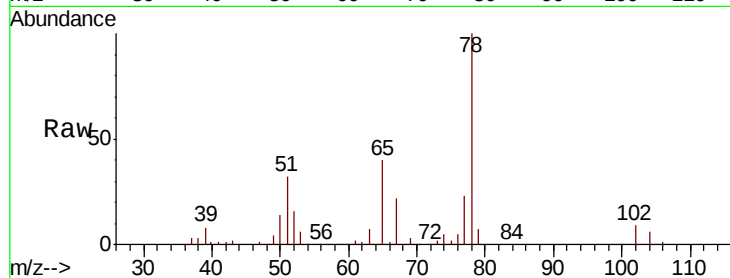




#33
 1,2-Dichloroethane-d4
 Concen: 48.864 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

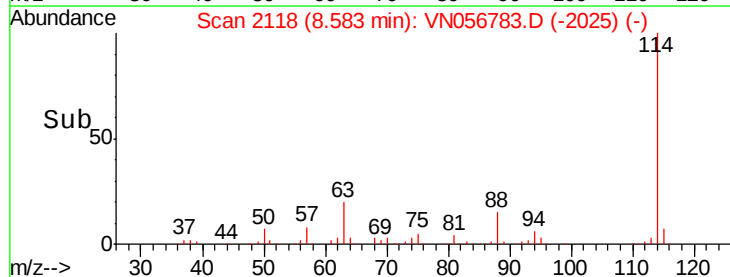
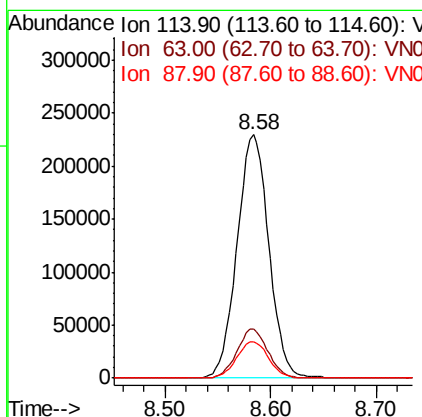
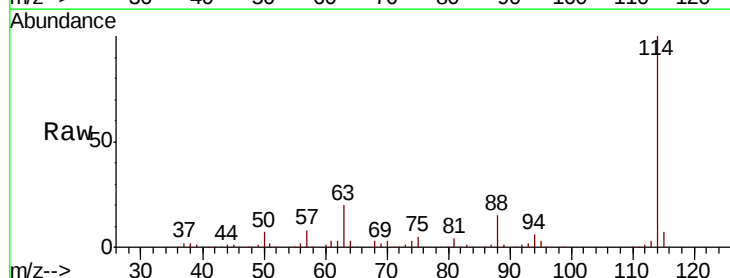
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

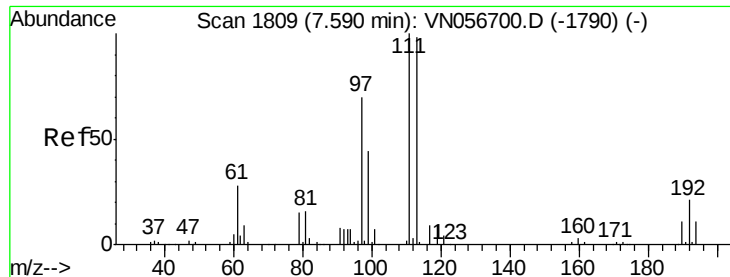
Tot Ion: 65 Resp: 175712
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Tgt Ion: 114 Resp: 480526
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.4
 88 15.1 0.0 31.2

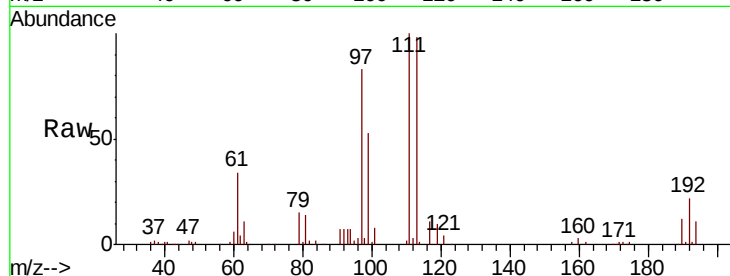




#35
 Dibromofluoromethane
 Concen: 51.290 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.6
192	22.3	17.5	26.3

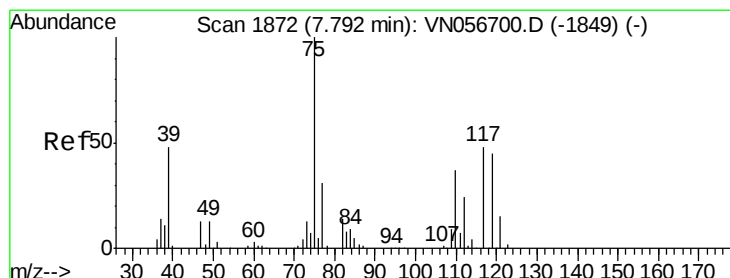
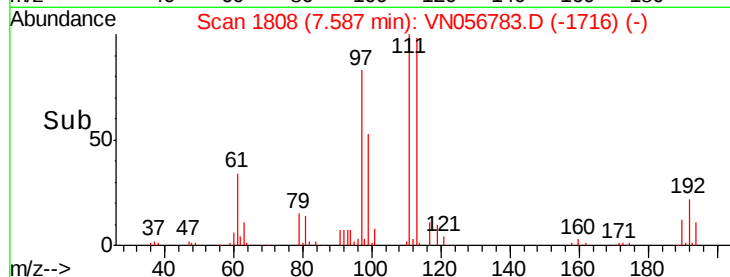
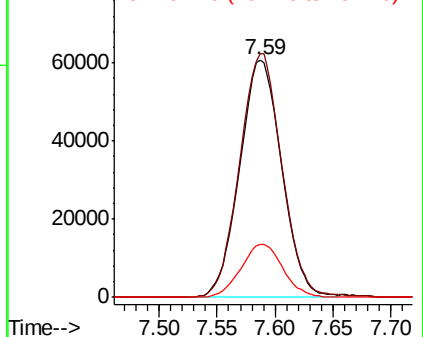


Abundance

Ion 112.80 (112.50 to 113.50): V

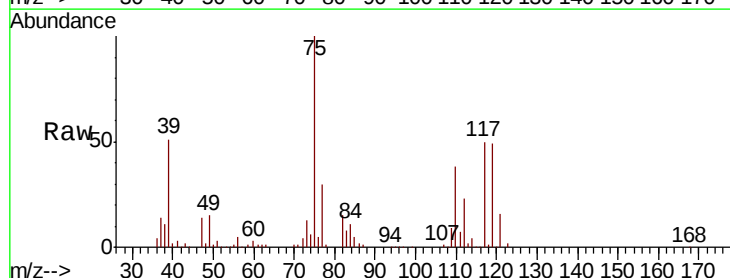
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.952 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.4	55.4
77	30.8	24.6	36.8

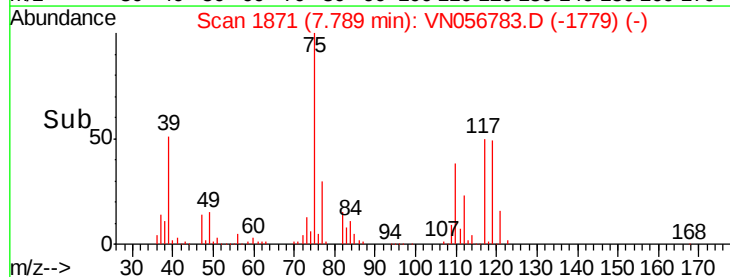
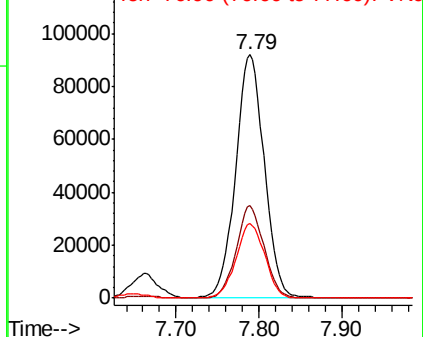


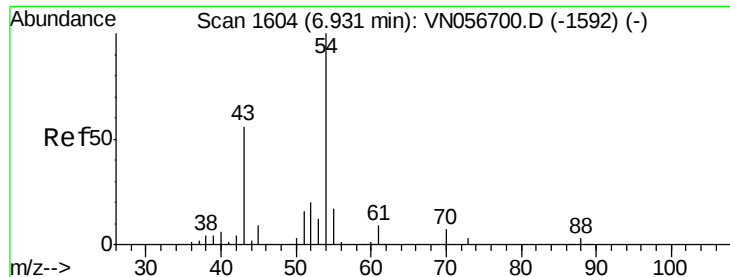
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

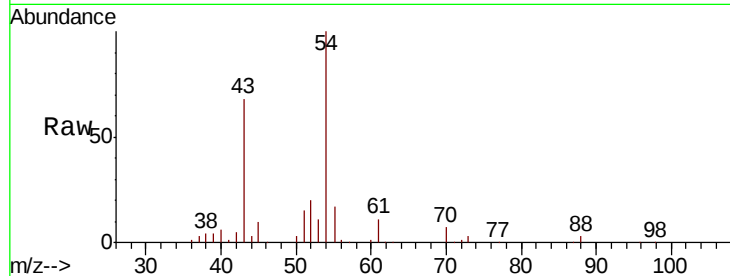




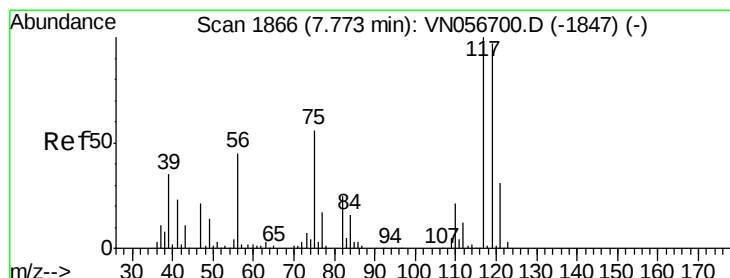
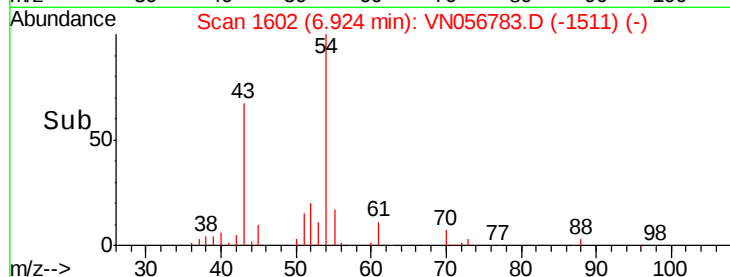
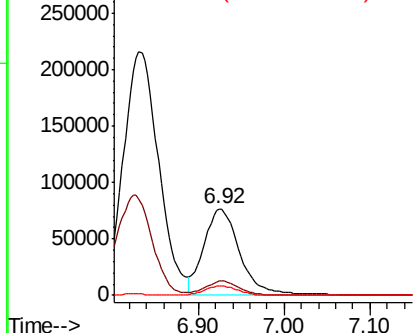
#37
Ethyl Acetate
Concen: 50.181 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 219920
Ion Ratio Lower Upper
43 100
61 15.1 11.3 16.9
70 10.4 8.5 12.7

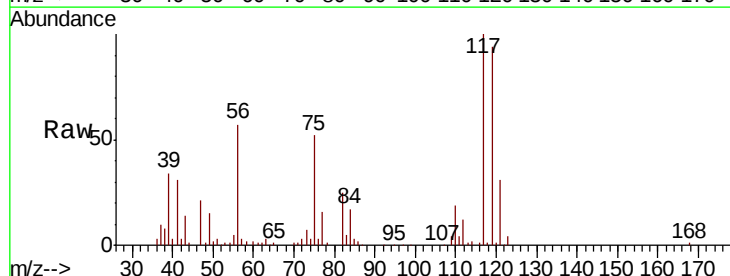


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

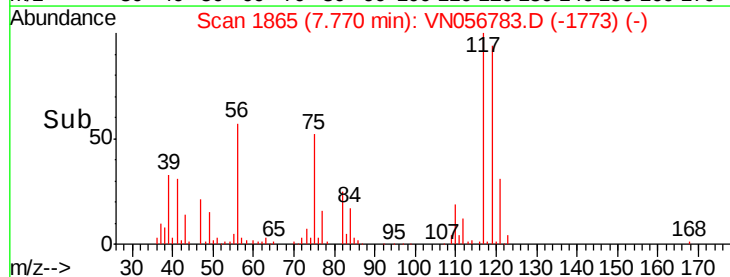
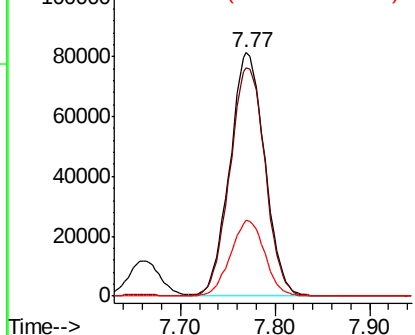


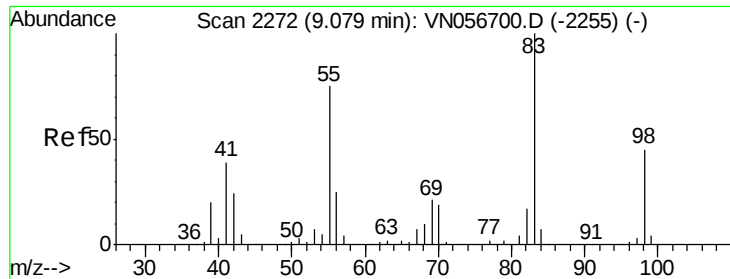
#38
Carbon Tetrachloride
Concen: 50.176 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion: 117 Resp: 209236
Ion Ratio Lower Upper
117 100
119 93.6 77.5 116.3
121 31.0 24.7 37.1



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

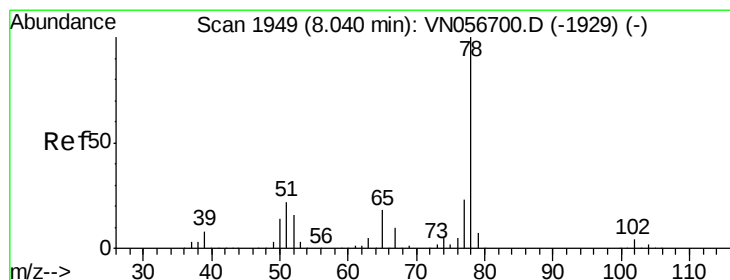
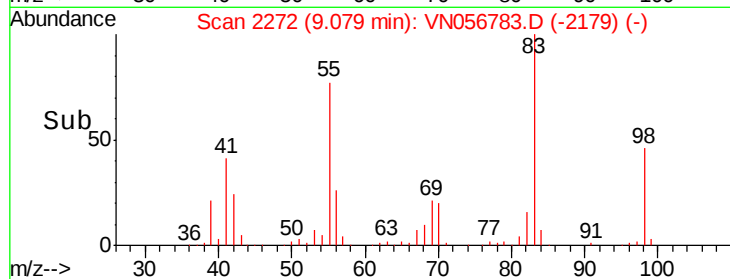
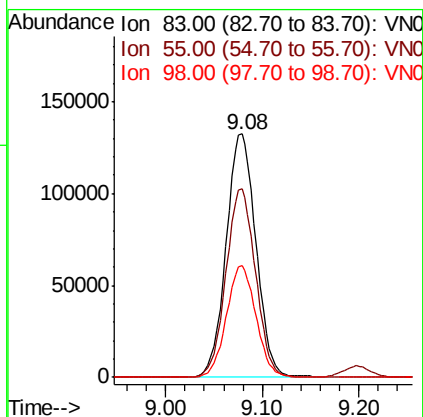
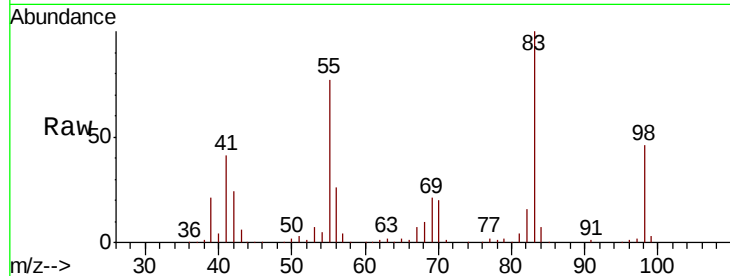




#39
Methvlcvclohexane
Concen: 51.672 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

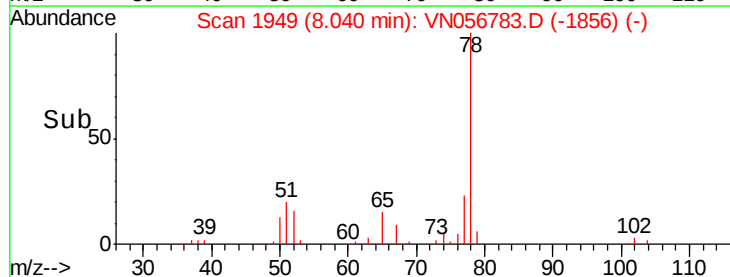
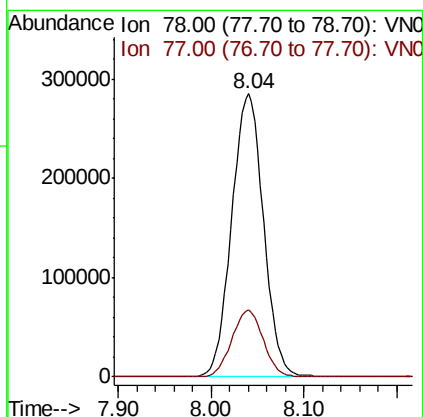
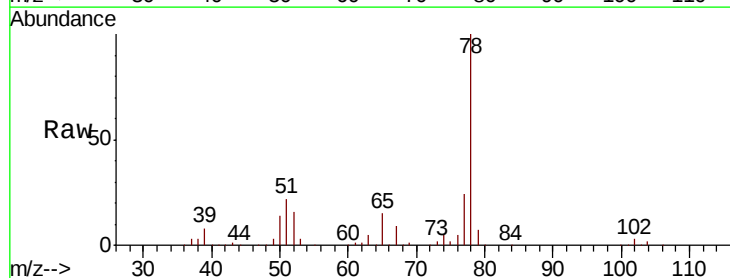
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

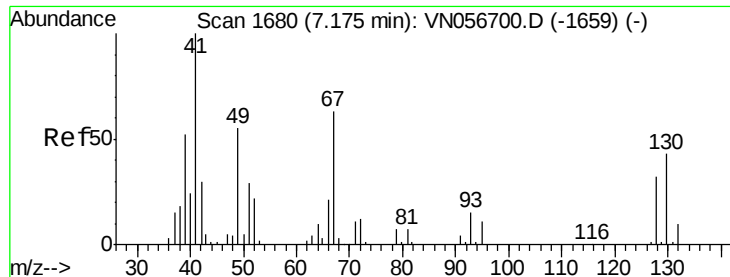
Tot Ion	83	Resp	283705
Ion Ratio	Lower	Upper	
83	100		
55	77.3	60.4	90.6
98	46.0	35.8	53.8



#40
Benzene
Concen: 49.827 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion	78	Resp	678875
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.6	27.8

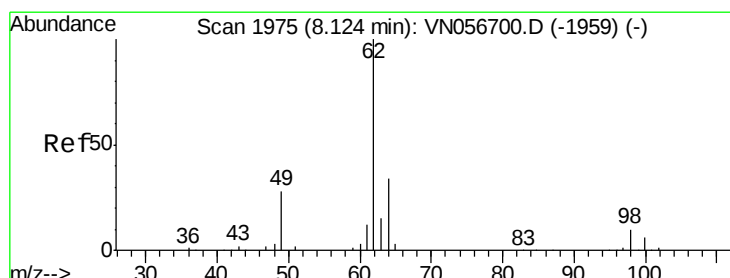
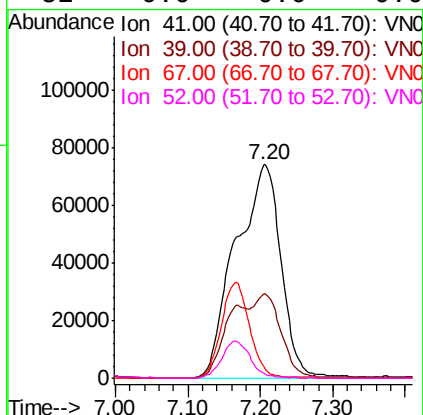
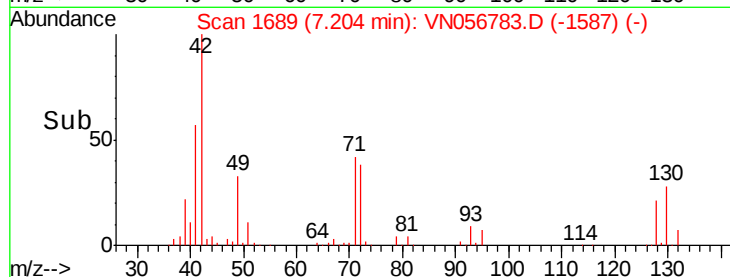
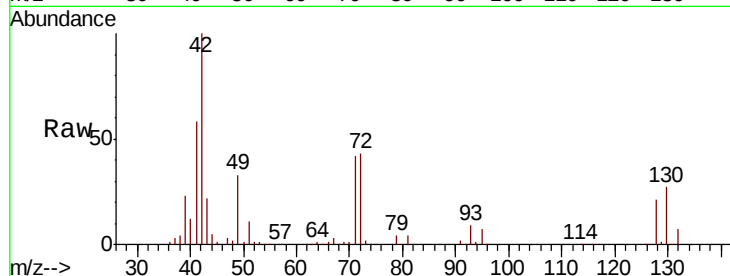




#41
Methacrylonitrile
Concen: 167.462 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.03 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

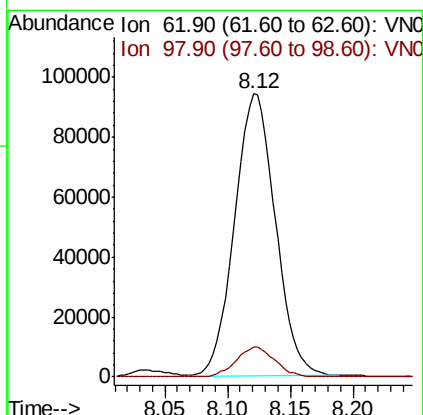
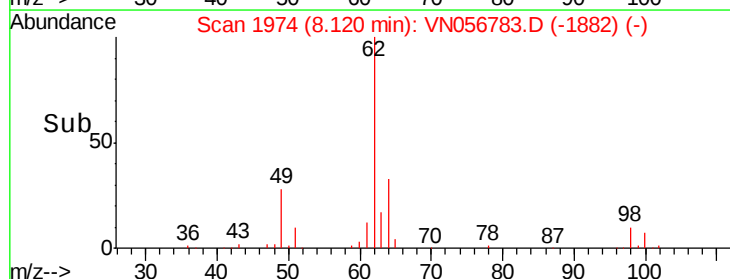
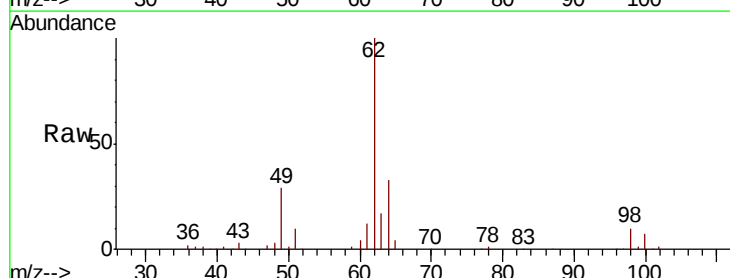
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

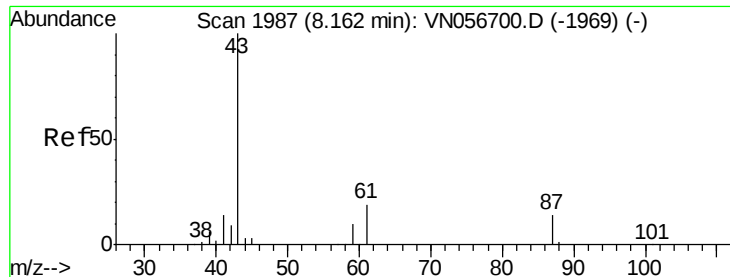
Tot Ion:	41	Resp:	322377
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 49.413 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion:	62	Resp:	212771
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.8





#43

Isopropyl Acetate

Concen: 51.147 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

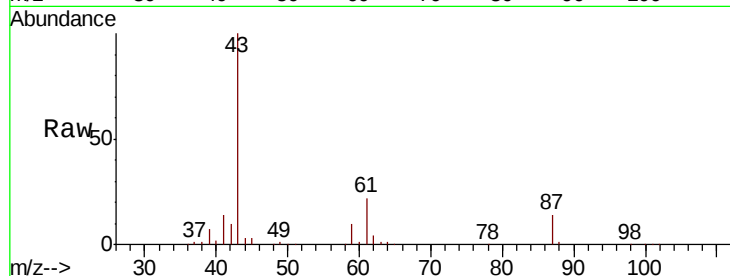
Tot Ion: 43 Resp: 352393

Ion Ratio Lower Upper

43 100

61 27.8 22.3 33.5

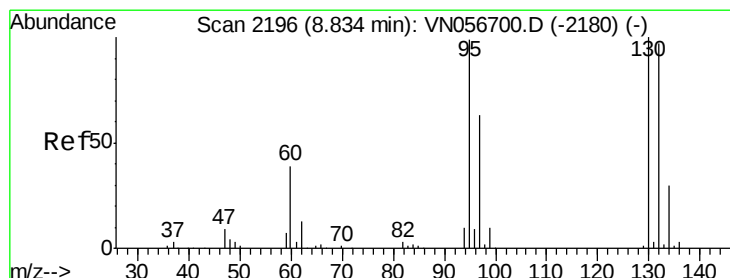
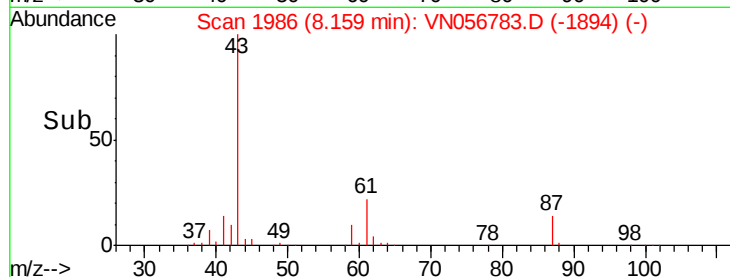
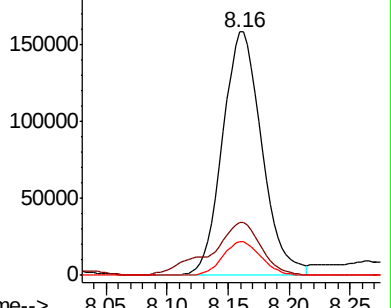
87 13.7 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN056700.D (-1969) (-)

Ion 87.00 (86.70 to 87.70): VN056700.D (-1969) (-)



#44

Trichloroethene

Concen: 50.347 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056783.D

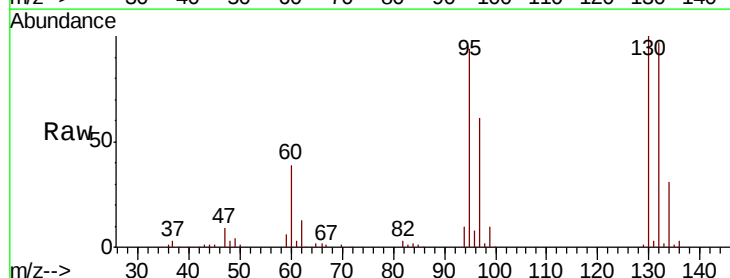
Acq: 17 Jul 2019 8:55

Tgt Ion:130 Resp: 186276

Ion Ratio Lower Upper

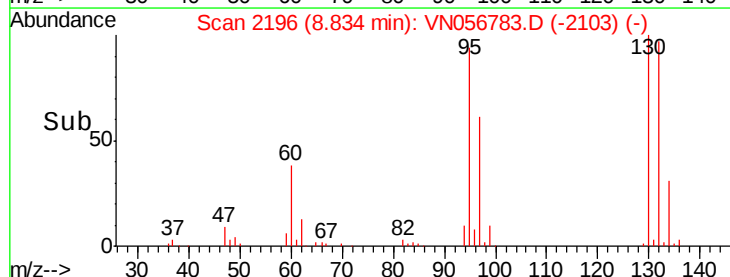
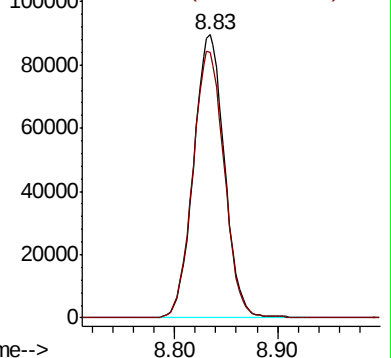
130 100

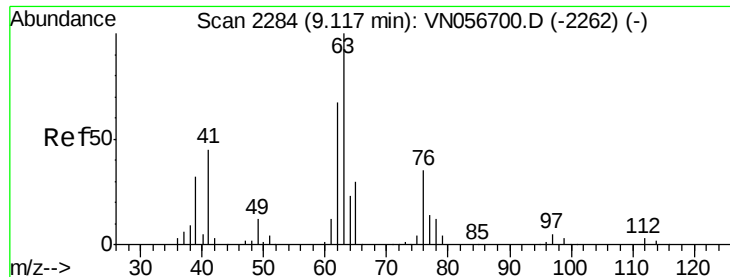
95 93.7 0.0 197.2



Abundance Ion 129.80 (129.50 to 130.50): VN056700.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN056700.D (-2180) (-)

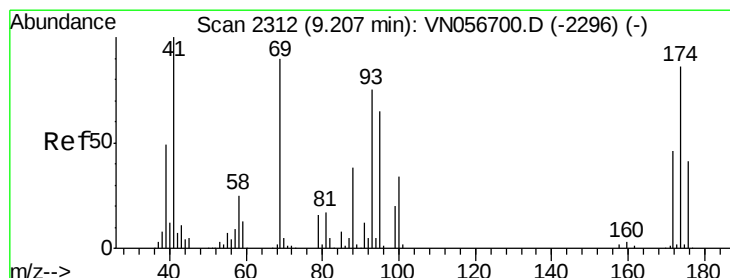
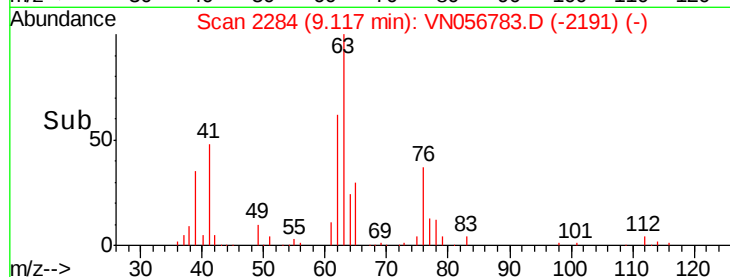
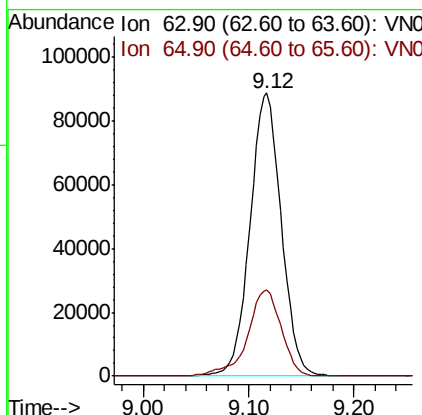
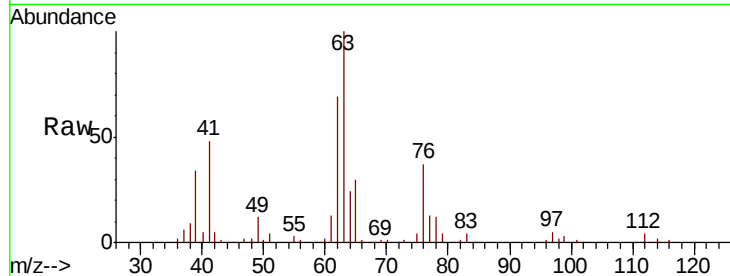




#45
 1,2-Dichloropropane
 Concen: 50.697 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

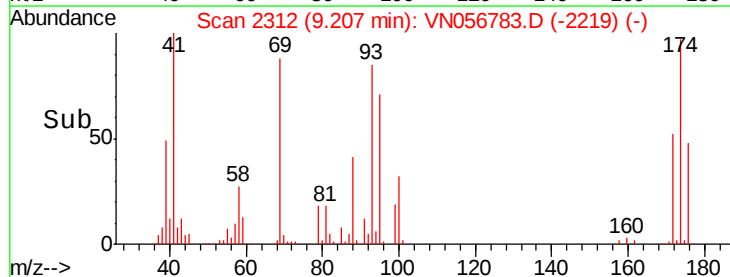
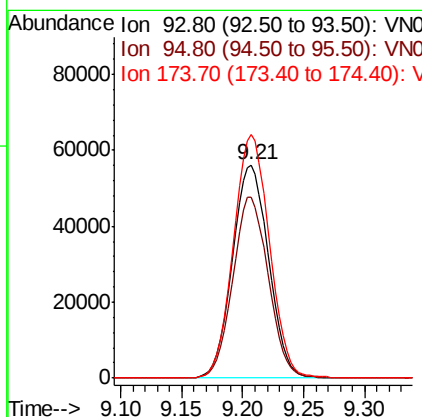
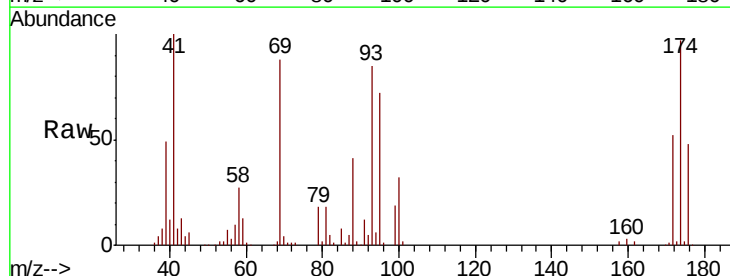
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

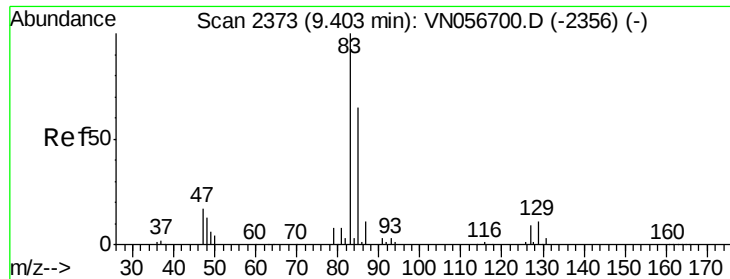
Tot Ion: 63 Resp: 183537
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.0 36.0



#46
 Dibromomethane
 Concen: 51.524 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Tgt Ion: 93 Resp: 115593
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.4 101.0
 174 113.5 90.3 135.5

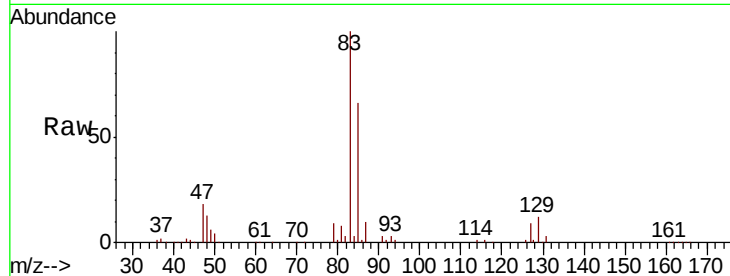




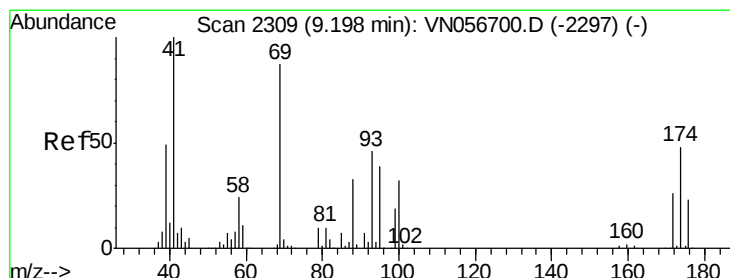
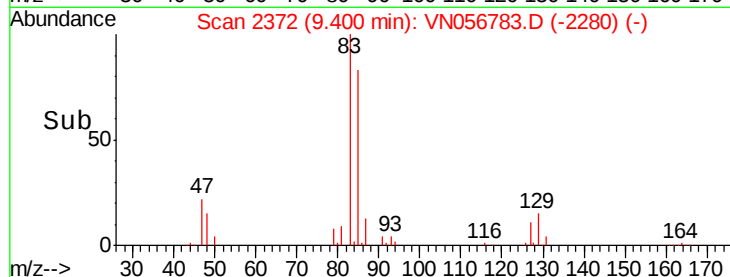
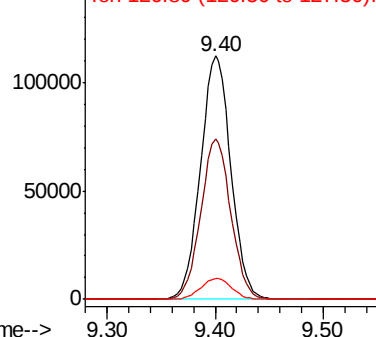
#47
Bromodichloromethane
Concen: 51.626 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	22094
Ion Ratio	Lower	Upper	
83	100		
85	65.7	52.3	78.5
127	8.6	7.6	11.4

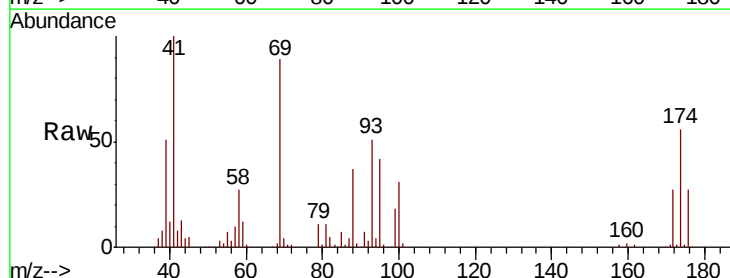


Abundance Ion 82.90 (82.60 to 83.60): VN056700.D (-2356) (-)

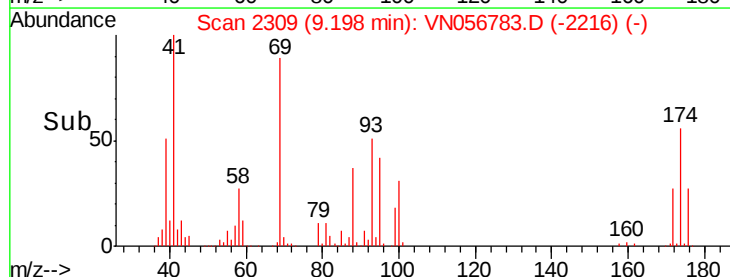
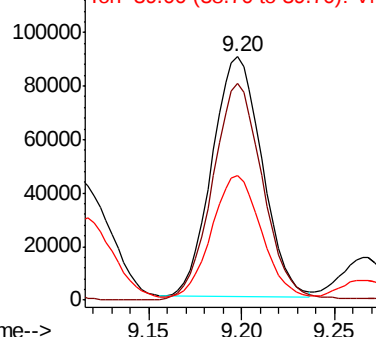


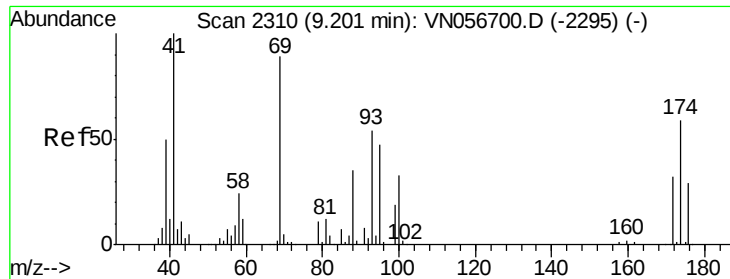
#48
Methyl methacrylate
Concen: 50.638 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion	41	Resp	168725
Ion Ratio	Lower	Upper	
41	100		
69	91.2	71.4	107.0
39	50.0	41.2	61.8



Abundance Ion 41.00 (40.70 to 41.70): VN056700.D (-2297) (-)



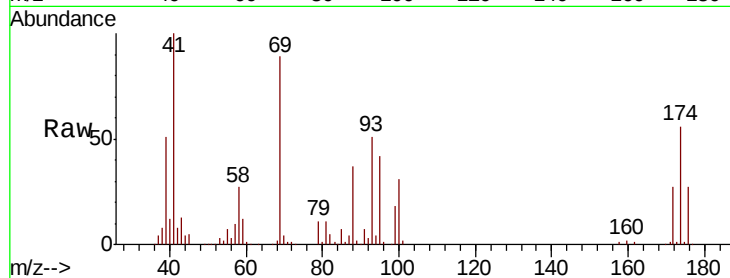


#49
 1,4-Dioxane
 Concen: 1067.700 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

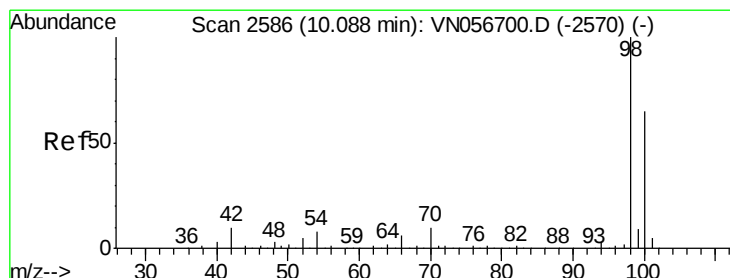
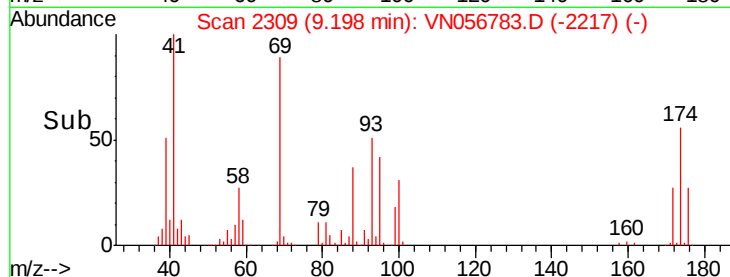
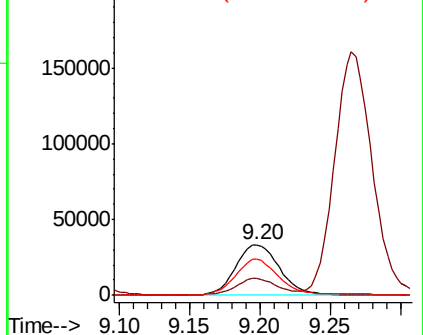
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 88 Resp: 72997

Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.7	35.5
58	70.0	55.6	83.4



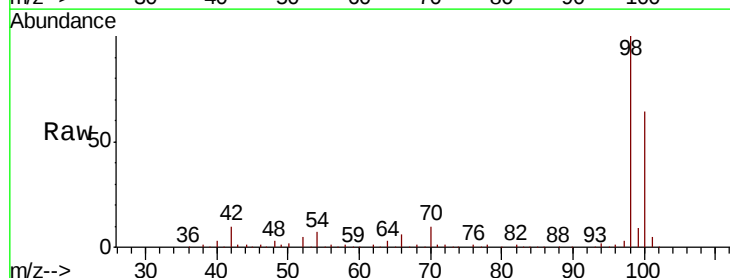
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0



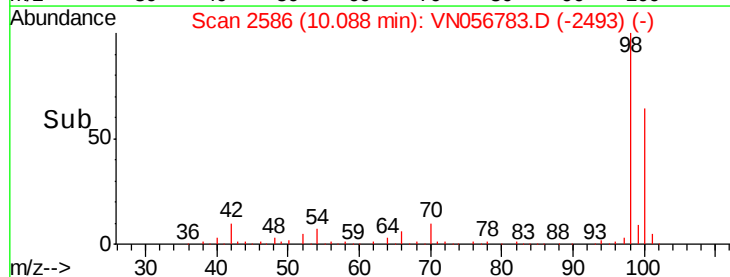
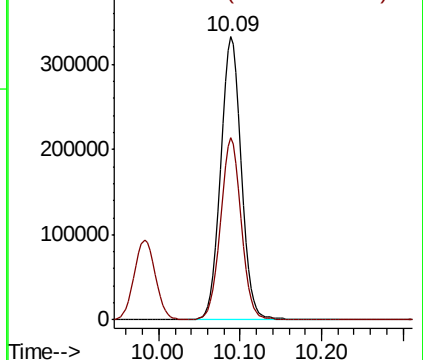
#50
 Toluene-d8
 Concen: 51.846 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

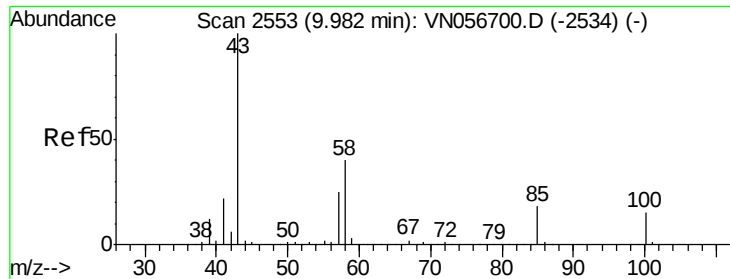
Tgt Ion: 98 Resp: 598806

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0



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: 249.701 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

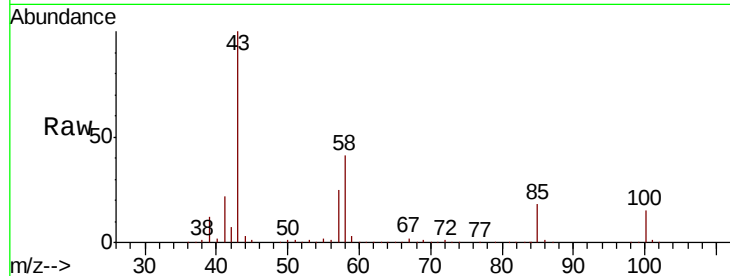
VSTDCCC050

Tot Ion: 43 Resp: 1114259

Ion Ratio Lower Upper

43 100

58 40.0 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

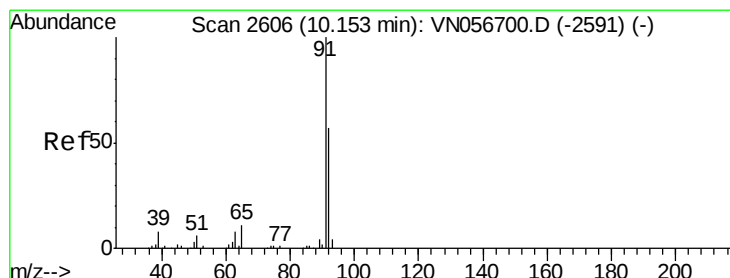
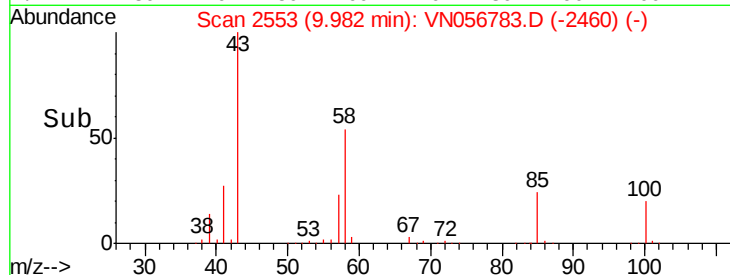
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.962 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN056783.D

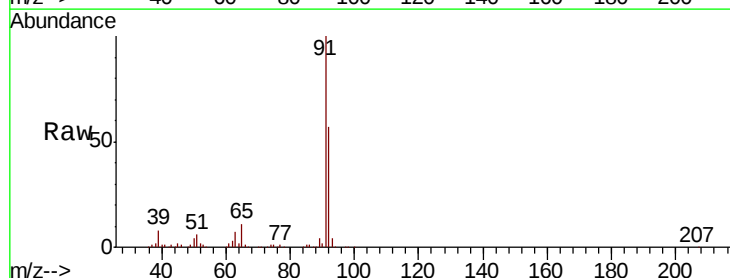
Acq: 17 Jul 2019 8:55

Tgt Ion: 92 Resp: 420443

Ion Ratio Lower Upper

92 100

91 174.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

400000

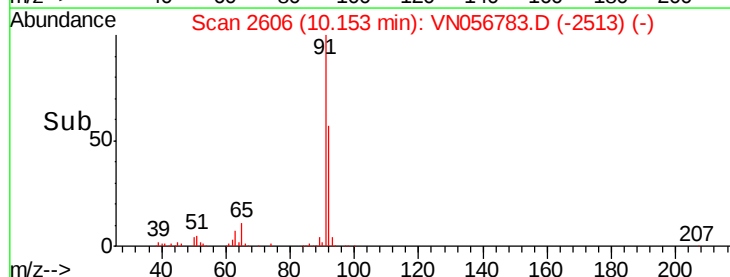
300000

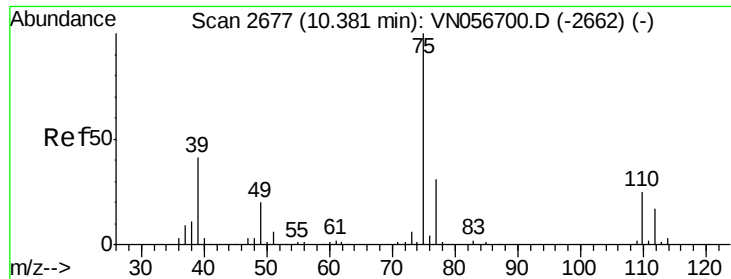
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.845 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

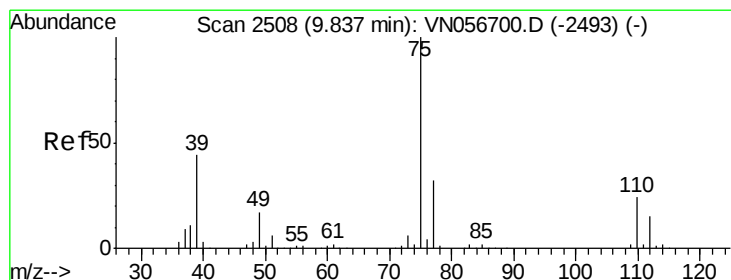
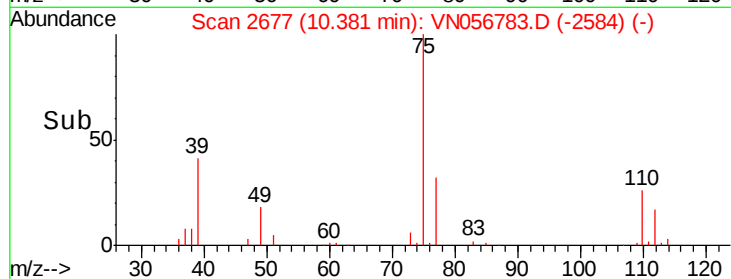
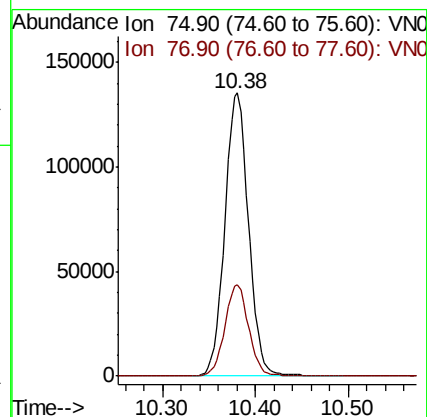
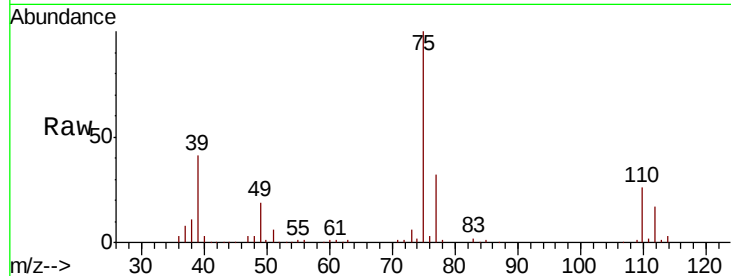
VSTDCCC050

Tot Ion: 75 Resp: 239495

Ion Ratio Lower Upper

75 100

77 32.4 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 52.741 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

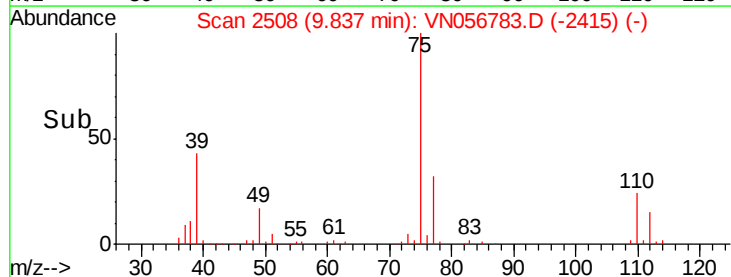
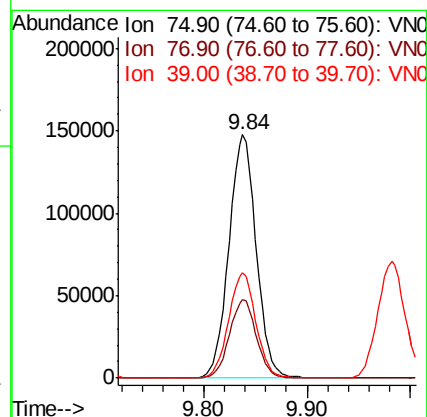
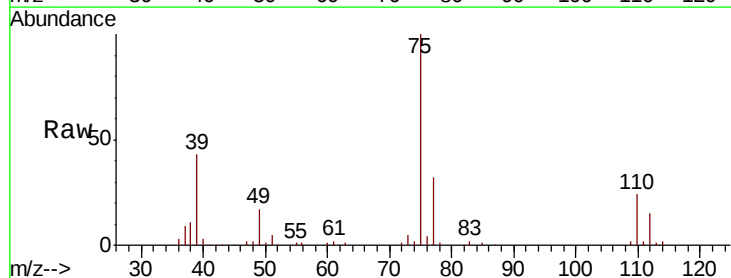
Tgt Ion: 75 Resp: 272220

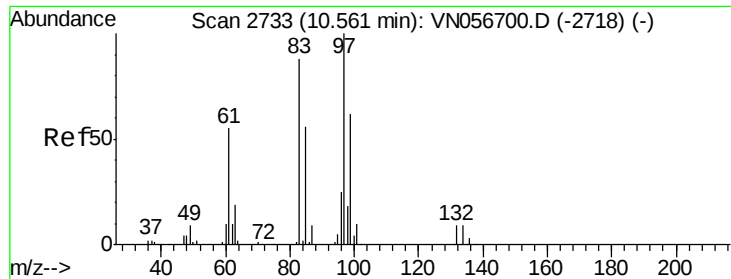
Ion Ratio Lower Upper

75 100

77 32.5 26.0 39.0

39 43.4 35.1 52.7





#55

1,1,2-Trichloroethane

Concen: 49.436 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 167773

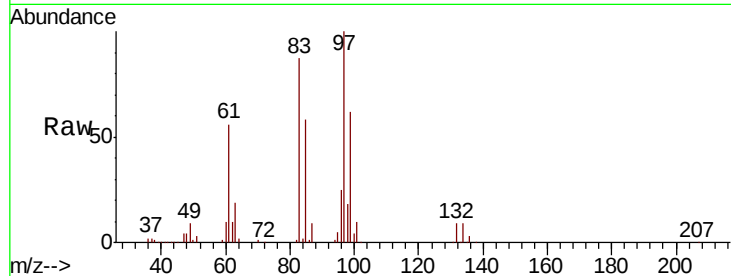
Ion Ratio Lower Upper

97 100

83 87.3 70.3 105.5

85 57.8 44.8 67.2

99 61.8 49.6 74.4

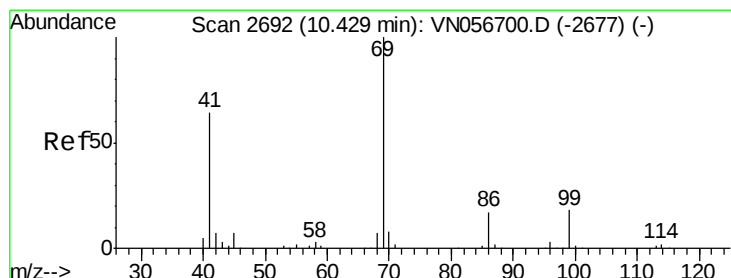
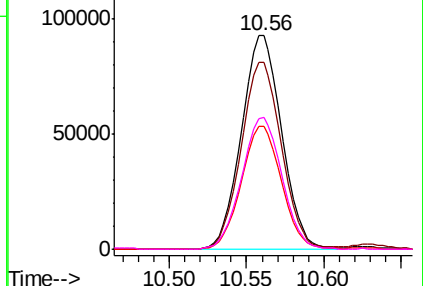
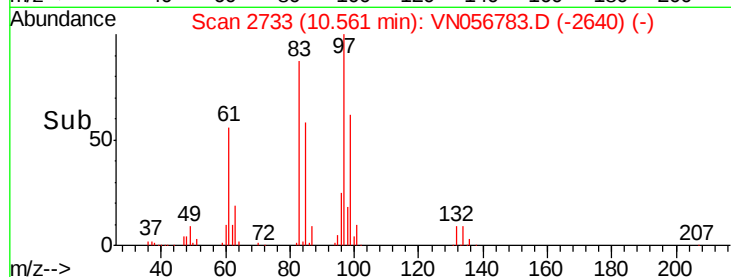


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.233 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

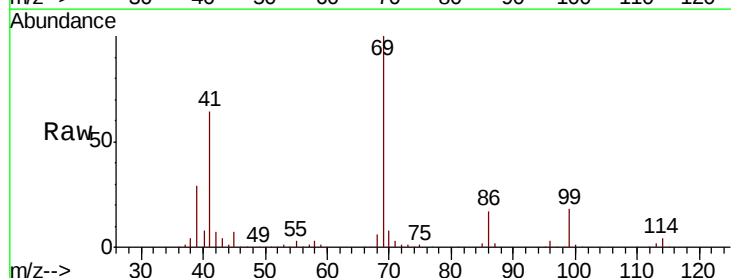
Tgt Ion: 69 Resp: 259944

Ion Ratio Lower Upper

69 100

41 63.2 51.0 76.4

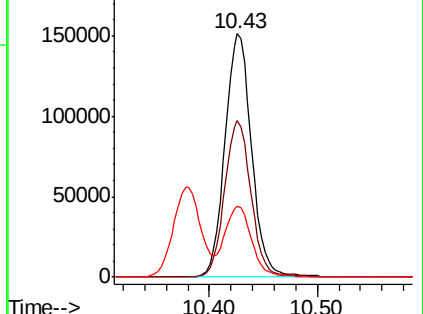
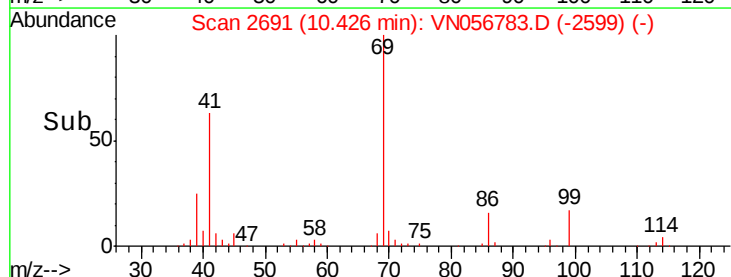
39 29.9 24.6 36.8

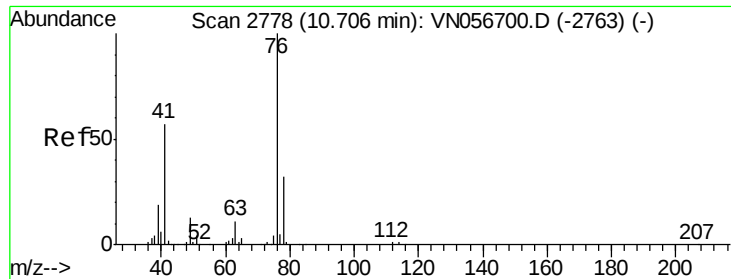


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

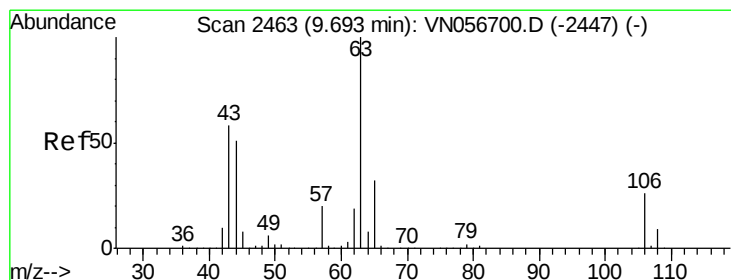
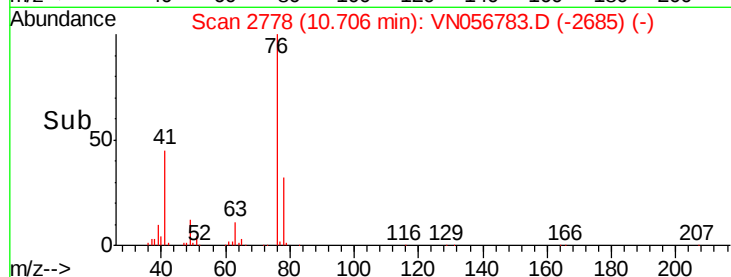
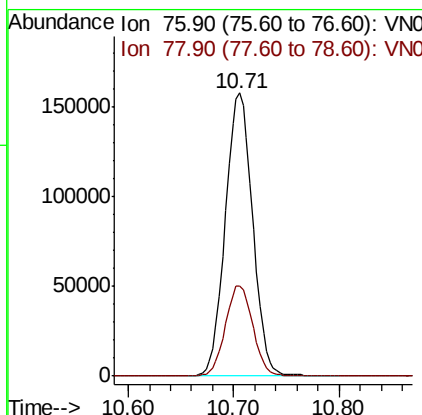
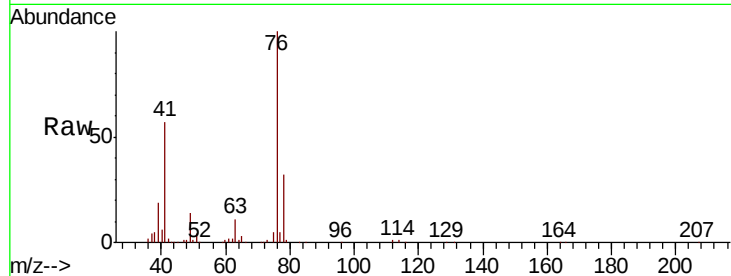




#57
 1,3-Dichloropropane
 Concen: 51.014 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

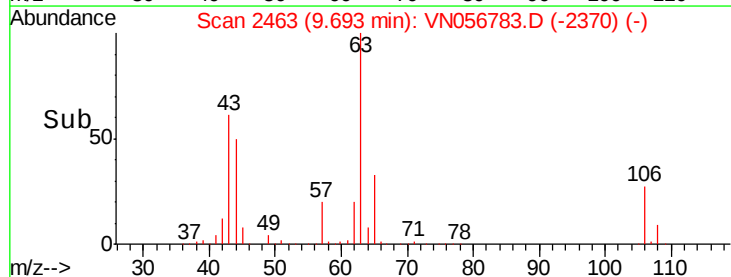
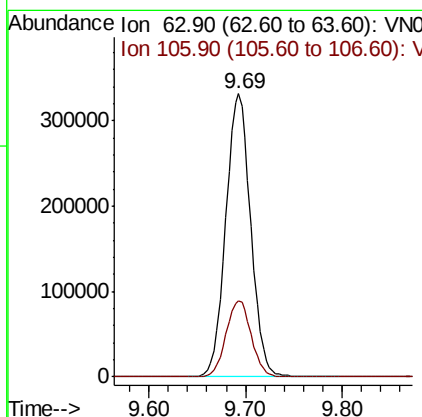
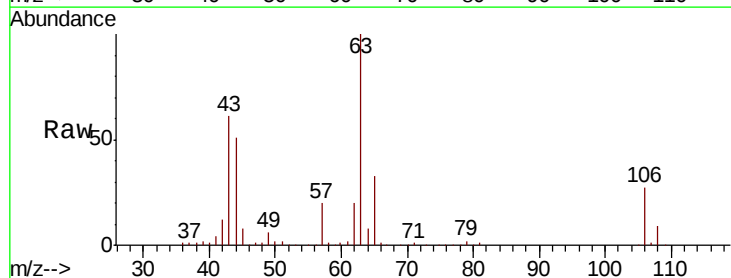
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

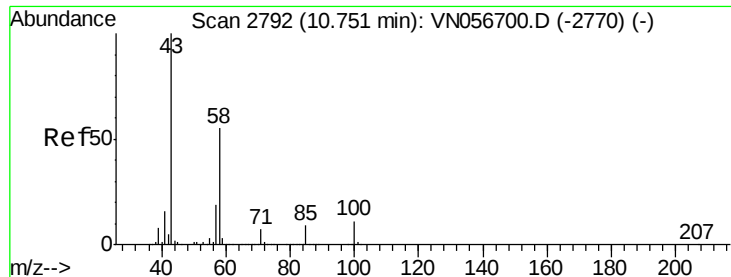
Tot Ion: 76 Resp: 282767
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.556 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Tgt Ion: 63 Resp: 593050
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.2 31.8

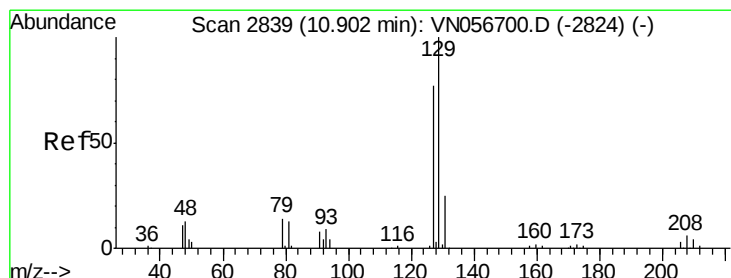
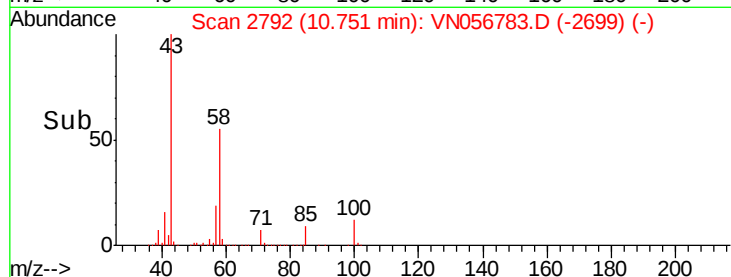
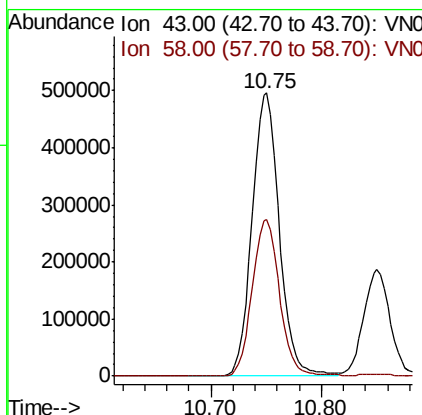
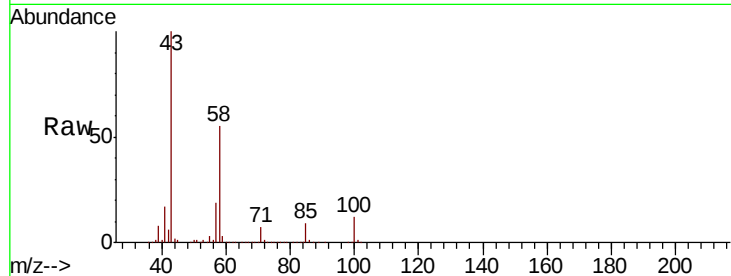




#59
2-Hexanone
Concen: 264.566 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

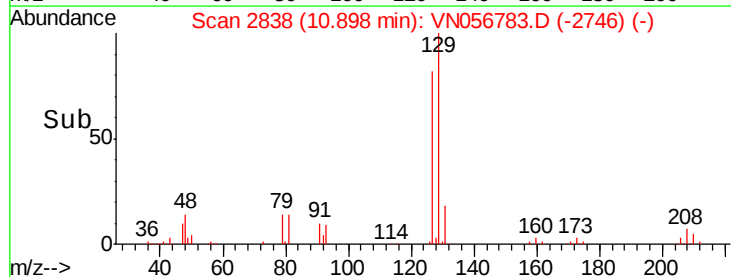
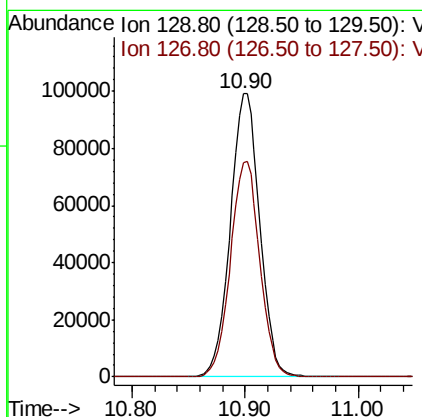
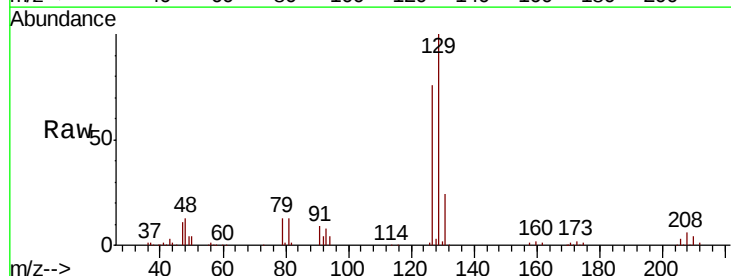
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

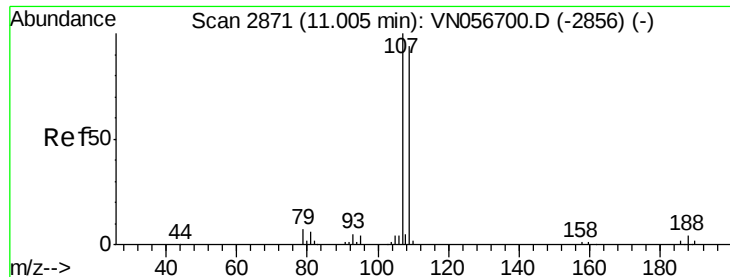
Tot Ion: 43 Resp: 847117
Ion Ratio Lower Upper
43 100
58 55.9 27.9 83.6



#60
Dibromochloromethane
Concen: 53.655 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion: 129 Resp: 179085
Ion Ratio Lower Upper
129 100
127 75.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 52.120 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampled :

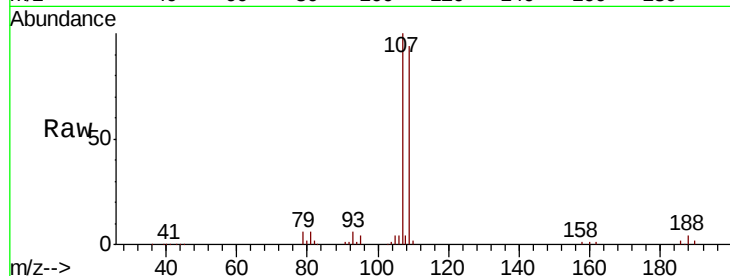
VSTDCCC050

Tot Ion: 107 Resp: 175790

Ion Ratio Lower Upper

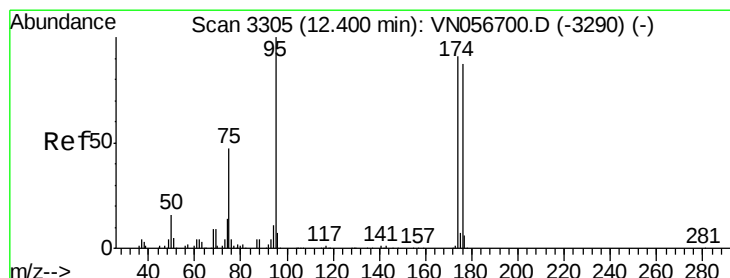
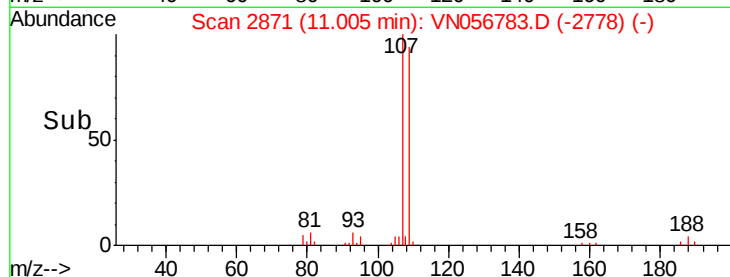
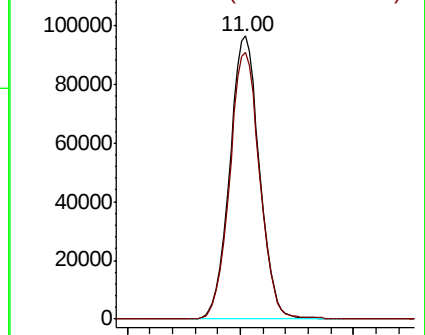
107 100

109 95.2 76.2 114.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.310 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

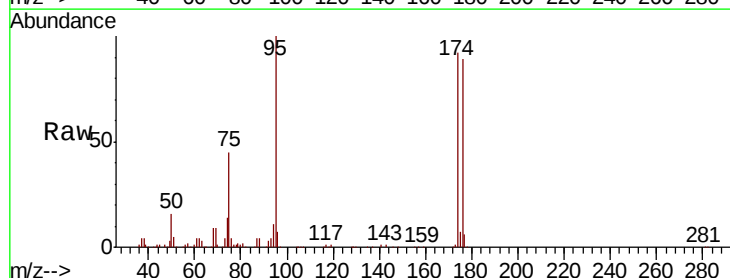
Tgt Ion: 95 Resp: 207639

Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.0

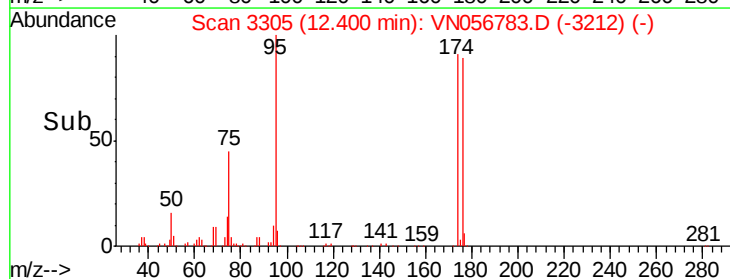
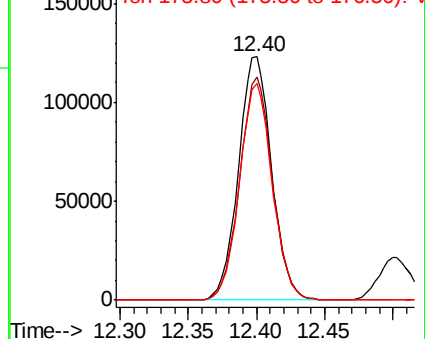
176 87.7 0.0 173.2

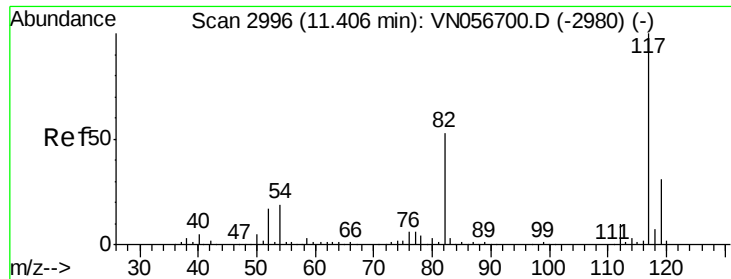


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

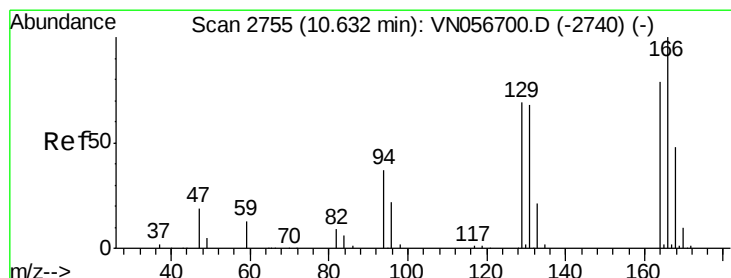
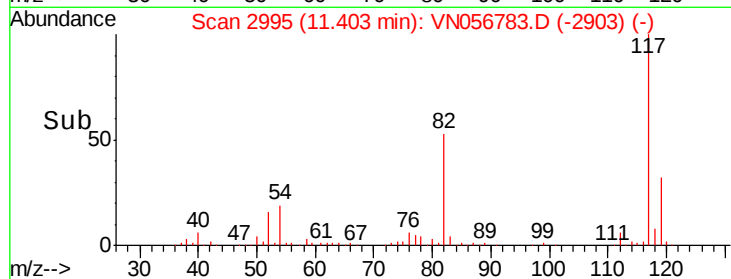
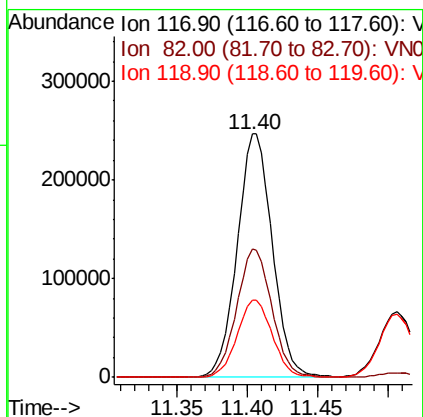
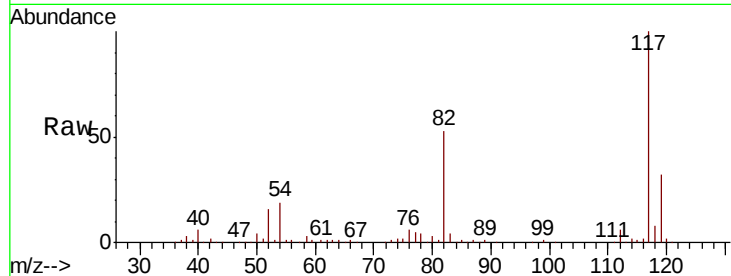




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

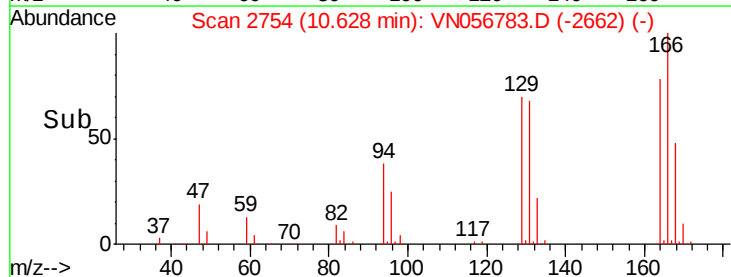
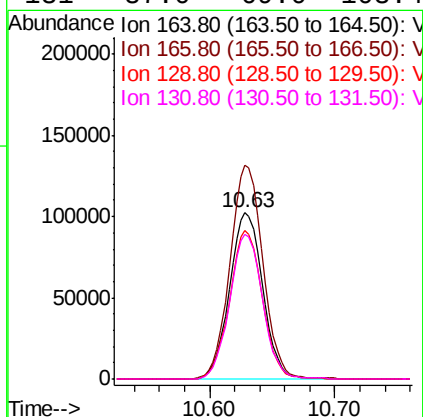
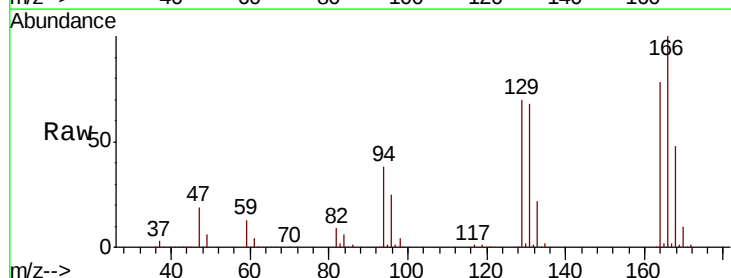
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

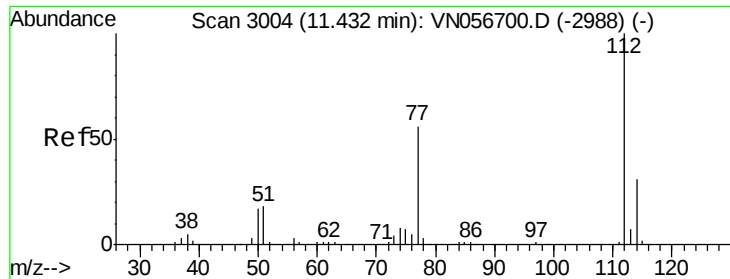
Tot Ion:117 Resp: 430077
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.2
119 31.8 25.2 37.8



#64
Tetrachloroethene
Concen: 50.598 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion:164 Resp: 187737
Ion Ratio Lower Upper
164 100
166 128.5 101.4 152.2
129 89.6 69.6 104.4
131 87.0 69.0 103.4

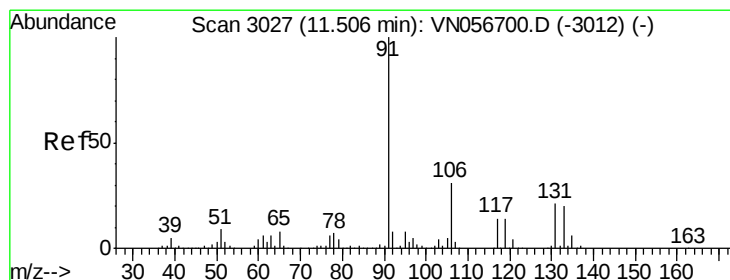
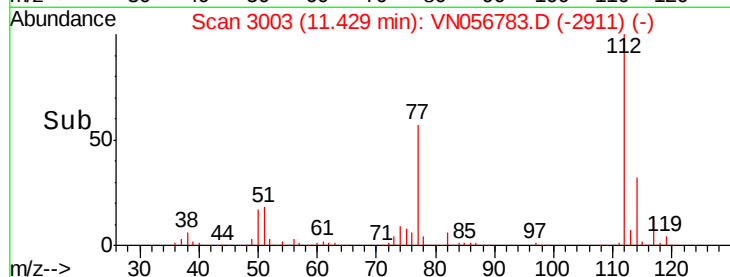
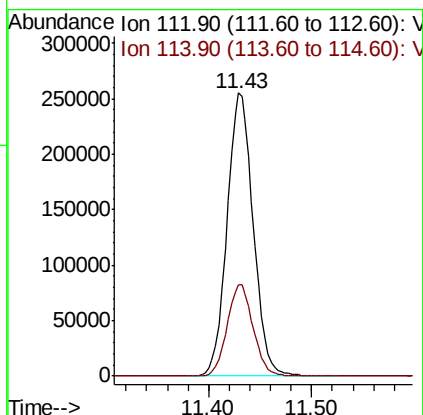
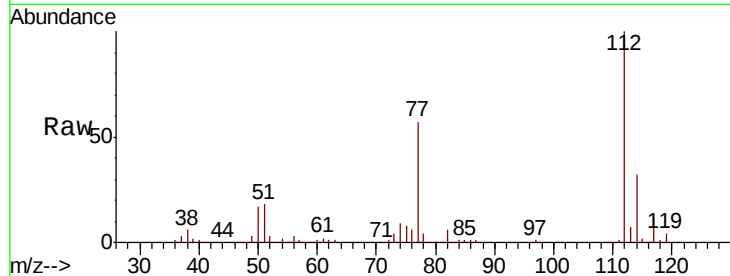




#65
Chlorobenzene
Concen: 51.104 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

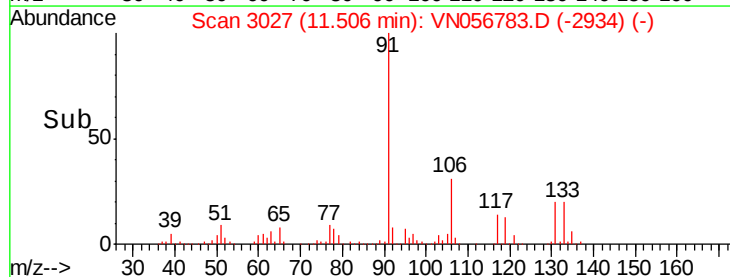
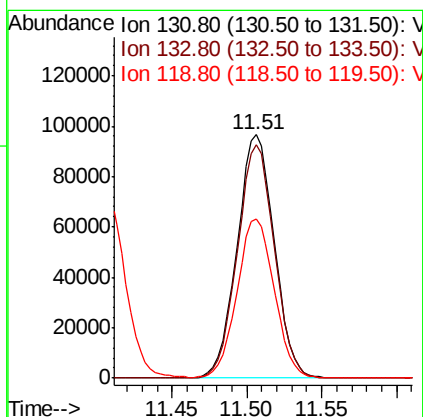
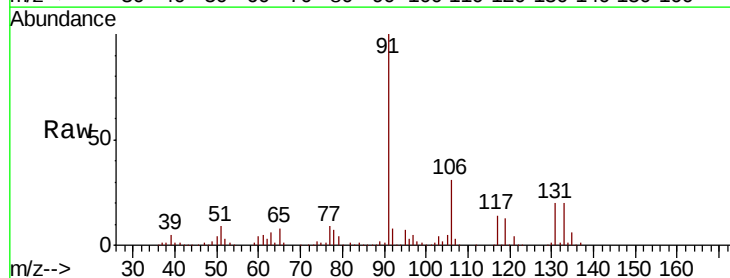
Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

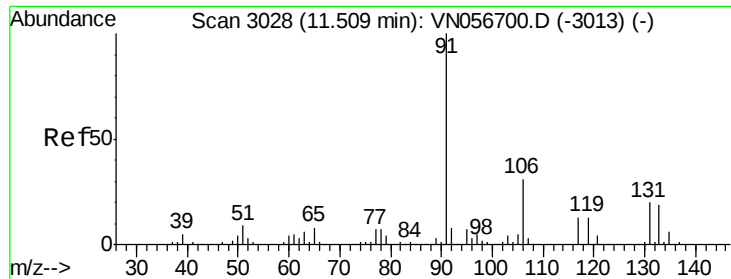
Tot Ion:112 Resp: 449406
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.606 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion:131 Resp: 167091
Ion Ratio Lower Upper
131 100
133 95.4 46.9 140.7
119 65.8 32.8 98.3

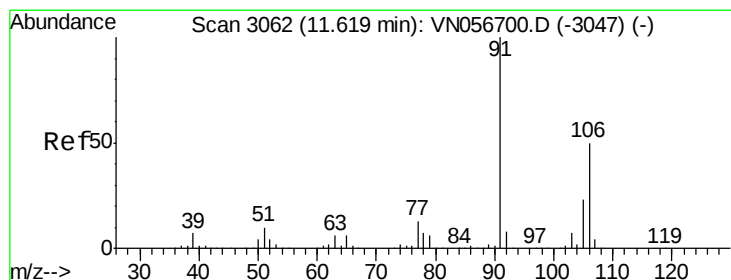
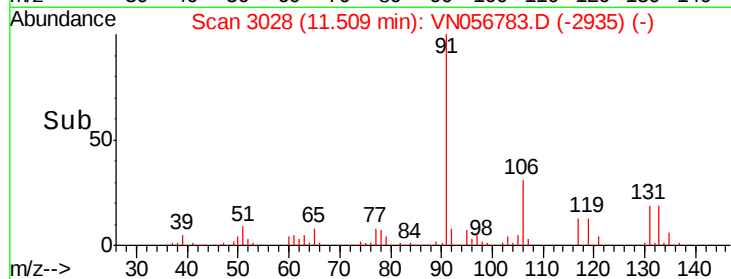
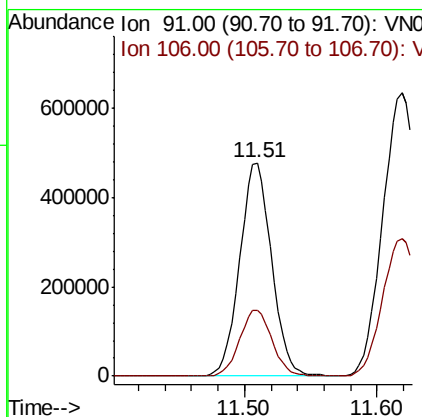
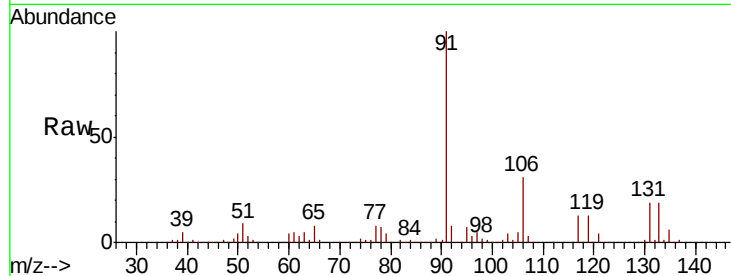




#67
Ethyl Benzene
Concen: 51.596 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

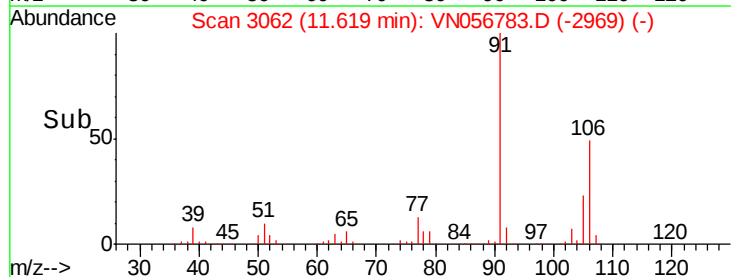
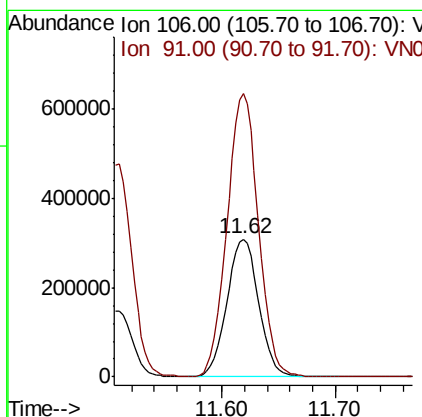
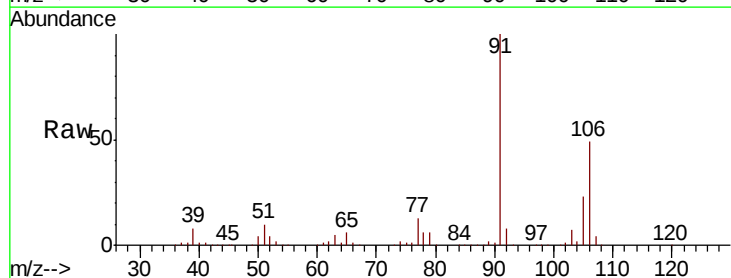
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

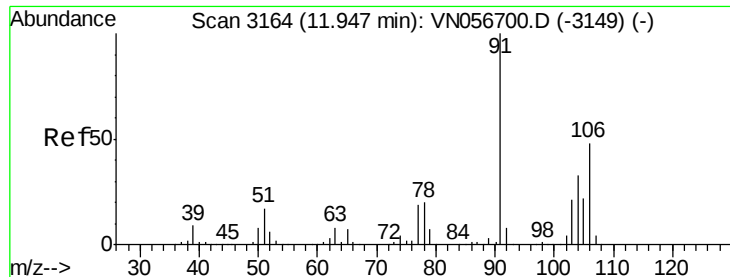
Tot Ion: 91 Resp: 797399
Ion Ratio Lower Upper
91 100
106 31.1 24.8 37.2



#68
m/p-Xylenes
Concen: 104.145 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion: 106 Resp: 601514
Ion Ratio Lower Upper
106 100
91 203.0 160.5 240.7

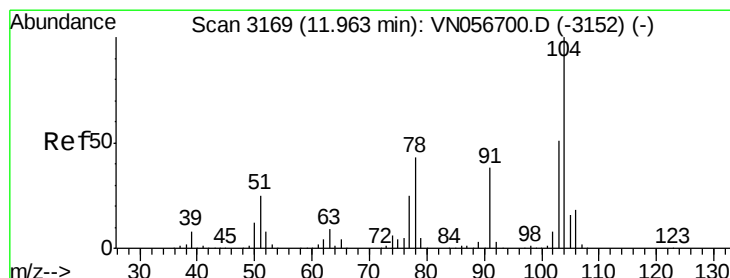
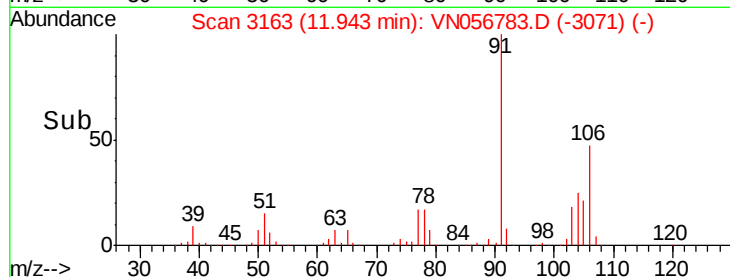
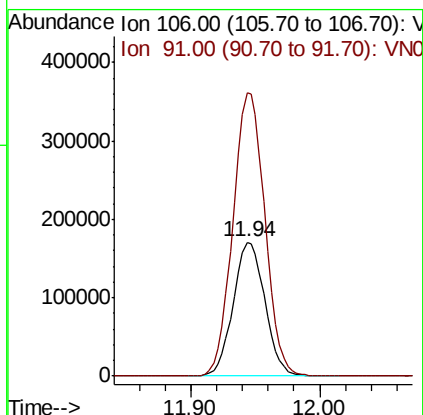
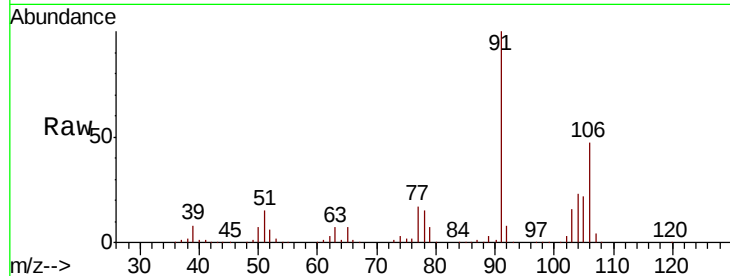




#69
o-Xylene
Concen: 51.287 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

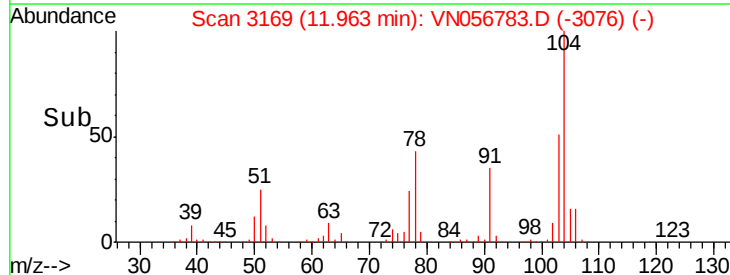
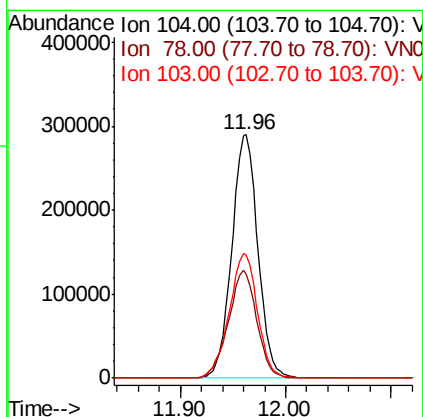
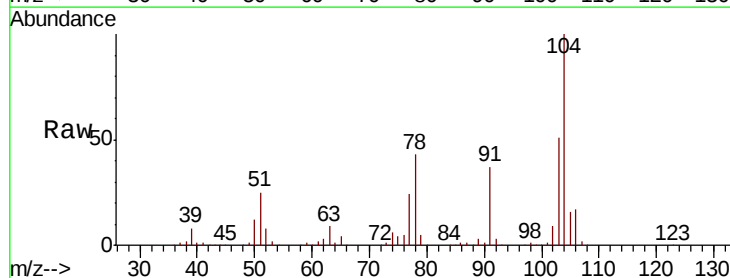
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

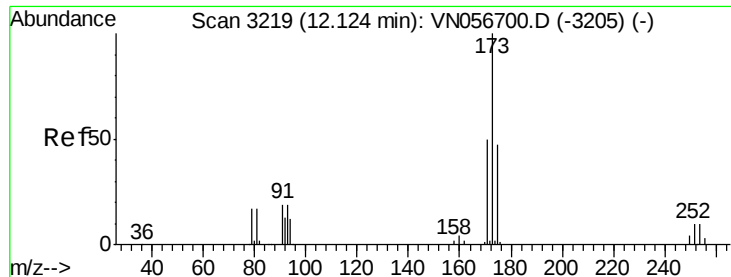
Tot Ion:106 Resp: 291220
Ion Ratio Lower Upper
106 100
91 213.4 105.6 316.8



#70
Styrene
Concen: 53.974 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion:104 Resp: 495488
Ion Ratio Lower Upper
104 100
78 48.0 38.6 57.8
103 55.5 44.2 66.4

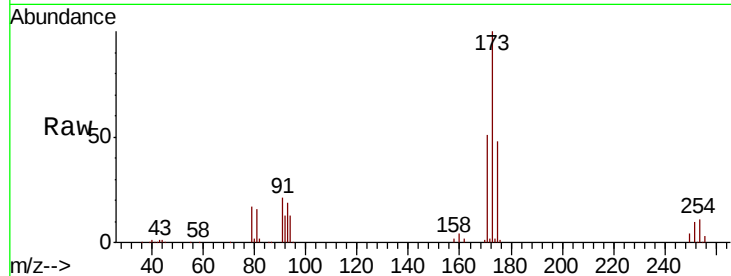




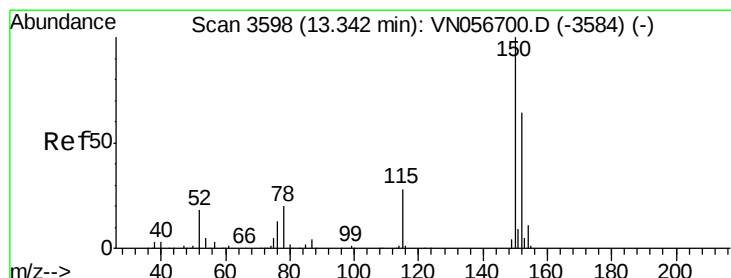
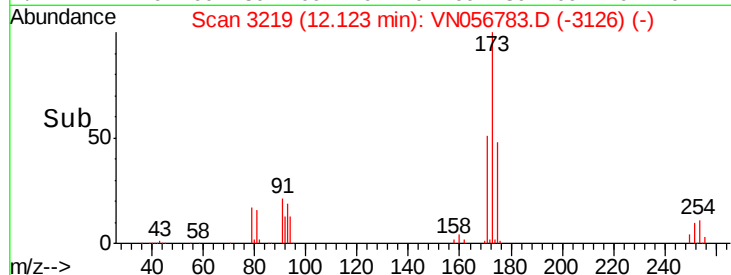
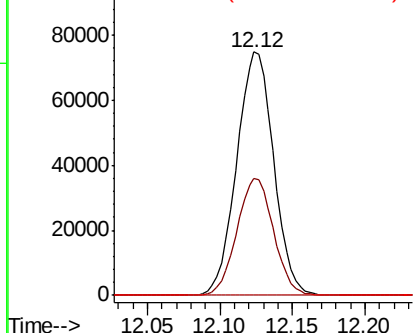
#71
Bromoform
Concen: 53.803 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 132548
Ion Ratio Lower Upper
173 100
175 47.5 23.8 71.4
254 0.0 0.0 0.0#

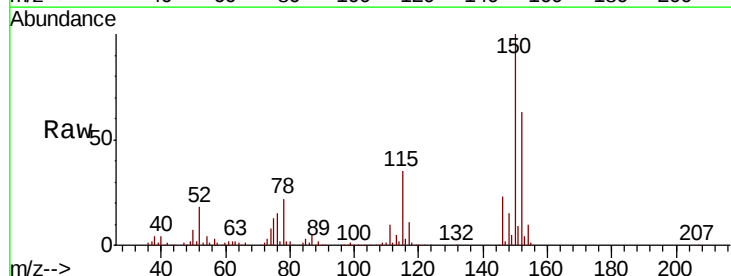


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

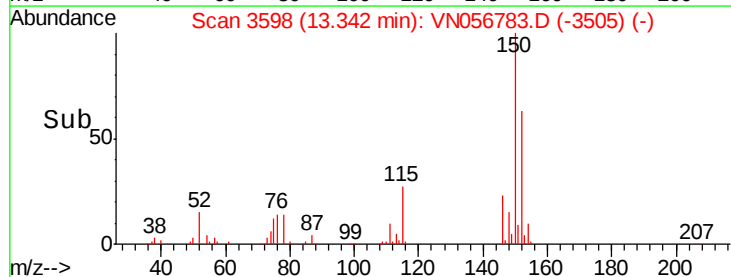
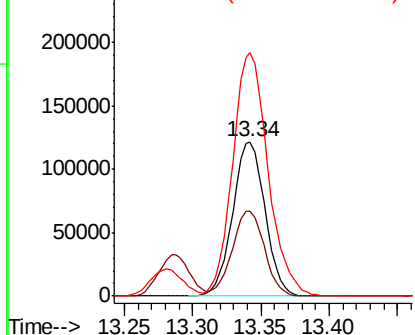


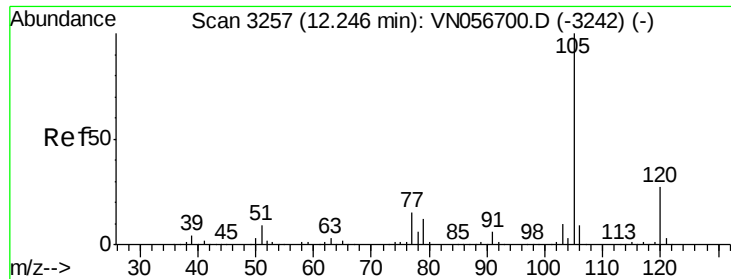
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion:152 Resp: 200067
Ion Ratio Lower Upper
152 100
115 55.4 28.2 84.7
150 172.6 0.0 345.8



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: 48.146 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

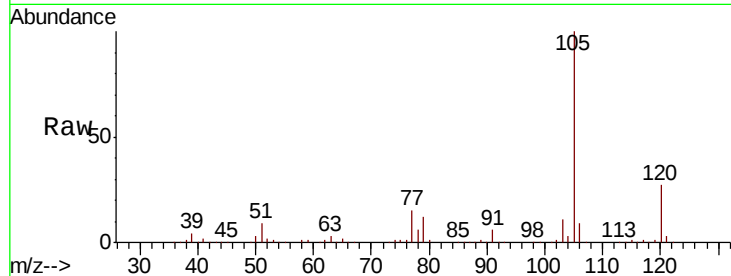
VSTDCCC050

Tot Ion:105 Resp: 776667

Ion Ratio Lower Upper

105 100

120 26.8 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

300000

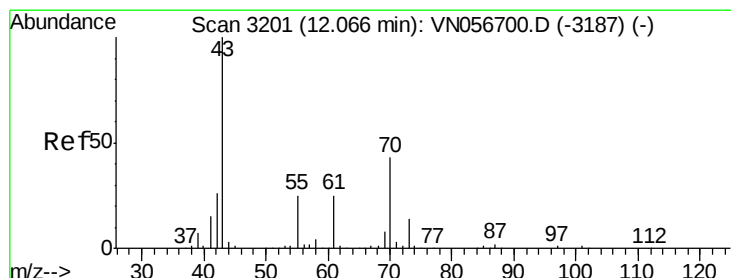
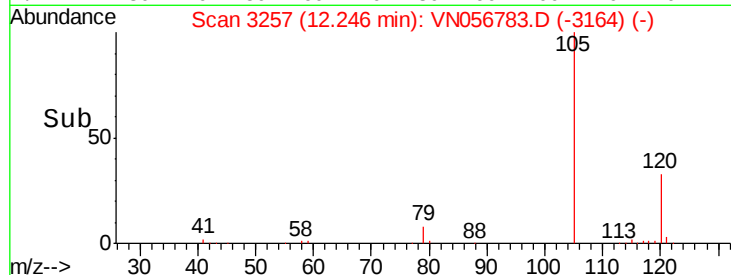
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 48.142 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Tgt Ion: 43 Resp: 289227

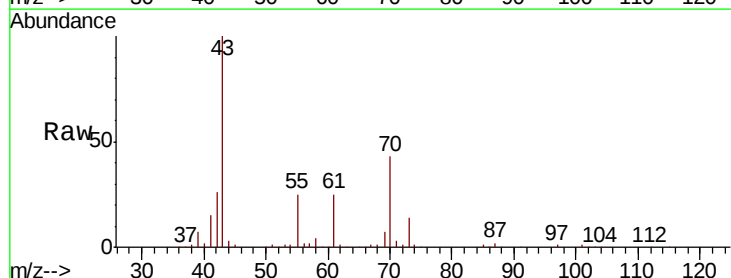
Ion Ratio Lower Upper

43 100

70 44.0 34.5 51.7

55 25.6 20.2 30.2

61 25.3 19.9 29.9



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

300000

250000

200000

150000

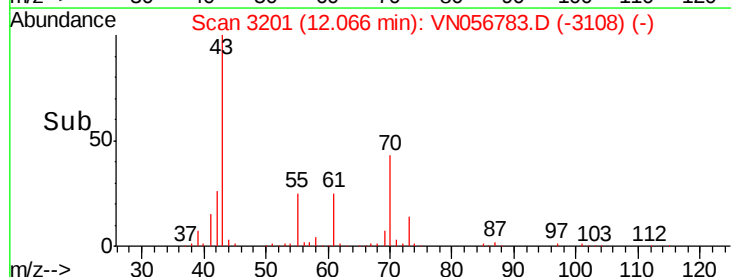
100000

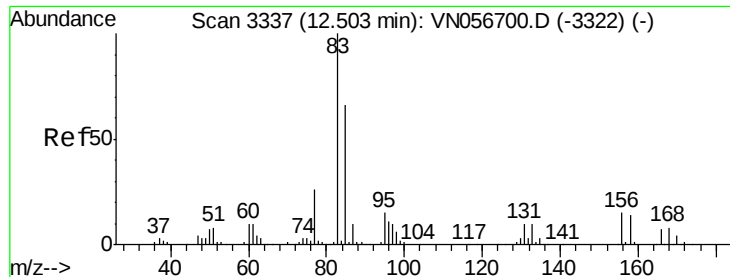
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 51.583 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

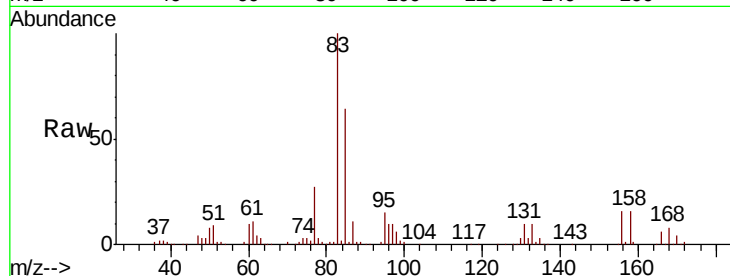
Tot Ion: 83 Resp: 240671

Ion Ratio Lower Upper

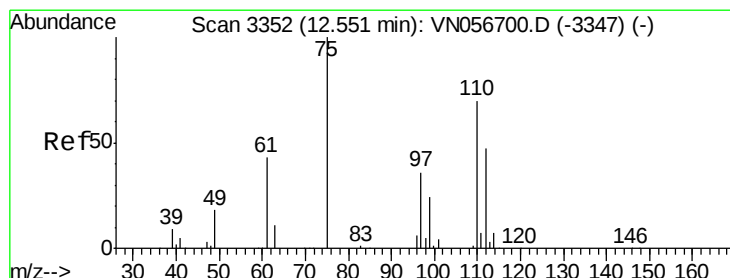
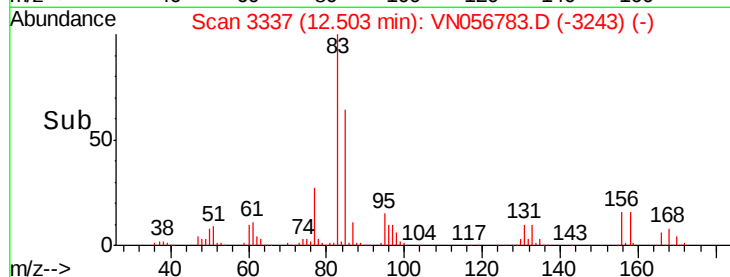
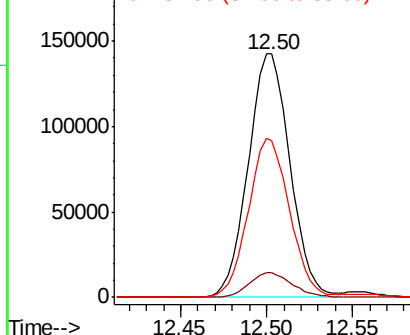
83 100

131 10.3 5.3 15.8

85 64.4 32.6 97.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 67.966 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN056783.D

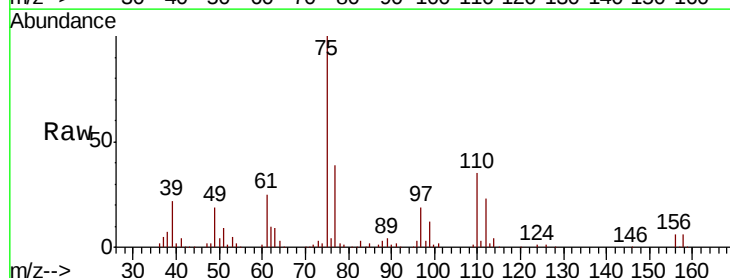
Acq: 17 Jul 2019 8:55

Tgt Ion: 75 Resp: 297404

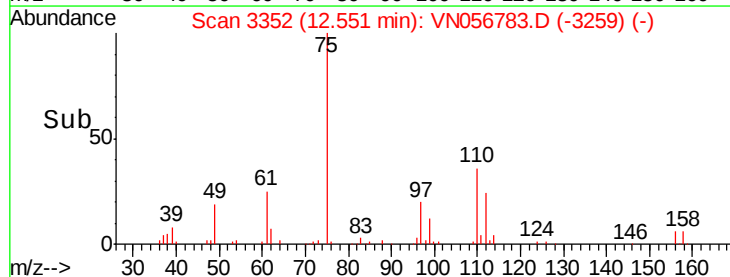
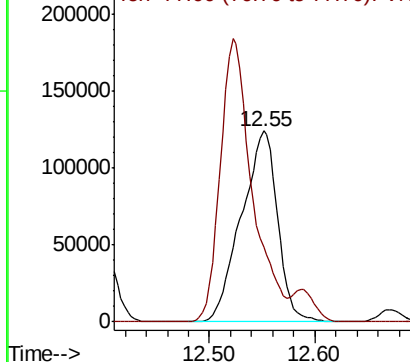
Ion Ratio Lower Upper

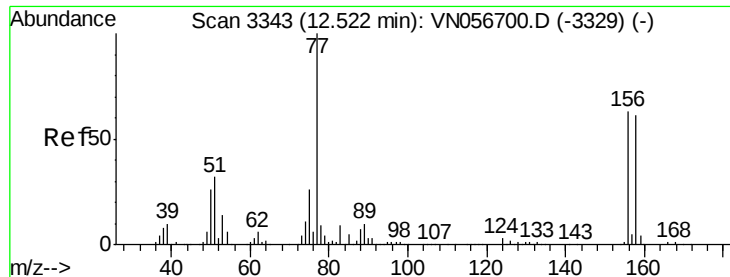
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 48.173 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

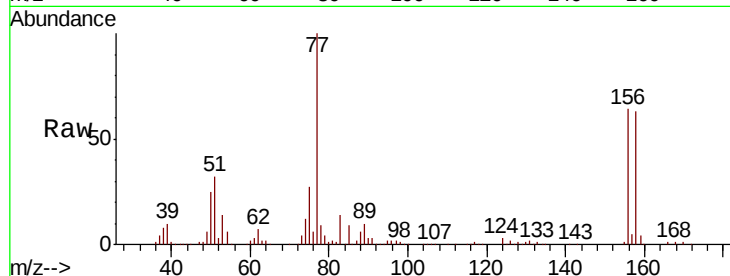
Tot Ion:156 Resp: 203262

Ion Ratio Lower Upper

156 100

77 190.2 97.2 291.6

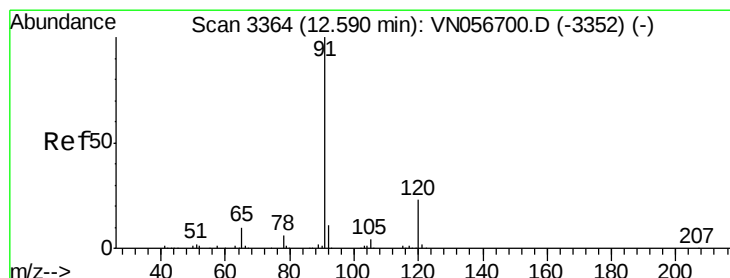
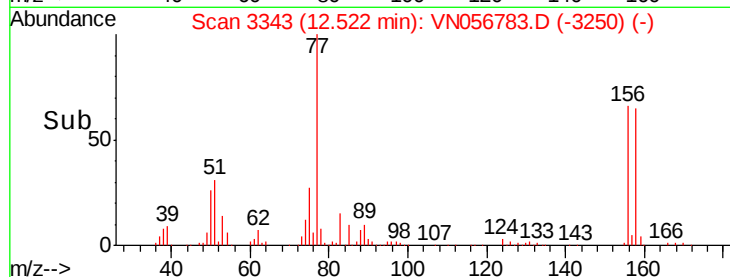
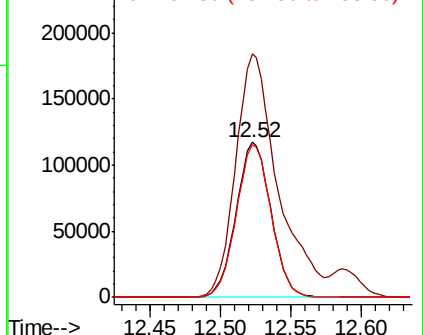
158 97.9 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.166 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056783.D

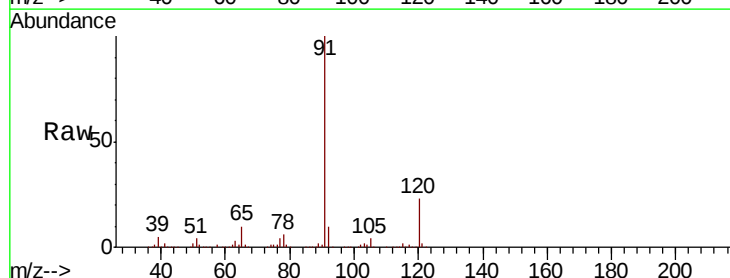
Acq: 17 Jul 2019 8:55

Tgt Ion: 91 Resp: 880505

Ion Ratio Lower Upper

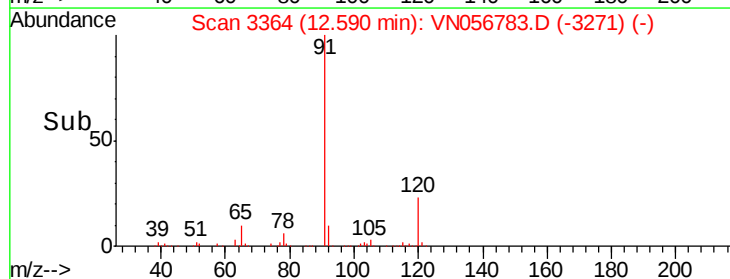
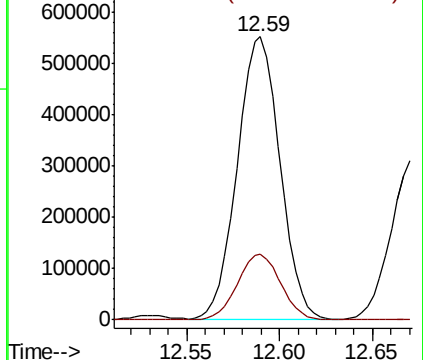
91 100

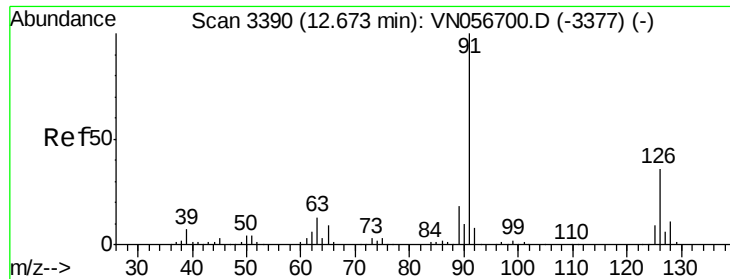
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.129 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

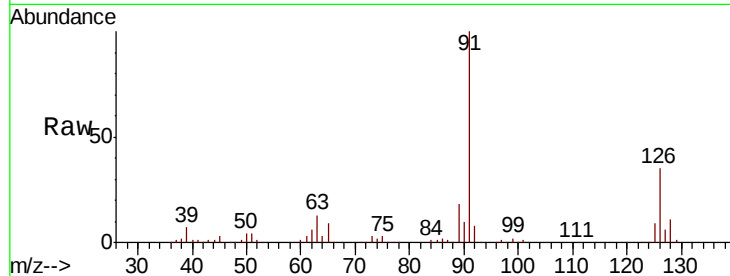
VSTDCCC050

Tot Ion: 91 Resp: 524772

Ion Ratio Lower Upper

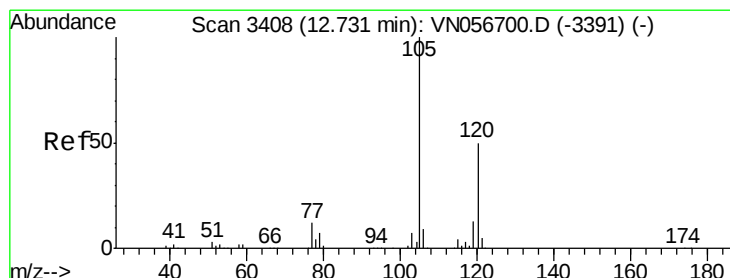
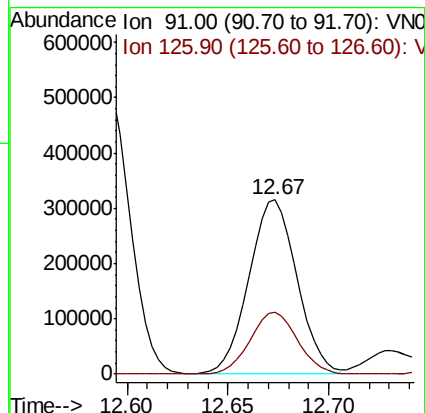
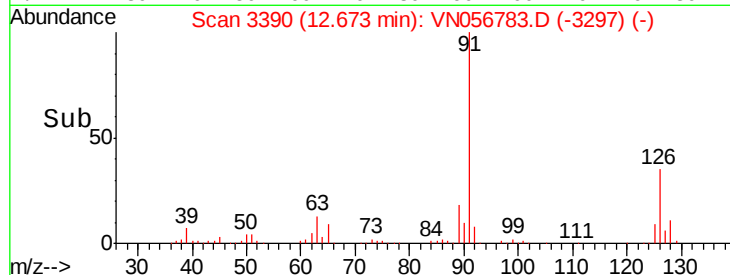
91 100

126 35.4 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056783.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN056783.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.793 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056783.D

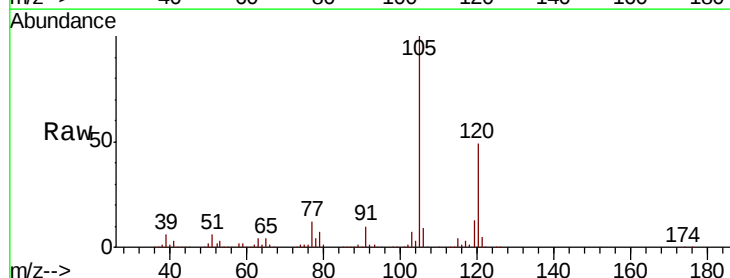
Acq: 17 Jul 2019 8:55

Tgt Ion: 105 Resp: 667100

Ion Ratio Lower Upper

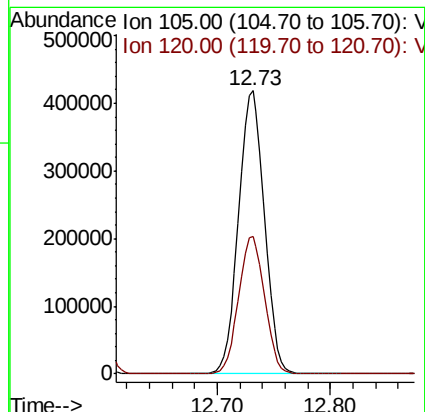
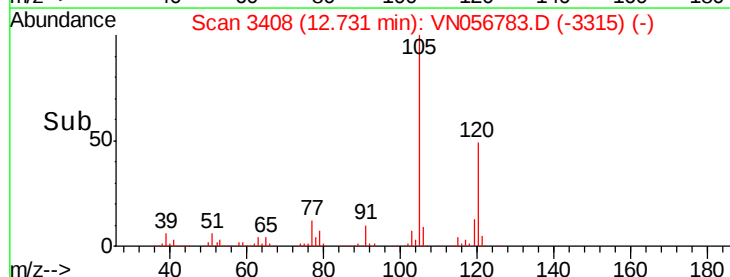
105 100

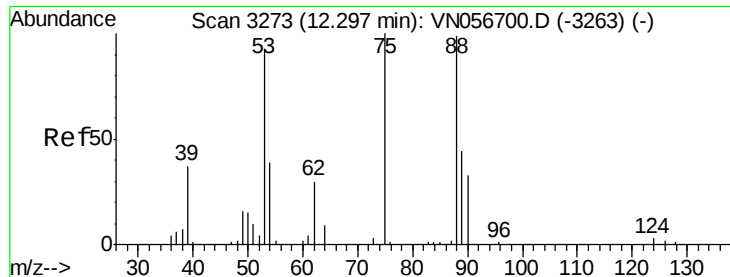
120 48.9 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056783.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN056783.D (-3315) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 51.456 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

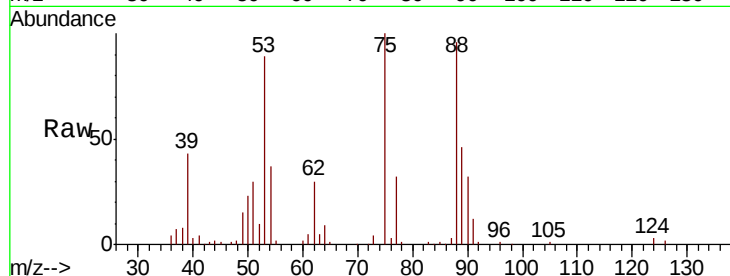
Tot Ion: 75 Resp: 72906

Ion Ratio Lower Upper

75 100

53 89.6 73.7 110.5

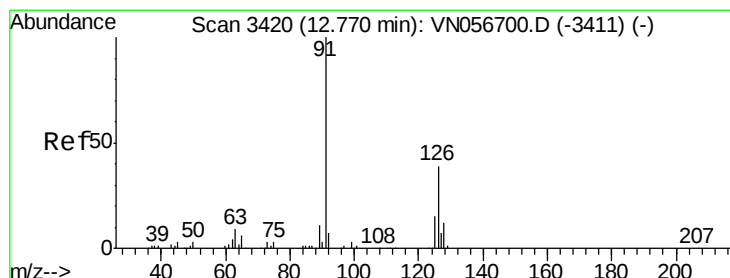
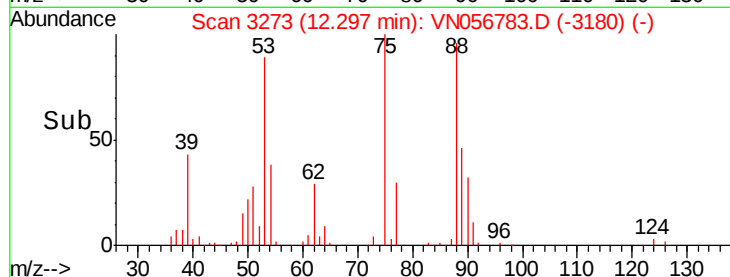
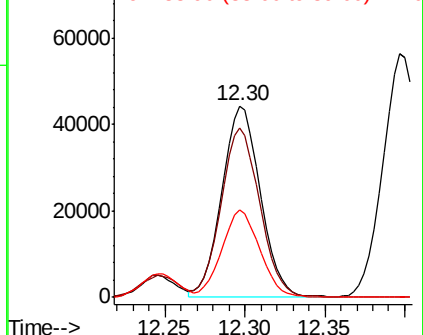
89 44.8 36.2 54.2



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: 49.928 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056783.D

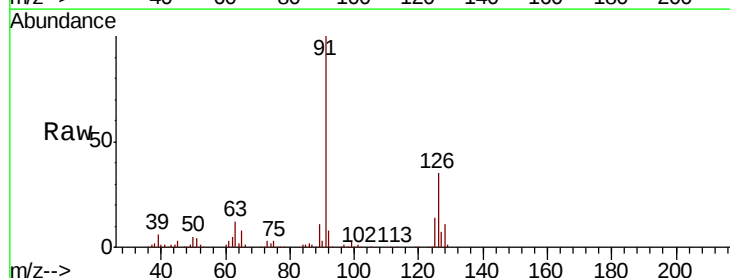
Acq: 17 Jul 2019 8:55

Tgt Ion: 91 Resp: 524735

Ion Ratio Lower Upper

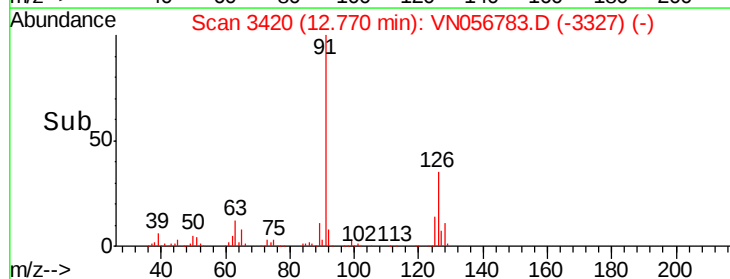
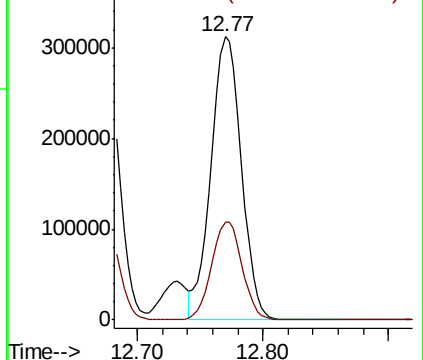
91 100

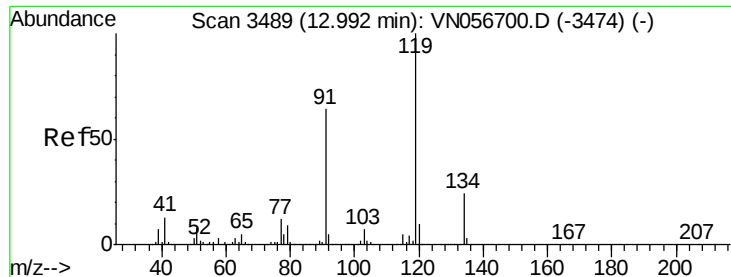
126 34.6 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

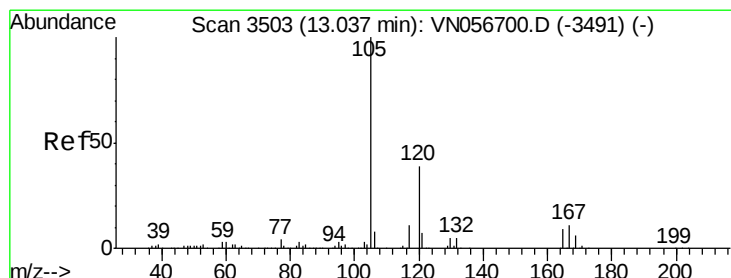
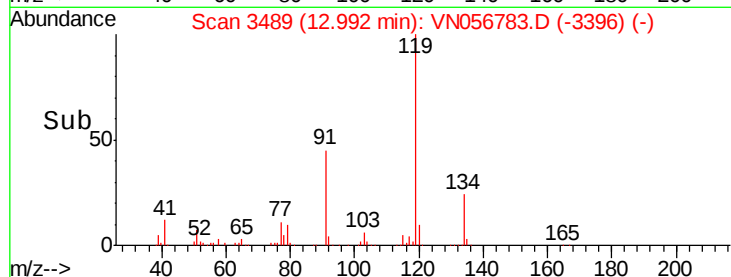
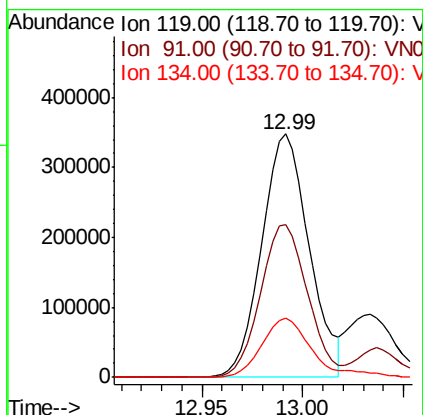
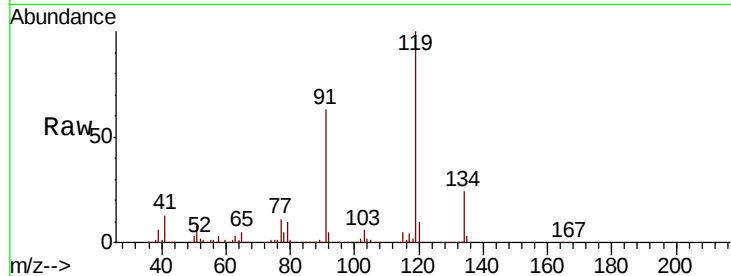




#83
tert-Butylbenzene
Concen: 53.622 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

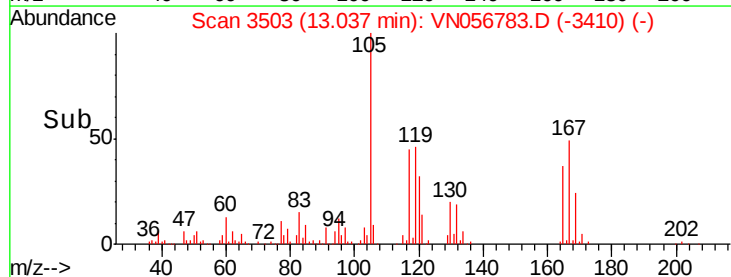
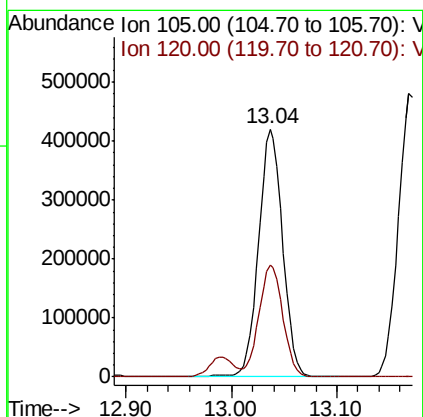
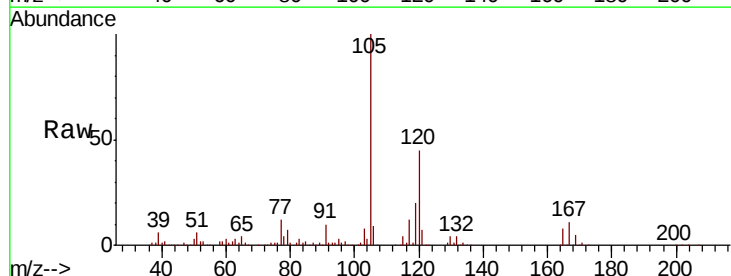
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

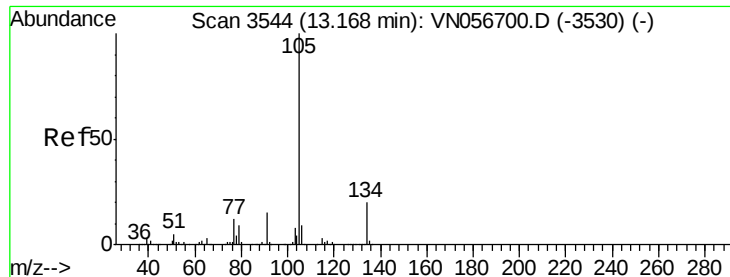
Tot Ion:119 Resp: 570383
Ion Ratio Lower Upper
119 100
91 62.5 31.8 95.4
134 25.8 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 50.122 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN056783.D
Acq: 17 Jul 2019 8:55

Tgt Ion:105 Resp: 669470
Ion Ratio Lower Upper
105 100
120 45.3 22.9 68.8





#85

sec-Butylbenzene

Concen: 49.873 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

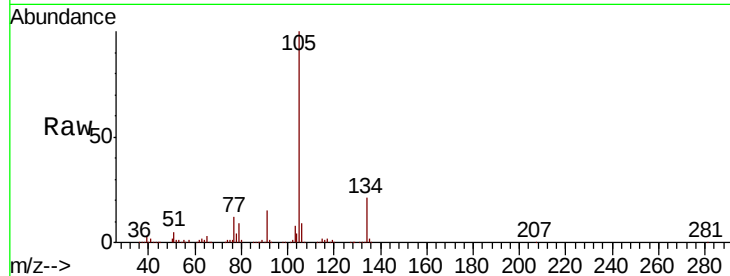
VSTDCCC050

Tot Ion:105 Resp: 757688

Ion Ratio Lower Upper

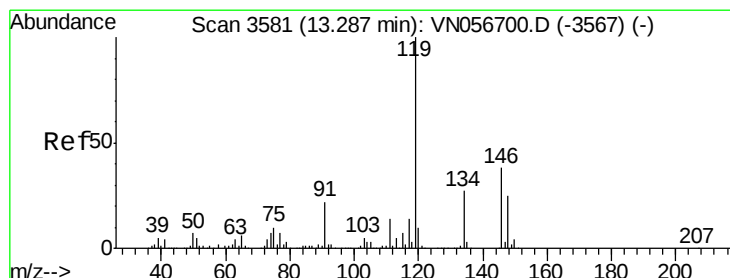
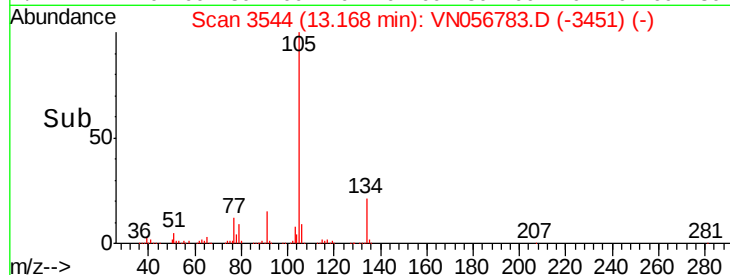
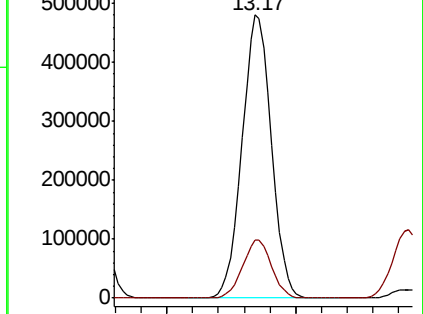
105 100

134 20.4 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.307 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

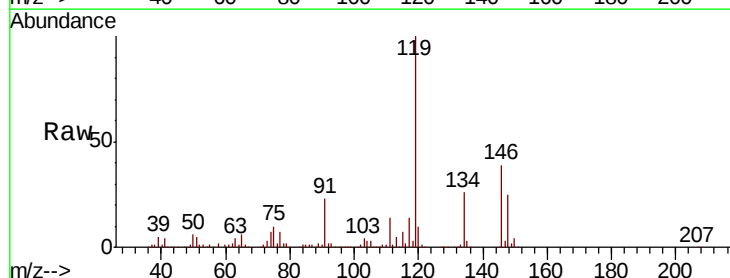
Tgt Ion:119 Resp: 692351

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.7

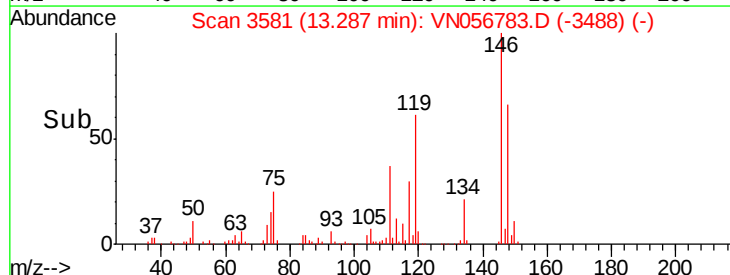
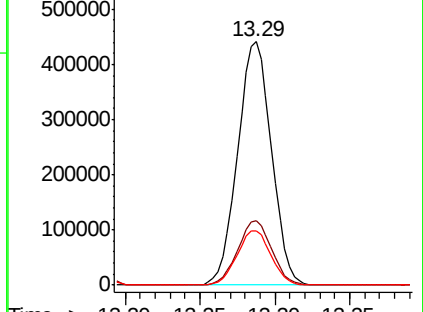
91 22.5 11.2 33.5

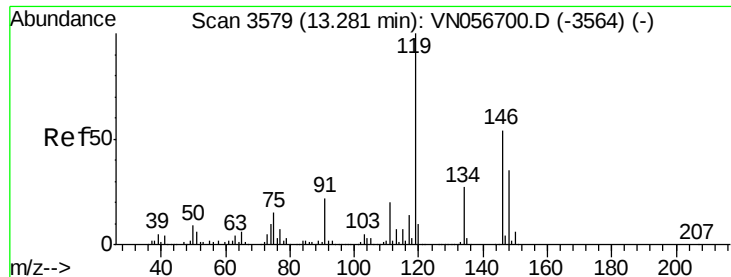


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

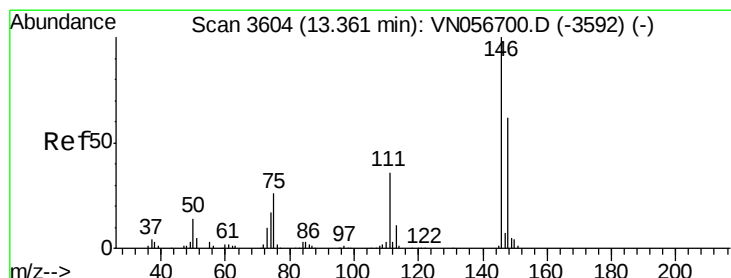
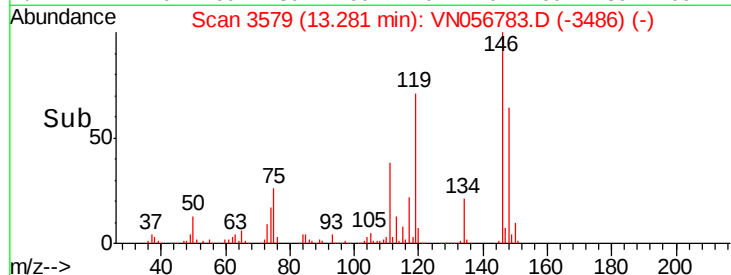
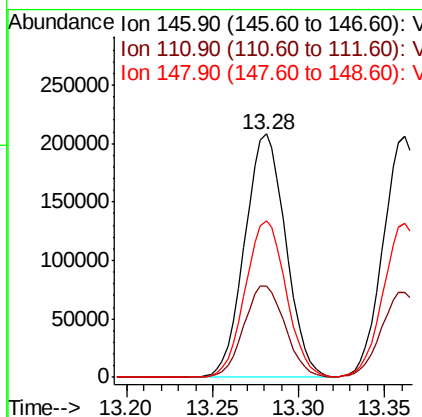
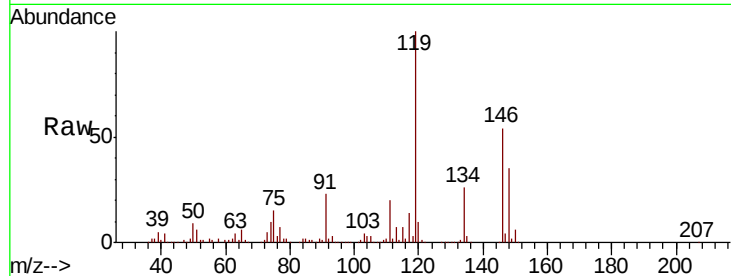




#87
 1,3-Dichlorobenzene
 Concen: 49.918 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

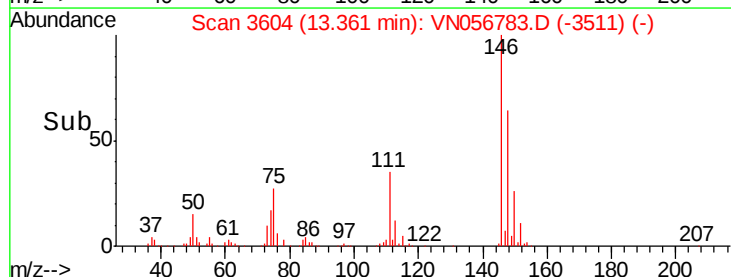
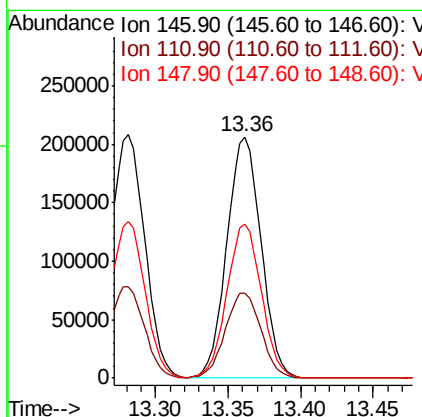
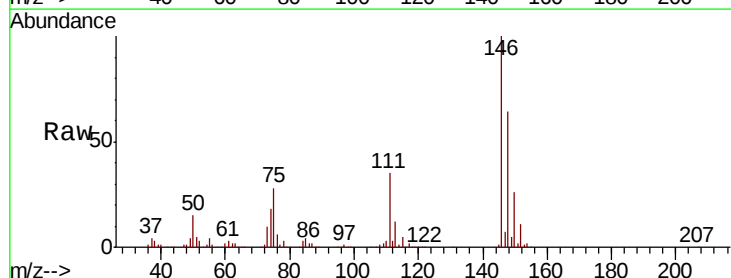
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

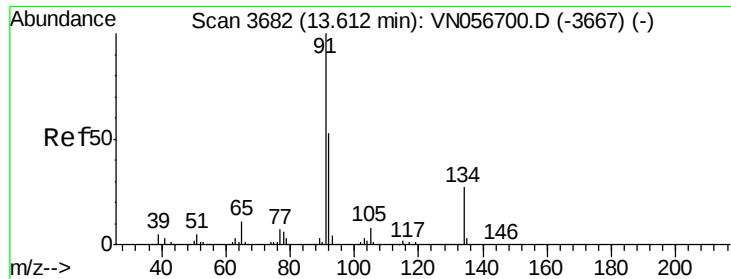
Tot Ion:146 Resp: 345174
 Ion Ratio Lower Upper
 146 100
 111 37.8 18.8 56.3
 148 64.2 32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 50.273 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Tgt Ion:146 Resp: 338141
 Ion Ratio Lower Upper
 146 100
 111 36.6 18.6 55.8
 148 63.9 31.9 95.7





#89

n-Butylbenzene

Concen: 52.922 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

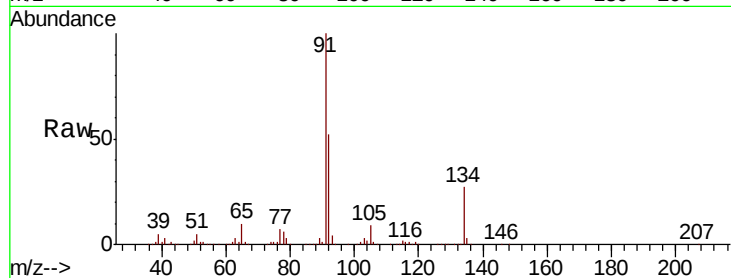
Tot Ion: 91 Resp: 586690

Ion Ratio Lower Upper

91 100

92 51.9 26.0 78.0

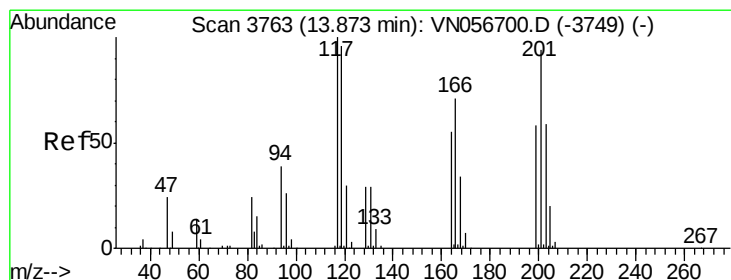
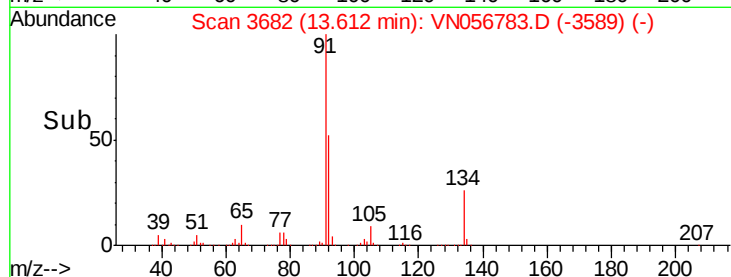
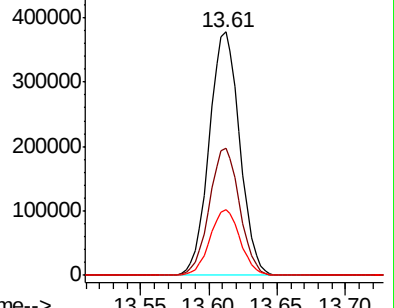
134 26.7 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056783.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN056783.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN056783.D (-3589) (-)



#90

Hexachloroethane

Concen: 50.110 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056783.D

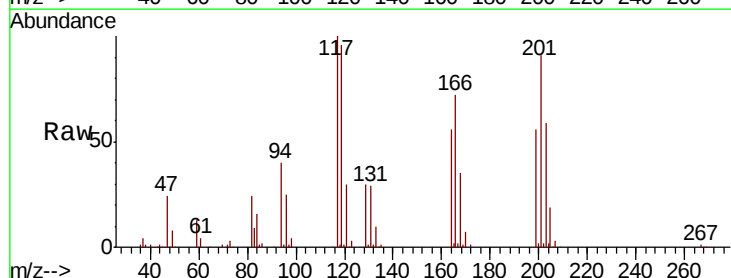
Acq: 17 Jul 2019 8:55

Tgt Ion: 117 Resp: 111525

Ion Ratio Lower Upper

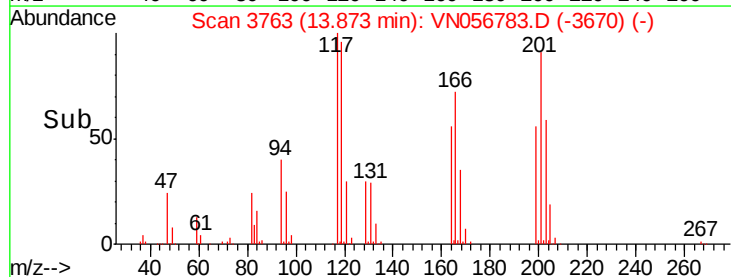
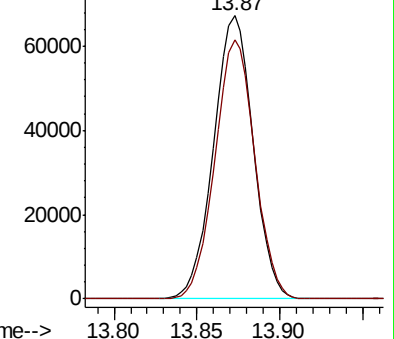
117 100

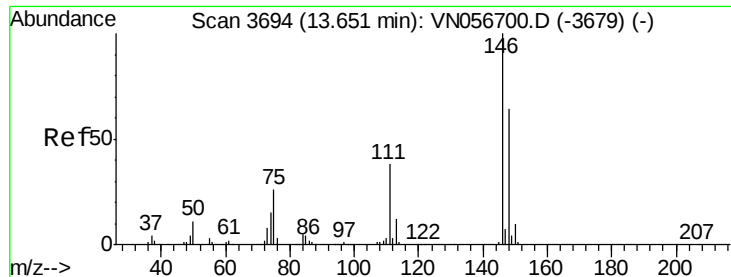
201 91.8 46.5 139.5



Abundance Ion 116.80 (116.50 to 117.50): VN056783.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN056783.D (-3670) (-)





#91

1,2-Dichlorobenzene

Concen: 48.835 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

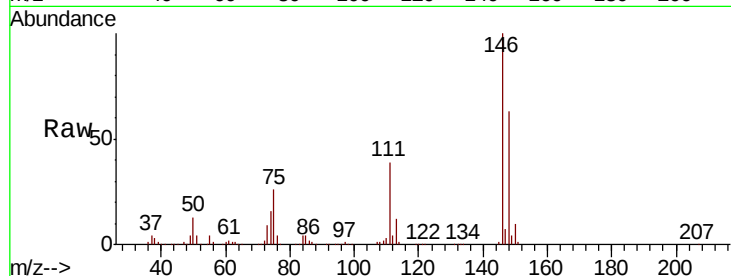
Tot Ion:146 Resp: 345371

Ion Ratio Lower Upper

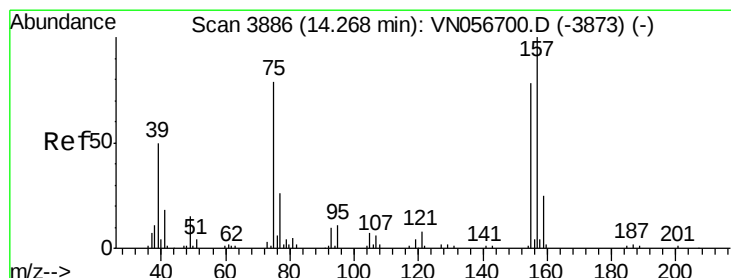
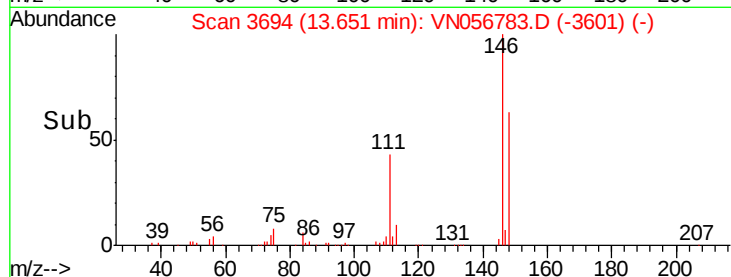
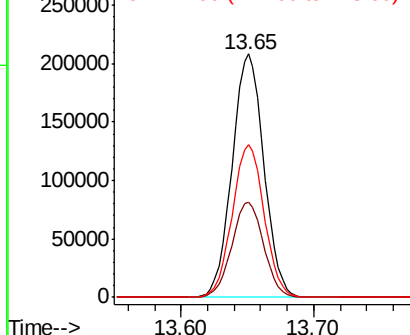
146 100

111 39.3 19.1 57.1

148 63.0 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.635 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

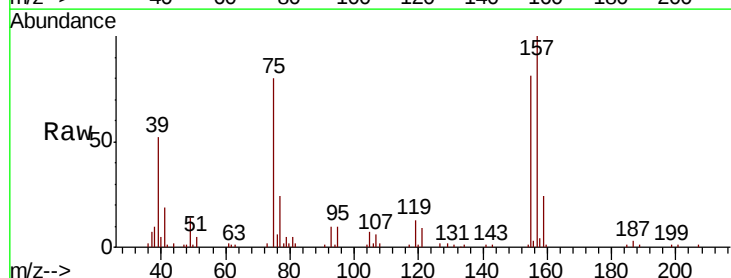
Tgt Ion: 75 Resp: 41205

Ion Ratio Lower Upper

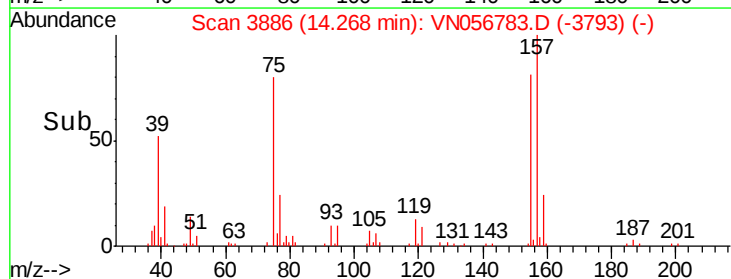
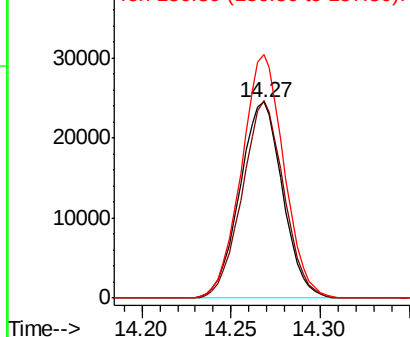
75 100

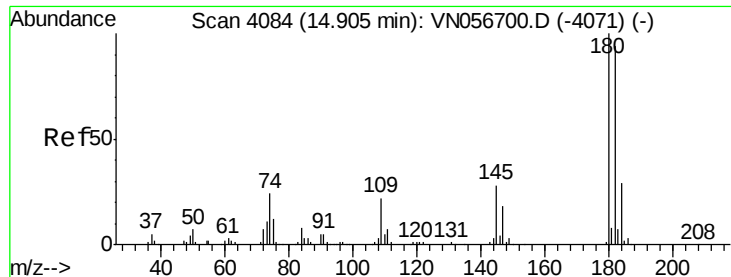
155 97.7 49.3 147.9

157 123.1 62.4 187.1



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

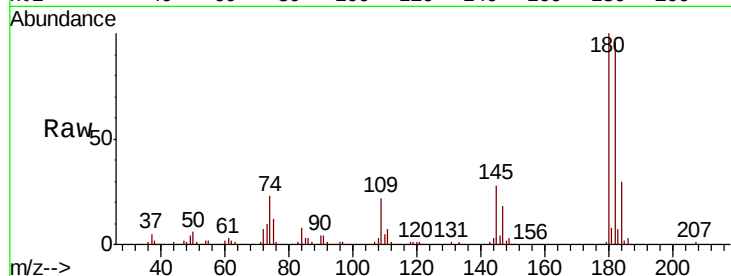




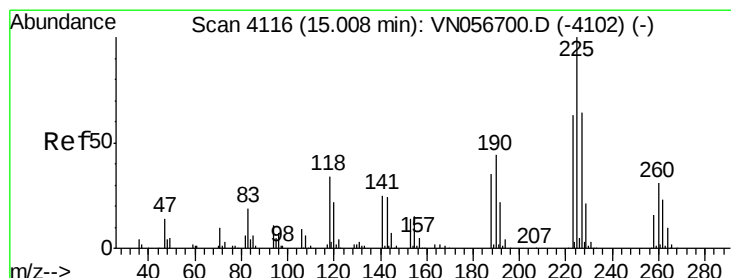
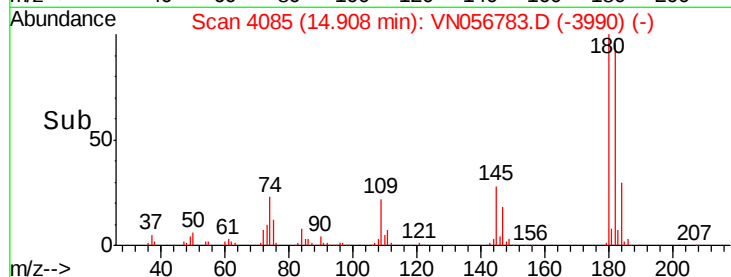
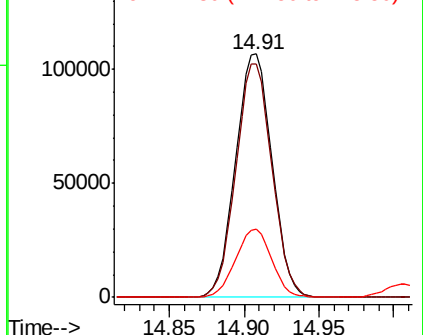
#93
 1,2,4-Trichlorobenzene
 Concen: 46.604 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 181026
 Ion Ratio Lower Upper
 180 100
 182 95.0 47.2 141.6
 145 27.7 14.2 42.8

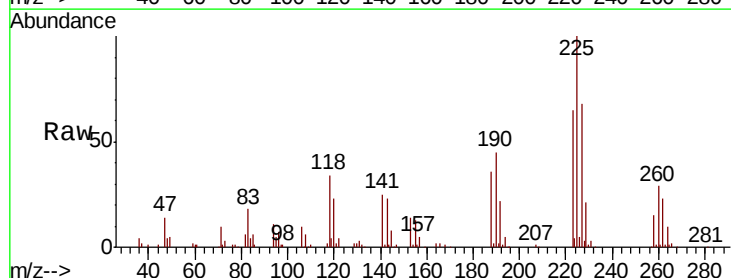


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

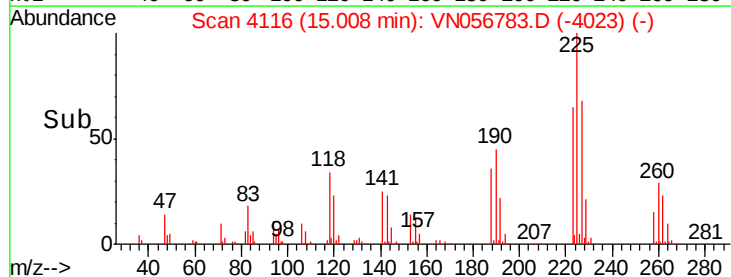
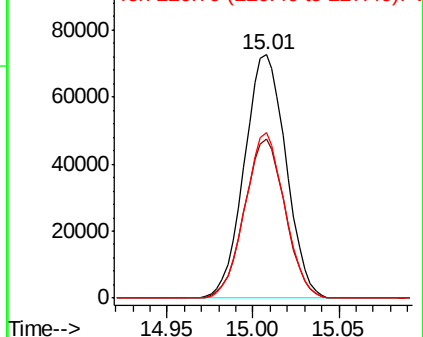


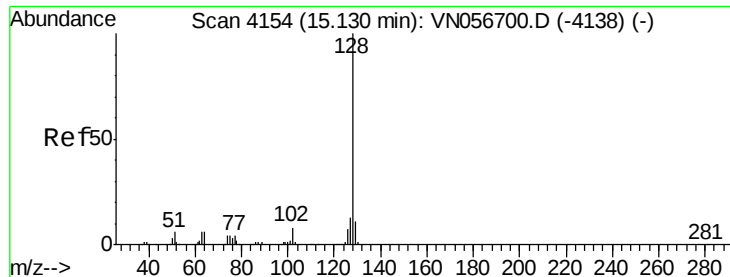
#94
 Hexachlorobutadiene
 Concen: 55.046 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056783.D
 Acq: 17 Jul 2019 8:55

Tgt Ion:225 Resp: 122019
 Ion Ratio Lower Upper
 225 100
 223 63.8 31.5 94.5
 227 65.0 32.0 96.2



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: 42.168 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

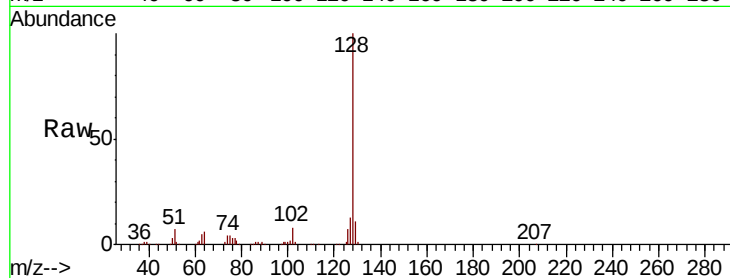
Tot Ion:128 Resp: 443647

Ion Ratio Lower Upper

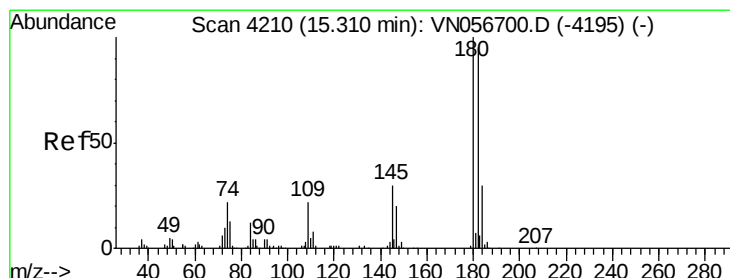
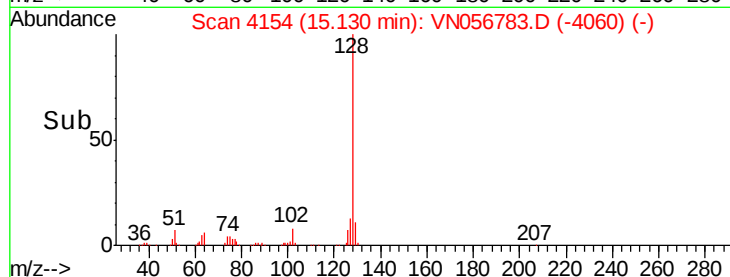
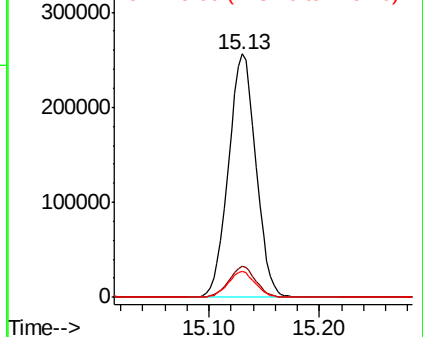
128 100

127 12.4 10.3 15.5

129 10.6 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: 45.818 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN056783.D

Acq: 17 Jul 2019 8:55

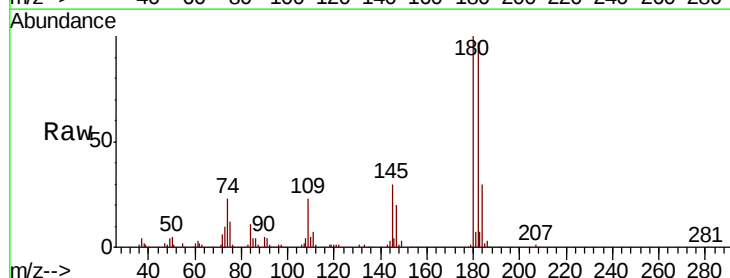
Tgt Ion:180 Resp: 176578

Ion Ratio Lower Upper

180 100

182 95.9 47.1 141.3

145 29.7 15.0 45.1



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

