

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN121619\
 Data File : VN059617.D
 Acq On : 16 Dec 2019 20:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 17 04:56:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	237351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	386953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	358497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171100	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	170755	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.56	113	118984	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.08	98	468687	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	167827	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	153459	50.035	ug/l	97
3) Chloromethane	2.04	50	221446	45.498	ug/l	100
4) Vinyl Chloride	2.17	62	217931	47.217	ug/l	99
5) Bromomethane	2.51	94	111567	41.580	ug/l	99
6) Chloroethane	2.66	64	117679	45.366	ug/l	98
7) Trichlorofluoromethane	2.99	101	250916	49.548	ug/l	97
8) Diethyl Ether	3.38	74	79699	50.370	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	121454	47.592	ug/l	100
10) Methyl Iodide	3.92	142	165409	48.959	ug/l	99
11) Tert butyl alcohol	4.75	59	133045	210.117	ug/l	99
12) 1,1-Dichloroethene	3.71	96	118186	47.474	ug/l	95
13) Acrolein	3.58	56	100038	221.791	ug/l	98
14) Allyl chloride	4.29	41	237388	46.450	ug/l	100
15) Acrylonitrile	4.95	53	381401	249.019	ug/l	100
16) Acetone	3.79	43	329981	160.923	ug/l	99
17) Carbon Disulfide	4.02	76	368283	43.060	ug/l	99
18) Methyl Acetate	4.29	43	203874	47.448	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	436106	49.614	ug/l	98
20) Methylene Chloride	4.52	84	140109	47.310	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	132282	47.664	ug/l	100
22) Diisopropyl ether	5.92	45	479610	50.904	ug/l	98
23) Vinyl Acetate	5.86	43	2099575	283.959	ug/l	99
24) 1,1-Dichloroethane	5.82	63	266433	49.921	ug/l	99
25) 2-Butanone	6.81	43	532611	217.209	ug/l	100
26) 2,2-Dichloropropane	6.80	77	221807	45.727	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	151616	49.302	ug/l	99
28) Bromochloromethane	7.17	49	110114	49.108	ug/l	100
29) Tetrahydrofuran	7.18	42	360650	241.398	ug/l	99
30) Chloroform	7.35	83	260732	49.631	ug/l	100
31) Cyclohexane	7.63	56	239842	47.560	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	229292	48.412	ug/l	99
36) 1,1-Dichloropropene	7.77	75	199008	49.316	ug/l	99
37) Ethyl Acetate	6.90	43	225153	48.005	ug/l	99
38) Carbon Tetrachloride	7.75	117	202583	48.379	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	227777	49.763	ug/l	99
40) Benzene	8.02	78	571255	48.441	ug/l	100
41) Methacrylonitrile	7.18	41	330392	170.690	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	223707	49.534	ug/l	100
43) Isopropyl Acetate	8.14	43	361031	49.511	ug/l	100
44) Trichloroethene	8.82	130	145129	46.983	ug/l	99
45) 1,2-Dichloropropane	9.10	63	156723	49.214	ug/l	99
46) Dibromomethane	9.19	93	103198	49.464	ug/l	98
47) Bromodichloromethane	9.39	83	209603	50.390	ug/l	99
48) Methyl methacrylate	9.18	41	167069	50.499	ug/l	96
49) 1,4-Dioxane	9.19	88	36804	776.284	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1110801	255.496	ug/l	100
52) Toluene	10.14	92	350045	48.309	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	235941	49.045	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	249489	49.337	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	139244	48.972	ug/l	99
56) Ethyl methacrylate	10.42	69	218559	51.778	ug/l	100
57) 1,3-Dichloropropane	10.70	76	245723	49.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	414816	308.997	ug/l	100
59) 2-Hexanone	10.74	43	821866	239.856	ug/l	100
60) Dibromochloromethane	10.90	129	155520	50.115	ug/l	99
61) 1,2-Dibromoethane	11.00	107	147804	49.015	ug/l	98
64) Tetrachloroethene	10.62	164	129672	38.802	ug/l	98
65) Chlorobenzene	11.43	112	366454	47.242	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	141131	47.900	ug/l	99
67) Ethyl Benzene	11.51	91	680417	48.595	ug/l	99
68) m/p-Xylenes	11.62	106	502389	97.167	ug/l	99
69) o-Xylene	11.94	106	240251	48.835	ug/l	100
70) Styrene	11.96	104	389992	49.339	ug/l	100
71) Bromoform	12.12	173	109665	49.515	ug/l #	98
73) Isopropylbenzene	12.25	105	648717	48.299	ug/l	100
74) N-amyl acetate	12.07	43	308443	50.063	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	209016	49.058	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	297418	70.217	ug/l #	100
77) Bromobenzene	12.52	156	153634	46.512	ug/l	99
78) n-propylbenzene	12.59	91	774728	48.795	ug/l	99
79) 2-Chlorotoluene	12.67	91	450101	46.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	547516	48.170	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	78754	45.923	ug/l	98
82) 4-Chlorotoluene	12.77	91	466500	47.457	ug/l	99
83) tert-Butylbenzene	12.99	119	465797	48.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	551290	48.778	ug/l	100
85) sec-Butylbenzene	13.17	105	624466	48.770	ug/l	100
86) p-Isopropyltoluene	13.29	119	567439	48.931	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	274687	45.225	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	273719	44.697	ug/l	99
89) n-Butylbenzene	13.61	91	509006	46.816	ug/l	100
90) Hexachloroethane	13.87	117	108180	49.351	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	271324	45.296	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50377	43.552	ug/l	97

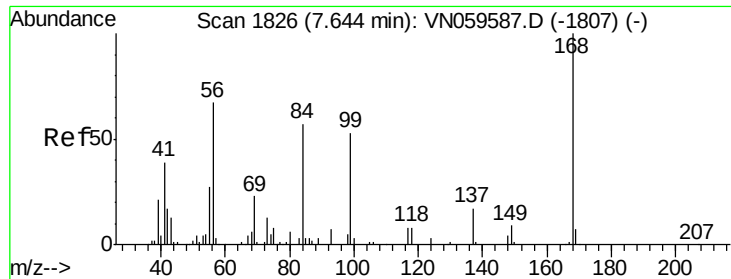
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	170744	44.143	ug/l	99
94) Hexachlorobutadiene	15.01	225	82690	40.810	ug/l	98
95) Naphthalene	15.12	128	512443	44.378	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	168911	43.176	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

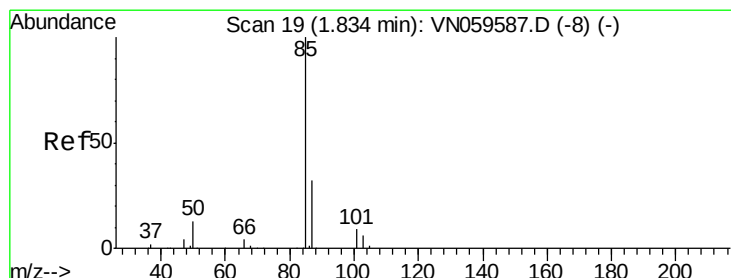
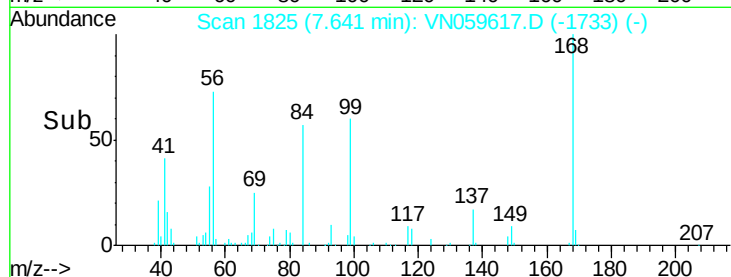
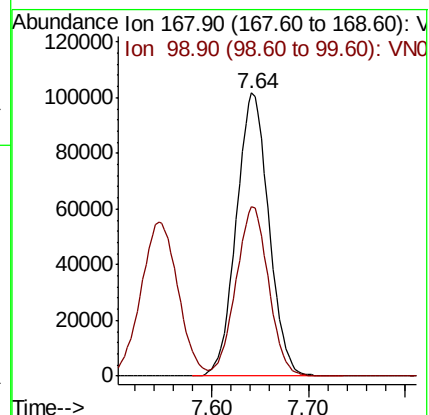
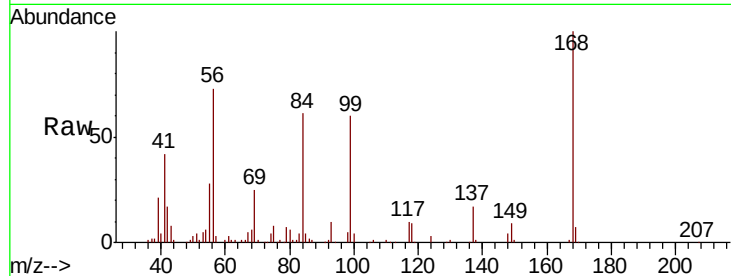
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 237351

Ion Ratio Lower Upper

168 100

99 59.9 48.2 72.4



#2

Dichlorodifluoromethane

Concen: 50.035 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059617.D

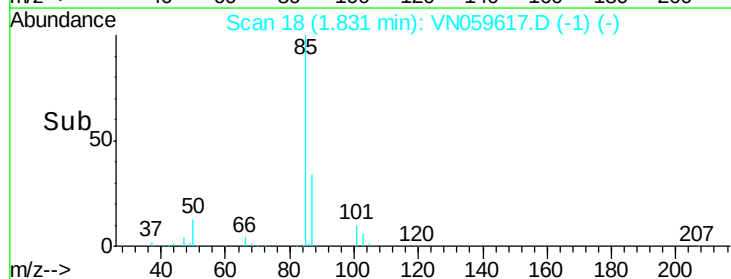
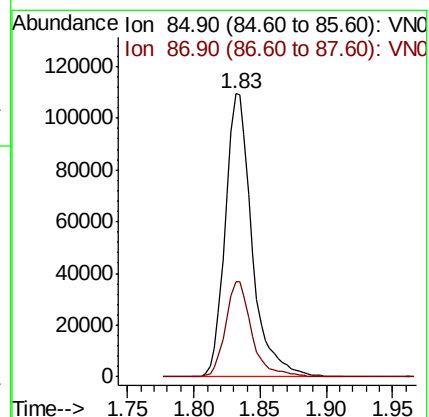
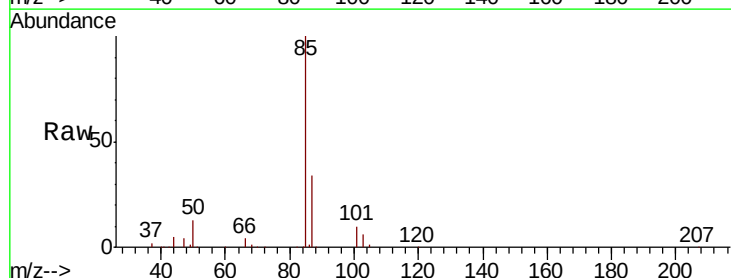
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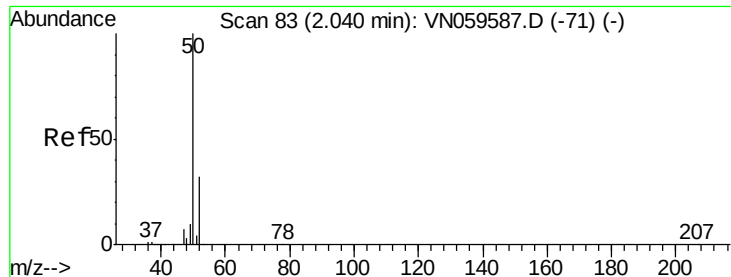
Tgt Ion: 85 Resp: 153459

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.7





#3

Chloromethane

Concen: 45.498 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

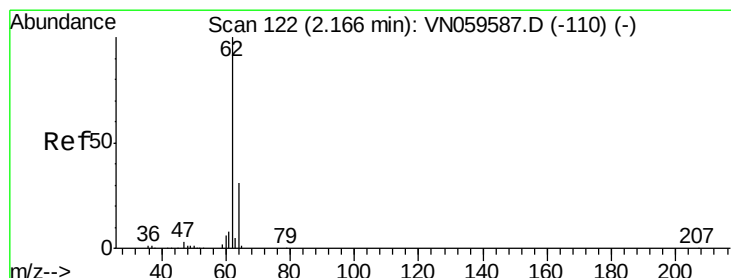
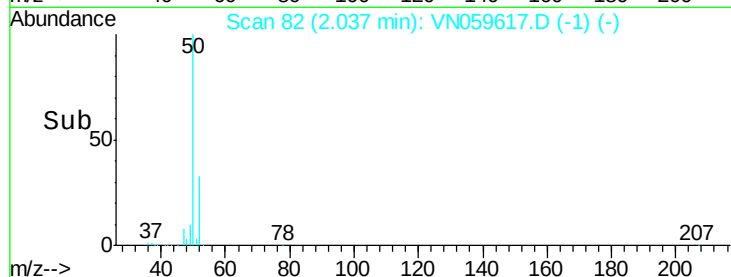
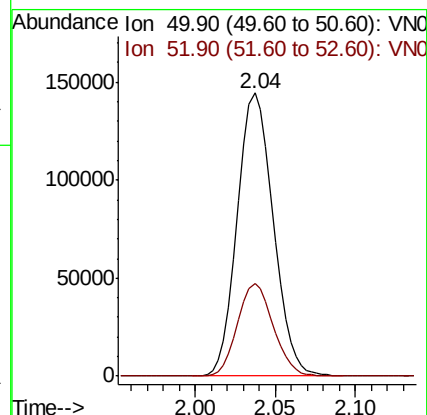
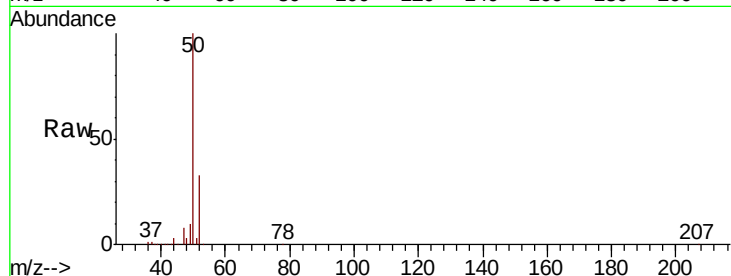
VSTDCCC050EC

Tgt Ion: 50 Resp: 221446

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



#4

Vinyl Chloride

Concen: 47.217 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059617.D

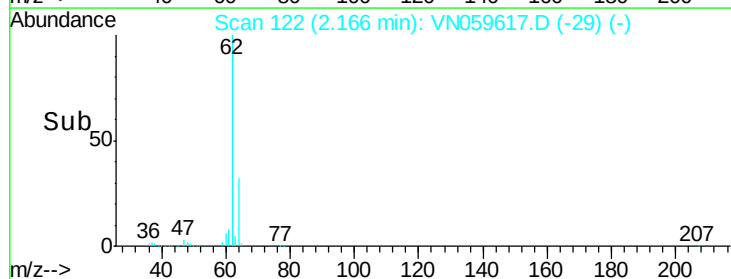
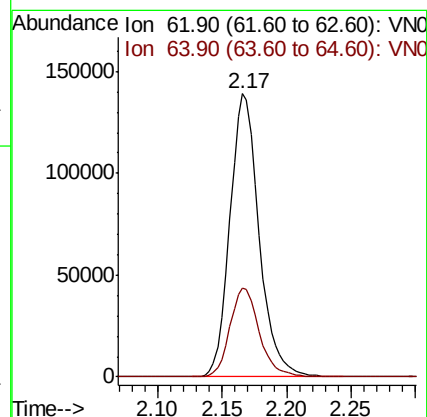
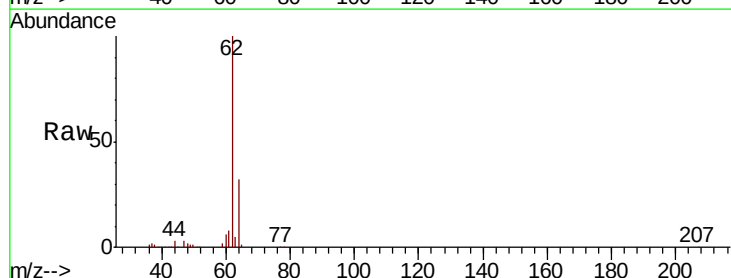
Acq: 16 Dec 2019 20:41

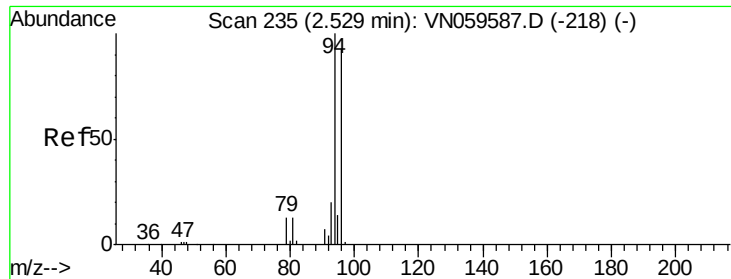
Tgt Ion: 62 Resp: 217931

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0





#5

Bromomethane

Concen: 41.580 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.02 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

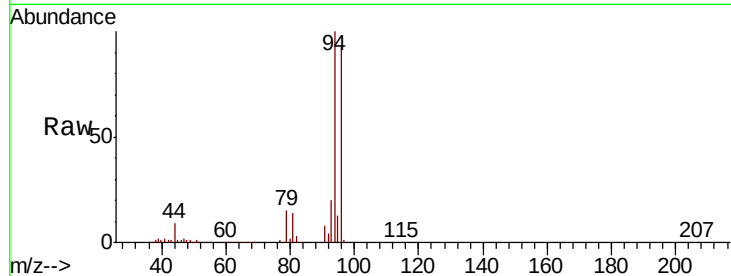
VSTDCCC050EC

Tgt Ion: 94 Resp: 111567

Ion Ratio Lower Upper

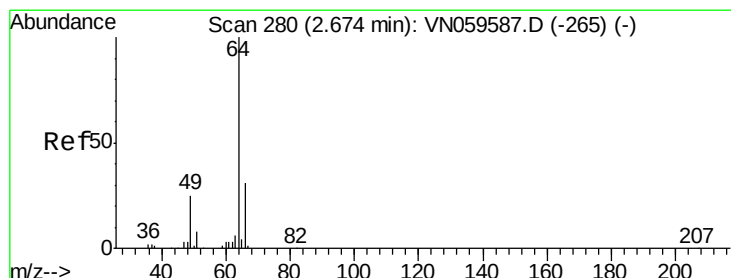
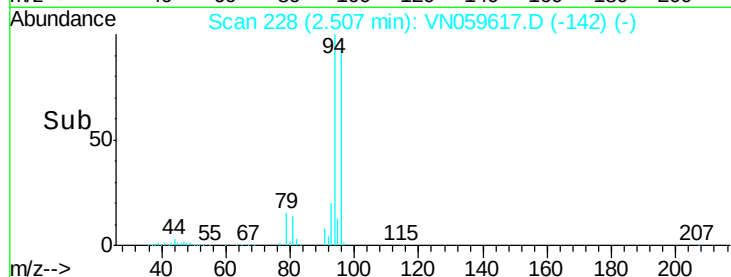
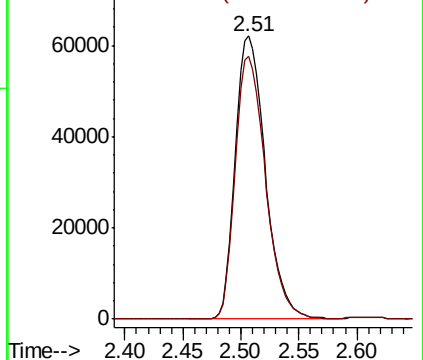
94 100

96 92.7 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 45.366 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.01 min

Lab File: VN059617.D

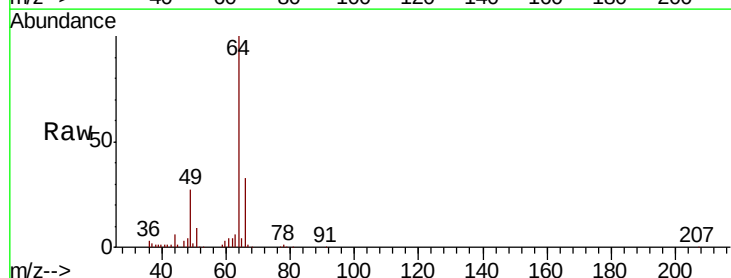
Acq: 16 Dec 2019 20:41

Tgt Ion: 64 Resp: 117679

Ion Ratio Lower Upper

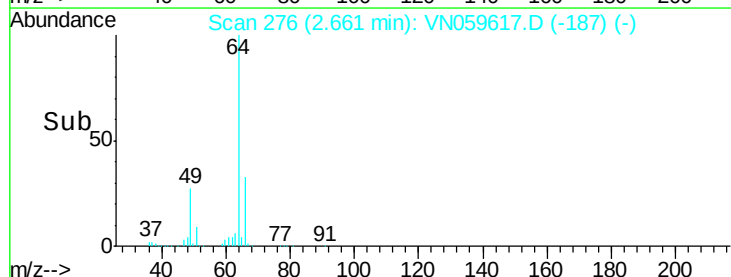
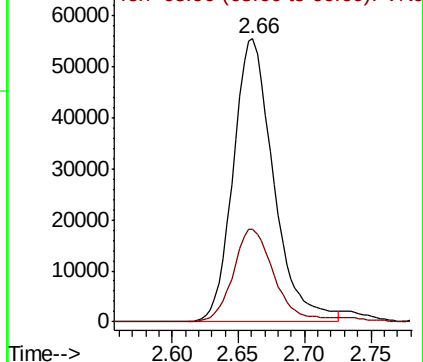
64 100

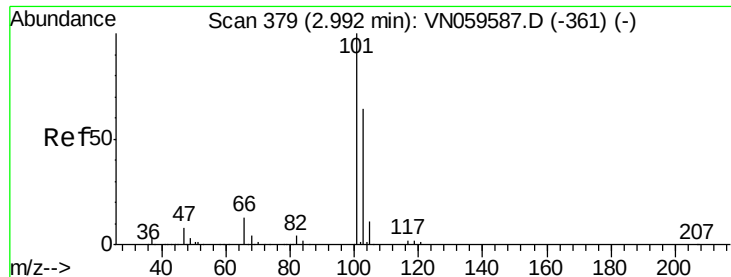
66 32.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



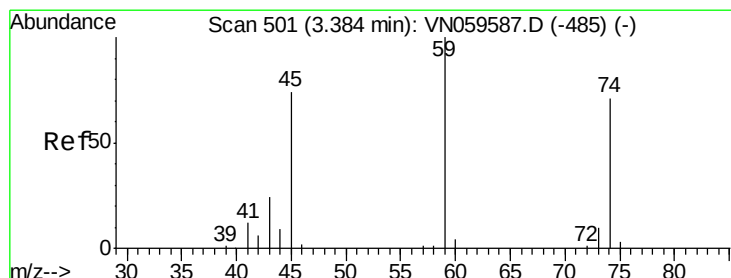
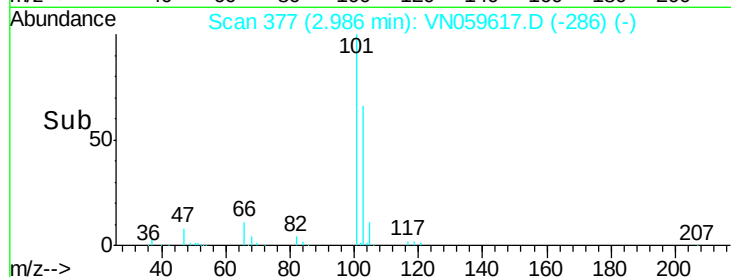
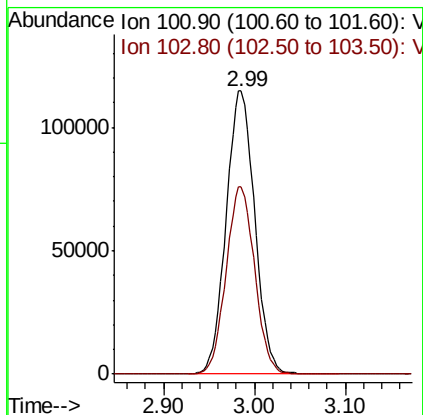
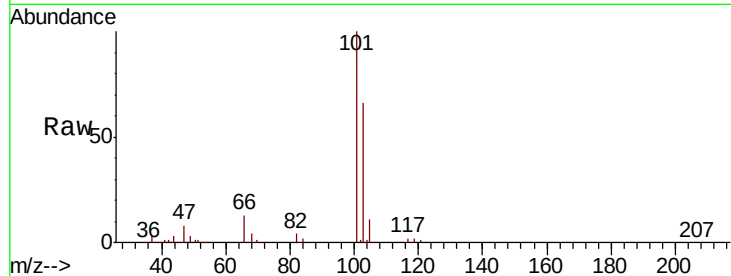


#7

Trichlorofluoromethane
 Concen: 49.548 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN059617.D
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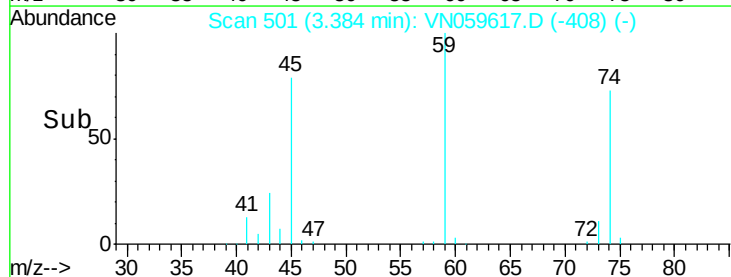
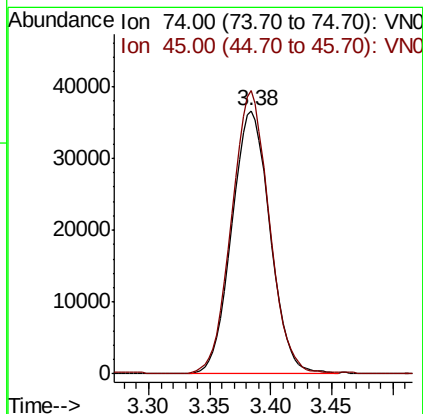
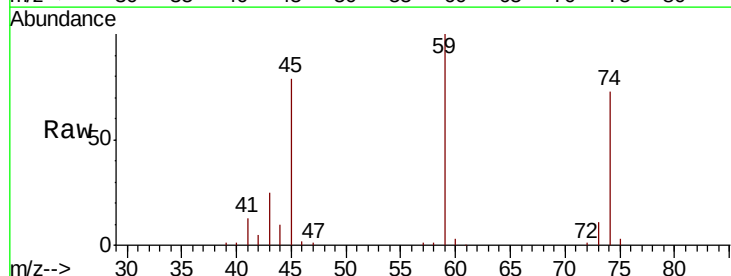
Tgt Ion:101 Resp: 250916
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.0 76.6

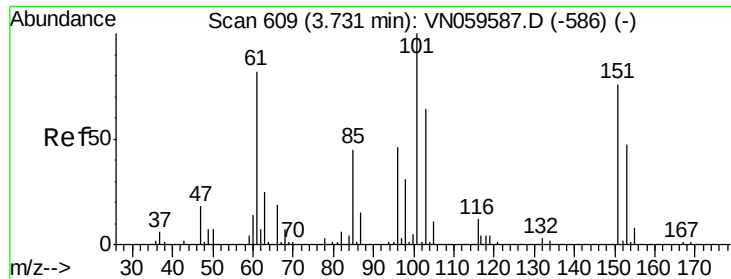


#8

Diethyl Ether
 Concen: 50.370 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 74 Resp: 79699
 Ion Ratio Lower Upper
 74 100
 45 105.6 51.9 155.8

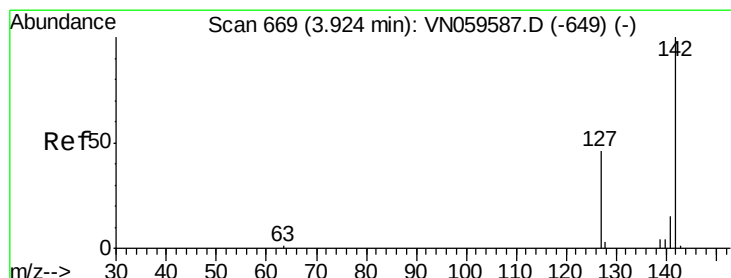
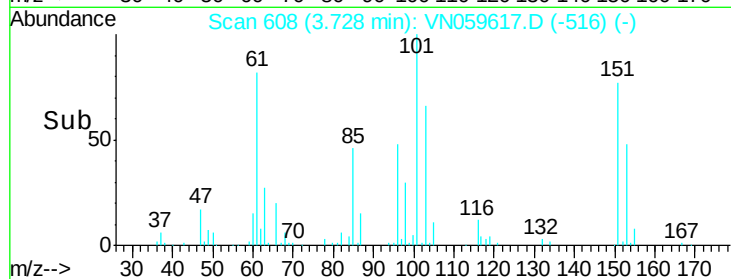
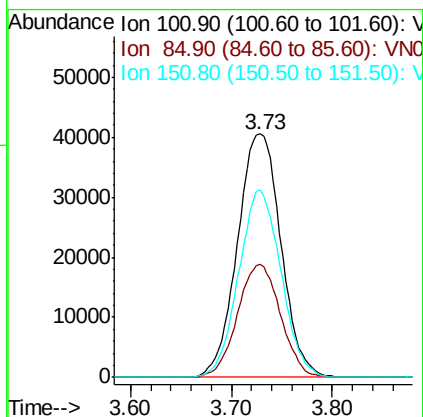
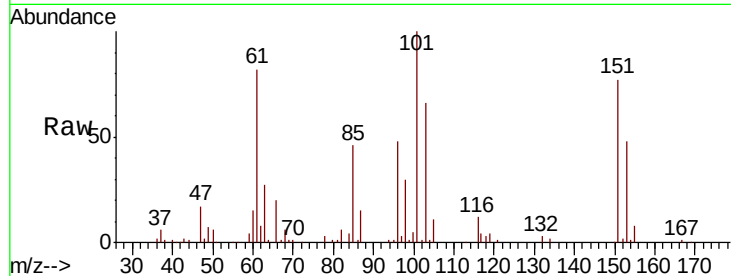




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.592 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

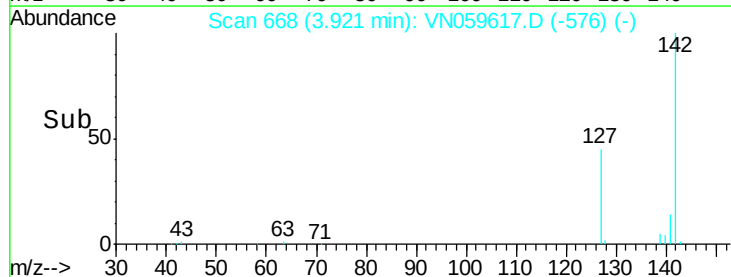
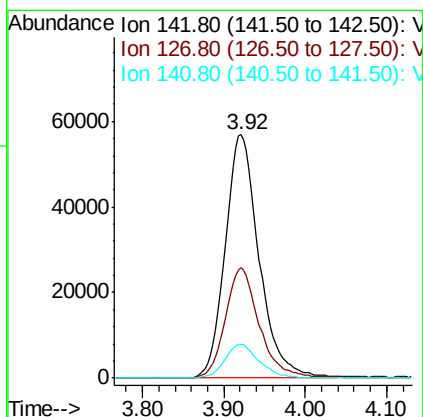
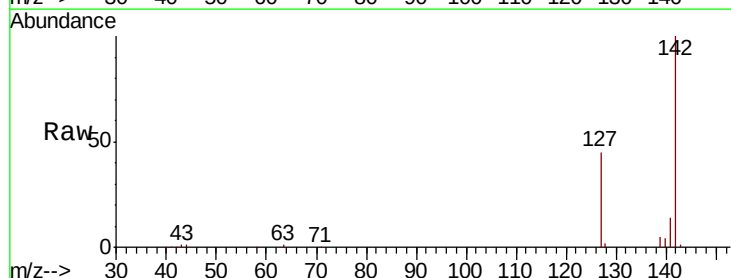
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

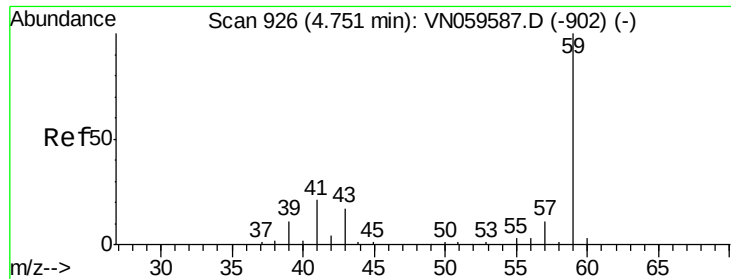
Tgt Ion:101 Resp: 121454
 Ion Ratio Lower Upper
 101 100
 85 45.8 36.6 54.8
 151 74.9 59.7 89.5



#10
 Methyl Iodide
 Concen: 48.959 ug/l
 RT: 3.92 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion:142 Resp: 165409
 Ion Ratio Lower Upper
 142 100
 127 45.2 36.7 55.1
 141 14.1 11.7 17.5

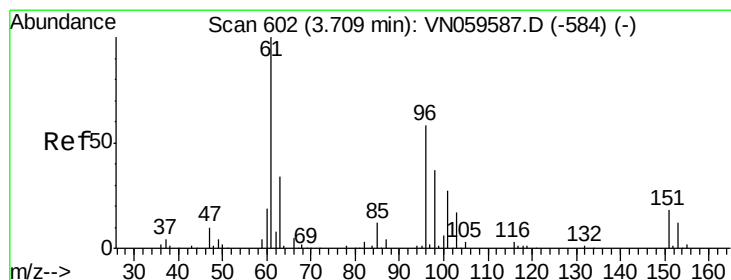
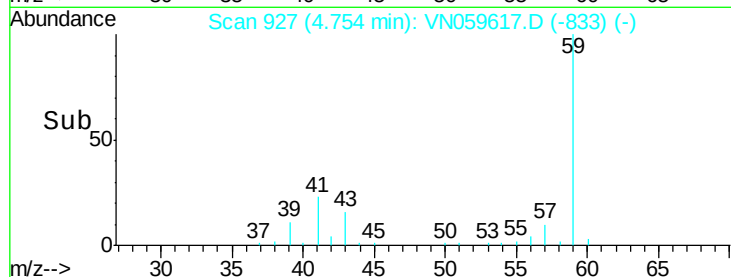
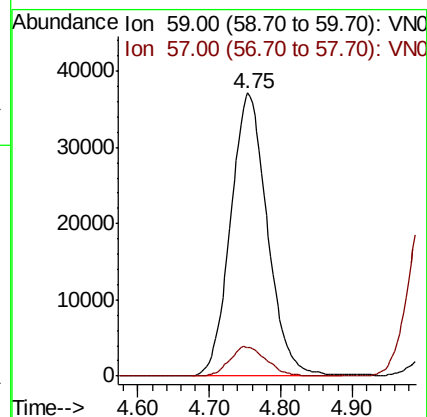
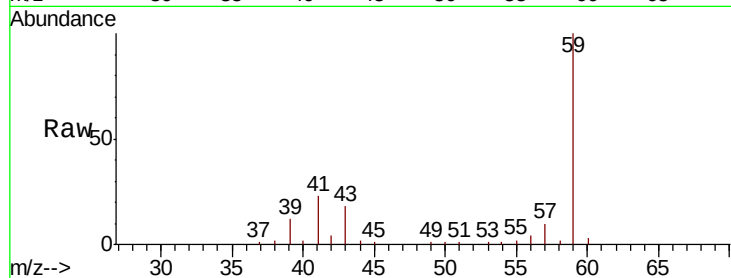




#11
Tert butyl alcohol
Concen: 210.117 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

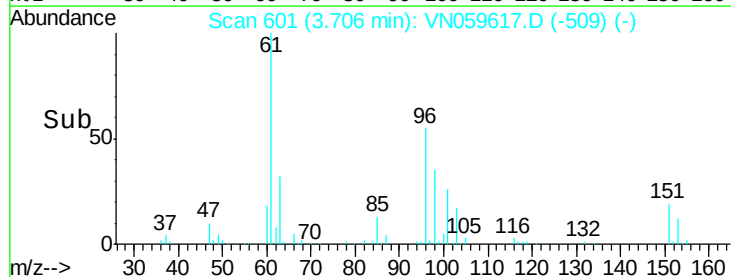
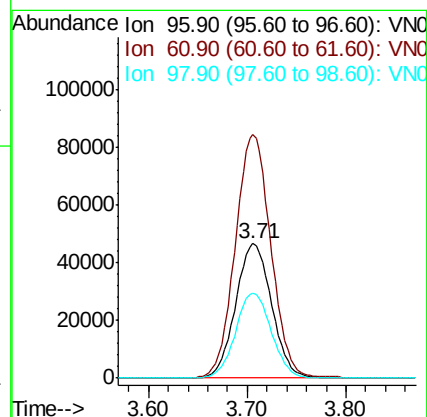
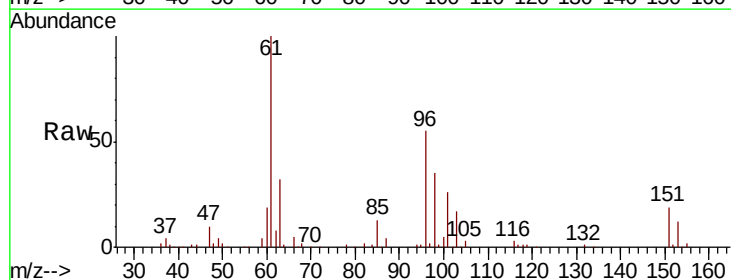
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

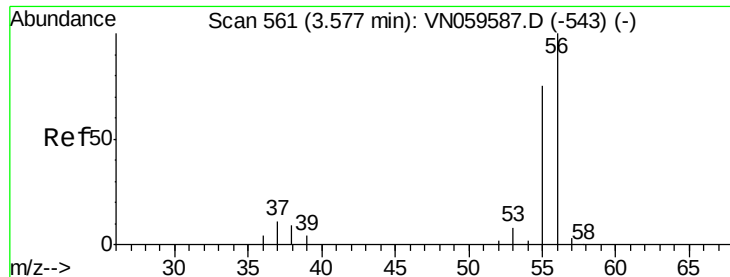
Tgt Ion: 59 Resp: 133045
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8



#12
1,1-Dichloroethene
Concen: 47.474 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 96 Resp: 118186
Ion Ratio Lower Upper
96 100
61 181.2 137.5 206.3
98 63.3 50.2 75.4





#13

Acrolein

Concen: 221.791 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

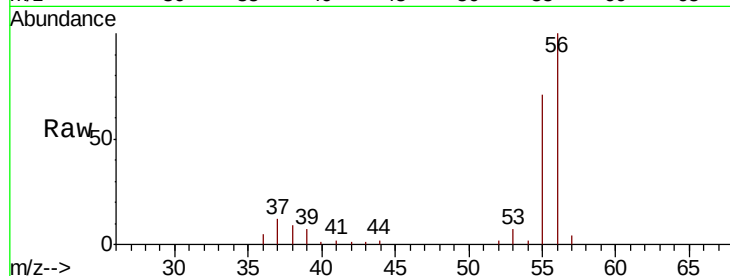
VSTDCCC050EC

Tgt Ion: 56 Resp: 100038

Ion Ratio Lower Upper

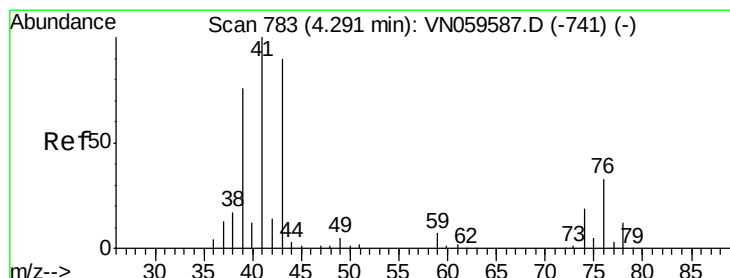
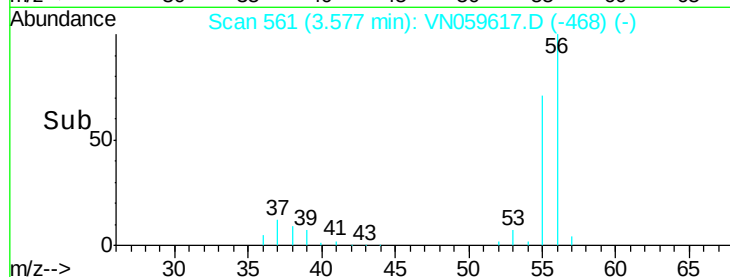
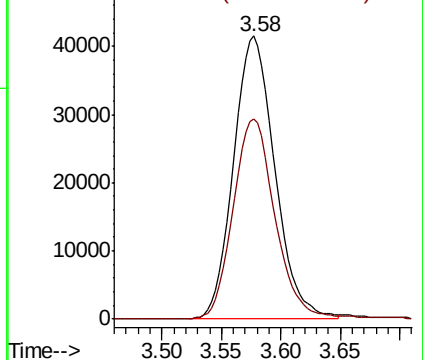
56 100

55 71.9 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.450 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

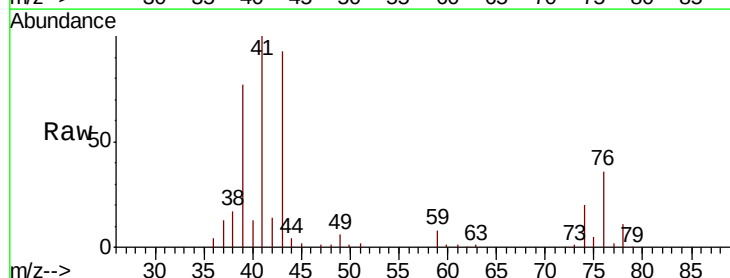
Tgt Ion: 41 Resp: 237388

Ion Ratio Lower Upper

41 100

39 71.9 57.8 86.8

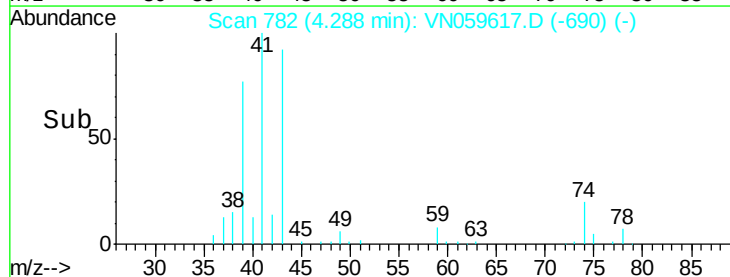
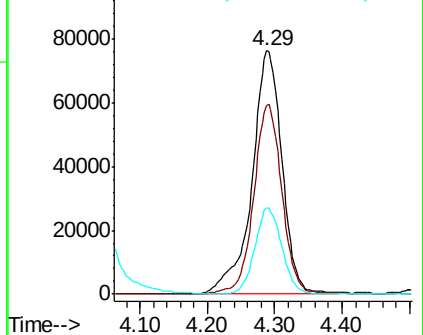
76 31.7 25.4 38.0

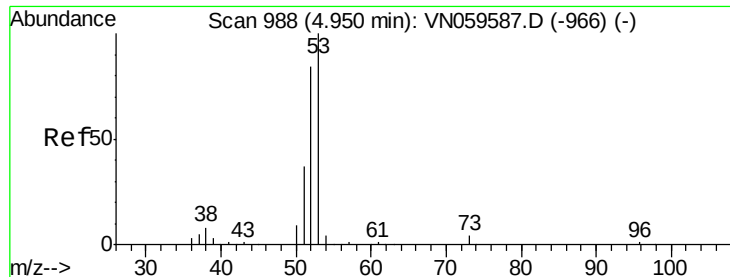


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 249.019 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

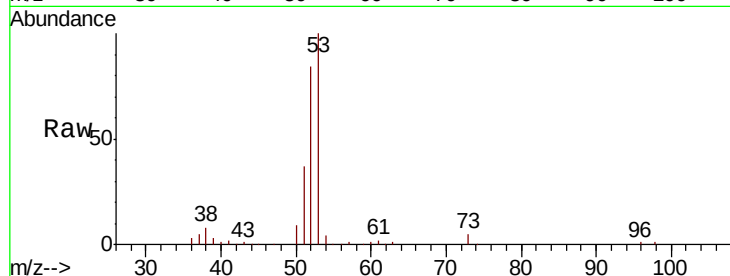
Tgt Ion: 53 Resp: 381401

Ion Ratio Lower Upper

53 100

52 82.4 66.3 99.5

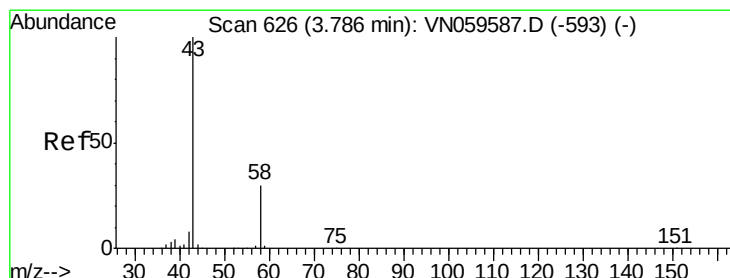
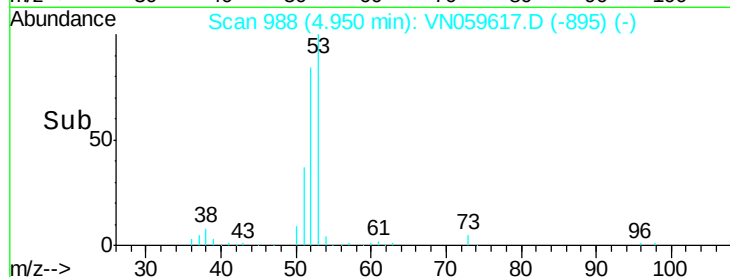
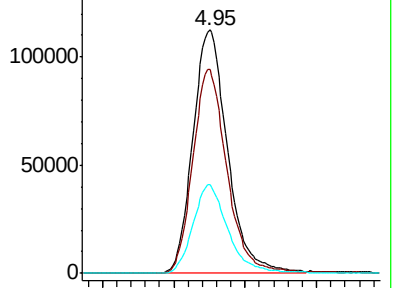
51 36.9 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059587.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059587.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059587.D (-966) (-)



#16

Acetone

Concen: 160.923 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059617.D

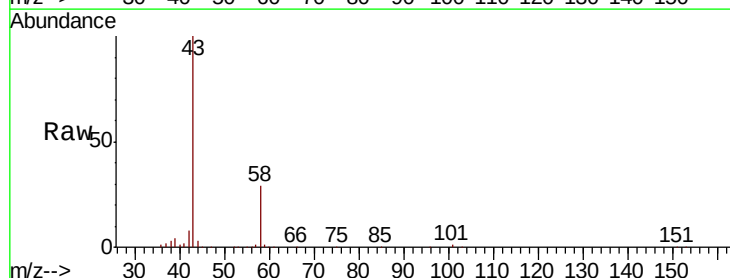
Acq: 16 Dec 2019 20:41

Tgt Ion: 43 Resp: 329981

Ion Ratio Lower Upper

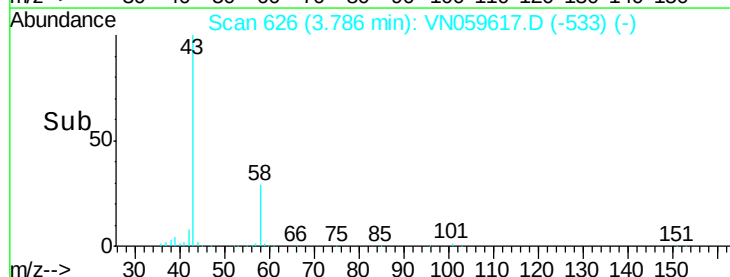
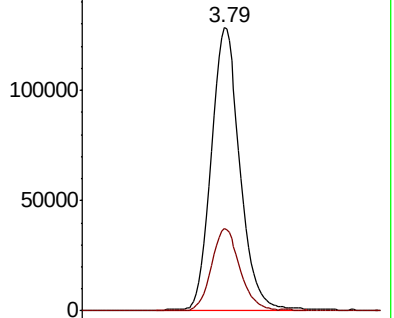
43 100

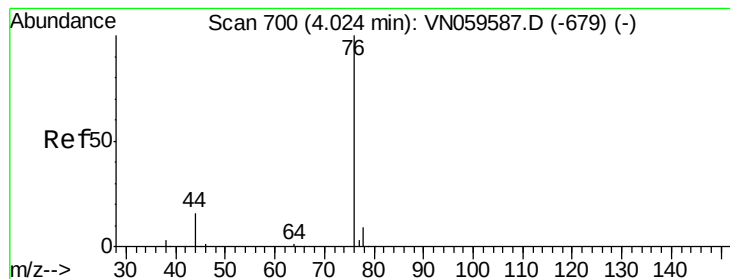
58 29.1 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)





#17

Carbon Disulfide

Concen: 43.060 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

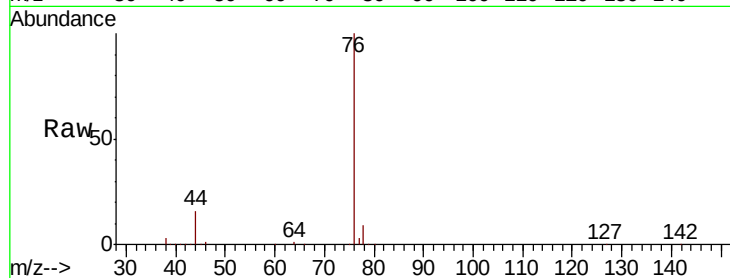
VSTDCCC050EC

Tgt Ion: 76 Resp: 368283

Ion Ratio Lower Upper

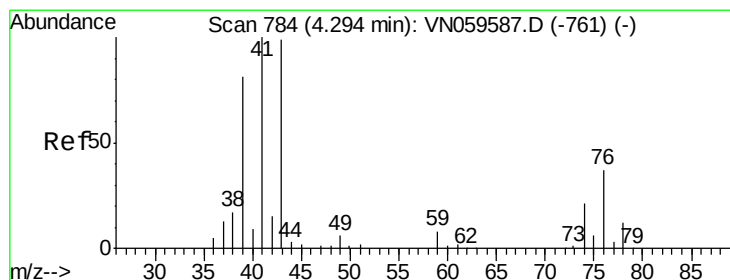
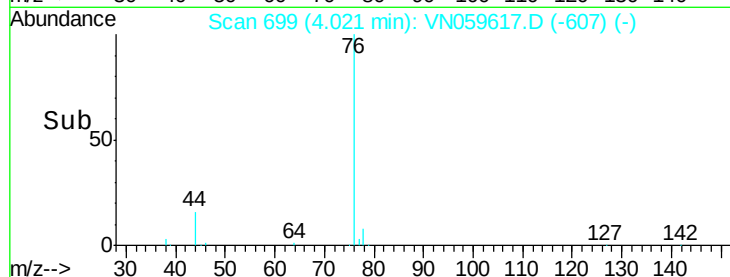
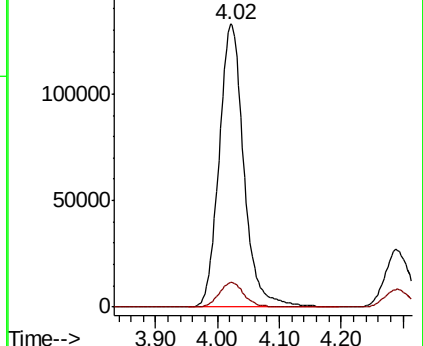
76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059617.D (-607) (-)

Ion 77.90 (77.60 to 78.60): VN059617.D (-607) (-)



#18

Methyl Acetate

Concen: 47.448 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059617.D

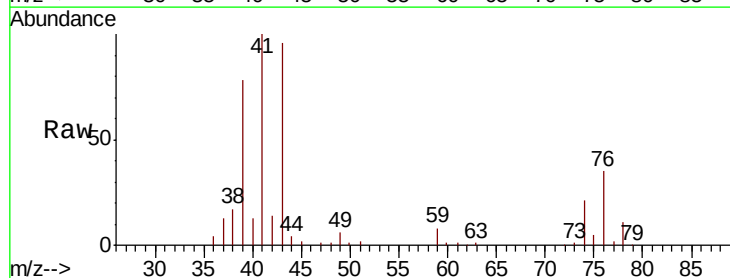
Acq: 16 Dec 2019 20:41

Tgt Ion: 43 Resp: 203874

Ion Ratio Lower Upper

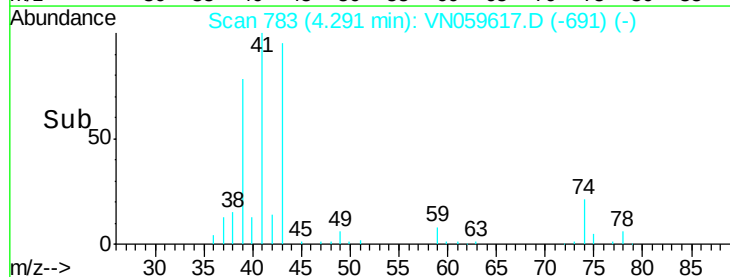
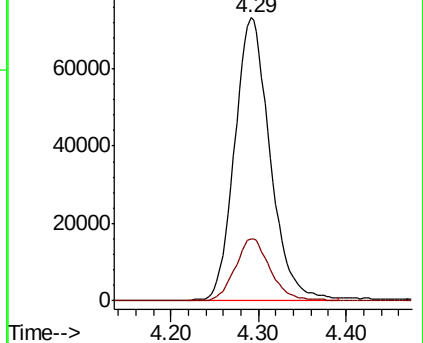
43 100

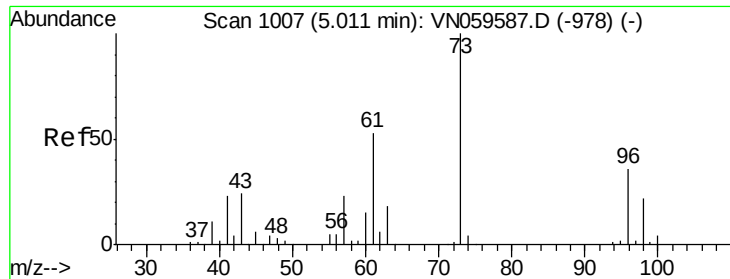
74 22.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN059617.D (-691) (-)

Ion 74.00 (73.70 to 74.70): VN059617.D (-691) (-)

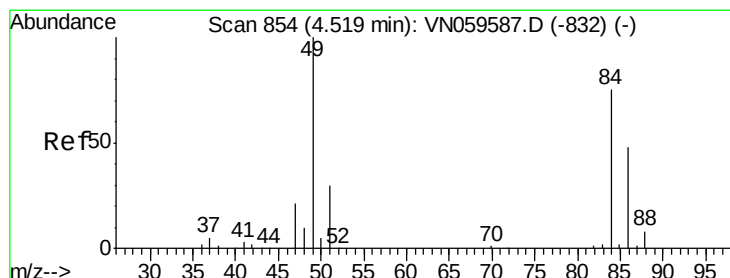
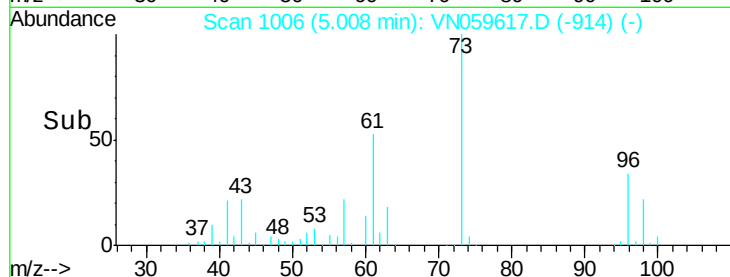
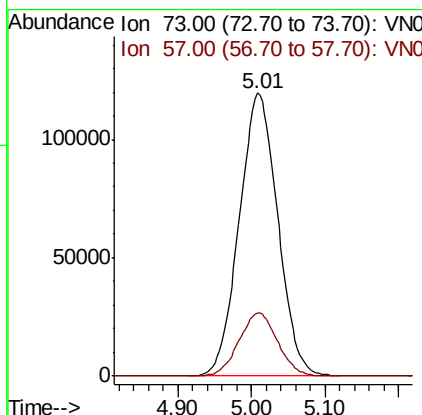
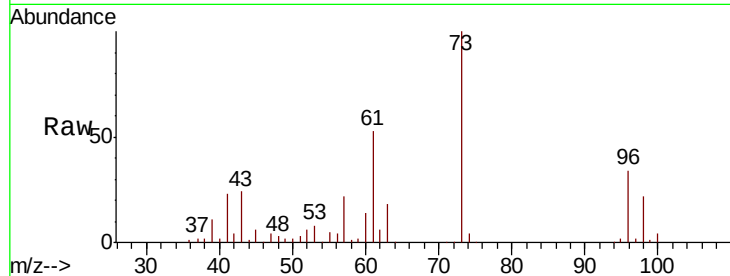




#19
Methyl tert-butyl Ether
Concen: 49.614 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

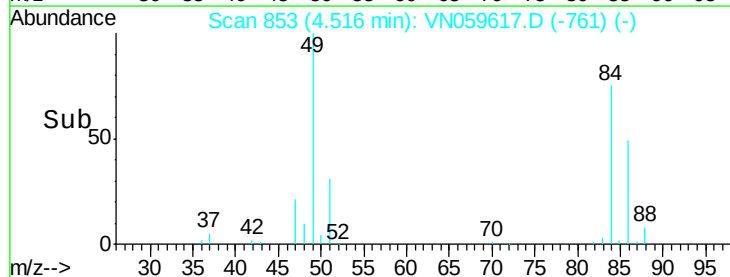
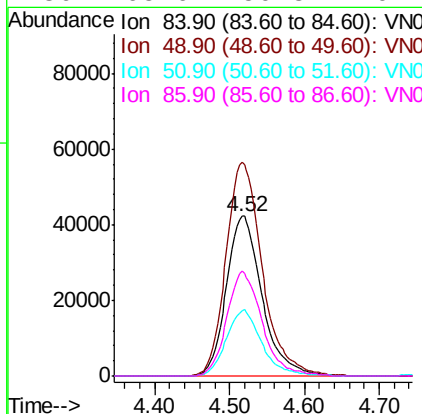
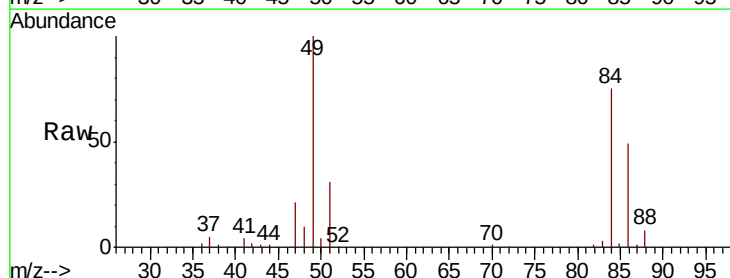
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

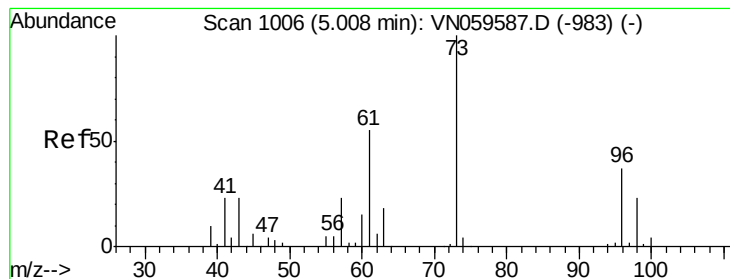
Tgt Ion: 73 Resp: 436106
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8



#20
Methylene Chloride
Concen: 47.310 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 84 Resp: 140109
Ion Ratio Lower Upper
84 100
49 133.8 106.6 160.0
51 41.0 31.9 47.9
86 65.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 47.664 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

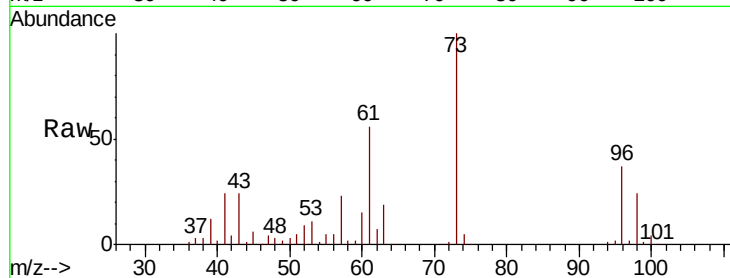
Tgt Ion: 96 Resp: 132282

Ion Ratio Lower Upper

96 100

61 150.2 120.4 180.6

98 63.8 50.6 75.8

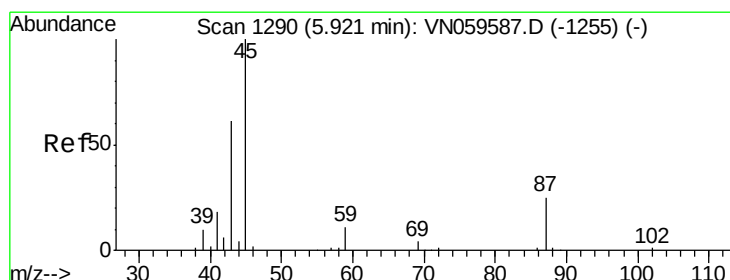
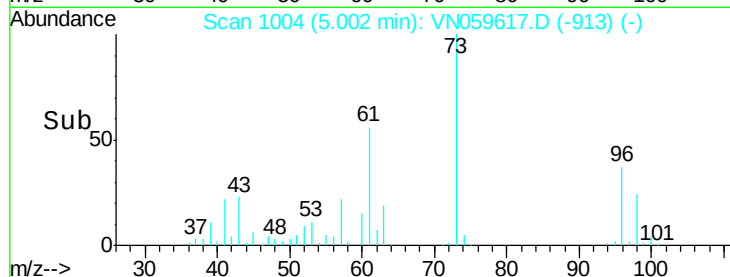
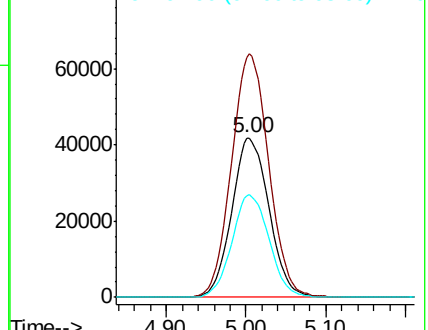


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.904 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Tgt Ion: 45 Resp: 479610

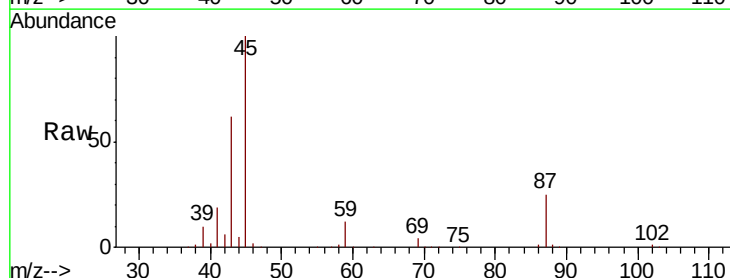
Ion Ratio Lower Upper

45 100

43 61.0 50.8 76.2

87 25.5 21.0 31.6

59 11.2 9.1 13.7



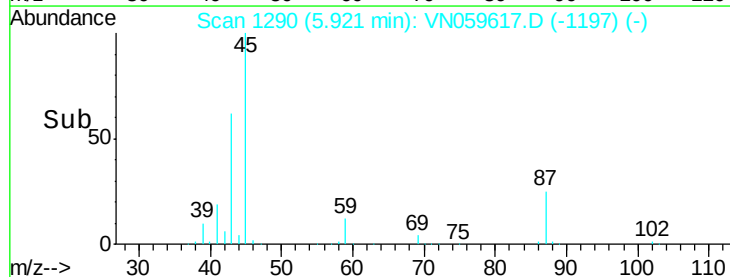
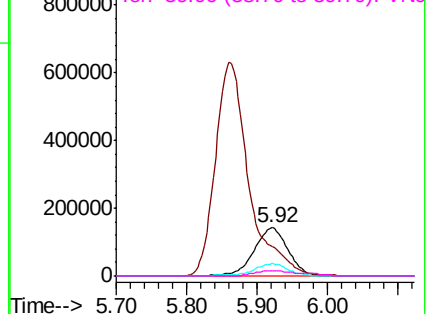
Abundance

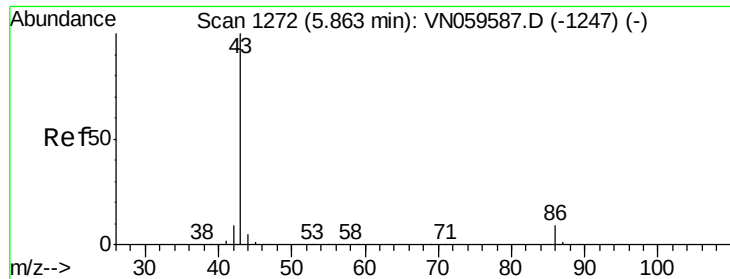
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 283.959 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

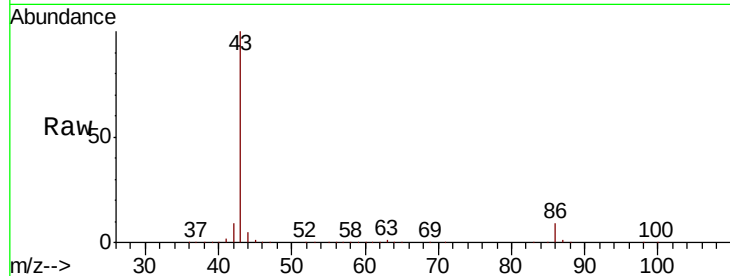
VSTDCCC050EC

Tgt Ion: 43 Resp: 2099575

Ion Ratio Lower Upper

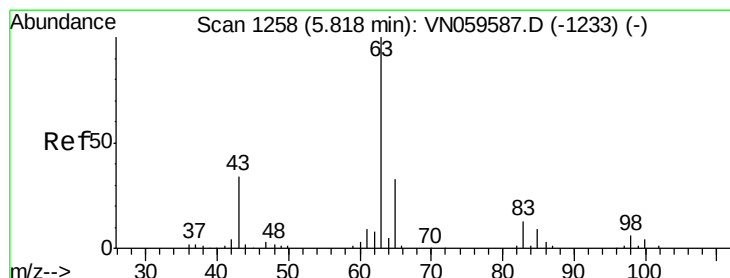
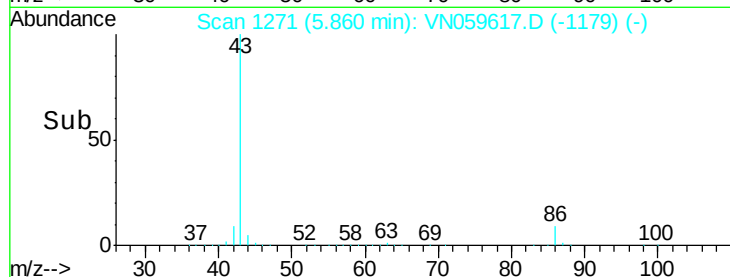
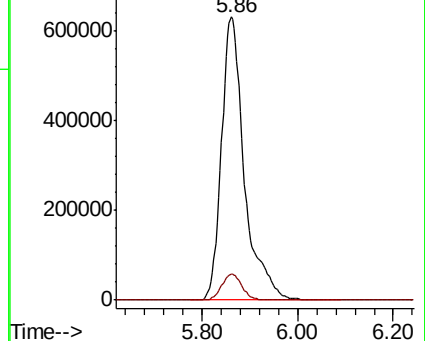
43 100

86 9.1 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.921 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

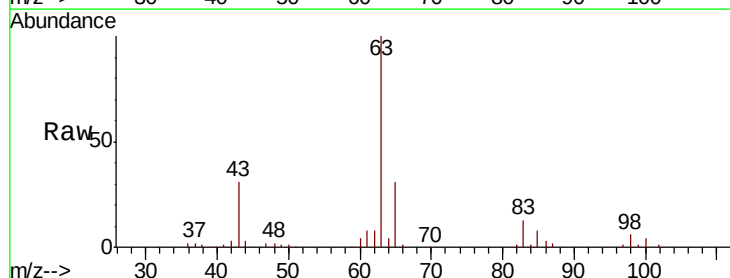
Tgt Ion: 63 Resp: 266433

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.7

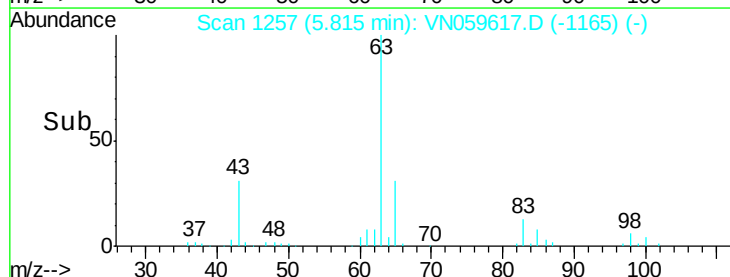
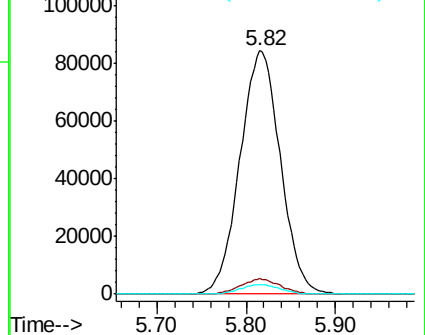
100 3.8 2.0 6.0

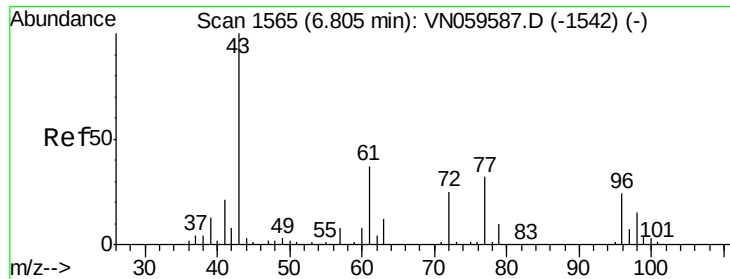


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 217.209 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

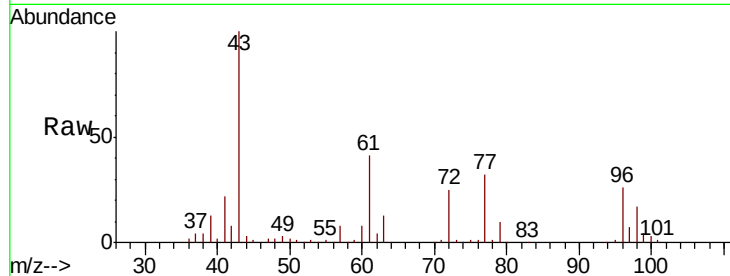
VSTDCCC050EC

Tgt Ion: 43 Resp: 532611

Ion Ratio Lower Upper

43 100

72 24.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

200000

150000

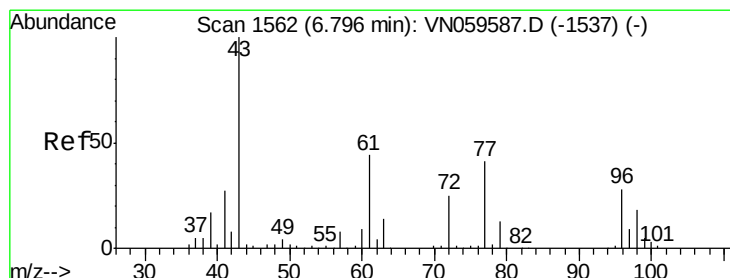
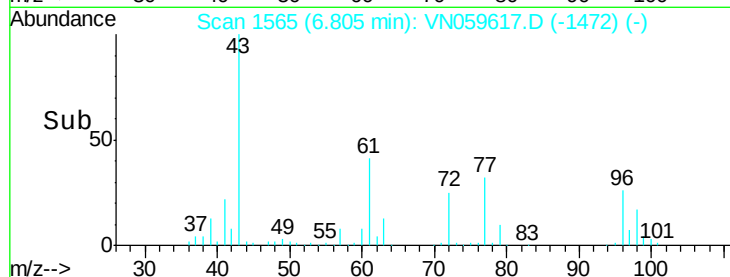
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 45.727 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059617.D

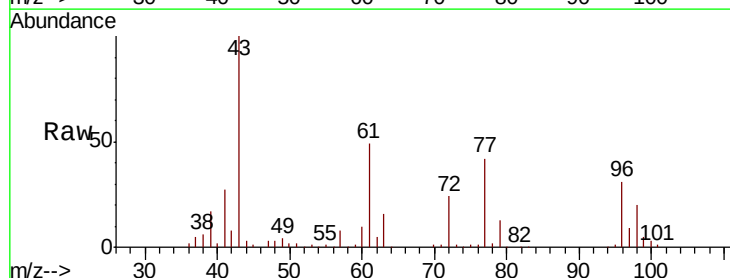
Acq: 16 Dec 2019 20:41

Tgt Ion: 77 Resp: 221807

Ion Ratio Lower Upper

77 100

97 21.8 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

80000

60000

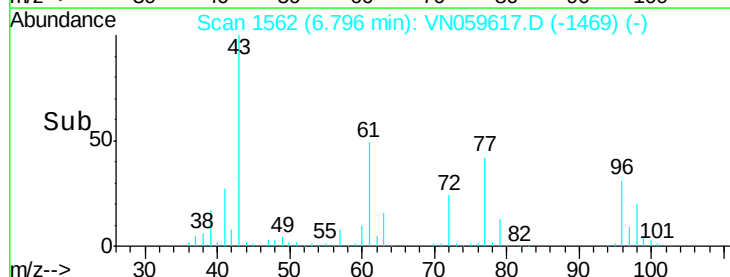
40000

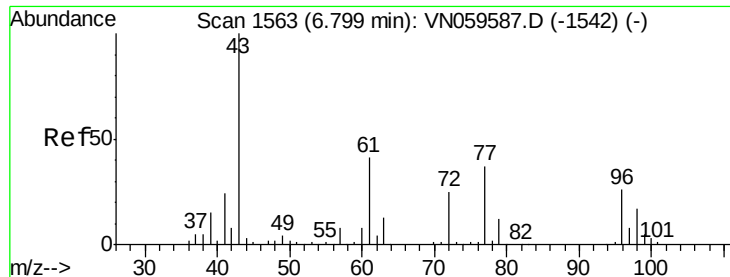
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.302 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

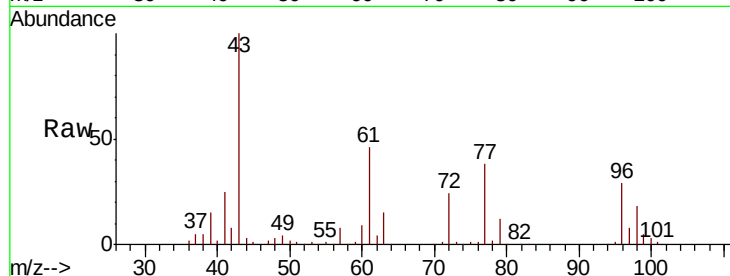
Tgt Ion: 96 Resp: 151616

Ion Ratio Lower Upper

96 100

61 159.9 0.0 317.6

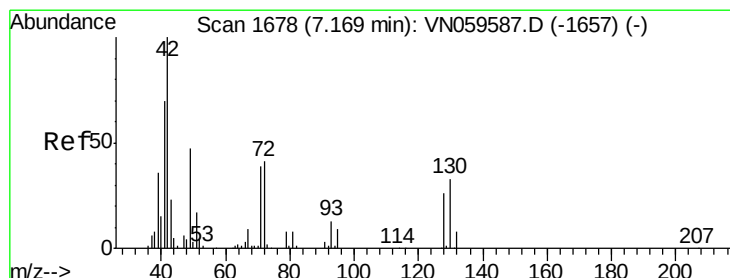
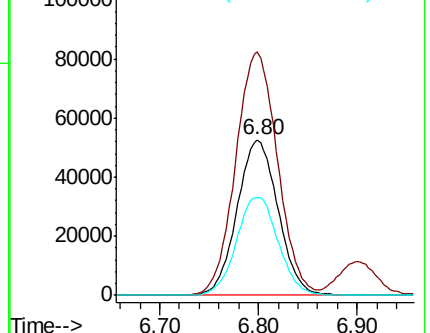
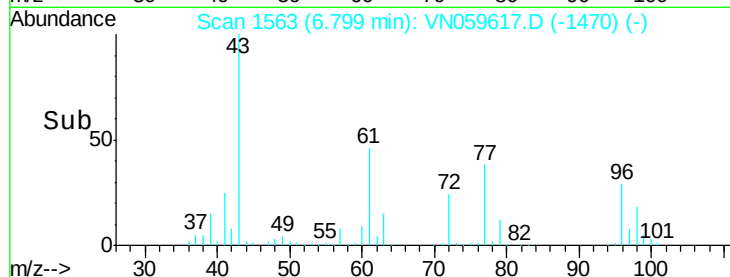
98 64.2 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059617.D (-1470) (-)

Ion 60.90 (60.60 to 61.60): VN059617.D (-1470) (-)

Ion 97.90 (97.60 to 98.60): VN059617.D (-1470) (-)



#28

Bromochloromethane

Concen: 49.108 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

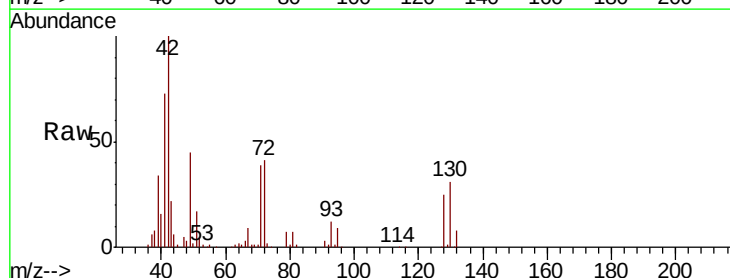
Tgt Ion: 49 Resp: 110114

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.4

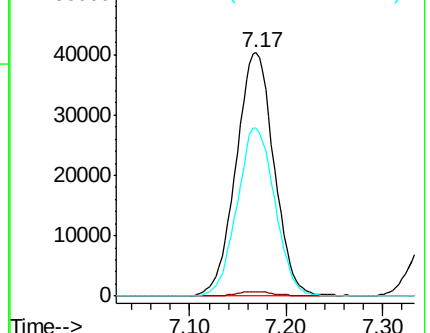
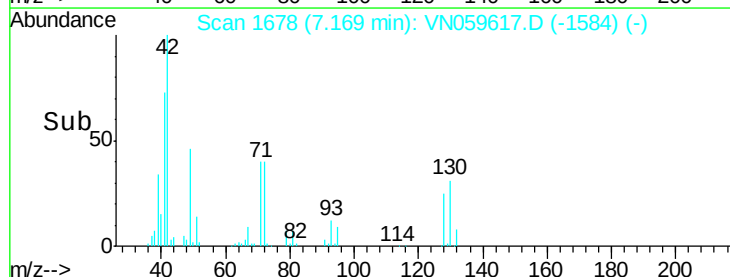
130 68.6 54.7 82.1

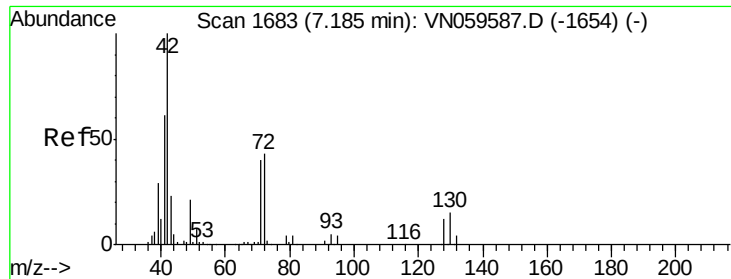


Abundance Ion 48.90 (48.60 to 49.60): VN059617.D (-1584) (-)

Ion 128.80 (128.50 to 129.50): VN059617.D (-1584) (-)

Ion 129.80 (129.50 to 130.50): VN059617.D (-1584) (-)

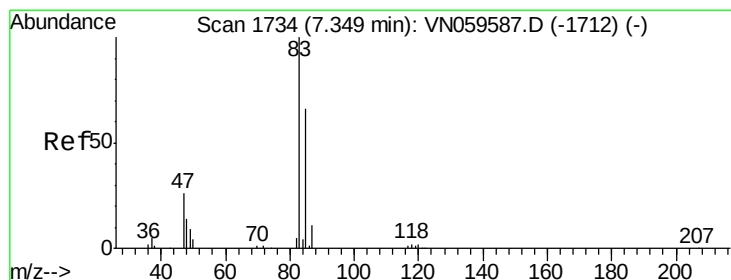
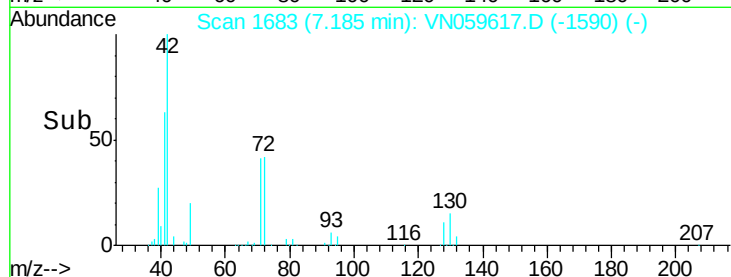
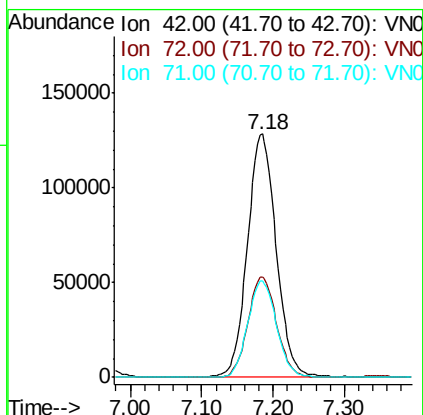
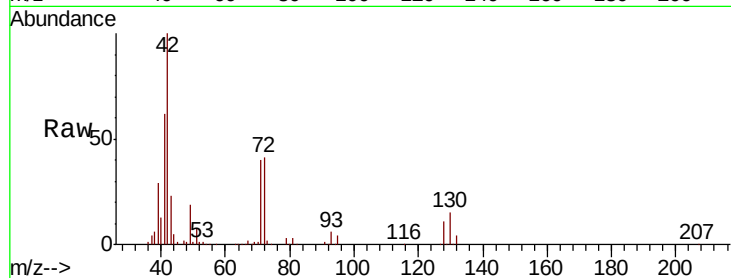




#29
Tetrahydrofuran
Concen: 241.398 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

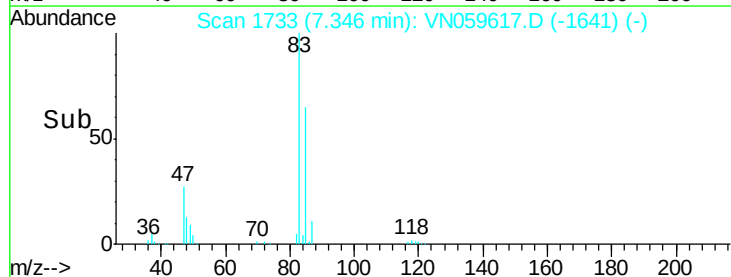
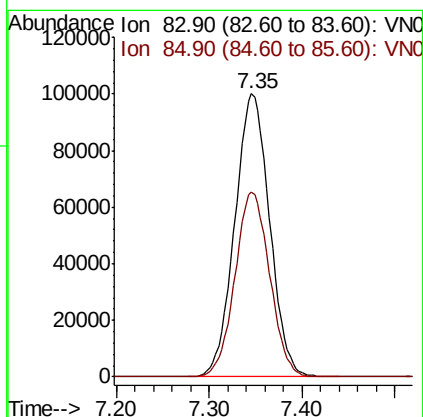
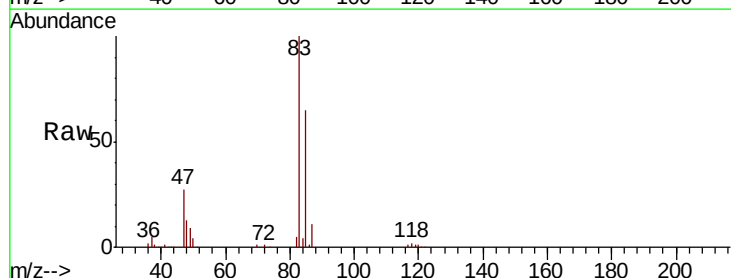
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

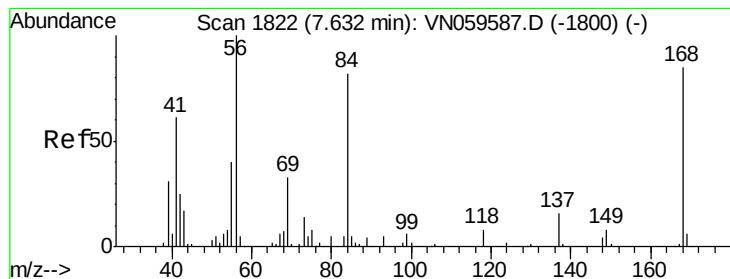
Tgt Ion: 42 Resp: 360650
Ion Ratio Lower Upper
42 100
72 41.0 33.1 49.7
71 39.5 31.4 47.0



#30
Chloroform
Concen: 49.631 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 83 Resp: 260732
Ion Ratio Lower Upper
83 100
85 65.4 52.4 78.6





#31

Cyclohexane

Concen: 47.560 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

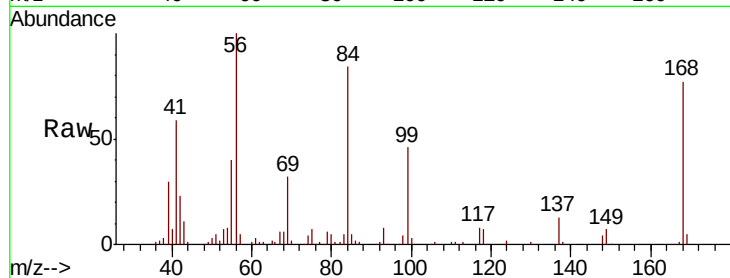
Tgt Ion: 56 Resp: 239842

Ion Ratio Lower Upper

56 100

69 32.1 26.5 39.7

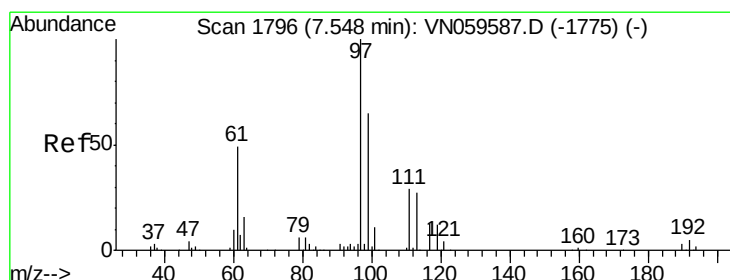
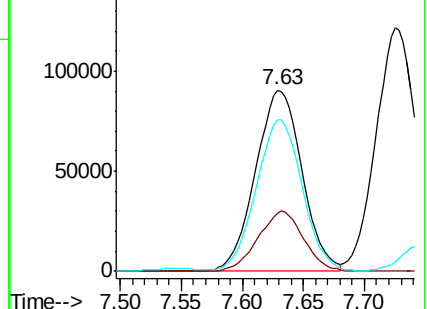
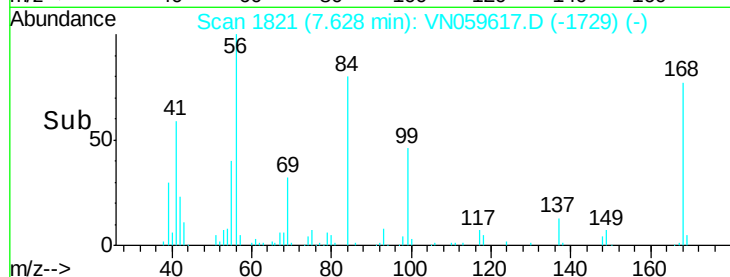
84 82.5 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN059617.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN059617.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN059617.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 48.412 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

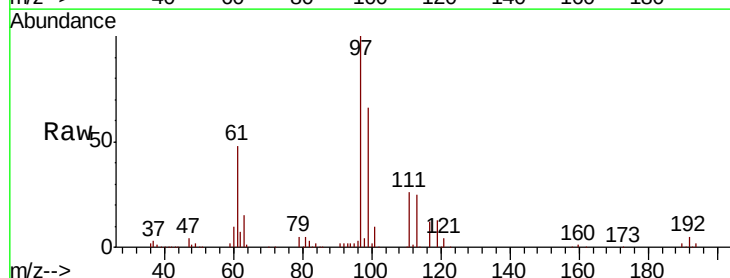
Tgt Ion: 97 Resp: 229292

Ion Ratio Lower Upper

97 100

99 64.6 51.0 76.4

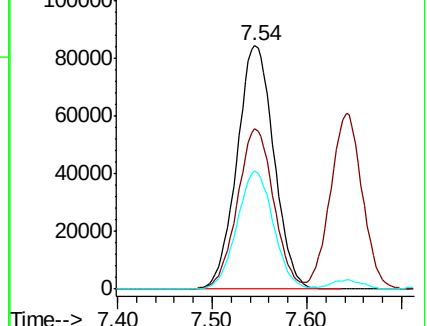
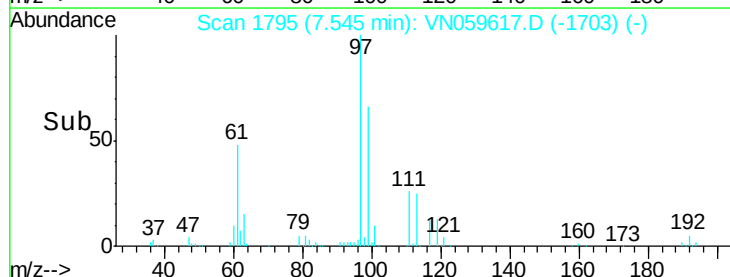
61 47.7 38.5 57.7

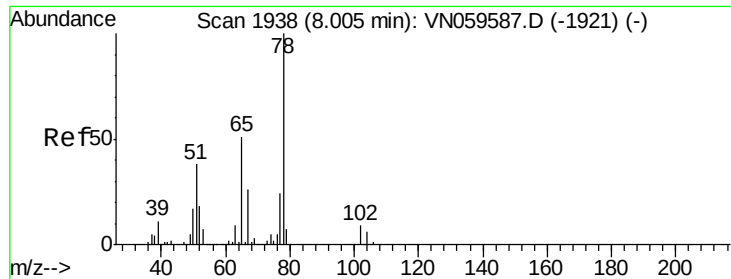


Abundance Ion 96.90 (96.60 to 97.60): VN059617.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN059617.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN059617.D (-1703) (-)

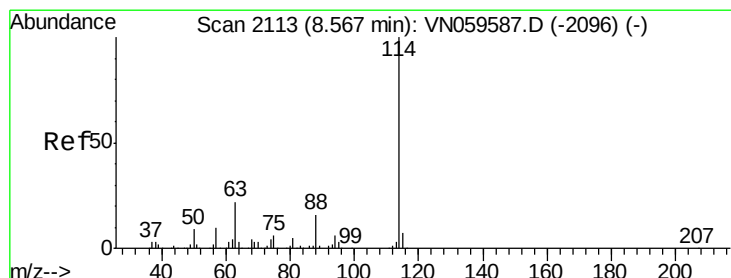
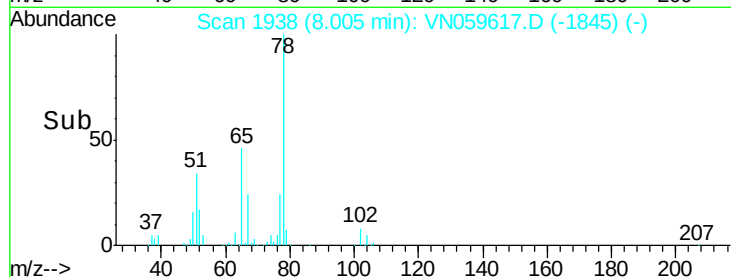
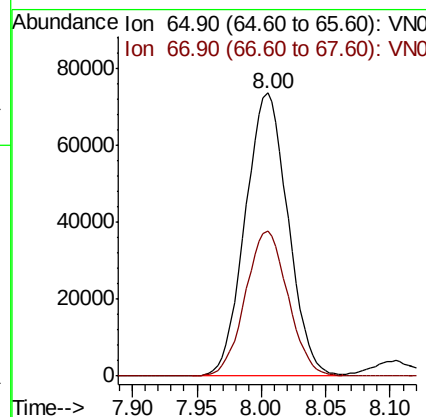
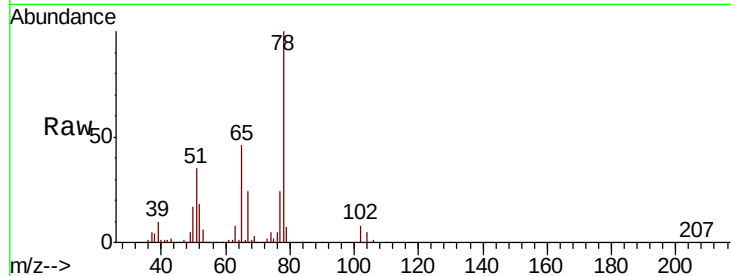




#33
 1,2-Dichloroethane-d4
 Concen: 49.440 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

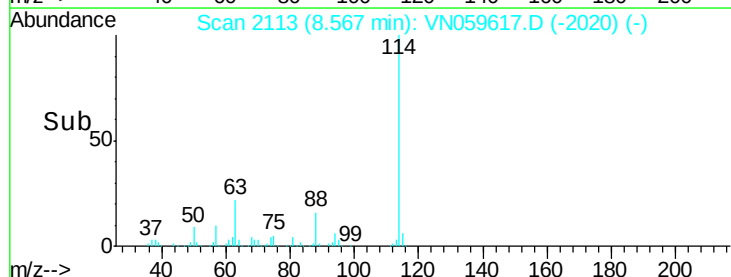
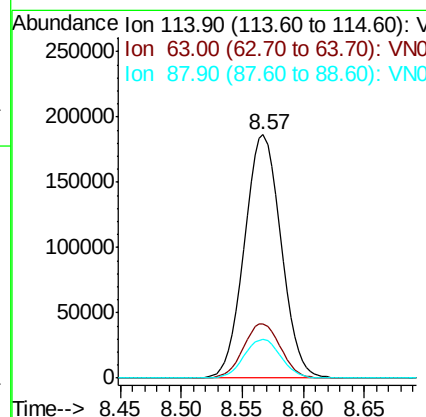
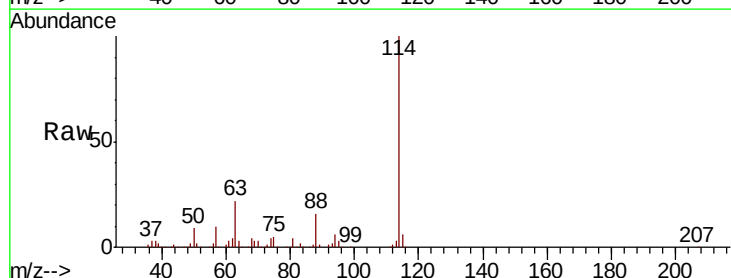
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

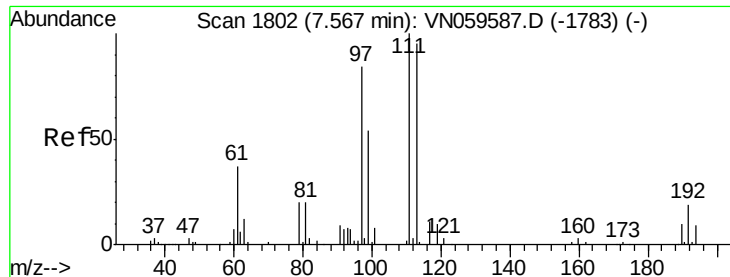
Tgt Ion: 65 Resp: 170755
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 114 Resp: 386953
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.6
 88 15.9 0.0 31.4

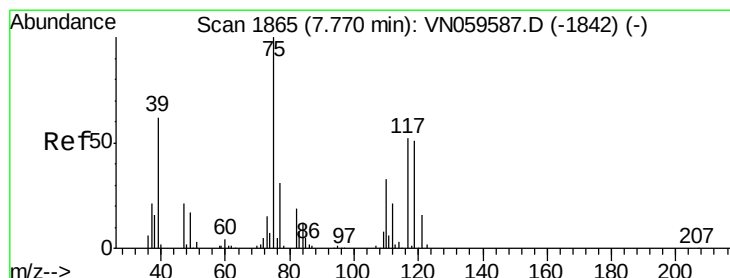
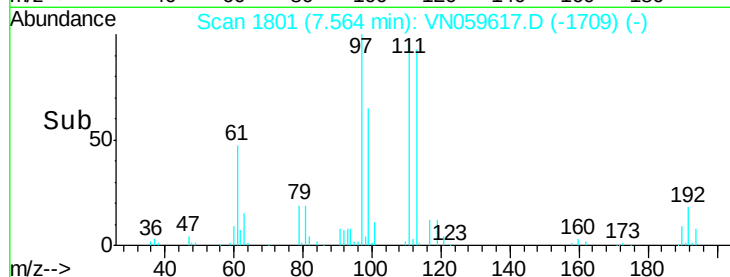
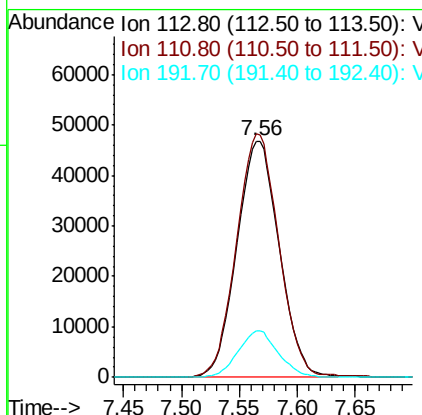
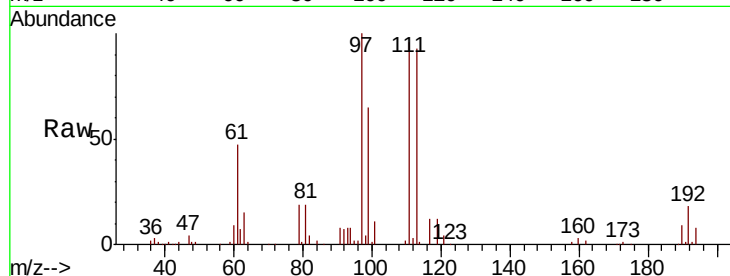




#35
 Dibromofluoromethane
 Concen: 49.144 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

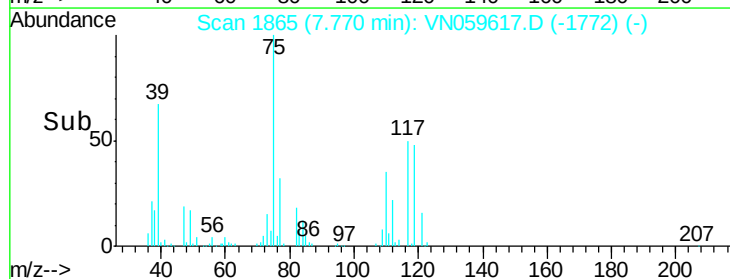
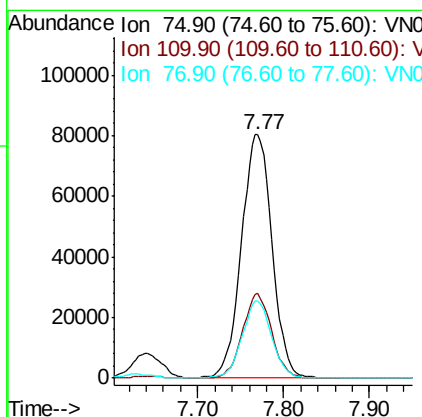
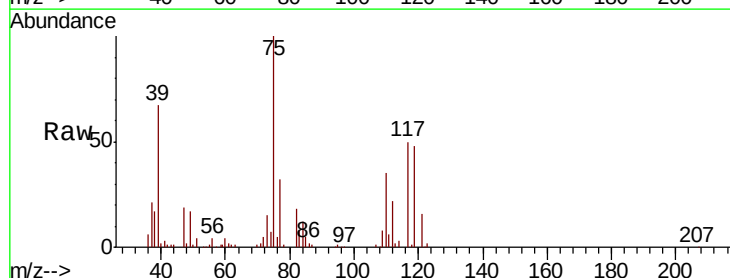
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

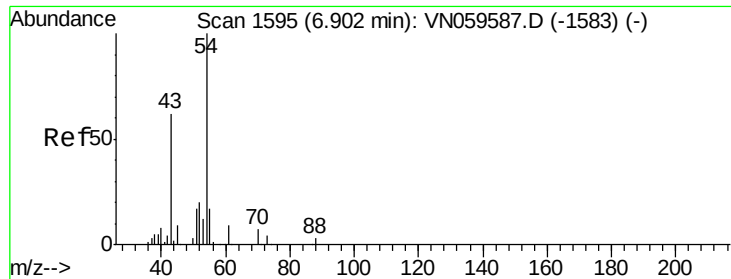
Tgt Ion: 113 Resp: 118984
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.5 125.3
 192 18.6 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 49.316 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 75 Resp: 199008
 Ion Ratio Lower Upper
 75 100
 110 32.9 16.6 49.7
 77 30.7 25.1 37.7

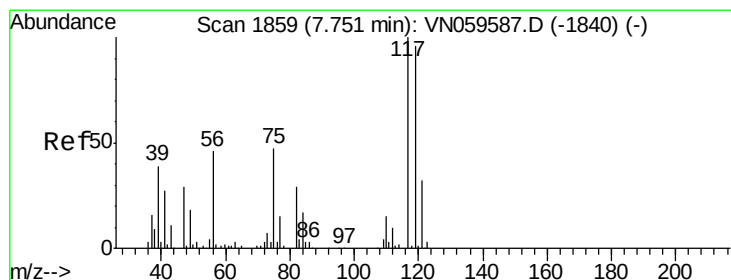
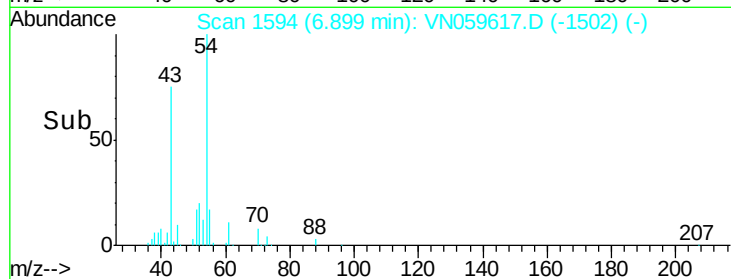
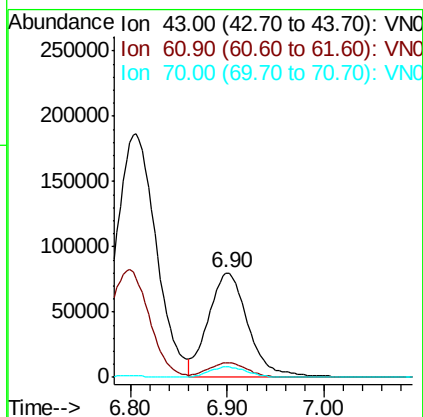
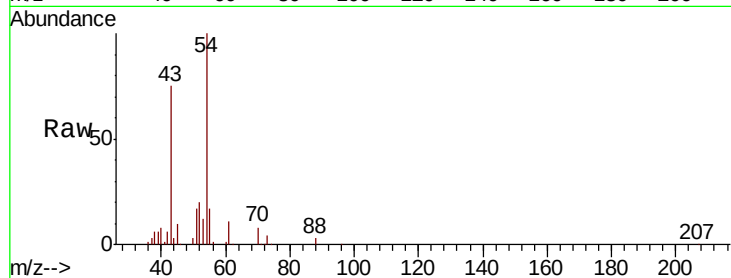




#37
Ethyl Acetate
Concen: 48.005 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

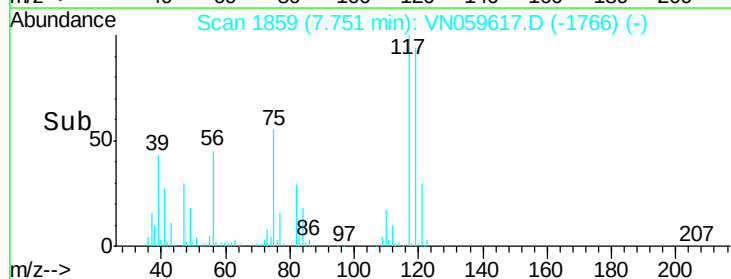
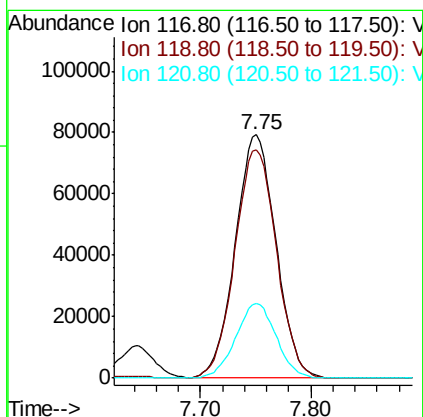
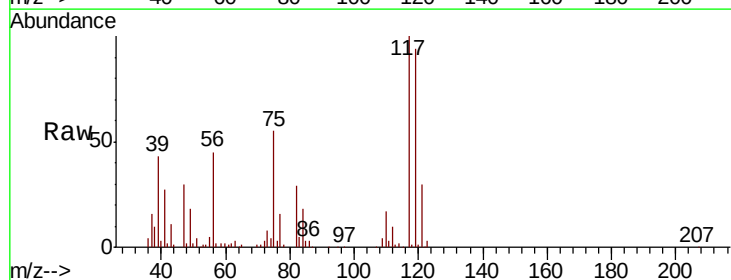
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

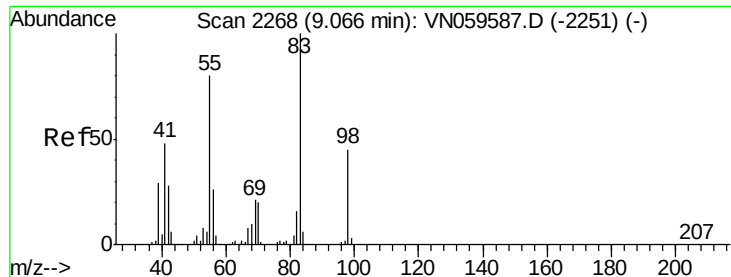
Tgt Ion: 43 Resp: 225153
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 9.8 7.7 11.5



#38
Carbon Tetrachloride
Concen: 48.379 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 117 Resp: 202583
Ion Ratio Lower Upper
117 100
119 93.7 76.5 114.7
121 30.5 25.1 37.7

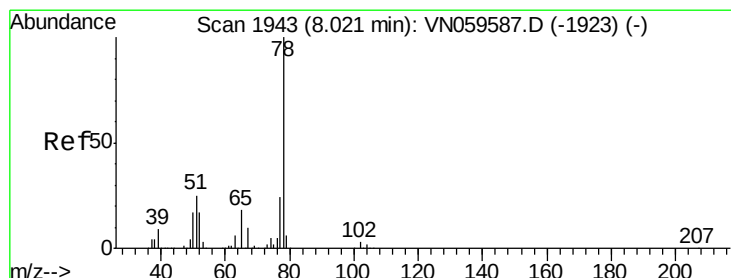
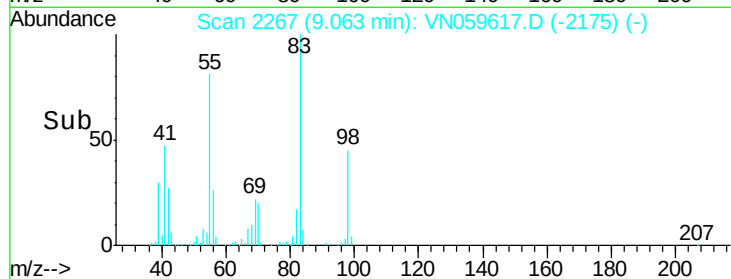
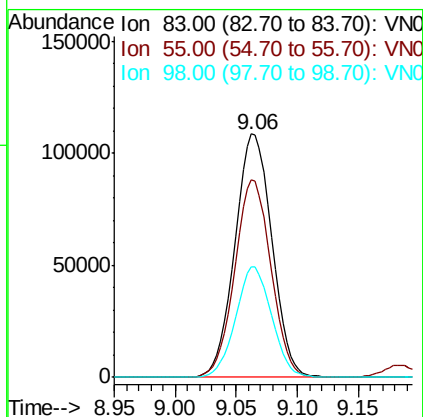
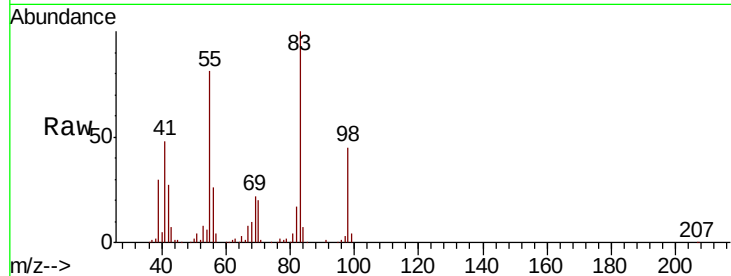




#39
Methylcyclohexane
Concen: 49.763 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

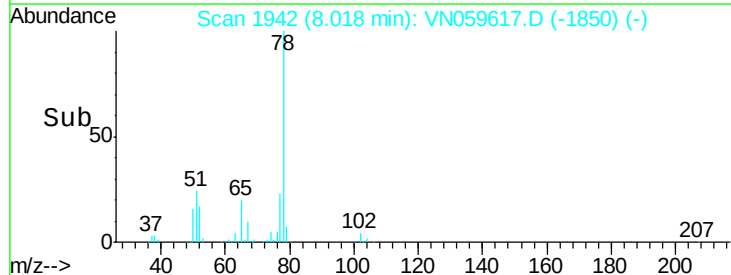
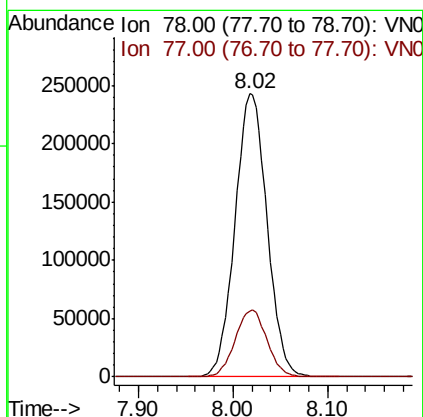
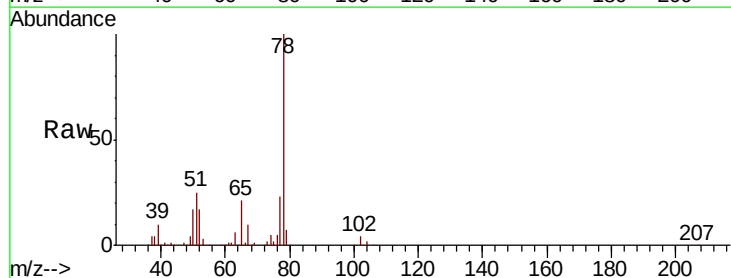
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

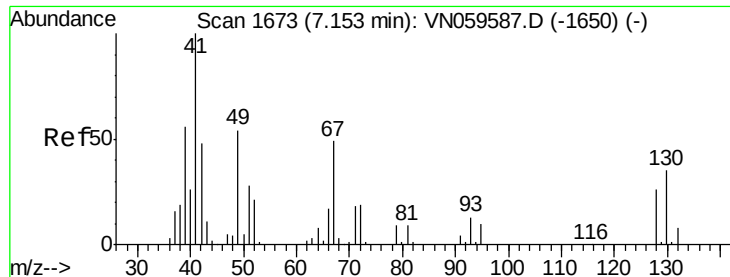
Tgt Ion: 83 Resp: 227777
Ion Ratio Lower Upper
83 100
55 81.2 64.2 96.2
98 45.4 35.9 53.9



#40
Benzene
Concen: 48.441 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 78 Resp: 571255
Ion Ratio Lower Upper
78 100
77 23.4 18.9 28.3

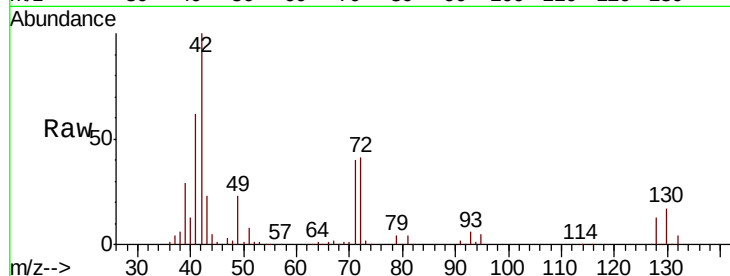




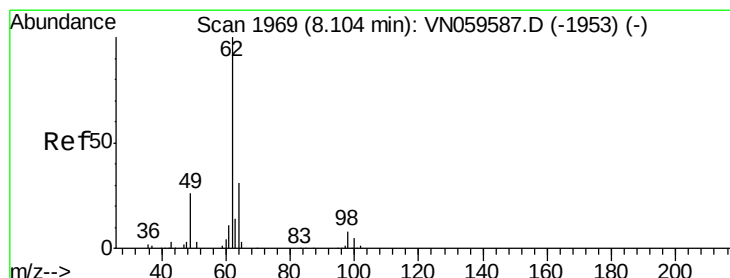
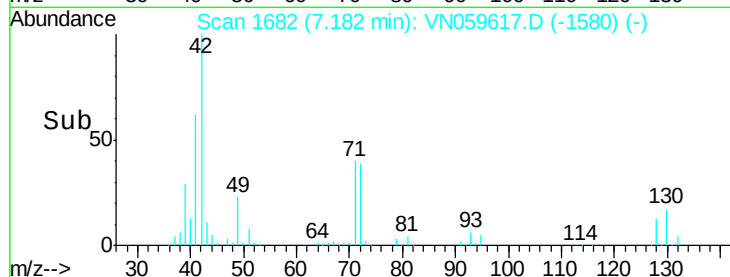
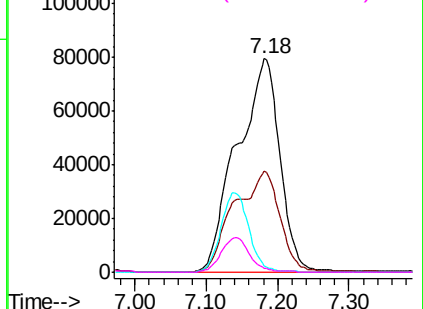
#41
Methacrylonitrile
Concen: 170.690 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:	41	Resp:	330392
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

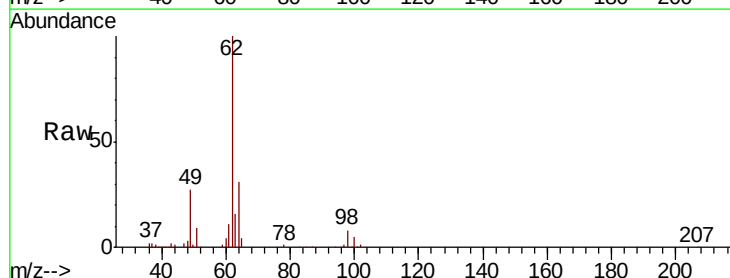


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

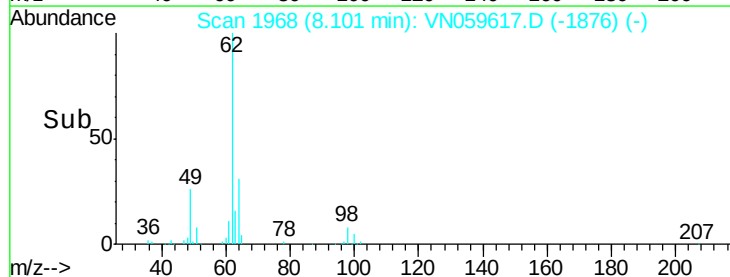
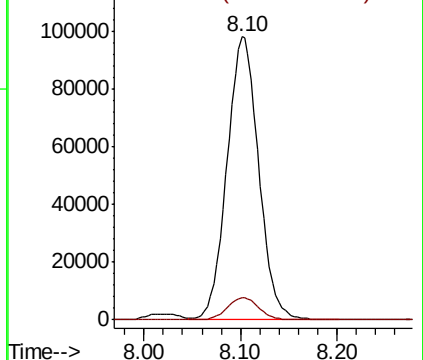


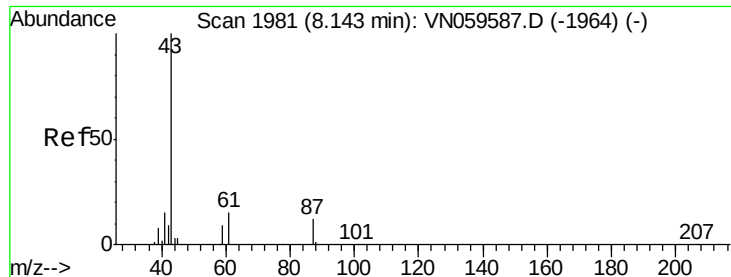
#42
1,2-Dichloroethane
Concen: 49.534 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion:	62	Resp:	223707
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 49.511 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

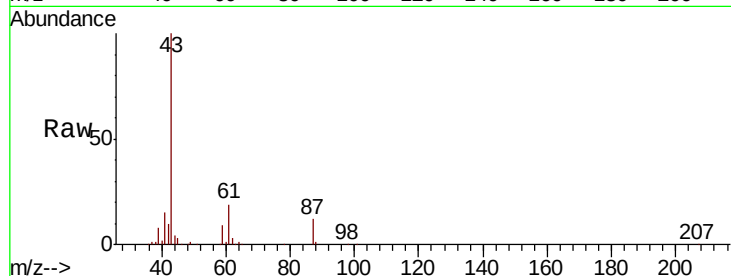
Tgt Ion: 43 Resp: 361031

Ion Ratio Lower Upper

43 100

61 25.2 20.2 30.2

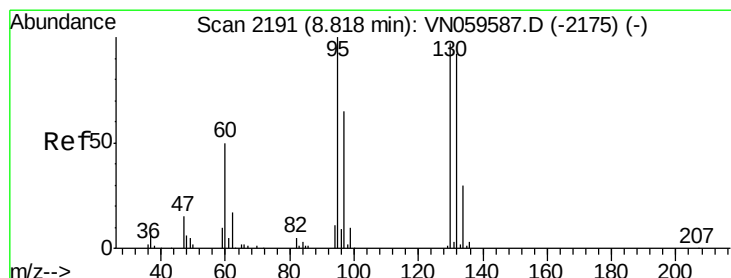
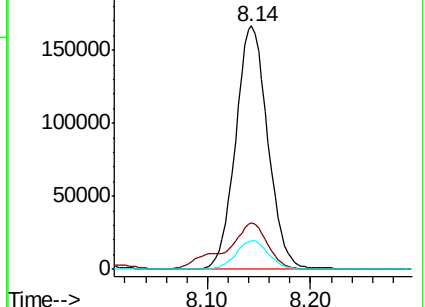
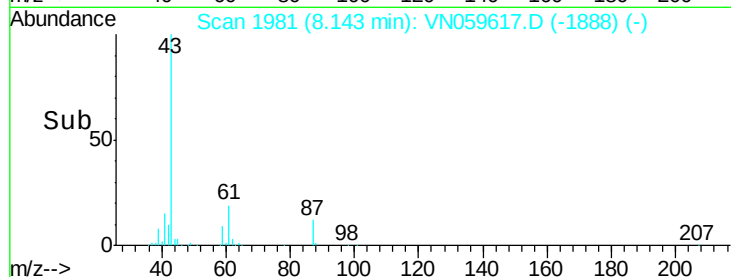
87 11.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059617.D (-1888) (-)

Ion 61.00 (60.70 to 61.70): VN059617.D (-1888) (-)

Ion 87.00 (86.70 to 87.70): VN059617.D (-1888) (-)



#44

Trichloroethene

Concen: 46.983 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059617.D

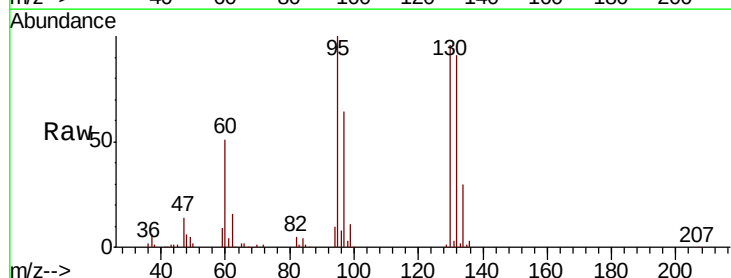
Acq: 16 Dec 2019 20:41

Tgt Ion: 130 Resp: 145129

Ion Ratio Lower Upper

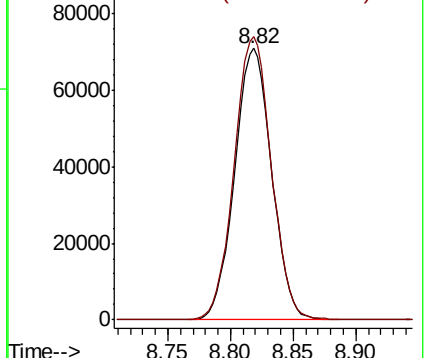
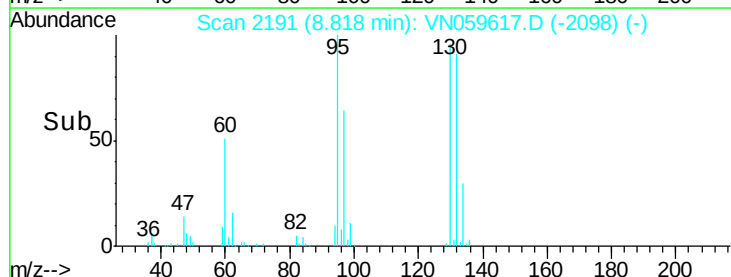
130 100

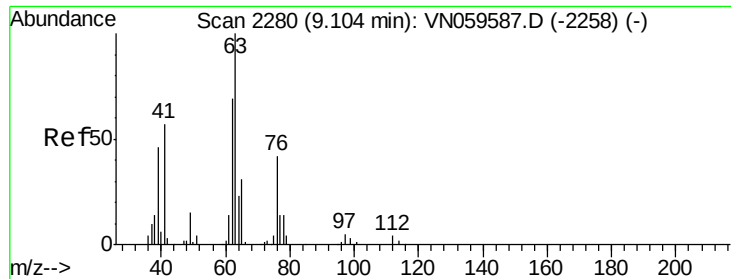
95 104.1 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059617.D (-2098) (-)

Ion 94.90 (94.60 to 95.60): VN059617.D (-2098) (-)

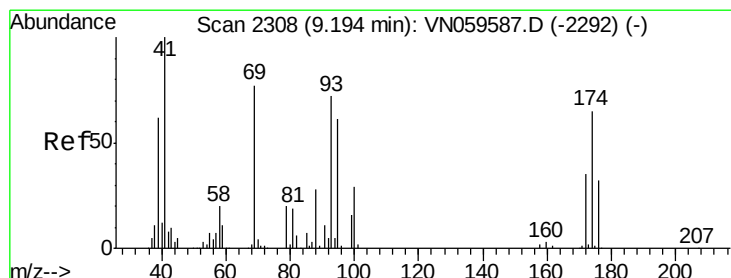
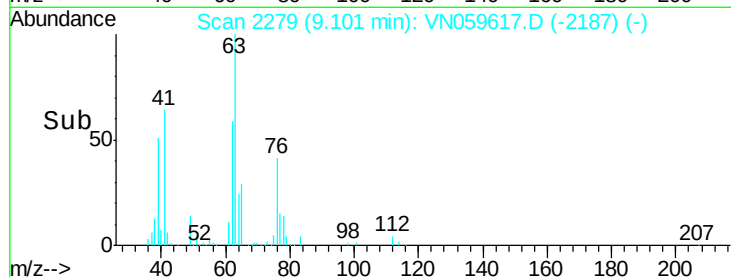
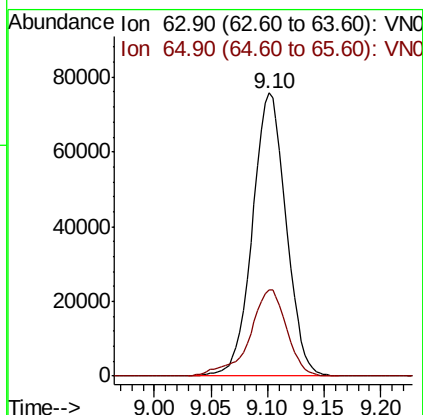
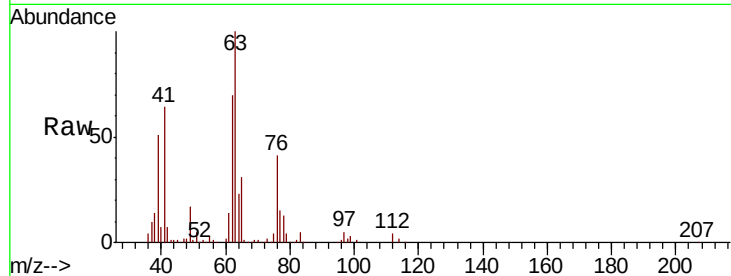




#45
 1,2-Dichloropropane
 Concen: 49.214 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

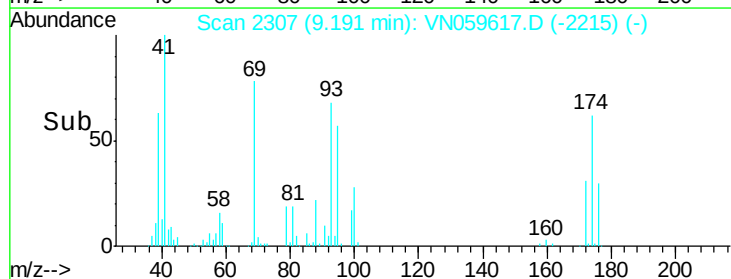
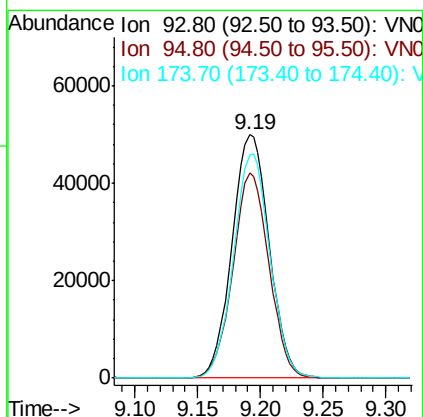
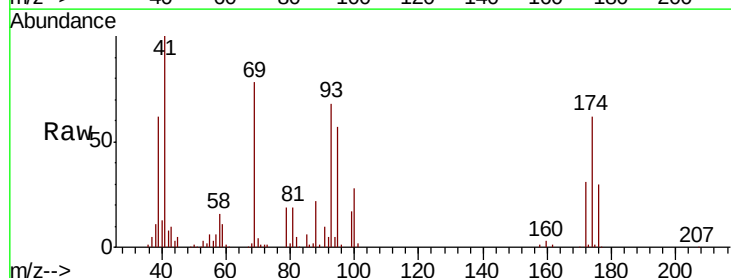
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

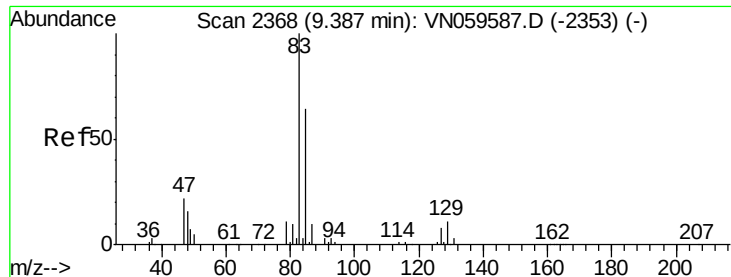
Tgt Ion: 63 Resp: 156723
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.9 37.3



#46
 Dibromomethane
 Concen: 49.464 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 93 Resp: 103198
 Ion Ratio Lower Upper
 93 100
 95 81.6 67.0 100.6
 174 90.0 73.4 110.2

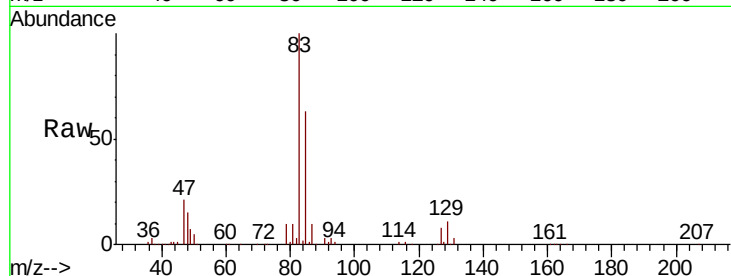




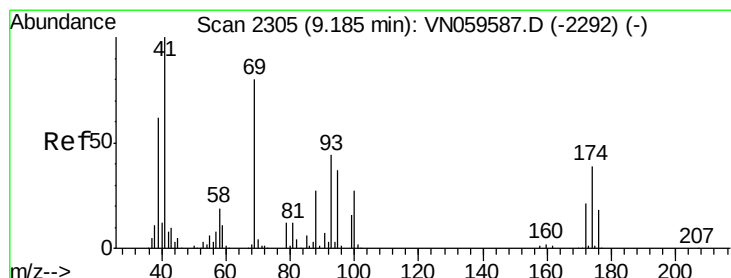
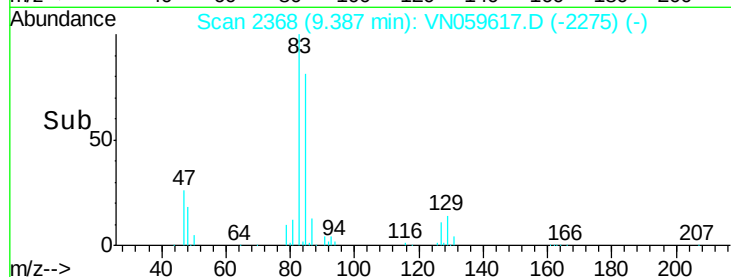
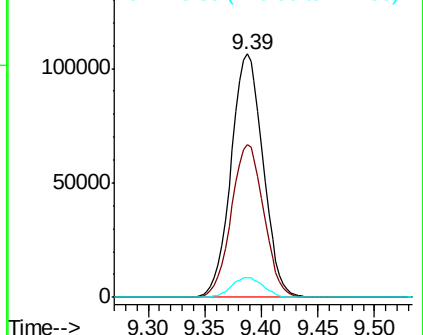
#47
 Bromodichloromethane
 Concen: 50.390 ug/l
 RT: 9.39 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 83 Resp: 209603
 Ion Ratio Lower Upper
 83 100
 85 63.0 51.1 76.7
 127 8.2 6.6 9.8

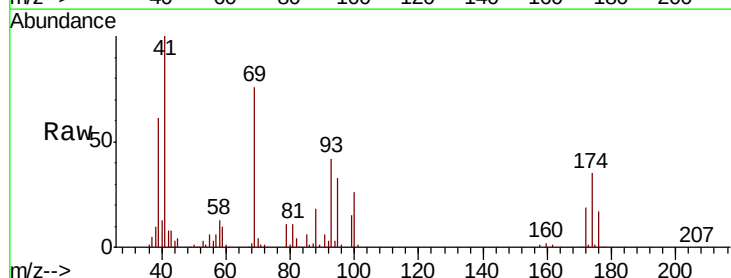


Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): VN0

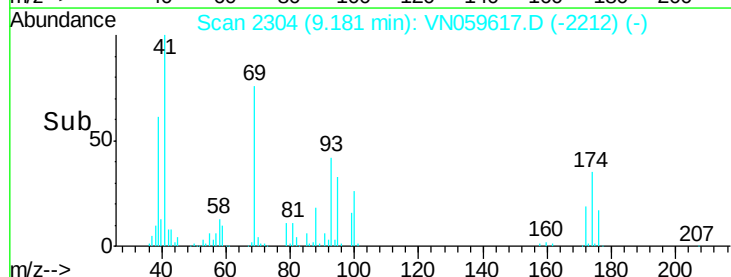
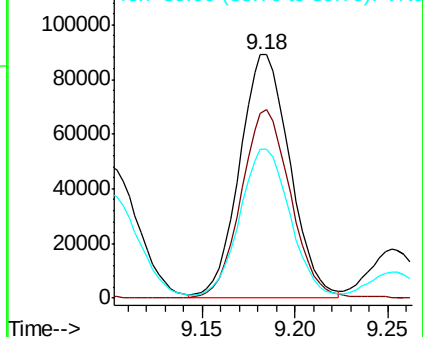


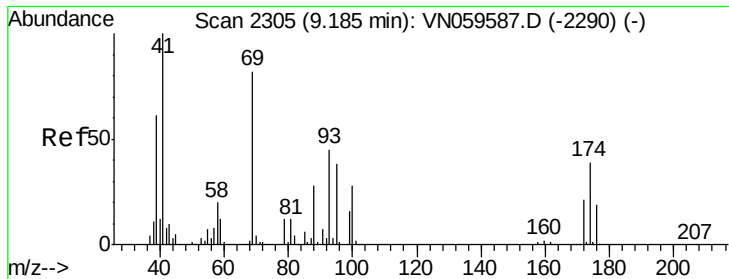
#48
 Methyl methacrylate
 Concen: 50.499 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 41 Resp: 167069
 Ion Ratio Lower Upper
 41 100
 69 76.3 64.4 96.6
 39 61.3 51.3 76.9



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

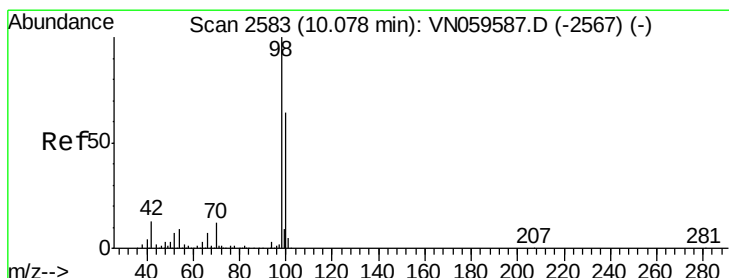
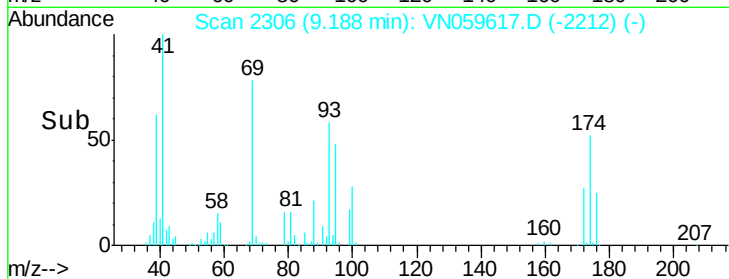
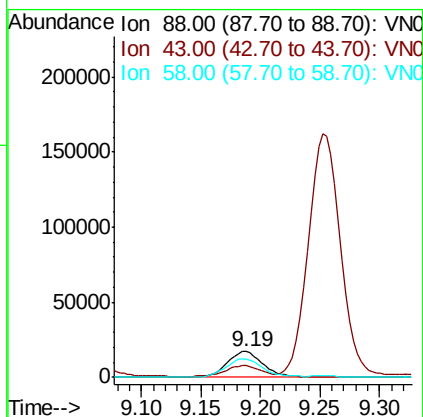
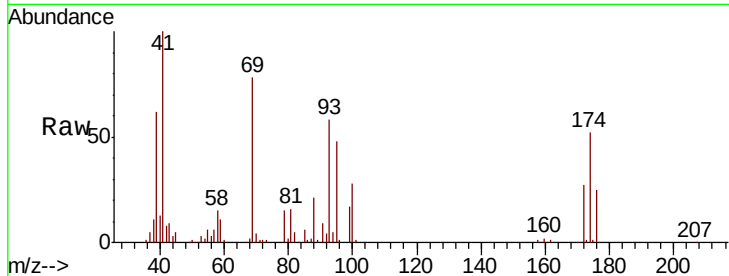




#49
1,4-Dioxane
Concen: 776.284 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

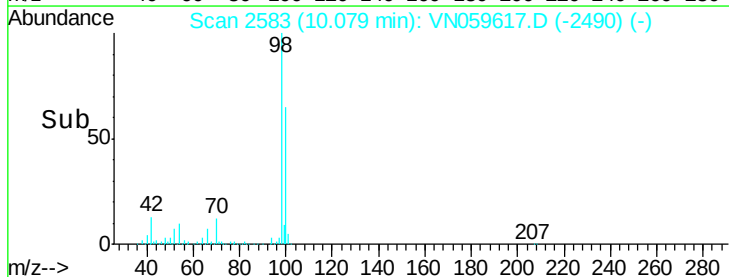
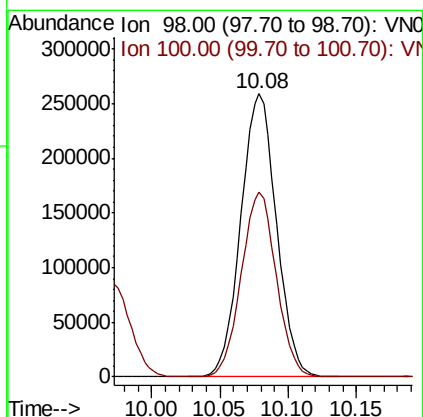
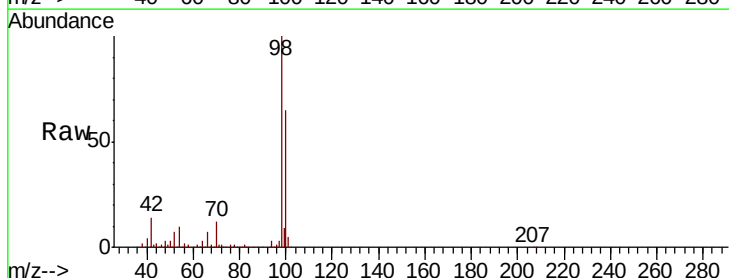
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

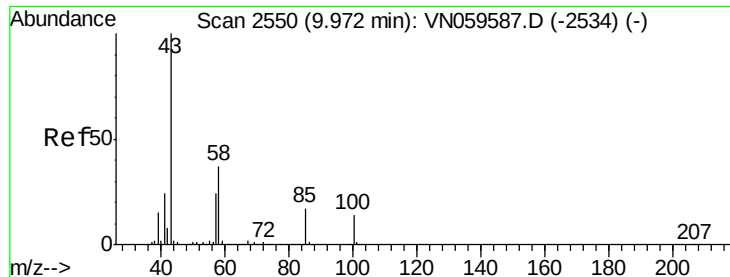
Tgt Ion: 88 Resp: 36804
Ion Ratio Lower Upper
88 100
43 40.9 29.7 44.5
58 73.1 56.6 85.0



#50
Toluene-d8
Concen: 48.895 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 98 Resp: 468687
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8

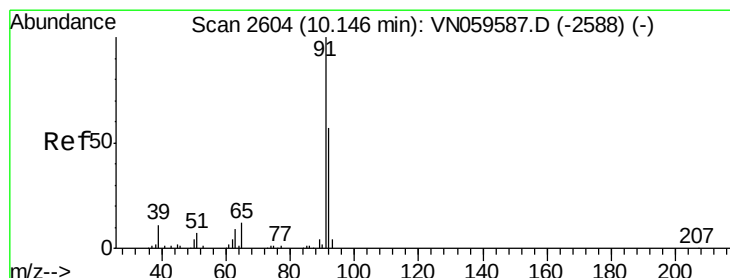
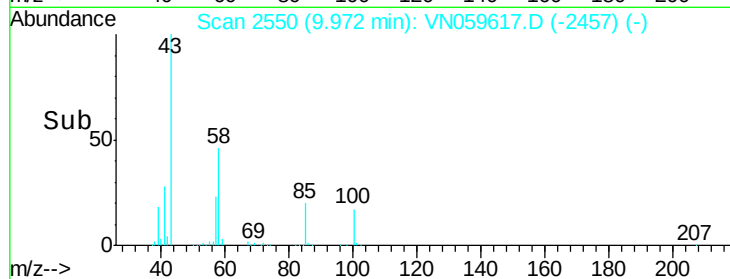
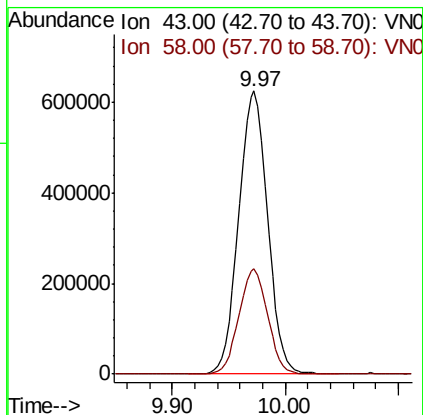
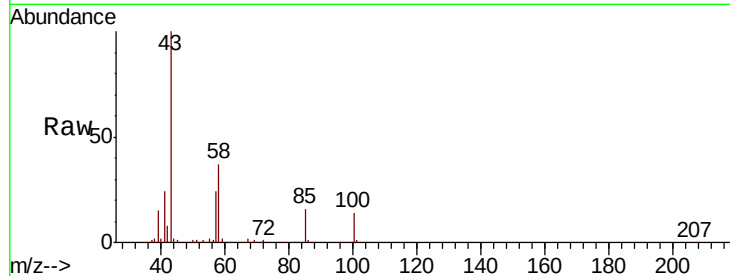




#51
 4-Methyl-2-Pentanone
 Concen: 255.496 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

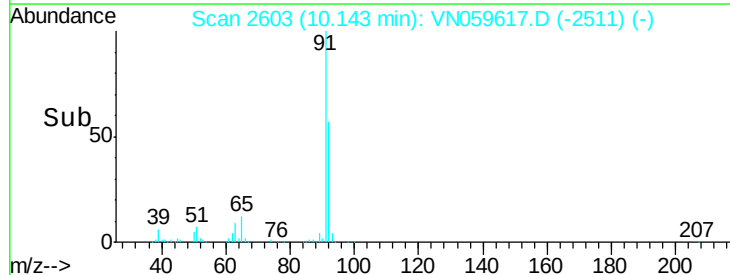
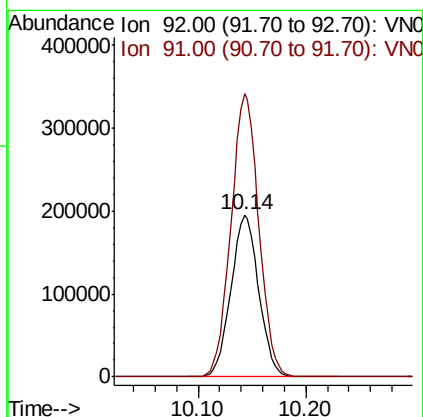
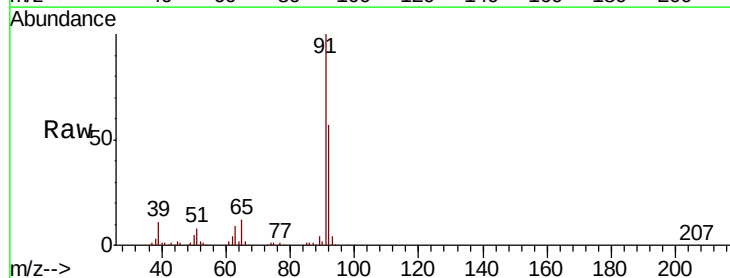
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

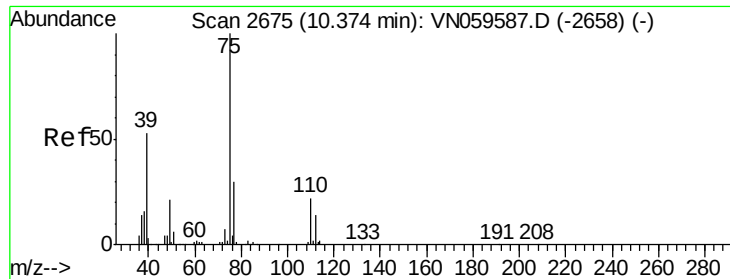
Tgt Ion: 43 Resp: 1110801
 Ion Ratio Lower Upper
 43 100
 58 37.1 29.8 44.8



#52
 Toluene
 Concen: 48.309 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 92 Resp: 350045
 Ion Ratio Lower Upper
 92 100
 91 175.0 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 49.045 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

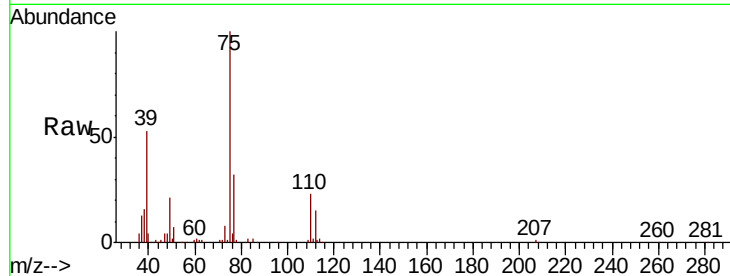
VSTDCCC050EC

Tgt Ion: 75 Resp: 235941

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

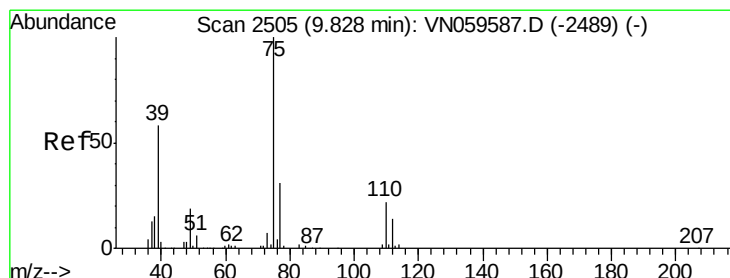
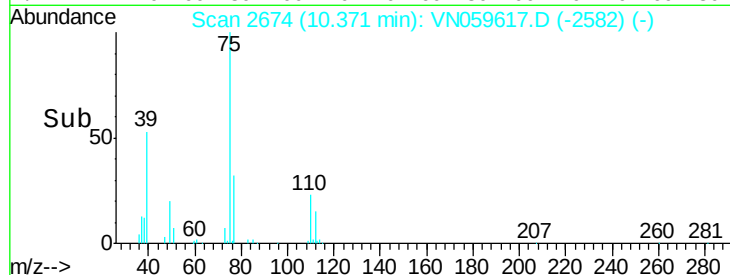
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.337 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

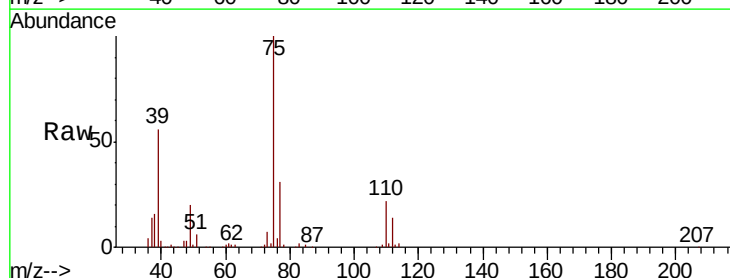
Tgt Ion: 75 Resp: 249489

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 56.0 46.1 69.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

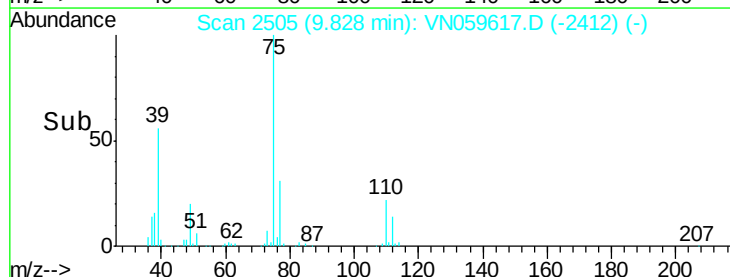
150000

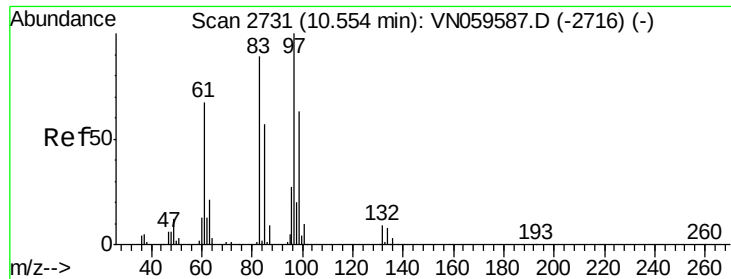
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.972 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 139244

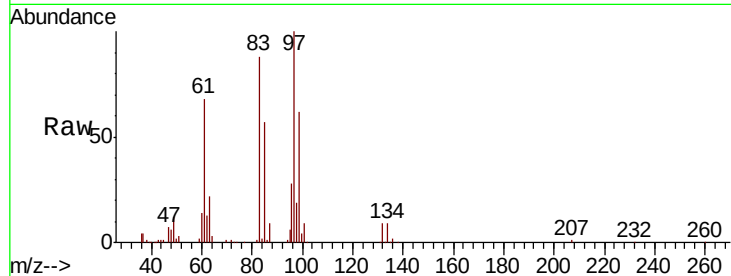
Ion Ratio Lower Upper

97 100

83 88.3 71.3 106.9

85 56.8 45.8 68.8

99 61.6 50.0 75.0

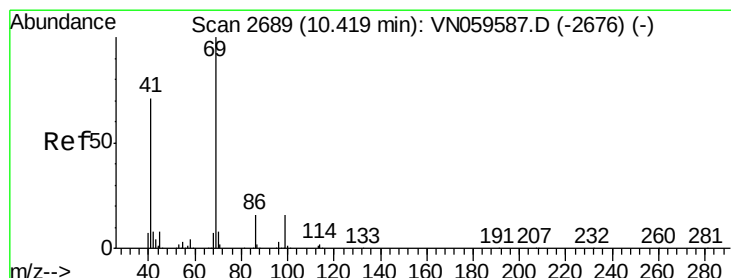
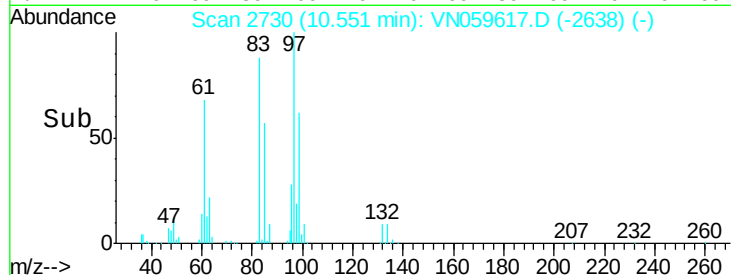
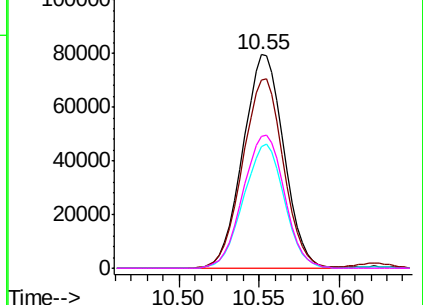


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 51.778 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

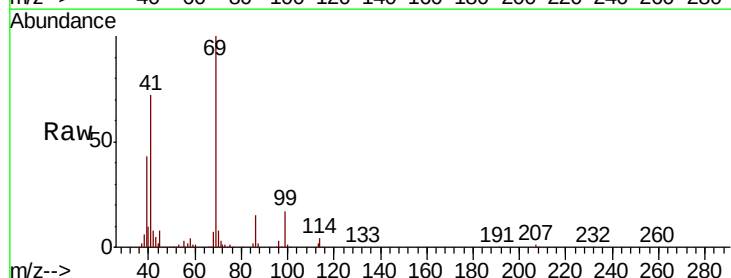
Tgt Ion: 69 Resp: 218559

Ion Ratio Lower Upper

69 100

41 71.5 57.1 85.7

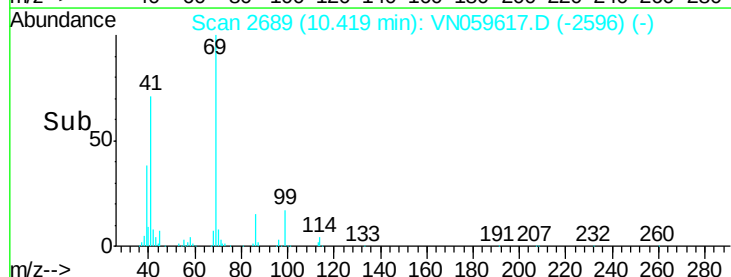
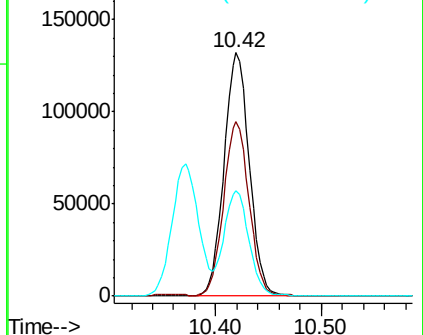
39 42.9 34.7 52.1

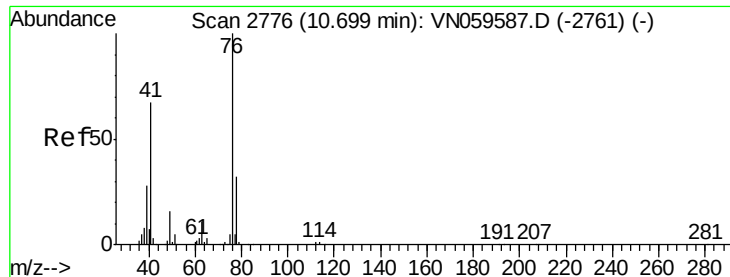


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 49.634 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

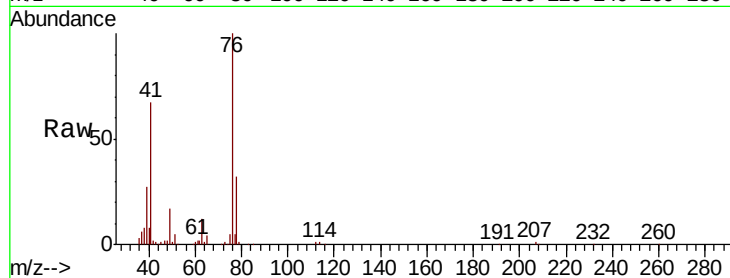
VSTDCCC050EC

Tgt Ion: 76 Resp: 245723

Ion Ratio Lower Upper

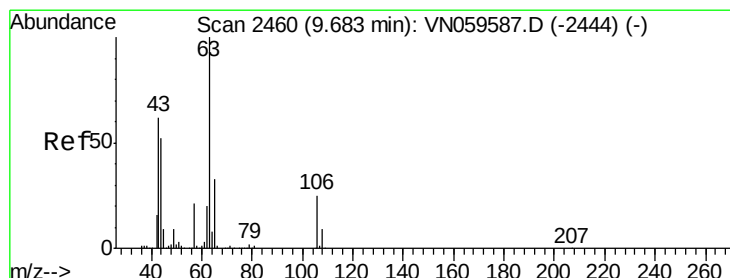
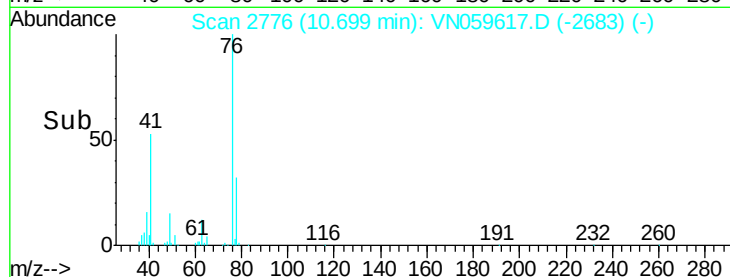
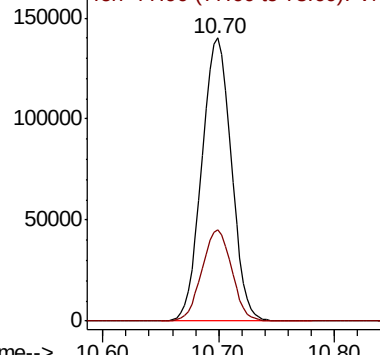
76 100

78 32.7 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 308.997 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059617.D

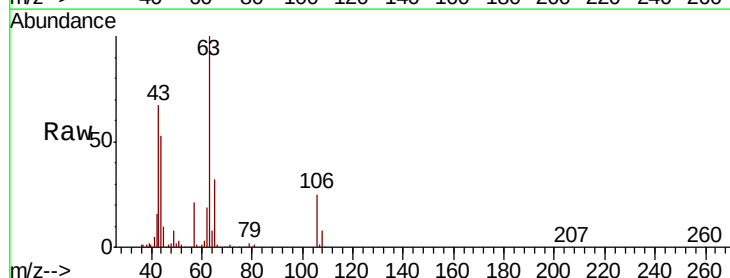
Acq: 16 Dec 2019 20:41

Tgt Ion: 63 Resp: 414816

Ion Ratio Lower Upper

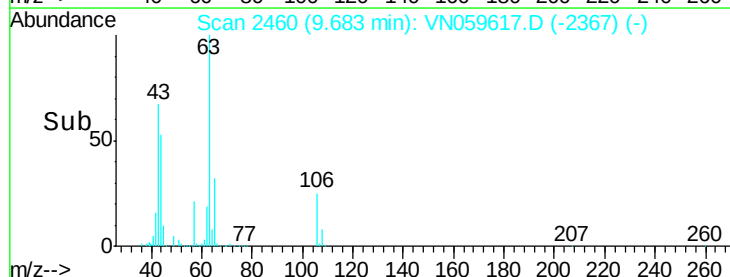
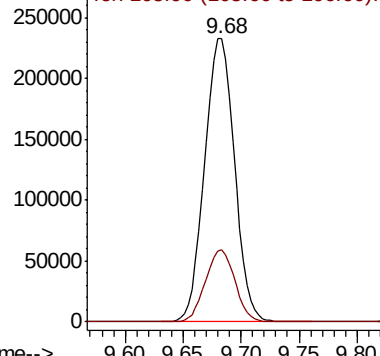
63 100

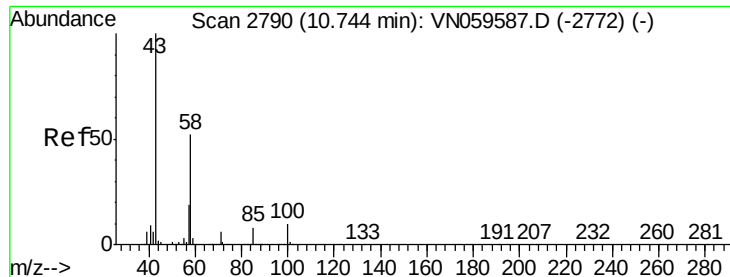
106 25.1 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

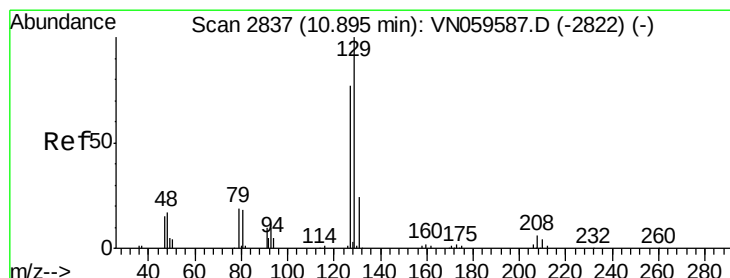
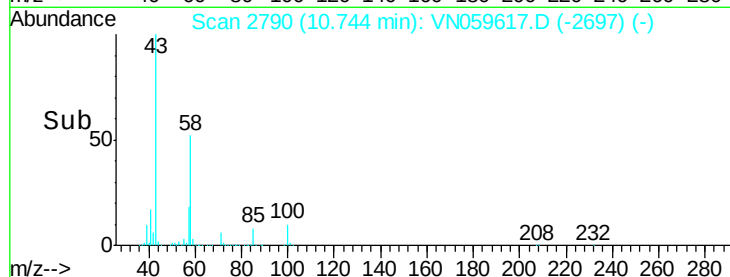
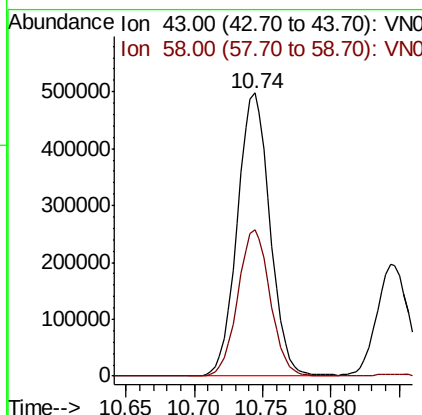
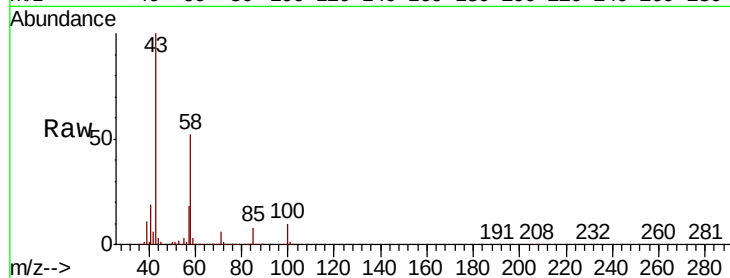




#59
2-Hexanone
Concen: 239.856 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

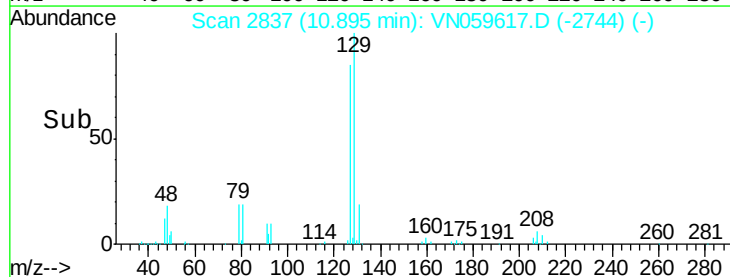
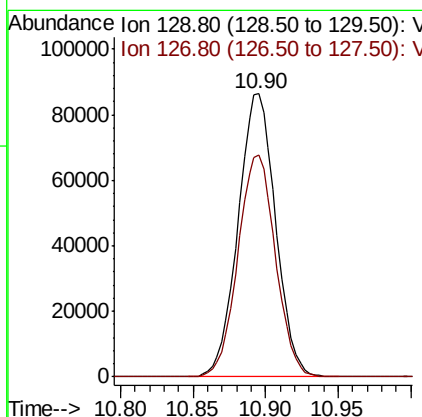
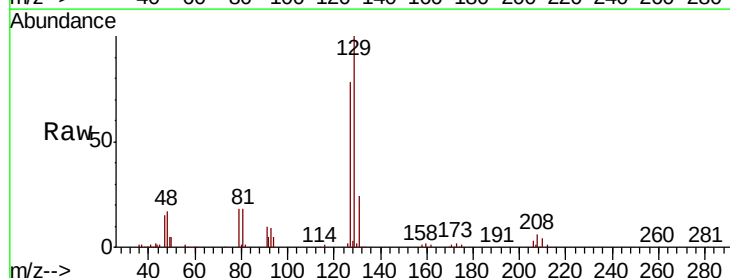
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

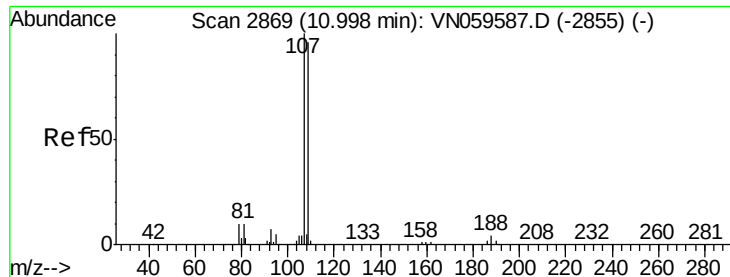
Tgt Ion: 43 Resp: 821866
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3



#60
Dibromochloromethane
Concen: 50.115 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 129 Resp: 155520
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





#61

1,2-Dibromoethane

Concen: 49.015 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

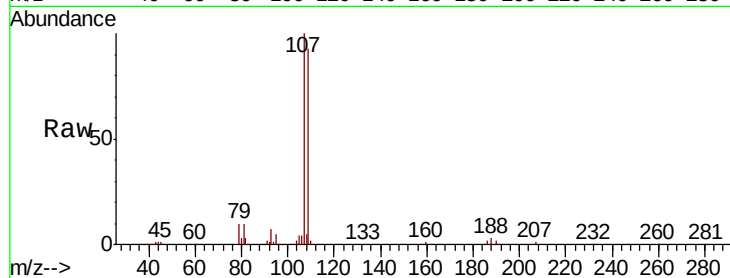
VSTDCCC050EC

Tgt Ion: 107 Resp: 147804

Ion Ratio Lower Upper

107 100

109 93.8 76.6 115.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

80000

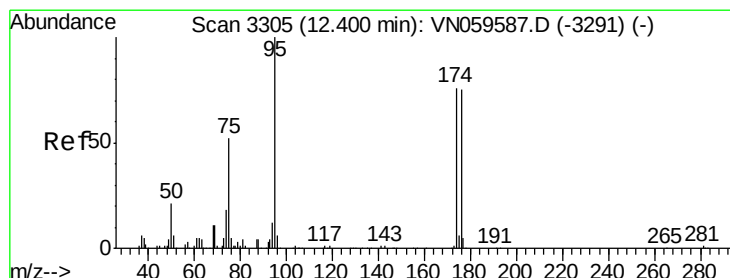
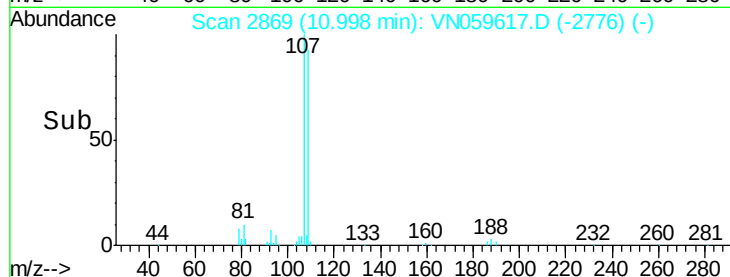
60000

40000

20000

0

Time--> 10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 47.982 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

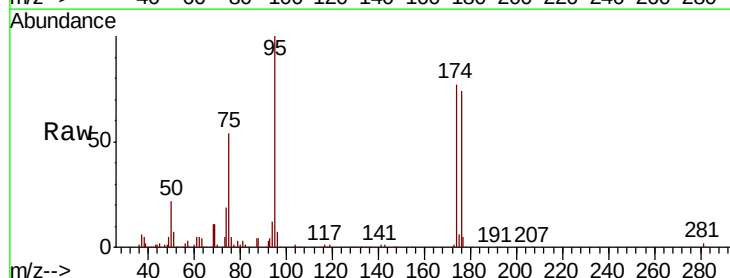
Tgt Ion: 95 Resp: 167827

Ion Ratio Lower Upper

95 100

174 76.9 0.0 151.4

176 73.4 0.0 146.0



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

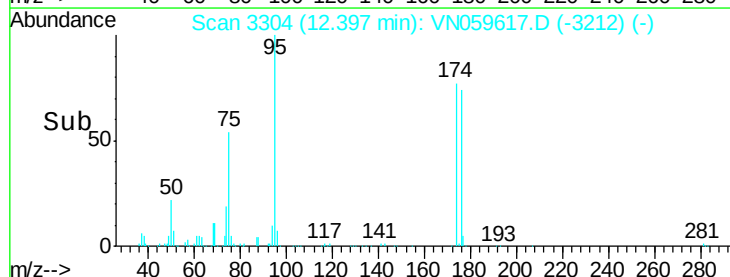
12.40

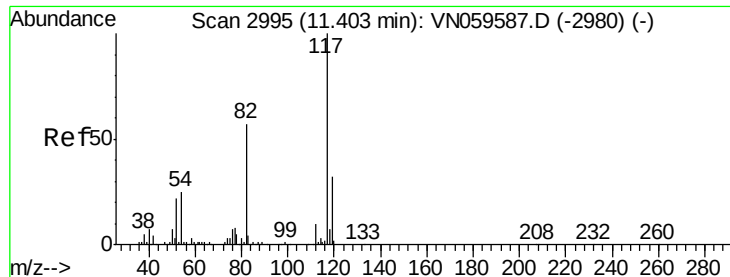
100000

50000

0

Time--> 12.35 12.40 12.45

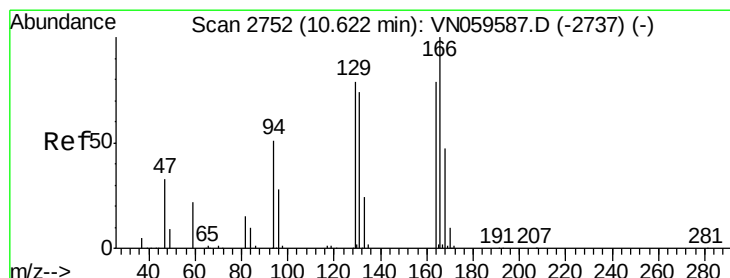
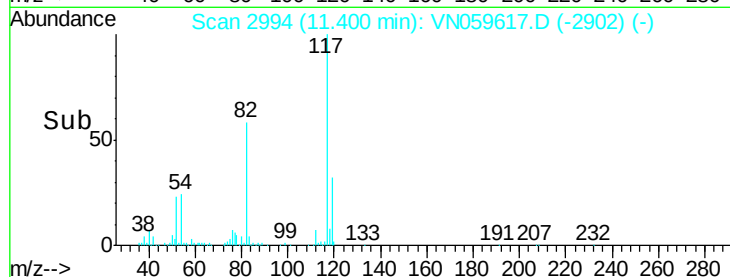
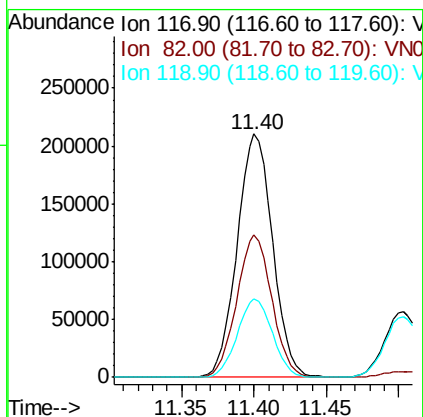
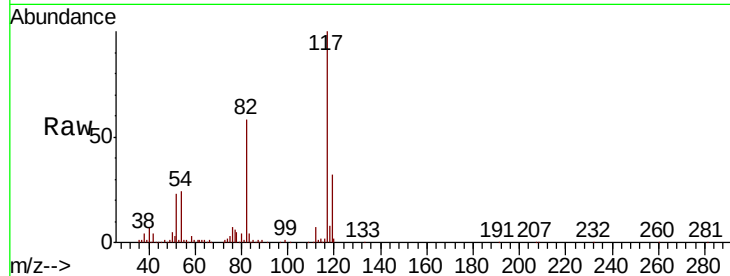




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

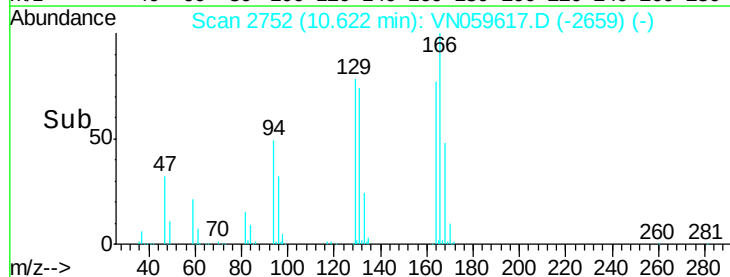
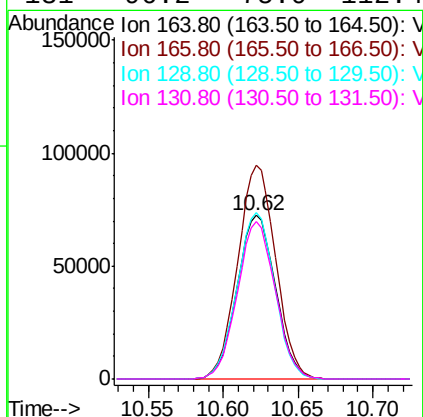
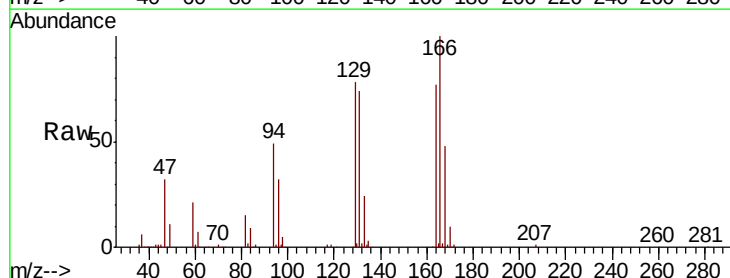
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

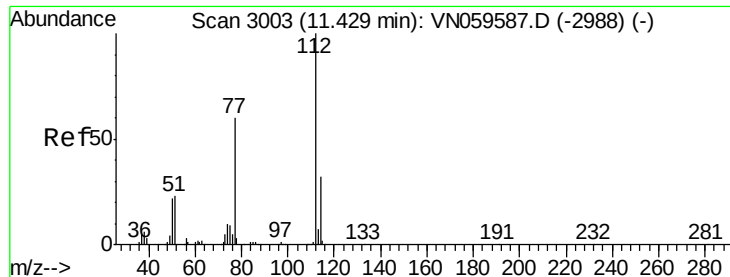
Tgt Ion:117 Resp: 358497
Ion Ratio Lower Upper
117 100
82 58.3 45.9 68.9
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 38.802 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion:164 Resp: 129672
Ion Ratio Lower Upper
164 100
166 130.7 101.4 152.0
129 101.5 80.2 120.4
131 96.2 75.0 112.4





#65

Chlorobenzene

Concen: 47.242 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

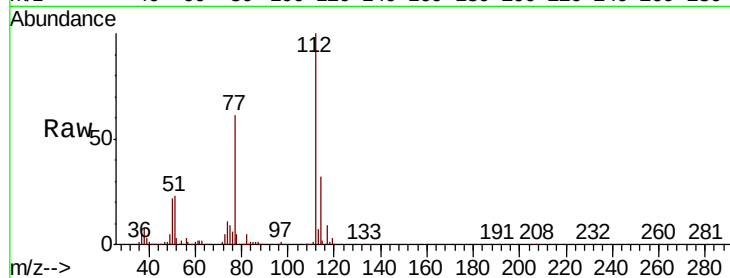
VSTDCCC050EC

Tgt Ion:112 Resp: 366454

Ion Ratio Lower Upper

112 100

114 31.5 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

200000

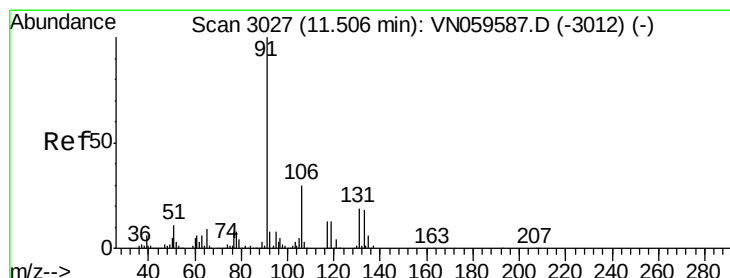
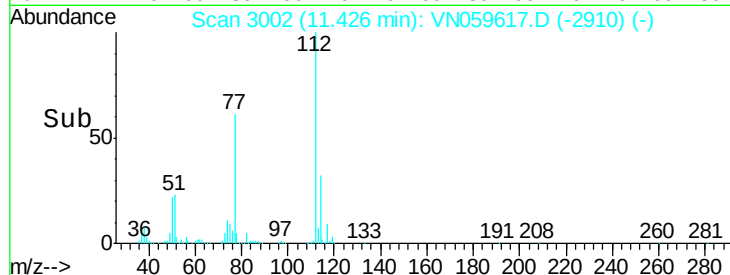
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 47.900 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

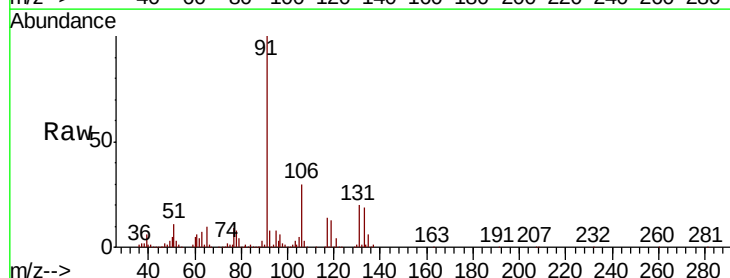
Tgt Ion:131 Resp: 141131

Ion Ratio Lower Upper

131 100

133 95.6 47.4 142.2

119 65.6 33.1 99.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.50

100000

80000

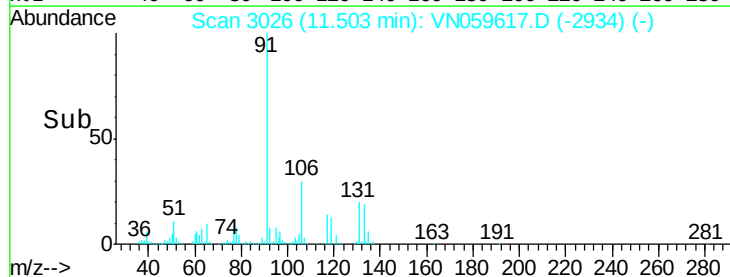
60000

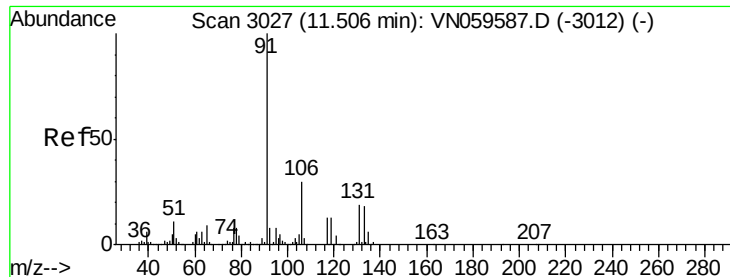
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 48.595 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

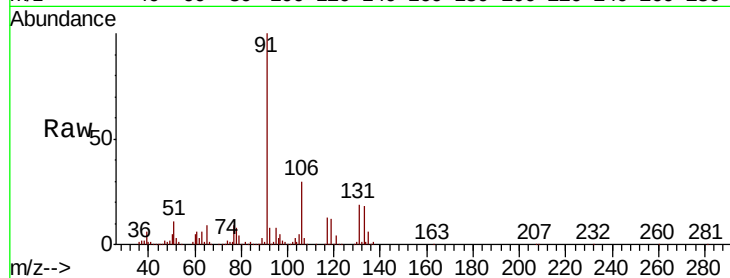
VSTDCCC050EC

Tgt Ion: 91 Resp: 680417

Ion Ratio Lower Upper

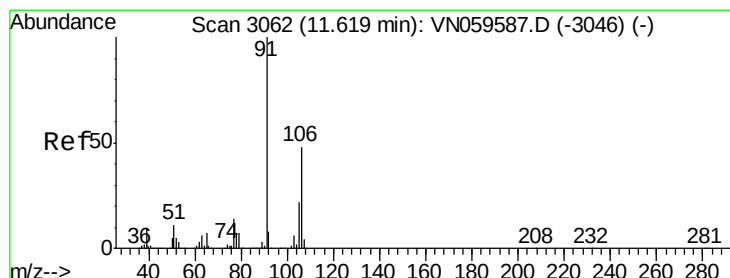
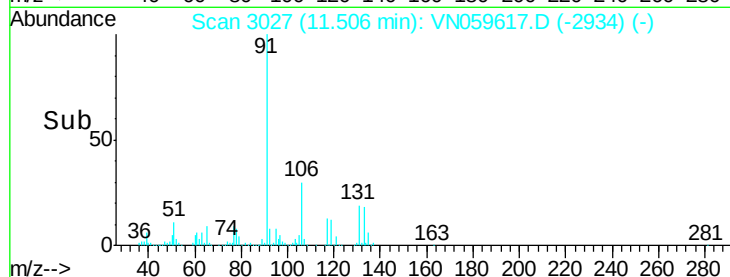
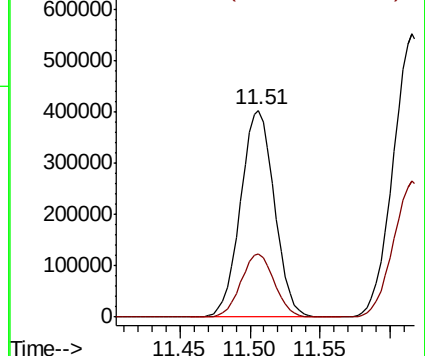
91 100

106 30.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 97.167 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059617.D

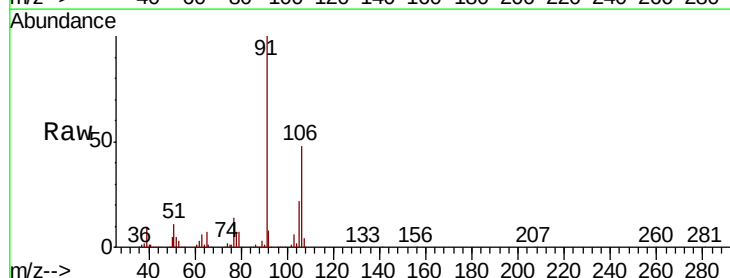
Acq: 16 Dec 2019 20:41

Tgt Ion: 106 Resp: 502389

Ion Ratio Lower Upper

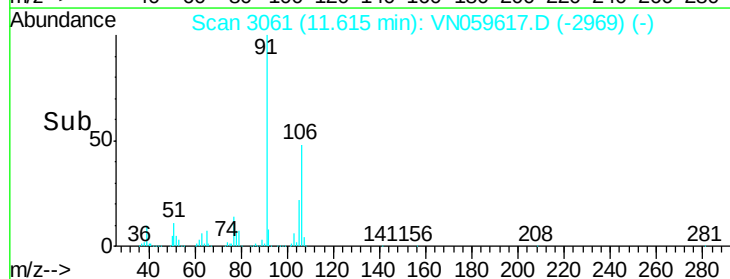
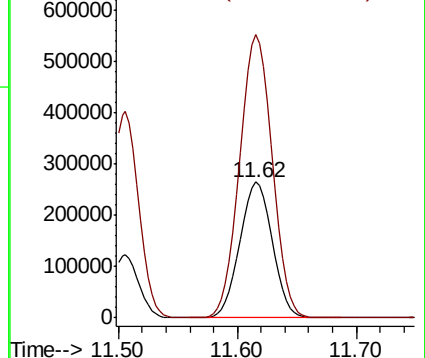
106 100

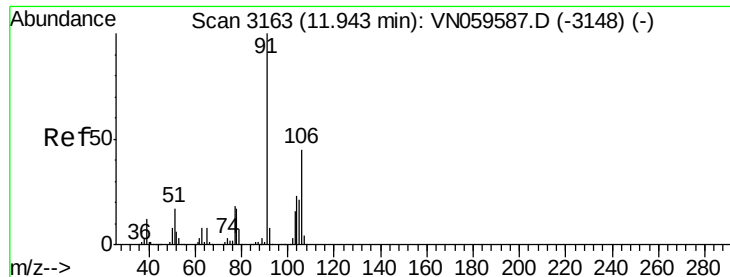
91 208.7 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

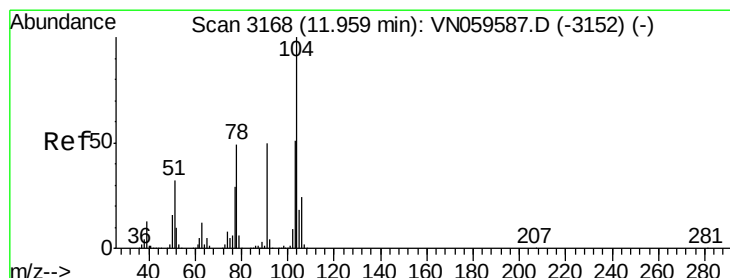
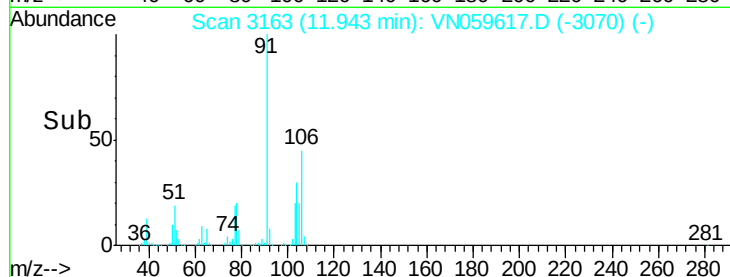
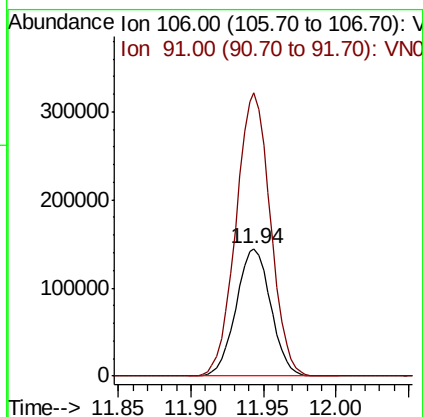
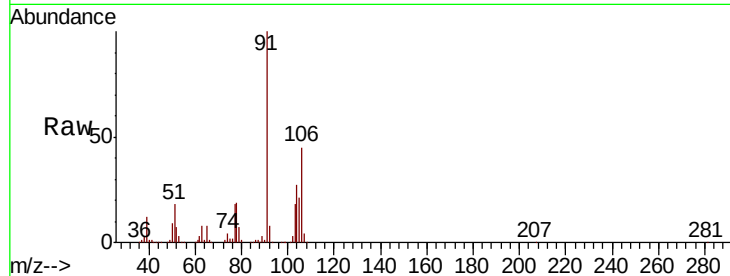




#69
o-Xylene
Concen: 48.835 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

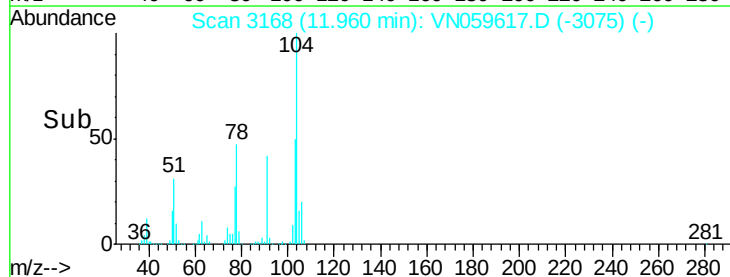
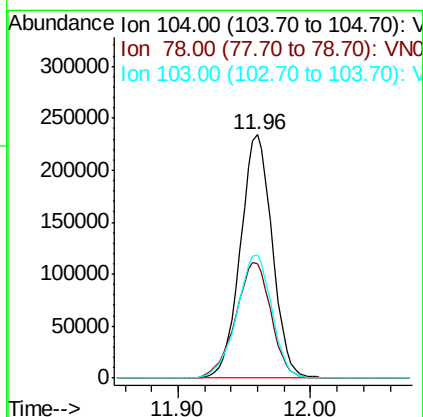
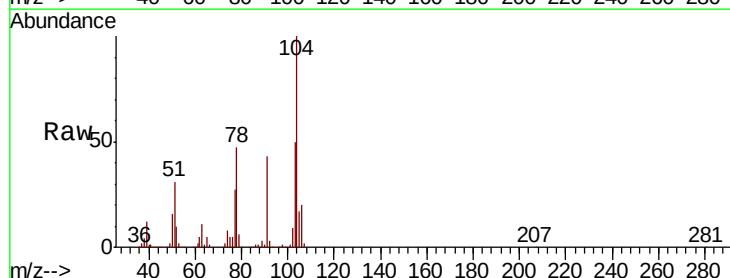
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

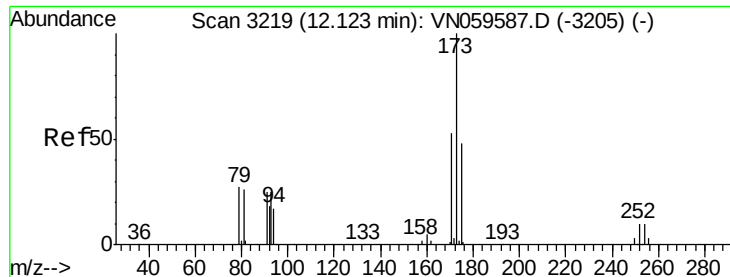
Tgt Ion:106 Resp: 240251
Ion Ratio Lower Upper
106 100
91 220.4 110.3 330.9



#70
Styrene
Concen: 49.339 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion:104 Resp: 389992
Ion Ratio Lower Upper
104 100
78 53.0 42.4 63.6
103 55.5 43.9 65.9





#71

Bromoform

Concen: 49.515 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

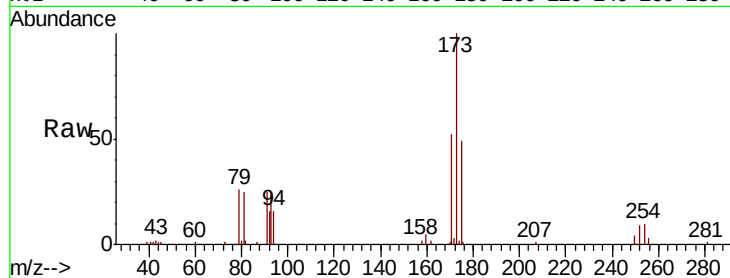
Tgt Ion:173 Resp: 109665

Ion Ratio Lower Upper

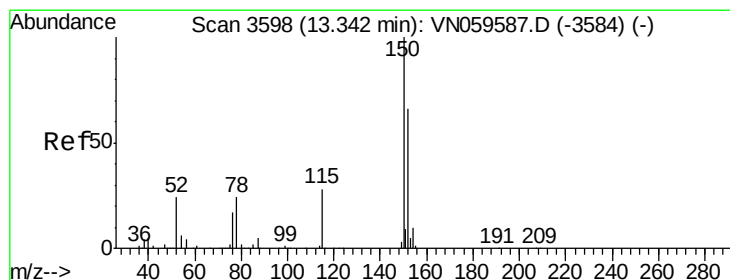
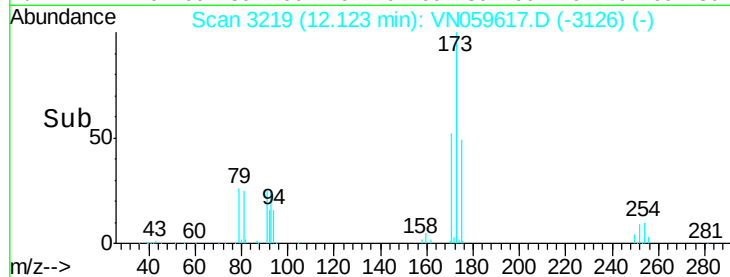
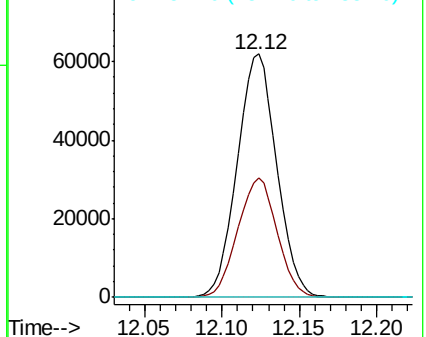
173 100

175 48.8 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: VN059617.D

Acq: 16 Dec 2019 20:41

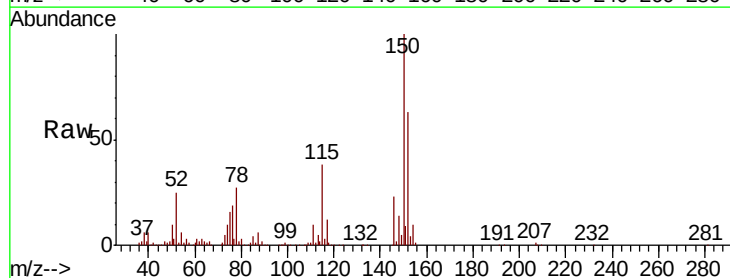
Tgt Ion:152 Resp: 171100

Ion Ratio Lower Upper

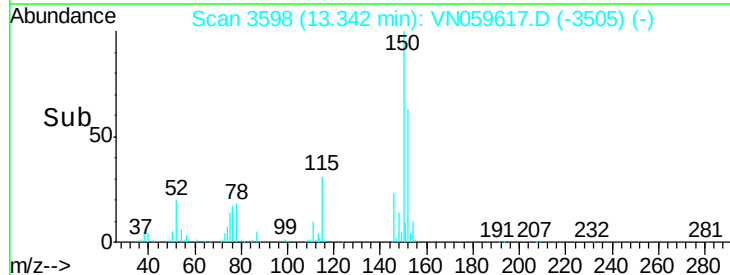
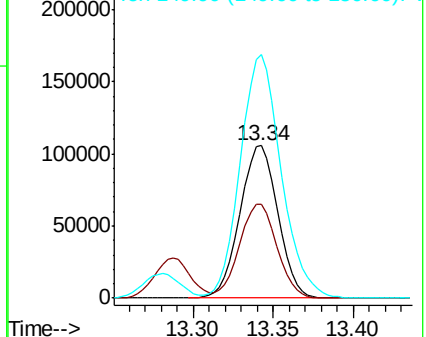
152 100

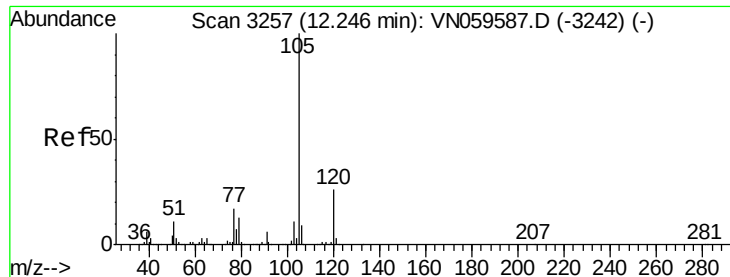
115 60.7 30.3 90.9

150 172.7 0.0 345.2



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





#73

Isopropylbenzene

Concen: 48.299 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

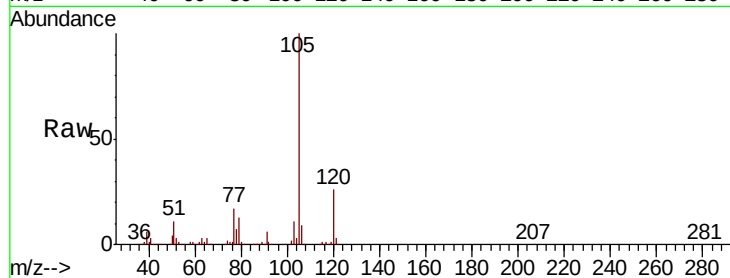
VSTDCCC050EC

Tgt Ion: 105 Resp: 648717

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

300000

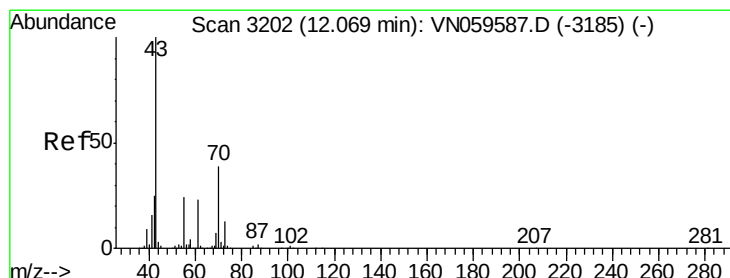
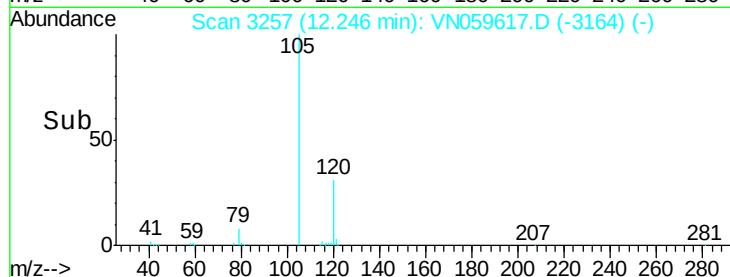
200000

100000

0

Time-->

12.20 12.30



#74

N-amyl acetate

Concen: 50.063 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Tgt Ion: 43 Resp: 308443

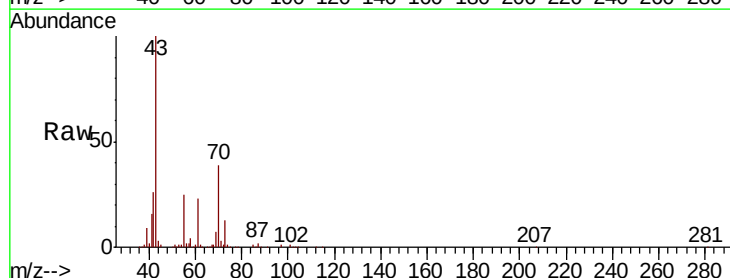
Ion Ratio Lower Upper

43 100

70 38.9 31.3 46.9

55 25.0 19.8 29.6

61 22.6 18.3 27.5



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

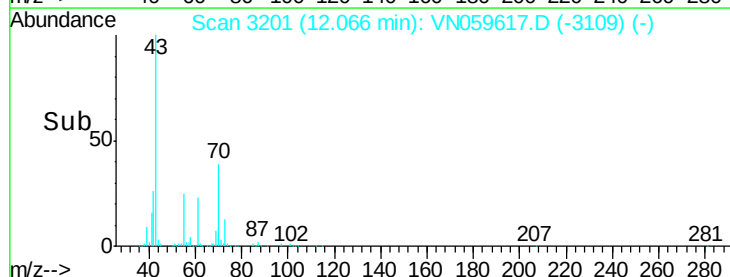
100000

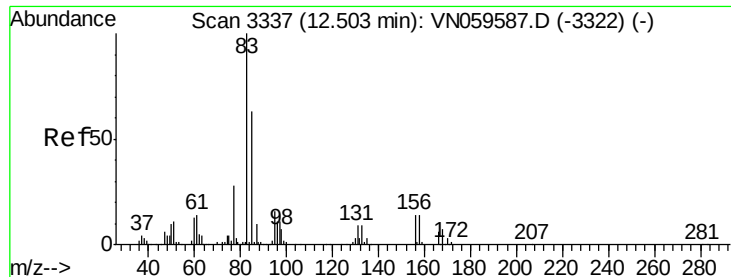
50000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.058 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

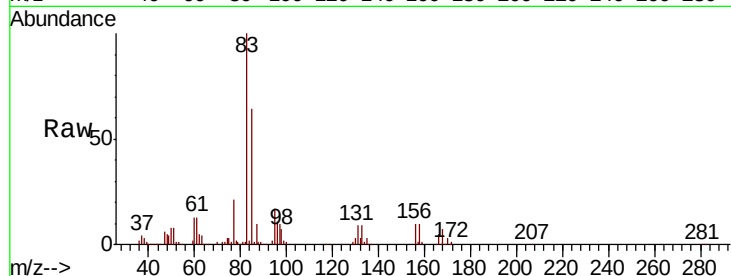
Tgt Ion: 83 Resp: 209016

Ion Ratio Lower Upper

83 100

131 9.7 5.0 14.9

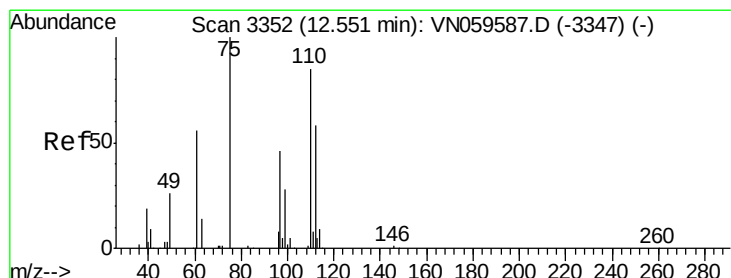
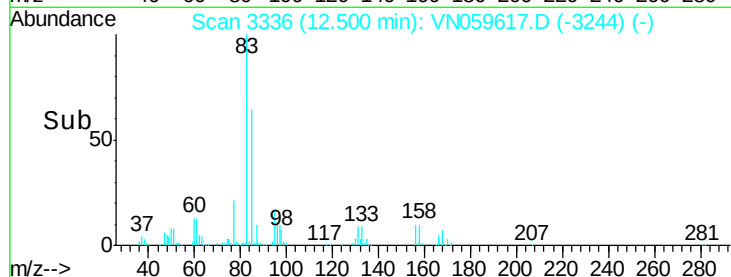
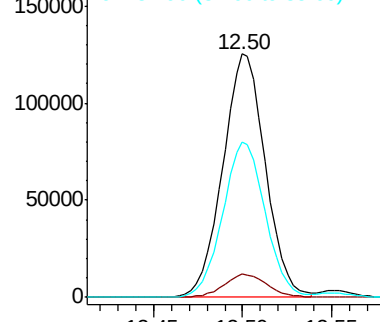
85 63.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 70.217 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059617.D

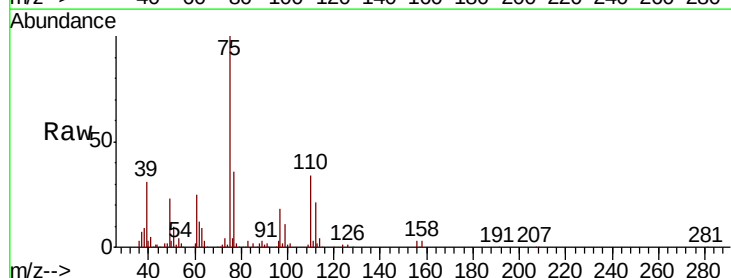
Acq: 16 Dec 2019 20:41

Tgt Ion: 75 Resp: 297418

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

200000

150000

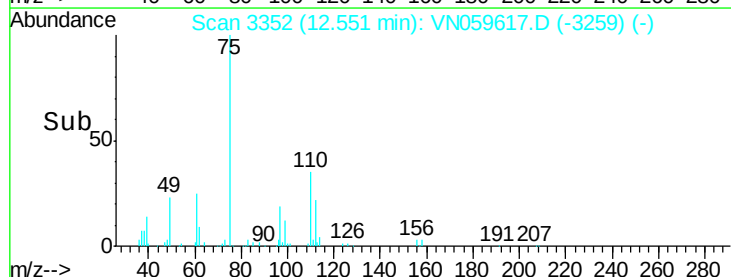
100000

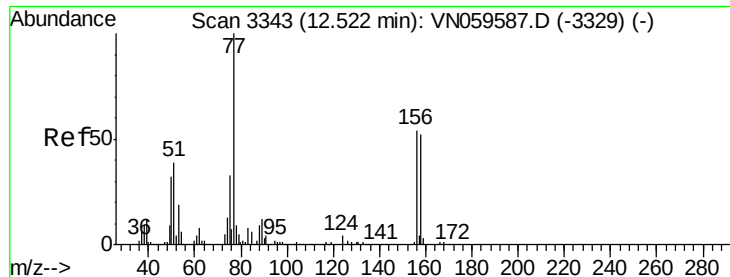
50000

0

12.55

Time-->





#77

Bromobenzene

Concen: 46.512 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

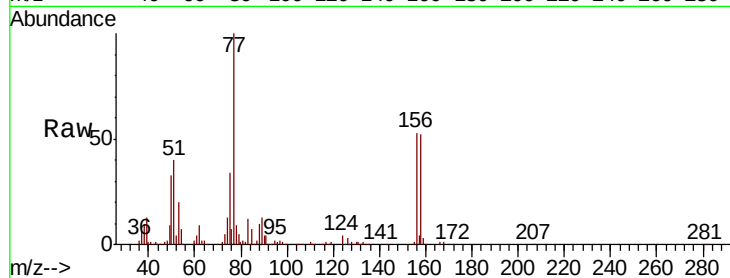
Tgt Ion:156 Resp: 153634

Ion Ratio Lower Upper

156 100

77 232.7 115.8 347.4

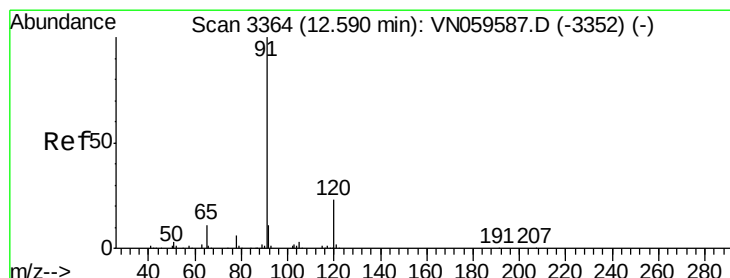
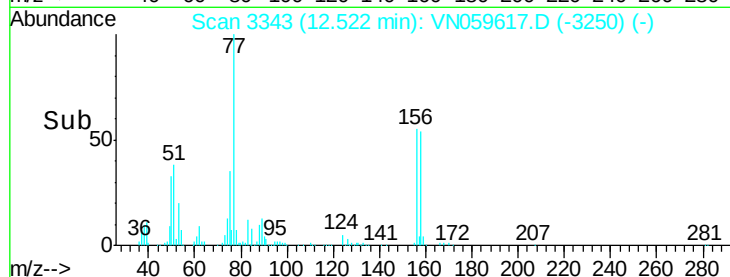
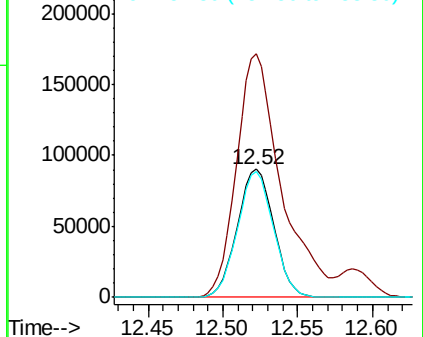
158 96.7 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.795 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059617.D

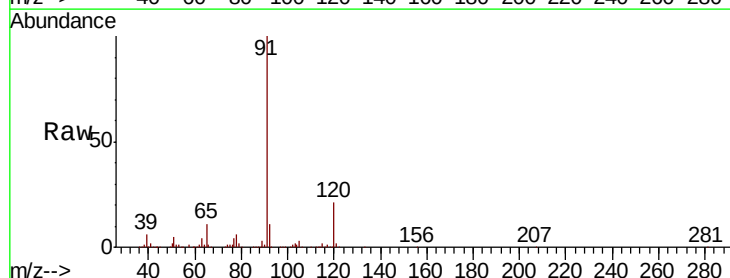
Acq: 16 Dec 2019 20:41

Tgt Ion: 91 Resp: 774728

Ion Ratio Lower Upper

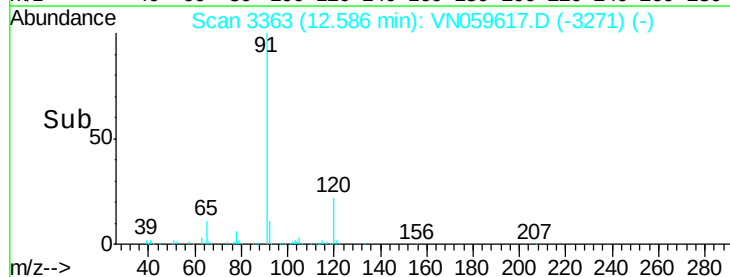
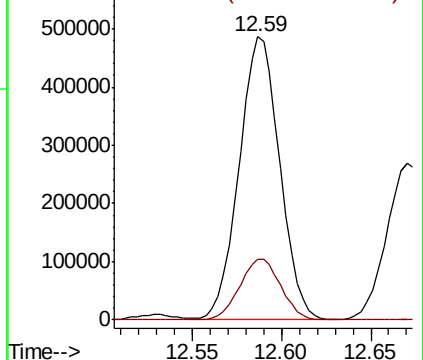
91 100

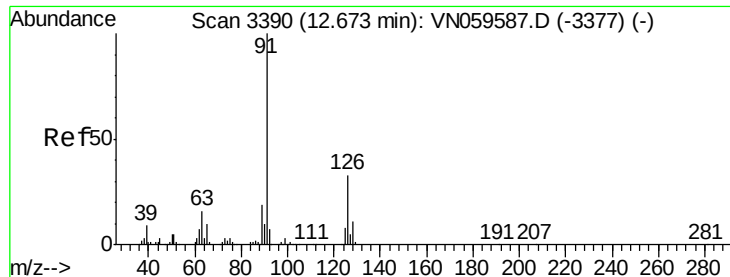
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

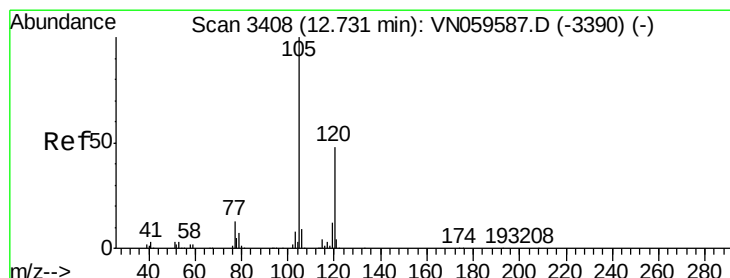
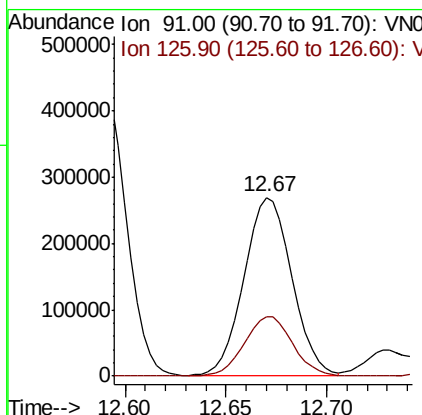
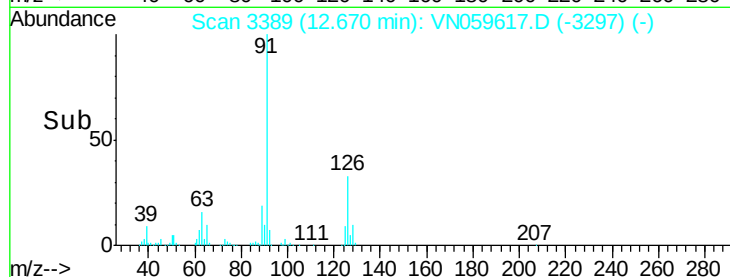
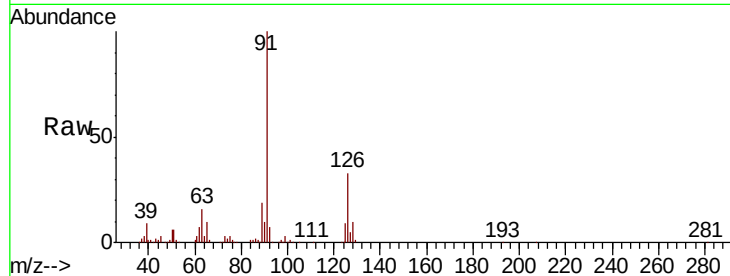




#79
 2-Chlorotoluene
 Concen: 46.883 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

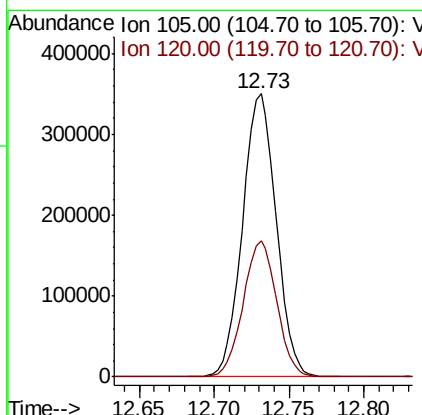
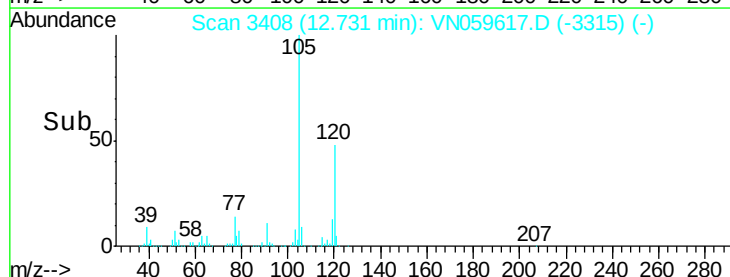
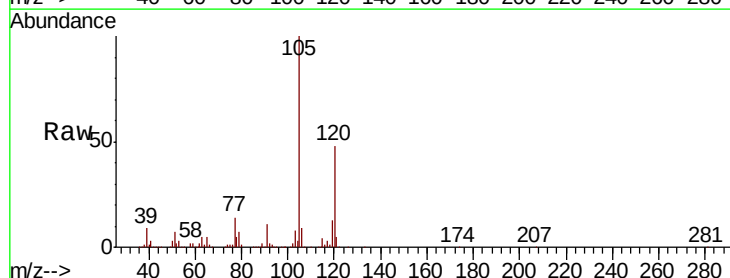
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

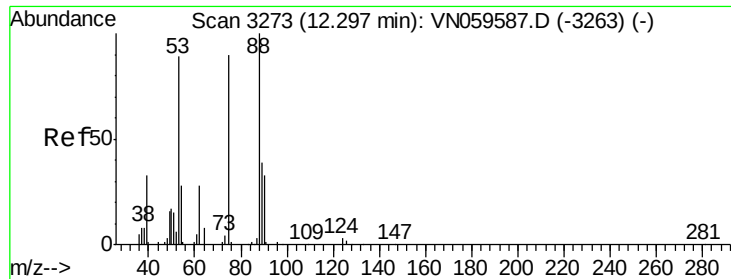
Tgt Ion: 91 Resp: 450101
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.3 48.9



#80
 1,3,5-Trimethylbenzene
 Concen: 48.170 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 105 Resp: 547516
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.4

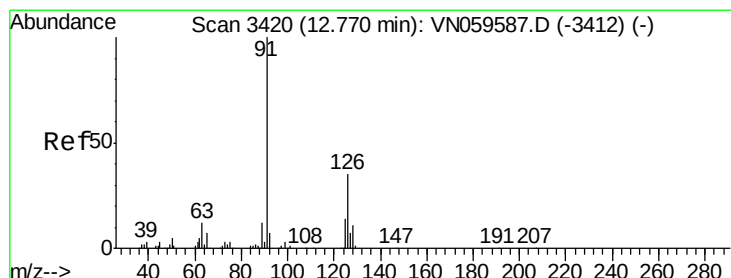
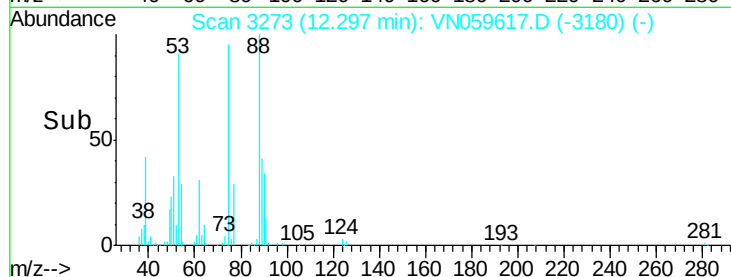
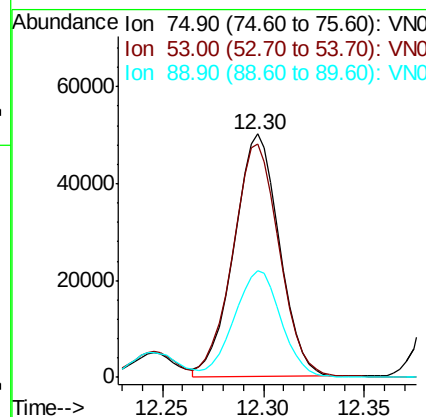
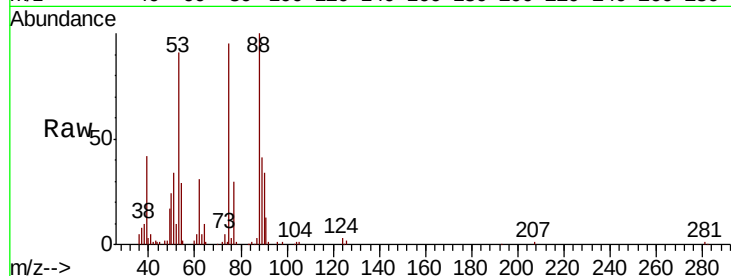




#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.923 ug/l
 RT: 12.30 min Scan# 3273
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

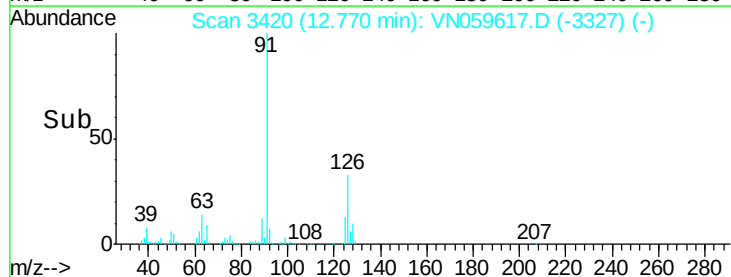
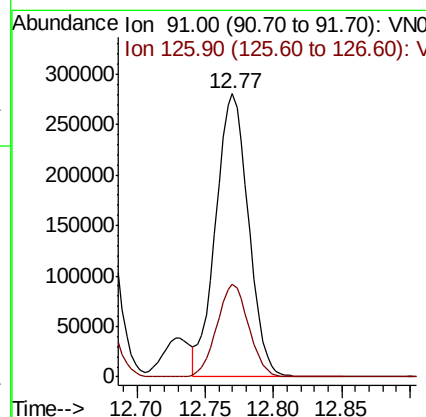
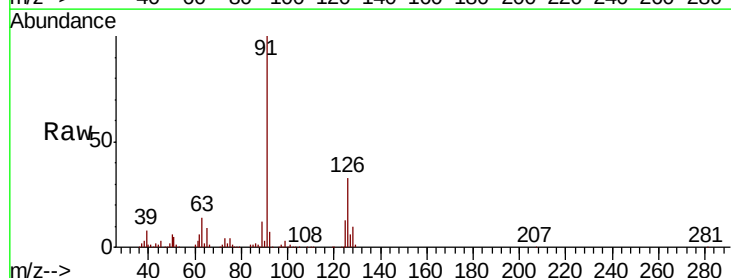
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

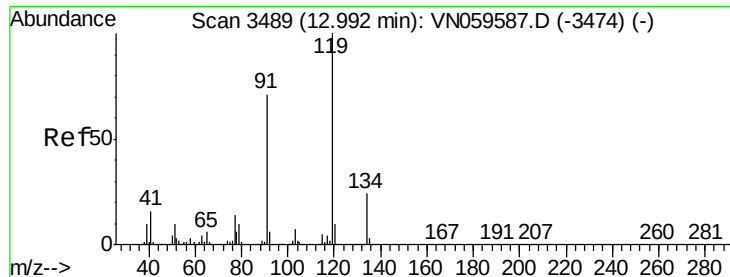
Tgt Ion: 75 Resp: 78754
 Ion Ratio Lower Upper
 75 100
 53 99.6 78.1 117.1
 89 45.6 35.4 53.2



#82
 4-Chlorotoluene
 Concen: 47.457 ug/l
 RT: 12.77 min Scan# 3420
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 91 Resp: 466500
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.3 48.8

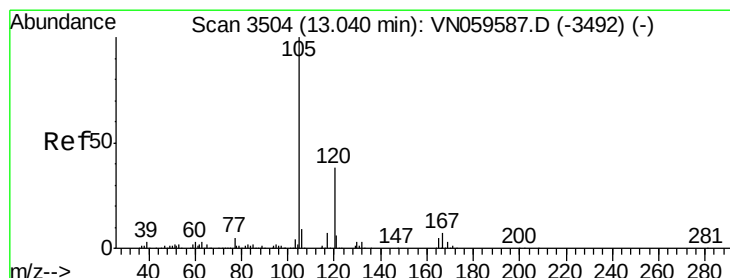
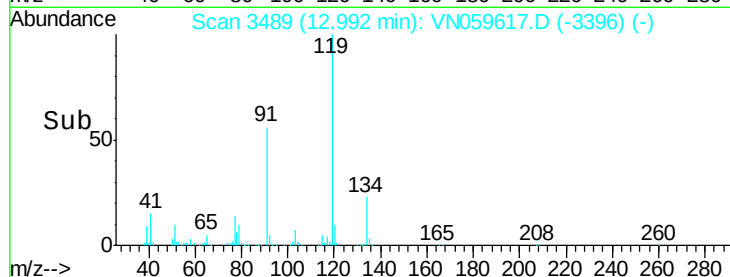
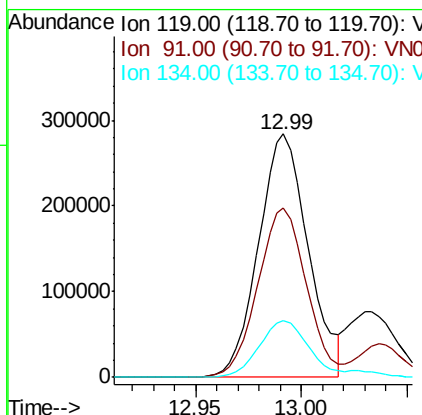
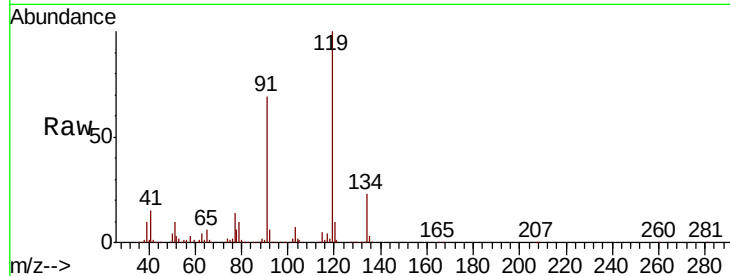




#83
 tert-Butylbenzene
 Concen: 48.391 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

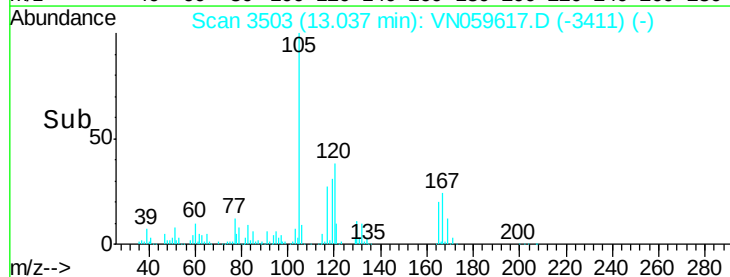
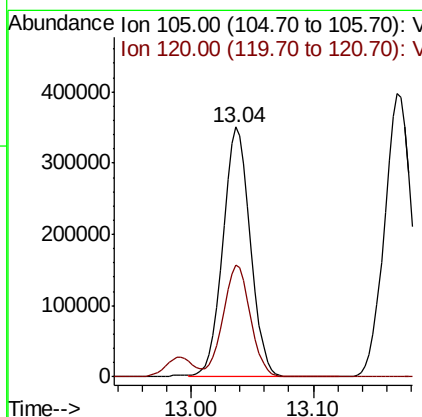
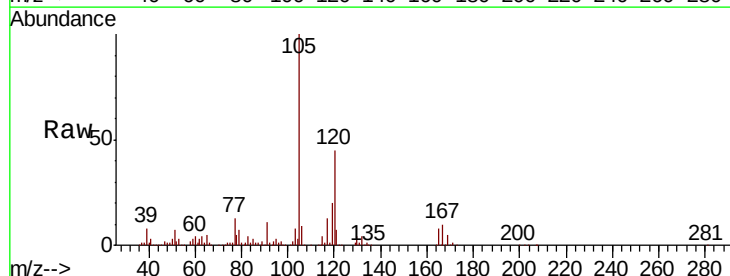
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

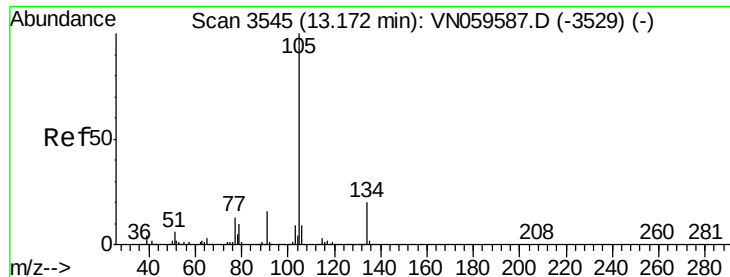
Tgt Ion:119 Resp: 465797
 Ion Ratio Lower Upper
 119 100
 91 68.3 34.8 104.4
 134 25.0 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 48.778 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion:105 Resp: 551290
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.3 66.9

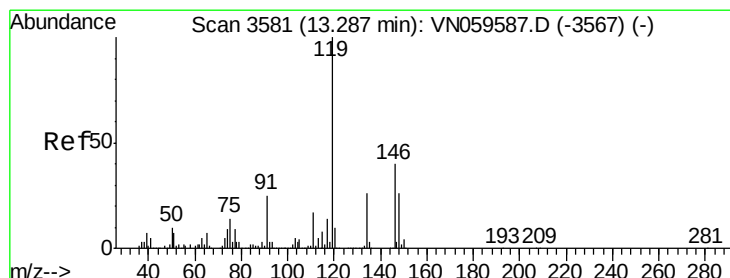
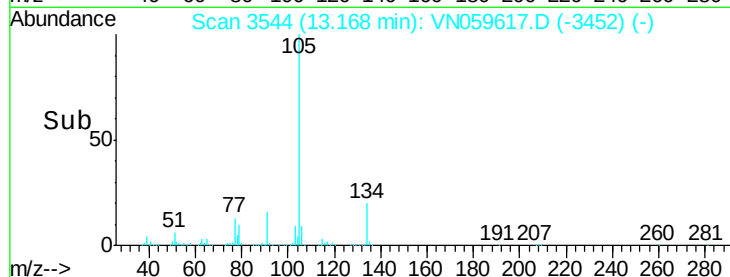
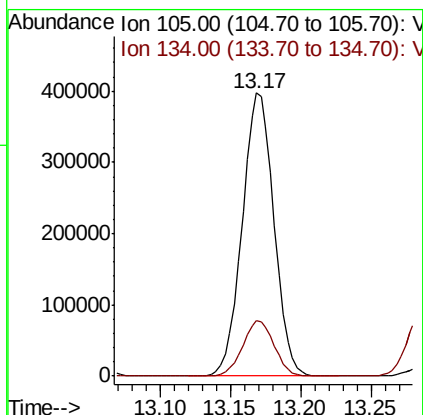
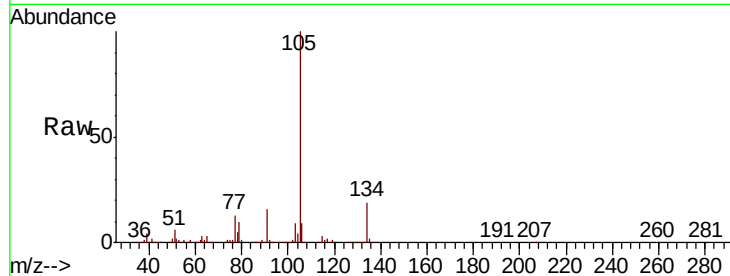




#85
 sec-Butylbenzene
 Concen: 48.770 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

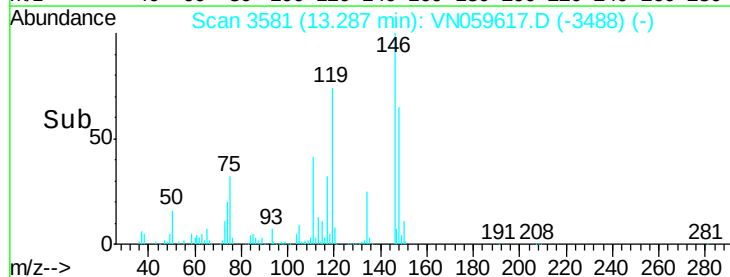
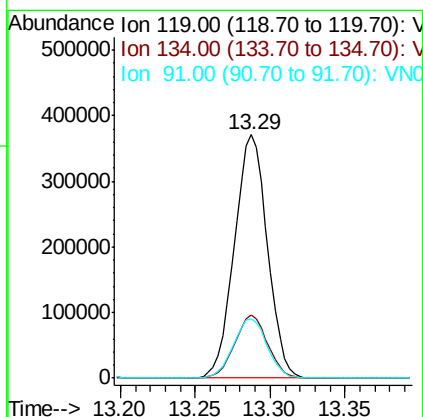
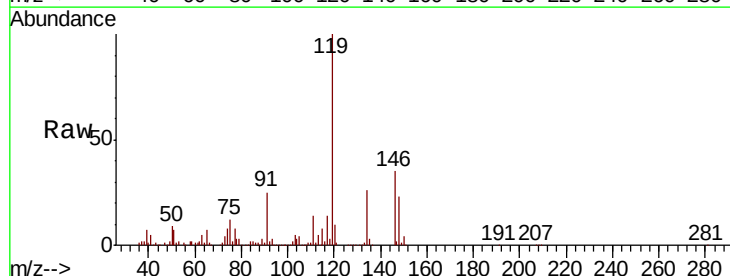
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

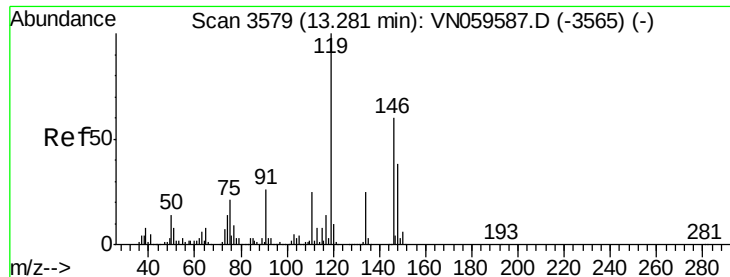
Tgt Ion:105 Resp: 624466
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 48.931 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion:119 Resp: 567439
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.9 38.7
 91 24.9 12.4 37.4

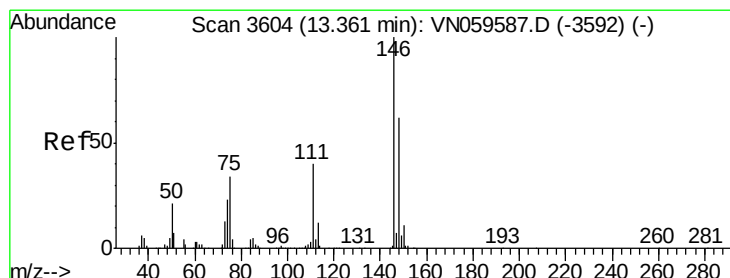
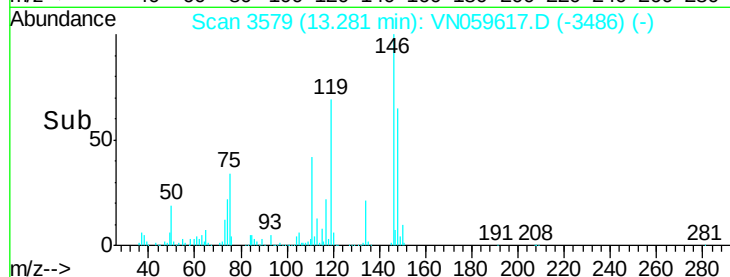
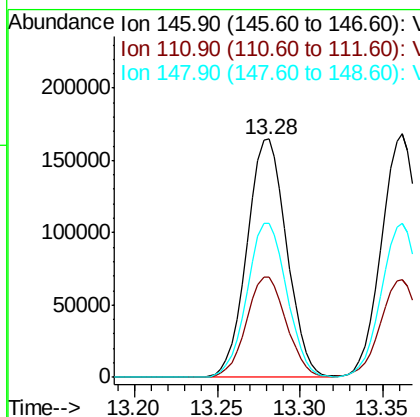
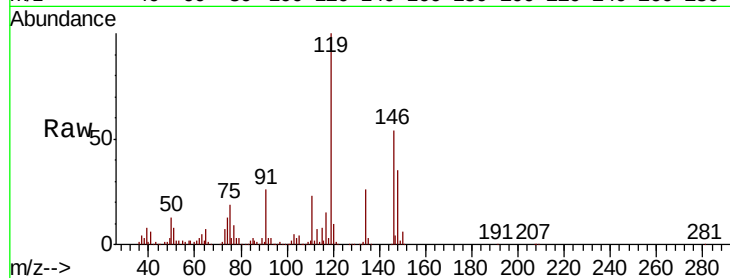




#87
 1,3-Dichlorobenzene
 Concen: 45.225 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

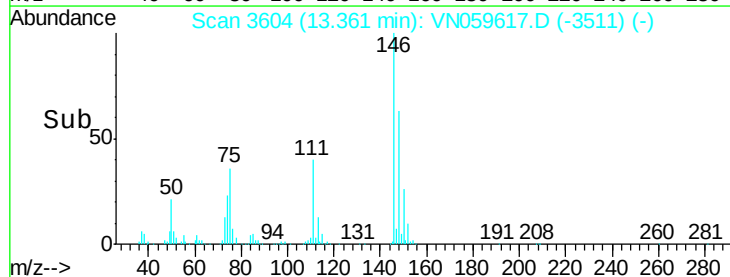
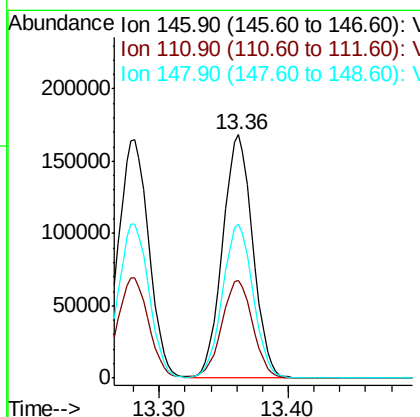
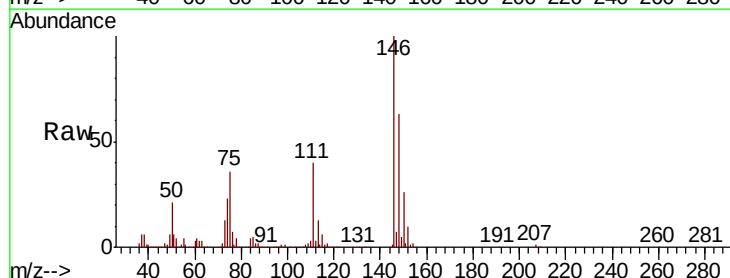
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

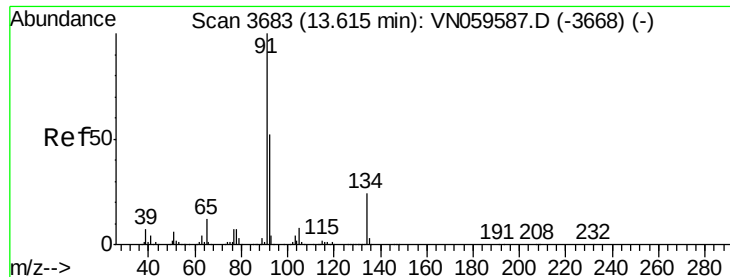
Tgt Ion:146 Resp: 274687
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.8 62.2
 148 64.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 44.697 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion:146 Resp: 273719
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.8 62.2
 148 63.6 31.8 95.4





#89

n-Butylbenzene

Concen: 46.816 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

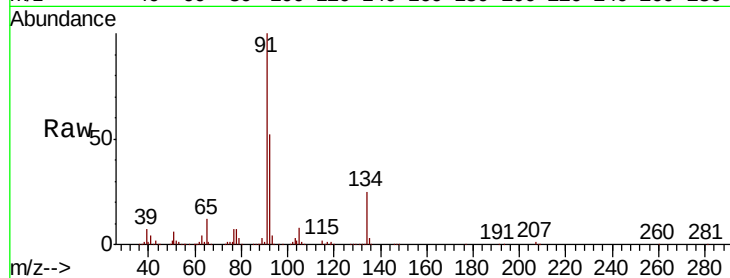
Tgt Ion: 91 Resp: 509006

Ion Ratio Lower Upper

91 100

92 51.4 25.9 77.7

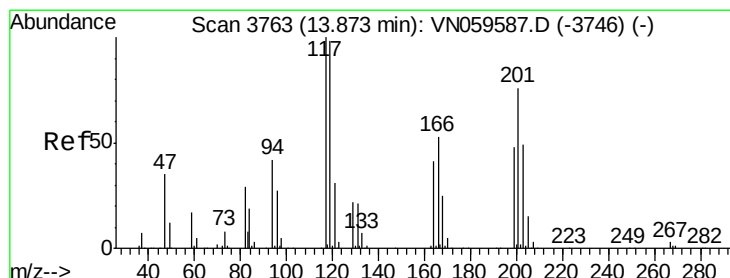
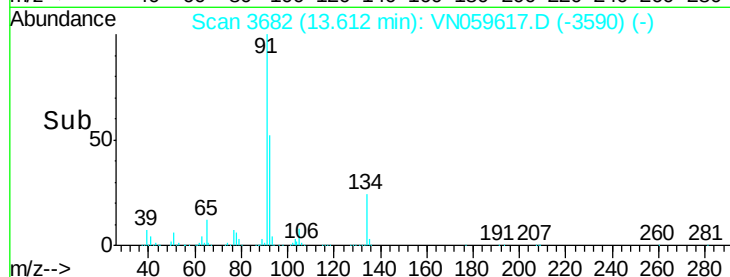
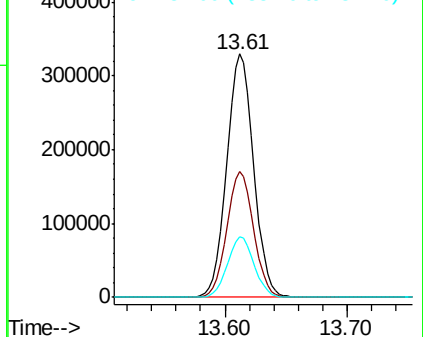
134 24.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): VN0



#90

Hexachloroethane

Concen: 49.351 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059617.D

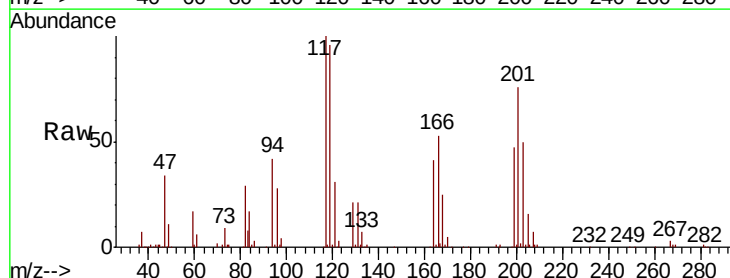
Acq: 16 Dec 2019 20:41

Tgt Ion: 117 Resp: 108180

Ion Ratio Lower Upper

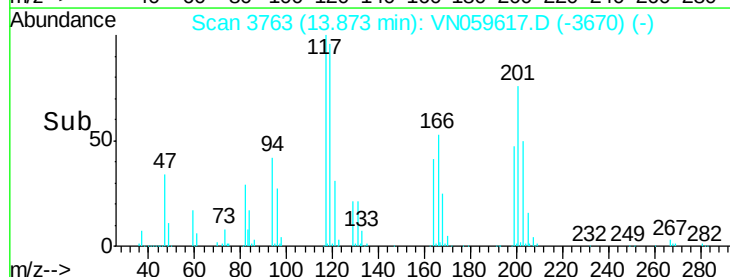
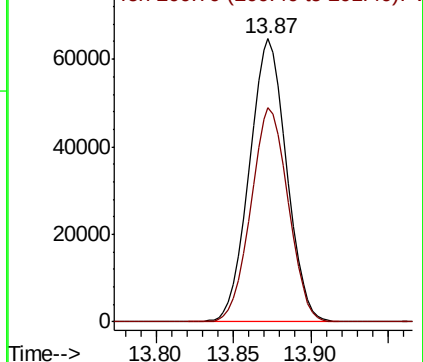
117 100

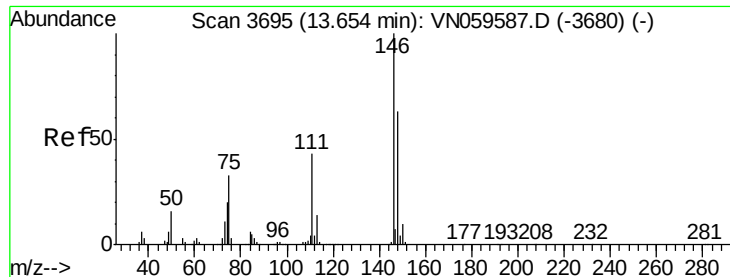
201 75.9 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

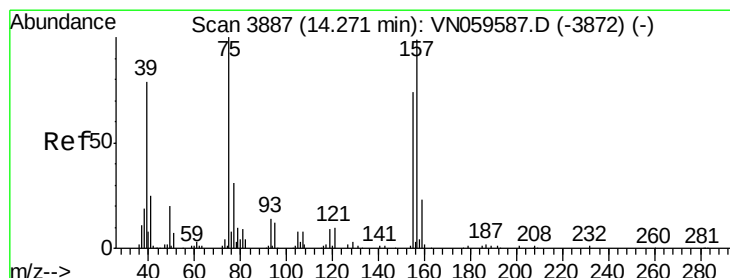
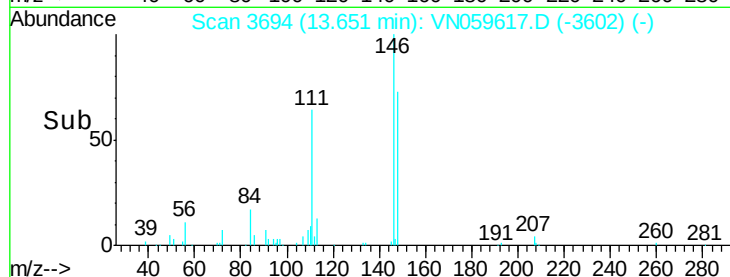
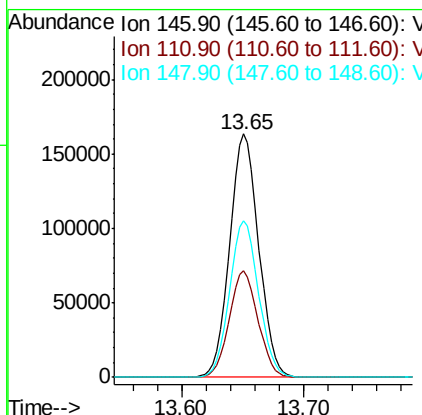
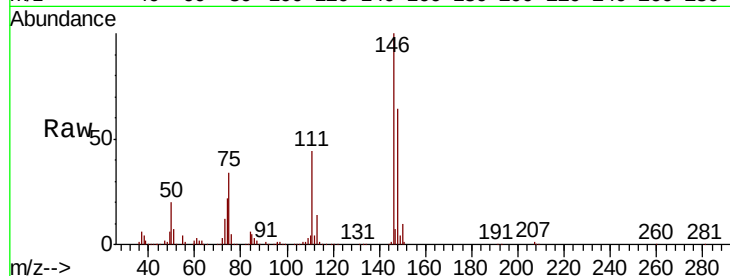




#91
 1,2-Dichlorobenzene
 Concen: 45.296 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

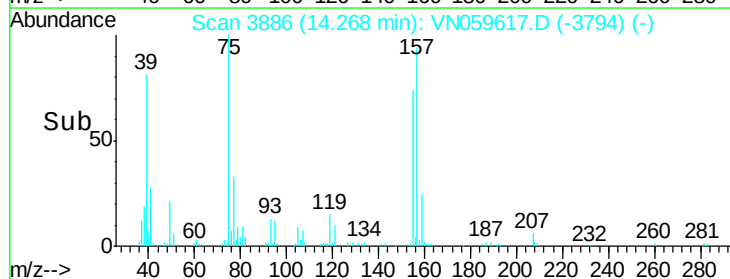
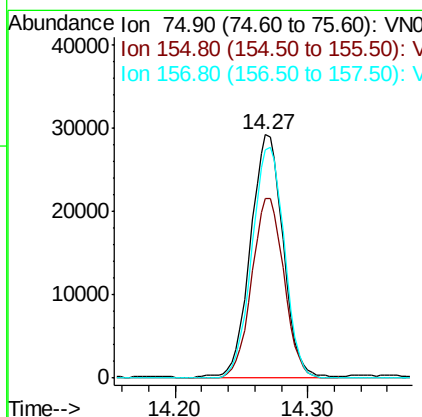
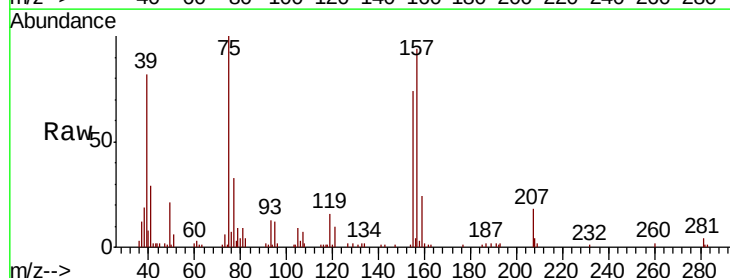
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

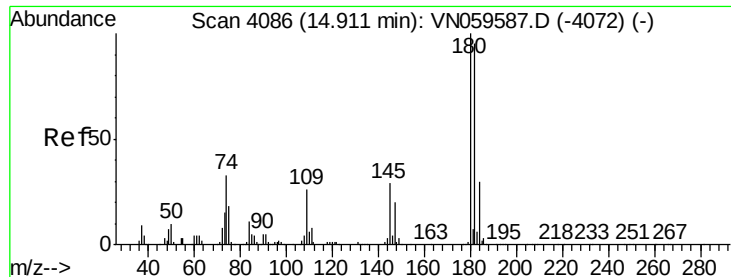
Tgt Ion: 146 Resp: 271324
 Ion Ratio Lower Upper
 146 100
 111 43.4 21.6 64.8
 148 64.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.552 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 75 Resp: 50377
 Ion Ratio Lower Upper
 75 100
 155 72.4 37.0 110.9
 157 93.6 48.4 145.2

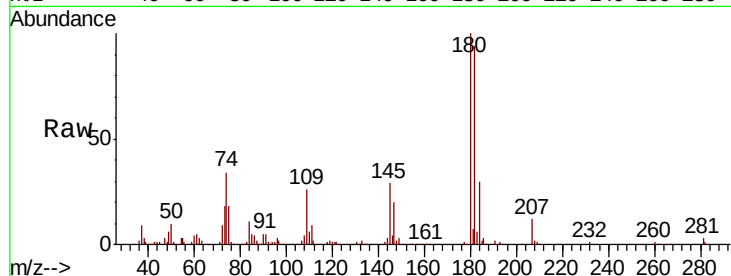




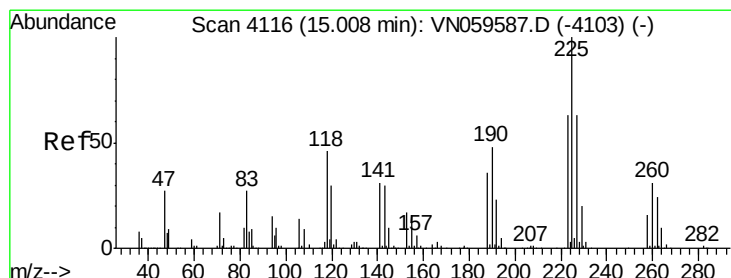
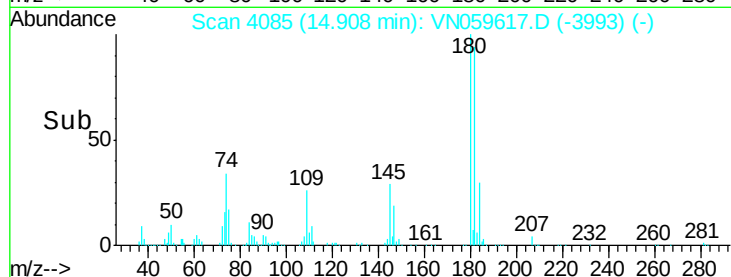
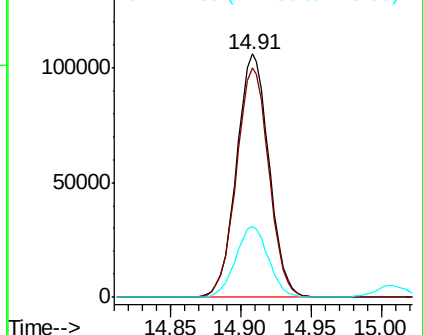
#93
 1,2,4-Trichlorobenzene
 Concen: 44.143 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 170744
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.9 140.7
 145 29.5 15.0 45.1

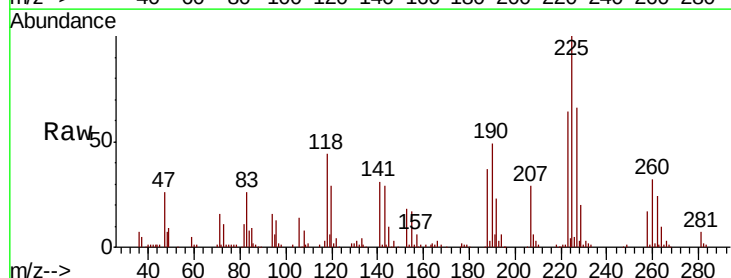


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

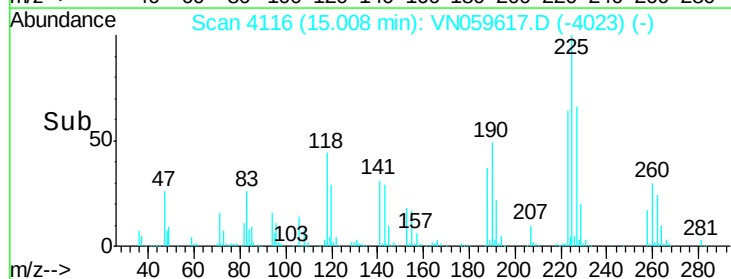
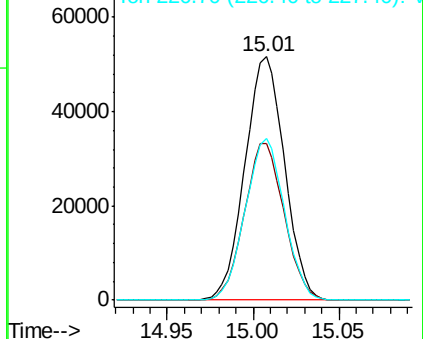


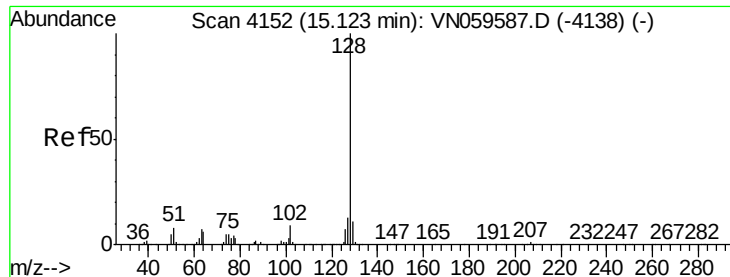
#94
 Hexachlorobutadiene
 Concen: 40.810 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion:225 Resp: 82690
 Ion Ratio Lower Upper
 225 100
 223 64.6 31.8 95.3
 227 65.6 32.1 96.5



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

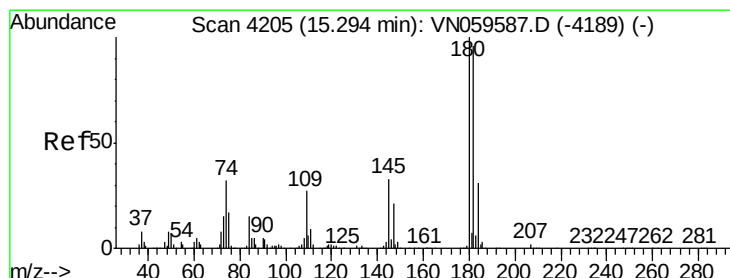
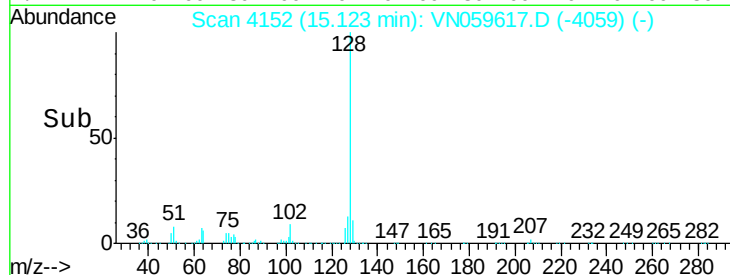
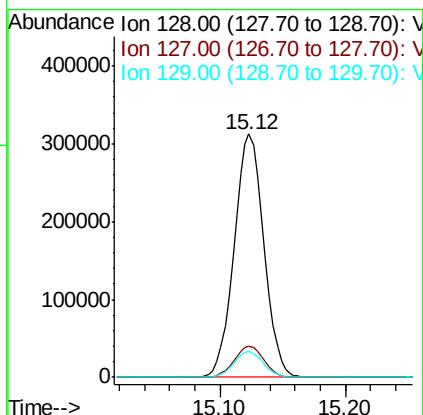
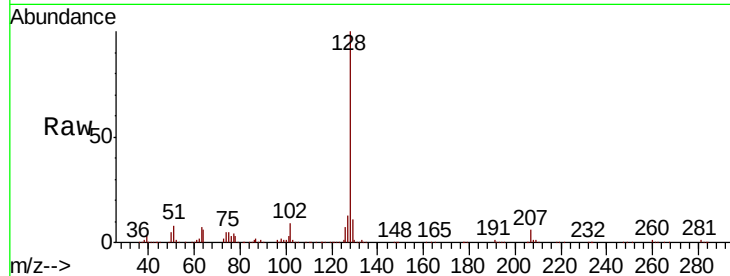




#95
Naphthalene
Concen: 44.378 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 512443
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 43.176 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion:180 Resp: 168911
Ion Ratio Lower Upper
180 100
182 96.1 47.4 142.3
145 32.8 16.3 48.9

