

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
 Data File : VL035188.D
 Acq On : 8 Jul 2020 17:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jul 08 17:51:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1208264	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2893170	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3403248	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2253726	8.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.01	85	1457831	8.609	ppbv	100
3) Chlorodifluoromethane	2.94	51	1210296	9.069	ppbv	100
4) Chloromethane	3.10	50	677048	9.001	ppbv	94
5) Vinyl Chloride	3.22	62	687680	8.555	ppbv	97
6) Bromomethane	3.44	94	438665	9.616	ppbv	98
7) Chloroethane	3.52	64	258566	9.099	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1666462	8.979	ppbv	98
9) Propene	2.97	41	482703	9.570	ppbv	98
10) Heptane	8.13	43	1388153	10.720	ppbv	99
11) Trichlorofluoromethane	3.92	101	1768999	9.251	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1243821	9.262	ppbv	100
13) Ethanol	3.57	45	109220	6.801	ppbv	95
14) Bromoethene	3.71	108	534373	9.669	ppbv	100
15) Acetone	3.82	43	1295088	7.917	ppbv	99
16) 1,3-Butadiene	3.29	39	628563	10.011	ppbv	100
17) tert-Butyl alcohol	4.26	59	1484243	10.255	ppbv	100
18) 1,1-Dichloroethene	4.26	96	564632	9.496	ppbv	96
19) Isopropyl Alcohol	3.93	45	948173	9.608	ppbv	# 98
20) Methylene Chloride	4.32	84	494983	6.954	ppbv	97
21) Allyl Chloride	4.39	41	921371	9.677	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	570822	9.616	ppbv	98
23) Vinyl Acetate	5.06	43	1762694	9.955	ppbv	97
24) 1,1-Dichloroethane	4.99	63	1413720	9.297	ppbv	99
25) Ethyl Acetate	5.66	43	2436901	9.600	ppbv	100
26) Hexane	5.68	57	1082687	9.673	ppbv	99
27) Carbon Disulfide	4.53	76	1567697	10.030	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1678574	9.843	ppbv	100
29) Chloroform	5.74	83	1753986	9.347	ppbv	96
30) Cyclohexane	7.13	84	912049	11.013	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	1078189	10.184	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	1736291	9.232	ppbv	99
34) 2-Butanone	5.23	43	1515184	9.812	ppbv	99
35) Carbon Tetrachloride	7.02	117	1823988	9.712	ppbv	97
36) Benzene	6.90	78	2116787	10.109	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1373517	9.774	ppbv	99
38) Trichloroethene	7.84	130	875848	10.265	ppbv	98
39) 1,2-Dichloropropane	7.62	63	842091	10.112	ppbv	99
40) 1,4-Dioxane	7.84	88	322426	9.726	ppbv	# 1
41) Tetrahydrofuran	6.04	42	824520	10.671	ppbv	99
42) Bromodichloromethane	7.80	83	1916471	10.213	ppbv	99
43) Methyl Methacrylate	8.02	69	1002003	11.320	ppbv	99

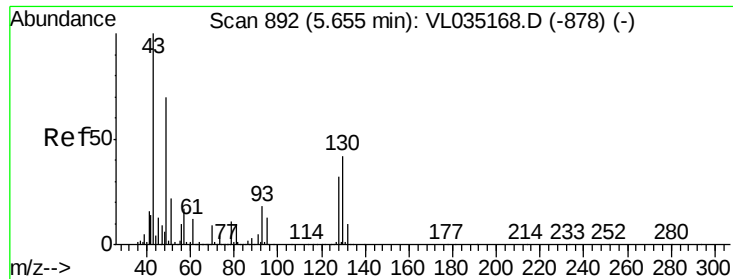
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3737924	10.342	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1114359	11.983	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1304359	11.831	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	930610	10.210	ppbv	97
48) Dibromochloromethane	10.33	129	1589673	10.719	ppbv	99
49) Bromoform	13.08	173	1429962	11.022	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2362553	10.660	ppbv	100
51) 2-Hexanone	10.15	43	1940911	11.485	ppbv #	99
52) Tetrachloroethene	11.25	164	782398	10.004	ppbv	98
53) Toluene	9.83	91	2518827	11.398	ppbv	99
54) 1,2-Dibromoethane	10.64	107	1418284	10.485	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1204872	7.991	ppbv	98
57) Chlorobenzene	12.18	112	1988173	7.926	ppbv	98
58) Ethyl Benzene	12.74	91	3462649	9.205	ppbv	98
59) m/p-Xylene	13.02	91	2919454	8.708	ppbv #	29
60) o-Xylene	13.73	91	2905411	8.686	ppbv	100
61) Styrene	13.56	104	2040768	9.874	ppbv	99
62) Isopropylbenzene	14.70	105	4295782	8.665	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	2111153	7.553	ppbv	100
64) n-propylbenzene	15.60	120	1136308	8.872	ppbv	98
65) tert-Butylbenzene	16.79	119	3808252	8.552	ppbv	99
66) Benzyl Chloride	17.04	91	1611663	10.159	ppbv	99
67) sec-Butylbenzene	17.34	105	5488342	8.455	ppbv	100
69) p-Isopropyltoluene	17.70	119	4557654	8.958	ppbv	100
70) n-Butylbenzene	18.59	91	4806132	8.909	ppbv	100
71) 2-Chlorotoluene	15.49	91	3342331	8.909	ppbv	100
72) 4-Ethyltoluene	15.88	105	3450180	9.155	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3271076	9.000	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3409922	8.490	ppbv	96
75) 1,3-Dichlorobenzene	17.04	146	1962508	7.716	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1965826	8.317	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1893510	8.269	ppbv	98
78) Hexachloro-1,3-Butadiene	23.42	225	1356295	7.495	ppbv	100
79) Naphthalene	22.26	128	2779141	10.694	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	972389	15.840	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1559465	9.472	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

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VSTDCCC010EC

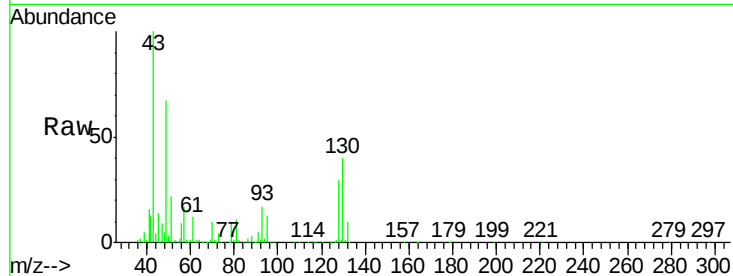
Tgt Ion: 49 Resp: 1208264

Ion Ratio Lower Upper

49 100

128 46.8 23.8 71.4

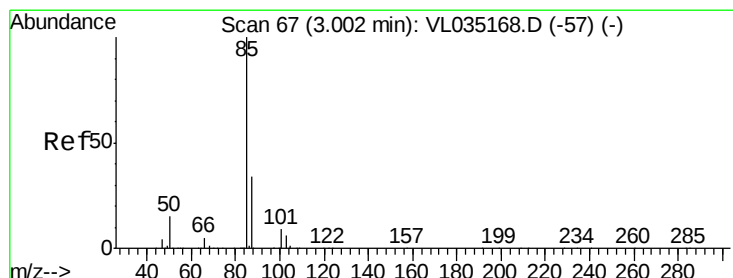
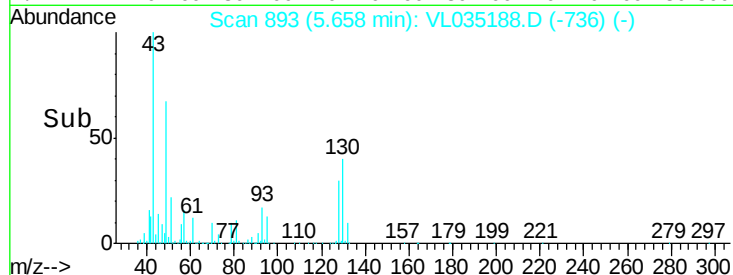
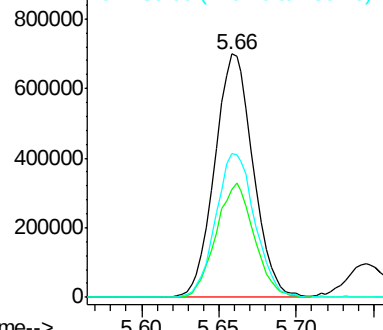
130 60.8 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.609 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035188.D

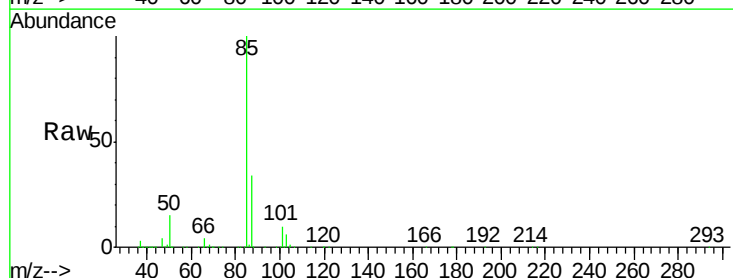
Acq: 8 Jul 2020 17:05

Tgt Ion: 85 Resp: 1457831

Ion Ratio Lower Upper

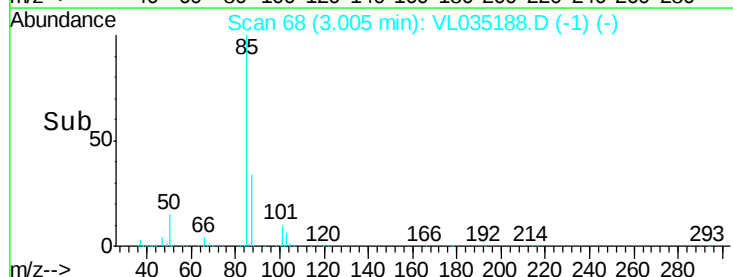
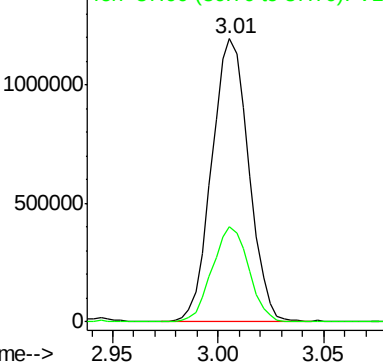
85 100

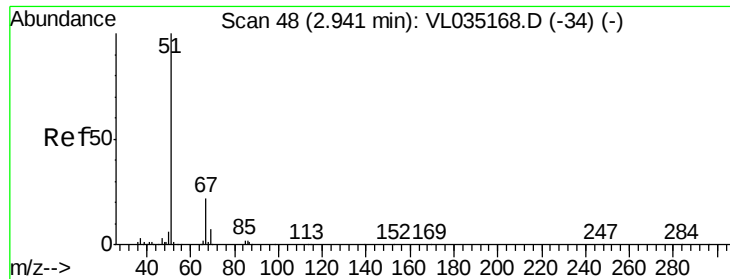
87 33.5 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

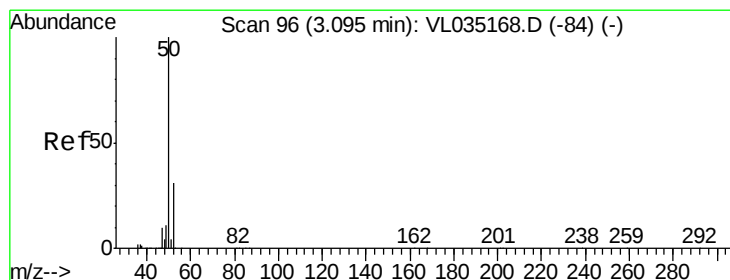
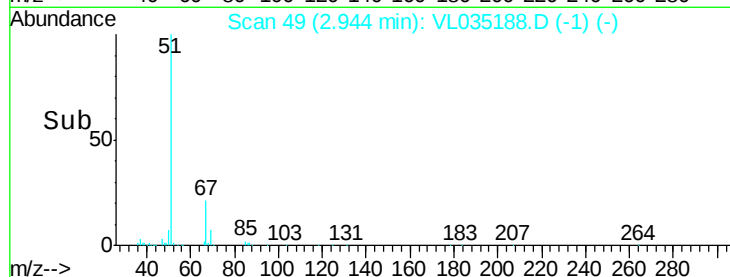
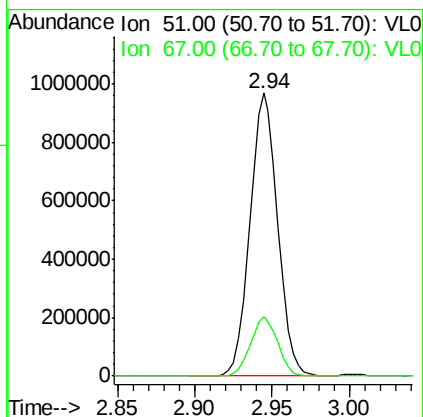
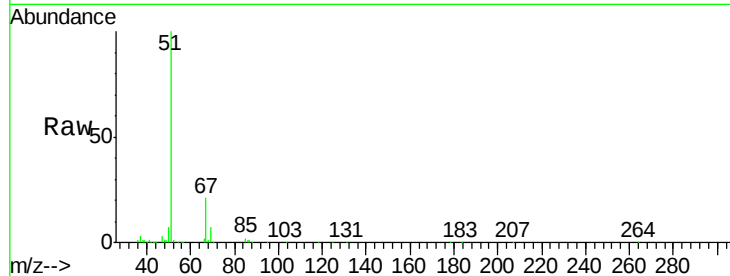




#3
 Chlorodifluoromethane
 Concen: 9.069 ppbv
 RT: 2.94 min Scan# 49
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

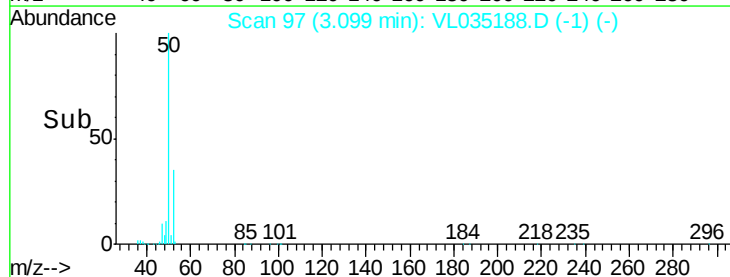
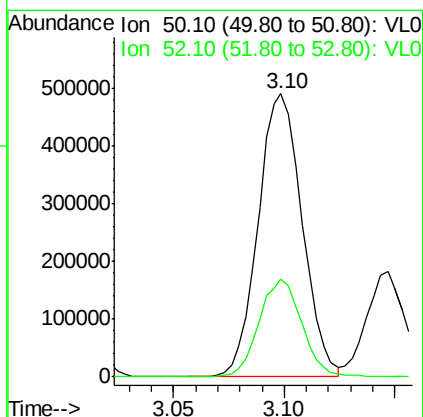
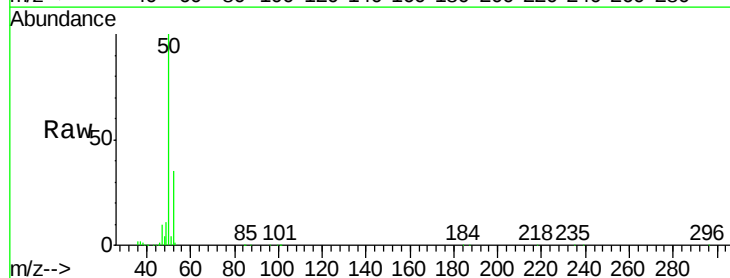
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

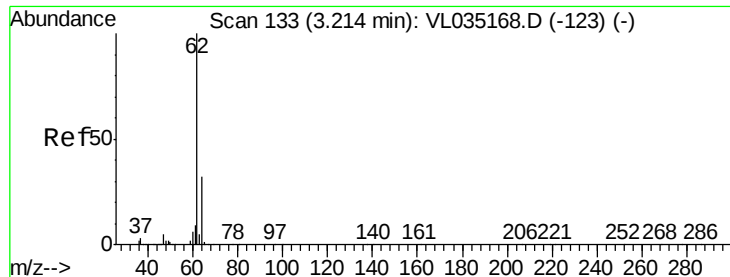
Tgt Ion: 51 Resp: 1210296
 Ion Ratio Lower Upper
 51 100
 67 20.5 16.6 24.8



#4
 Chloromethane
 Concen: 9.001 ppbv
 RT: 3.10 min Scan# 97
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 50 Resp: 677048
 Ion Ratio Lower Upper
 50 100
 52 34.8 25.0 37.6





#5

Vinyl Chloride

Concen: 8.555 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

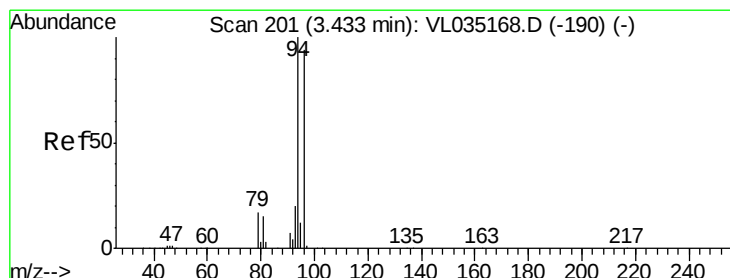
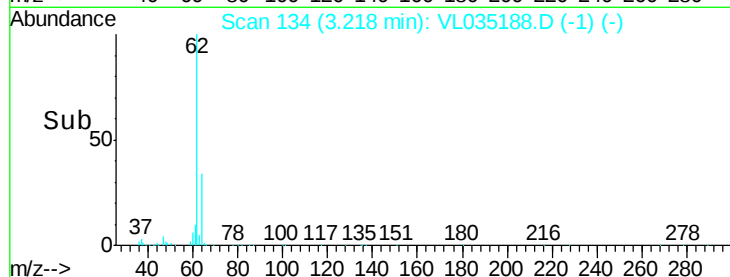
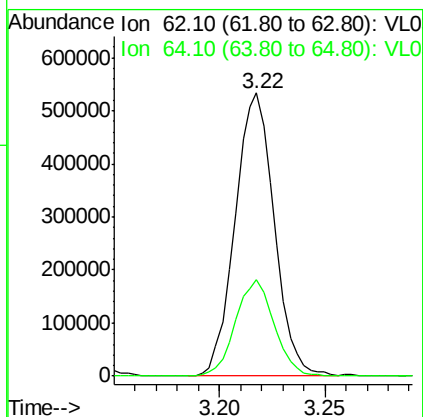
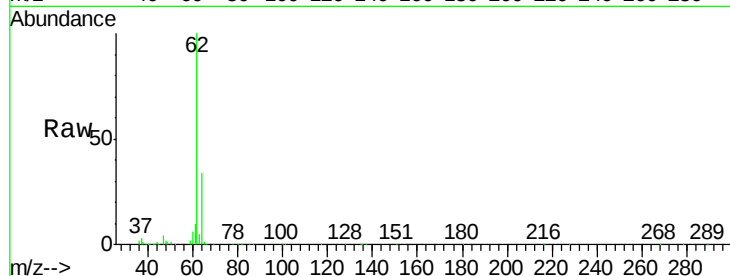
VSTDCCC010EC

Tgt Ion: 62 Resp: 687680

Ion Ratio Lower Upper

62 100

64 34.0 25.9 38.9



#6

Bromomethane

Concen: 9.616 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL035188.D

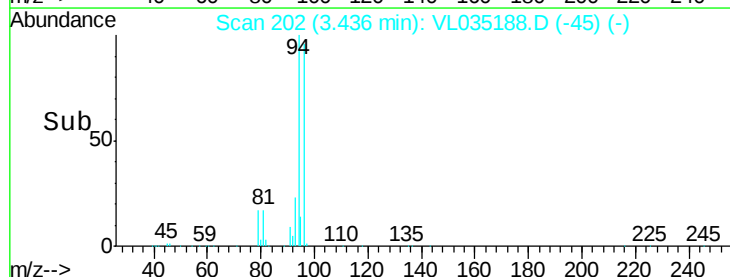
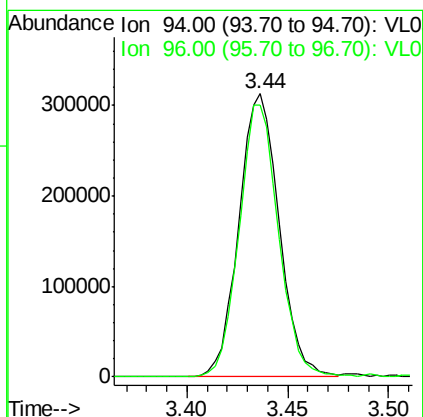
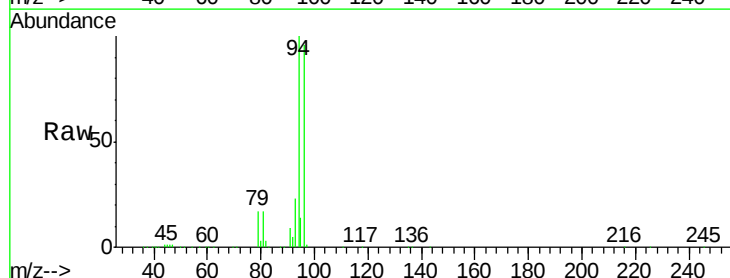
Acq: 8 Jul 2020 17:05

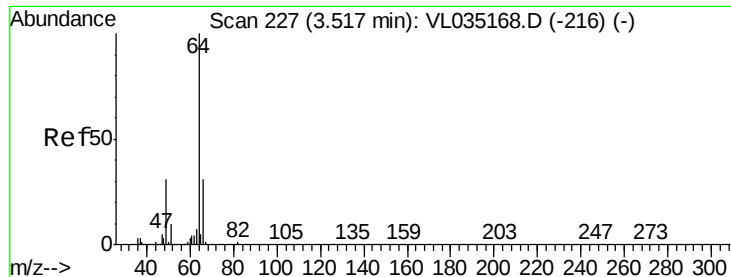
Tgt Ion: 94 Resp: 438665

Ion Ratio Lower Upper

94 100

96 95.8 74.8 112.2





#7

Chloroethane

Concen: 9.099 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

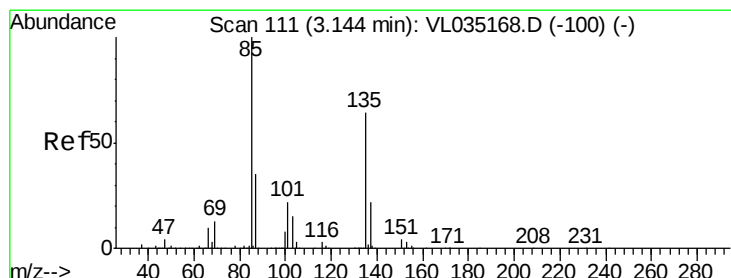
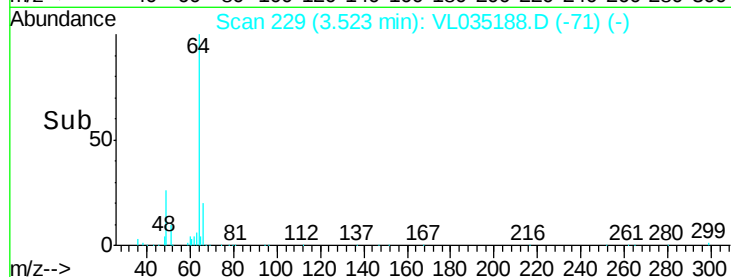
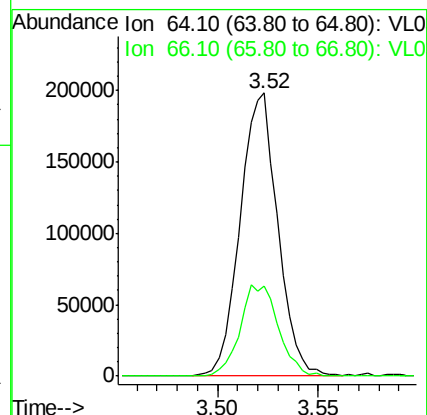
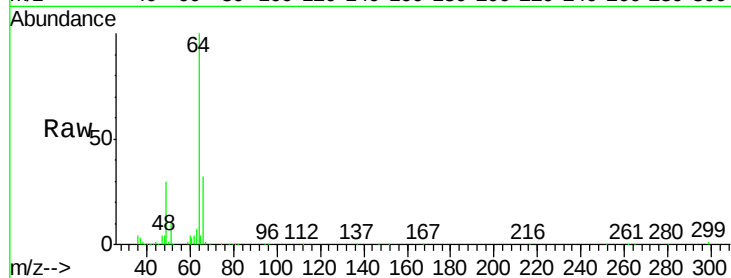
VSTDCCC010EC

Tgt Ion: 64 Resp: 258566

Ion Ratio Lower Upper

64 100

66 31.7 24.6 36.8



#8

Dichlorotetrafluoroethane

Concen: 8.979 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035188.D

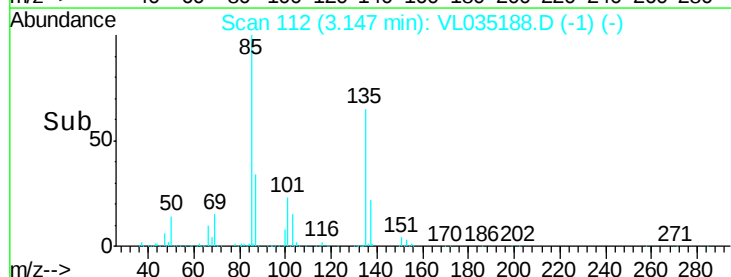
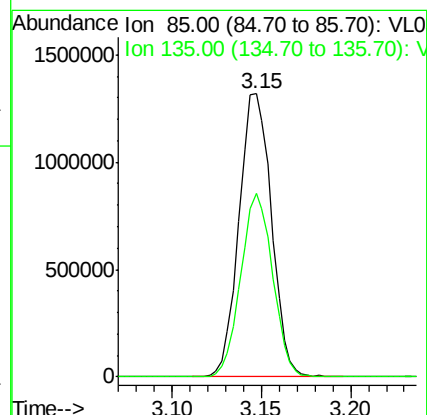
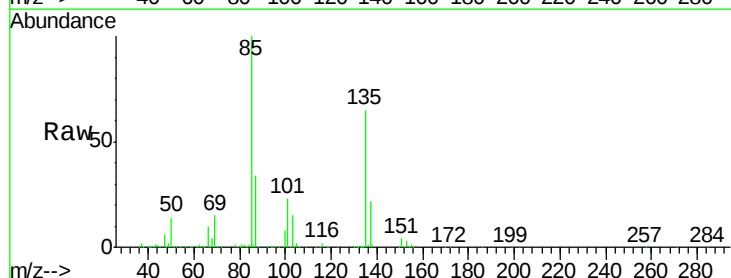
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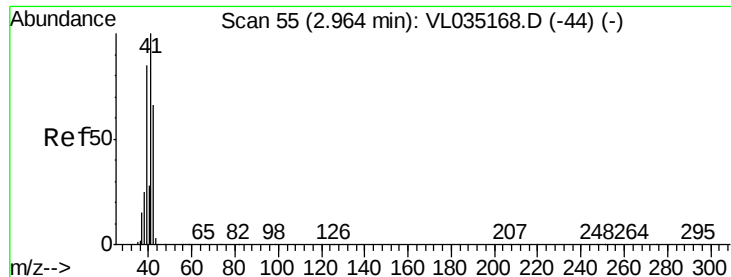
Tgt Ion: 85 Resp: 1666462

Ion Ratio Lower Upper

85 100

135 63.7 52.1 78.1





#9

Propene

Concen: 9.570 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

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ClientSampleId :

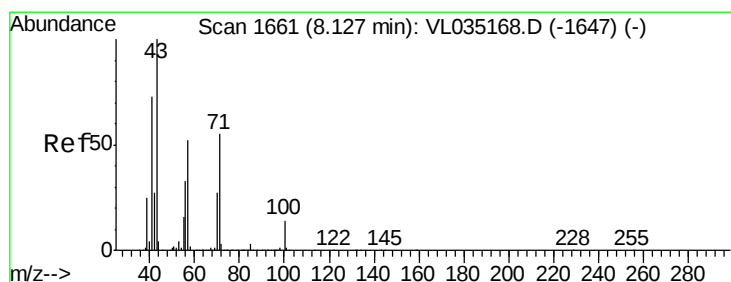
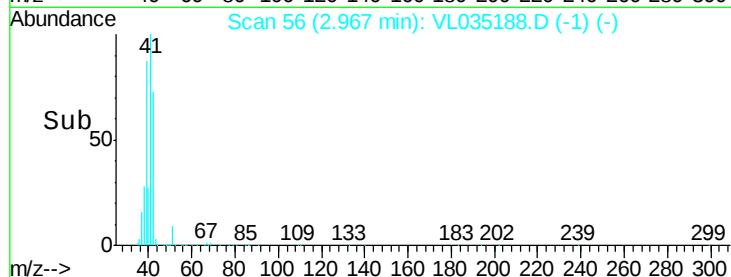
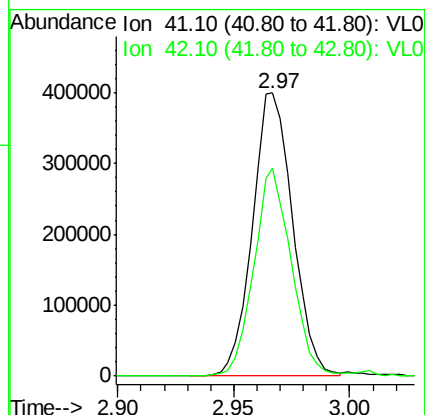
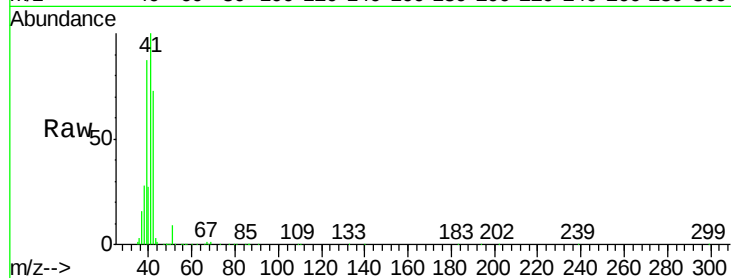
VSTDCCC010EC

Tgt Ion: 41 Resp: 482703

Ion Ratio Lower Upper

41 100

42 69.7 54.6 81.8



#10

Heptane

Concen: 10.720 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.00 min

Lab File: VL035188.D

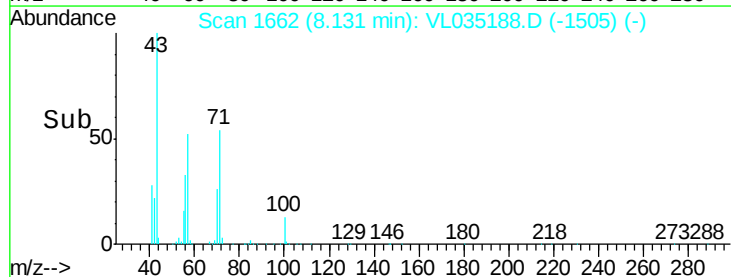
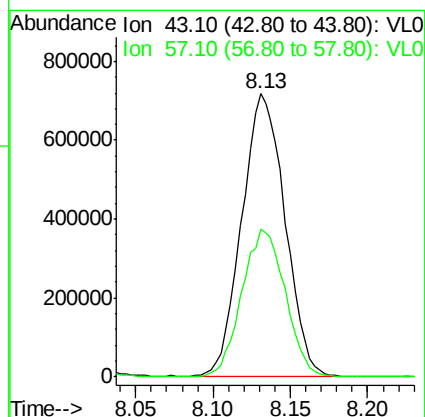
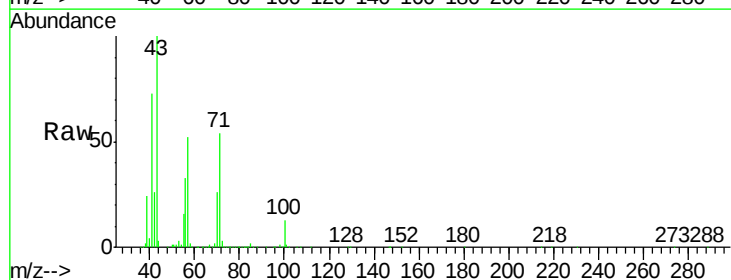
Acq: 8 Jul 2020 17:05

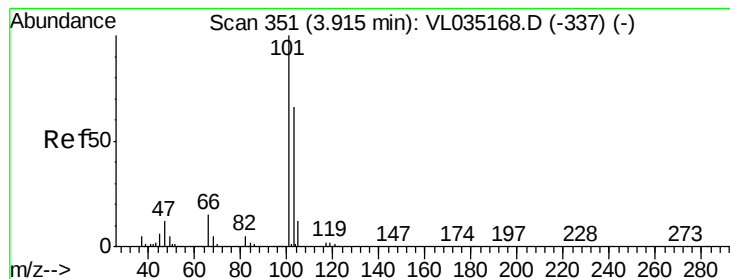
Tgt Ion: 43 Resp: 1388153

Ion Ratio Lower Upper

43 100

57 52.8 41.8 62.6





#11

Trichlorofluoromethane

Concen: 9.251 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

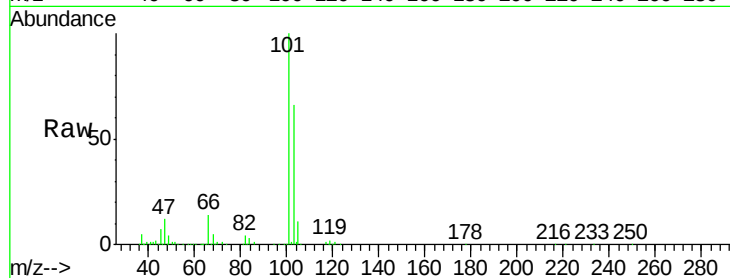
VSTDCCC010EC

Tgt Ion:101 Resp: 1768999

Ion Ratio Lower Upper

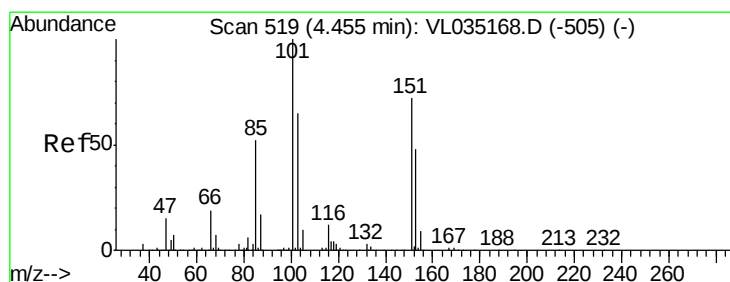
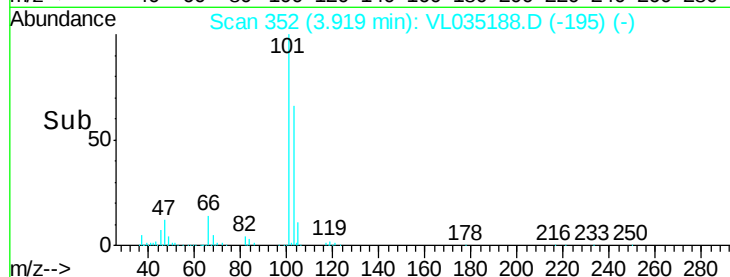
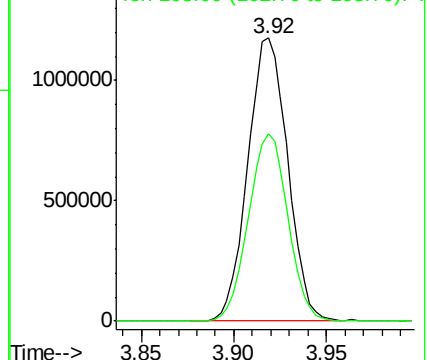
101 100

103 66.4 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.262 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.01 min

Lab File: VL035188.D

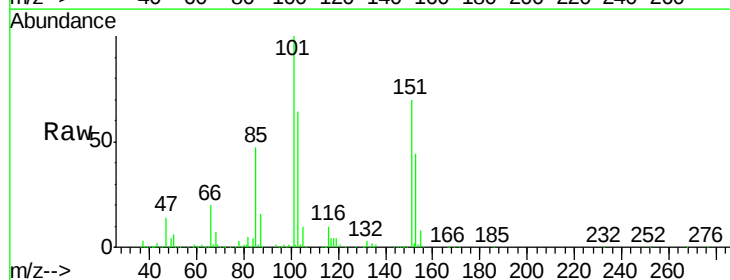
Acq: 8 Jul 2020 17:05

Tgt Ion:101 Resp: 1243821

Ion Ratio Lower Upper

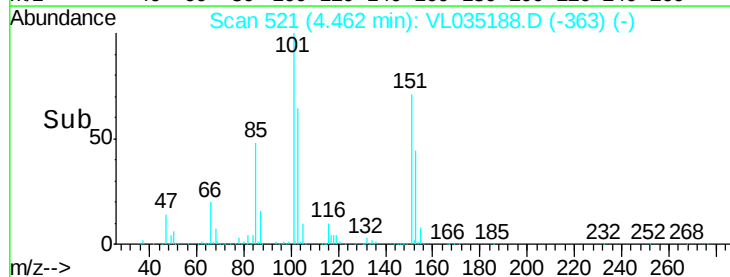
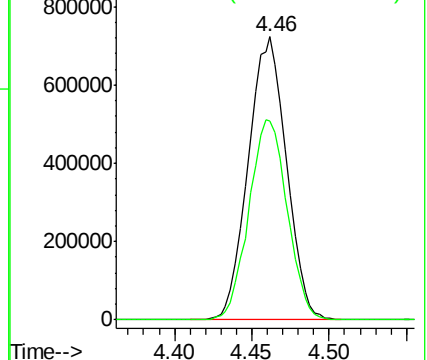
101 100

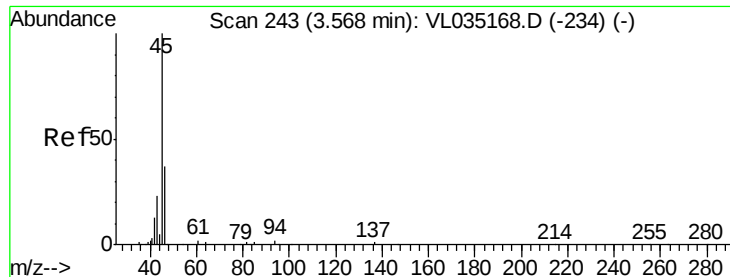
151 71.2 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.801 ppbv

RT: 3.57 min Scan# 244

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

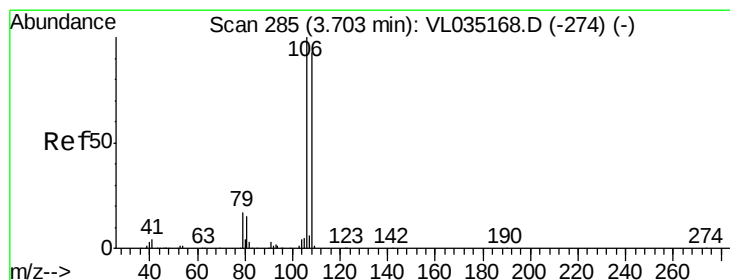
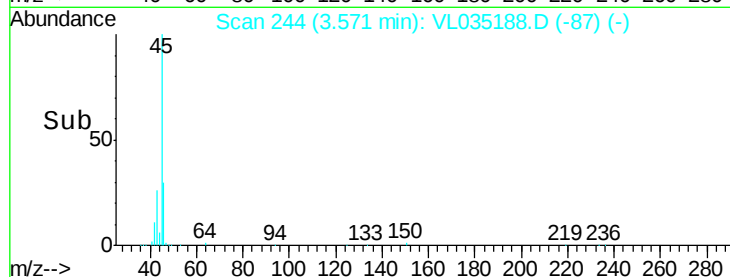
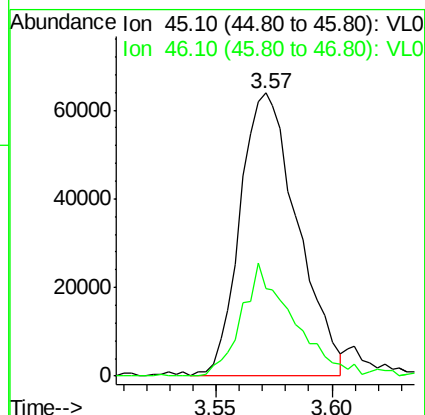
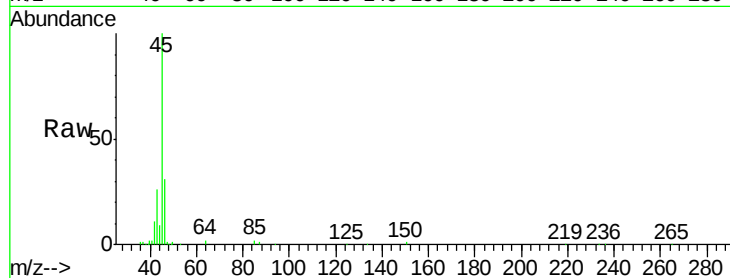
VSTDCCC010EC

Tgt Ion: 45 Resp: 109220

Ion Ratio Lower Upper

45 100

46 37.3 16.2 65.0



#14

Bromoethene

Concen: 9.669 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

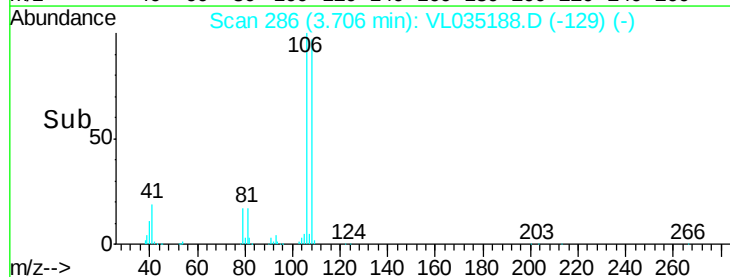
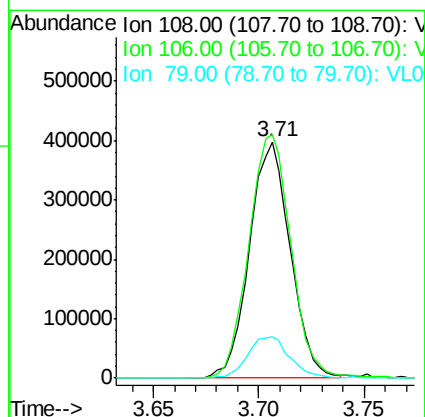
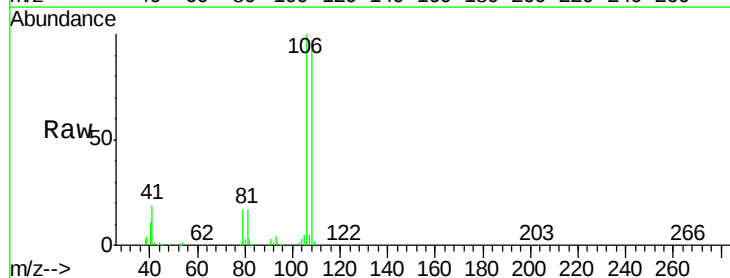
Tgt Ion: 108 Resp: 534373

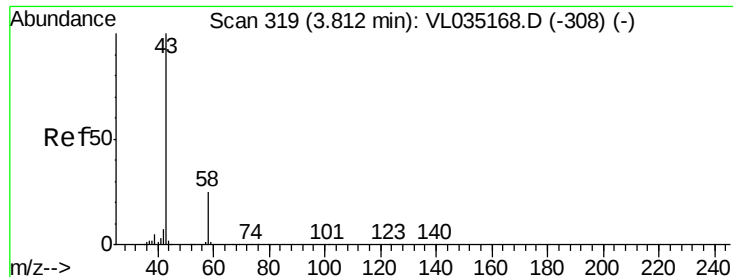
Ion Ratio Lower Upper

108 100

106 107.3 86.2 129.2

79 18.5 15.0 22.6





#15

Acetone

Concen: 7.917 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

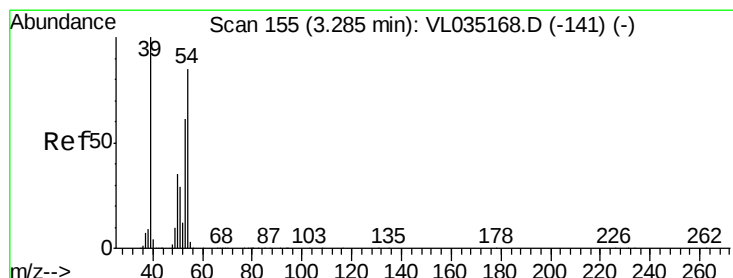
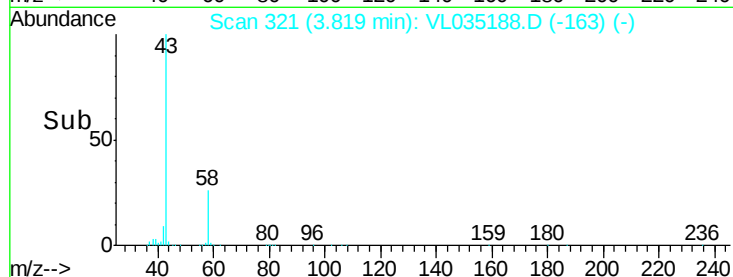
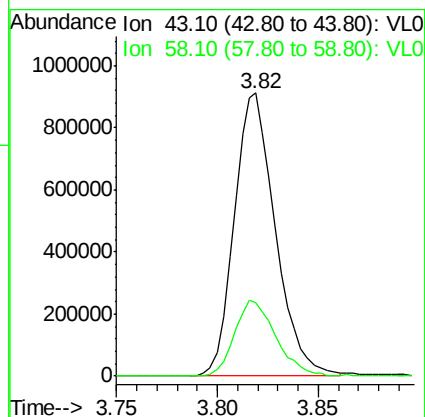
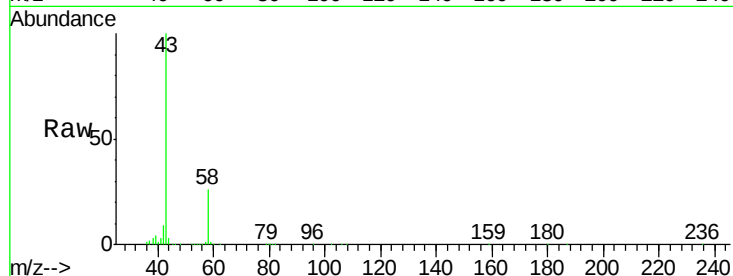
VSTDCCC010EC

Tgt Ion: 43 Resp: 1295088

Ion Ratio Lower Upper

43 100

58 27.2 21.3 31.9



#16

1,3-Butadiene

Concen: 10.011 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035188.D

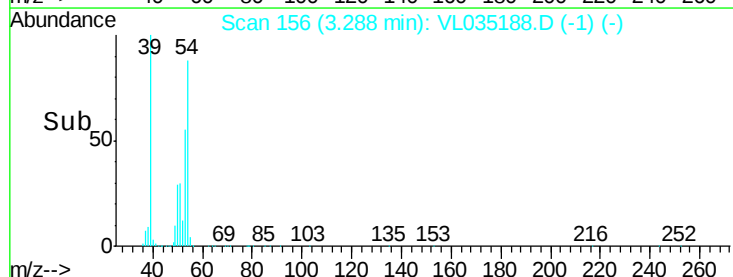
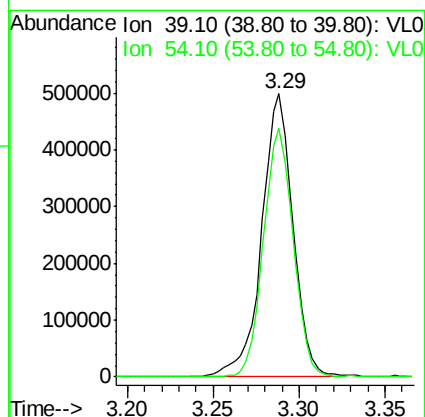
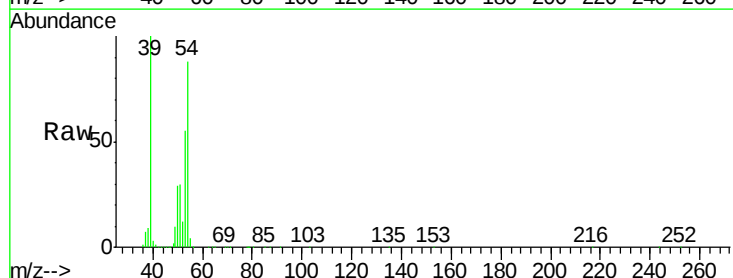
Acq: 8 Jul 2020 17:05

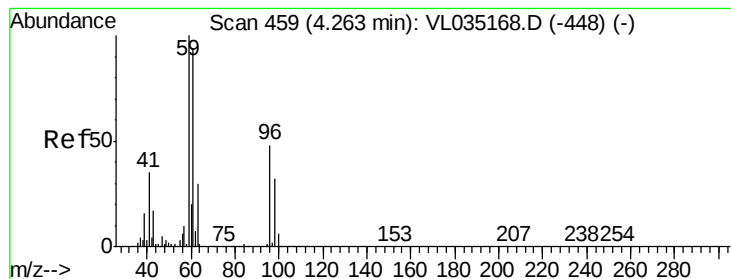
Tgt Ion: 39 Resp: 628563

Ion Ratio Lower Upper

39 100

54 83.9 67.2 100.8





#17

tert-Butyl alcohol

Concen: 10.255 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

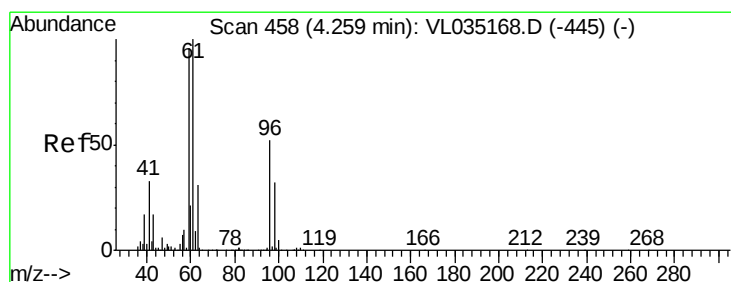
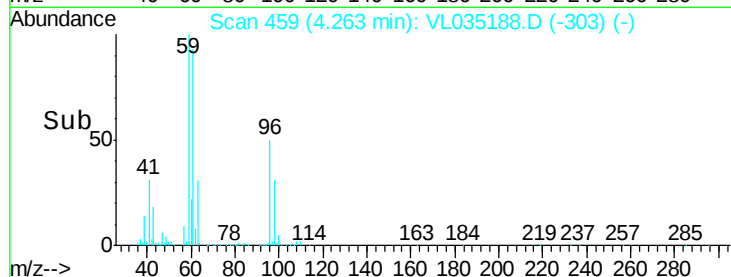
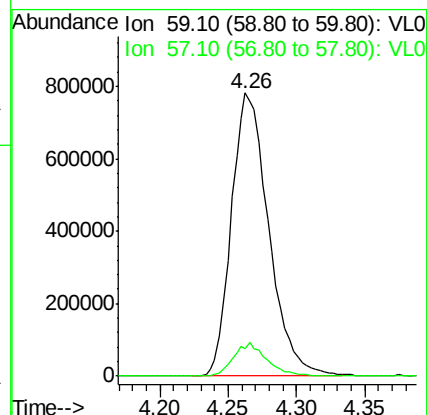
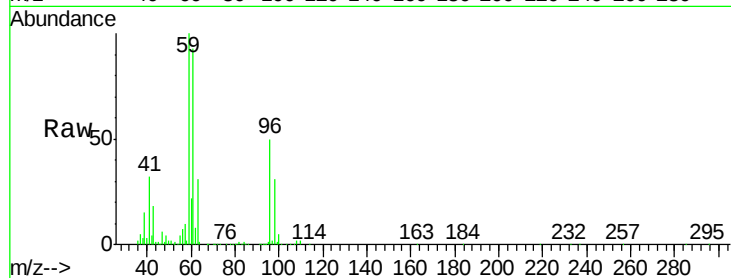
VSTDCCC010EC

Tgt Ion: 59 Resp: 1484243

Ion Ratio Lower Upper

59 100

57 10.6 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.496 ppbv

RT: 4.26 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

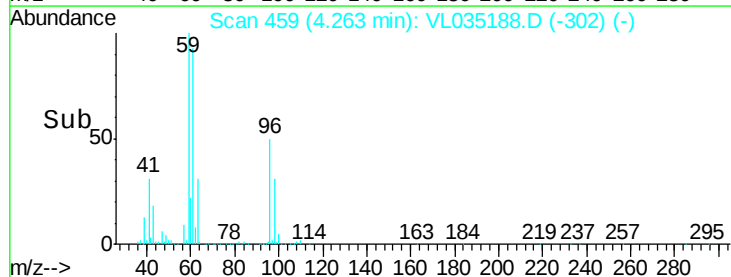
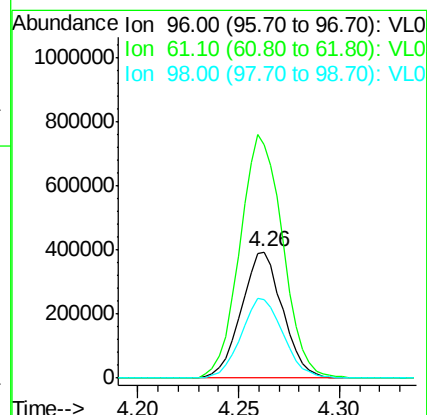
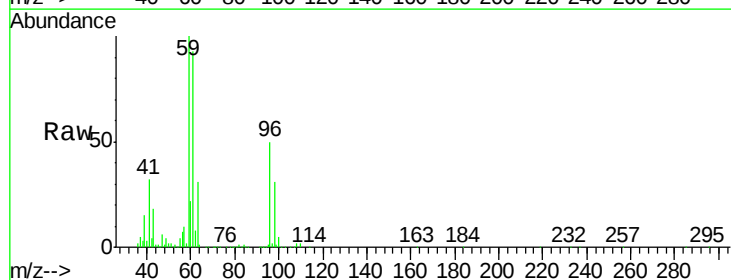
Tgt Ion: 96 Resp: 564632

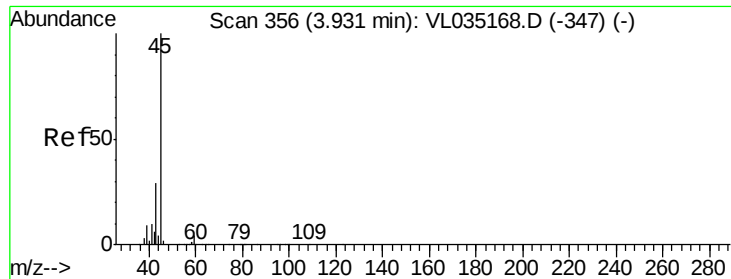
Ion Ratio Lower Upper

96 100

61 184.6 152.9 229.3

98 62.5 48.7 73.1





#19

Isopropyl Alcohol

Concen: 9.608 ppbv

RT: 3.93 min Scan# 357

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

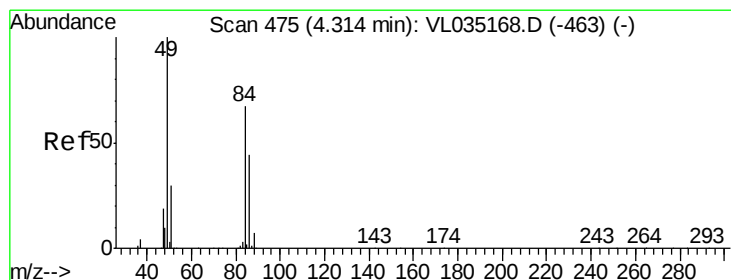
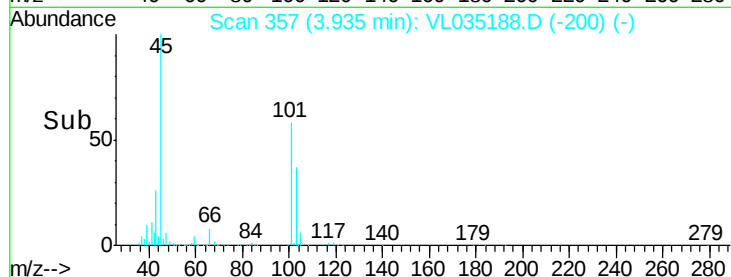
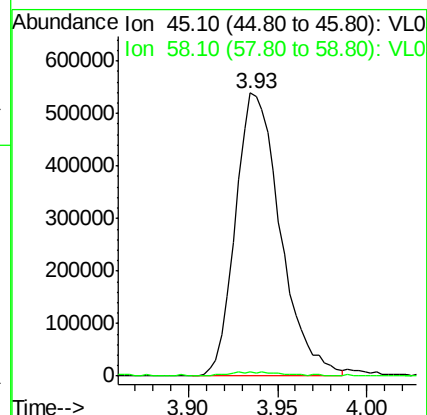
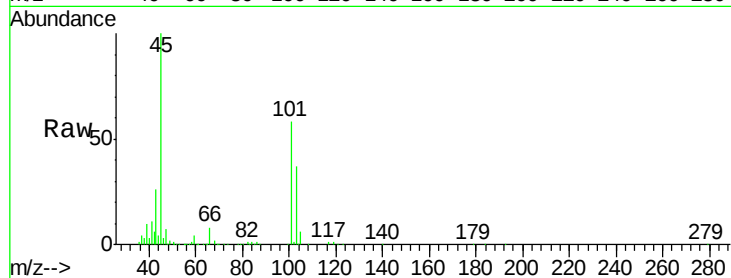
VSTDCCC010EC

Tgt Ion: 45 Resp: 948173

Ion Ratio Lower Upper

45 100

58 1.9 2.1 3.1#



#20

Methylene Chloride

Concen: 6.954 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Tgt Ion: 84 Resp: 494983

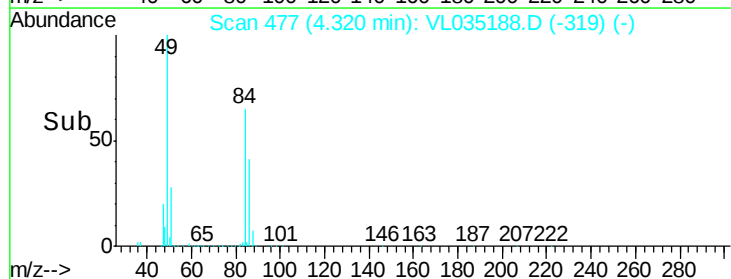
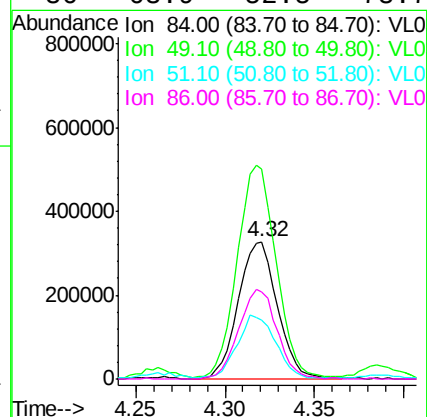
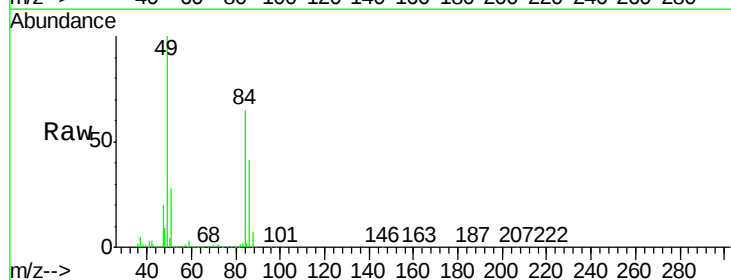
Ion Ratio Lower Upper

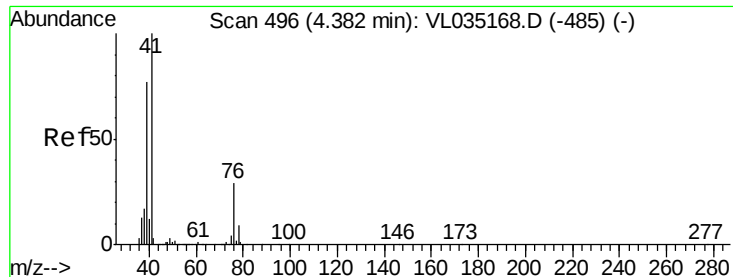
84 100

49 153.1 119.4 179.0

51 42.9 36.6 55.0

86 63.9 52.5 78.7





#21

Allyl Chloride

Concen: 9.677 ppbv

RT: 4.39 min Scan# 498

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

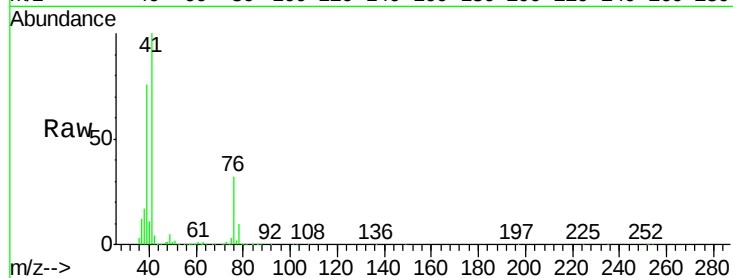
Tgt Ion: 41 Resp: 921371

Ion Ratio Lower Upper

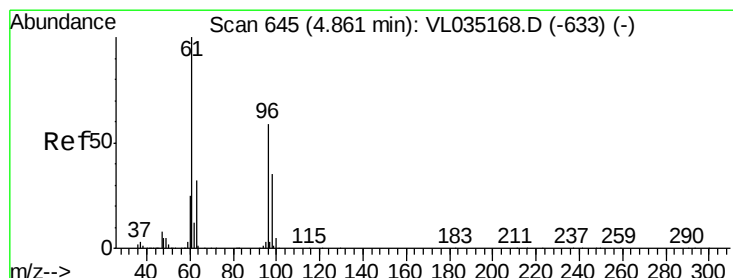
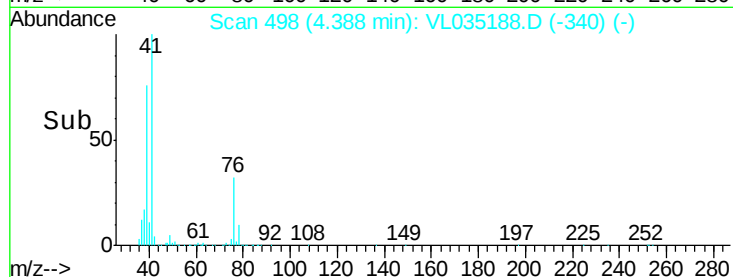
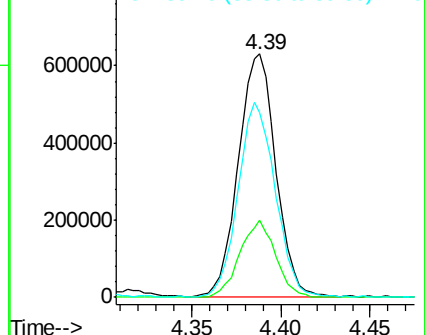
41 100

76 30.4 23.5 35.3

39 80.1 63.4 95.0



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.616 ppbv

RT: 4.86 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

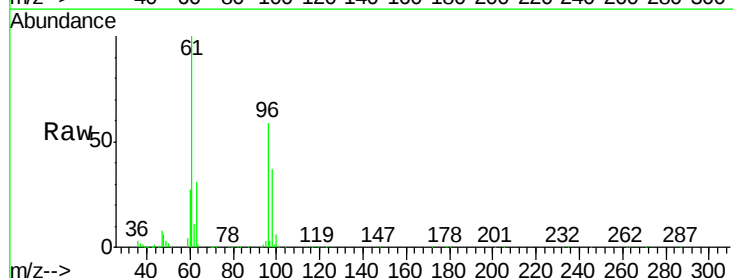
Tgt Ion: 96 Resp: 570822

Ion Ratio Lower Upper

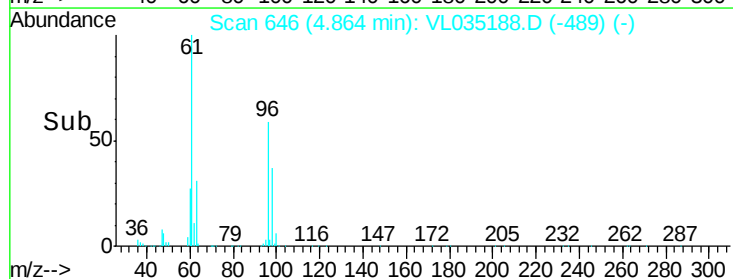
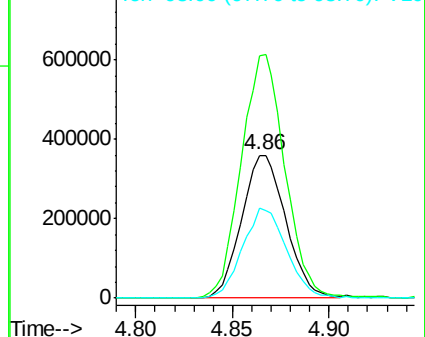
96 100

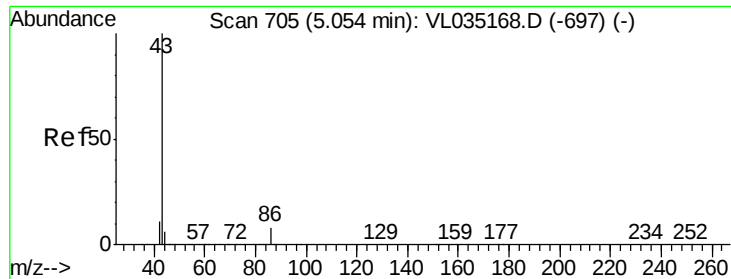
61 169.1 136.5 204.7

98 62.6 47.5 71.3



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.955 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1762694

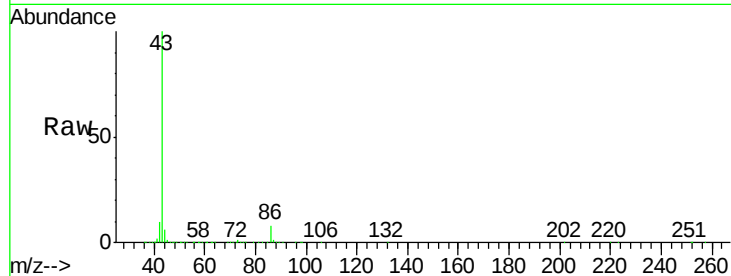
Ion Ratio Lower Upper

43 100

86 8.1 6.2 9.2

42 9.8 9.1 13.7

44 5.3 4.6 6.8

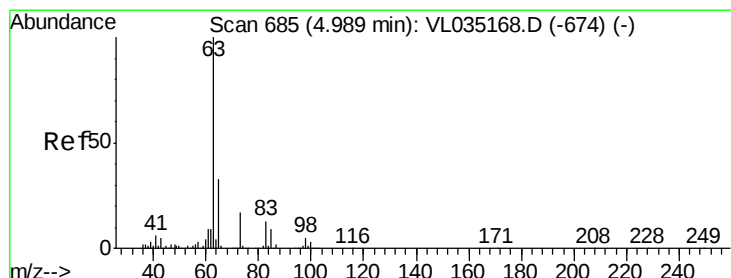
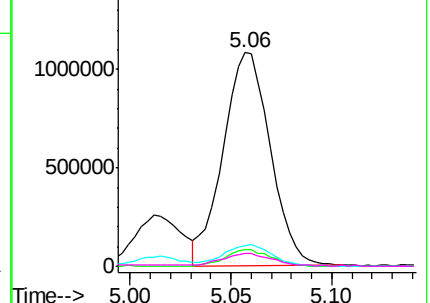
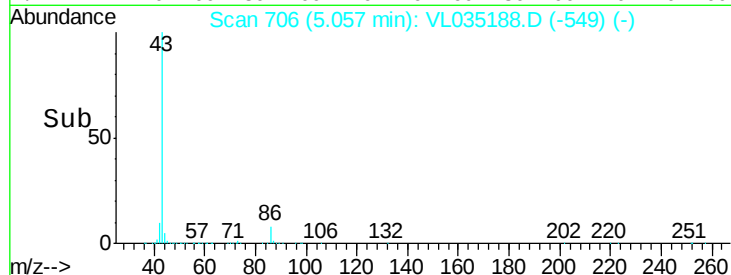


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.297 ppbv

RT: 4.99 min Scan# 686

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

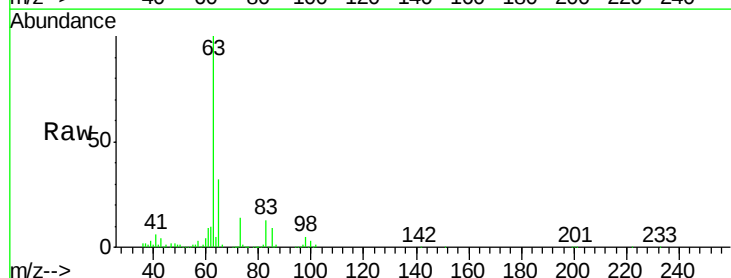
Tgt Ion: 63 Resp: 1413720

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.1

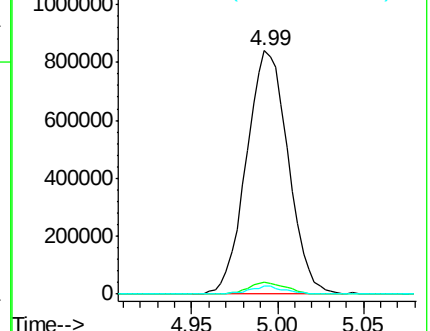
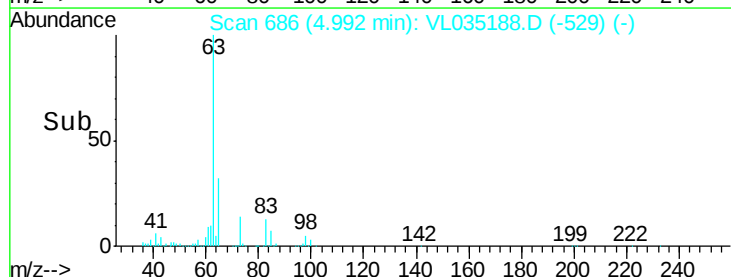
100 3.3 1.4 4.0

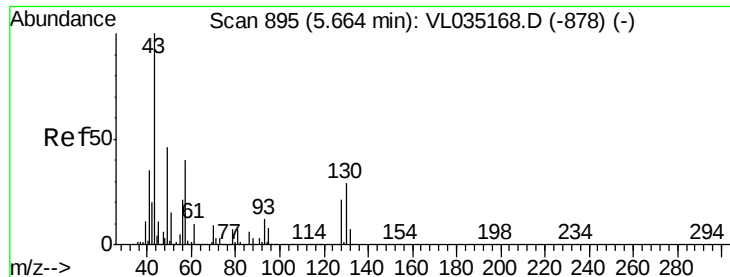


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



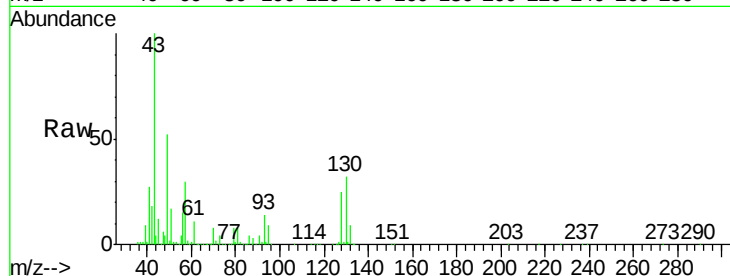


#25
Ethyl Acetate
Concen: 9.600 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

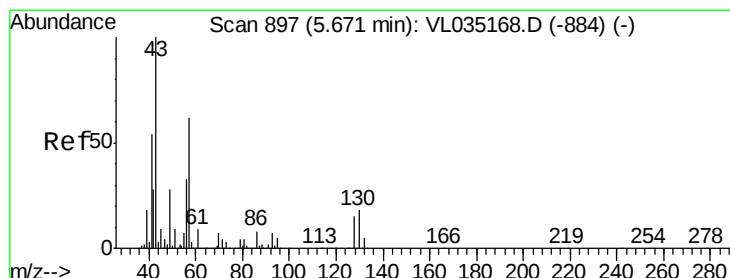
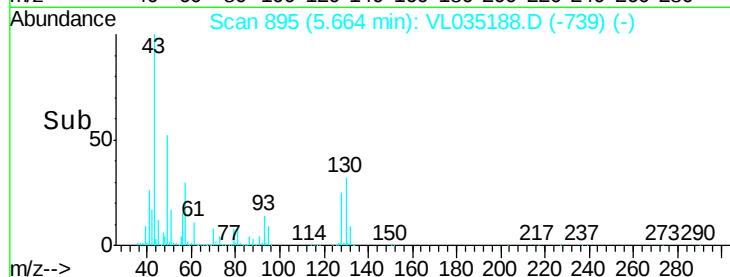
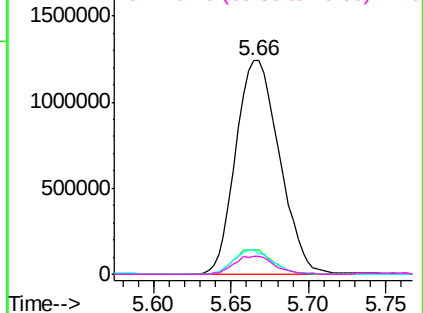
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2436901

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.5	12.7
61	10.0	8.1	12.1
70	7.9	6.3	9.5



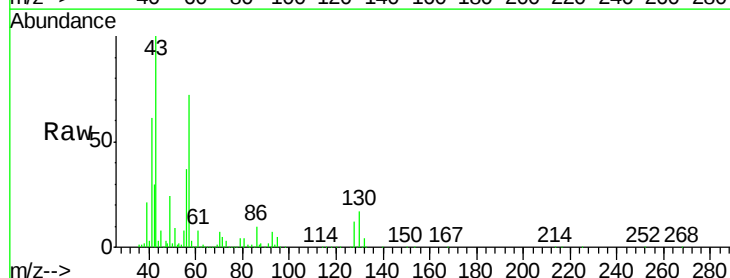
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



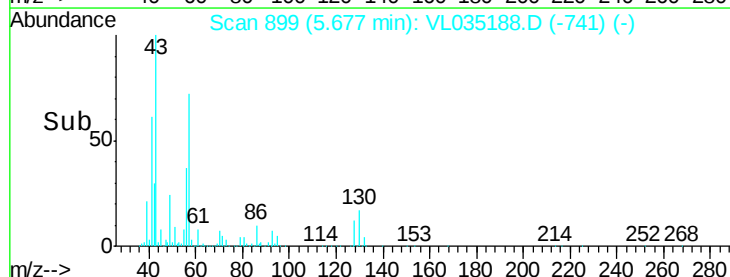
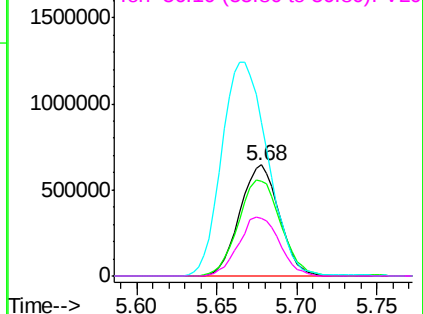
#26
Hexane
Concen: 9.673 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

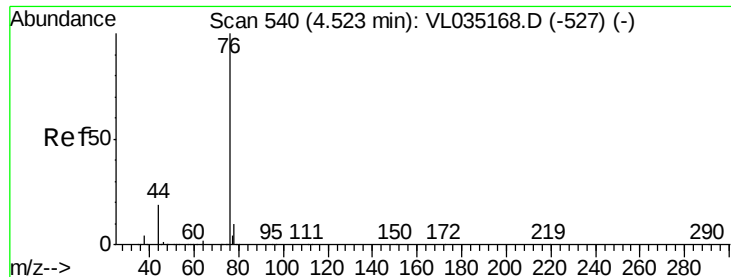
Tgt Ion: 57 Resp: 1082687

Ion	Ratio	Lower	Upper
57	100		
41	93.2	72.9	109.3
43	226.2	179.5	269.3
56	54.7	42.9	64.3



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

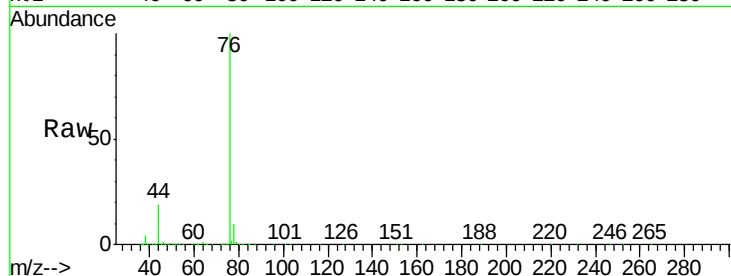




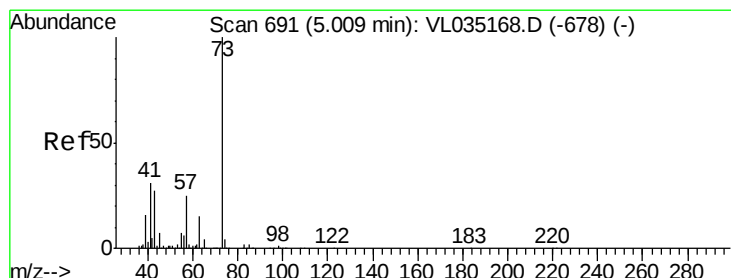
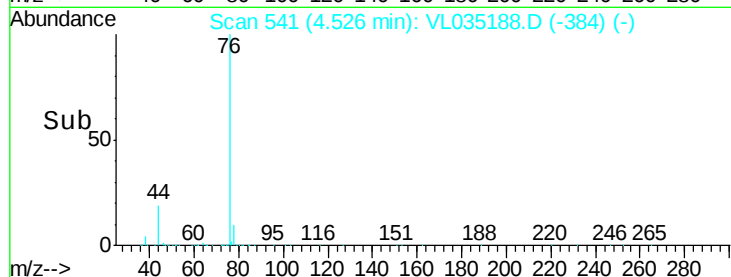
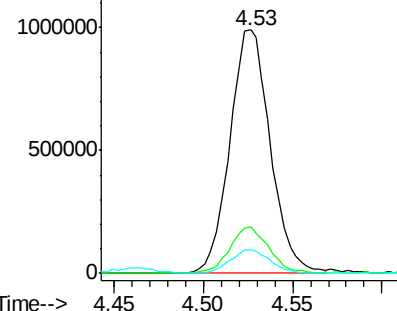
#27
Carbon Disulfide
Concen: 10.030 ppbv
RT: 4.53 min Scan# 541
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1567697
Ion Ratio Lower Upper
76 100
44 18.7 14.9 22.3
78 9.5 7.5 11.3

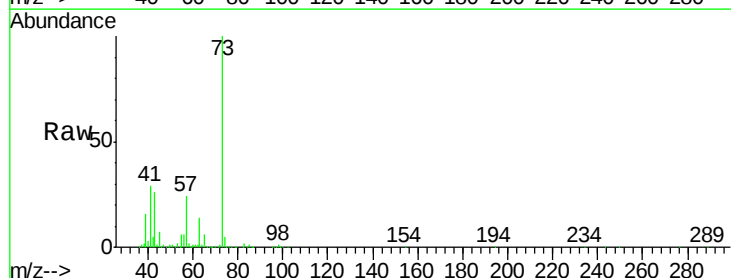


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

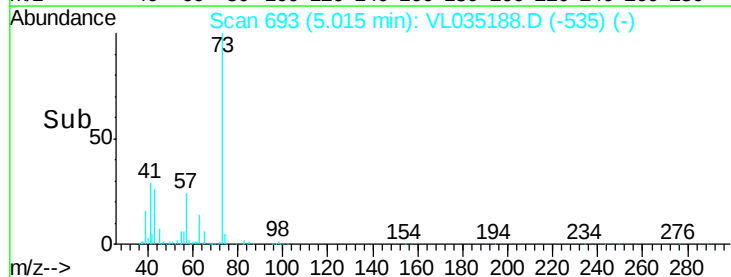
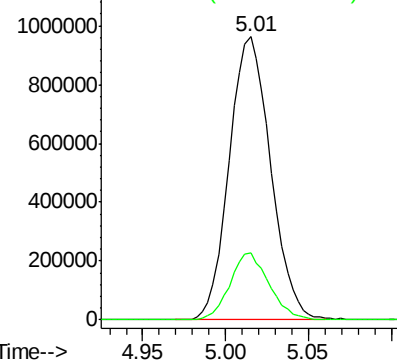


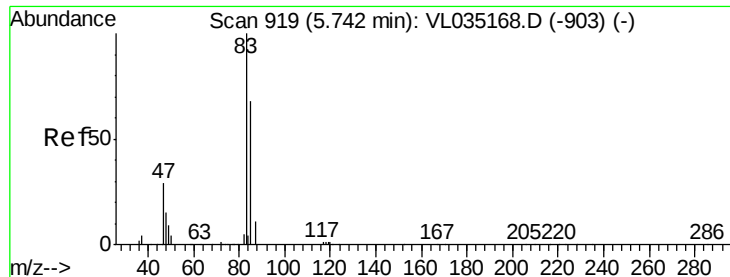
#28
Methyl tert-Butyl Ether
Concen: 9.843 ppbv
RT: 5.01 min Scan# 693
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 73 Resp: 1678574
Ion Ratio Lower Upper
73 100
57 22.5 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.347 ppbv

RT: 5.74 min Scan# 920

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

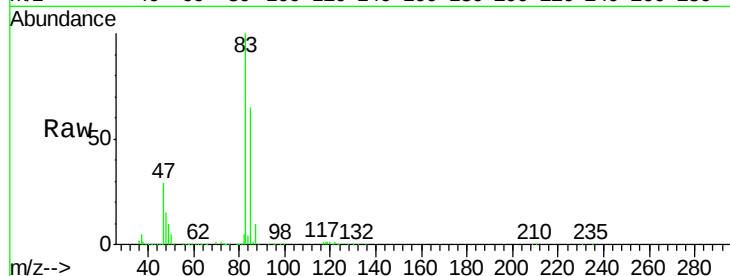
VSTDCCC010EC

Tgt Ion: 83 Resp: 1753986

Ion Ratio Lower Upper

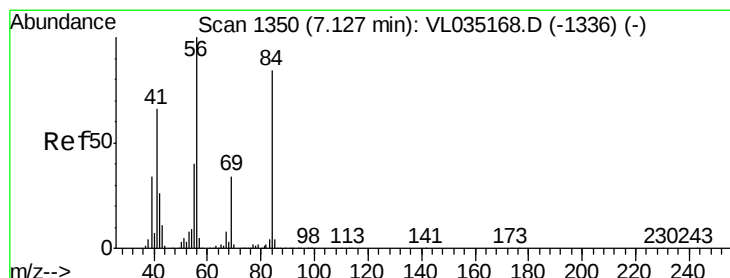
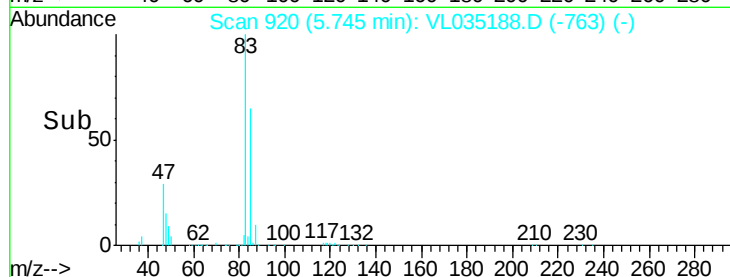
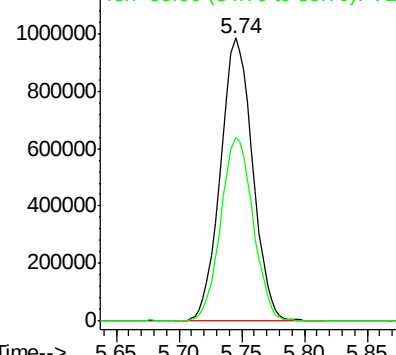
83 100

85 65.0 54.3 81.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 11.013 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

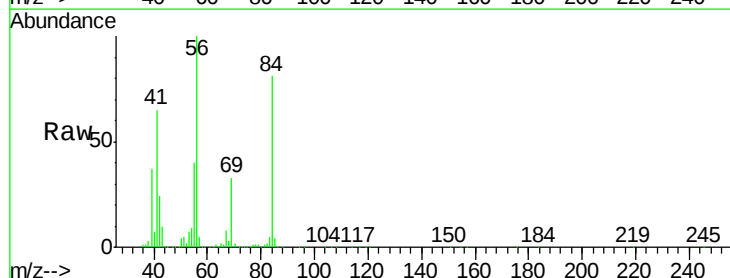
Tgt Ion: 84 Resp: 912049

Ion Ratio Lower Upper

84 100

56 132.3 105.6 158.4

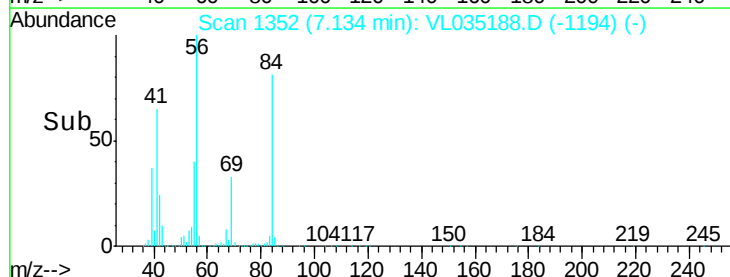
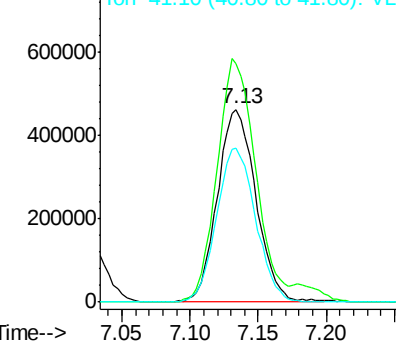
41 80.8 64.9 97.3

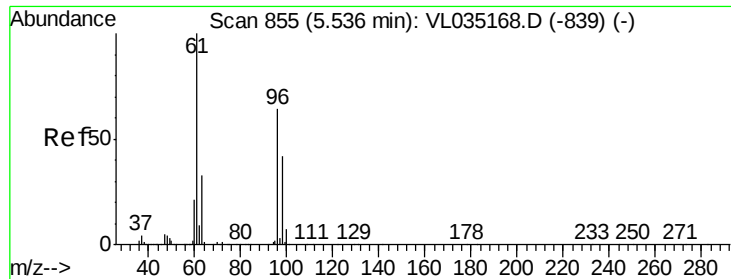


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 10.184 ppbv

RT: 5.54 min Scan# 856

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

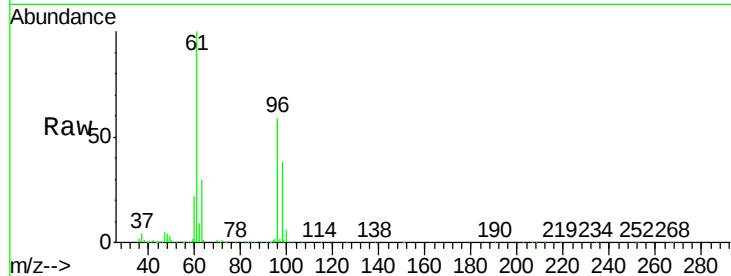
Tgt Ion: 61 Resp: 1078189

Ion Ratio Lower Upper

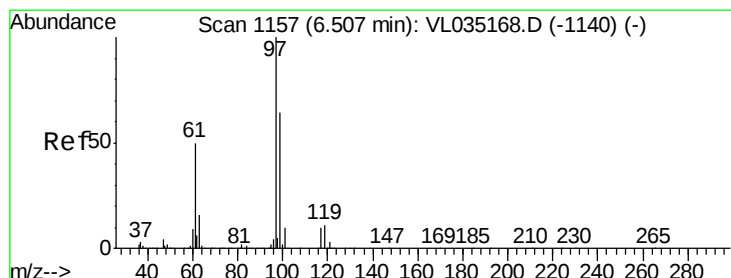
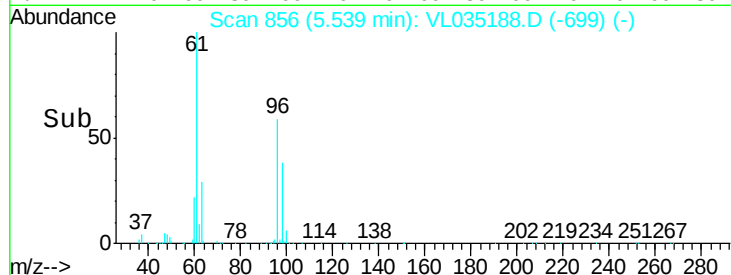
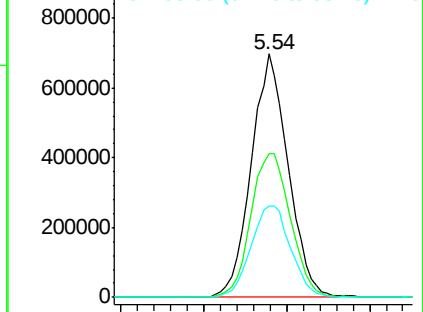
61 100

96 59.0 51.3 76.9

98 37.7 33.8 50.8



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.232 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

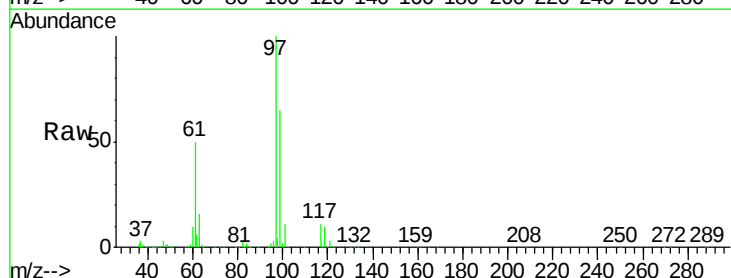
Tgt Ion: 97 Resp: 1736291

Ion Ratio Lower Upper

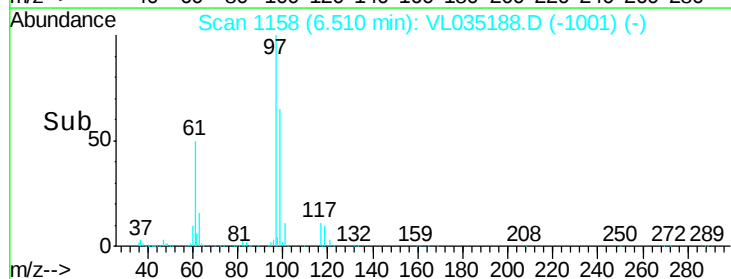
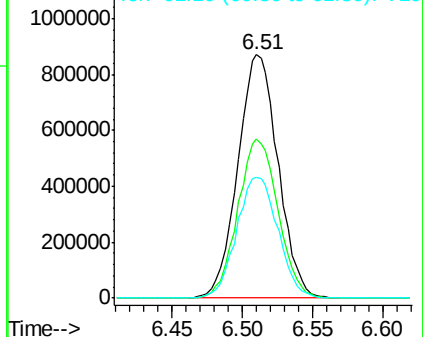
97 100

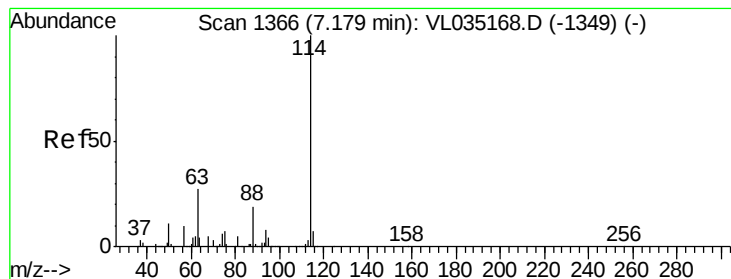
99 65.6 51.2 76.8

61 51.3 40.9 61.3



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

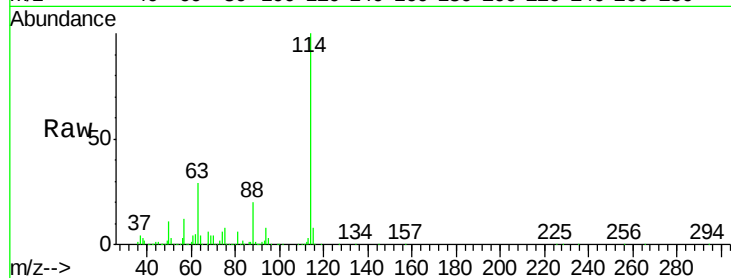
Tgt Ion:114 Resp: 2893170

Ion Ratio Lower Upper

114 100

63 27.4 22.0 33.0

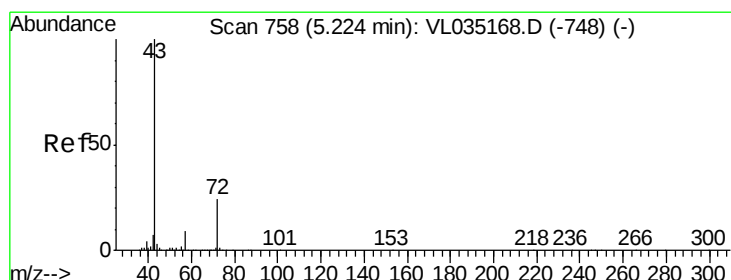
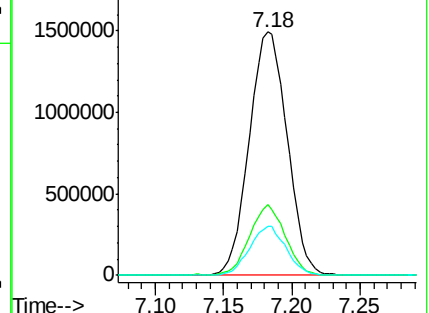
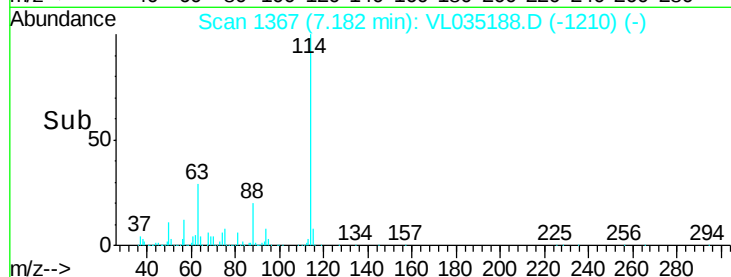
88 19.2 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.812 ppbv

RT: 5.23 min Scan# 759

Delta R.T. 0.00 min

Lab File: VL035188.D

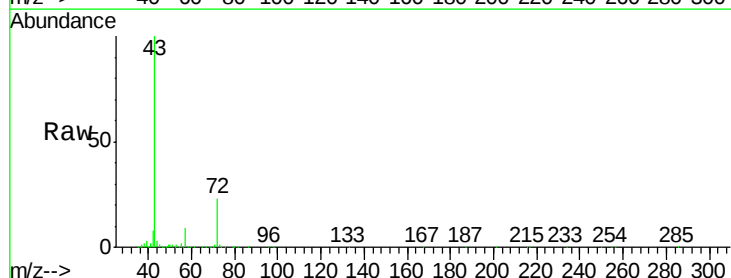
Acq: 8 Jul 2020 17:05

Tgt Ion: 43 Resp: 1515184

Ion Ratio Lower Upper

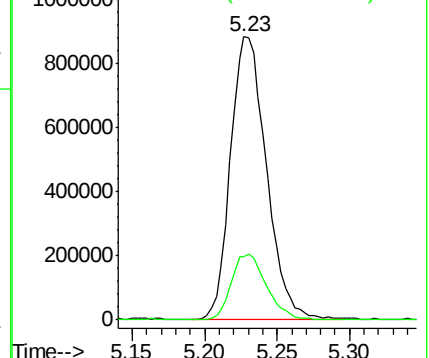
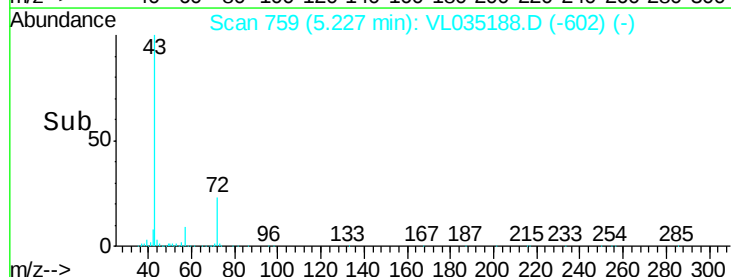
43 100

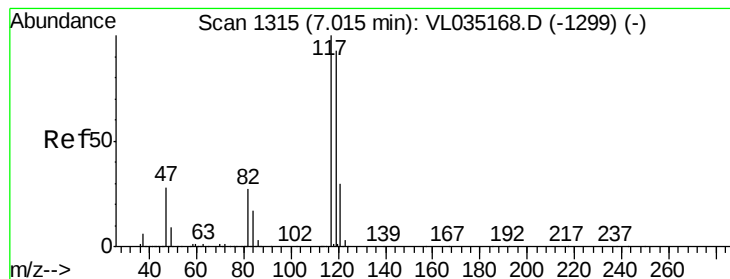
72 23.0 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.712 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

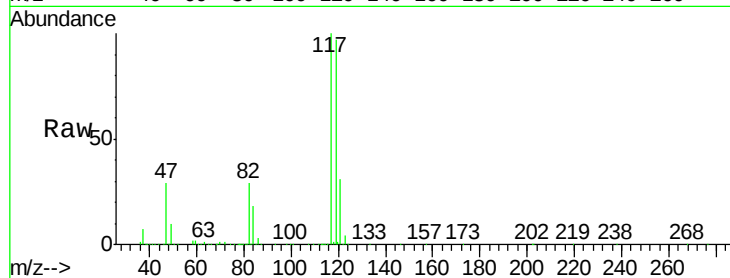
Tgt Ion:117 Resp: 1823988

Ion Ratio Lower Upper

117 100

119 96.9 74.8 112.2

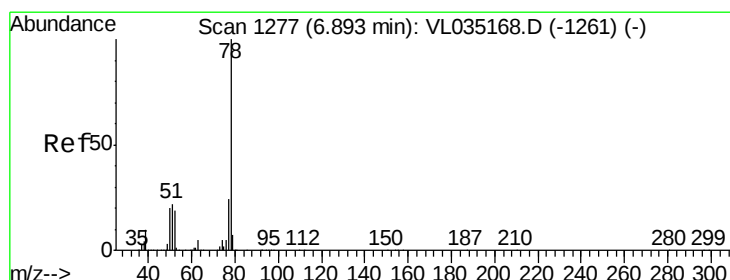
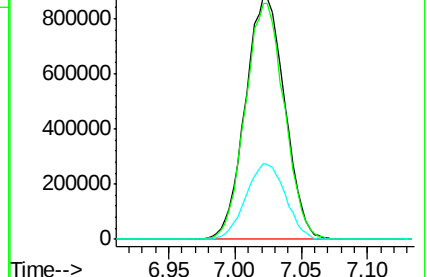
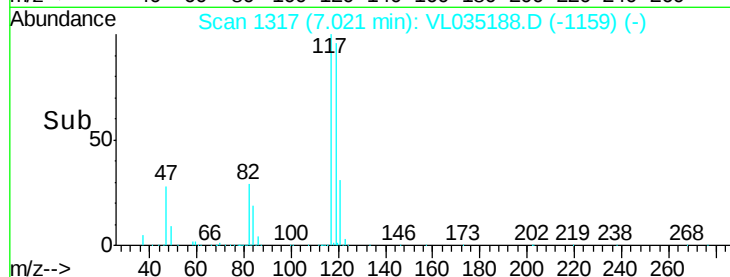
121 31.1 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.109 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

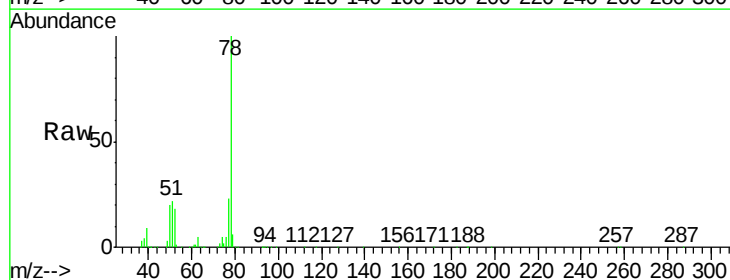
Tgt Ion: 78 Resp: 2116787

Ion Ratio Lower Upper

78 100

77 22.8 19.3 28.9

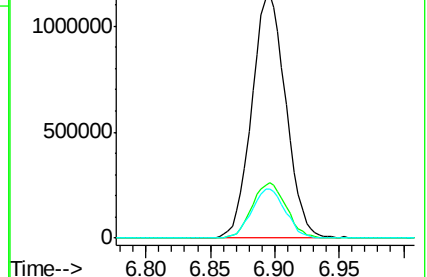
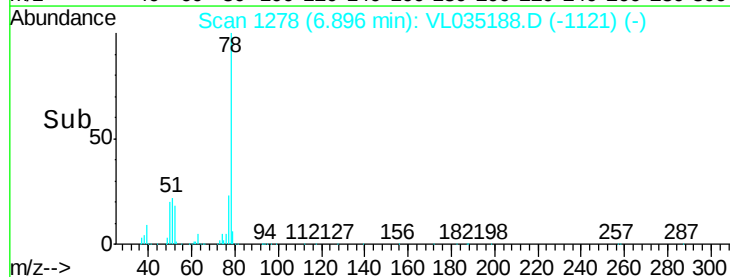
50 20.2 16.0 24.0

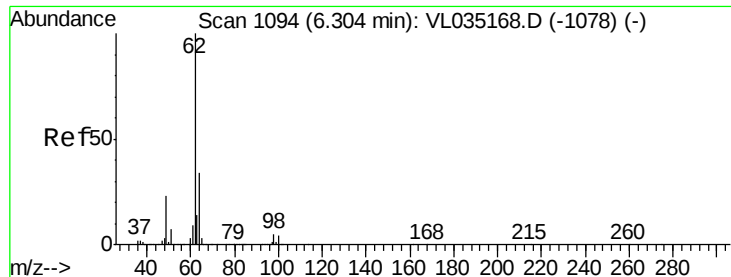


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

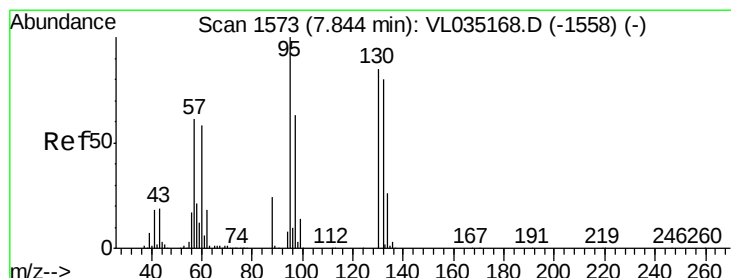
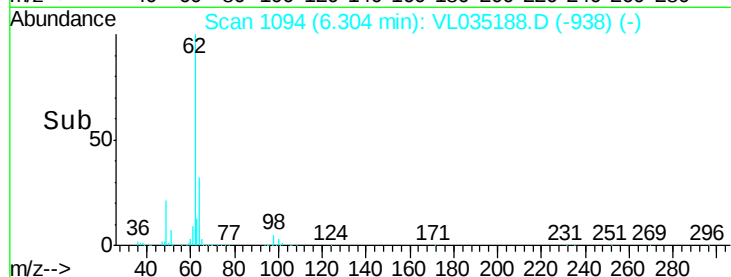
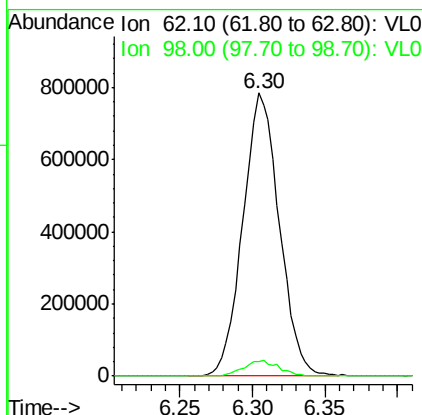
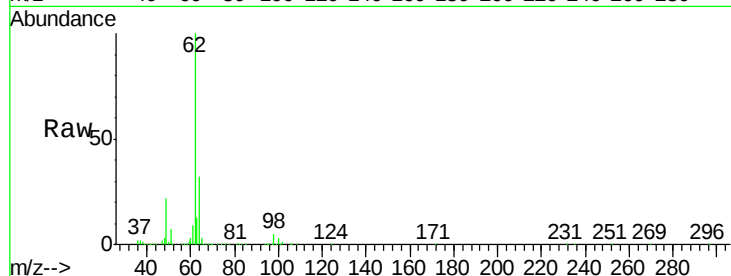




#37
 1,2-Dichloroethane
 Concen: 9.774 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

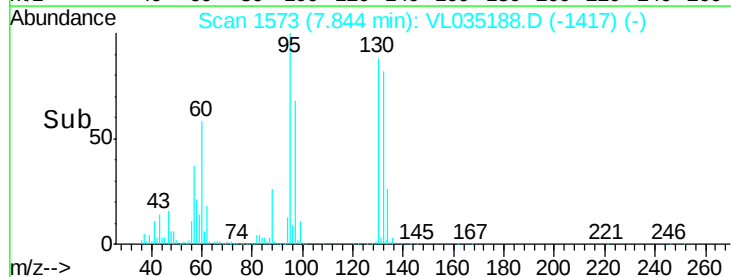
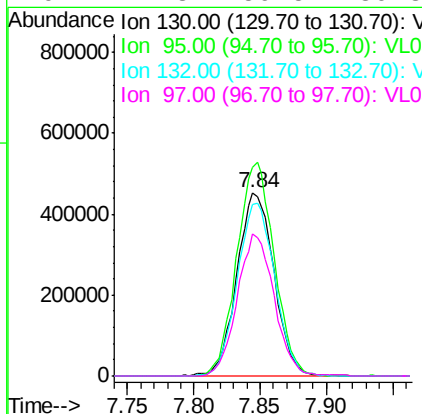
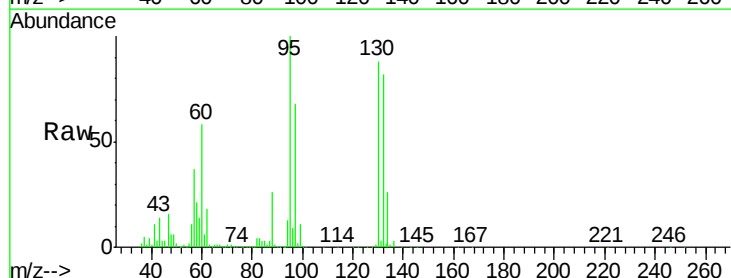
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

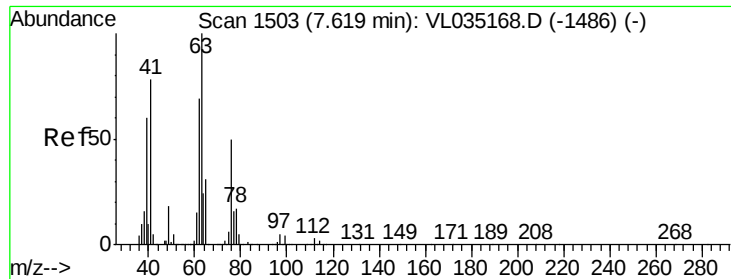
Tgt Ion: 62 Resp: 1373517
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.6 6.8



#38
 Trichloroethene
 Concen: 10.265 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 130 Resp: 875848
 Ion Ratio Lower Upper
 130 100
 95 113.9 93.8 140.8
 132 93.2 75.0 112.4
 97 77.3 59.5 89.3





#39

1,2-Dichloropropane

Concen: 10.112 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

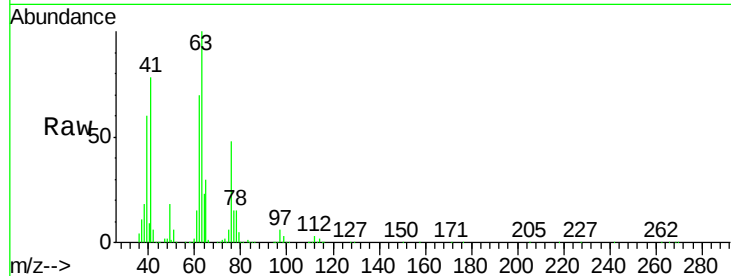
Tgt Ion: 63 Resp: 842091

Ion Ratio Lower Upper

63 100

41 78.0 62.6 94.0

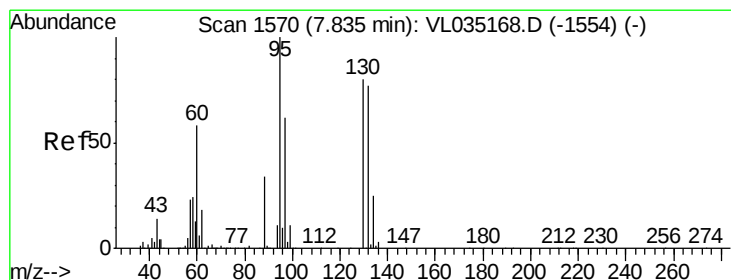
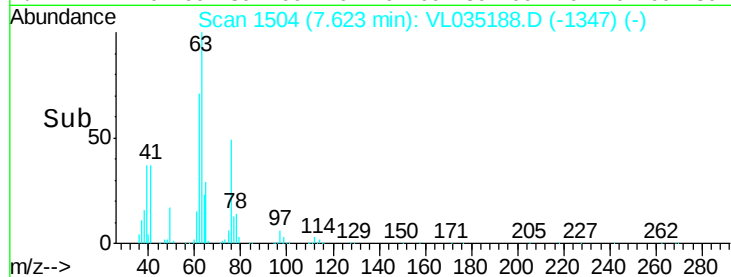
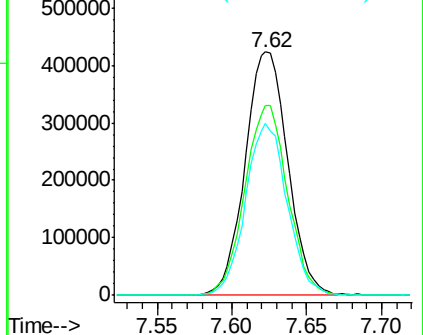
62 70.2 55.0 82.6



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.726 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Tgt Ion: 88 Resp: 322426

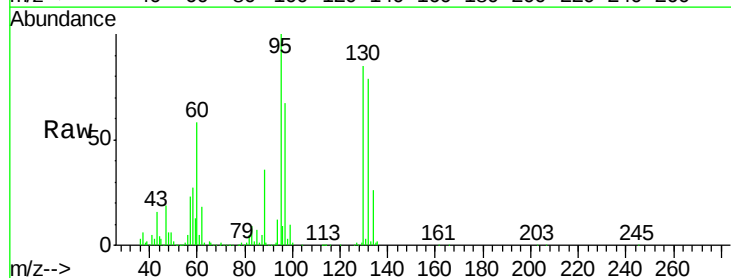
Ion Ratio Lower Upper

88 100

58 134.6 100.2 150.4

43 0.0 199.8 299.8#

57 0.0 869.5 1304.3#

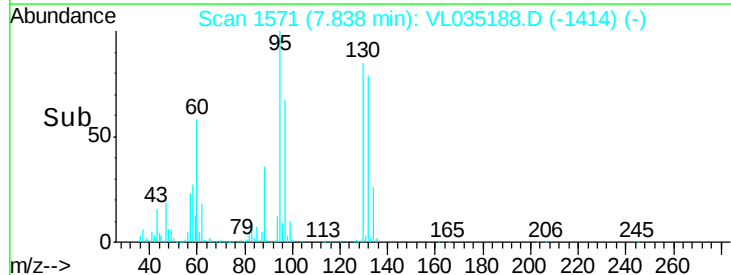
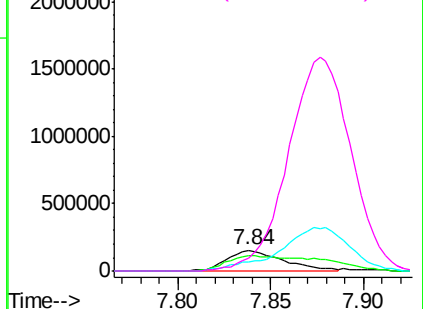


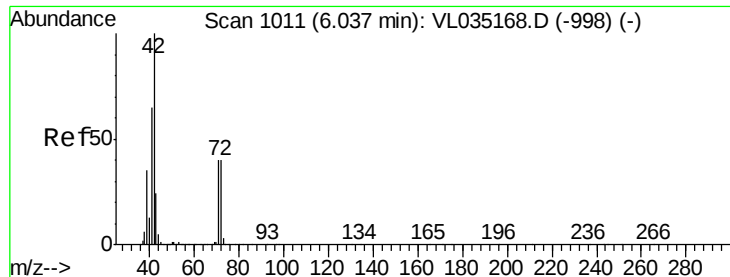
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.671 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

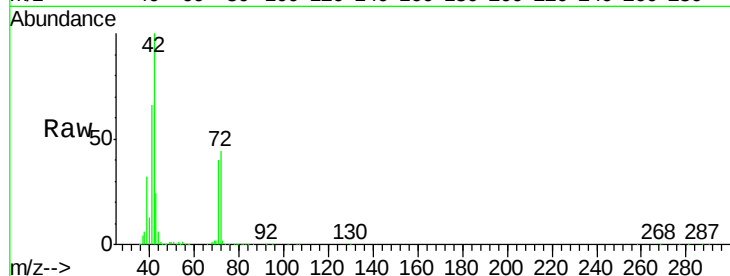
Tgt Ion: 42 Resp: 824520

Ion Ratio Lower Upper

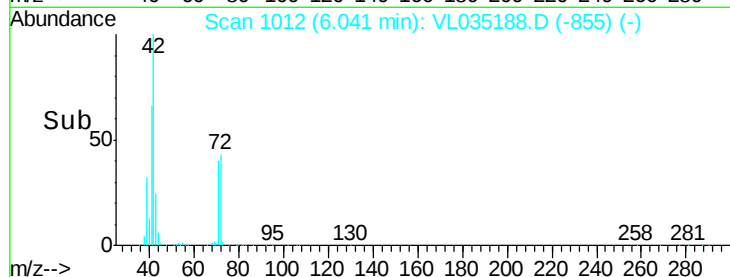
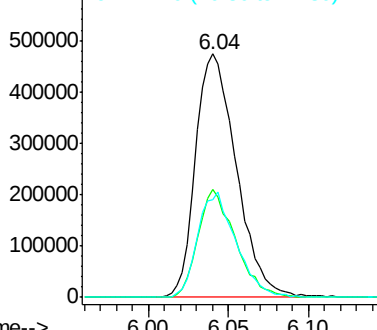
42 100

72 41.0 33.4 50.2

71 40.9 31.9 47.9



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.213 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

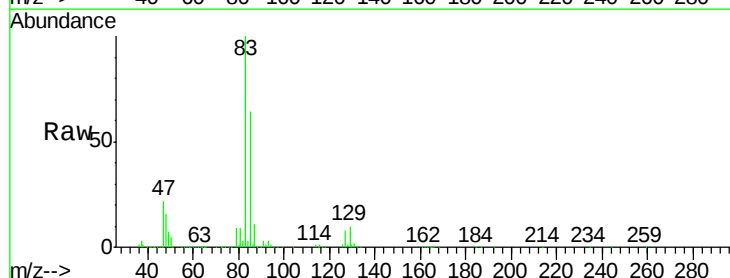
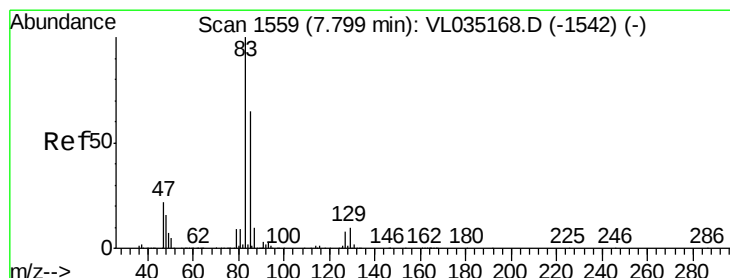
Tgt Ion: 83 Resp: 1916471

Ion Ratio Lower Upper

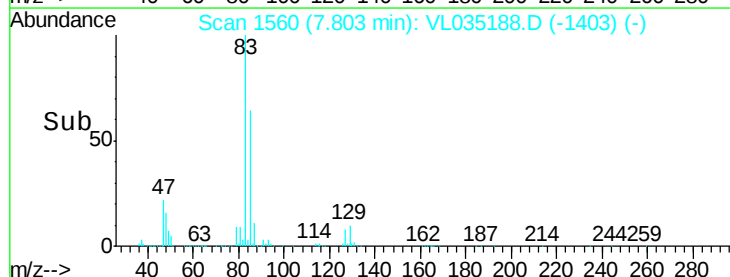
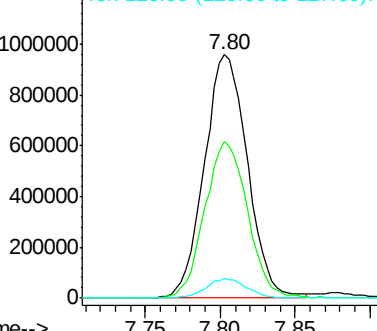
83 100

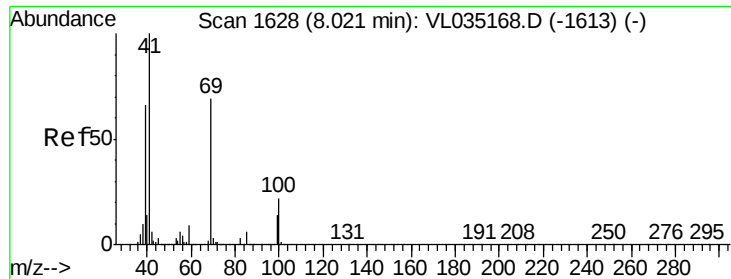
85 64.1 52.2 78.4

127 7.8 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

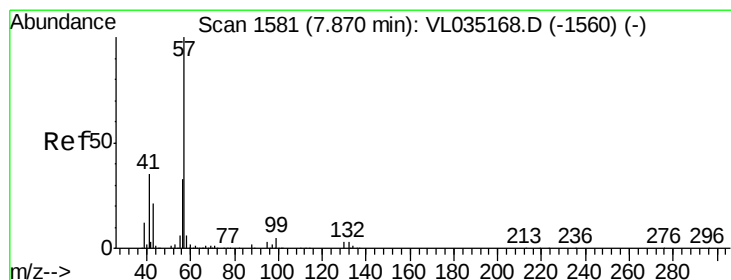
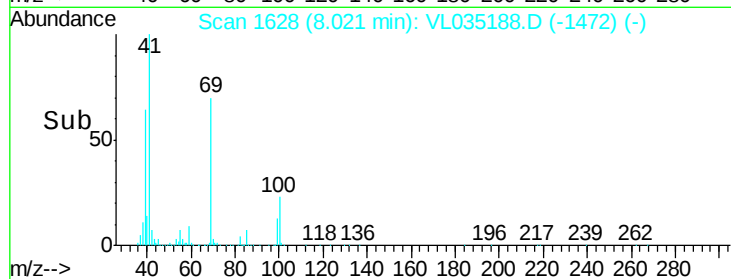
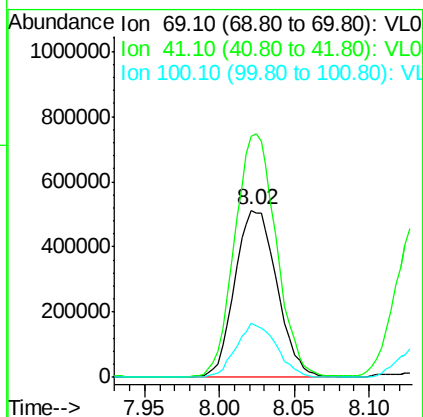
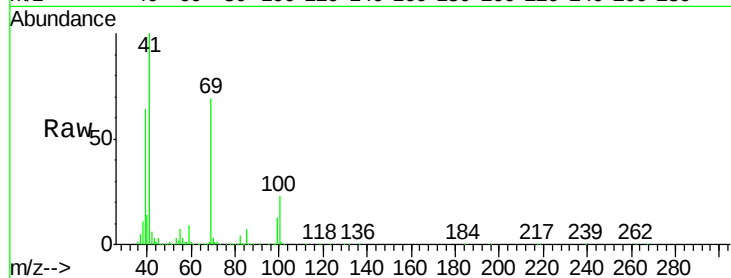




#43
Methyl Methacrylate
Concen: 11.320 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

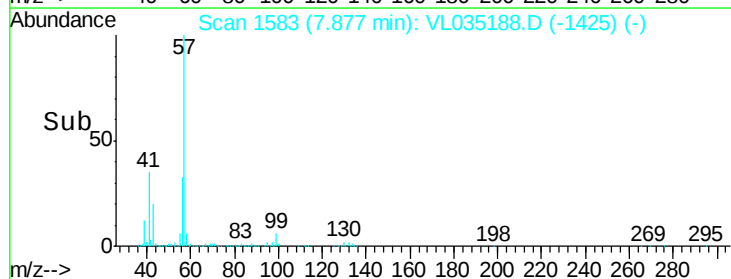
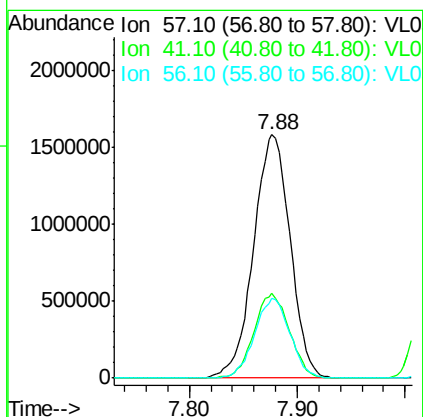
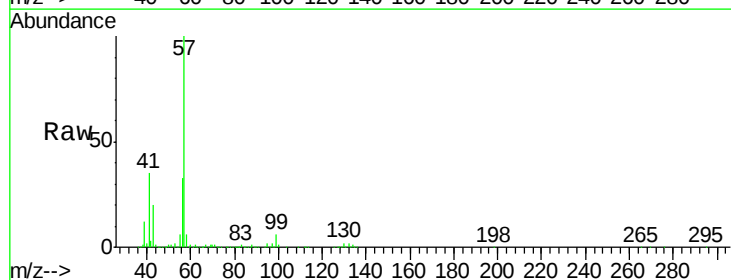
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

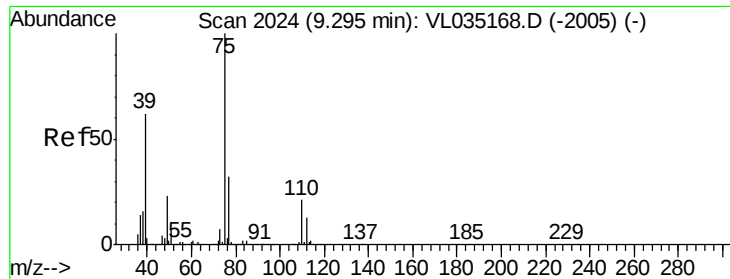
Tgt Ion: 69 Resp: 1002003
Ion Ratio Lower Upper
69 100
41 144.2 116.3 174.5
100 31.3 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.342 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 57 Resp: 3737924
Ion Ratio Lower Upper
57 100
41 33.9 27.0 40.6
56 31.6 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 11.983 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

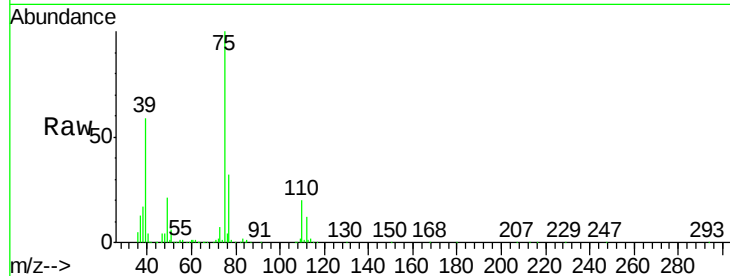
VSTDCCC010EC

Tgt Ion: 75 Resp: 1114359

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

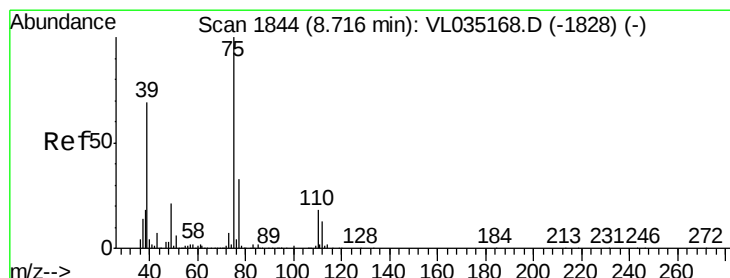
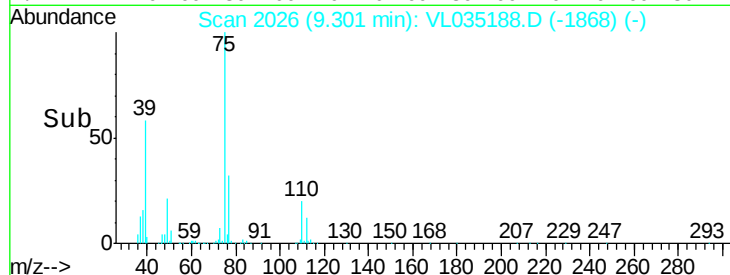
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.831 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

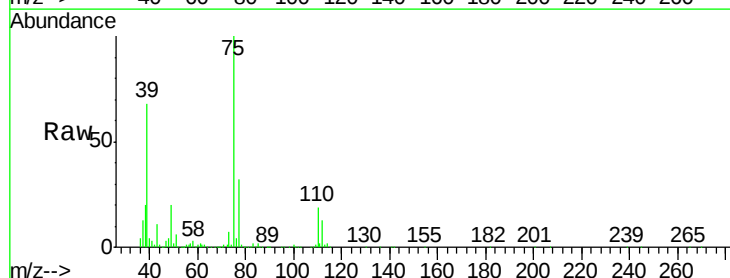
Tgt Ion: 75 Resp: 1304359

Ion Ratio Lower Upper

75 100

39 68.0 55.2 82.8

77 31.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.72

800000

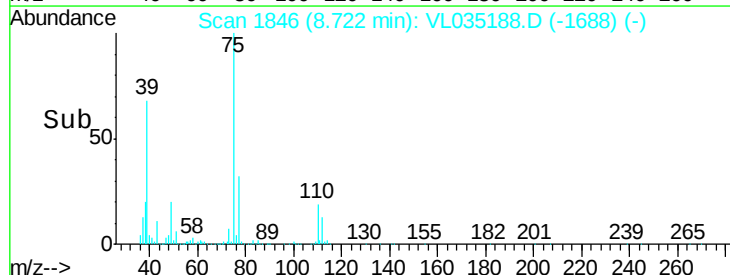
600000

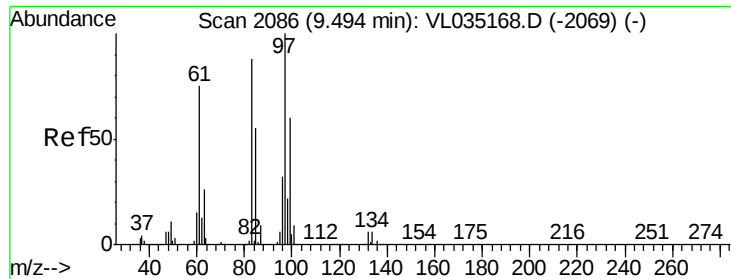
400000

200000

0

Time-->

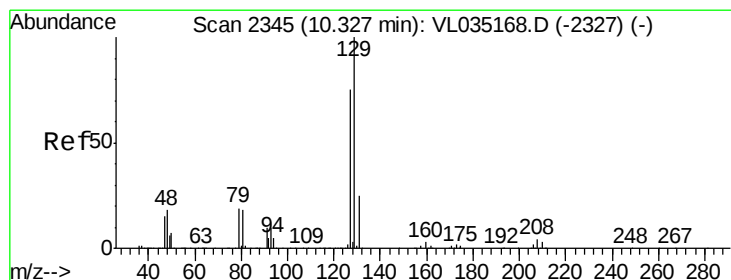
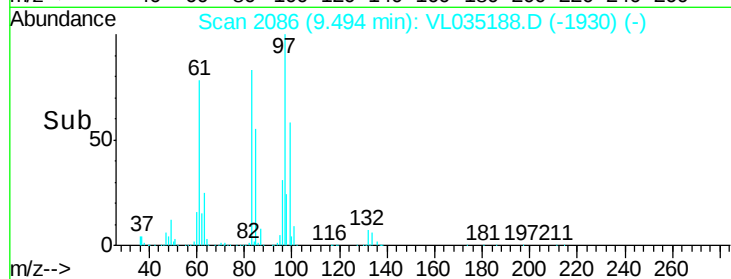
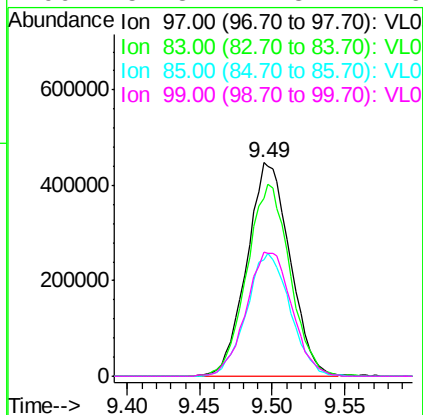
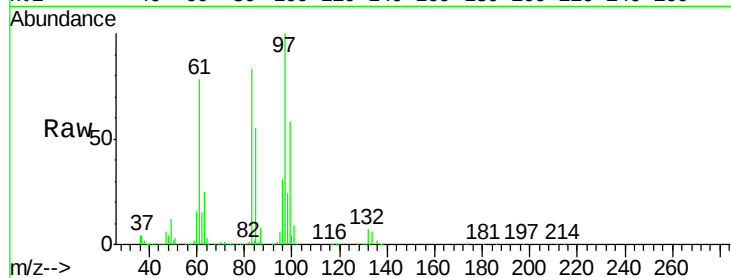




#47
 1,1,2-Trichloroethane
 Concen: 10.210 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

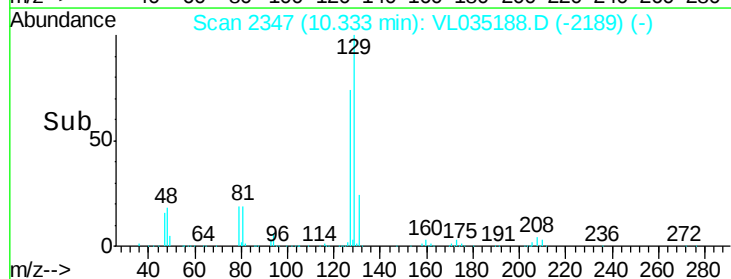
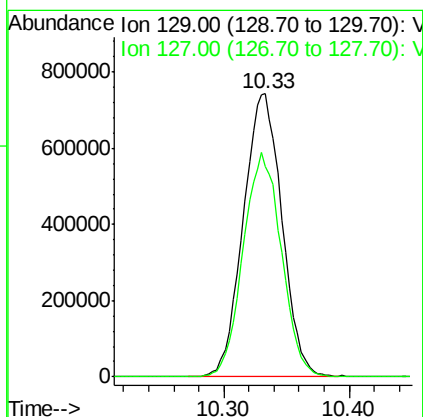
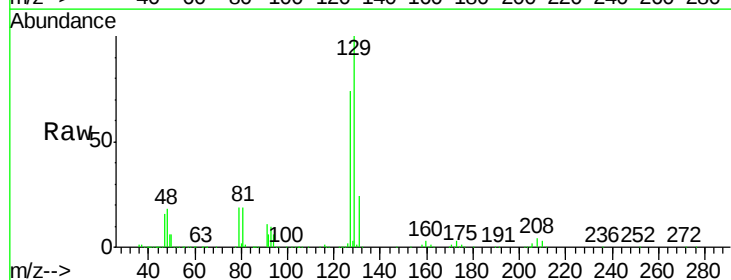
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

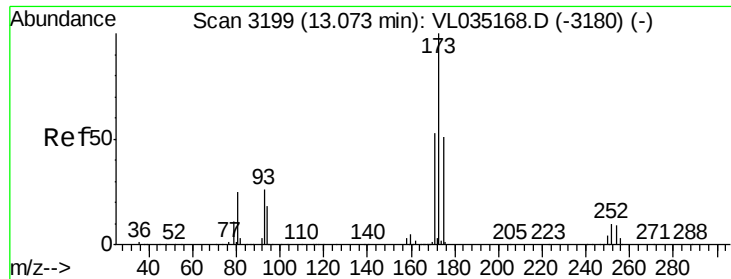
Tgt Ion:	97	Resp:	930610
Ion	Ratio	Lower	Upper
97	100		
83	83.3	70.3	105.5
85	54.5	44.3	66.5
99	57.8	47.8	71.6



#48
 Dibromochloromethane
 Concen: 10.719 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion:	129	Resp:	1589673
Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.8	116.3





#49

Bromoform

Concen: 11.022 ppbv

RT: 13.08 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

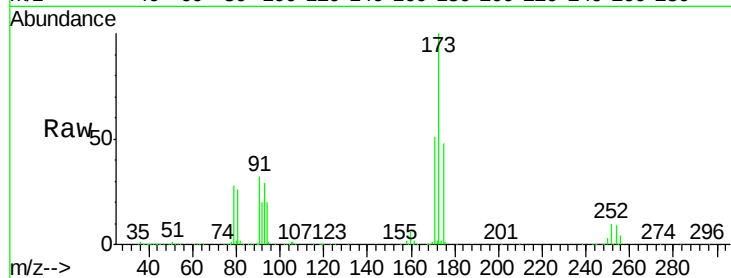
Tgt Ion:173 Resp: 1429962

Ion Ratio Lower Upper

173 100

175 48.8 39.7 59.5

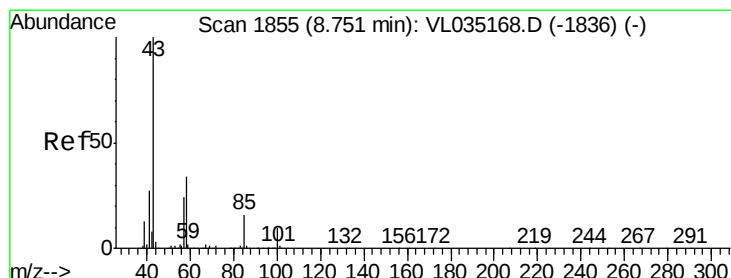
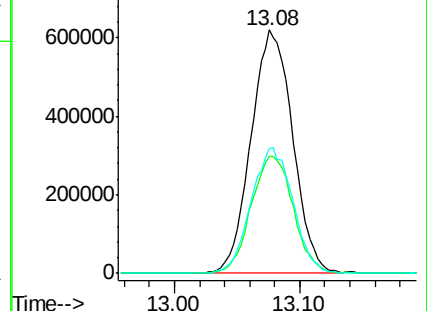
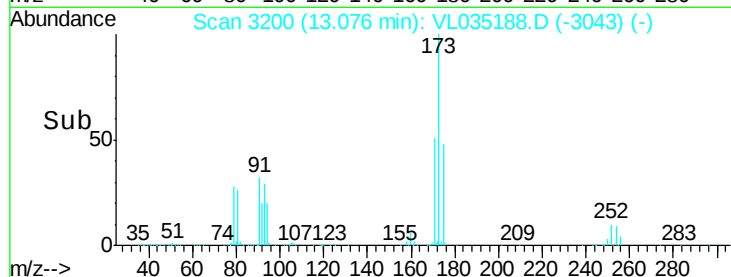
171 51.8 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.660 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VL035188.D

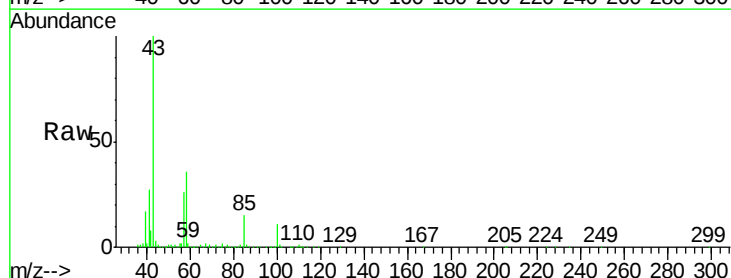
Acq: 8 Jul 2020 17:05

Tgt Ion: 43 Resp: 2362553

Ion Ratio Lower Upper

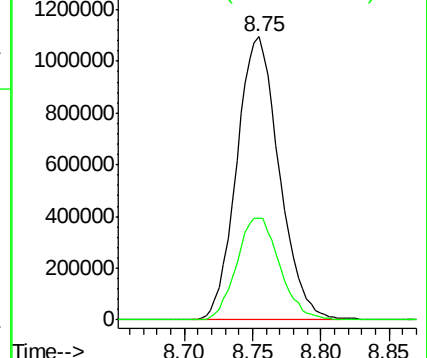
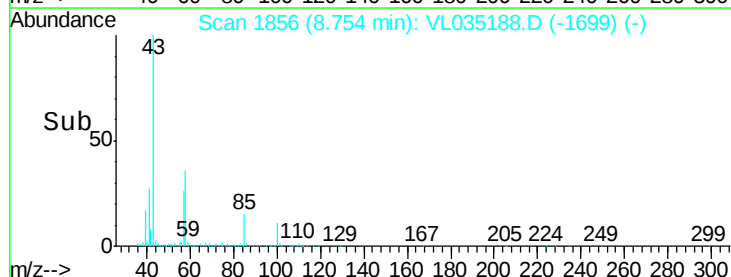
43 100

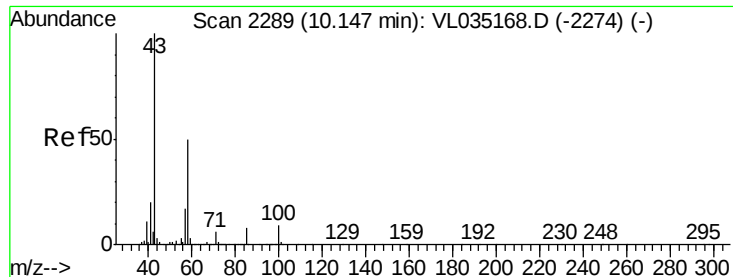
58 36.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

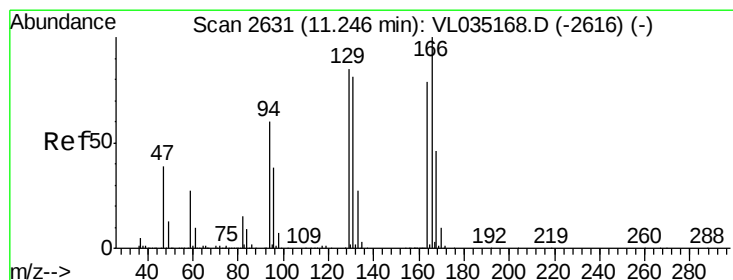
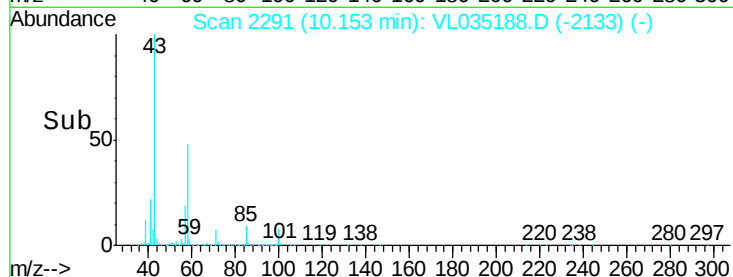
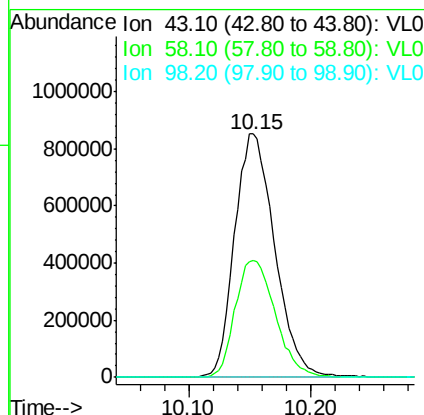
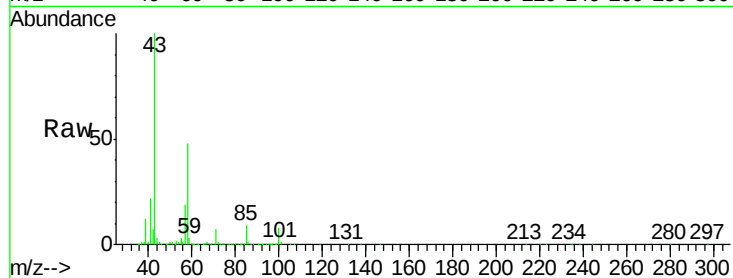




#51
2-Hexanone
Concen: 11.485 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

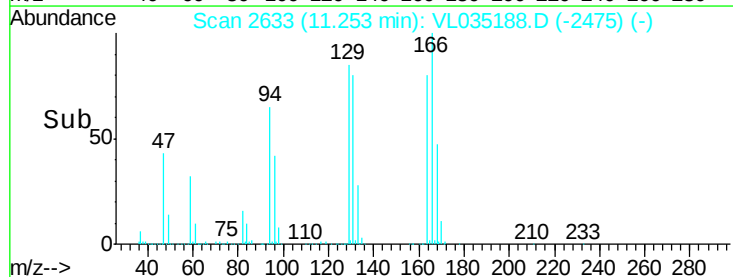
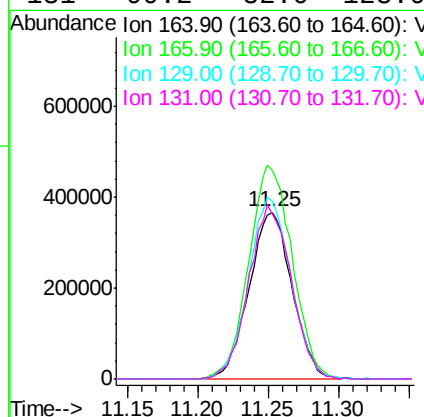
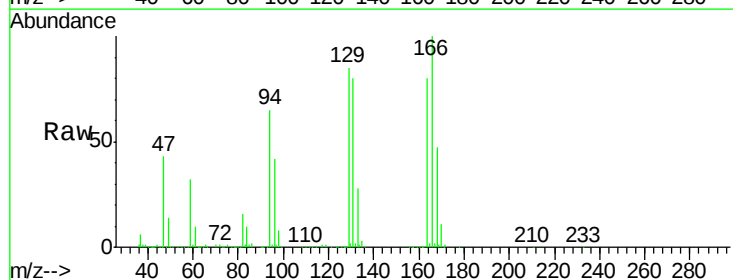
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

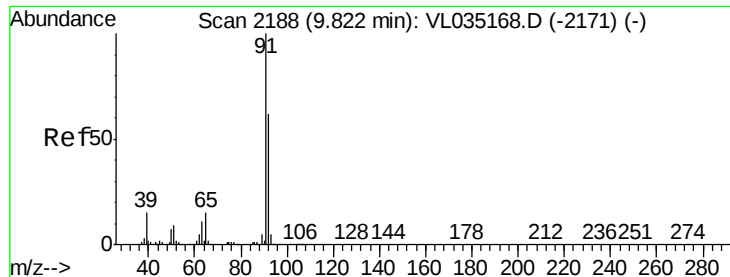
Tgt Ion: 43 Resp: 1940911
Ion Ratio Lower Upper
43 100
58 48.4 39.4 59.0
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.004 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 164 Resp: 782398
Ion Ratio Lower Upper
164 100
166 124.8 100.7 151.1
129 106.1 85.8 128.6
131 99.2 82.0 123.0





#53

Toluene

Concen: 11.398 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

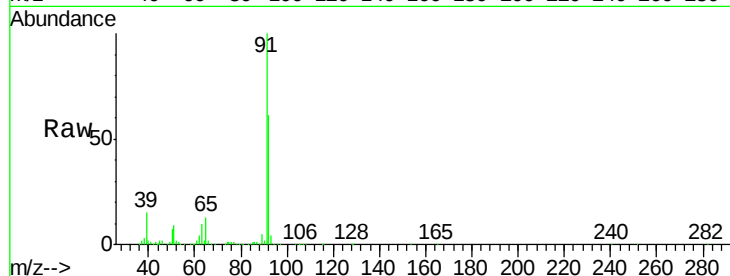
VSTDCCC010EC

Tgt Ion: 91 Resp: 2518827

Ion Ratio Lower Upper

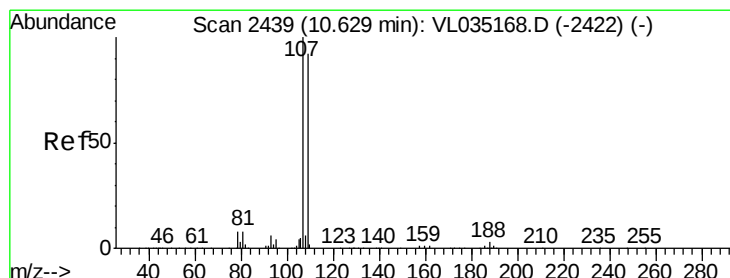
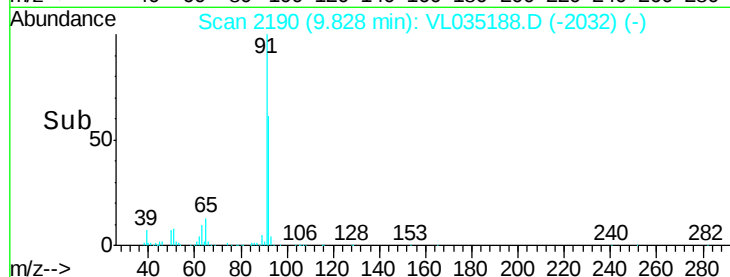
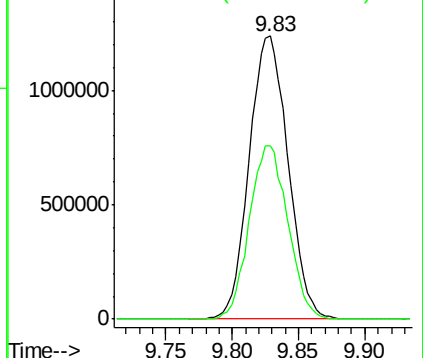
91 100

92 61.0 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.485 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.01 min

Lab File: VL035188.D

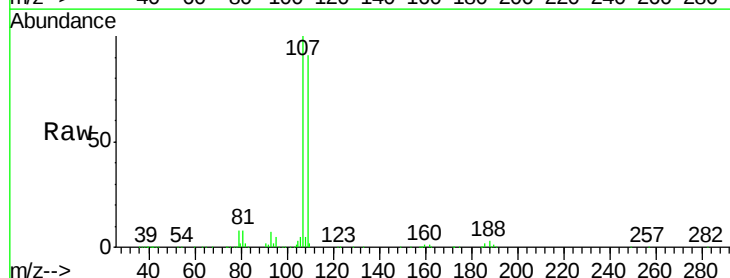
Acq: 8 Jul 2020 17:05

Tgt Ion: 107 Resp: 1418284

Ion Ratio Lower Upper

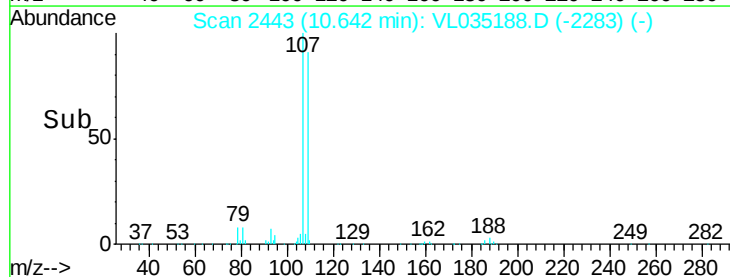
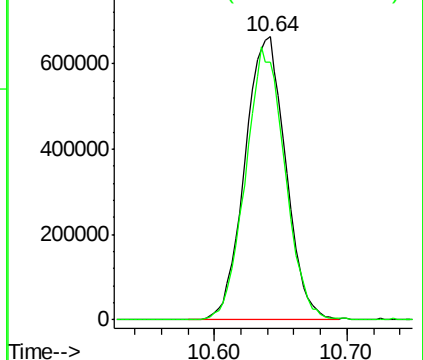
107 100

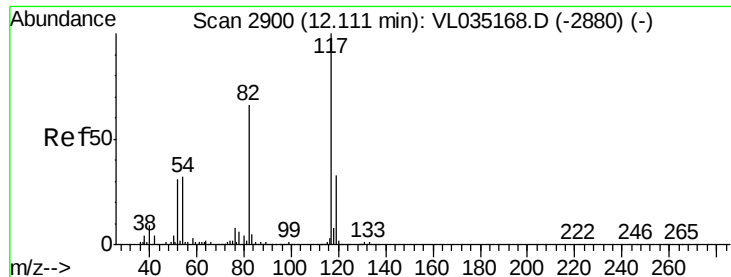
109 91.3 74.0 111.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

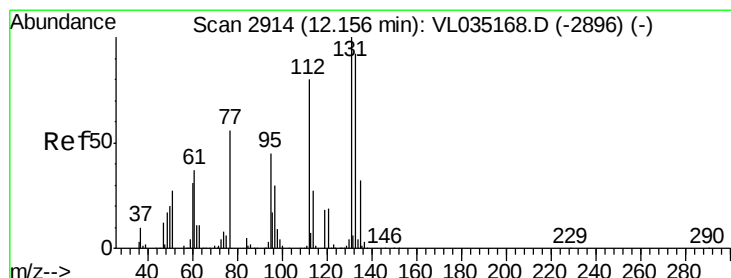
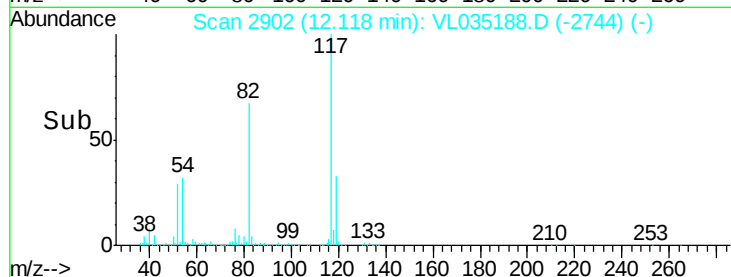
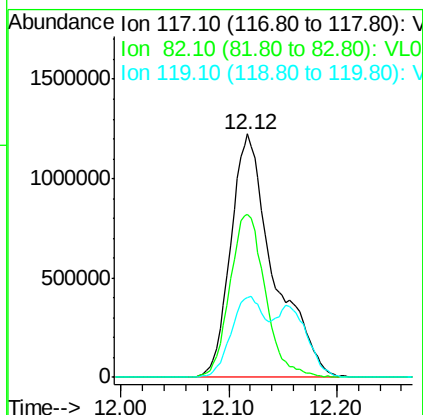
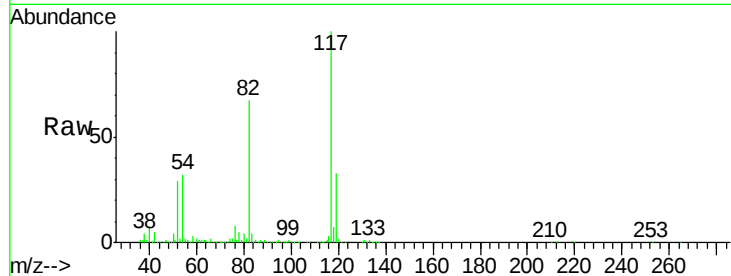




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

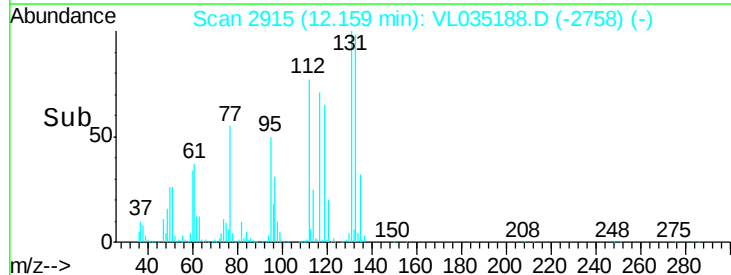
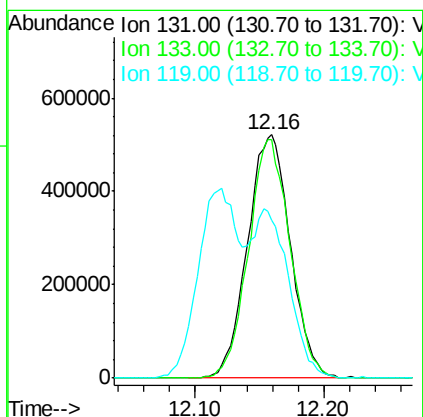
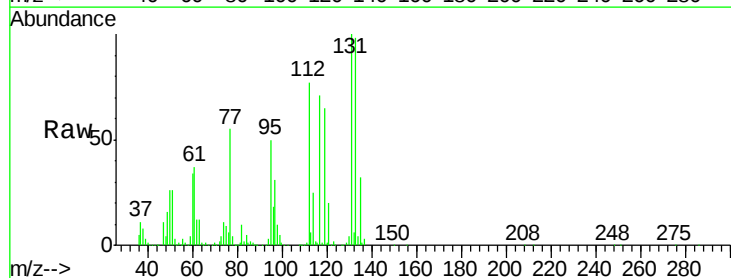
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

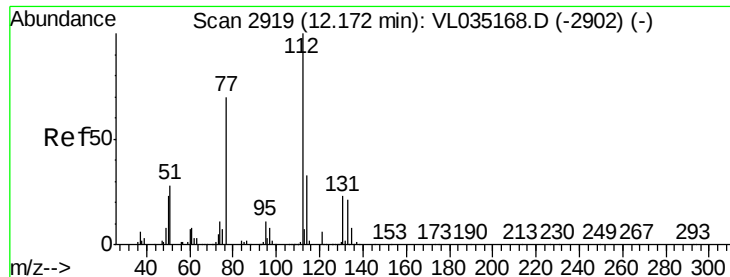
Tgt Ion:117 Resp: 3403248
Ion Ratio Lower Upper
117 100
82 55.6 52.3 78.5
119 25.6 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 7.991 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion:131 Resp: 1204872
Ion Ratio Lower Upper
131 100
133 95.7 75.4 113.2
119 54.2 42.4 63.6

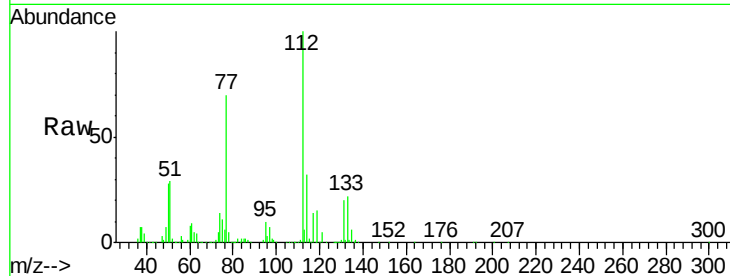




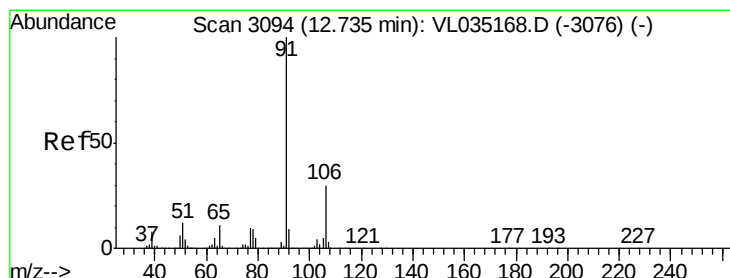
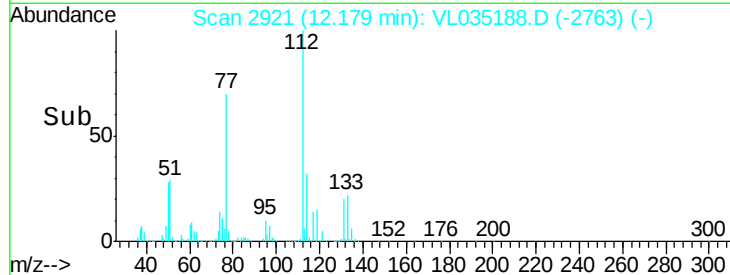
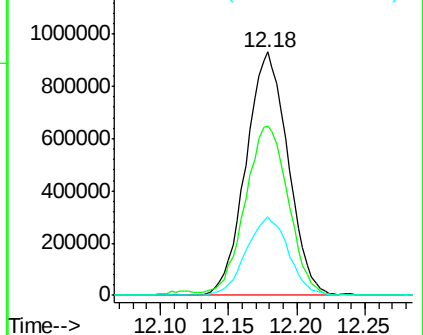
#57
Chlorobenzene
Concen: 7.926 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 1988173
Ion Ratio Lower Upper
112 100
77 69.6 57.0 85.4
114 32.4 30.2 37.0

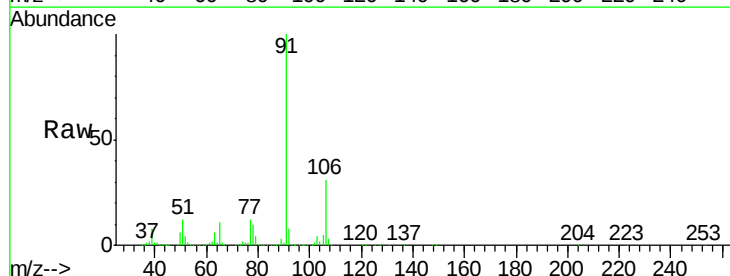


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

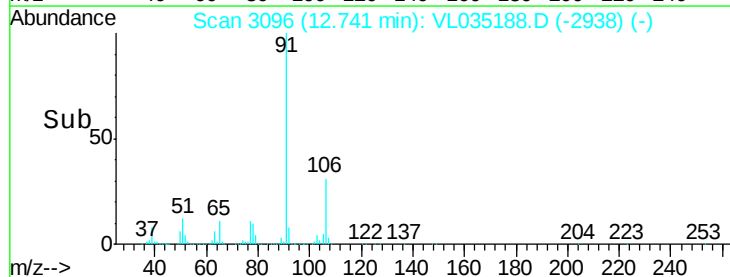
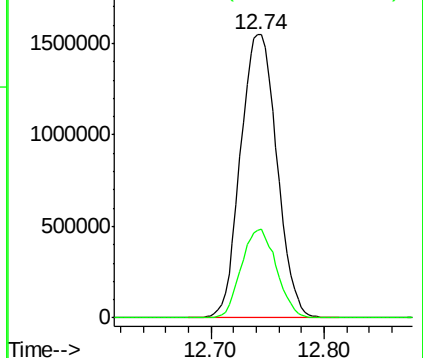


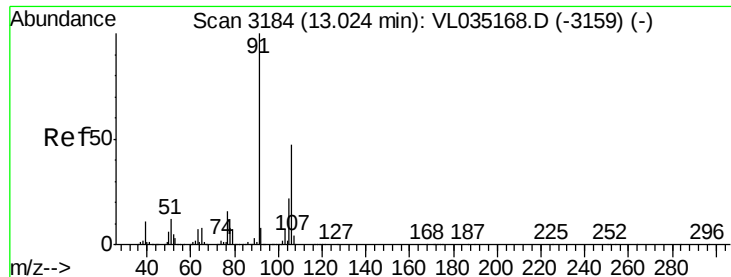
#58
Ethyl Benzene
Concen: 9.205 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 91 Resp: 3462649
Ion Ratio Lower Upper
91 100
106 31.1 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

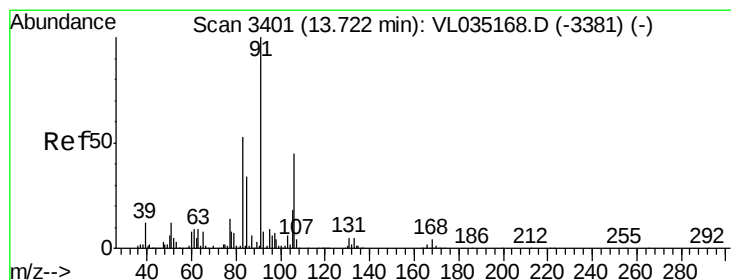
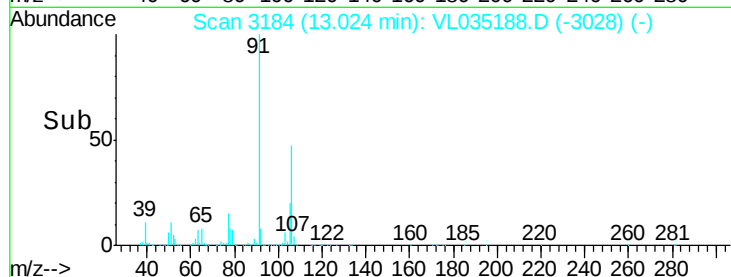
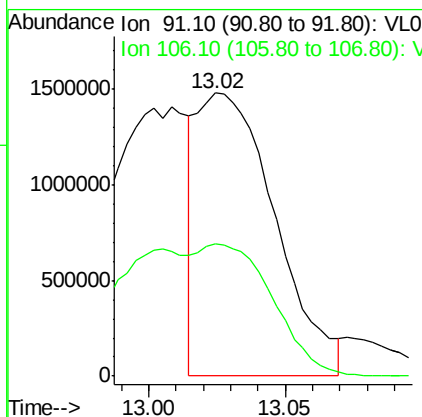
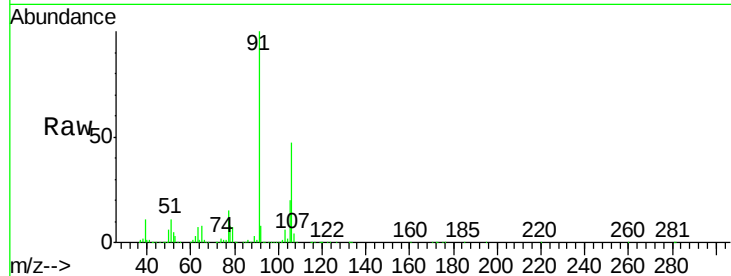




#59
m/p-Xylene
Concen: 8.708 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

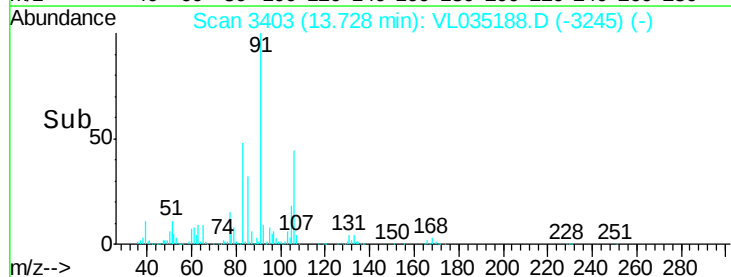
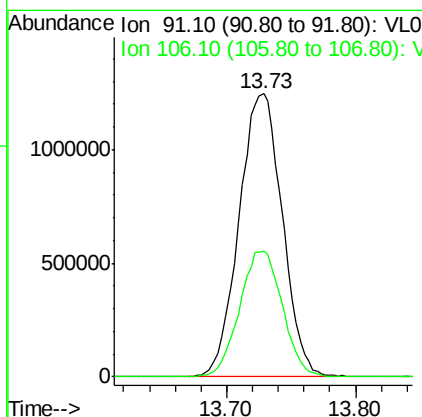
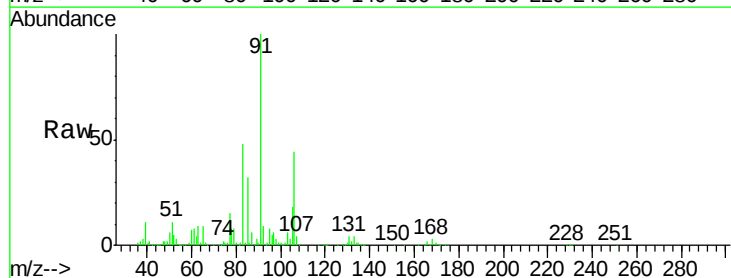
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

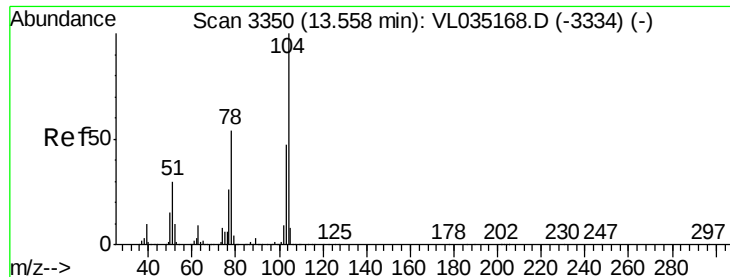
Tgt Ion: 91 Resp: 2919454
Ion Ratio Lower Upper
91 100
106 91.8 36.2 54.2#



#60
o-Xylene
Concen: 8.686 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion: 91 Resp: 2905411
Ion Ratio Lower Upper
91 100
106 44.2 22.1 66.3

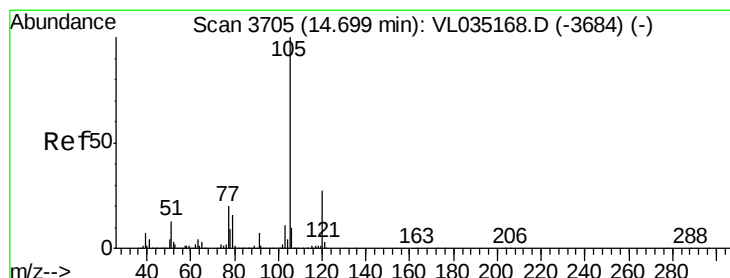
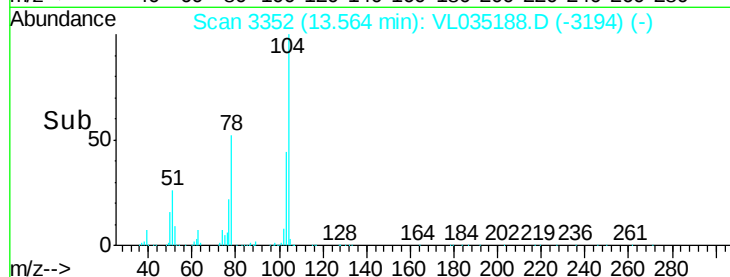
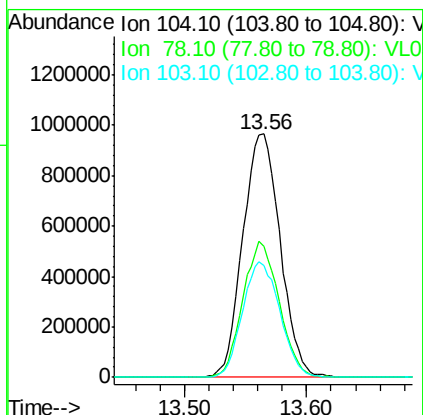
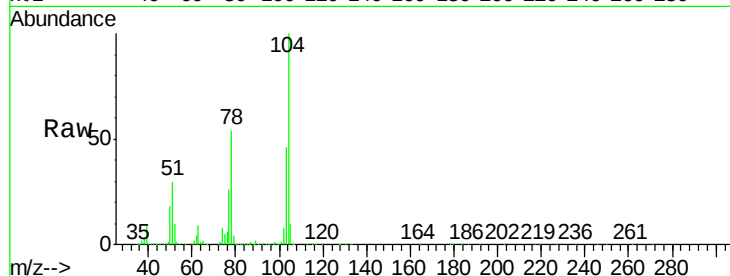




#61
Styrene
Concen: 9.874 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.01 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

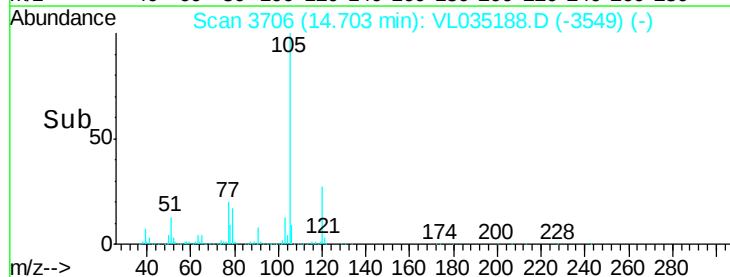
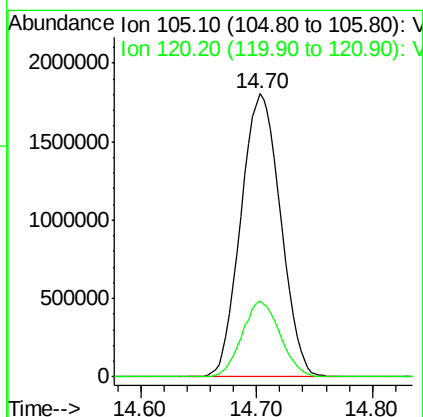
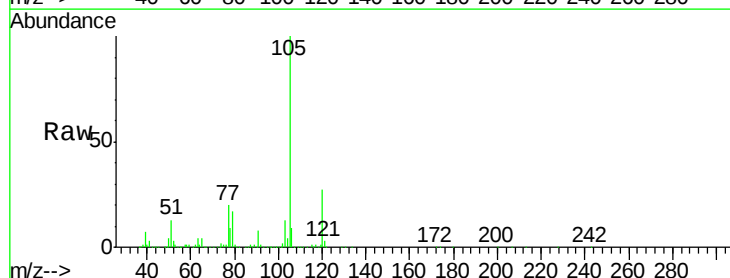
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

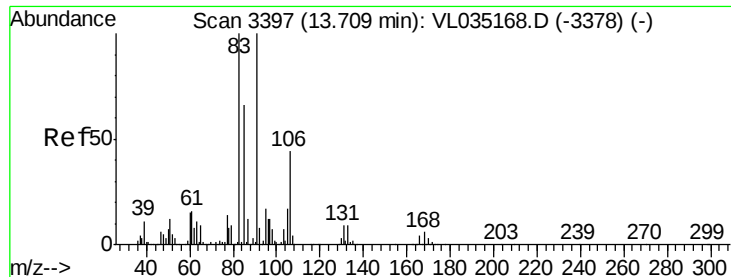
Tgt Ion:104 Resp: 2040768
Ion Ratio Lower Upper
104 100
78 54.2 43.4 65.0
103 47.7 37.4 56.0



#62
Isopropylbenzene
Concen: 8.665 ppbv
RT: 14.70 min Scan# 3706
Delta R.T. 0.00 min
Lab File: VL035188.D
Acq: 8 Jul 2020 17:05

Tgt Ion:105 Resp: 4295782
Ion Ratio Lower Upper
105 100
120 25.7 20.7 31.1

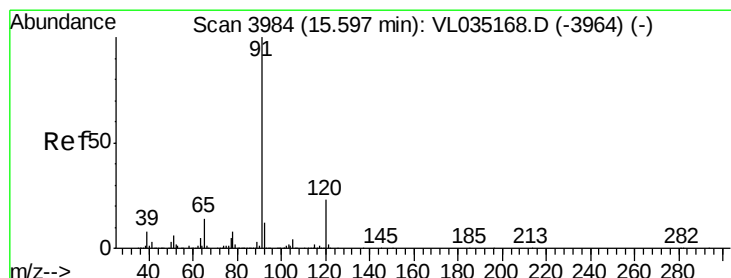
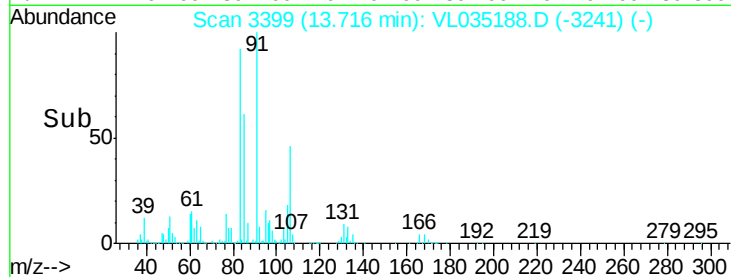
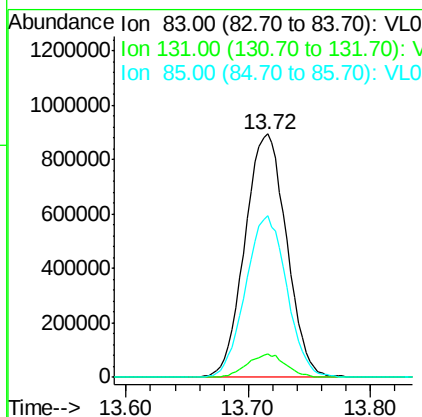
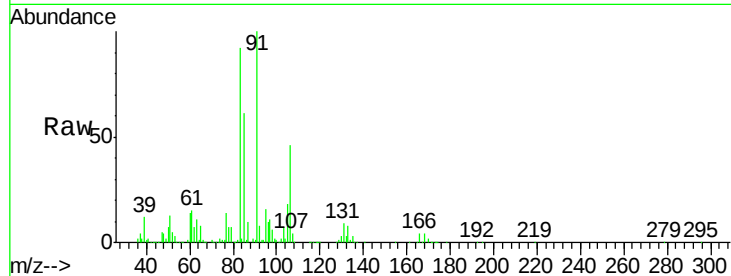




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.553 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

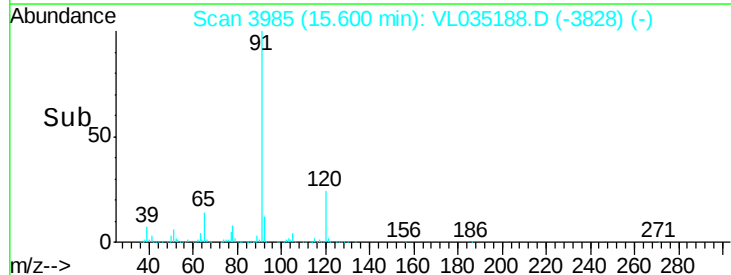
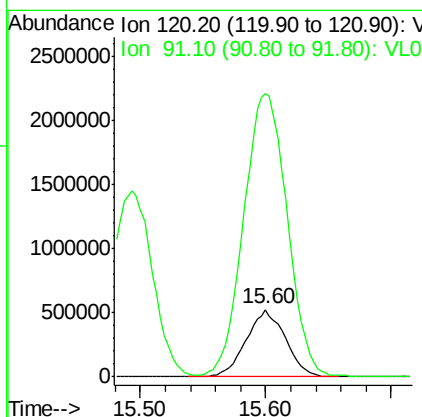
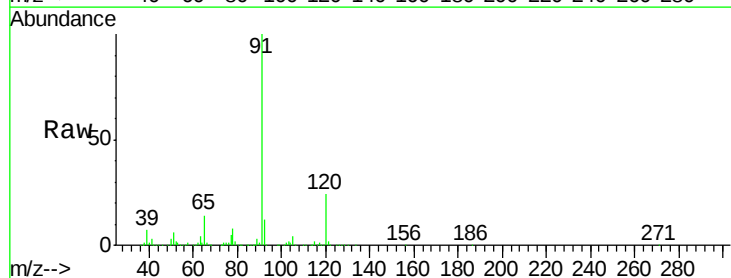
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

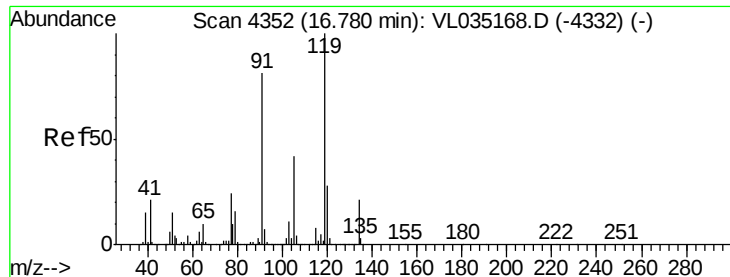
Tgt Ion: 83 Resp: 2111153
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.7 14.0
 85 65.8 33.0 99.0



#64
 n-propylbenzene
 Concen: 8.872 ppbv
 RT: 15.60 min Scan# 3985
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 120 Resp: 1136308
 Ion Ratio Lower Upper
 120 100
 91 469.9 372.4 558.6

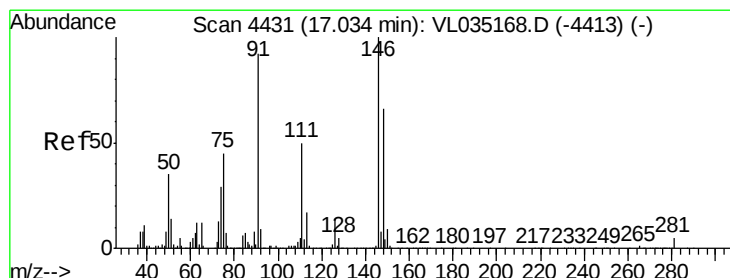
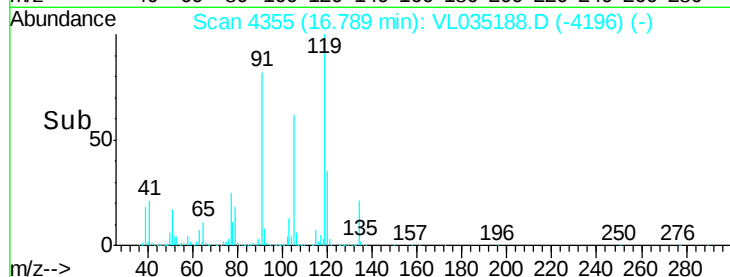
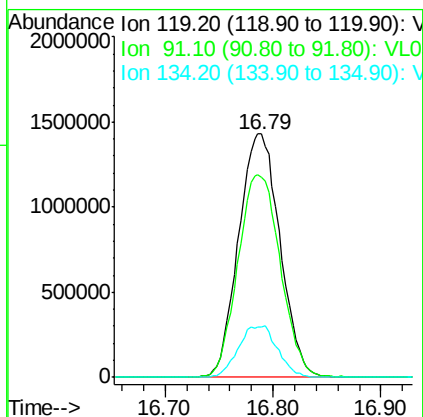
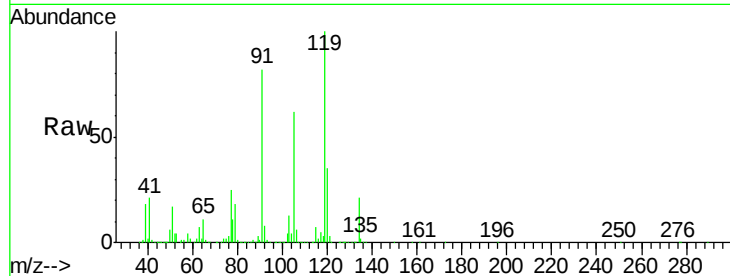




#65
 tert-Butylbenzene
 Concen: 8.552 ppbv
 RT: 16.79 min Scan# 4352
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

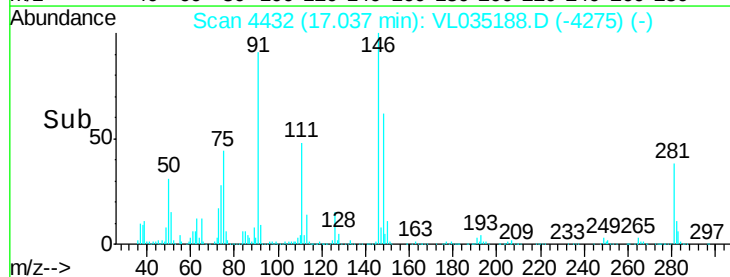
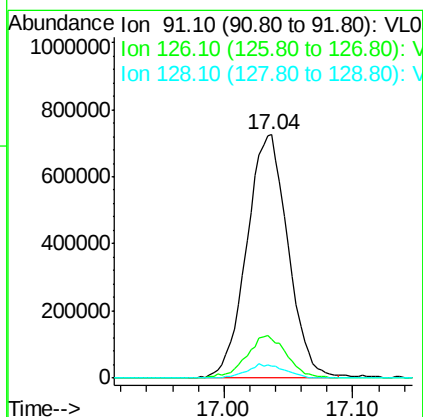
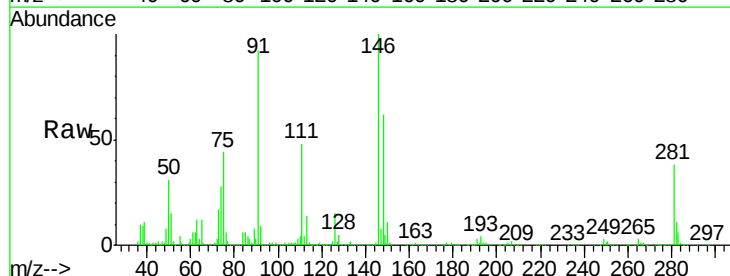
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

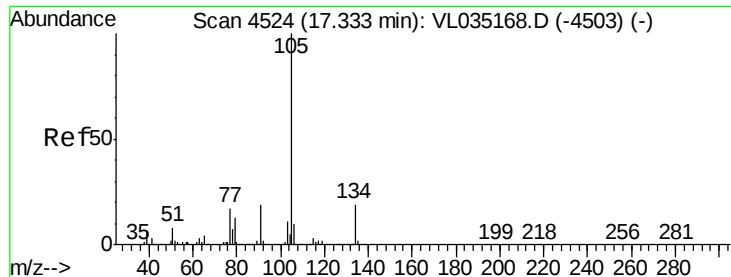
Tgt Ion: 119 Resp: 3808252
 Ion Ratio Lower Upper
 119 100
 91 85.5 67.5 101.3
 134 20.0 16.0 24.0



#66
 Benzyl Chloride
 Concen: 10.159 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 91 Resp: 1611663
 Ion Ratio Lower Upper
 91 100
 126 17.1 13.9 20.9
 128 5.4 4.2 6.4

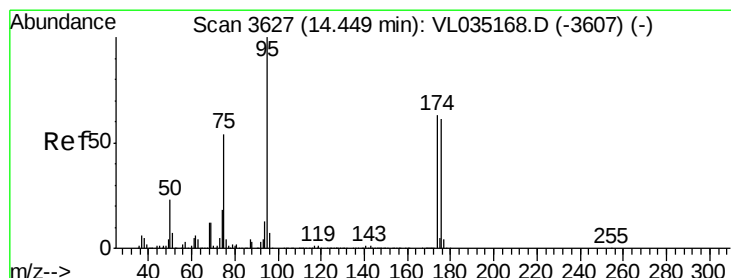
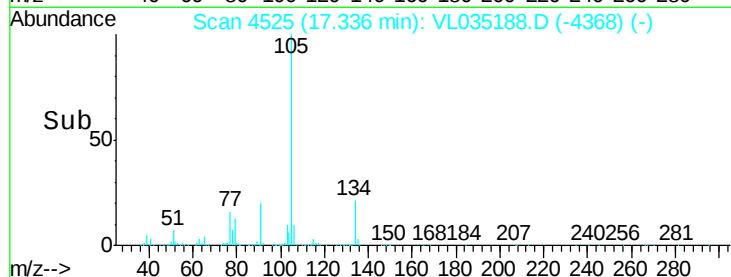
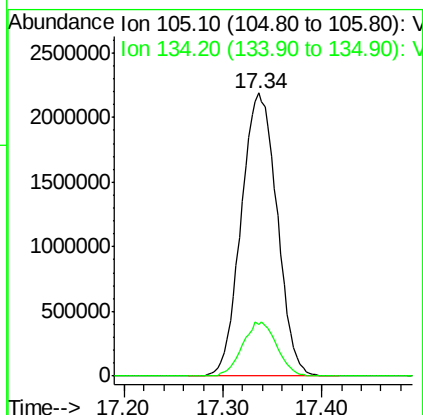
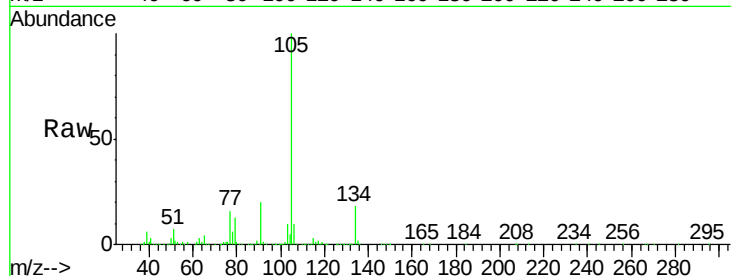




#67
 sec-Butylbenzene
 Concen: 8.455 ppbv
 RT: 17.34 min Scan# 4525
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

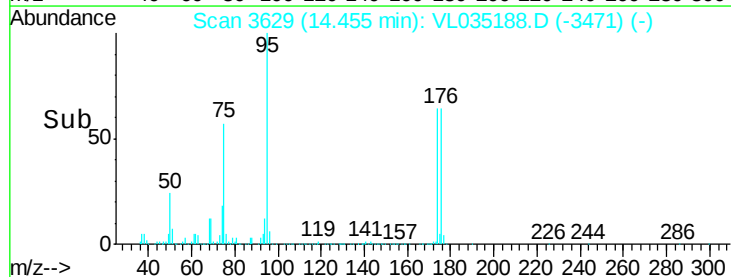
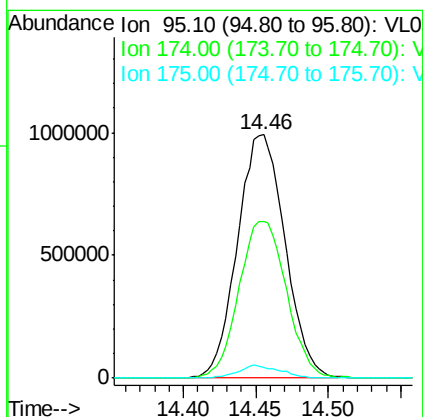
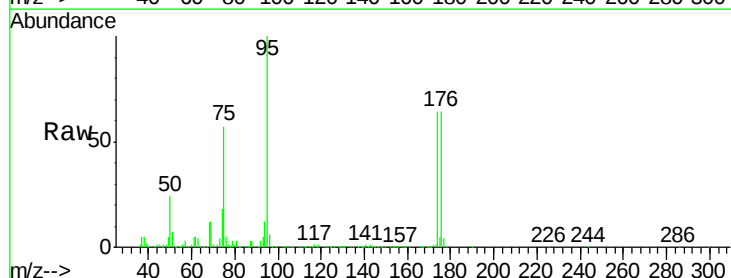
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

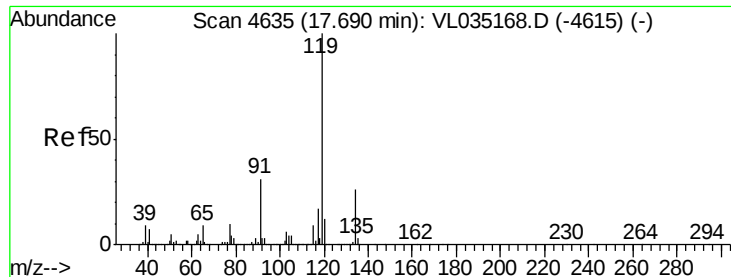
Tgt Ion: 105 Resp: 5488342
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.152 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 95 Resp: 2253726
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.2 78.2
 175 4.8 4.0 6.0

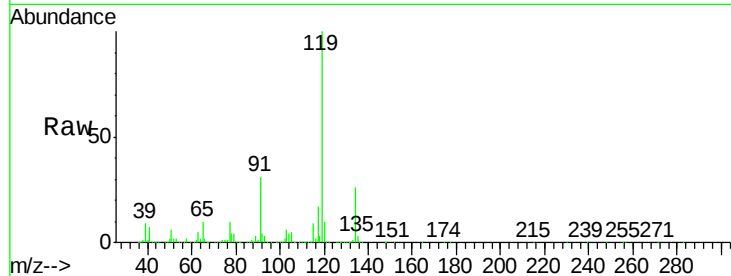




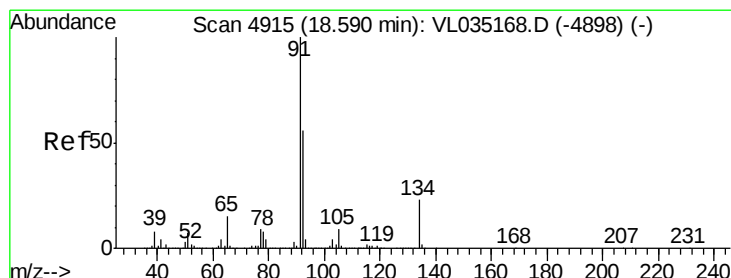
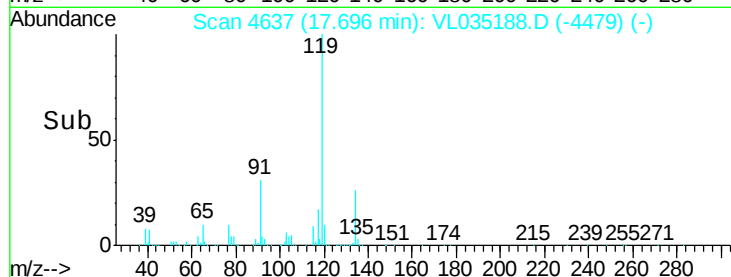
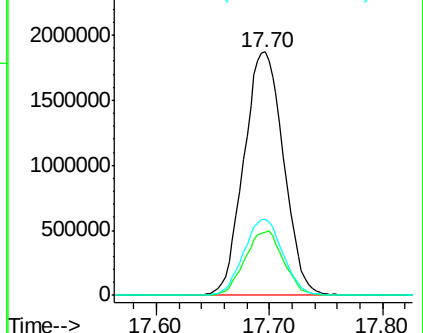
#69
 p-Isopropyltoluene
 Concen: 8.958 ppbv
 RT: 17.70 min Scan# 4637
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 4557654
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.8 31.2
 91 31.0 24.9 37.3

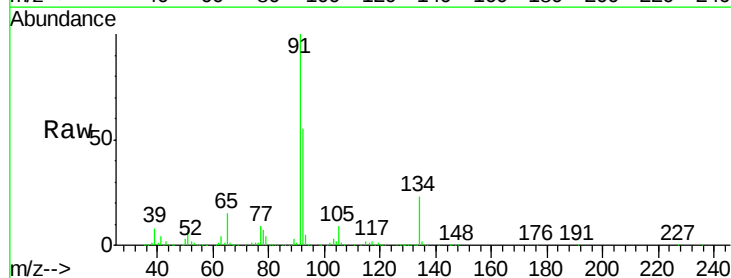


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

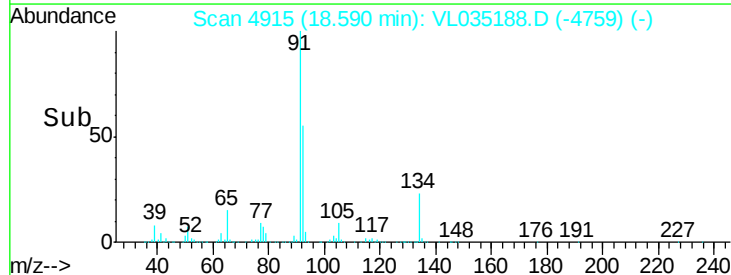
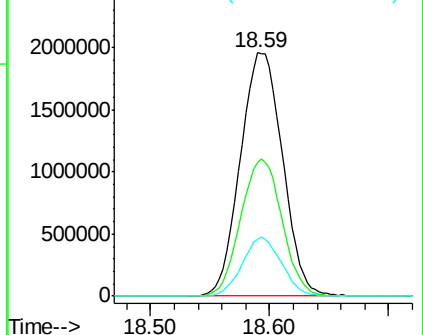


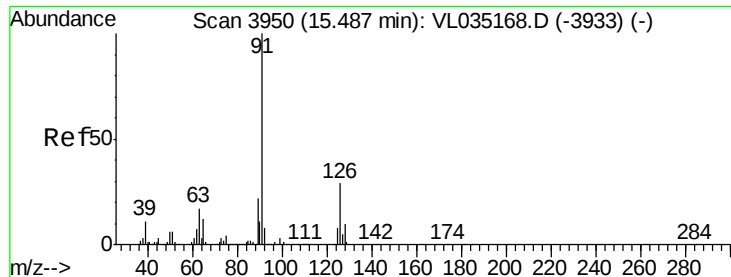
#70
 n-Butylbenzene
 Concen: 8.909 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion: 91 Resp: 4806132
 Ion Ratio Lower Upper
 91 100
 92 55.1 44.0 66.0
 134 22.4 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.909 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

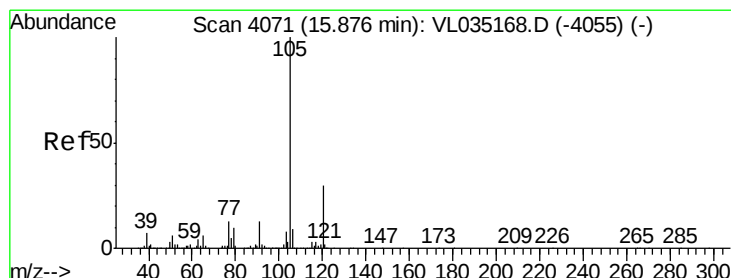
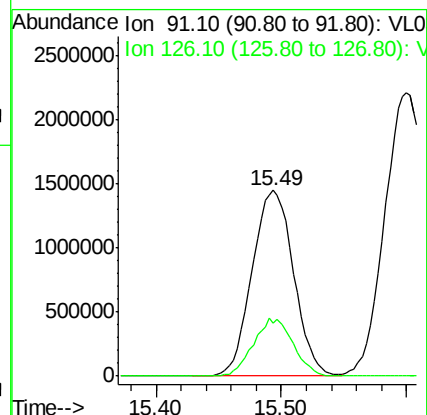
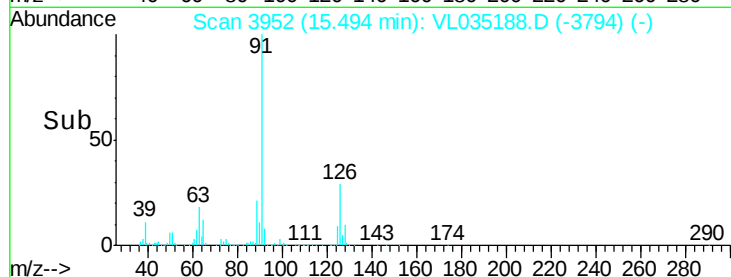
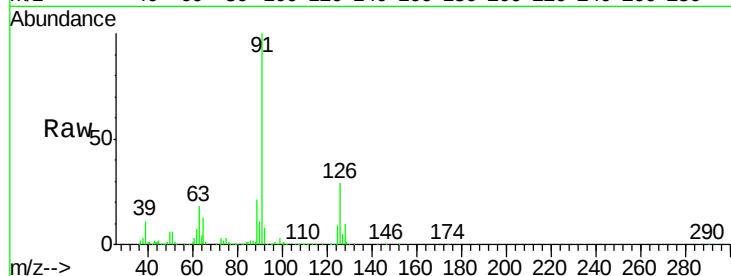
VSTDCCC010EC

Tgt Ion: 91 Resp: 3342331

Ion Ratio Lower Upper

91 100

126 29.7 12.0 48.0



#72

4-Ethyltoluene

Concen: 9.155 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Tgt Ion: 105 Resp: 3450180

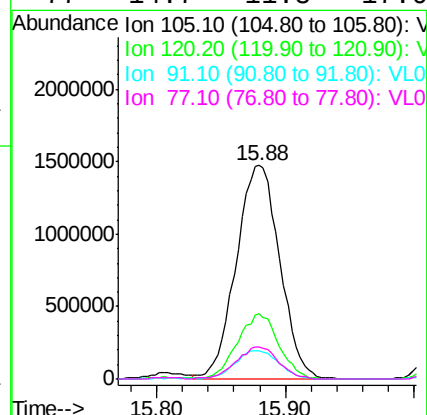
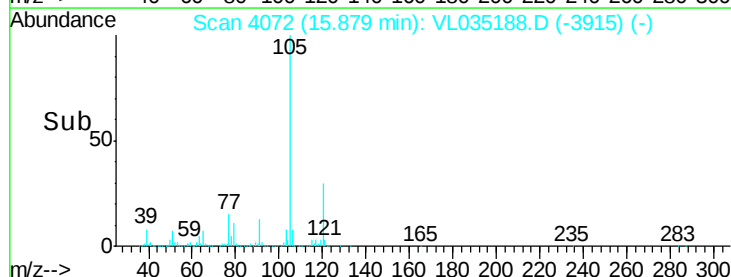
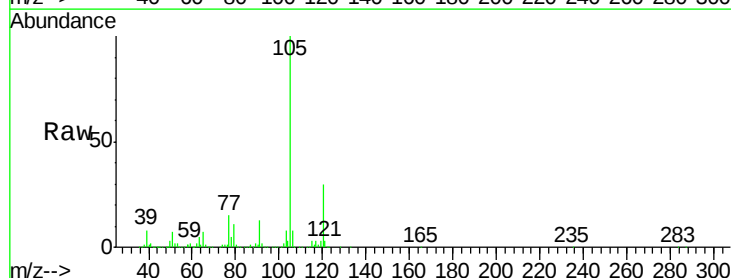
Ion Ratio Lower Upper

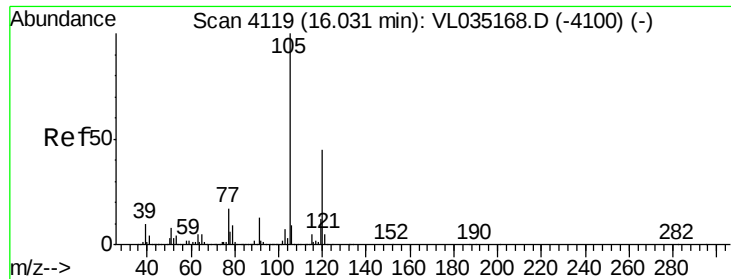
105 100

120 28.8 23.2 34.8

91 13.4 10.9 16.3

77 14.7 11.8 17.6

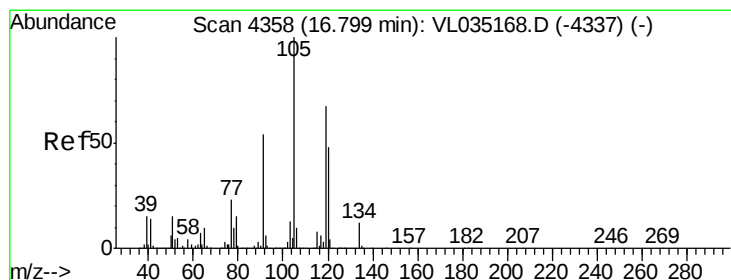
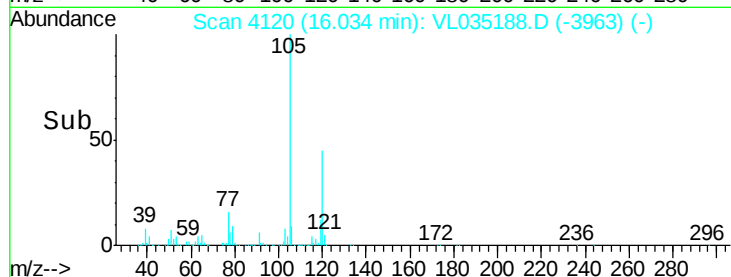
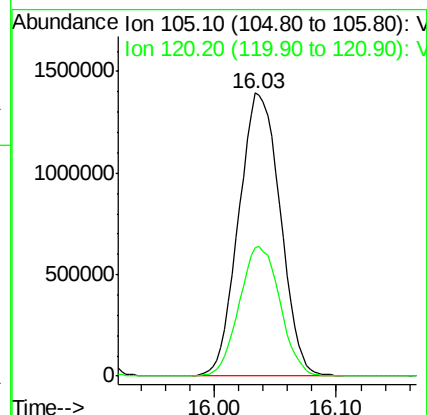
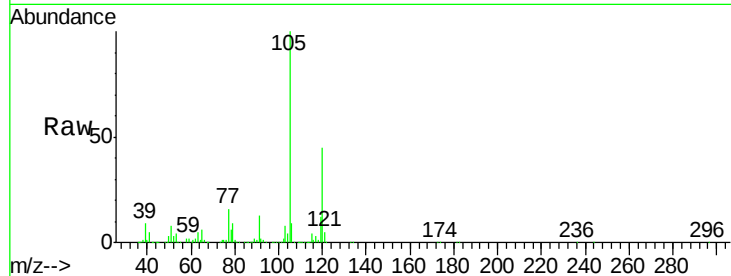




#73
 1,3,5-Trimethylbenzene
 Concen: 9.000 ppbv
 RT: 16.03 min Scan# 4120
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

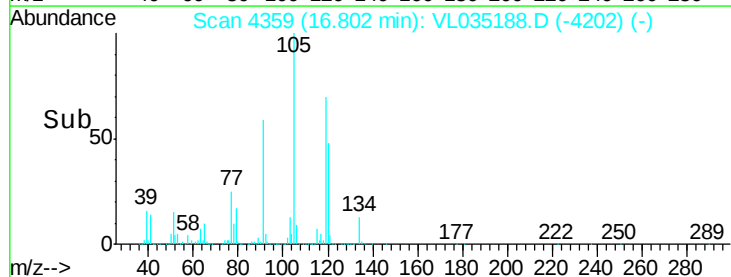
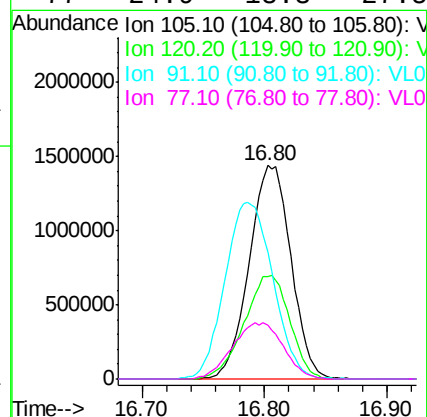
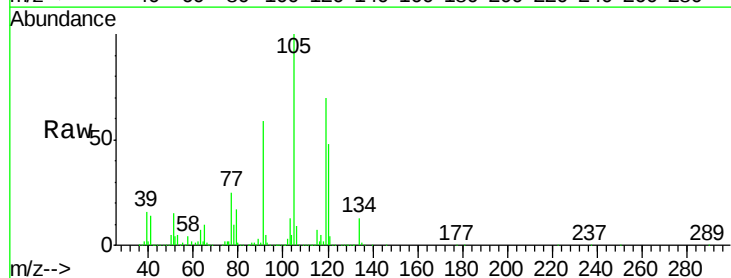
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

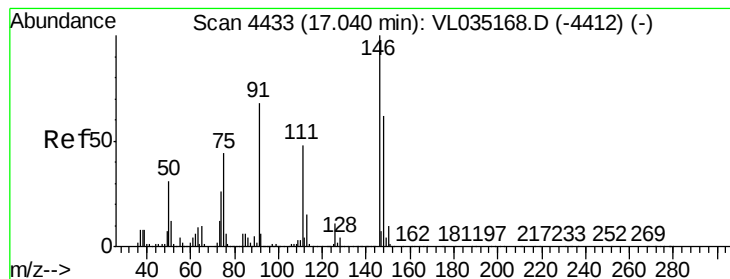
Tgt Ion:105 Resp: 3271076
 Ion Ratio Lower Upper
 105 100
 120 45.3 36.2 54.2



#74
 1,2,4-Trimethylbenzene
 Concen: 8.490 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion:105 Resp: 3409922
 Ion Ratio Lower Upper
 105 100
 120 47.8 38.6 57.8
 91 58.9 43.6 65.4
 77 24.9 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 7.716 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

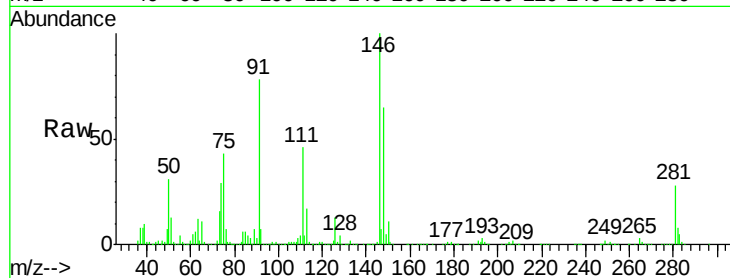
Tgt Ion:146 Resp: 1962508

Ion Ratio Lower Upper

146 100

111 48.2 24.7 74.1

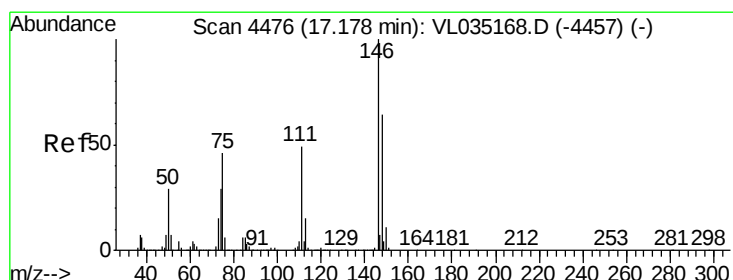
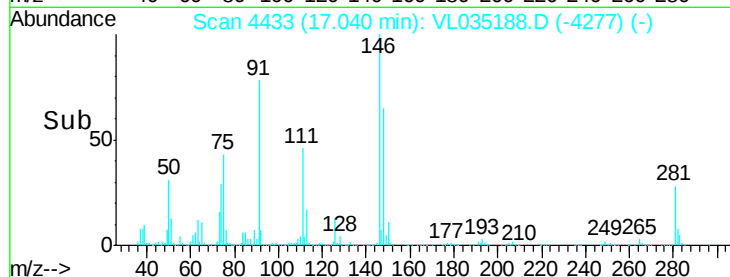
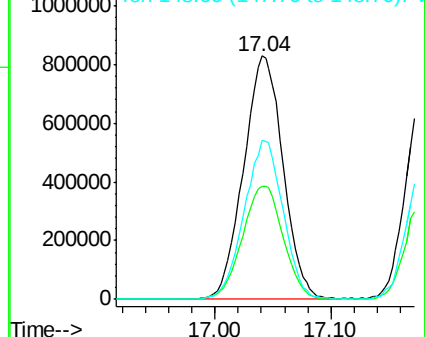
148 64.6 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.317 ppbv

RT: 17.18 min Scan# 4478

Delta R.T. 0.01 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

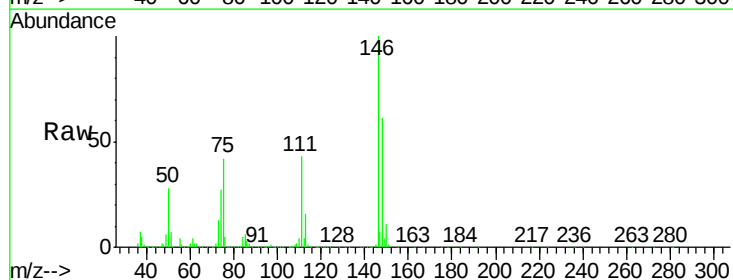
Tgt Ion:146 Resp: 1965826

Ion Ratio Lower Upper

146 100

111 47.4 23.8 71.2

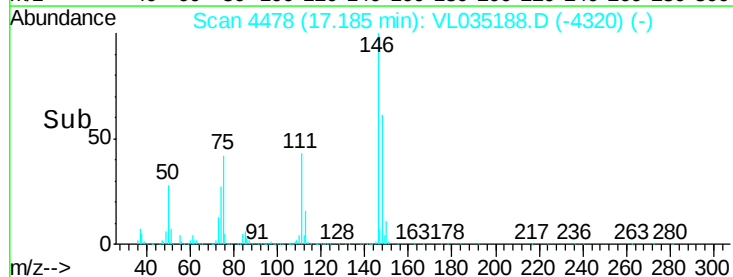
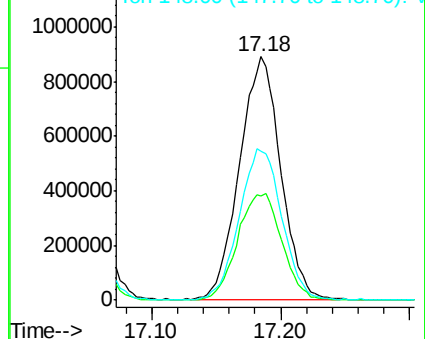
148 64.9 32.3 96.9

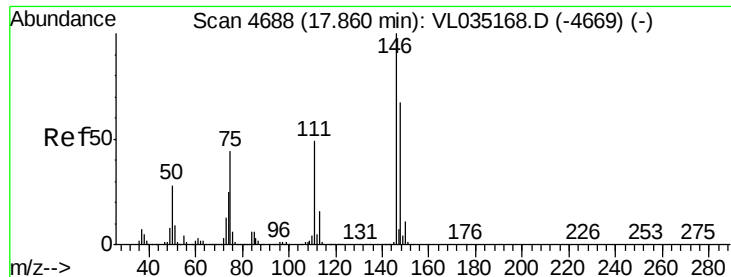


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

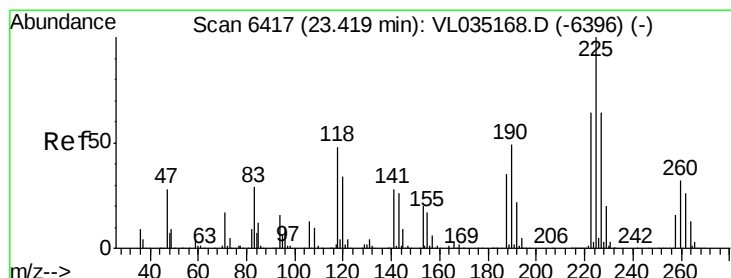
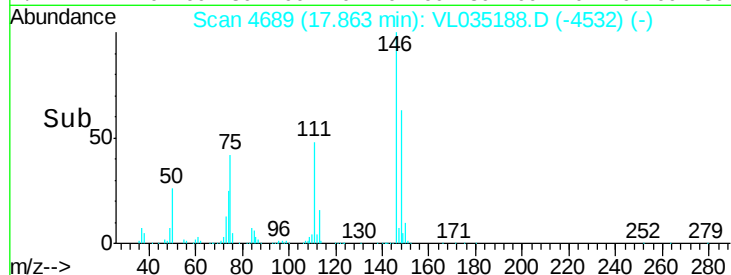
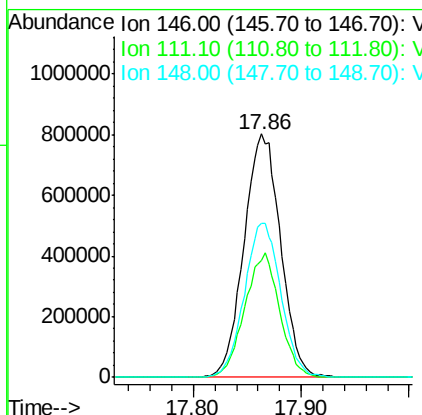
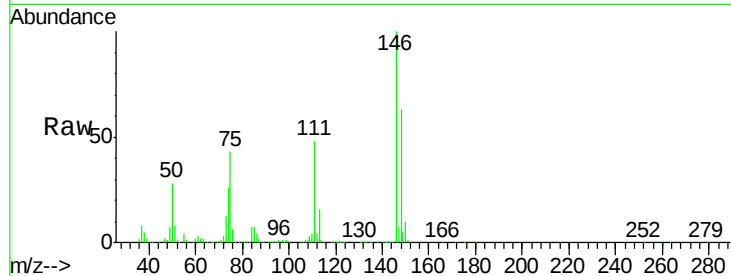




#77
 1,2-Dichlorobenzene
 Concen: 8.269 ppbv
 RT: 17.86 min Scan# 4689
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

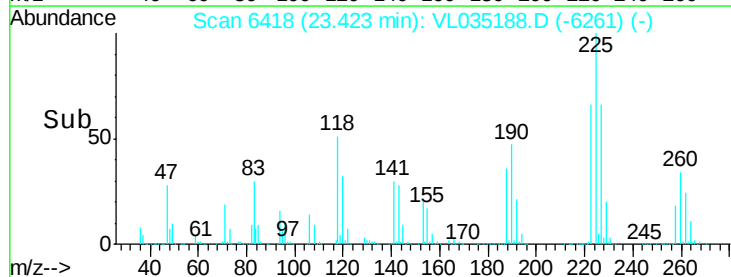
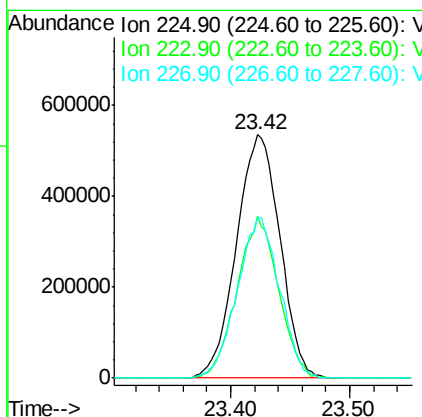
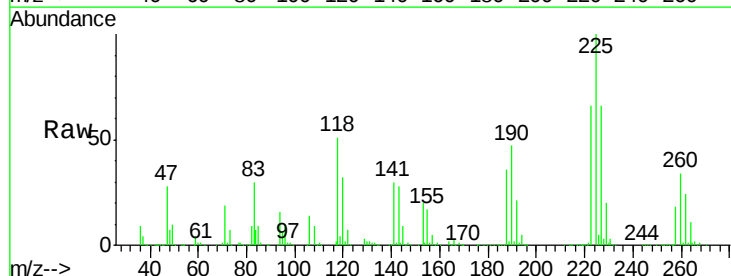
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

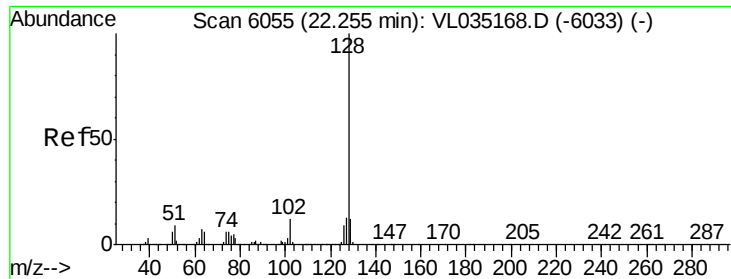
Tgt Ion:146 Resp: 1893510
 Ion Ratio Lower Upper
 146 100
 111 48.8 25.1 75.2
 148 63.2 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.495 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. 0.00 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Tgt Ion:225 Resp: 1356295
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.2 75.2
 227 63.9 51.2 76.8





#79

Naphthalene

Concen: 10.694 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

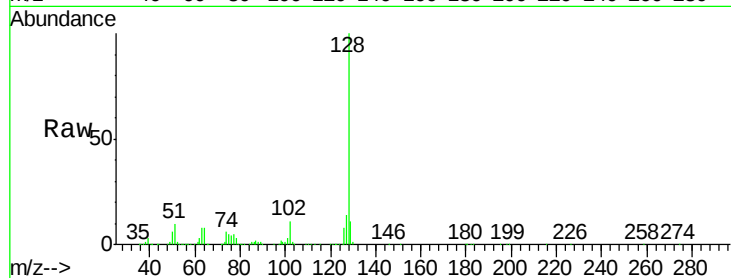
Tgt Ion:128 Resp: 2779141

Ion Ratio Lower Upper

128 100

127 14.0 10.8 16.2

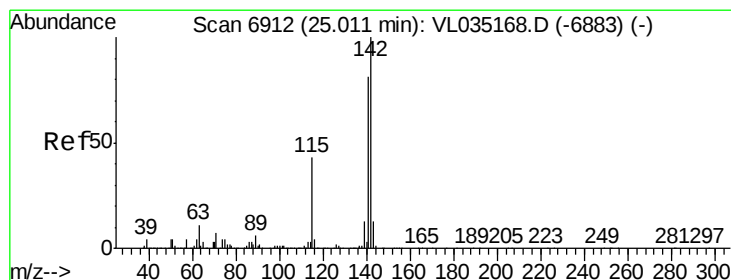
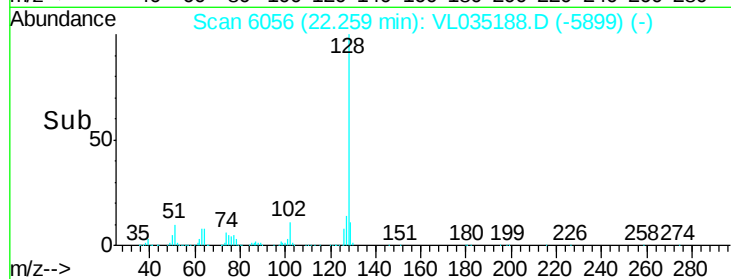
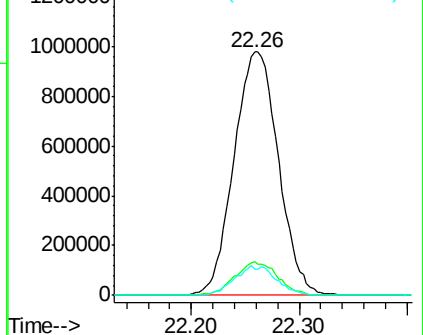
129 10.7 9.4 14.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 15.840 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. 0.00 min

Lab File: VL035188.D

Acq: 8 Jul 2020 17:05

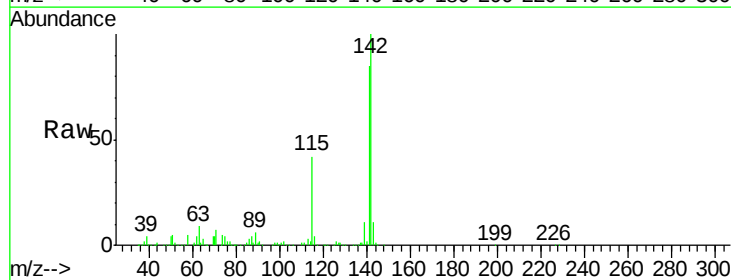
Tgt Ion:142 Resp: 972389

Ion Ratio Lower Upper

142 100

141 84.9 68.2 102.4

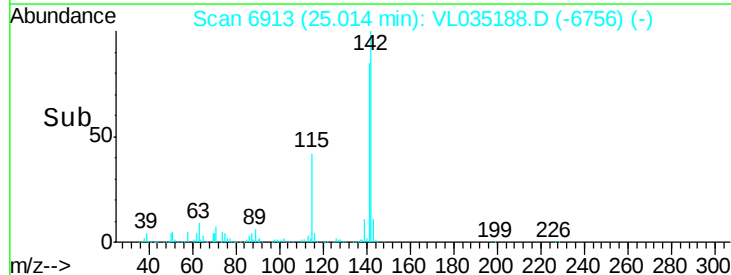
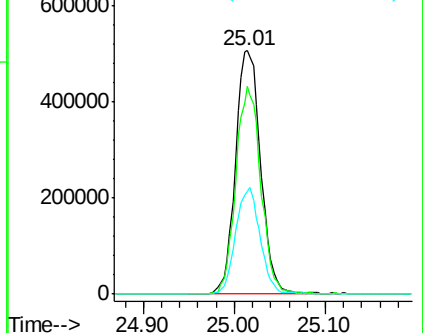
115 42.6 34.4 51.6

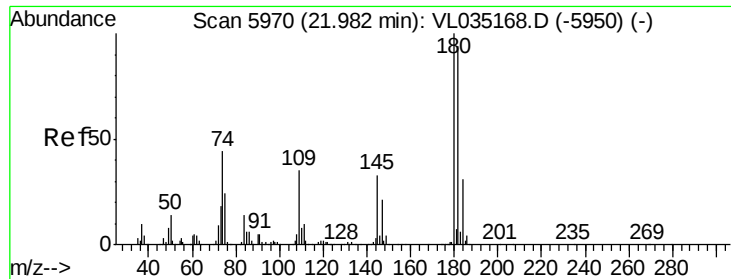


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

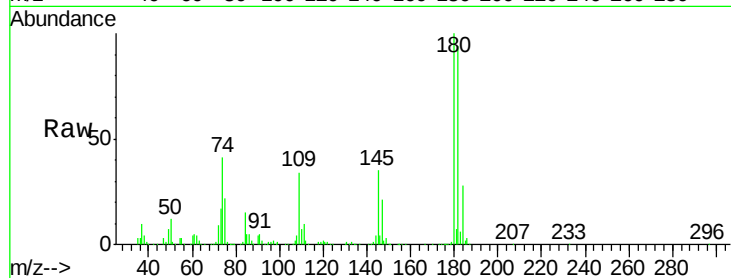




#81
 1,2,4-Trichlorobenzene
 Concen: 9.472 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. 0.01 min
 Lab File: VL035188.D
 Acq: 8 Jul 2020 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1559465
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.7 115.1
 184 30.8 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

