

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035264.D
 Acq On : 30 Jul 2020 2:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 30 07:50:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1332408	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3185460	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3181474	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2460153	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1422000	8.935	ppbv 98
3) Chlorodifluoromethane	2.94	51	1305813	8.854	ppbv 100
4) Chloromethane	3.10	50	758892	9.143	ppbv 99
5) Vinyl Chloride	3.22	62	767005	8.872	ppbv 98
6) Bromomethane	3.44	94	483061	9.046	ppbv 96
7) Chloroethane	3.52	64	294199	9.428	ppbv 98
8) Dichlorotetrafluoroethane	3.15	85	1814032	8.984	ppbv 99
9) Propene	2.97	41	502623	9.776	ppbv 99
10) Heptane	8.14	43	1492771	10.727	ppbv 99
11) Trichlorofluoromethane	3.92	101	1935596	9.043	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1343337	8.849	ppbv 98
13) Ethanol	3.57	45	122355	5.847	ppbv 95
14) Bromoethene	3.71	108	586134	9.461	ppbv 98
15) Acetone	3.82	43	1451720	8.168	ppbv 100
16) 1,3-Butadiene	3.29	39	684899	9.879	ppbv 100
17) tert-Butyl alcohol	4.27	59	1603440	9.348	ppbv 100
18) 1,1-Dichloroethene	4.27	96	613434	9.101	ppbv 97
19) Isopropyl Alcohol	3.94	45	1064385	9.081	ppbv 100
20) Methylene Chloride	4.32	84	585872	7.242	ppbv 97
21) Allyl Chloride	4.39	41	985484	9.736	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	603959	9.325	ppbv 94
23) Vinyl Acetate	5.06	43	1827971	10.236	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1559645	9.365	ppbv 99
25) Ethyl Acetate	5.67	43	2637606	9.504	ppbv 100
26) Hexane	5.68	57	1209129	9.657	ppbv 99
27) Carbon Disulfide	4.53	76	1593026	9.417	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1825242	10.198	ppbv 99
29) Chloroform	5.75	83	1934453	9.212	ppbv 98
30) Cyclohexane	7.14	84	997387	11.145	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1161736	10.644	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1910528	8.889	ppbv 99
34) 2-Butanone	5.23	43	1590178	9.811	ppbv 98
35) Carbon Tetrachloride	7.03	117	1992487	9.342	ppbv 97
36) Benzene	6.90	78	2322722	10.492	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1496134	9.668	ppbv 100
38) Trichloroethene	7.85	130	975706	10.634	ppbv 98
39) 1,2-Dichloropropane	7.63	63	918243	10.396	ppbv 98
40) 1,4-Dioxane	7.85	88	381357	10.964	ppbv # 1
41) Tetrahydrofuran	6.05	42	867812	10.924	ppbv 99
42) Bromodichloromethane	7.81	83	2075483	10.048	ppbv 97
43) Methyl Methacrylate	8.03	69	1070361	11.159	ppbv 99

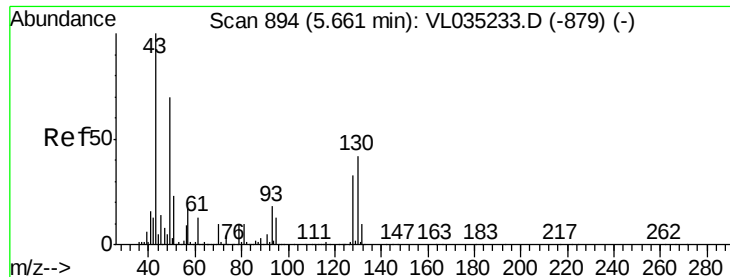
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035264.D
 Acq On : 30 Jul 2020 2:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 30 07:50:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4091668	10.490	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1168648	12.092	ppbv	95
46) cis-1,3-Dichloropropene	8.73	75	1392102	11.823	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1022814	9.803	ppbv	95
48) Dibromochloromethane	10.34	129	1736363	10.567	ppbv	100
49) Bromoform	13.08	173	1571228	10.636	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	2518907	10.724	ppbv	100
51) 2-Hexanone	10.16	43	2045440	11.483	ppbv #	100
52) Tetrachloroethene	11.26	164	872354	10.328	ppbv	93
53) Toluene	9.83	91	2771664	11.780	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1549724	10.272	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	1346917	9.208	ppbv	96
57) Chlorobenzene	12.19	112	2233810	9.332	ppbv	97
58) Ethyl Benzene	12.75	91	3829784	11.366	ppbv	98
59) m/p-Xylene	13.03	91	6487458m	20.682	ppbv	
60) o-Xylene	13.73	91	3261570	10.421	ppbv	100
61) Styrene	13.57	104	2281244	12.008	ppbv	99
62) Isopropylbenzene	14.71	105	4798819	10.302	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2375018	8.819	ppbv	100
64) n-propylbenzene	15.61	120	1318160	10.643	ppbv	97
65) tert-Butylbenzene	16.79	119	4287270	10.159	ppbv	100
66) Benzyl Chloride	17.04	91	1654117	10.007	ppbv	100
67) sec-Butylbenzene	17.35	105	6121932	9.928	ppbv	100
69) p-Isopropyltoluene	17.71	119	5122992	10.185	ppbv	100
70) n-Butylbenzene	18.60	91	5410359	9.942	ppbv	99
71) 2-Chlorotoluene	15.50	91	3719188	10.588	ppbv	99
72) 4-Ethyltoluene	15.89	105	3896162	11.060	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	3658606	10.650	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	3849115	9.625	ppbv	96
75) 1,3-Dichlorobenzene	17.05	146	2269629	8.789	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	2235000	9.569	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	2163415	9.354	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1440233	7.607	ppbv	99
79) Naphthalene	22.27	128	3034428	9.542	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	924156	8.979	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	1763869	9.112	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

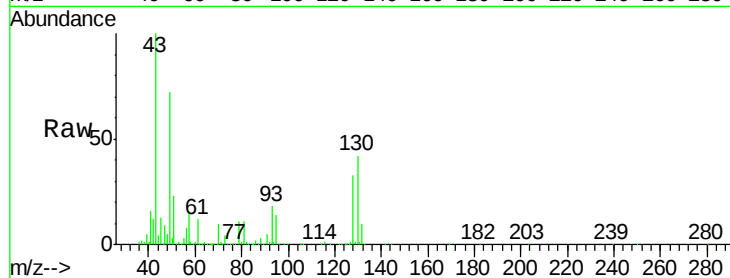
Tot Ion: 49 Resp: 1332408

Ion Ratio Lower Upper

49 100

128 47.7 24.0 72.0

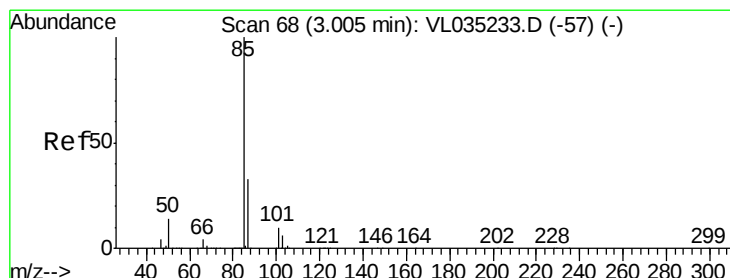
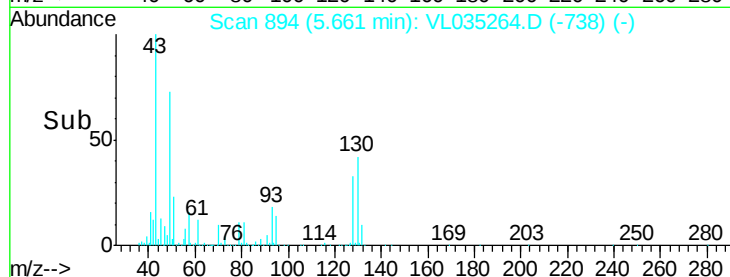
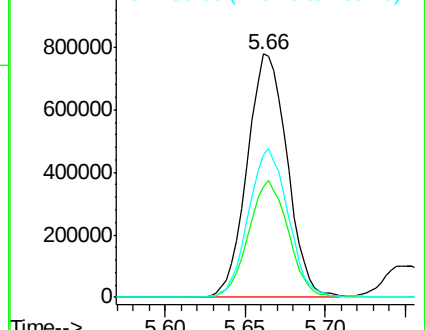
130 61.0 30.7 92.1



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: 8.935 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035264.D

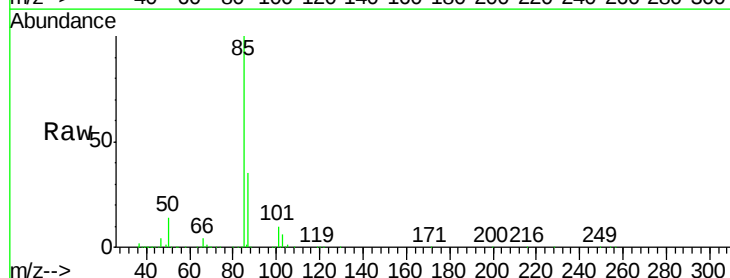
Acq: 30 Jul 2020 2:47

Tgt Ion: 85 Resp: 1422000

Ion Ratio Lower Upper

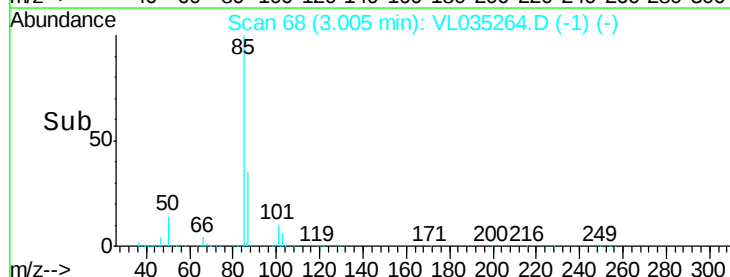
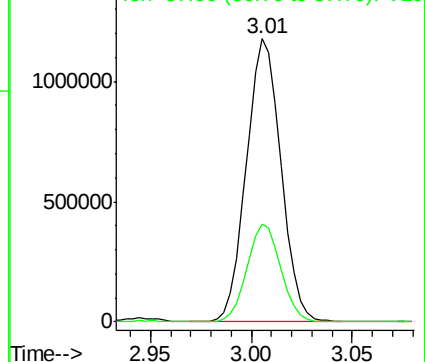
85 100

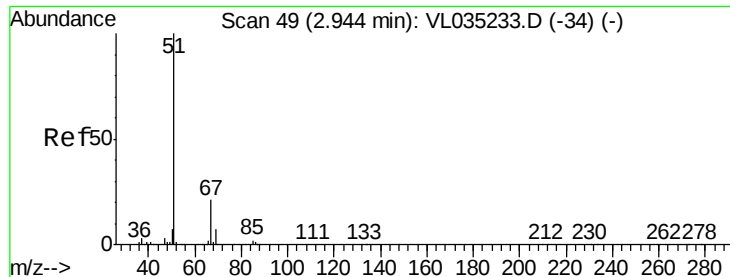
87 34.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

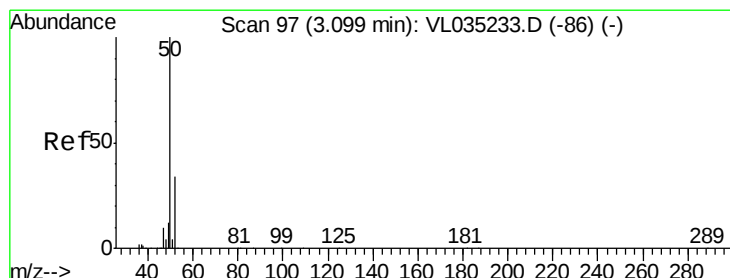
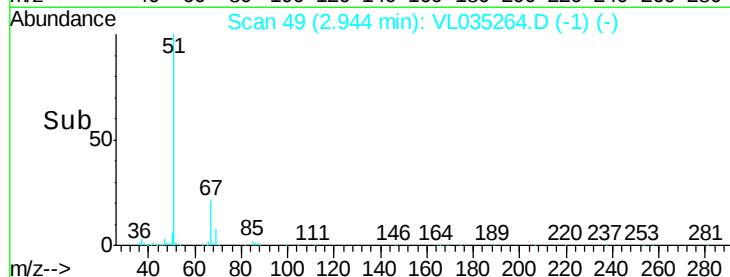
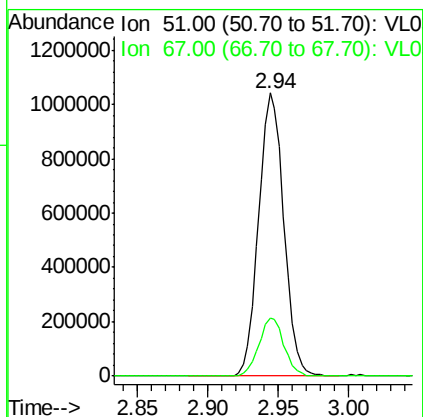
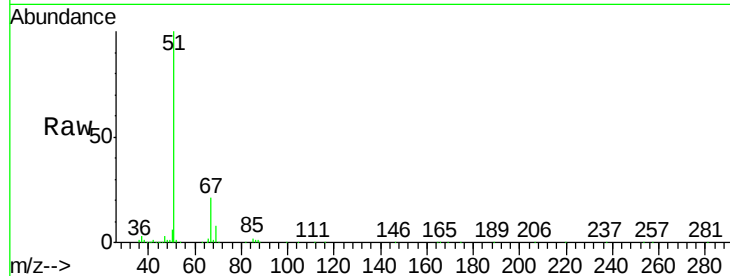




#3
Chlorodifluoromethane
Concen: 8.854 ppbv
RT: 2.94 min Scan# 49
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

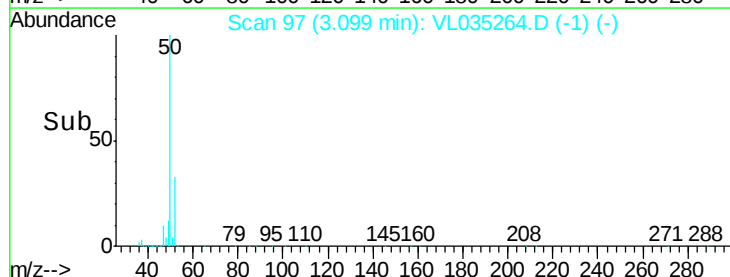
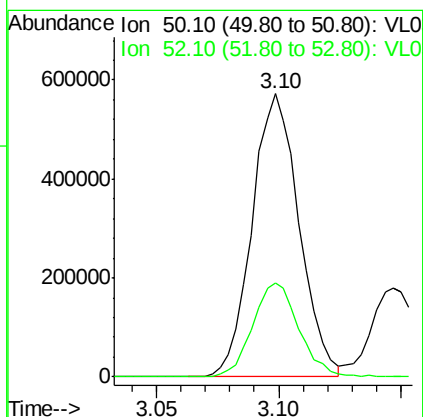
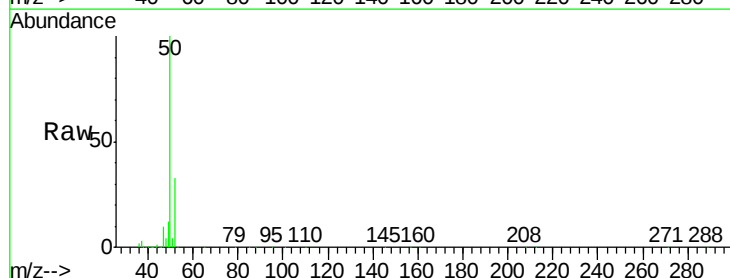
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

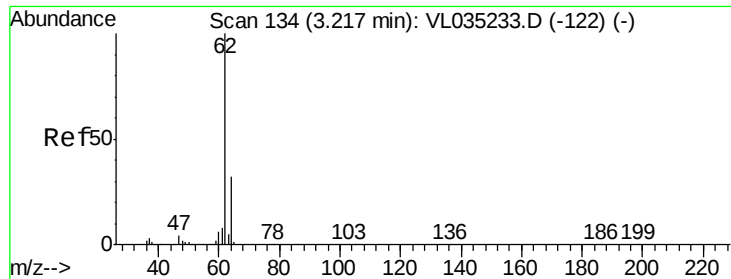
Tot Ion: 51 Resp: 1305813
Ion Ratio Lower Upper
51 100
67 20.6 16.6 25.0



#4
Chloromethane
Concen: 9.143 ppbv
RT: 3.10 min Scan# 97
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

Tgt Ion: 50 Resp: 758892
Ion Ratio Lower Upper
50 100
52 33.1 27.1 40.7





#5

Vinyl Chloride

Concen: 8.872 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

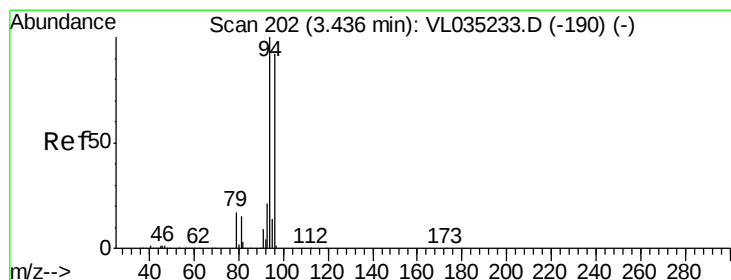
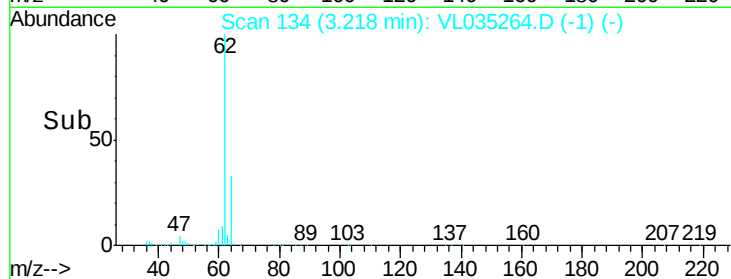
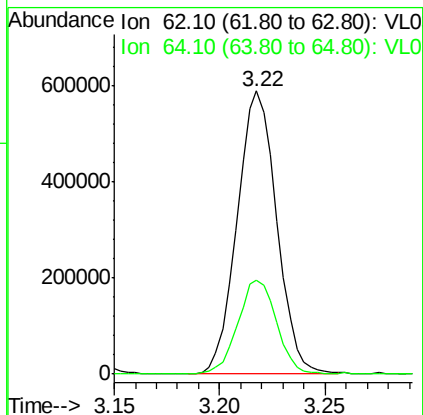
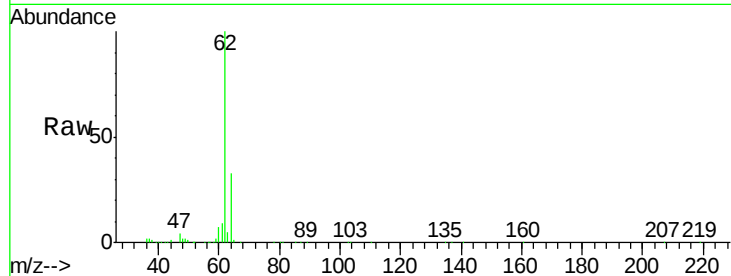
VSTDCCC010

Tot Ion: 62 Resp: 767005

Ion Ratio Lower Upper

62 100

64 33.2 25.8 38.6



#6

Bromomethane

Concen: 9.046 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL035264.D

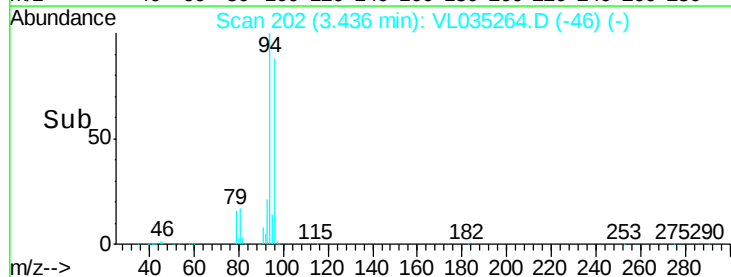
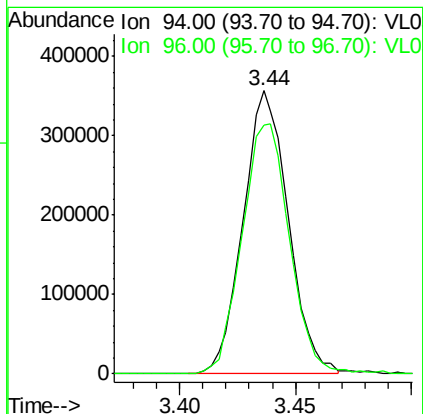
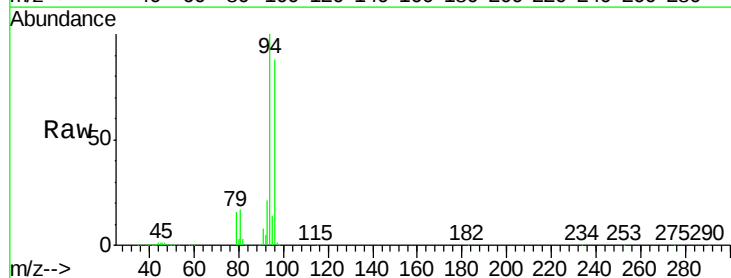
Acq: 30 Jul 2020 2:47

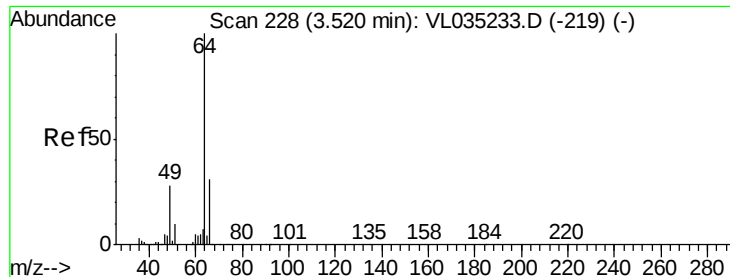
Tgt Ion: 94 Resp: 483061

Ion Ratio Lower Upper

94 100

96 87.7 73.2 109.8





#7

Chloroethane

Concen: 9.428 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

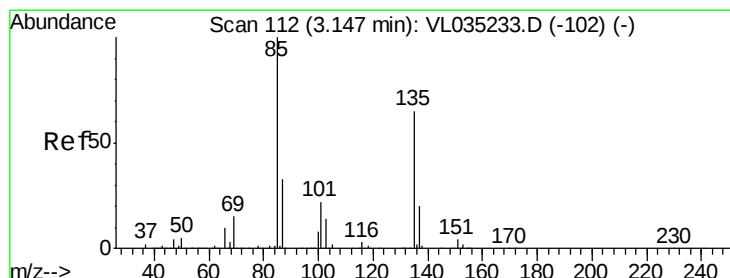
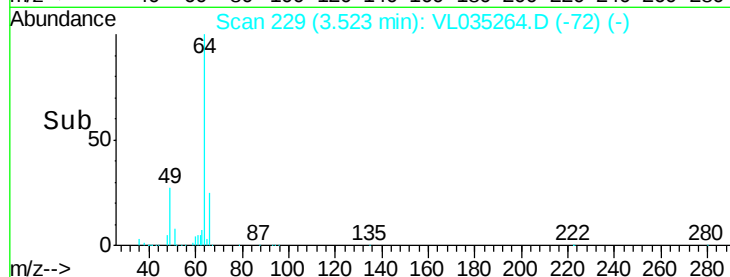
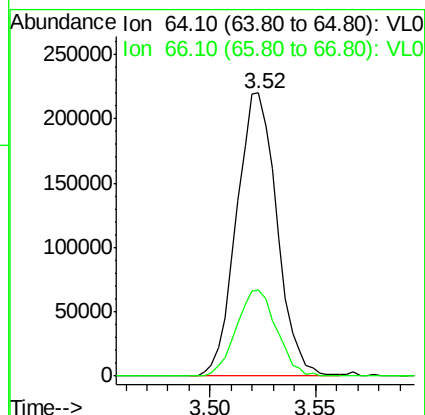
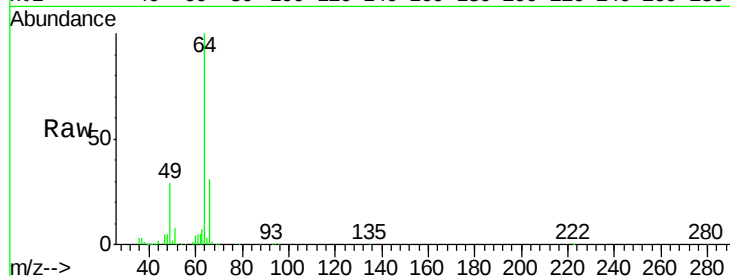
VSTDCCC010

Tot Ion: 64 Resp: 294199

Ion Ratio Lower Upper

64 100

66 30.6 25.6 38.4



#8

Dichlorotetrafluoroethane

Concen: 8.984 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035264.D

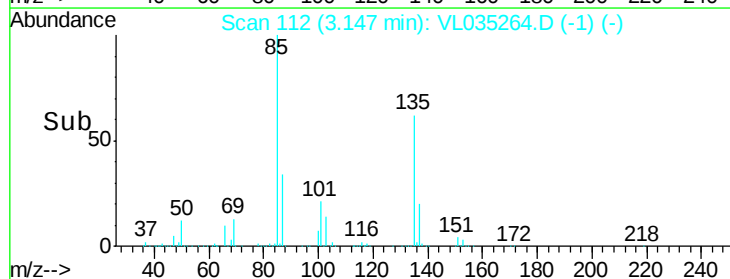
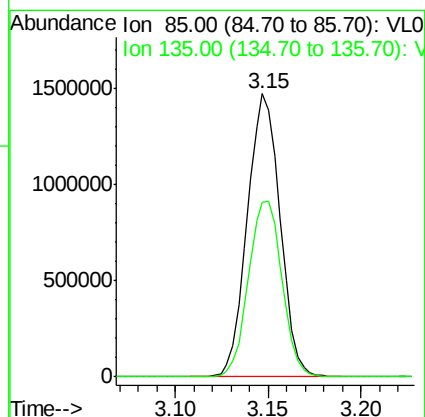
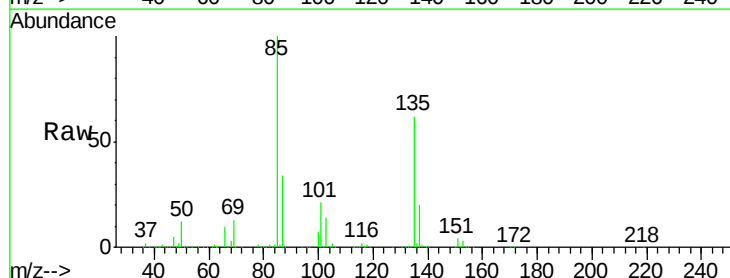
Acq: 30 Jul 2020 2:47

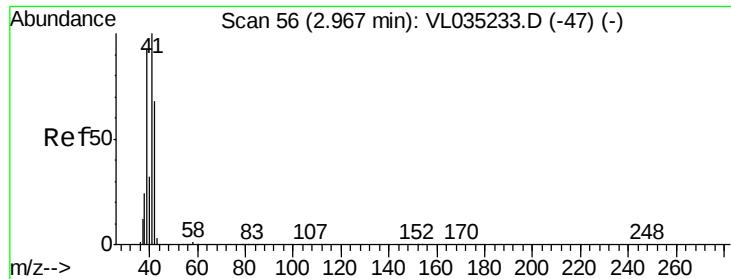
Tgt Ion: 85 Resp: 1814032

Ion Ratio Lower Upper

85 100

135 63.7 51.4 77.0





#9

Propene

Concen: 9.776 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

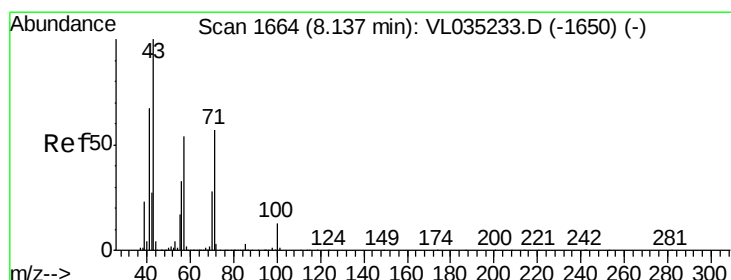
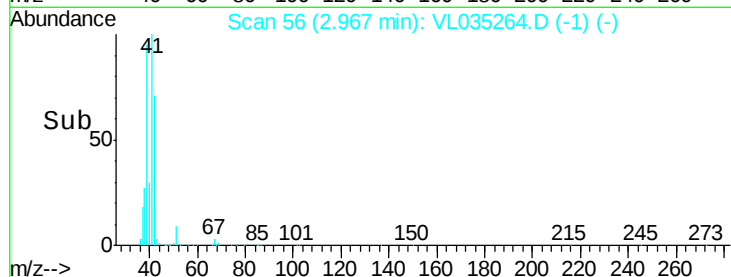
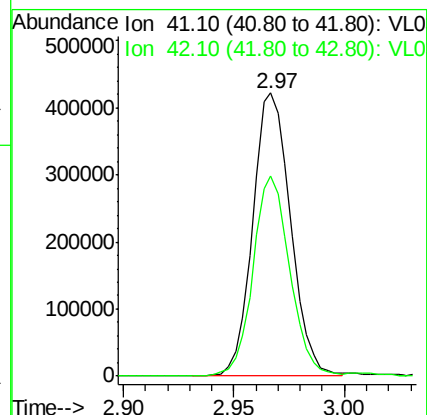
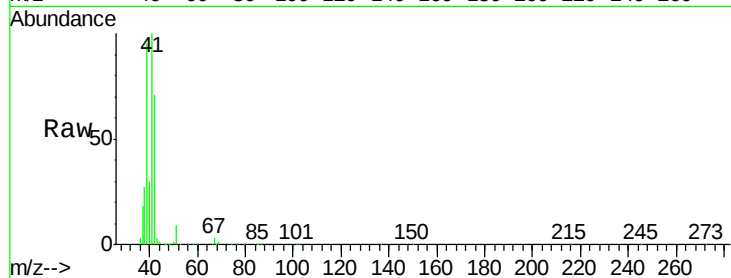
VSTDCCC010

Tot Ion: 41 Resp: 502623

Ion Ratio Lower Upper

41 100

42 69.9 55.0 82.6



#10

Heptane

Concen: 10.727 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL035264.D

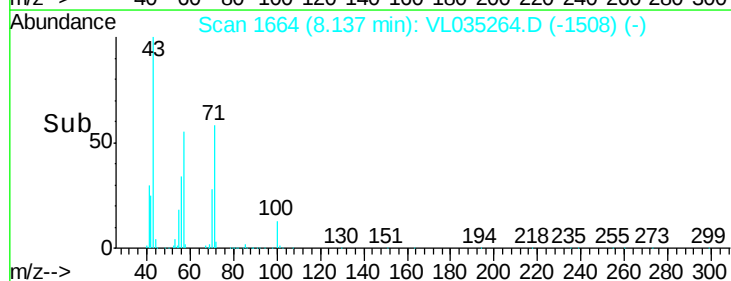
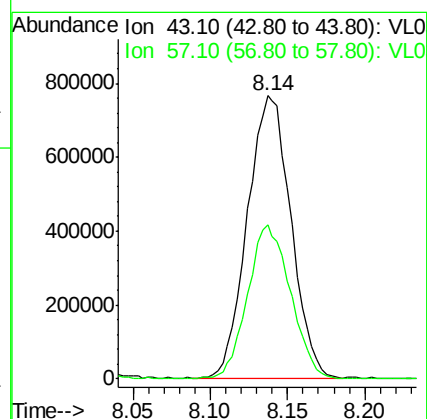
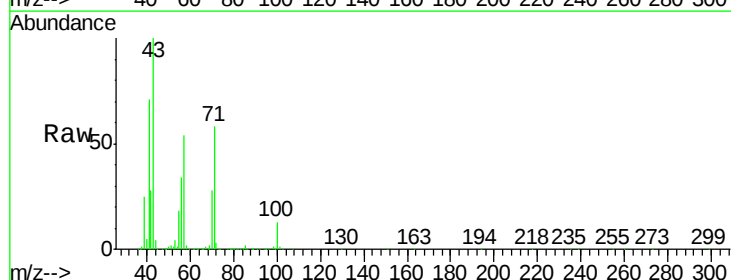
Acq: 30 Jul 2020 2:47

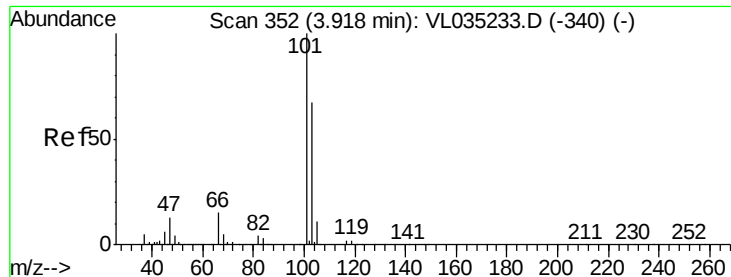
Tgt Ion: 43 Resp: 1492771

Ion Ratio Lower Upper

43 100

57 54.1 43.0 64.4





#11

Trichlorofluoromethane

Concen: 9.043 ppbv

RT: 3.92 min Scan# 353

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

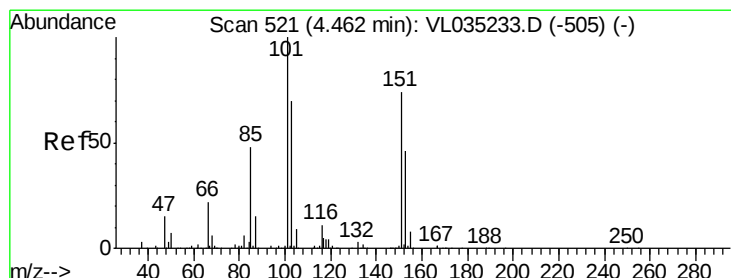
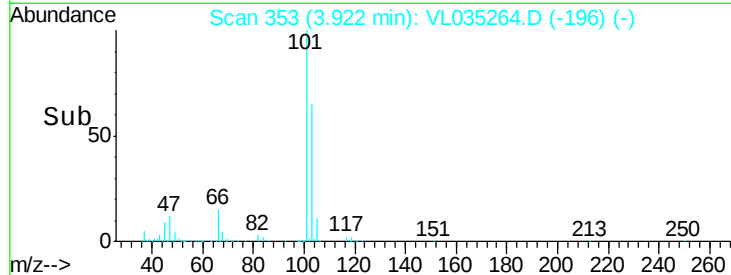
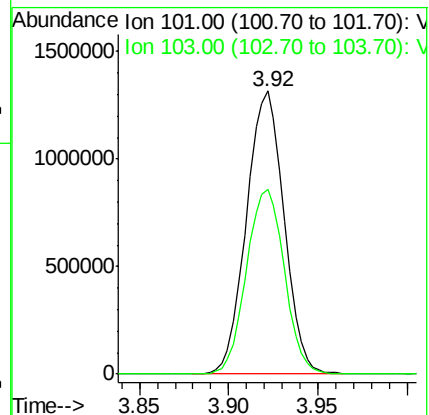
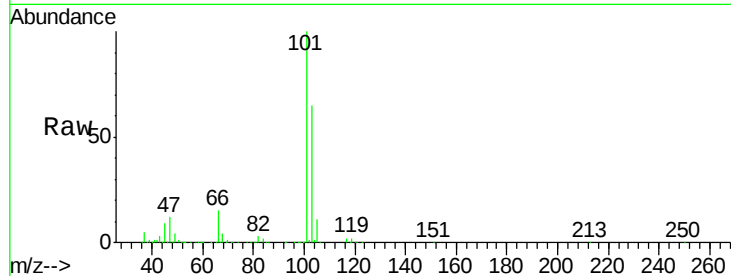
VSTDCCC010

Tot Ion:101 Resp: 1935596

Ion Ratio Lower Upper

101 100

103 65.1 53.4 80.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.849 ppbv

RT: 4.46 min Scan# 521

Delta R.T. 0.00 min

Lab File: VL035264.D

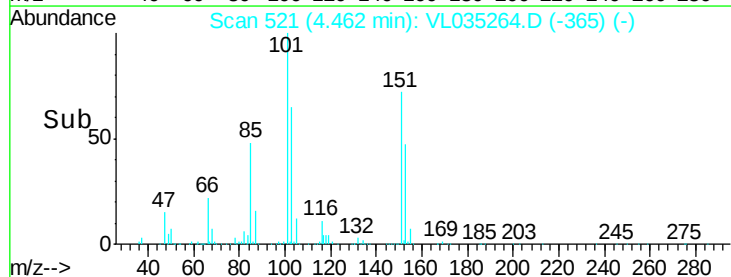
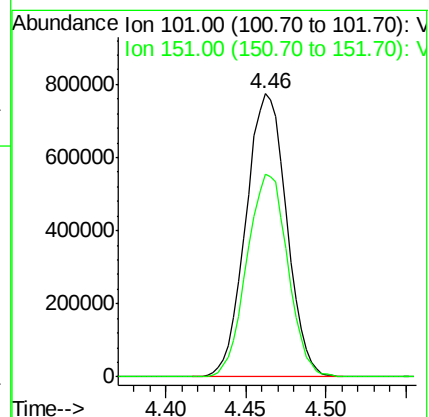
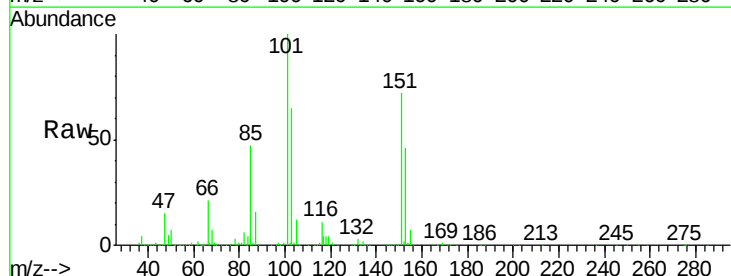
Acq: 30 Jul 2020 2:47

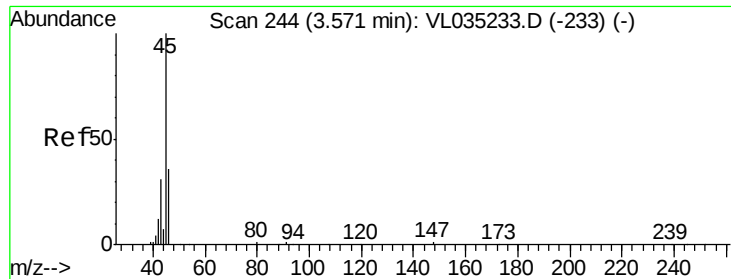
Tgt Ion:101 Resp: 1343337

Ion Ratio Lower Upper

101 100

151 72.1 56.6 85.0





#13

Ethanol

Concen: 5.847 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

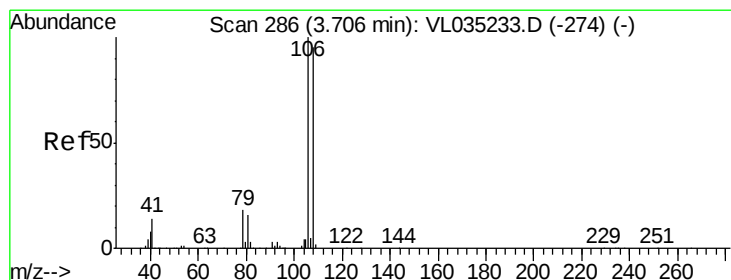
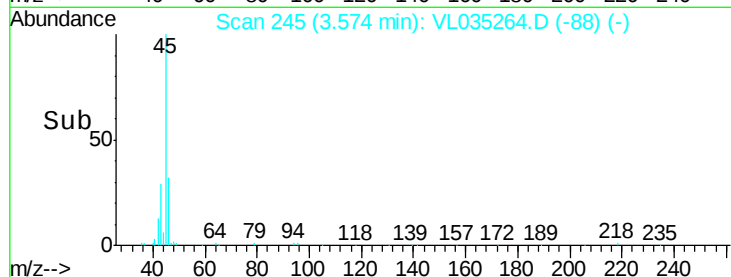
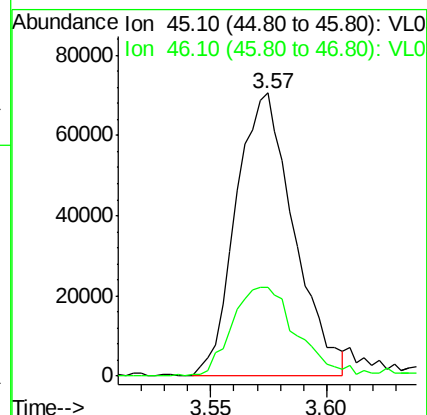
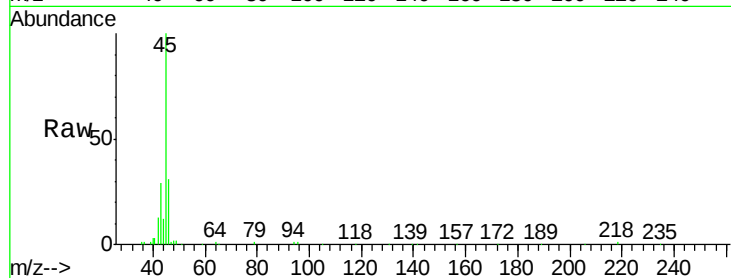
VSTDCCC010

Tot Ion: 45 Resp: 122355

Ion Ratio Lower Upper

45 100

46 36.5 15.8 63.4



#14

Bromoethene

Concen: 9.461 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

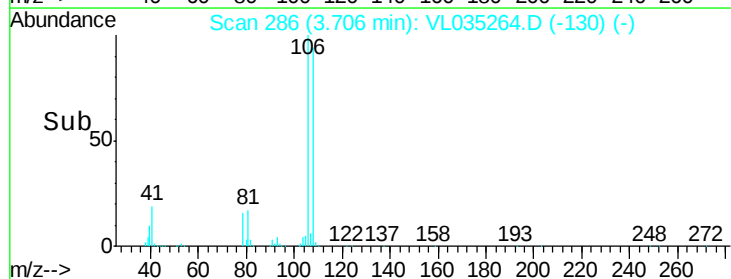
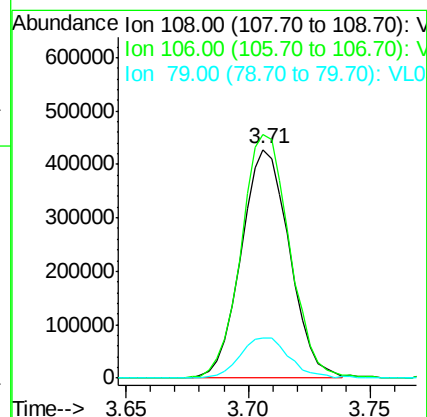
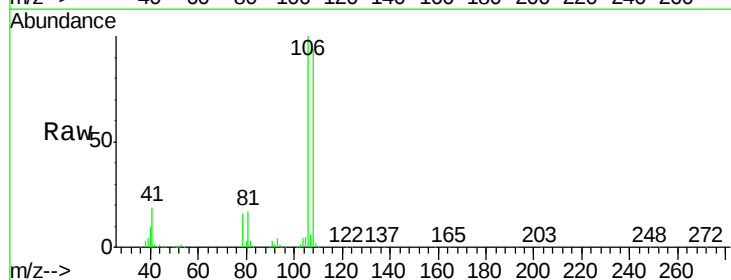
Tgt Ion: 108 Resp: 586134

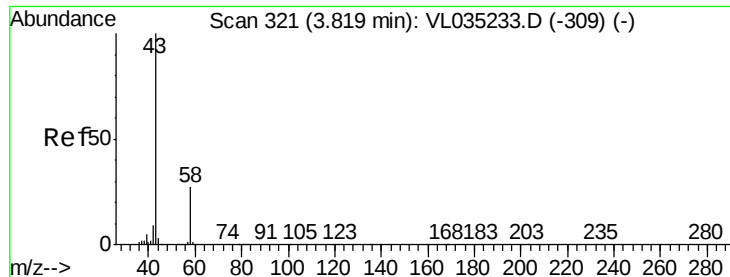
Ion Ratio Lower Upper

108 100

106 107.8 85.0 127.6

79 18.3 15.4 23.2





#15

Acetone

Concen: 8.168 ppbv

RT: 3.82 min Scan# 321

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

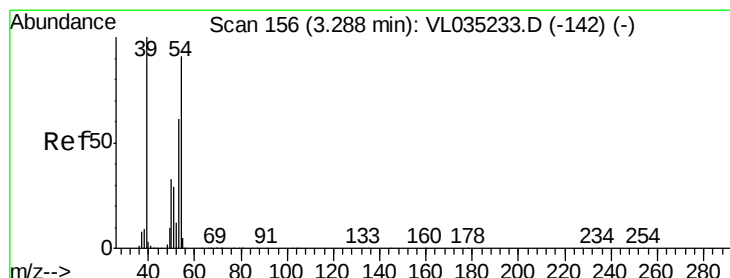
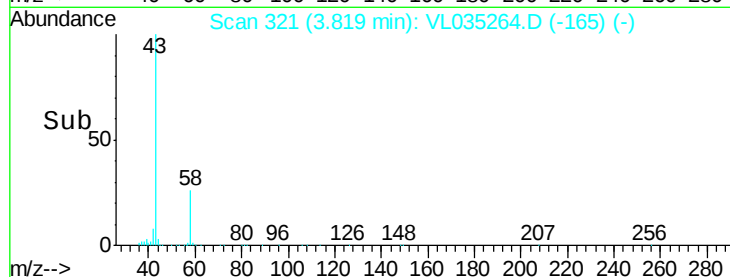
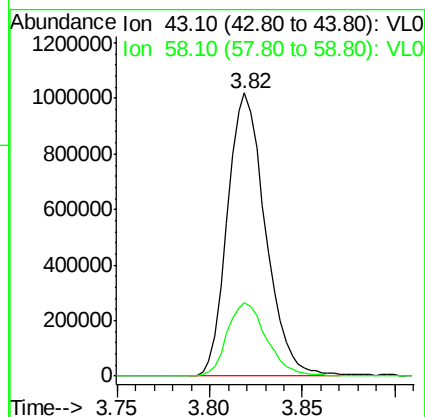
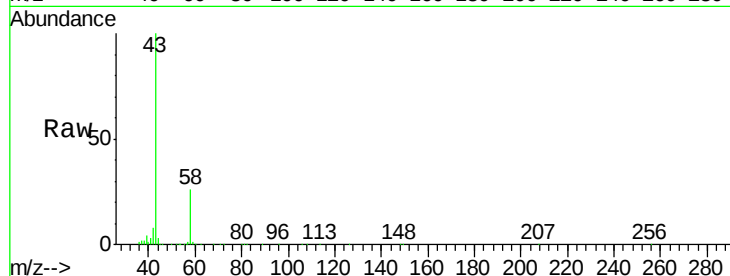
VSTDCCC010

Tot Ion: 43 Resp: 1451720

Ion Ratio Lower Upper

43 100

58 27.0 21.8 32.6



#16

1,3-Butadiene

Concen: 9.879 ppbv

RT: 3.29 min Scan# 156

Delta R.T. 0.00 min

Lab File: VL035264.D

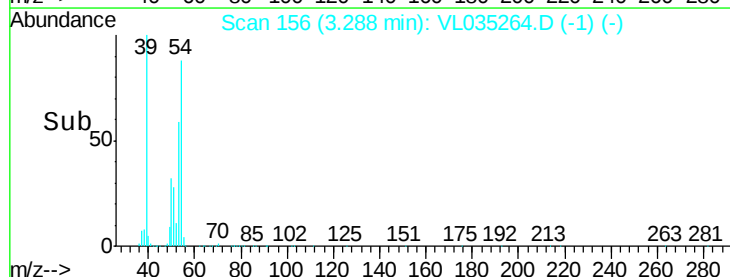
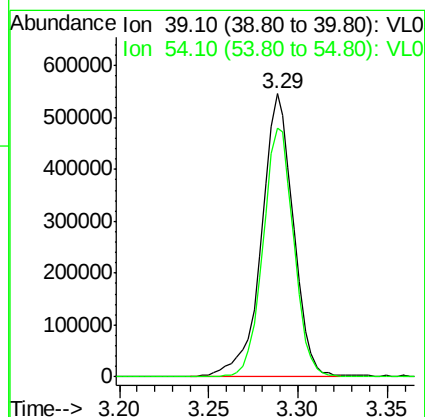
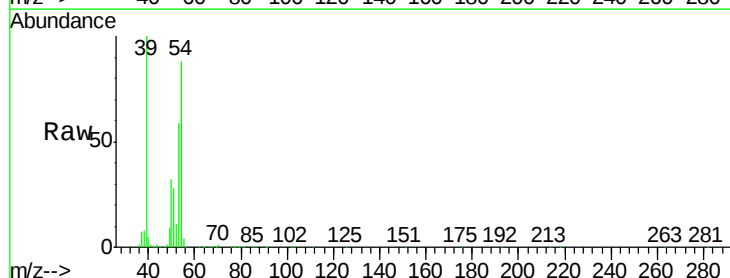
Acq: 30 Jul 2020 2:47

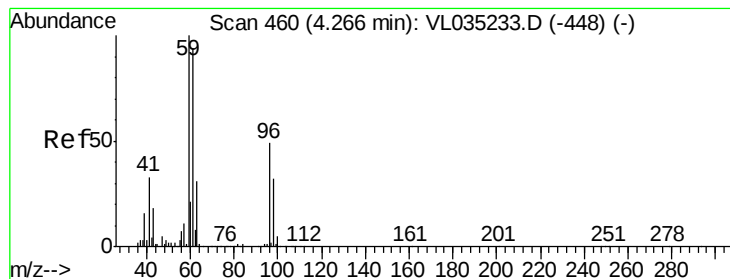
Tgt Ion: 39 Resp: 684899

Ion Ratio Lower Upper

39 100

54 85.3 68.2 102.2





#17

tert-Butyl alcohol

Concen: 9.348 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

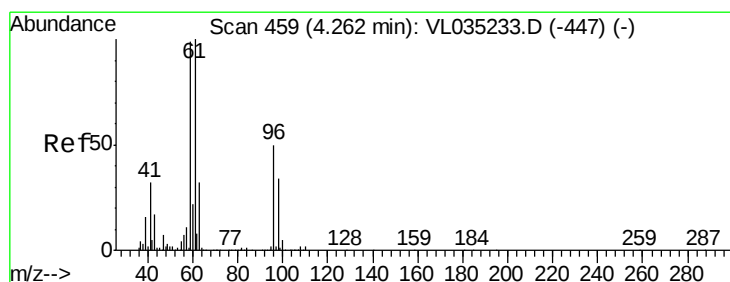
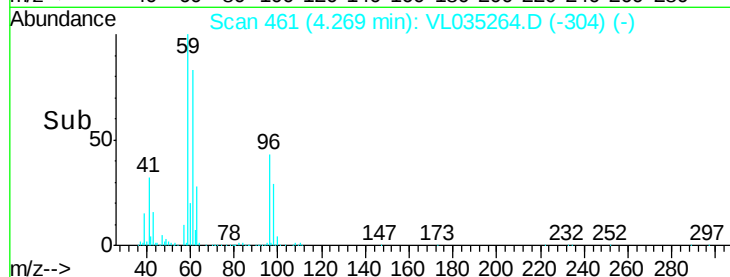
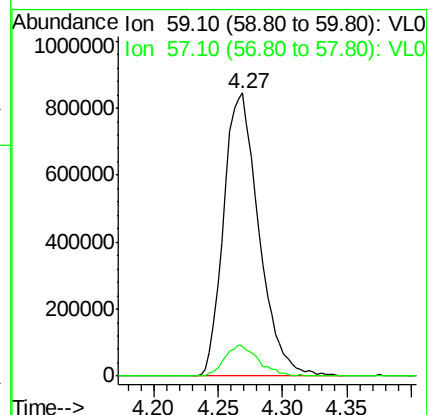
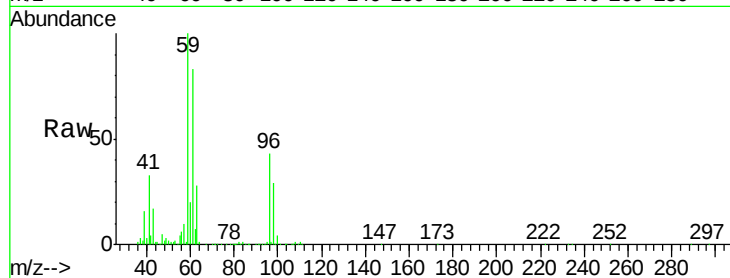
VSTDCCC010

Tot Ion: 59 Resp: 1603440

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 9.101 ppbv

RT: 4.27 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

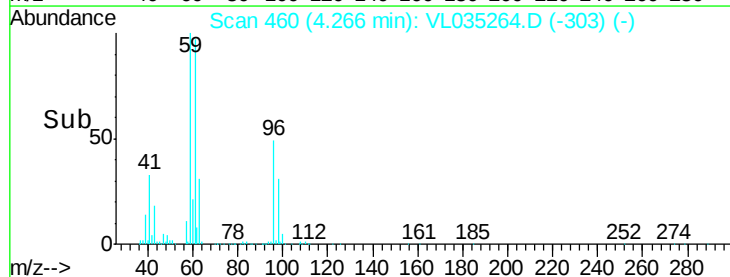
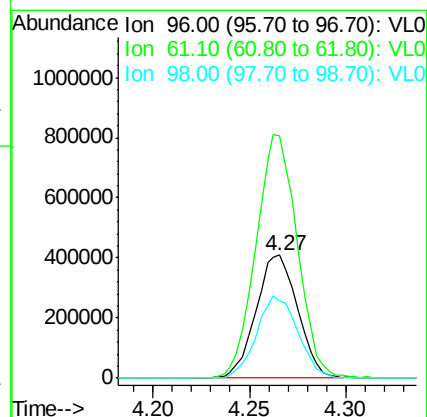
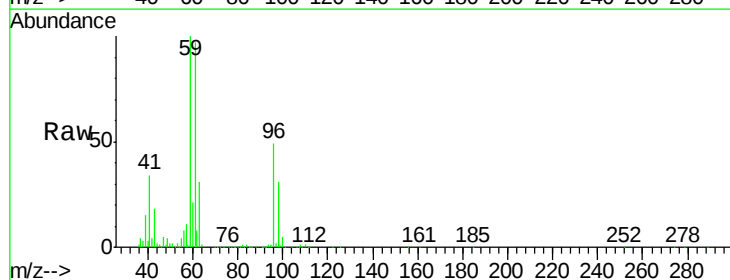
Tgt Ion: 96 Resp: 613434

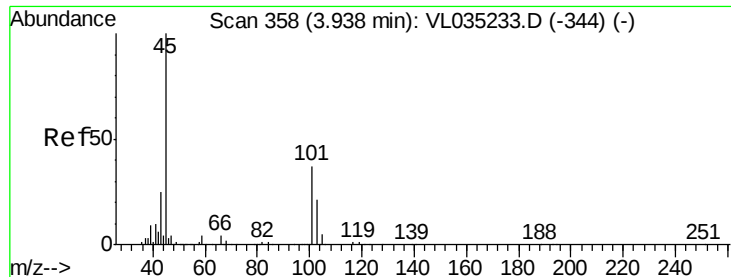
Ion Ratio Lower Upper

96 100

61 196.4 159.4 239.2

98 62.2 53.9 80.9





#19

Isopropyl Alcohol

Concen: 9.081 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

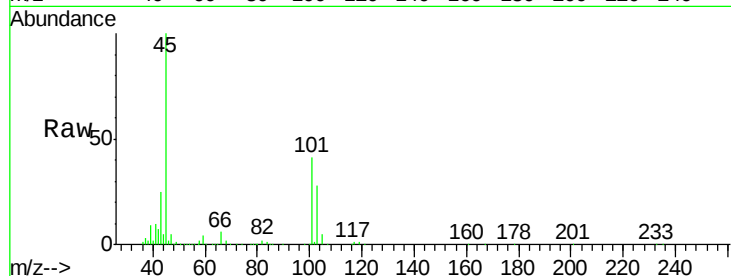
VSTDCCC010

Tot Ion: 45 Resp: 1064385

Ion Ratio Lower Upper

45 100

58 2.4 1.9 2.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.94

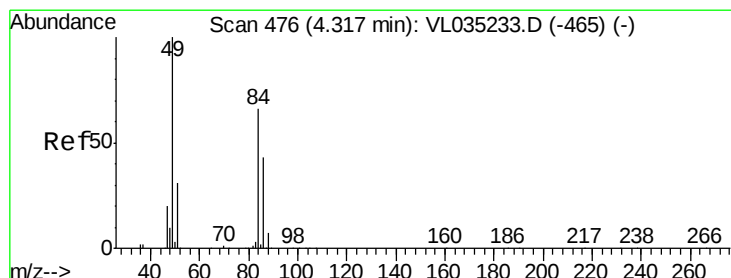
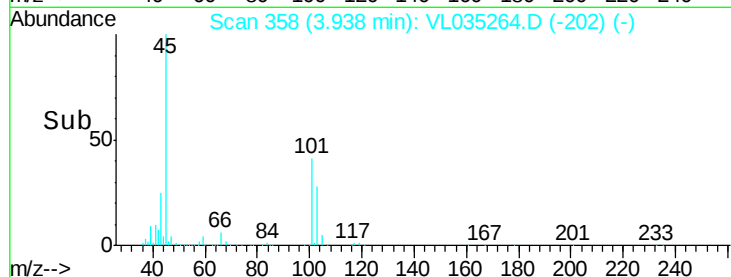
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.242 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Tgt Ion: 84 Resp: 585872

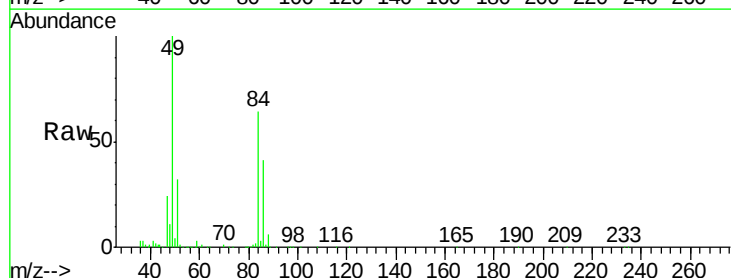
Ion Ratio Lower Upper

84 100

49 156.3 121.0 181.4

51 49.8 37.7 56.5

86 64.4 52.2 78.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

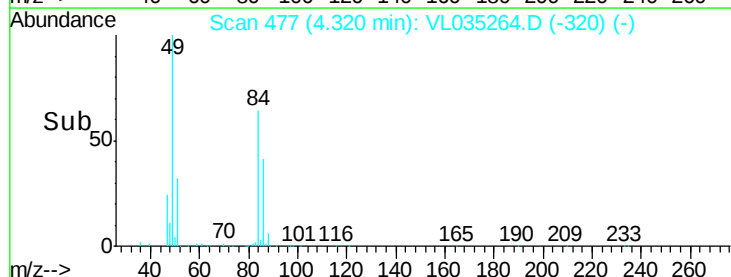
600000

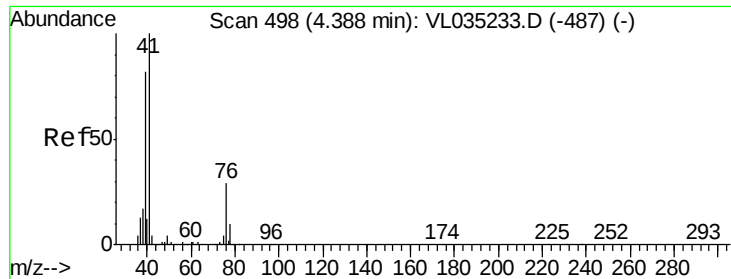
400000

200000

0

Time-->

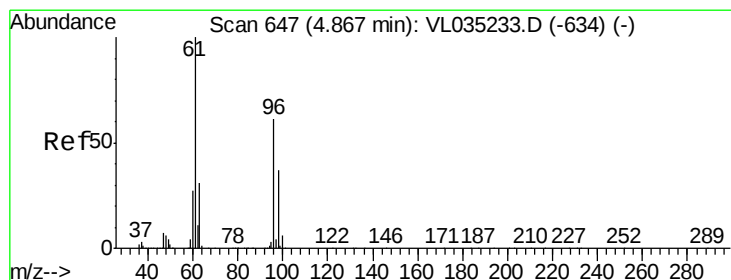
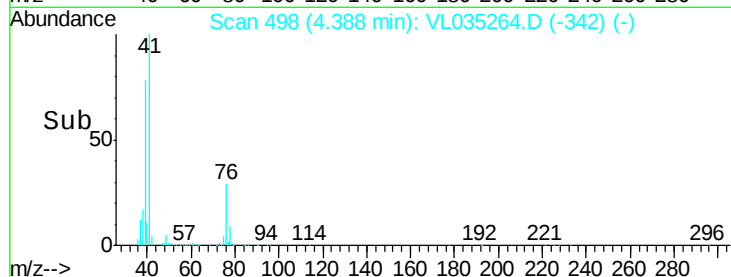
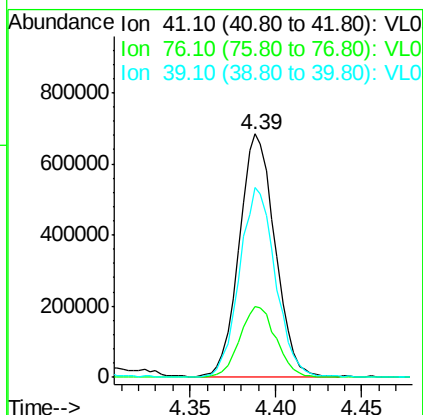
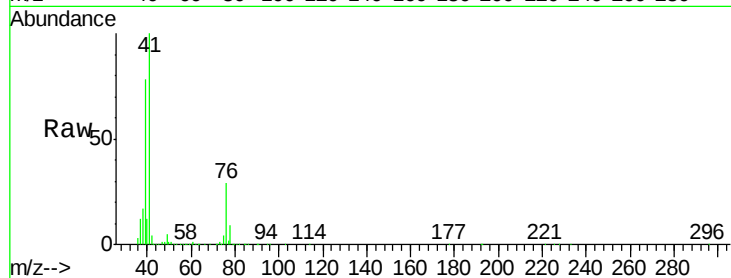




#21
Allvl Chloride
Concen: 9.736 ppbv
RT: 4.39 min Scan# 498
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

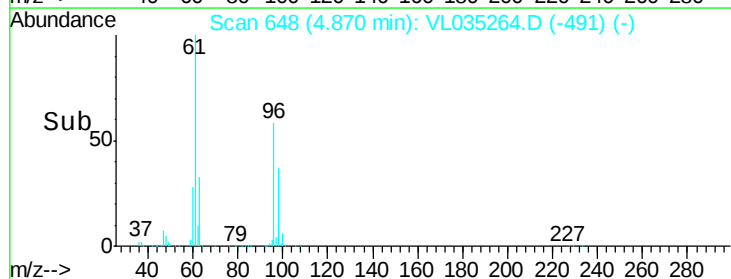
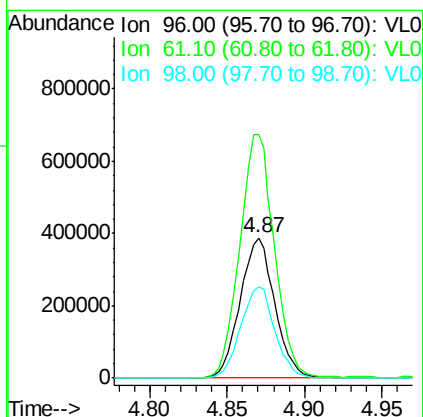
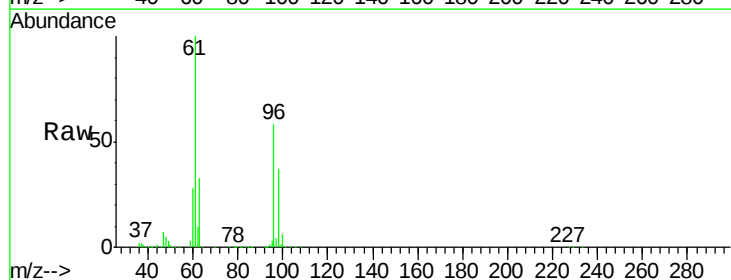
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

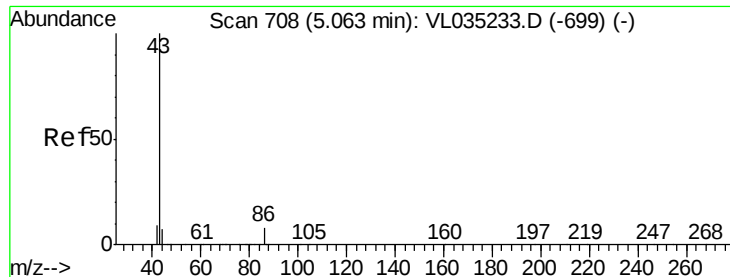
Tot Ion: 41 Resp: 985484
Ion Ratio Lower Upper
41 100
76 29.7 24.4 36.6
39 79.1 63.8 95.8



#22
trans-1,2-Dichloroethene
Concen: 9.325 ppbv
RT: 4.87 min Scan# 648
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

Tgt Ion: 96 Resp: 603959
Ion Ratio Lower Upper
96 100
61 173.5 131.6 197.4
98 65.1 49.0 73.4





#23

Vinyl Acetate

Concen: 10.236 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1827971

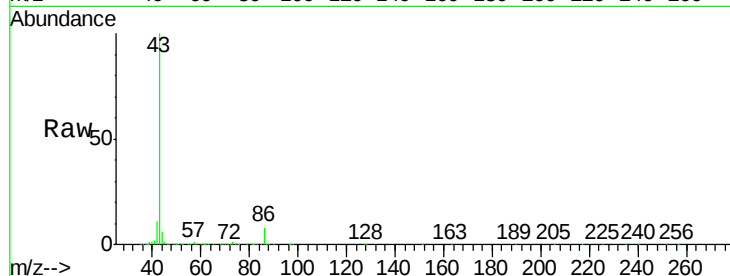
Ion Ratio Lower Upper

43 100

86 7.9 6.2 9.2

42 10.8 8.0 12.0

44 6.4 5.2 7.8

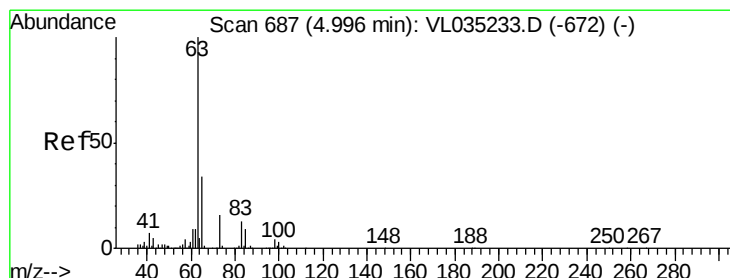
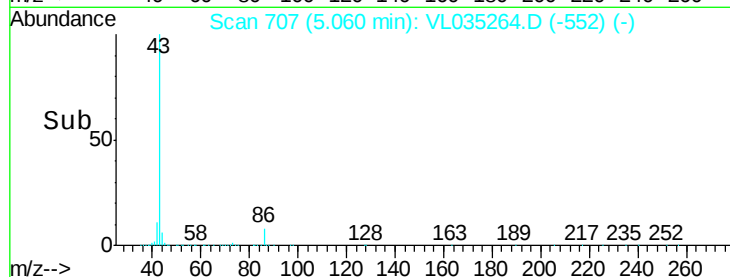
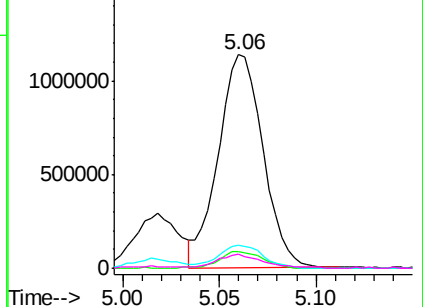


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.365 ppbv

RT: 5.00 min Scan# 687

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

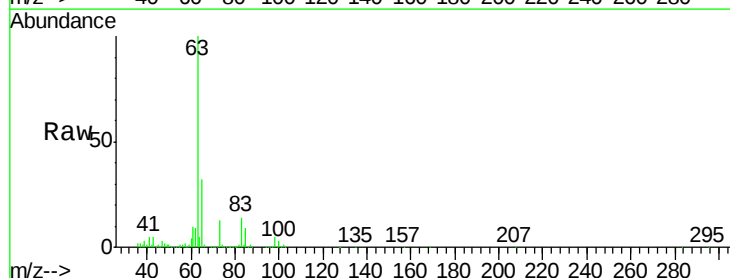
Tgt Ion: 63 Resp: 1559645

Ion Ratio Lower Upper

63 100

98 4.5 1.9 5.7

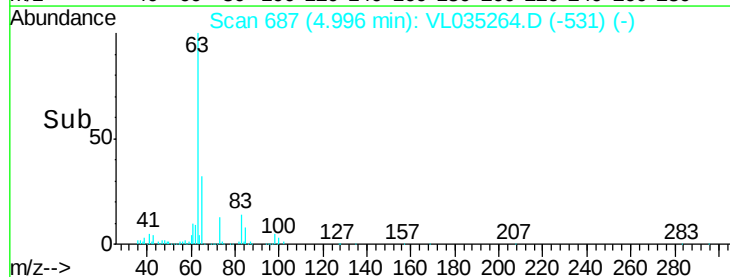
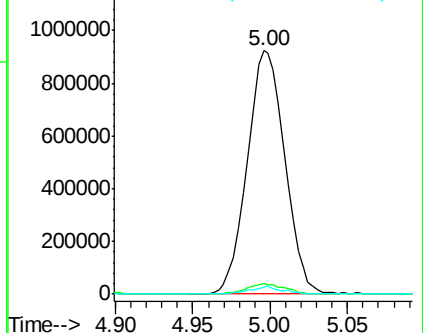
100 2.9 1.4 4.2

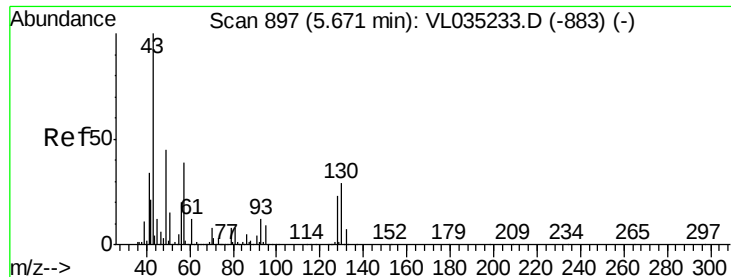


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



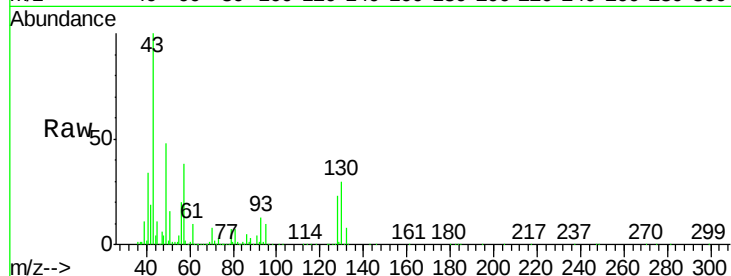


#25
Ethyl Acetate
Concen: 9.504 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2637606

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.5	12.7
61	10.2	8.1	12.1
70	8.0	6.2	9.4



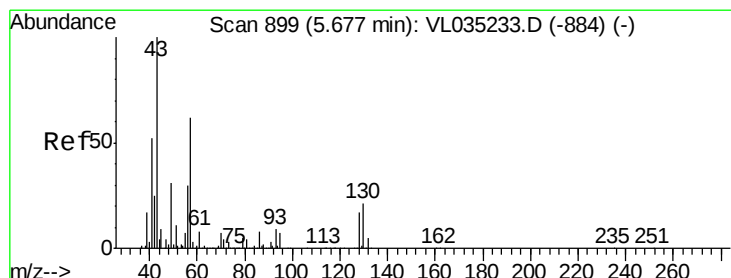
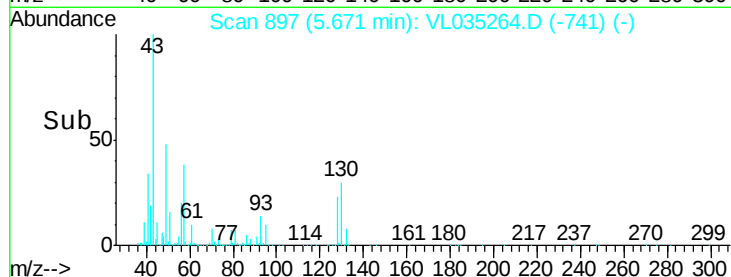
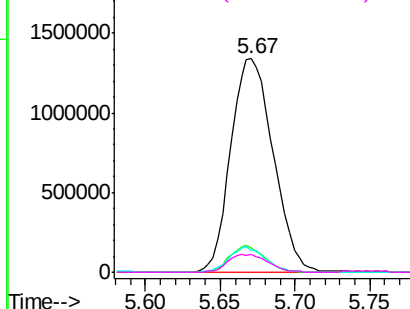
Abundance

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

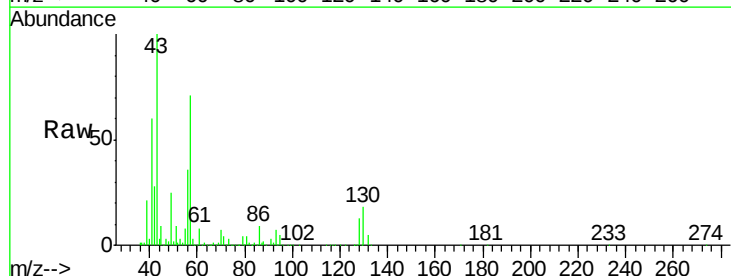
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.657 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

Tgt Ion: 57 Resp: 1209129

Ion	Ratio	Lower	Upper
57	100		
41	92.5	73.9	110.9
43	219.4	177.6	266.4
56	53.3	43.0	64.4



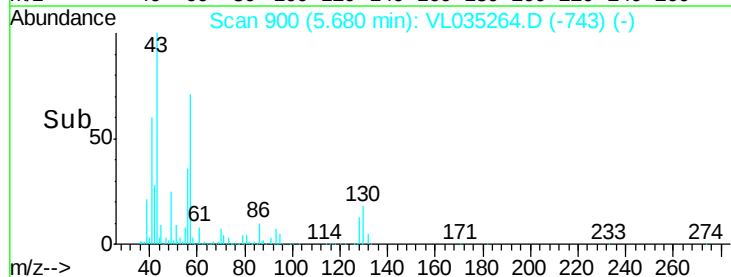
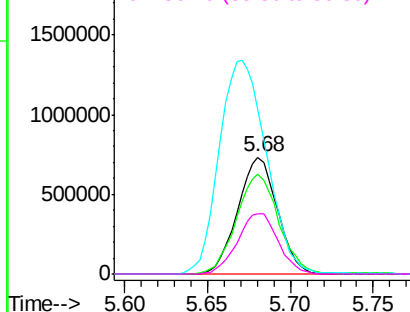
Abundance

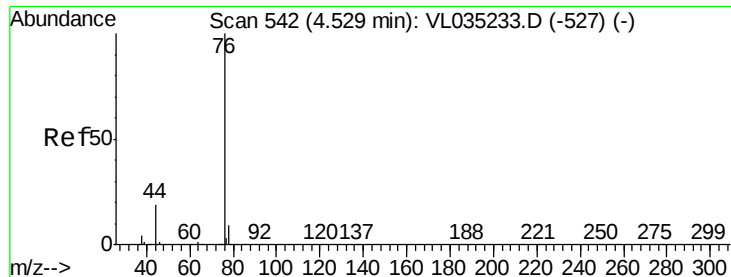
Ion 57.10 (56.80 to 57.80): VL0

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: 9.417 ppbv

RT: 4.53 min Scan# 542

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

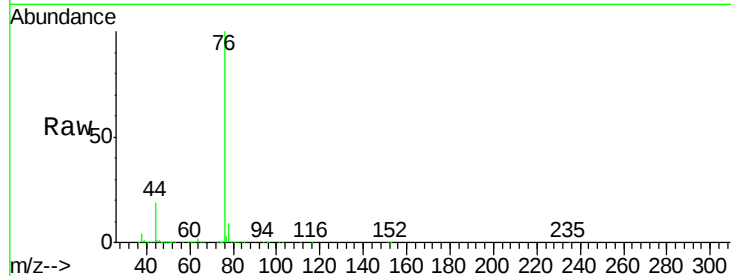
Tot Ion: 76 Resp: 1593026

Ion Ratio Lower Upper

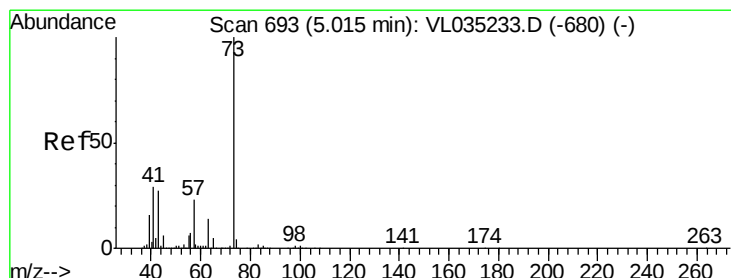
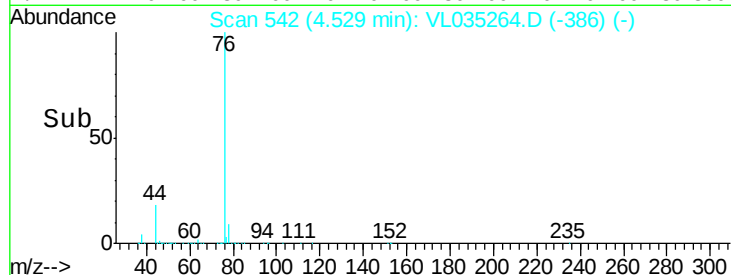
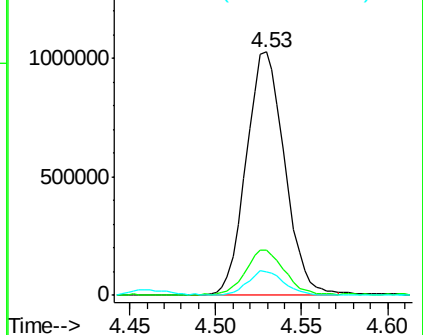
76 100

44 18.7 14.7 22.1

78 9.7 7.6 11.4



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: 10.198 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL035264.D

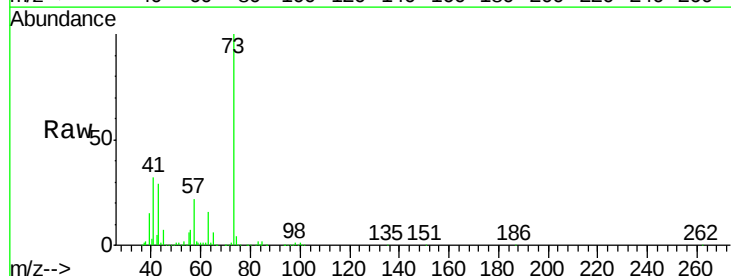
Acq: 30 Jul 2020 2:47

Tgt Ion: 73 Resp: 1825242

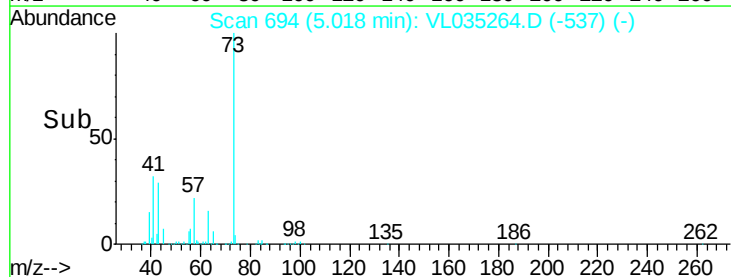
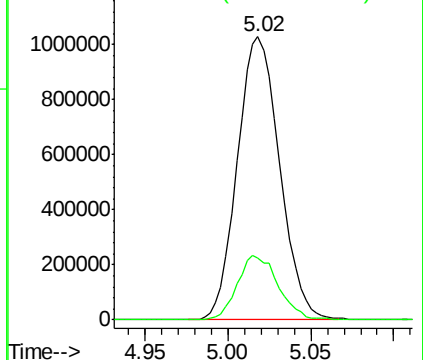
Ion Ratio Lower Upper

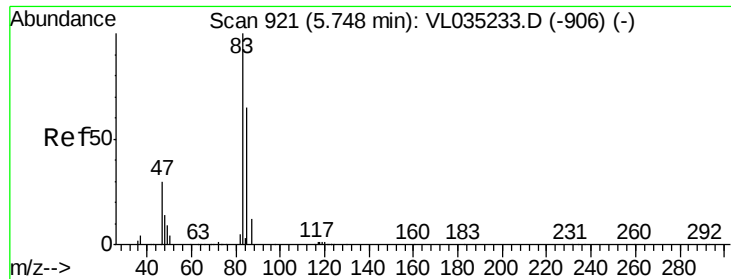
73 100

57 22.1 18.2 27.4



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





#29

Chloroform

Concen: 9.212 ppbv

RT: 5.75 min Scan# 922

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

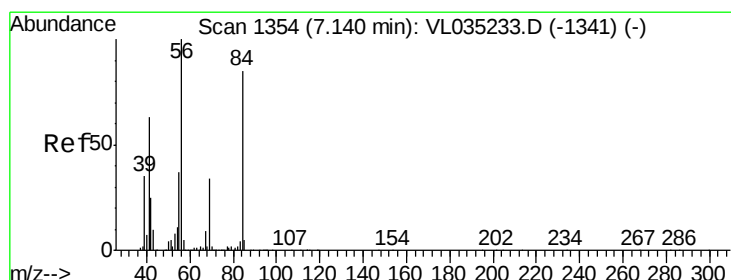
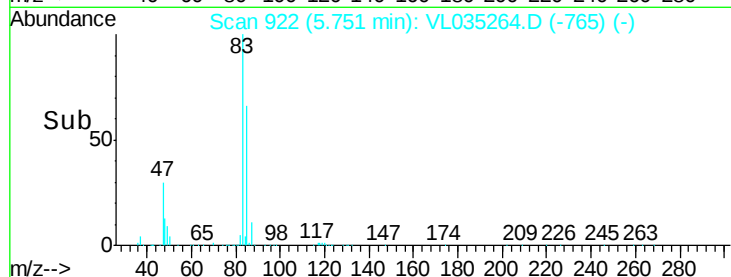
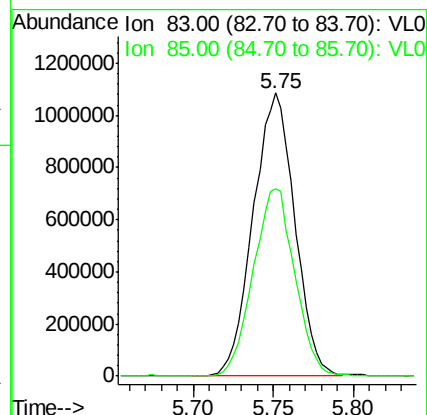
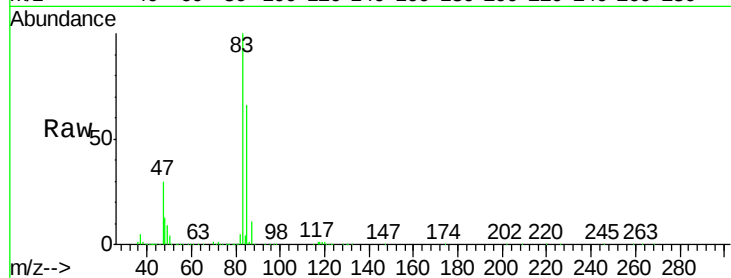
VSTDCCC010

Tot Ion: 83 Resp: 1934453

Ion Ratio Lower Upper

83 100

85 66.3 51.7 77.5



#30

Cyclohexane

Concen: 11.145 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

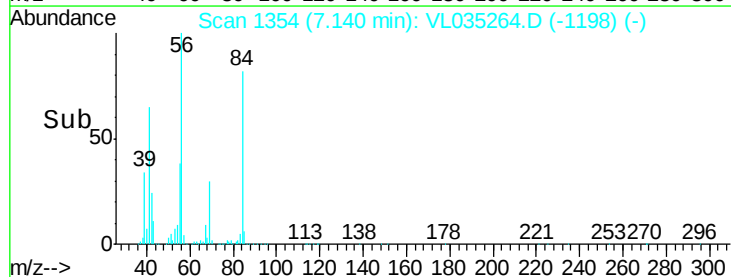
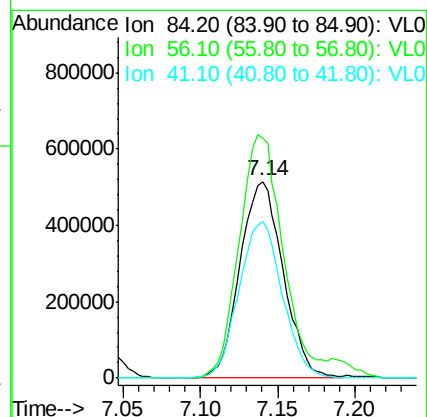
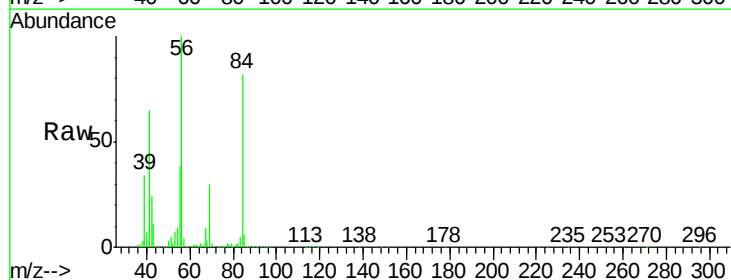
Tgt Ion: 84 Resp: 997387

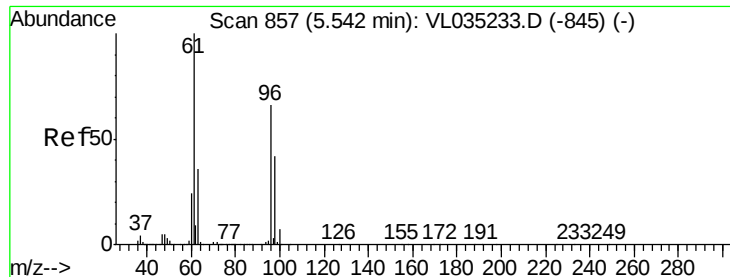
Ion Ratio Lower Upper

84 100

56 132.1 104.2 156.2

41 80.7 63.7 95.5



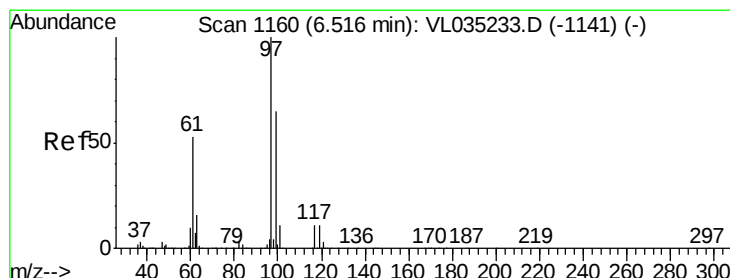
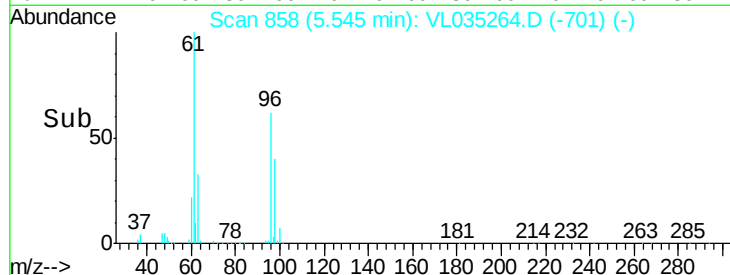
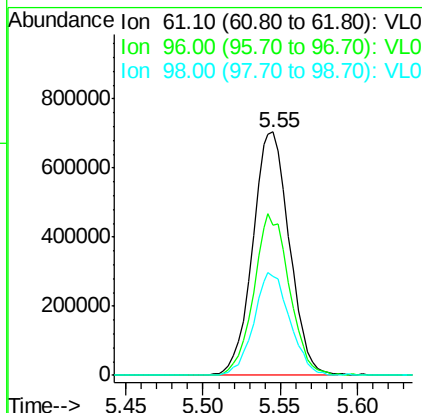
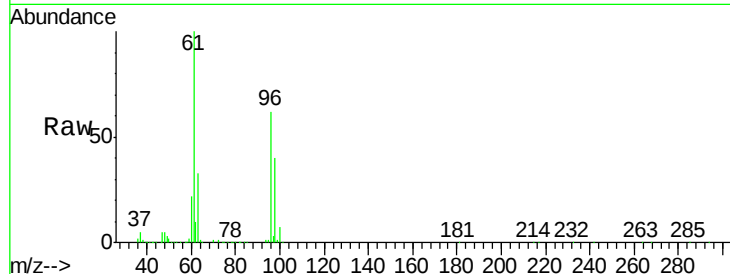


#31

cis-1,2-Dichloroethene
 Concen: 10.644 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

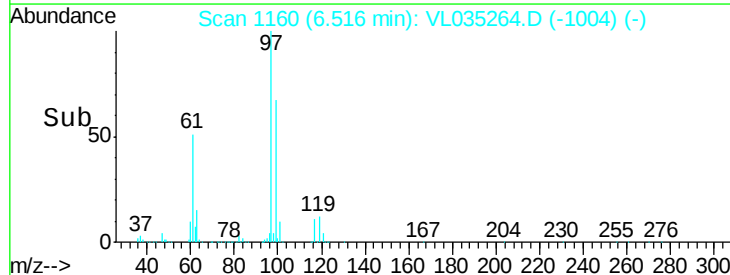
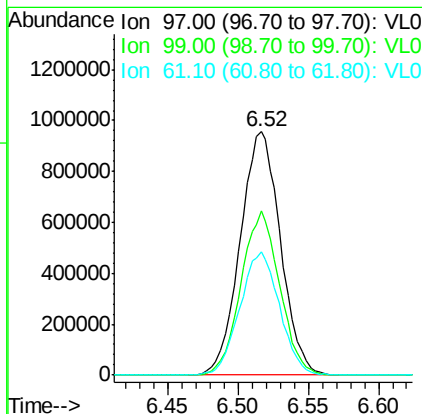
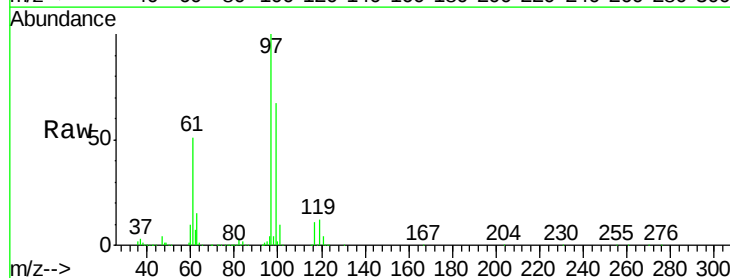
Tot Ion: 61 Resp: 1161736
 Ion Ratio Lower Upper
 61 100
 96 61.6 52.6 78.8
 98 40.4 33.7 50.5

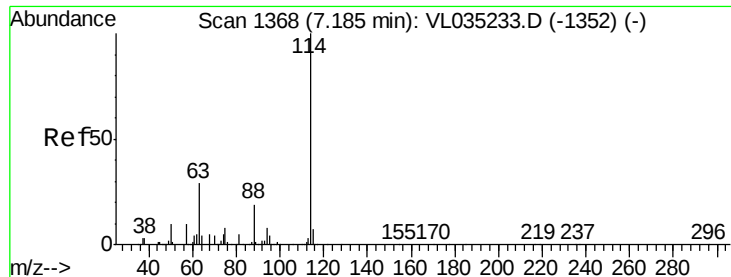


#32

1,1,1-Trichloroethane
 Concen: 8.889 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

Tgt Ion: 97 Resp: 1910528
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.4 77.0
 61 50.2 40.4 60.6

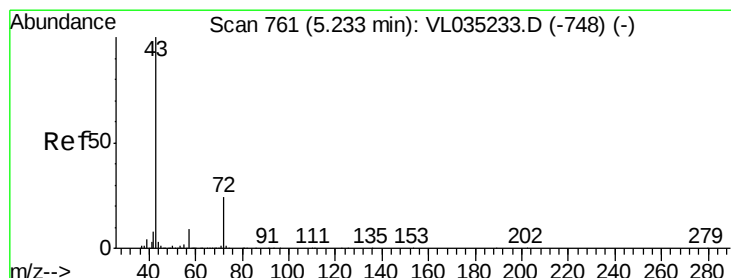
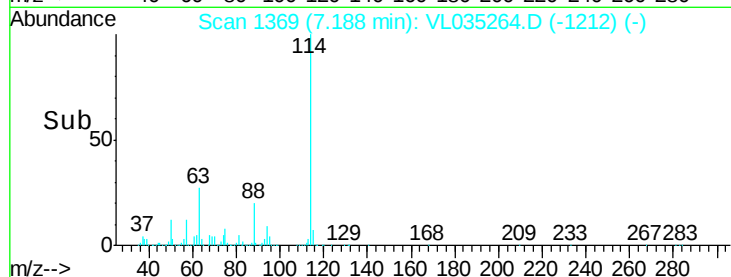
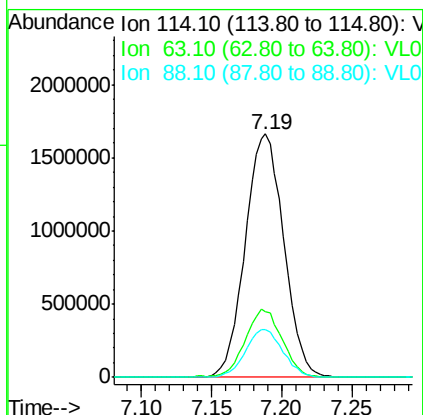
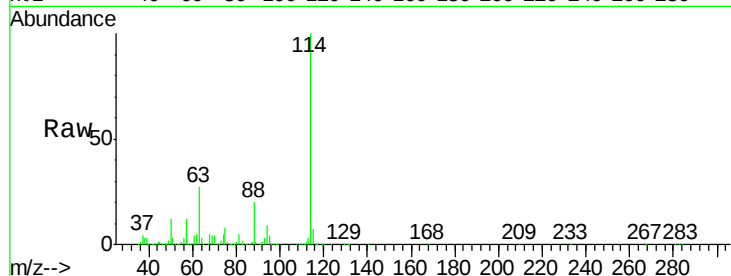




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

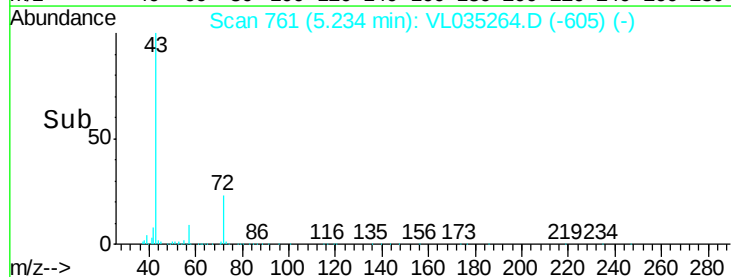
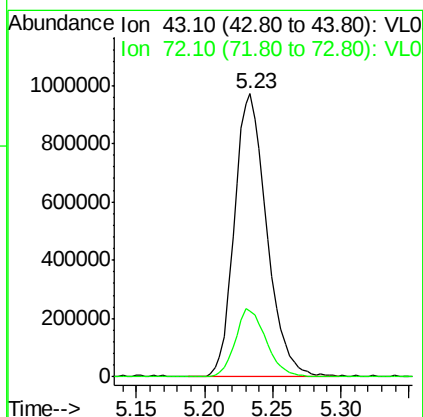
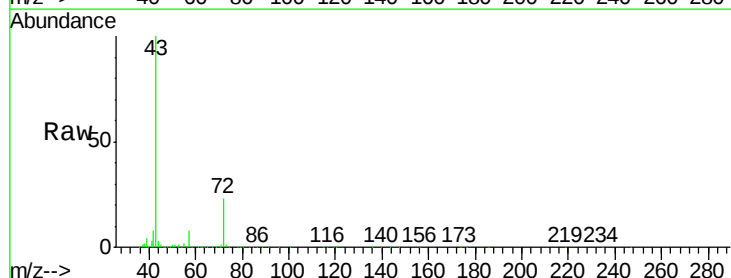
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

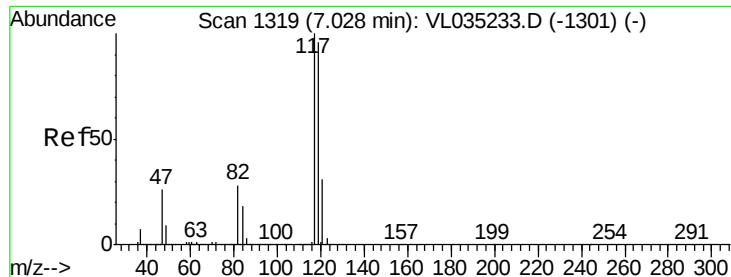
Tot Ion:114 Resp: 3185460
 Ion Ratio Lower Upper
 114 100
 63 27.3 22.2 33.2
 88 19.1 15.4 23.0



#34
 2-Butanone
 Concen: 9.811 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

Tgt Ion: 43 Resp: 1590178
 Ion Ratio Lower Upper
 43 100
 72 23.2 19.2 28.8





#35

Carbon Tetrachloride

Concen: 9.342 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

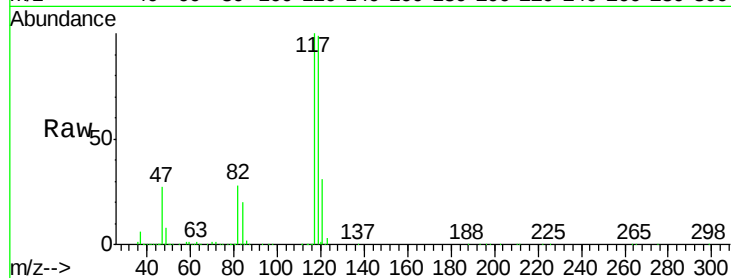
Tot Ion:117 Resp: 1992487

Ion Ratio Lower Upper

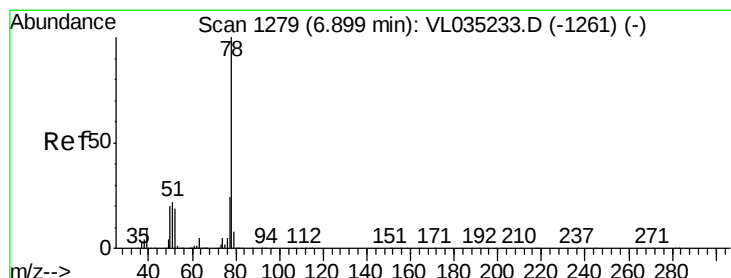
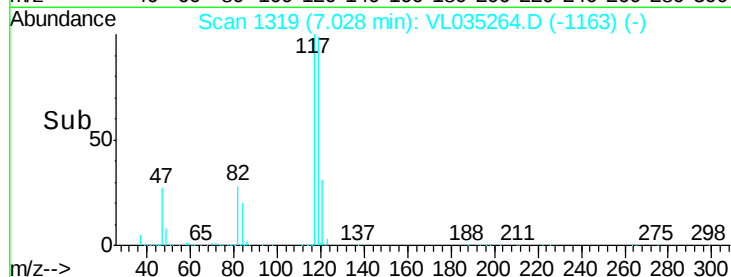
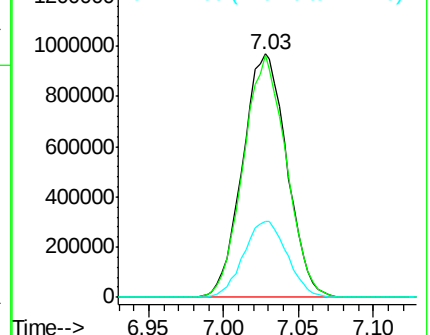
117 100

119 99.2 76.8 115.2

121 31.3 24.5 36.7



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: 10.492 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

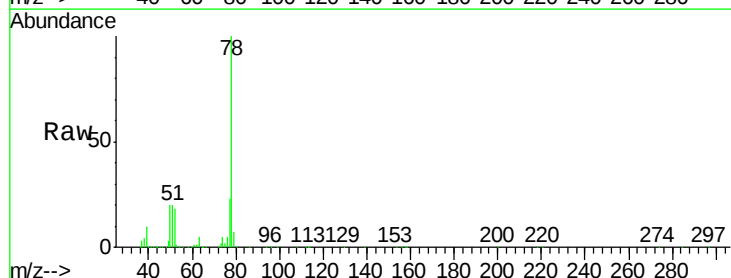
Tgt Ion: 78 Resp: 2322722

Ion Ratio Lower Upper

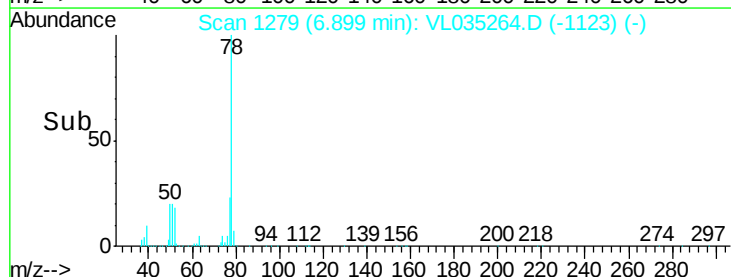
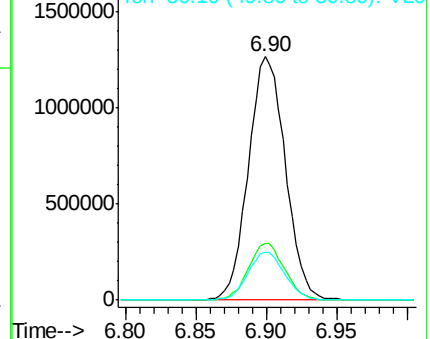
78 100

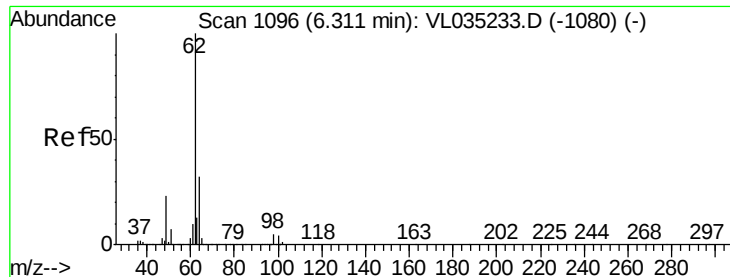
77 23.4 18.9 28.3

50 19.6 16.1 24.1



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

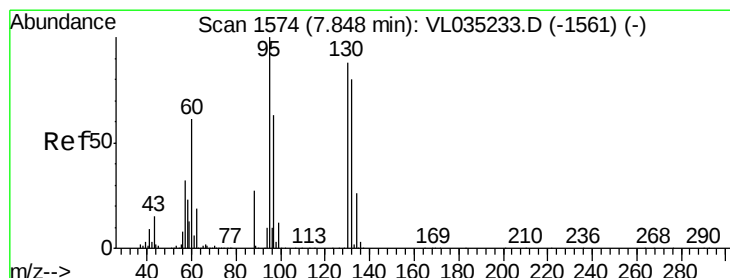
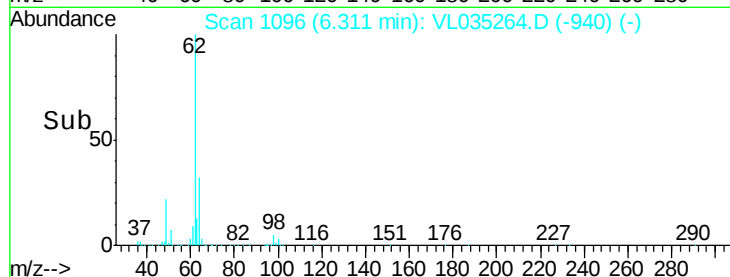
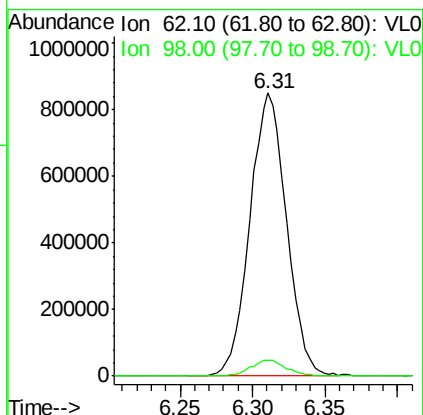
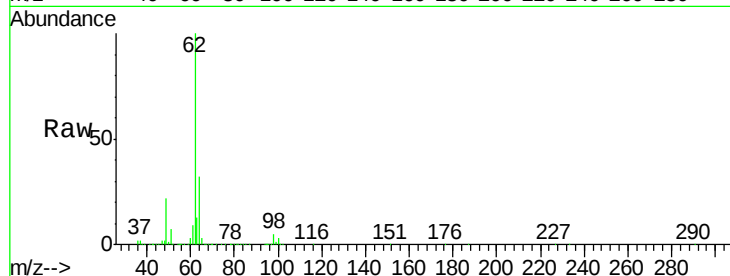




#37
 1,2-Dichloroethane
 Concen: 9.668 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

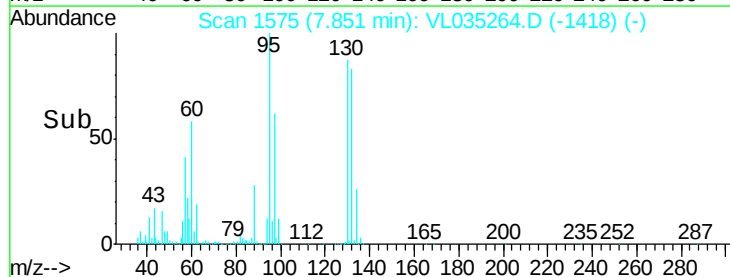
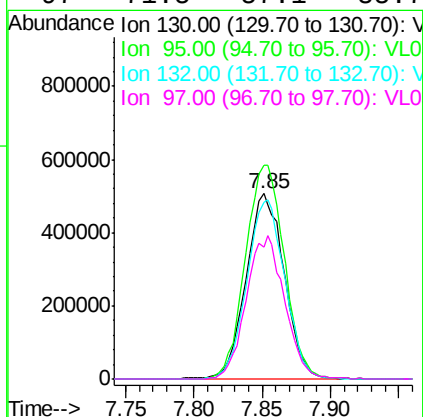
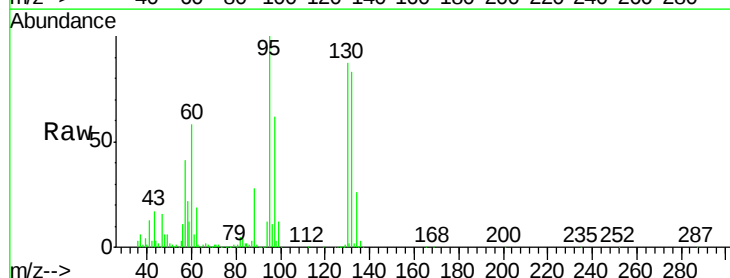
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

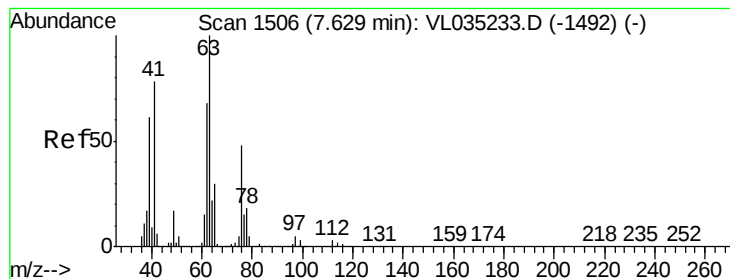
Tot Ion: 62 Resp: 1496134
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#38
 Trichloroethene
 Concen: 10.634 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

Tgt Ion: 130 Resp: 975706
 Ion Ratio Lower Upper
 130 100
 95 115.4 90.7 136.1
 132 95.9 72.9 109.3
 97 71.5 57.1 85.7





#39

1,2-Dichloropropane

Concen: 10.396 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

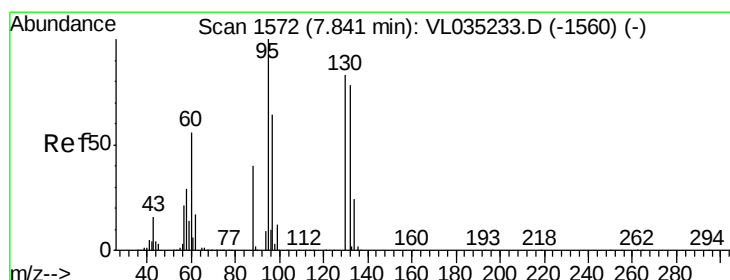
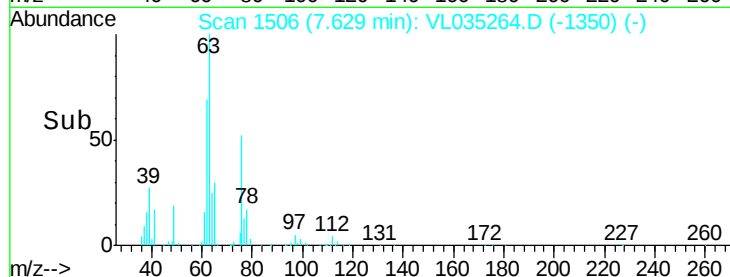
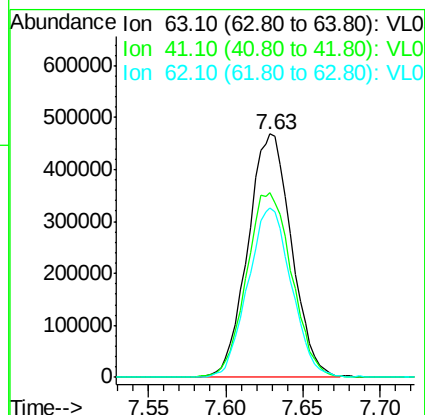
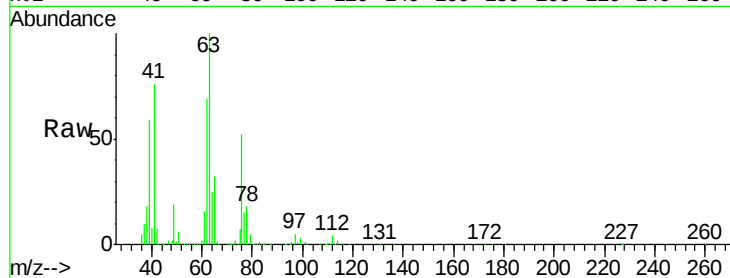
Tot Ion: 63 Resp: 918243

Ion Ratio Lower Upper

63 100

41 75.6 62.2 93.4

62 69.3 54.2 81.2



#40

1,4-Dioxane

Concen: 10.964 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Tgt Ion: 88 Resp: 381357

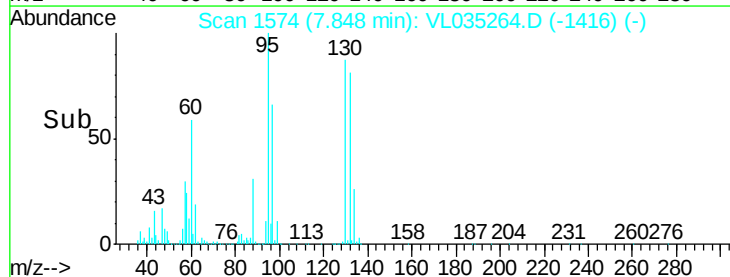
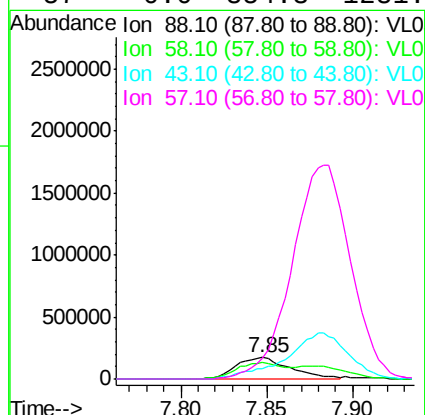
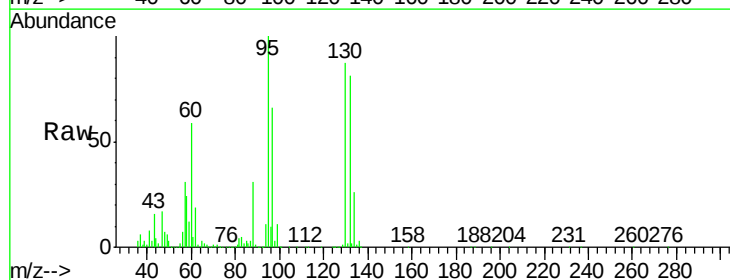
Ion Ratio Lower Upper

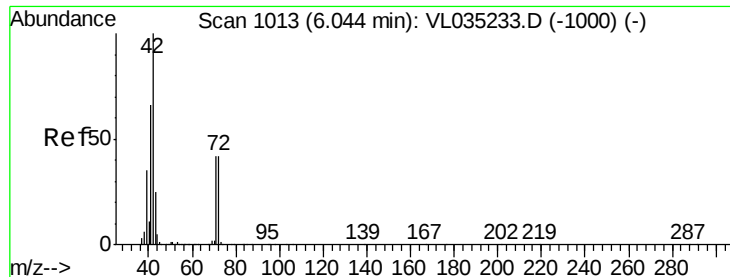
88 100

58 124.1 99.3 148.9

43 0.0 195.6 293.4#

57 0.0 854.3 1281.5#





#41

Tetrahydrofuran

Concen: 10.924 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

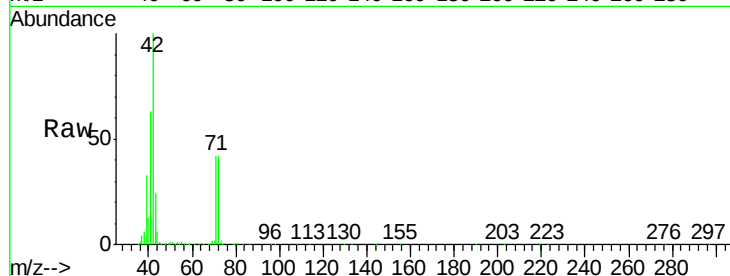
Tot Ion: 42 Resp: 867812

Ion Ratio Lower Upper

42 100

72 42.1 34.2 51.2

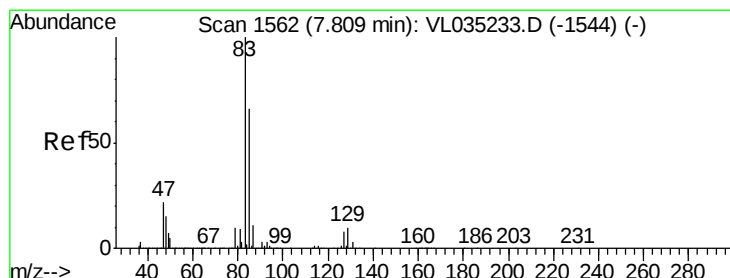
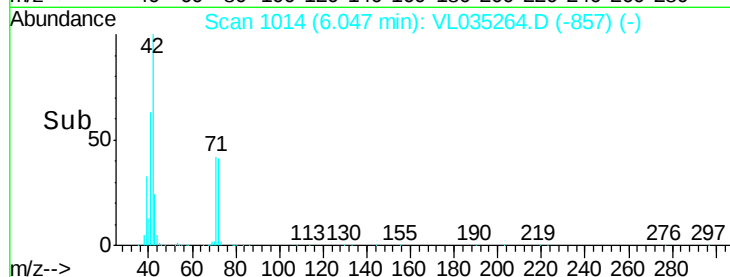
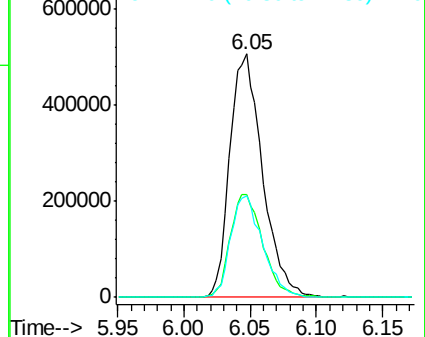
71 41.2 33.2 49.8



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: 10.048 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

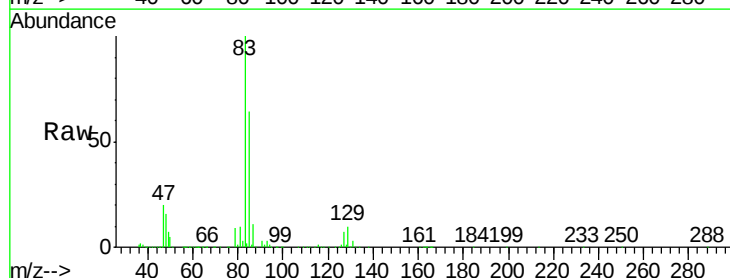
Tgt Ion: 83 Resp: 2075483

Ion Ratio Lower Upper

83 100

85 63.6 52.9 79.3

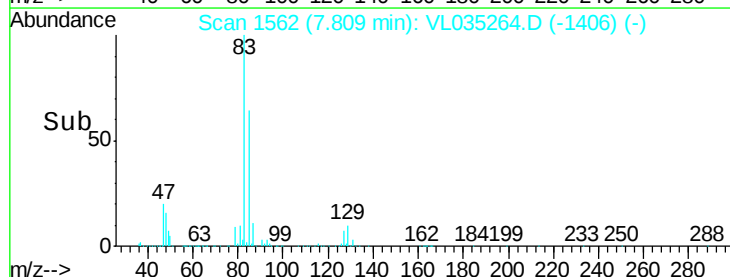
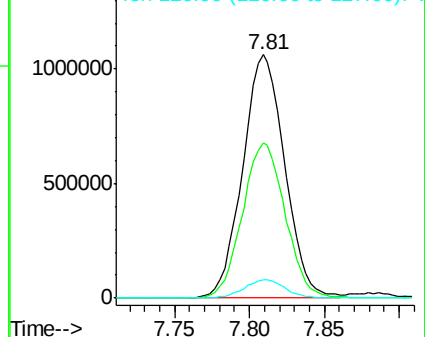
127 7.5 6.5 9.7

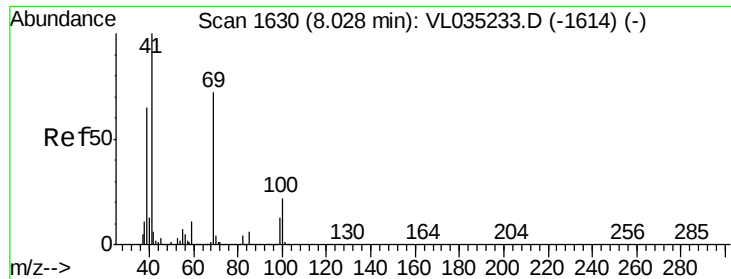


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

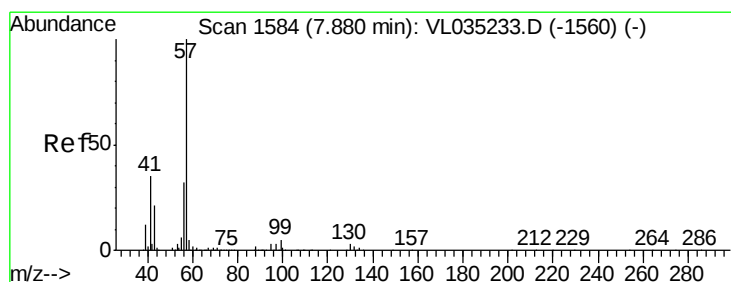
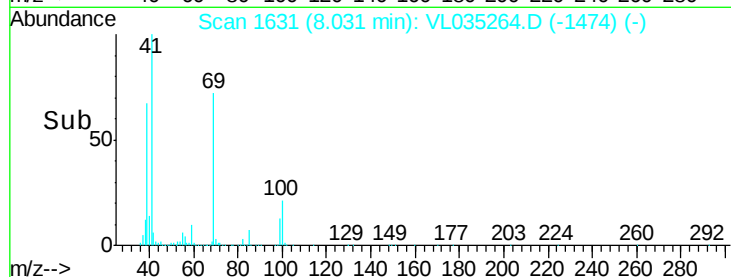
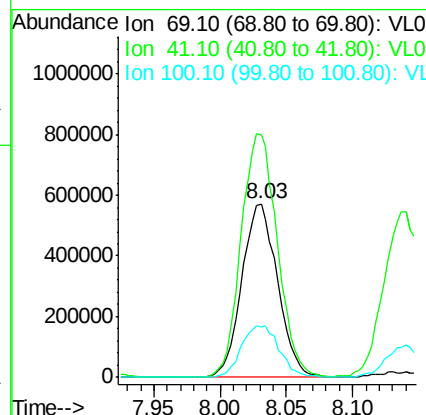
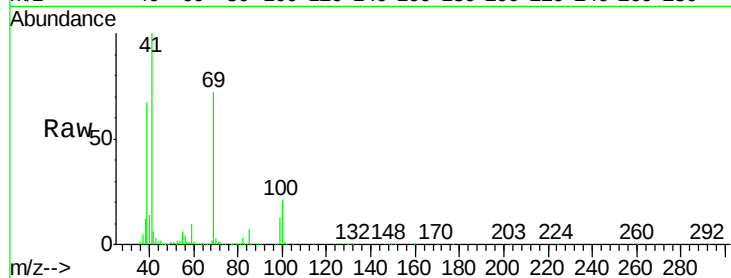




#43
Methvl Methacrylate
Concen: 11.159 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

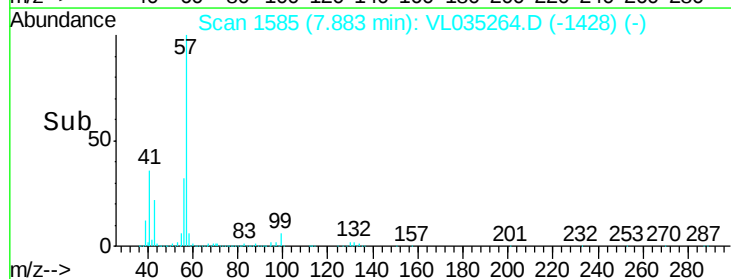
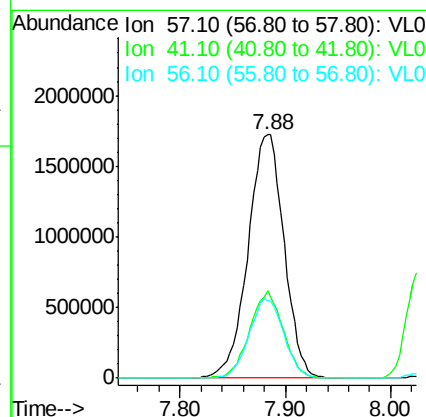
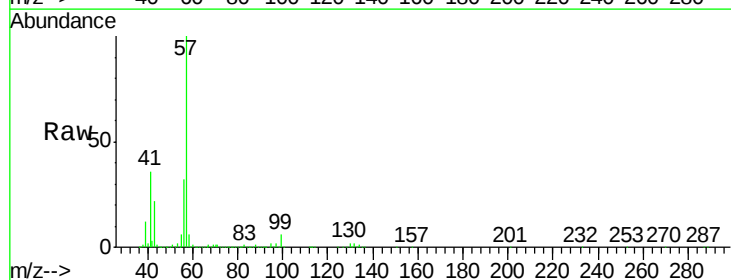
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

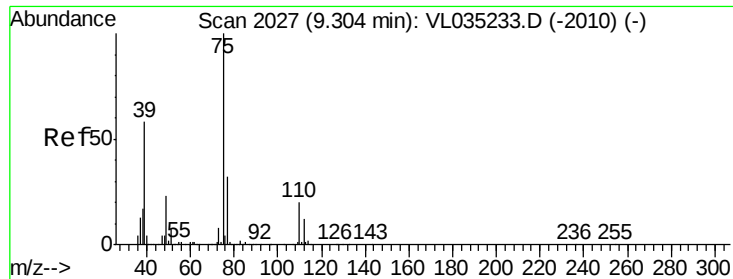
Tot Ion: 69 Resp: 1070361
Ion Ratio Lower Upper
69 100
41 141.8 113.0 169.4
100 31.3 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 10.490 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

Tgt Ion: 57 Resp: 4091668
Ion Ratio Lower Upper
57 100
41 33.4 27.0 40.4
56 31.5 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 12.092 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

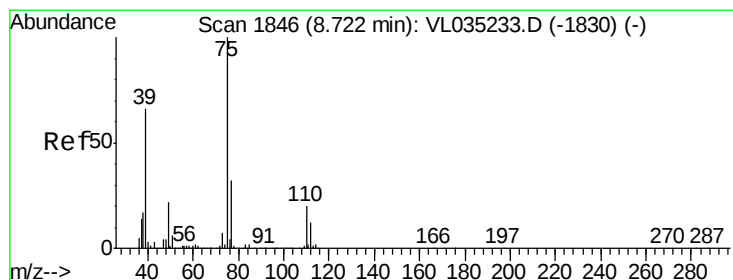
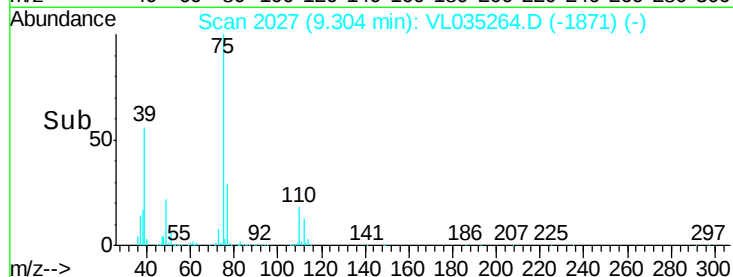
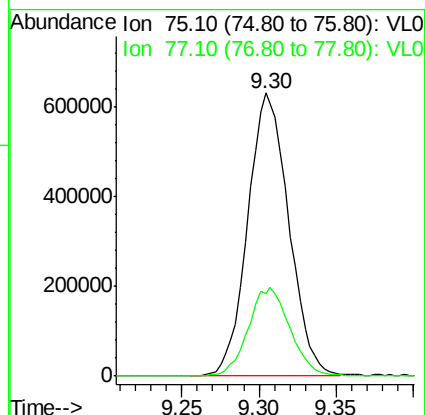
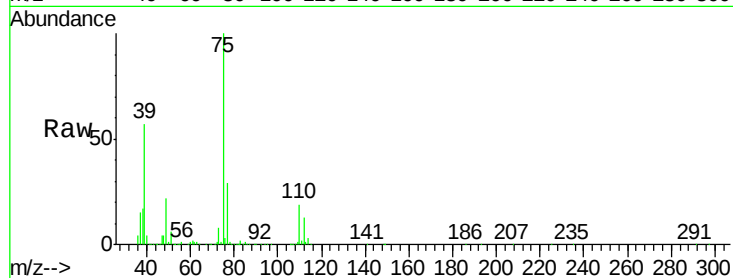
VSTDCCC010

Tot Ion: 75 Resp: 1168648

Ion Ratio Lower Upper

75 100

77 29.2 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 11.823 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

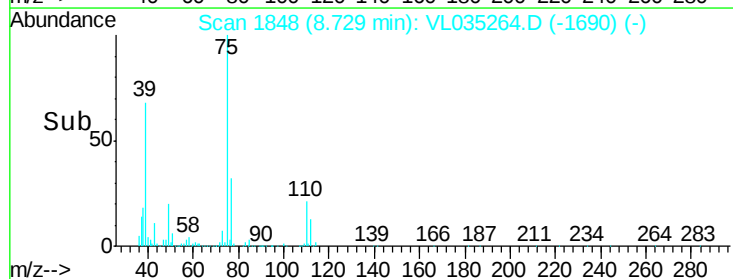
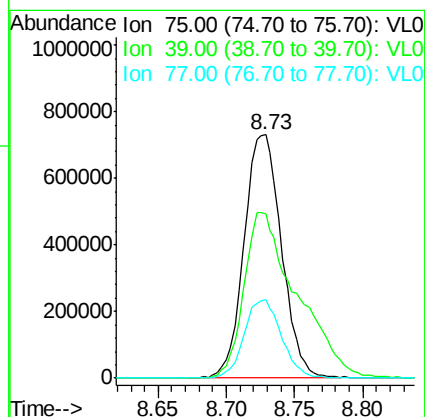
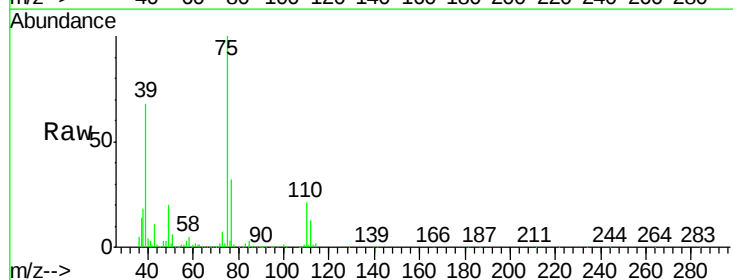
Tgt Ion: 75 Resp: 1392102

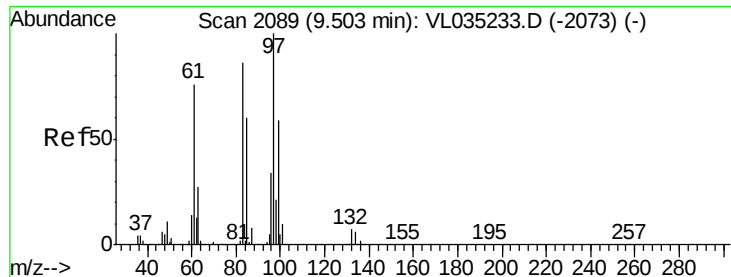
Ion Ratio Lower Upper

75 100

39 67.6 53.0 79.4

77 32.1 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.803 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 1022814

Ion	Ratio	Lower	Upper
97	100		
83	89.9	69.0	103.4
85	56.7	47.8	71.8
99	63.9	47.6	71.4

97 100

83 89.9 69.0 103.4

85 56.7 47.8 71.8

99 63.9 47.6 71.4

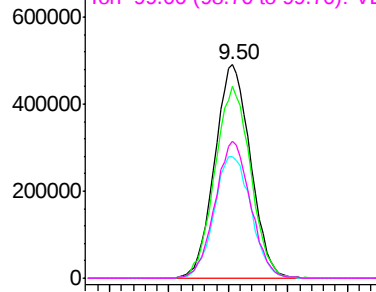
Abundance

Ion 97.00 (96.70 to 97.70): VL0

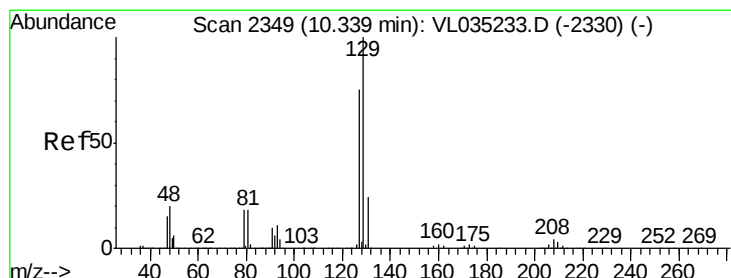
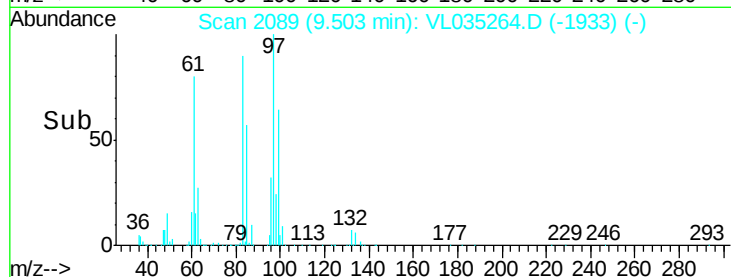
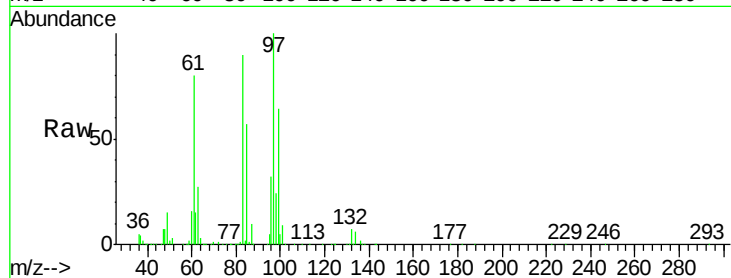
Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



Time-->



#48

Dibromochloromethane

Concen: 10.567 ppbv

RT: 10.34 min Scan# 2348

Delta R.T. -0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Tgt Ion: 129 Resp: 1736363

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.6	119.0

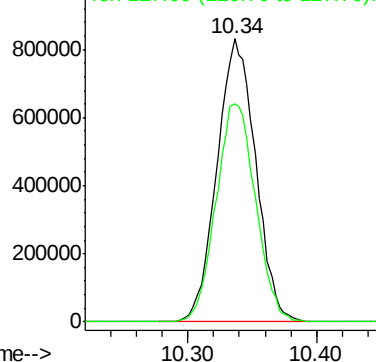
129 100

127 79.1 39.6 119.0

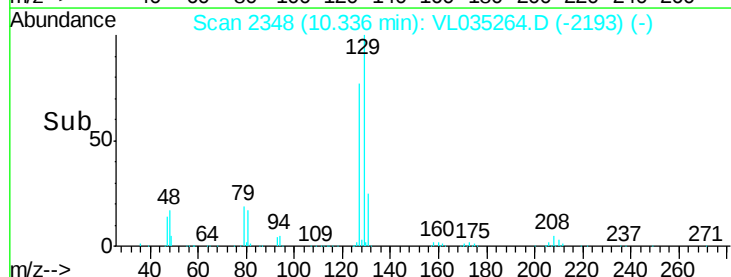
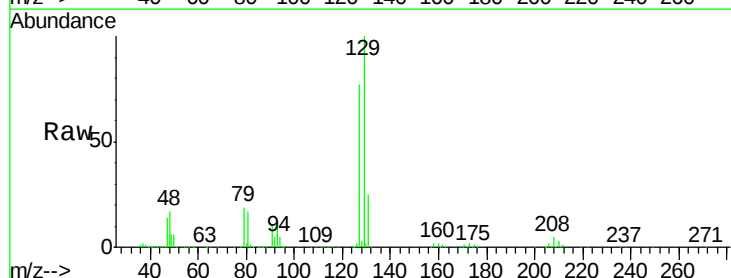
Abundance

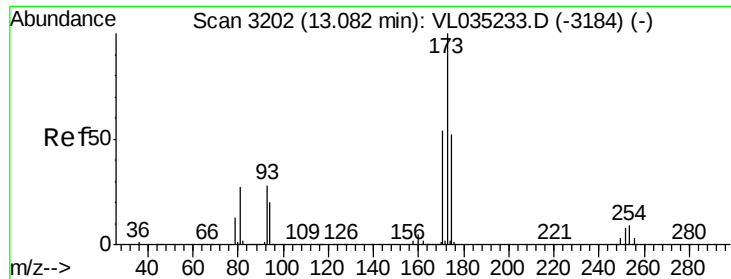
Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->





#49

Bromoform

Concen: 10.636 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

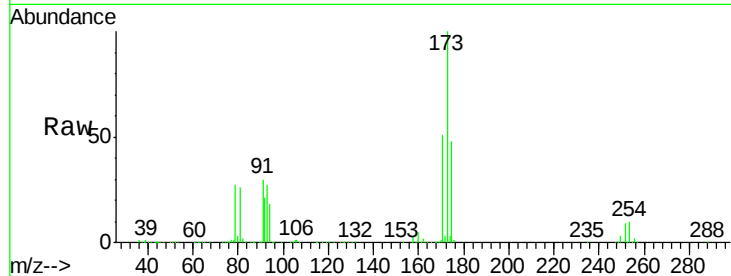
Tot Ion:173 Resp: 1571228

Ion Ratio Lower Upper

173 100

175 49.3 40.0 60.0

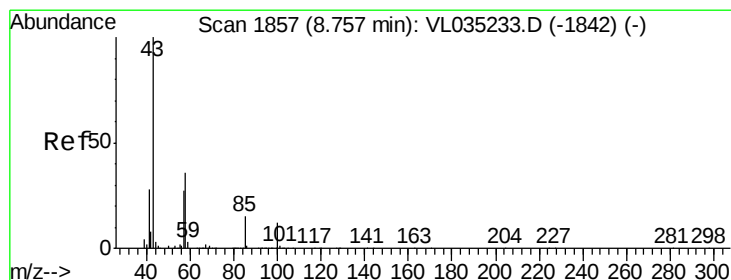
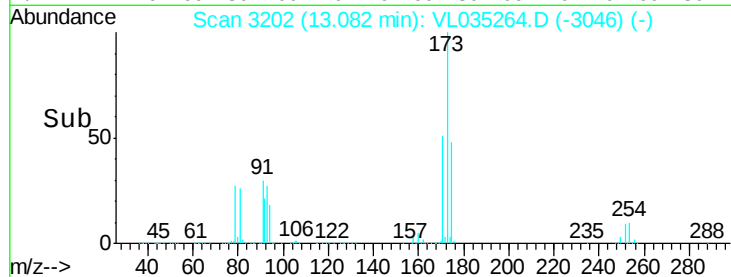
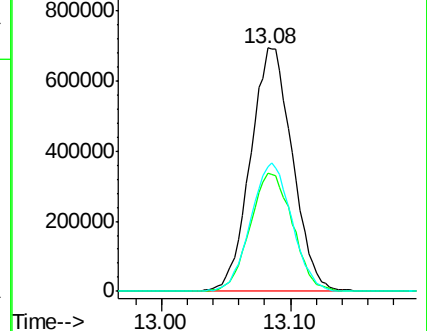
171 51.8 41.8 62.8



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: 10.724 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VL035264.D

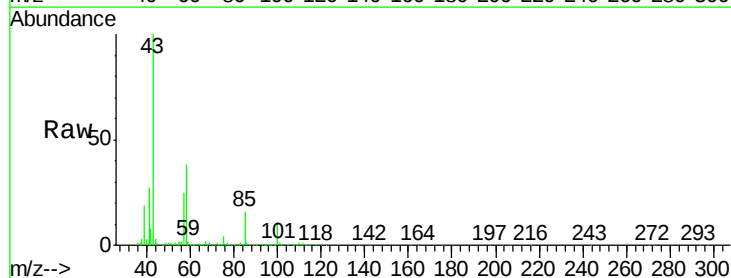
Acq: 30 Jul 2020 2:47

Tgt Ion: 43 Resp: 2518907

Ion Ratio Lower Upper

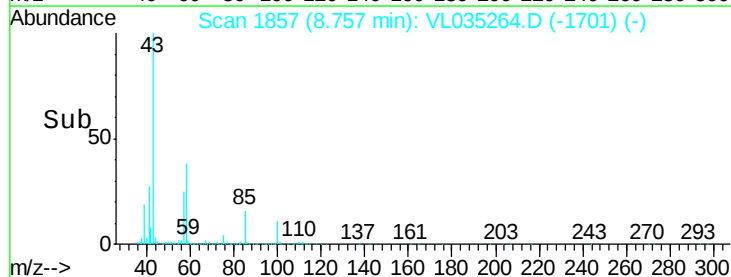
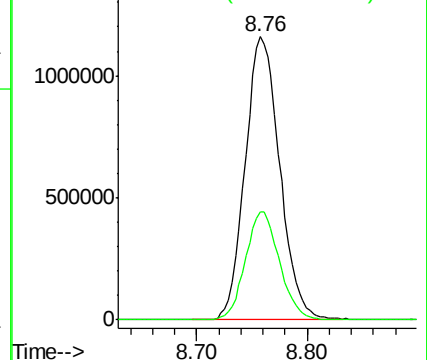
43 100

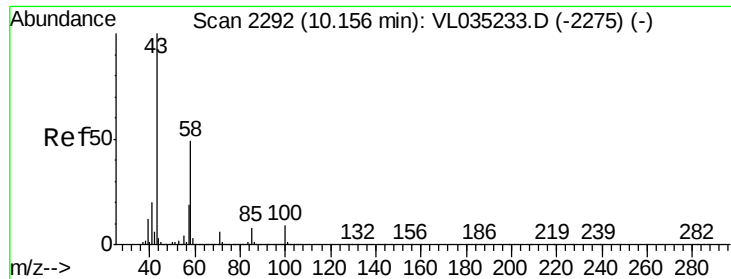
58 37.5 30.0 45.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.483 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

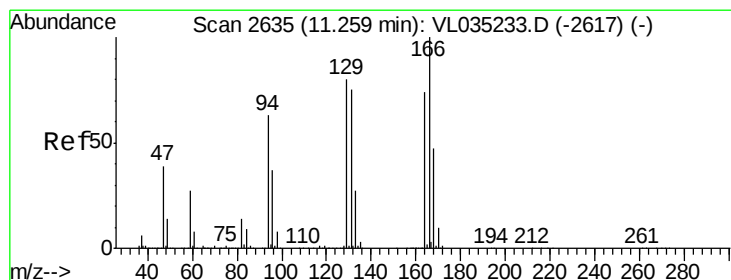
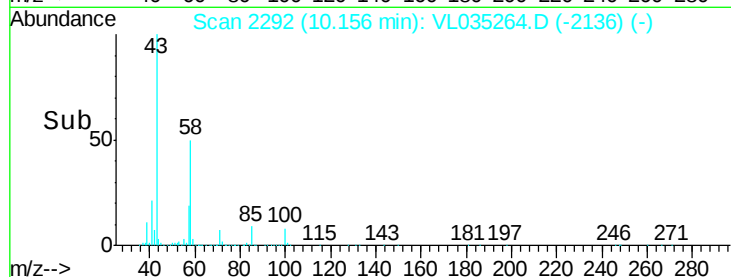
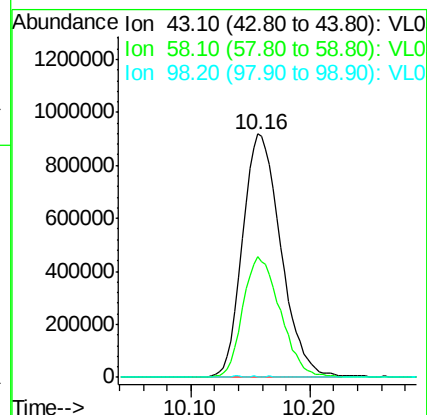
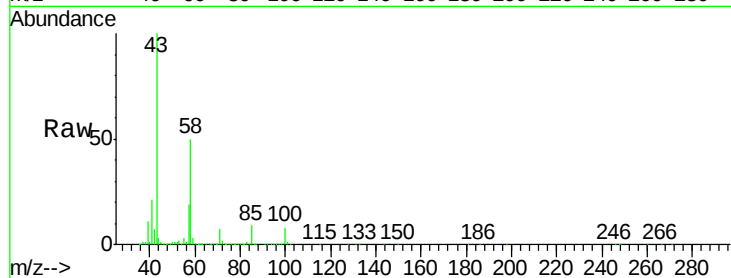
Tot Ion: 43 Resp: 2045440

Ion Ratio Lower Upper

43 100

58 48.6 38.8 58.2

98 0.3 0.6 0.8#



#52

Tetrachloroethene

Concen: 10.328 ppbv

RT: 11.26 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Tgt Ion: 164 Resp: 872354

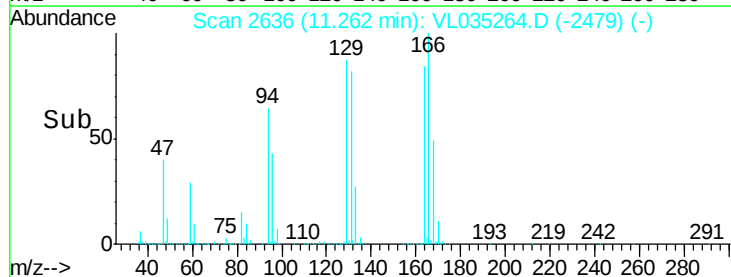
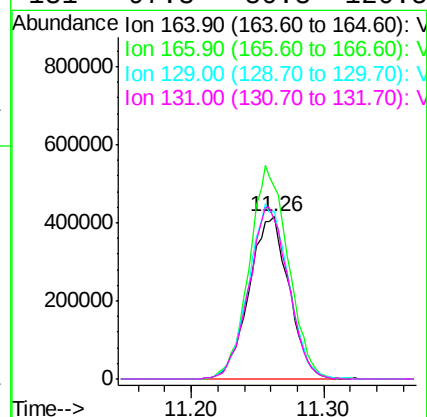
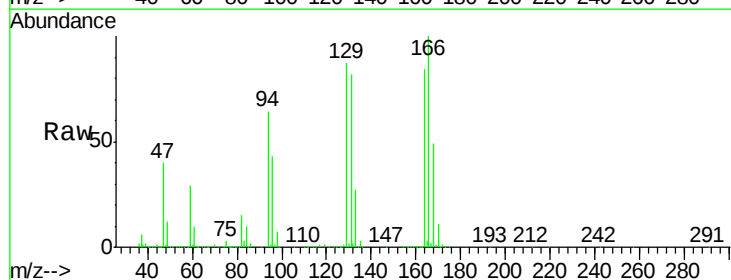
Ion Ratio Lower Upper

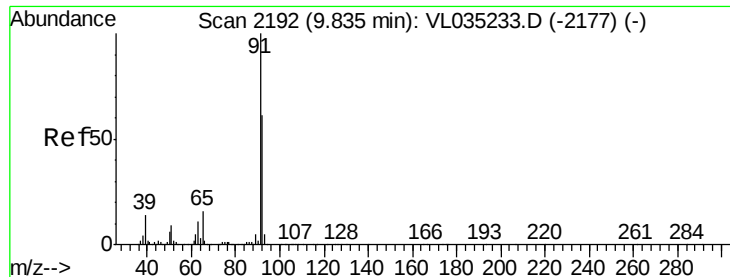
164 100

166 118.4 107.5 161.3

129 103.2 86.0 129.0

131 97.3 80.3 120.5





#53

Toluene

Concen: 11.780 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

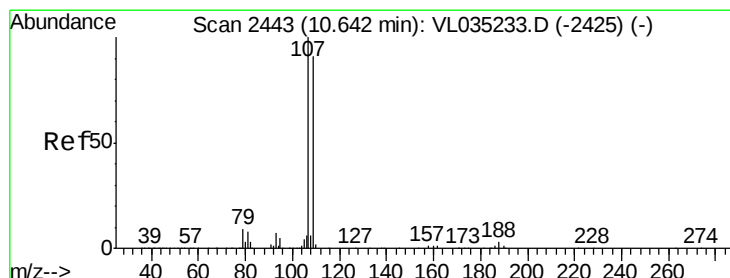
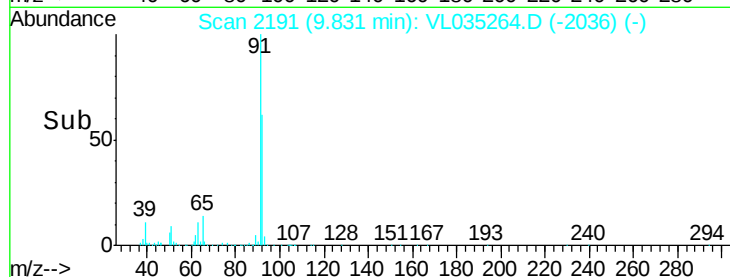
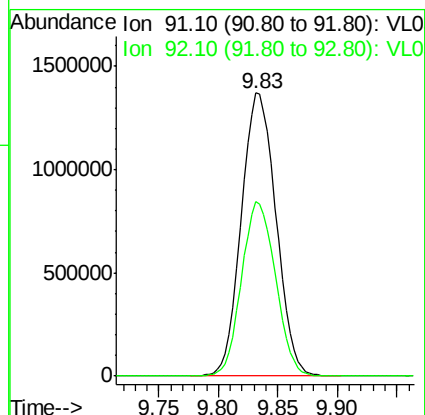
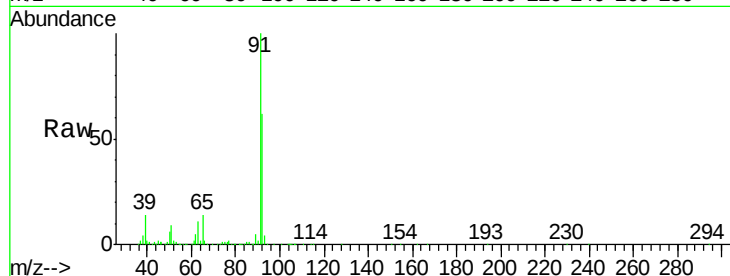
VSTDCCC010

Tot Ion: 91 Resp: 2771664

Ion Ratio Lower Upper

91 100

92 60.3 48.5 72.7



#54

1,2-Dibromoethane

Concen: 10.272 ppbv

RT: 10.64 min Scan# 2444

Delta R.T. 0.00 min

Lab File: VL035264.D

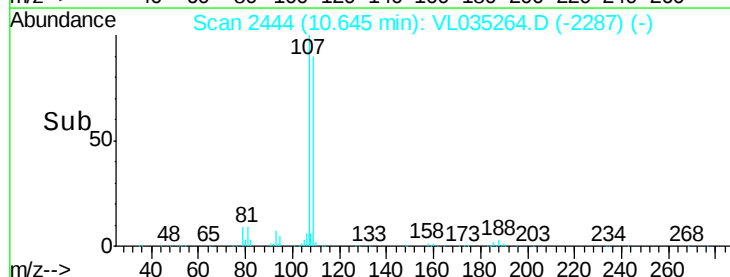
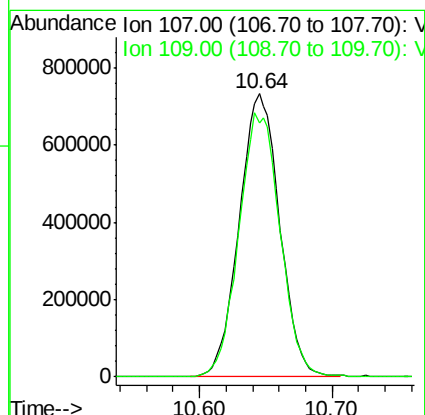
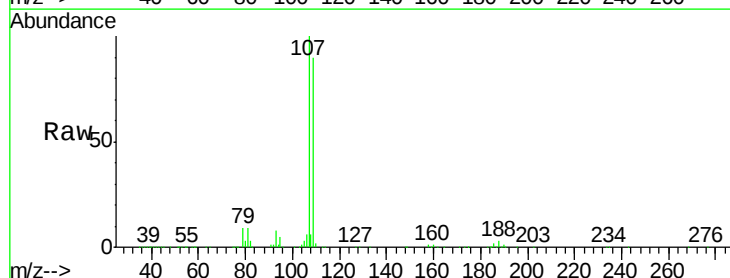
Acq: 30 Jul 2020 2:47

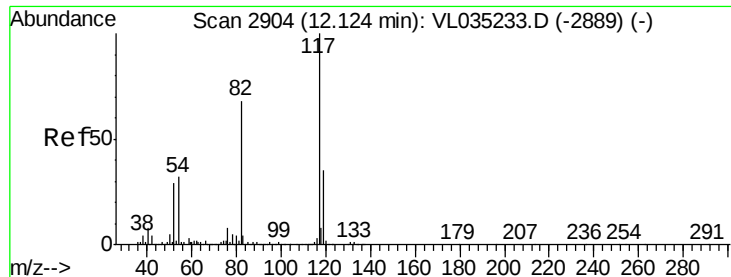
Tgt Ion: 107 Resp: 1549724

Ion Ratio Lower Upper

107 100

109 89.6 73.0 109.6

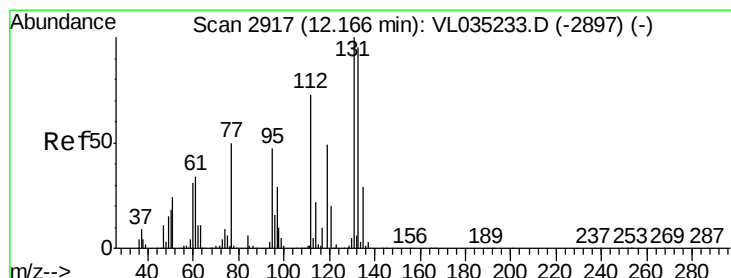
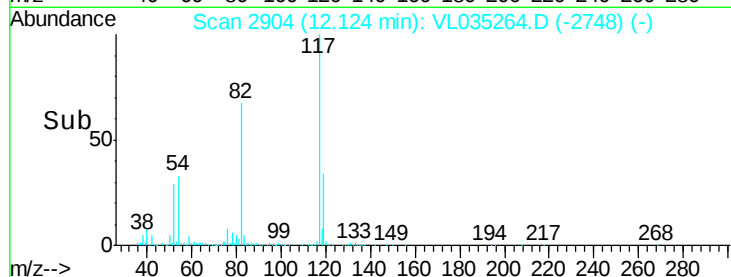
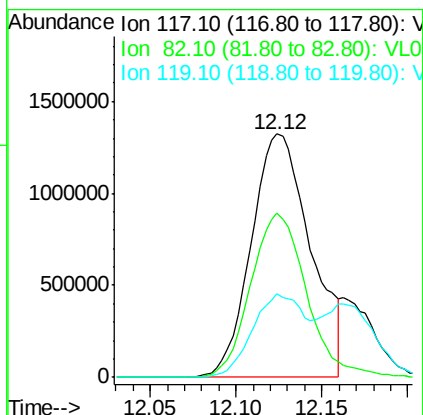
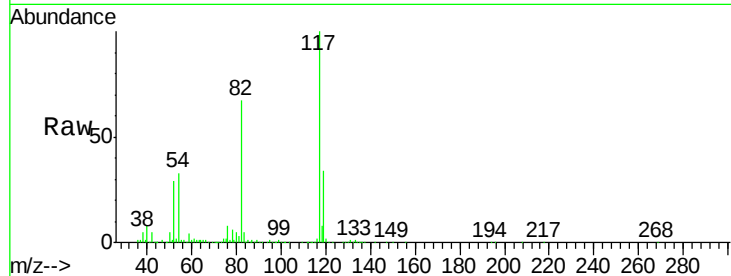




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

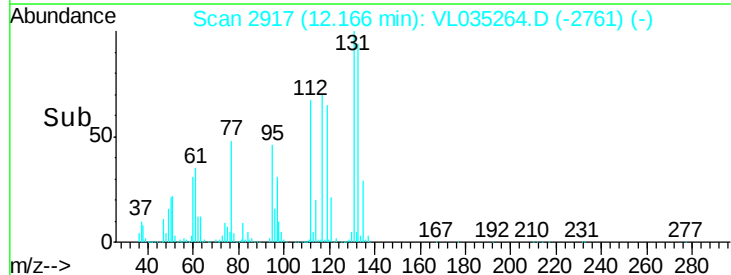
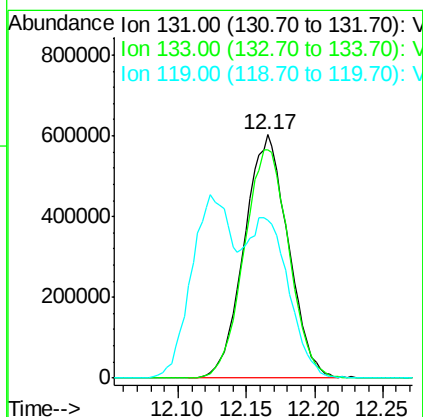
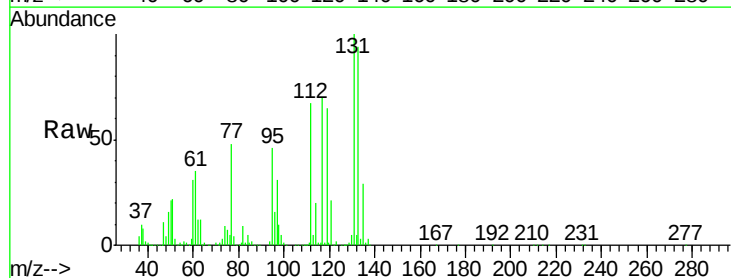
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

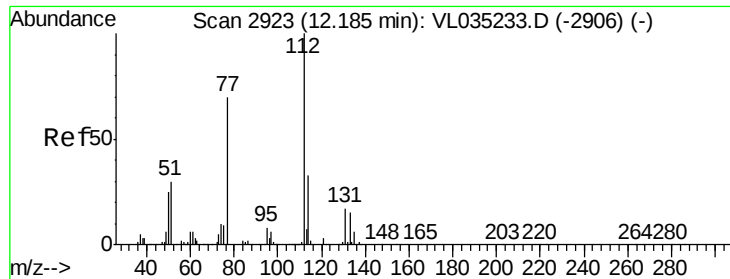
Tot Ion:117 Resp: 3181474
Ion Ratio Lower Upper
117 100
82 63.5 52.4 78.6
119 27.7 24.6 36.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.208 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

Tgt Ion:131 Resp: 1346917
Ion Ratio Lower Upper
131 100
133 96.1 76.1 114.1
119 61.4 44.3 66.5





#57

Chlorobenzene

Concen: 9.332 ppbv

RT: 12.19 min Scan# 2923

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

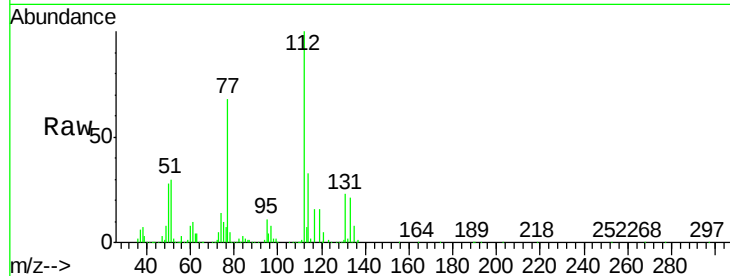
Tot Ion:112 Resp: 2233810

Ion Ratio Lower Upper

112 100

77 68.0 57.3 85.9

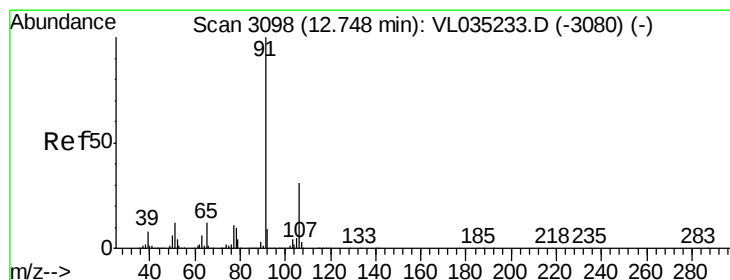
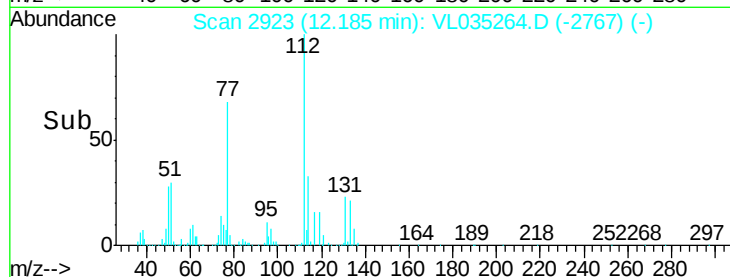
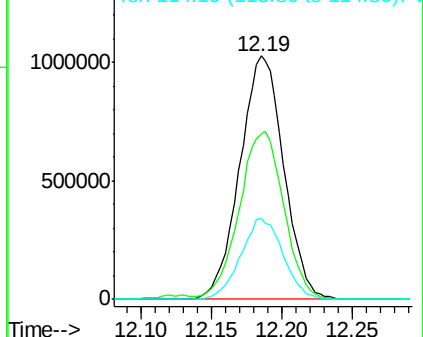
114 33.2 29.3 35.8



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: 11.366 ppbv

RT: 12.75 min Scan# 3098

Delta R.T. 0.00 min

Lab File: VL035264.D

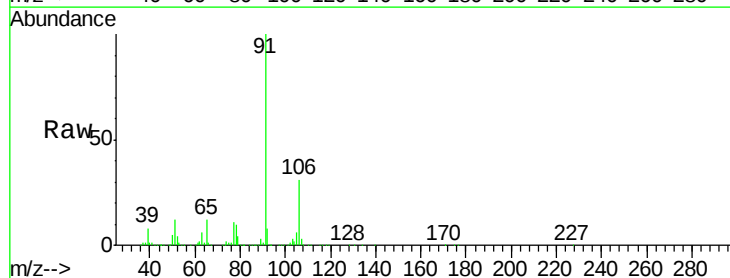
Acq: 30 Jul 2020 2:47

Tgt Ion: 91 Resp: 3829784

Ion Ratio Lower Upper

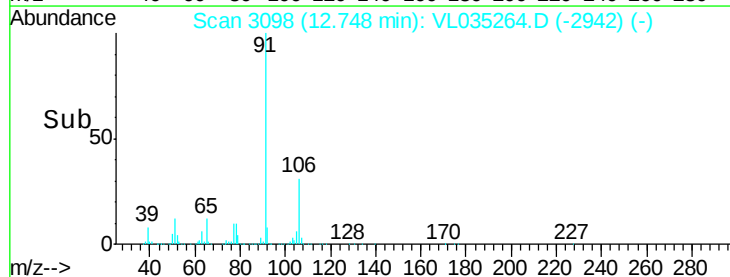
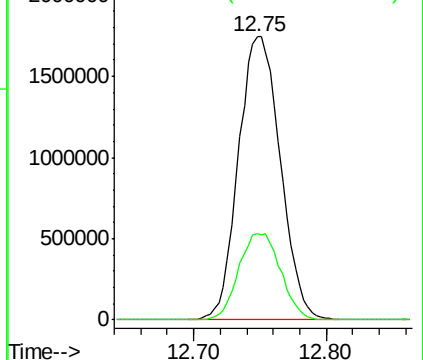
91 100

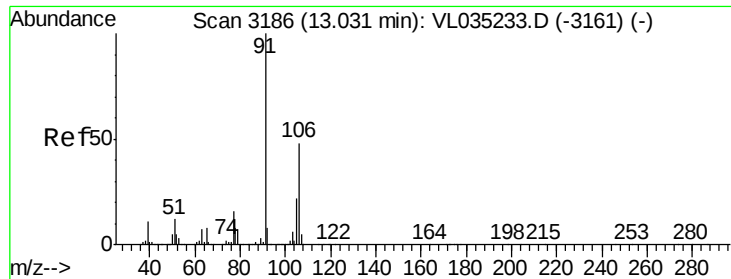
106 30.5 25.0 37.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

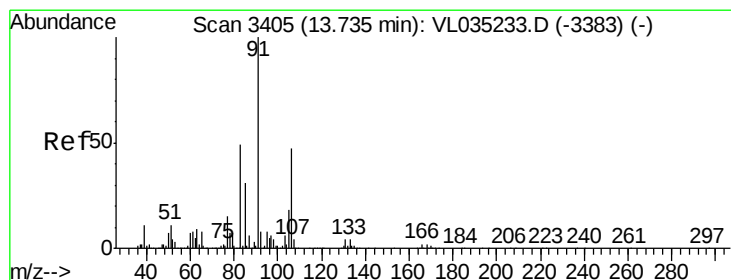
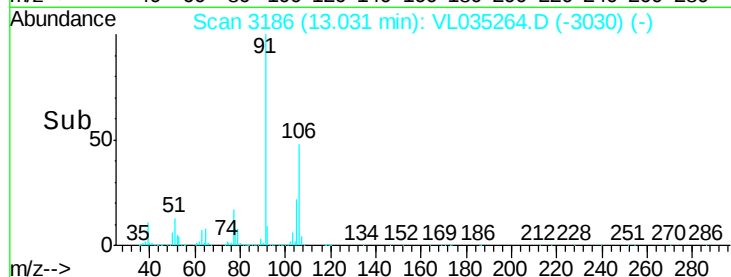
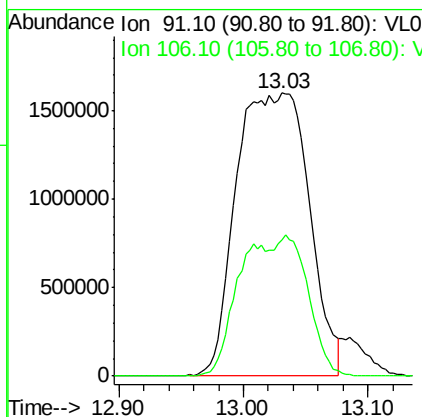
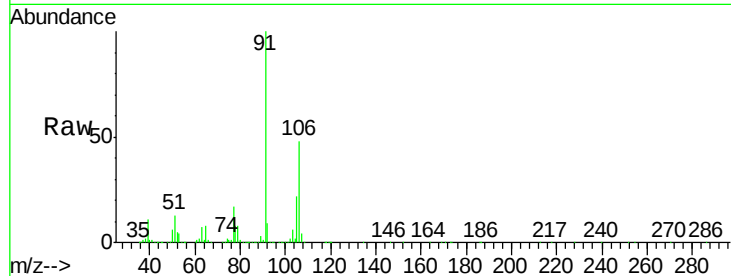




#59
m/p-Xylene
Concen: 20.682 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

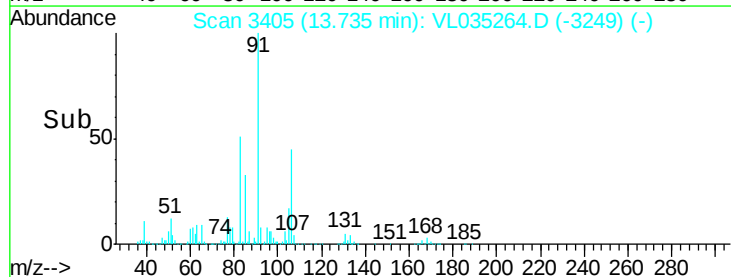
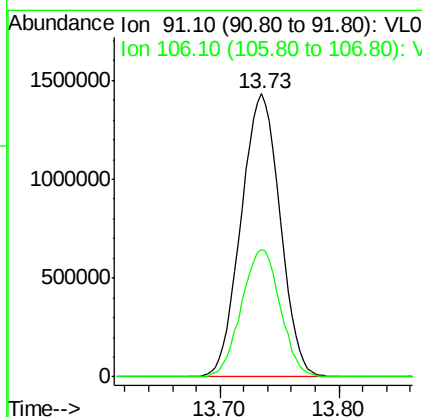
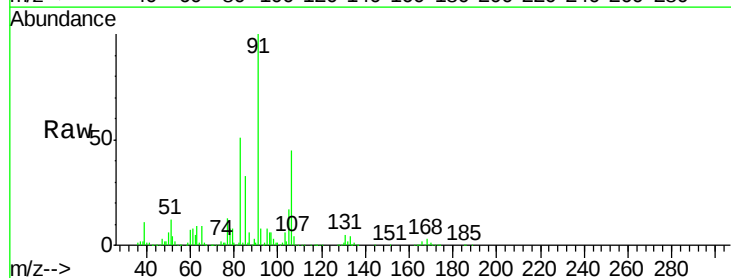
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

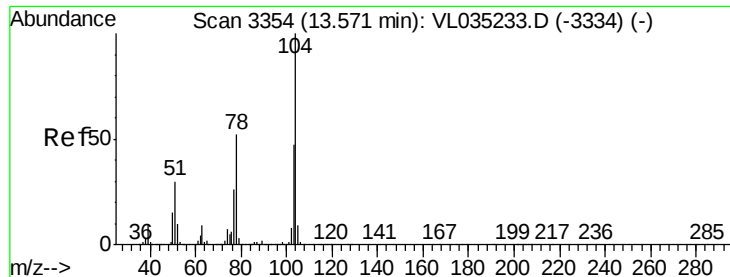
Tot Ion: 91 Resp: 6487458
Ion Ratio Lower Upper
91 100
106 46.3 37.2 55.8



#60
o-Xylene
Concen: 10.421 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.00 min
Lab File: VL035264.D
Acq: 30 Jul 2020 2:47

Tgt Ion: 91 Resp: 3261570
Ion Ratio Lower Upper
91 100
106 44.6 22.4 67.0





#61

Stvrene

Concen: 12.008 ppbv

RT: 13.57 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

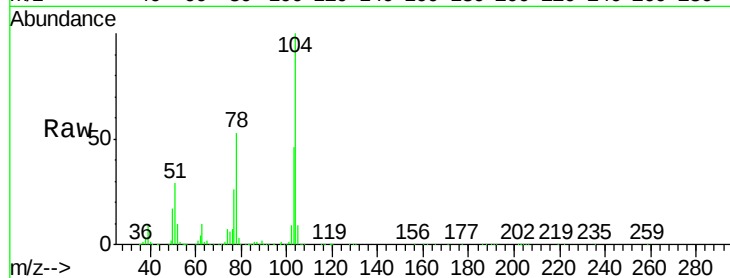
Tot Ion:104 Resp: 2281244

Ion Ratio Lower Upper

104 100

78 54.5 43.3 64.9

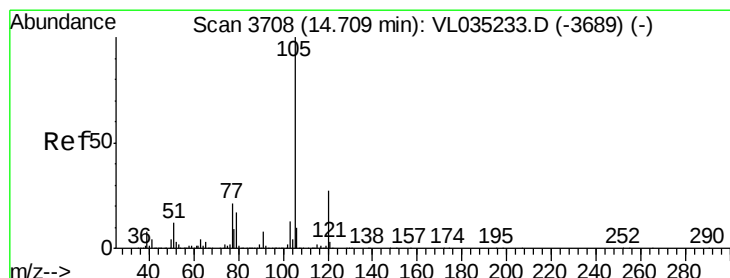
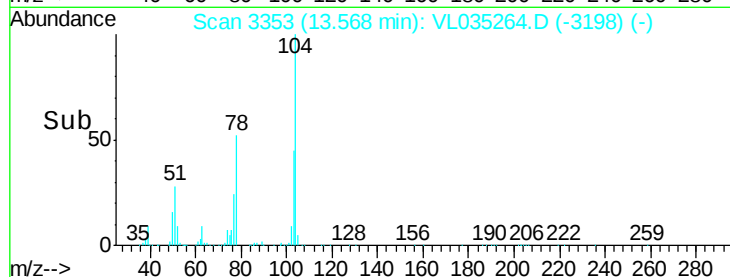
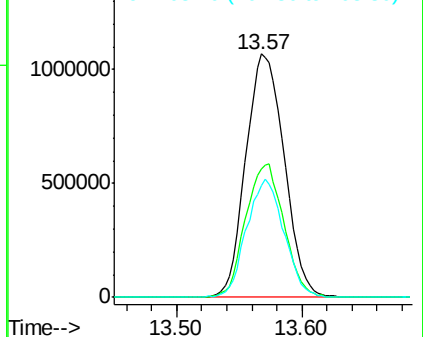
103 47.3 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.302 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.00 min

Lab File: VL035264.D

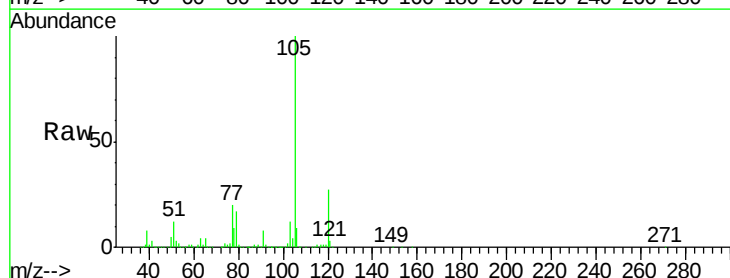
Acq: 30 Jul 2020 2:47

Tgt Ion:105 Resp: 4798819

Ion Ratio Lower Upper

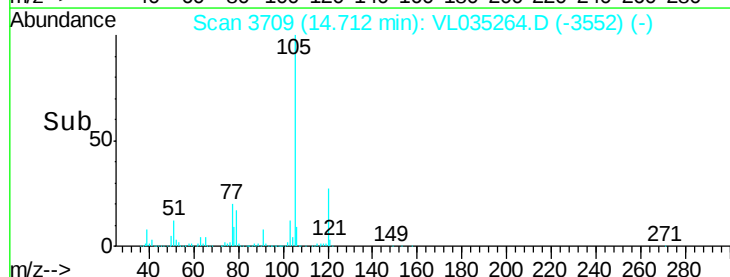
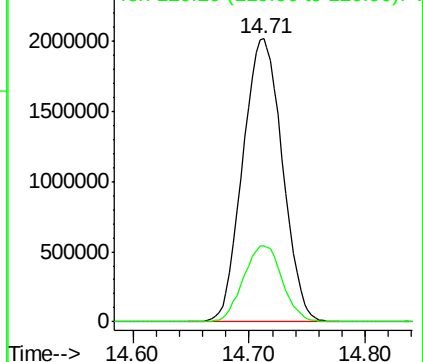
105 100

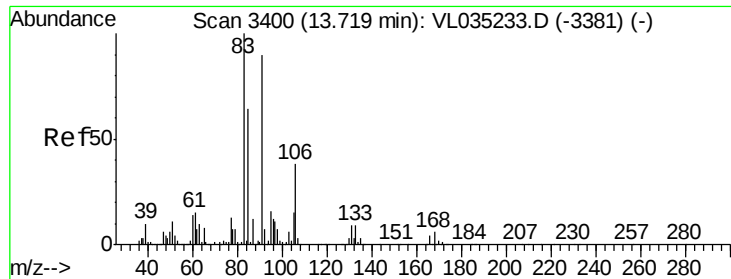
120 26.3 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.819 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

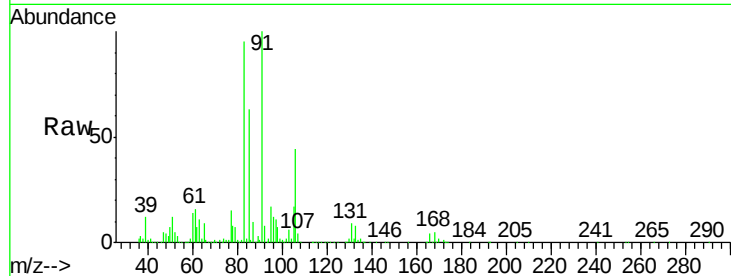
Tot Ion: 83 Resp: 2375018

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

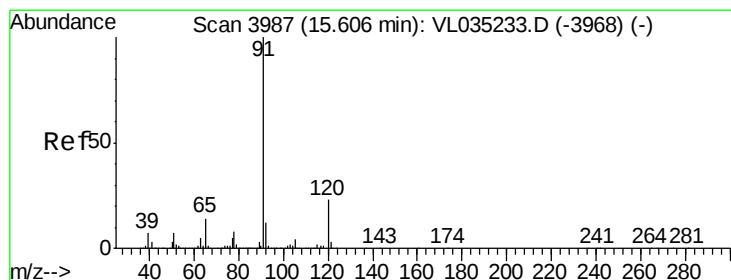
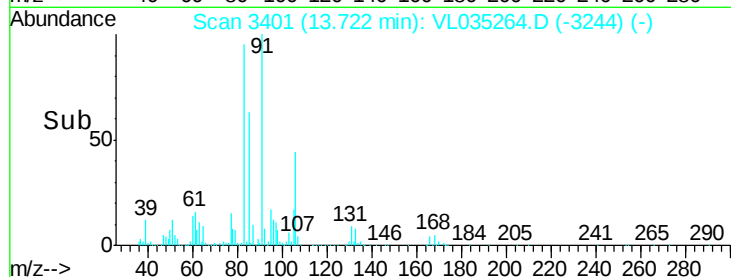
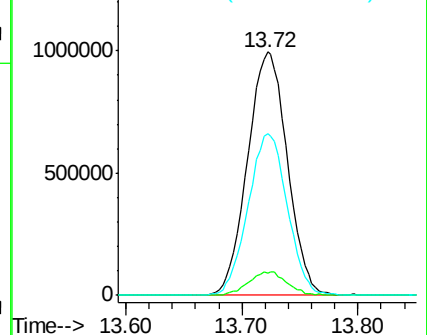
85 65.6 32.7 98.1



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.643 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.00 min

Lab File: VL035264.D

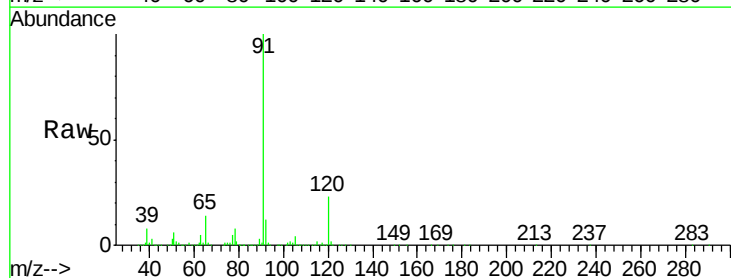
Acq: 30 Jul 2020 2:47

Tgt Ion:120 Resp: 1318160

Ion Ratio Lower Upper

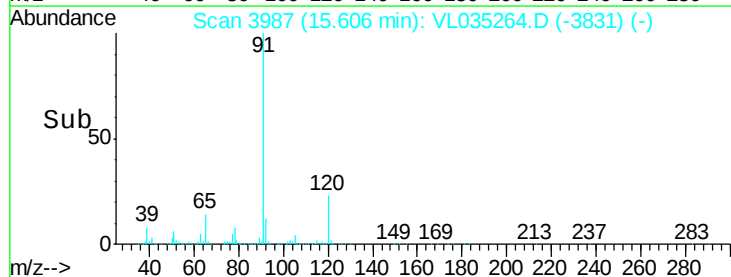
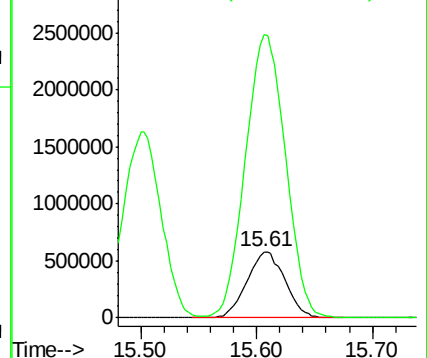
120 100

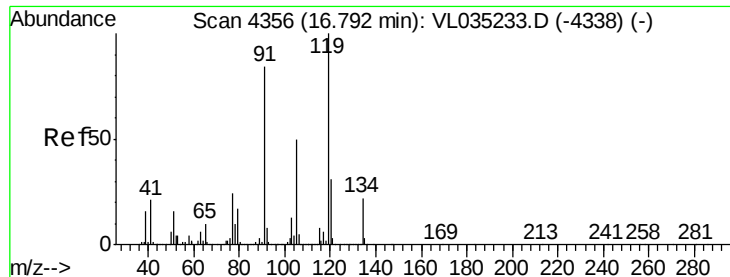
91 452.7 367.5 551.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.159 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

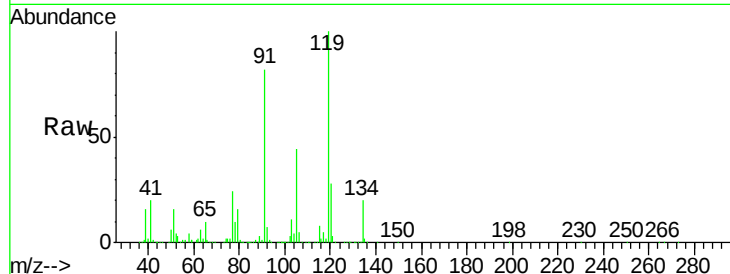
Tot Ion:119 Resp: 4287270

Ion Ratio Lower Upper

119 100

91 85.2 68.0 102.0

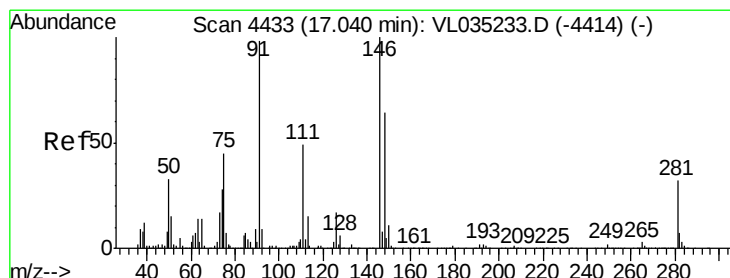
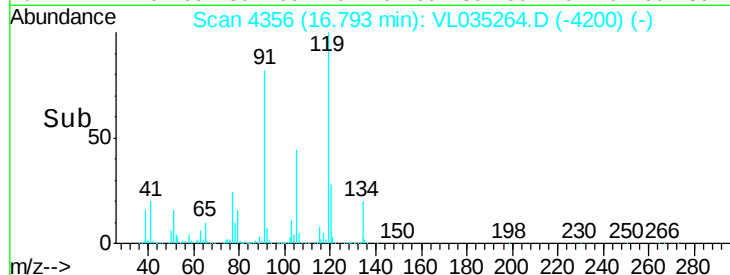
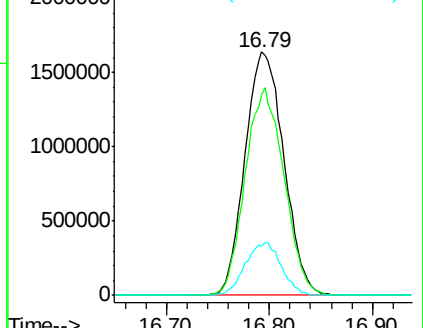
134 20.2 16.3 24.5



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.007 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

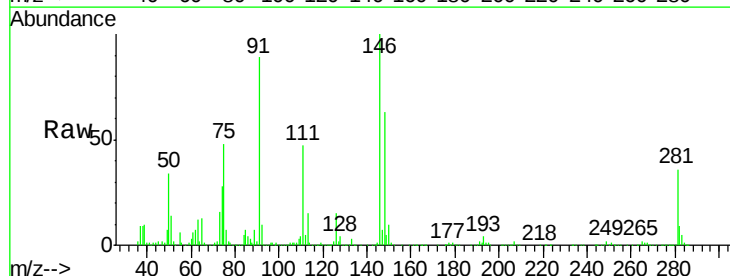
Tgt Ion: 91 Resp: 1654117

Ion Ratio Lower Upper

91 100

126 17.4 14.1 21.1

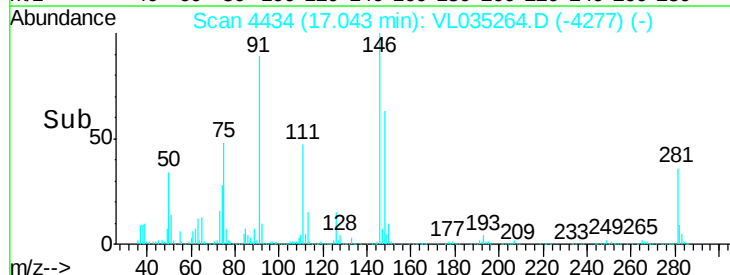
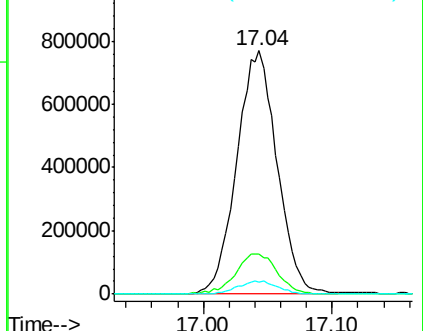
128 5.4 4.4 6.6

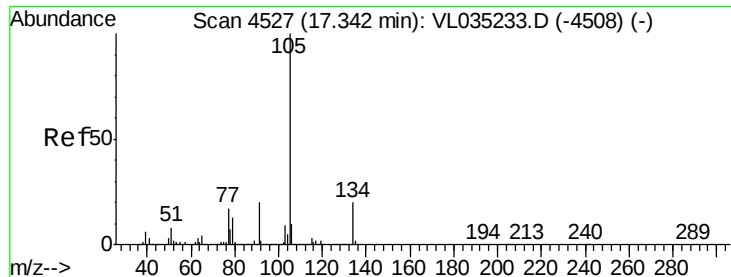


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.928 ppbv

RT: 17.35 min Scan# 4528

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

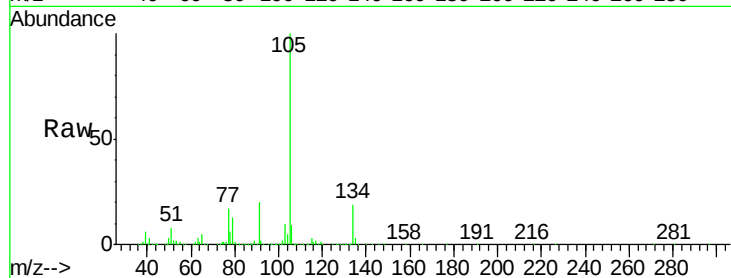
VSTDCCC010

Tot Ion:105 Resp: 6121932

Ion Ratio Lower Upper

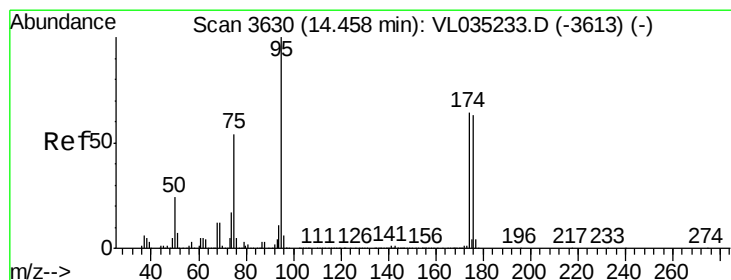
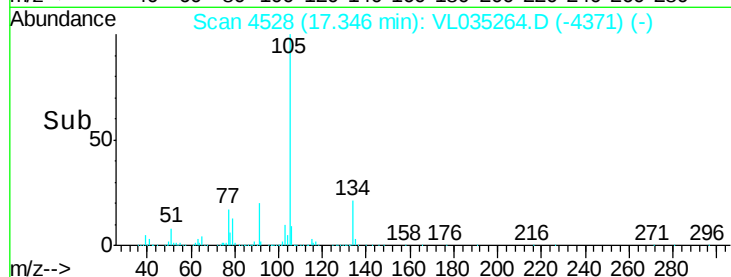
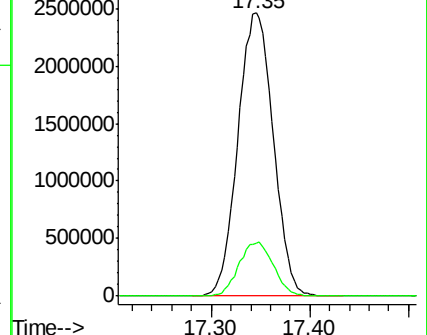
105 100

134 18.7 15.0 22.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.677 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

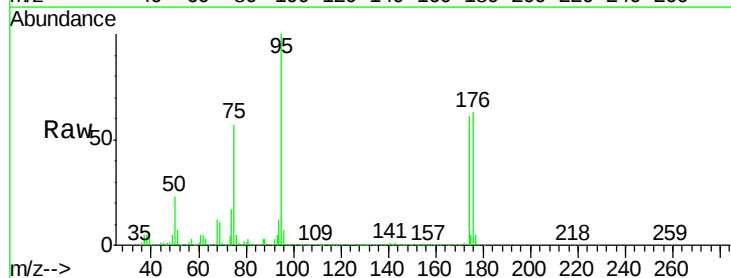
Tgt Ion: 95 Resp: 2460153

Ion Ratio Lower Upper

95 100

174 65.7 52.7 79.1

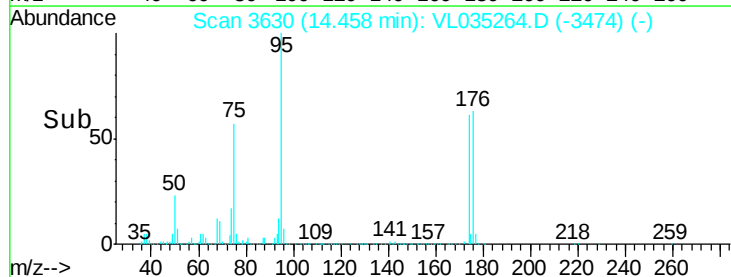
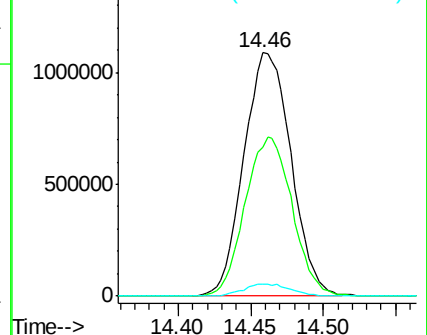
175 5.1 3.9 5.9

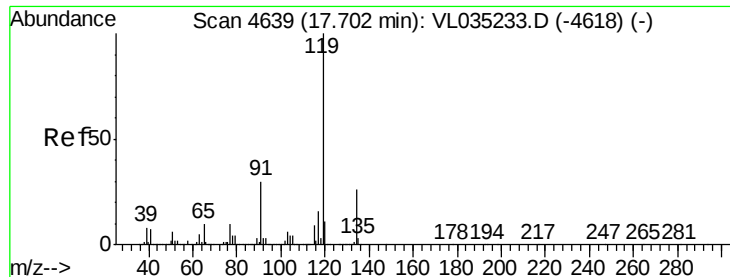


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

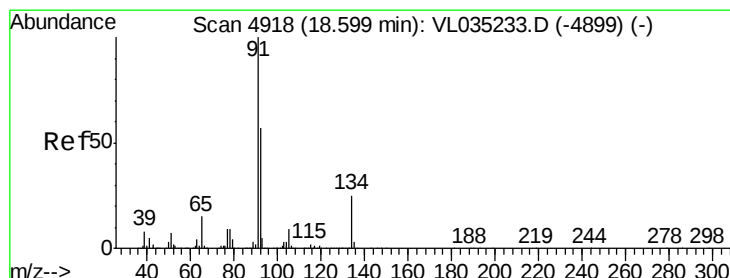
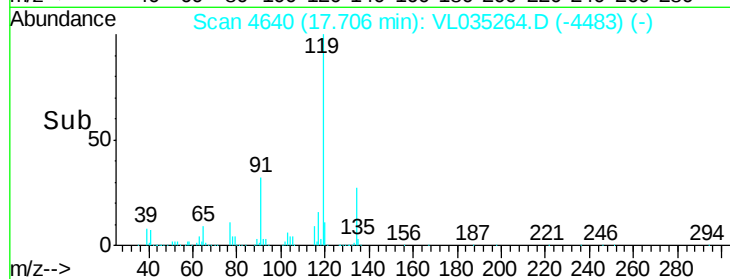
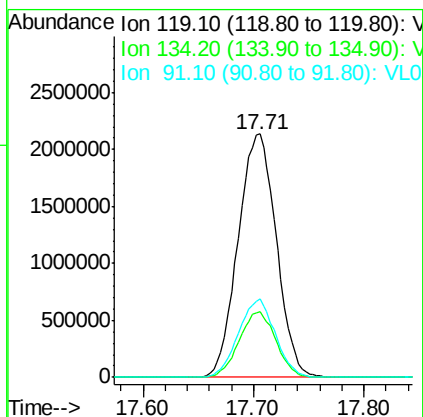
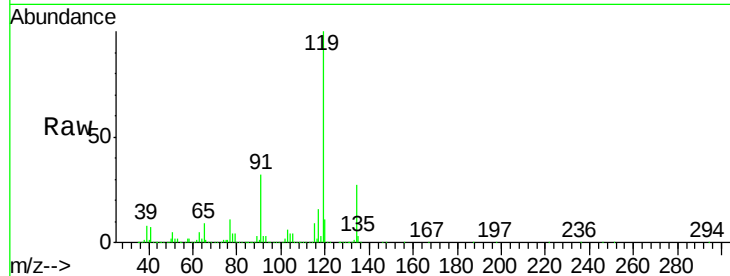




#69
 p-Isopropyltoluene
 Concen: 10.185 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

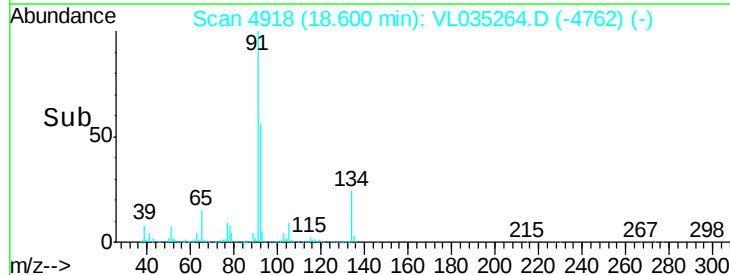
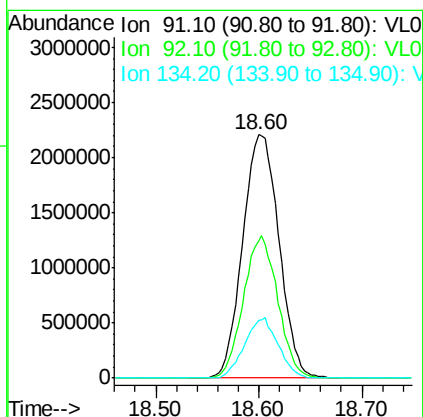
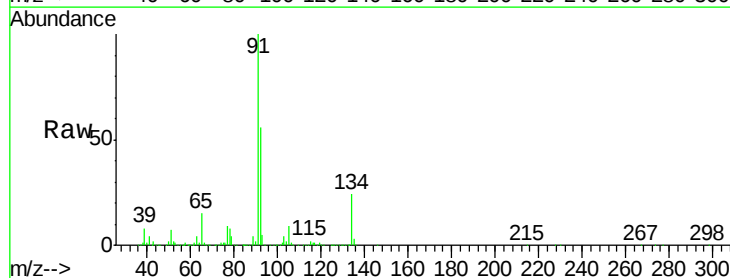
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

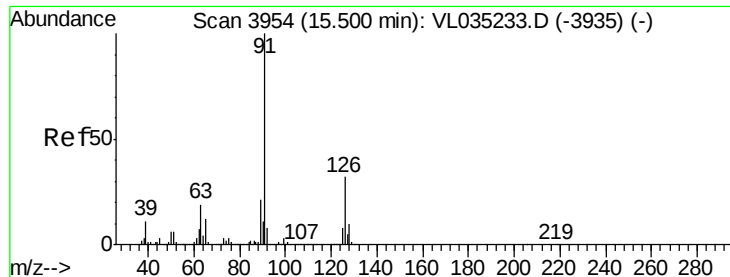
Tot Ion:119 Resp: 5122992
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.8 31.2
 91 31.1 24.7 37.1



#70
 n-Butylbenzene
 Concen: 9.942 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

Tgt Ion: 91 Resp: 5410359
 Ion Ratio Lower Upper
 91 100
 92 55.1 44.9 67.3
 134 22.9 18.6 28.0





#71

2-Chlorotoluene

Concen: 10.588 ppbv

RT: 15.50 min Scan# 3955

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

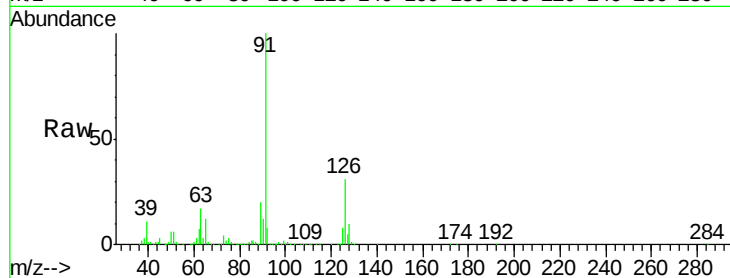
VSTDCCC010

Tot Ion: 91 Resp: 3719188

Ion Ratio Lower Upper

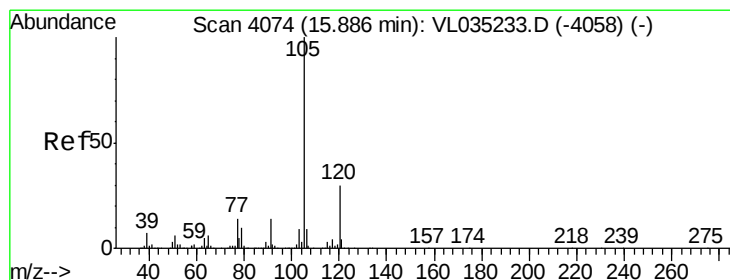
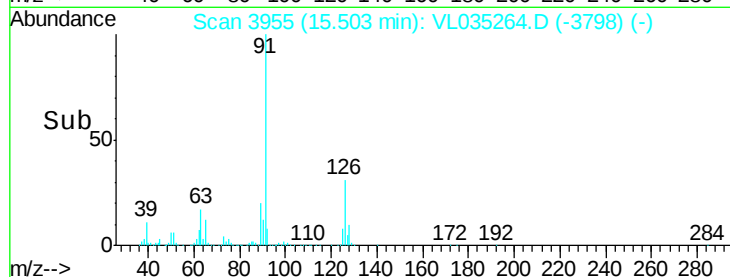
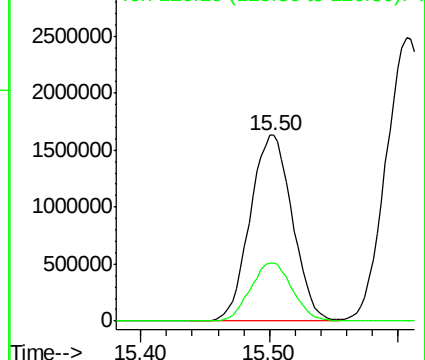
91 100

126 31.0 12.3 49.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.060 ppbv

RT: 15.89 min Scan# 4074

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Tgt Ion:105 Resp: 3896162

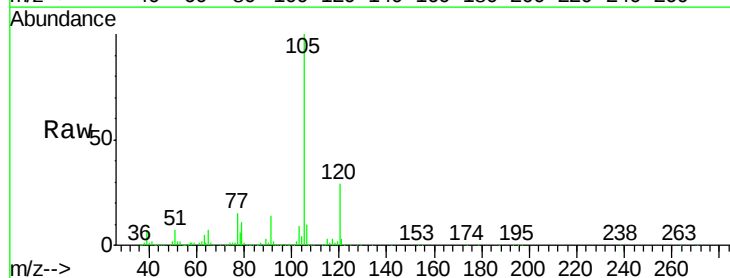
Ion Ratio Lower Upper

105 100

120 30.1 23.6 35.4

91 13.4 11.0 16.6

77 14.4 11.7 17.5

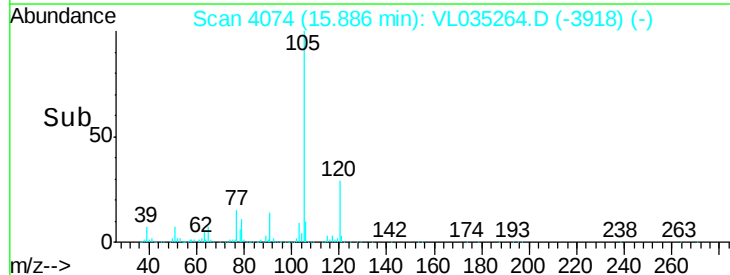
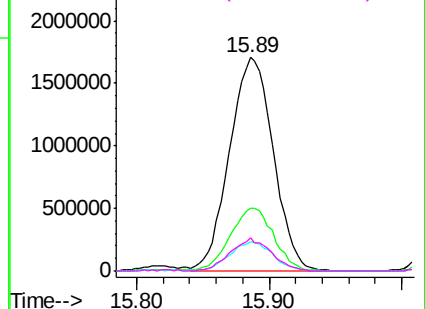


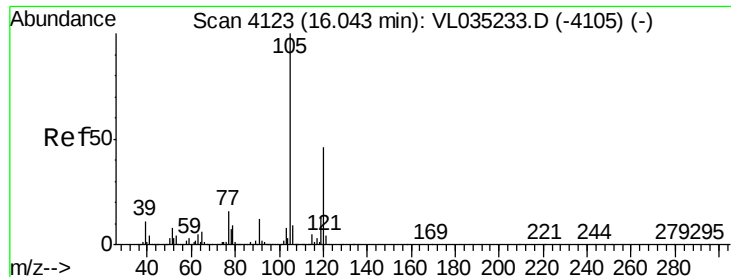
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.650 ppbv

RT: 16.04 min Scan# 4123

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

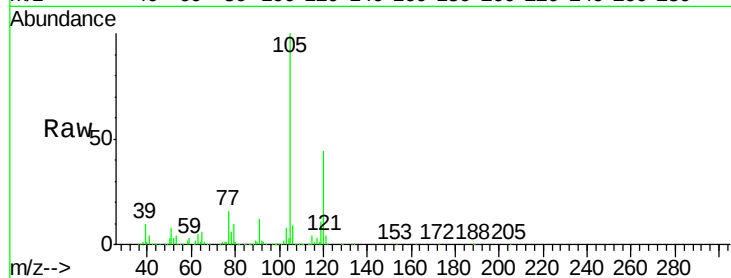
VSTDCCC010

Tot Ion:105 Resp: 3658606

Ion Ratio Lower Upper

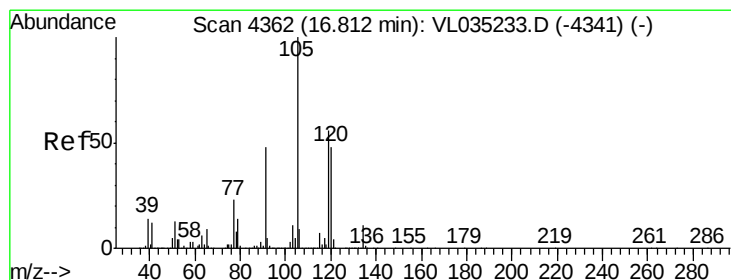
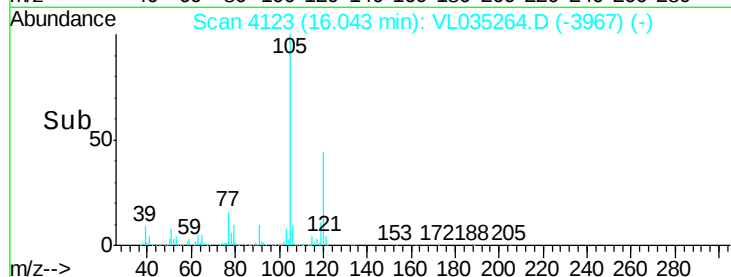
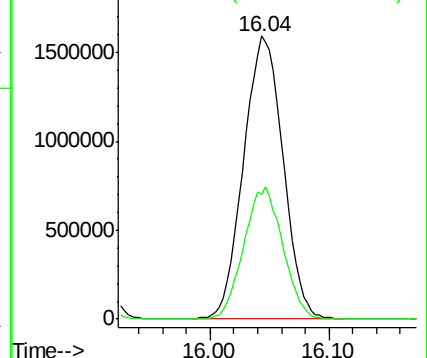
105 100

120 44.0 36.8 55.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.625 ppbv

RT: 16.81 min Scan# 4362

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Tgt Ion:105 Resp: 3849115

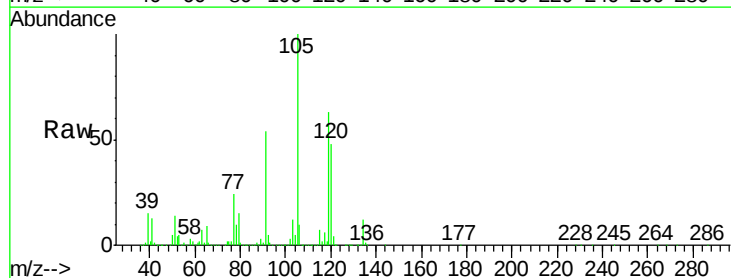
Ion Ratio Lower Upper

105 100

120 47.5 38.8 58.2

91 54.2 38.9 58.3

77 23.5 18.4 27.6

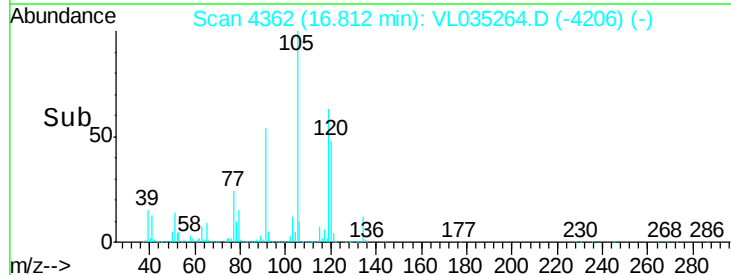
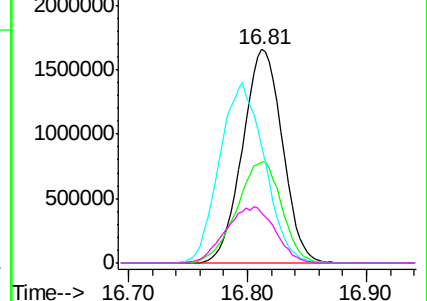


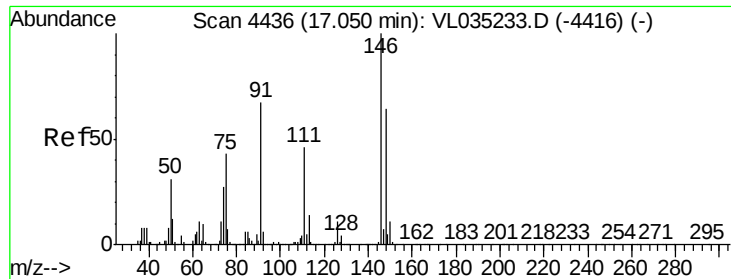
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

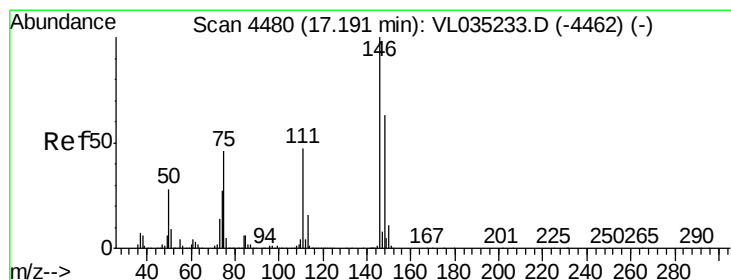
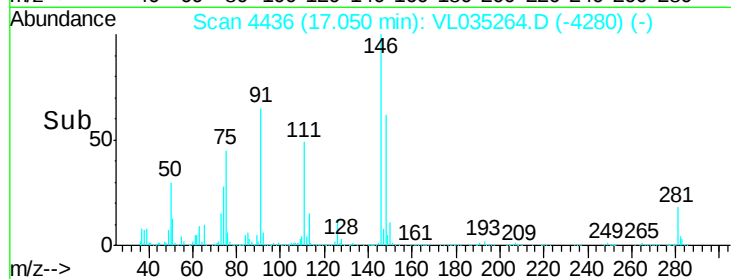
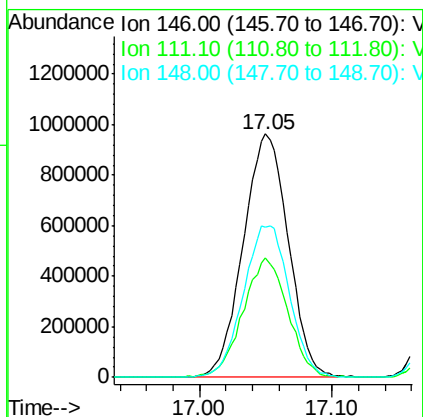
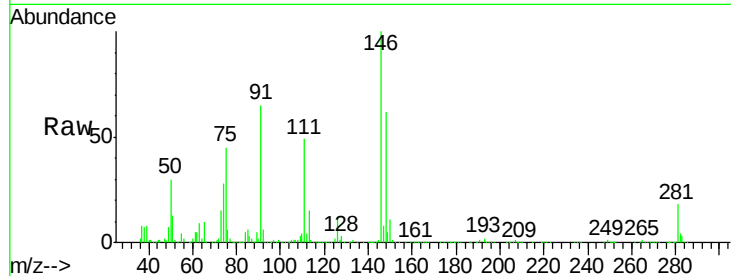




#75
 1,3-Dichlorobenzene
 Concen: 8.789 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

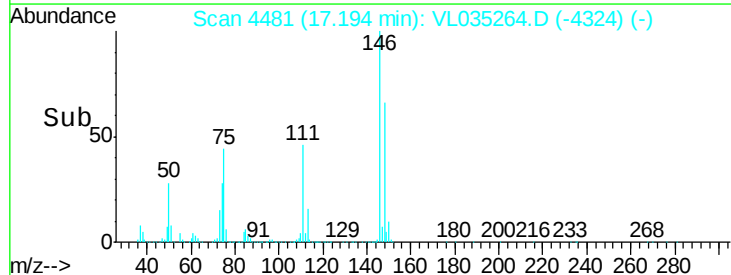
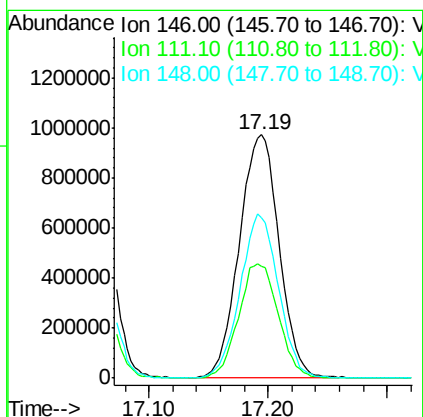
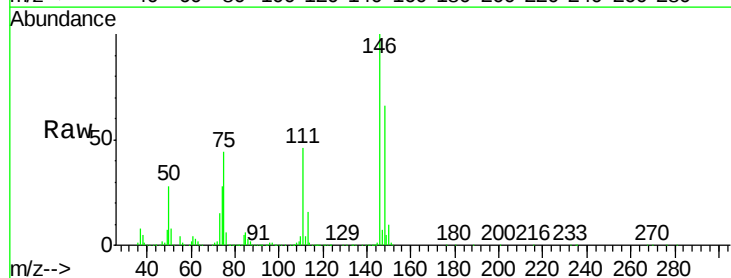
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

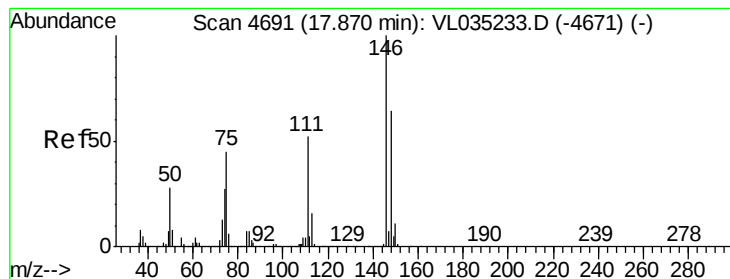
Tot Ion:146 Resp: 2269629
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.4 73.4
 148 64.0 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 9.569 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

Tgt Ion:146 Resp: 2235000
 Ion Ratio Lower Upper
 146 100
 111 46.6 23.4 70.2
 148 65.1 32.2 96.6





#77

1,2-Dichlorobenzene

Concen: 9.354 ppbv

RT: 17.87 min Scan# 4692

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

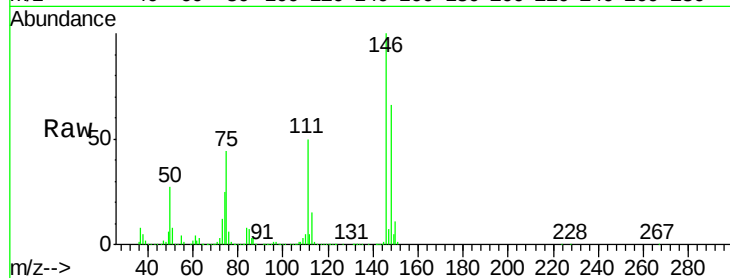
Tot Ion:146 Resp: 2163415

Ion Ratio Lower Upper

146 100

111 49.4 24.6 73.8

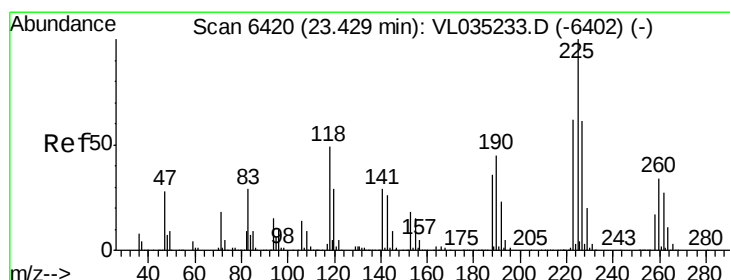
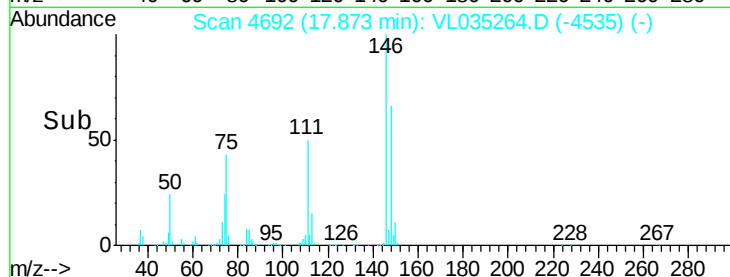
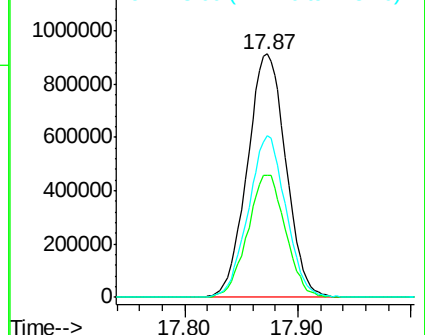
148 64.7 32.0 96.0



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.607 ppbv

RT: 23.43 min Scan# 6421

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

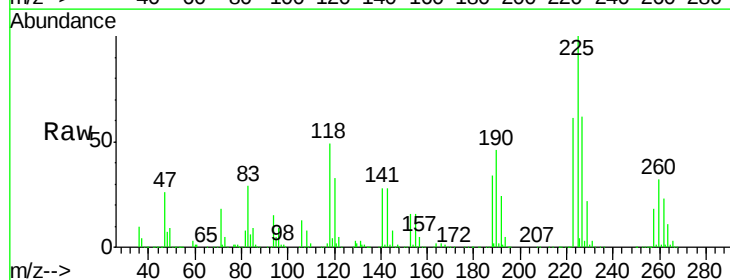
Tgt Ion:225 Resp: 1440233

Ion Ratio Lower Upper

225 100

223 63.2 51.3 76.9

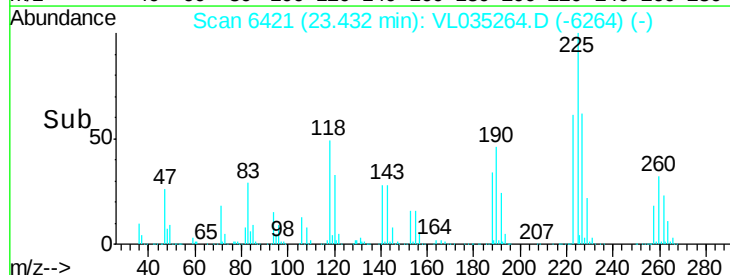
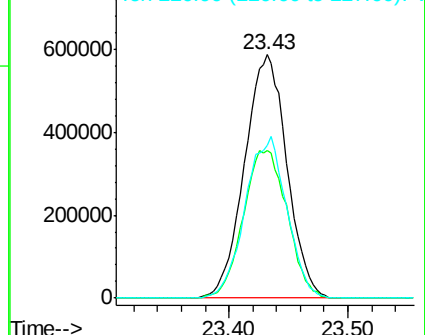
227 65.4 51.4 77.2

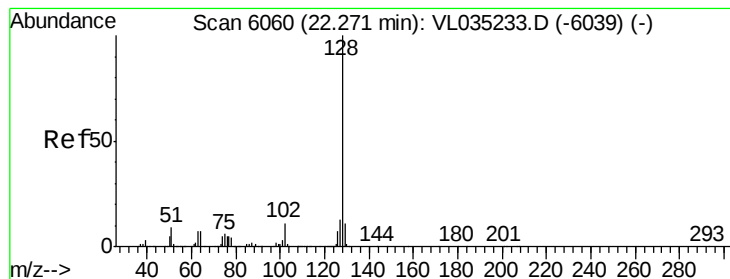


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.542 ppbv

RT: 22.27 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Instrument :

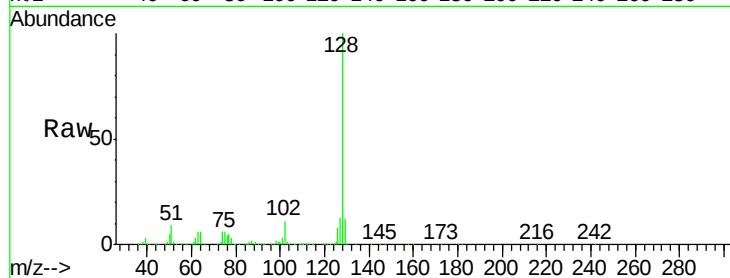
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3034428

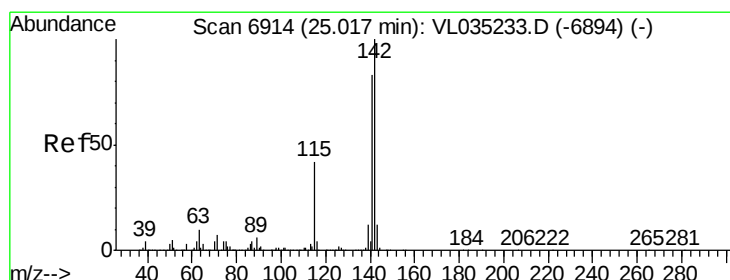
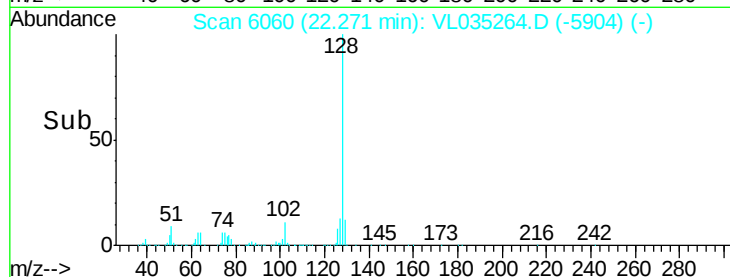
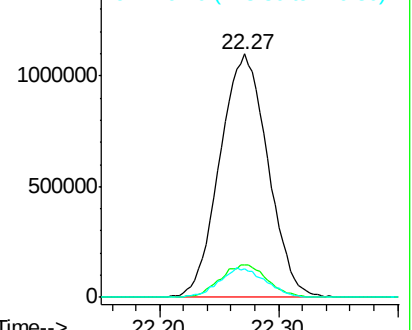
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.6	8.5	12.7



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: 8.979 ppbv

RT: 25.02 min Scan# 6915

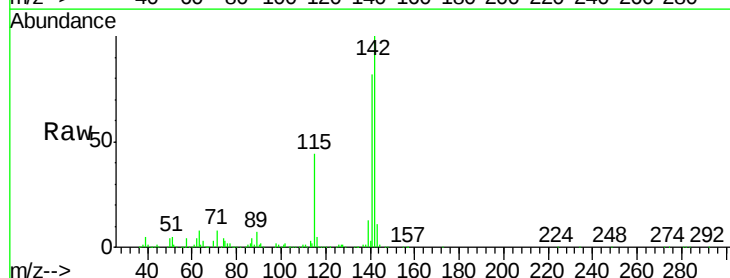
Delta R.T. 0.00 min

Lab File: VL035264.D

Acq: 30 Jul 2020 2:47

Tgt Ion:142 Resp: 924156

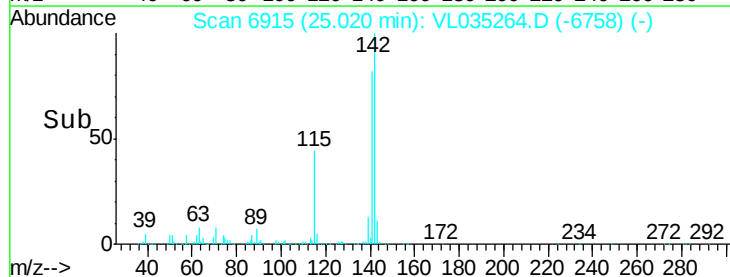
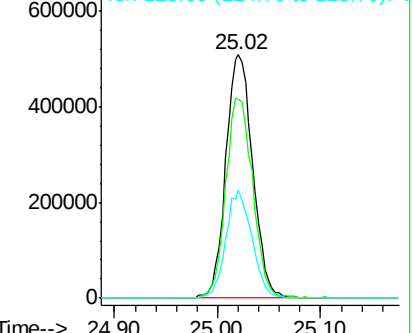
Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.6	103.0
115	43.0	34.5	51.7

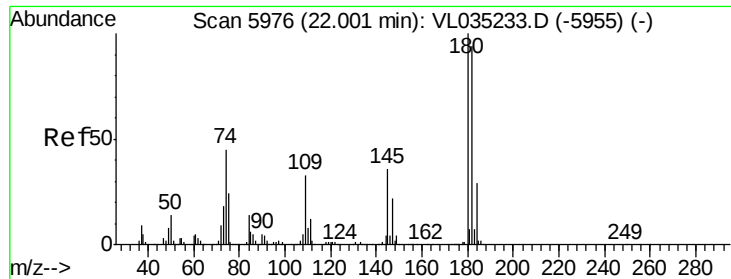


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.112 ppbv
 RT: 22.00 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL035264.D
 Acq: 30 Jul 2020 2:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 1763869
 Ion Ratio Lower Upper
 180 100
 182 97.1 76.7 115.1
 184 31.2 24.7 37.1

