

Data File : VL035740.D
Acq On : 30 Sep 2020 1:31
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Sep 30 04:14:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
QLast Update : Wed Sep 23 07:38:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1140167	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.22	114	4267430	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.14	117	5416775	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	3254942	8.02	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1636979	8.750	ppbv	99
3) Chlorodifluoromethane	3.00	51	1202934	9.807	ppbv	100
4) Chloromethane	3.15	50	663657	10.072	ppbv	97
5) Vinyl Chloride	3.27	62	776780	9.966	ppbv	99
6) Bromomethane	3.49	94	644991	9.790	ppbv	98
7) Chloroethane	3.57	64	283616	9.922	ppbv	100
8) Dichlorotetrafluoroethane	3.20	85	2160363	9.521	ppbv	100
9) Propene	3.02	41	465144	10.444	ppbv	100
10) Heptane	8.17	43	1409294	11.351	ppbv	99
11) Trichlorofluoromethane	3.97	101	2612413	9.787	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1942799	9.763	ppbv	99
13) Ethanol	3.63	45	64339	5.858	ppbv #	53
14) Bromoethene	3.76	108	852886	10.175	ppbv	100
15) Acetone	3.87	43	1094835	8.924	ppbv	99
16) 1,3-Butadiene	3.34	39	490586	10.930	ppbv	97
17) tert-Butyl alcohol	4.32	59	1408458	10.539	ppbv	100
18) 1,1-Dichloroethene	4.31	96	894303	10.265	ppbv	97
19) Isopropyl Alcohol	3.99	45	739734	11.084	ppbv	100
20) Methylene Chloride	4.37	84	748257	8.303	ppbv	99
21) Allyl Chloride	4.44	41	627143	10.546	ppbv	99
22) trans-1,2-Dichloroethene	4.91	96	941581	10.230	ppbv	99
23) Vinyl Acetate	5.11	43	1640678	10.918	ppbv	99
24) 1,1-Dichloroethane	5.04	63	1635346	9.991	ppbv	100
25) Ethyl Acetate	5.71	43	2279145	10.324	ppbv	99
26) Hexane	5.72	57	1265793	10.464	ppbv	99
27) Carbon Disulfide	4.57	76	1968739	10.919	ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	2003468	10.448	ppbv	99
29) Chloroform	5.79	83	2444553	9.951	ppbv	100
30) Cyclohexane	7.17	84	1348230	11.296	ppbv	99
31) cis-1,2-Dichloroethene	5.58	61	1297459	11.111	ppbv	97
32) 1,1,1-Trichloroethane	6.55	97	2336227	10.788	ppbv	99
34) 2-Butanone	5.28	43	1540552	10.914	ppbv	100
35) Carbon Tetrachloride	7.06	117	2454555	11.032	ppbv	99
36) Benzene	6.93	78	3061933	11.012	ppbv	100
37) 1,2-Dichloroethane	6.35	62	1515474	10.457	ppbv	100
38) Trichloroethene	7.88	130	1562141	11.262	ppbv	98
39) 1,2-Dichloropropane	7.66	63	1079621	10.712	ppbv	97
40) 1,4-Dioxane	7.87	88	538987	11.694	ppbv	96
41) Tetrahydrofuran	6.08	42	867222	12.196	ppbv	98
42) Bromodichloromethane	7.84	83	2550136	10.923	ppbv	100
43) Methyl Methacrylate	8.06	69	1316514	11.904	ppbv	98

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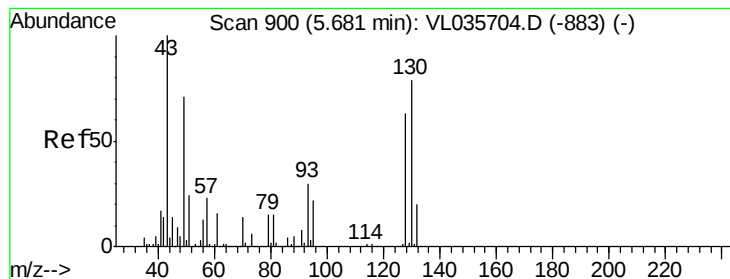
Quant Time: Sep 30 04:14:52 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	4293331	10.760	ppbv	100
45) t-1,3-Dichloropropene	9.33	75	1471418	13.178	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1749355	12.710	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	1501335	10.400	ppbv	99
48) Dibromochloromethane	10.36	129	2525803	11.496	ppbv	100
49) Bromoform	13.10	173	2228050	11.951	ppbv	100
50) 4-Methyl-2-Pentanone	8.79	43	2327071	11.288	ppbv	99
51) 2-Hexanone	10.18	43	1980704	11.925	ppbv	99
52) Tetrachloroethene	11.28	164	1430286	10.696	ppbv	99
53) Toluene	9.86	91	3862125	11.779	ppbv	99
54) 1,2-Dibromoethane	10.66	107	2349443	10.869	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.18	131	1947438	8.574	ppbv	99
57) Chlorobenzene	12.20	112	3285257	8.030	ppbv	99
58) Ethyl Benzene	12.77	91	5043759	9.277	ppbv	99
59) m/p-Xylene	13.06	91	5009894	10.552	ppbv #	50
60) o-Xylene	13.75	91	4265587	8.881	ppbv	99
61) Styrene	13.59	104	3322638	10.005	ppbv	99
62) Isopropylbenzene	14.73	105	6364590	8.544	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	3147270	7.991	ppbv	100
64) n-propylbenzene	15.62	120	1971703	9.043	ppbv	98
65) tert-Butylbenzene	16.81	119	5917808	8.737	ppbv	100
66) Benzyl Chloride	17.05	91	2292822	11.173	ppbv	100
67) sec-Butylbenzene	17.36	105	7962816	8.514	ppbv	100
69) p-Isopropyltoluene	17.72	119	6776353	8.905	ppbv	100
70) n-Butylbenzene	18.62	91	6880652	8.781	ppbv	99
71) 2-Chlorotoluene	15.52	91	4953385	9.116	ppbv	100
72) 4-Ethyltoluene	15.90	105	5271748	9.266	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	4911528	9.135	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	5151533	8.500	ppbv	97
75) 1,3-Dichlorobenzene	17.06	146	3400112	8.217	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	3411794	8.626	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	3296875	8.436	ppbv	100
78) Hexachloro-1,3-Butadiene	23.45	225	1884211	8.738	ppbv	99
79) Naphthalene	22.28	128	5340010	9.237	ppbv	98
80) Naphthalene,2-methyl-	25.03	142	1944116	14.258	ppbv	99
81) 1,2,4-Trichlorobenzene	22.01	180	2670387	8.914	ppbv	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

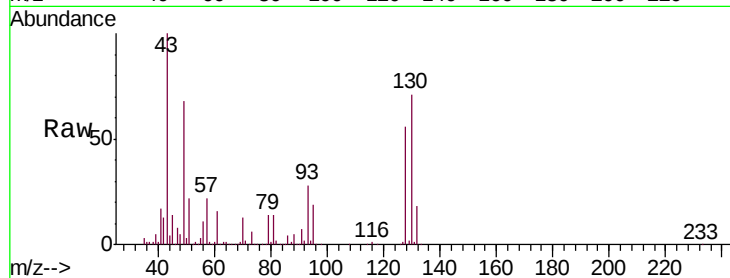
Tgt Ion: 49 Resp: 1140167

Ion Ratio Lower Upper

49 100

128 83.3 43.1 129.4

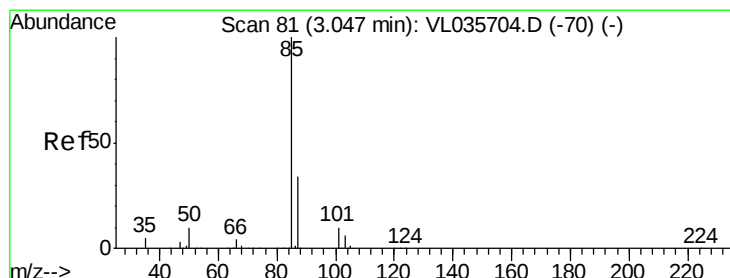
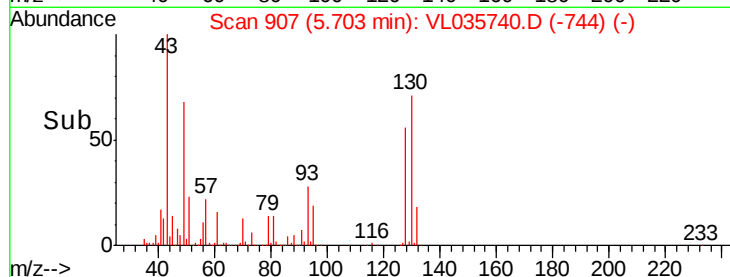
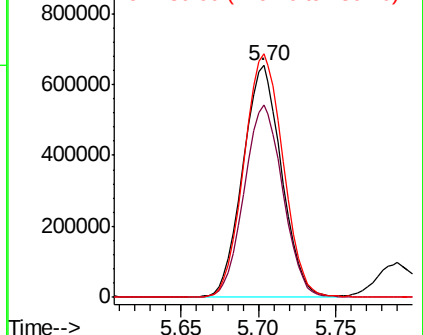
130 106.8 54.9 164.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.750 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL035740.D

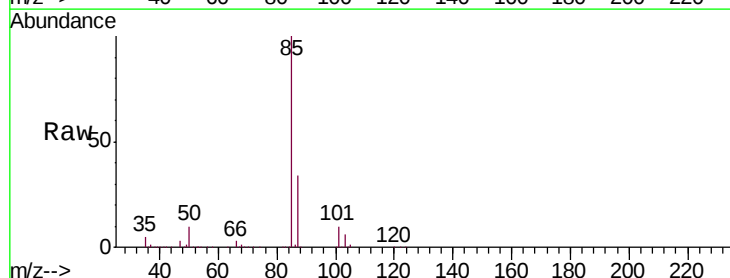
Acq: 30 Sep 2020 1:31

Tgt Ion: 85 Resp: 1636979

Ion Ratio Lower Upper

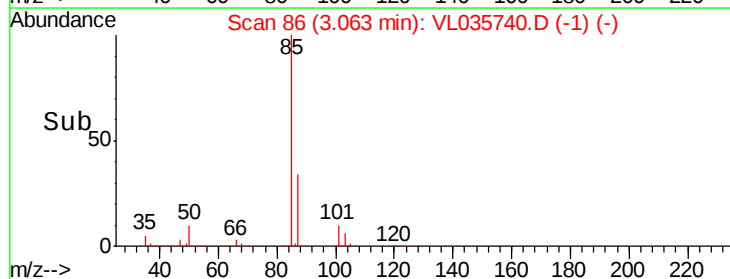
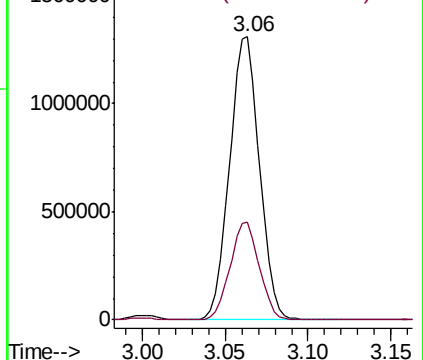
85 100

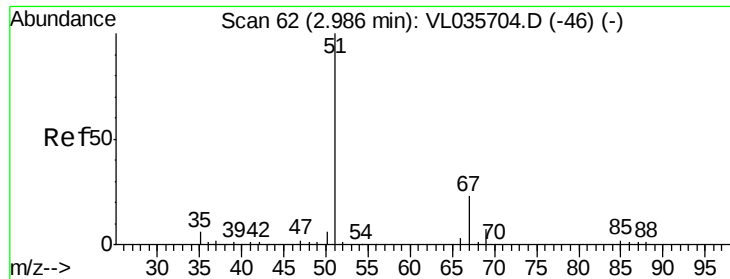
87 34.4 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.807 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

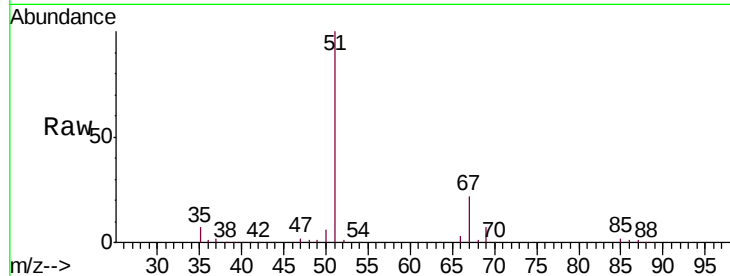
VSTDCCC010EC

Tgt Ion: 51 Resp: 1202934

Ion Ratio Lower Upper

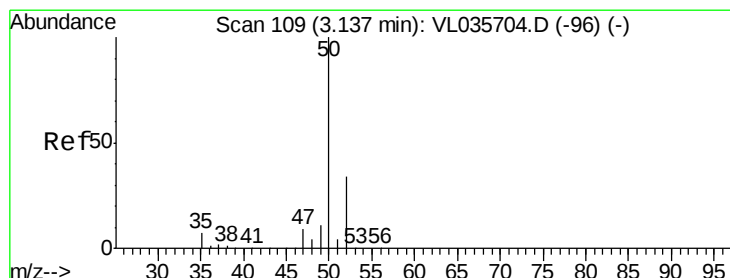
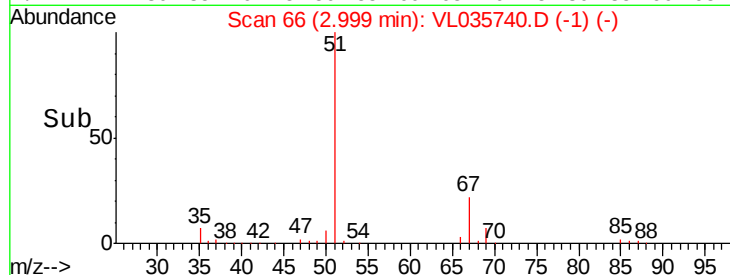
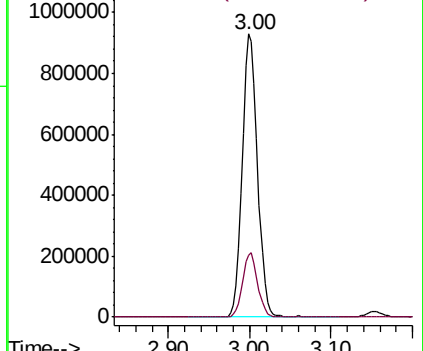
51 100

67 22.2 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.072 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL035740.D

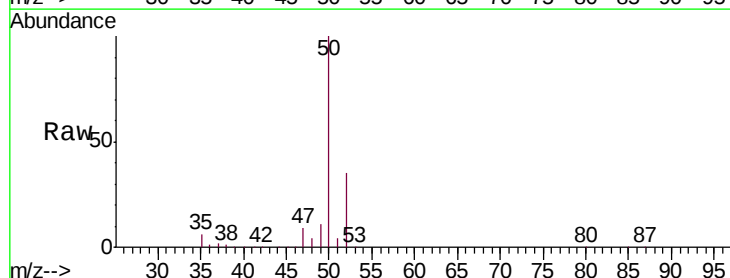
Acq: 30 Sep 2020 1:31

Tgt Ion: 50 Resp: 663657

Ion Ratio Lower Upper

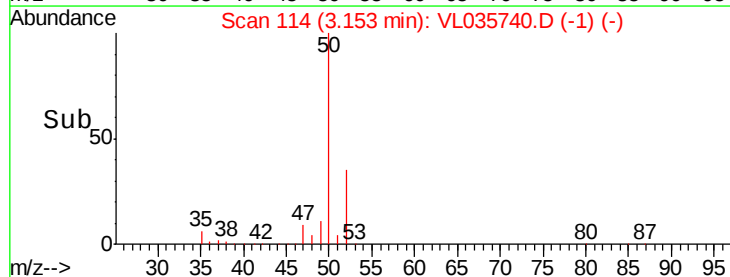
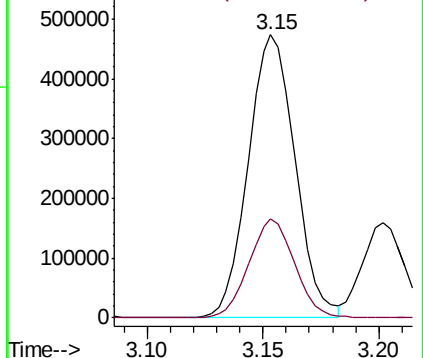
50 100

52 35.1 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.966 ppbv

RT: 3.27 min Scan# 151

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

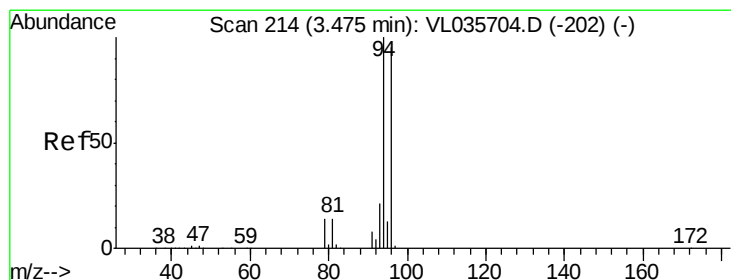
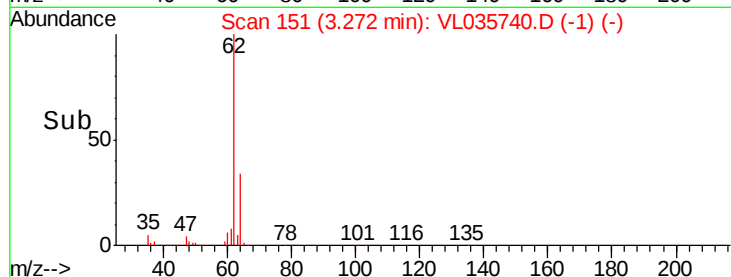
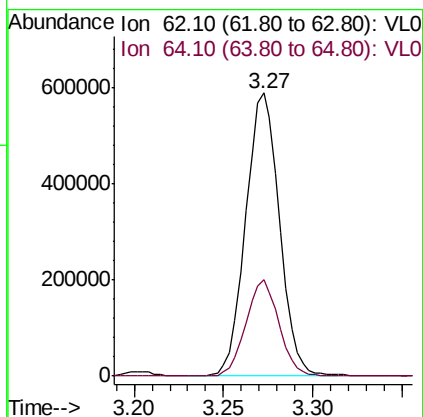
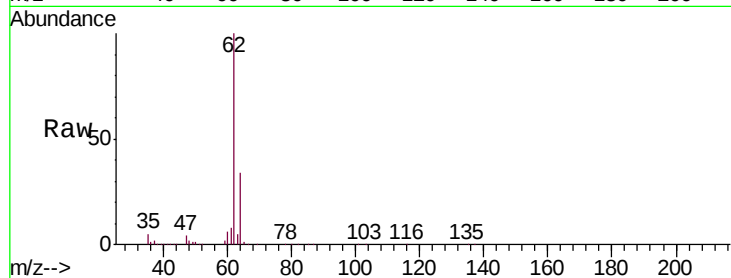
VSTDCCC010EC

Tgt Ion: 62 Resp: 776780

Ion Ratio Lower Upper

62 100

64 33.9 26.8 40.2



#6

Bromomethane

Concen: 9.790 ppbv

RT: 3.49 min Scan# 219

Delta R.T. 0.02 min

Lab File: VL035740.D

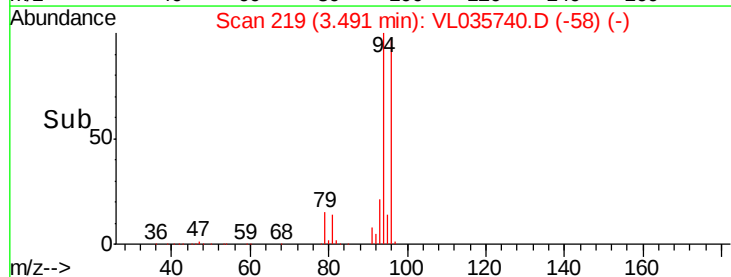
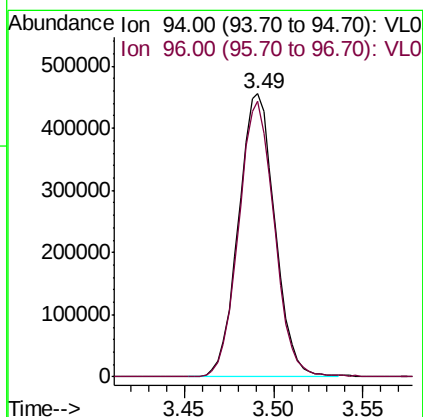
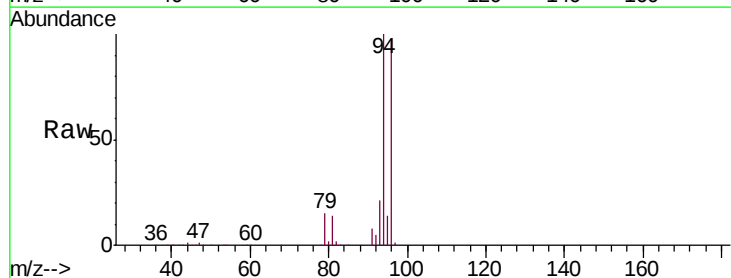
Acq: 30 Sep 2020 1:31

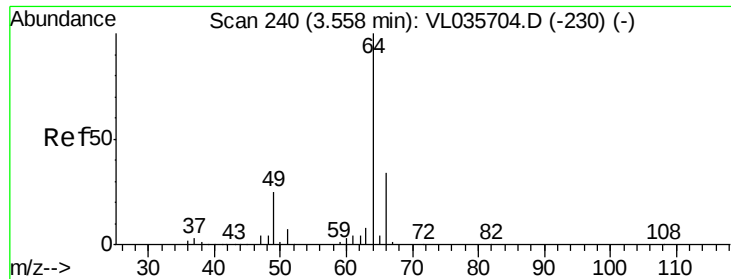
Tgt Ion: 94 Resp: 644991

Ion Ratio Lower Upper

94 100

96 97.3 76.3 114.5





#7

Chloroethane

Concen: 9.922 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

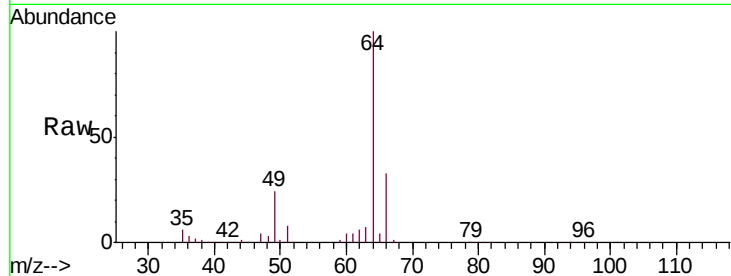
VSTDCCC010EC

Tgt Ion: 64 Resp: 283616

Ion Ratio Lower Upper

64 100

66 33.4 26.9 40.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

0

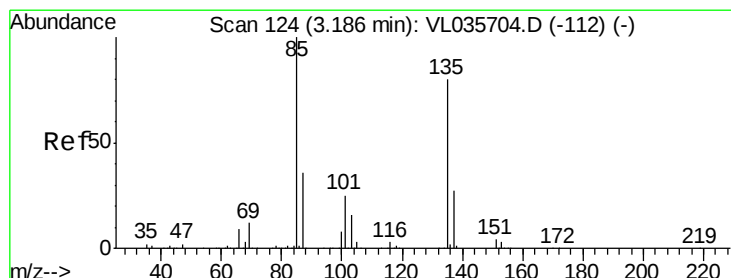
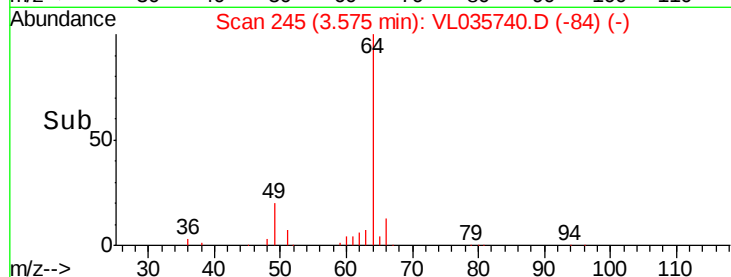
3.57

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.521 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.02 min

Lab File: VL035740.D

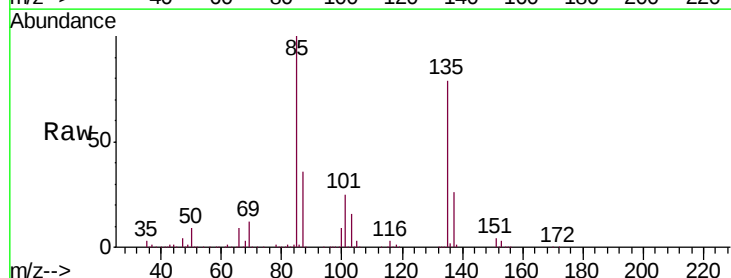
Acq: 30 Sep 2020 1:31

Tgt Ion: 85 Resp: 2160363

Ion Ratio Lower Upper

85 100

135 80.1 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

500000

0

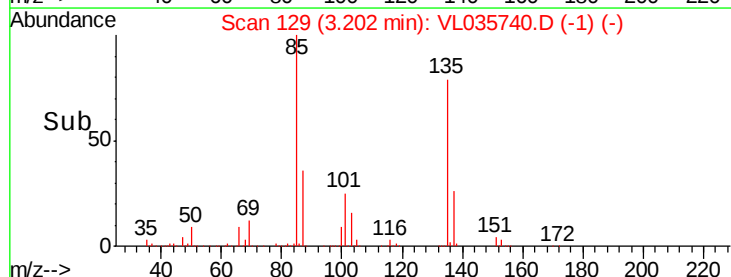
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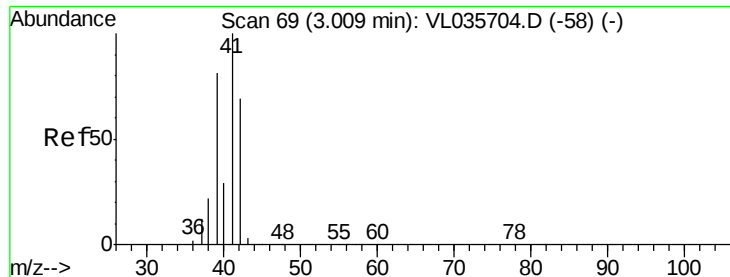
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 10.444 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

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ClientSampleId :

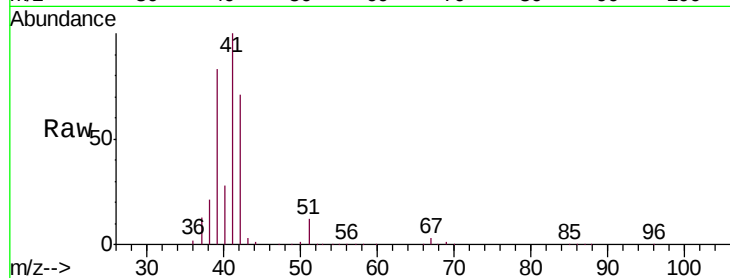
VSTDCCC010EC

Tgt Ion: 41 Resp: 465144

Ion Ratio Lower Upper

41 100

42 70.0 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.02

400000

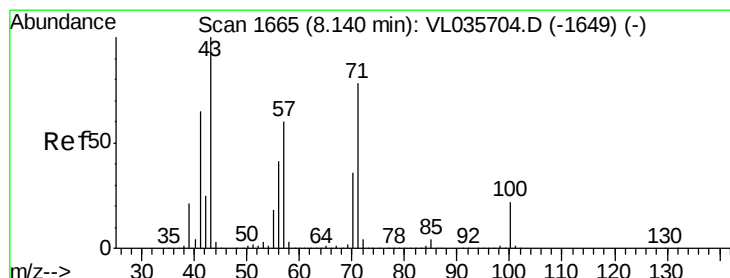
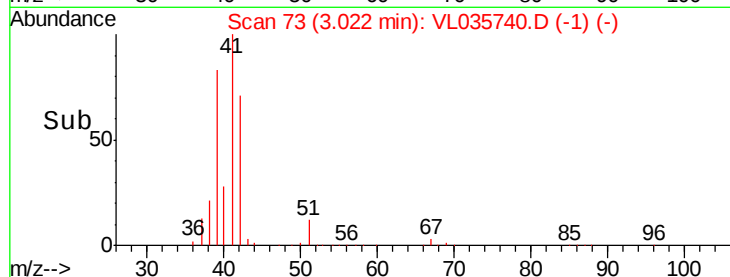
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 11.351 ppbv

RT: 8.17 min Scan# 1674

Delta R.T. 0.03 min

Lab File: VL035740.D

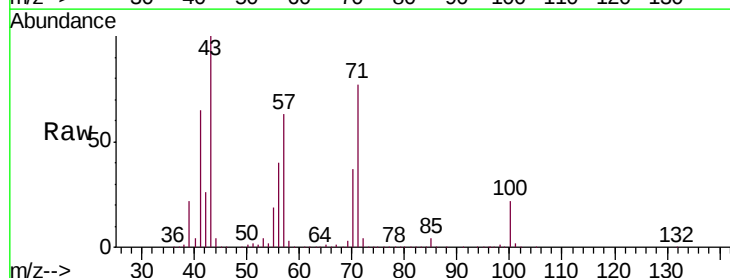
Acq: 30 Sep 2020 1:31

Tgt Ion: 43 Resp: 1409294

Ion Ratio Lower Upper

43 100

57 62.6 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.17

800000

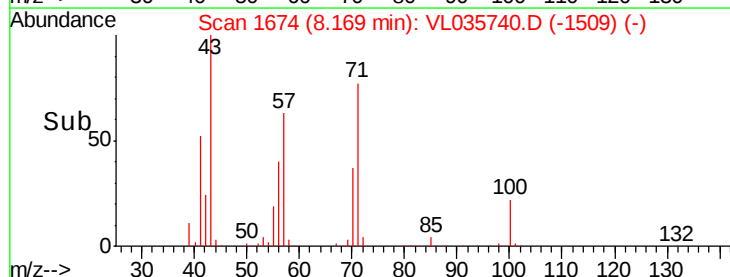
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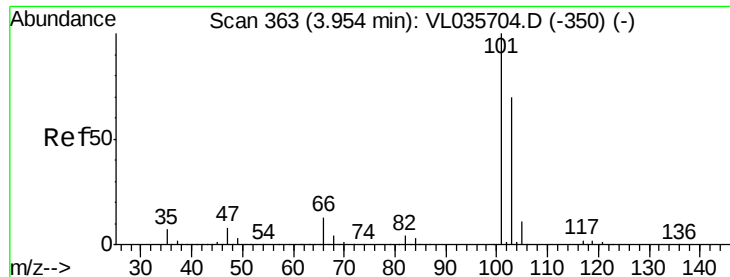
400000

200000

0

Time-->

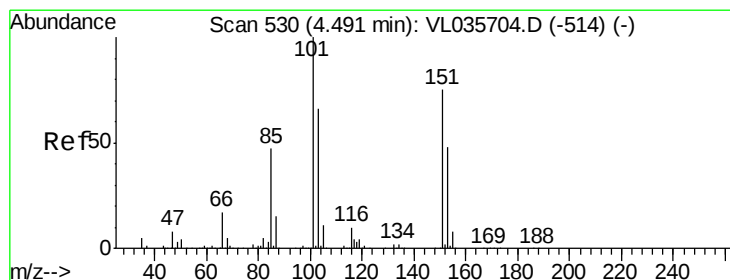
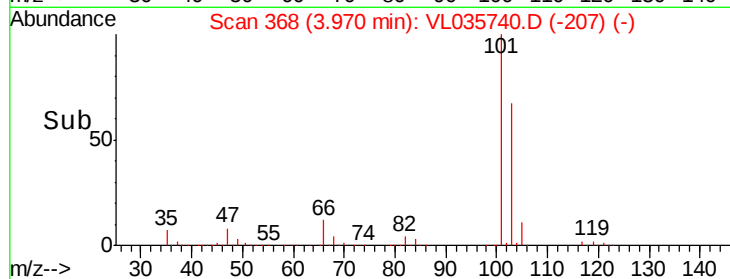
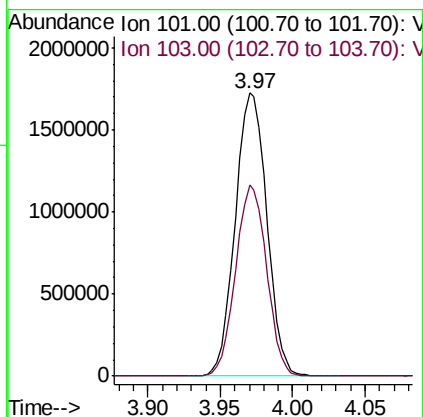
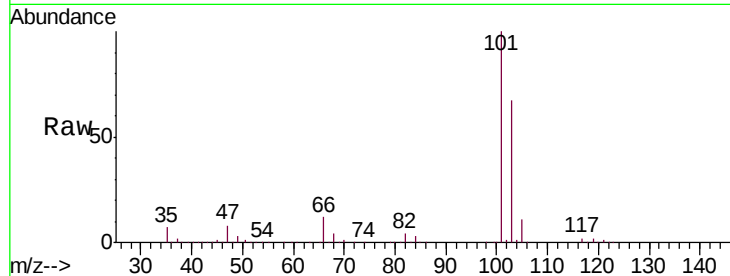




#11
 Trichlorofluoromethane
 Concen: 9.787 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

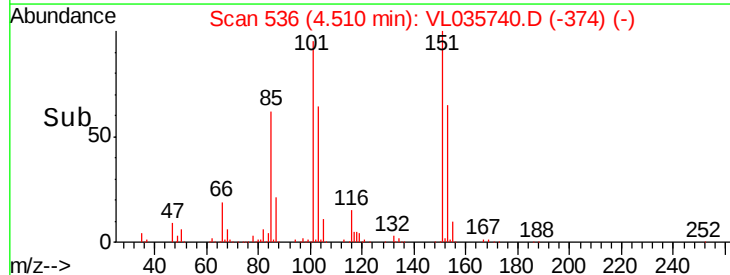
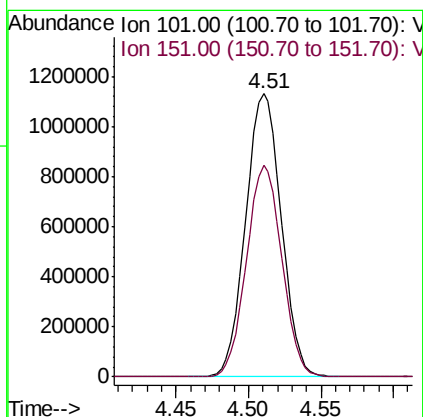
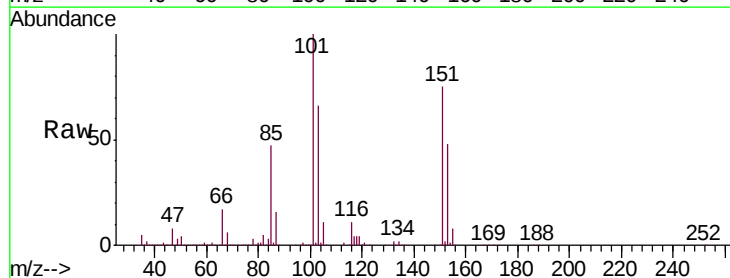
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

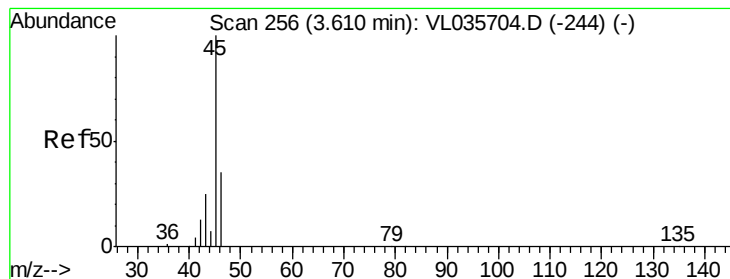
Tgt Ion:101 Resp: 2612413
 Ion Ratio Lower Upper
 101 100
 103 67.4 55.6 83.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.763 ppbv
 RT: 4.51 min Scan# 536
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion:101 Resp: 1942799
 Ion Ratio Lower Upper
 101 100
 151 74.4 59.1 88.7





#13

Ethanol

Concen: 5.858 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

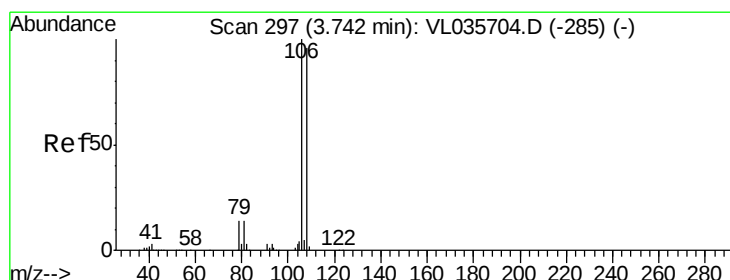
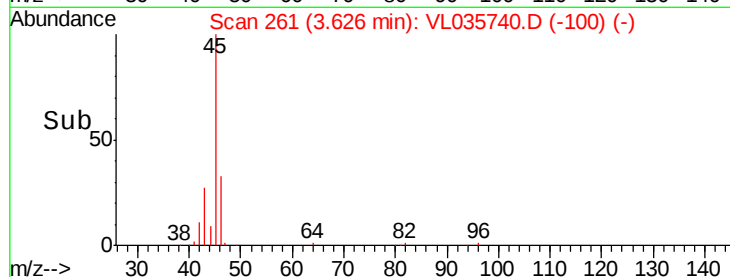
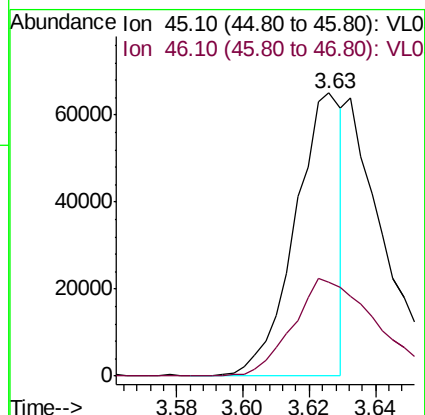
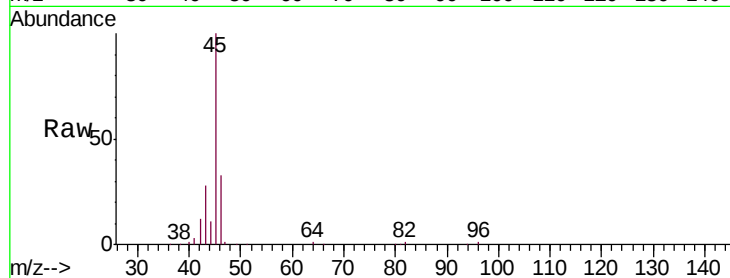
VSTDCCC010EC

Tgt Ion: 45 Resp: 64339

Ion Ratio Lower Upper

45 100

46 64.4 14.7 58.7#



#14

Bromoethene

Concen: 10.175 ppbv

RT: 3.76 min Scan# 302

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

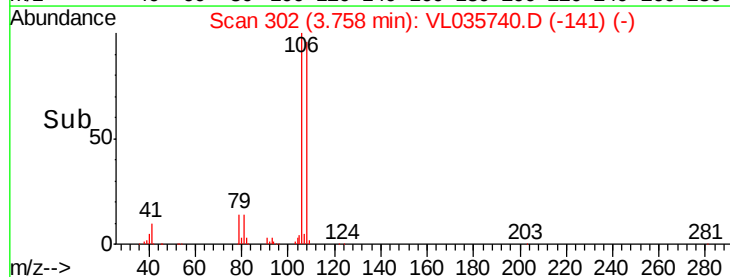
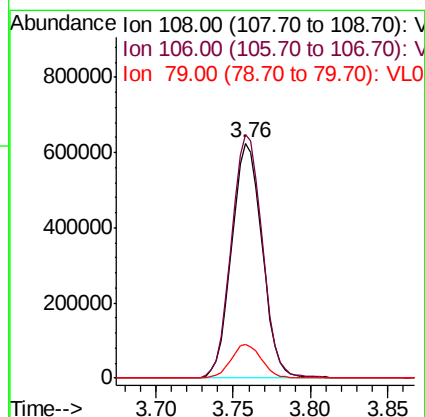
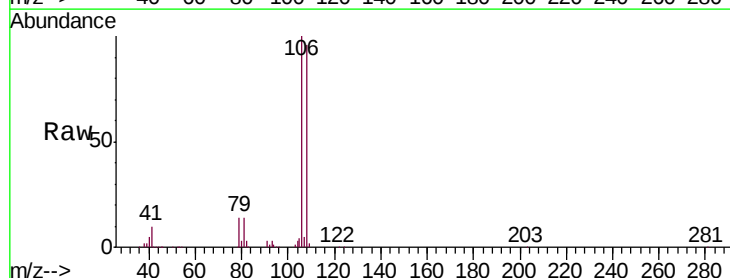
Tgt Ion: 108 Resp: 852886

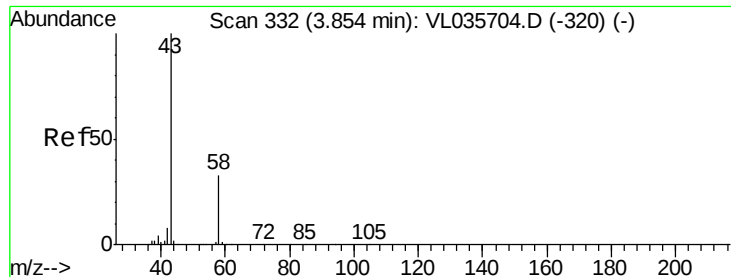
Ion Ratio Lower Upper

108 100

106 105.2 84.6 126.8

79 14.7 11.6 17.4





#15

Acetone

Concen: 8.924 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

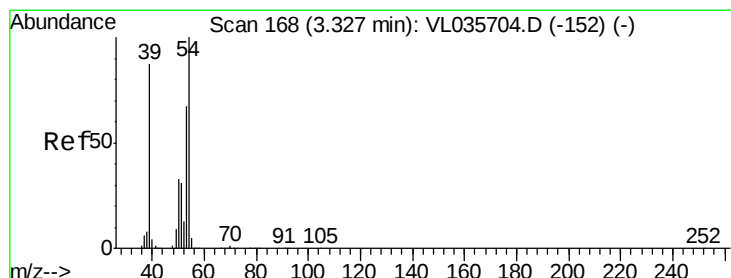
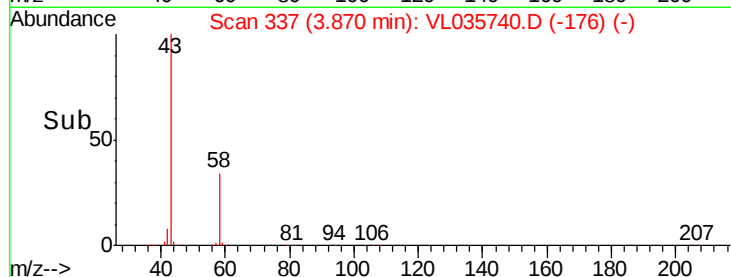
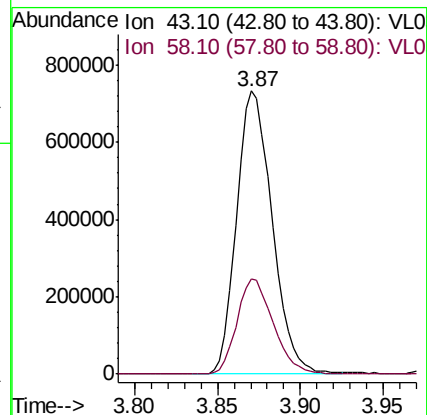
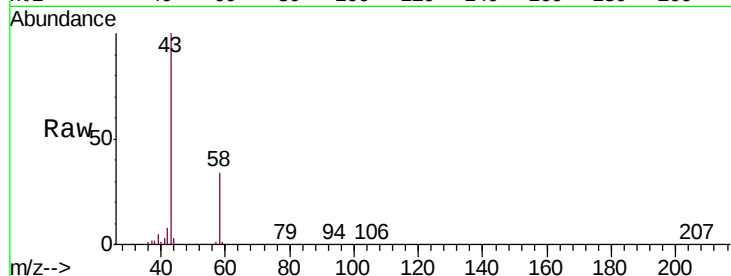
VSTDCCC010EC

Tgt Ion: 43 Resp: 1094835

Ion Ratio Lower Upper

43 100

58 34.5 27.3 40.9



#16

1,3-Butadiene

Concen: 10.930 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.02 min

Lab File: VL035740.D

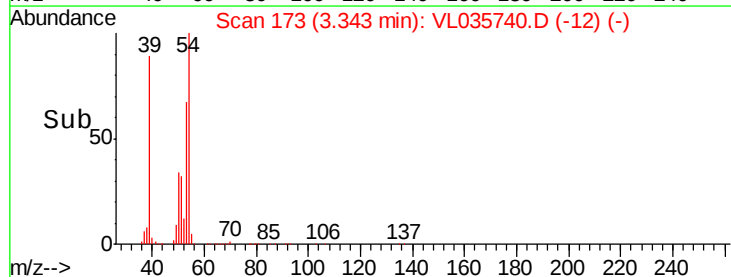
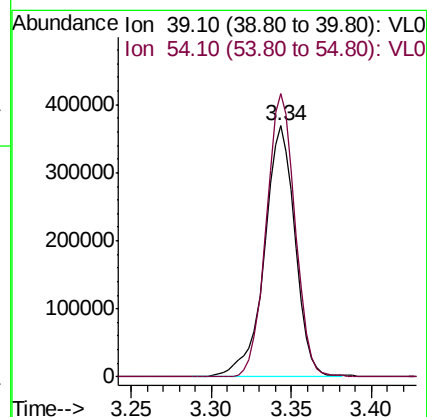
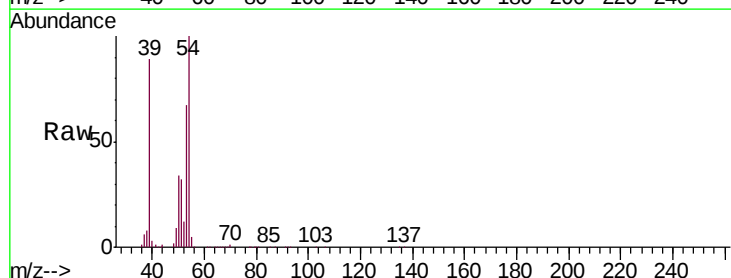
Acq: 30 Sep 2020 1:31

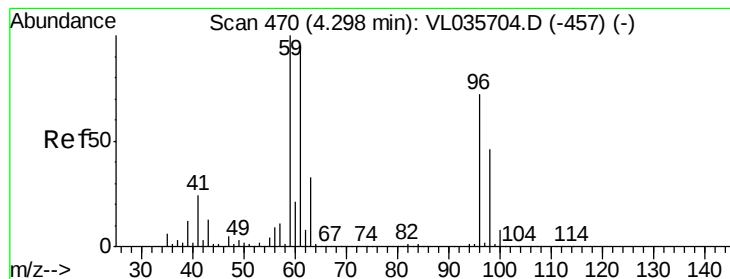
Tgt Ion: 39 Resp: 490586

Ion Ratio Lower Upper

39 100

54 106.4 87.4 131.0





#17

tert-Butyl alcohol

Concen: 10.539 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

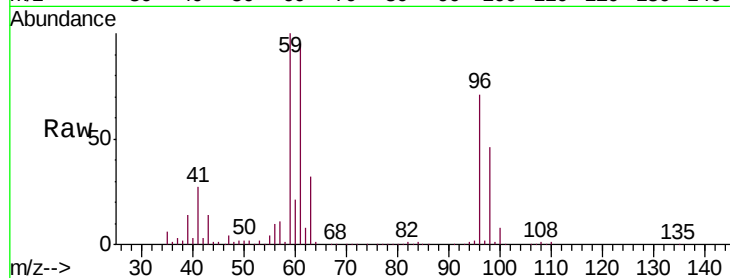
VSTDCCC010EC

Tgt Ion: 59 Resp: 1408458

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.32

800000

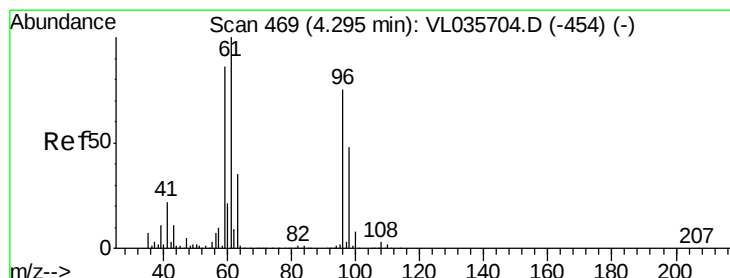
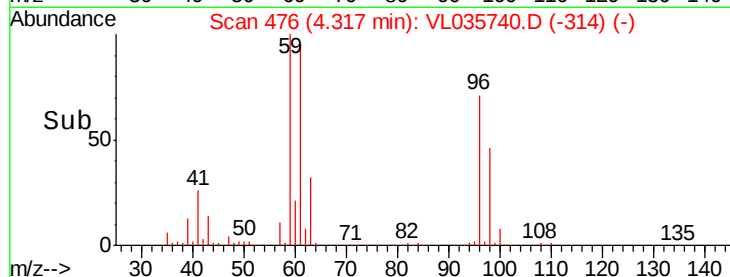
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.265 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

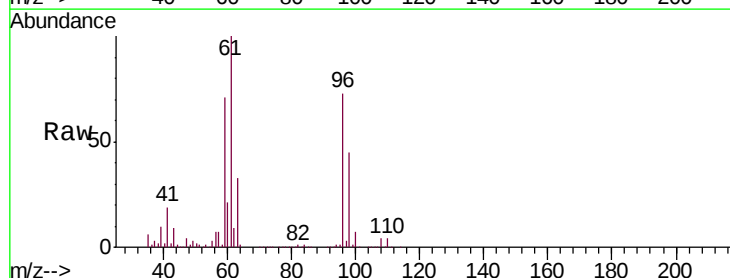
Tgt Ion: 96 Resp: 894303

Ion Ratio Lower Upper

96 100

61 137.3 106.7 160.1

98 62.0 50.8 76.2



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

1000000

800000

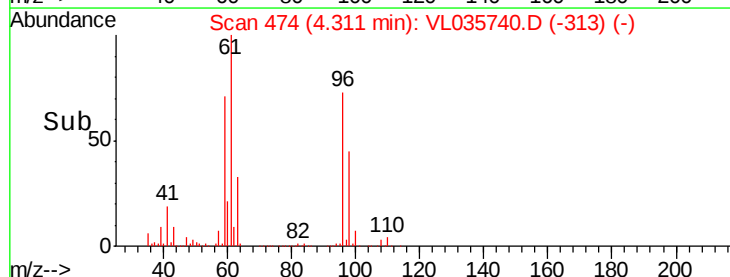
600000

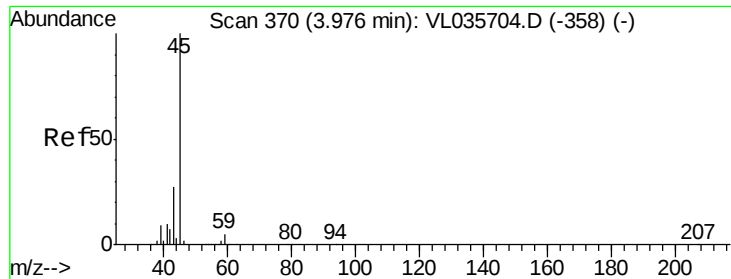
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 11.084 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

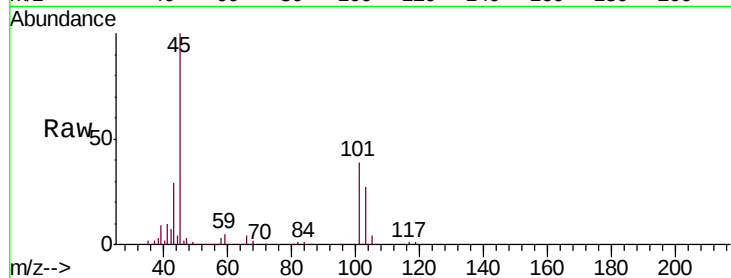
VSTDCCC010EC

Tgt Ion: 45 Resp: 739734

Ion Ratio Lower Upper

45 100

58 3.6 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.99

400000

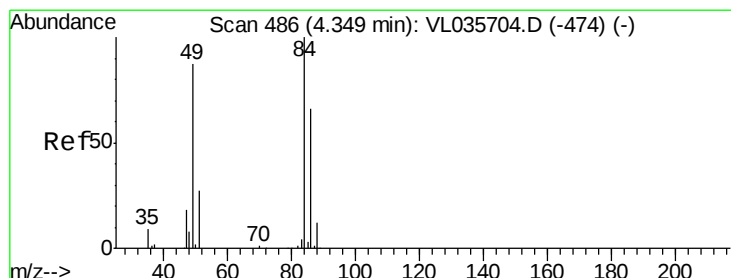
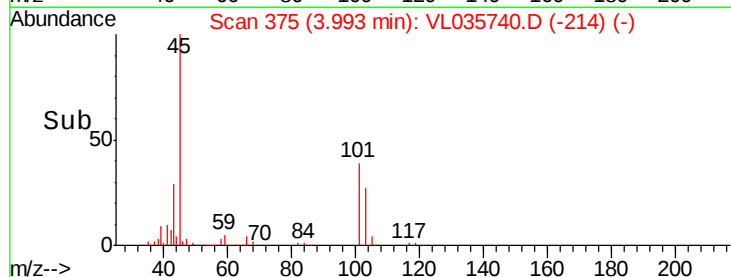
300000

200000

100000

0

Time--> 3.90 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 8.303 ppbv

RT: 4.37 min Scan# 492

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tgt Ion: 84 Resp: 748257

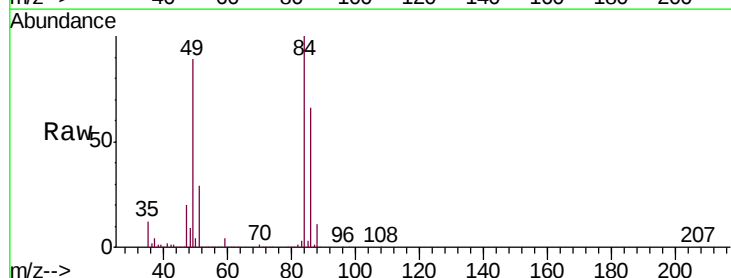
Ion Ratio Lower Upper

84 100

49 88.5 69.8 104.6

51 29.0 21.8 32.8

86 66.2 52.6 78.8



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

4.37

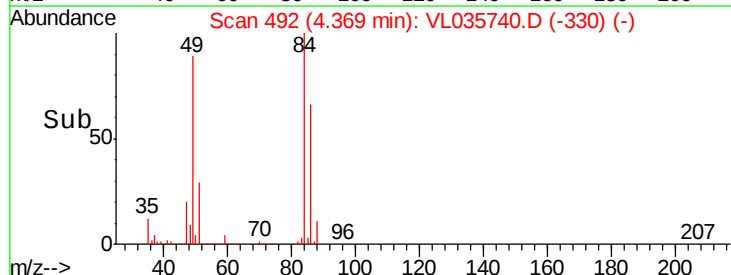
600000

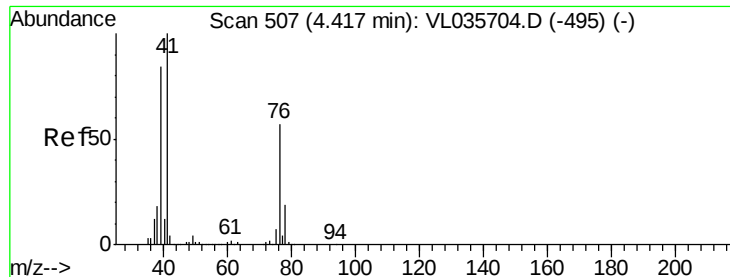
400000

200000

0

Time--> 4.30 4.35 4.40





#21

Allyl Chloride

Concen: 10.546 ppbv

RT: 4.44 min Scan# 513

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

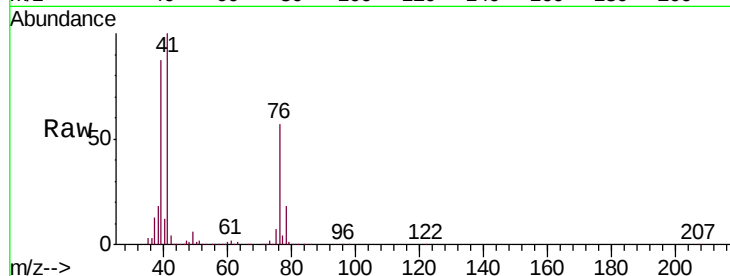
Tgt Ion: 41 Resp: 627143

Ion Ratio Lower Upper

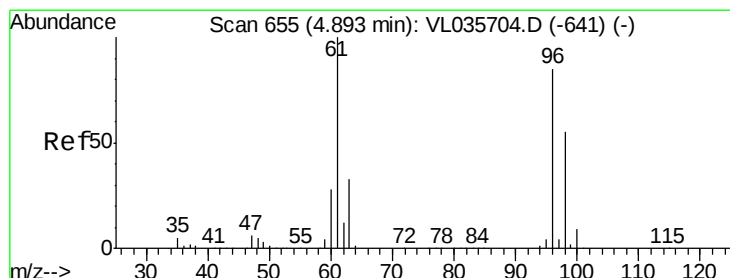
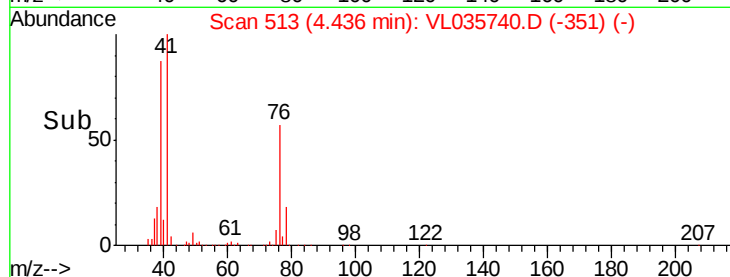
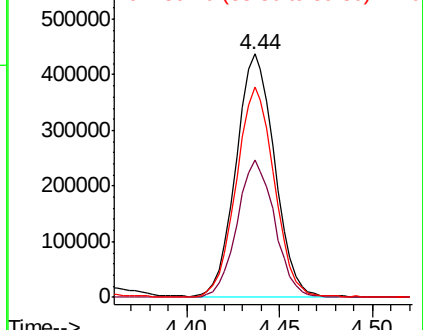
41 100

76 55.6 44.8 67.2

39 86.6 68.4 102.6



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: 10.230 ppbv

RT: 4.91 min Scan# 661

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

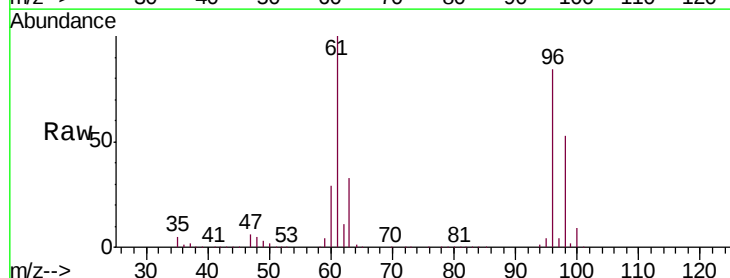
Tgt Ion: 96 Resp: 941581

Ion Ratio Lower Upper

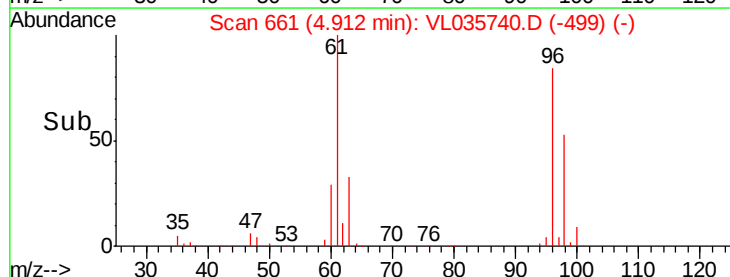
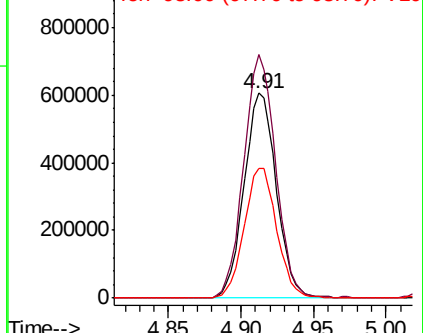
96 100

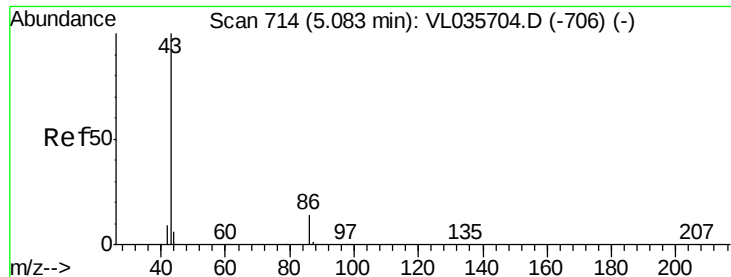
61 118.8 93.7 140.5

98 63.3 51.2 76.8



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: 10.918 ppbv

RT: 5.11 min Scan# 721

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1640678

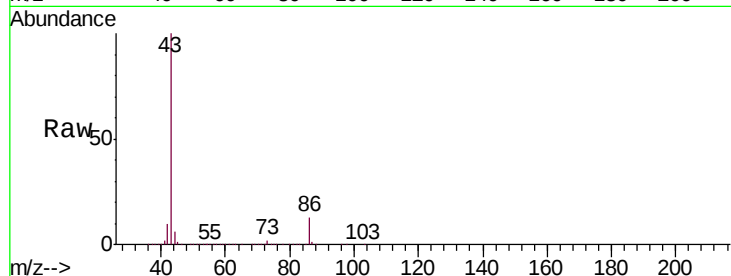
Ion Ratio Lower Upper

43 100

86 13.1 9.7 14.5

42 9.8 7.9 11.9

44 6.0 4.8 7.2

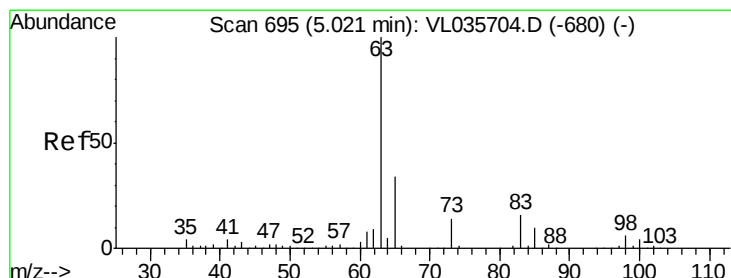
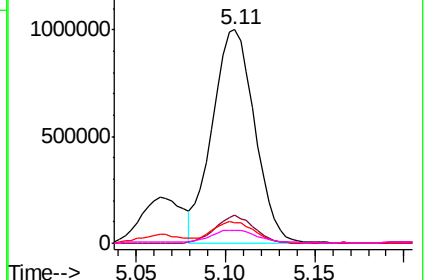
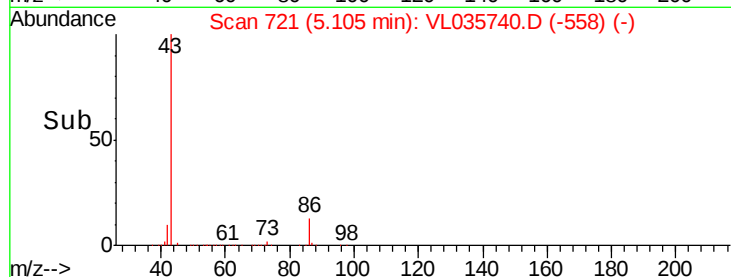


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.991 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

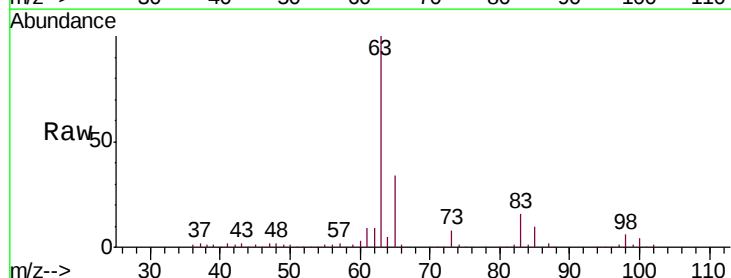
Tgt Ion: 63 Resp: 1635346

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.8

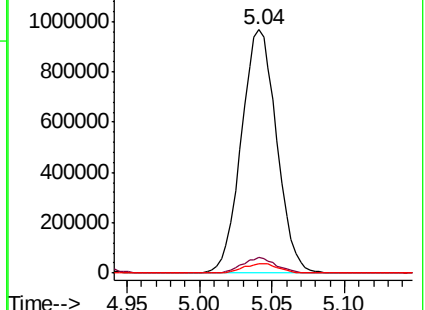
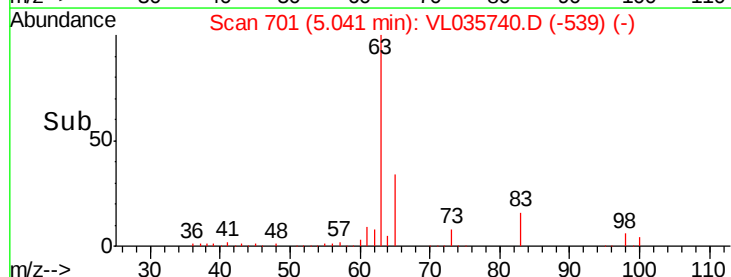
100 3.9 2.0 5.8

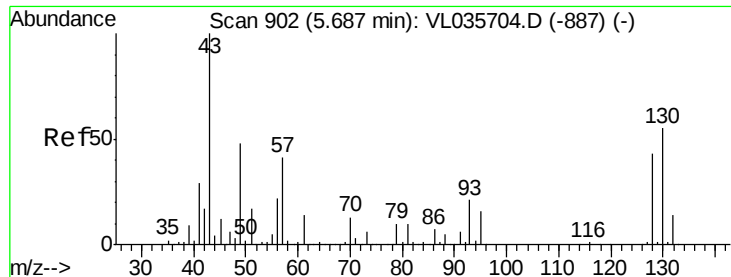


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

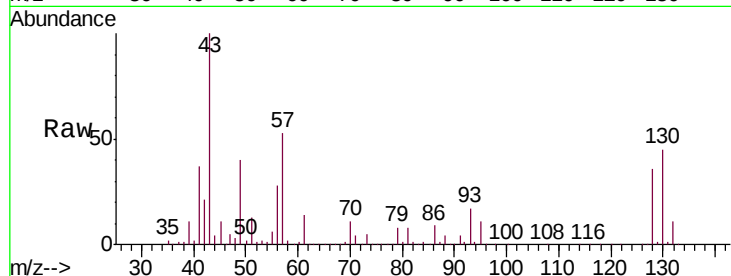




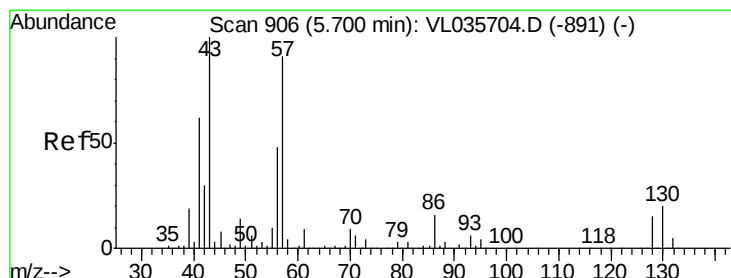
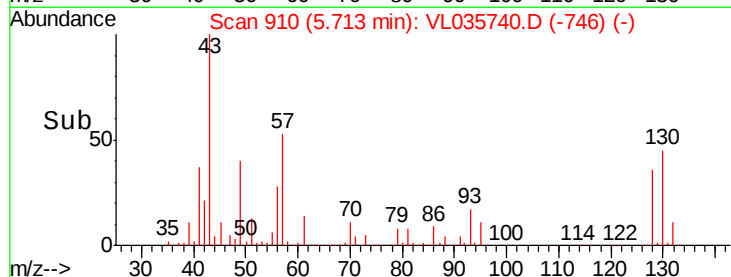
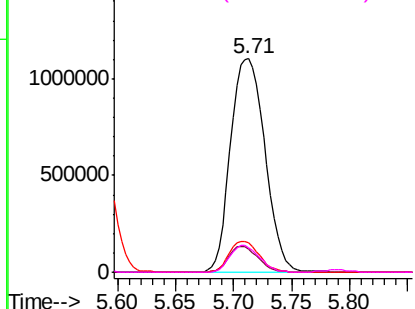
#25
Ethyl Acetate
Concen: 10.324 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2279145
Ion Ratio Lower Upper
43 100
45 10.5 8.6 12.8
61 12.7 10.4 15.6
70 10.8 8.9 13.3

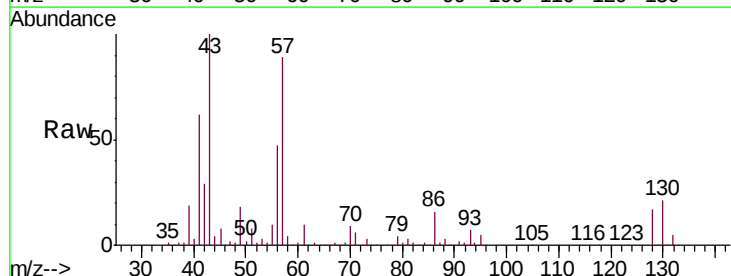


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

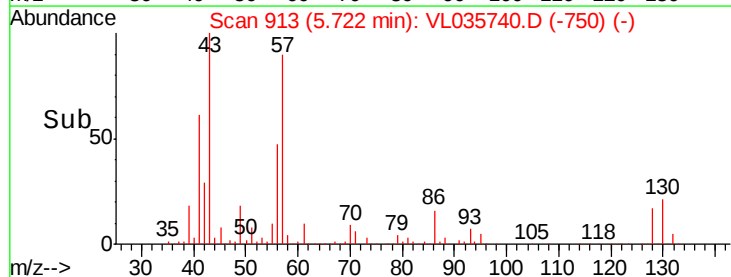
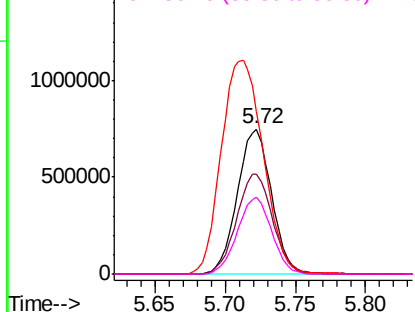


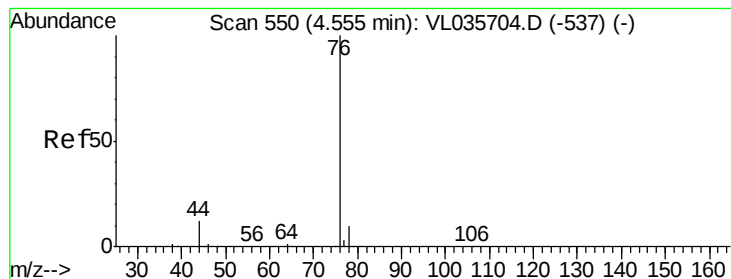
#26
Hexane
Concen: 10.464 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.02 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 57 Resp: 1265793
Ion Ratio Lower Upper
57 100
41 73.6 57.9 86.9
43 180.5 143.8 215.6
56 53.3 43.0 64.6



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: 10.919 ppbv

RT: 4.57 min Scan# 556

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

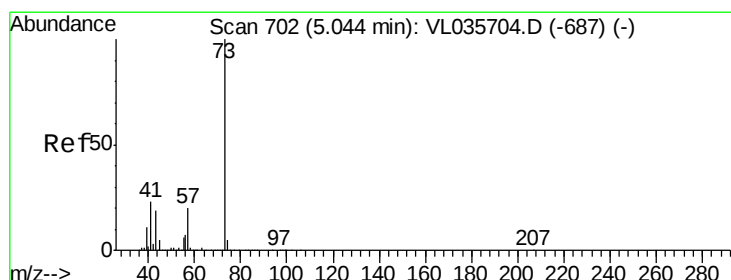
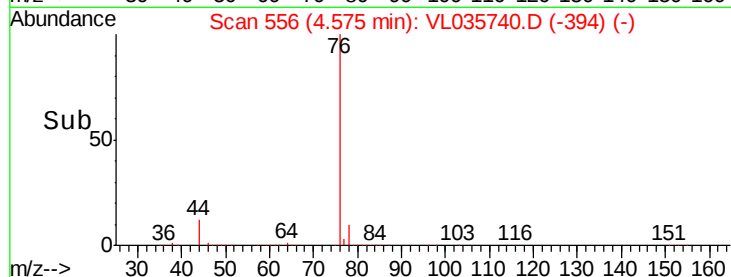
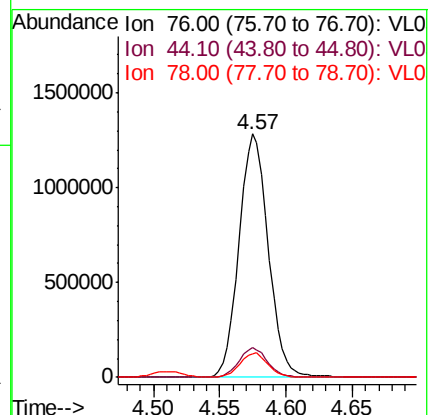
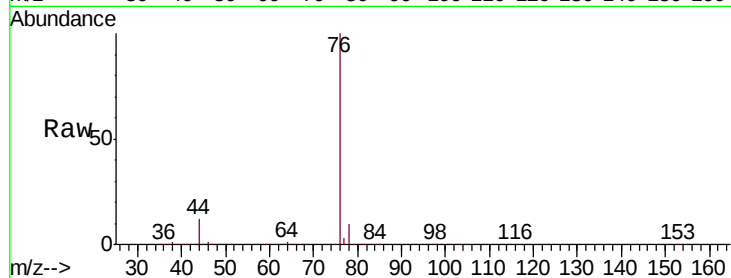
Tgt Ion: 76 Resp: 1968739

Ion Ratio Lower Upper

76 100

44 11.7 9.7 14.5

78 9.6 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 10.448 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.02 min

Lab File: VL035740.D

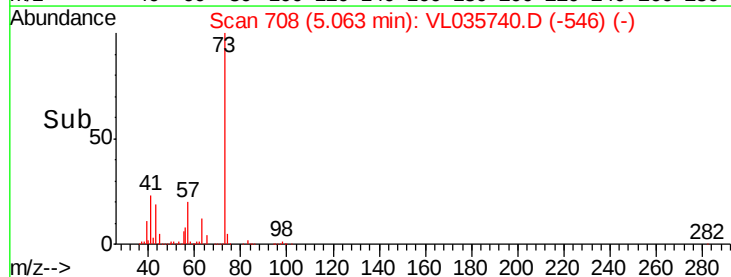
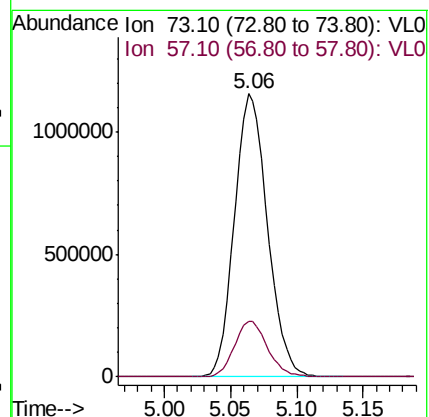
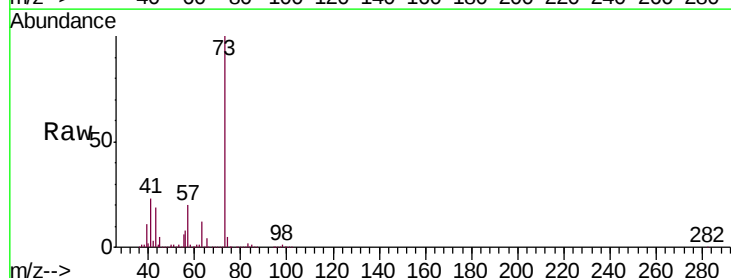
Acq: 30 Sep 2020 1:31

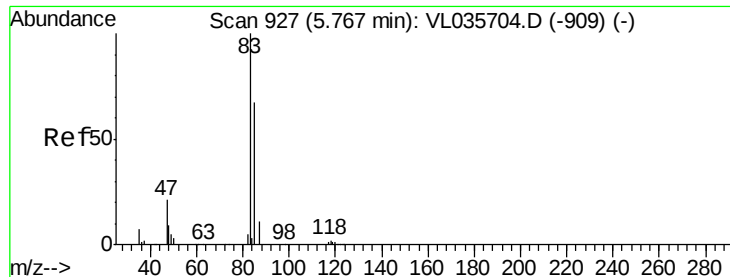
Tgt Ion: 73 Resp: 2003468

Ion Ratio Lower Upper

73 100

57 19.8 15.6 23.4





#29

Chloroform

Concen: 9.951 ppbv

RT: 5.79 min Scan# 934

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

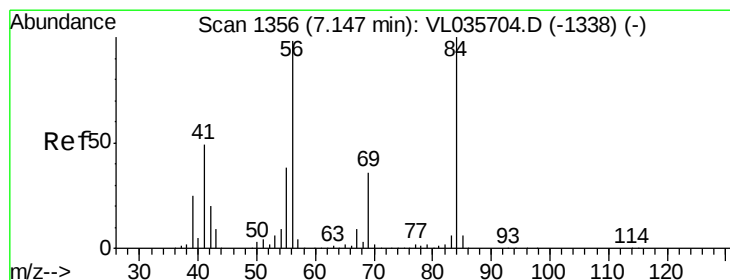
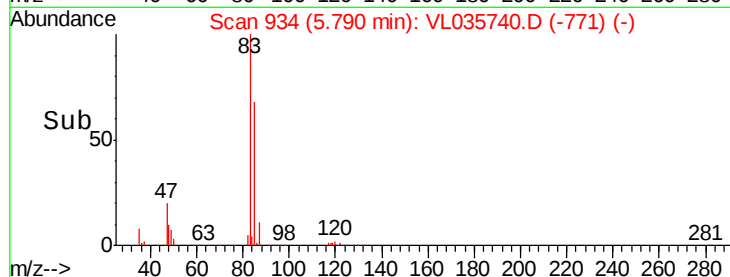
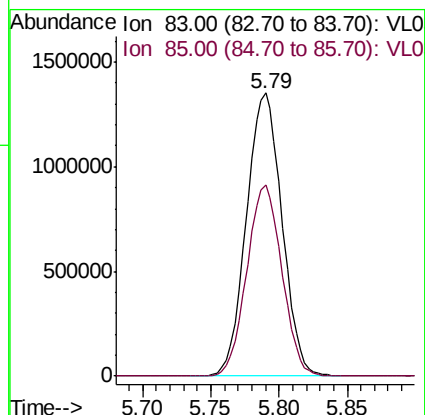
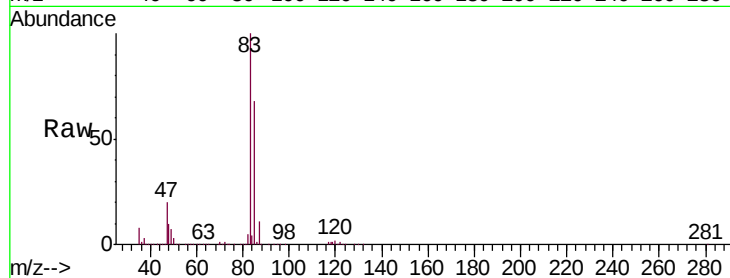
VSTDCCC010EC

Tgt Ion: 83 Resp: 2444553

Ion Ratio Lower Upper

83 100

85 67.4 54.0 81.0



#30

Cyclohexane

Concen: 11.296 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

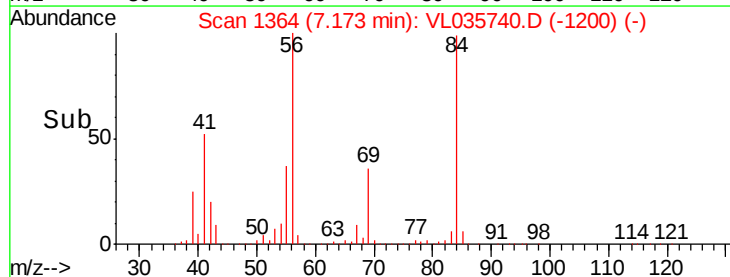
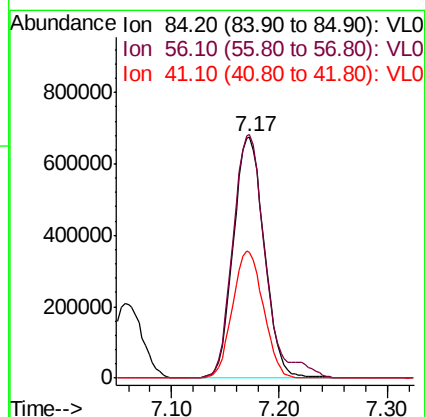
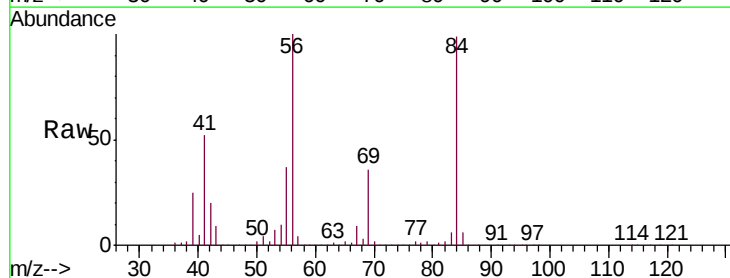
Tgt Ion: 84 Resp: 1348230

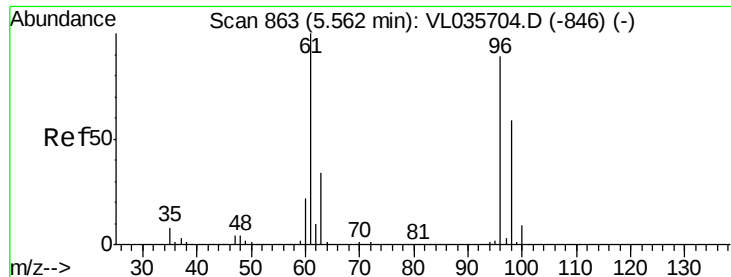
Ion Ratio Lower Upper

84 100

56 106.4 84.6 127.0

41 52.7 41.1 61.7



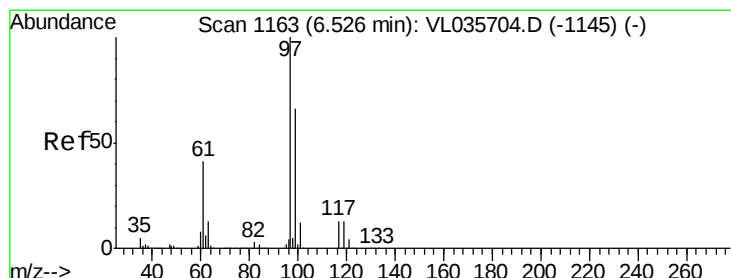
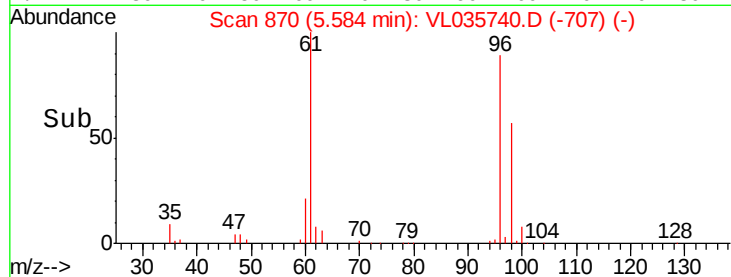
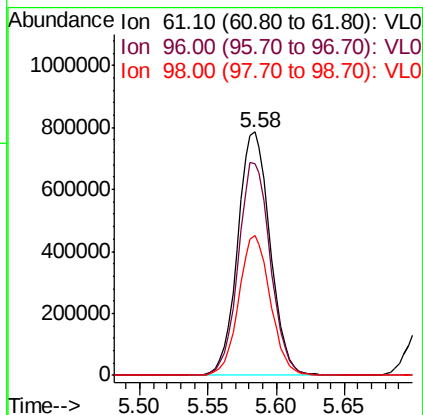
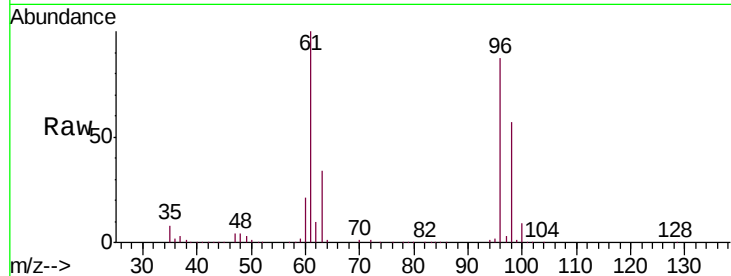


#31

cis-1,2-Dichloroethene
 Concen: 11.111 ppbv
 RT: 5.58 min Scan# 870
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

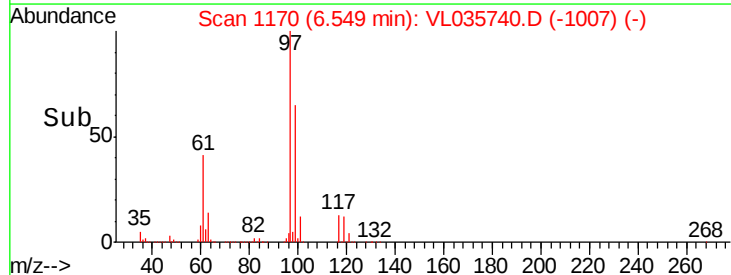
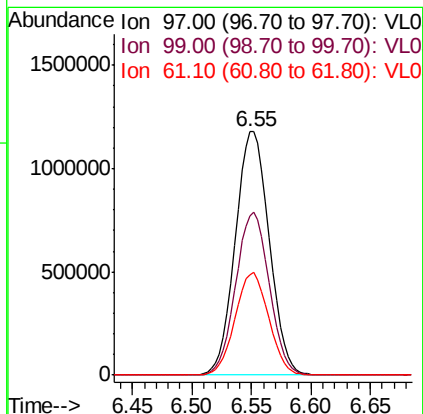
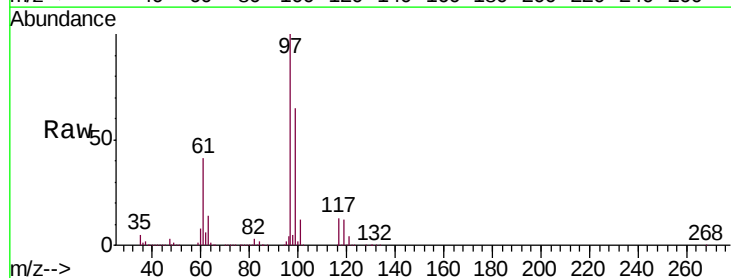
Tgt Ion: 61 Resp: 1297459
 Ion Ratio Lower Upper
 61 100
 96 86.8 71.4 107.2
 98 57.5 47.4 71.2

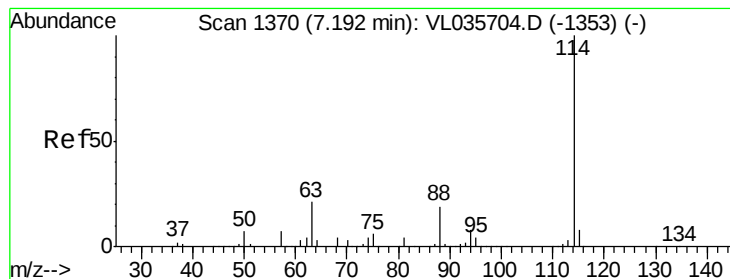


#32

1,1,1-Trichloroethane
 Concen: 10.788 ppbv
 RT: 6.55 min Scan# 1170
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 97 Resp: 2336227
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.7 79.1
 61 41.8 32.7 49.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1378

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

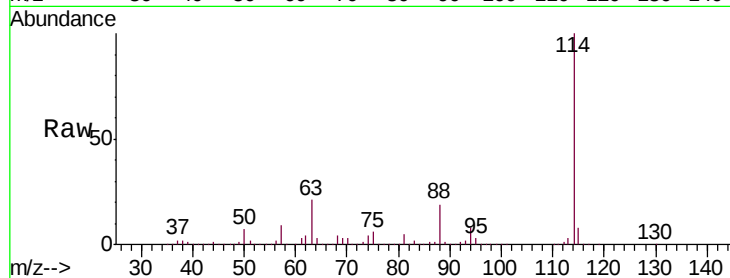
Tgt Ion:114 Resp: 4267430

Ion Ratio Lower Upper

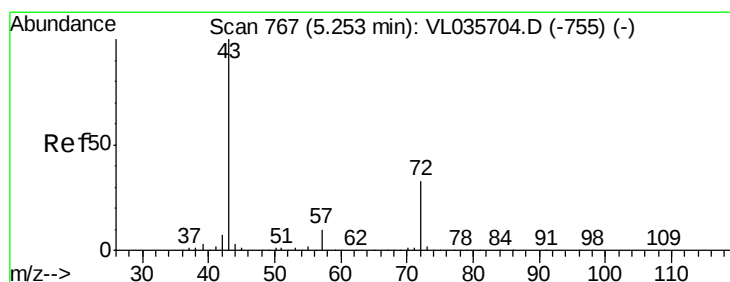
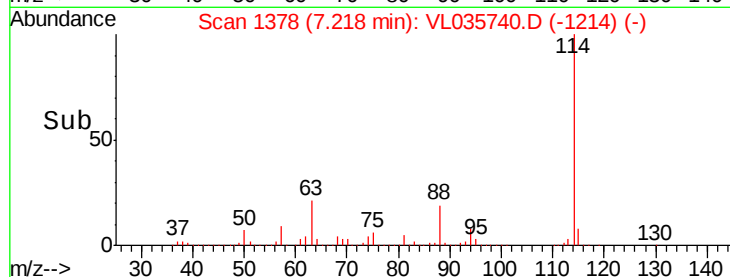
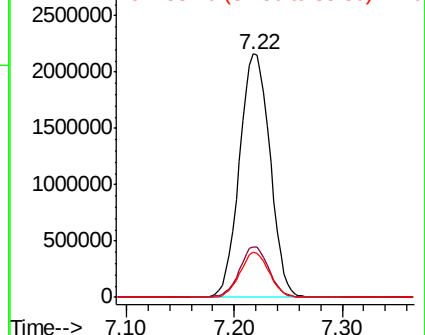
114 100

63 20.3 16.1 24.1

88 17.5 14.1 21.1



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: 10.914 ppbv

RT: 5.28 min Scan# 774

Delta R.T. 0.02 min

Lab File: VL035740.D

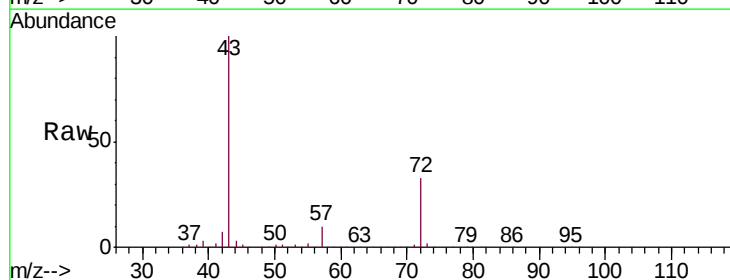
Acq: 30 Sep 2020 1:31

Tgt Ion: 43 Resp: 1540552

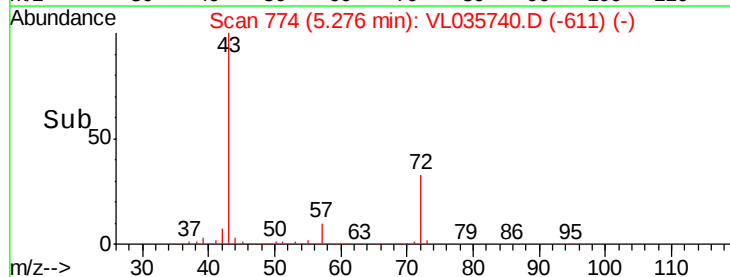
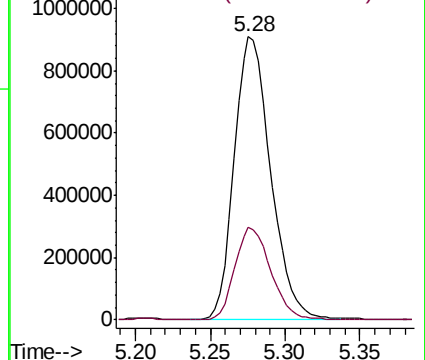
Ion Ratio Lower Upper

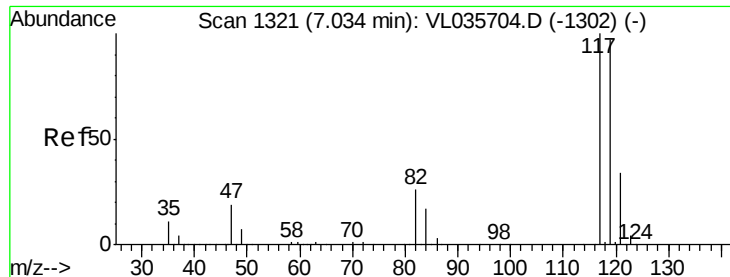
43 100

72 32.4 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.032 ppbv

RT: 7.06 min Scan# 1329

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

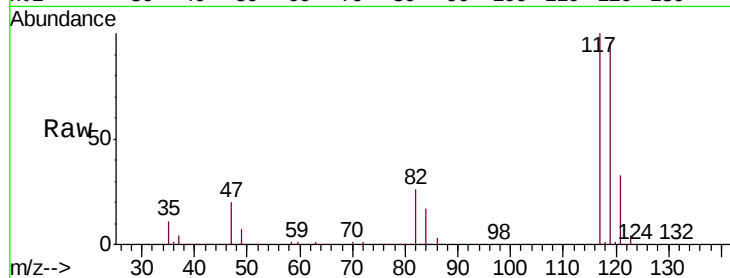
Tgt Ion:117 Resp: 2454555

Ion Ratio Lower Upper

117 100

119 96.3 77.7 116.5

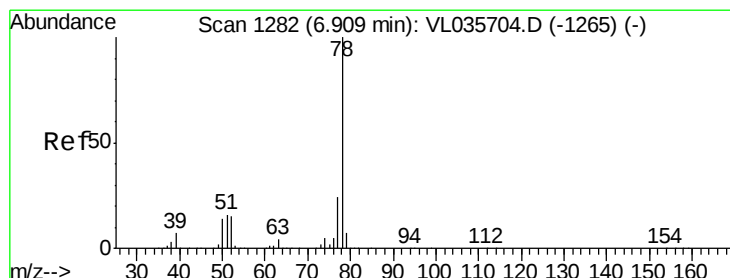
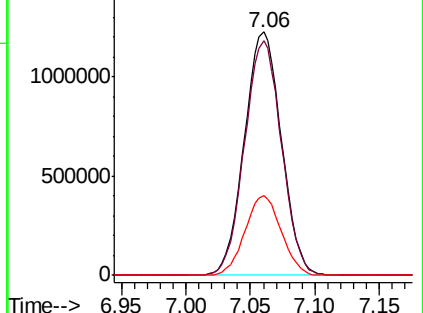
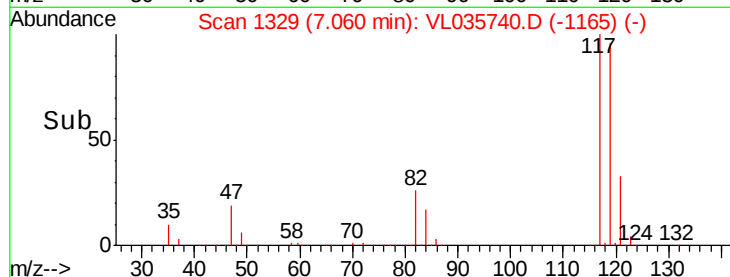
121 32.8 26.9 40.3



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: 11.012 ppbv

RT: 6.93 min Scan# 1289

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

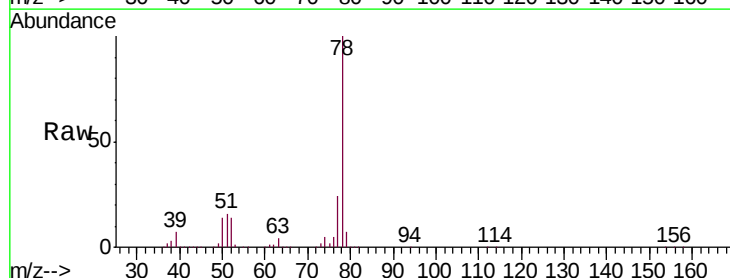
Tgt Ion: 78 Resp: 3061933

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

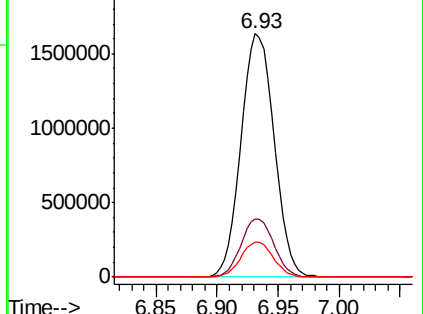
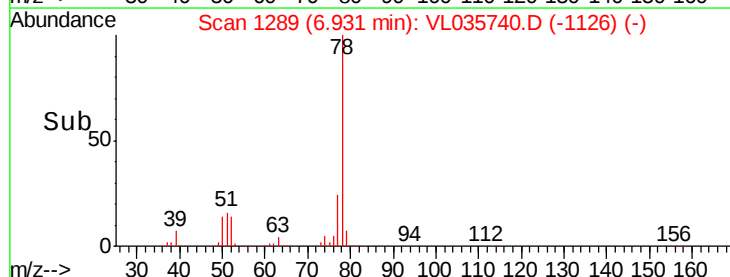
50 14.3 11.6 17.4

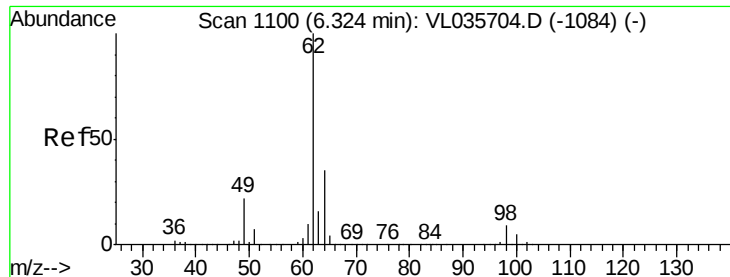


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

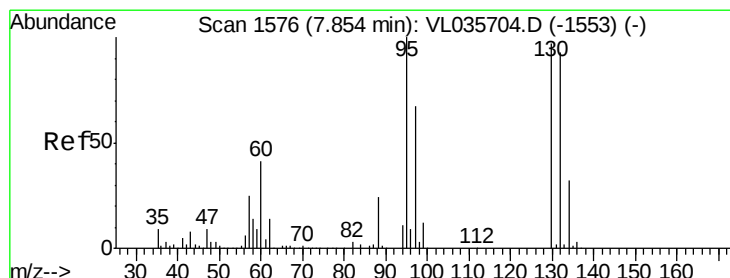
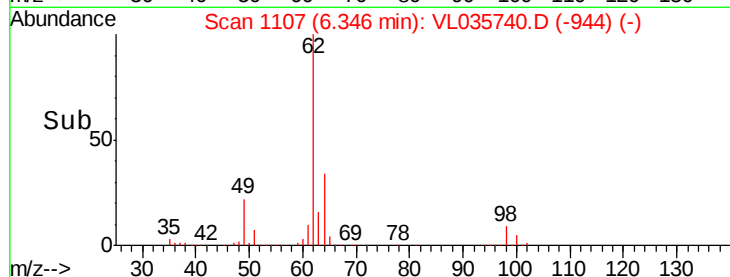
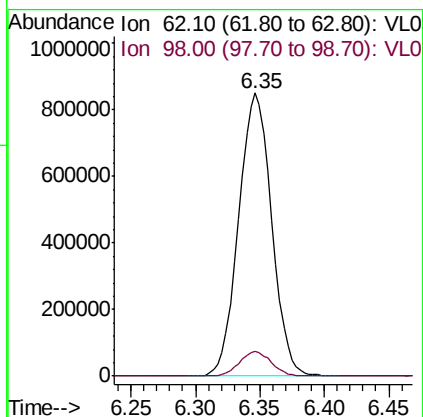
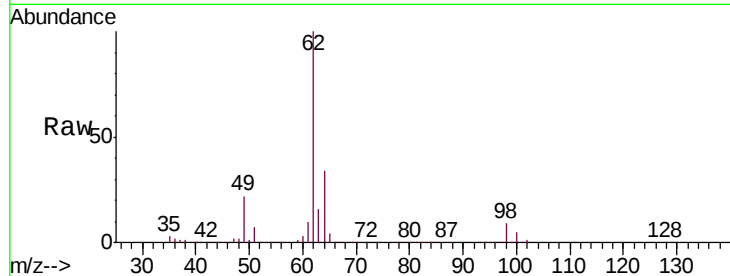




#37
 1,2-Dichloroethane
 Concen: 10.457 ppbv
 RT: 6.35 min Scan# 1107
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

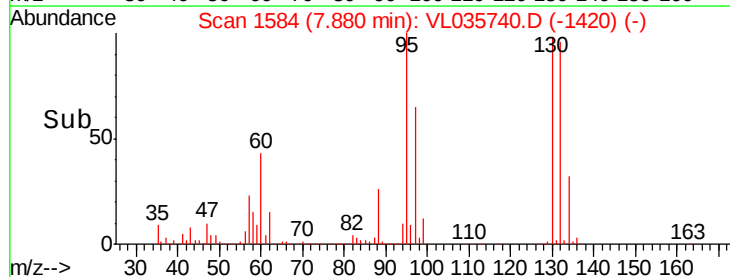
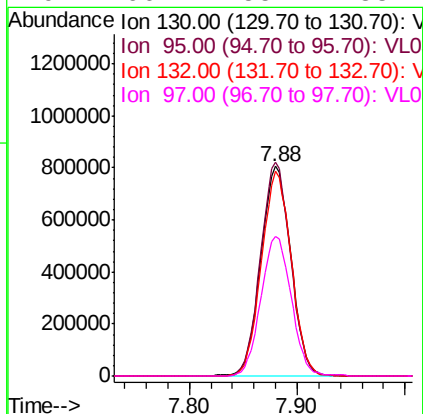
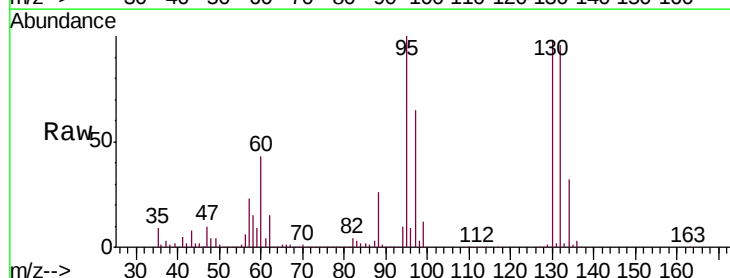
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

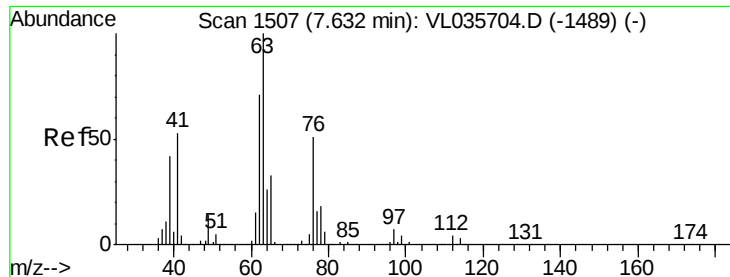
Tgt Ion: 62 Resp: 1515474
 Ion Ratio Lower Upper
 62 100
 98 8.5 6.9 10.3



#38
 Trichloroethene
 Concen: 11.262 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 130 Resp: 1562141
 Ion Ratio Lower Upper
 130 100
 95 101.8 82.4 123.6
 132 97.9 76.8 115.2
 97 66.7 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.712 ppbv

RT: 7.66 min Scan# 1515

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

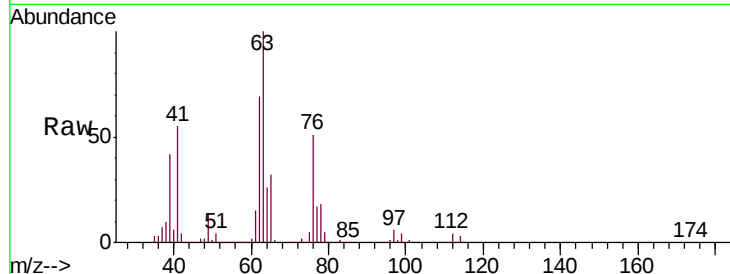
Tgt Ion: 63 Resp: 1079621

Ion Ratio Lower Upper

63 100

41 55.2 42.6 63.8

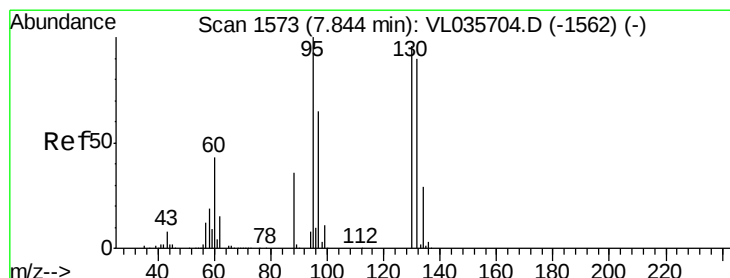
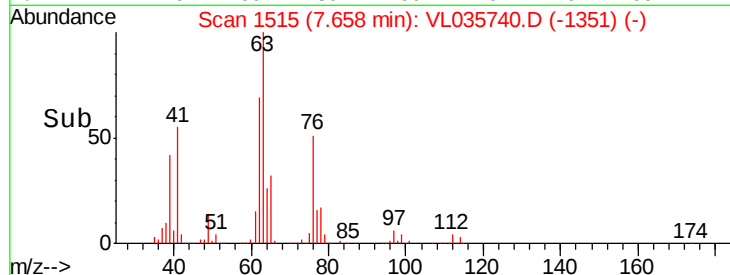
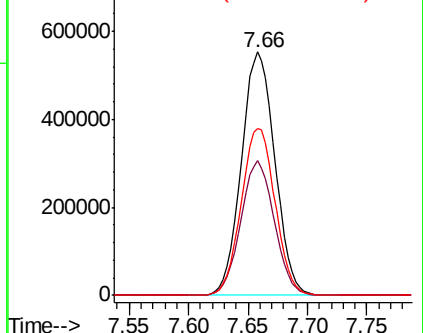
62 68.5 56.5 84.7



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: 11.694 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tgt Ion: 88 Resp: 538987

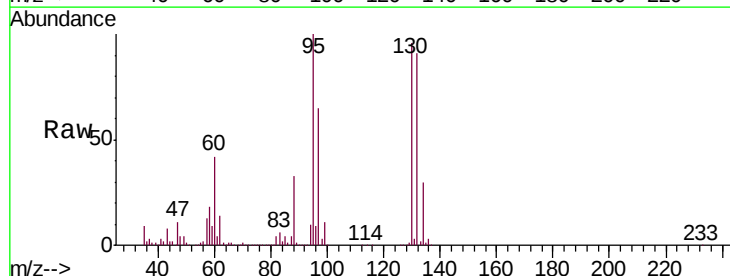
Ion Ratio Lower Upper

88 100

58 95.7 76.2 114.4

43 152.9 123.4 185.2

57 797.2 652.5 978.7

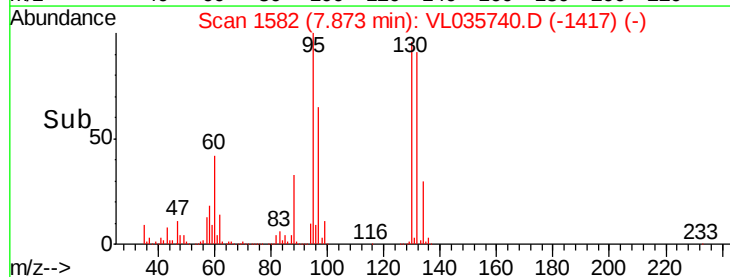
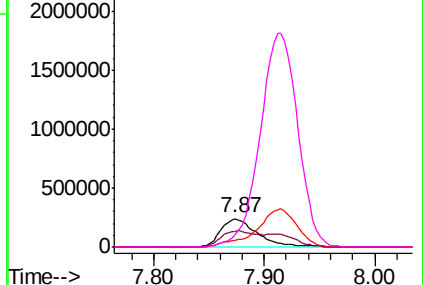


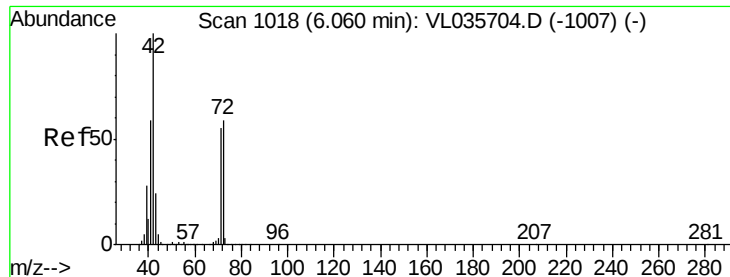
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 12.196 ppbv

RT: 6.08 min Scan# 1025

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

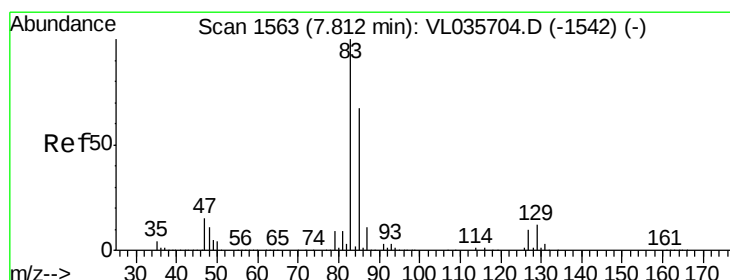
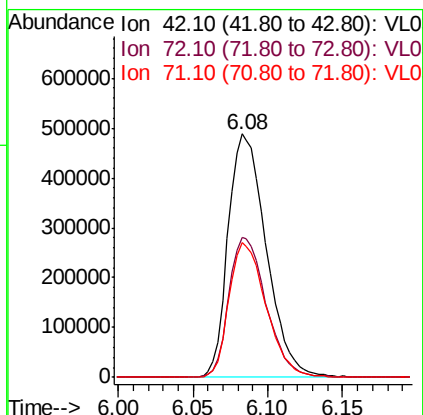
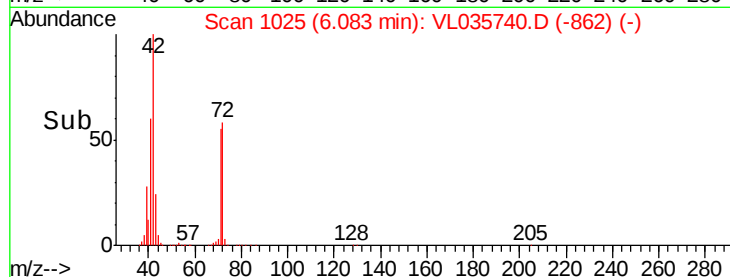
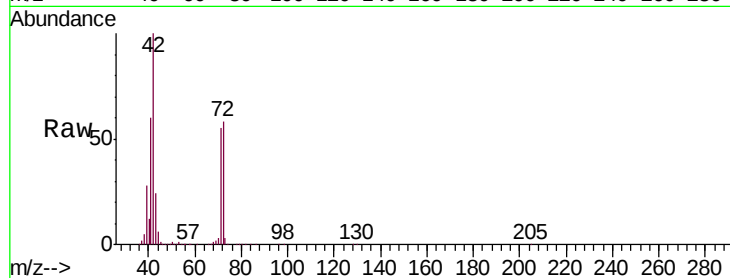
Tgt Ion: 42 Resp: 867222

Ion Ratio Lower Upper

42 100

72 56.3 46.2 69.4

71 54.1 44.2 66.4



#42

Bromodichloromethane

Concen: 10.923 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

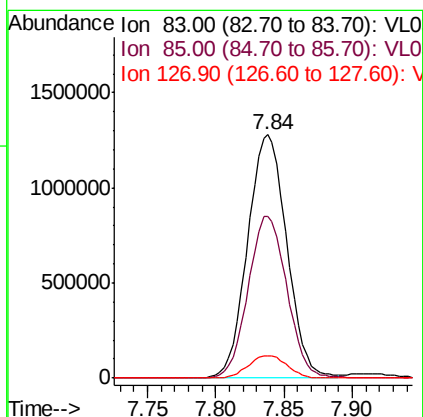
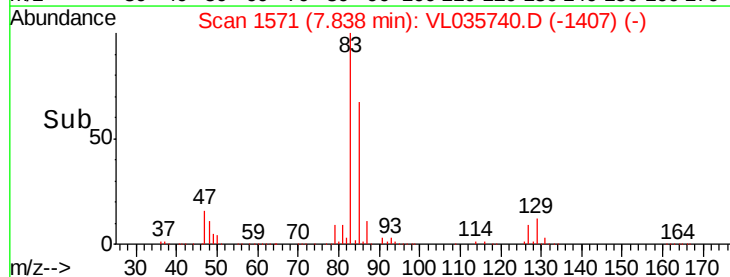
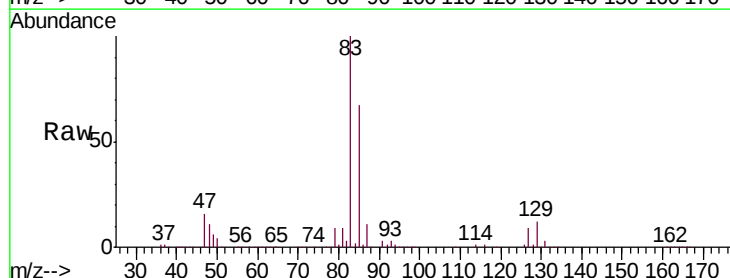
Tgt Ion: 83 Resp: 2550136

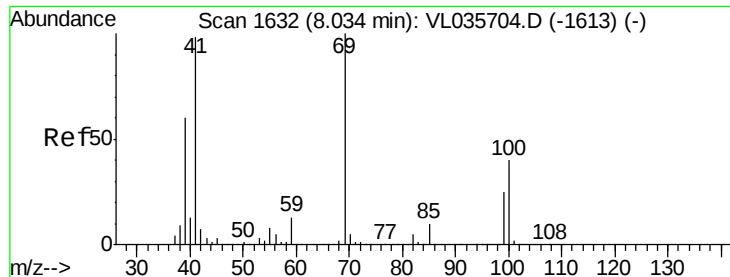
Ion Ratio Lower Upper

83 100

85 66.6 53.4 80.0

127 9.3 7.8 11.6

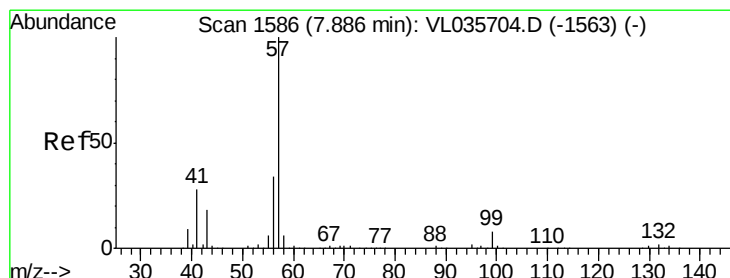
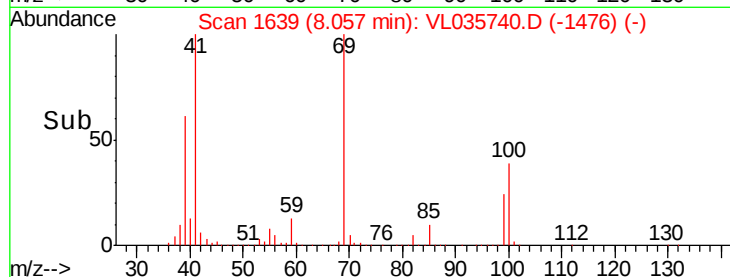
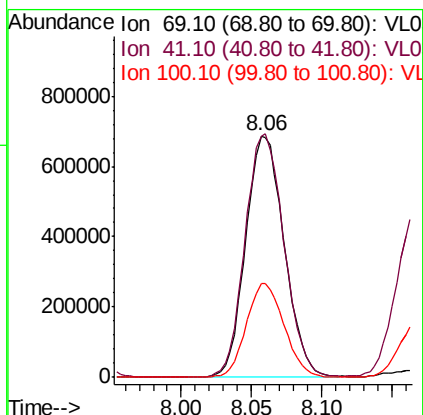
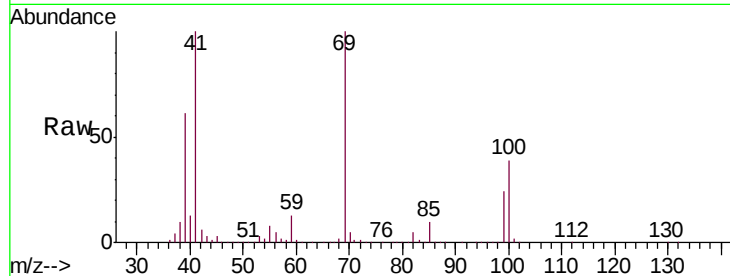




#43
Methyl Methacrylate
Concen: 11.904 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

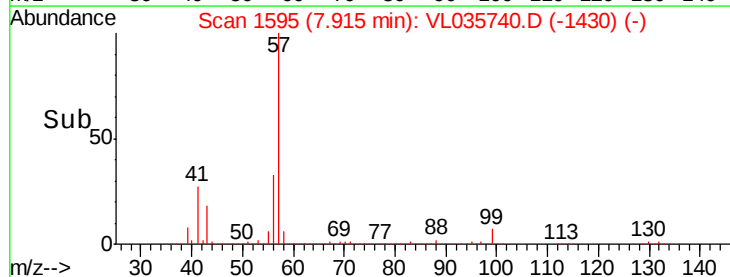
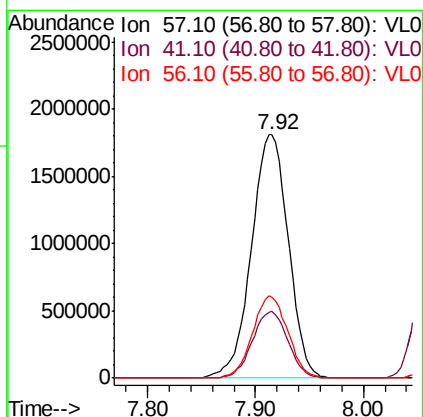
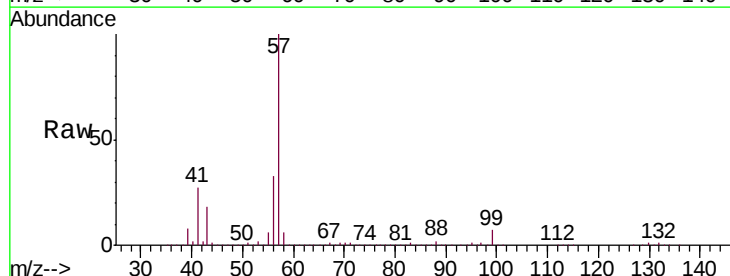
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

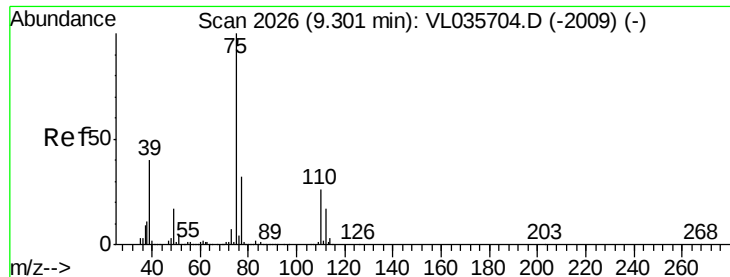
Tgt Ion: 69 Resp: 1316514
Ion Ratio Lower Upper
69 100
41 102.2 79.8 119.6
100 38.0 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 10.760 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 57 Resp: 4293331
Ion Ratio Lower Upper
57 100
41 26.6 21.2 31.8
56 32.1 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 13.178 ppbv

RT: 9.33 min Scan# 2035

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

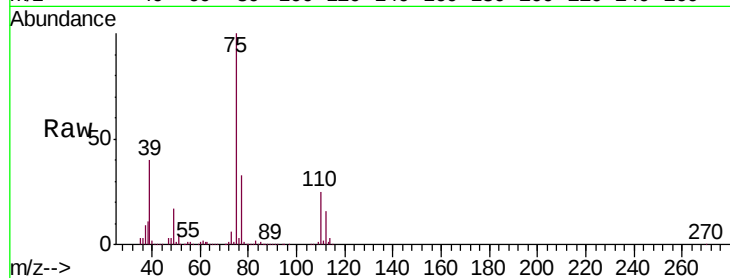
VSTDCCC010EC

Tgt Ion: 75 Resp: 1471418

Ion Ratio Lower Upper

75 100

77 32.7 25.9 38.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

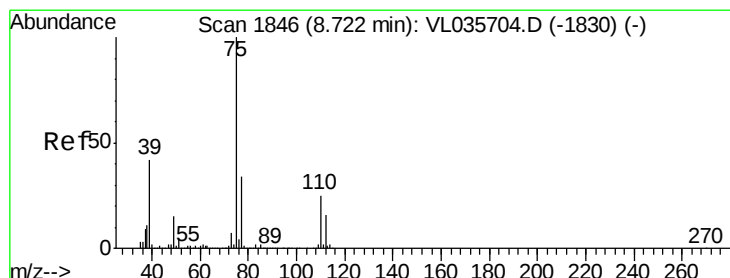
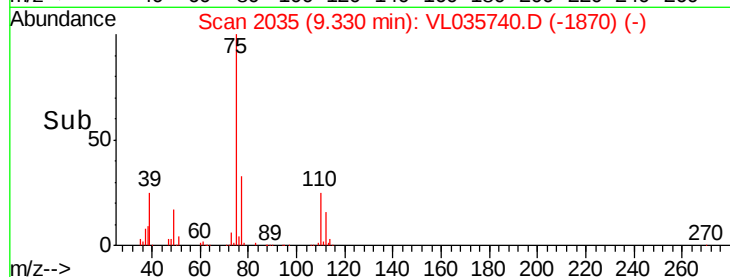
400000

200000

0

9.25 9.30 9.35 9.40

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.710 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

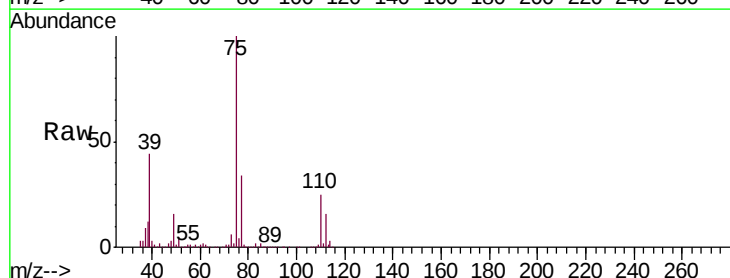
Tgt Ion: 75 Resp: 1749355

Ion Ratio Lower Upper

75 100

39 43.8 33.9 50.9

77 33.8 27.4 41.0



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

1200000

1000000

800000

600000

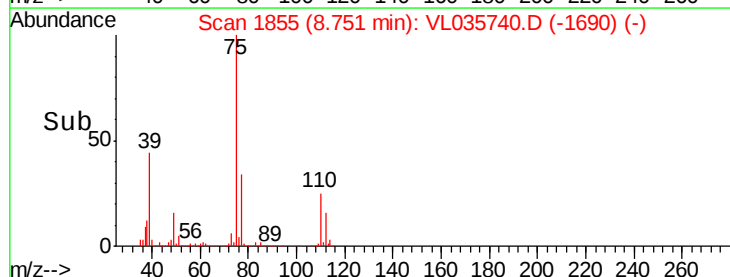
400000

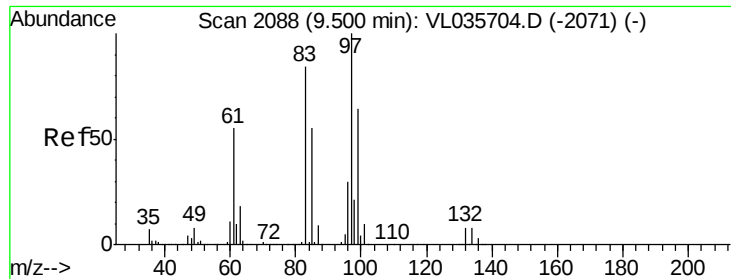
200000

0

8.70 8.75 8.80

Time-->

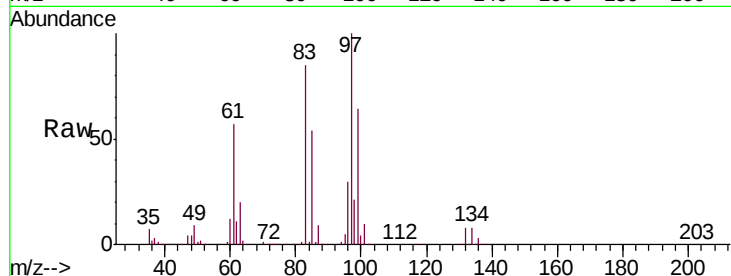




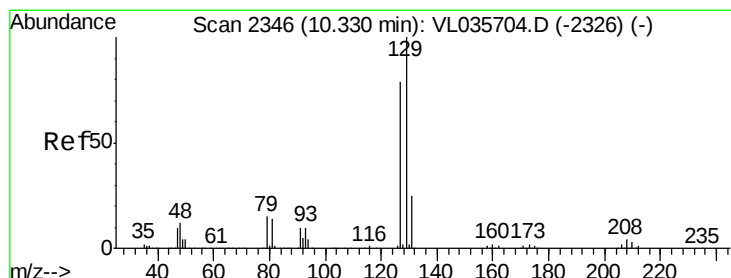
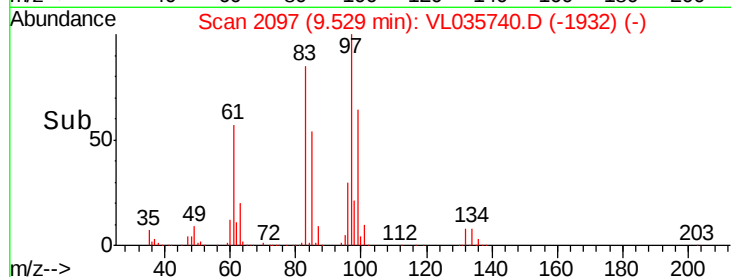
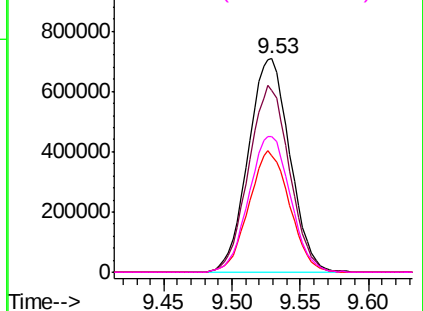
#47
 1,1,2-Trichloroethane
 Concen: 10.400 ppbv
 RT: 9.53 min Scan# 2097
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1501335
 Ion Ratio Lower Upper
 97 100
 83 85.4 67.1 100.7
 85 54.3 43.9 65.9
 99 63.6 51.3 76.9

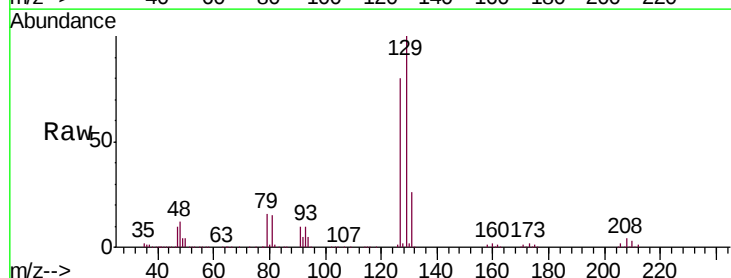


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

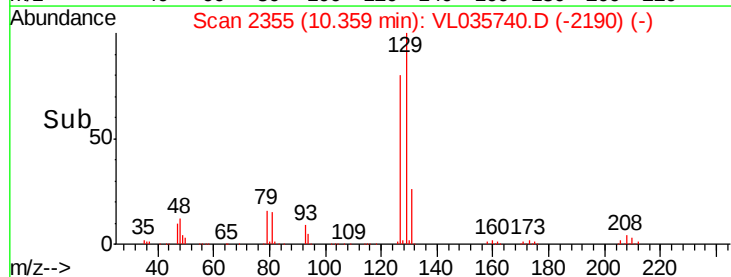
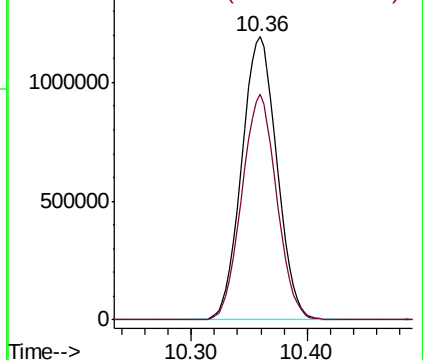


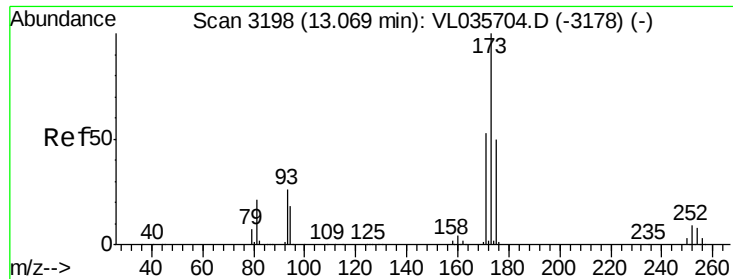
#48
 Dibromochloromethane
 Concen: 11.496 ppbv
 RT: 10.36 min Scan# 2355
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 129 Resp: 2525803
 Ion Ratio Lower Upper
 129 100
 127 78.8 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.951 ppbv

RT: 13.10 min Scan# 3208

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

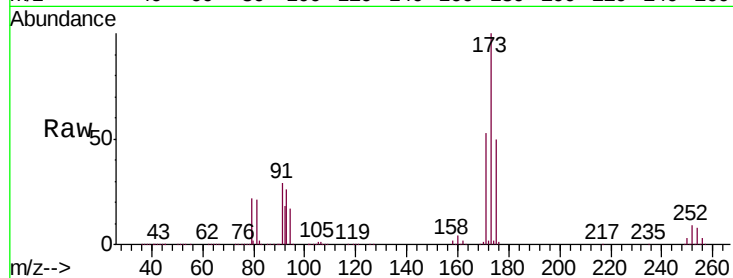
Tgt Ion:173 Resp: 2228050

Ion Ratio Lower Upper

173 100

175 49.9 39.8 59.6

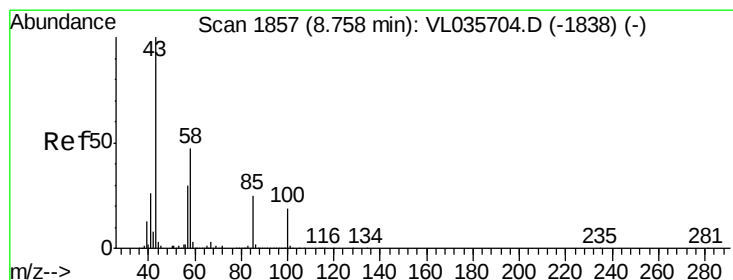
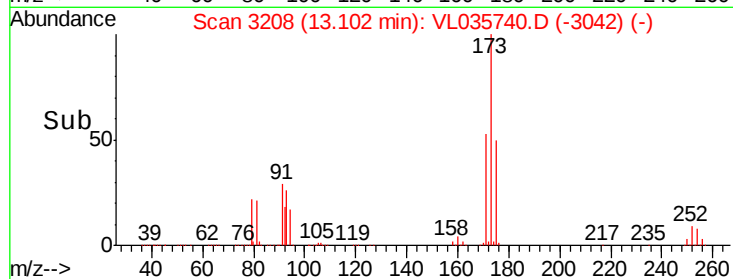
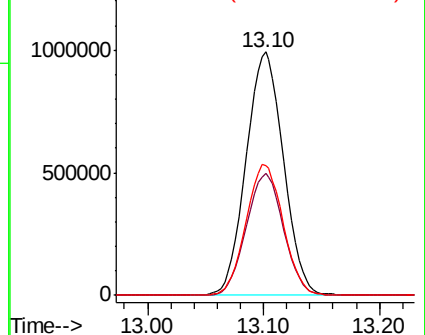
171 53.4 42.8 64.2



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: 11.288 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. 0.03 min

Lab File: VL035740.D

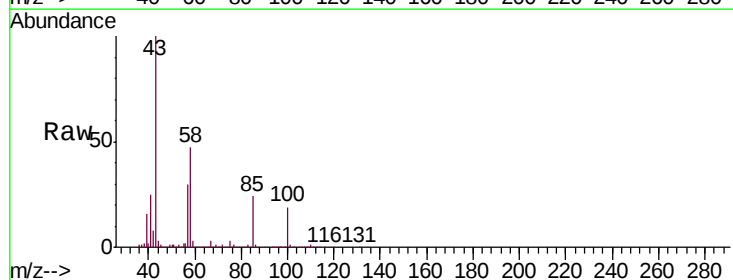
Acq: 30 Sep 2020 1:31

Tgt Ion: 43 Resp: 2327071

Ion Ratio Lower Upper

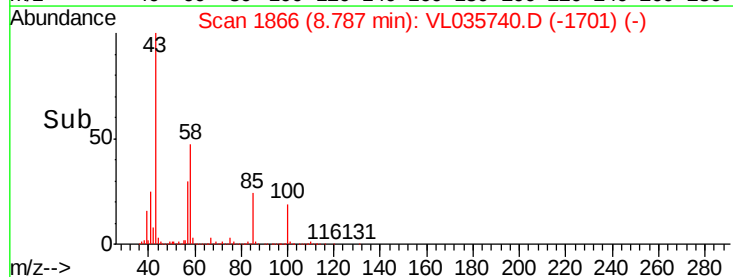
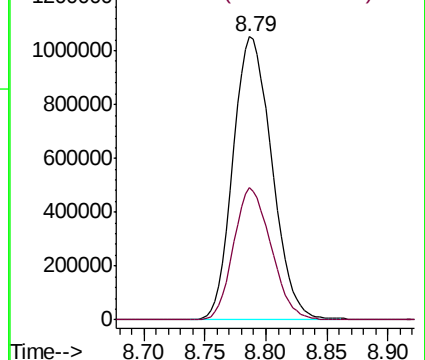
43 100

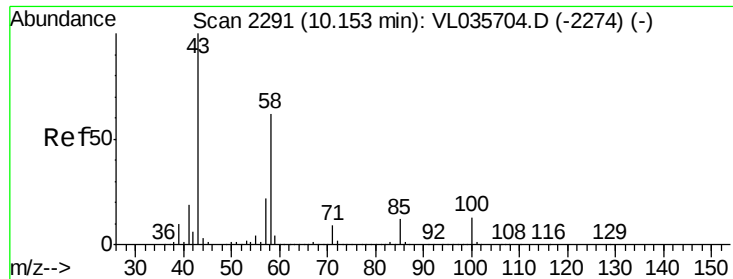
58 45.3 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

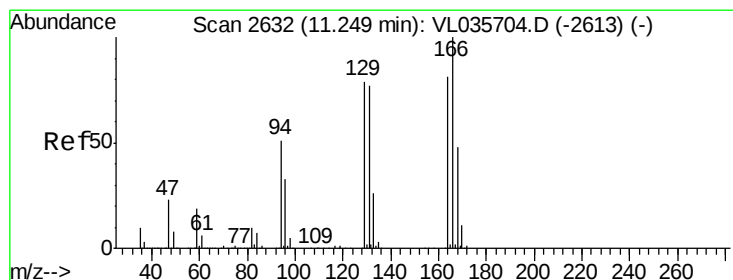
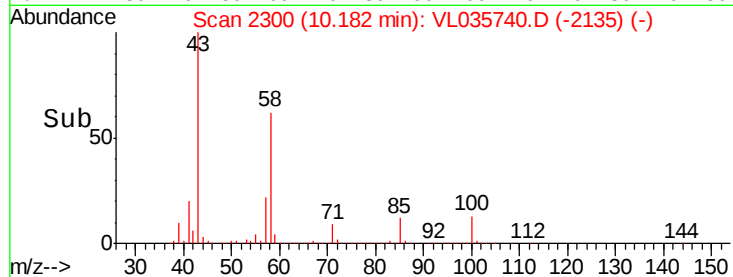
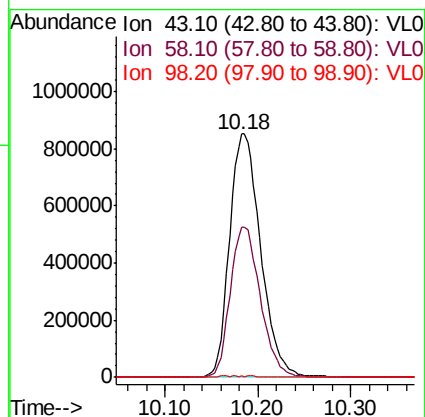
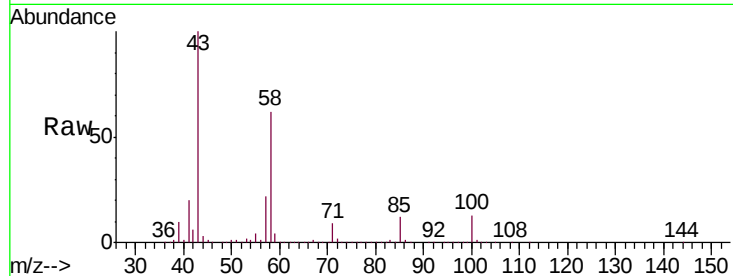




#51
2-Hexanone
Concen: 11.925 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

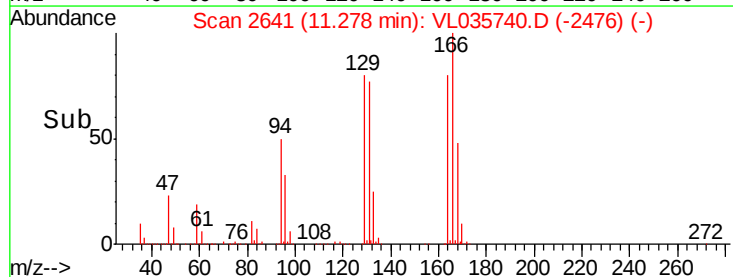
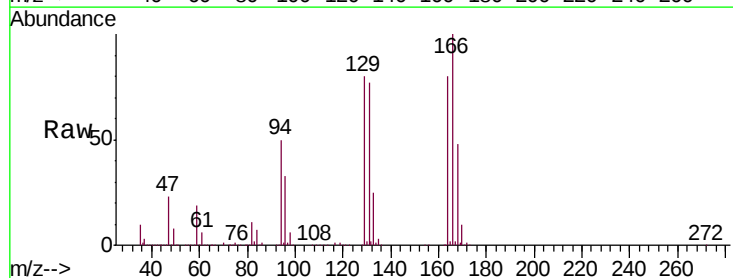
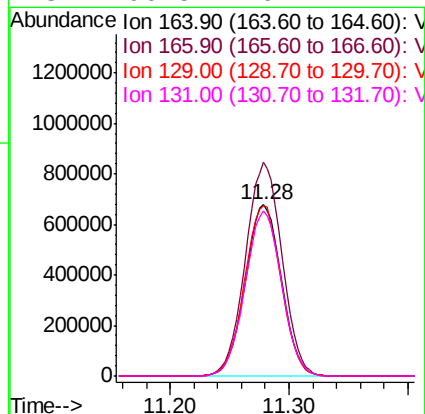
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

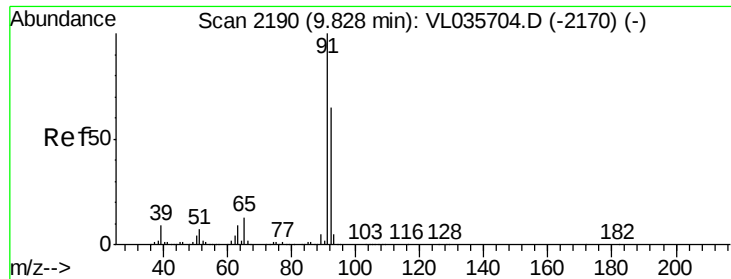
Tgt Ion: 43 Resp: 1980704
Ion Ratio Lower Upper
43 100
58 60.1 48.7 73.1
98 0.9 0.7 1.1



#52
Tetrachloroethene
Concen: 10.696 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 164 Resp: 1430286
Ion Ratio Lower Upper
164 100
166 124.9 98.7 148.1
129 99.4 78.4 117.6
131 96.5 76.2 114.2





#53

Toluene

Concen: 11.779 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

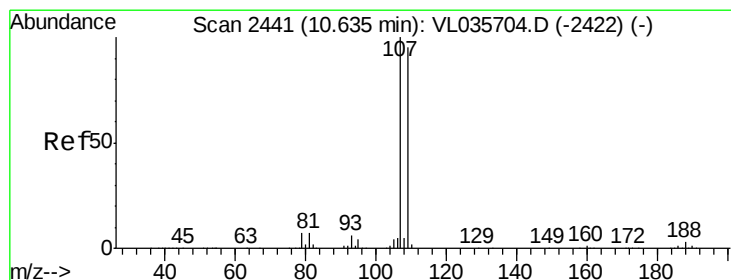
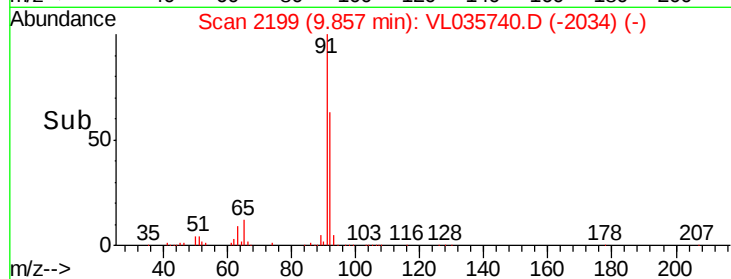
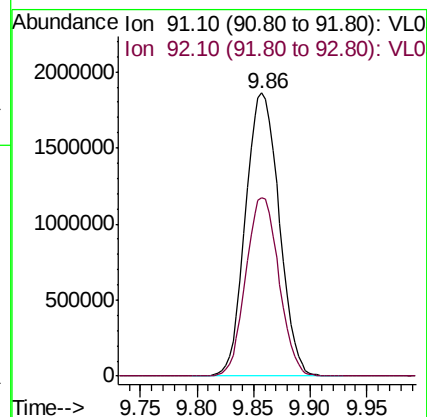
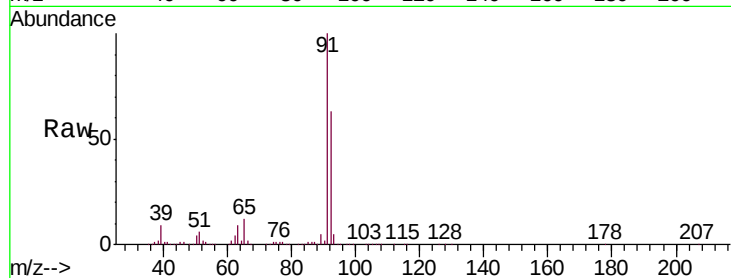
VSTDCCC010EC

Tgt Ion: 91 Resp: 3862125

Ion Ratio Lower Upper

91 100

92 62.1 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.869 ppbv

RT: 10.66 min Scan# 2450

Delta R.T. 0.03 min

Lab File: VL035740.D

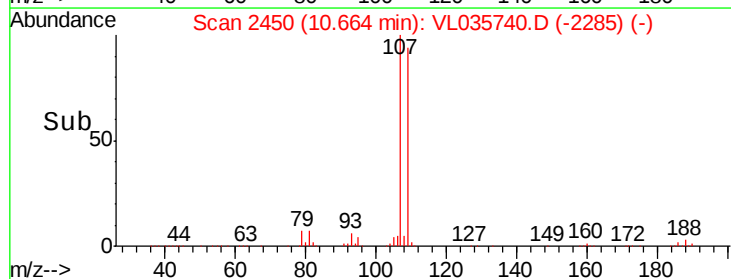
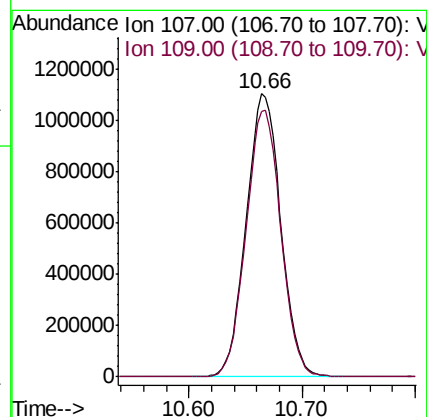
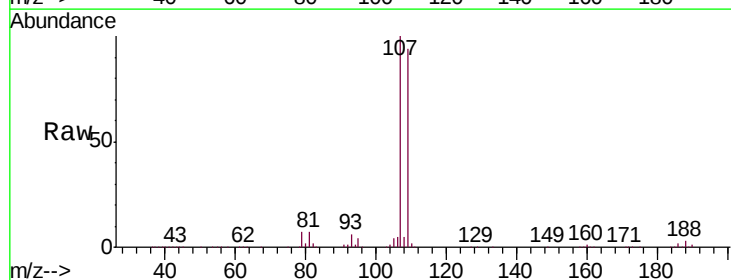
Acq: 30 Sep 2020 1:31

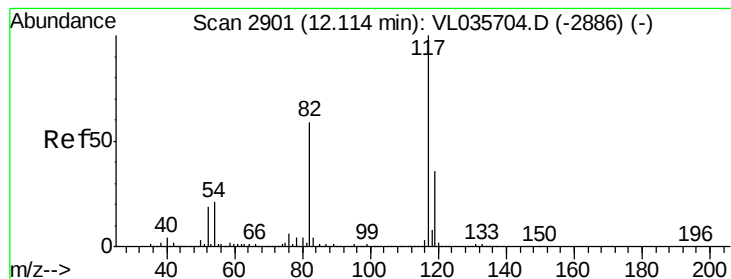
Tgt Ion: 107 Resp: 2349443

Ion Ratio Lower Upper

107 100

109 93.9 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

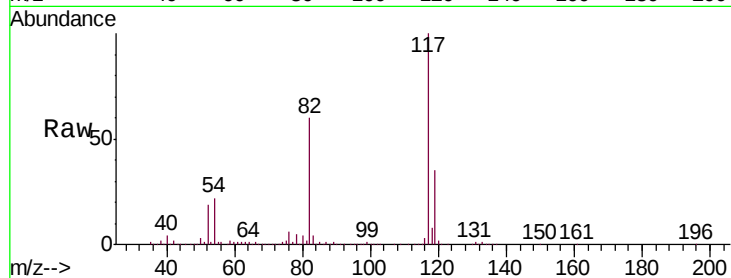
Tgt Ion:117 Resp: 5416775

Ion Ratio Lower Upper

117 100

82 46.3 46.1 69.1

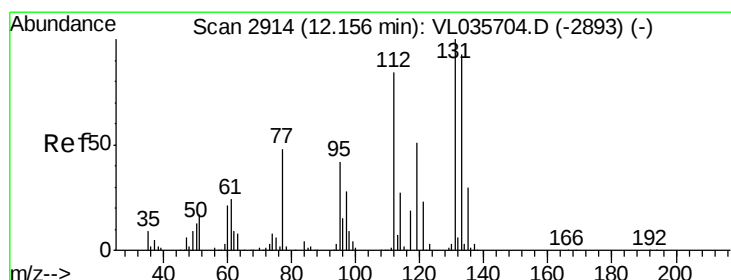
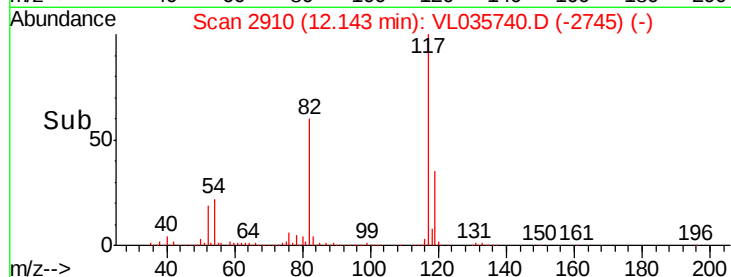
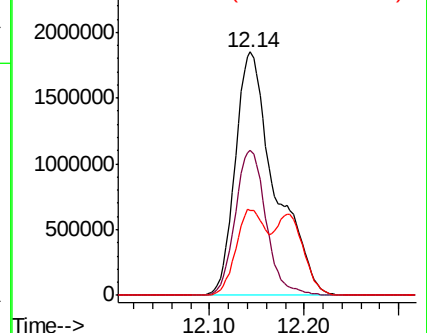
119 27.6 28.0 42.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.574 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

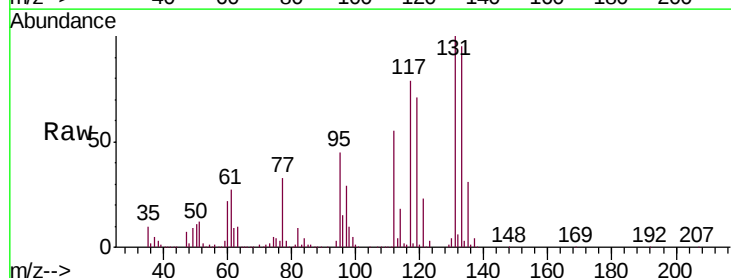
Tgt Ion:131 Resp: 1947438

Ion Ratio Lower Upper

131 100

133 95.4 76.2 114.4

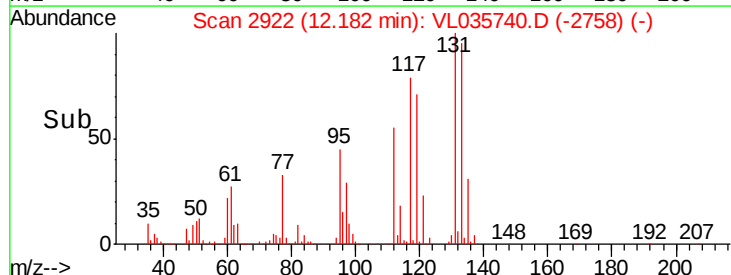
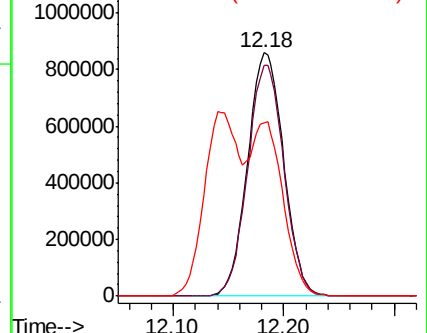
119 63.7 52.4 78.6

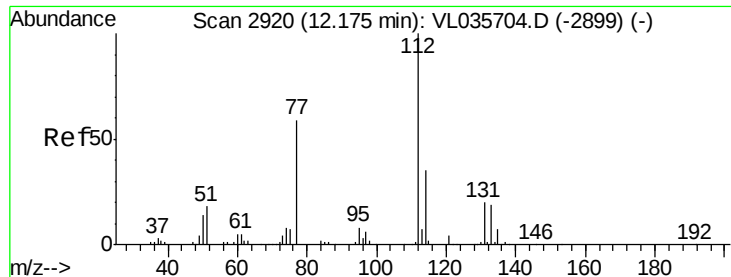


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

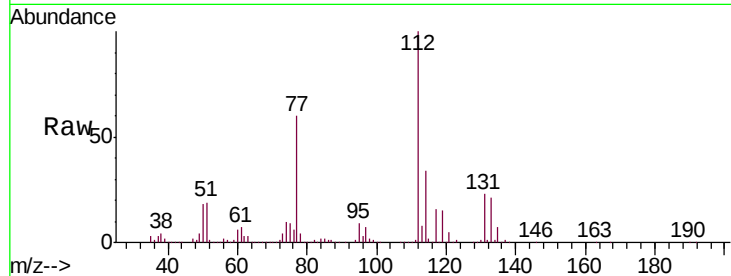




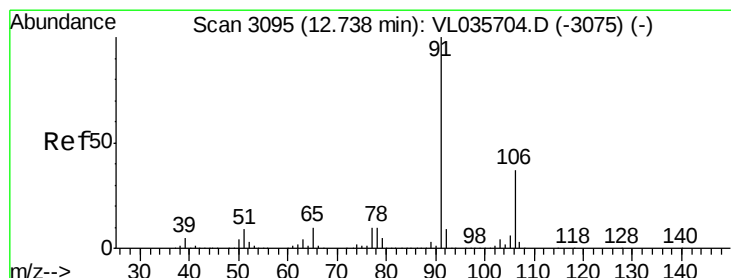
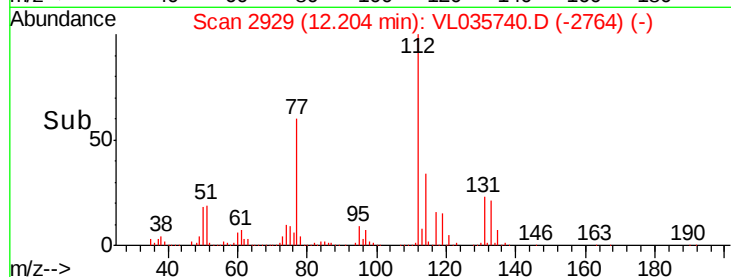
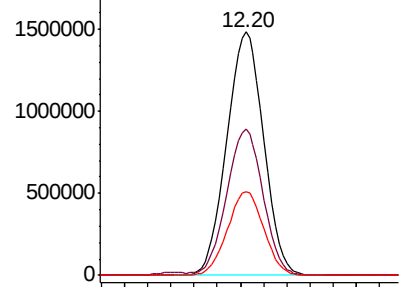
#57
Chlorobenzene
Concen: 8.030 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 3285257
Ion Ratio Lower Upper
112 100
77 60.2 48.2 72.2
114 34.2 31.9 39.1

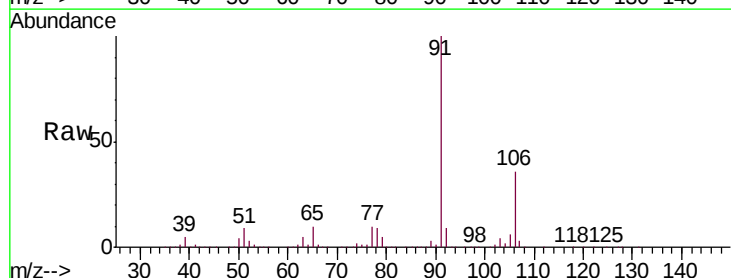


Abundance Ion 112.10 (111.80 to 112.80): V
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

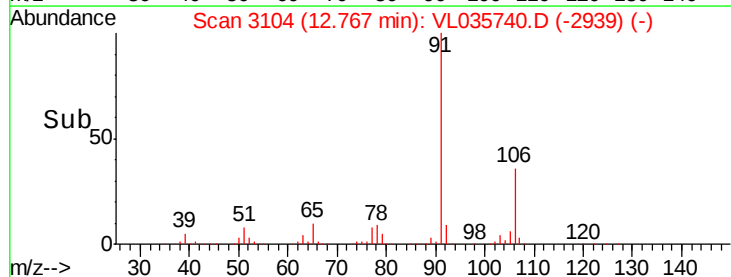
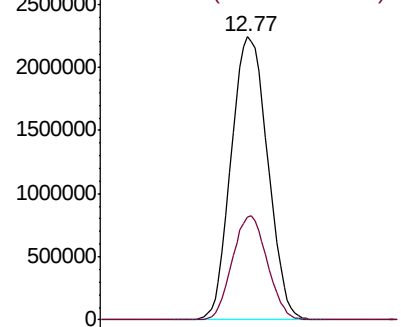


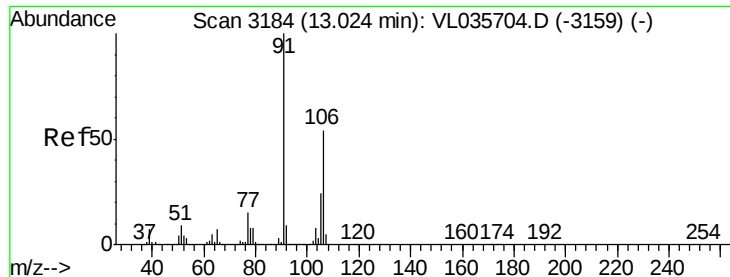
#58
Ethyl Benzene
Concen: 9.277 ppbv
RT: 12.77 min Scan# 3104
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 91 Resp: 5043759
Ion Ratio Lower Upper
91 100
106 36.5 29.7 44.5



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

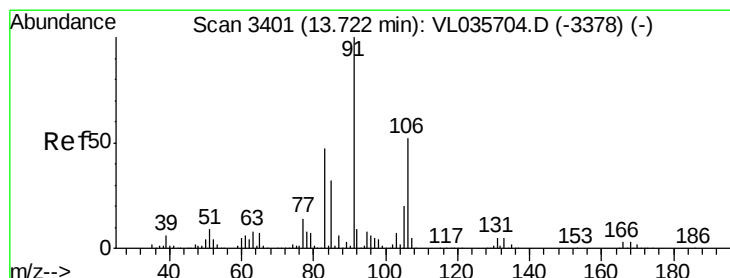
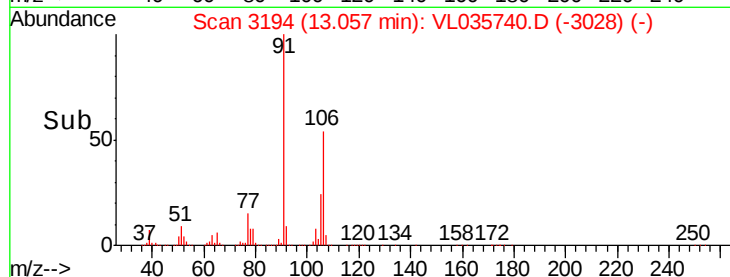
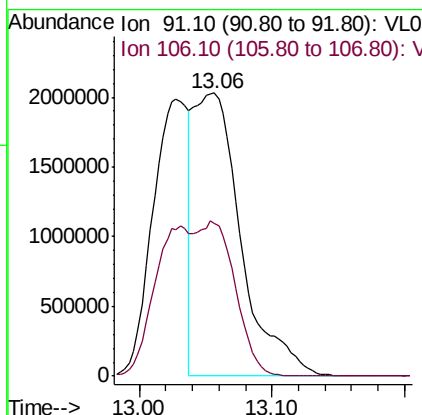
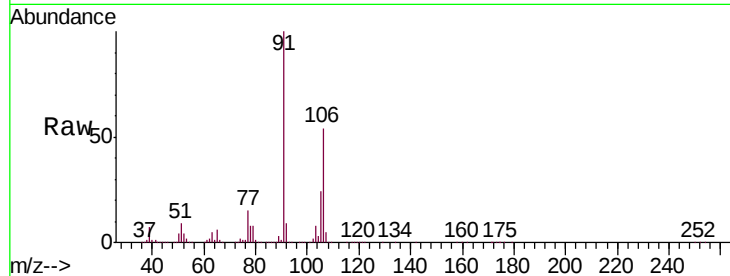




#59
m/p-Xylene
Concen: 10.552 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

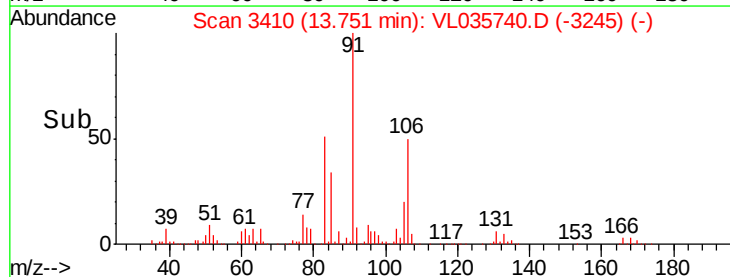
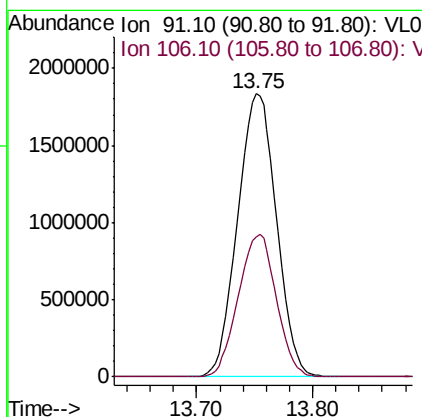
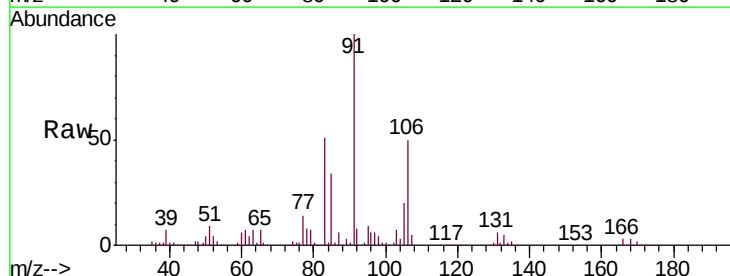
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

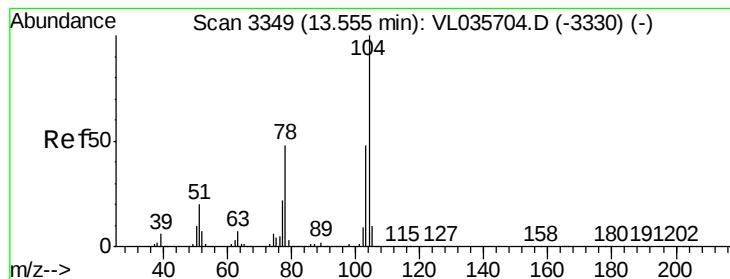
Tgt Ion: 91 Resp: 5009894
Ion Ratio Lower Upper
91 100
106 86.5 41.4 62.0#



#60
o-Xylene
Concen: 8.881 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 91 Resp: 4265587
Ion Ratio Lower Upper
91 100
106 49.6 25.0 75.0





#61

Styrene

Concen: 10.005 ppbv

RT: 13.59 min Scan# 3359

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

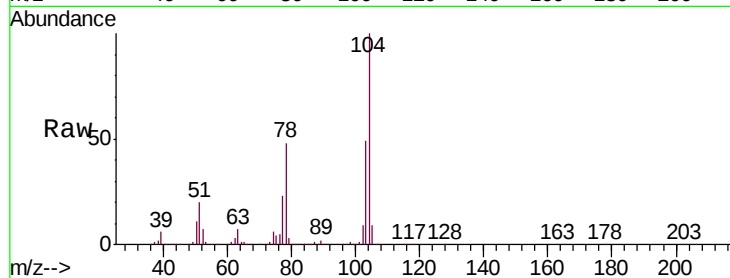
Tgt Ion:104 Resp: 3322638

Ion Ratio Lower Upper

104 100

78 47.0 37.2 55.8

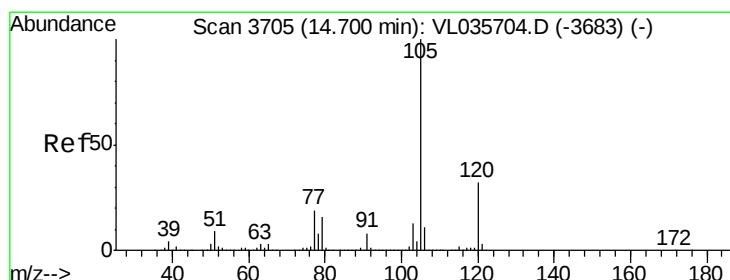
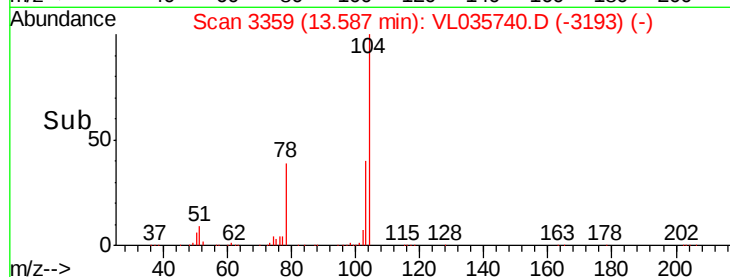
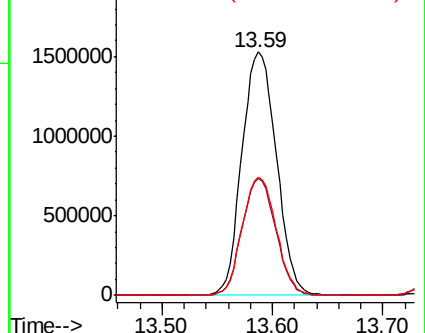
103 47.9 38.2 57.2



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: 8.544 ppbv

RT: 14.73 min Scan# 3714

Delta R.T. 0.03 min

Lab File: VL035740.D

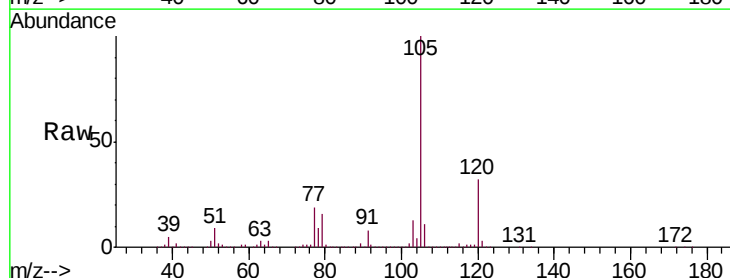
Acq: 30 Sep 2020 1:31

Tgt Ion:105 Resp: 6364590

Ion Ratio Lower Upper

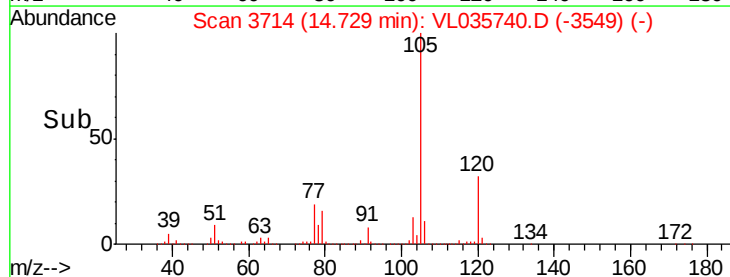
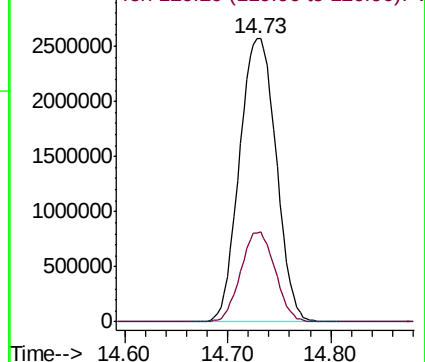
105 100

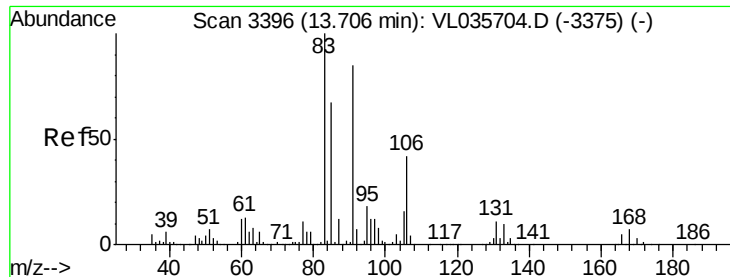
120 29.8 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

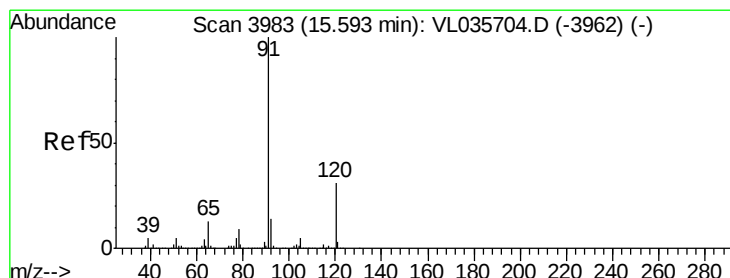
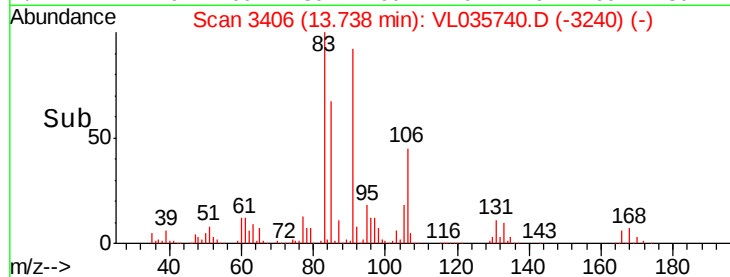
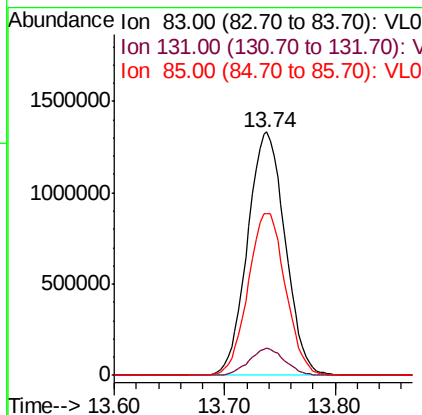
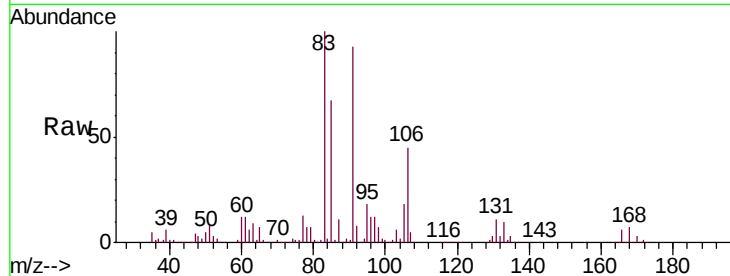




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.991 ppbv
 RT: 13.74 min Scan# 3406
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

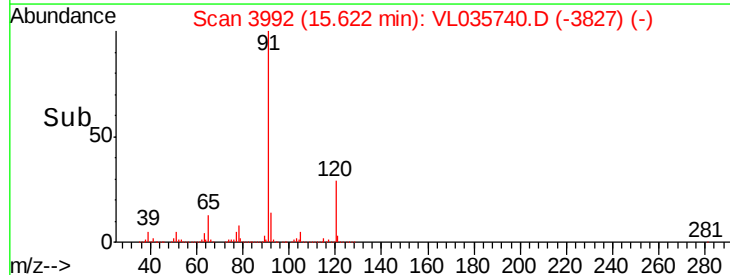
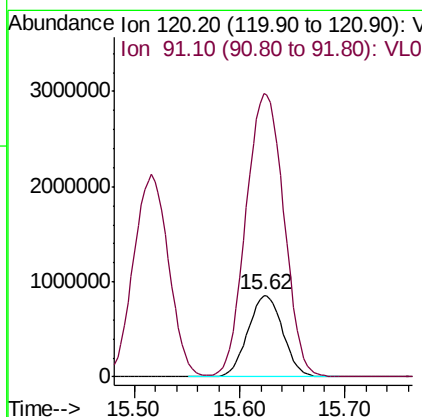
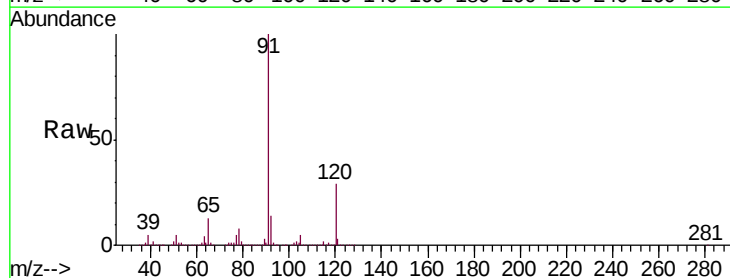
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

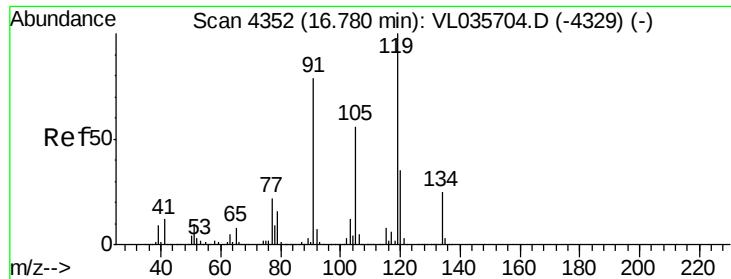
Tgt Ion: 83 Resp: 3147270
 Ion Ratio Lower Upper
 83 100
 131 10.5 5.3 16.1
 85 66.5 33.4 100.2



#64
 n-propylbenzene
 Concen: 9.043 ppbv
 RT: 15.62 min Scan# 3992
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 120 Resp: 1971703
 Ion Ratio Lower Upper
 120 100
 91 379.8 300.4 450.6

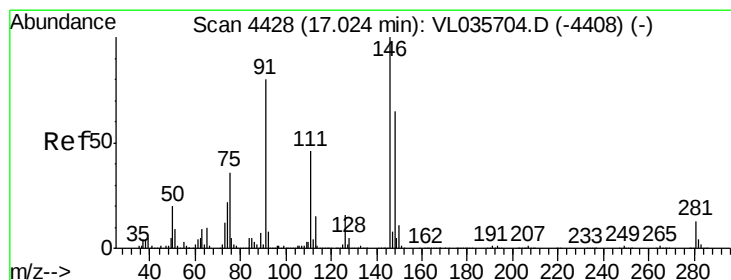
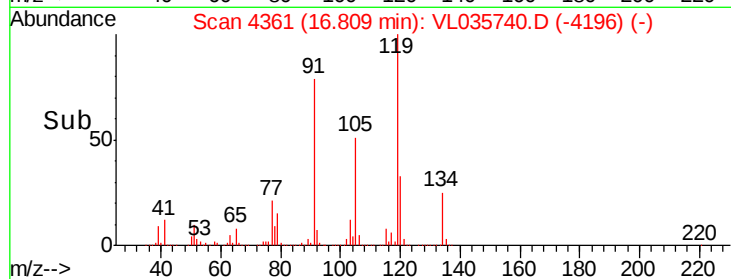
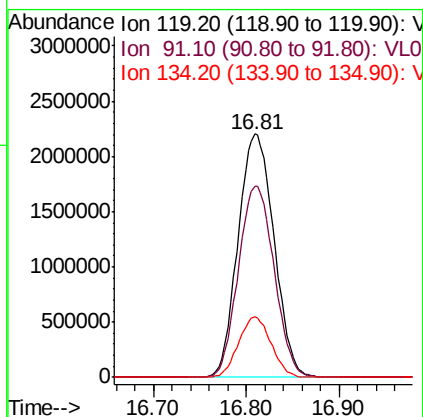
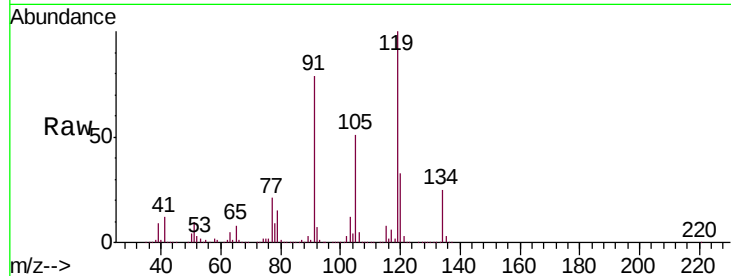




#65
 tert-Butylbenzene
 Concen: 8.737 ppbv
 RT: 16.81 min Scan# 4361
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

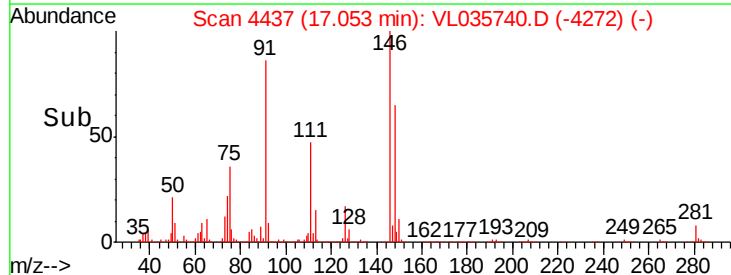
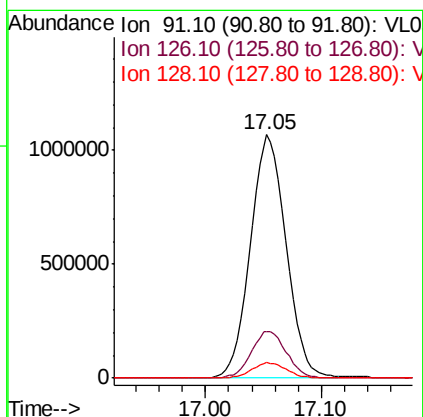
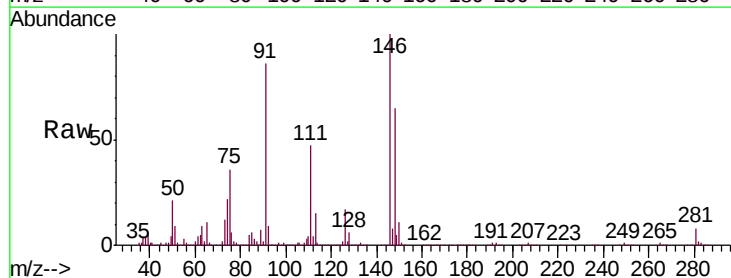
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

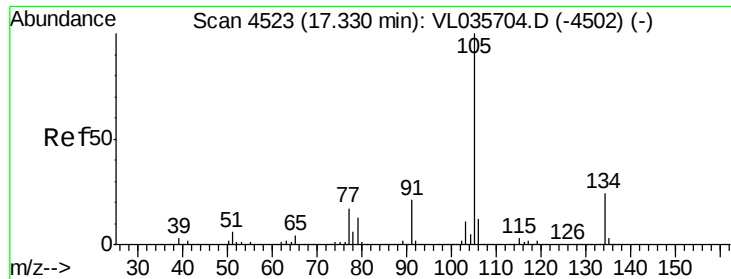
Tgt Ion: 119 Resp: 5917808
 Ion Ratio Lower Upper
 119 100
 91 78.3 62.4 93.6
 134 22.5 18.2 27.2



#66
 Benzyl Chloride
 Concen: 11.173 ppbv
 RT: 17.05 min Scan# 4437
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 91 Resp: 2292822
 Ion Ratio Lower Upper
 91 100
 126 18.9 15.3 22.9
 128 6.1 5.0 7.4

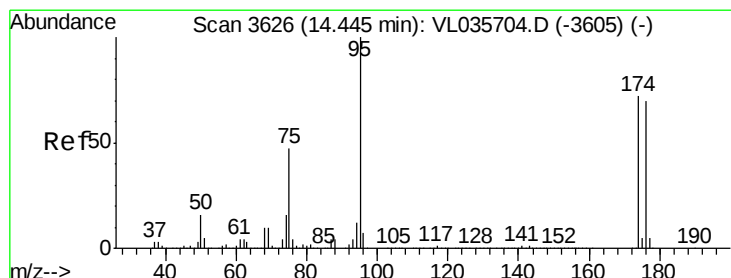
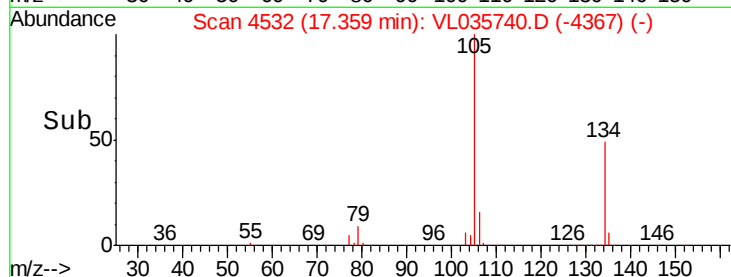
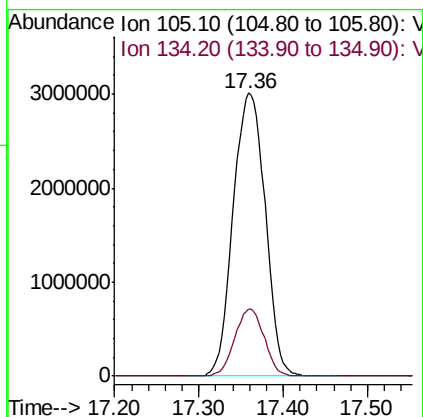
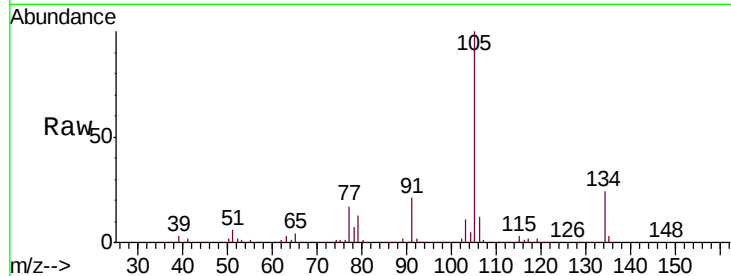




#67
 sec-Butylbenzene
 Concen: 8.514 ppbv
 RT: 17.36 min Scan# 4532
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

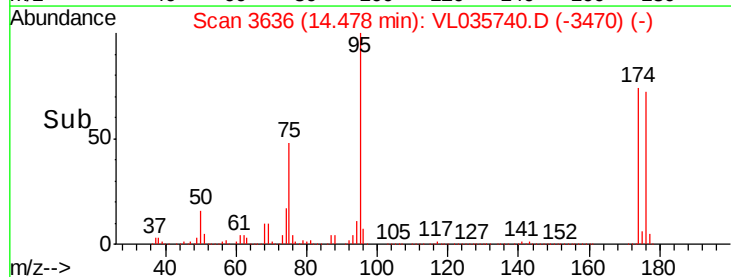
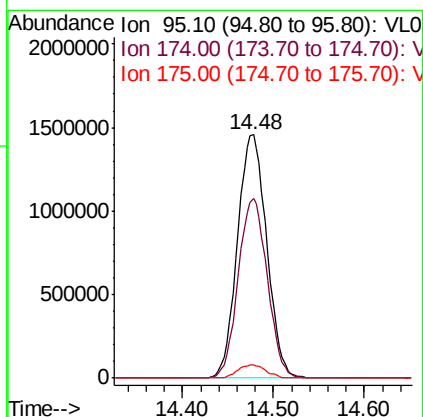
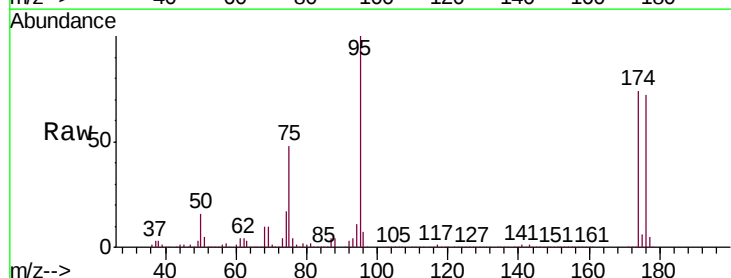
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

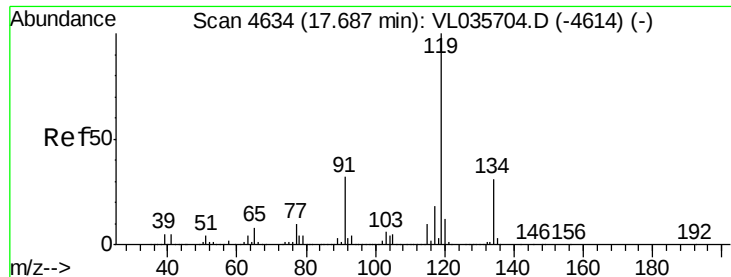
Tgt Ion: 105 Resp: 7962816
 Ion Ratio Lower Upper
 105 100
 134 21.9 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.019 ppbv
 RT: 14.48 min Scan# 3636
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 95 Resp: 3254942
 Ion Ratio Lower Upper
 95 100
 174 73.4 59.6 89.4
 175 5.3 4.2 6.4

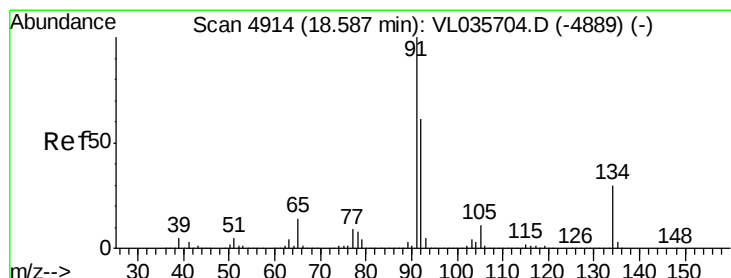
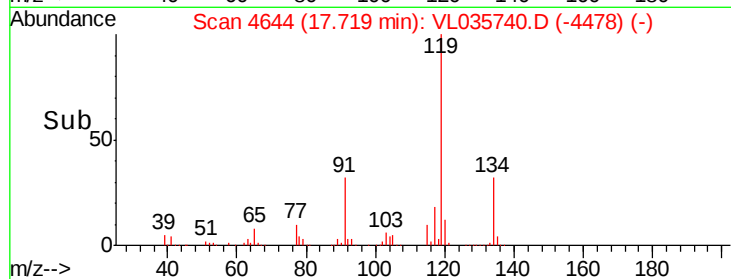
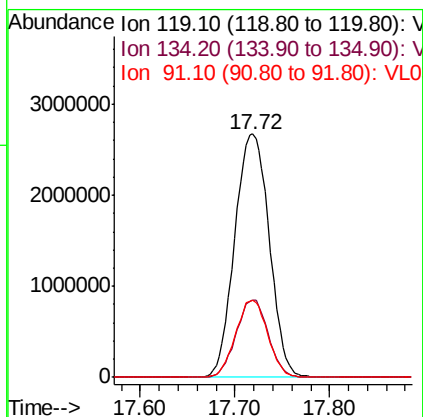
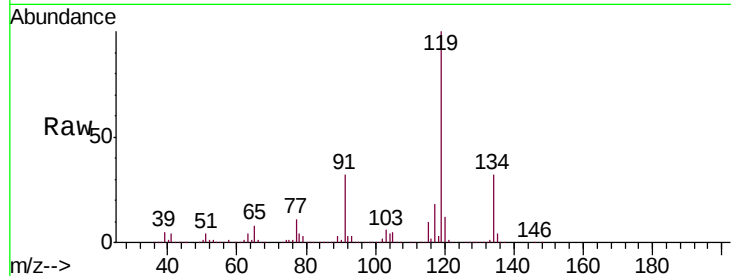




#69
 p-Isopropyltoluene
 Concen: 8.905 ppbv
 RT: 17.72 min Scan# 4644
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

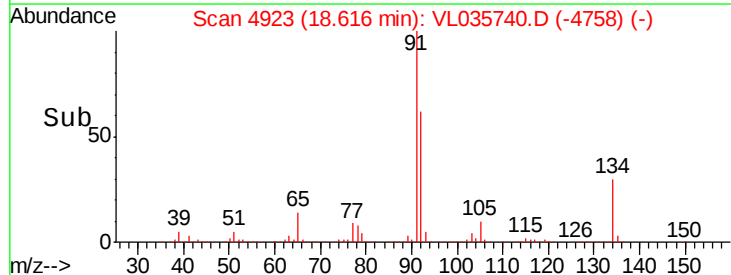
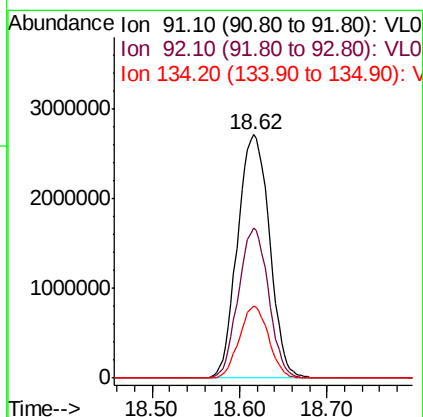
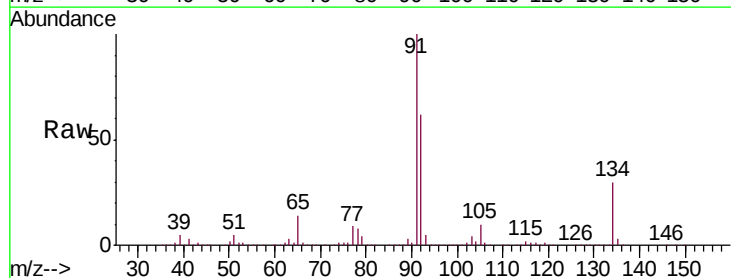
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

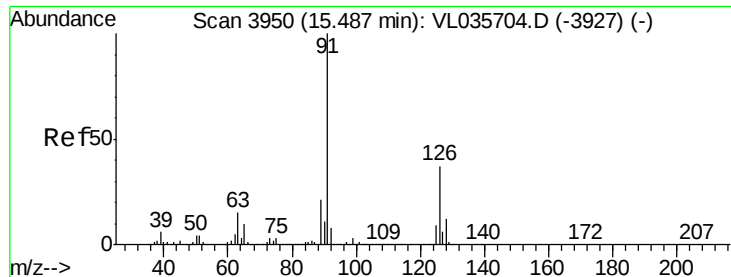
Tgt Ion: 119 Resp: 6776353
 Ion Ratio Lower Upper
 119 100
 134 29.6 23.9 35.9
 91 29.6 23.8 35.6



#70
 n-Butylbenzene
 Concen: 8.781 ppbv
 RT: 18.62 min Scan# 4923
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 91 Resp: 6880652
 Ion Ratio Lower Upper
 91 100
 92 58.3 47.0 70.4
 134 27.1 21.9 32.9





#71

2-Chlorotoluene

Concen: 9.116 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

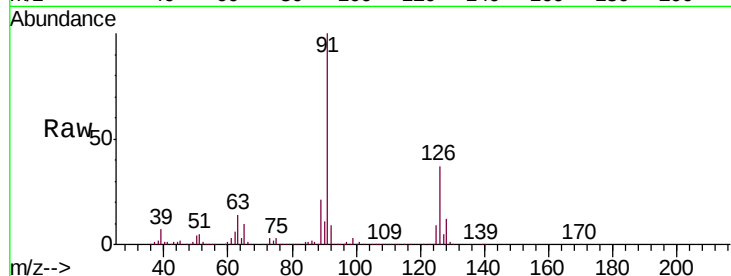
VSTDCCC010EC

Tgt Ion: 91 Resp: 4953385

Ion Ratio Lower Upper

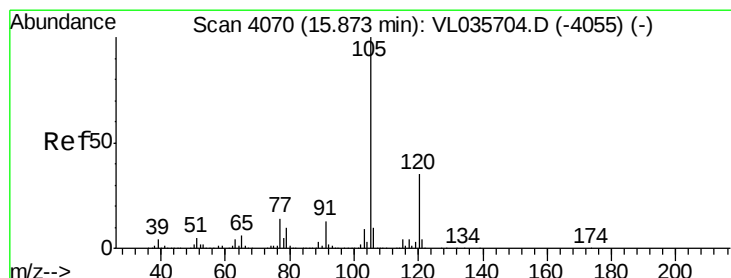
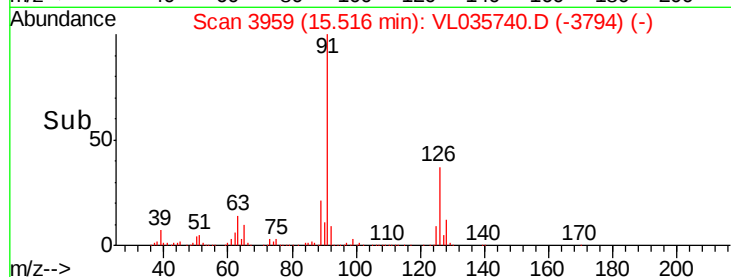
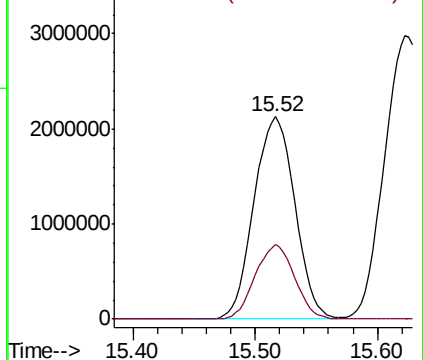
91 100

126 35.7 14.4 57.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.266 ppbv

RT: 15.90 min Scan# 4079

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tgt Ion:105 Resp: 5271748

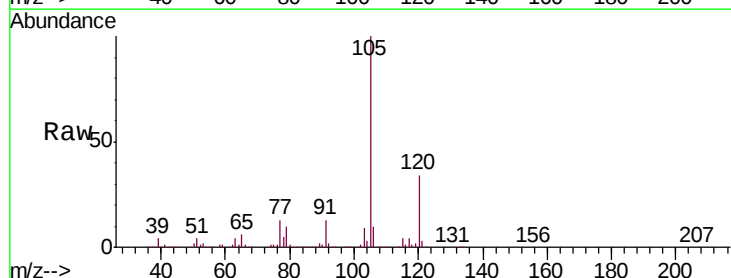
Ion Ratio Lower Upper

105 100

120 32.8 26.5 39.7

91 13.3 10.2 15.2

77 12.7 10.3 15.5

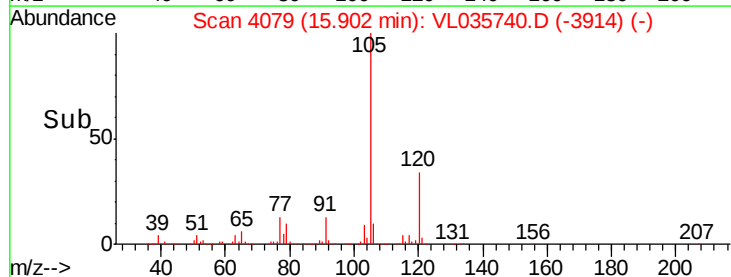
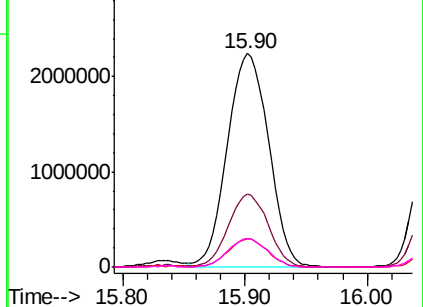


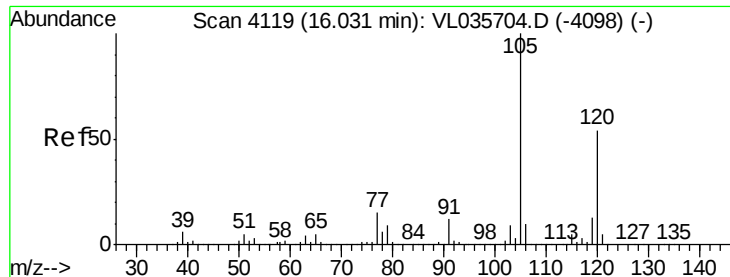
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.135 ppbv

RT: 16.06 min Scan# 4128

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

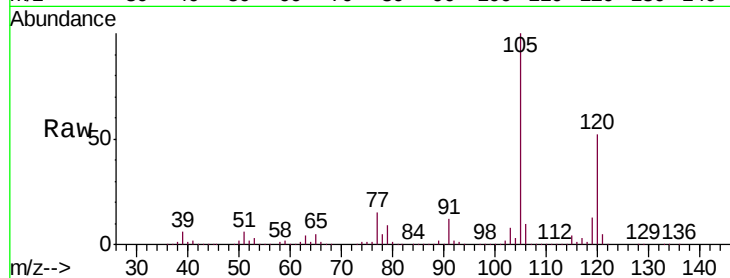
VSTDCCC010EC

Tgt Ion:105 Resp: 4911528

Ion Ratio Lower Upper

105 100

120 52.2 43.0 64.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.06

2000000

1500000

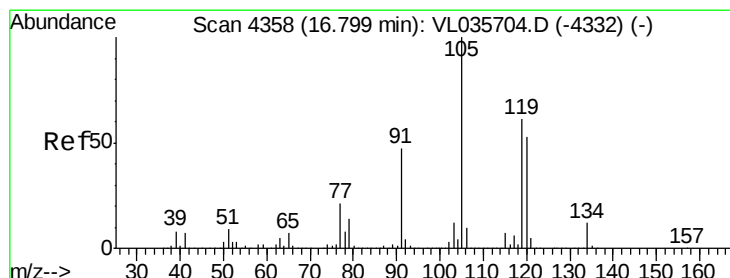
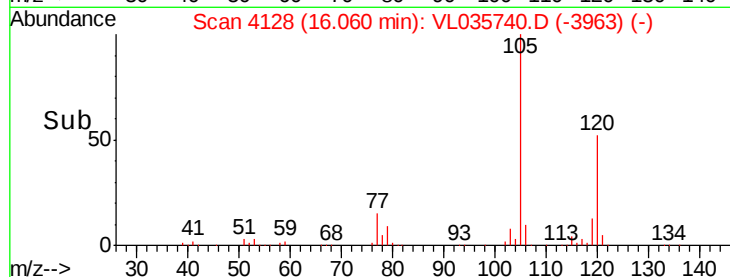
1000000

500000

0

Time-->

16.00 16.10



#74

1,2,4-Trimethylbenzene

Concen: 8.500 ppbv

RT: 16.83 min Scan# 4367

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tgt Ion:105 Resp: 5151533

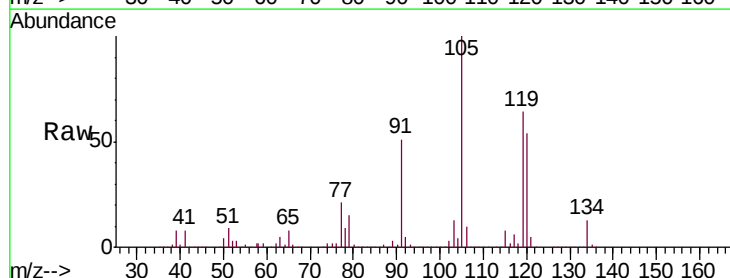
Ion Ratio Lower Upper

105 100

120 53.7 42.5 63.7

91 50.5 37.7 56.5

77 21.3 16.7 25.1



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): V

Ion 77.10 (76.80 to 77.80): V

3000000

2500000

2000000

1500000

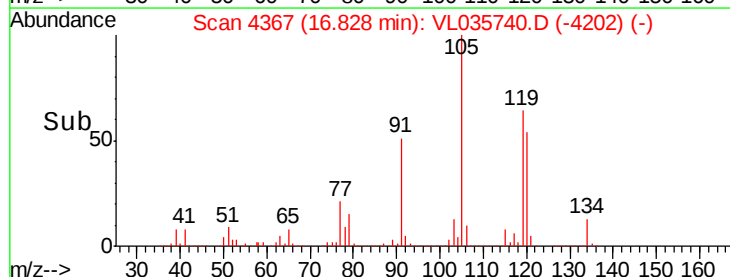
1000000

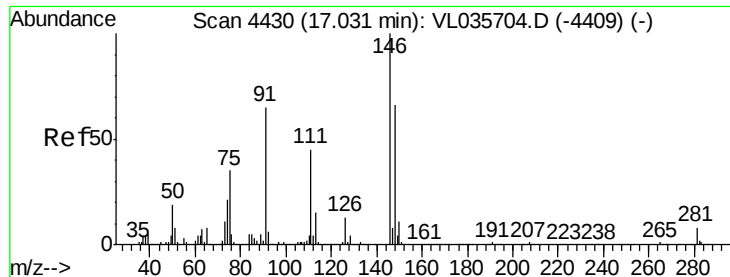
500000

0

Time-->

16.70 16.80 16.90





#75

1,3-Dichlorobenzene

Concen: 8.217 ppbv

RT: 17.06 min Scan# 4440

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

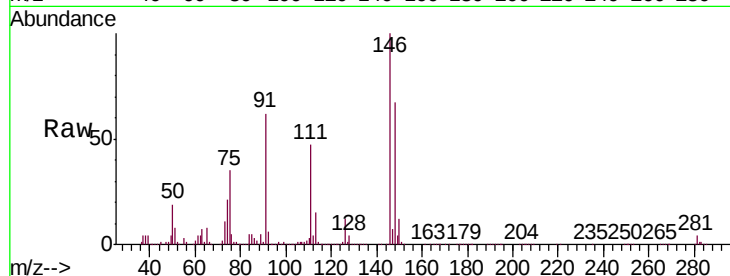
Tgt Ion:146 Resp: 3400112

Ion Ratio Lower Upper

146 100

111 45.1 22.4 67.0

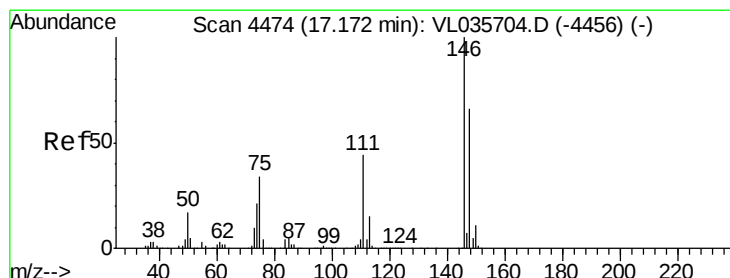
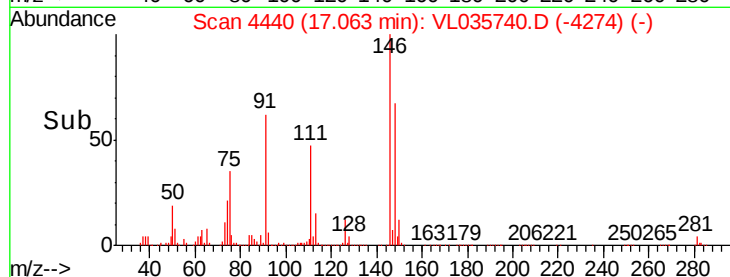
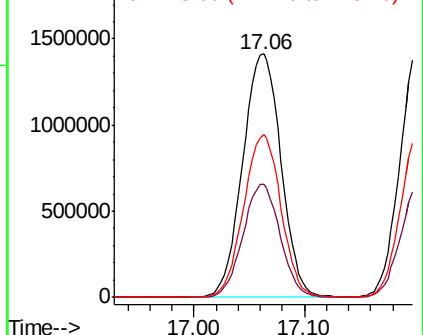
148 65.4 33.0 99.0



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: 8.626 ppbv

RT: 17.20 min Scan# 4484

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

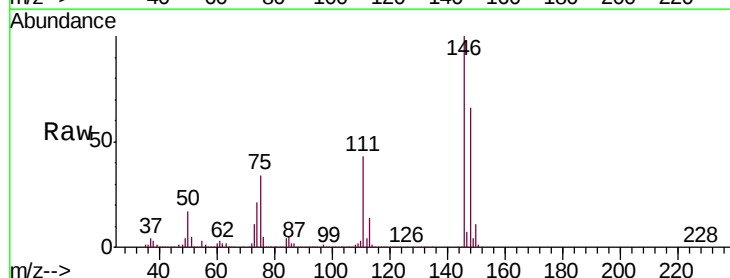
Tgt Ion:146 Resp: 3411794

Ion Ratio Lower Upper

146 100

111 43.3 21.4 64.3

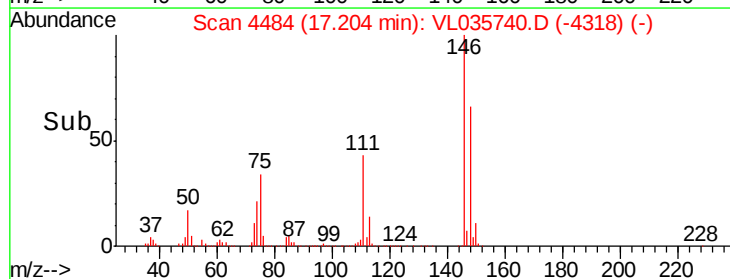
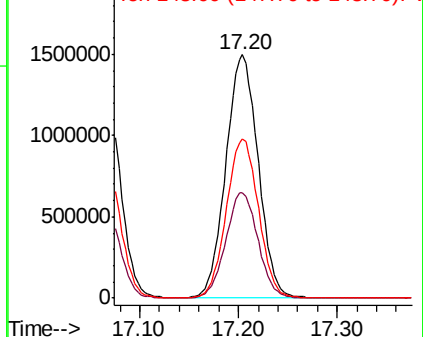
148 65.5 32.6 98.0

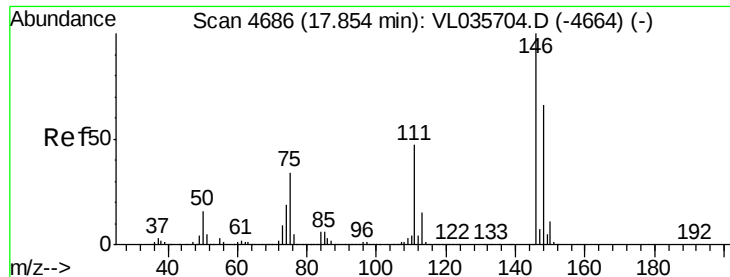


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

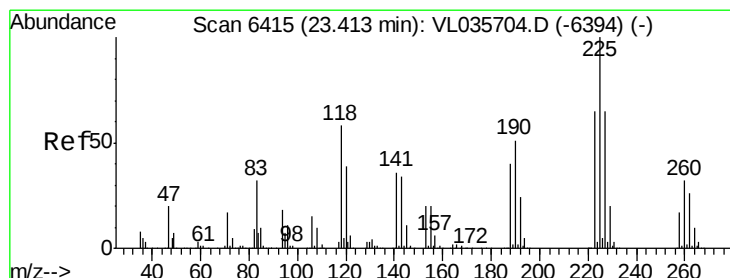
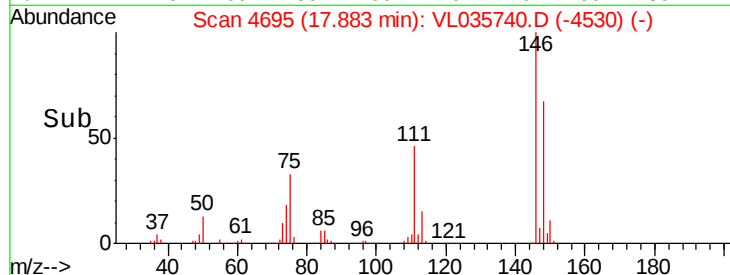
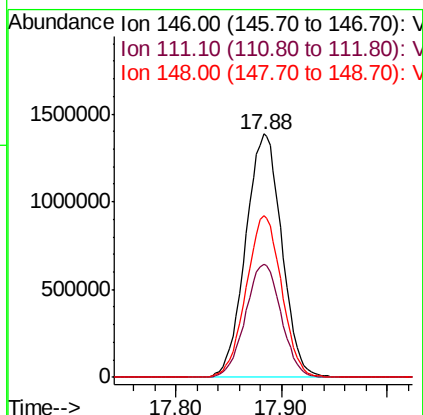
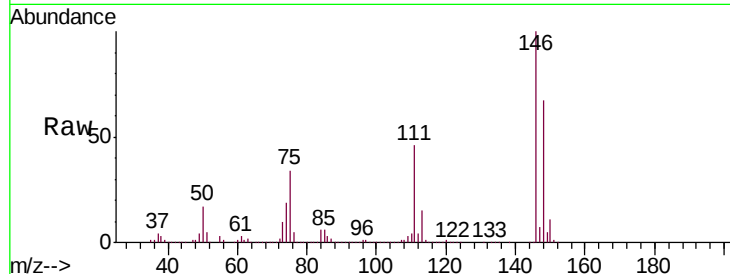




#77
 1,2-Dichlorobenzene
 Concen: 8.436 ppbv
 RT: 17.88 min Scan# 4695
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

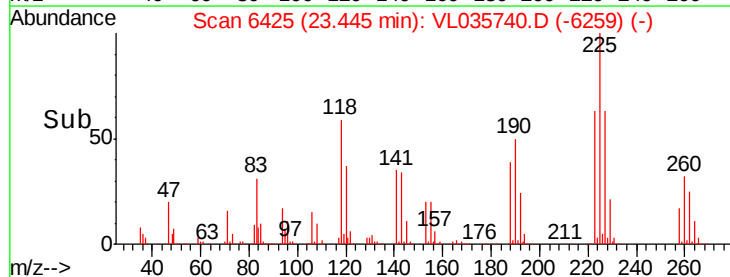
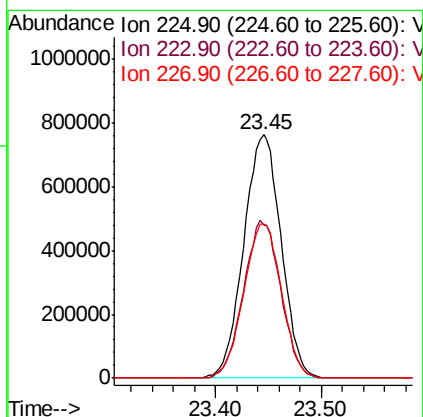
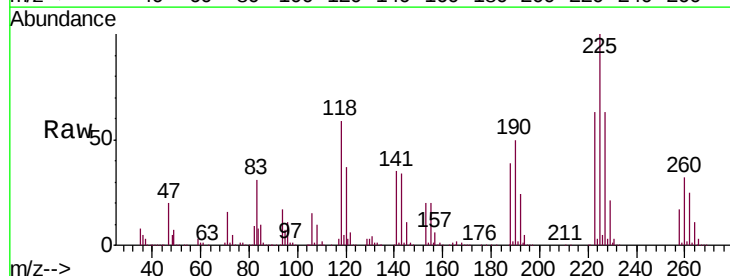
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

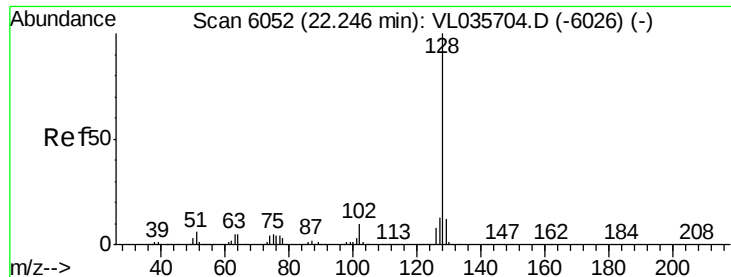
Tgt Ion:146 Resp: 3296875
 Ion Ratio Lower Upper
 146 100
 111 46.3 22.9 68.5
 148 65.3 32.6 98.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.738 ppbv
 RT: 23.45 min Scan# 6425
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion:225 Resp: 1884211
 Ion Ratio Lower Upper
 225 100
 223 64.4 51.3 76.9
 227 64.0 51.6 77.4

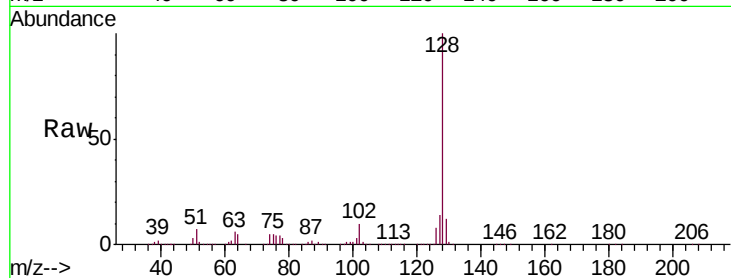




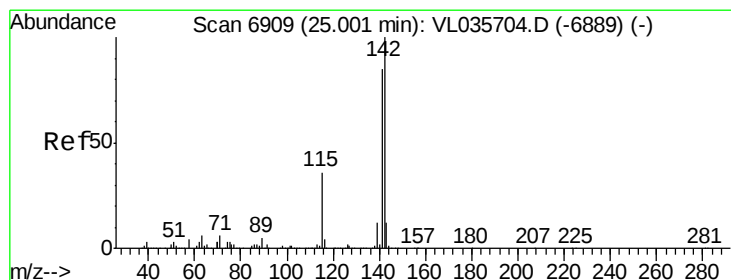
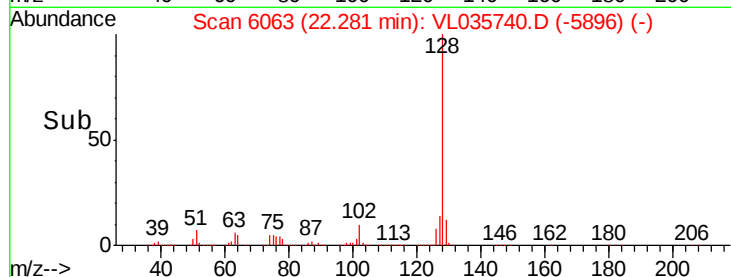
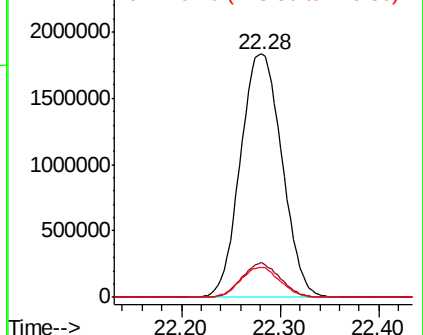
#79
Naphthalene
Concen: 9.237 ppbv
RT: 22.28 min Scan# 6063
Delta R.T. 0.04 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 5340010
Ion Ratio Lower Upper
128 100
127 14.1 10.6 15.8
129 12.4 9.4 14.0

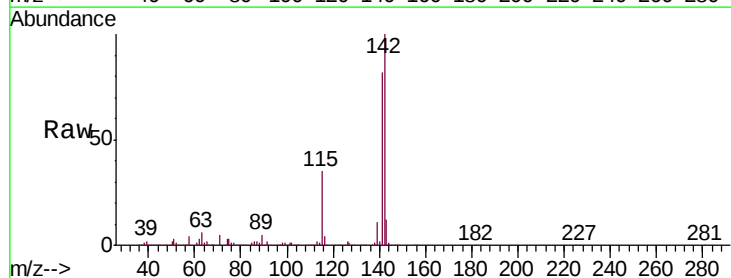


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

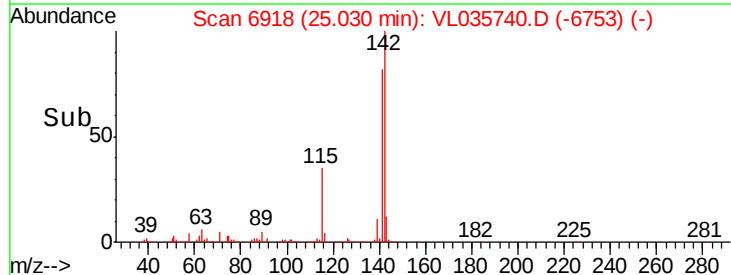
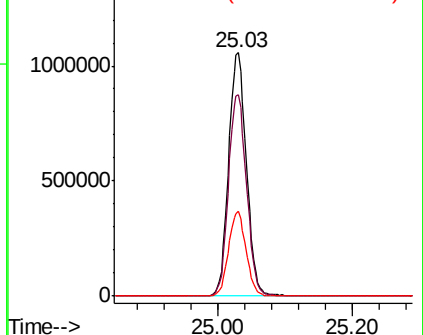


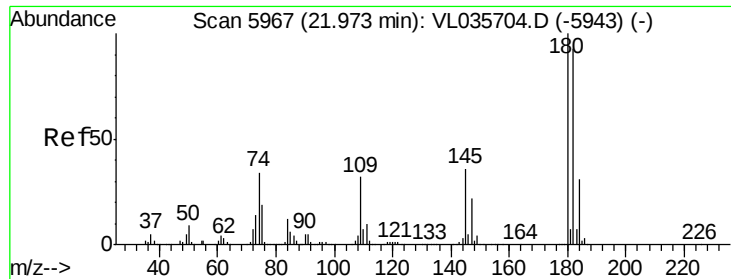
#80
Naphthalene, 2-methyl-
Concen: 14.258 ppbv
RT: 25.03 min Scan# 6918
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion:142 Resp: 1944116
Ion Ratio Lower Upper
142 100
141 84.6 68.2 102.4
115 34.3 27.8 41.6



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

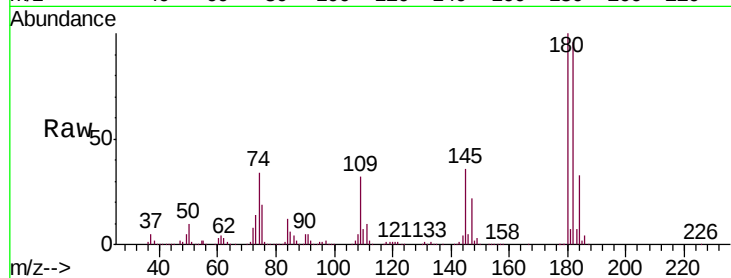




#81
 1,2,4-Trichlorobenzene
 Concen: 8.914 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. 0.04 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 2670387
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.2 114.2
 184 31.3 24.6 37.0



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

