

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092320\
 Data File : VL035722.D
 Acq On : 23 Sep 2020 17:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Sep 24 08:27:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.68	49	1169388	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4488974	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	5639503	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	3415752	8.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1738286	9.059	ppbv	99
3) Chlorodifluoromethane	2.99	51	1209769	9.616	ppbv	99
4) Chloromethane	3.14	50	656593	9.716	ppbv	98
5) Vinyl Chloride	3.26	62	783827	9.806	ppbv	99
6) Bromomethane	3.47	94	655713	9.704	ppbv	100
7) Chloroethane	3.56	64	289099	9.861	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	2175440	9.348	ppbv	100
9) Propene	3.01	41	463580	10.149	ppbv	99
10) Heptane	8.14	43	1371894	10.773	ppbv	100
11) Trichlorofluoromethane	3.95	101	2599678	9.496	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1947029	9.540	ppbv	100
13) Ethanol	3.61	45	110404	9.801	ppbv	100
14) Bromoethene	3.74	108	860890	10.014	ppbv	100
15) Acetone	3.85	43	1042274	8.283	ppbv	99
16) 1,3-Butadiene	3.33	39	489834	10.641	ppbv	99
17) tert-Butyl alcohol	4.30	59	1515907	11.060	ppbv	99
18) 1,1-Dichloroethene	4.29	96	893722	10.002	ppbv	96
19) Isopropyl Alcohol	3.98	45	797949	11.658	ppbv	99
20) Methylene Chloride	4.35	84	741206	8.019	ppbv	99
21) Allyl Chloride	4.42	41	630549	10.338	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	933587	9.889	ppbv	99
23) Vinyl Acetate	5.09	43	1633767	10.601	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1620085	9.651	ppbv	100
25) Ethyl Acetate	5.69	43	2230439	9.851	ppbv	100
26) Hexane	5.70	57	1241489	10.006	ppbv	99
27) Carbon Disulfide	4.56	76	1969558	10.650	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2069160	10.521	ppbv	99
29) Chloroform	5.77	83	2448841	9.719	ppbv	99
30) Cyclohexane	7.15	84	1354477	11.065	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1309590	10.934	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	2350146	10.581	ppbv	100
34) 2-Butanone	5.26	43	1508480	10.160	ppbv	100
35) Carbon Tetrachloride	7.04	117	2434029	10.400	ppbv	99
36) Benzene	6.91	78	3069822	10.495	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1509596	9.902	ppbv	100
38) Trichloroethene	7.86	130	1545549	10.592	ppbv	98
39) 1,2-Dichloropropane	7.64	63	1063688	10.033	ppbv	98
40) 1,4-Dioxane	7.85	88	530729	10.946	ppbv	95
41) Tetrahydrofuran	6.06	42	864327	11.555	ppbv	99
42) Bromodichloromethane	7.82	83	2535030	10.323	ppbv	99
43) Methyl Methacrylate	8.04	69	1304850	11.217	ppbv	99

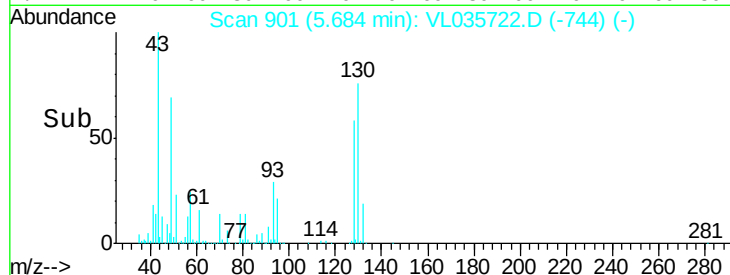
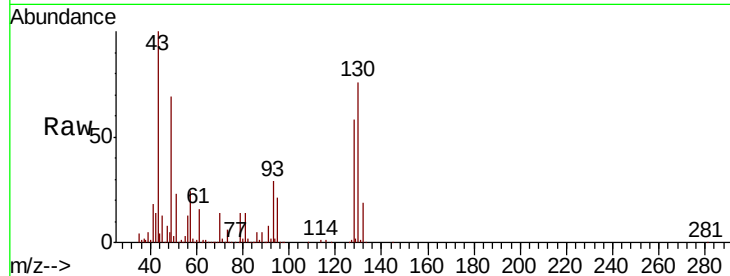
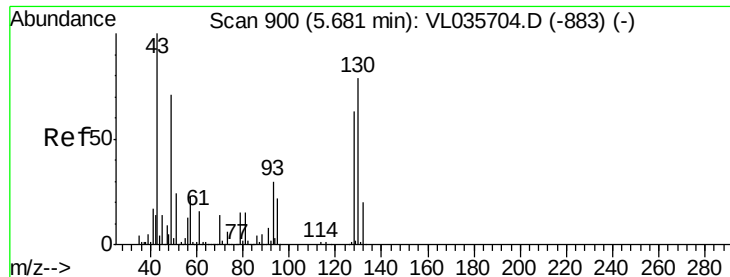
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4215773	10.044	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1427519	12.154	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1736662	11.995	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1498989	9.871	ppbv	98
48) Dibromochloromethane	10.33	129	2507256	10.848	ppbv	100
49) Bromoform	13.07	173	2220013	11.321	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2277728	10.503	ppbv	99
51) 2-Hexanone	10.16	43	1903961	10.897	ppbv	100
52) Tetrachloroethene	11.25	164	1446090	10.281	ppbv	98
53) Toluene	9.83	91	3852018	11.168	ppbv	100
54) 1,2-Dibromoethane	10.64	107	2339973	10.291	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.16	131	1939724	8.203	ppbv	98
57) Chlorobenzene	12.18	112	3251716	7.634	ppbv	98
58) Ethyl Benzene	12.74	91	5000632	8.835	ppbv	100
59) m/p-Xylene	13.03	91	4476995	9.057	ppbv #	37
60) o-Xylene	13.73	91	4184397	8.368	ppbv	100
61) Styrene	13.56	104	3278352	9.482	ppbv	99
62) Isopropylbenzene	14.70	105	6305383	8.130	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3057856	7.458	ppbv	100
64) n-propylbenzene	15.60	120	1930392	8.504	ppbv	99
65) tert-Butylbenzene	16.78	119	5804464	8.231	ppbv	99
66) Benzyl Chloride	17.03	91	2029839	9.501	ppbv	100
67) sec-Butylbenzene	17.33	105	7757961	7.967	ppbv	100
69) p-Isopropyltoluene	17.69	119	6509411	8.217	ppbv	99
70) n-Butylbenzene	18.59	91	6496184	7.963	ppbv	99
71) 2-Chlorotoluene	15.49	91	4813502	8.508	ppbv	100
72) 4-Ethyltoluene	15.88	105	5098507	8.607	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4742090	8.472	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	4964310	7.867	ppbv	99
75) 1,3-Dichlorobenzene	17.03	146	3280631	7.615	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3281165	7.968	ppbv	100
77) 1,2-Dichlorobenzene	17.85	146	3190866	7.842	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1699069	7.568	ppbv	100
79) Naphthalene	22.25	128	4779444	7.941	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1261789	8.888	ppbv	99
81) 1,2,4-Trichlorobenzene	21.98	180	2477824	7.944	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL035722.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

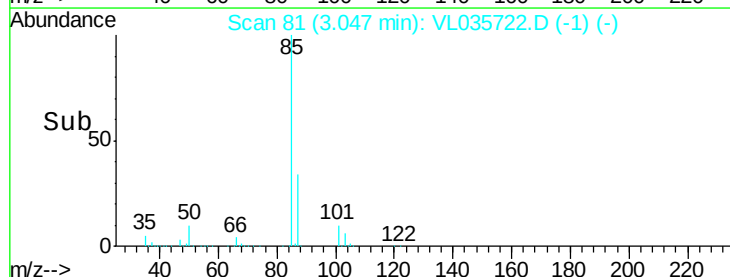
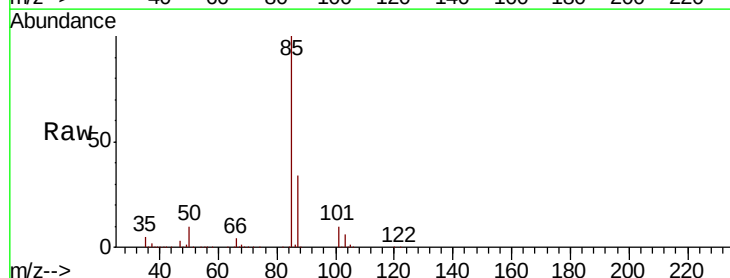
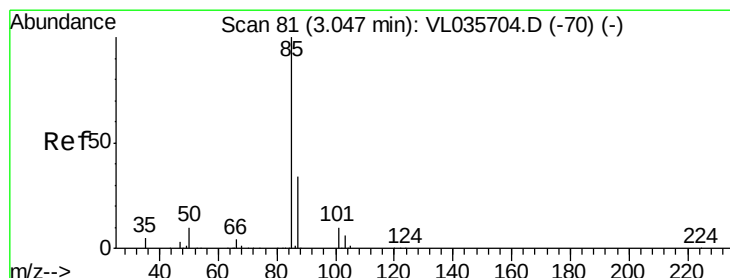
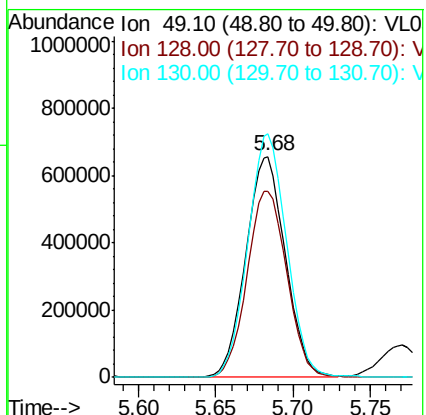
Tot Ion: 49 Resp: 1169388

Ion Ratio Lower Upper

49 100

128 85.1 43.1 129.4

130 108.7 54.9 164.7



#2

Dichlorodifluoromethane

Concen: 9.059 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL035722.D

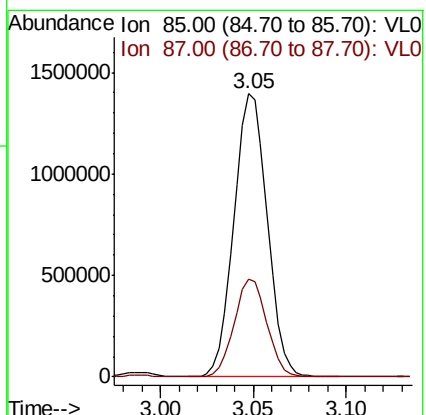
Acq: 23 Sep 2020 17:47

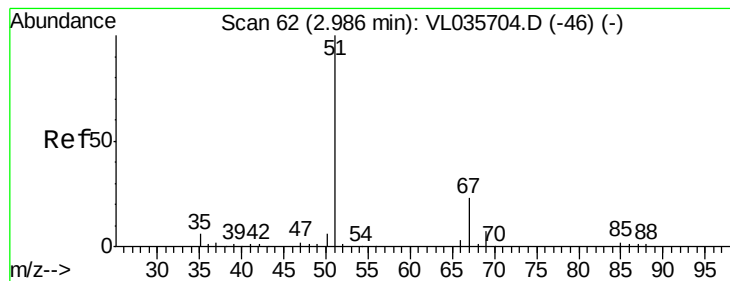
Tgt Ion: 85 Resp: 1738286

Ion Ratio Lower Upper

85 100

87 34.4 27.3 40.9





#3

Chlorodifluoromethane

Concen: 9.616 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

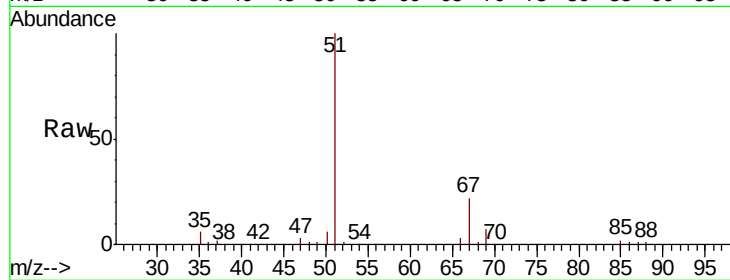
VSTDCCC010EC

Tot Ion: 51 Resp: 1209769

Ion Ratio Lower Upper

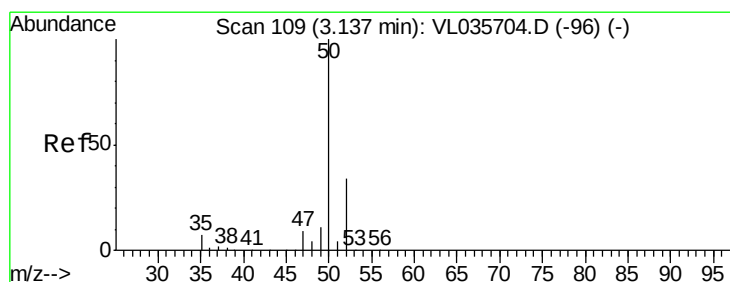
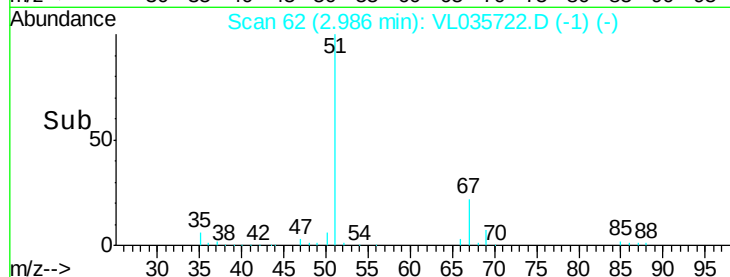
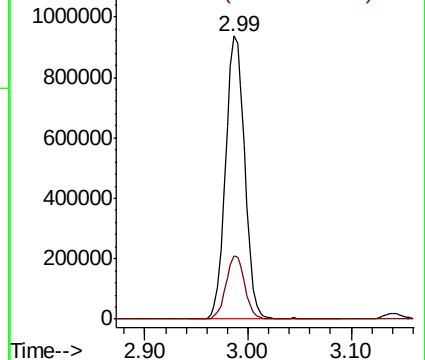
51 100

67 22.0 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: 9.716 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035722.D

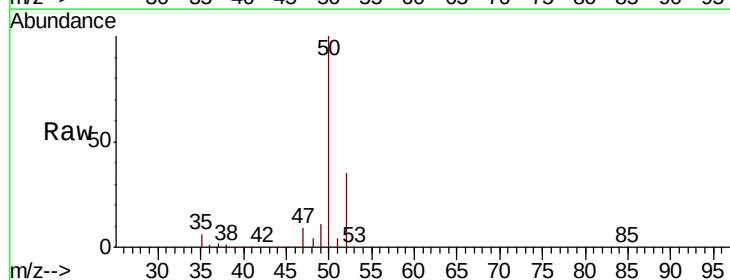
Acq: 23 Sep 2020 17:47

Tgt Ion: 50 Resp: 656593

Ion Ratio Lower Upper

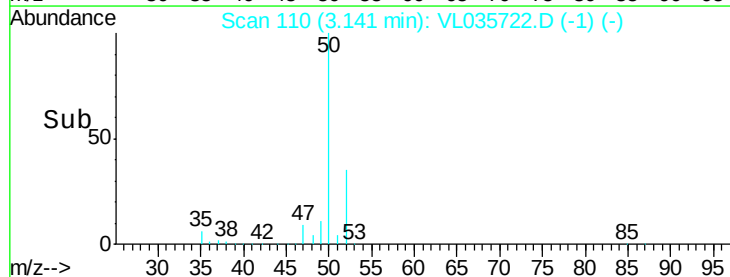
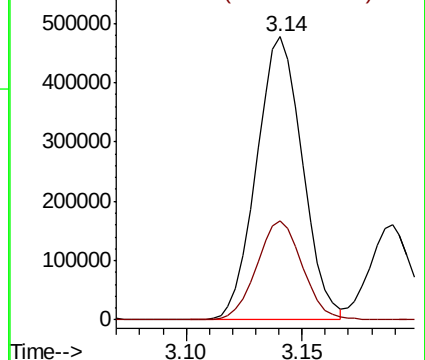
50 100

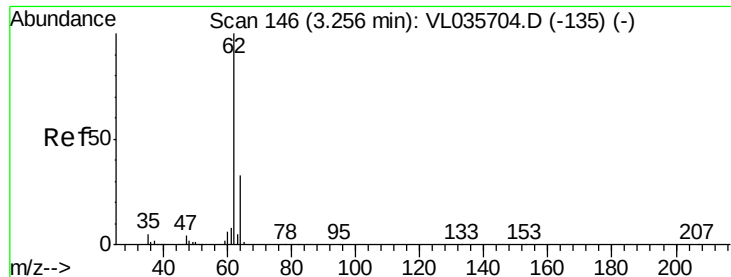
52 34.8 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.806 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

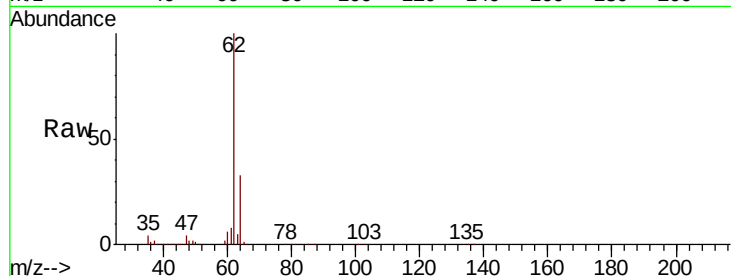
VSTDCCC010EC

Tot Ion: 62 Resp: 783827

Ion Ratio Lower Upper

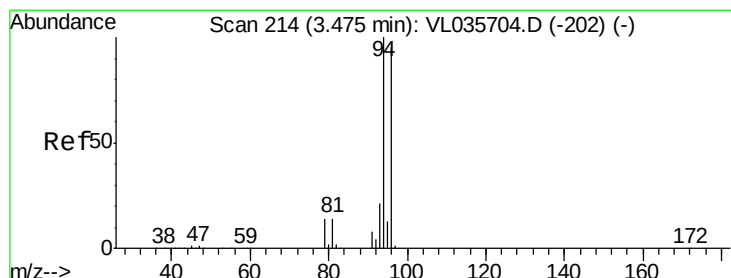
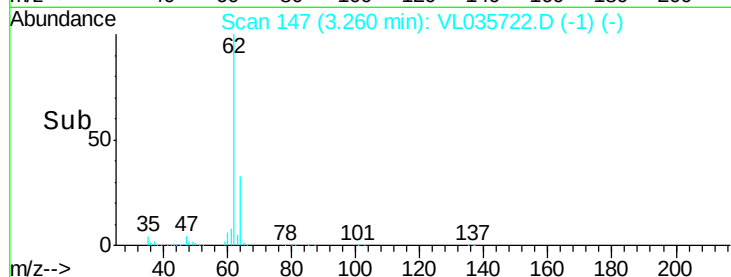
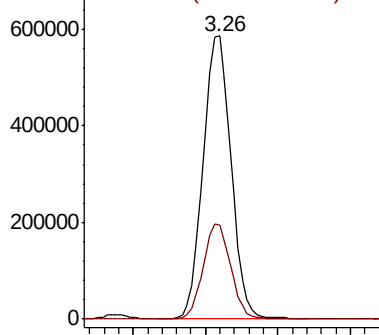
62 100

64 33.0 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.704 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL035722.D

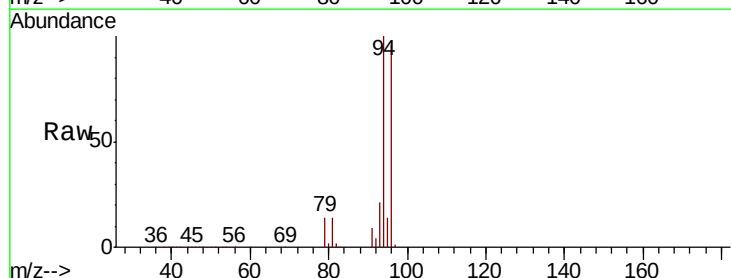
Acq: 23 Sep 2020 17:47

Tgt Ion: 94 Resp: 655713

Ion Ratio Lower Upper

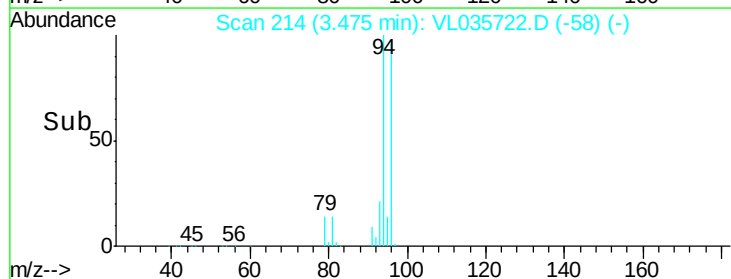
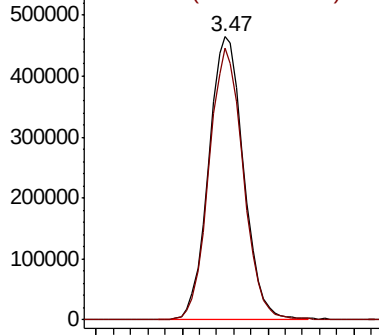
94 100

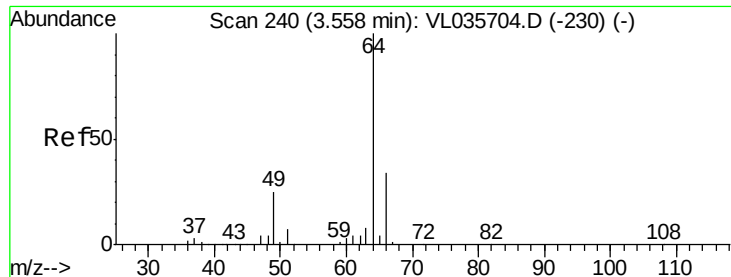
96 95.8 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.861 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

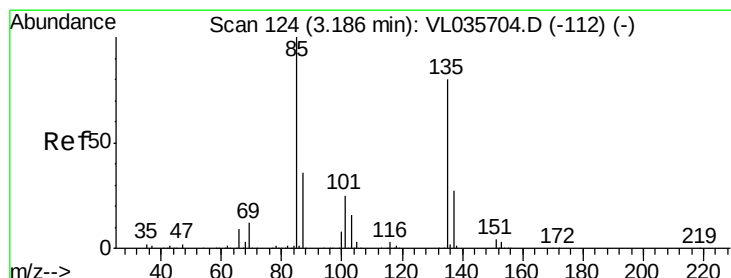
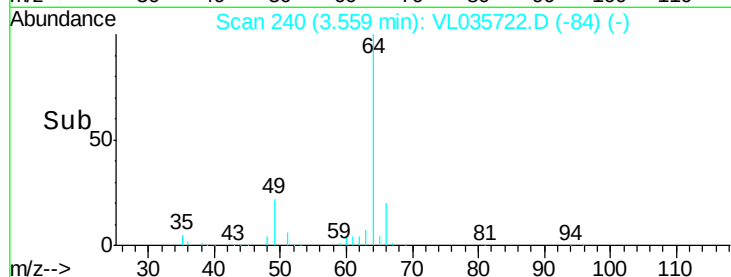
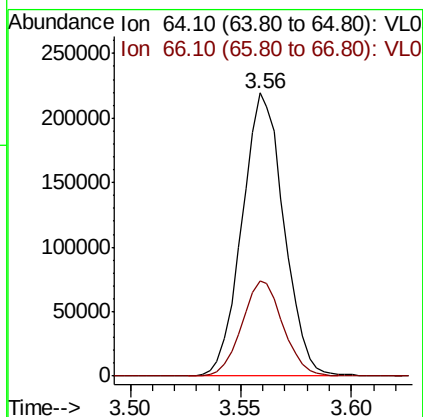
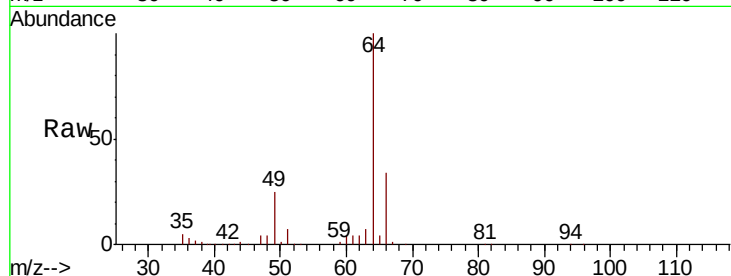
VSTDCCC010EC

Tot Ion: 64 Resp: 289099

Ion Ratio Lower Upper

64 100

66 33.8 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 9.348 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL035722.D

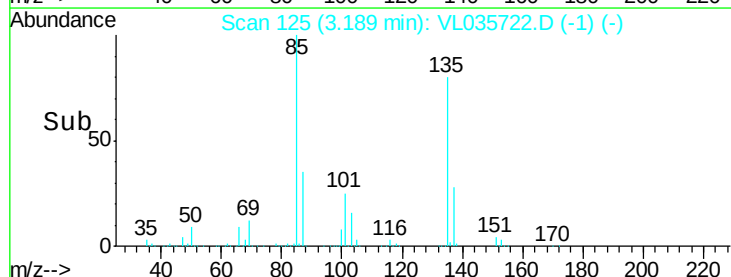
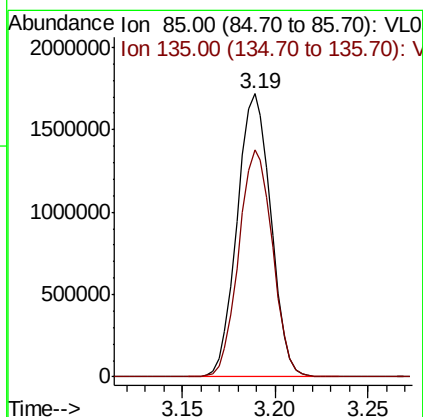
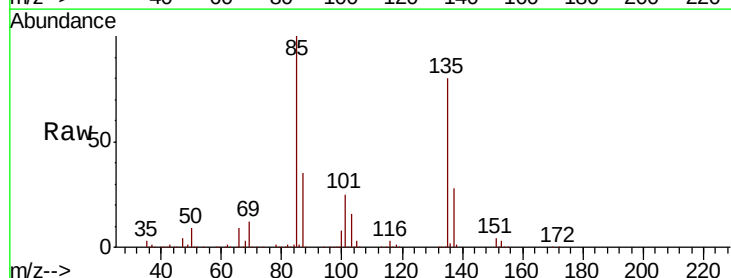
Acq: 23 Sep 2020 17:47

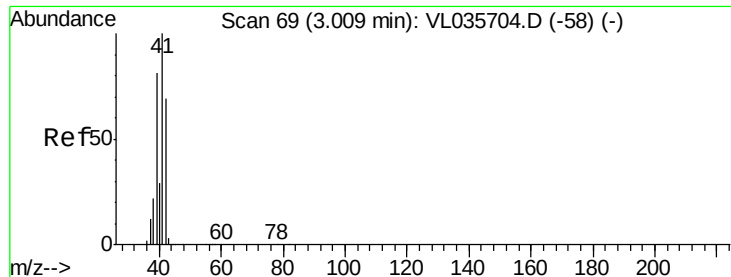
Tgt Ion: 85 Resp: 2175440

Ion Ratio Lower Upper

85 100

135 80.6 64.3 96.5





#9

Propene

Concen: 10.149 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

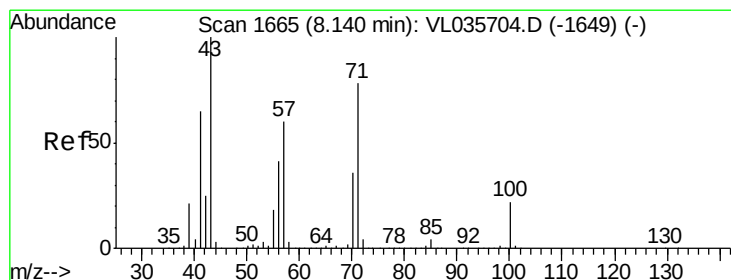
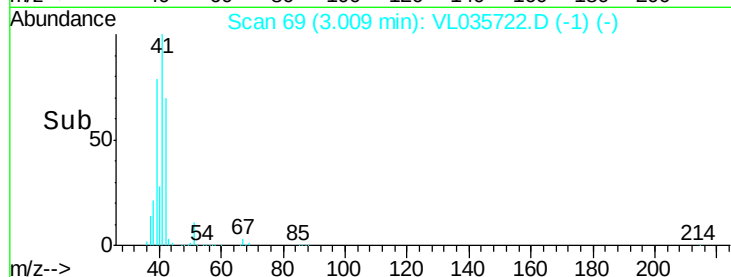
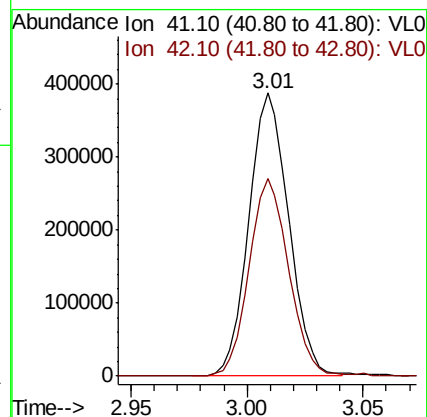
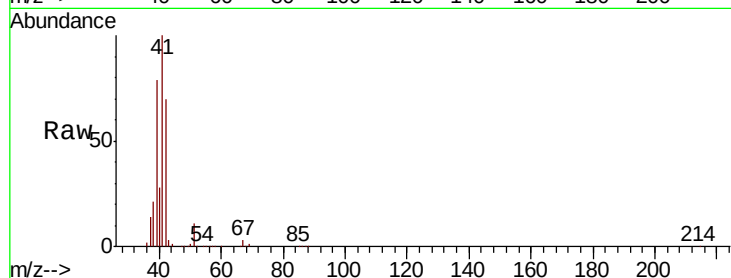
VSTDCCC010EC

Tot Ion: 41 Resp: 463580

Ion Ratio Lower Upper

41 100

42 69.9 56.2 84.4



#10

Heptane

Concen: 10.773 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VL035722.D

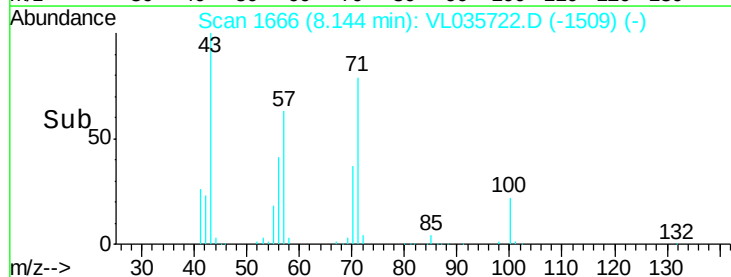
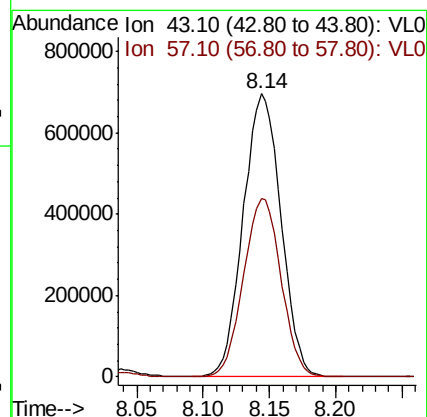
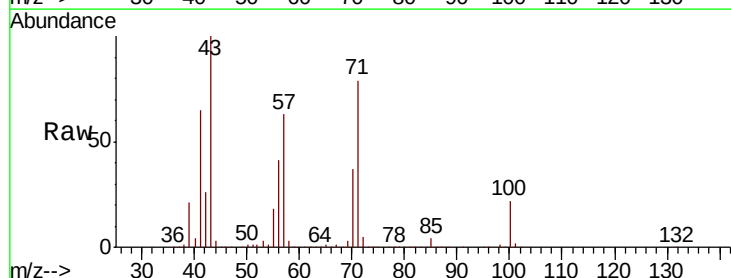
Acq: 23 Sep 2020 17:47

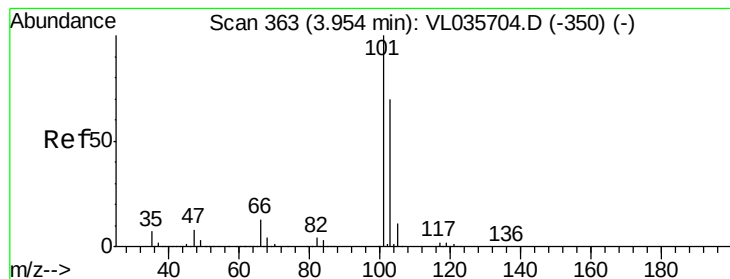
Tgt Ion: 43 Resp: 1371894

Ion Ratio Lower Upper

43 100

57 63.0 50.4 75.6





#11

Trichlorofluoromethane

Concen: 9.496 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

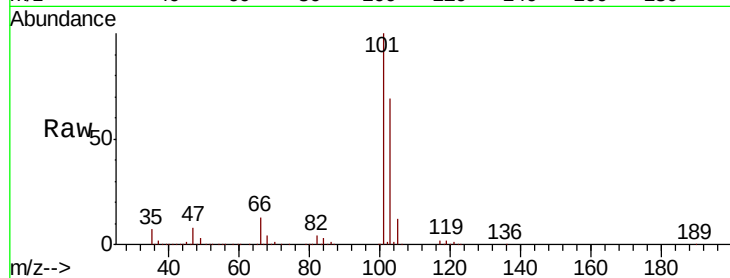
VSTDCCC010EC

Tot Ion:101 Resp: 2599678

Ion Ratio Lower Upper

101 100

103 68.7 55.6 83.4



Abundance Ion 101.00 (100.70 to 101.70): V

2000000 Ion 103.00 (102.70 to 103.70): V

1500000

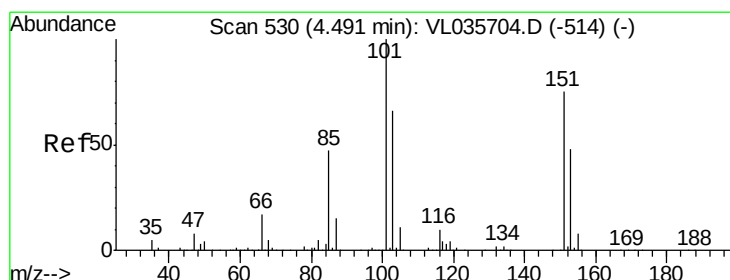
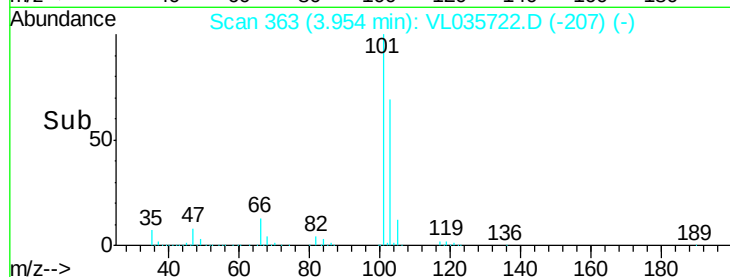
1000000

500000

0

3.90 3.95 4.00

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.540 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.00 min

Lab File: VL035722.D

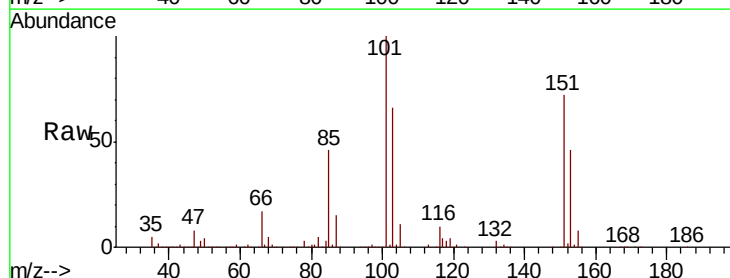
Acq: 23 Sep 2020 17:47

Tgt Ion:101 Resp: 1947029

Ion Ratio Lower Upper

101 100

151 73.5 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

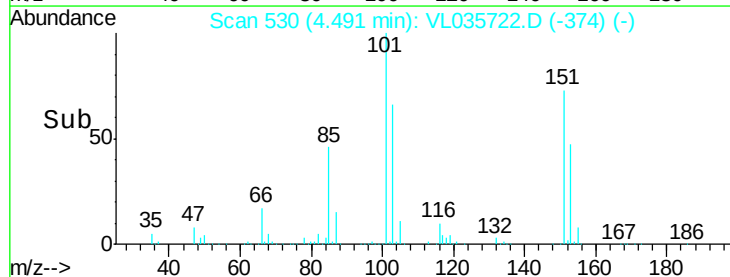
1000000 Ion 151.00 (150.70 to 151.70): V

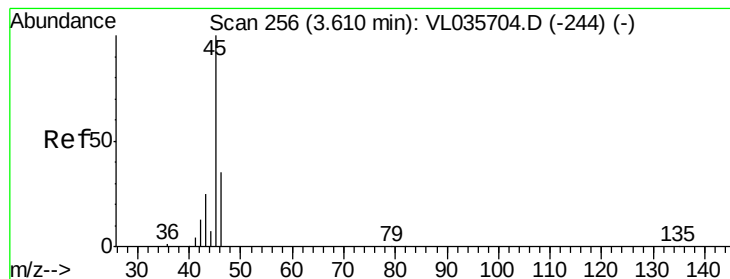
500000

0

4.40 4.45 4.50 4.55

Time-->





#13

Ethanol

Concen: 9.801 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

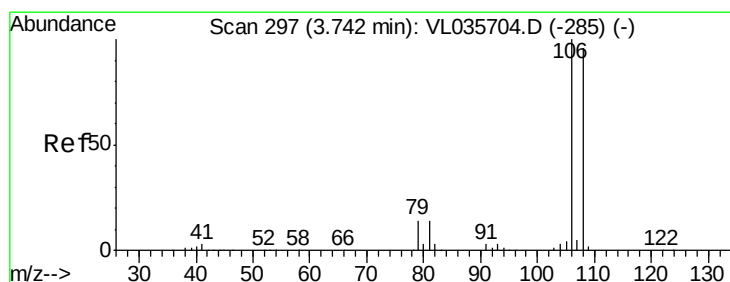
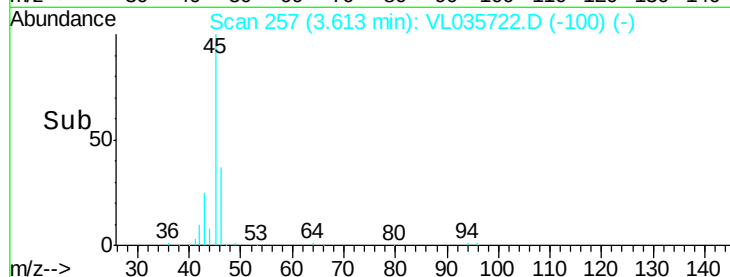
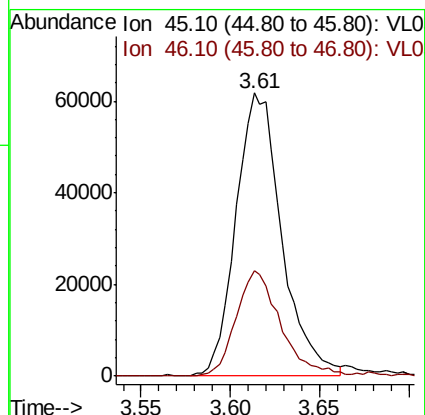
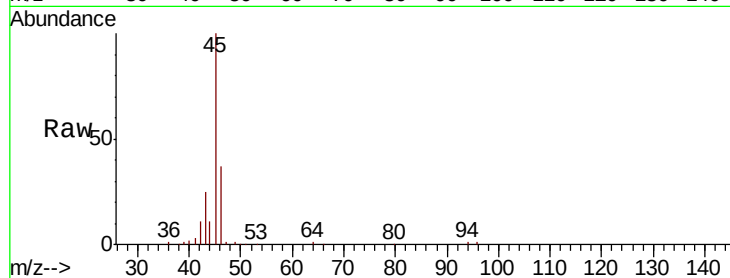
VSTDCCC010EC

Tot Ion: 45 Resp: 110404

Ion Ratio Lower Upper

45 100

46 37.0 14.7 58.7



#14

Bromoethene

Concen: 10.014 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

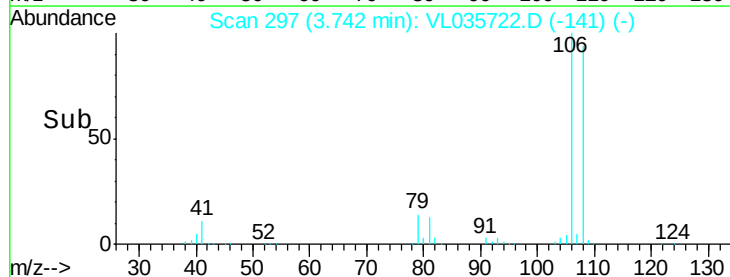
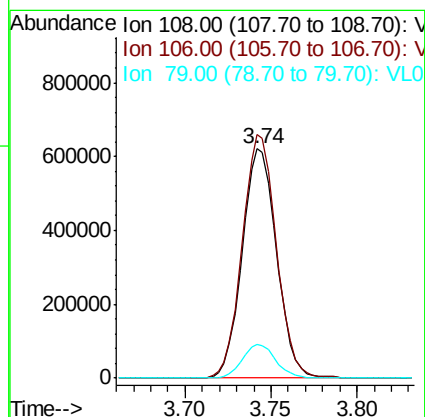
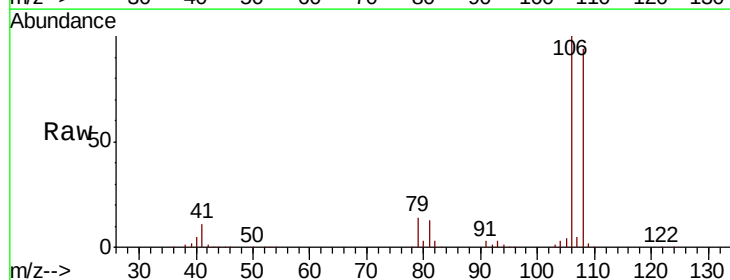
Tgt Ion: 108 Resp: 860890

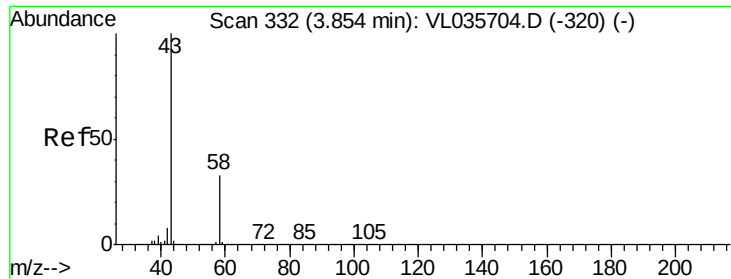
Ion Ratio Lower Upper

108 100

106 105.8 84.6 126.8

79 14.4 11.6 17.4





#15

Acetone

Concen: 8.283 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

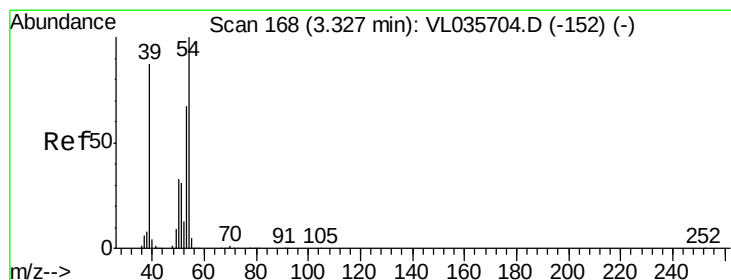
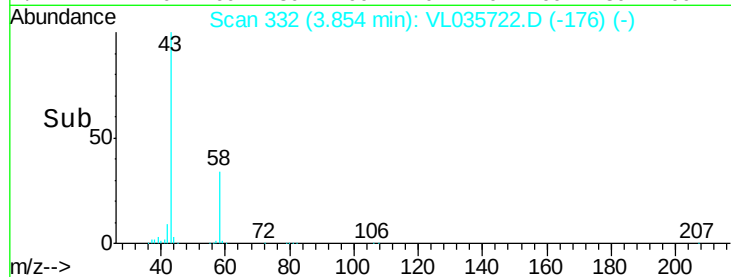
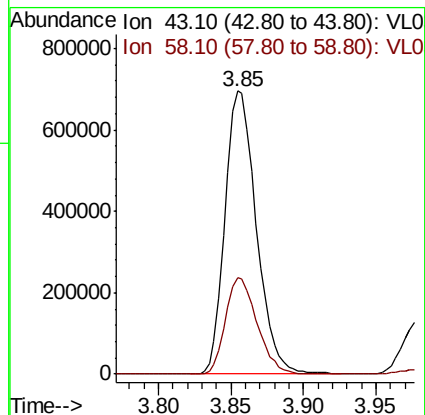
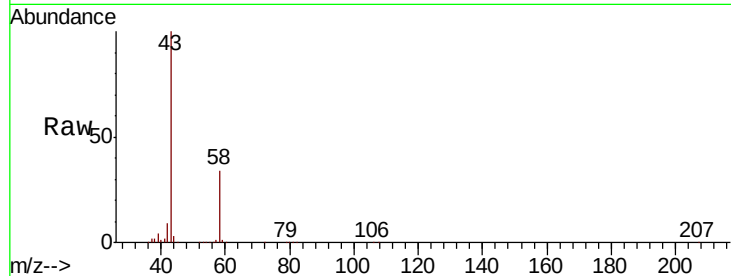
VSTDCCC010EC

Tot Ion: 43 Resp: 1042274

Ion Ratio Lower Upper

43 100

58 34.4 27.3 40.9



#16

1,3-Butadiene

Concen: 10.641 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL035722.D

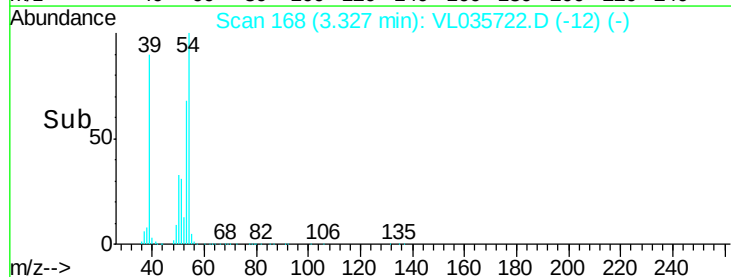
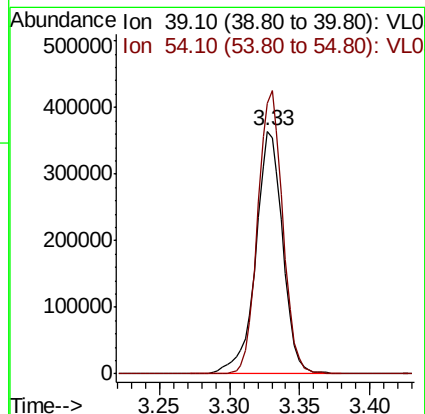
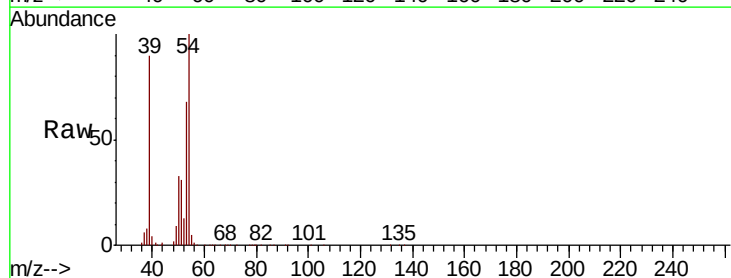
Acq: 23 Sep 2020 17:47

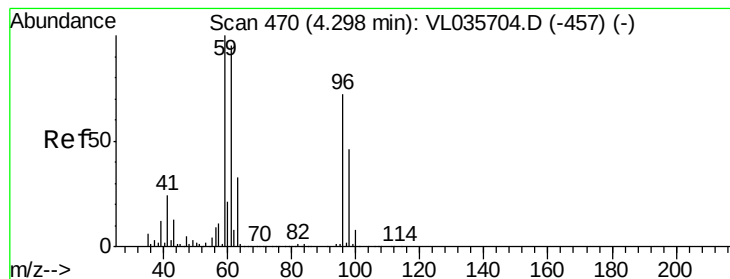
Tgt Ion: 39 Resp: 489834

Ion Ratio Lower Upper

39 100

54 108.2 87.4 131.0





#17

tert-Butyl alcohol

Concen: 11.060 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

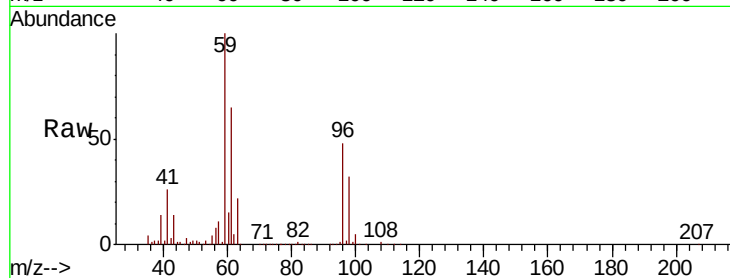
VSTDCCC010EC

Tot Ion: 59 Resp: 1515907

Ion Ratio Lower Upper

59 100

57 10.8 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

800000

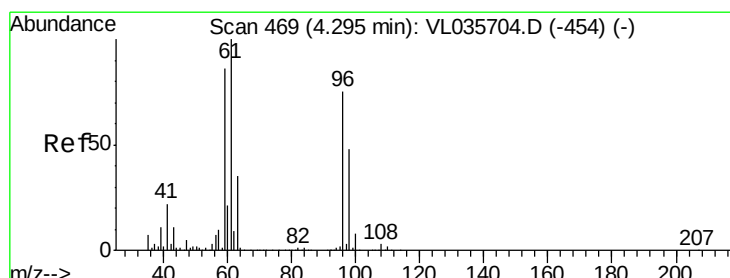
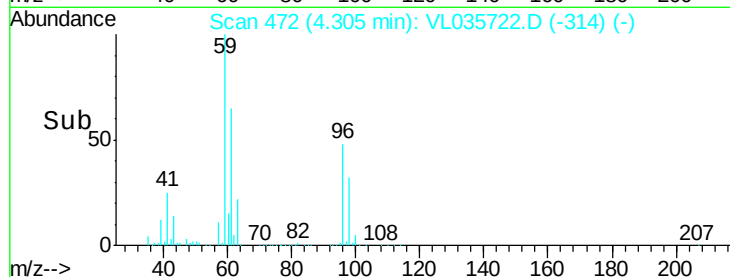
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.002 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

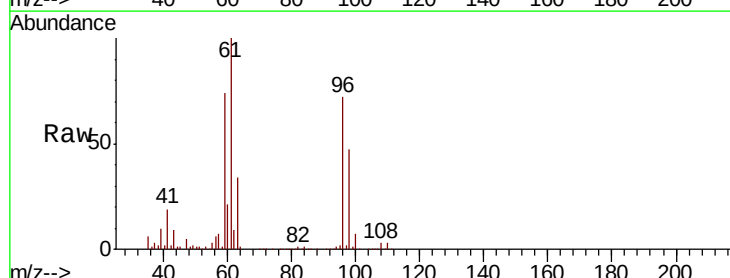
Tgt Ion: 96 Resp: 893722

Ion Ratio Lower Upper

96 100

61 138.6 106.7 160.1

98 65.3 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

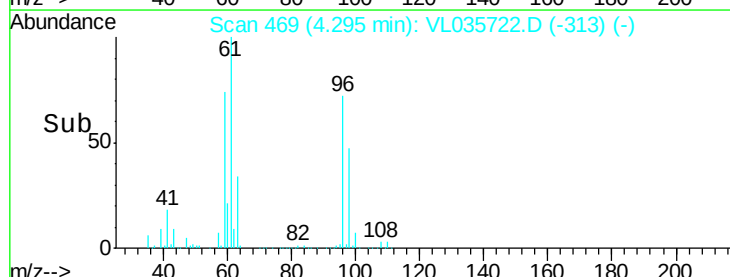
600000

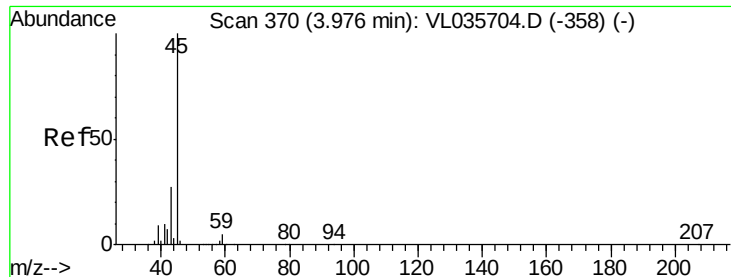
400000

200000

0

Time-->



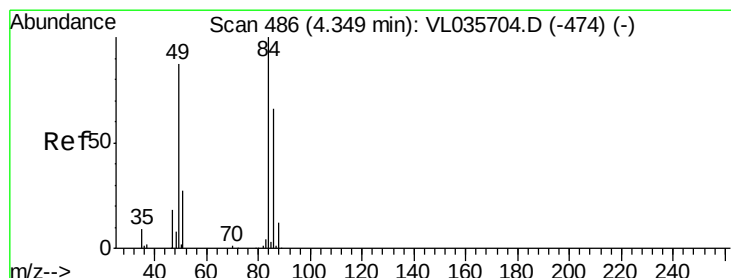
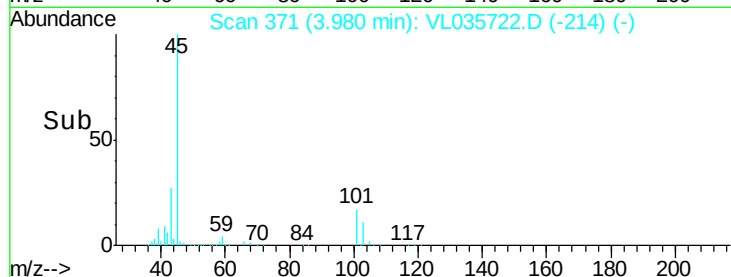
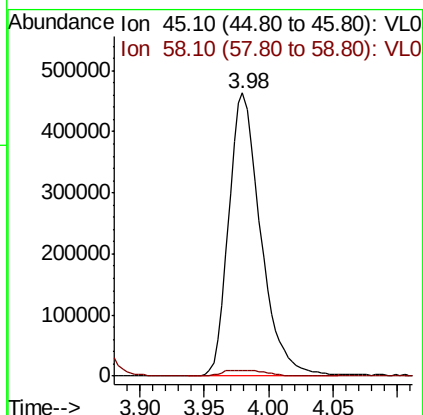
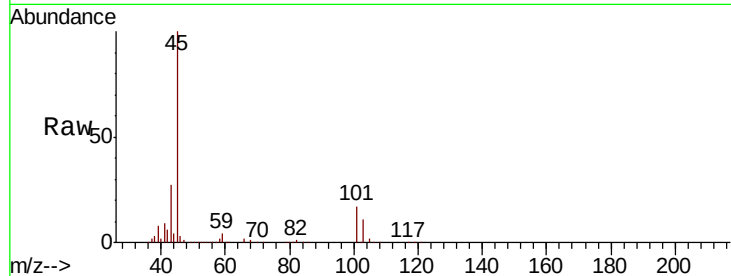


#19

Isopropyl Alcohol
 Concen: 11.658 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

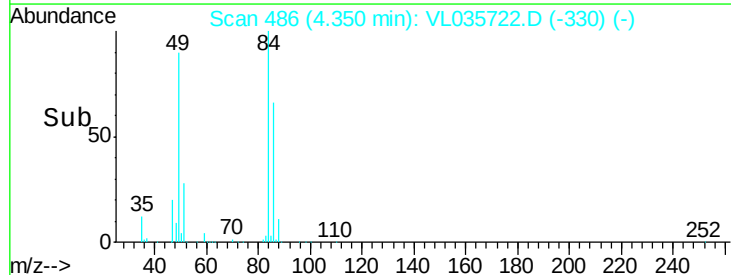
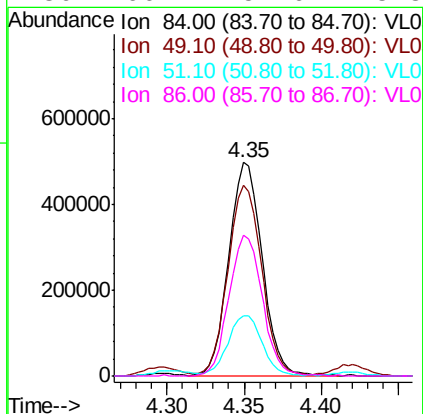
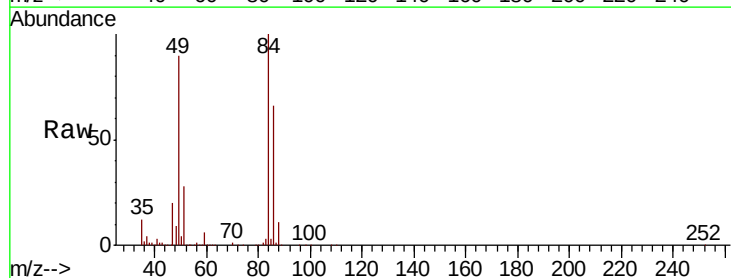
Tot Ion: 45 Resp: 797949
 Ion Ratio Lower Upper
 45 100
 58 3.1 2.8 4.2

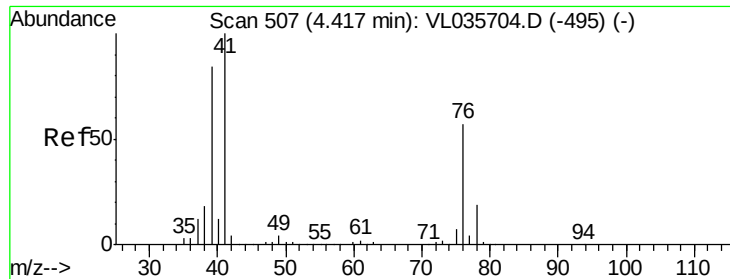


#20

Methylene Chloride
 Concen: 8.019 ppbv
 RT: 4.35 min Scan# 486
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 84 Resp: 741206
 Ion Ratio Lower Upper
 84 100
 49 88.5 69.8 104.6
 51 27.1 21.8 32.8
 86 66.2 52.6 78.8





#21

Allvl Chloride

Concen: 10.338 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

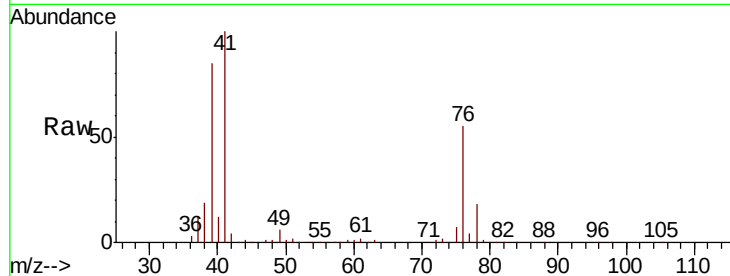
Tot Ion: 41 Resp: 630549

Ion Ratio Lower Upper

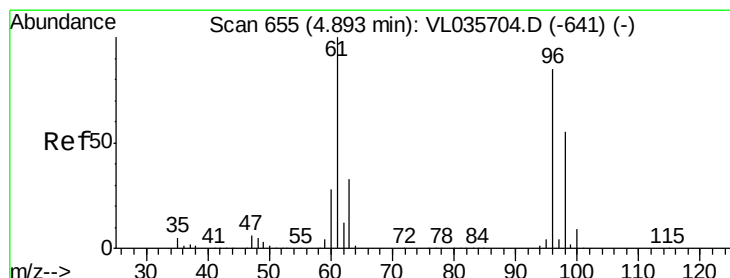
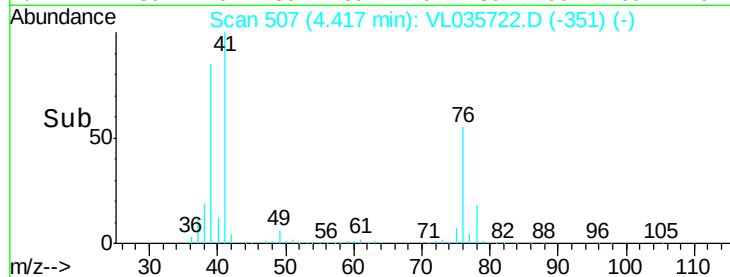
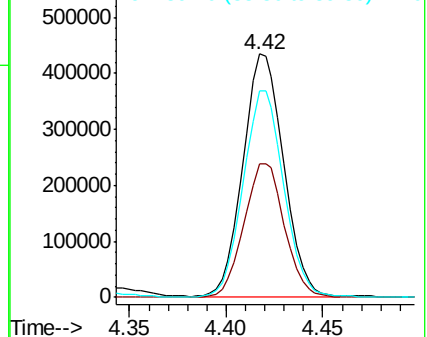
41 100

76 55.4 44.8 67.2

39 85.6 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: 9.889 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

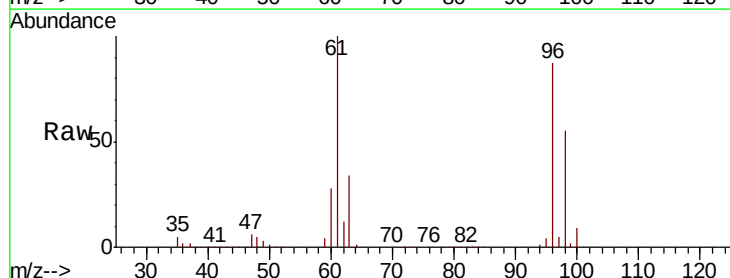
Tgt Ion: 96 Resp: 933587

Ion Ratio Lower Upper

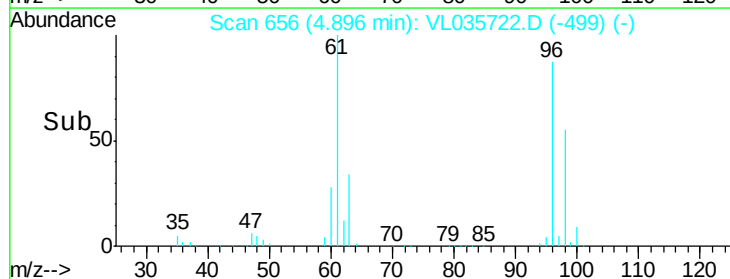
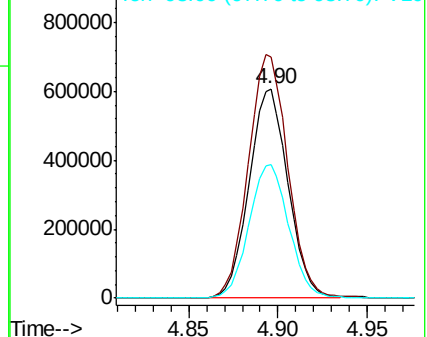
96 100

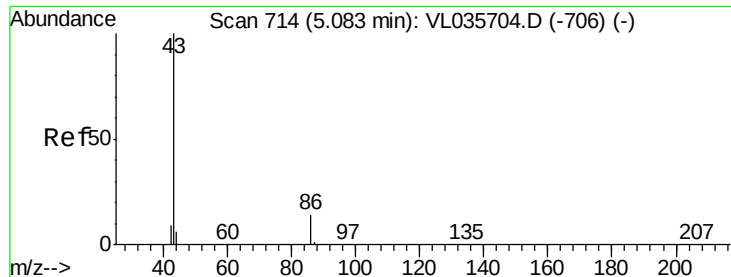
61 115.0 93.7 140.5

98 63.6 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: 10.601 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

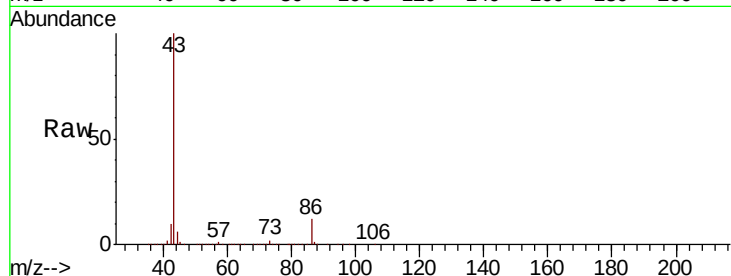
MSVOA_L

ClientSampleId :

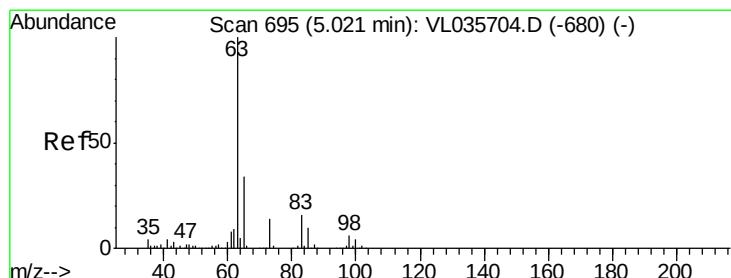
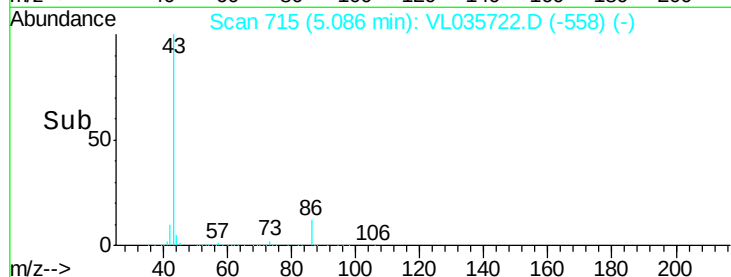
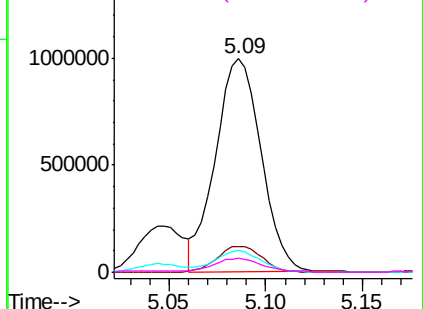
VSTDCCC010EC

Tot Ion: 43 Resp: 1633767

Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.7	14.5
42	10.2	7.9	11.9
44	6.2	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: 9.651 ppbv

RT: 5.02 min Scan# 695

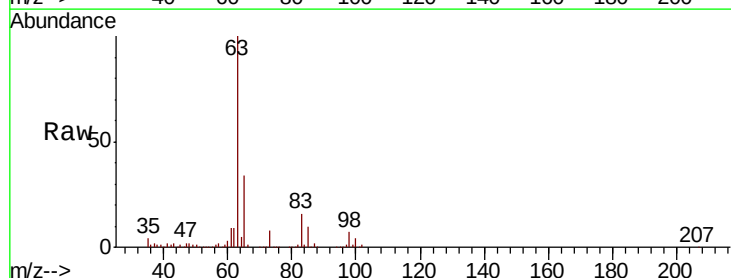
Delta R.T. 0.00 min

Lab File: VL035722.D

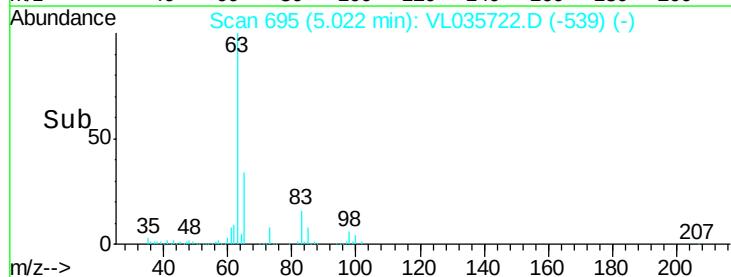
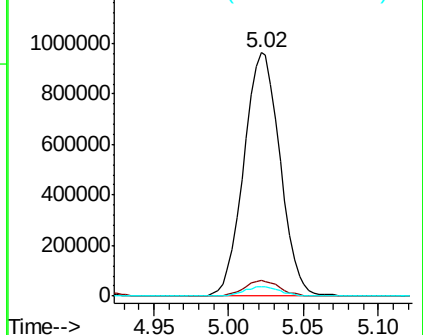
Acq: 23 Sep 2020 17:47

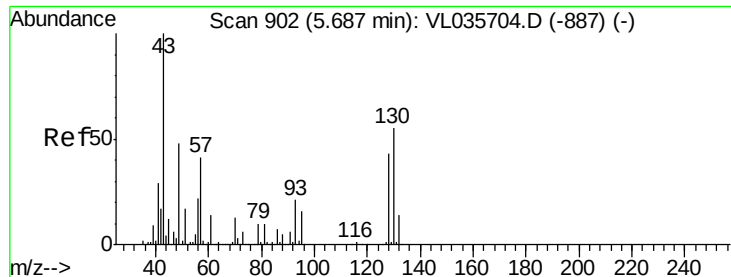
Tgt Ion: 63 Resp: 1620085

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.3	9.8
100	4.0	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

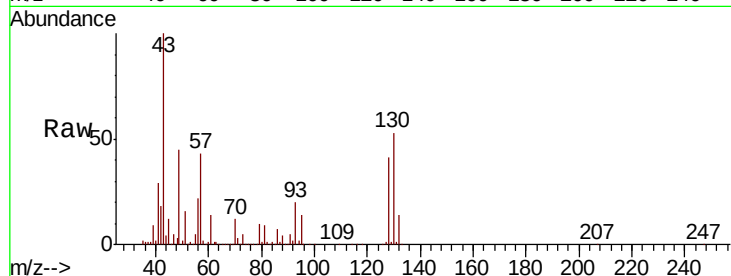




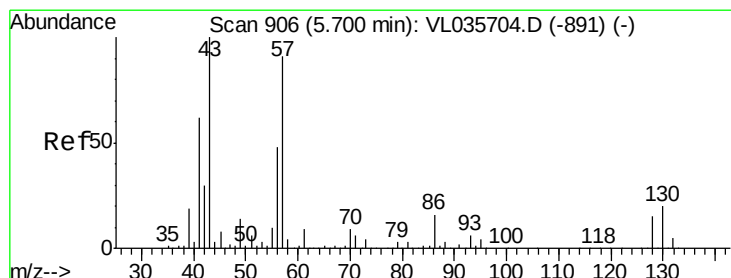
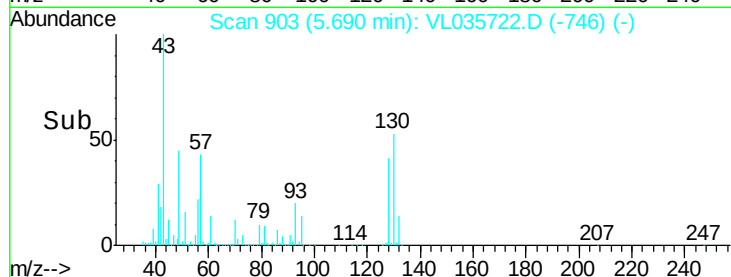
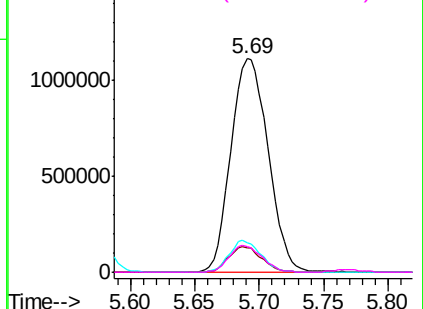
#25
Ethyl Acetate
Concen: 9.851 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2230439
Ion Ratio Lower Upper
43 100
45 10.6 8.6 12.8
61 12.7 10.4 15.6
70 11.1 8.9 13.3

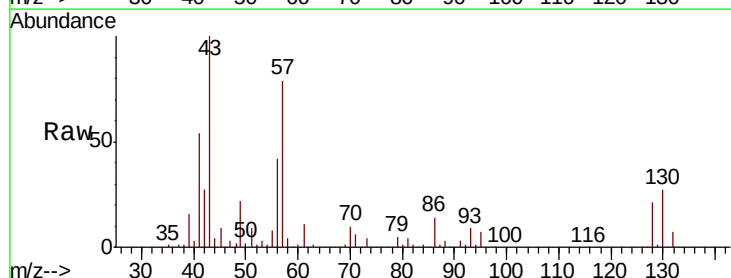


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

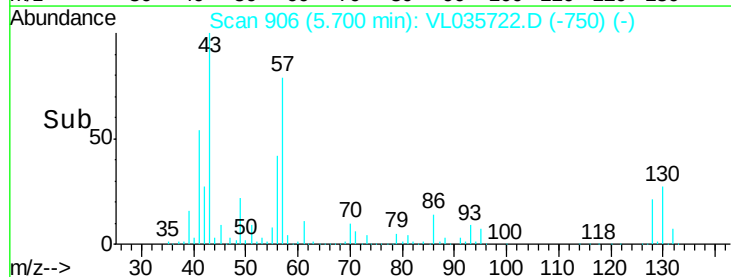
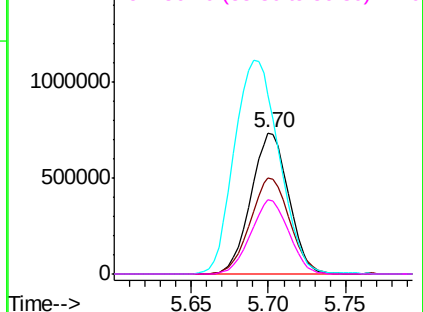


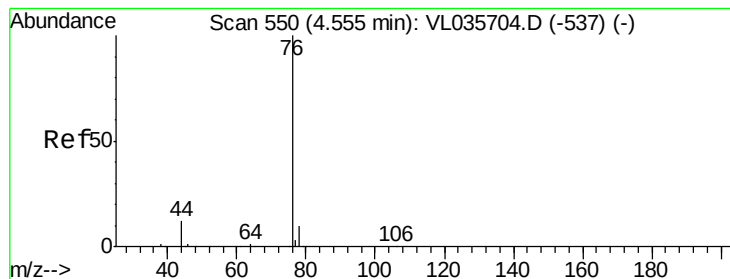
#26
Hexane
Concen: 10.006 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 57 Resp: 1241489
Ion Ratio Lower Upper
57 100
41 72.0 57.9 86.9
43 180.4 143.8 215.6
56 53.2 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: 10.650 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

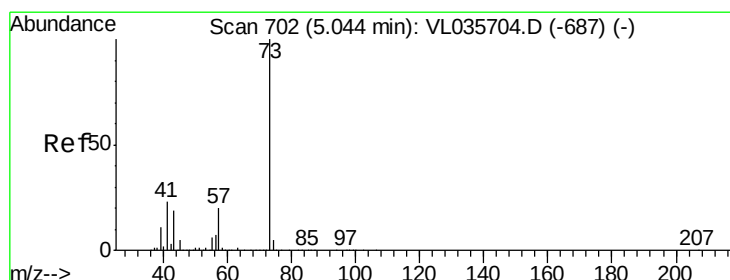
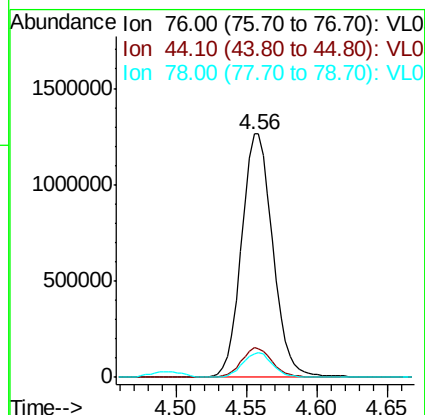
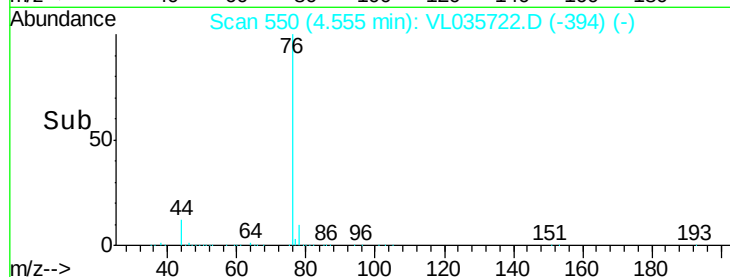
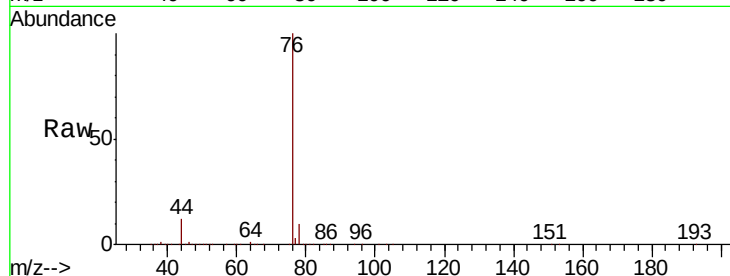
Tot Ion: 76 Resp: 1969558

Ion Ratio Lower Upper

76 100

44 11.8 9.7 14.5

78 9.7 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 10.521 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL035722.D

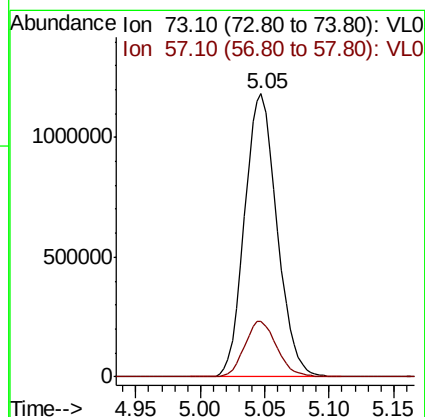
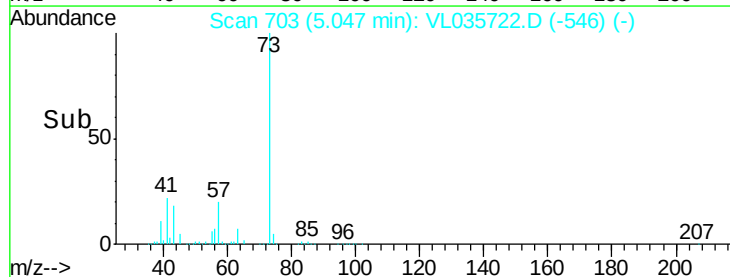
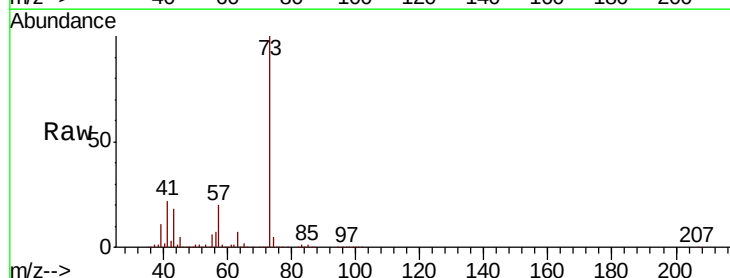
Acq: 23 Sep 2020 17:47

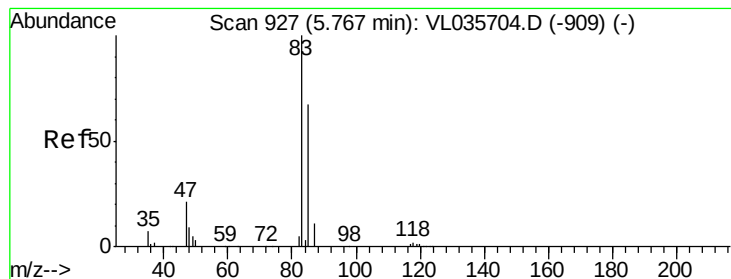
Tgt Ion: 73 Resp: 2069160

Ion Ratio Lower Upper

73 100

57 19.7 15.6 23.4





#29

Chloroform

Concen: 9.719 ppbv

RT: 5.77 min Scan# 927

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

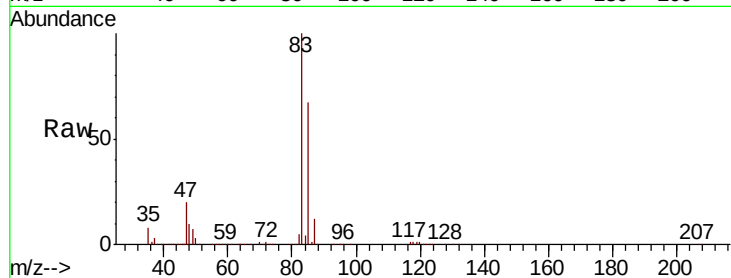
VSTDCCC010EC

Tot Ion: 83 Resp: 2448841

Ion Ratio Lower Upper

83 100

85 67.0 54.0 81.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.77

1500000

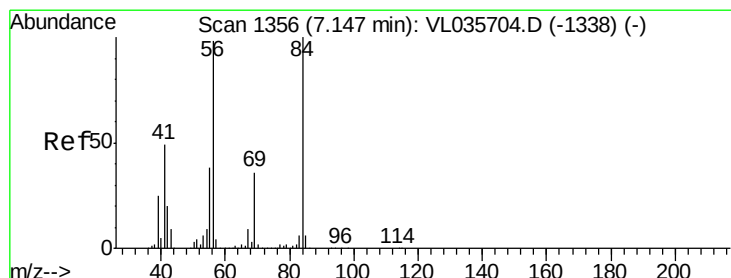
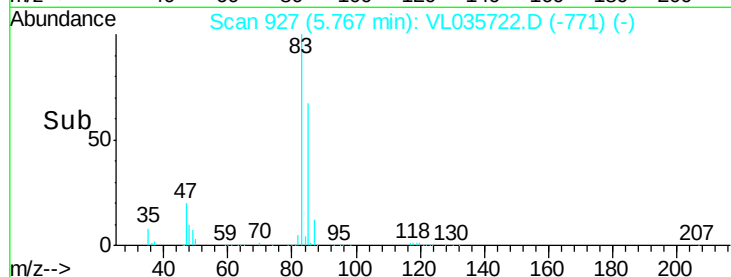
1000000

500000

0

Time-->

5.70 5.75 5.80 5.85



#30

Cyclohexane

Concen: 11.065 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

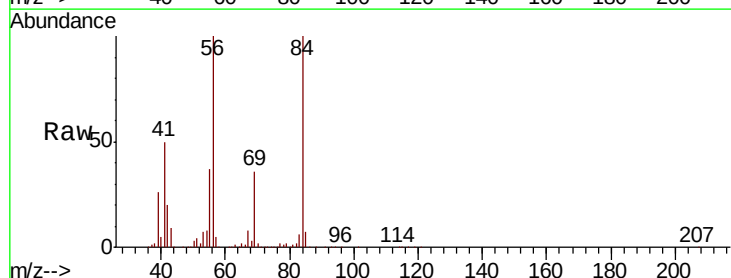
Tgt Ion: 84 Resp: 1354477

Ion Ratio Lower Upper

84 100

56 104.8 84.6 127.0

41 51.1 41.1 61.7



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

800000

600000

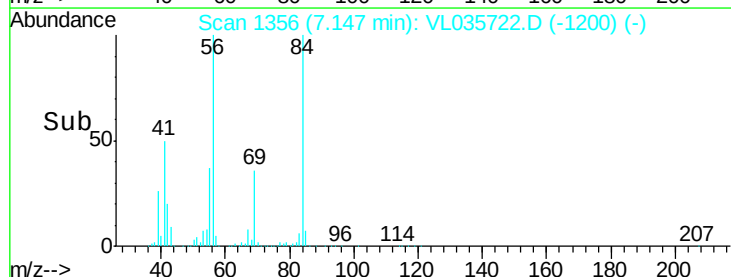
400000

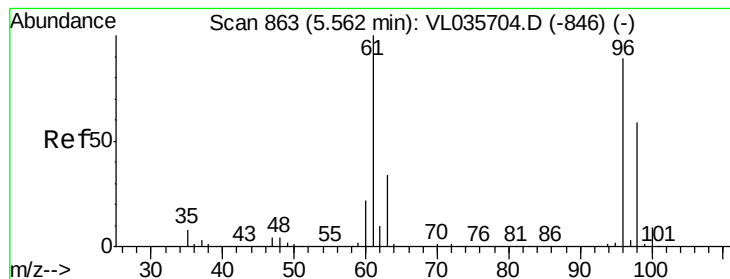
200000

0

Time-->

7.05 7.10 7.15 7.20 7.25





#31

cis-1,2-Dichloroethene

Concen: 10.934 ppbv

RT: 5.56 min Scan# 864

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

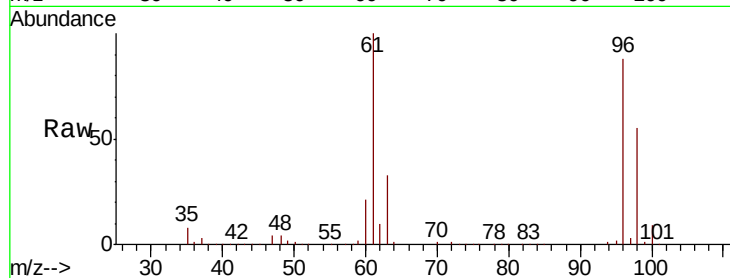
Tot Ion: 61 Resp: 1309590

Ion Ratio Lower Upper

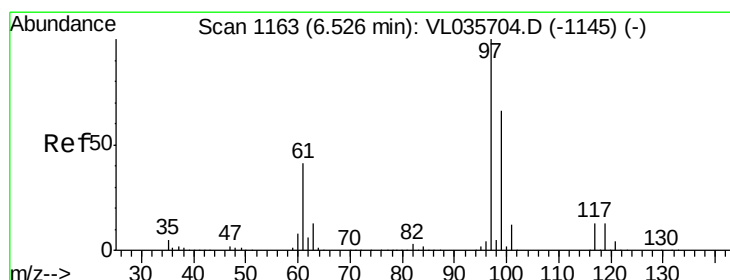
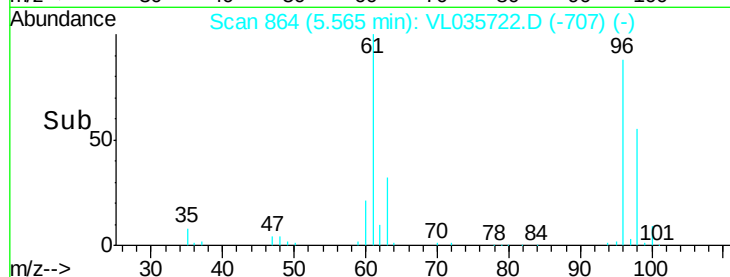
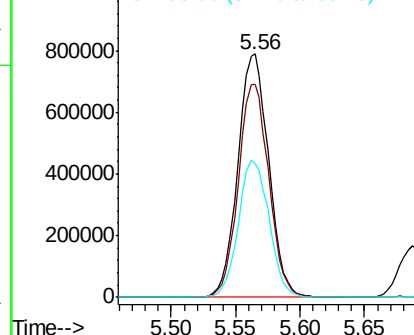
61 100

96 87.5 71.4 107.2

98 55.0 47.4 71.2



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



#32

1,1,1-Trichloroethane

Concen: 10.581 ppbv

RT: 6.53 min Scan# 1164

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

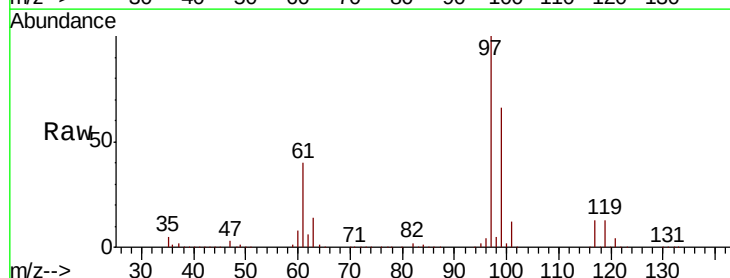
Tgt Ion: 97 Resp: 2350146

Ion Ratio Lower Upper

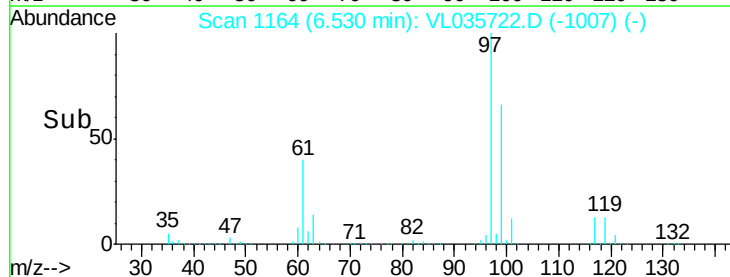
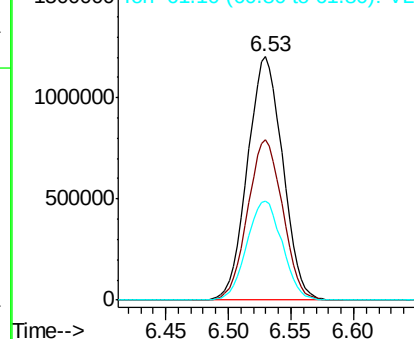
97 100

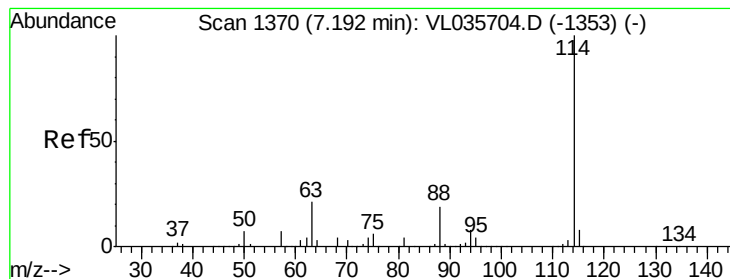
99 65.5 52.7 79.1

61 41.2 32.7 49.1



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

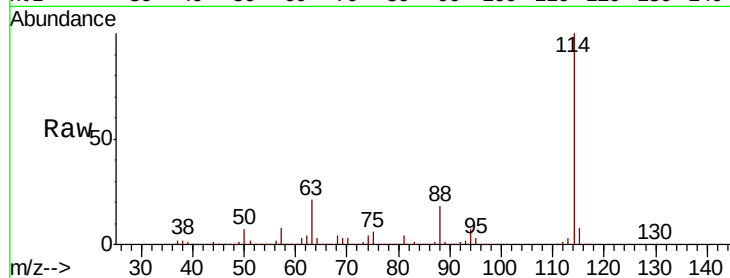
Tot Ion:114 Resp: 4488974

Ion Ratio Lower Upper

114 100

63 20.1 16.1 24.1

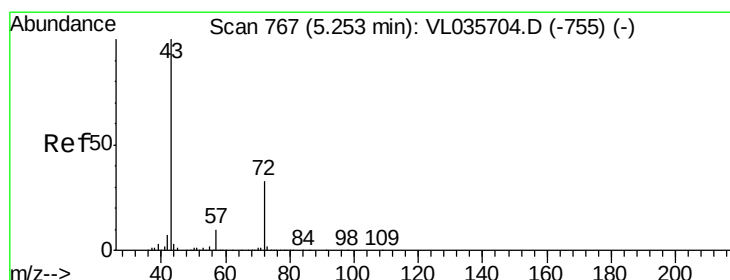
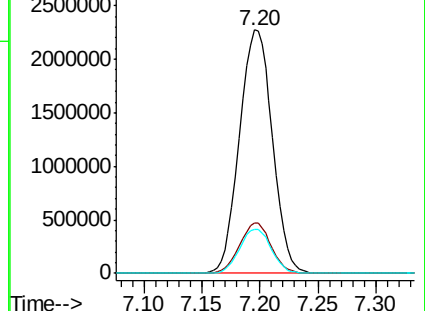
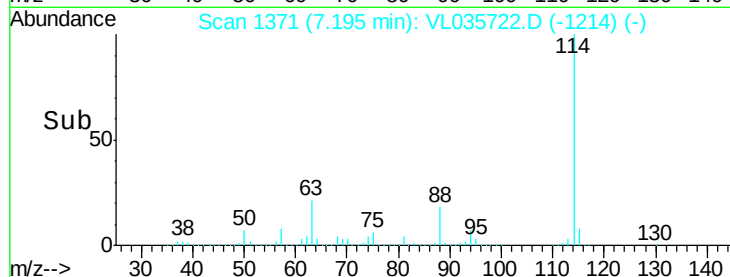
88 17.5 14.1 21.1



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: 10.160 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL035722.D

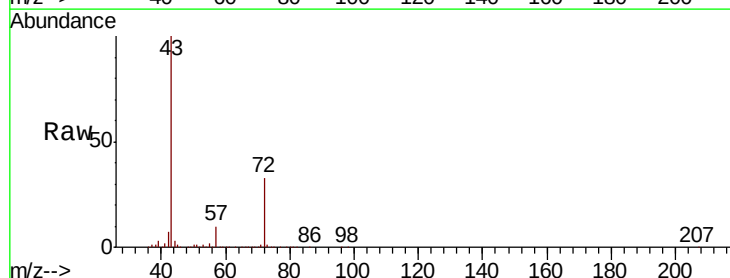
Acq: 23 Sep 2020 17:47

Tgt Ion: 43 Resp: 1508480

Ion Ratio Lower Upper

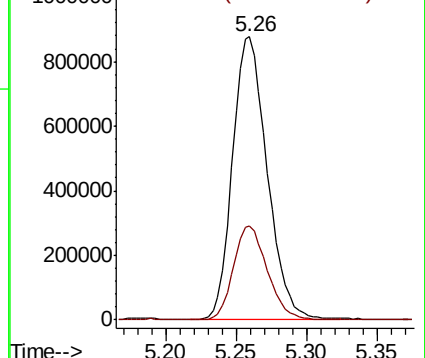
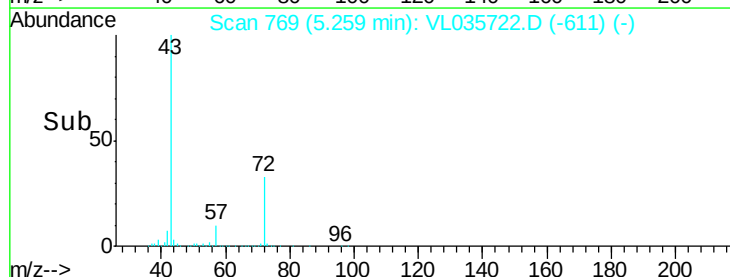
43 100

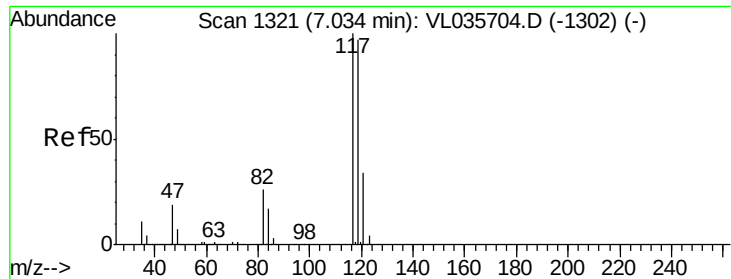
72 32.7 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.400 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

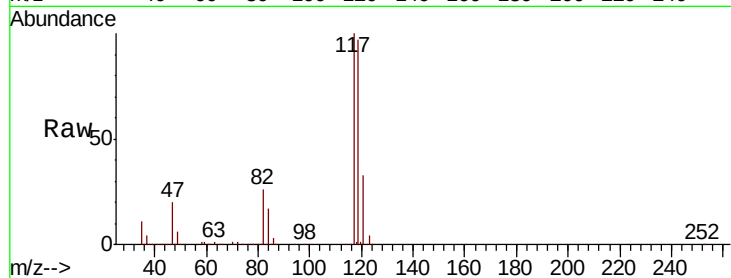
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2434029

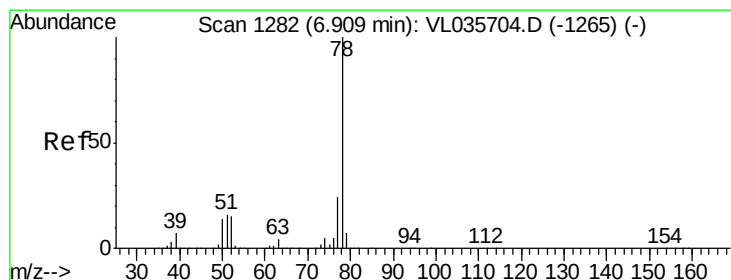
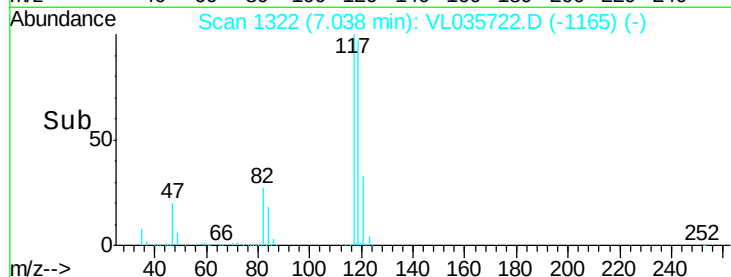
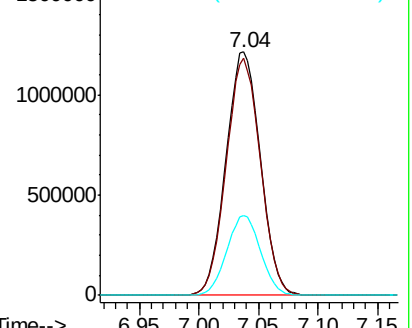
Ion	Ratio	Lower	Upper
117	100		
119	97.4	77.7	116.5
121	32.7	26.9	40.3



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: 10.495 ppbv

RT: 6.91 min Scan# 1282

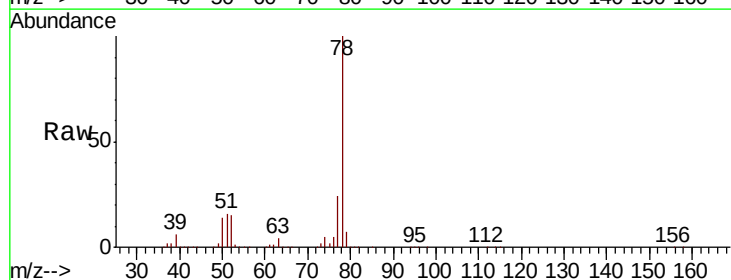
Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion: 78 Resp: 3069822

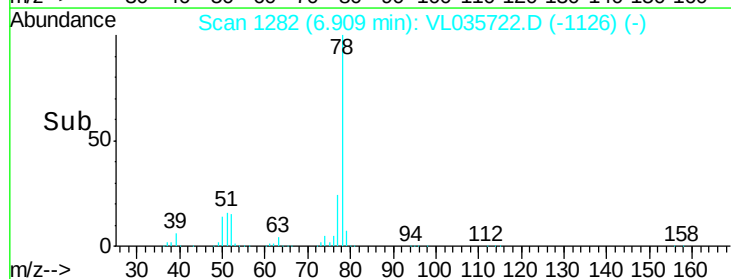
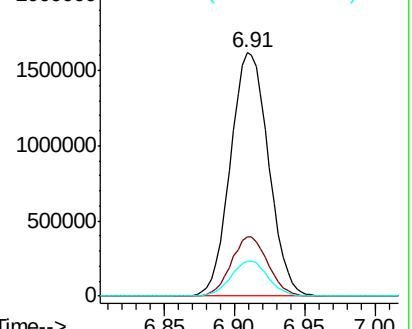
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.3	28.9
50	14.2	11.6	17.4

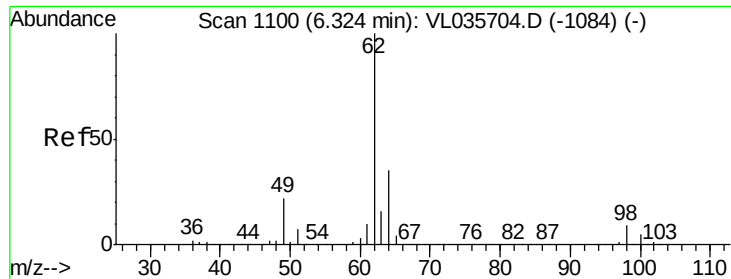


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

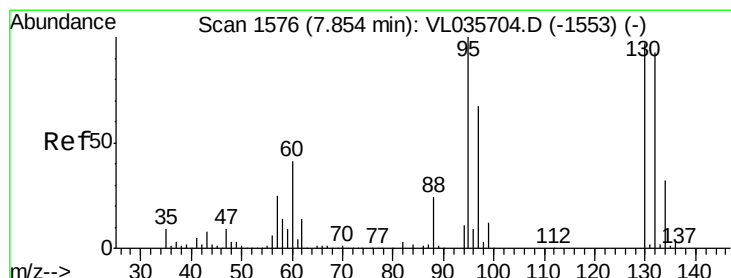
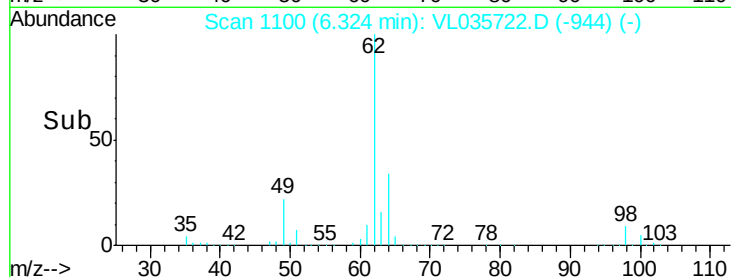
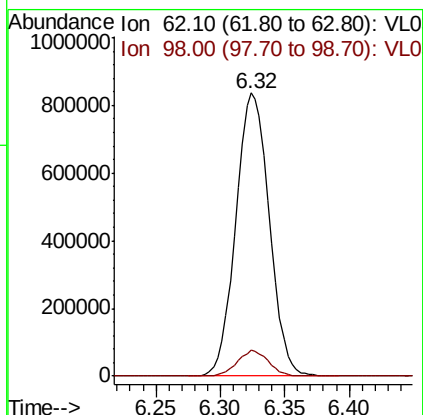
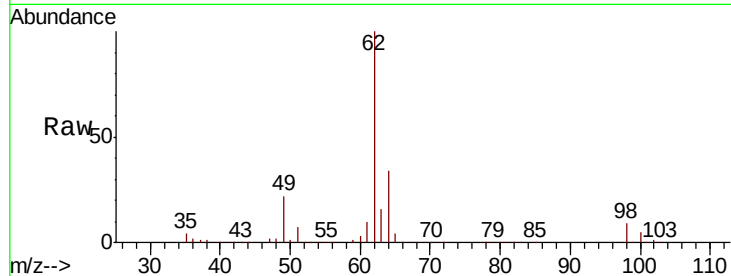




#37
 1,2-Dichloroethane
 Concen: 9.902 ppbv
 RT: 6.32 min Scan# 1100
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

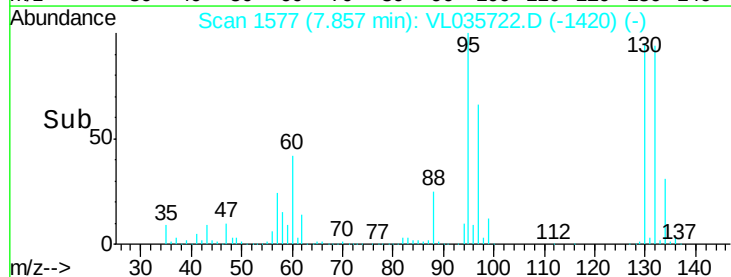
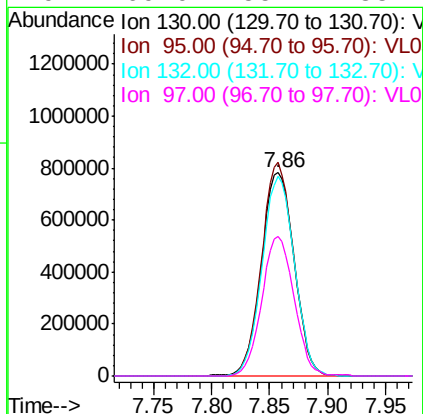
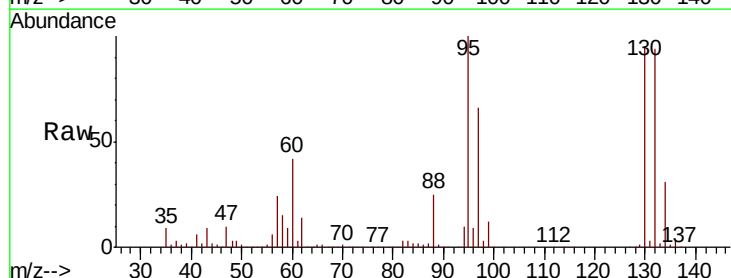
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

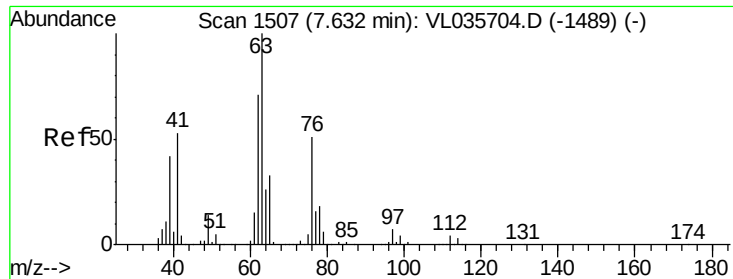
Tot Ion: 62 Resp: 1509596
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3



#38
 Trichloroethene
 Concen: 10.592 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 130 Resp: 1545549
 Ion Ratio Lower Upper
 130 100
 95 105.2 82.4 123.6
 132 98.5 76.8 115.2
 97 69.0 55.4 83.2

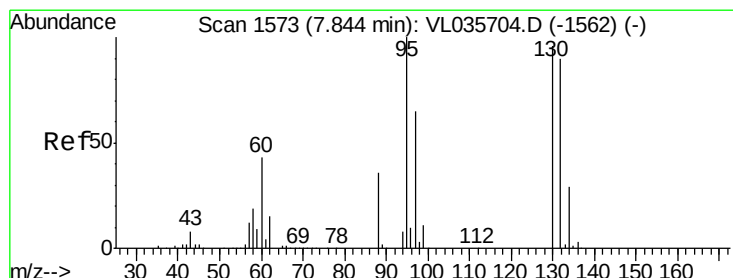
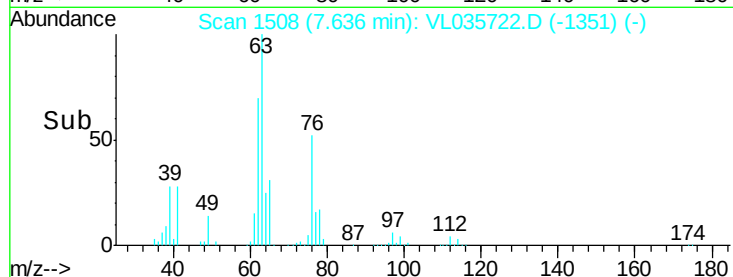
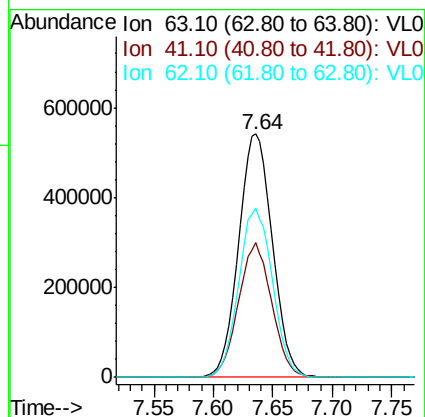
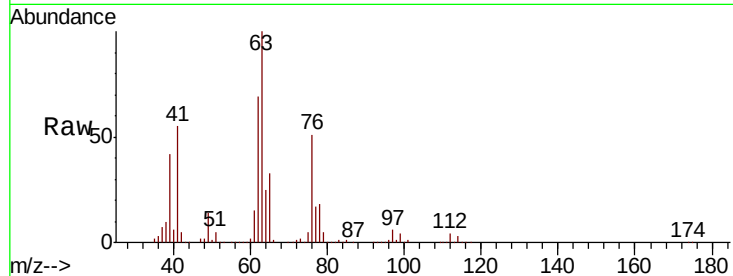




#39
 1,2-Dichloropropane
 Concen: 10.033 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

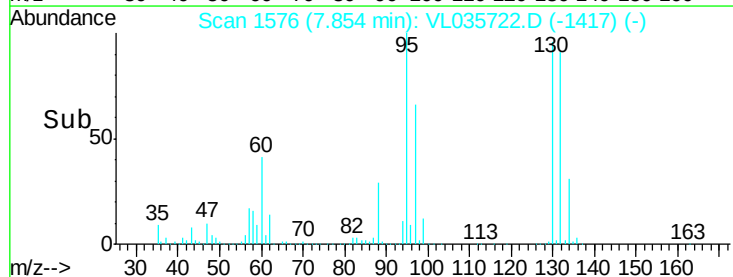
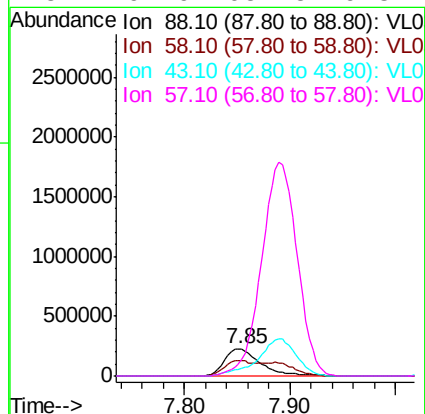
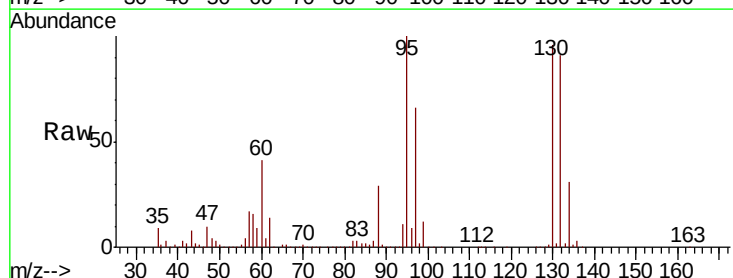
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

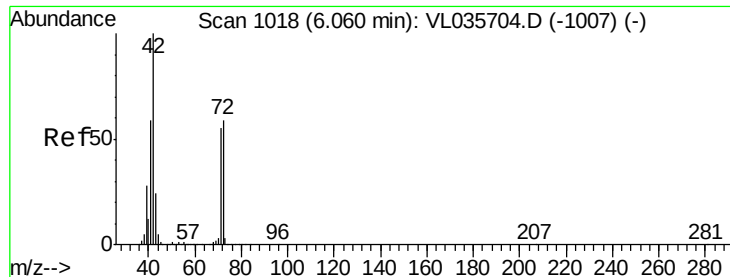
Tot Ion: 63 Resp: 1063688
 Ion Ratio Lower Upper
 63 100
 41 55.1 42.6 63.8
 62 69.5 56.5 84.7



#40
 1,4-Dioxane
 Concen: 10.946 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 88 Resp: 530729
 Ion Ratio Lower Upper
 88 100
 58 96.5 76.2 114.4
 43 149.4 123.4 185.2
 57 794.9 652.5 978.7





#41

Tetrahydrofuran

Concen: 11.555 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

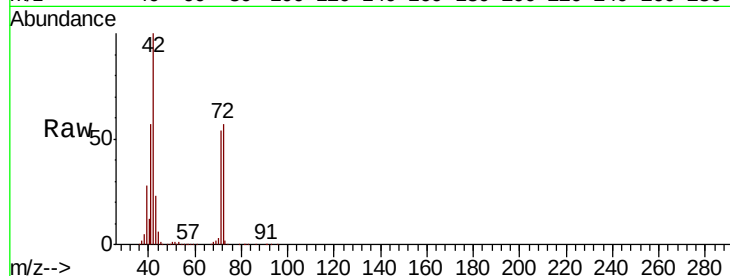
Tot Ion: 42 Resp: 864327

Ion Ratio Lower Upper

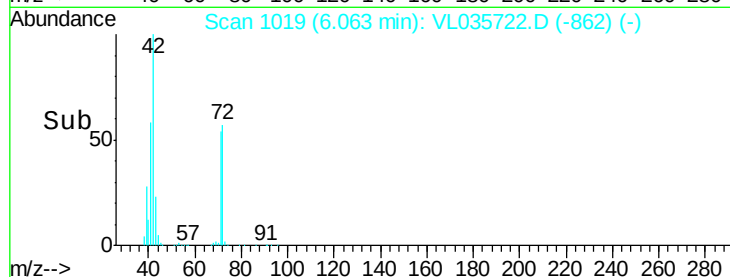
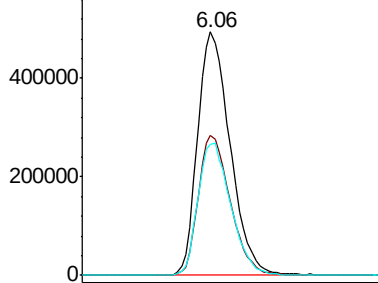
42 100

72 56.8 46.2 69.4

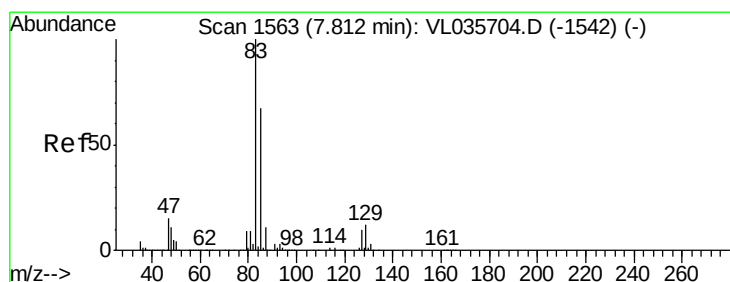
71 55.1 44.2 66.4



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



Time-->



#42

Bromodichloromethane

Concen: 10.323 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

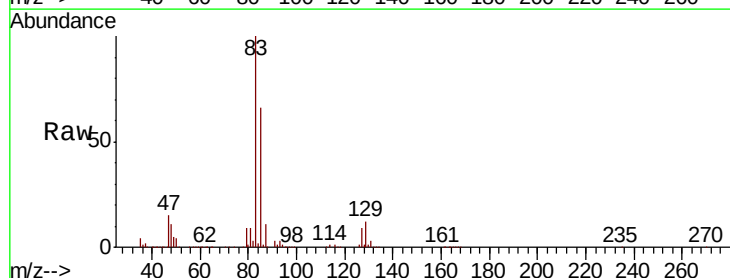
Tgt Ion: 83 Resp: 2535030

Ion Ratio Lower Upper

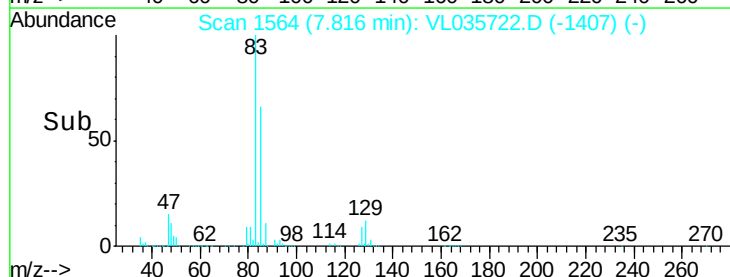
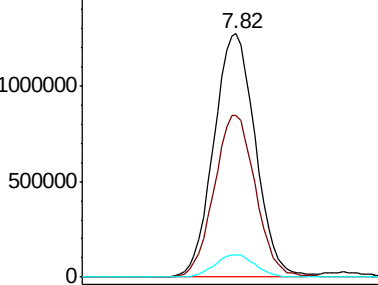
83 100

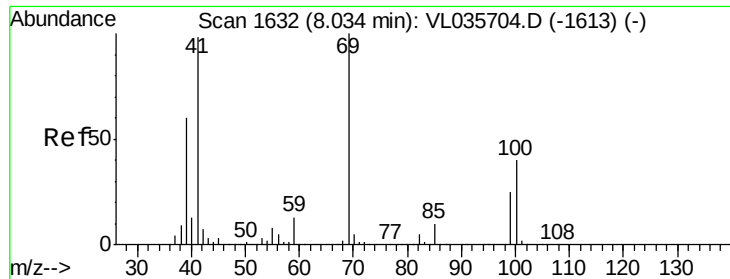
85 66.2 53.4 80.0

127 9.1 7.8 11.6



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

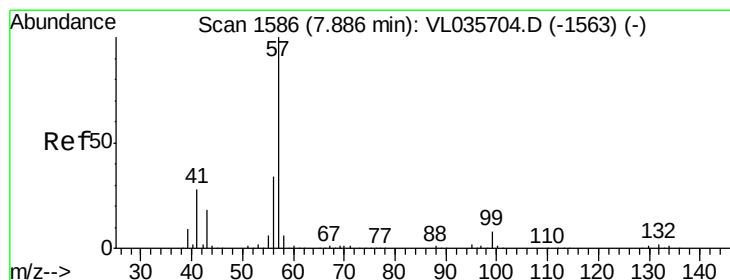
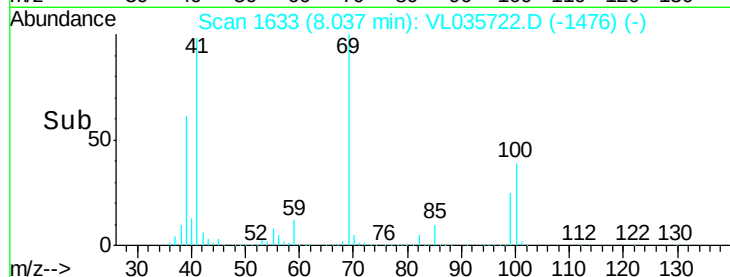
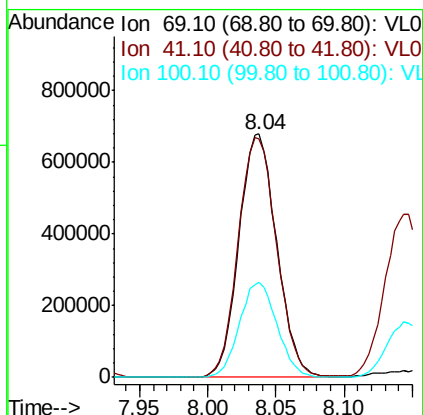
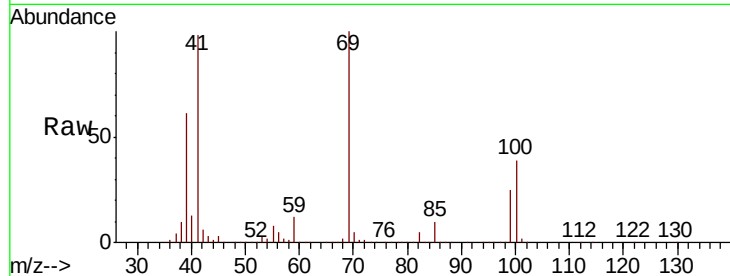




#43
Methyl Methacrylate
Concen: 11.217 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

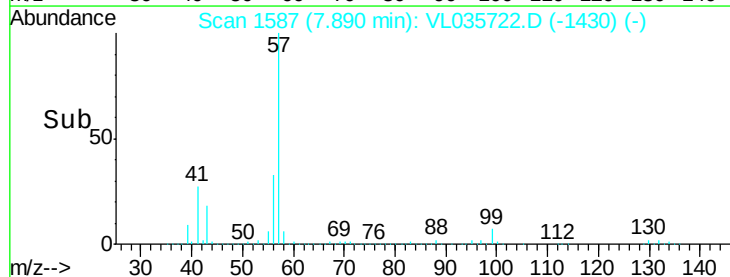
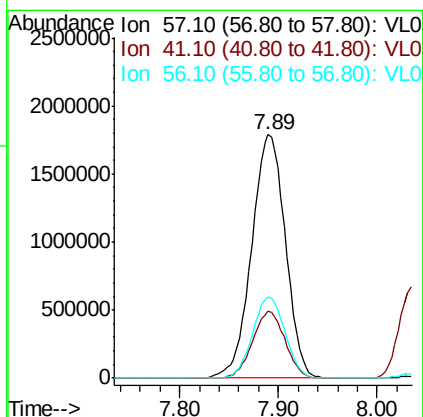
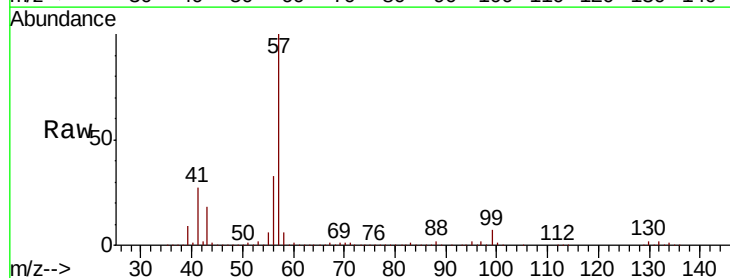
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

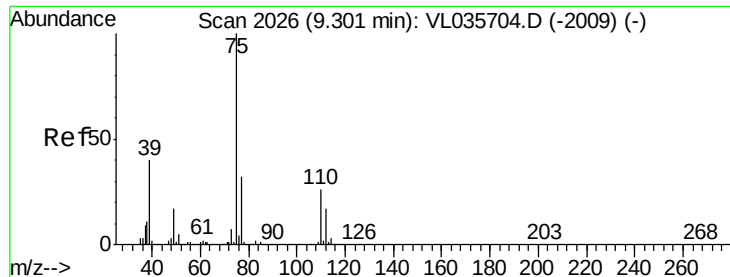
Tot Ion: 69 Resp: 1304850
Ion Ratio Lower Upper
69 100
41 100.4 79.8 119.6
100 38.9 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 10.044 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 57 Resp: 4215773
Ion Ratio Lower Upper
57 100
41 26.4 21.2 31.8
56 32.0 25.8 38.8

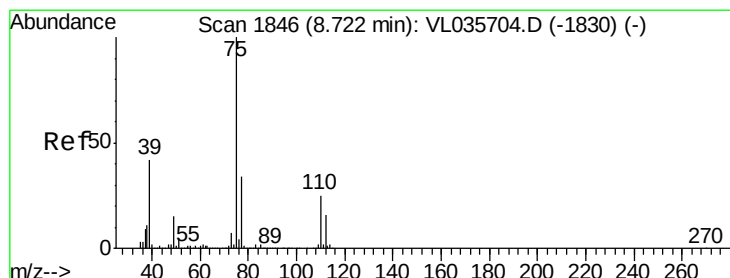
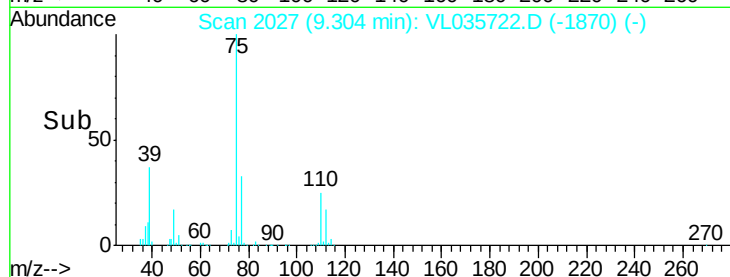
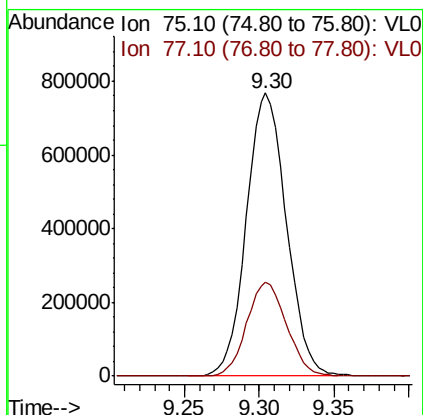
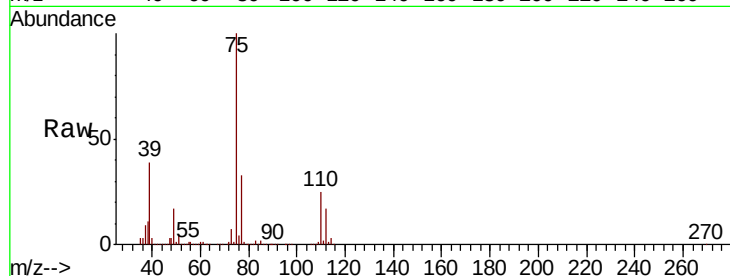




#45
t-1,3-Dichloropropene
Concen: 12.154 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

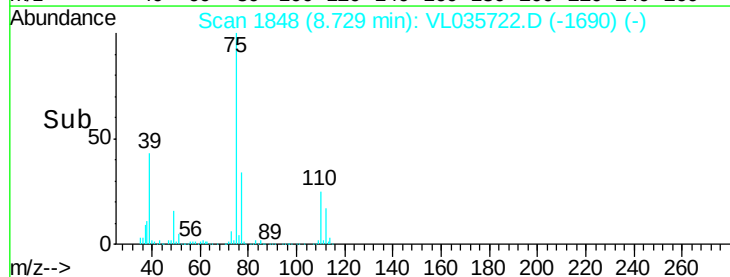
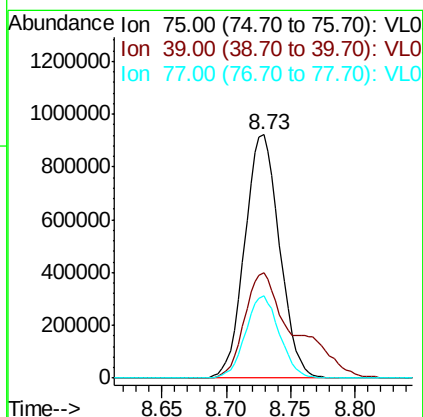
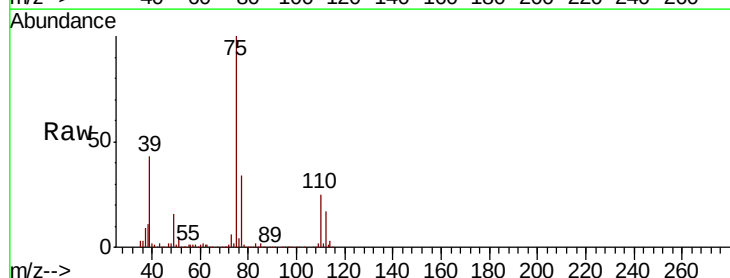
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

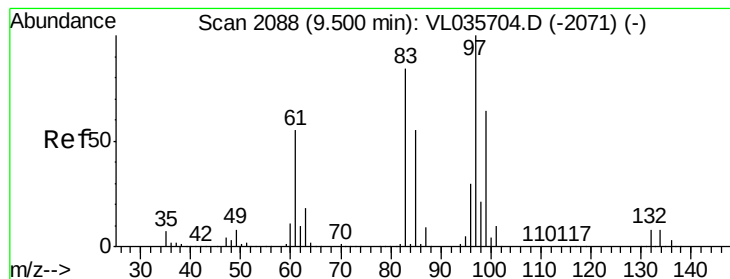
Tot Ion: 75 Resp: 1427519
Ion Ratio Lower Upper
75 100
77 33.3 25.9 38.9



#46
cis-1,3-Dichloropropene
Concen: 11.995 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 75 Resp: 1736662
Ion Ratio Lower Upper
75 100
39 43.1 33.9 50.9
77 33.8 27.4 41.0





#47

1,1,2-Trichloroethane

Concen: 9.871 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1498989

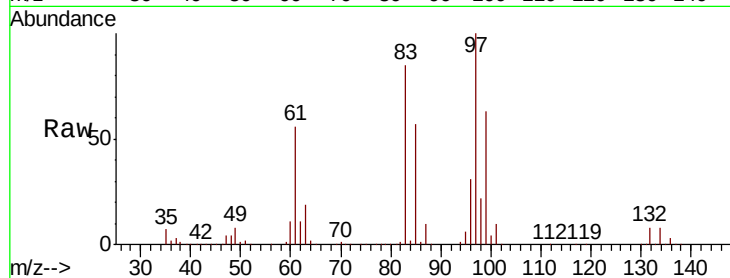
Ion Ratio Lower Upper

97 100

83 85.5 67.1 100.7

85 56.7 43.9 65.9

99 63.4 51.3 76.9

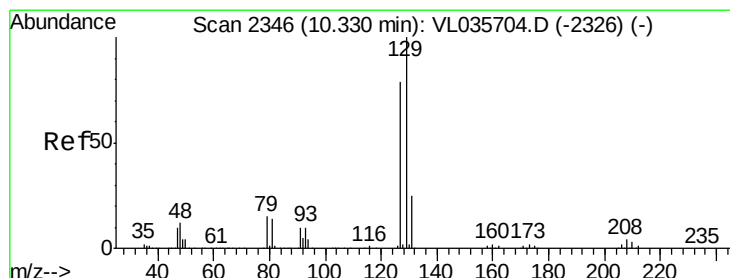
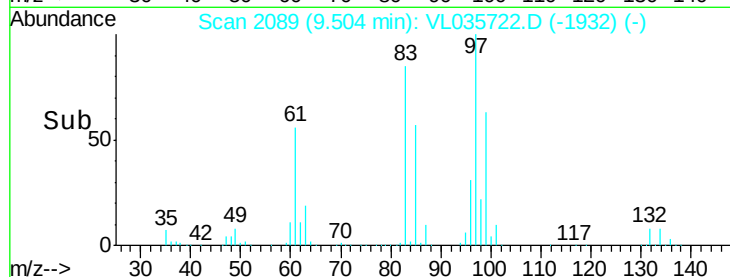
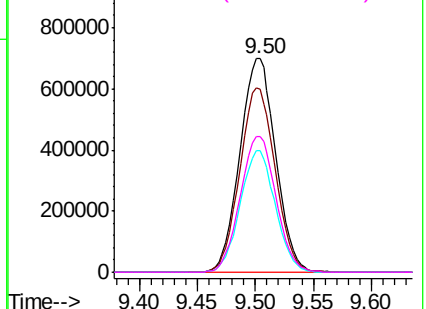


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.848 ppbv

RT: 10.33 min Scan# 2347

Delta R.T. 0.00 min

Lab File: VL035722.D

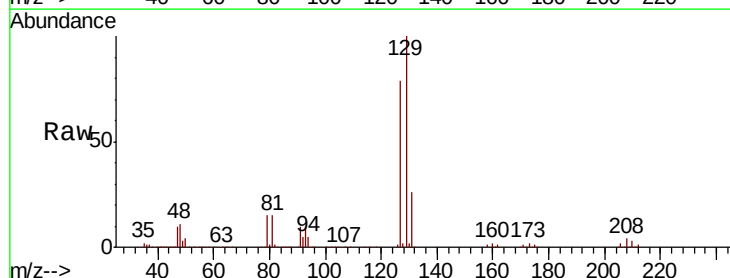
Acq: 23 Sep 2020 17:47

Tgt Ion:129 Resp: 2507256

Ion Ratio Lower Upper

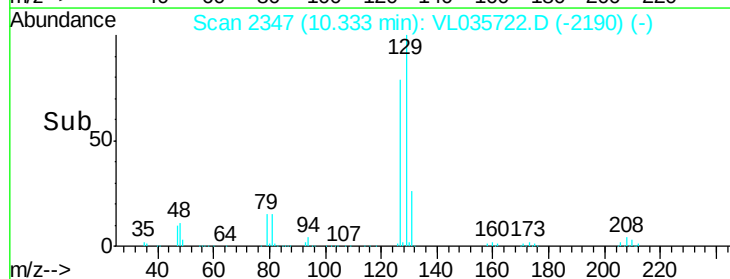
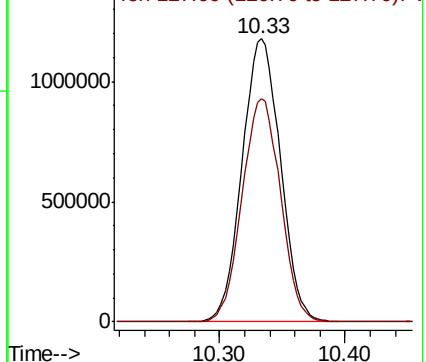
129 100

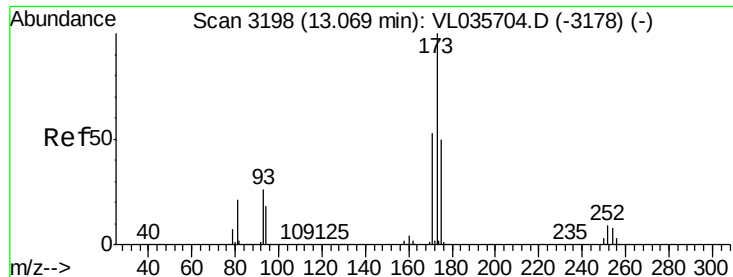
127 79.0 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.321 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

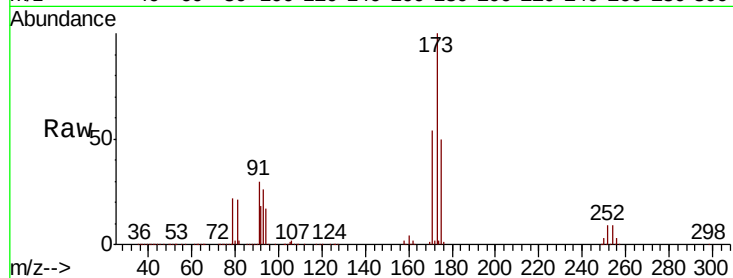
Tot Ion:173 Resp: 2220013

Ion Ratio Lower Upper

173 100

175 49.8 39.8 59.6

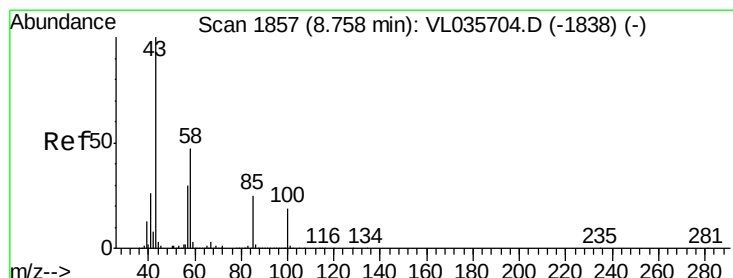
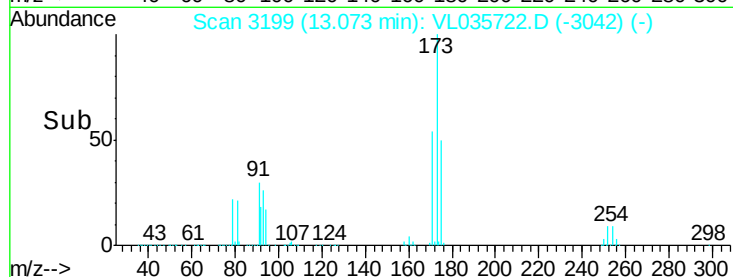
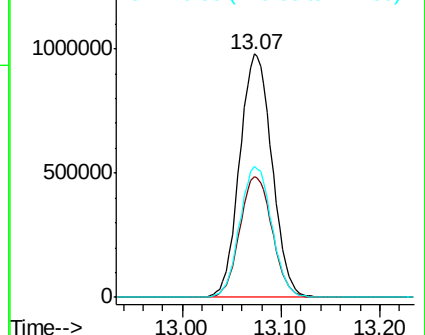
171 53.6 42.8 64.2



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: 10.503 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL035722.D

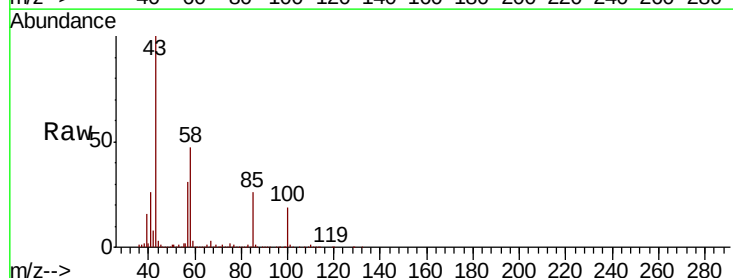
Acq: 23 Sep 2020 17:47

Tgt Ion: 43 Resp: 2277728

Ion Ratio Lower Upper

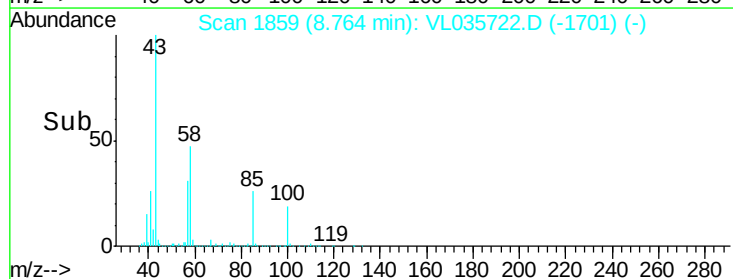
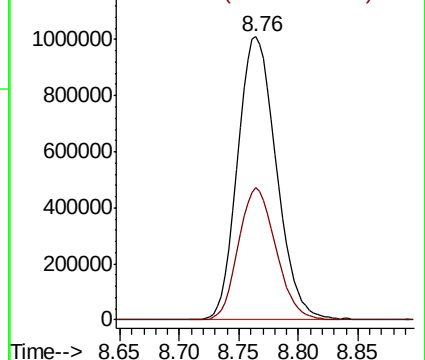
43 100

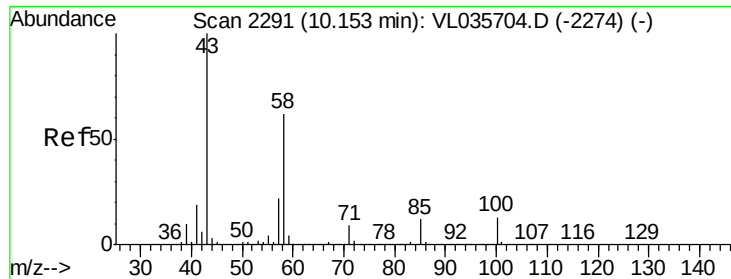
58 45.3 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.897 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

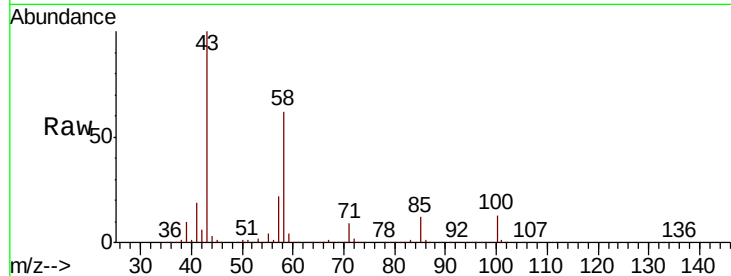
Tot Ion: 43 Resp: 1903961

Ion Ratio Lower Upper

43 100

58 60.6 48.7 73.1

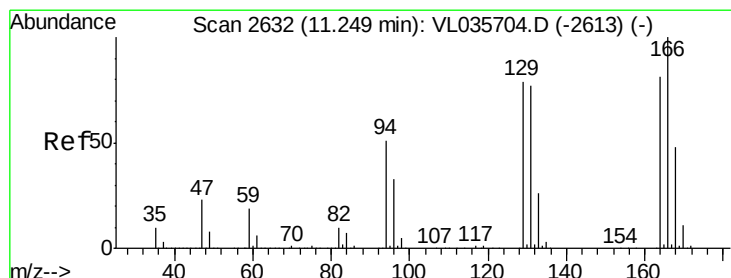
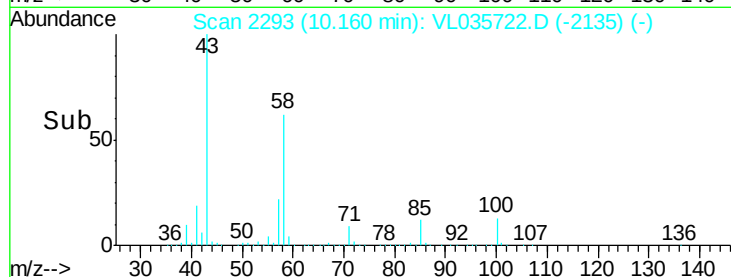
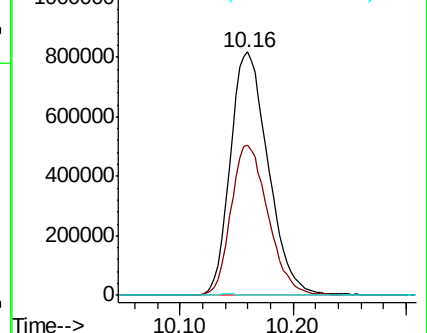
98 0.7 0.7 1.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.281 ppbv

RT: 11.25 min Scan# 2633

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion: 164 Resp: 1446090

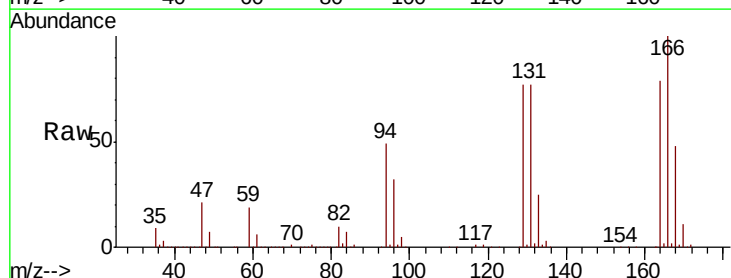
Ion Ratio Lower Upper

164 100

166 126.1 98.7 148.1

129 97.1 78.4 117.6

131 96.4 76.2 114.2

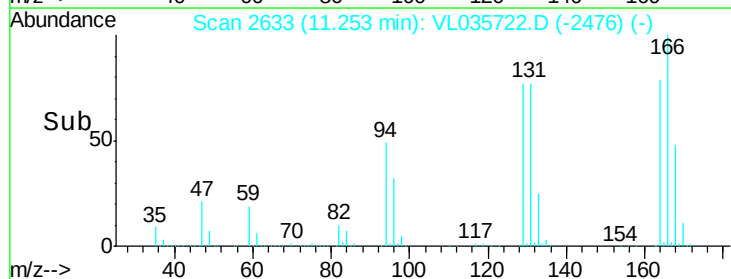
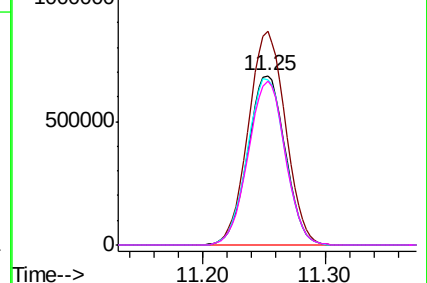


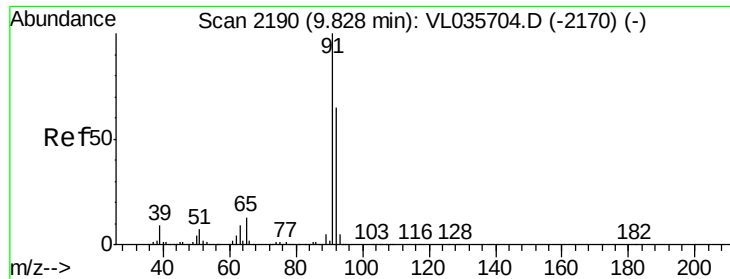
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.168 ppbv

RT: 9.83 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

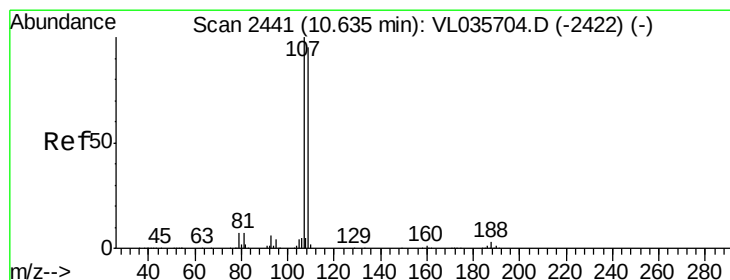
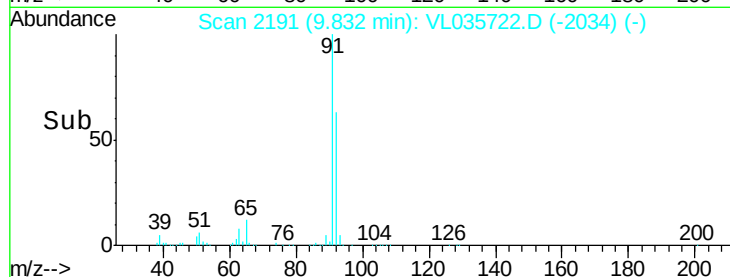
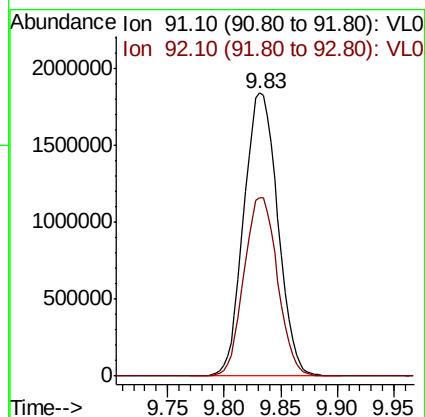
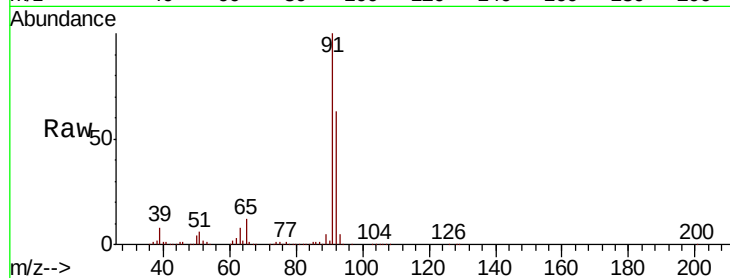
VSTDCCC010EC

Tot Ion: 91 Resp: 3852018

Ion Ratio Lower Upper

91 100

92 62.3 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.291 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. 0.00 min

Lab File: VL035722.D

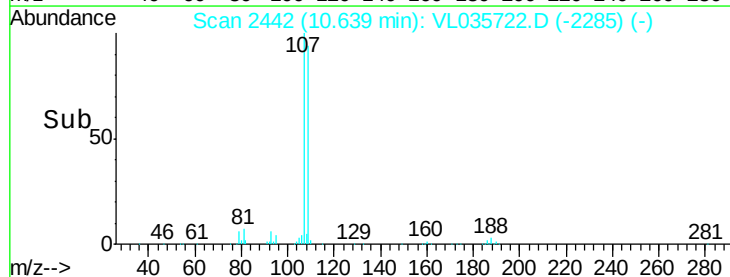
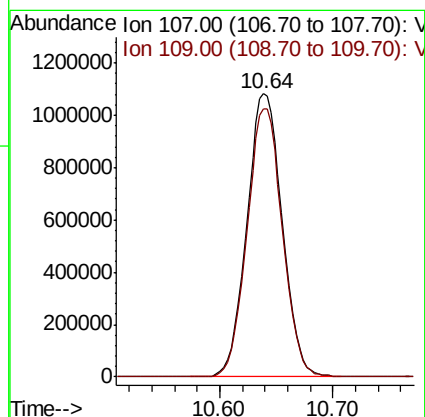
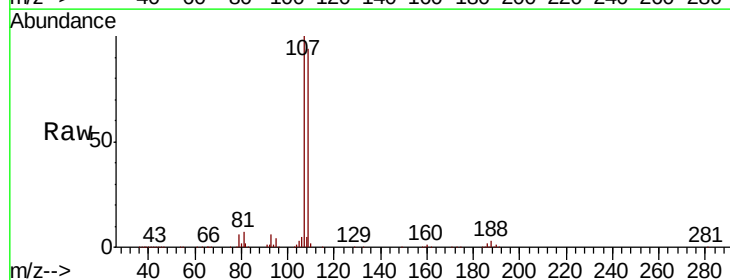
Acq: 23 Sep 2020 17:47

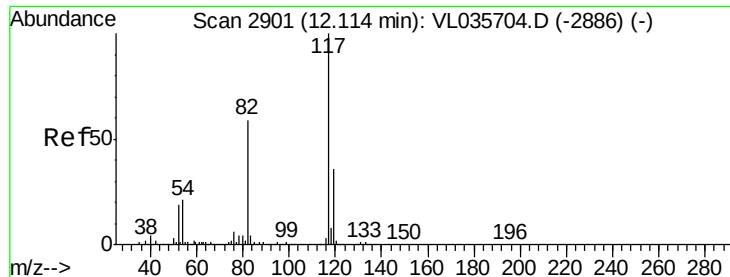
Tgt Ion: 107 Resp: 2339973

Ion Ratio Lower Upper

107 100

109 94.5 76.0 114.0

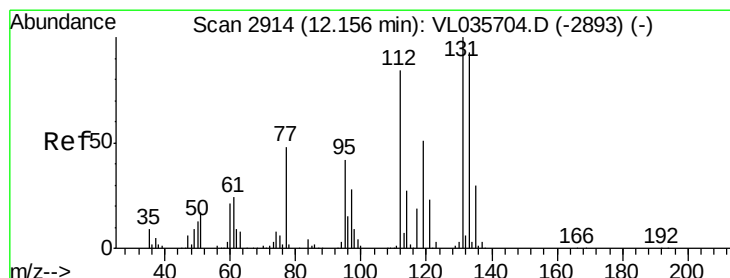
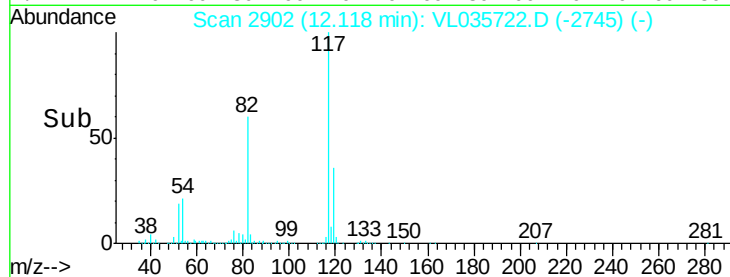
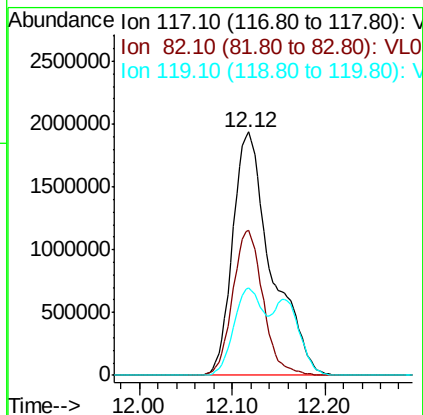
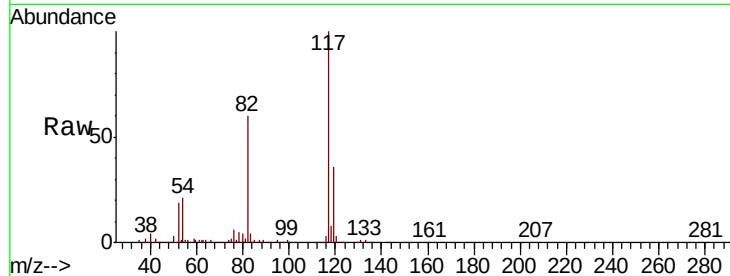




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

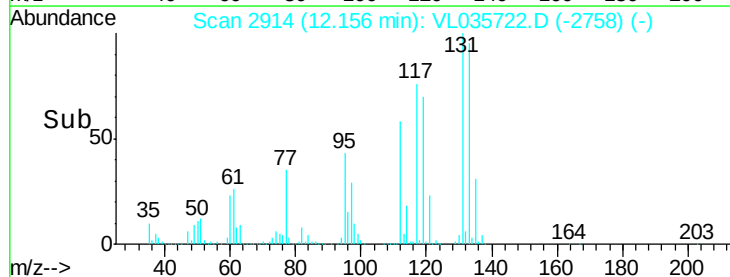
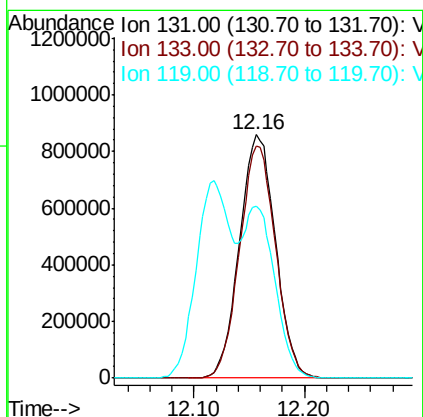
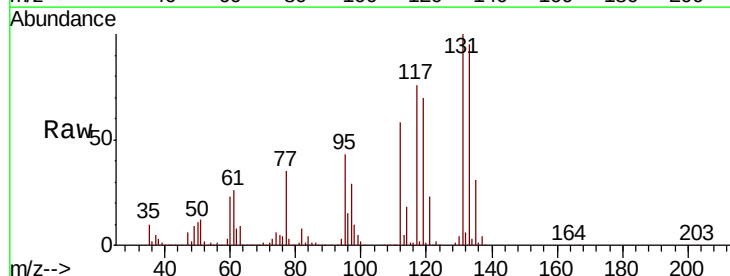
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

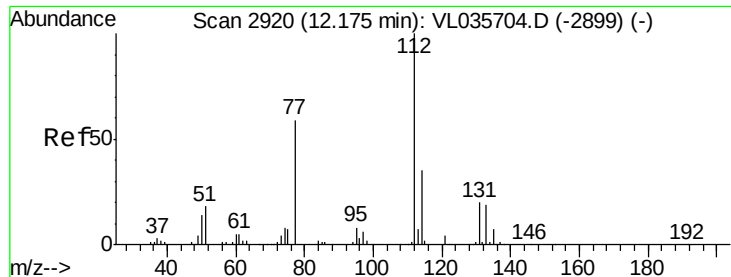
Tot Ion:117 Resp: 5639503
Ion Ratio Lower Upper
117 100
82 46.5 46.1 69.1
119 28.2 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.203 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion:131 Resp: 1939724
Ion Ratio Lower Upper
131 100
133 95.7 76.2 114.4
119 62.0 52.4 78.6

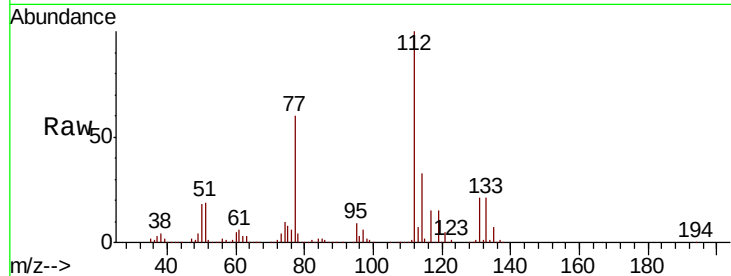




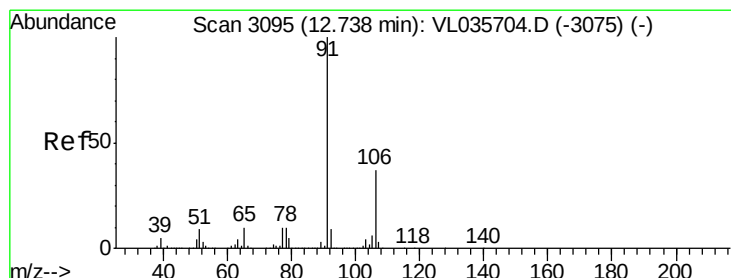
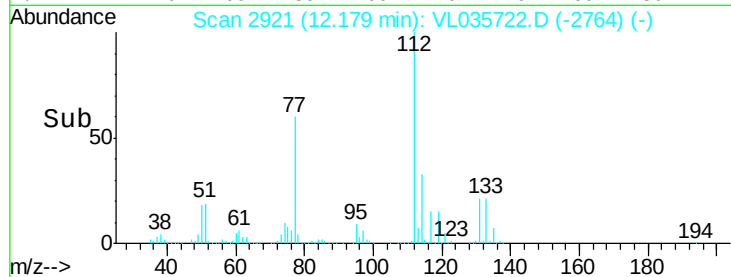
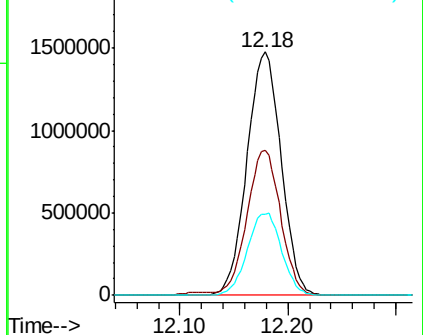
#57
Chlorobenzene
Concen: 7.634 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 3251716
Ion Ratio Lower Upper
112 100
77 59.6 48.2 72.2
114 33.3 31.9 39.1

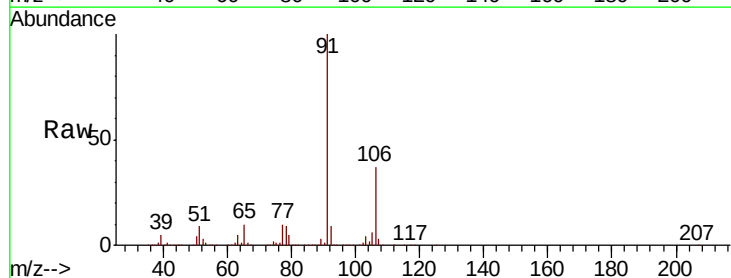


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

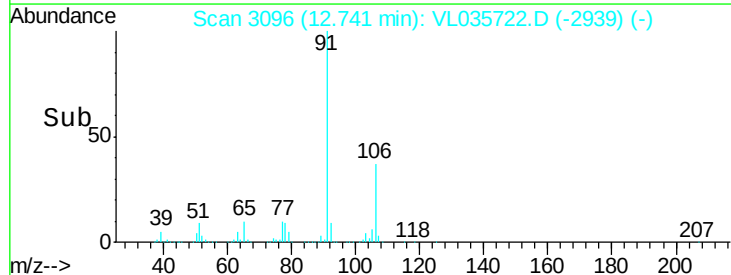
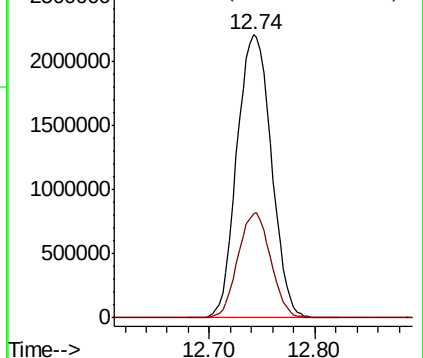


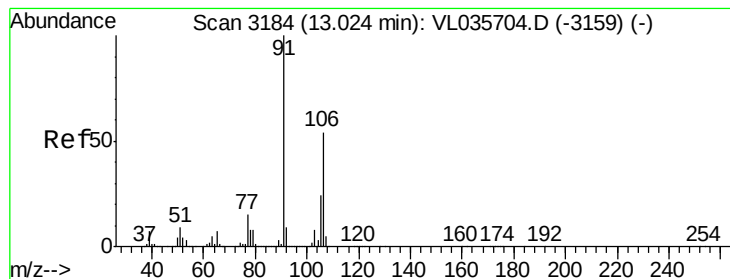
#58
Ethyl Benzene
Concen: 8.835 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. 0.00 min
Lab File: VL035722.D
Acq: 23 Sep 2020 17:47

Tgt Ion: 91 Resp: 5000632
Ion Ratio Lower Upper
91 100
106 37.0 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: 9.057 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

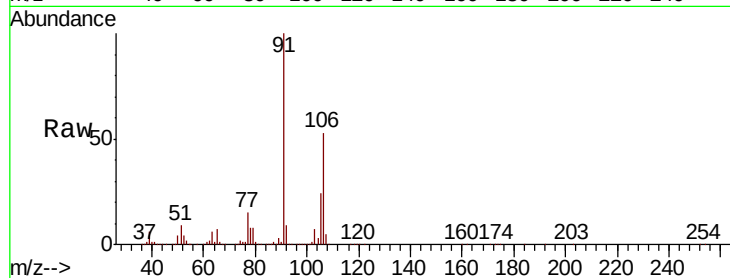
VSTDCCC010EC

Tot Ion: 91 Resp: 4476995

Ion Ratio Lower Upper

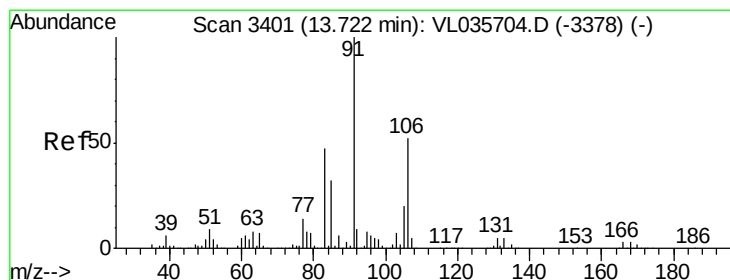
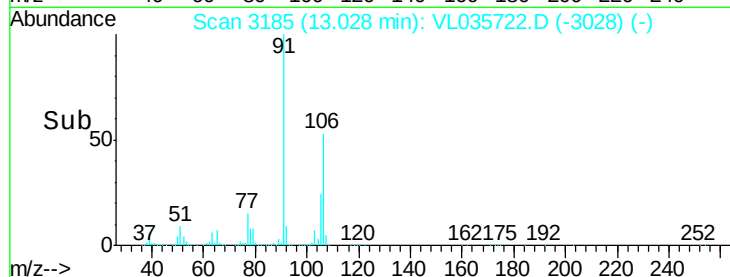
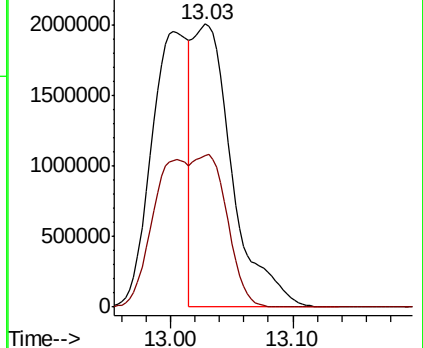
91 100

106 96.0 41.4 62.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.368 ppbv

RT: 13.73 min Scan# 3403

Delta R.T. 0.01 min

Lab File: VL035722.D

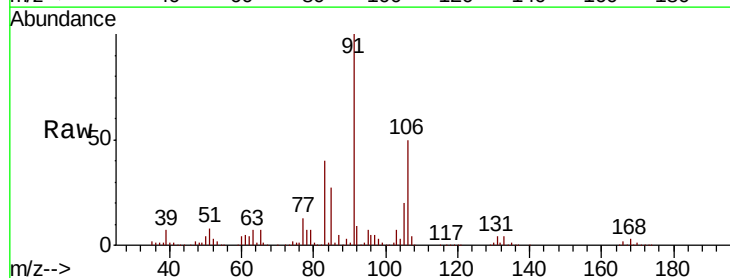
Acq: 23 Sep 2020 17:47

Tgt Ion: 91 Resp: 4184397

Ion Ratio Lower Upper

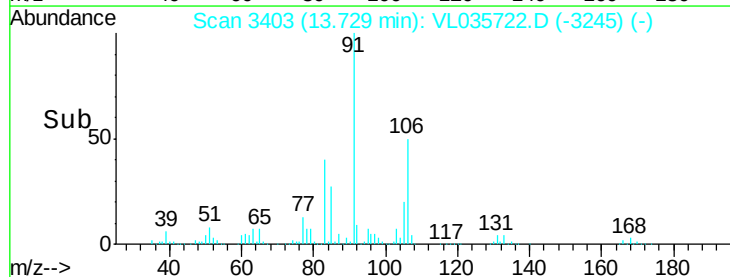
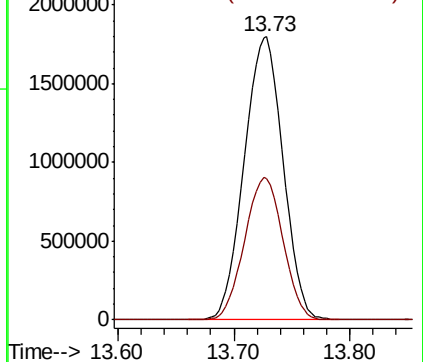
91 100

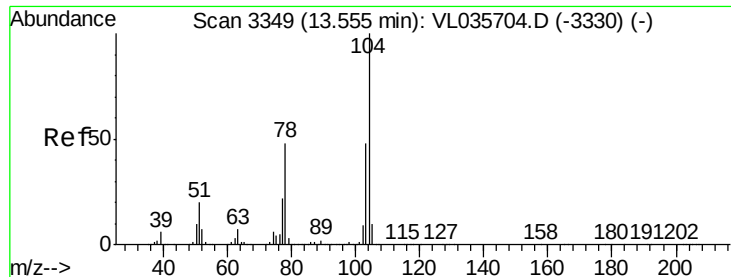
106 49.9 25.0 75.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 9.482 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. 0.01 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

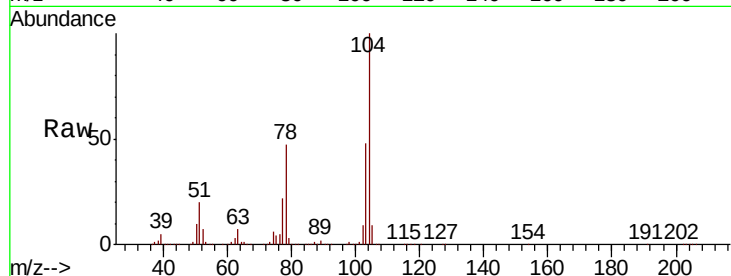
Tot Ion:104 Resp: 3278352

Ion Ratio Lower Upper

104 100

78 45.9 37.2 55.8

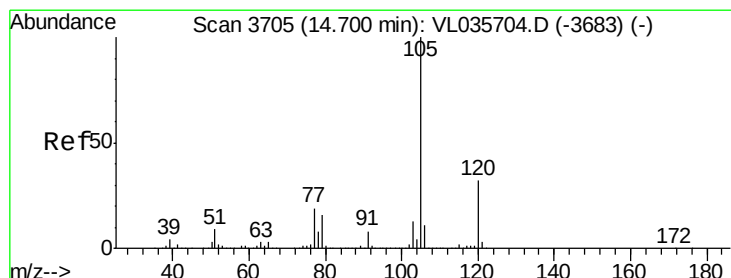
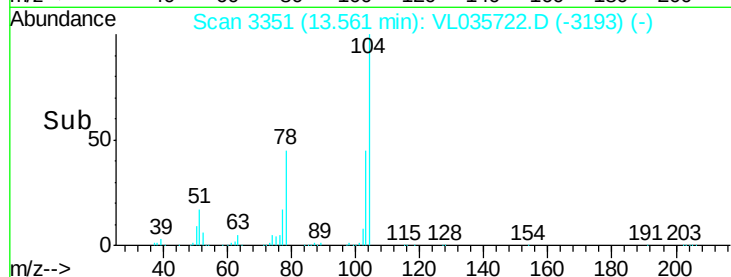
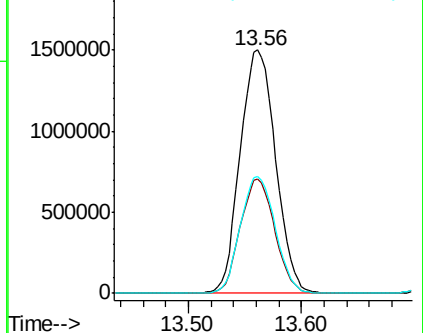
103 47.6 38.2 57.2



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: 8.130 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. 0.00 min

Lab File: VL035722.D

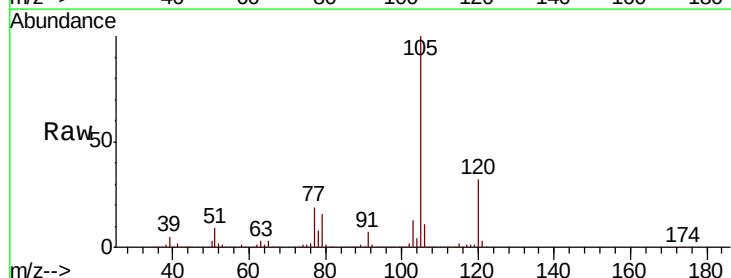
Acq: 23 Sep 2020 17:47

Tgt Ion:105 Resp: 6305383

Ion Ratio Lower Upper

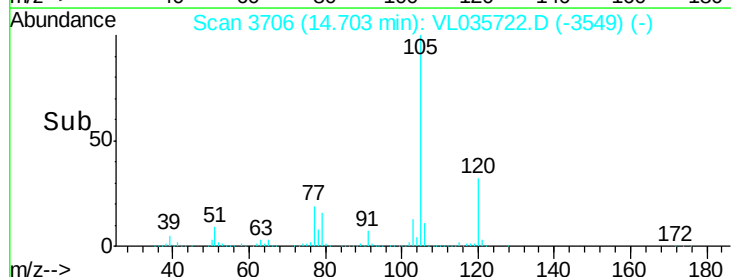
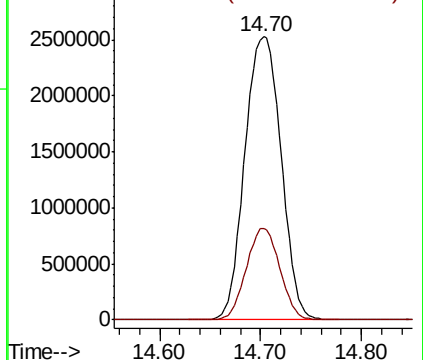
105 100

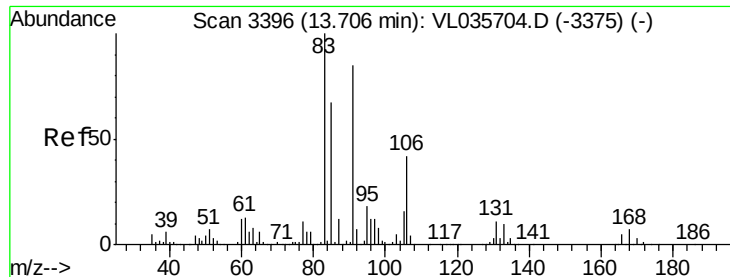
120 29.9 24.1 36.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

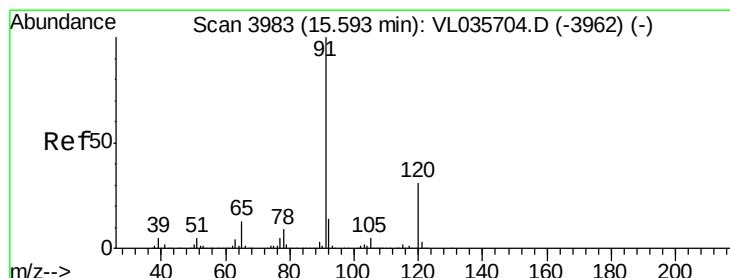
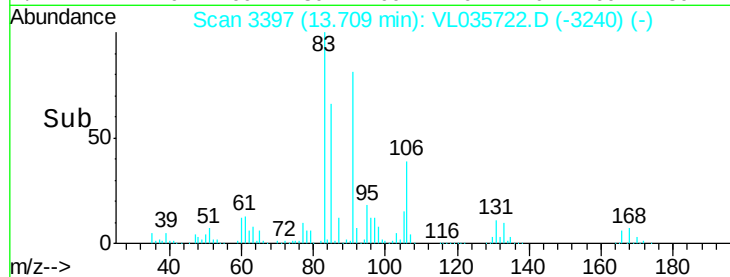
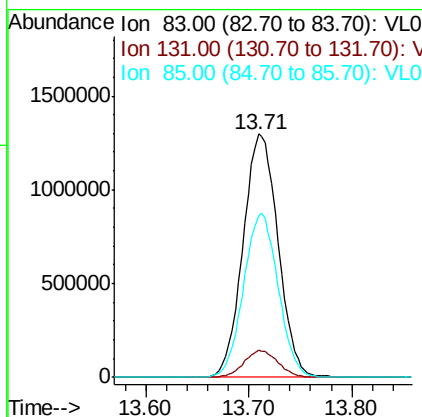
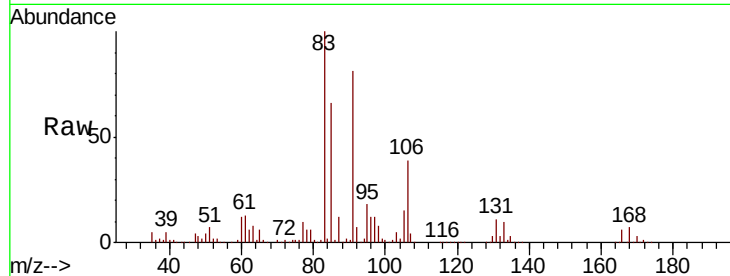




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.458 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

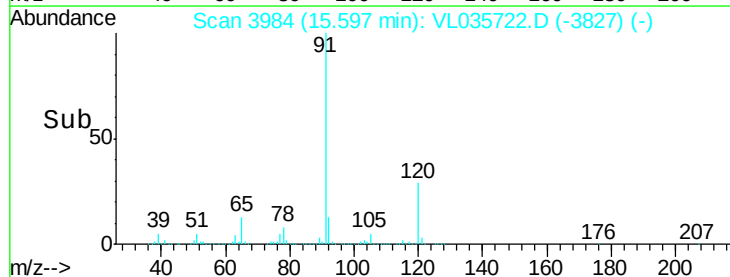
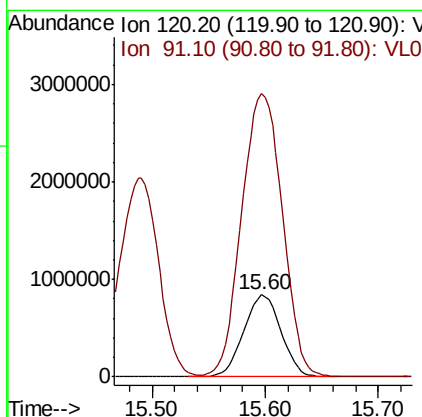
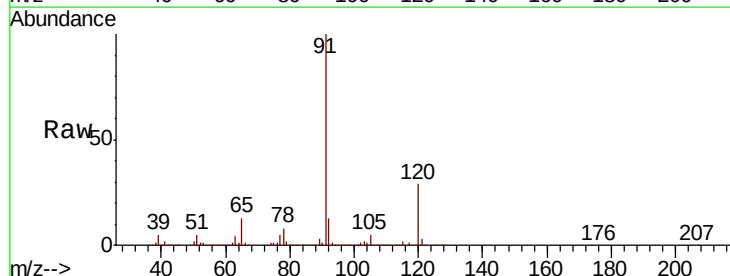
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

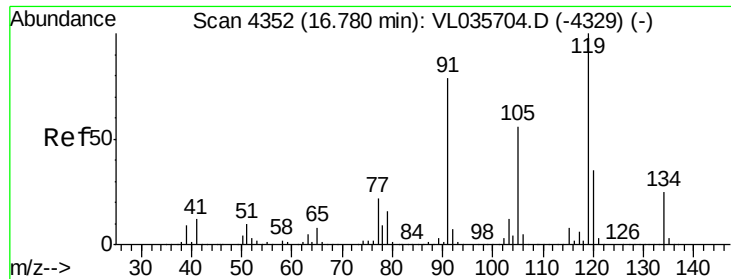
Tot Ion: 83 Resp: 3057856
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 67.0 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.504 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion:120 Resp: 1930392
 Ion Ratio Lower Upper
 120 100
 91 378.6 300.4 450.6

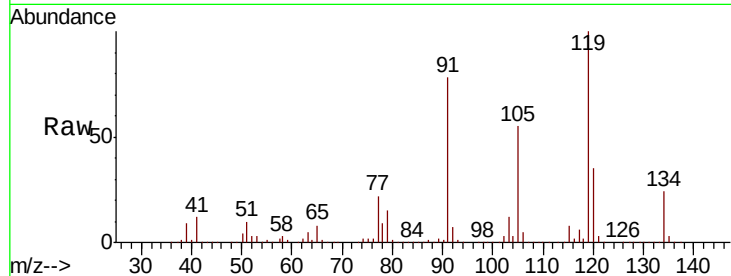




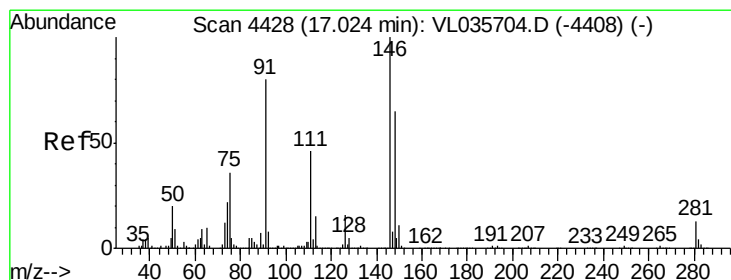
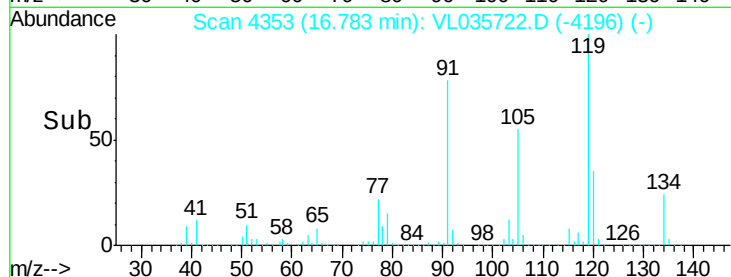
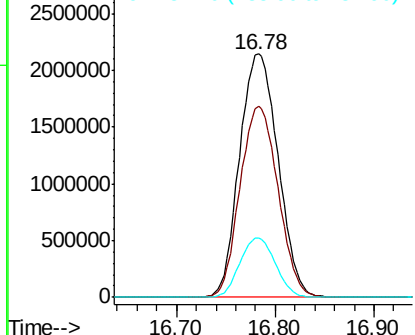
#65
 tert-Butylbenzene
 Concen: 8.231 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 5804464
 Ion Ratio Lower Upper
 119 100
 91 77.5 62.4 93.6
 134 22.5 18.2 27.2

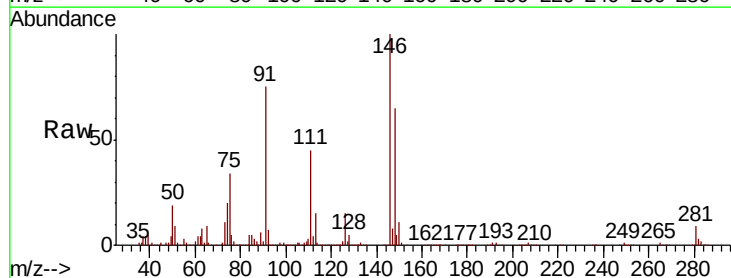


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

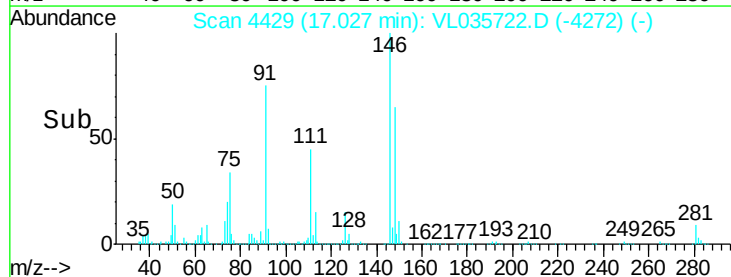
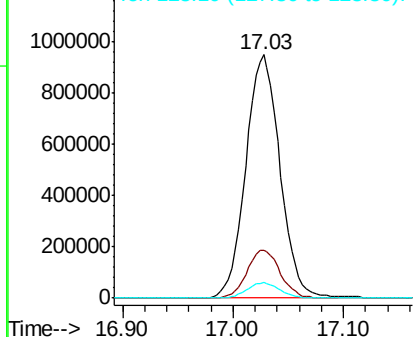


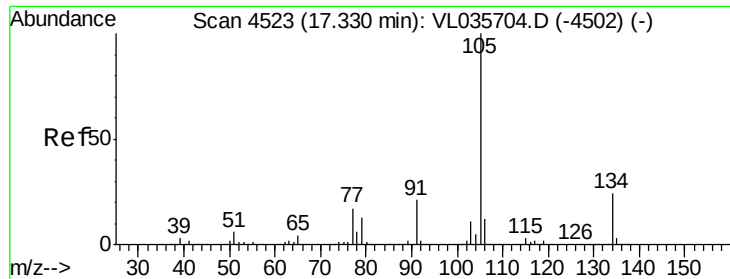
#66
 Benzyl Chloride
 Concen: 9.501 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 91 Resp: 2029839
 Ion Ratio Lower Upper
 91 100
 126 19.2 15.3 22.9
 128 6.1 5.0 7.4



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

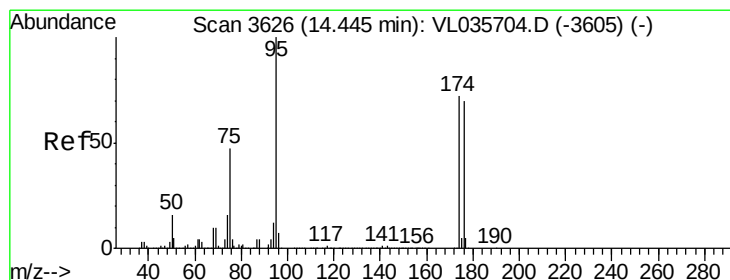
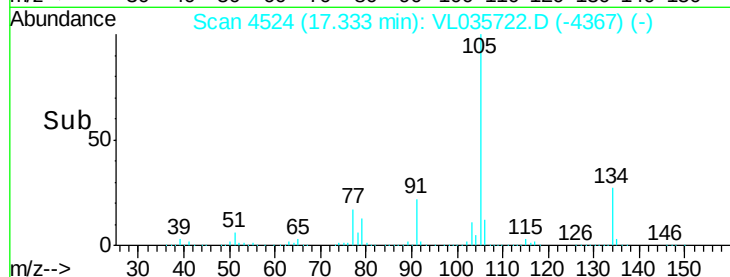
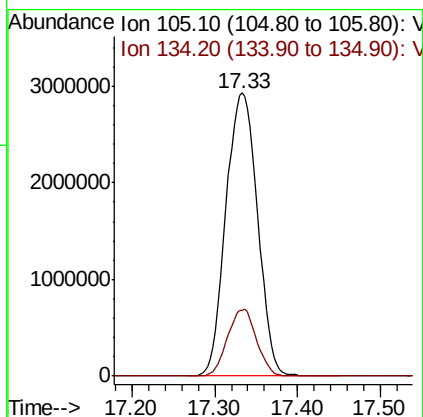
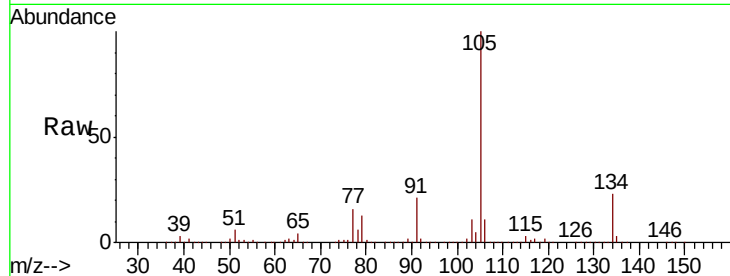




#67
 sec-Butylbenzene
 Concen: 7.967 ppbv
 RT: 17.33 min Scan# 4524
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

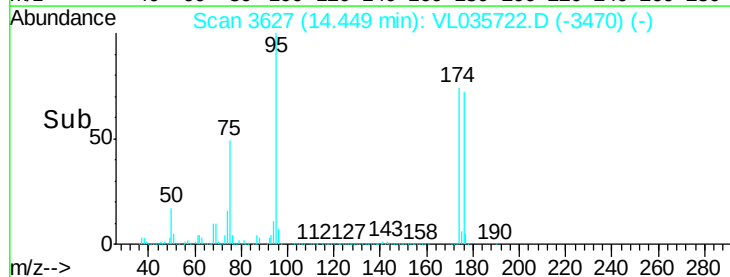
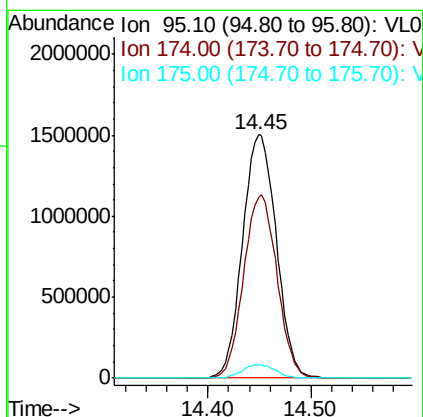
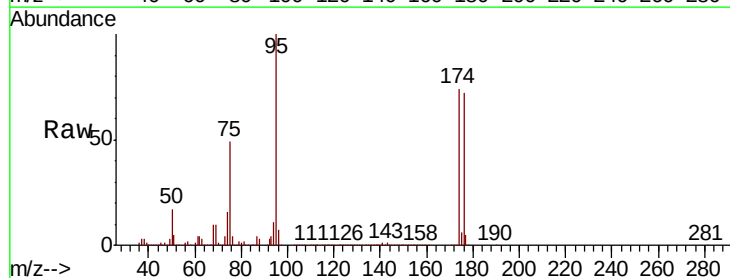
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

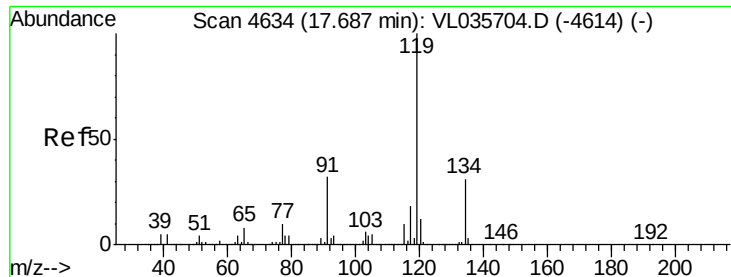
Tot Ion:105 Resp: 7757961
 Ion Ratio Lower Upper
 105 100
 134 21.9 17.6 26.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.083 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 95 Resp: 3415752
 Ion Ratio Lower Upper
 95 100
 174 74.7 59.6 89.4
 175 5.4 4.2 6.4

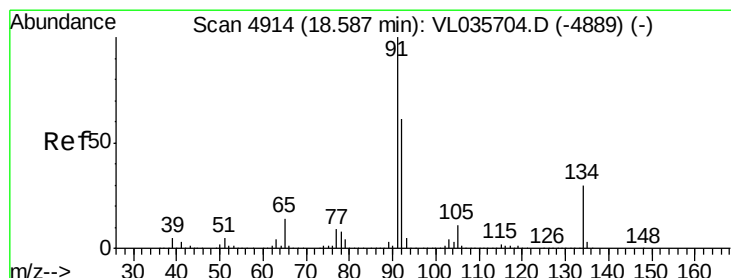
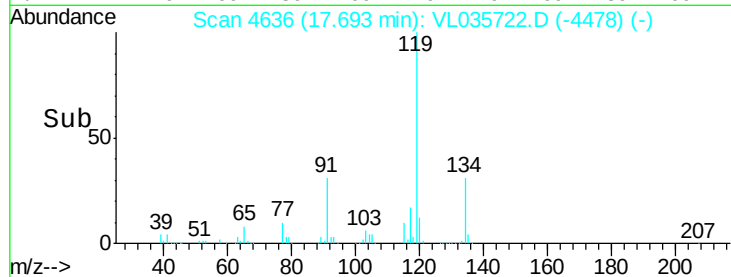
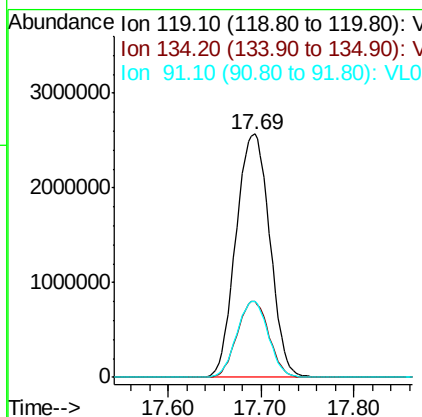
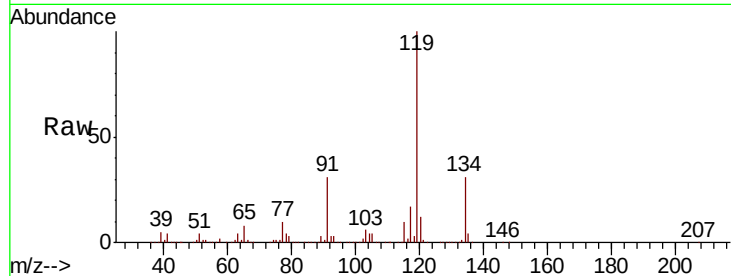




#69
 p-Isopropyltoluene
 Concen: 8.217 ppbv
 RT: 17.69 min Scan# 4636
 Delta R.T. 0.01 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

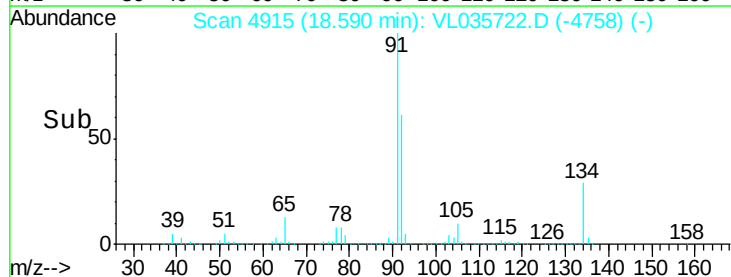
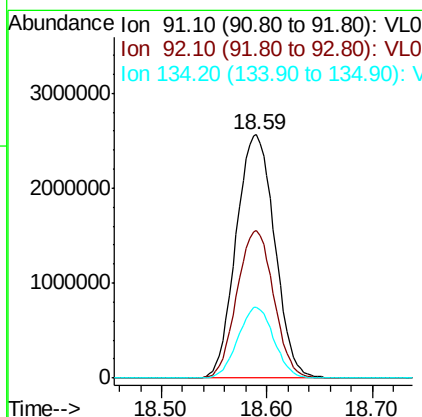
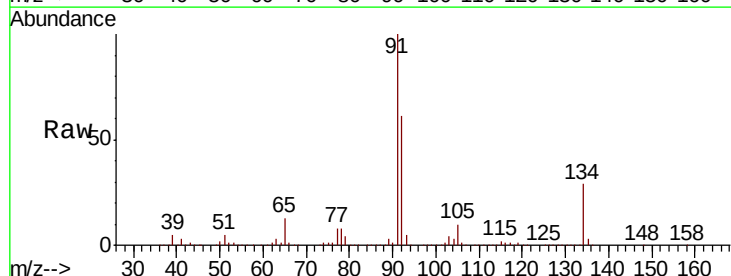
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

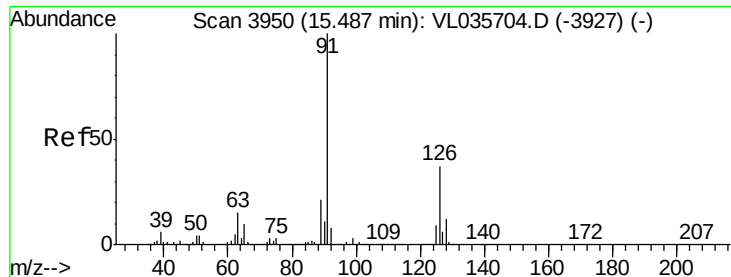
Tot Ion:119 Resp: 6509411
 Ion Ratio Lower Upper
 119 100
 134 29.5 23.9 35.9
 91 29.2 23.8 35.6



#70
 n-Butylbenzene
 Concen: 7.963 ppbv
 RT: 18.59 min Scan# 4915
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion: 91 Resp: 6496184
 Ion Ratio Lower Upper
 91 100
 92 58.0 47.0 70.4
 134 27.2 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.508 ppbv

RT: 15.49 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

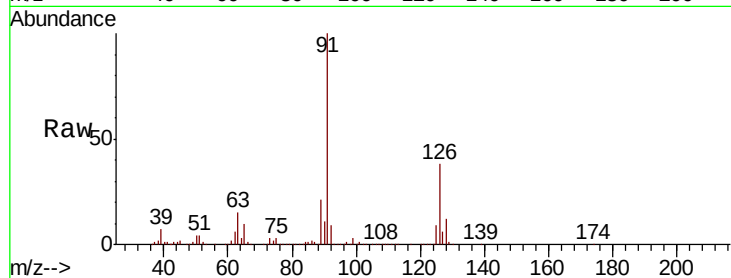
VSTDCCC010EC

Tot Ion: 91 Resp: 4813502

Ion Ratio Lower Upper

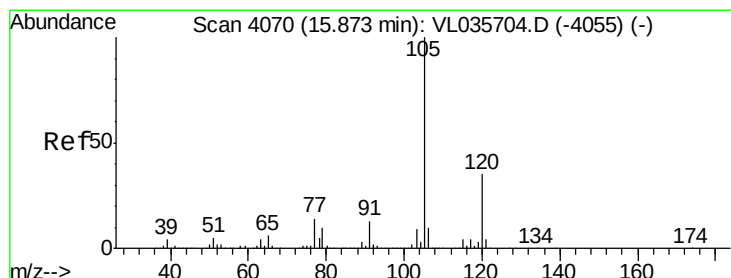
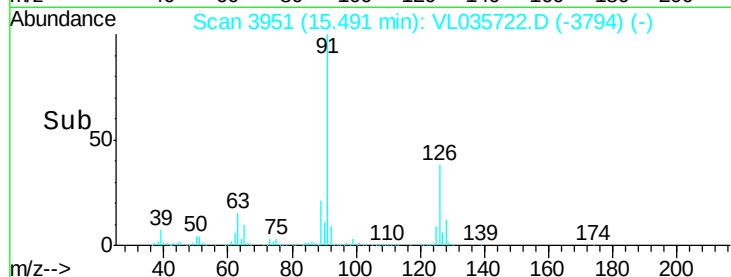
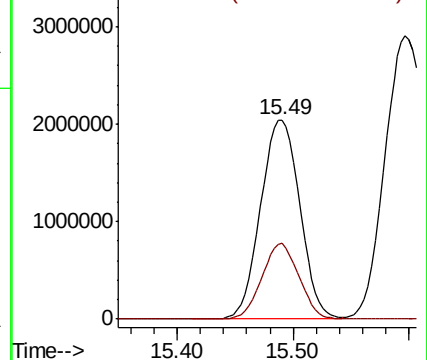
91 100

126 35.9 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: 8.607 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion:105 Resp: 5098507

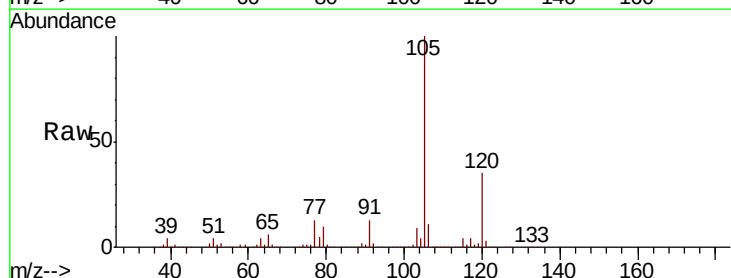
Ion Ratio Lower Upper

105 100

120 33.2 26.5 39.7

91 12.6 10.2 15.2

77 12.8 10.3 15.5

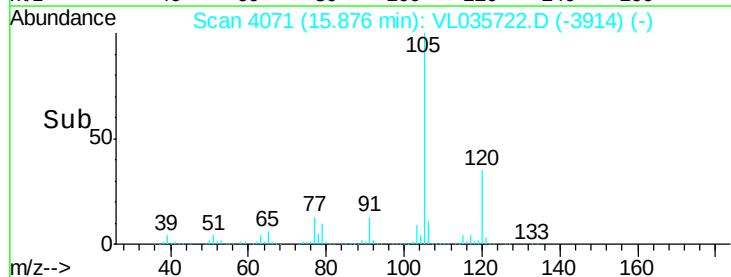
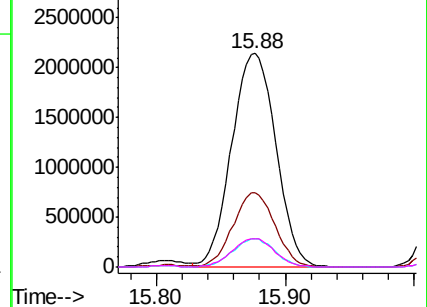


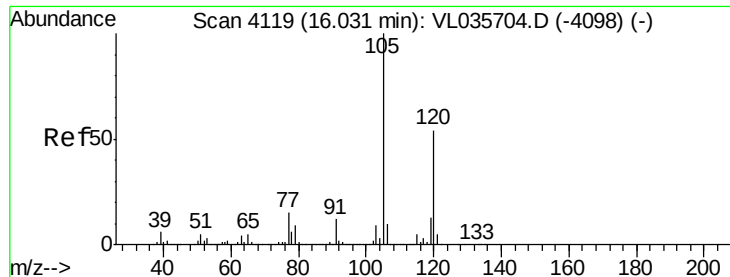
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.472 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

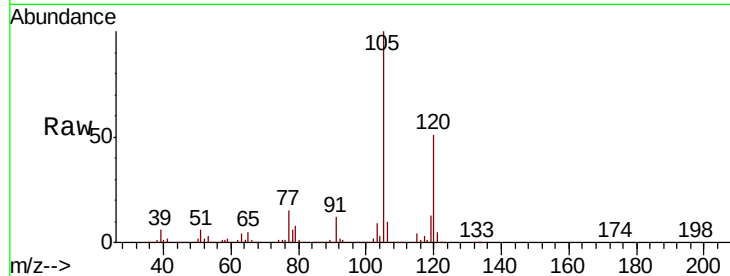
VSTDCCC010EC

Tot Ion:105 Resp: 4742090

Ion Ratio Lower Upper

105 100

120 51.4 43.0 64.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.03

2000000

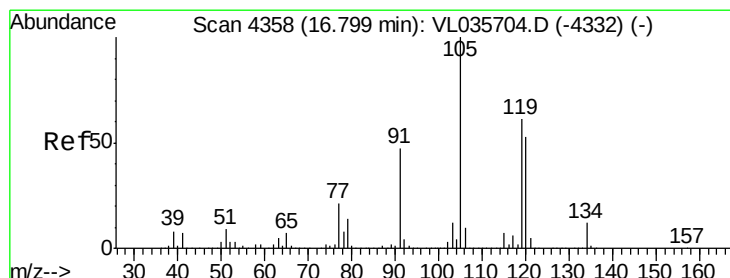
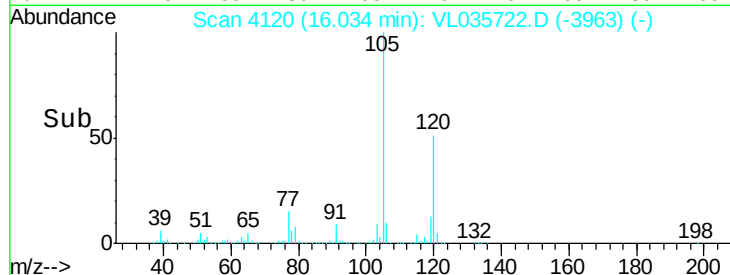
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.867 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Tgt Ion:105 Resp: 4964310

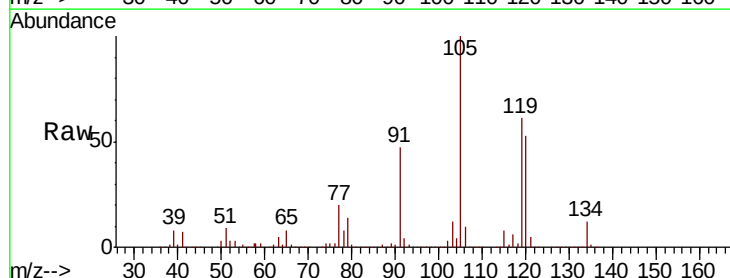
Ion Ratio Lower Upper

105 100

120 52.6 42.5 63.7

91 46.9 37.7 56.5

77 20.4 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): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2500000

2000000

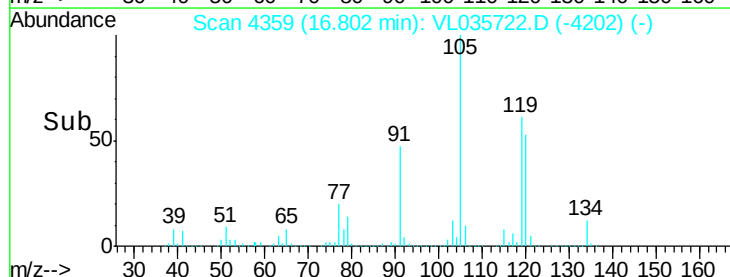
1500000

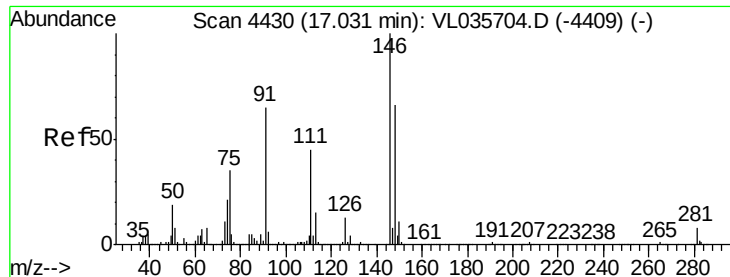
1000000

500000

0

Time-->

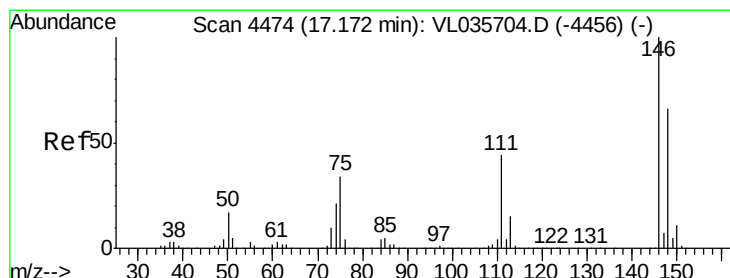
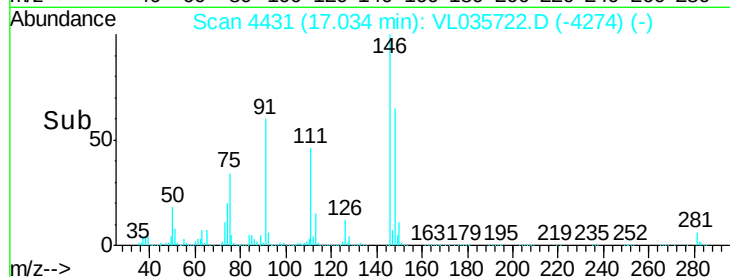
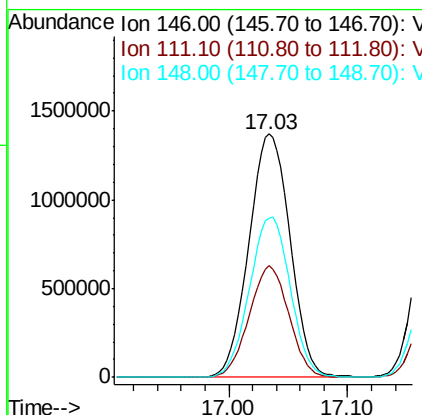
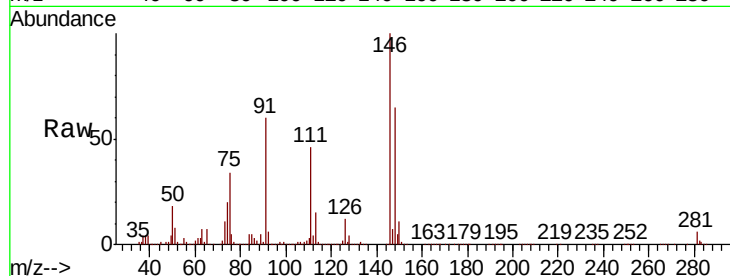




#75
 1,3-Dichlorobenzene
 Concen: 7.615 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

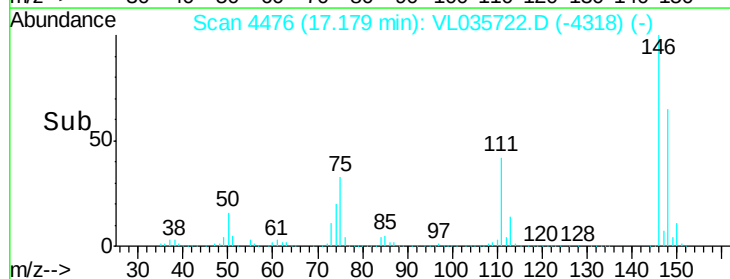
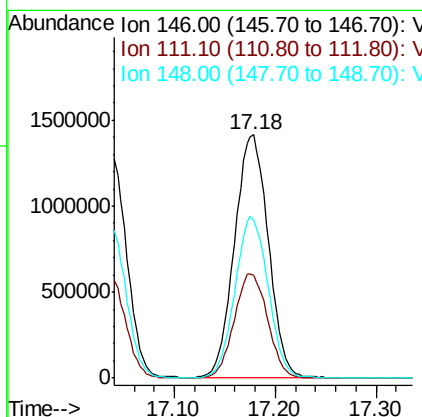
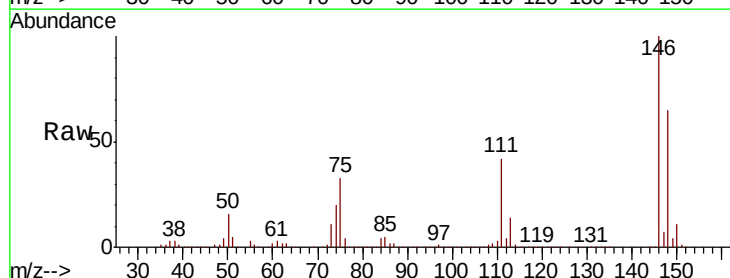
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

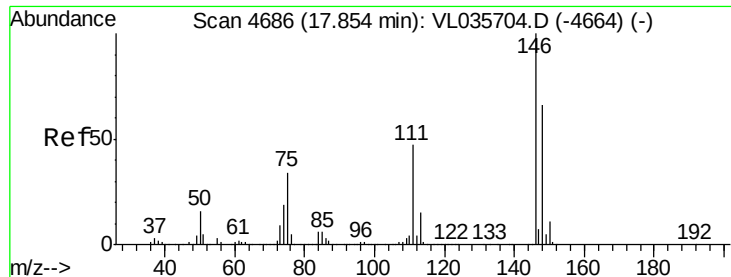
Tot Ion:146 Resp: 3280631
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.4 67.0
 148 65.4 33.0 99.0



#76
 1,4-Dichlorobenzene
 Concen: 7.968 ppbv
 RT: 17.18 min Scan# 4476
 Delta R.T. 0.01 min
 Lab File: VL035722.D
 Acq: 23 Sep 2020 17:47

Tgt Ion:146 Resp: 3281165
 Ion Ratio Lower Upper
 146 100
 111 42.6 21.4 64.3
 148 65.6 32.6 98.0





#77

1,2-Dichlorobenzene

Concen: 7.842 ppbv

RT: 17.85 min Scan# 4686

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

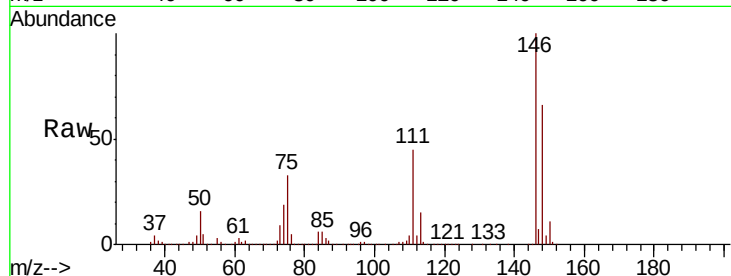
Tot Ion:146 Resp: 3190866

Ion Ratio Lower Upper

146 100

111 45.2 22.9 68.5

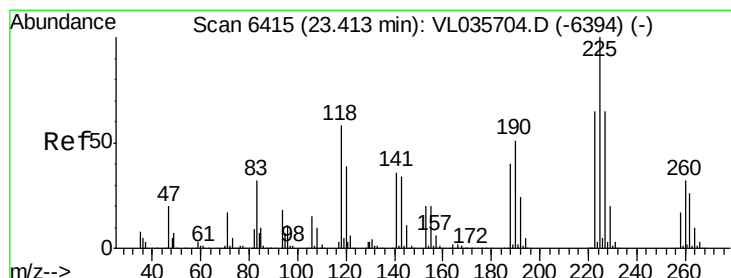
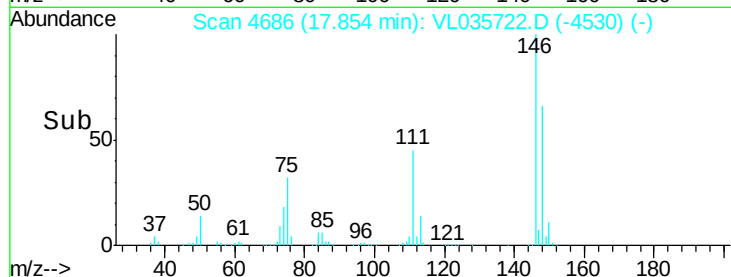
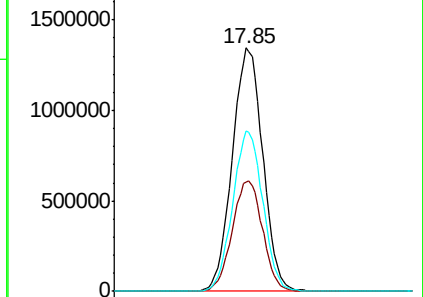
148 65.0 32.6 98.0



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.568 ppbv

RT: 23.42 min Scan# 6416

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

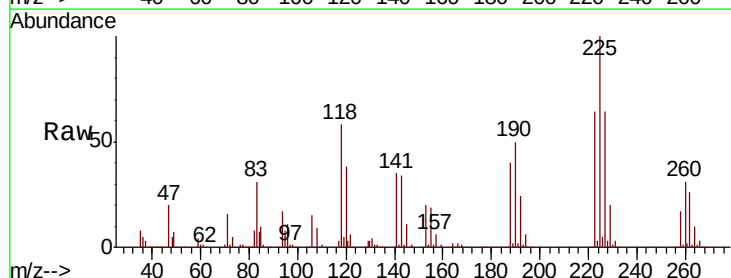
Tgt Ion:225 Resp: 1699069

Ion Ratio Lower Upper

225 100

223 64.5 51.3 76.9

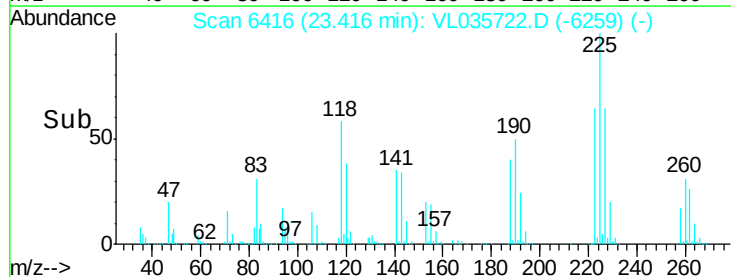
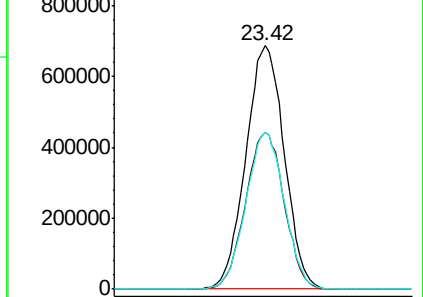
227 64.2 51.6 77.4

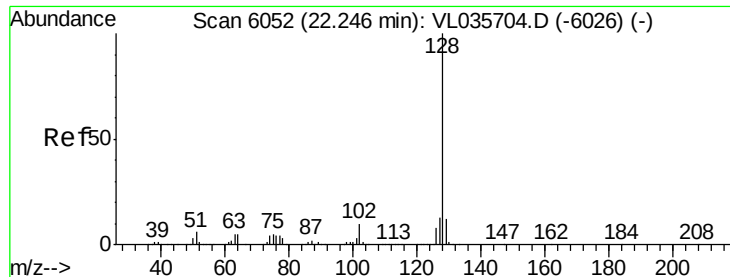


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.941 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

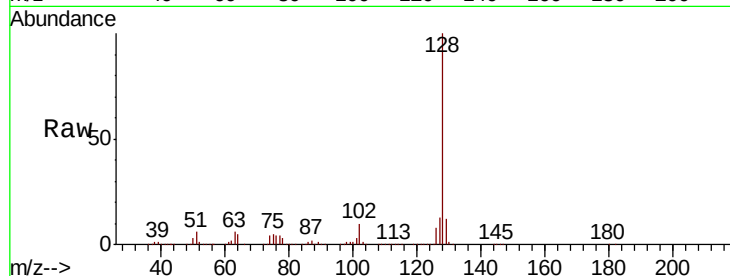
Tot Ion:128 Resp: 4779444

Ion Ratio Lower Upper

128 100

127 13.3 10.6 15.8

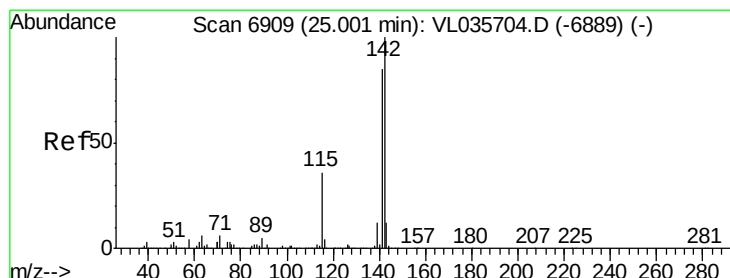
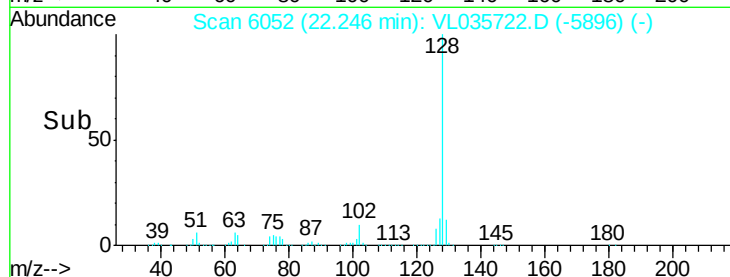
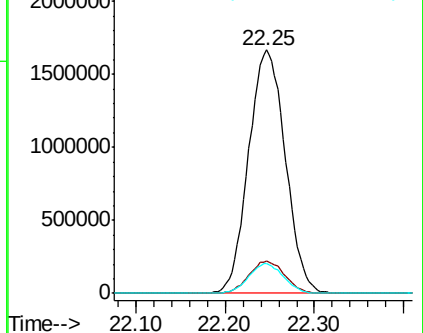
129 12.2 9.4 14.0



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: 8.888 ppbv

RT: 25.00 min Scan# 6910

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

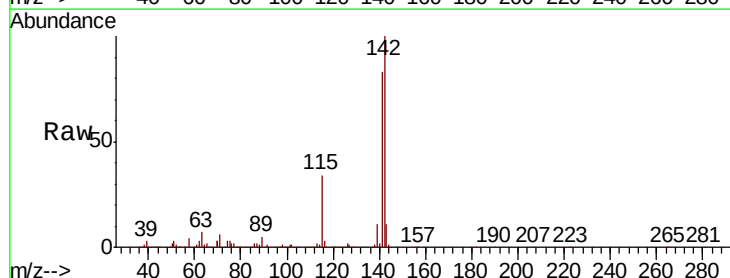
Tgt Ion:142 Resp: 1261789

Ion Ratio Lower Upper

142 100

141 84.9 68.2 102.4

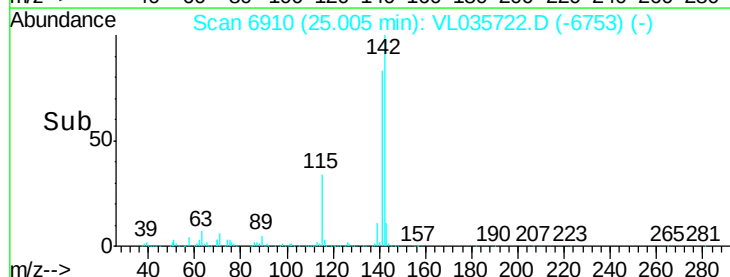
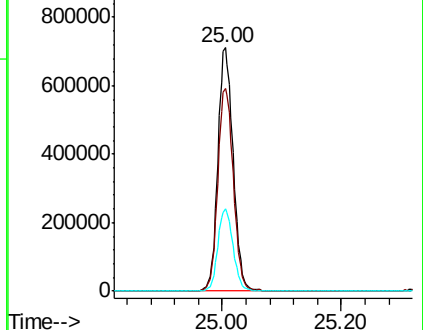
115 33.8 27.8 41.6

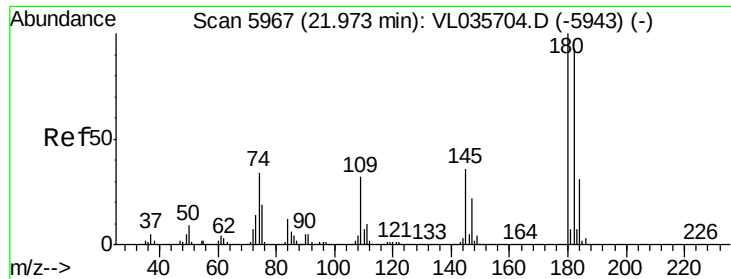


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.944 ppbv

RT: 21.98 min Scan# 5968

Delta R.T. 0.00 min

Lab File: VL035722.D

Acq: 23 Sep 2020 17:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

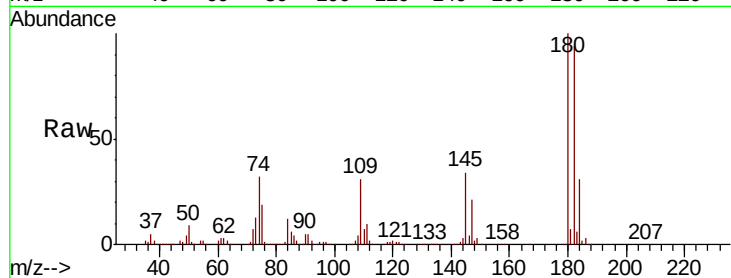
Tot Ion:180 Resp: 2477824

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

184 30.9 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

