

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035756.D
 Acq On : 12 Oct 2020 9:45
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 13 00:01:20 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	5.66	49	1223372	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4691651	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	5807564	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3451347	7.93	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1746134	8.699	ppbv 98
3) Chlorodifluoromethane	2.97	51	1252437	9.516	ppbv 99
4) Chloromethane	3.12	50	671127	9.492	ppbv 100
5) Vinyl Chloride	3.24	62	796019	9.519	ppbv 97
6) Bromomethane	3.46	94	673509	9.527	ppbv 99
7) Chloroethane	3.54	64	294992	9.618	ppbv 100
8) Dichlorotetrafluoroethane	3.17	85	2206358	9.062	ppbv 100
9) Propene	3.00	41	476350	9.968	ppbv 99
10) Heptane	8.12	43	1379035	10.352	ppbv 100
11) Trichlorofluoromethane	3.94	101	2620634	9.150	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1965063	9.204	ppbv 100
13) Ethanol	3.60	45	101758	8.635	ppbv 99
14) Bromoethene	3.73	108	880794	9.794	ppbv 100
15) Acetone	3.84	43	1106139	8.403	ppbv 99
16) 1,3-Butadiene	3.31	39	497880	10.338	ppbv 100
17) tert-Butyl alcohol	4.29	59	1485738	10.362	ppbv 100
18) 1,1-Dichloroethene	4.28	96	913306	9.770	ppbv 97
19) Isopropyl Alcohol	3.96	45	724243	10.114	ppbv 99
20) Methylene Chloride	4.33	84	755562	7.814	ppbv 97
21) Allyl Chloride	4.40	41	659445	10.335	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	952131	9.641	ppbv 98
23) Vinyl Acetate	5.06	43	1707373	10.589	ppbv 100
24) 1,1-Dichloroethane	5.00	63	1657112	9.436	ppbv 99
25) Ethyl Acetate	5.67	43	2267270	9.572	ppbv 100
26) Hexane	5.68	57	1256594	9.681	ppbv 99
27) Carbon Disulfide	4.54	76	2039194	10.540	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	2202888	10.706	ppbv 100
29) Chloroform	5.74	83	2502780	9.495	ppbv 99
30) Cyclohexane	7.12	84	1360637	10.625	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1342598	10.715	ppbv 99
32) 1,1,1-Trichloroethane	6.50	97	2442038	10.510	ppbv 100
34) 2-Butanone	5.24	43	1560356	10.055	ppbv 100
35) Carbon Tetrachloride	7.01	117	2506818	10.248	ppbv 98
36) Benzene	6.89	78	3160375	10.338	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1562583	9.807	ppbv 100
38) Trichloroethene	7.83	130	1543774	10.123	ppbv 99
39) 1,2-Dichloropropane	7.61	63	1090824	9.844	ppbv 98
40) 1,4-Dioxane	7.82	88	530103	10.461	ppbv 97
41) Tetrahydrofuran	6.04	42	881779	11.279	ppbv 100
42) Bromodichloromethane	7.79	83	2617249	10.197	ppbv 99
43) Methyl Methacrylate	8.01	69	1338013	11.005	ppbv 100

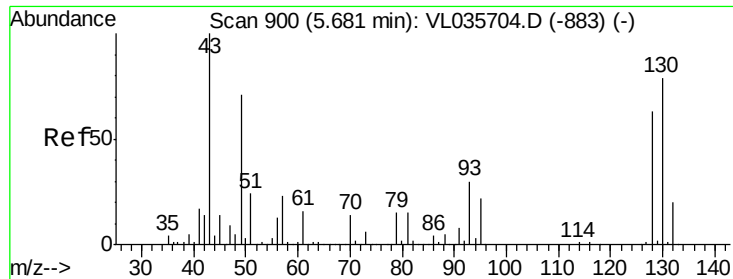
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4245724	9.678	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1504817	12.259	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1783729	11.788	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1529821	9.639	ppbv	99
48) Dibromochloromethane	10.30	129	2573035	10.652	ppbv	100
49) Bromoform	13.05	173	2288682	11.167	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2310130	10.192	ppbv	100
51) 2-Hexanone	10.13	43	1939594	10.621	ppbv #	100
52) Tetrachloroethene	11.22	164	1472615	10.017	ppbv	99
53) Toluene	9.81	91	3920420	10.875	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2383202	10.028	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1988573	8.166	ppbv	98
57) Chlorobenzene	12.15	112	3282347	7.483	ppbv	100
58) Ethyl Benzene	12.71	91	5094197	8.739	ppbv	99
59) m/p-Xylene	13.00	91	4535442	8.910	ppbv #	38
60) o-Xylene	13.70	91	4235415	8.225	ppbv	100
61) Styrene	13.53	104	3333714	9.363	ppbv	100
62) Isopropylbenzene	14.67	105	6374310	7.981	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3113933	7.375	ppbv	99
64) n-propylbenzene	15.57	120	1949772	8.341	ppbv	98
65) tert-Butylbenzene	16.75	119	5864711	8.076	ppbv	99
66) Benzyl Chloride	17.00	91	2159324	9.815	ppbv	99
67) sec-Butylbenzene	17.30	105	7830546	7.809	ppbv	100
69) p-Isopropyltoluene	17.66	119	6595995	8.085	ppbv	99
70) n-Butylbenzene	18.56	91	6539019	7.783	ppbv	99
71) 2-Chlorotoluene	15.46	91	4895481	8.403	ppbv	100
72) 4-Ethyltoluene	15.85	105	5173221	8.481	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	4825659	8.371	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	4975006	7.656	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	3311014	7.463	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3313436	7.813	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3253148	7.764	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1761176	7.618	ppbv	100
79) Naphthalene	22.21	128	4812854	7.765	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1370601	9.375	ppbv	98
81) 1,2,4-Trichlorobenzene	21.95	180	2535962	7.895	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035756.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

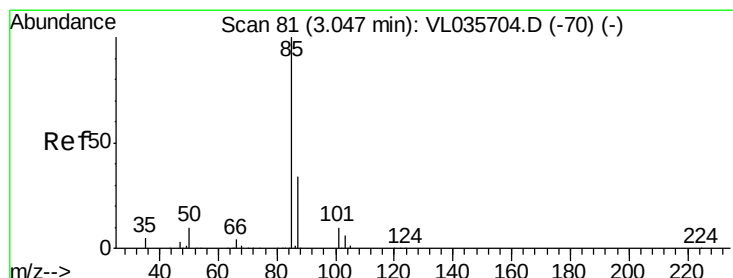
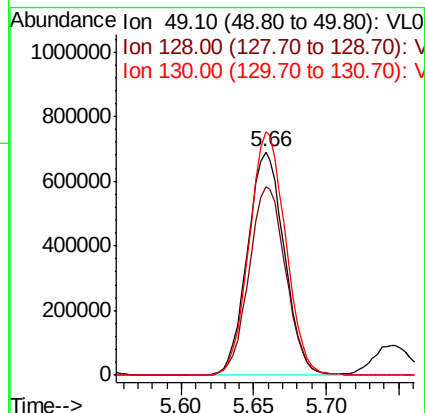
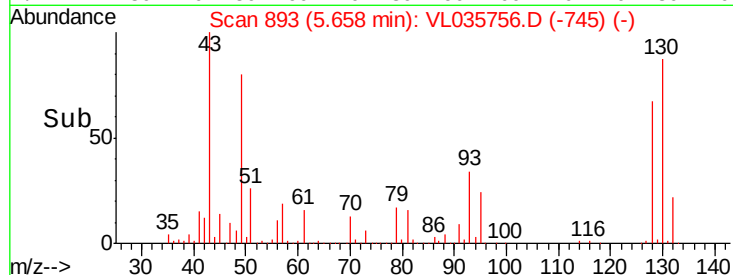
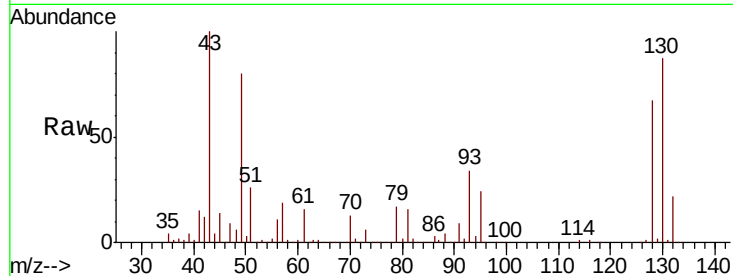
Tot Ion: 49 Resp: 1223372

Ion Ratio Lower Upper

49 100

128 84.8 43.1 129.4

130 108.4 54.9 164.7



#2

Dichlorodifluoromethane

Concen: 8.699 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL035756.D

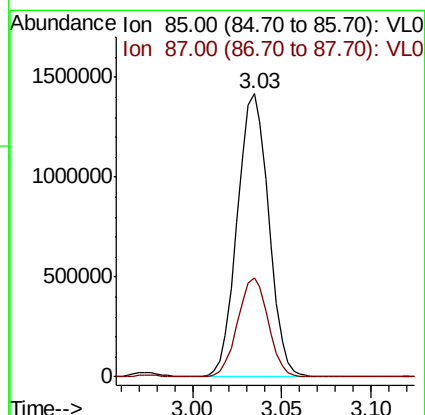
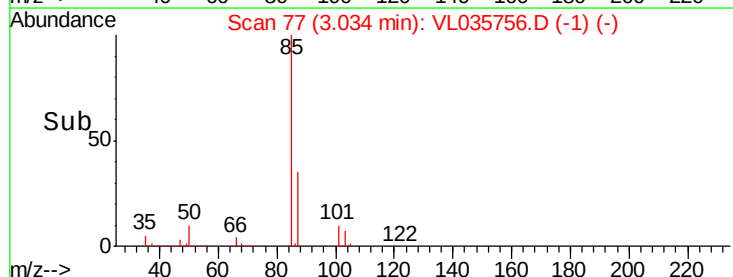
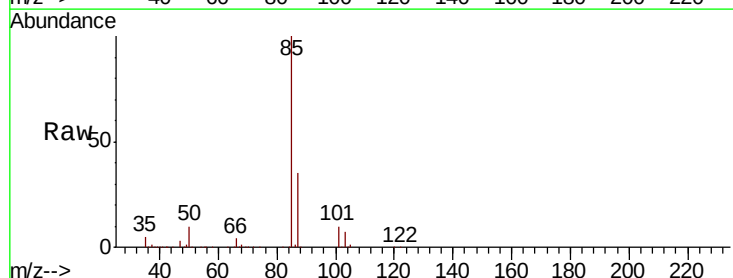
Acq: 12 Oct 2020 9:45

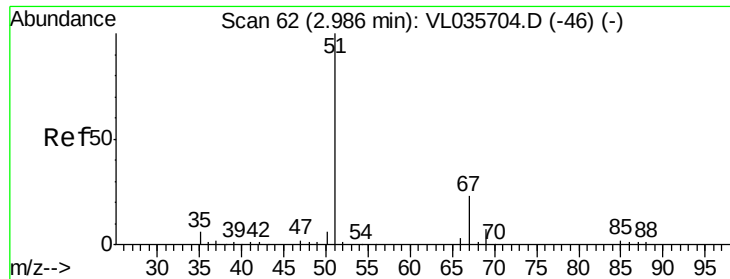
Tgt Ion: 85 Resp: 1746134

Ion Ratio Lower Upper

85 100

87 35.1 27.3 40.9





#3

Chlorodifluoromethane

Concen: 9.516 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

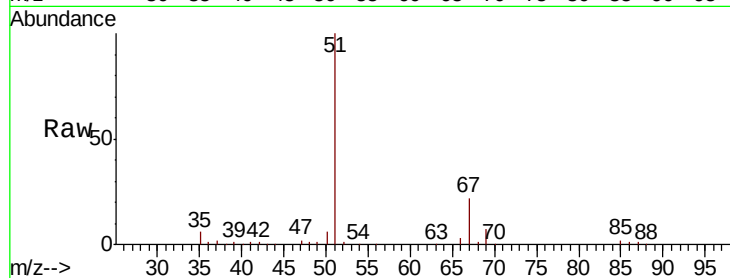
VSTDCCC010

Tot Ion: 51 Resp: 1252437

Ion Ratio Lower Upper

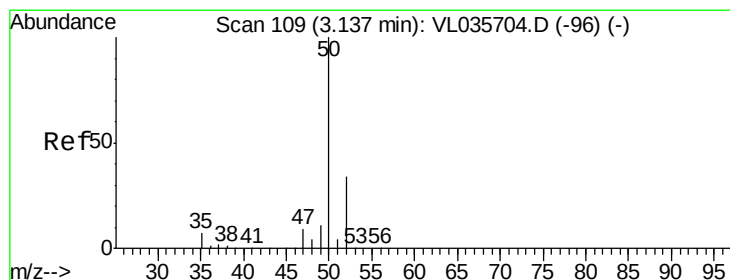
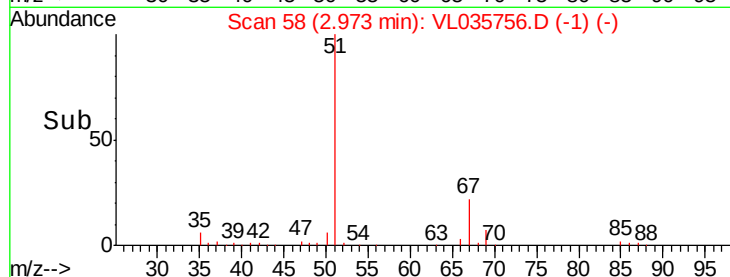
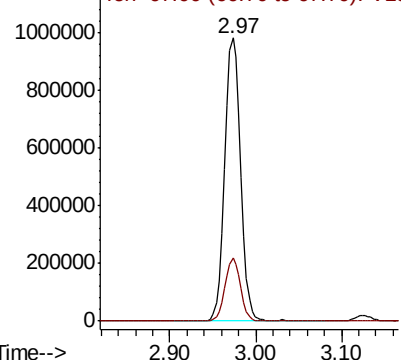
51 100

67 21.6 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: 9.492 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL035756.D

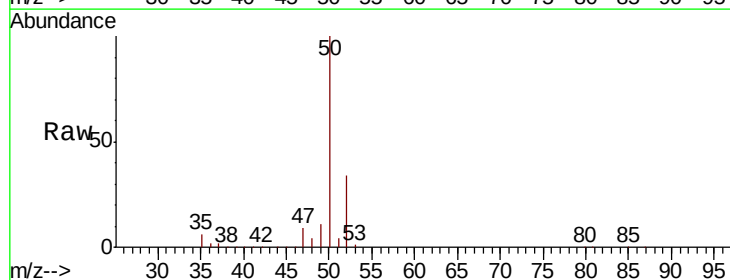
Acq: 12 Oct 2020 9:45

Tgt Ion: 50 Resp: 671127

Ion Ratio Lower Upper

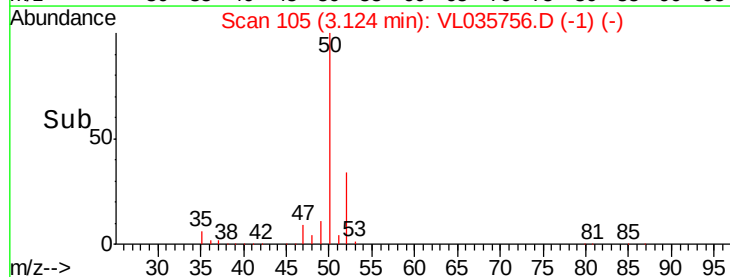
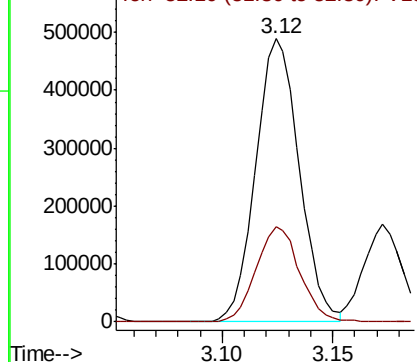
50 100

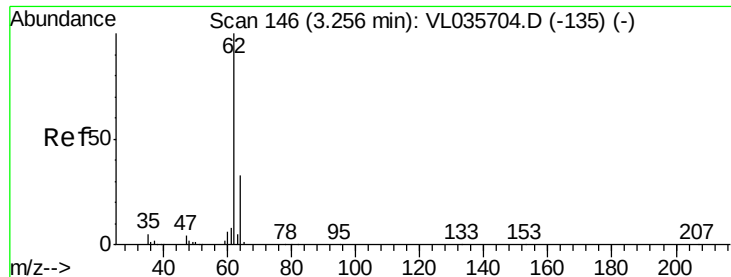
52 33.6 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.519 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

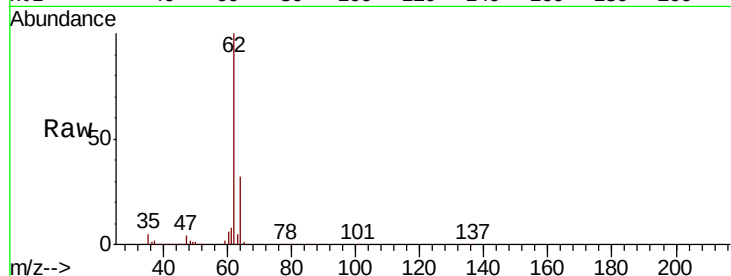
VSTDCCC010

Tot Ion: 62 Resp: 796019

Ion Ratio Lower Upper

62 100

64 31.7 26.8 40.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

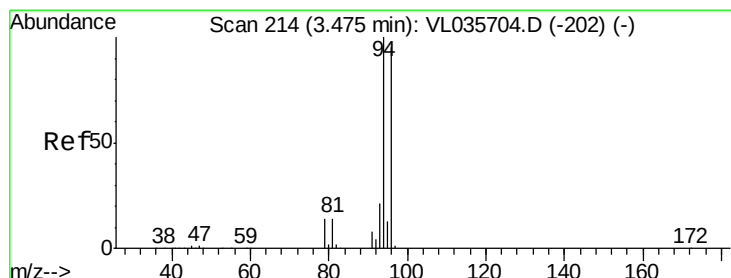
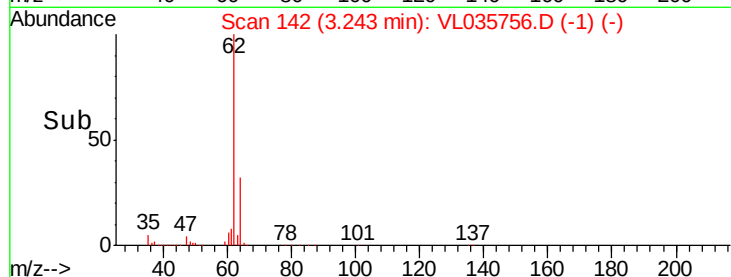
600000

400000

200000

0

Time--> 3.15 3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 9.527 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL035756.D

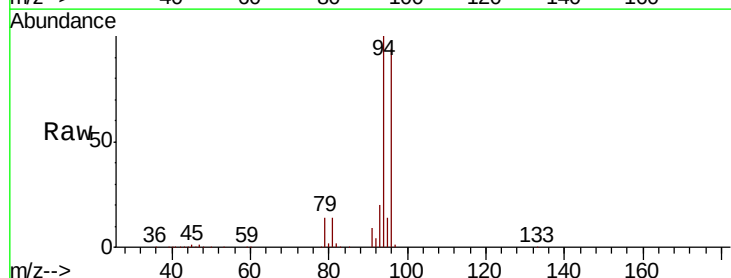
Acq: 12 Oct 2020 9:45

Tgt Ion: 94 Resp: 673509

Ion Ratio Lower Upper

94 100

96 94.4 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

500000

400000

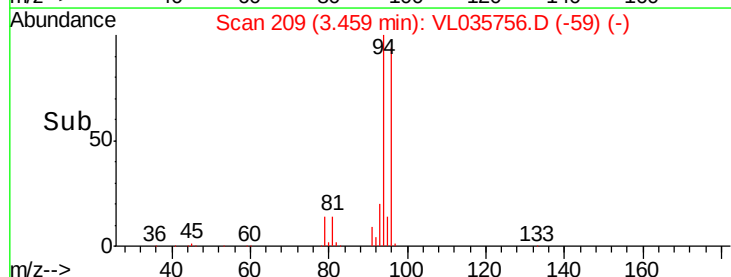
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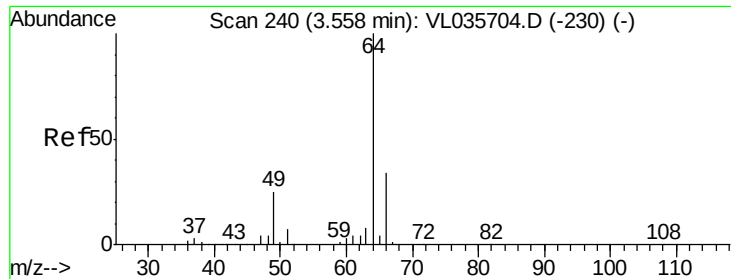
200000

100000

0

Time--> 3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 9.618 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

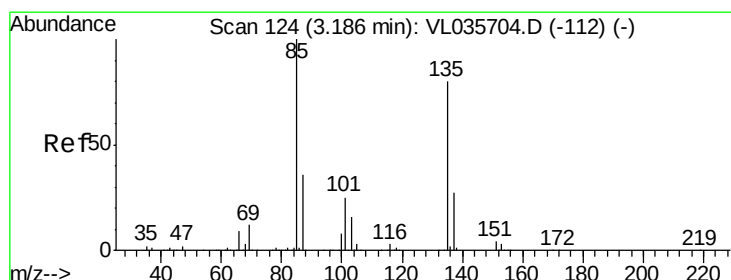
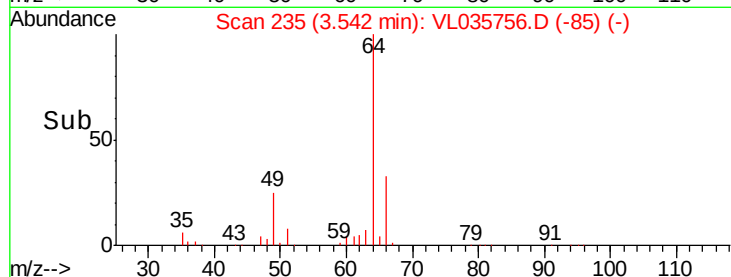
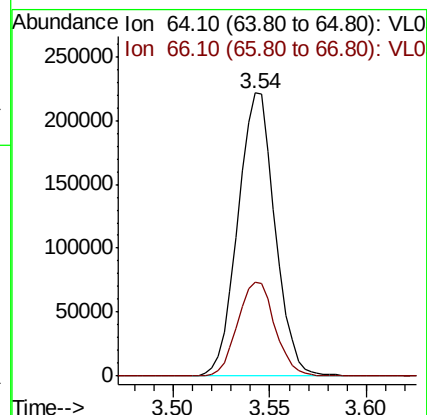
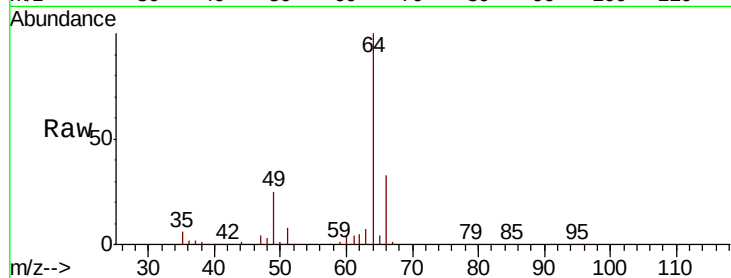
VSTDCCC010

Tot Ion: 64 Resp: 294992

Ion Ratio Lower Upper

64 100

66 33.4 26.9 40.3



#8

Dichlorotetrafluoroethane

Concen: 9.062 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL035756.D

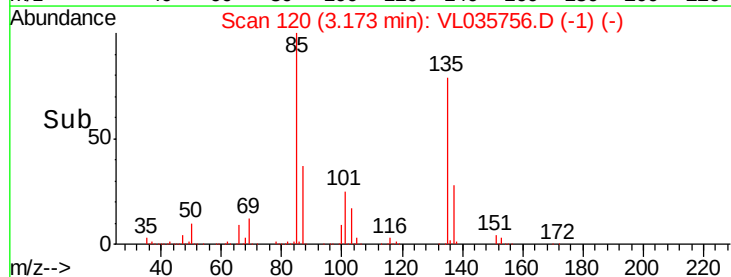
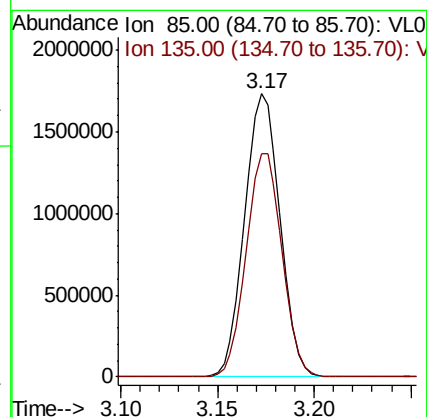
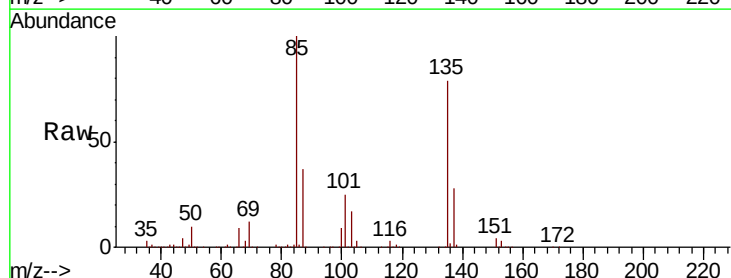
Acq: 12 Oct 2020 9:45

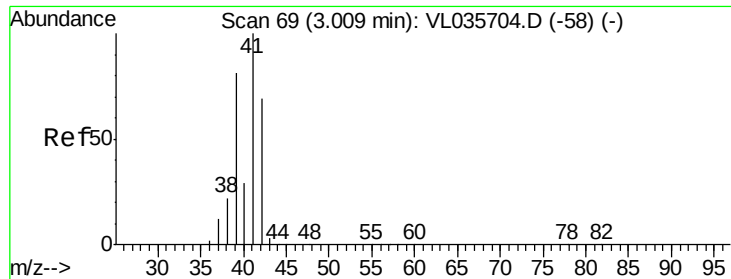
Tgt Ion: 85 Resp: 2206358

Ion Ratio Lower Upper

85 100

135 80.3 64.3 96.5





#9

Propene

Concen: 9.968 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

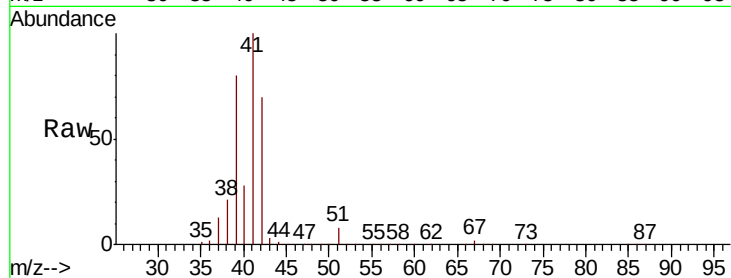
VSTDCCC010

Tot Ion: 41 Resp: 476350

Ion Ratio Lower Upper

41 100

42 70.8 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

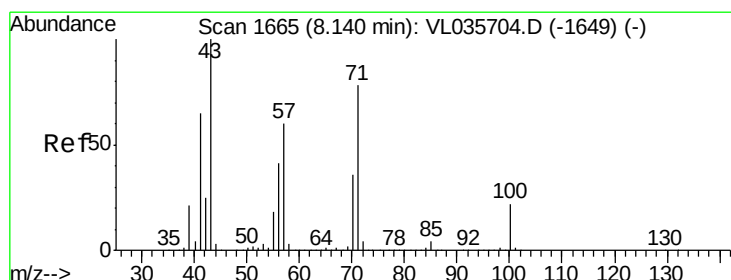
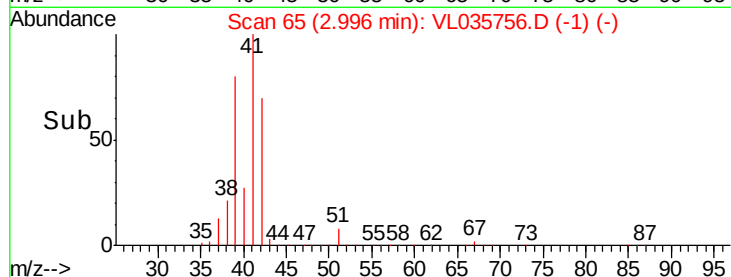
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.352 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.02 min

Lab File: VL035756.D

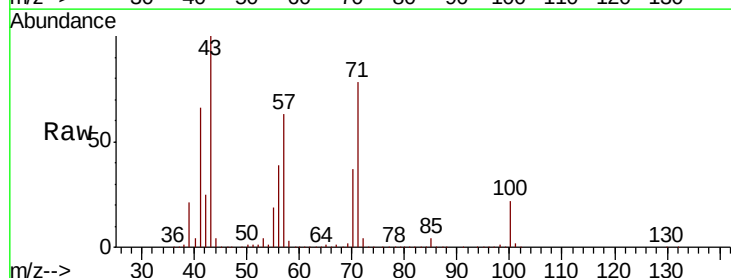
Acq: 12 Oct 2020 9:45

Tgt Ion: 43 Resp: 1379035

Ion Ratio Lower Upper

43 100

57 63.1 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

800000

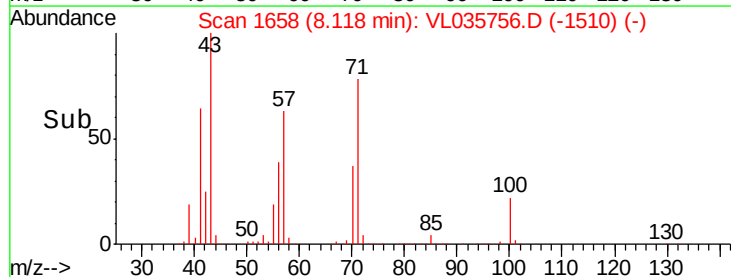
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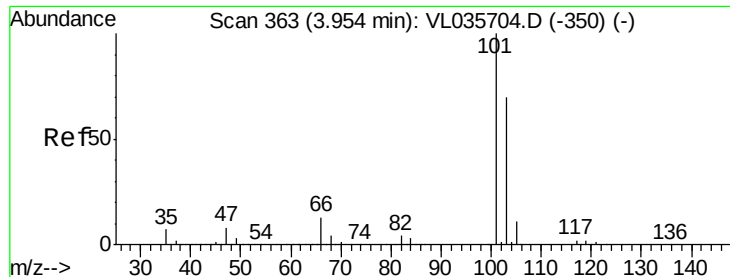
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 9.150 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

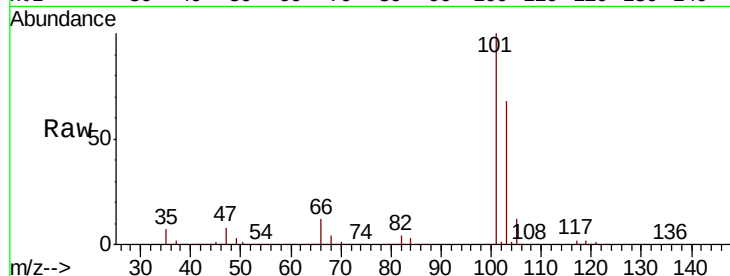
VSTDCCC010

Tot Ion:101 Resp: 2620634

Ion Ratio Lower Upper

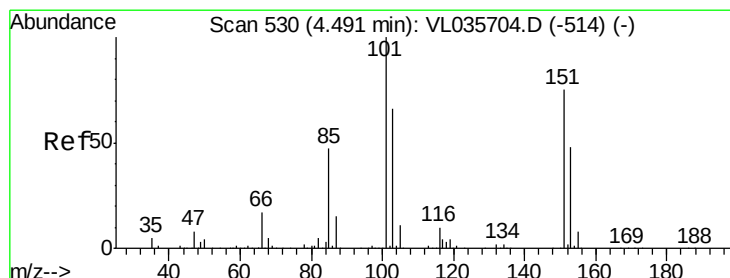
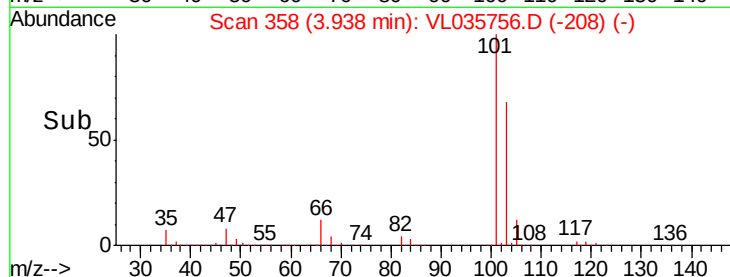
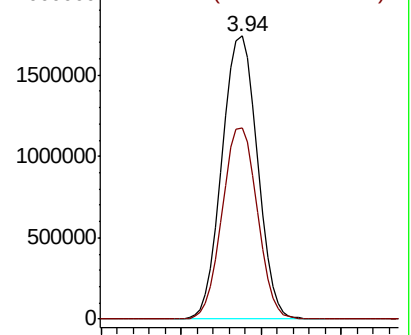
101 100

103 67.6 55.6 83.4



Abundance Ion 101.00 (100.70 to 101.70): V

2000000 Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.204 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.02 min

Lab File: VL035756.D

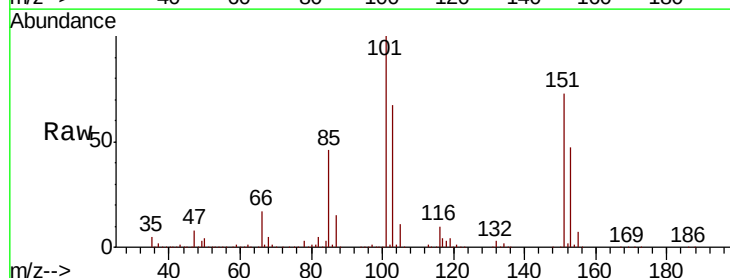
Acq: 12 Oct 2020 9:45

Tgt Ion:101 Resp: 1965063

Ion Ratio Lower Upper

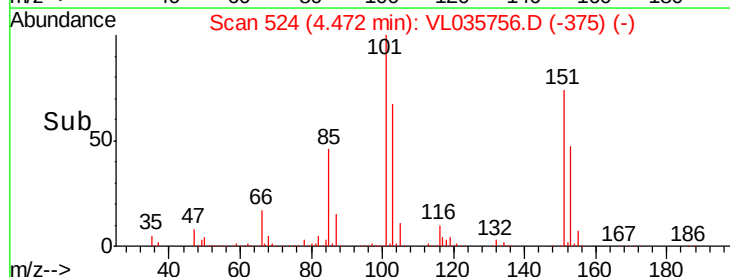
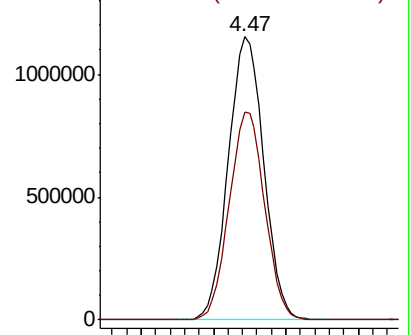
101 100

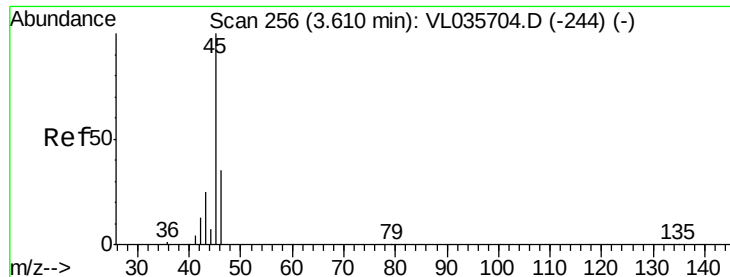
151 73.6 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.635 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

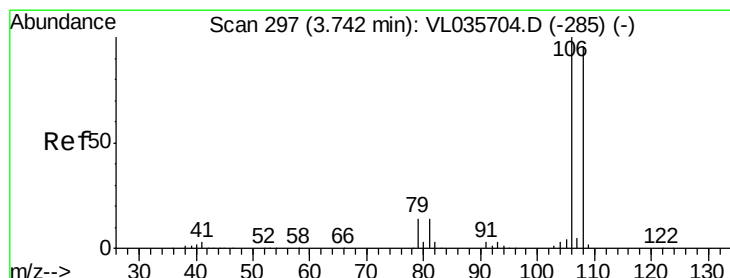
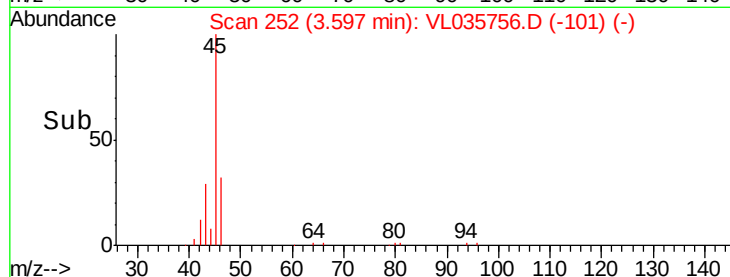
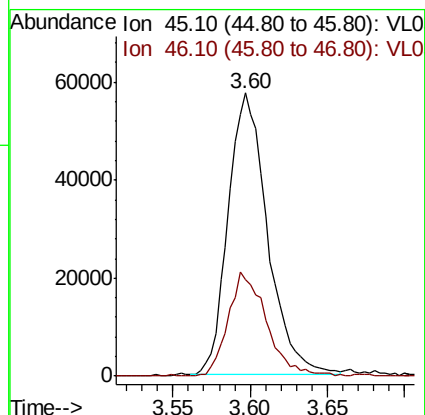
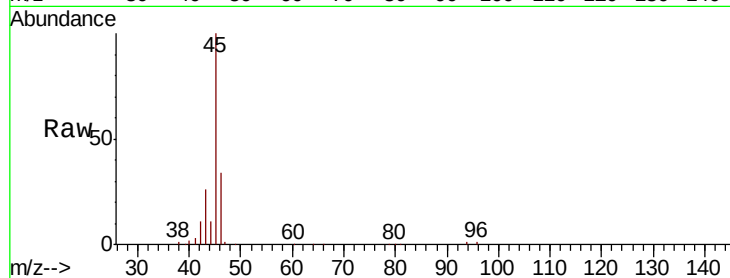
VSTDCCC010

Tot Ion: 45 Resp: 101758

Ion Ratio Lower Upper

45 100

46 36.4 14.7 58.7



#14

Bromoethene

Concen: 9.794 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

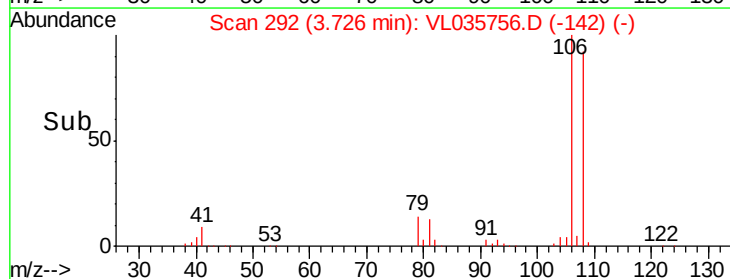
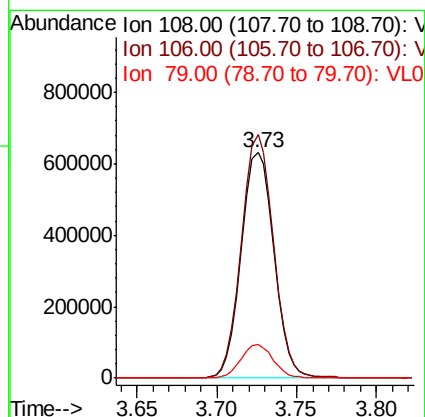
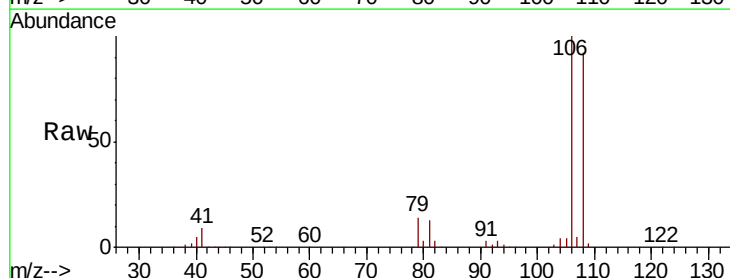
Tgt Ion: 108 Resp: 880794

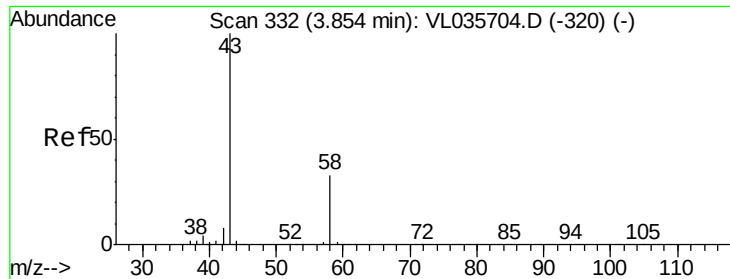
Ion Ratio Lower Upper

108 100

106 105.9 84.6 126.8

79 14.7 11.6 17.4





#15

Acetone

Concen: 8.403 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

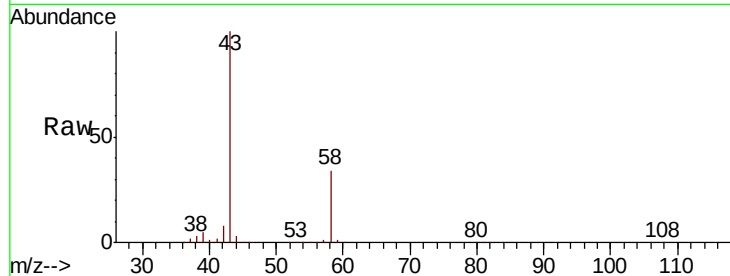
VSTDCCC010

Tot Ion: 43 Resp: 1106139

Ion Ratio Lower Upper

43 100

58 34.4 27.3 40.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.84

800000

600000

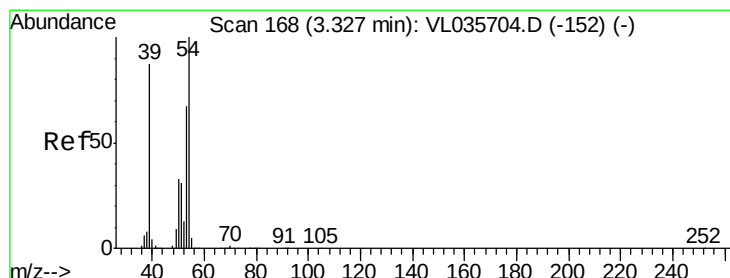
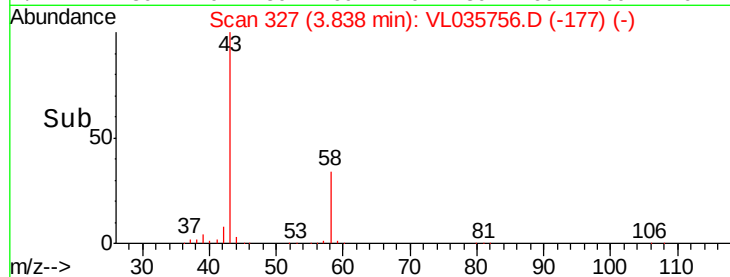
400000

200000

0

3.75 3.80 3.85 3.90 3.95

Time-->



#16

1,3-Butadiene

Concen: 10.338 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.01 min

Lab File: VL035756.D

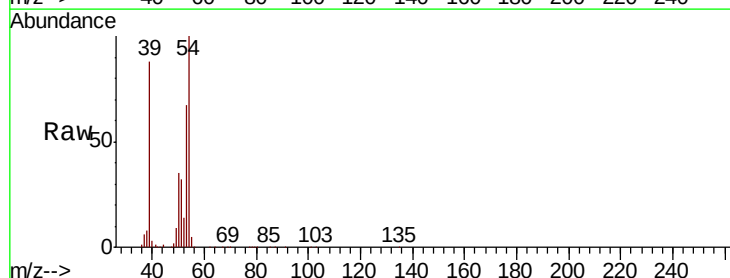
Acq: 12 Oct 2020 9:45

Tgt Ion: 39 Resp: 497880

Ion Ratio Lower Upper

39 100

54 109.4 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

500000

400000

300000

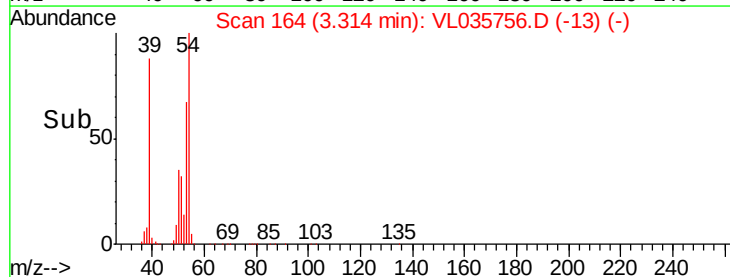
200000

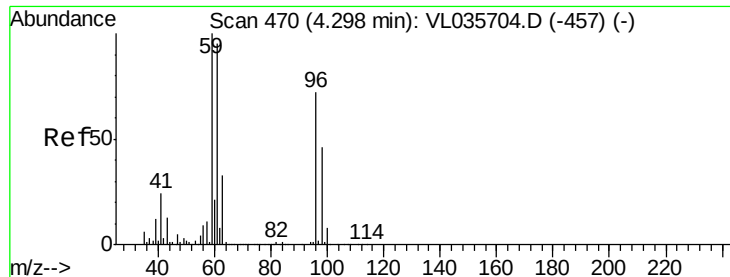
100000

0

3.25 3.30 3.35 3.40

Time-->





#17

tert-Butyl alcohol

Concen: 10.362 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

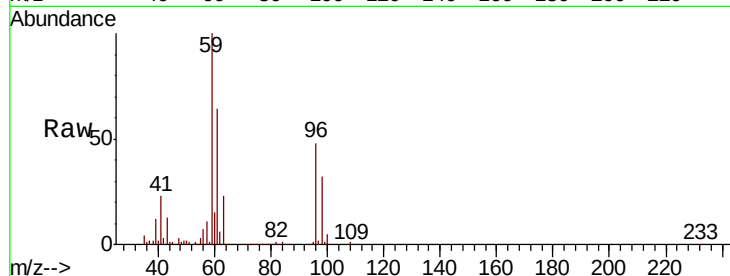
VSTDCCC010

Tot Ion: 59 Resp: 1485738

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

800000

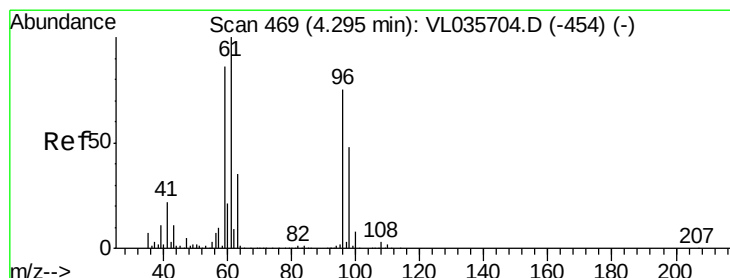
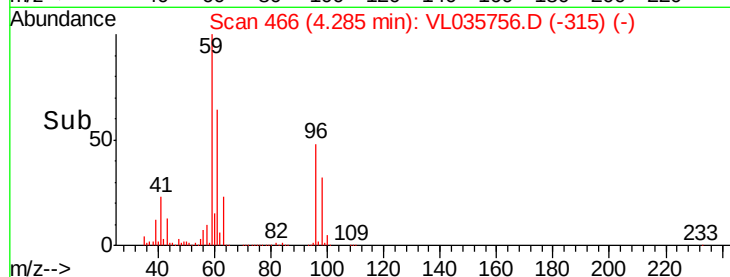
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.770 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

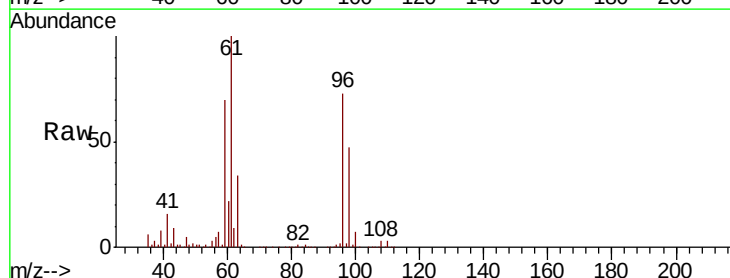
Tgt Ion: 96 Resp: 913306

Ion Ratio Lower Upper

96 100

61 137.4 106.7 160.1

98 64.9 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

1200000

1000000

800000

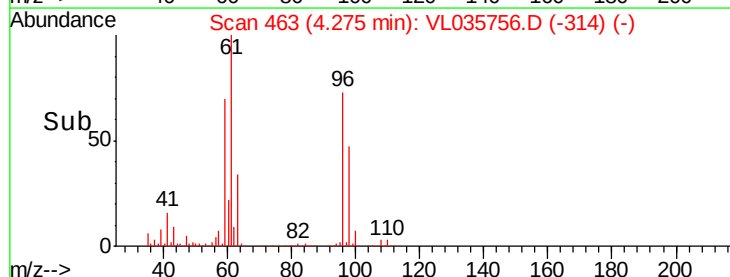
600000

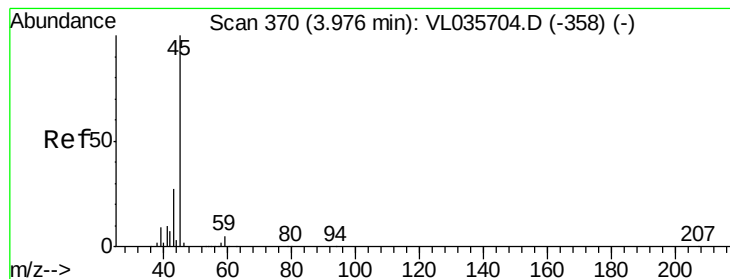
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.114 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

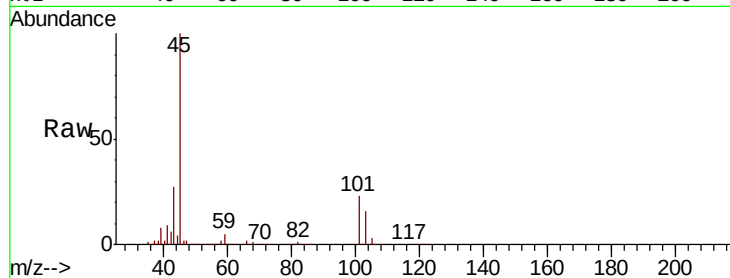
VSTDCCC010

Tot Ion: 45 Resp: 724243

Ion Ratio Lower Upper

45 100

58 3.1 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

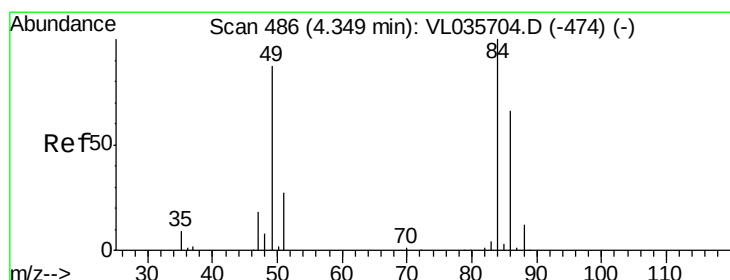
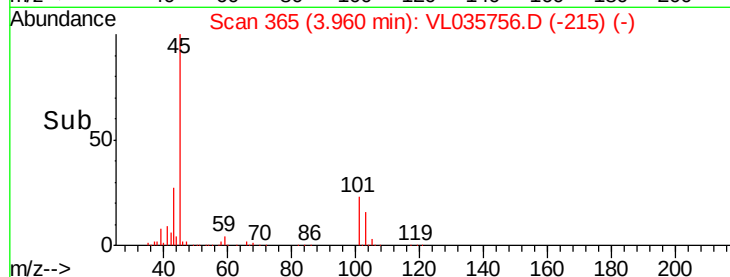
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.814 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Tgt Ion: 84 Resp: 755562

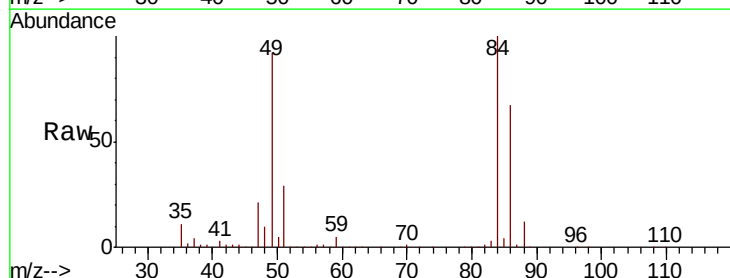
Ion Ratio Lower Upper

84 100

49 91.5 69.8 104.6

51 28.2 21.8 32.8

86 67.2 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

4.33

800000

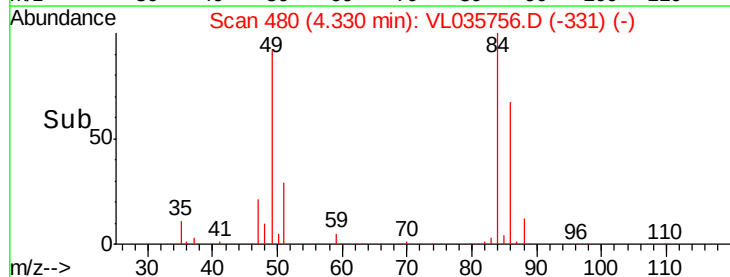
600000

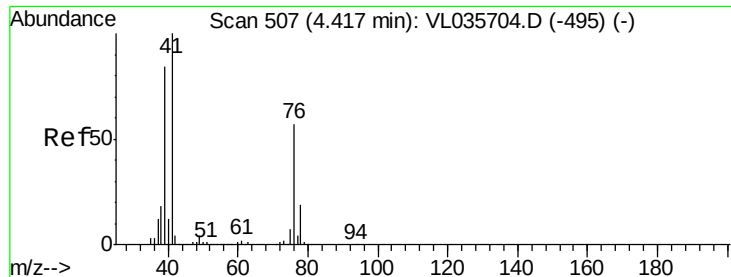
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.335 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

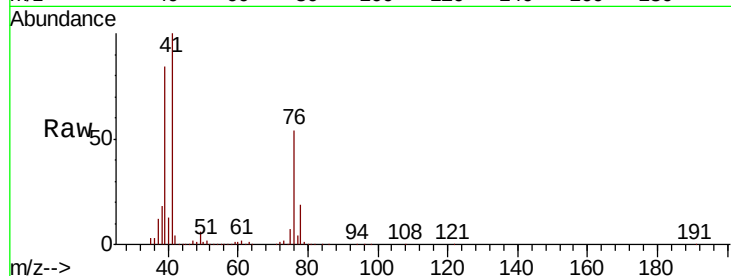
Tot Ion: 41 Resp: 659445

Ion Ratio Lower Upper

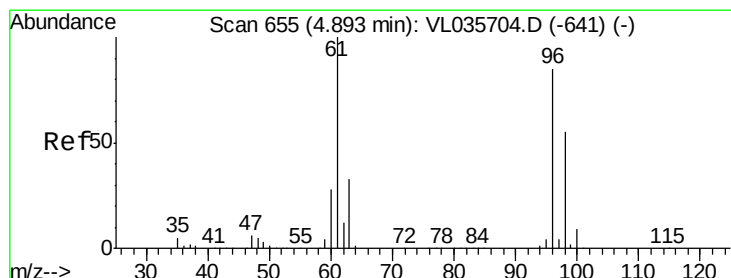
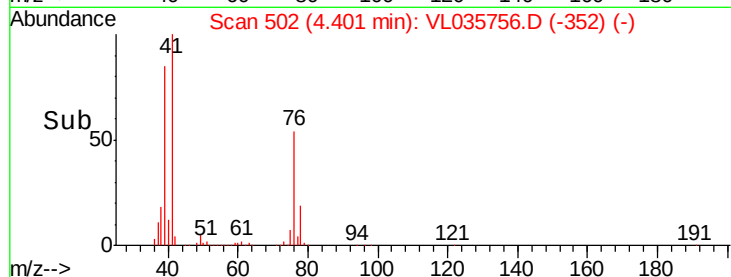
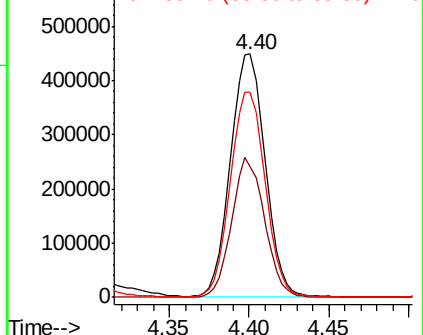
41 100

76 54.7 44.8 67.2

39 85.4 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: 9.641 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

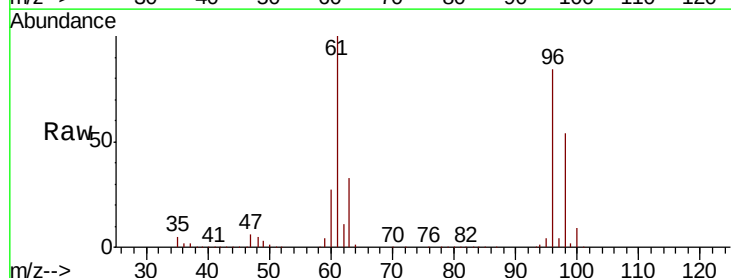
Tgt Ion: 96 Resp: 952131

Ion Ratio Lower Upper

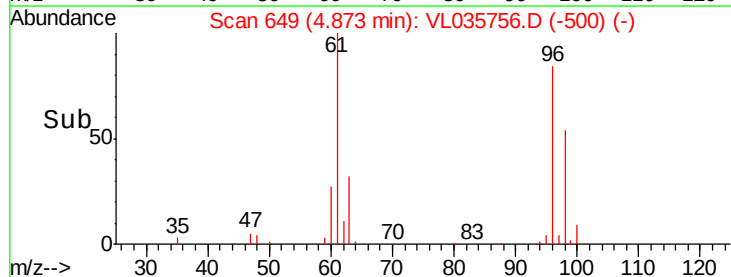
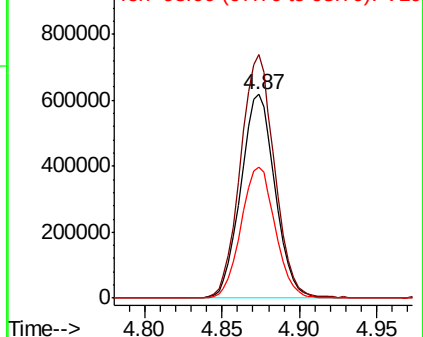
96 100

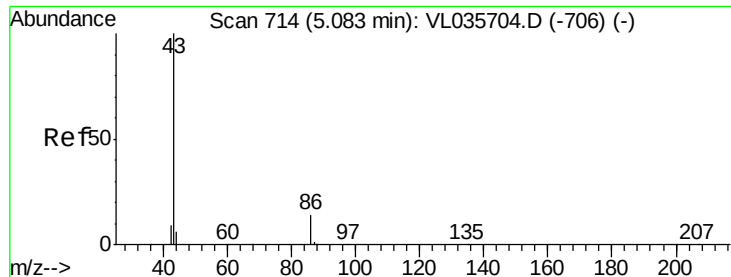
61 119.6 93.7 140.5

98 64.2 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: 10.589 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1707373

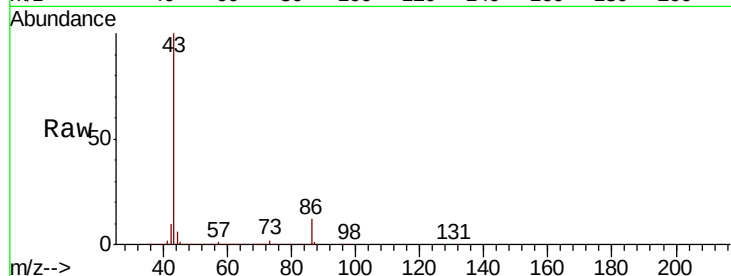
Ion	Ratio	Lower	Upper
43	100		
86	12.2	9.7	14.5
42	9.7	7.9	11.9
44	5.9	4.8	7.2

43 100

86 12.2 9.7 14.5

42 9.7 7.9 11.9

44 5.9 4.8 7.2

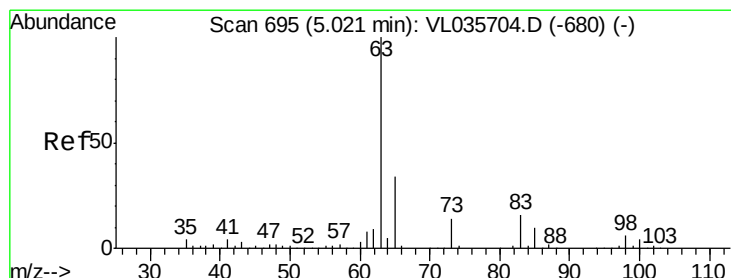
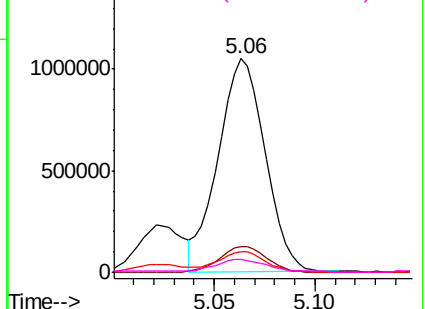
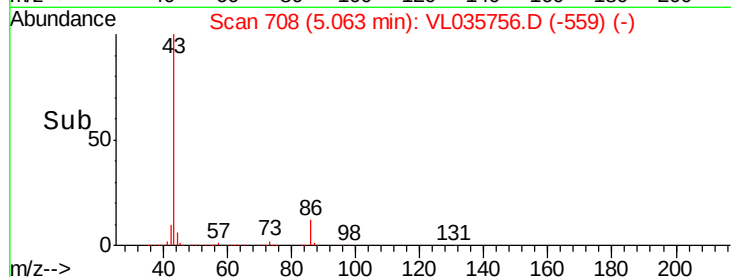


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.436 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

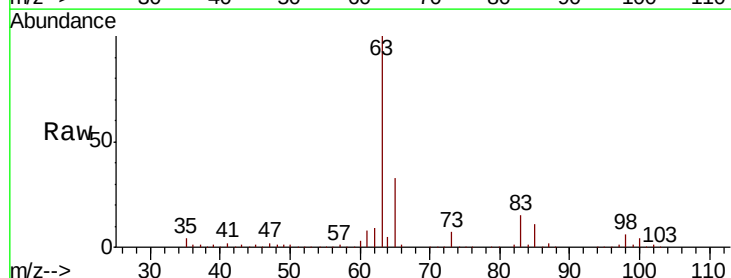
Tgt Ion: 63 Resp: 1657112

Ion	Ratio	Lower	Upper
63	100		
98	5.9	3.3	9.8
100	3.9	2.0	5.8

63 100

98 5.9 3.3 9.8

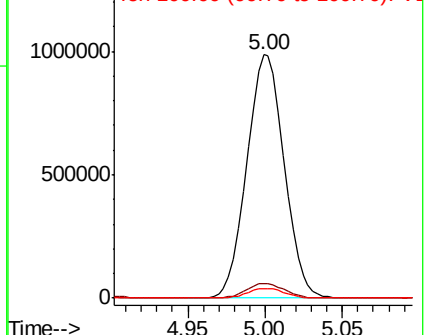
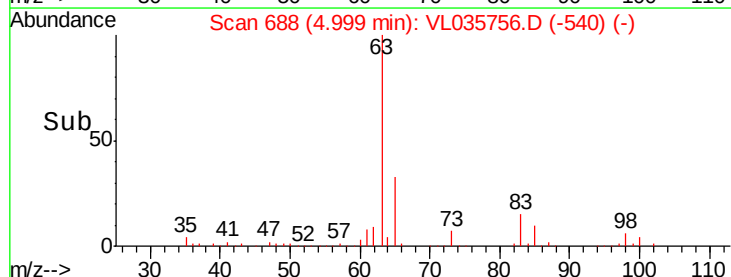
100 3.9 2.0 5.8

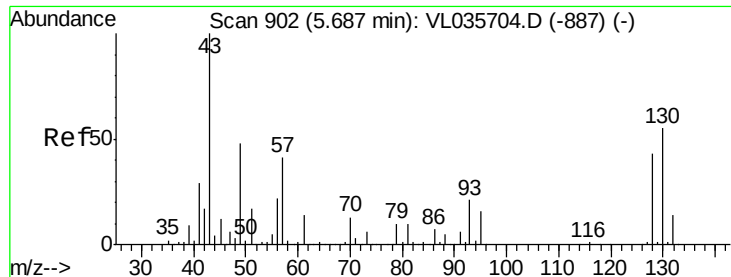


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.572 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2267270

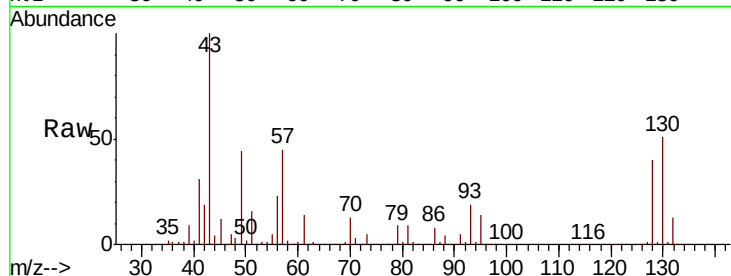
Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	13.1	10.4	15.6
70	11.2	8.9	13.3

43 100

45 10.8 8.6 12.8

61 13.1 10.4 15.6

70 11.2 8.9 13.3

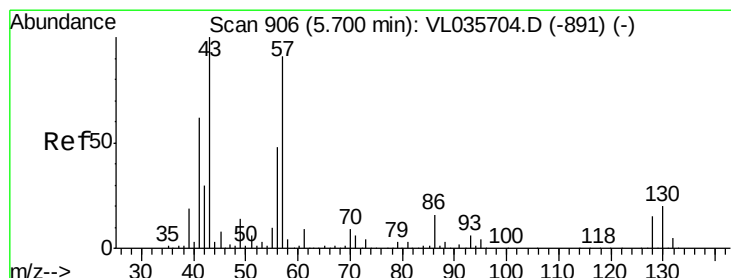
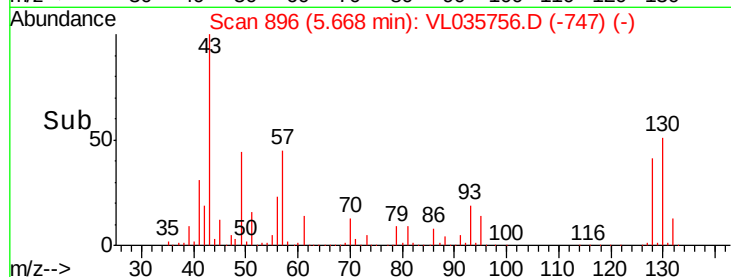
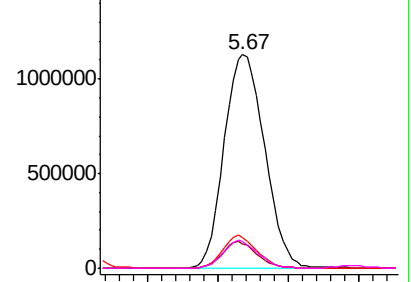


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.681 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Tgt Ion: 57 Resp: 1256594

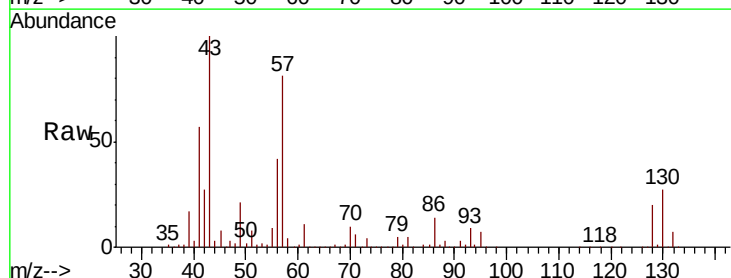
Ion	Ratio	Lower	Upper
57	100		
41	73.1	57.9	86.9
43	181.2	143.8	215.6
56	53.0	43.0	64.6

57 100

41 73.1 57.9 86.9

43 181.2 143.8 215.6

56 53.0 43.0 64.6

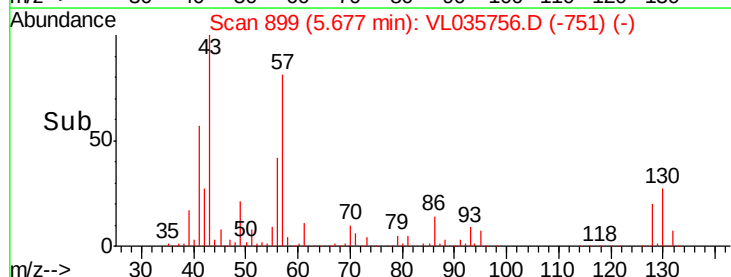
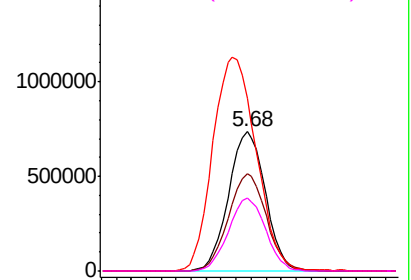


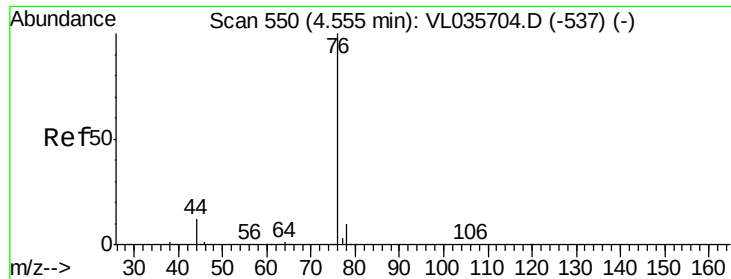
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.540 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

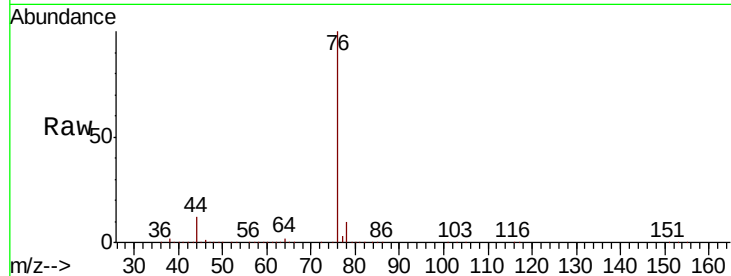
Tot Ion: 76 Resp: 2039194

Ion Ratio Lower Upper

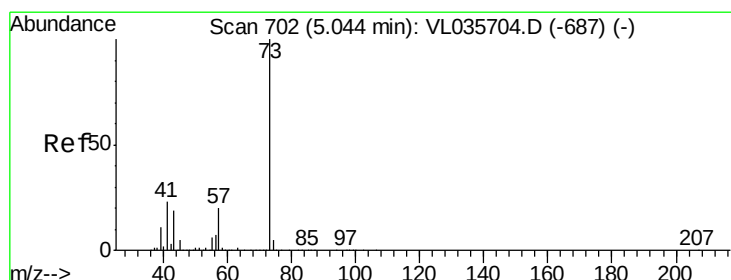
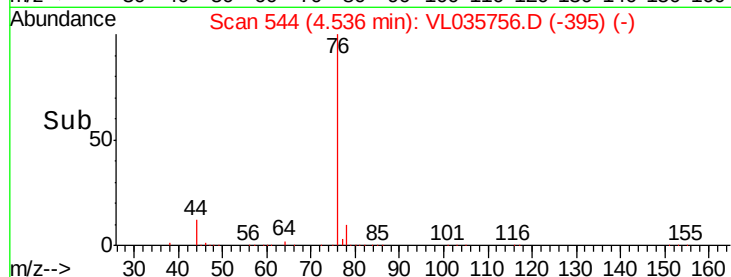
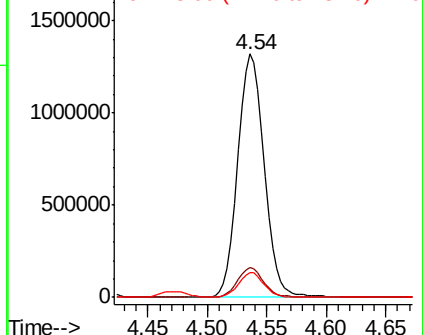
76 100

44 12.0 9.7 14.5

78 9.8 7.8 11.8



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



#28

Methyl tert-Butyl Ether

Concen: 10.706 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL035756.D

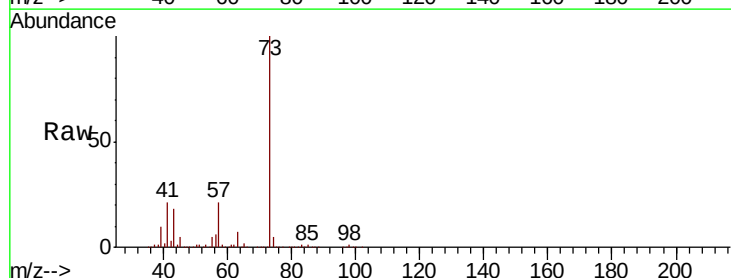
Acq: 12 Oct 2020 9:45

Tgt Ion: 73 Resp: 2202888

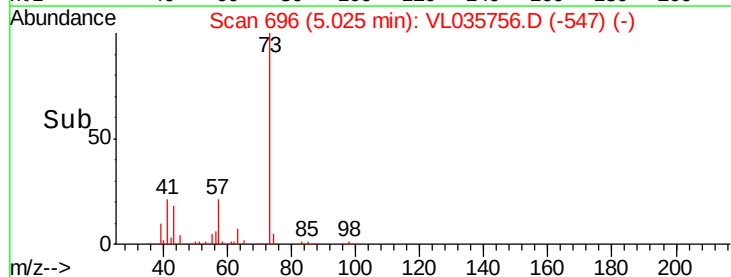
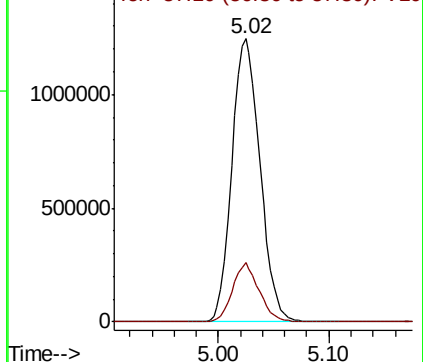
Ion Ratio Lower Upper

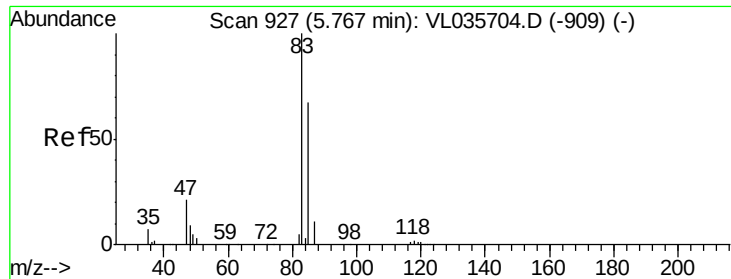
73 100

57 19.7 15.6 23.4



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

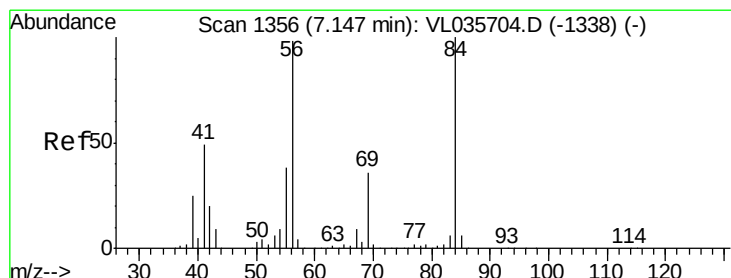
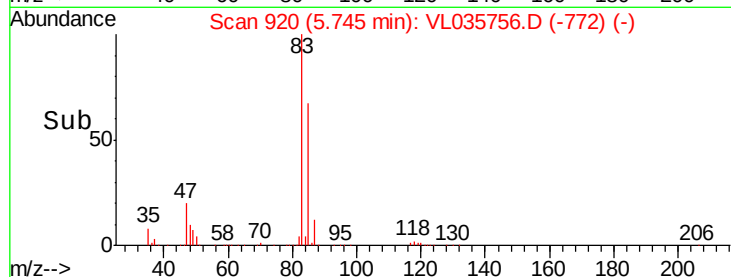
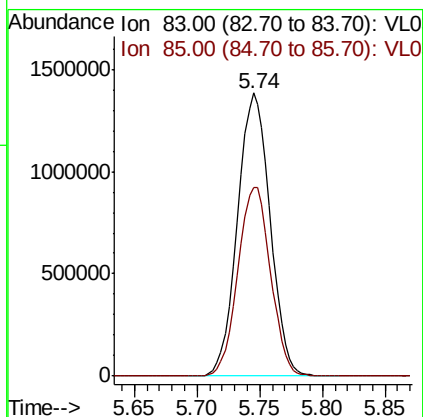
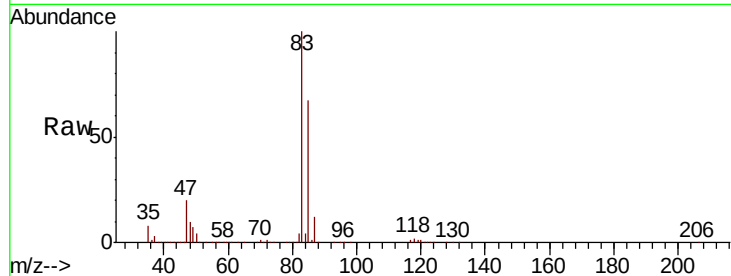




#29
Chloroform
Concen: 9.495 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

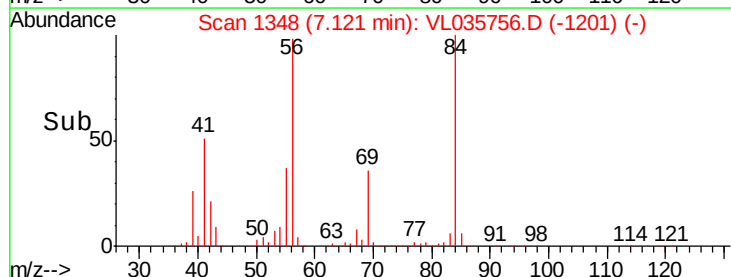
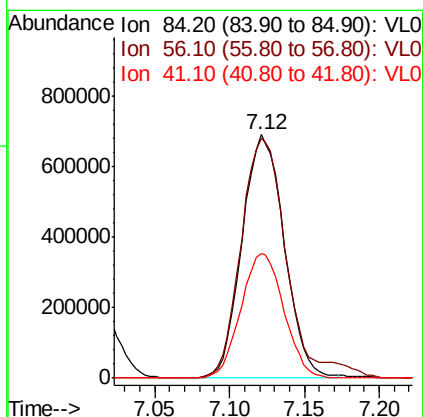
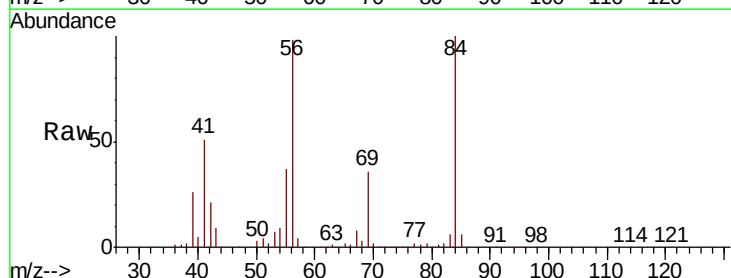
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

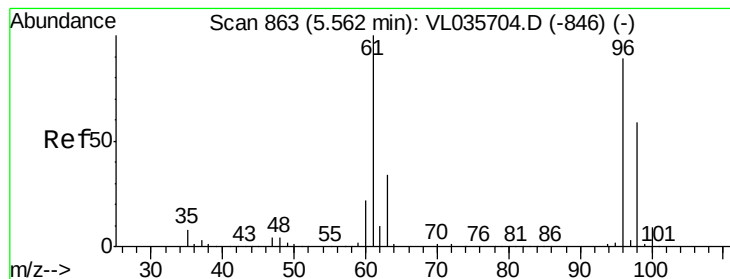
Tot Ion: 83 Resp: 2502780
Ion Ratio Lower Upper
83 100
85 66.6 54.0 81.0



#30
Cyclohexane
Concen: 10.625 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.03 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

Tgt Ion: 84 Resp: 1360637
Ion Ratio Lower Upper
84 100
56 106.3 84.6 127.0
41 51.9 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 10.715 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

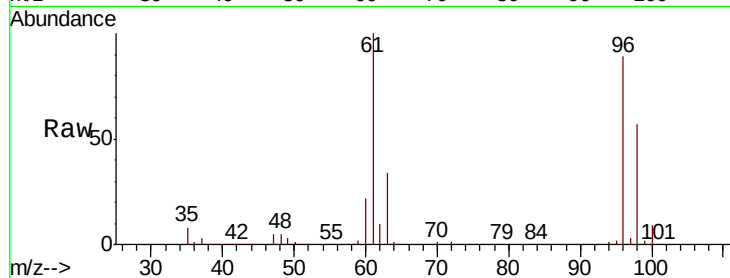
Tot Ion: 61 Resp: 1342598

Ion Ratio Lower Upper

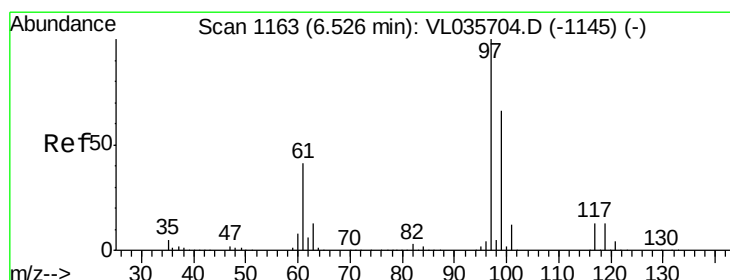
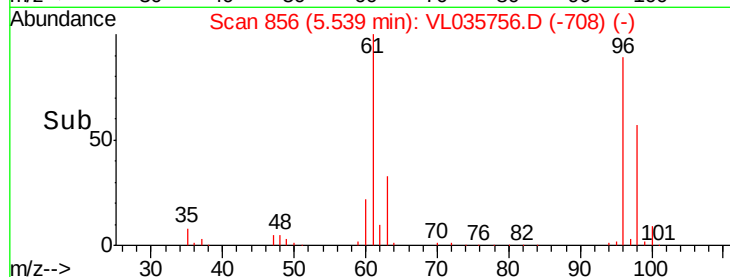
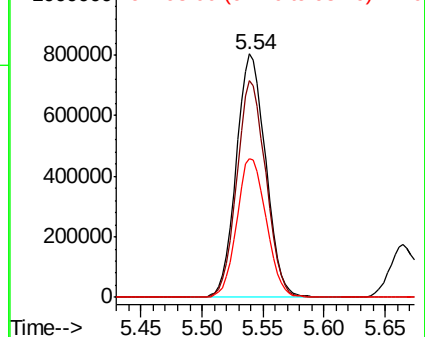
61 100

96 89.2 71.4 107.2

98 57.2 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: 10.510 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

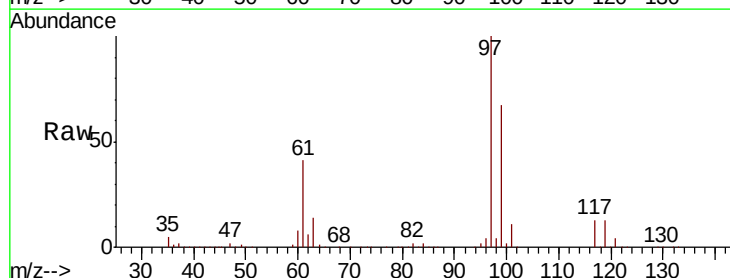
Tgt Ion: 97 Resp: 2442038

Ion Ratio Lower Upper

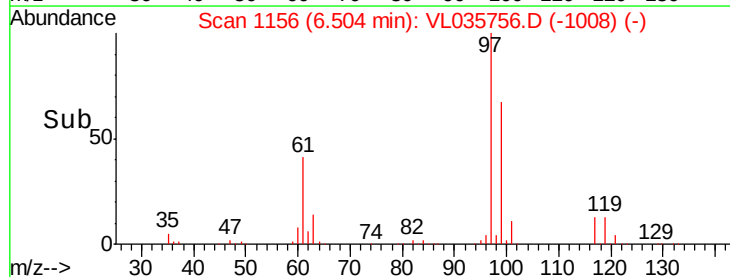
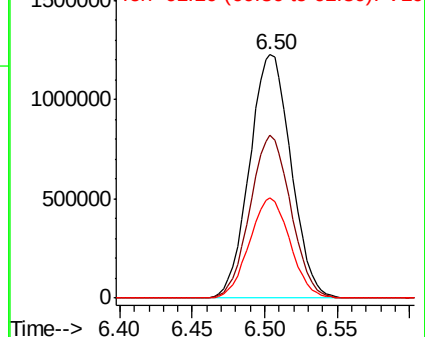
97 100

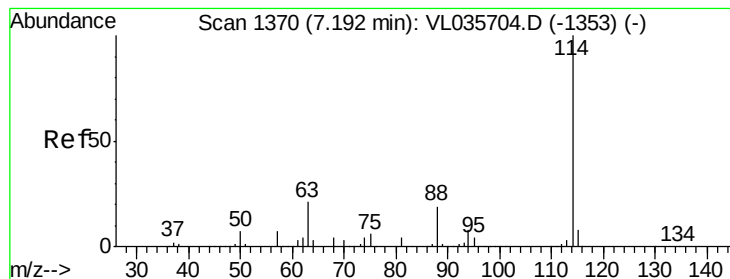
99 65.8 52.7 79.1

61 40.4 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: 7.17 min Scan# 1363

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

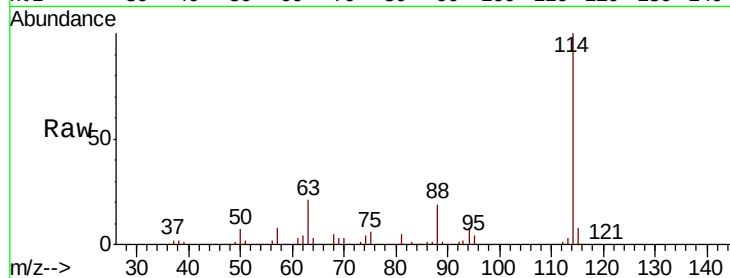
Tot Ion:114 Resp: 4691651

Ion Ratio Lower Upper

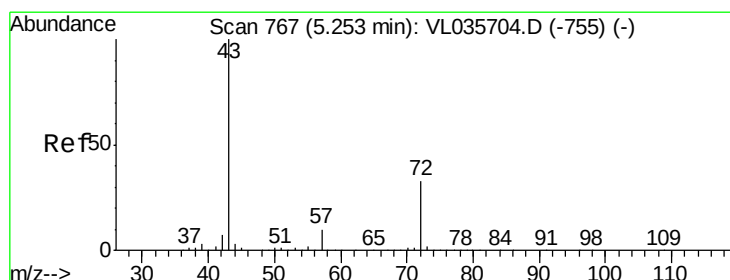
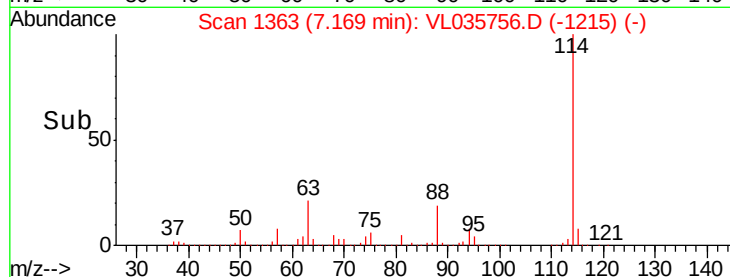
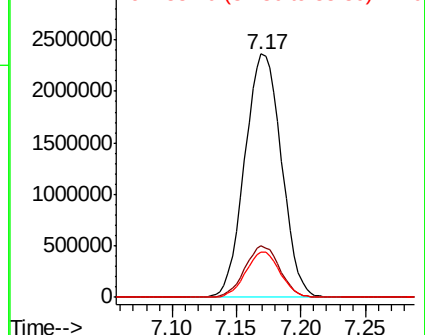
114 100

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: 10.055 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.02 min

Lab File: VL035756.D

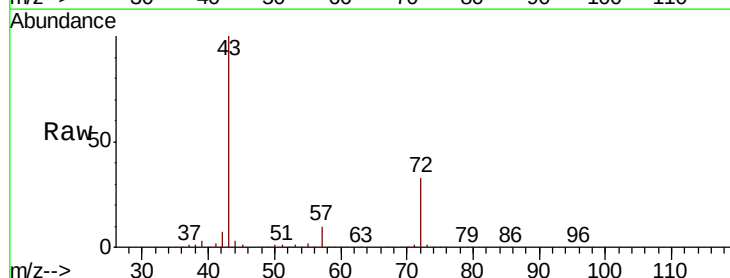
Acq: 12 Oct 2020 9:45

Tgt Ion: 43 Resp: 1560356

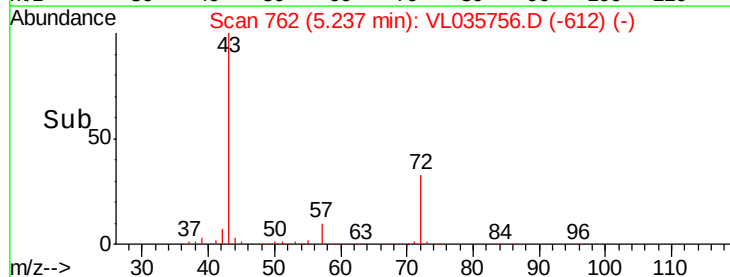
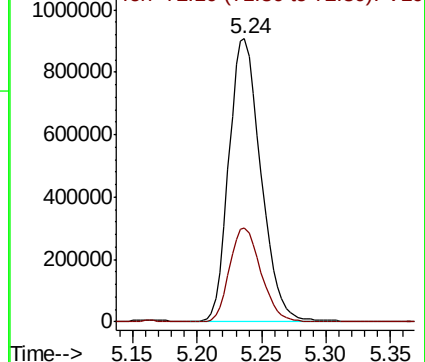
Ion Ratio Lower Upper

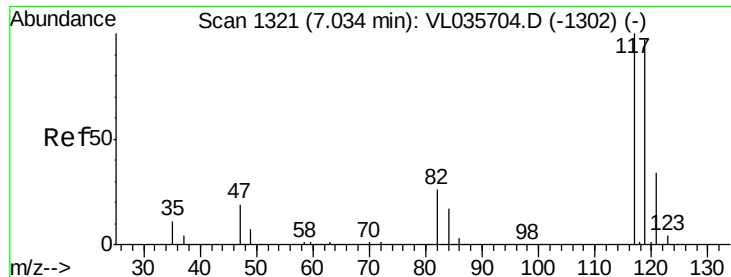
43 100

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: 10.248 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

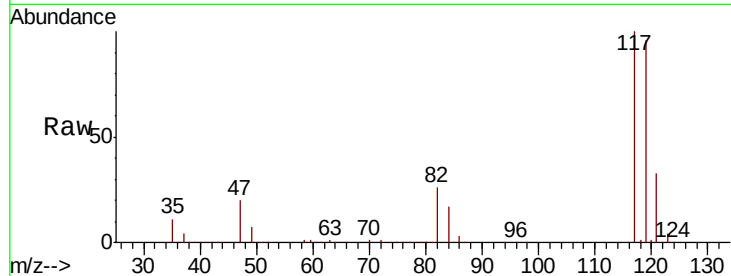
Tot Ion:117 Resp: 2506818

Ion Ratio Lower Upper

117 100

119 95.5 77.7 116.5

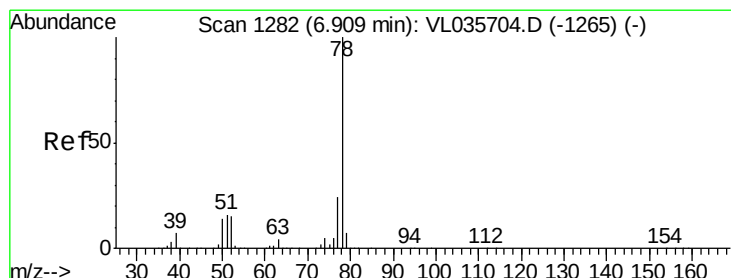
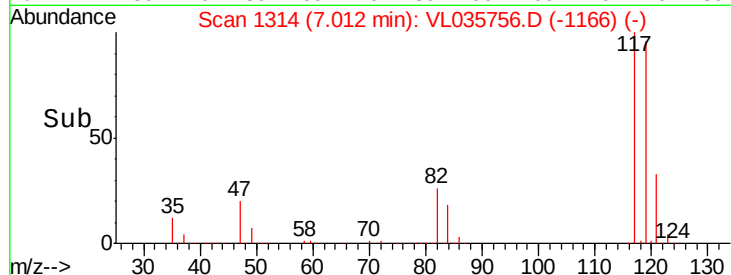
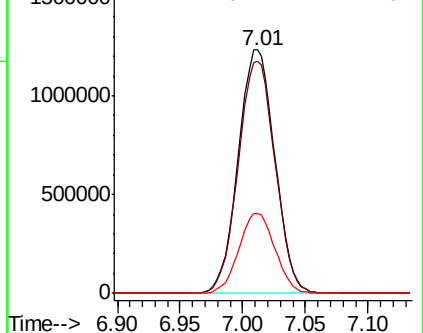
121 32.8 26.9 40.3



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: 10.338 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

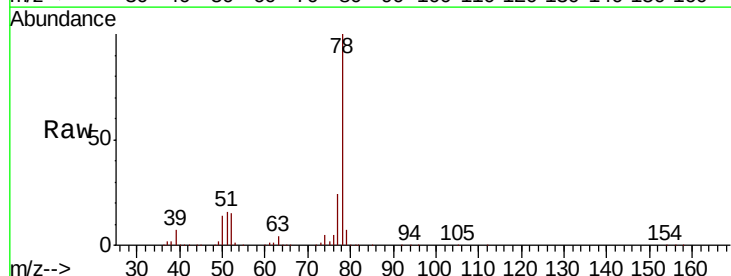
Tgt Ion: 78 Resp: 3160375

Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

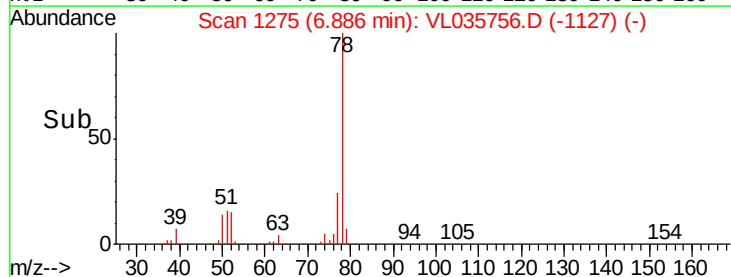
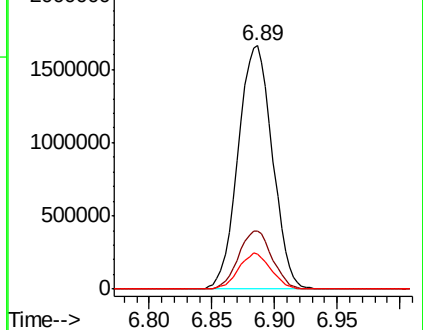
50 14.4 11.6 17.4

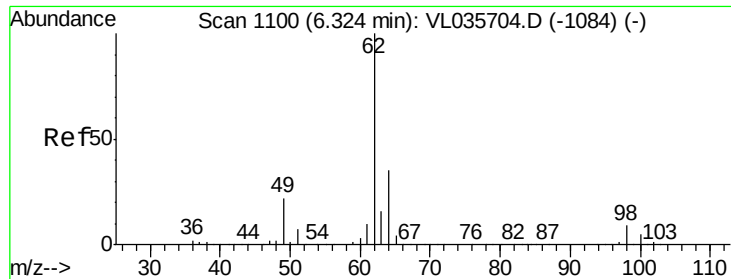


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

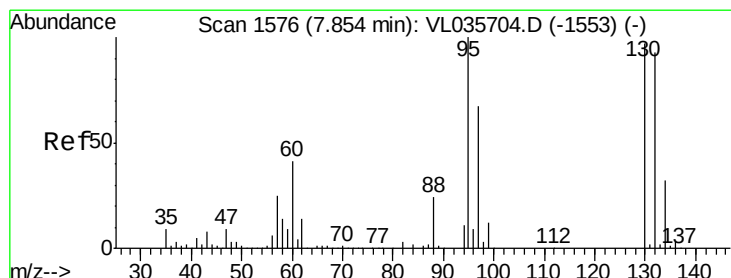
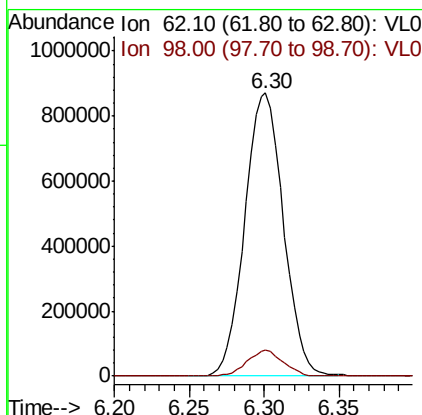
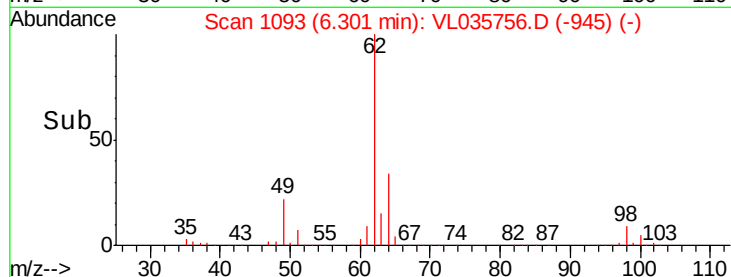
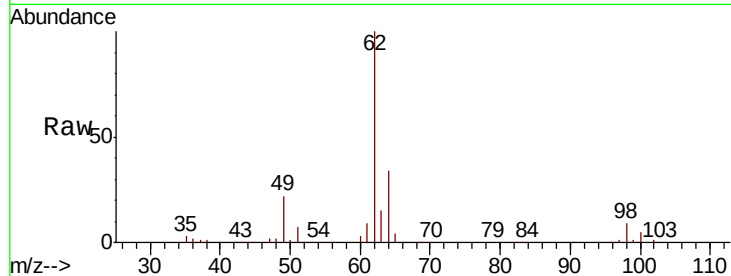




#37
 1,2-Dichloroethane
 Concen: 9.807 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.02 min
 Lab File: VL035756.D
 Acq: 12 Oct 2020 9:45

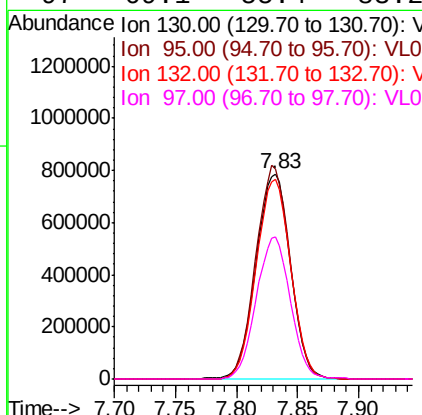
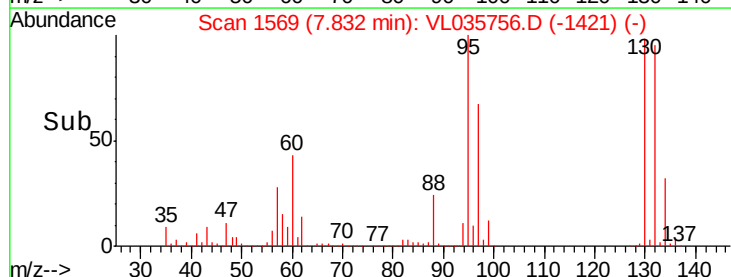
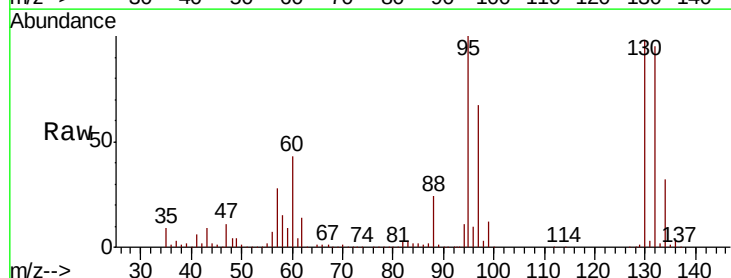
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

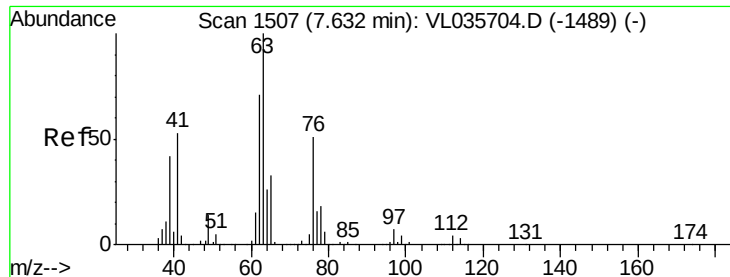
Tot Ion: 62 Resp: 1562583
 Ion Ratio Lower Upper
 62 100
 98 8.7 6.9 10.3



#38
 Trichloroethene
 Concen: 10.123 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL035756.D
 Acq: 12 Oct 2020 9:45

Tgt Ion: 130 Resp: 1543774
 Ion Ratio Lower Upper
 130 100
 95 102.5 82.4 123.6
 132 97.3 76.8 115.2
 97 69.1 55.4 83.2





#39

1,2-Dichloropropane

Concen: 9.844 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

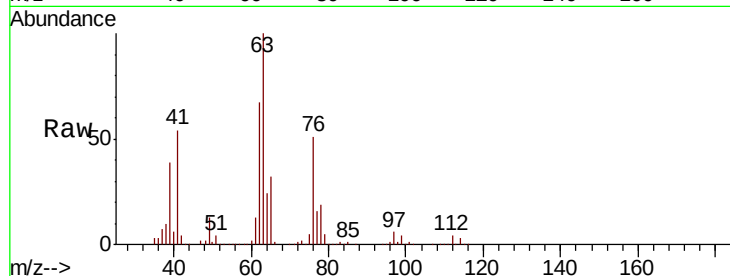
Tot Ion: 63 Resp: 1090824

Ion Ratio Lower Upper

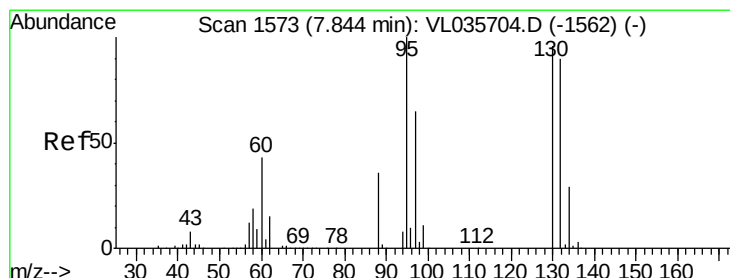
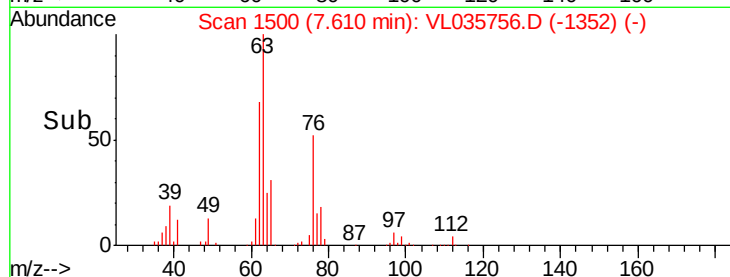
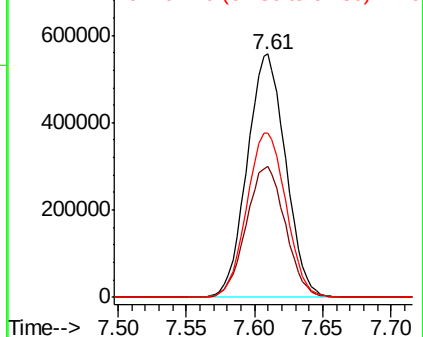
63 100

41 53.5 42.6 63.8

62 67.3 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: 10.461 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Tgt Ion: 88 Resp: 530103

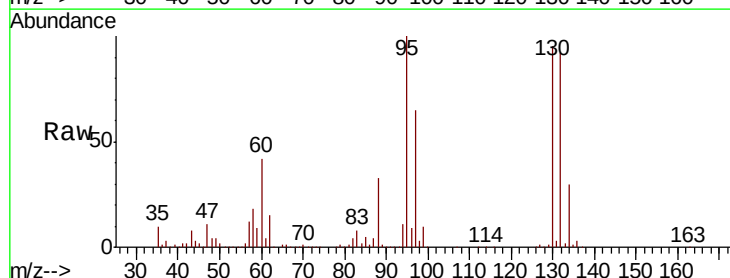
Ion Ratio Lower Upper

88 100

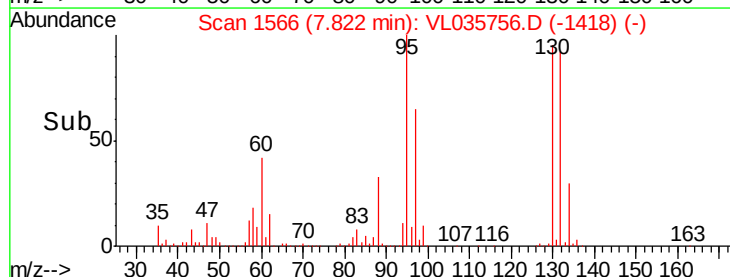
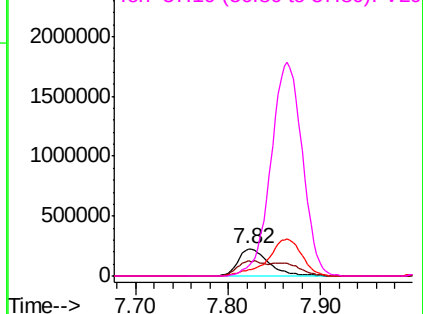
58 93.8 76.2 114.4

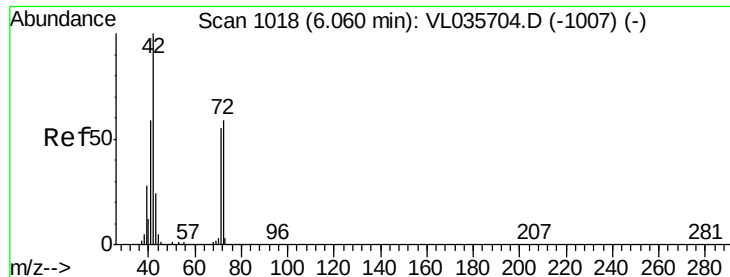
43 151.8 123.4 185.2

57 801.6 652.5 978.7



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: 11.279 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

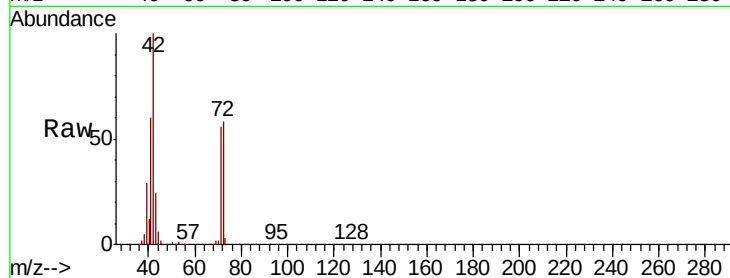
Tot Ion: 42 Resp: 881779

Ion Ratio Lower Upper

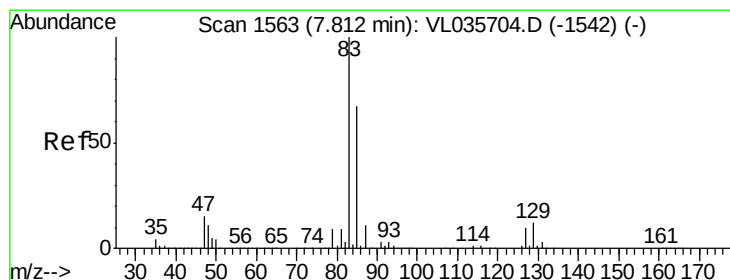
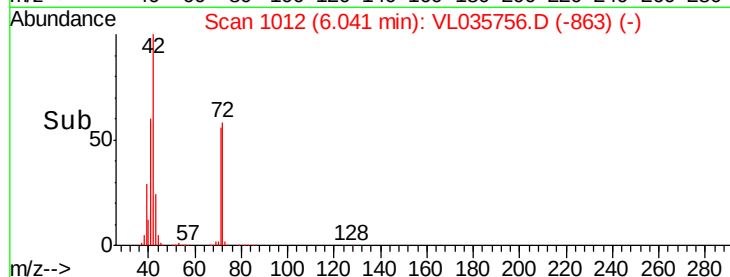
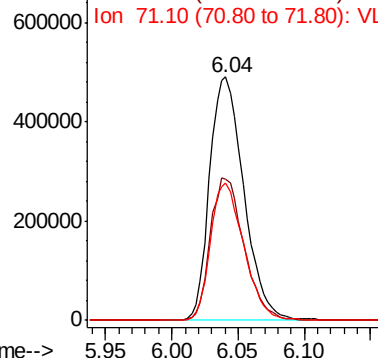
42 100

72 57.8 46.2 69.4

71 55.2 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



#42

Bromodichloromethane

Concen: 10.197 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

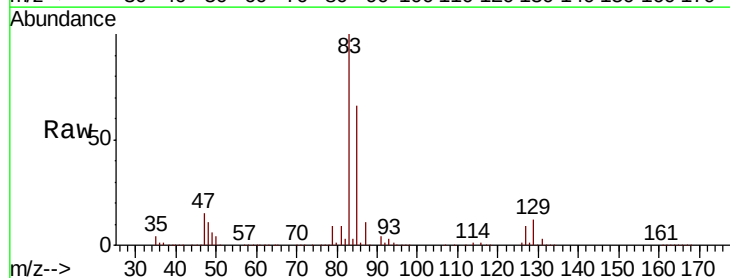
Tgt Ion: 83 Resp: 2617249

Ion Ratio Lower Upper

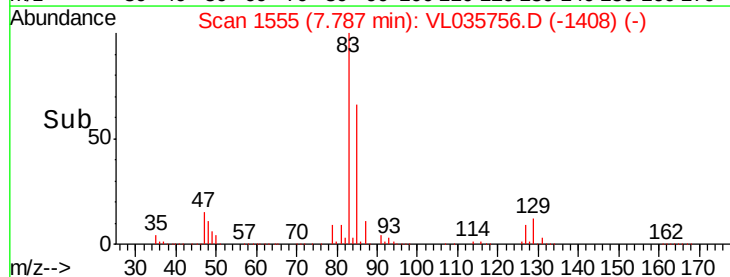
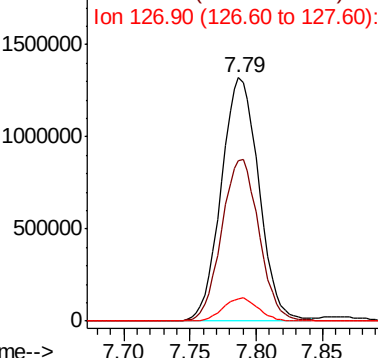
83 100

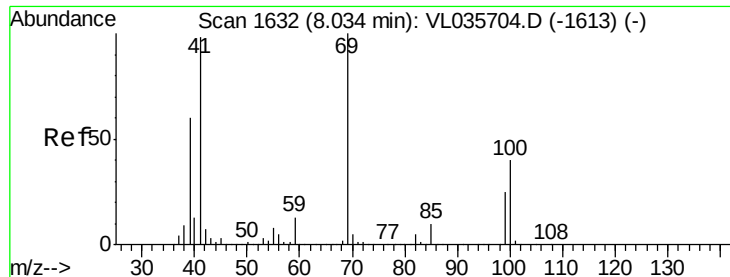
85 66.0 53.4 80.0

127 9.3 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

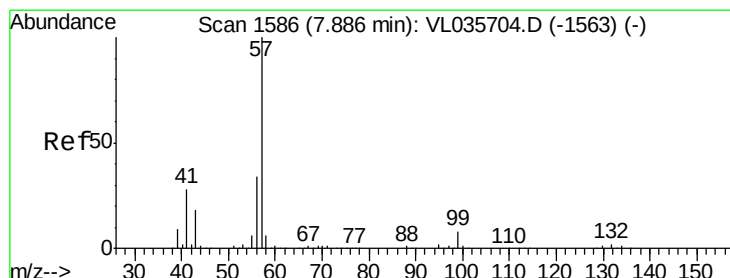
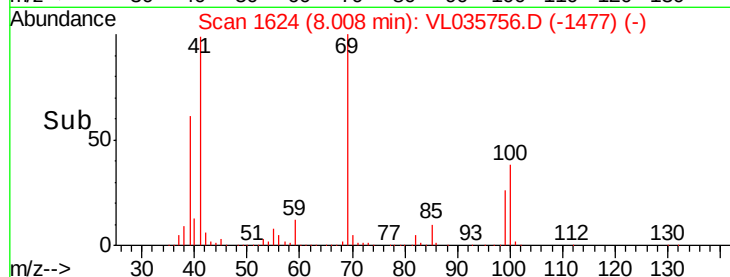
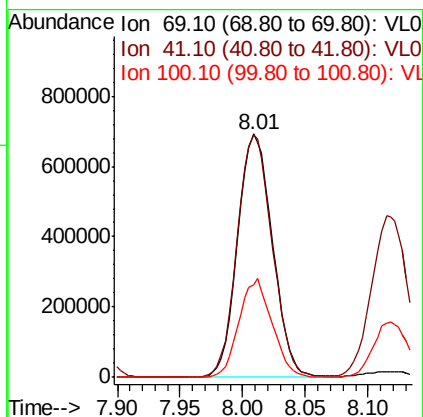
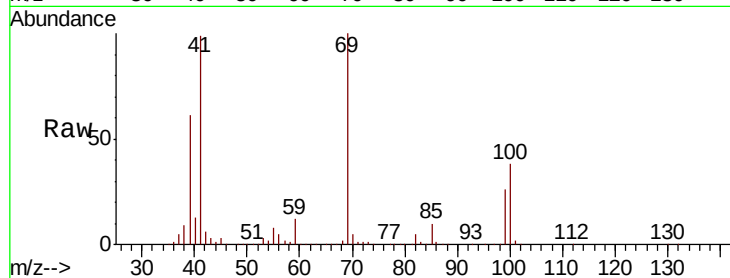




#43
Methvl Methacrylate
Concen: 11.005 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.03 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

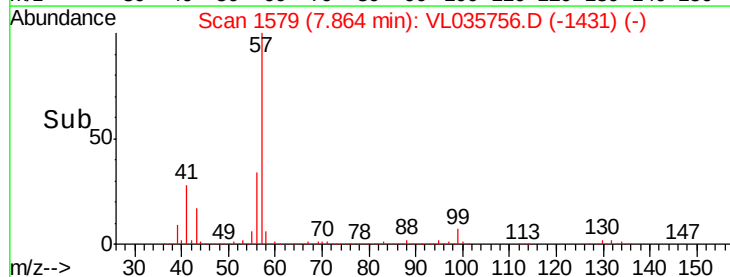
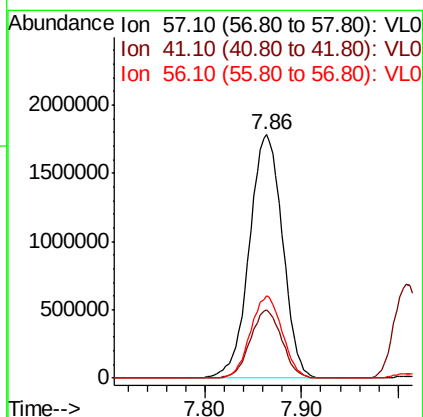
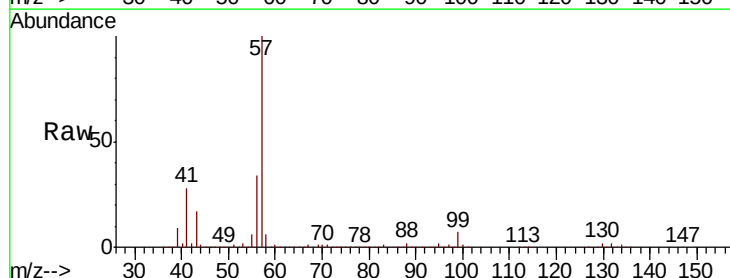
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

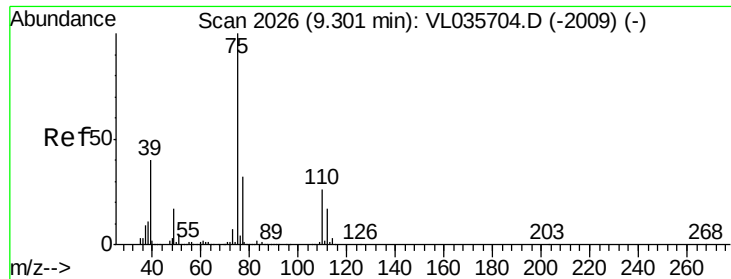
Tot Ion: 69 Resp: 1338013
Ion Ratio Lower Upper
69 100
41 100.0 79.8 119.6
100 38.5 30.6 46.0



#44
2,2,4-Trimethylpentane
Concen: 9.678 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.02 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

Tgt Ion: 57 Resp: 4245724
Ion Ratio Lower Upper
57 100
41 26.7 21.2 31.8
56 32.2 25.8 38.8

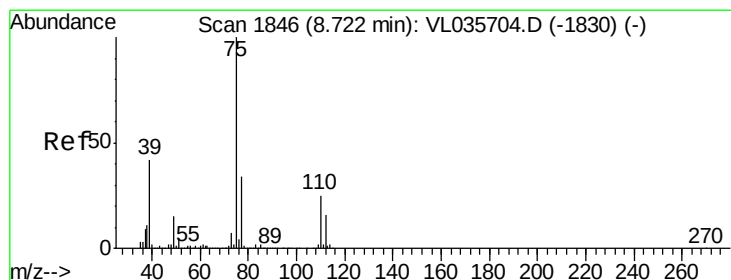
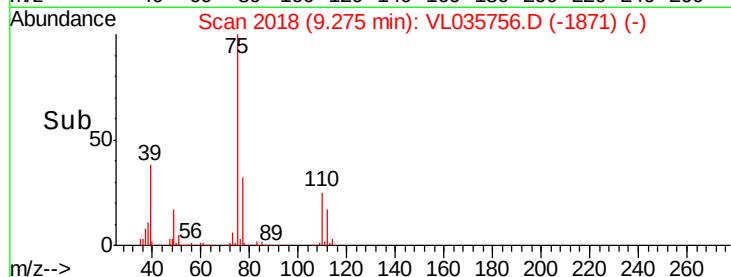
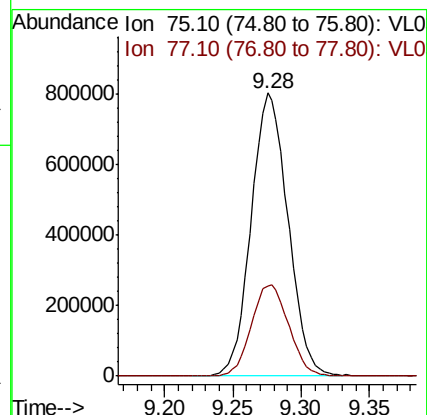
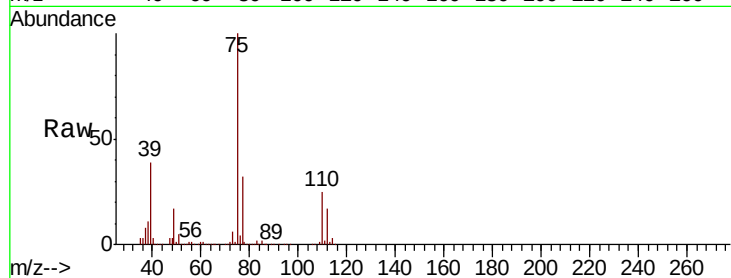




#45
t-1,3-Dichloropropene
Concen: 12.259 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. -0.03 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

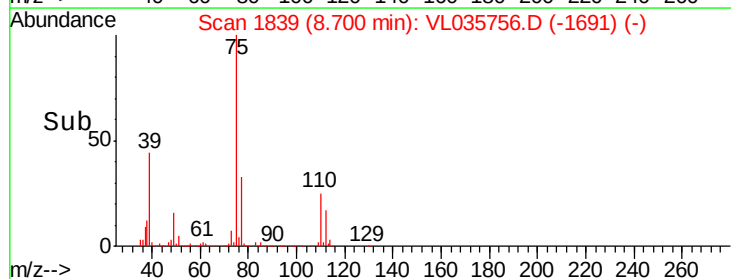
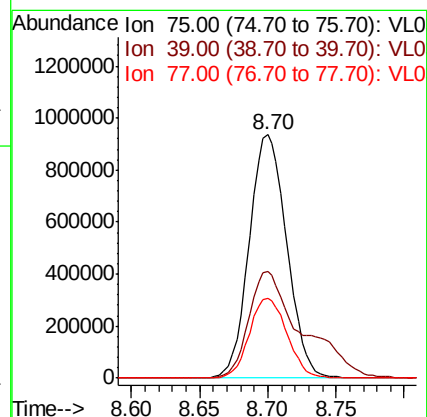
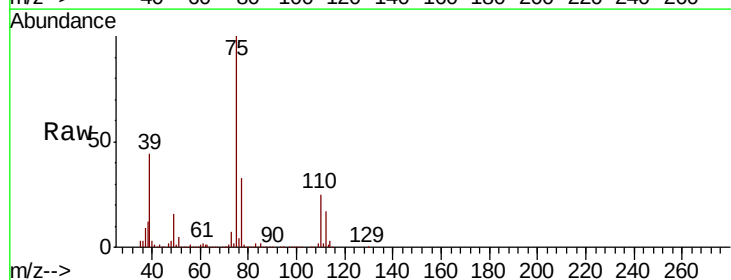
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

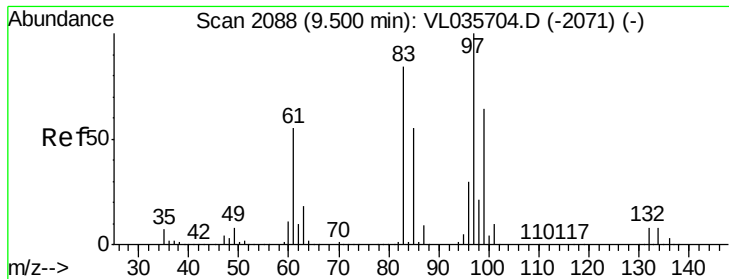
Tot Ion: 75 Resp: 1504817
Ion Ratio Lower Upper
75 100
77 32.0 25.9 38.9



#46
cis-1,3-Dichloropropene
Concen: 11.788 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.02 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

Tgt Ion: 75 Resp: 1783729
Ion Ratio Lower Upper
75 100
39 43.9 33.9 50.9
77 33.0 27.4 41.0



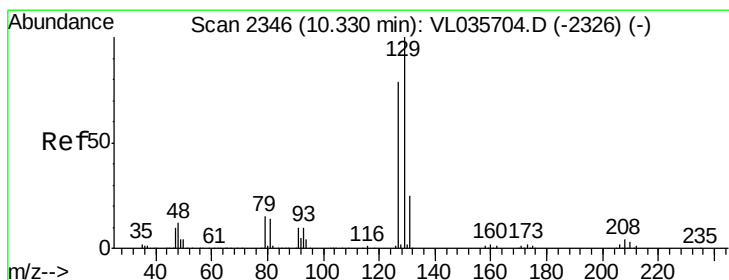
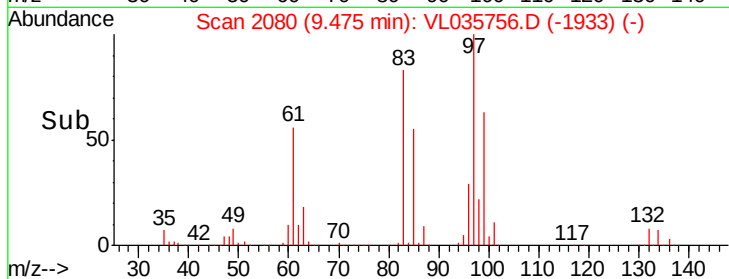
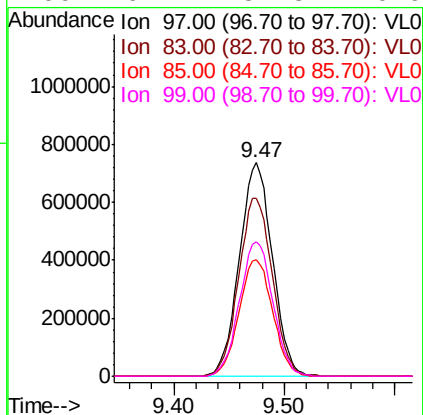
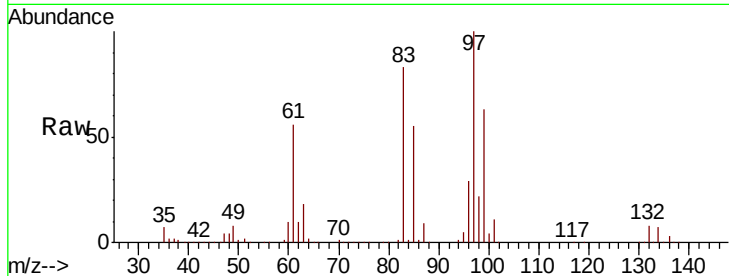


#47
 1,1,2-Trichloroethane
 Concen: 9.639 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.03 min
 Lab File: VL035756.D
 Acq: 12 Oct 2020 9:45

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1529821

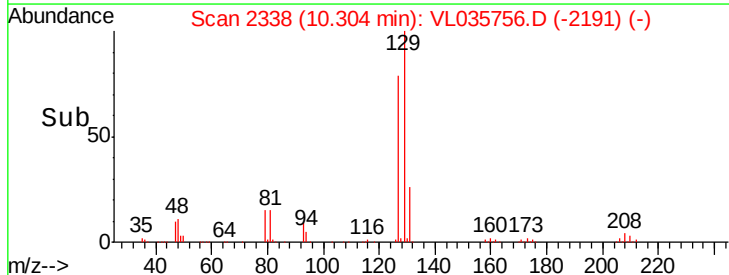
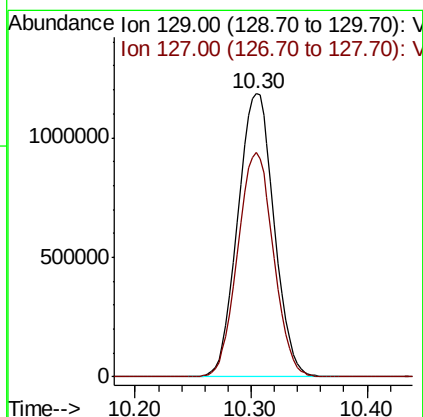
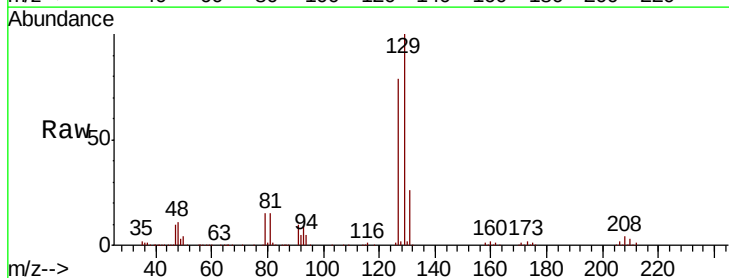
Ion	Ratio	Lower	Upper
97	100		
83	83.5	67.1	100.7
85	54.5	43.9	65.9
99	62.7	51.3	76.9

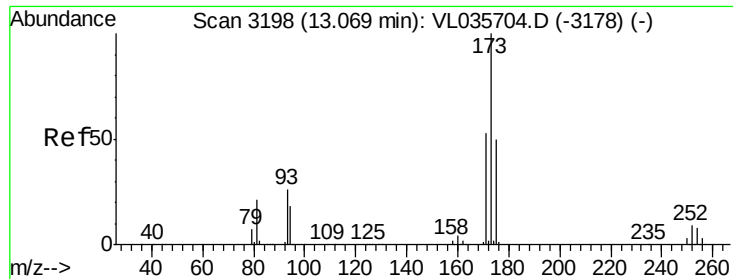


#48
 Dibromochloromethane
 Concen: 10.652 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.03 min
 Lab File: VL035756.D
 Acq: 12 Oct 2020 9:45

Tgt Ion: 129 Resp: 2573035

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.1





#49

Bromoform

Concen: 11.167 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

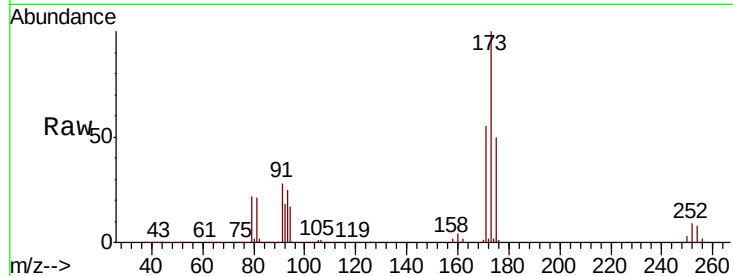
Tot Ion:173 Resp: 2288682

Ion Ratio Lower Upper

173 100

175 50.1 39.8 59.6

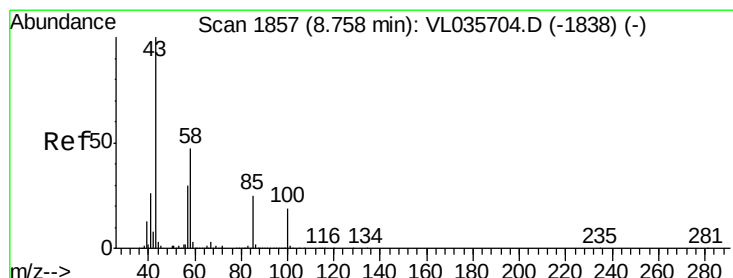
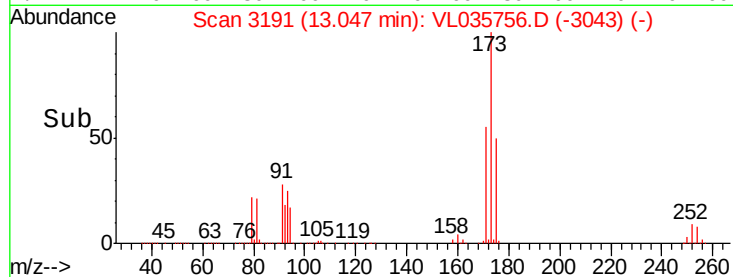
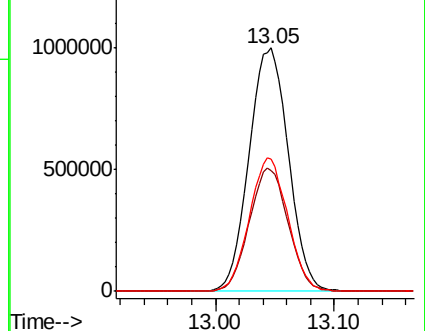
171 53.3 42.8 64.2



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: 10.192 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. -0.02 min

Lab File: VL035756.D

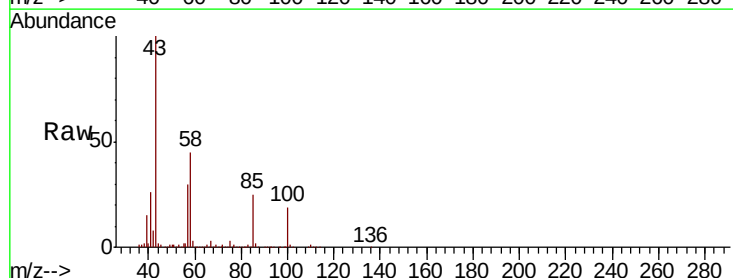
Acq: 12 Oct 2020 9:45

Tgt Ion: 43 Resp: 2310130

Ion Ratio Lower Upper

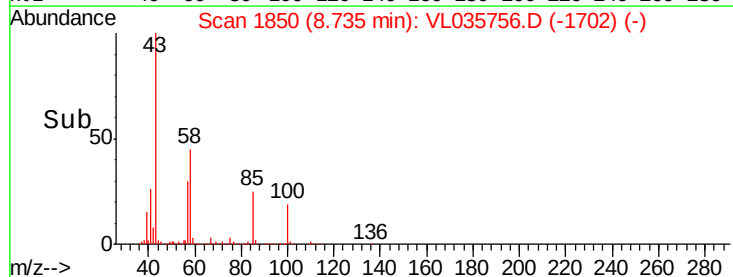
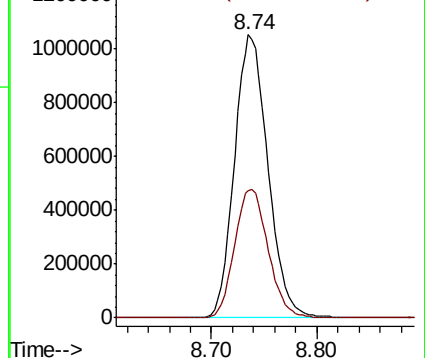
43 100

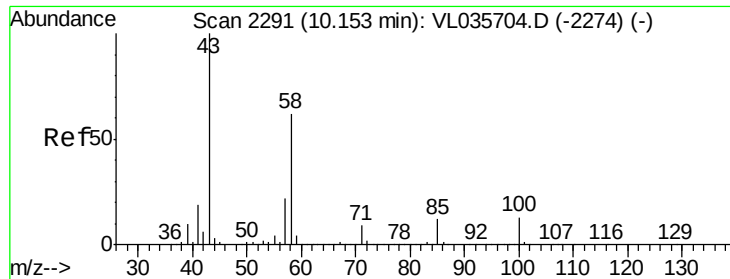
58 45.7 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

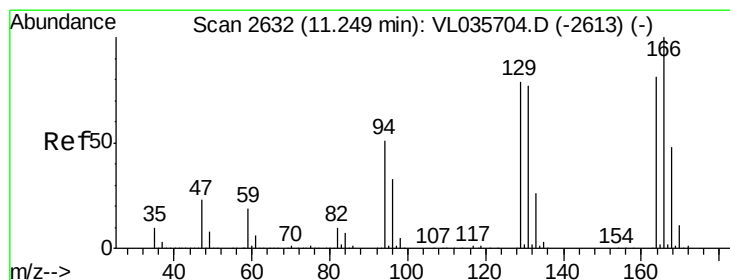
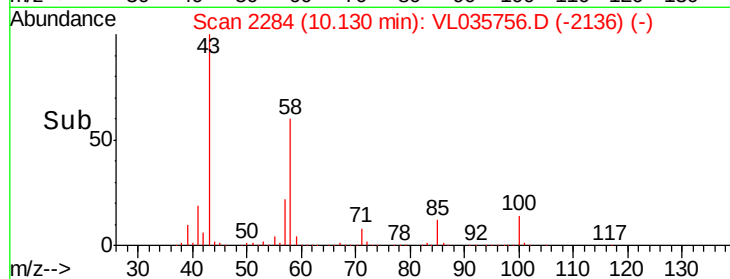
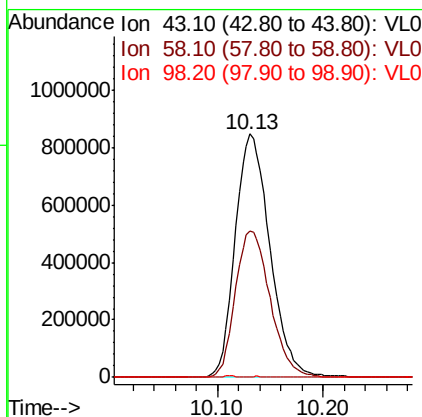
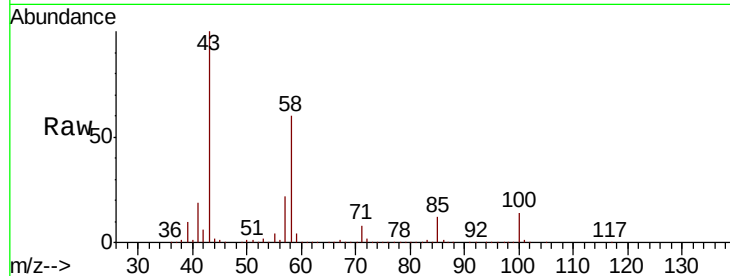




#51
2-Hexanone
Concen: 10.621 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.02 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

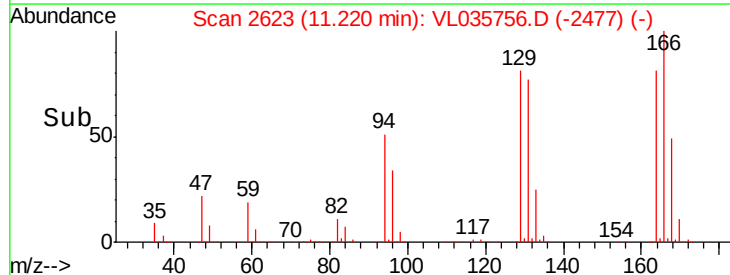
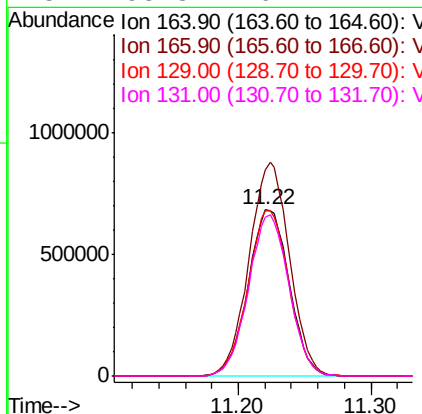
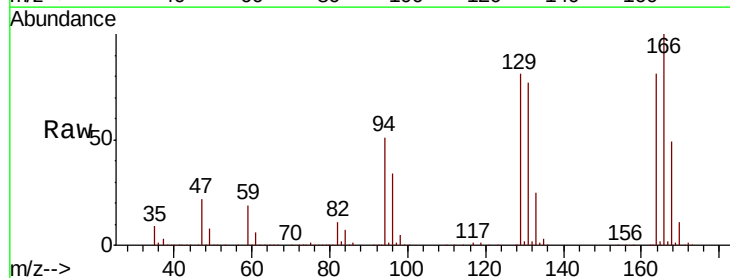
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

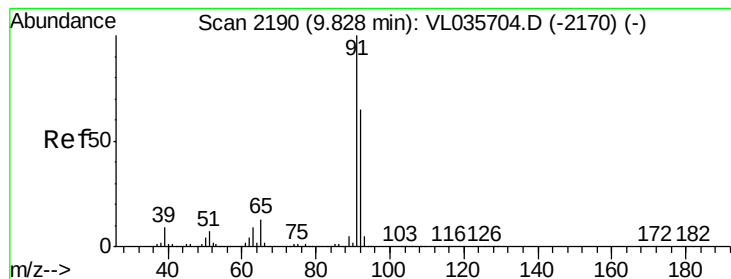
Tot Ion: 43 Resp: 1939594
Ion Ratio Lower Upper
43 100
58 60.7 48.7 73.1
98 0.7 0.7 1.1#



#52
Tetrachloroethene
Concen: 10.017 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.03 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

Tgt Ion:164 Resp: 1472615
Ion Ratio Lower Upper
164 100
166 123.8 98.7 148.1
129 99.7 78.4 117.6
131 95.3 76.2 114.2





#53

Toluene

Concen: 10.875 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

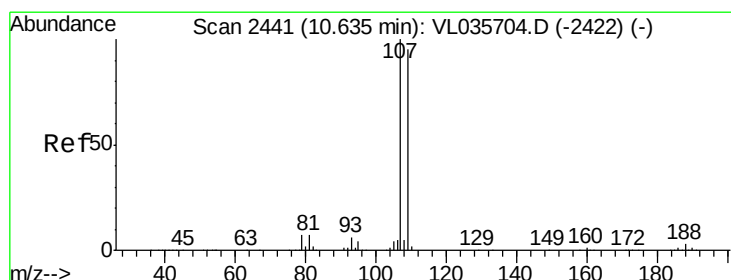
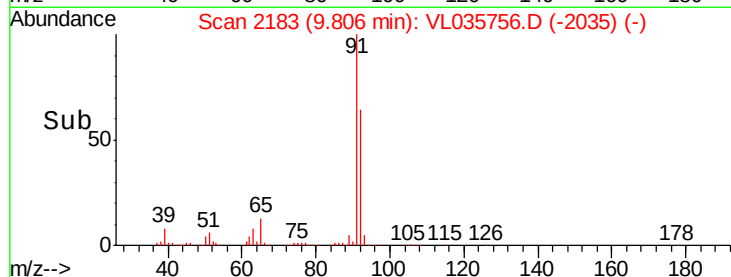
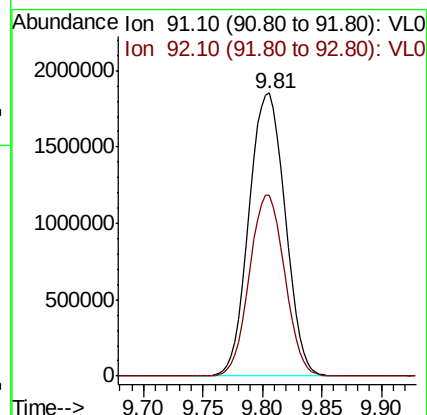
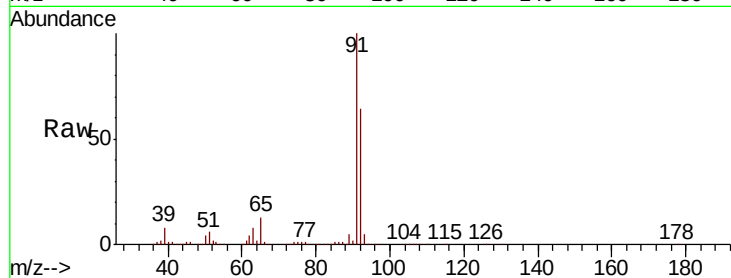
VSTDCCC010

Tot Ion: 91 Resp: 3920420

Ion Ratio Lower Upper

91 100

92 62.4 50.0 75.0



#54

1,2-Dibromoethane

Concen: 10.028 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.03 min

Lab File: VL035756.D

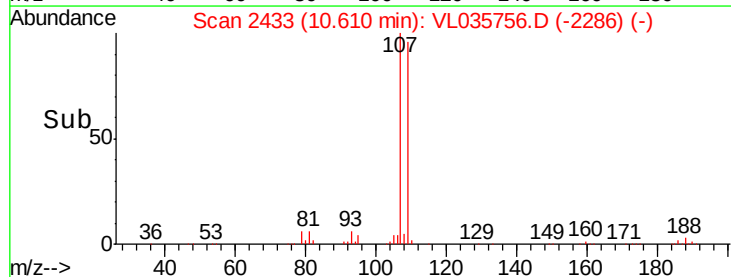
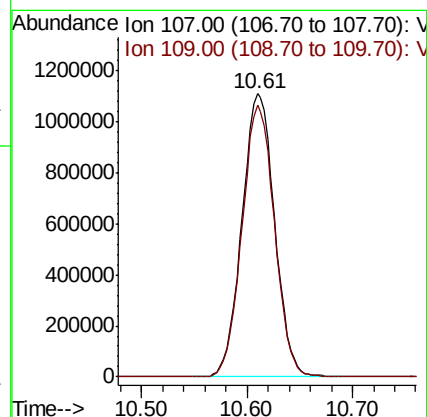
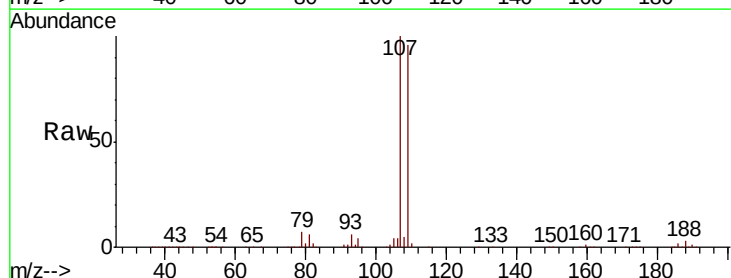
Acq: 12 Oct 2020 9:45

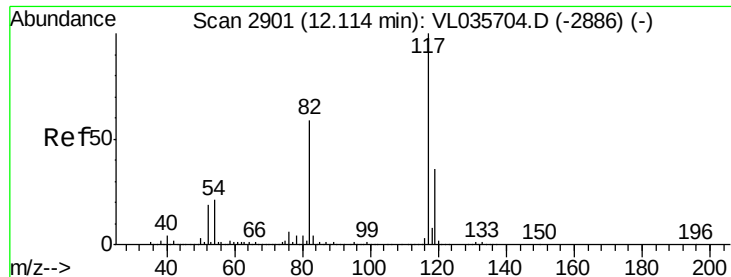
Tgt Ion: 107 Resp: 2383202

Ion Ratio Lower Upper

107 100

109 96.2 76.0 114.0

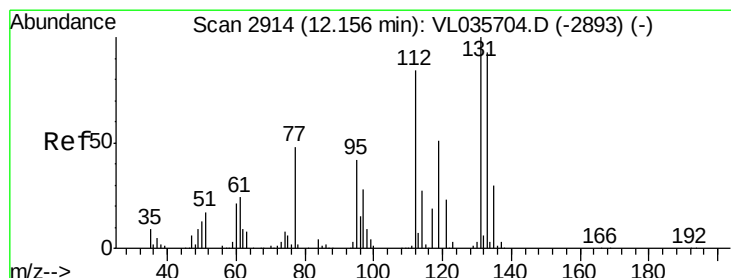
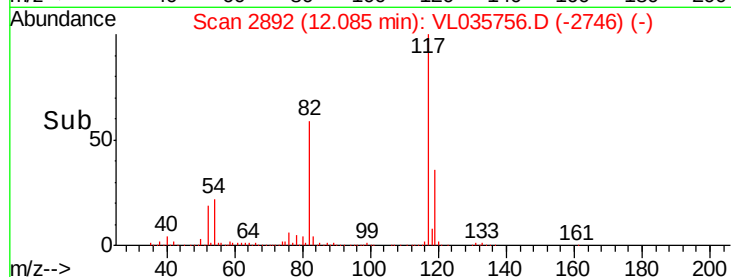
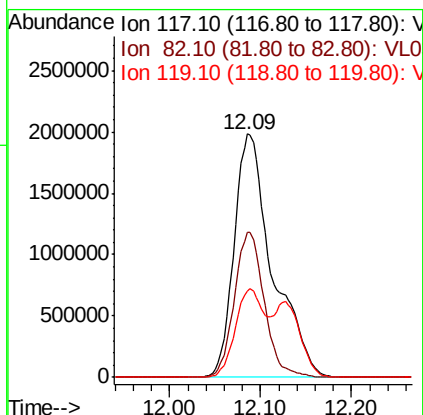
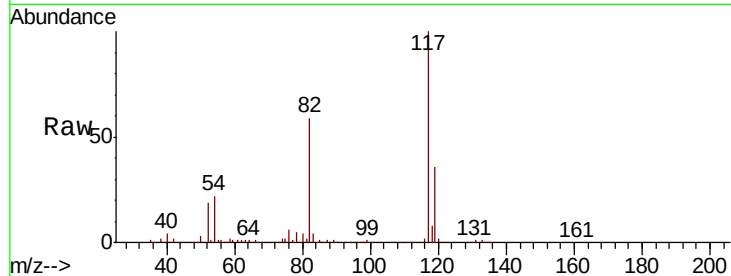




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

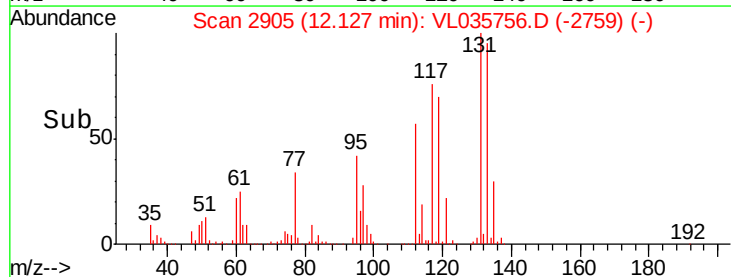
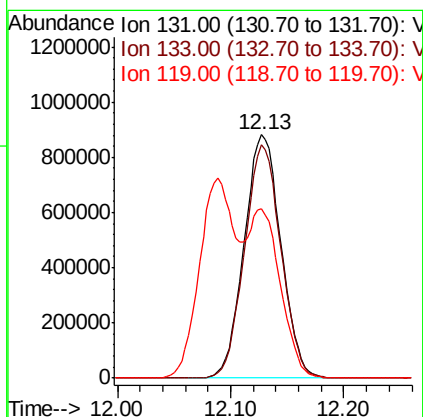
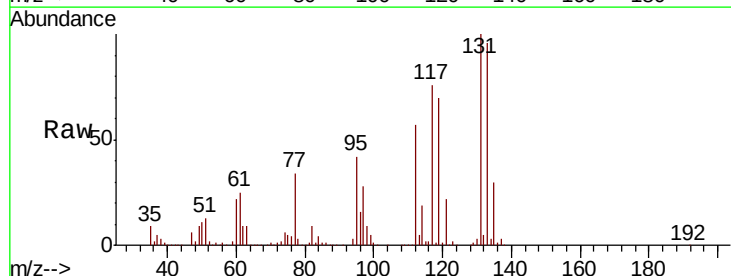
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

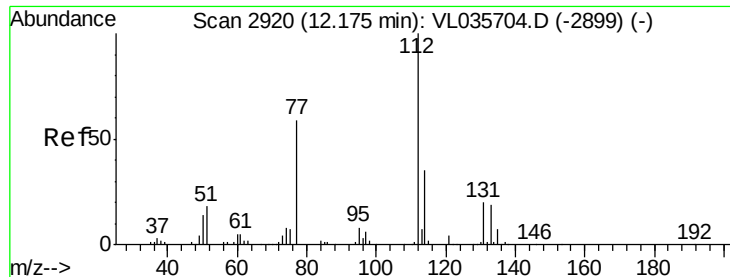
Tot Ion:117 Resp: 5807564
Ion Ratio Lower Upper
117 100
82 46.6 46.1 69.1
119 26.9 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.166 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.03 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

Tgt Ion:131 Resp: 1988573
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.4
119 61.0 52.4 78.6

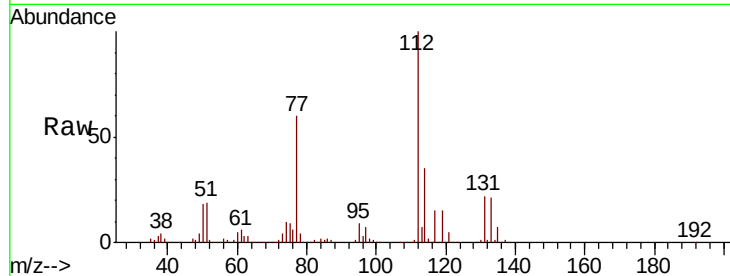




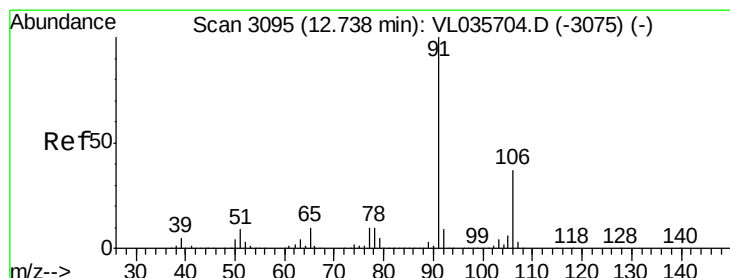
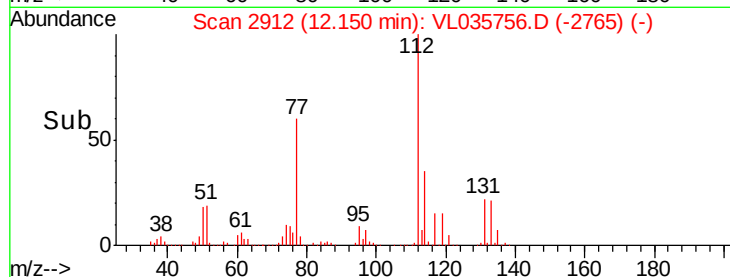
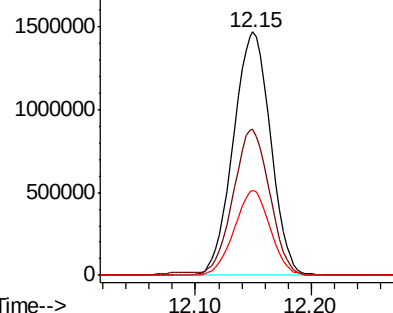
#57
Chlorobenzene
Concen: 7.483 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.03 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 3282347
Ion Ratio Lower Upper
112 100
77 60.1 48.2 72.2
114 35.1 31.9 39.1

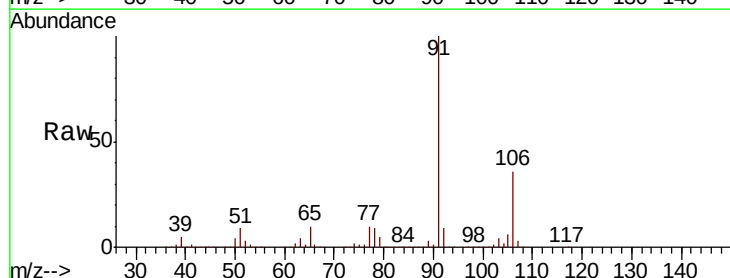


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

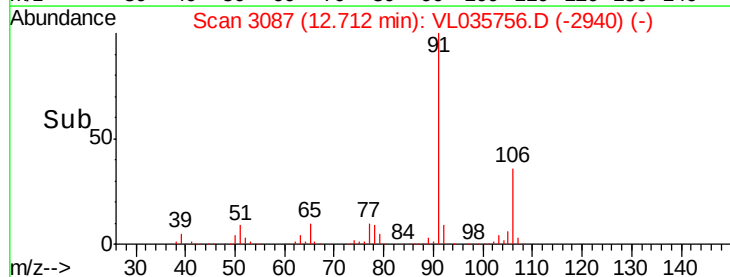
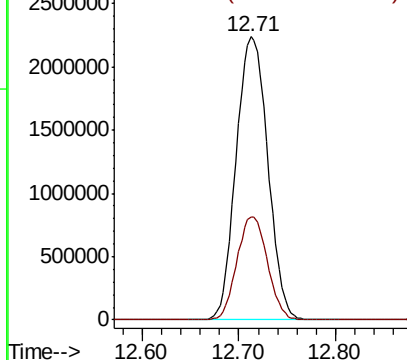


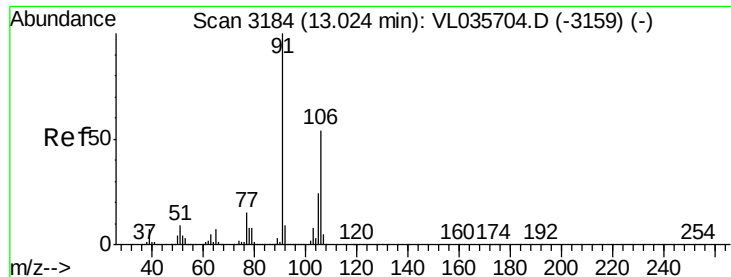
#58
Ethyl Benzene
Concen: 8.739 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.03 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

Tgt Ion: 91 Resp: 5094197
Ion Ratio Lower Upper
91 100
106 36.4 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: 8.910 ppbv

RT: 13.00 min Scan# 3176

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

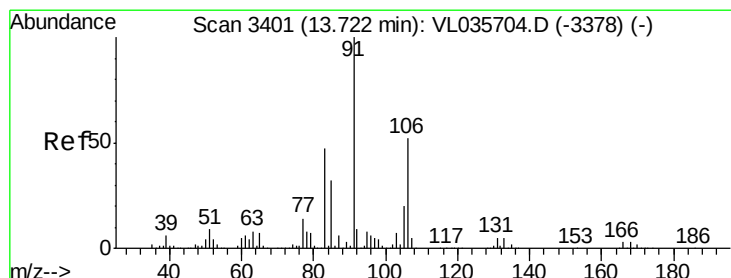
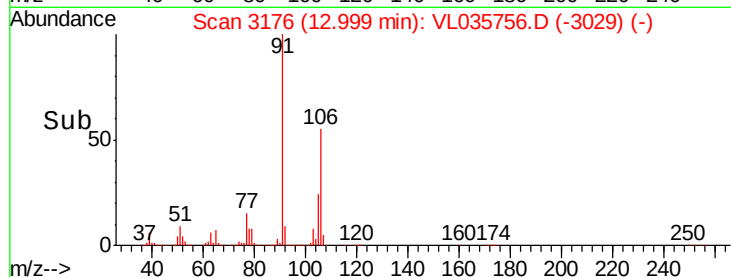
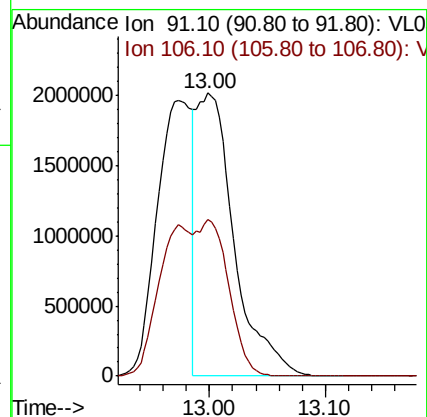
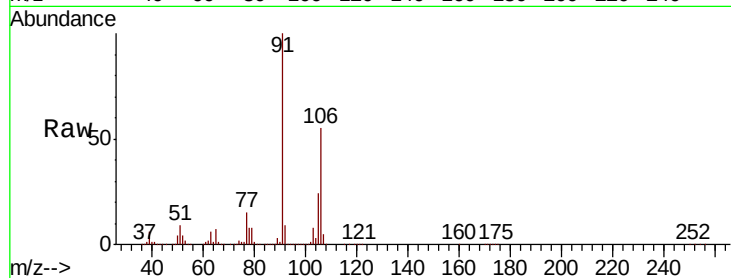
VSTDCCC010

Tot Ion: 91 Resp: 4535442

Ion Ratio Lower Upper

91 100

106 95.4 41.4 62.0#



#60

o-Xylene

Concen: 8.225 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.03 min

Lab File: VL035756.D

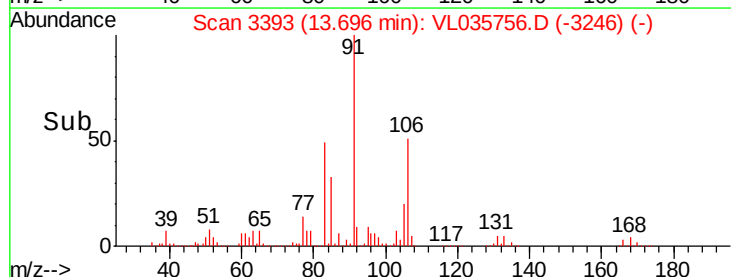
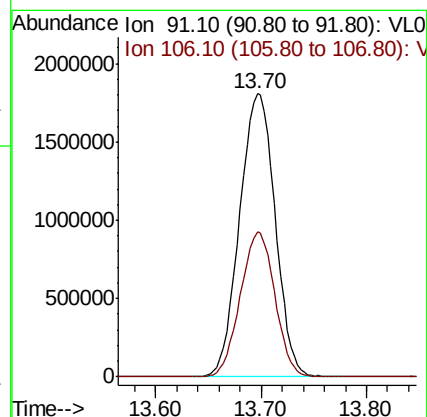
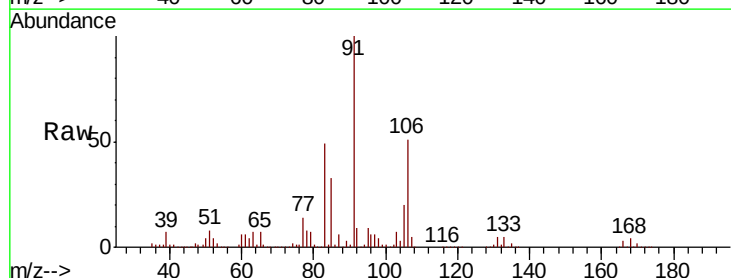
Acq: 12 Oct 2020 9:45

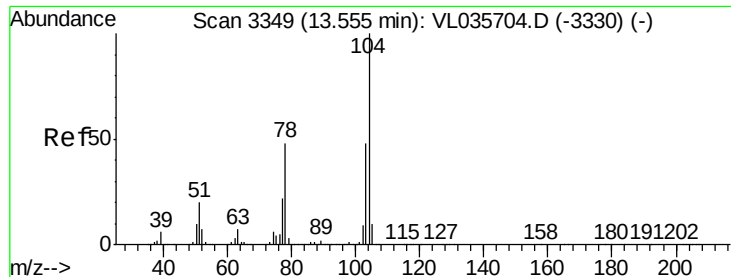
Tgt Ion: 91 Resp: 4235415

Ion Ratio Lower Upper

91 100

106 49.8 25.0 75.0

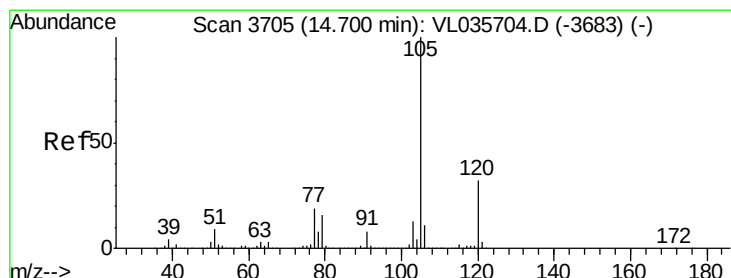
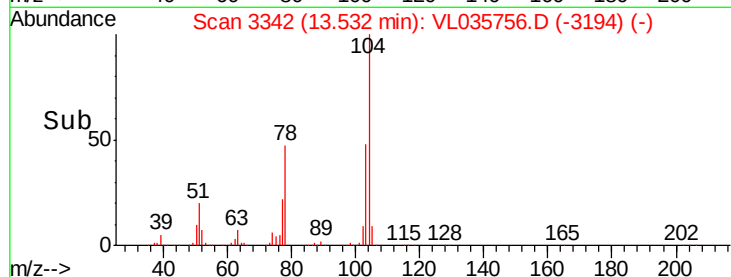
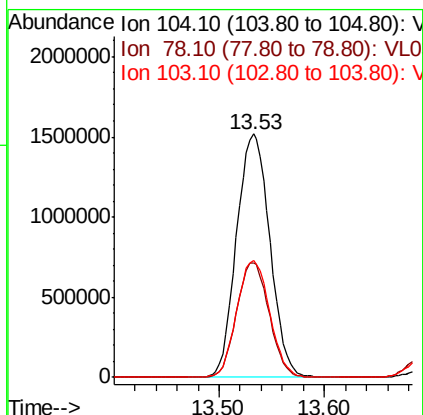
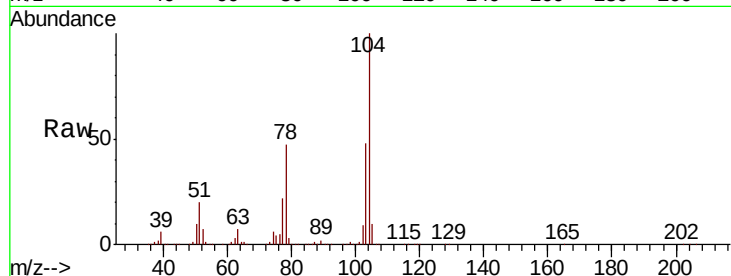




#61
Stvrene
Concen: 9.363 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.02 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

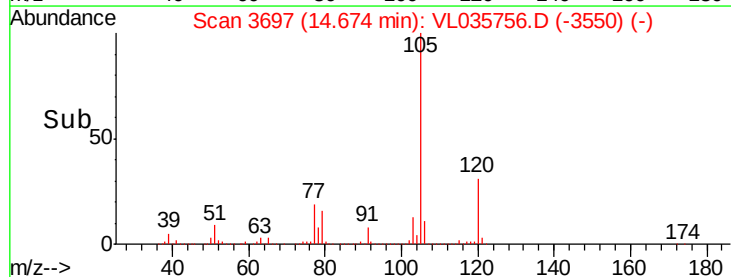
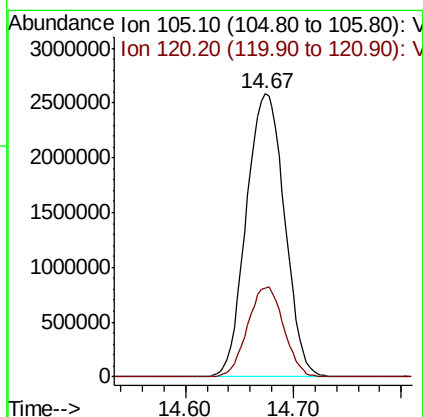
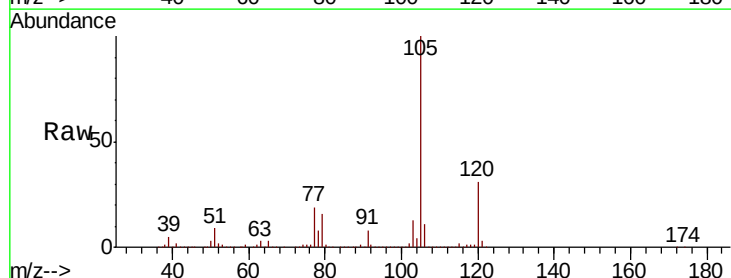
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

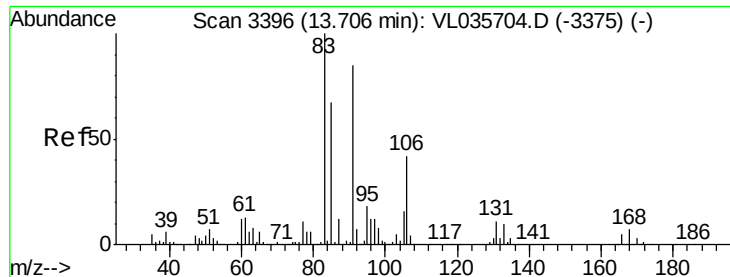
Tot Ion:104 Resp: 3333714
Ion Ratio Lower Upper
104 100
78 46.1 37.2 55.8
103 47.5 38.2 57.2



#62
Isopropylbenzene
Concen: 7.981 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. -0.03 min
Lab File: VL035756.D
Acq: 12 Oct 2020 9:45

Tgt Ion:105 Resp: 6374310
Ion Ratio Lower Upper
105 100
120 29.9 24.1 36.1

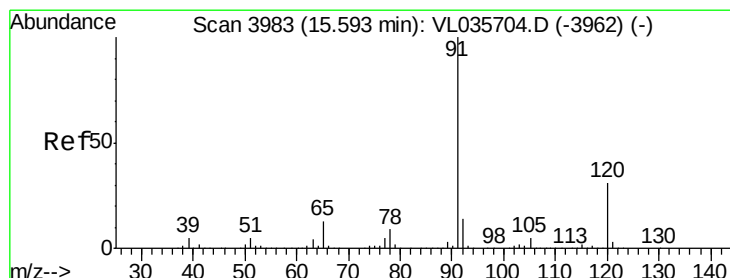
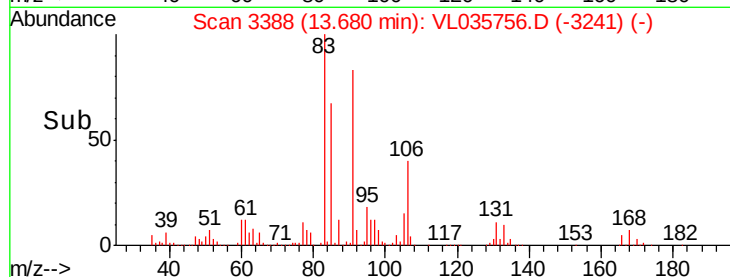
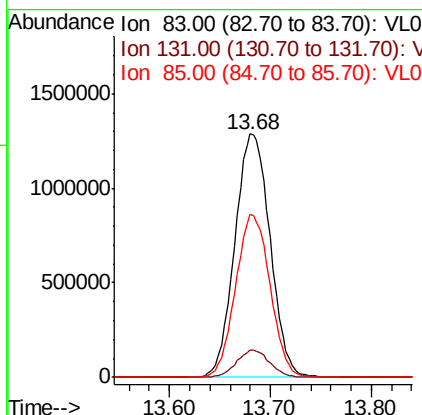
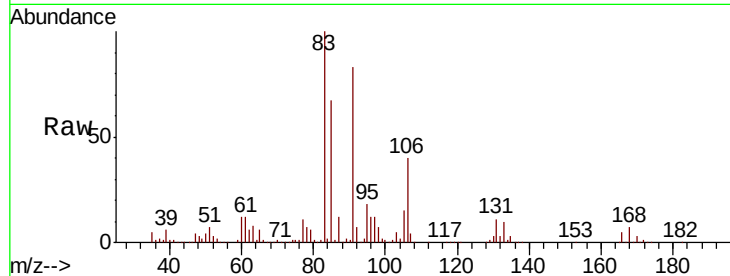




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.375 ppbv
 RT: 13.68 min Scan# 3388
 Delta R.T. -0.03 min
 Lab File: VL035756.D
 Acq: 12 Oct 2020 9:45

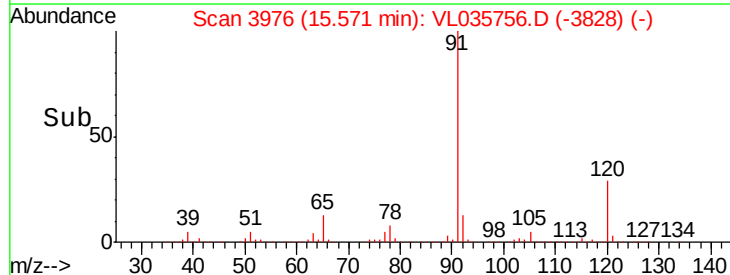
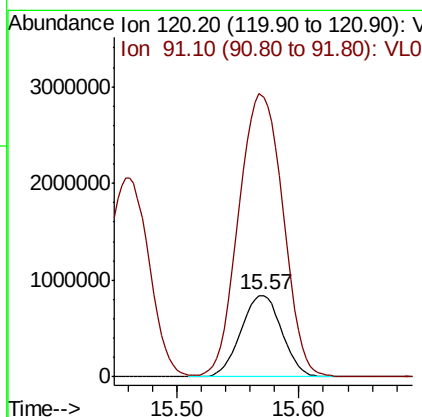
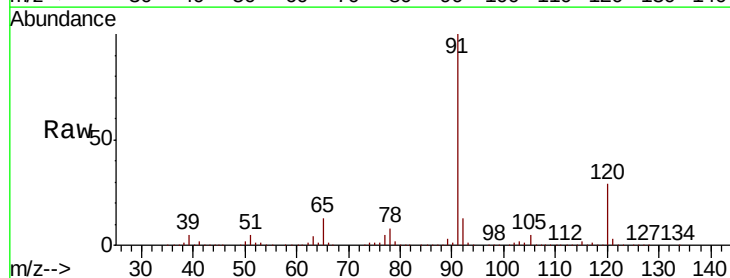
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

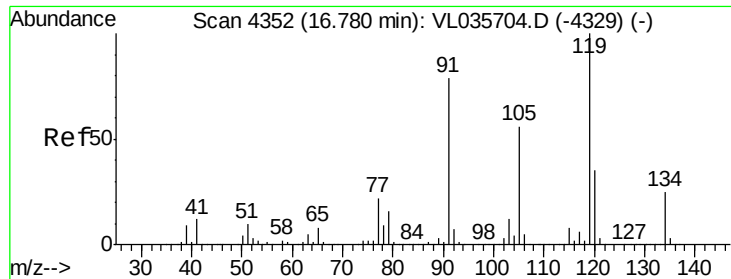
Tot Ion: 83 Resp: 3113933
 Ion Ratio Lower Upper
 83 100
 131 10.6 5.3 16.1
 85 65.8 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.341 ppbv
 RT: 15.57 min Scan# 3976
 Delta R.T. -0.02 min
 Lab File: VL035756.D
 Acq: 12 Oct 2020 9:45

Tgt Ion: 120 Resp: 1949772
 Ion Ratio Lower Upper
 120 100
 91 378.9 300.4 450.6





#65

tert-Butylbenzene

Concen: 8.076 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

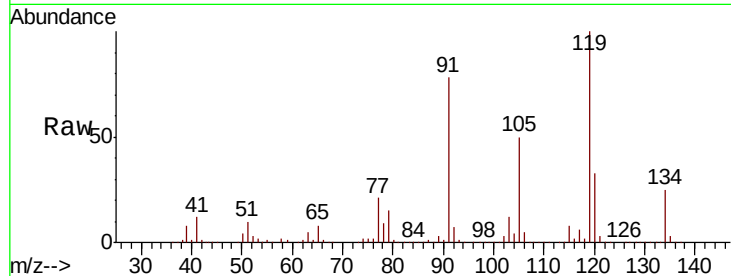
Tot Ion:119 Resp: 5864711

Ion Ratio Lower Upper

119 100

91 77.4 62.4 93.6

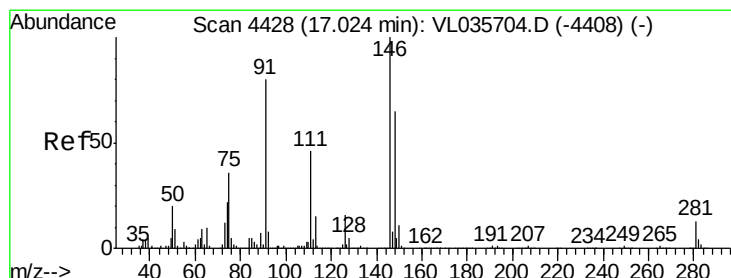
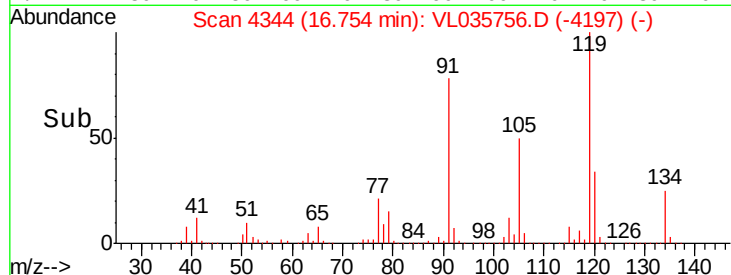
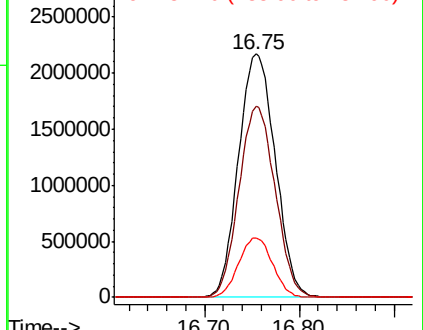
134 22.7 18.2 27.2



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: 9.815 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

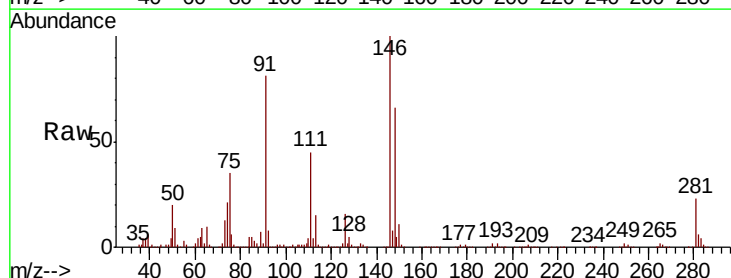
Tgt Ion: 91 Resp: 2159324

Ion Ratio Lower Upper

91 100

126 19.6 15.3 22.9

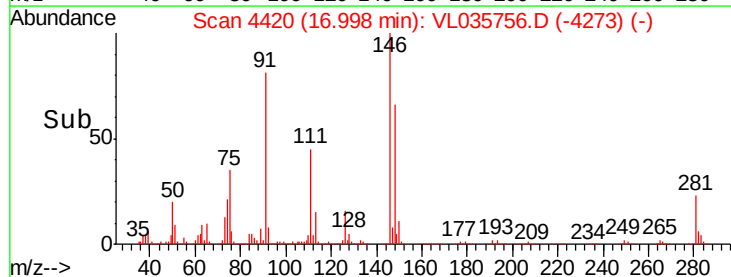
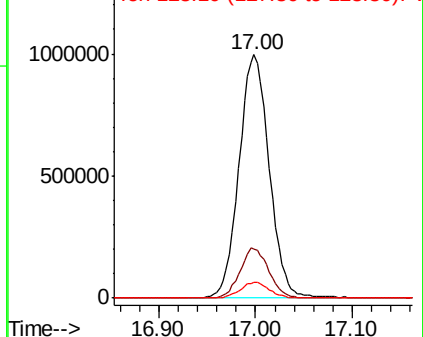
128 6.2 5.0 7.4

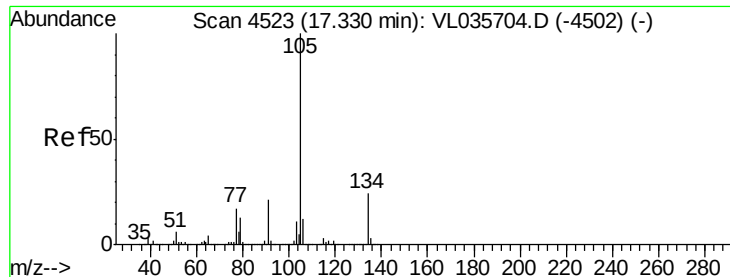


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.809 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

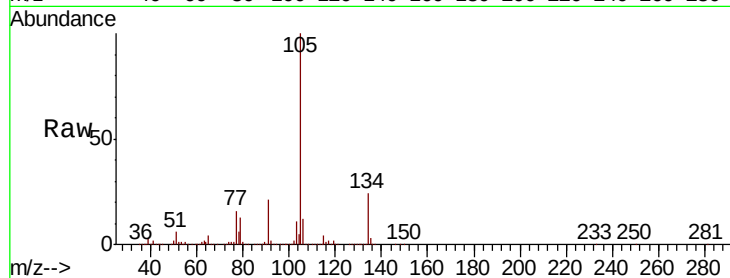
VSTDCCC010

Tot Ion:105 Resp: 7830546

Ion Ratio Lower Upper

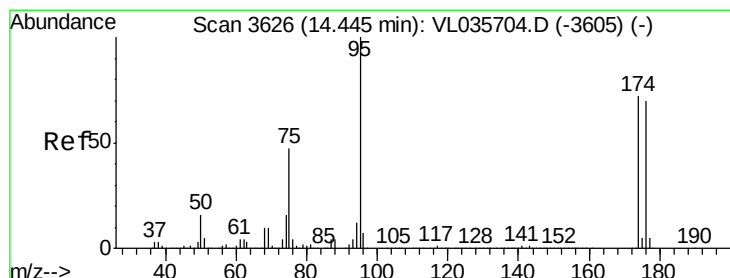
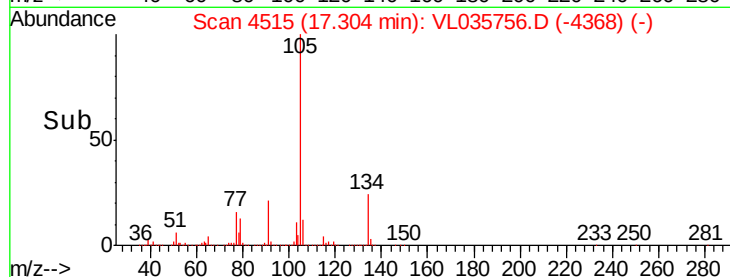
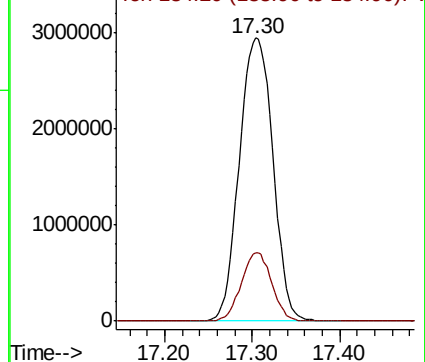
105 100

134 21.9 17.6 26.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.931 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

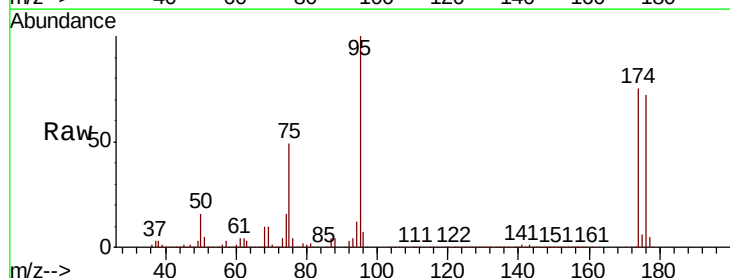
Tgt Ion: 95 Resp: 3451347

Ion Ratio Lower Upper

95 100

174 75.6 59.6 89.4

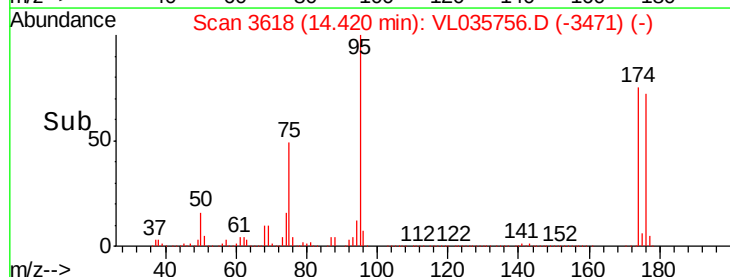
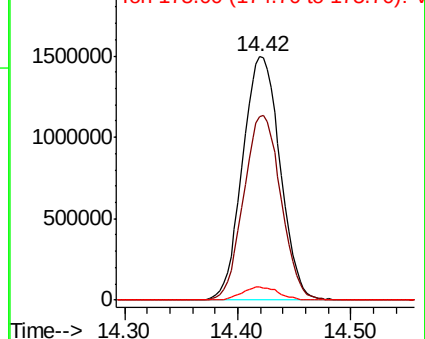
175 5.4 4.2 6.4

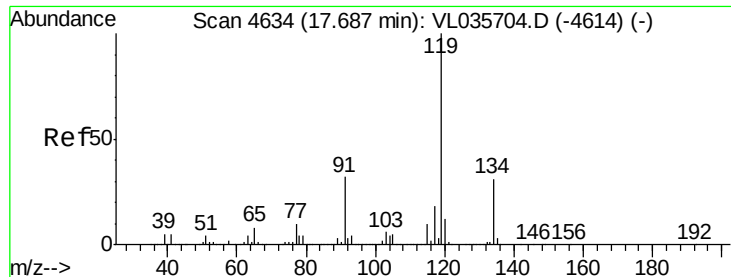


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

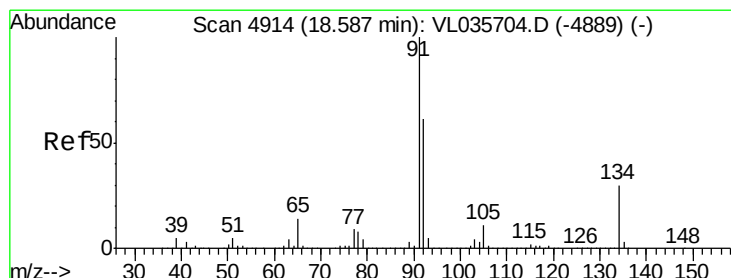
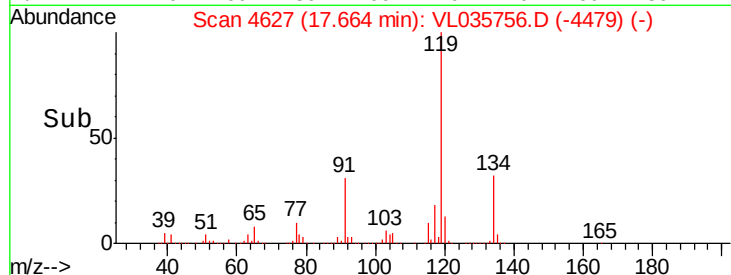
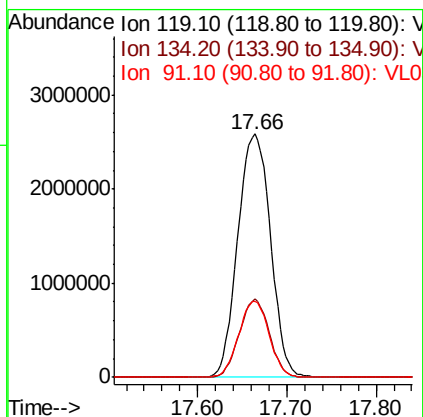
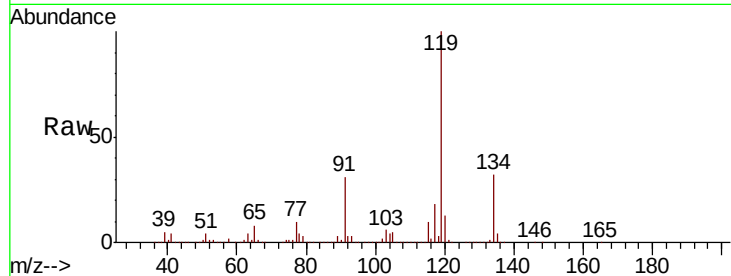




#69
 p-Isopropyltoluene
 Concen: 8.085 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. -0.02 min
 Lab File: VL035756.D
 Acq: 12 Oct 2020 9:45

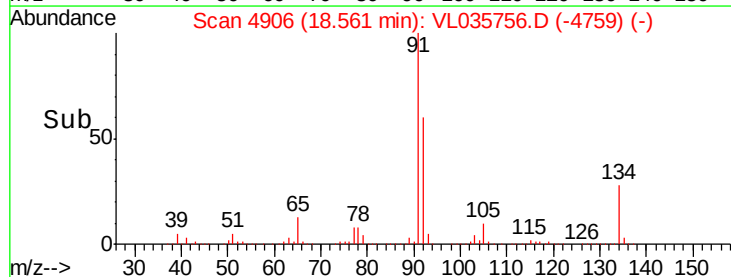
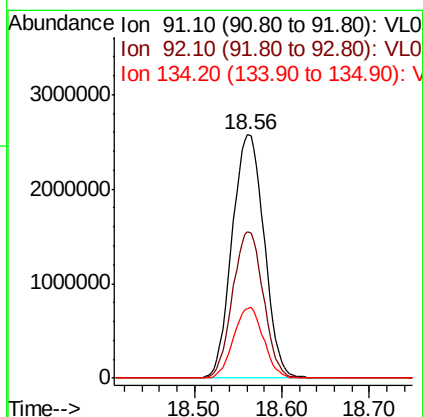
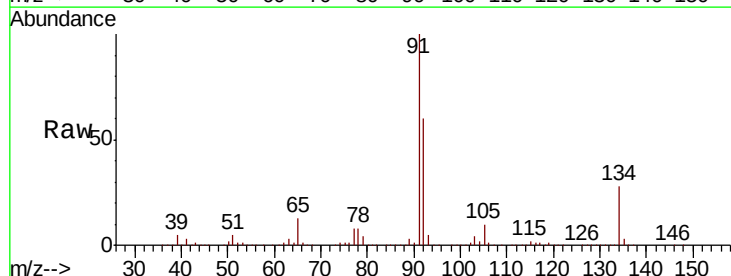
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

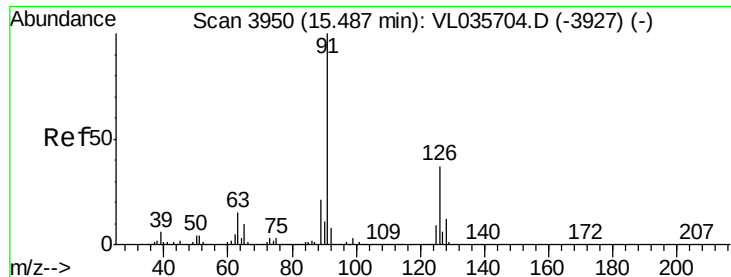
Tot Ion:119 Resp: 6595995
 Ion Ratio Lower Upper
 119 100
 134 29.6 23.9 35.9
 91 29.2 23.8 35.6



#70
 n-Butylbenzene
 Concen: 7.783 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. -0.03 min
 Lab File: VL035756.D
 Acq: 12 Oct 2020 9:45

Tgt Ion: 91 Resp: 6539019
 Ion Ratio Lower Upper
 91 100
 92 58.0 47.0 70.4
 134 27.2 21.9 32.9





#71

2-Chlorotoluene

Concen: 8.403 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

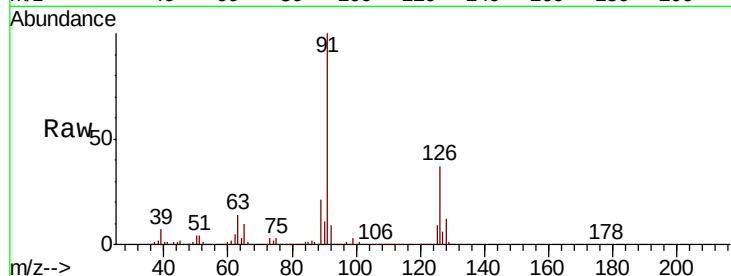
VSTDCCC010

Tot Ion: 91 Resp: 4895481

Ion Ratio Lower Upper

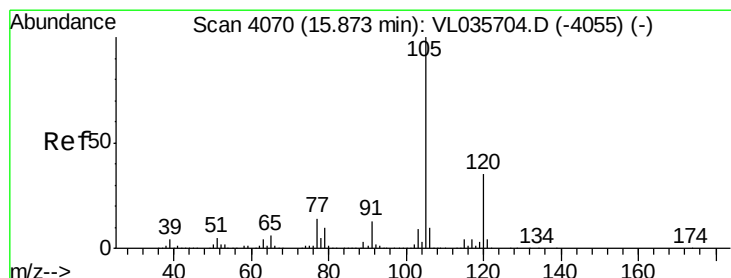
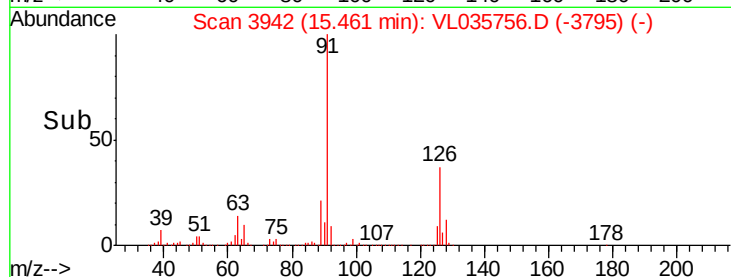
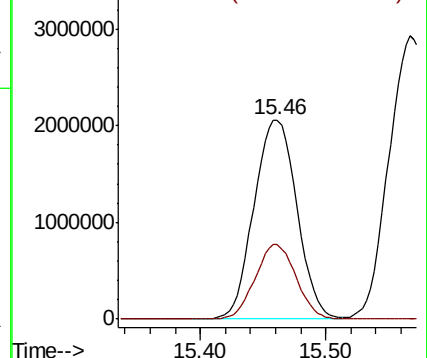
91 100

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: 8.481 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Tgt Ion:105 Resp: 5173221

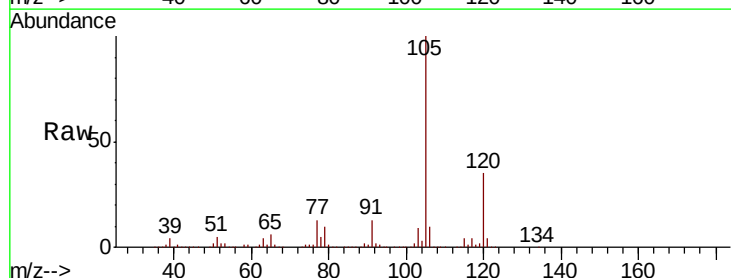
Ion Ratio Lower Upper

105 100

120 32.9 26.5 39.7

91 12.5 10.2 15.2

77 12.8 10.3 15.5

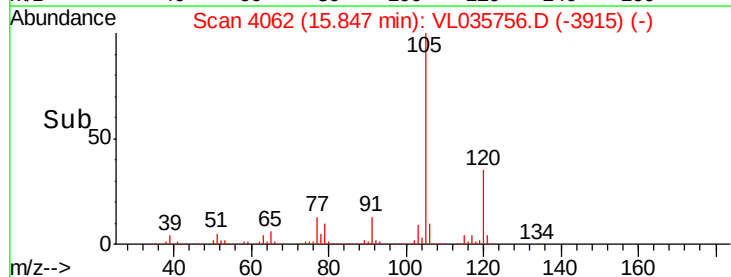
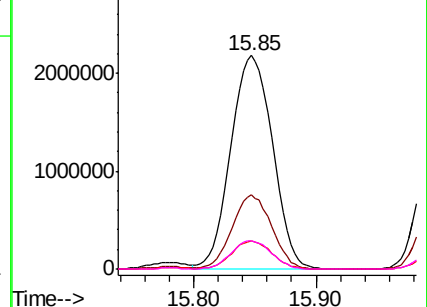


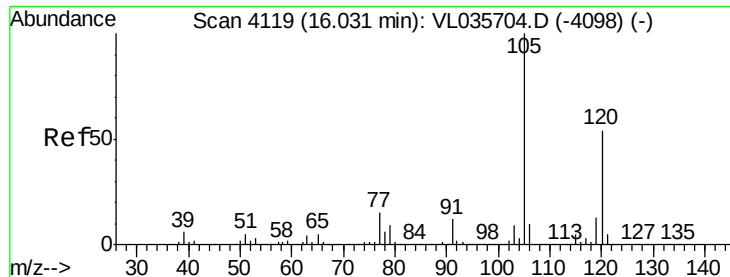
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.371 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

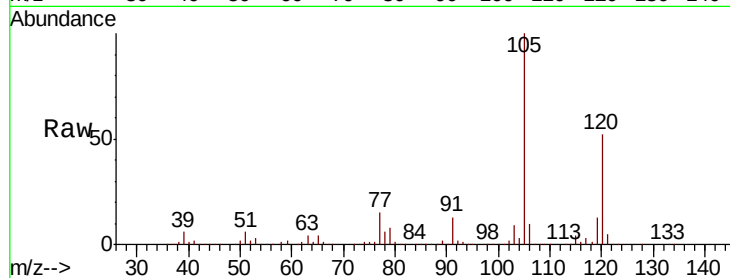
VSTDCCC010

Tot Ion:105 Resp: 4825659

Ion Ratio Lower Upper

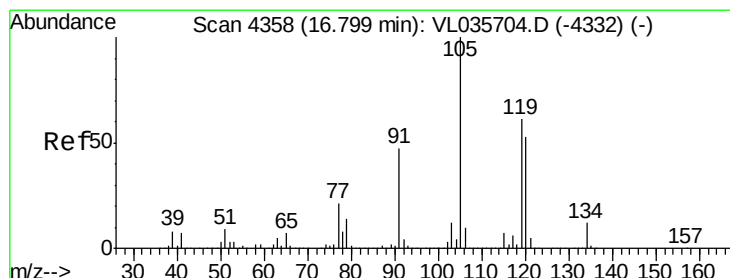
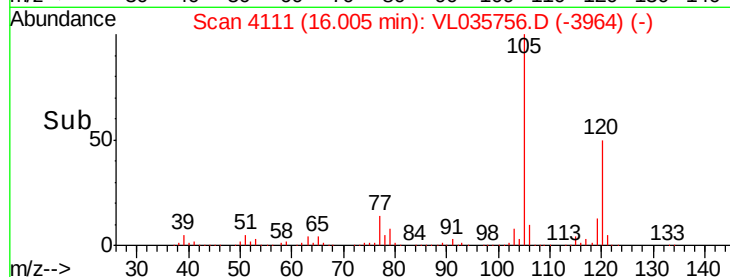
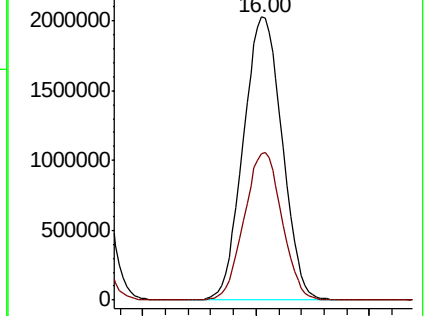
105 100

120 51.9 43.0 64.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.656 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Tgt Ion:105 Resp: 4975006

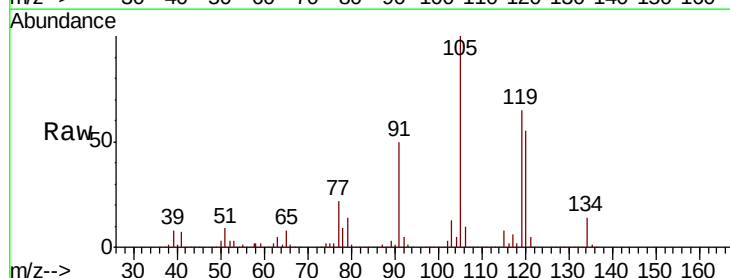
Ion Ratio Lower Upper

105 100

120 54.5 42.5 63.7

91 50.3 37.7 56.5

77 21.8 16.7 25.1

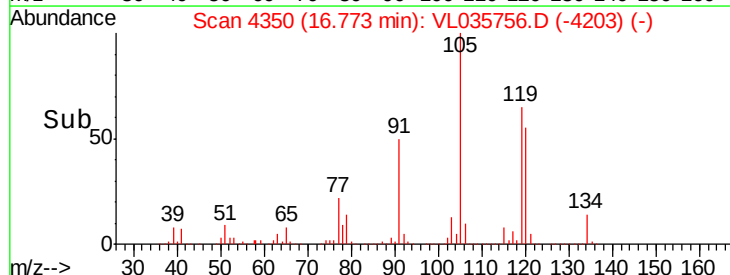
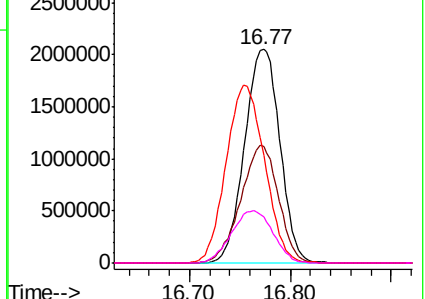


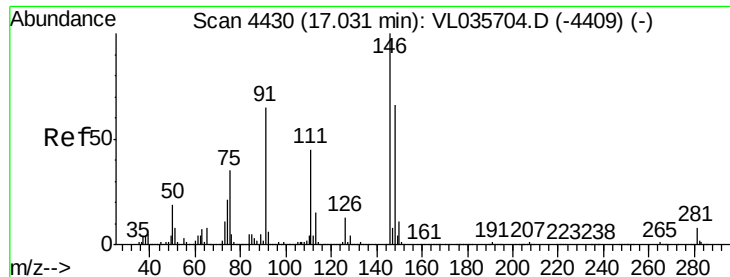
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.463 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

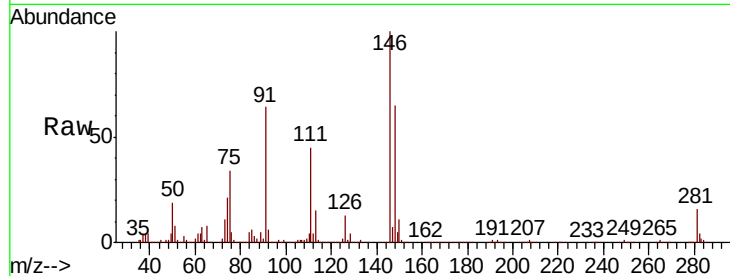
Tot Ion:146 Resp: 3311014

Ion Ratio Lower Upper

146 100

111 43.8 22.4 67.0

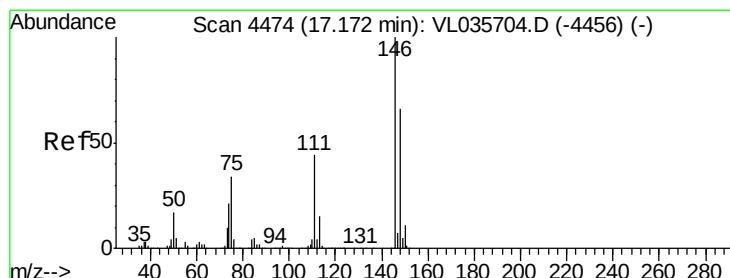
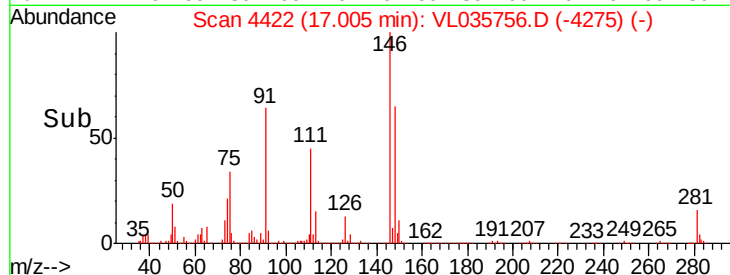
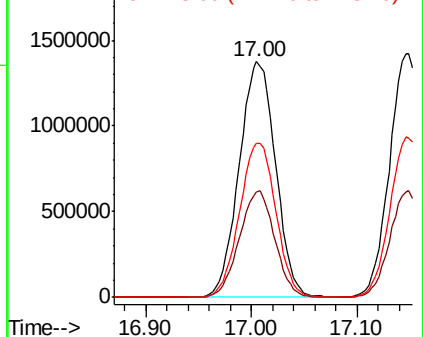
148 65.3 33.0 99.0



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: 7.813 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

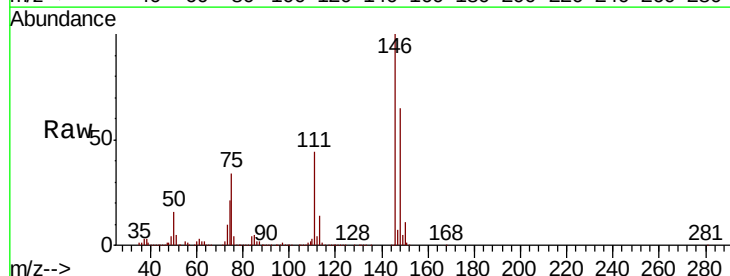
Tgt Ion:146 Resp: 3313436

Ion Ratio Lower Upper

146 100

111 42.6 21.4 64.3

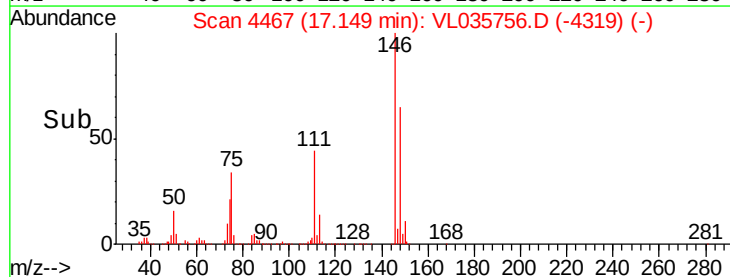
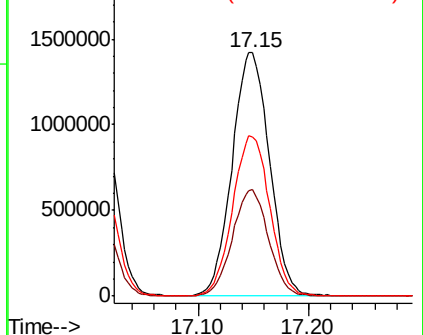
148 66.0 32.6 98.0

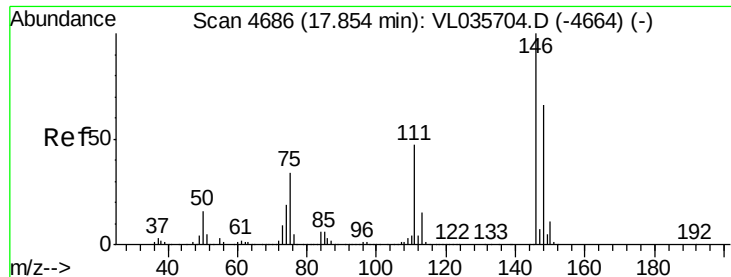


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.764 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

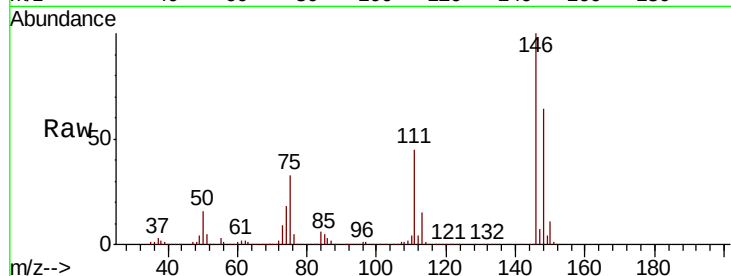
Tot Ion:146 Resp: 3253148

Ion Ratio Lower Upper

146 100

111 44.7 22.9 68.5

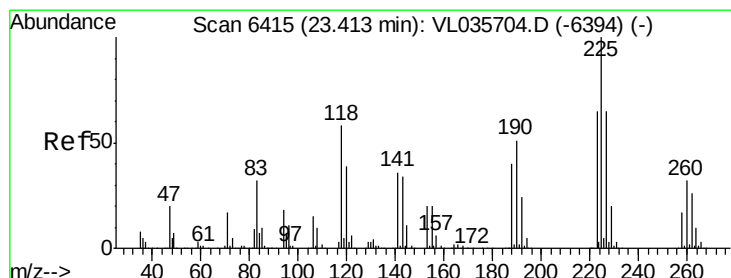
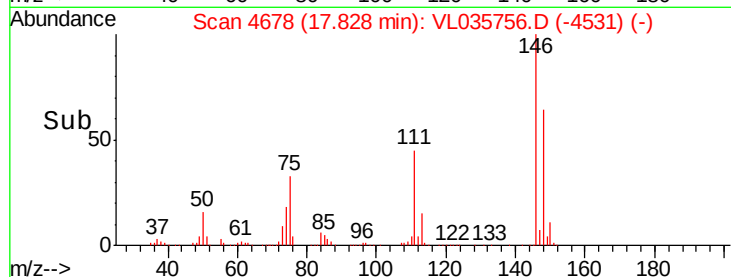
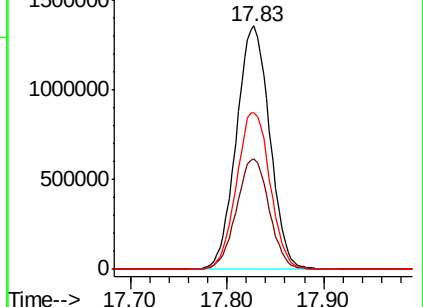
148 64.8 32.6 98.0



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: 7.618 ppbv

RT: 23.39 min Scan# 6408

Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

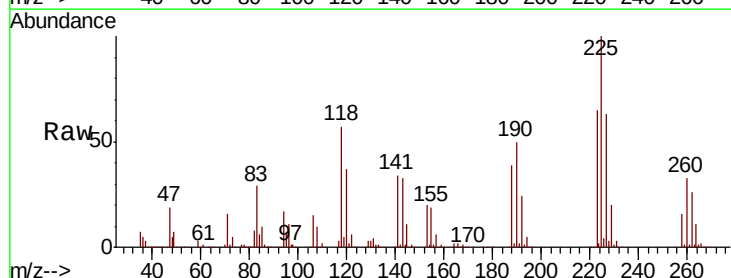
Tgt Ion:225 Resp: 1761176

Ion Ratio Lower Upper

225 100

223 64.1 51.3 76.9

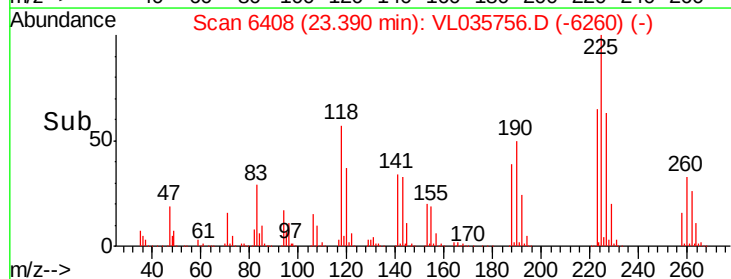
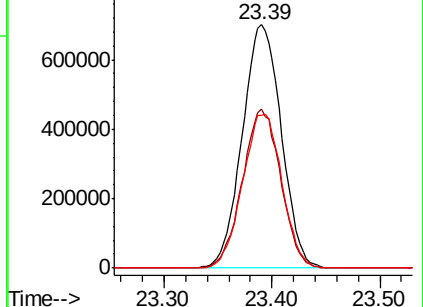
227 63.9 51.6 77.4

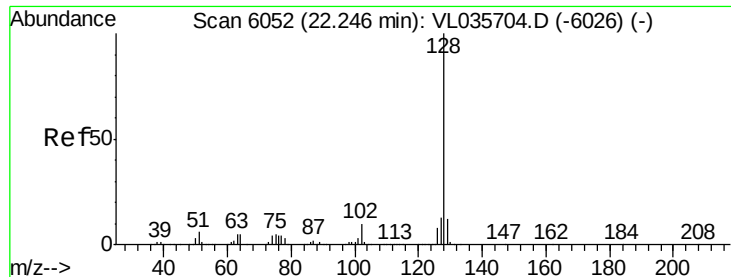


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.765 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

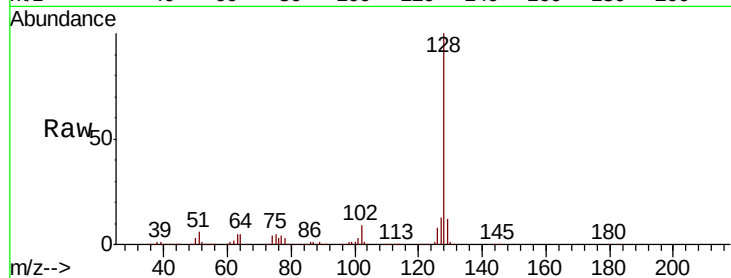
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 4812854

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	12.2	9.4	14.0

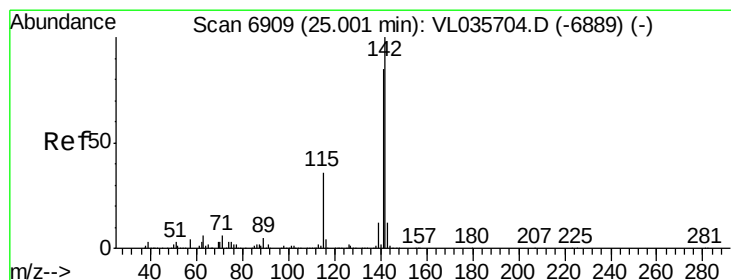
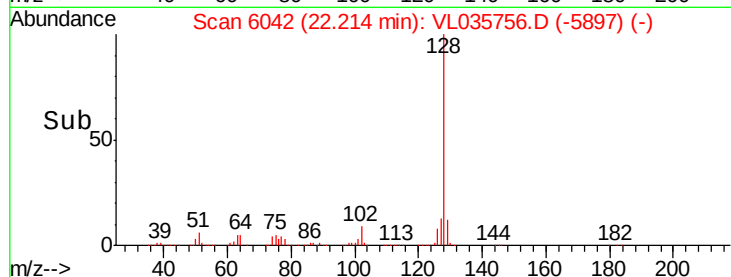
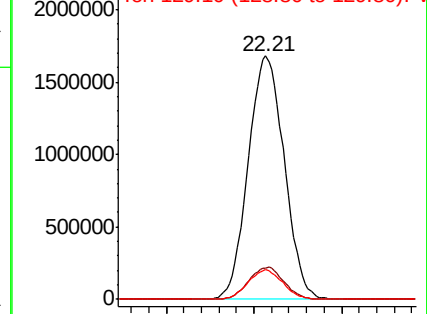


Abundance

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: 9.375 ppbv

RT: 24.99 min Scan# 6904

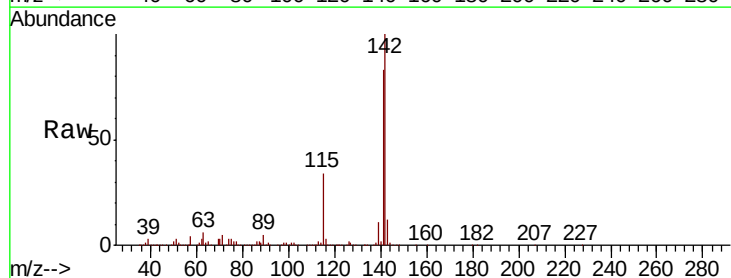
Delta R.T. -0.02 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Tgt Ion:142 Resp: 1370601

Ion	Ratio	Lower	Upper
142	100		
141	83.9	68.2	102.4
115	33.4	27.8	41.6

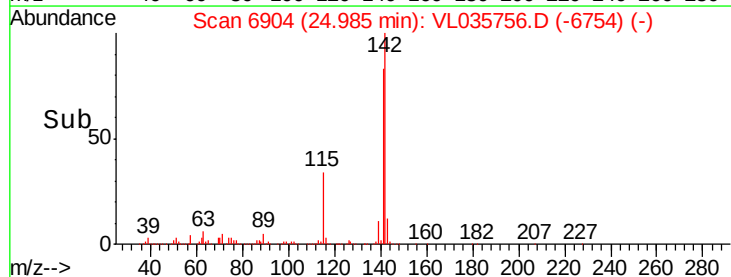
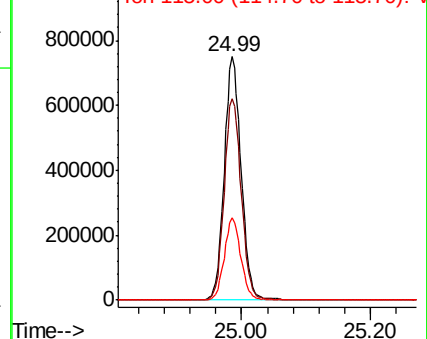


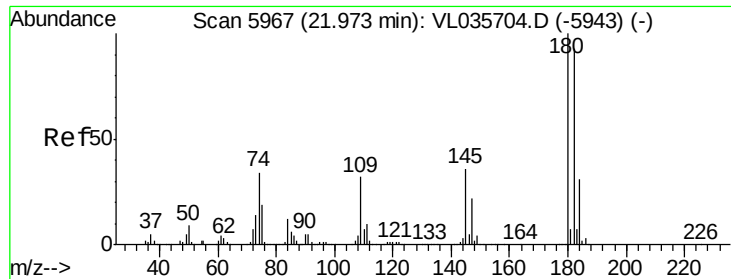
Abundance

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: 7.895 ppbv

RT: 21.95 min Scan# 5959

Delta R.T. -0.03 min

Lab File: VL035756.D

Acq: 12 Oct 2020 9:45

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

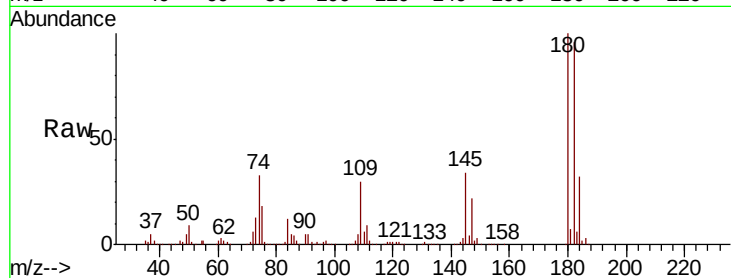
Tot Ion:180 Resp: 2535962

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.2

184 31.0 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

