

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036796.D
 Acq On : 13 Apr 2021 9:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 14 04:37:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1429901	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3706120	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3099253	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1997290	8.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	1958670	8.398	ppbv 97
3) Chlorodifluoromethane	2.98	51	2542298	9.516	ppbv 100
4) Chloromethane	3.13	50	896859	9.504	ppbv 97
5) Vinyl Chloride	3.25	62	914594	9.426	ppbv 97
6) Bromomethane	3.47	94	505285	9.459	ppbv 98
7) Chloroethane	3.55	64	323148	9.692	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	2115394	9.503	ppbv 98
9) Propene	3.00	41	837957	9.839	ppbv 98
10) Heptane	8.12	43	2158511	9.948	ppbv 98
11) Trichlorofluoromethane	3.94	101	2187489	9.204	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1463255	9.629	ppbv 100
13) Ethanol	3.60	45	56543	5.575	ppbv # 29
14) Bromoethene	3.74	108	631966	10.004	ppbv 99
15) Acetone	3.84	43	1258902	8.945	ppbv 99
16) 1,3-Butadiene	3.32	39	914502	9.333	ppbv 95
17) tert-Butyl alcohol	4.29	59	1503216	12.270	ppbv 99
18) 1,1-Dichloroethene	4.28	96	657450	9.727	ppbv 95
19) Isopropyl Alcohol	3.96	45	917581	11.852	ppbv # 97
20) Methylene Chloride	4.34	84	563895	8.558	ppbv 97
21) Allyl Chloride	4.40	41	1106815	9.866	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	610049	9.735	ppbv 90
23) Vinyl Acetate	5.07	43	2544333	10.569	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1727335	9.844	ppbv 99
25) Ethyl Acetate	5.67	43	3304756	9.877	ppbv 99
26) Hexane	5.68	57	1561831	10.059	ppbv 99
27) Carbon Disulfide	4.55	76	1606919	10.506	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1897009	10.360	ppbv 99
29) Chloroform	5.75	83	2421864	9.753	ppbv 99
30) Cyclohexane	7.12	84	1305561	10.368	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1547180	10.302	ppbv 94
32) 1,1,1-Trichloroethane	6.51	97	2459124	9.826	ppbv 98
34) 2-Butanone	5.24	43	1627431	8.996	ppbv 97
35) Carbon Tetrachloride	7.01	117	2605632	9.154	ppbv 97
36) Benzene	6.89	78	3249290	9.506	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1874793	9.319	ppbv 100
38) Trichloroethene	7.83	130	1175128	8.834	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1262961	9.109	ppbv 98
40) 1,4-Dioxane	7.83	88	296548	9.190	ppbv 98
41) Tetrahydrofuran	6.04	42	776420	9.308	ppbv 93
42) Bromodichloromethane	7.79	83	2669505	9.756	ppbv 100
43) Methyl Methacrylate	8.01	69	1178580	10.269	ppbv 96

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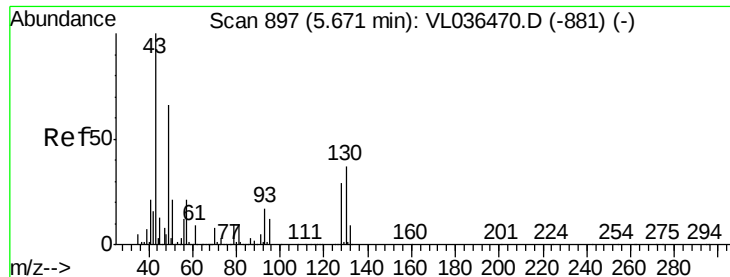
Instrument :
 MSVOA_L
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Quant Time: Apr 14 04:37:45 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	5466476	9.087	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1422880	10.857	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1760486	10.509	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1306335	9.302	ppbv	98
48) Dibromochloromethane	10.30	129	2201846	10.285	ppbv	99
49) Bromoform	13.04	173	1773124	10.279	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2487497	9.503	ppbv	100
51) 2-Hexanone	10.13	43	1328813	10.059	ppbv #	99
52) Tetrachloroethene	11.22	164	1093865	8.691	ppbv	96
53) Toluene	9.80	91	3632310	9.979	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1912208	9.642	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1455230	10.381	ppbv	98
57) Chlorobenzene	12.15	112	2668701	10.120	ppbv	97
58) Ethyl Benzene	12.71	91	4878525	10.820	ppbv	98
59) m/p-Xylene	13.00	91	4164395	10.589	ppbv #	32
60) o-Xylene	13.69	91	3841992	10.103	ppbv	99
61) Styrene	13.53	104	2263539	11.832	ppbv	99
62) Isopropylbenzene	14.67	105	5237049	10.227	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2772954	9.559	ppbv	99
64) n-propylbenzene	15.56	120	1387051	11.078	ppbv	99
65) tert-Butylbenzene	16.74	119	4554648	10.257	ppbv	100
66) Benzyl Chloride	16.99	91	595176	12.126	ppbv	97
67) sec-Butylbenzene	17.29	105	6414762	10.234	ppbv	99
69) p-Isopropyltoluene	17.65	119	5277343	10.782	ppbv	99
70) n-Butylbenzene	18.55	91	5456651	10.752	ppbv	100
71) 2-Chlorotoluene	15.45	91	4030530	10.504	ppbv	99
72) 4-Ethyltoluene	15.84	105	4638156	11.131	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4197466	10.793	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4271223	10.263	ppbv #	92
75) 1,3-Dichlorobenzene	17.00	146	2491962	10.638	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2420099	10.405	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2384897	10.831	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1748166	8.865	ppbv	99
79) Naphthalene	22.20	128	2930381	12.067	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	786790	16.429	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1674628	11.169	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 9:27

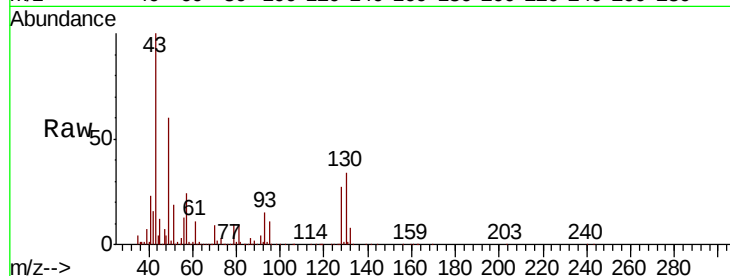
Tot Ion: 49 Resp: 1429901

Ion Ratio Lower Upper

49 100

128 48.3 23.5 70.6

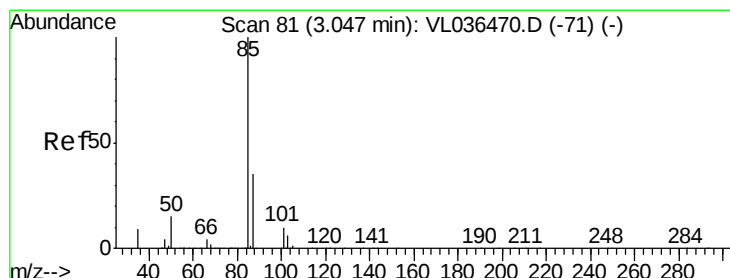
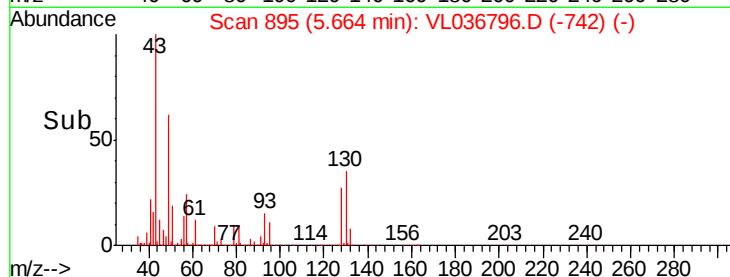
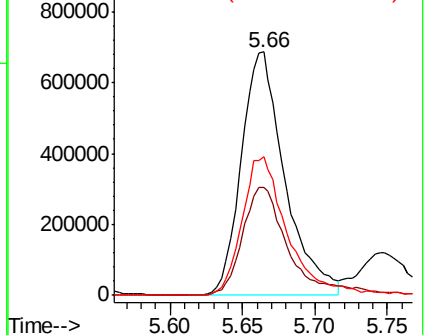
130 59.7 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.398 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036796.D

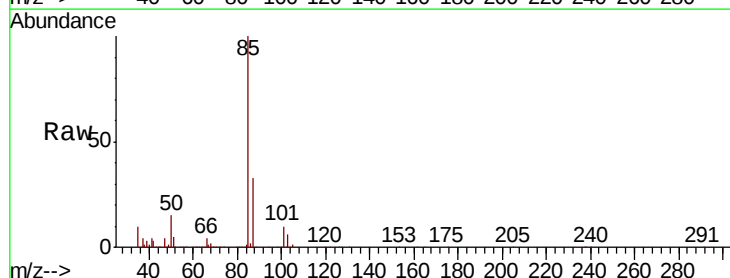
Acq: 13 Apr 2021 9:27

Tgt Ion: 85 Resp: 1958670

Ion Ratio Lower Upper

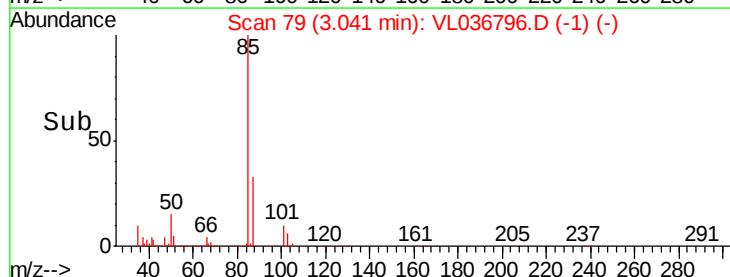
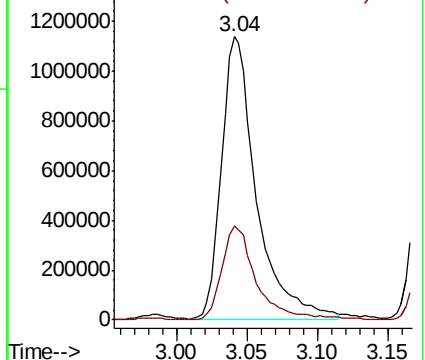
85 100

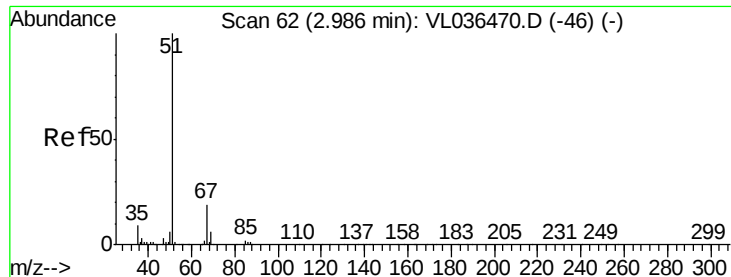
87 33.1 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.516 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

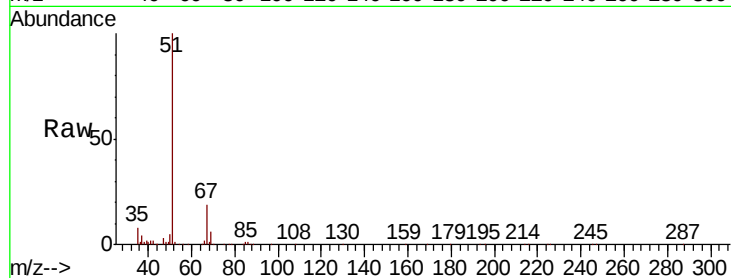
Acq: 13 Apr 2021 9:27

Tot Ion: 51 Resp: 2542298

Ion Ratio Lower Upper

51 100

67 18.2 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

1000000

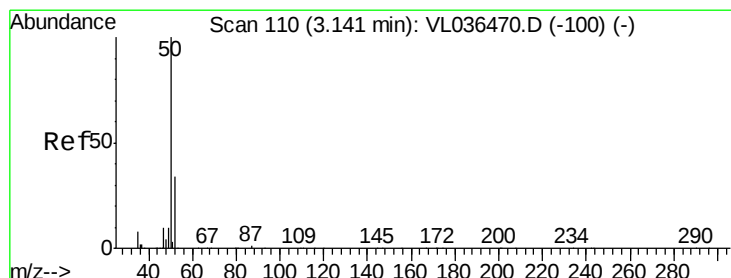
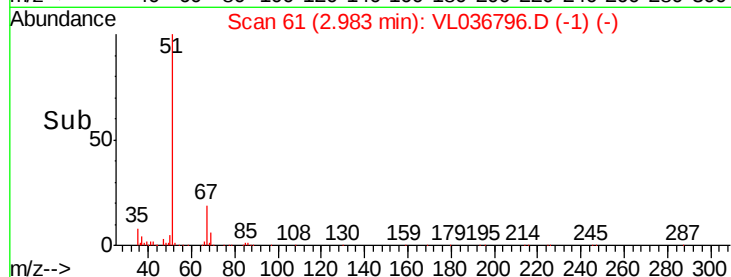
500000

0

2.98

2.90 3.00 3.10

Time-->



#4

Chloromethane

Concen: 9.504 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036796.D

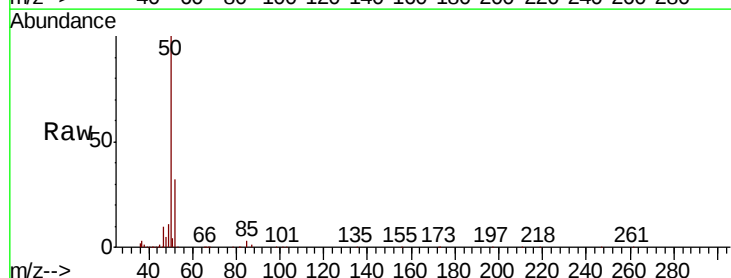
Acq: 13 Apr 2021 9:27

Tgt Ion: 50 Resp: 896859

Ion Ratio Lower Upper

50 100

52 32.1 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

500000

400000

300000

200000

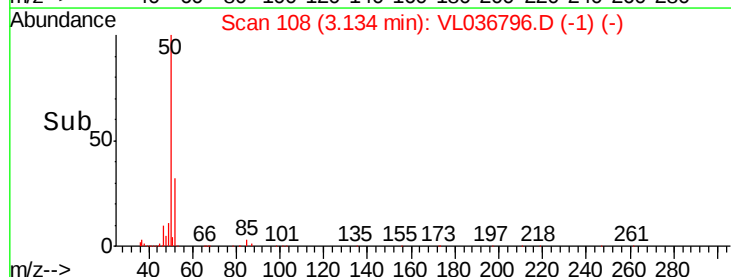
100000

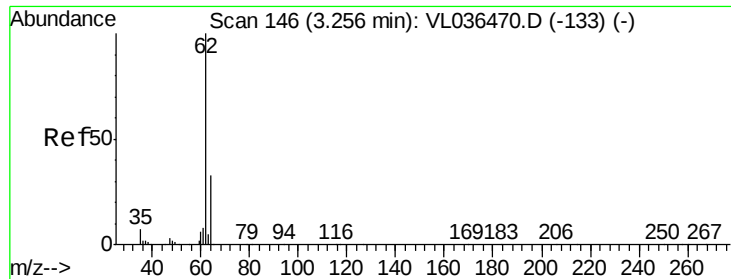
0

3.13

3.10 3.15

Time-->





#5

Vinyl Chloride

Concen: 9.426 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

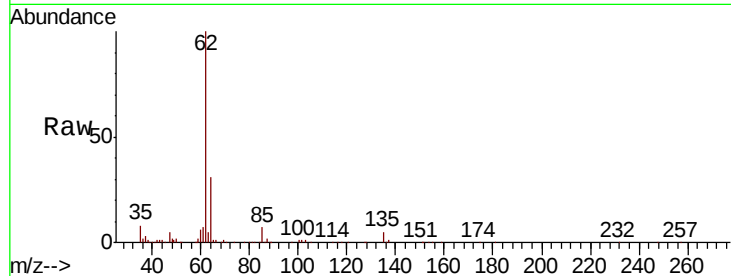
Acq: 13 Apr 2021 9:27

Tot Ion: 62 Resp: 914594

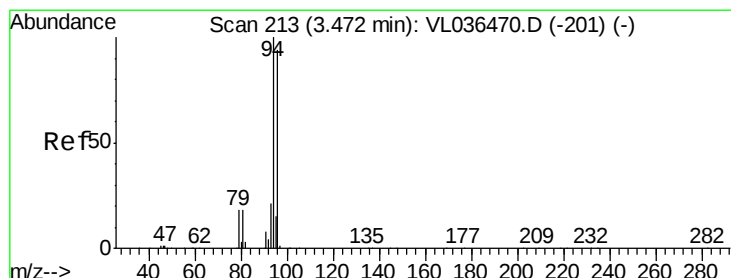
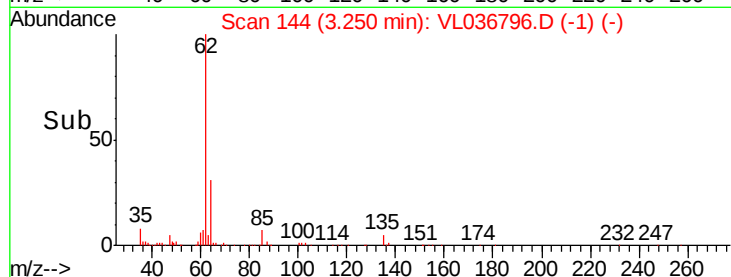
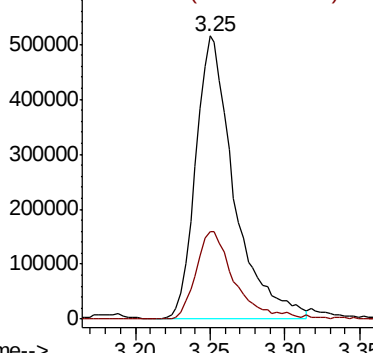
Ion Ratio Lower Upper

62 100

64 31.1 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.459 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL036796.D

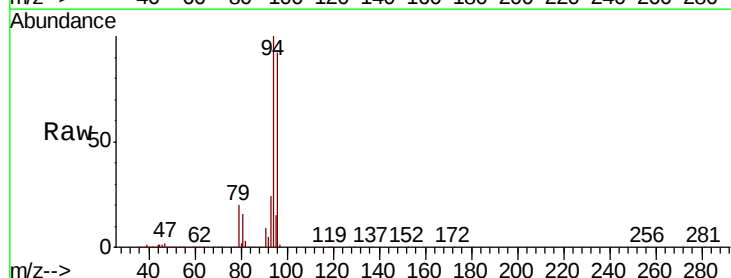
Acq: 13 Apr 2021 9:27

Tgt Ion: 94 Resp: 505285

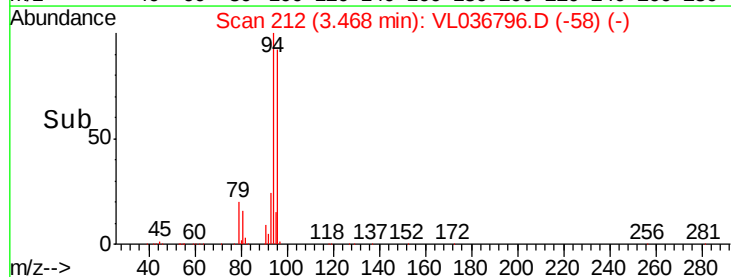
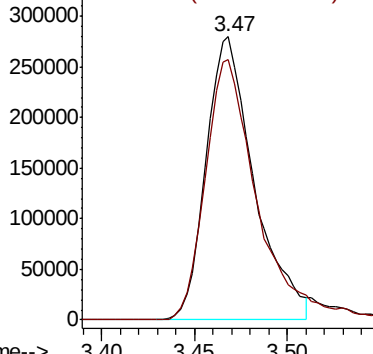
Ion Ratio Lower Upper

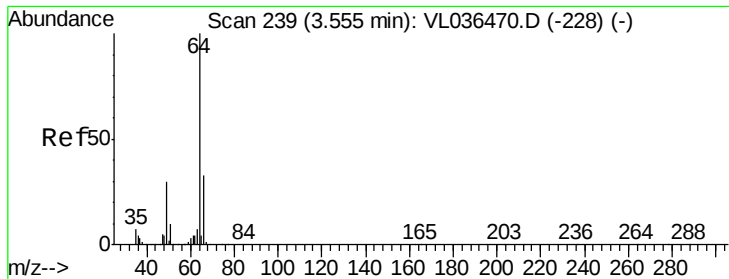
94 100

96 92.0 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0
Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.692 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

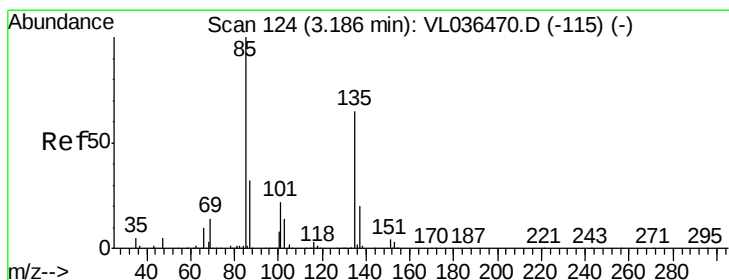
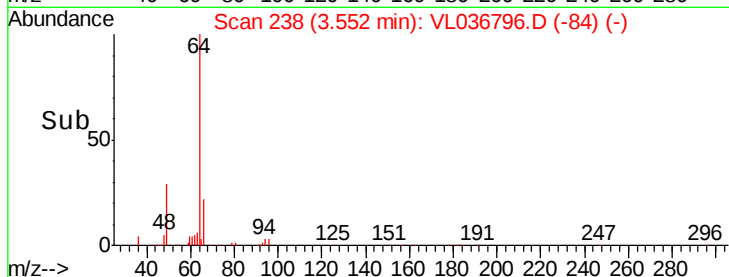
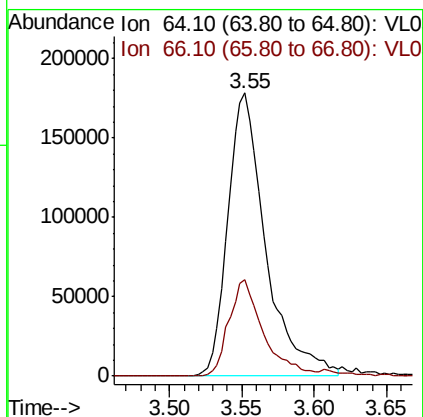
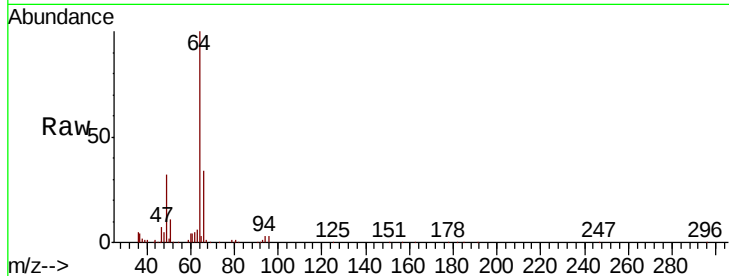
Acq: 13 Apr 2021 9:27

Tot Ion: 64 Resp: 323148

Ion Ratio Lower Upper

64 100

66 33.9 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 9.503 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL036796.D

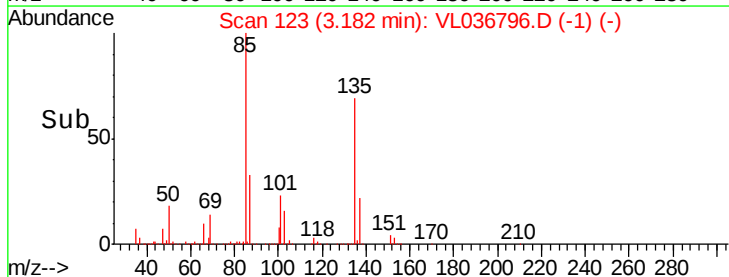
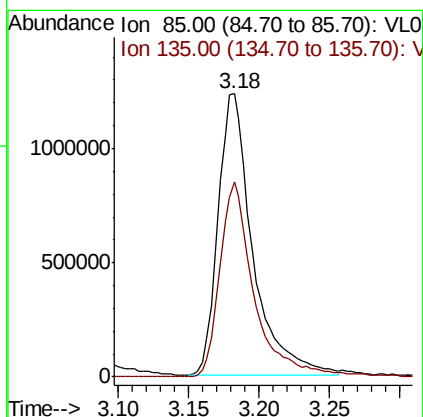
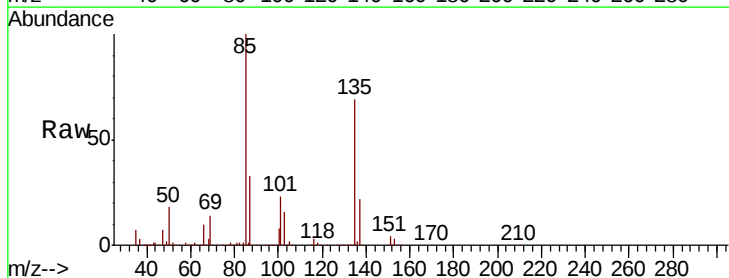
Acq: 13 Apr 2021 9:27

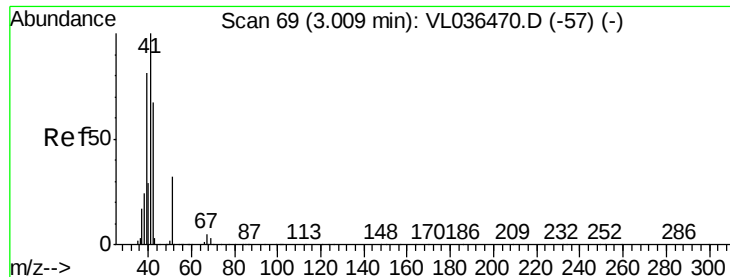
Tgt Ion: 85 Resp: 2115394

Ion Ratio Lower Upper

85 100

135 69.4 54.3 81.5





#9

Propene

Concen: 9.839 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

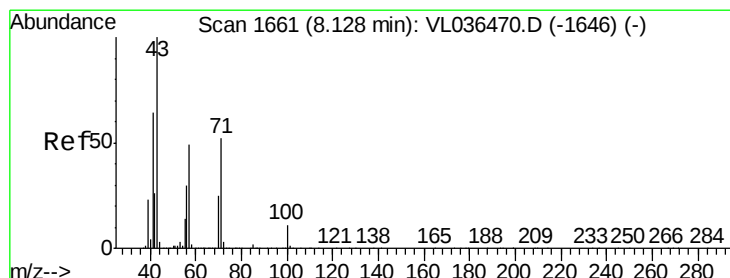
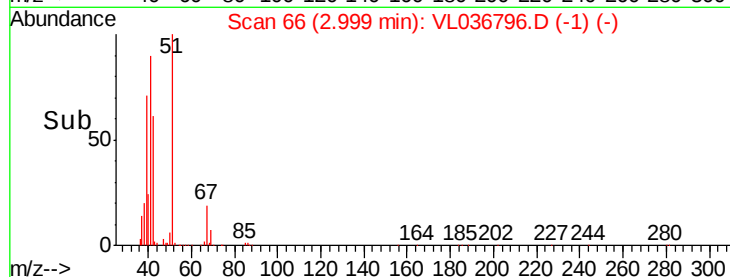
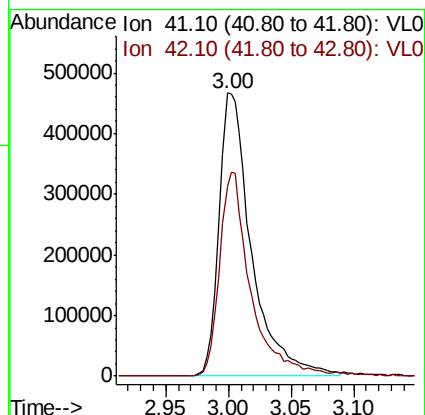
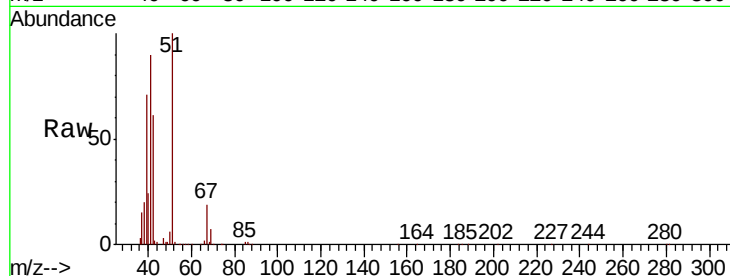
Acq: 13 Apr 2021 9:27

Tot Ion: 41 Resp: 837957

Ion Ratio Lower Upper

41 100

42 69.9 57.0 85.4



#10

Heptane

Concen: 9.948 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL036796.D

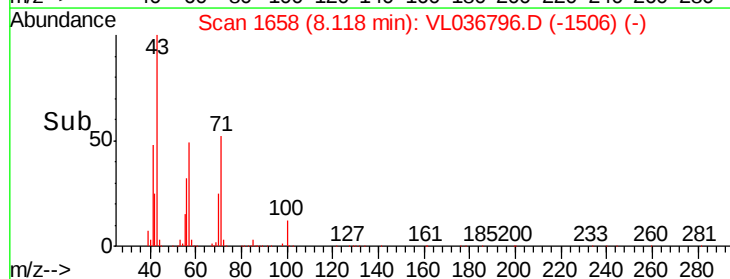
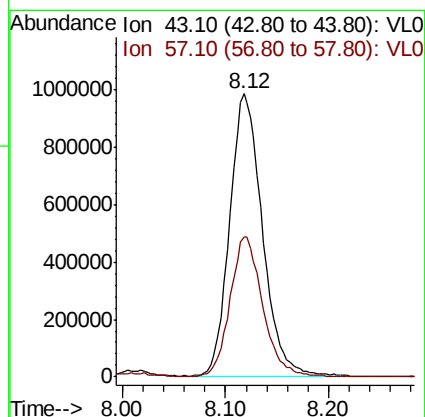
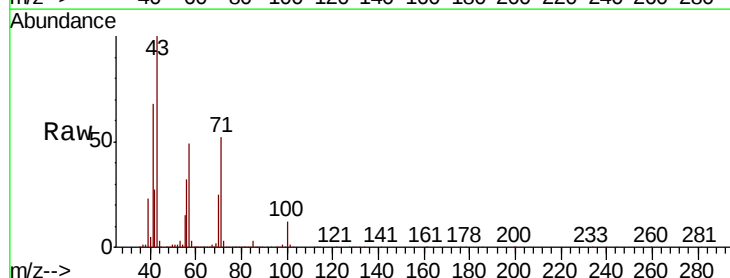
Acq: 13 Apr 2021 9:27

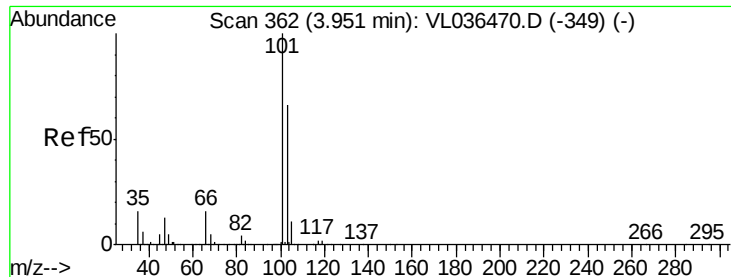
Tgt Ion: 43 Resp: 2158511

Ion Ratio Lower Upper

43 100

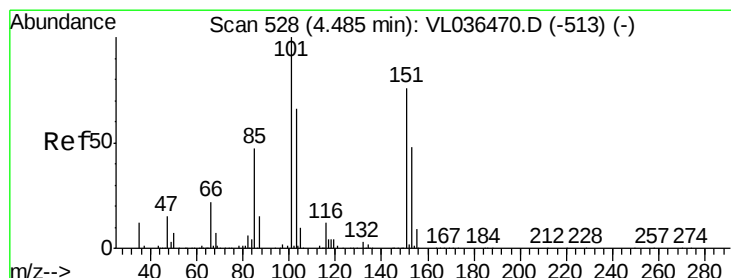
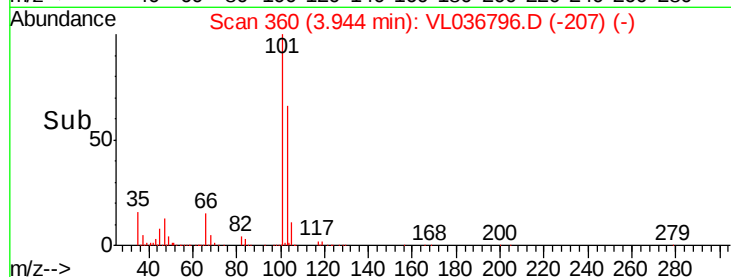
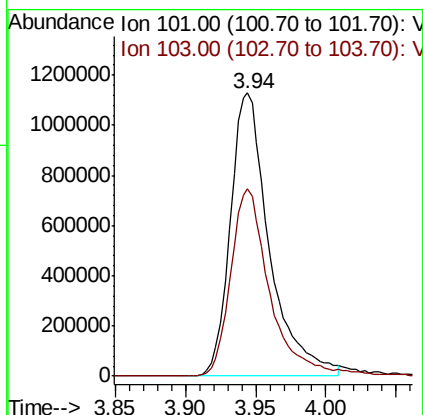
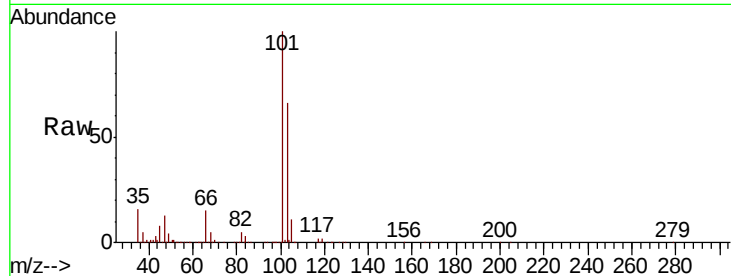
57 50.0 39.0 58.6





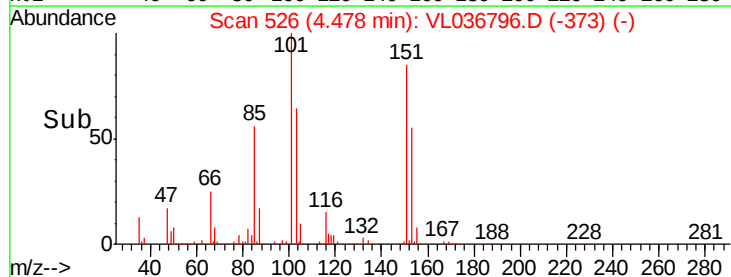
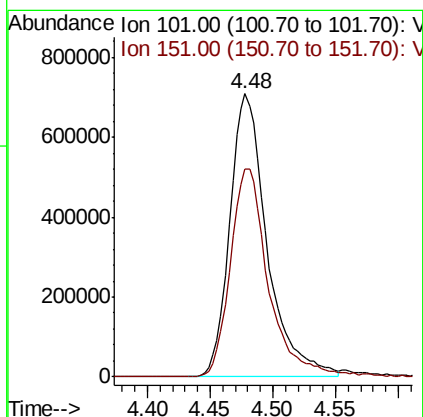
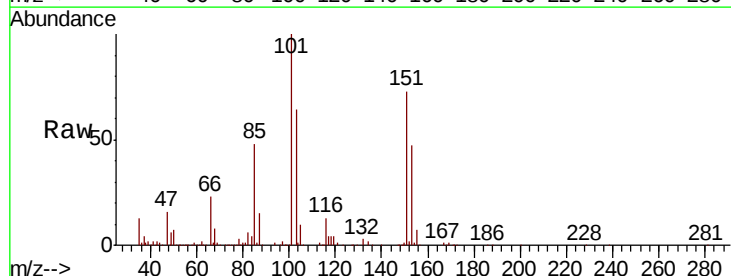
#11
 Trichlorofluoromethane
 Concen: 9.204 ppbv
 RT: 3.94 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 9:27

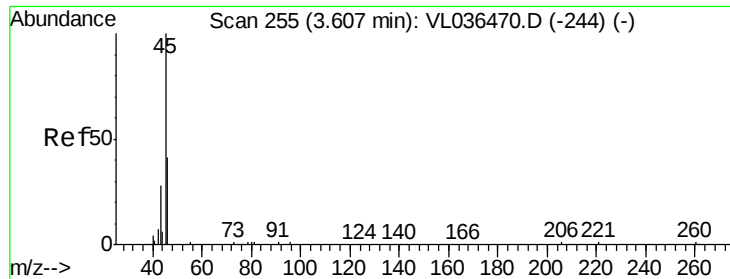
Tot Ion:101 Resp: 2187489
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.629 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

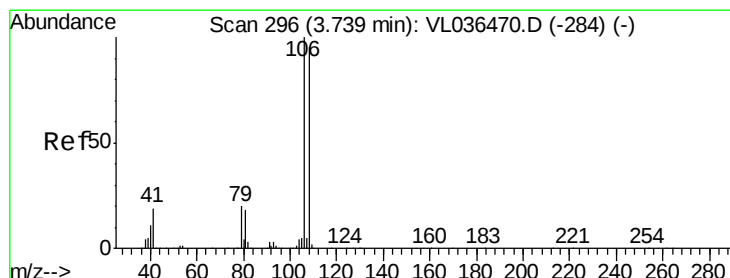
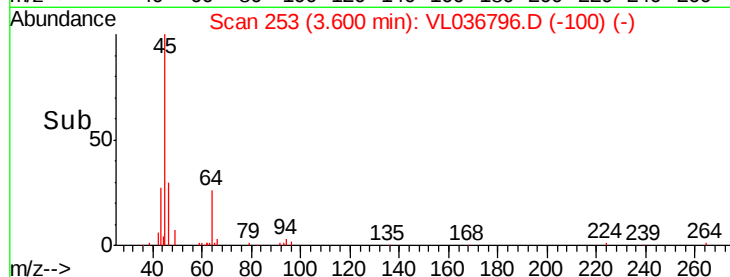
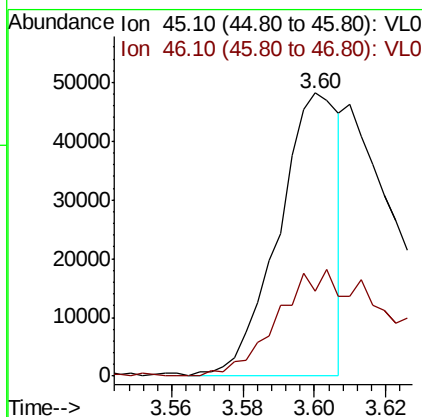
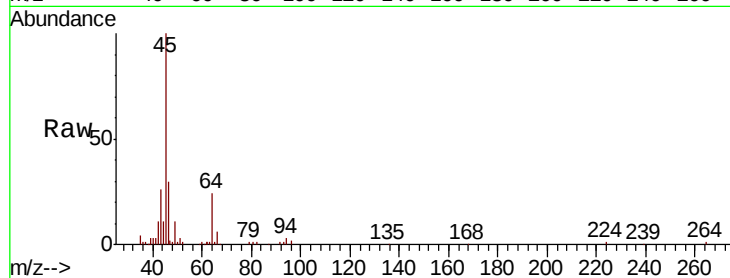
Tgt Ion:101 Resp: 1463255
 Ion Ratio Lower Upper
 101 100
 151 76.1 60.9 91.3





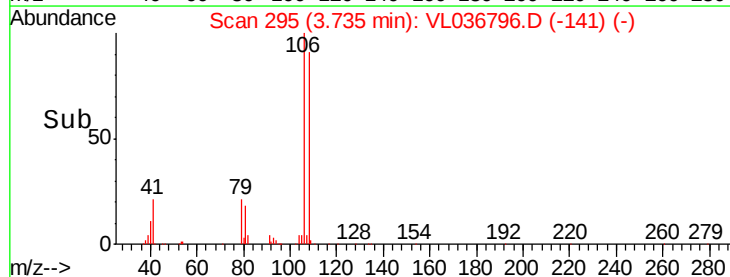
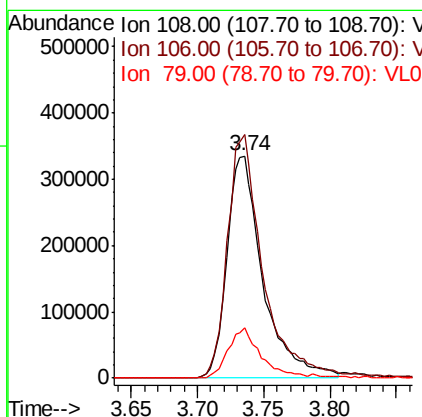
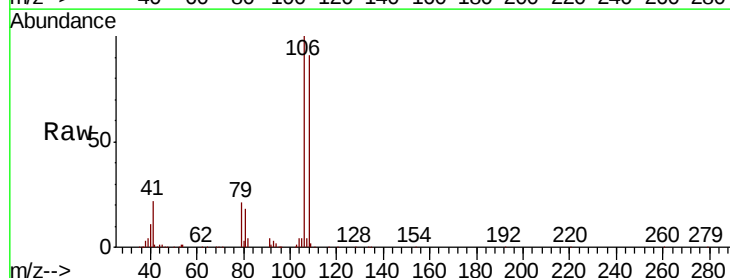
#13
 Ethanol
 Concen: 5.575 ppbv
 RT: 3.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 9:27

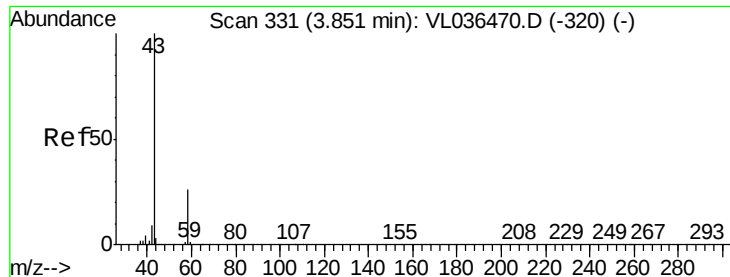
Tot Ion: 45 Resp: 56543
 Ion Ratio Lower Upper
 45 100
 46 85.9 16.6 66.2#



#14
 Bromoethene
 Concen: 10.004 ppbv
 RT: 3.74 min Scan# 295
 Delta R.T.: -0.00 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

Tgt Ion: 108 Resp: 631966
 Ion Ratio Lower Upper
 108 100
 106 110.4 89.0 133.6
 79 22.1 16.6 25.0





#15

Acetone

Concen: 8.945 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

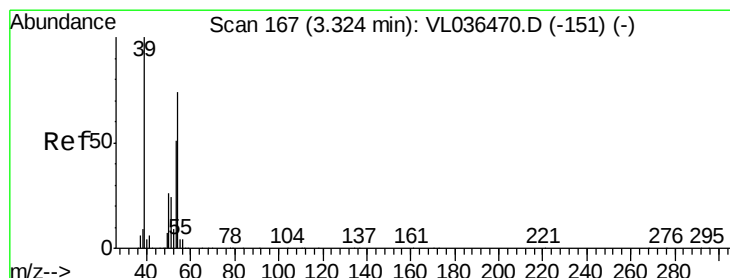
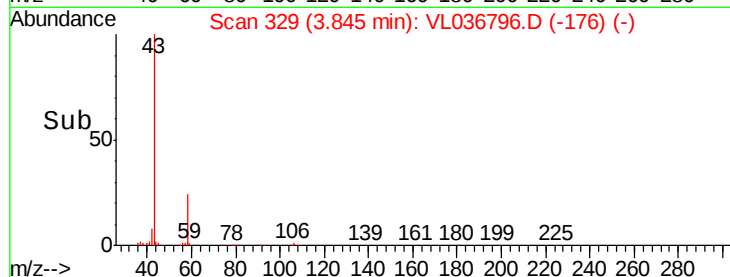
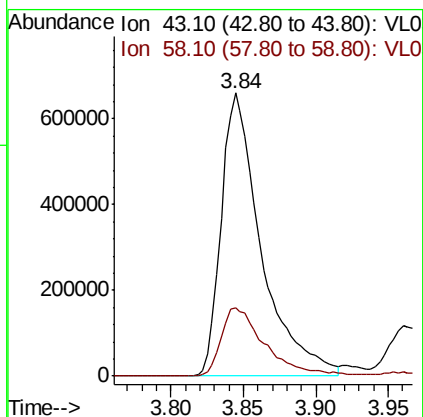
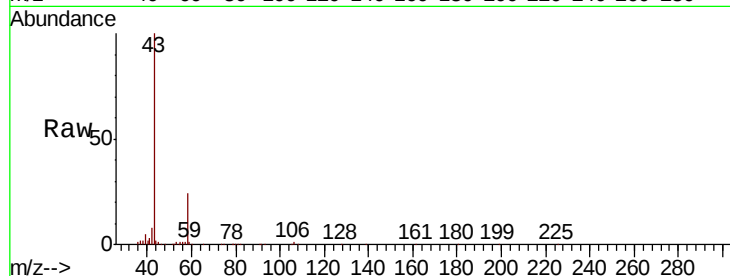
Acq: 13 Apr 2021 9:27

Tot Ion: 43 Resp: 1258902

Ion Ratio Lower Upper

43 100

58 26.9 21.2 31.8



#16

1,3-Butadiene

Concen: 9.333 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036796.D

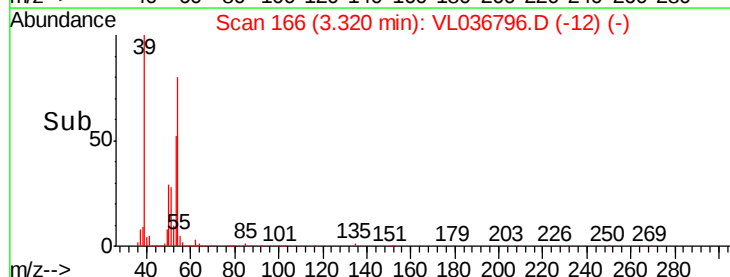
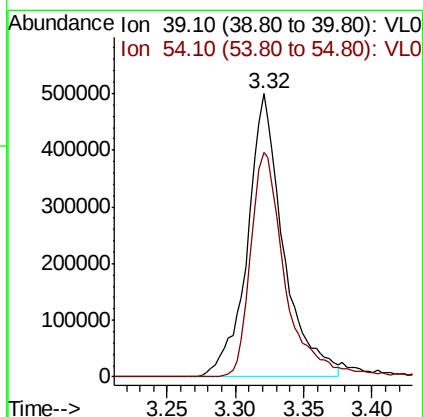
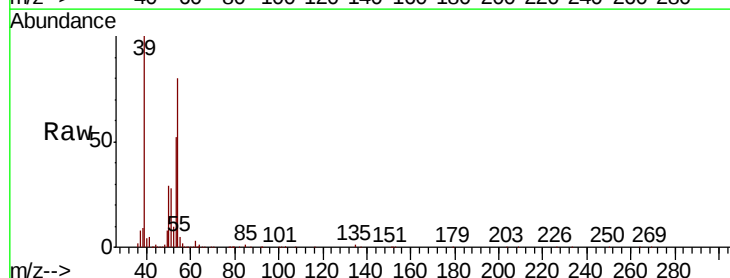
Acq: 13 Apr 2021 9:27

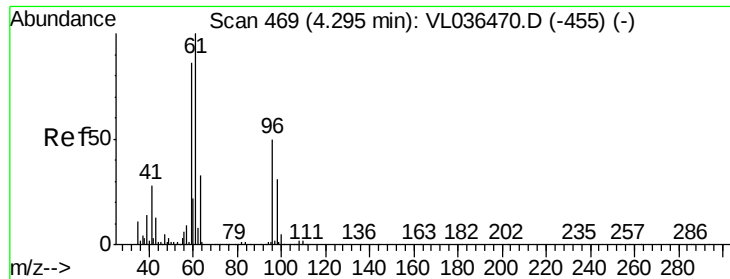
Tgt Ion: 39 Resp: 914502

Ion Ratio Lower Upper

39 100

54 77.6 58.8 88.2





#17

tert-Butyl alcohol

Concen: 12.270 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

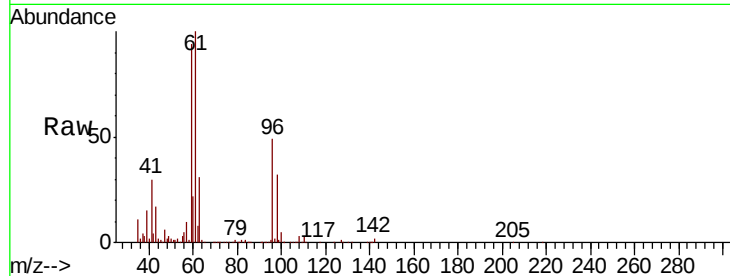
Acq: 13 Apr 2021 9:27

Tot Ion: 59 Resp: 1503216

Ion Ratio Lower Upper

59 100

57 11.1 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

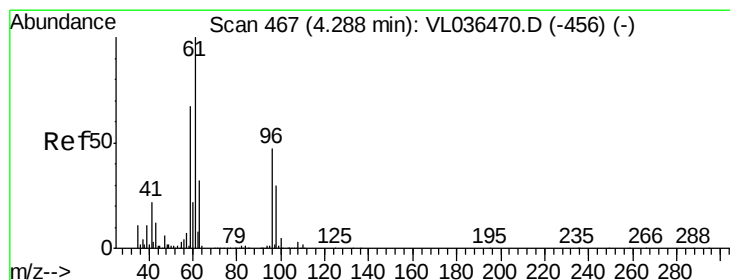
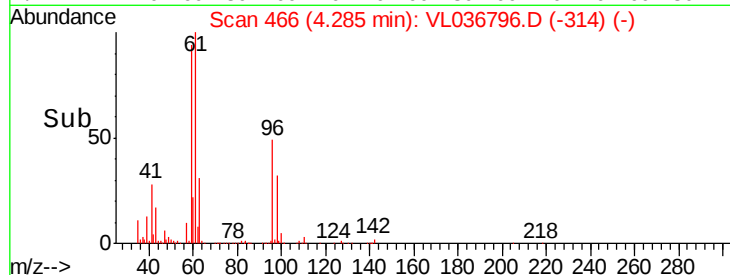
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35



#18

1,1-Dichloroethene

Concen: 9.727 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

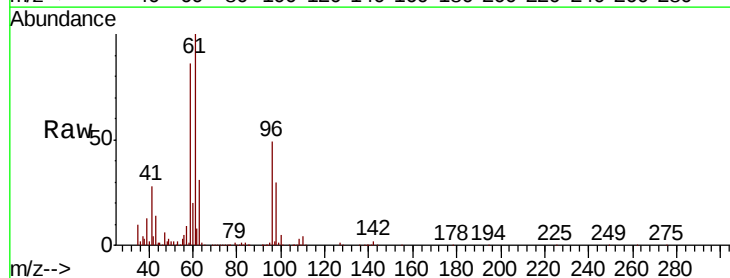
Tgt Ion: 96 Resp: 657450

Ion Ratio Lower Upper

96 100

61 202.9 168.6 253.0

98 60.2 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

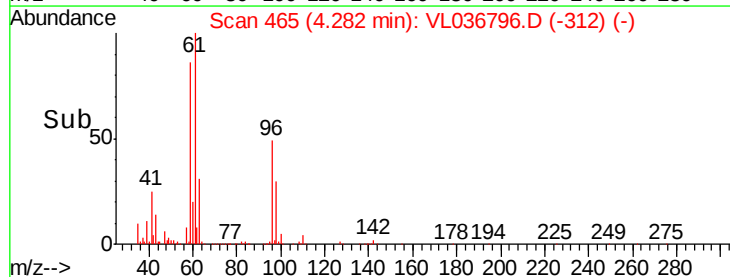
600000

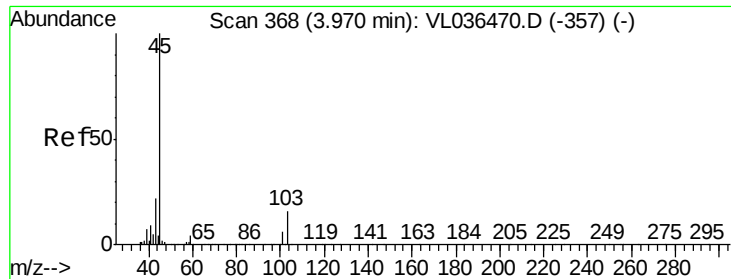
400000

200000

0

Time--> 4.20 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 11.852 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

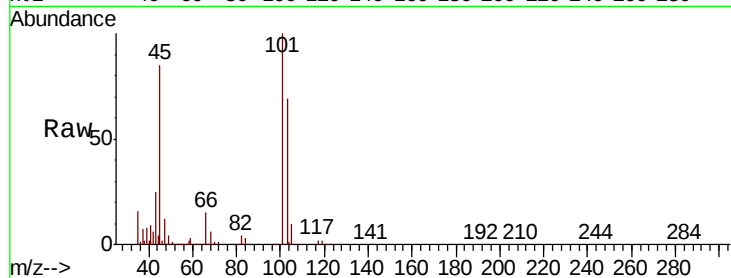
Acq: 13 Apr 2021 9:27

Tot Ion: 45 Resp: 917581

Ion Ratio Lower Upper

45 100

58 2.6 2.9 4.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

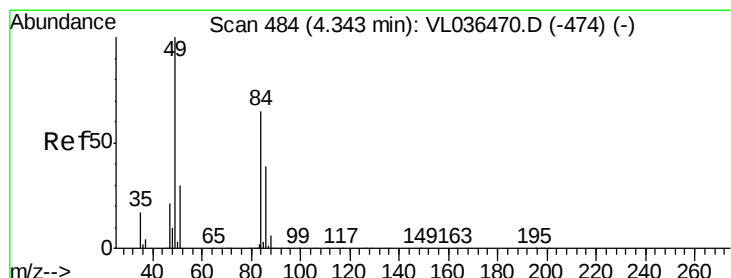
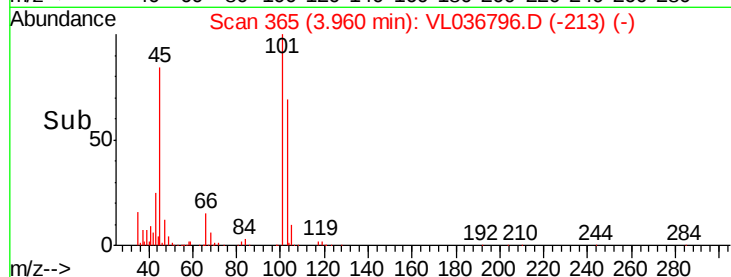
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.558 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

Tgt Ion: 84 Resp: 563895

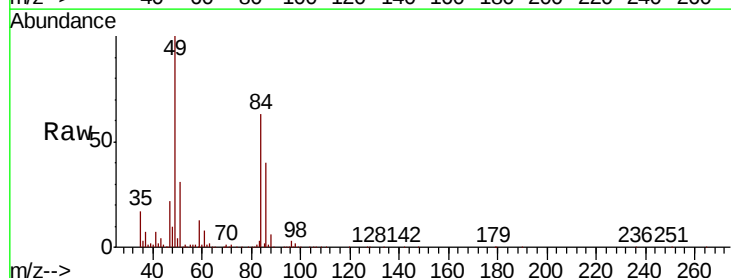
Ion Ratio Lower Upper

84 100

49 156.9 122.9 184.3

51 46.6 36.9 55.3

86 63.7 48.2 72.4



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

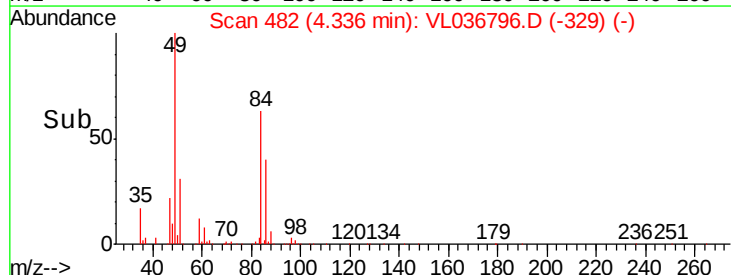
600000

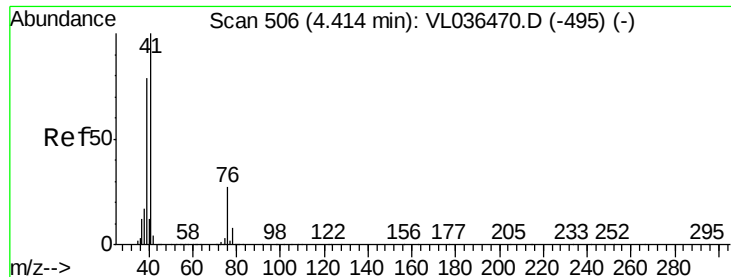
400000

200000

0

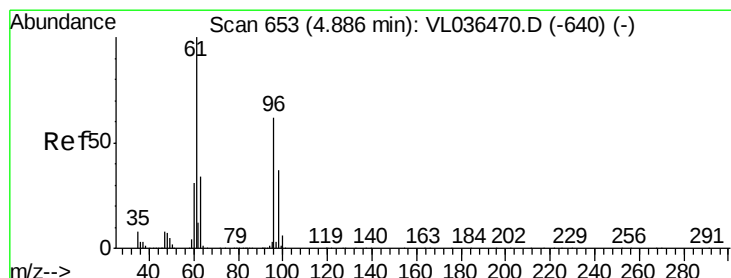
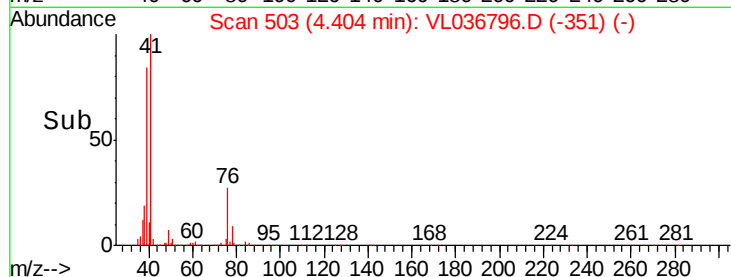
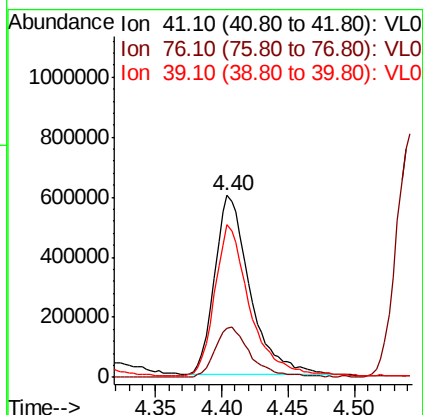
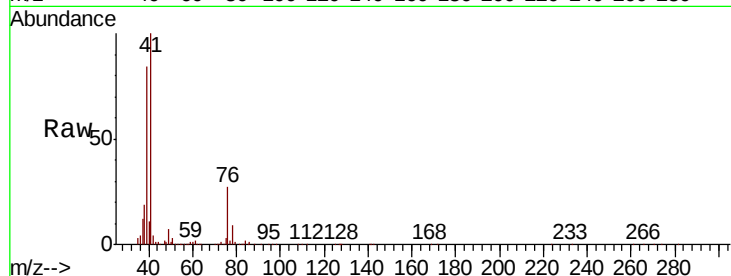
Time-->





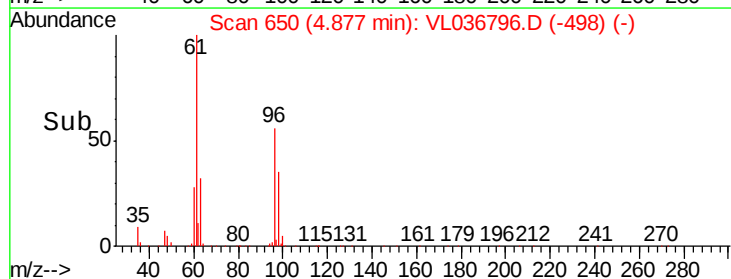
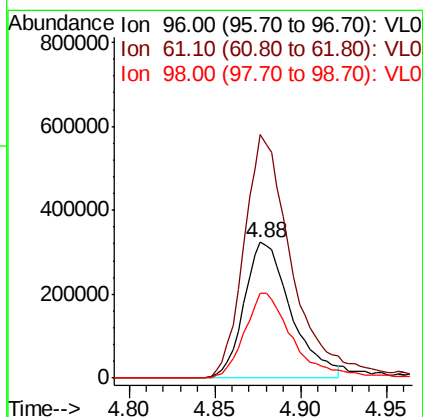
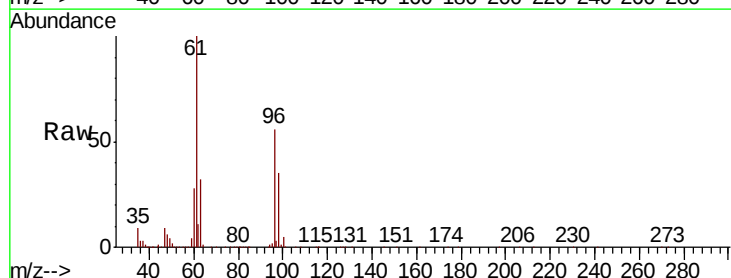
#21
 Allvl Chloride
 Concen: 9.866 ppbv
 RT: 4.40
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 9:27

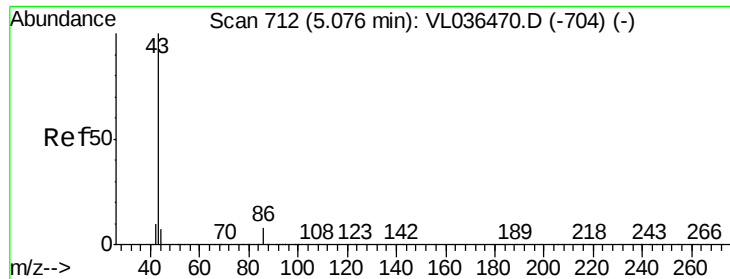
Tot Ion: 41 Resp: 1106815
 Ion Ratio Lower Upper
 41 100
 76 28.8 22.9 34.3
 39 85.1 67.3 100.9



#22
 trans-1,2-Dichloroethene
 Concen: 9.735 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

Tgt Ion: 96 Resp: 610049
 Ion Ratio Lower Upper
 96 100
 61 179.2 129.4 194.0
 98 62.1 48.2 72.4

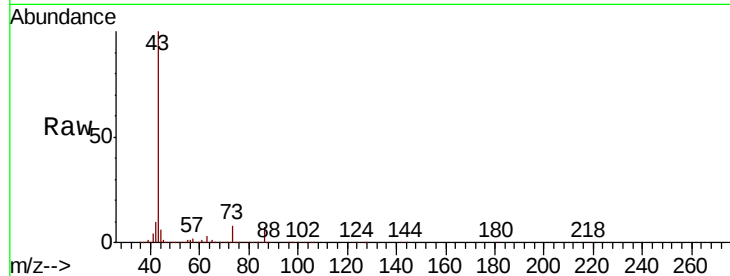




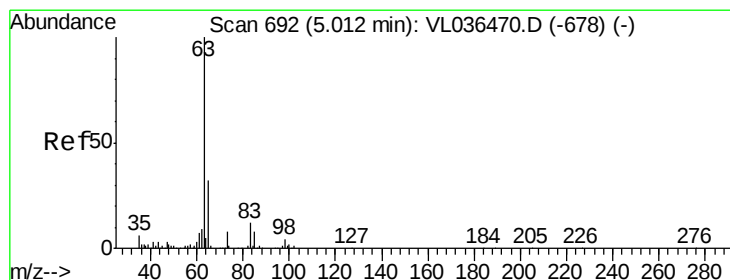
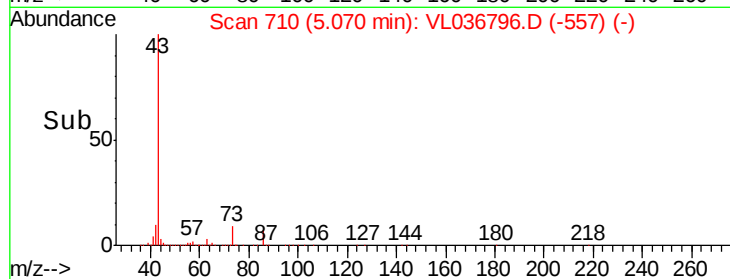
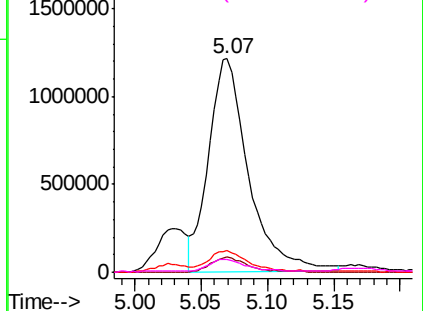
#23
 Vinyl Acetate
 Concen: 10.569 ppbv
 RT: 5.07
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 9:27

Tot Ion: 43 Resp: 2544333

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.4	8.0
42	10.0	8.5	12.7
44	5.2	4.6	7.0



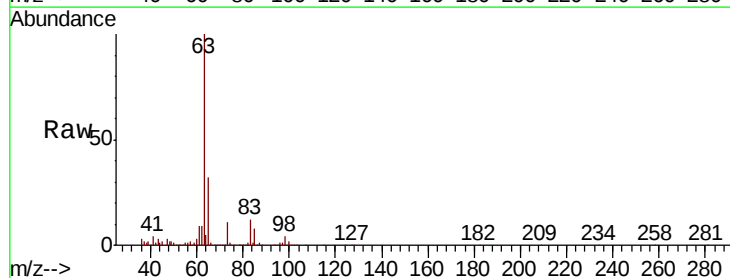
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



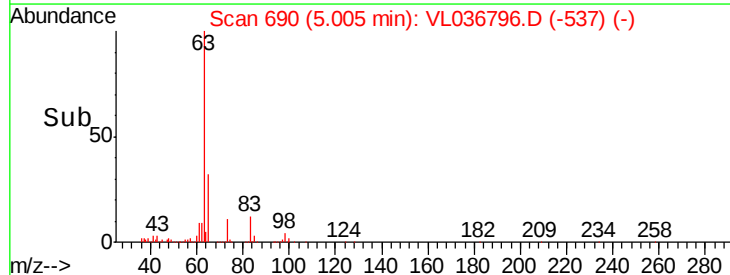
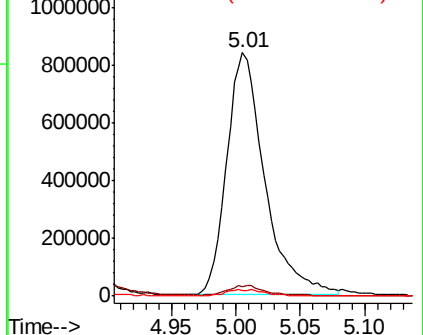
#24
 1,1-Dichloroethane
 Concen: 9.844 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T.: -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

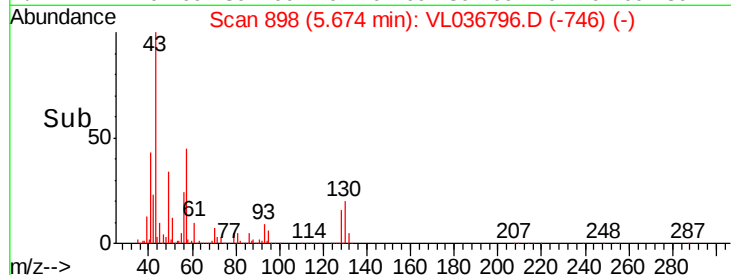
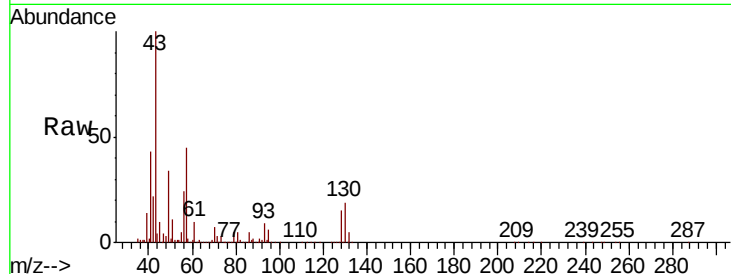
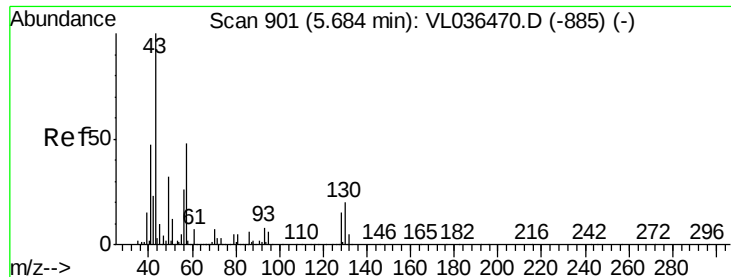
Tgt Ion: 63 Resp: 1727335

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.2
100	2.1	0.9	2.8



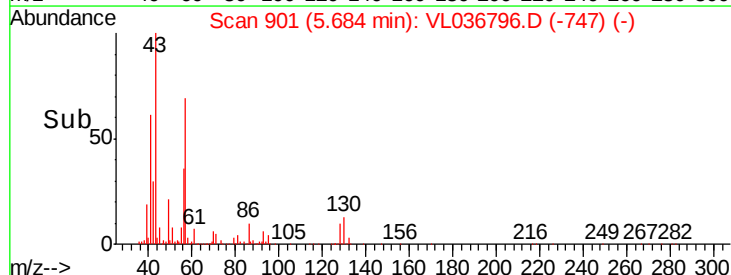
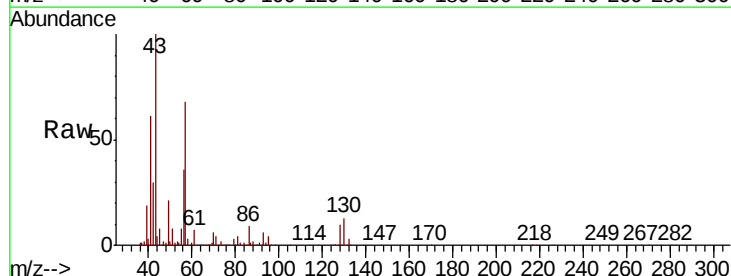
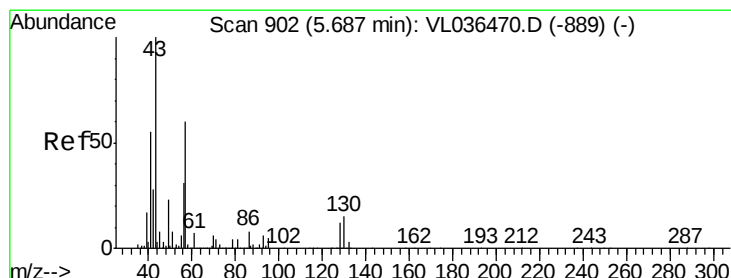
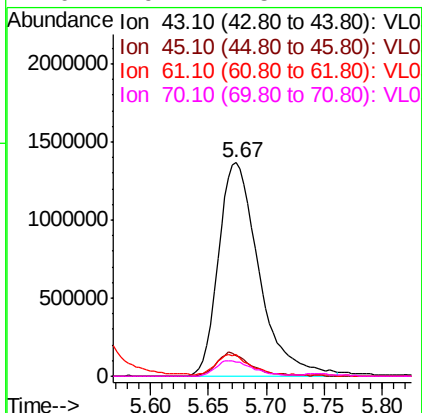
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





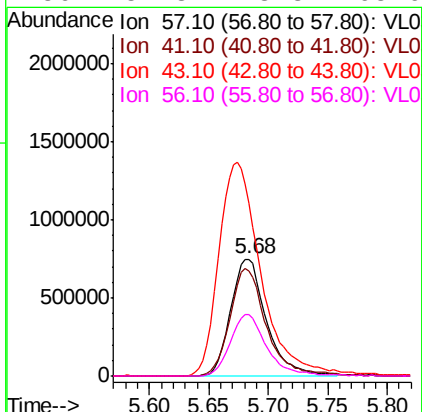
#25
Ethyl Acetate
Concen: 9.877 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2021 9:27

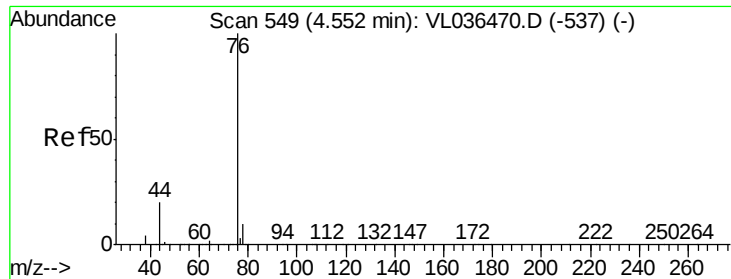
Tot Ion:	43	Resp:	3304756
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.9	11.9
61	9.7	7.4	11.2
70	6.7	5.1	7.7



#26
Hexane
Concen: 10.059 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: -0.00 min
Lab File: VL036796.D
Acq: 13 Apr 2021 9:27

Tgt Ion:	57	Resp:	1561831
Ion	Ratio	Lower	Upper
57	100		
41	94.4	77.2	115.8
43	215.7	173.8	260.6
56	54.3	43.8	65.6





#27

Carbon Disulfide

Concen: 10.506 ppbv

RT: 4.55 Instrument:

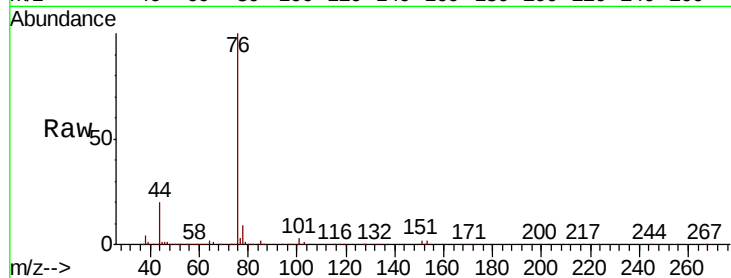
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

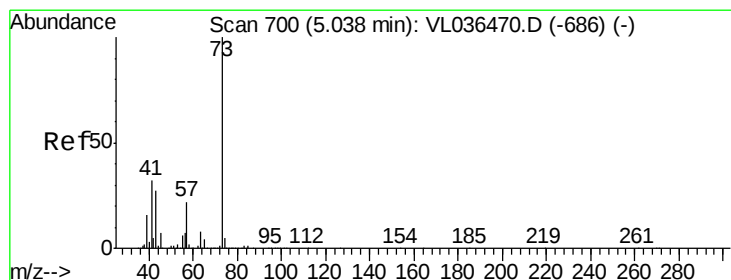
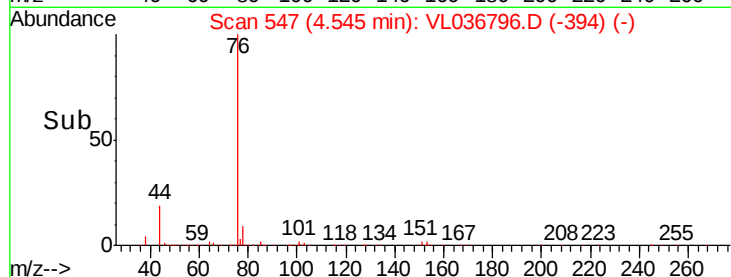
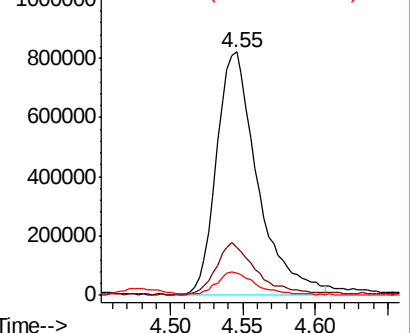
Acq: 13 Apr 2021 9:27

Tot Ion: 76 Resp: 1606919

Ion	Ratio	Lower	Upper
76	100		
44	21.3	17.5	26.3
78	9.7	8.6	13.0



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: 10.360 ppbv

RT: 5.03 min Scan# 697

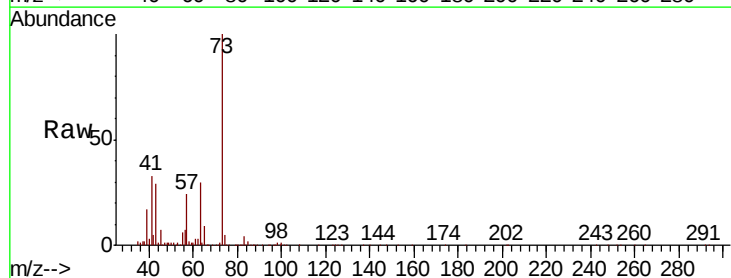
Delta R.T. -0.01 min

Lab File: VL036796.D

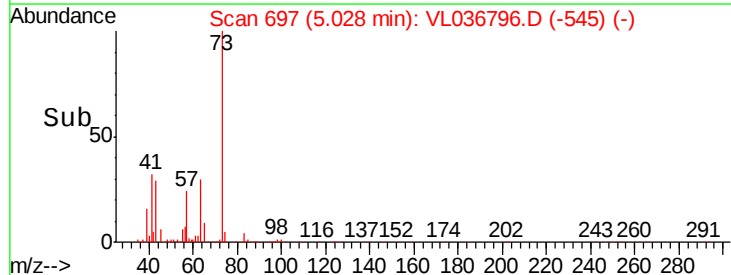
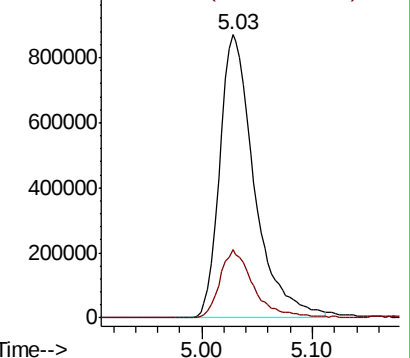
Acq: 13 Apr 2021 9:27

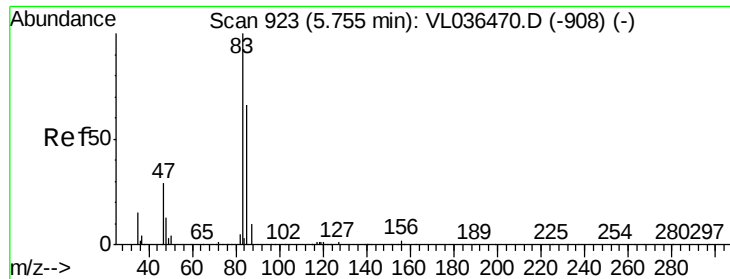
Tgt Ion: 73 Resp: 1897009

Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.5	27.7



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





#29

Chloroform

Concen: 9.753 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

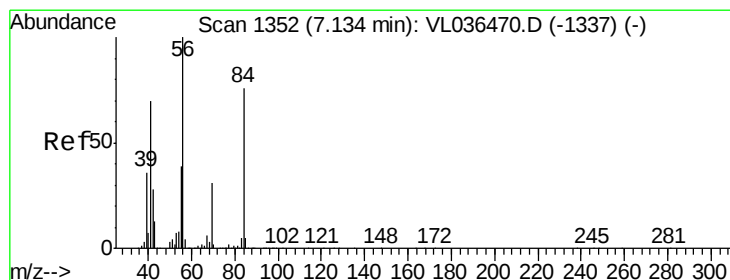
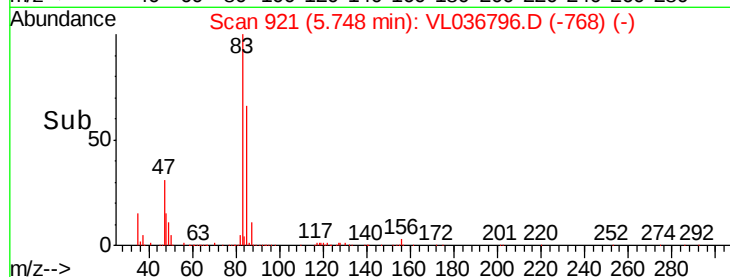
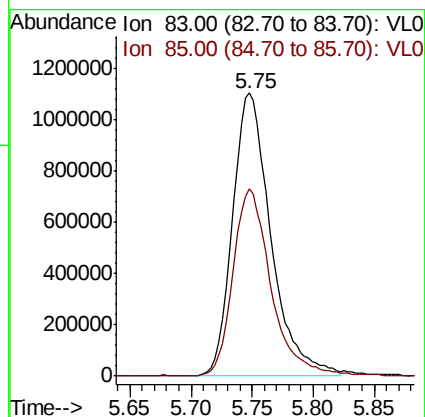
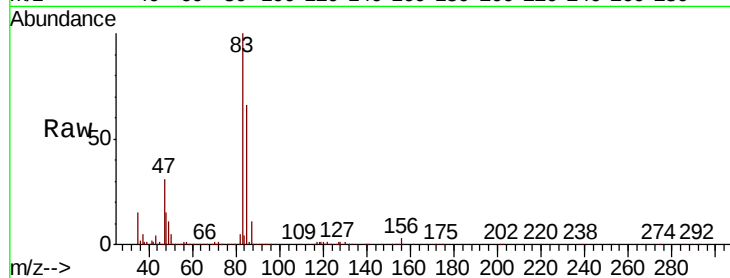
Acq: 13 Apr 2021 9:27

Tot Ion: 83 Resp: 2421864

Ion Ratio Lower Upper

83 100

85 66.1 52.6 78.8



#30

Cyclohexane

Concen: 10.368 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

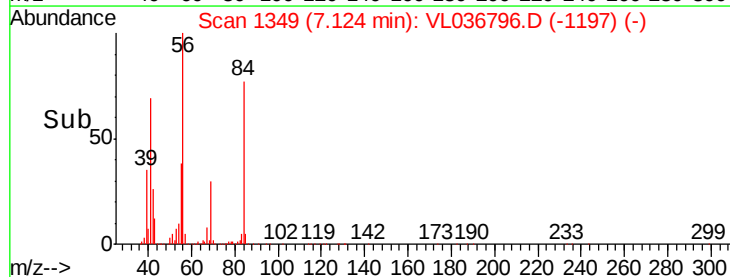
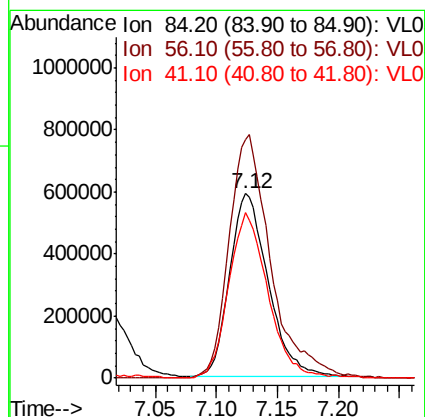
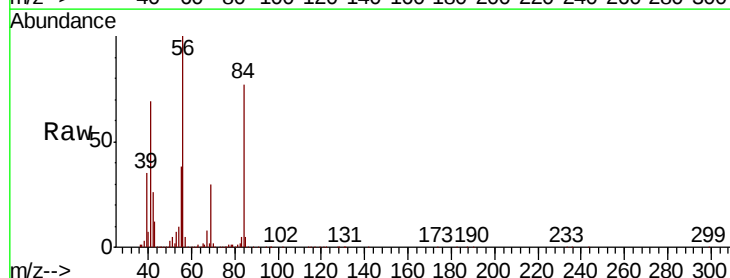
Tgt Ion: 84 Resp: 1305561

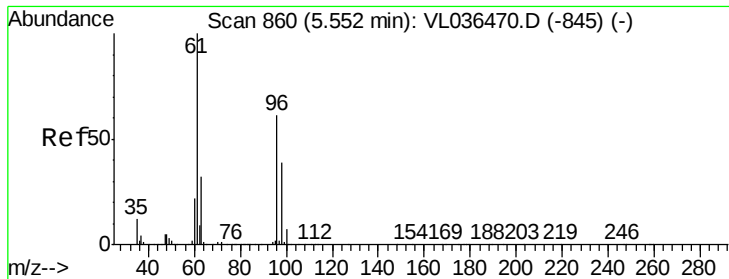
Ion Ratio Lower Upper

84 100

56 143.6 114.6 171.8

41 91.8 75.3 112.9





#31

cis-1,2-Dichloroethene

Concen: 10.302 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 9:27

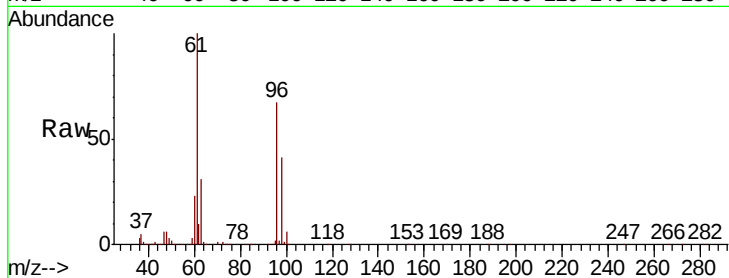
Tot Ion: 61 Resp: 1547180

Ion Ratio Lower Upper

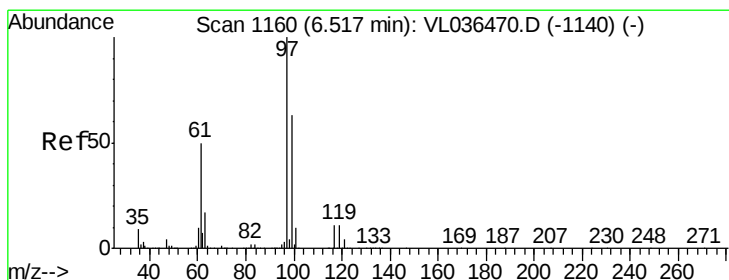
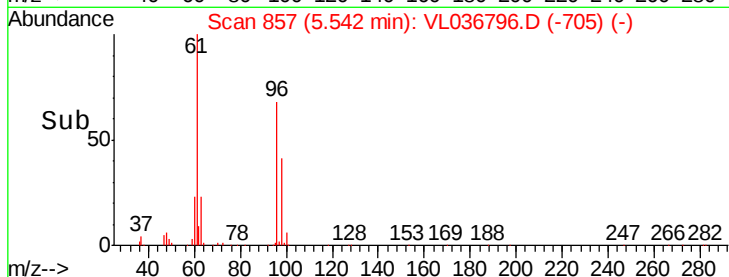
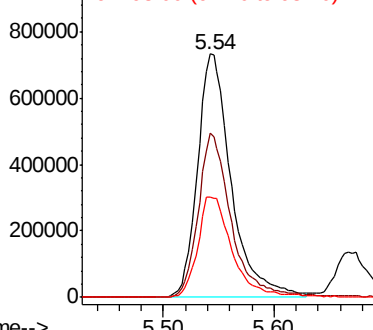
61 100

96 67.3 48.7 73.1

98 41.2 31.4 47.0



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



#32

1,1,1-Trichloroethane

Concen: 9.826 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

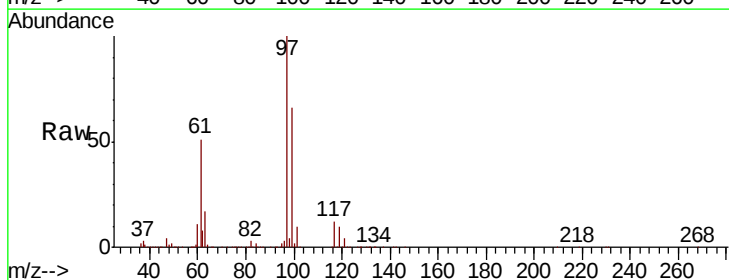
Tgt Ion: 97 Resp: 2459124

Ion Ratio Lower Upper

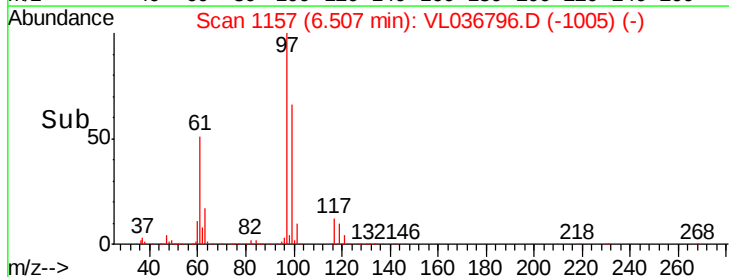
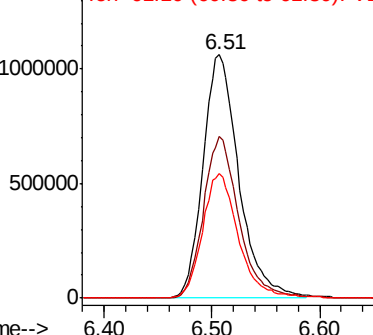
97 100

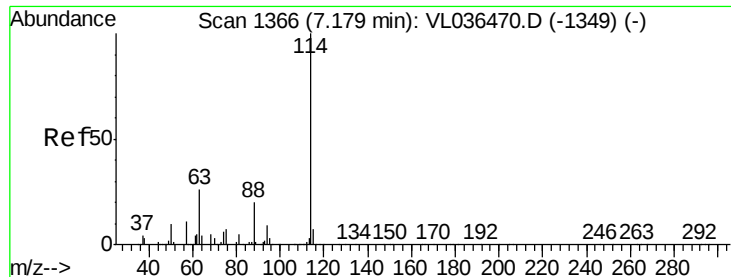
99 65.8 51.4 77.0

61 51.3 40.6 60.8



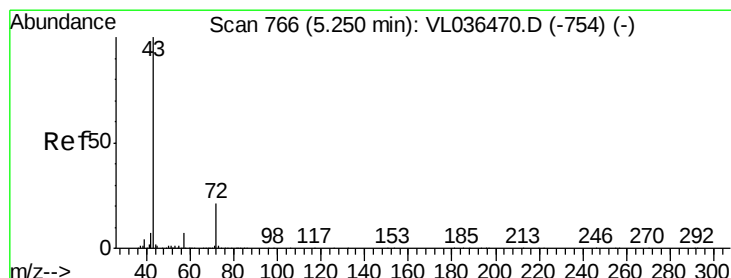
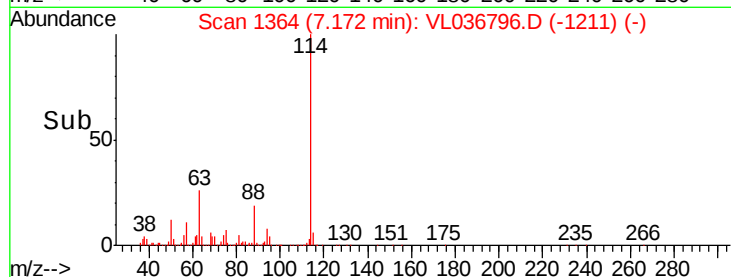
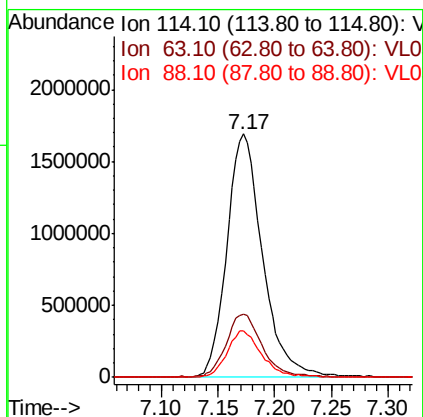
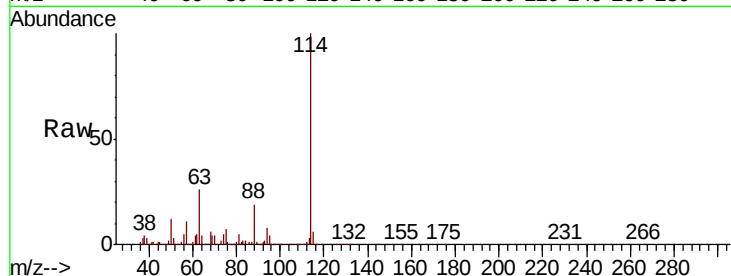
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





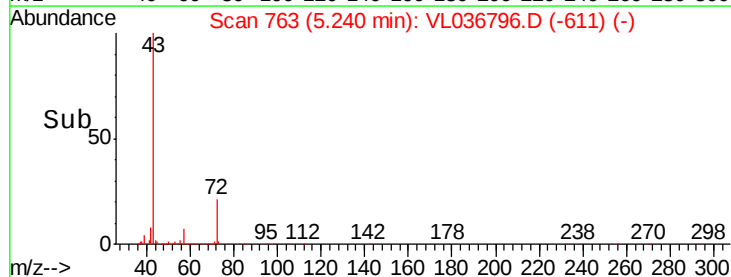
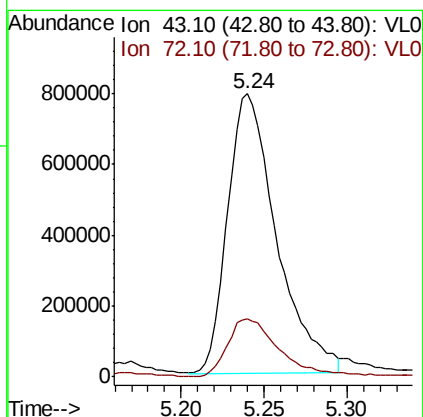
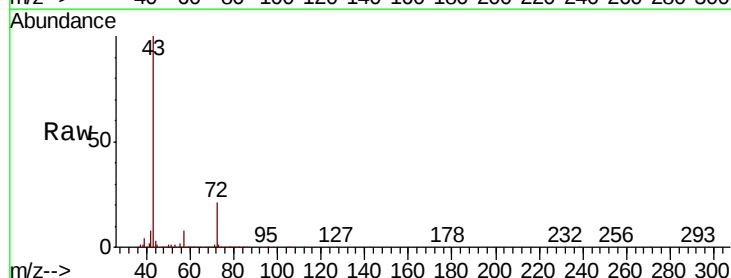
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 9:27

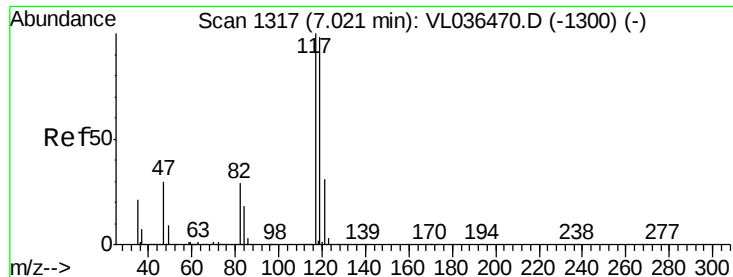
Tot Ion:114 Resp: 3706120
 Ion Ratio Lower Upper
 114 100
 63 26.6 22.4 33.6
 88 18.7 15.4 23.0



#34
 2-Butanone
 Concen: 8.996 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

Tgt Ion: 43 Resp: 1627431
 Ion Ratio Lower Upper
 43 100
 72 22.9 17.0 25.6

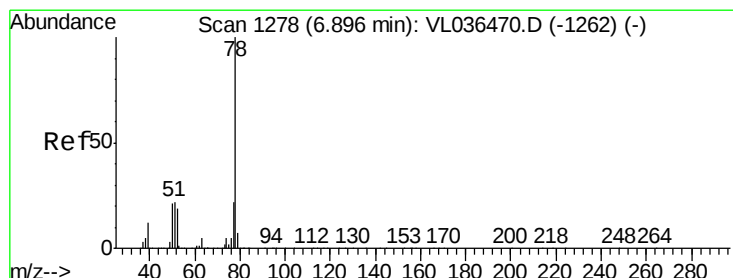
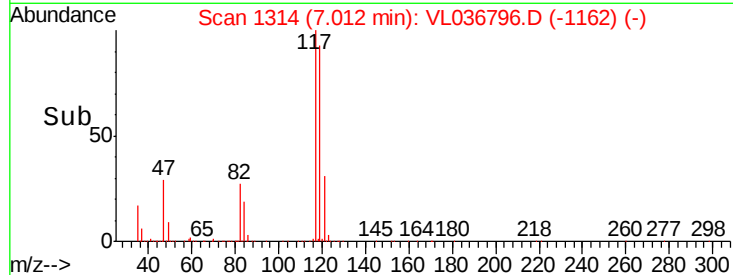
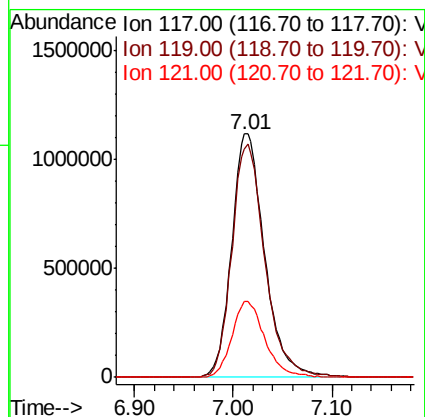
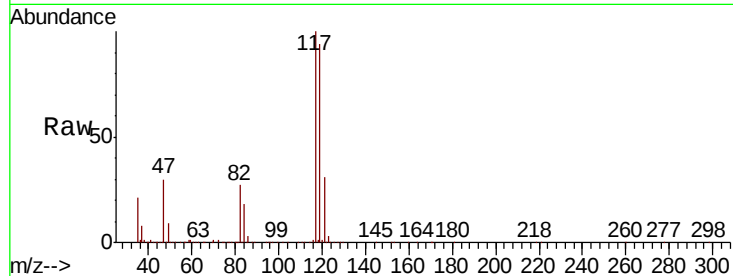




#35
Carbon Tetrachloride
Concen: 9.154 ppbv
RT: 7.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 9:27

Tot Ion:117 Resp: 2605632

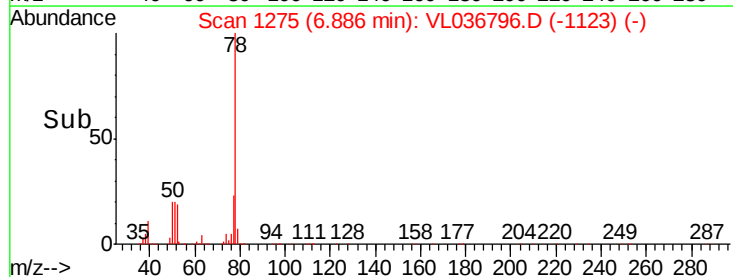
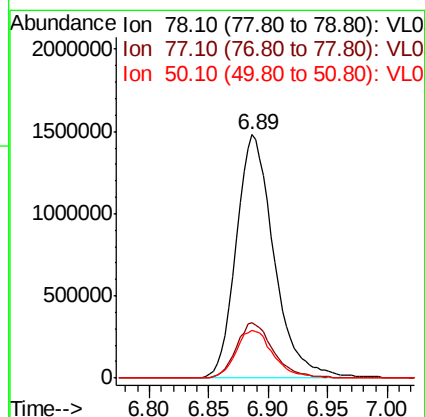
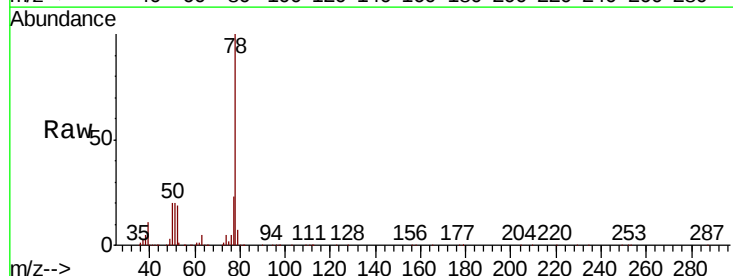
Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.2	117.2
121	31.2	24.5	36.7

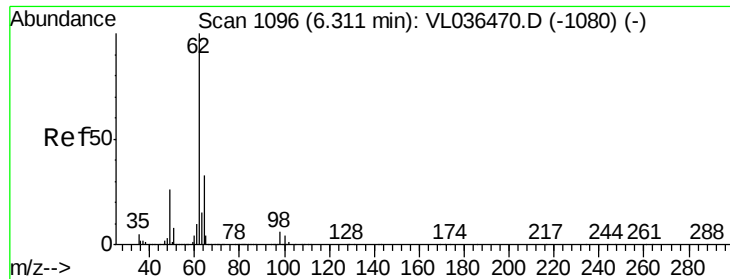


#36
Benzene
Concen: 9.506 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL036796.D
Acq: 13 Apr 2021 9:27

Tgt Ion: 78 Resp: 3249290

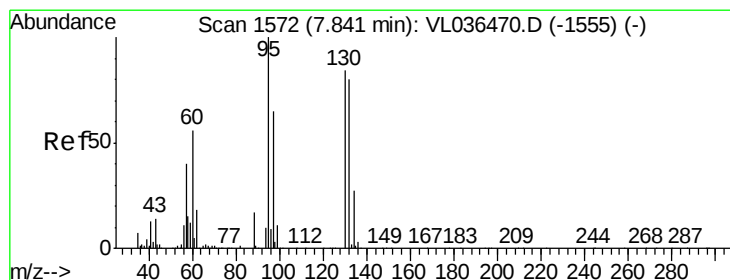
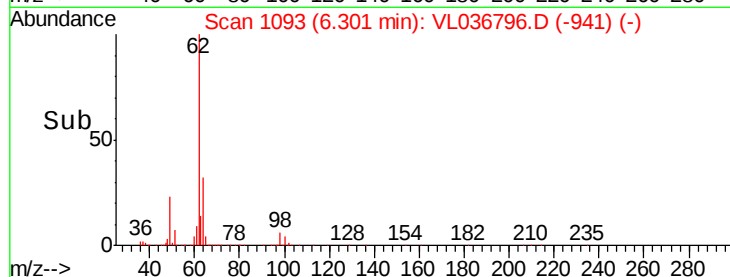
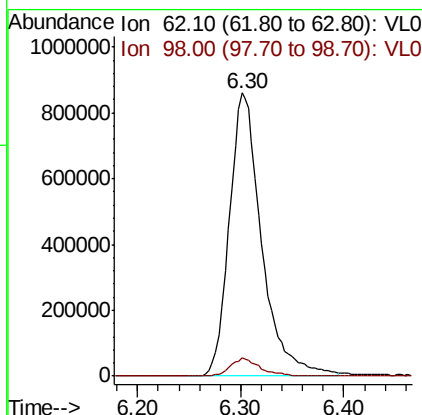
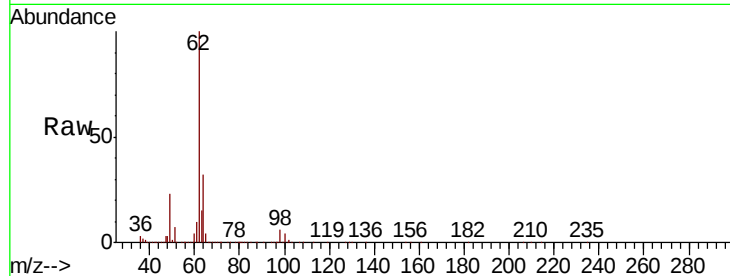
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.0	27.0
50	19.8	16.5	24.7





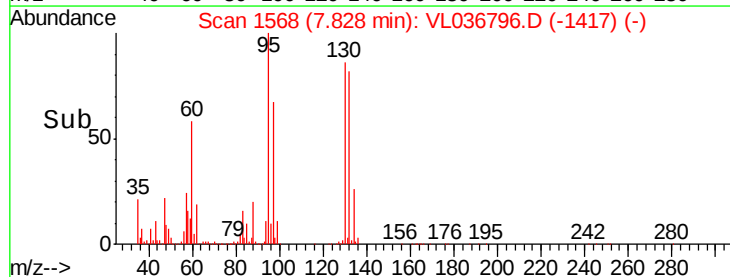
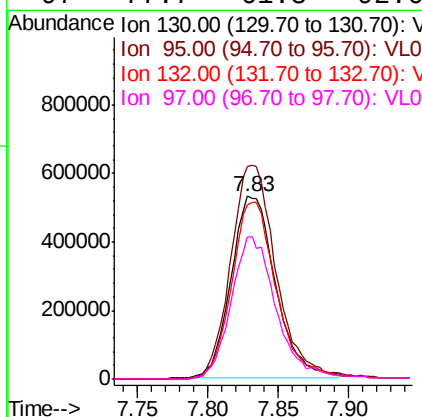
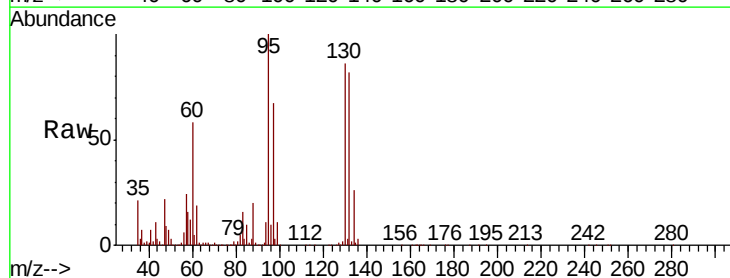
#37
 1,2-Dichloroethane
 Concen: 9.319 ppbv
 RT: 6.30 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 9:27

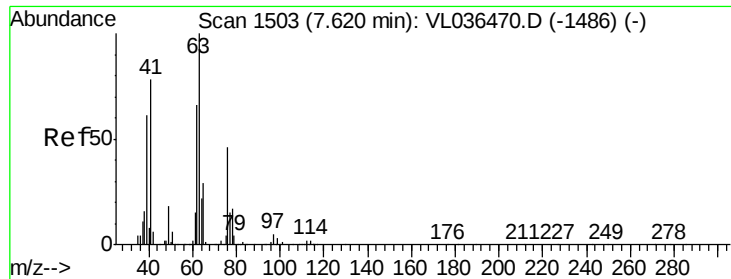
Tot Ion: 62 Resp: 1874793
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.9 7.3



#38
 Trichloroethene
 Concen: 8.834 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

Tgt Ion: 130 Resp: 1175128
 Ion Ratio Lower Upper
 130 100
 95 116.0 95.7 143.5
 132 95.5 76.2 114.4
 97 77.7 61.8 92.6





#39

1,2-Dichloropropane

Concen: 9.109 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 9:27

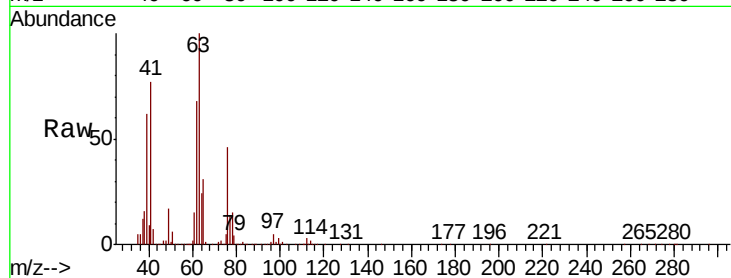
Tot Ion: 63 Resp: 1262961

Ion Ratio Lower Upper

63 100

41 77.0 62.4 93.6

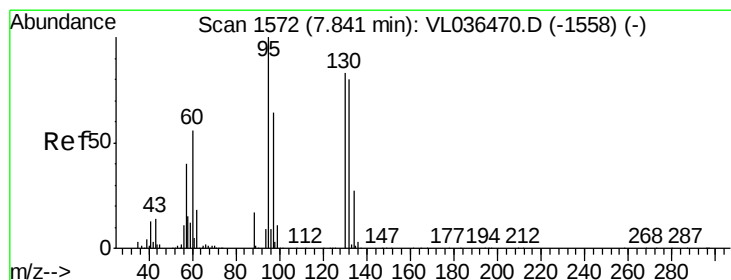
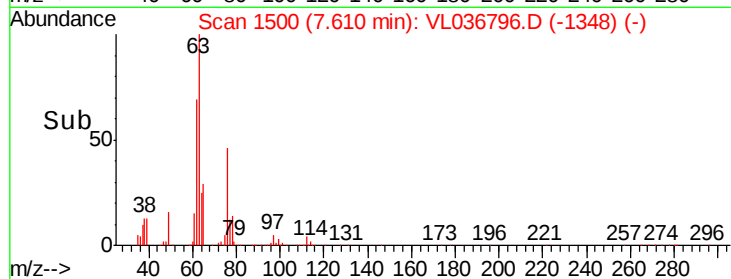
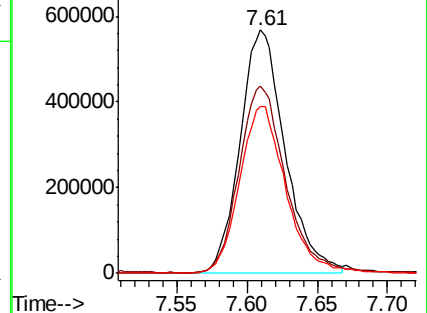
62 68.3 52.8 79.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.190 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

Tgt Ion: 88 Resp: 296548

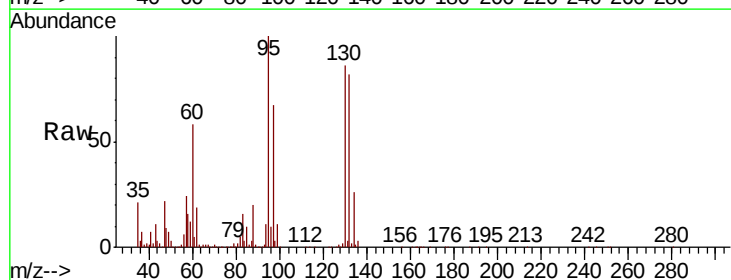
Ion Ratio Lower Upper

88 100

58 174.2 134.1 201.1

43 421.7 346.6 520.0

57 1846.0 1481.8 2222.8

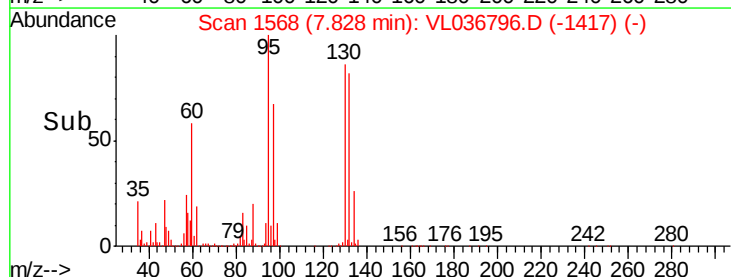
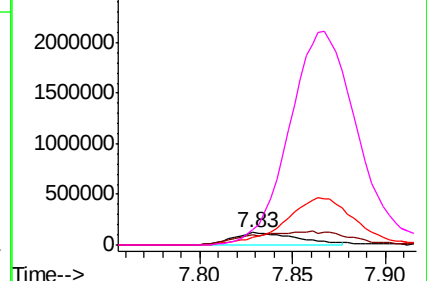


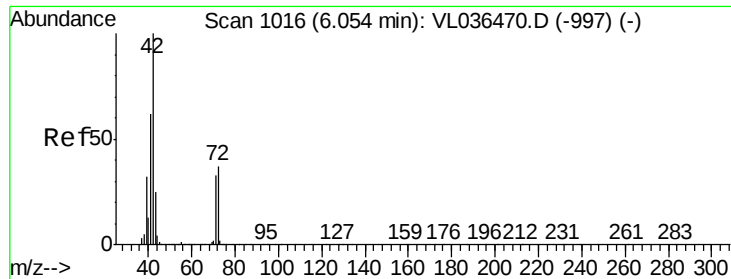
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

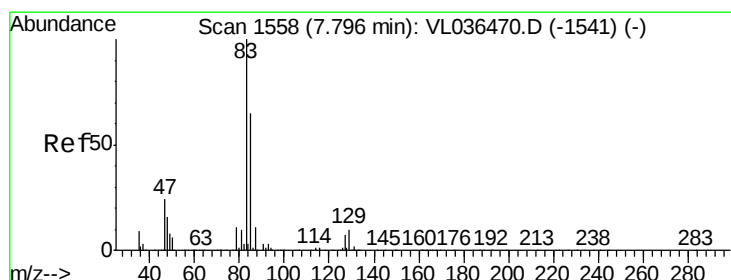
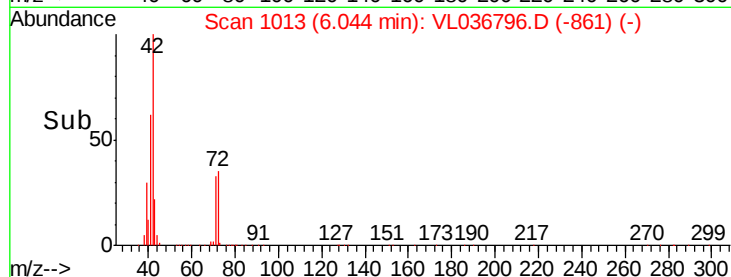
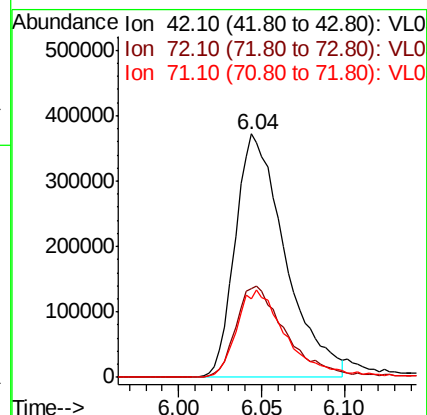
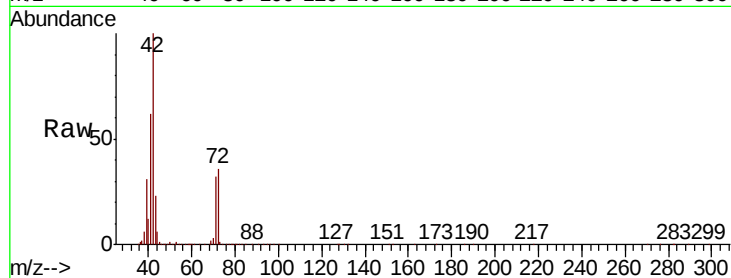
Ion 57.10 (56.80 to 57.80): VL0





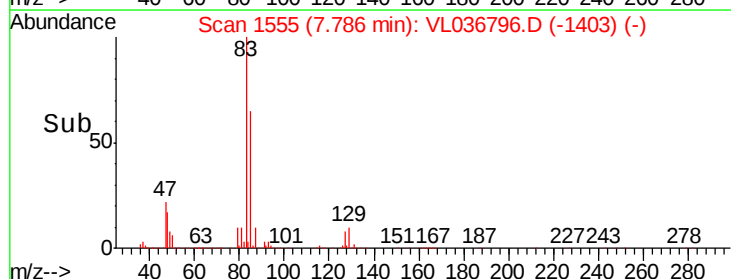
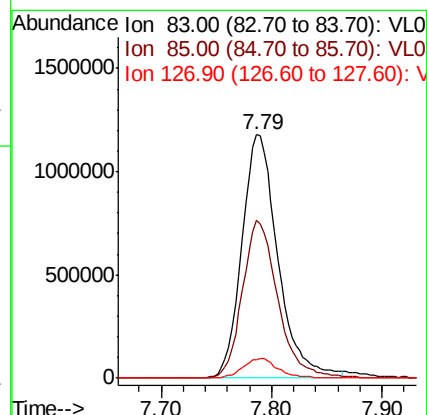
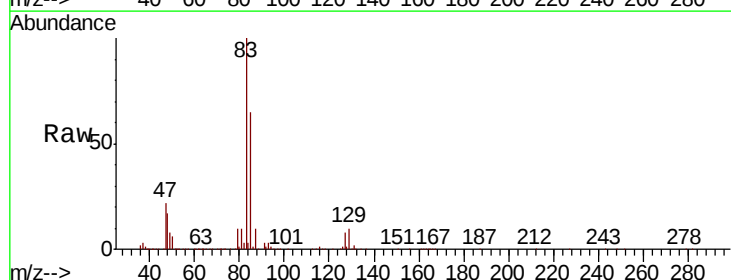
#41
Tetrahydrofuran
Concen: 9.308 ppbv
RT: 6.04
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2021 9:27

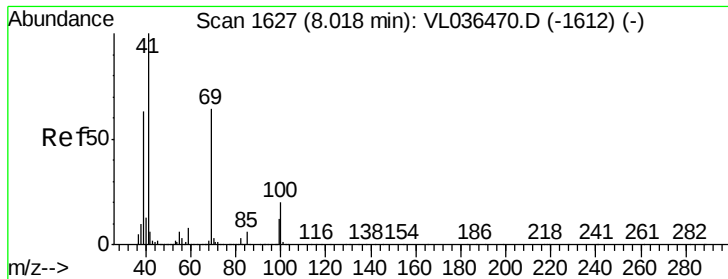
Tot Ion: 42 Resp: 776420
Ion Ratio Lower Upper
42 100
72 39.2 27.6 41.4
71 37.4 27.0 40.4



#42
Bromodichloromethane
Concen: 9.756 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.01 min
Lab File: VL036796.D
Acq: 13 Apr 2021 9:27

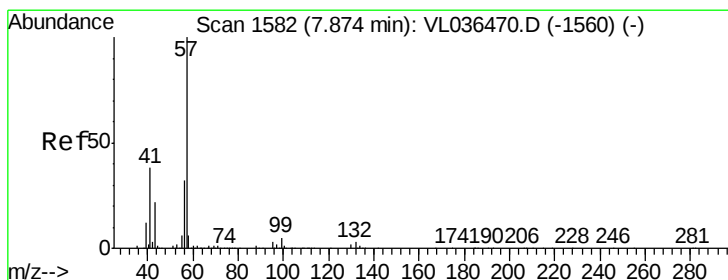
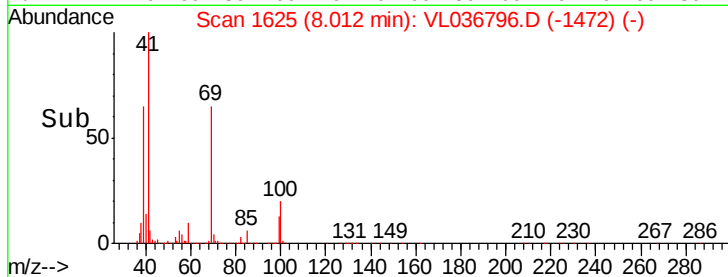
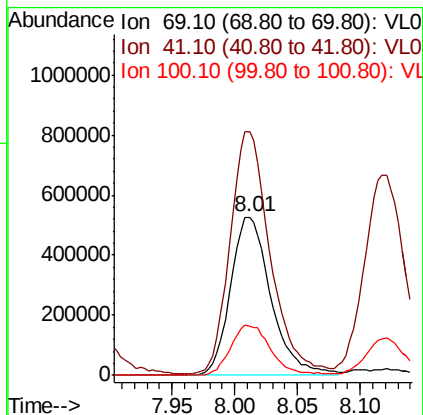
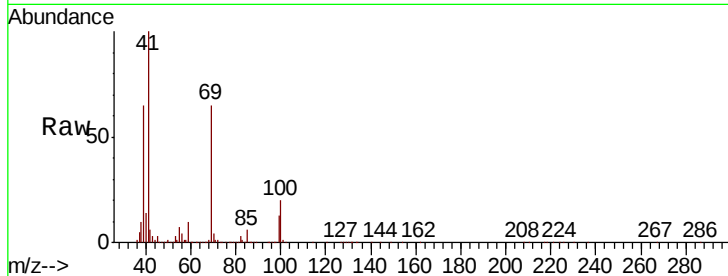
Tgt Ion: 83 Resp: 2669505
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6
127 7.7 5.8 8.8





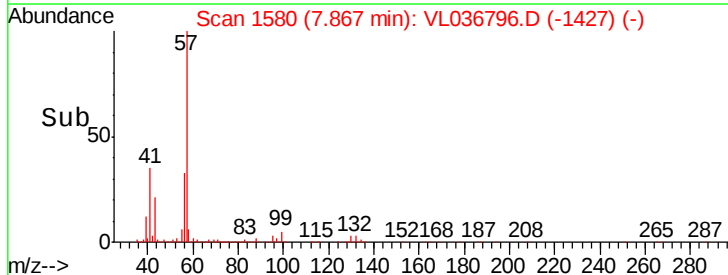
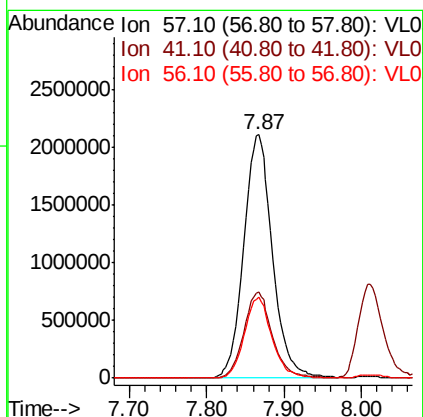
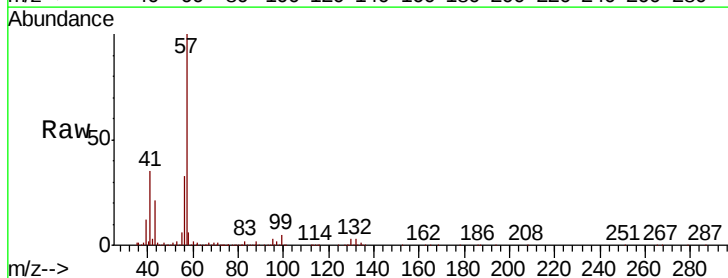
#43
Methyl Methacrylate
Concen: 10.269 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 9:27

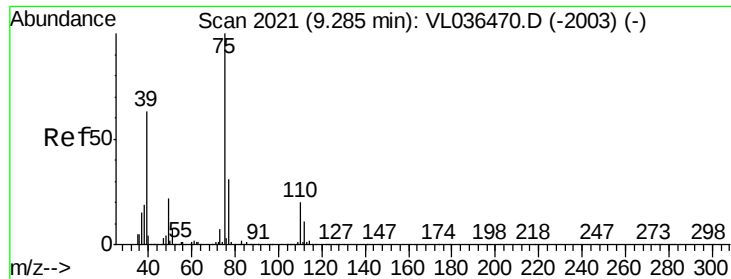
Tot Ion: 69 Resp: 1178580
Ion Ratio Lower Upper
69 100
41 153.4 126.8 190.2
100 32.1 24.9 37.3



#44
2,2,4-Trimethylpentane
Concen: 9.087 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL036796.D
Acq: 13 Apr 2021 9:27

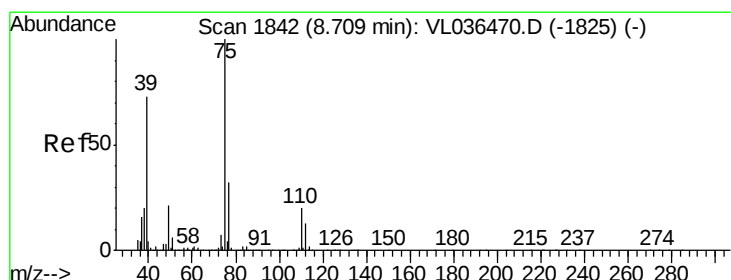
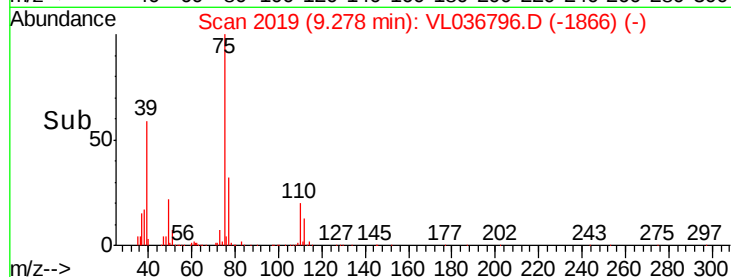
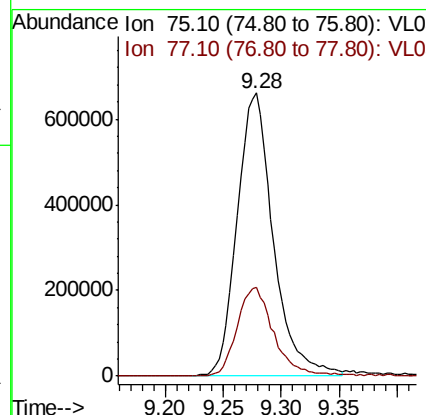
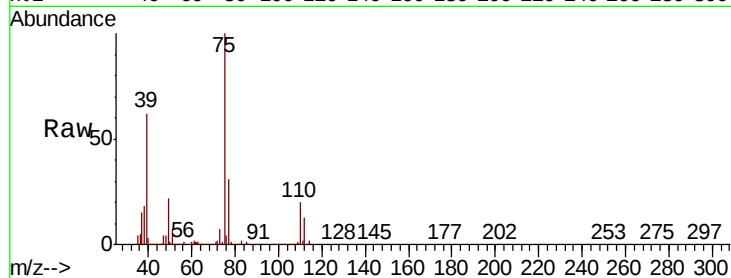
Tgt Ion: 57 Resp: 5466476
Ion Ratio Lower Upper
57 100
41 34.7 28.8 43.2
56 32.1 26.1 39.1





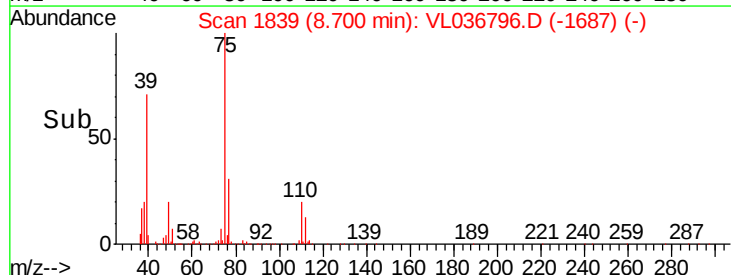
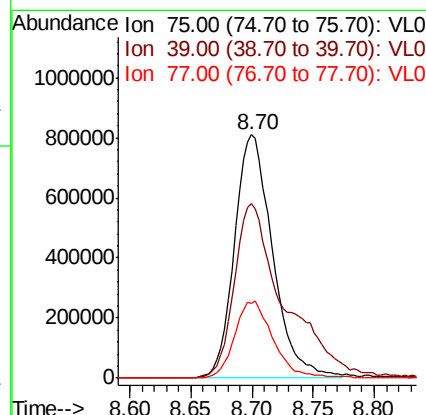
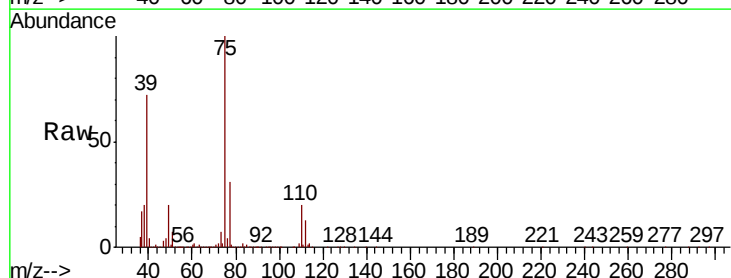
#45
 t-1,3-Dichloropropene
 Concen: 10.857 ppbv
 RT: 9.28 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 9:27

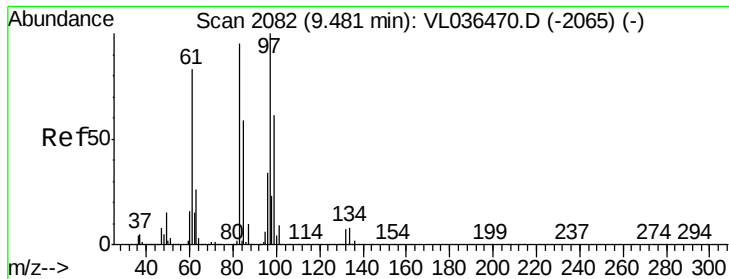
Tot Ion: 75 Resp: 1422880
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.1 37.7



#46
 cis-1,3-Dichloropropene
 Concen: 10.509 ppbv
 RT: 8.70 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

Tgt Ion: 75 Resp: 1760486
 Ion Ratio Lower Upper
 75 100
 39 71.5 58.2 87.2
 77 30.9 25.2 37.8





#47

1,1,2-Trichloroethane

Concen: 9.302 ppbv

RT: 9.47 Instrument:

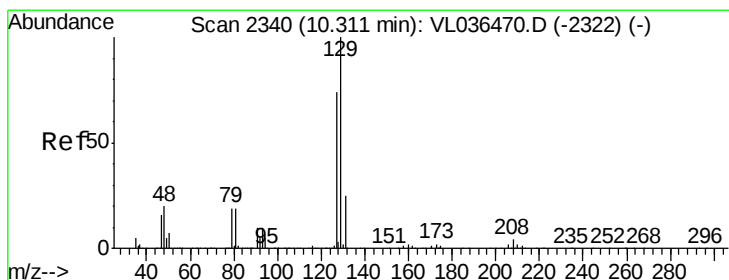
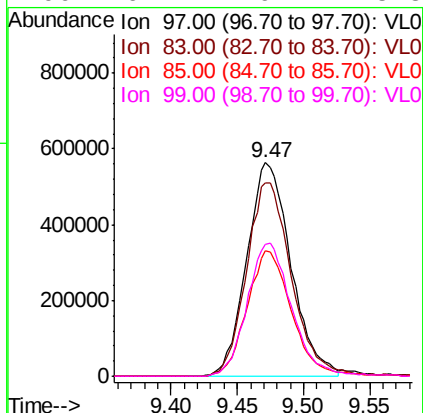
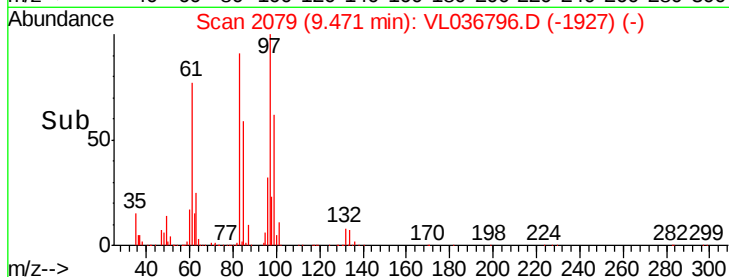
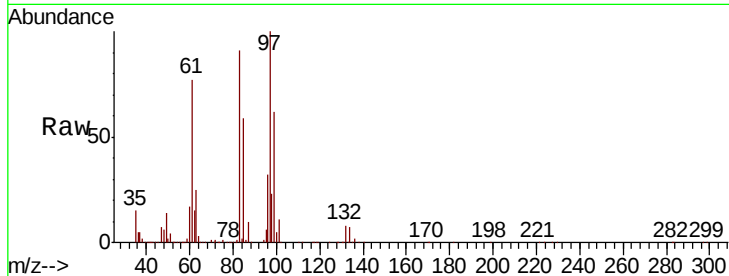
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 9:27

Tot Ion: 97 Resp: 1306335

Ion	Ratio	Lower	Upper
97	100		
83	90.6	75.8	113.8
85	58.8	47.1	70.7
99	61.7	49.2	73.8



#48

Dibromochloromethane

Concen: 10.285 ppbv

RT: 10.30 min Scan# 2338

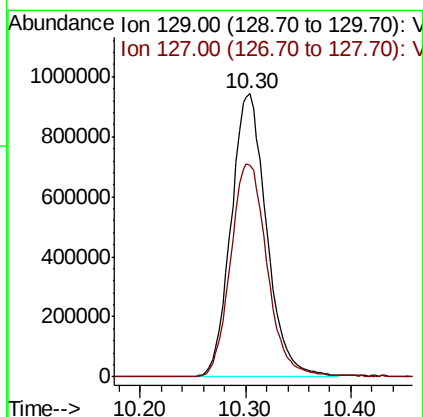
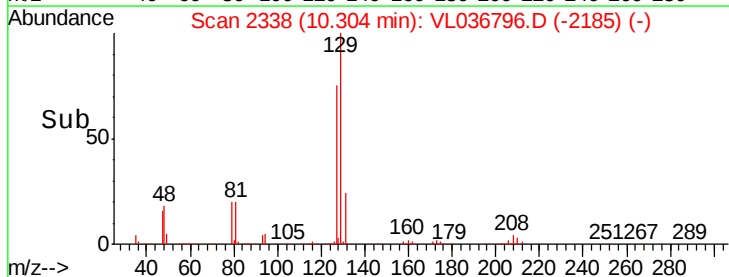
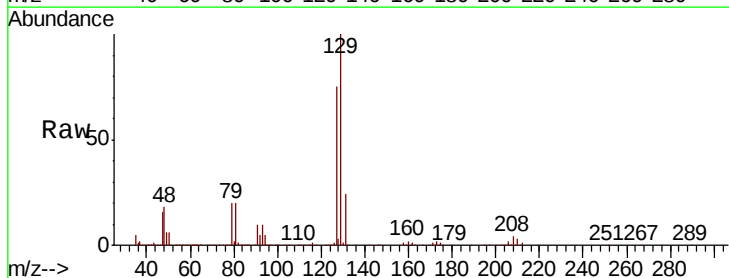
Delta R.T. -0.01 min

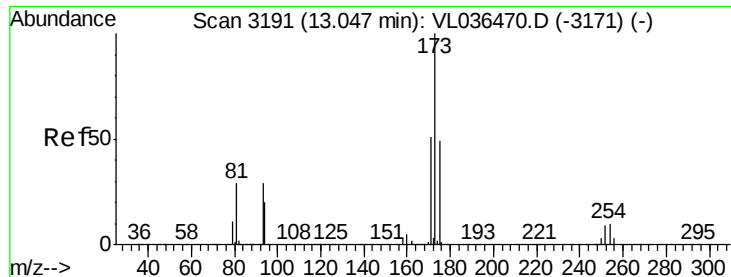
Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

Tgt Ion: 129 Resp: 2201846

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.6	118.8





#49

Bromoform

Concen: 10.279 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 13 Apr 2021 9:27

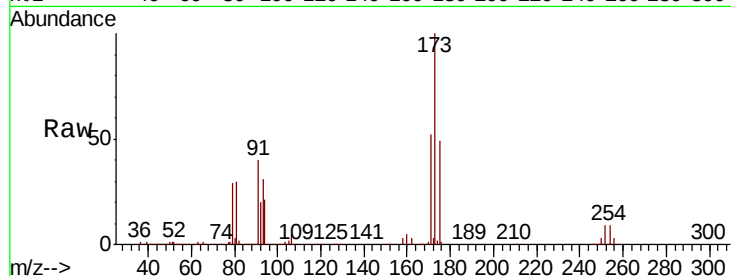
Tot Ion:173 Resp: 1773124

Ion Ratio Lower Upper

173 100

175 50.8 39.6 59.4

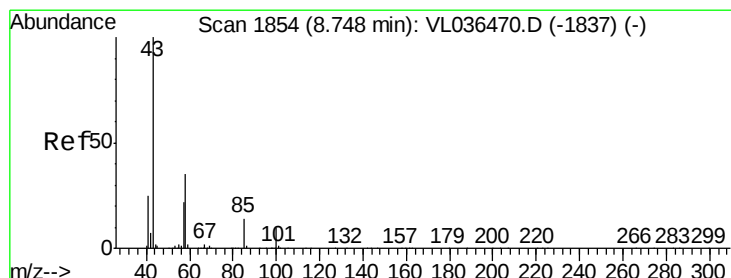
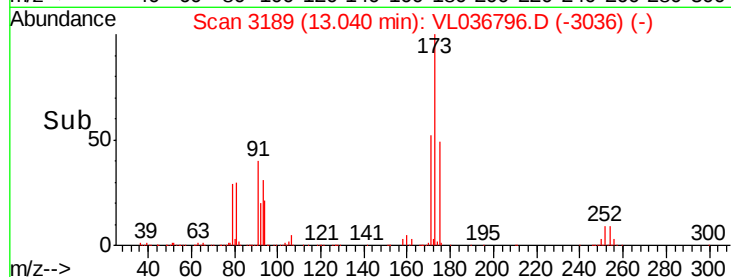
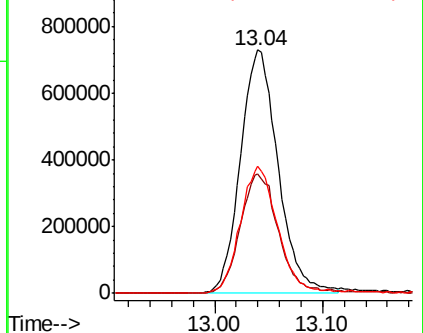
171 52.3 41.4 62.0



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: 9.503 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL036796.D

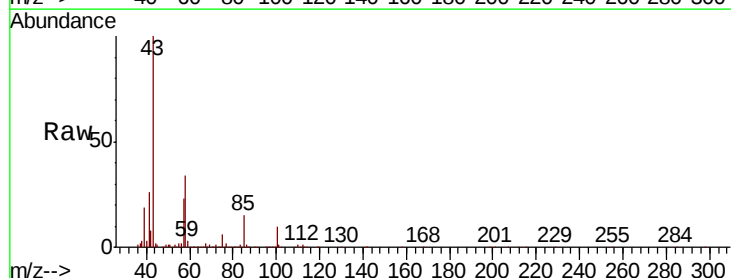
Acq: 13 Apr 2021 9:27

Tgt Ion: 43 Resp: 2487497

Ion Ratio Lower Upper

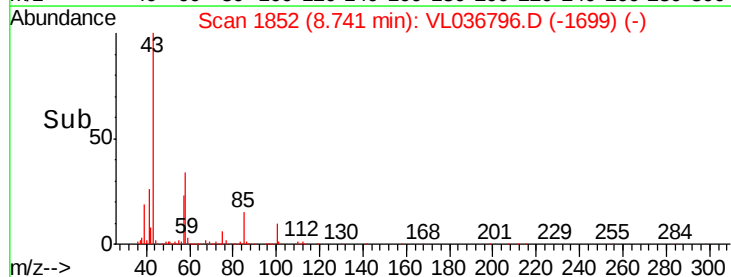
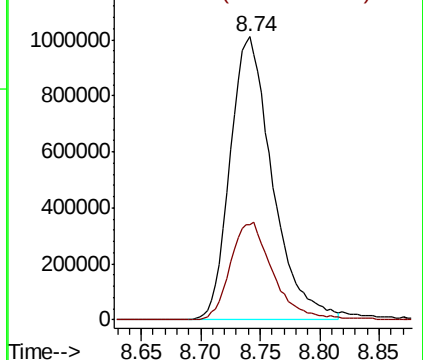
43 100

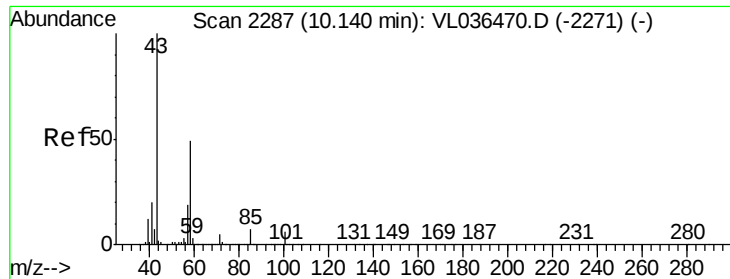
58 35.3 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

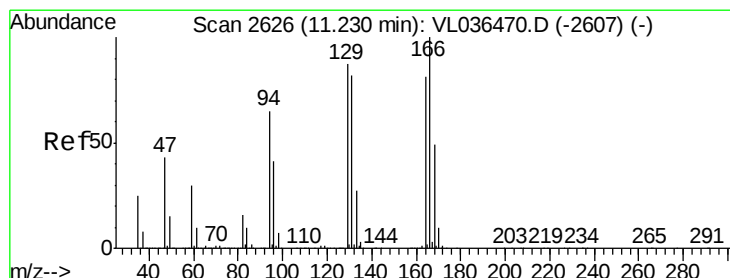
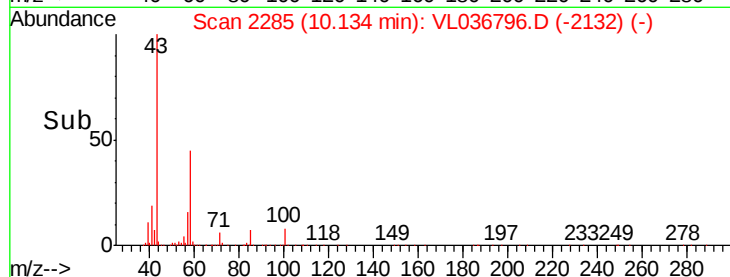
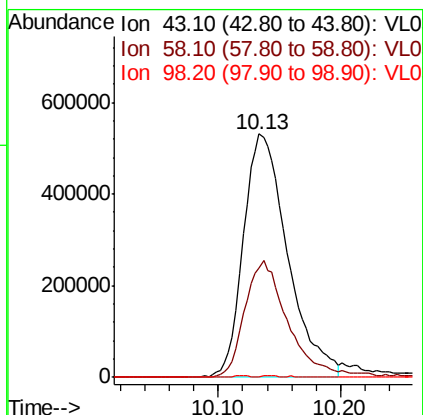
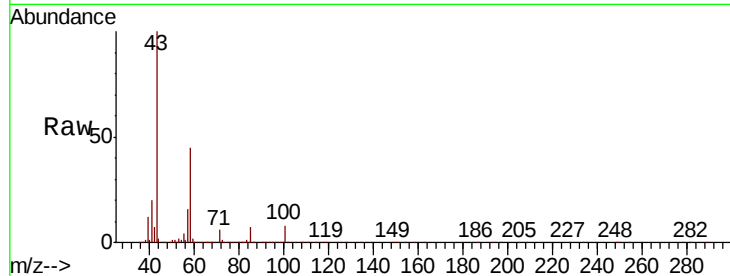
Ion 58.10 (57.80 to 58.80): VL0





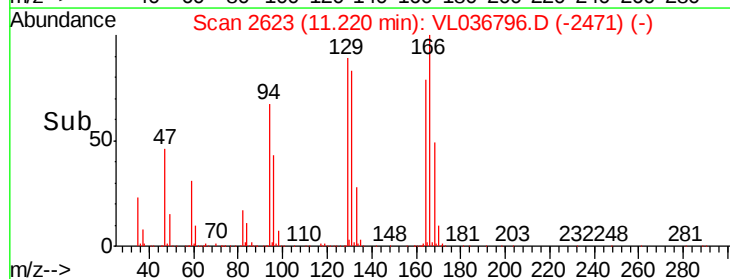
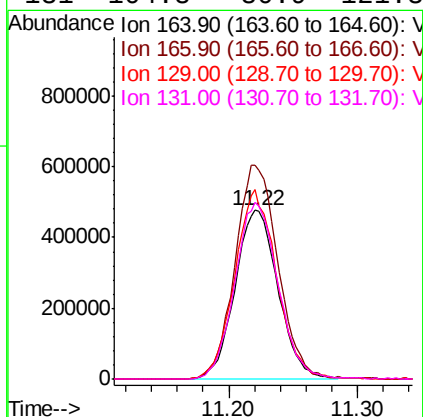
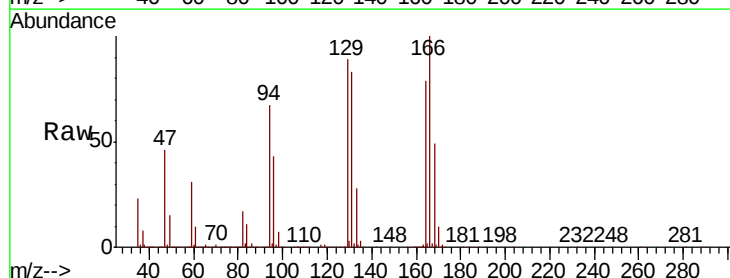
#51
2-Hexanone
Concen: 10.059 ppbv
RT: 10.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 9:27

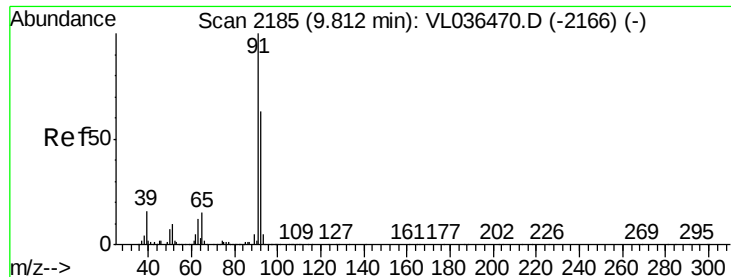
Tot Ion: 43 Resp: 1328813
Ion Ratio Lower Upper
43 100
58 47.5 37.7 56.5
98 0.5 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.691 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL036796.D
Acq: 13 Apr 2021 9:27

Tgt Ion: 164 Resp: 1093865
Ion Ratio Lower Upper
164 100
166 126.5 98.3 147.5
129 112.2 85.8 128.8
131 104.8 80.9 121.3





#53

Toluene

Concen: 9.979 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

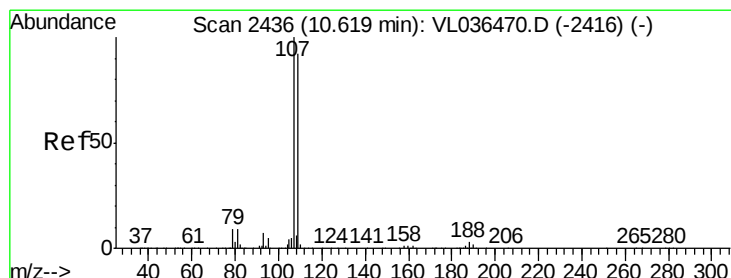
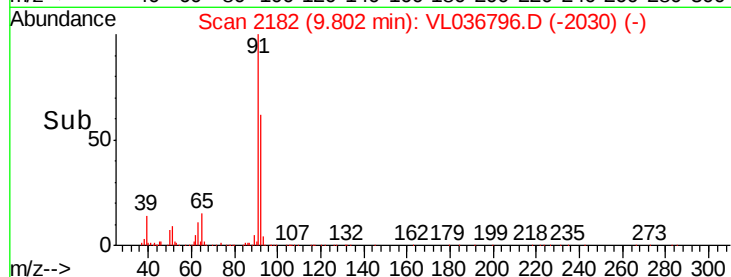
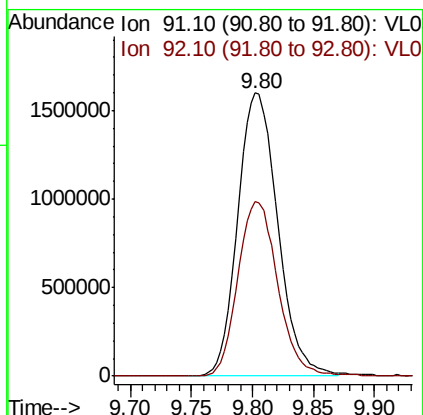
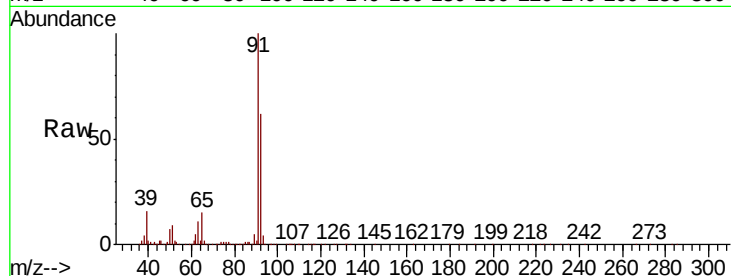
Acq: 13 Apr 2021 9:27

Tot Ion: 91 Resp: 3632310

Ion Ratio Lower Upper

91 100

92 61.7 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.642 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL036796.D

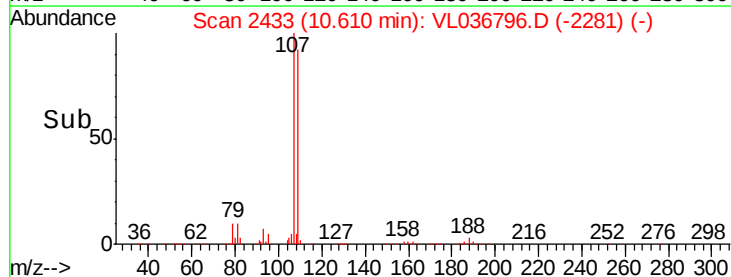
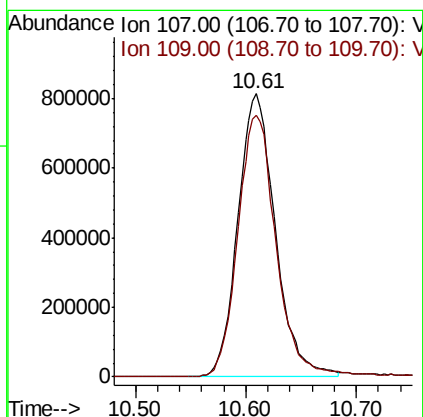
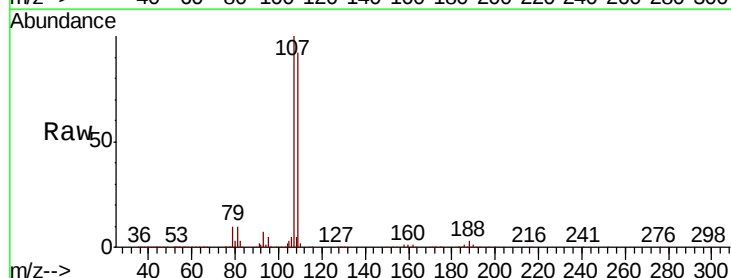
Acq: 13 Apr 2021 9:27

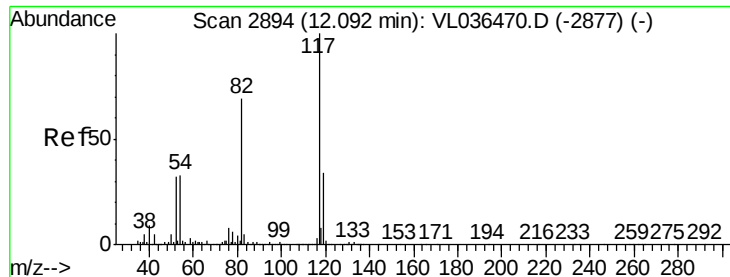
Tgt Ion: 107 Resp: 1912208

Ion Ratio Lower Upper

107 100

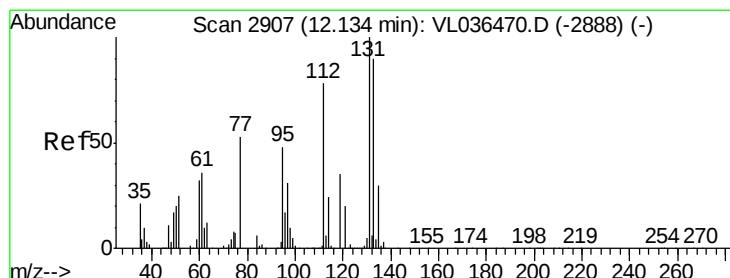
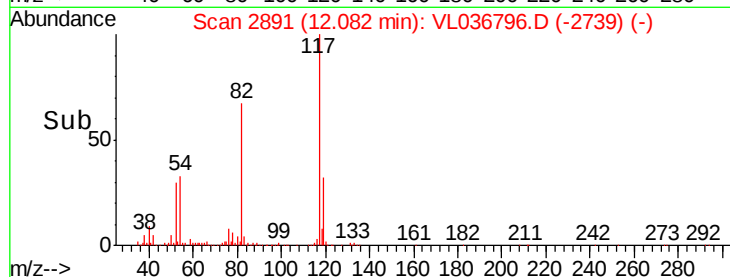
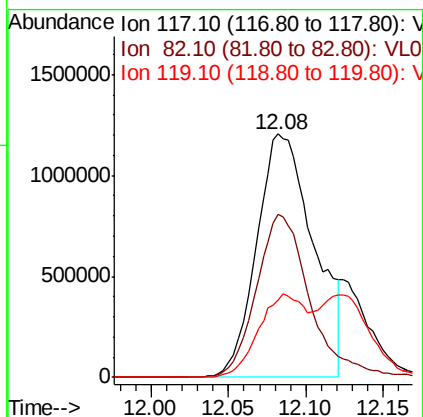
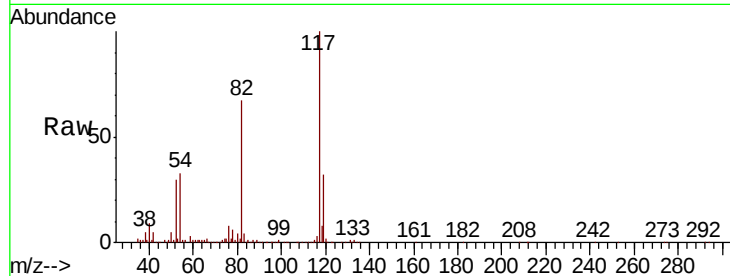
109 92.3 73.9 110.9





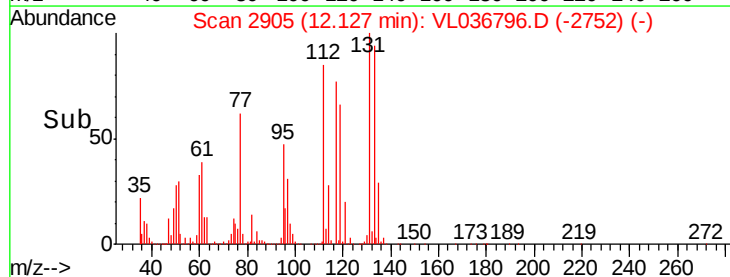
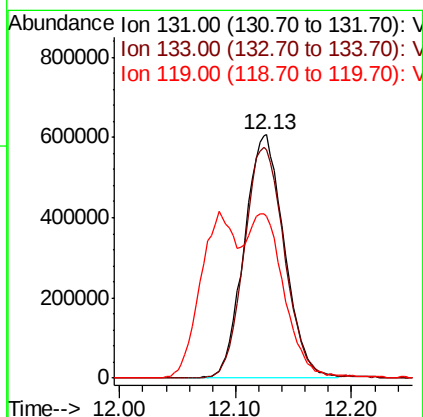
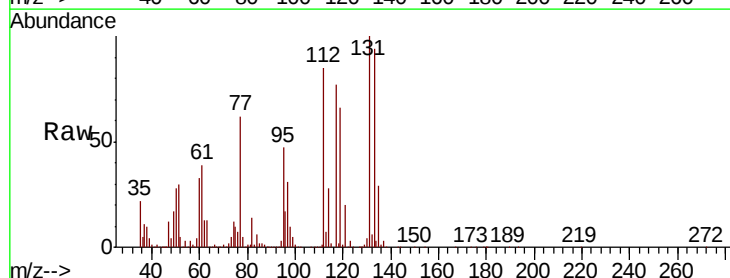
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 9:27

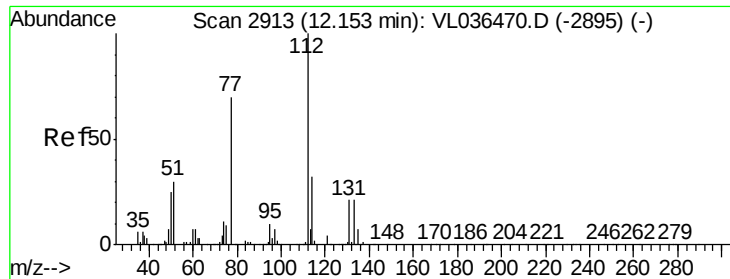
Tot Ion:117 Resp: 3099253
 Ion Ratio Lower Upper
 117 100
 82 63.5 57.4 86.0
 119 27.4 47.4 71.0#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 10.381 ppbv
 RT: 12.13 min Scan# 2905
 Delta R.T. -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

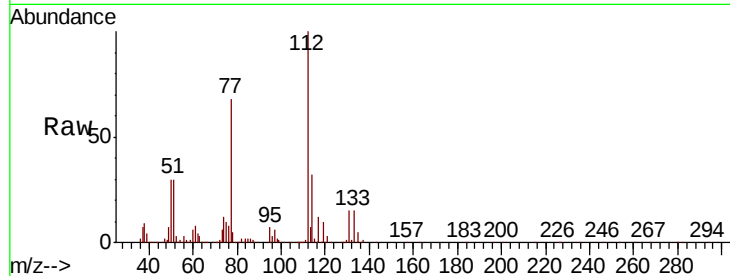
Tgt Ion:131 Resp: 1455230
 Ion Ratio Lower Upper
 131 100
 133 96.4 75.8 113.6
 119 59.0 48.7 73.1



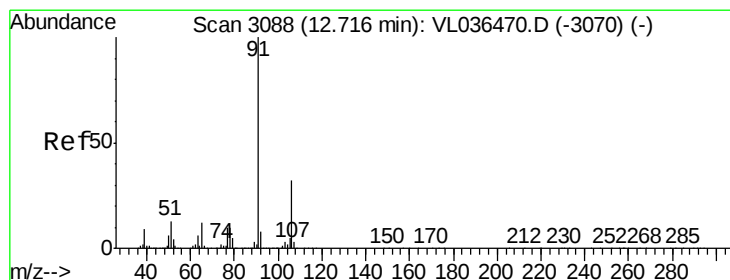
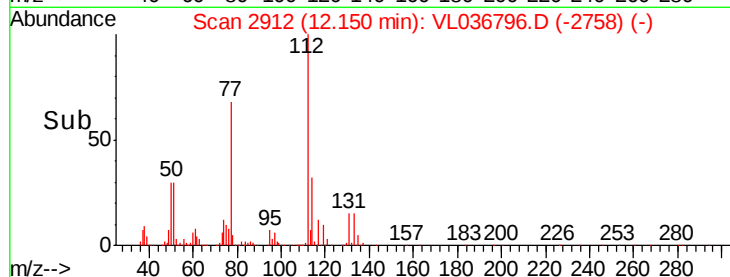
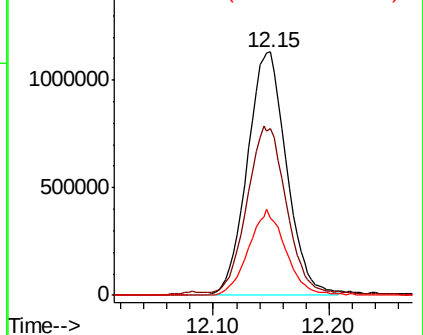


#57
Chlorobenzene
Concen: 10.120 ppbv
RT: 12.15 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2021 9:27

Tot Ion: 112 Resp: 2668701
Ion Ratio Lower Upper
112 100
77 67.1 56.0 84.0
114 32.0 29.0 35.4

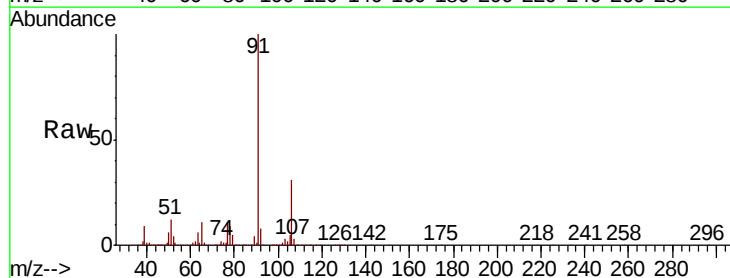


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

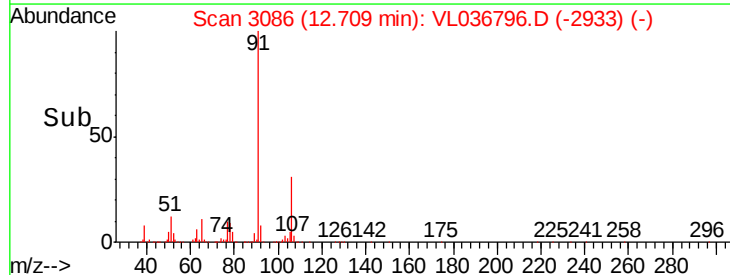
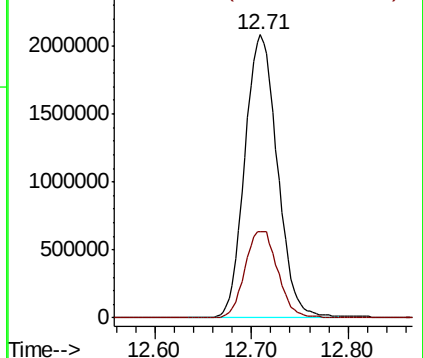


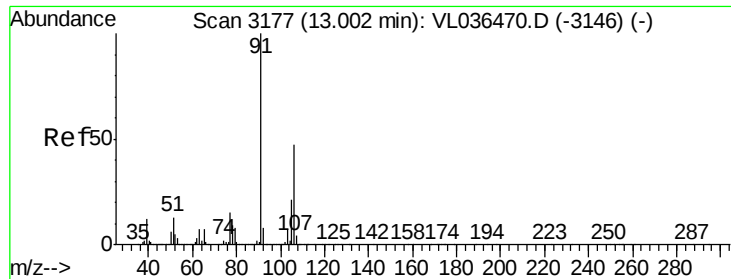
#58
Ethyl Benzene
Concen: 10.820 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL036796.D
Acq: 13 Apr 2021 9:27

Tgt Ion: 91 Resp: 4878525
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9



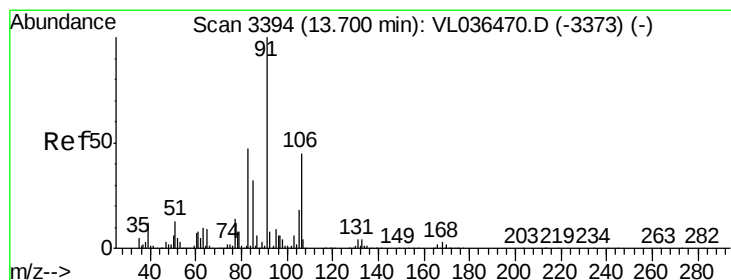
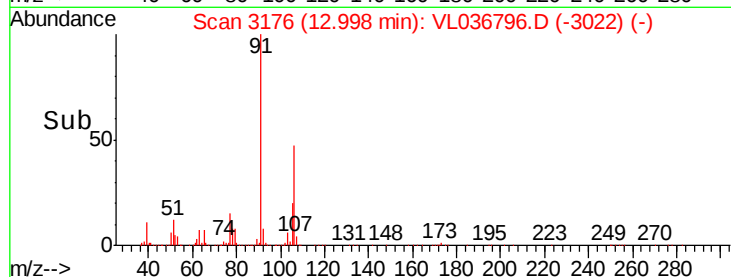
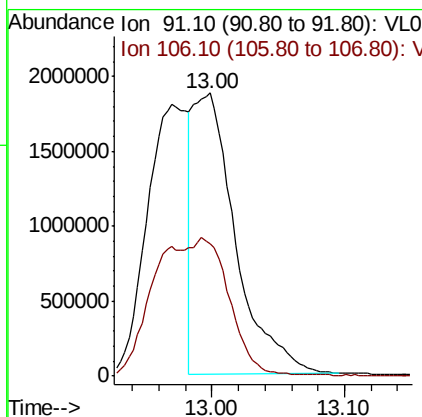
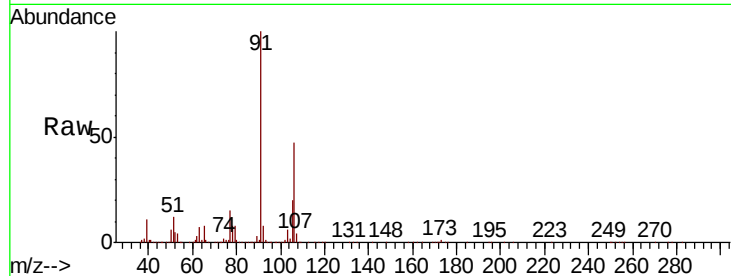
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





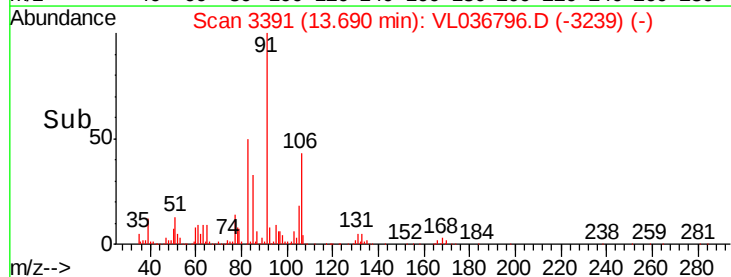
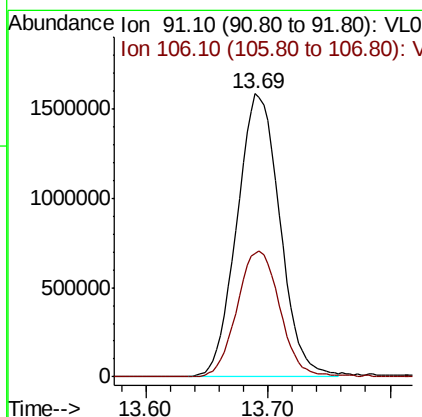
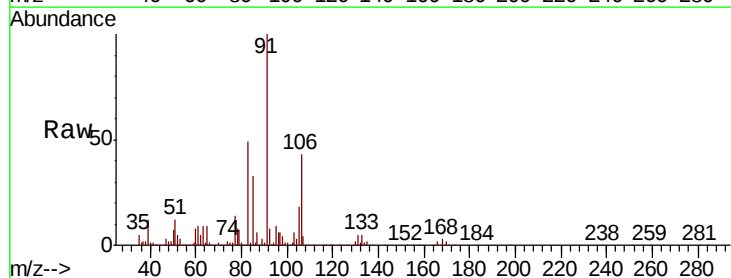
#59
m/p-Xylene
Concen: 10.589 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 9:27

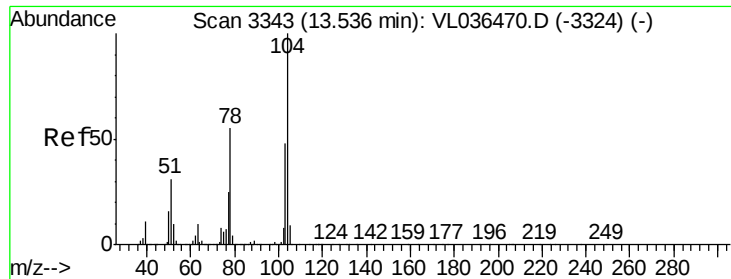
Tot Ion: 91 Resp: 4164395
Ion Ratio Lower Upper
91 100
106 87.9 35.3 52.9#



#60
o-Xylene
Concen: 10.103 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL036796.D
Acq: 13 Apr 2021 9:27

Tgt Ion: 91 Resp: 3841992
Ion Ratio Lower Upper
91 100
106 45.1 22.3 66.9





#61

Stvrene

Concen: 11.832 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 9:27

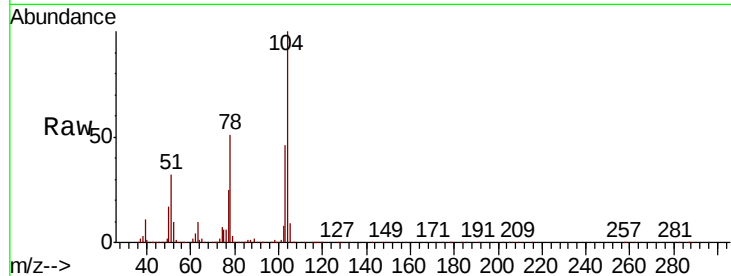
Tot Ion:104 Resp: 2263539

Ion Ratio Lower Upper

104 100

78 53.9 43.8 65.8

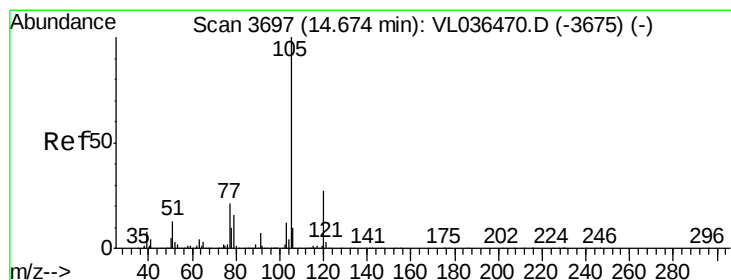
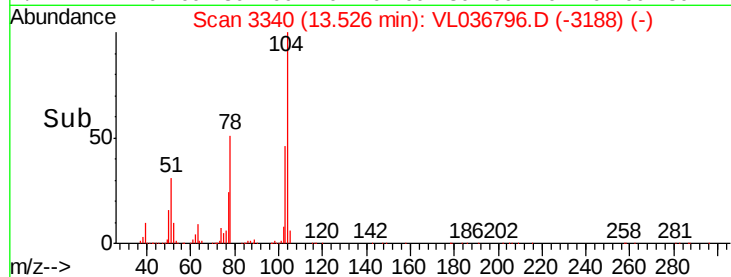
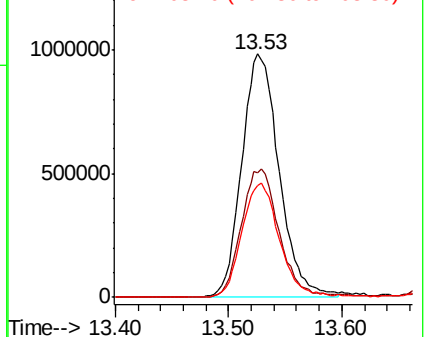
103 47.5 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.227 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL036796.D

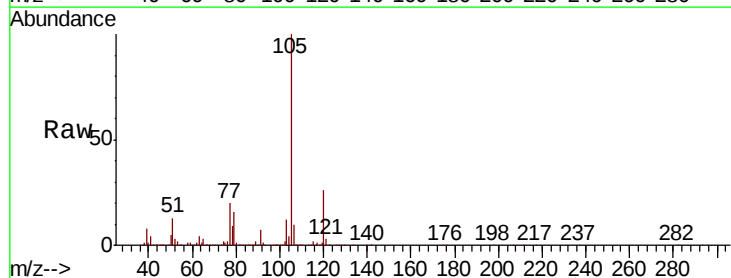
Acq: 13 Apr 2021 9:27

Tgt Ion:105 Resp: 5237049

Ion Ratio Lower Upper

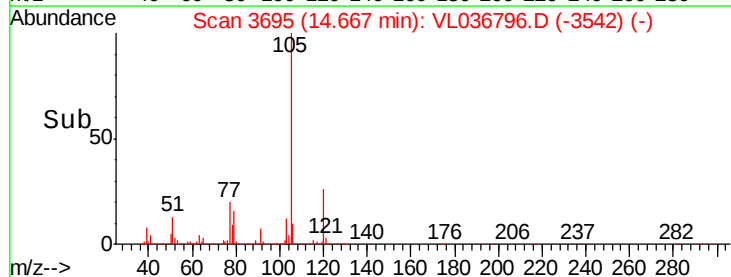
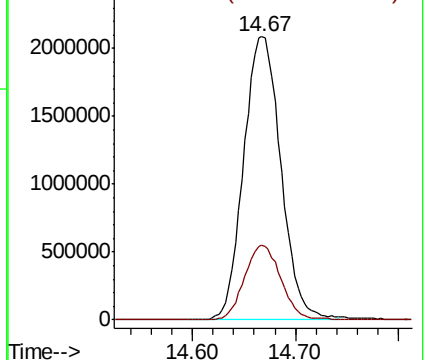
105 100

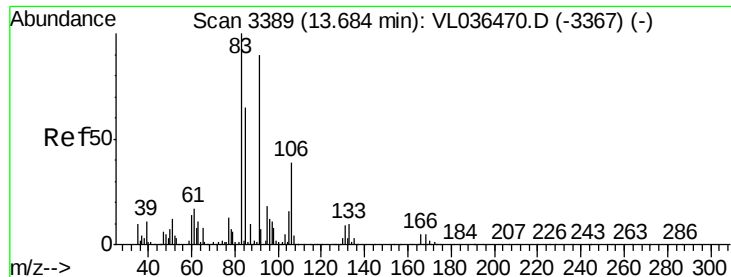
120 26.0 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

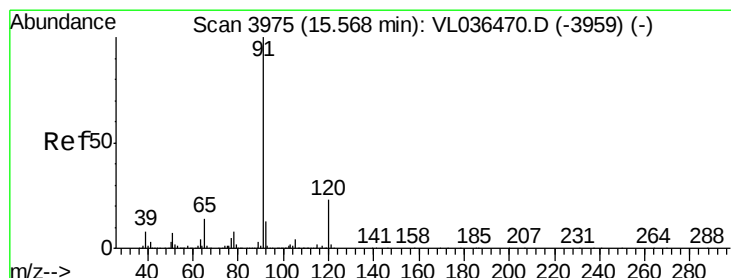
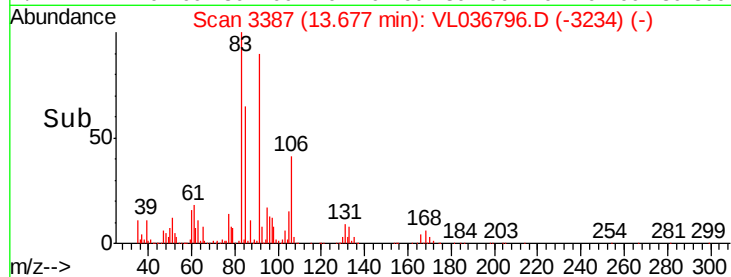
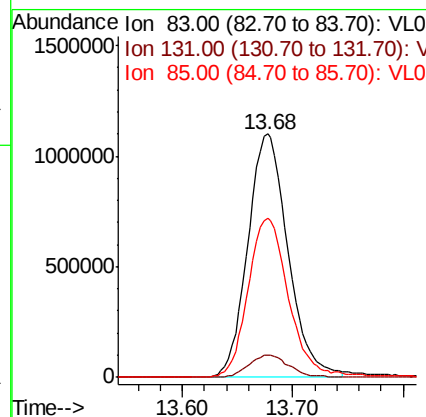
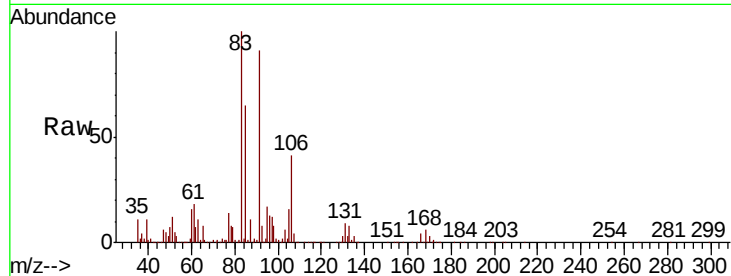
Ion 120.20 (119.90 to 120.90): V





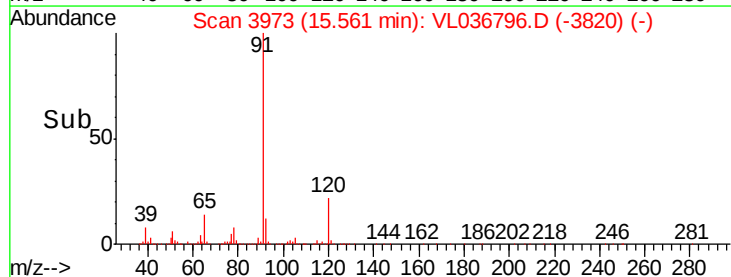
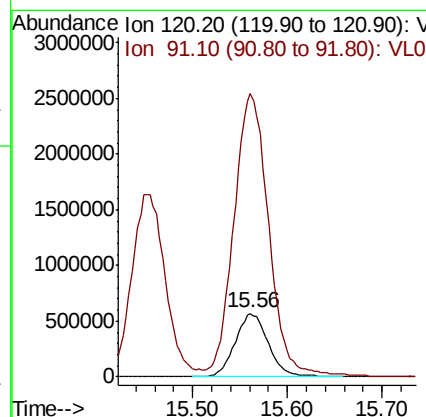
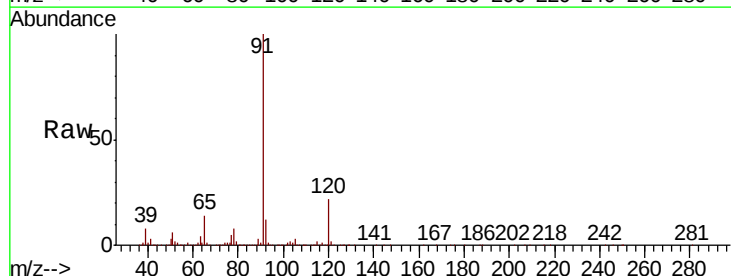
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.559 ppbv
 RT: 13.68 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 9:27

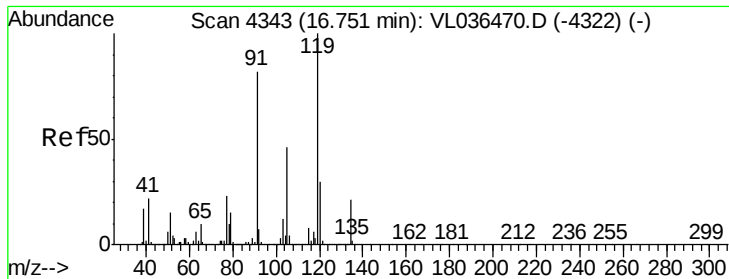
Tot Ion: 83 Resp: 2772954
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.7 14.0
 85 67.3 33.1 99.3



#64
 n-propylbenzene
 Concen: 11.078 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T.: -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

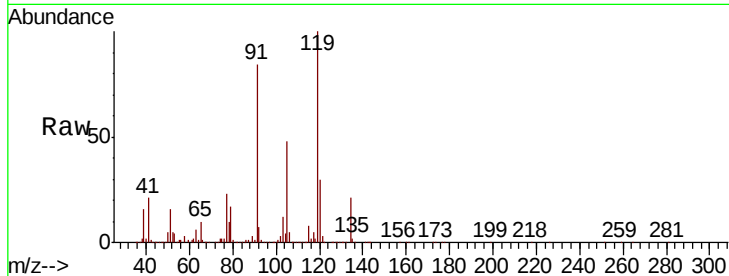
Tgt Ion: 120 Resp: 1387051
 Ion Ratio Lower Upper
 120 100
 91 470.0 377.4 566.2



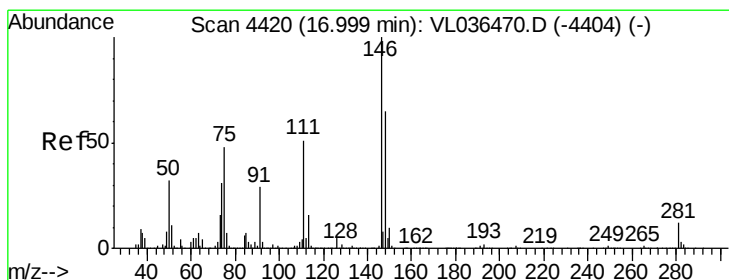
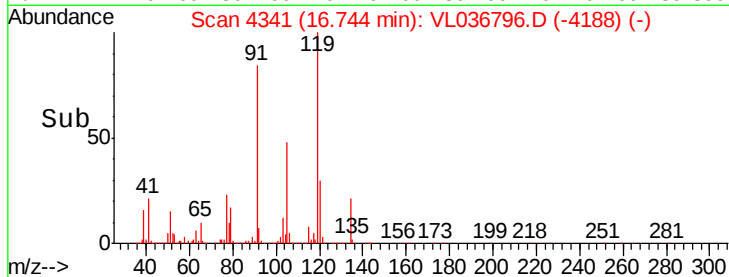
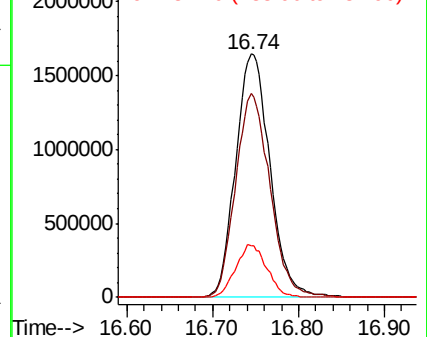


#65
 tert-Butylbenzene
 Concen: 10.257 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 9:27

Tot Ion: 119 Resp: 4554648
 Ion Ratio Lower Upper
 119 100
 91 84.2 67.5 101.3
 134 19.9 15.8 23.8

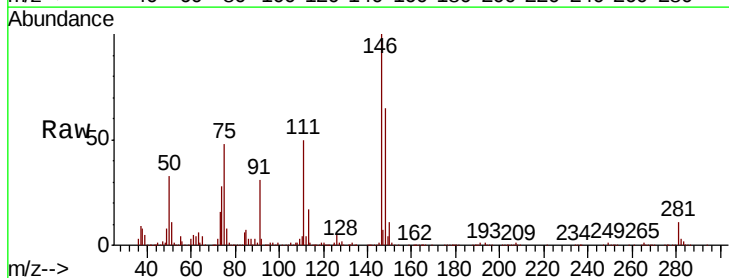


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

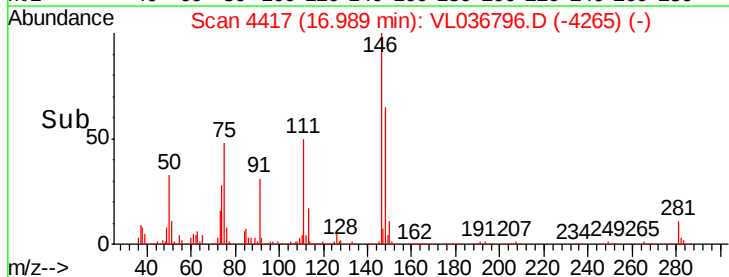
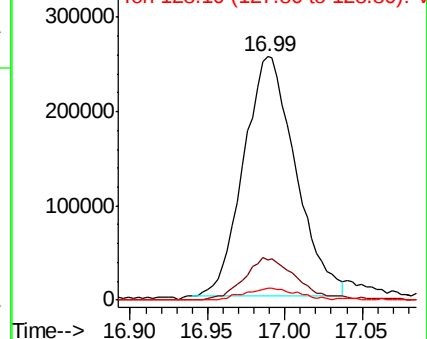


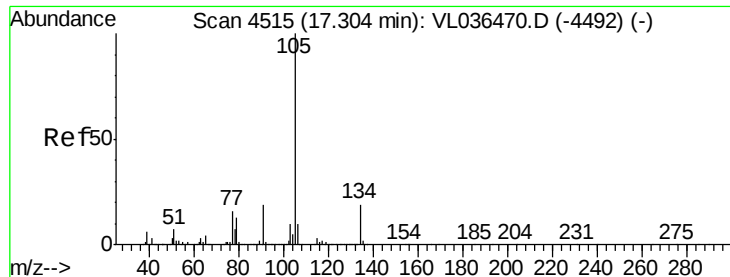
#66
 Benzyl Chloride
 Concen: 12.126 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T.: -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

Tgt Ion: 91 Resp: 595176
 Ion Ratio Lower Upper
 91 100
 126 18.6 13.5 20.3
 128 5.8 4.2 6.4



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: 10.234 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

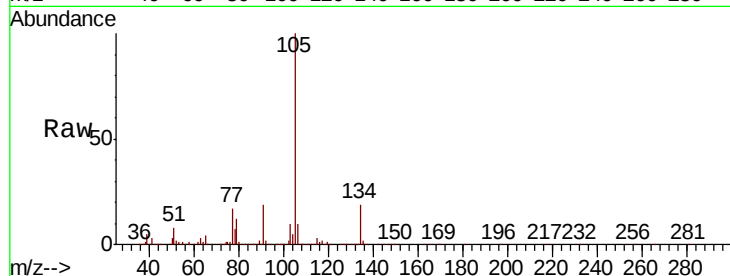
Acq: 13 Apr 2021 9:27

Tot Ion: 105 Resp: 6414762

Ion Ratio Lower Upper

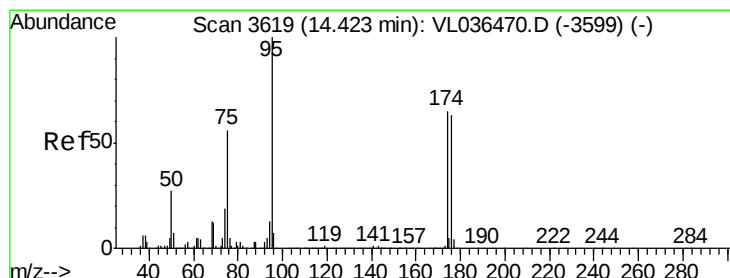
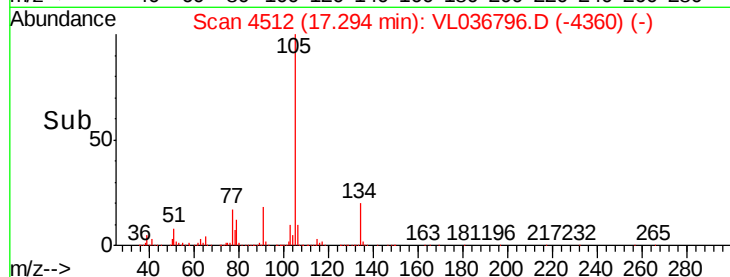
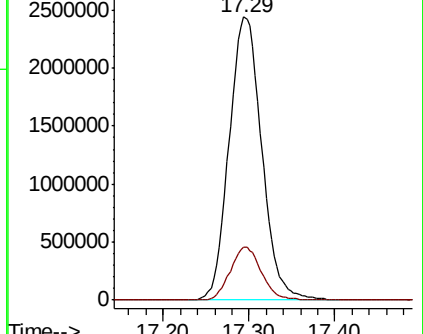
105 100

134 18.1 14.7 22.1



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: 8.086 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

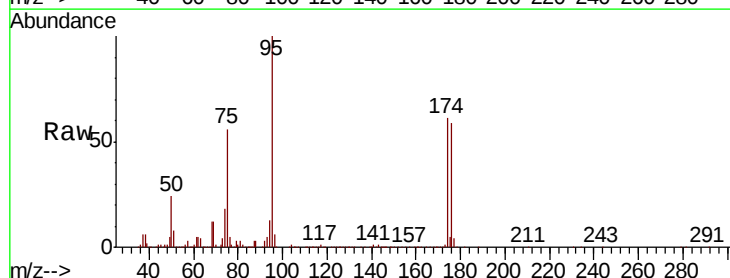
Tgt Ion: 95 Resp: 1997290

Ion Ratio Lower Upper

95 100

174 63.2 51.0 76.6

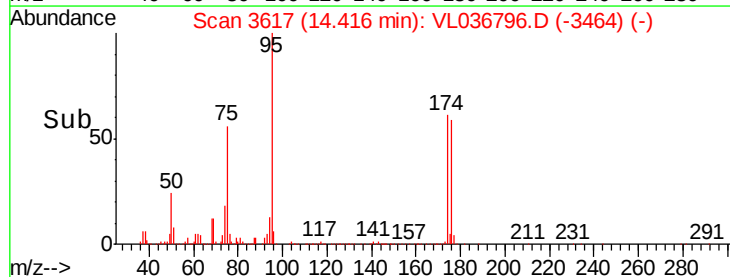
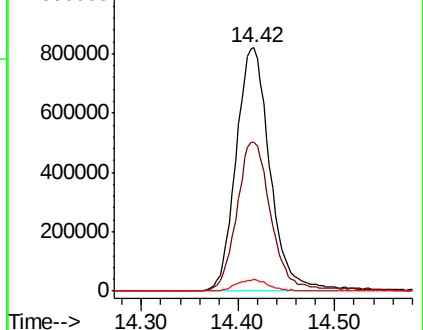
175 4.7 3.9 5.9

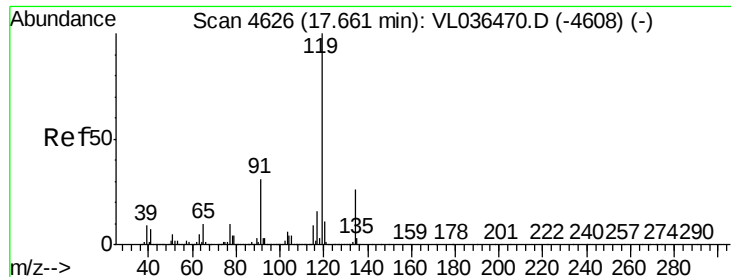


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 10.782 ppbv

RT: 17.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 9:27

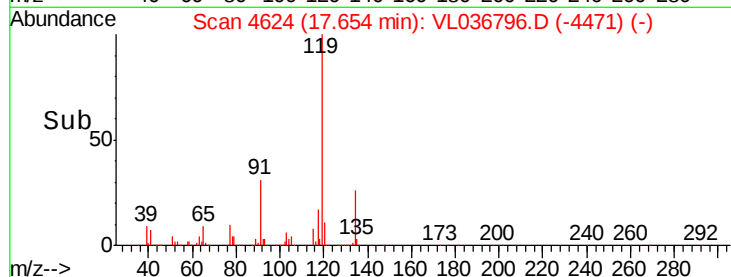
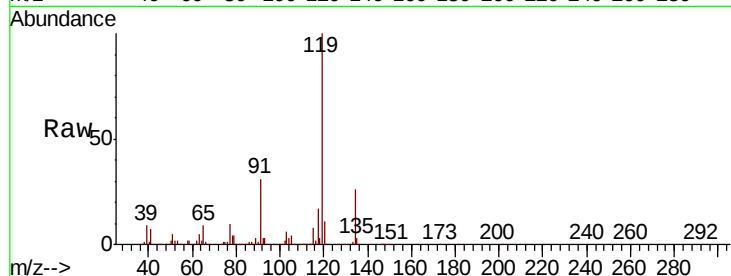
Tot Ion: 119 Resp: 5277343

Ion Ratio Lower Upper

119 100

134 25.7 20.6 30.8

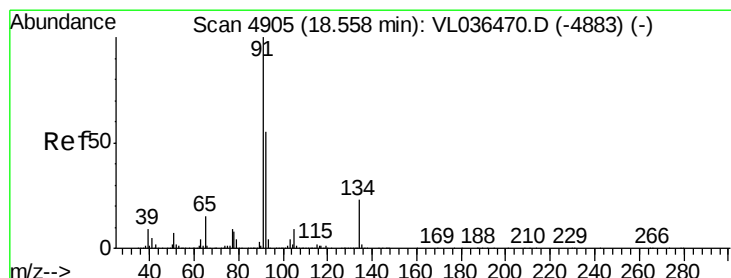
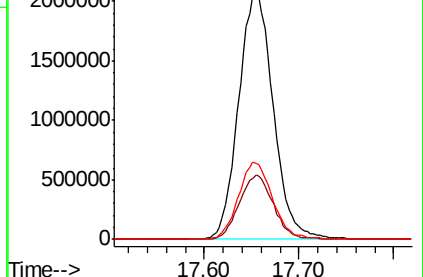
91 30.7 25.0 37.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.752 ppbv

RT: 18.55 min Scan# 4903

Delta R.T. -0.01 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

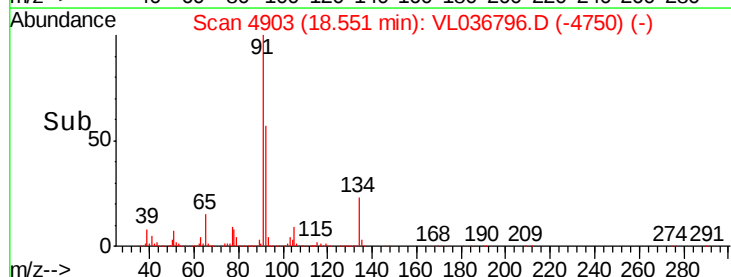
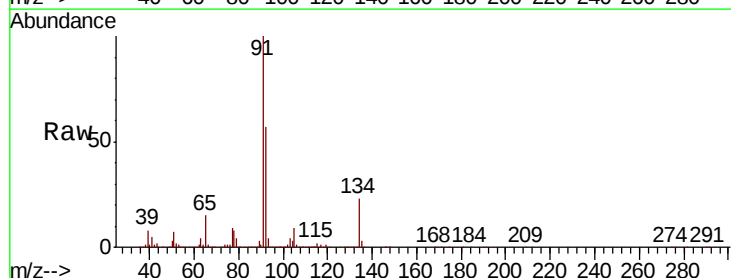
Tgt Ion: 91 Resp: 5456651

Ion Ratio Lower Upper

91 100

92 54.6 43.8 65.8

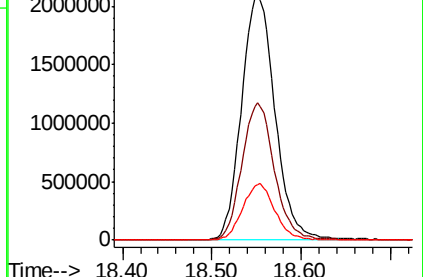
134 22.4 18.0 27.0

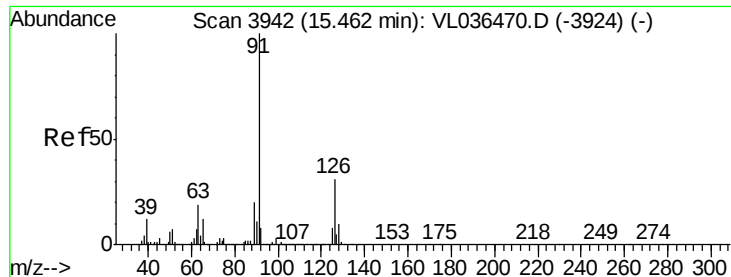


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

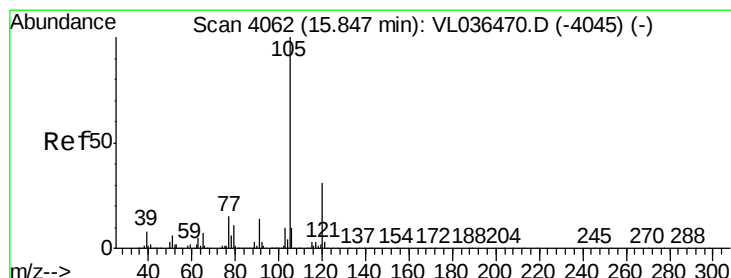
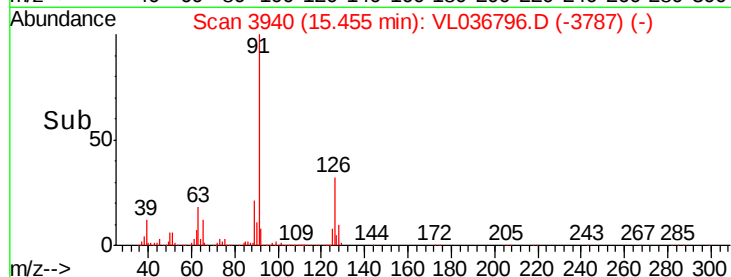
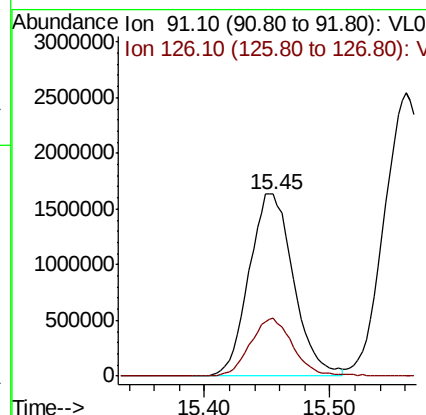
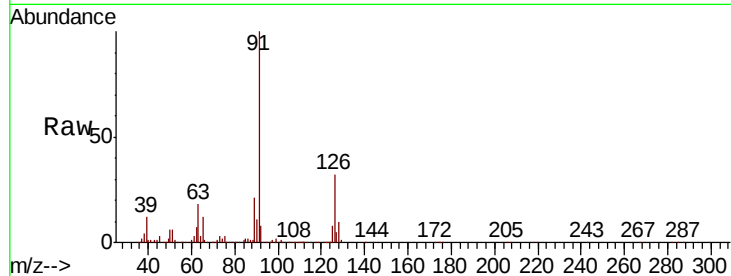
Ion 134.20 (133.90 to 134.90): V





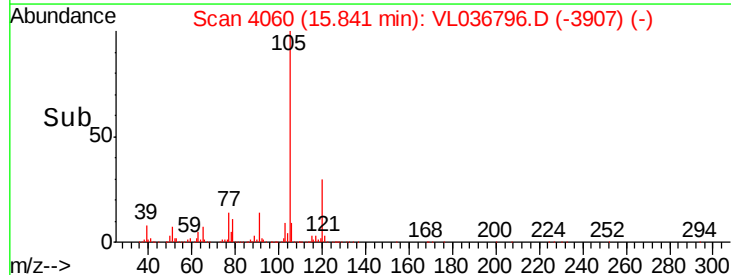
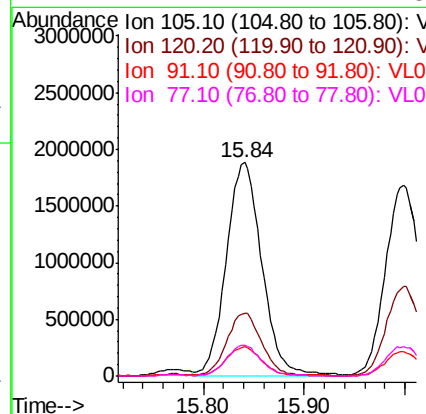
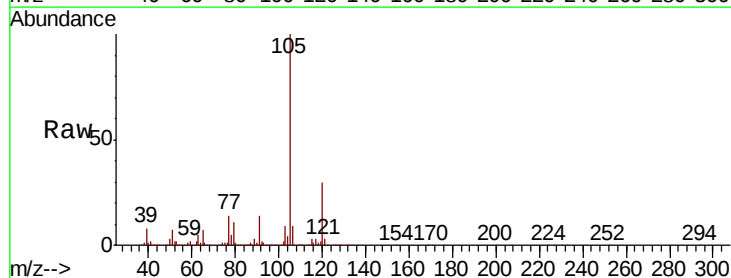
#71
 2-Chlorotoluene
 Concen: 10.504 ppbv
 RT: 15.45 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 9:27

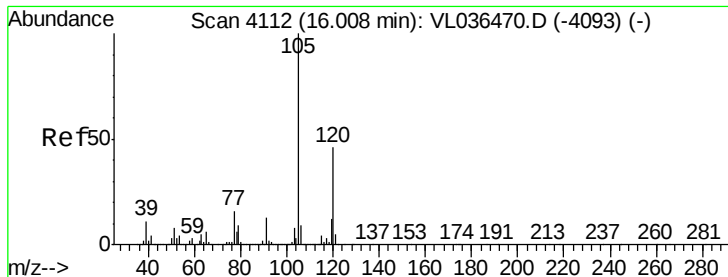
Tot Ion: 91 Resp: 4030530
 Ion Ratio Lower Upper
 91 100
 126 31.1 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 11.131 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T.: -0.01 min
 Lab File: VL036796.D
 Acq: 13 Apr 2021 9:27

Tgt Ion: 105 Resp: 4638156
 Ion Ratio Lower Upper
 105 100
 120 29.3 24.0 36.0
 91 13.2 11.0 16.4
 77 14.2 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 10.793 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

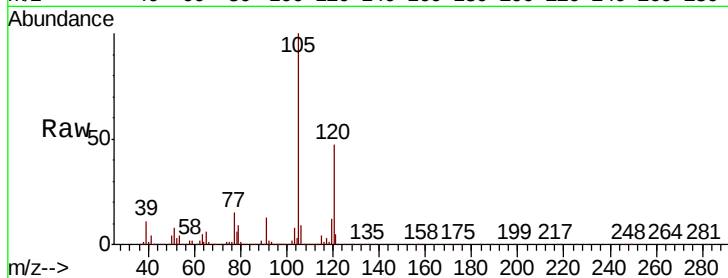
Acq: 13 Apr 2021 9:27

Tot Ion:105 Resp: 4197466

Ion Ratio Lower Upper

105 100

120 46.5 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

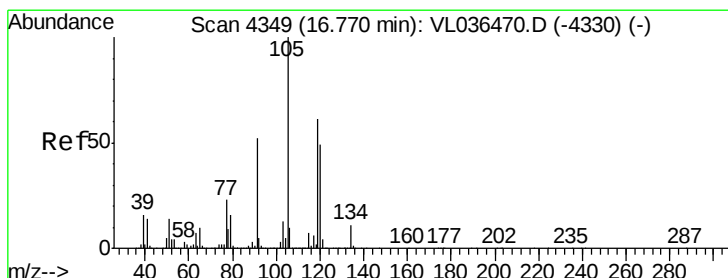
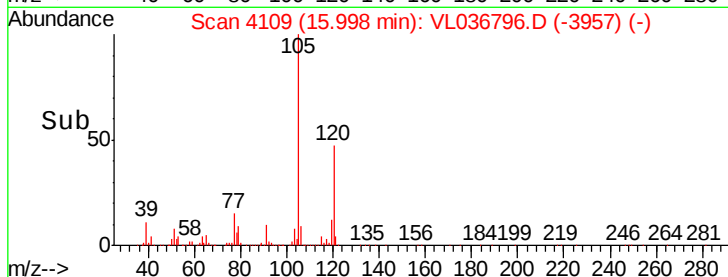
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.263 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.00 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

Tgt Ion:105 Resp: 4271223

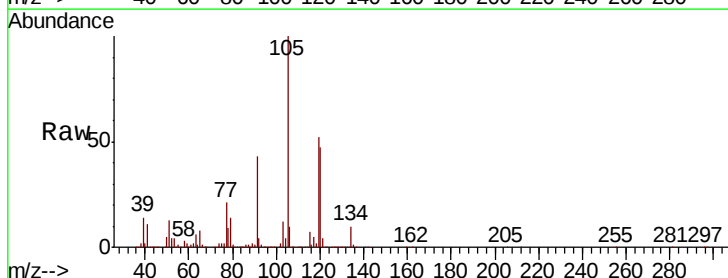
Ion Ratio Lower Upper

105 100

120 46.8 39.2 58.8

91 42.6 42.6 64.0#

77 21.0 18.6 28.0



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

2500000

2000000

1500000

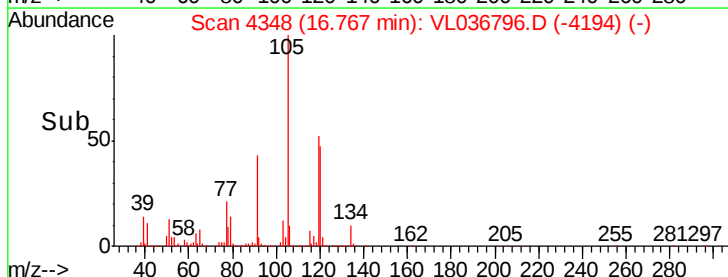
1000000

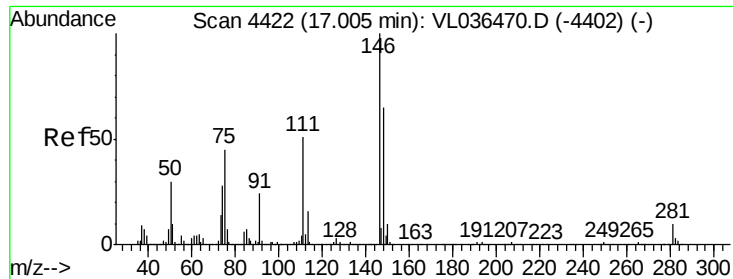
500000

0

16.70 16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 10.638 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 9:27

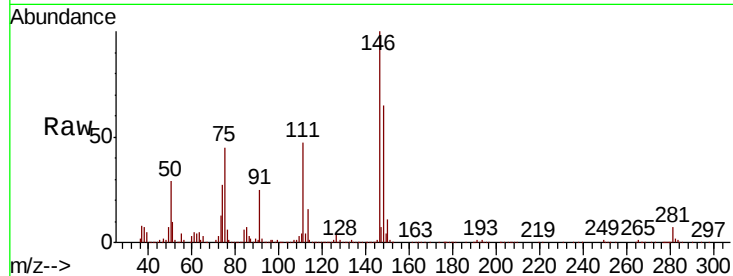
Tot Ion:146 Resp: 2491962

Ion Ratio Lower Upper

146 100

111 48.2 24.5 73.5

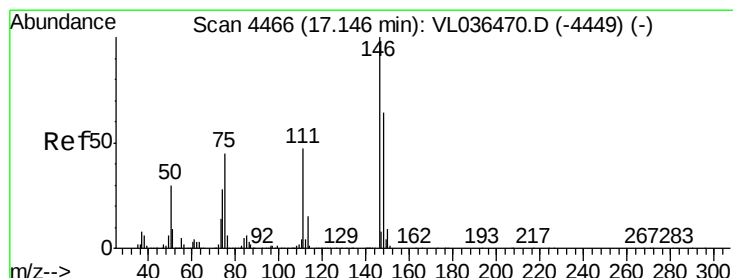
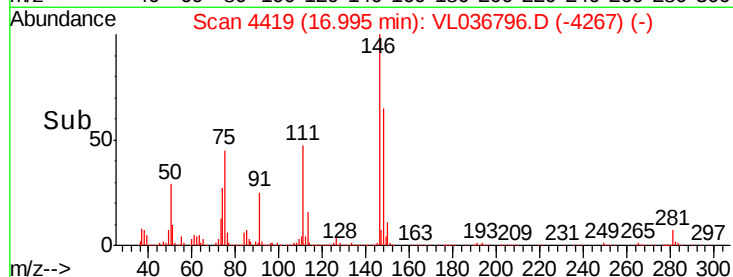
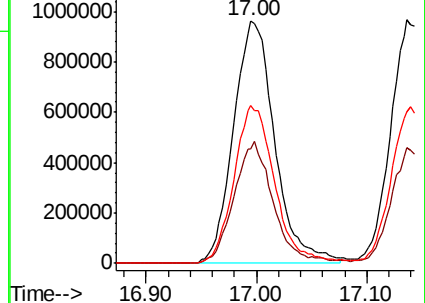
148 64.6 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 10.405 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.01 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

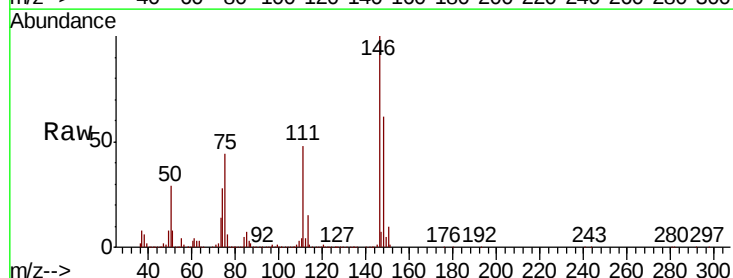
Tgt Ion:146 Resp: 2420099

Ion Ratio Lower Upper

146 100

111 47.8 24.3 72.8

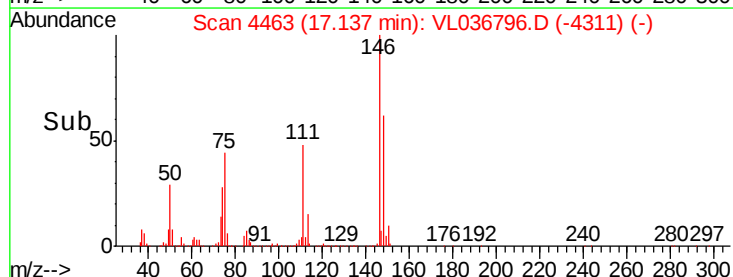
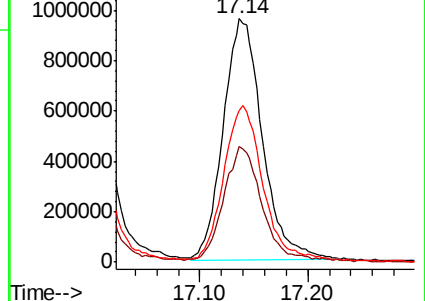
148 66.1 33.0 98.9

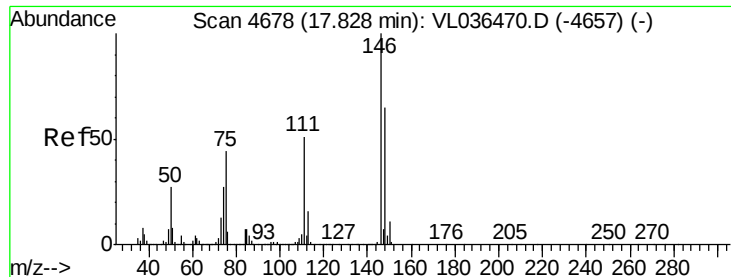


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 10.831 ppbv

RT: 17.82 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 9:27

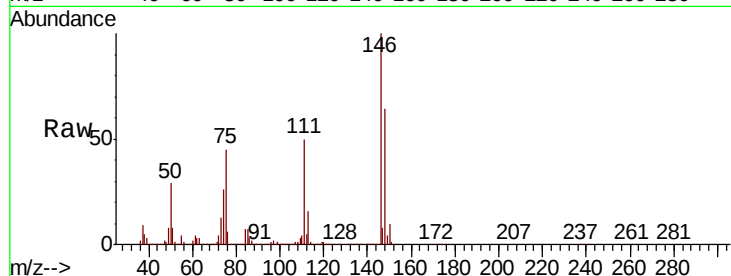
Tot Ion:146 Resp: 2384897

Ion Ratio Lower Upper

146 100

111 50.2 25.5 76.5

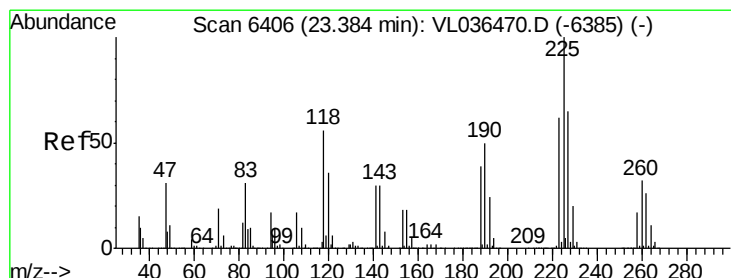
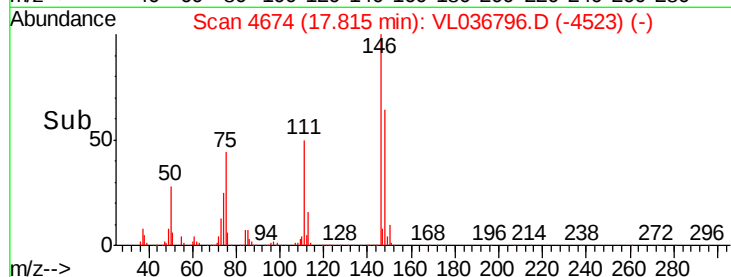
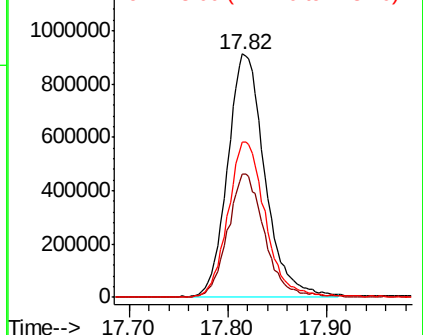
148 64.8 32.9 98.6



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: 8.865 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. -0.01 min

Lab File: VL036796.D

Acq: 13 Apr 2021 9:27

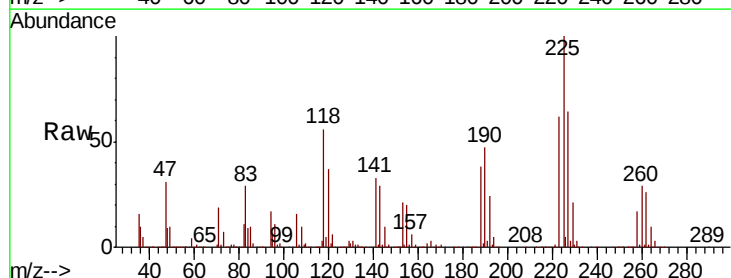
Tgt Ion:225 Resp: 1748166

Ion Ratio Lower Upper

225 100

223 63.9 50.6 75.8

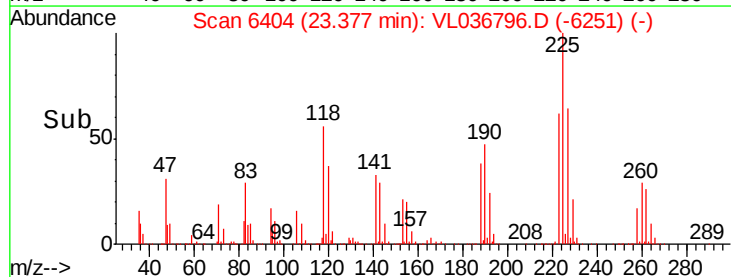
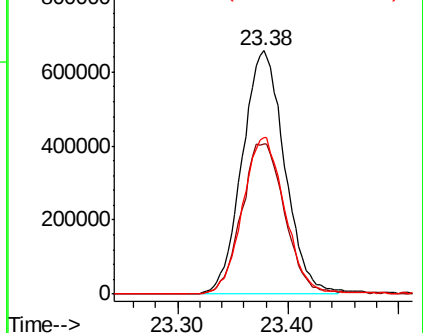
227 64.8 52.2 78.2

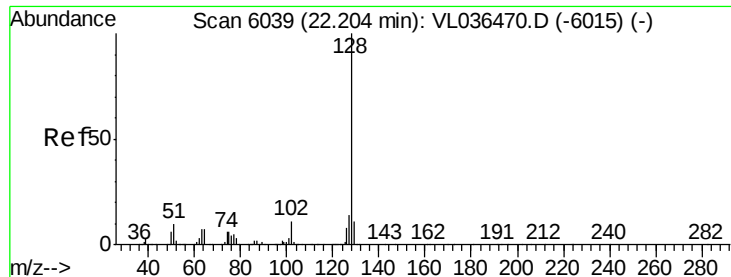


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

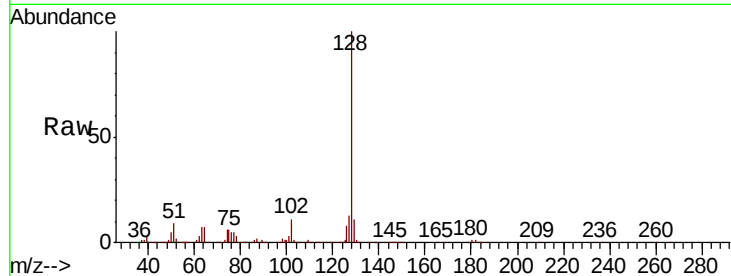
Ion 226.90 (226.60 to 227.60): V



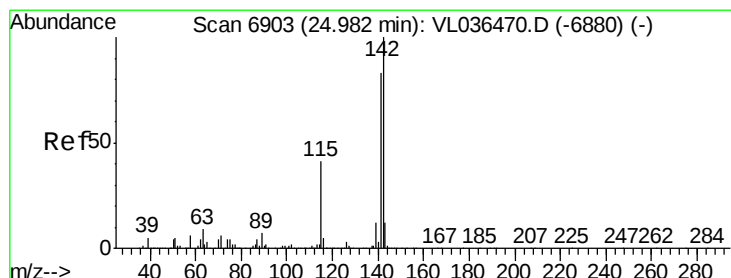
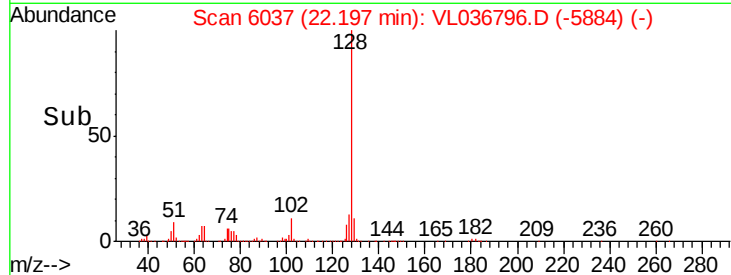
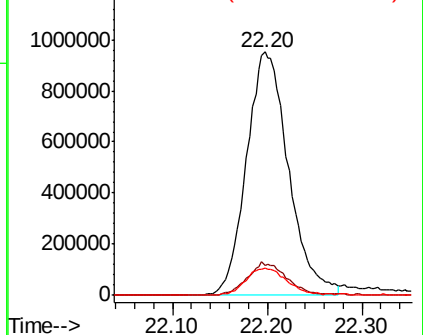


#79
Naphthalene
Concen: 12.067 ppbv
RT: 22.20 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 9:27

Tot Ion:128	Resp: 2930381
Ion Ratio	Lower Upper
128 100	
127 12.5	10.9 16.3
129 11.1	9.0 13.4

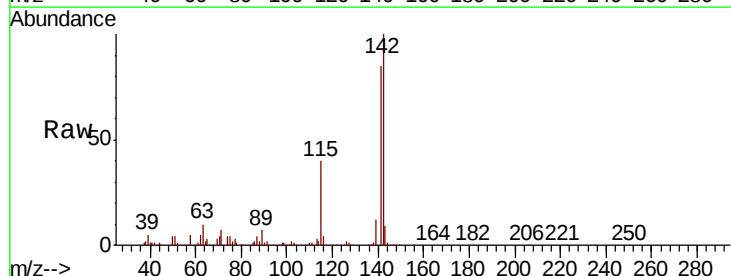


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

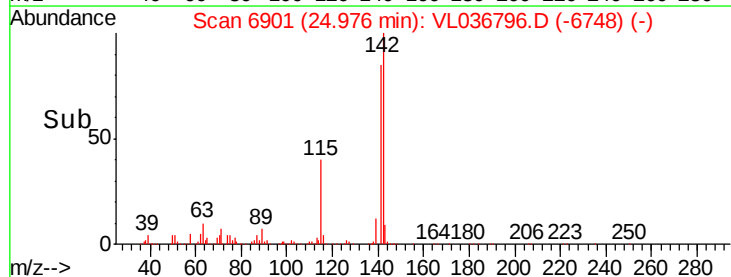
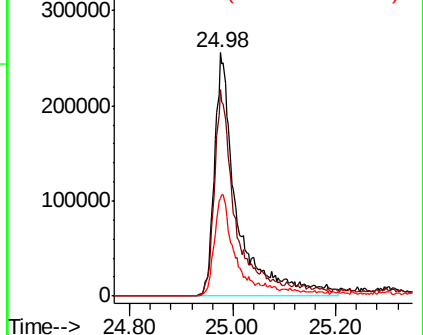


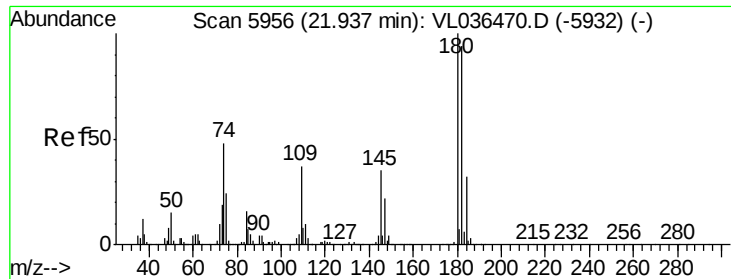
#80
Naphthalene, 2-methyl-
Concen: 16.429 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.01 min
Lab File: VL036796.D
Acq: 13 Apr 2021 9:27

Tgt Ion:142	Resp: 786790
Ion Ratio	Lower Upper
142 100	
141 81.4	67.8 101.8
115 41.3	34.0 51.0



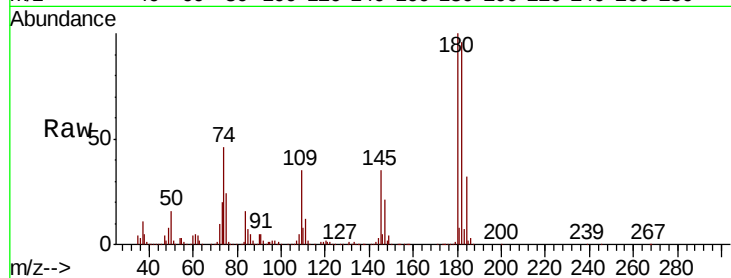
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.169 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 9:27

Tot Ion:180 Resp: 1674628
 Ion Ratio Lower Upper
 180 100
 182 99.6 80.8 121.2
 184 31.7 25.0 37.4



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

