

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040921\
 Data File : VL036771.D
 Acq On : 9 Apr 2021 12:11
 Operator : SY/AP
 Sample : VL0409ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Quant Time: Apr 10 01:58:51 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	5.65	49	1400645	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3546775	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3166384	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2097031	8.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	1874680	8.206	ppbv 98
3) Chlorodifluoromethane	2.98	51	2291357	8.756	ppbv 100
4) Chloromethane	3.13	50	790862	8.556	ppbv 98
5) Vinyl Chloride	3.25	62	816918	8.595	ppbv 97
6) Bromomethane	3.46	94	463951	8.866	ppbv 98
7) Chloroethane	3.55	64	295287	9.042	ppbv 100
8) Dichlorotetrafluoroethane	3.18	85	1893428	8.684	ppbv 98
9) Propene	3.00	41	743661	8.914	ppbv 99
10) Heptane	8.11	43	1959664	9.221	ppbv 99
11) Trichlorofluoromethane	3.94	101	1968527	8.455	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1306414	8.777	ppbv 99
13) Ethanol	3.59	45	88561	8.914	ppbv 100
14) Bromoethene	3.73	108	551777	8.917	ppbv 99
15) Acetone	3.84	43	1103506	8.005	ppbv 100
16) 1,3-Butadiene	3.31	39	815942	8.502	ppbv 96
17) tert-Butyl alcohol	4.28	59	1256971	10.474	ppbv 100
18) 1,1-Dichloroethene	4.28	96	567161	8.566	ppbv 100
19) Isopropyl Alcohol	3.95	45	750373	9.895	ppbv # 96
20) Methylene Chloride	4.33	84	511859	7.930	ppbv 93
21) Allyl Chloride	4.40	41	983534	8.950	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	563112	9.174	ppbv 90
23) Vinyl Acetate	5.06	43	2316676	9.824	ppbv 98
24) 1,1-Dichloroethane	5.00	63	1533002	8.919	ppbv 99
25) Ethyl Acetate	5.67	43	3001532	9.158	ppbv 100
26) Hexane	5.67	57	1388575	9.130	ppbv 99
27) Carbon Disulfide	4.54	76	1456869	9.724	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1705583	9.509	ppbv 100
29) Chloroform	5.74	83	2202866	9.056	ppbv 98
30) Cyclohexane	7.12	84	1155627	9.369	ppbv 98
31) cis-1,2-Dichloroethene	5.54	61	1372870	9.332	ppbv 91
32) 1,1,1-Trichloroethane	6.50	97	2255289	9.200	ppbv 99
34) 2-Butanone	5.23	43	1507871	8.709	ppbv 98
35) Carbon Tetrachloride	7.01	117	2356729	8.651	ppbv 99
36) Benzene	6.88	78	2922189	8.933	ppbv 99
37) 1,2-Dichloroethane	6.29	62	1657387	8.609	ppbv 99
38) Trichloroethene	7.82	130	1065909	8.373	ppbv 97
39) 1,2-Dichloropropane	7.60	63	1148712	8.657	ppbv 97
40) 1,4-Dioxane	7.82	88	287774	9.318	ppbv # 1
41) Tetrahydrofuran	6.04	42	706873	8.855	ppbv 94
42) Bromodichloromethane	7.78	83	2392378	9.136	ppbv 99
43) Methyl Methacrylate	8.00	69	1059332	9.644	ppbv 98

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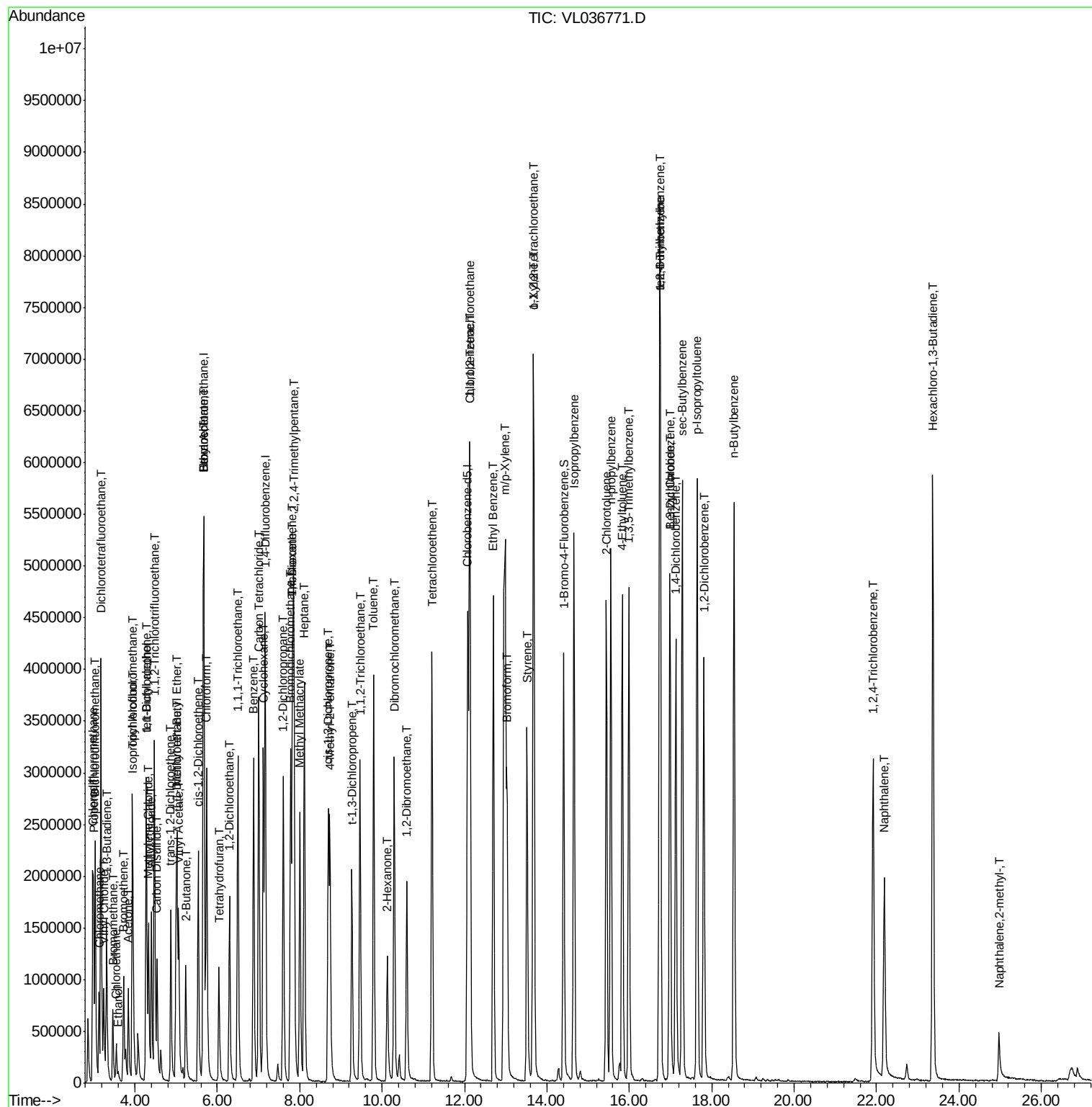
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4931550	8.566	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1291368	10.296	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1576997	9.836	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1195259	8.893	ppbv	97
48) Dibromochloromethane	10.29	129	1991538	9.721	ppbv	100
49) Bromoform	13.03	173	1634266	9.900	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2290505	9.143	ppbv	99
51) 2-Hexanone	10.13	43	1189052	9.406	ppbv #	98
52) Tetrachloroethene	11.21	164	991512	8.232	ppbv	95
53) Toluene	9.79	91	3272418	9.394	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1738700	9.161	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1326493	9.262	ppbv	97
57) Chlorobenzene	12.14	112	2425532	9.003	ppbv	98
58) Ethyl Benzene	12.70	91	4396026	9.543	ppbv	100
59) m/p-Xylene	12.99	91	3506065	8.726	ppbv #	23
60) o-Xylene	13.68	91	3516530	9.052	ppbv	99
61) Styrene	13.52	104	2067520	10.578	ppbv	99
62) Isopropylbenzene	14.66	105	4746342	9.072	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2545461	8.589	ppbv	99
64) n-propylbenzene	15.55	120	1241746	9.708	ppbv	98
65) tert-Butylbenzene	16.73	119	4129491	9.102	ppbv	100
66) Benzyl Chloride	16.98	91	569812	11.363	ppbv	99
67) sec-Butylbenzene	17.29	105	5865955	9.160	ppbv	99
69) p-Isopropyltoluene	17.64	119	4834376	9.667	ppbv	99
70) n-Butylbenzene	18.54	91	4963681	9.573	ppbv	99
71) 2-Chlorotoluene	15.44	91	3681119	9.390	ppbv	100
72) 4-Ethyltoluene	15.83	105	4076335	9.575	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	3734765	9.400	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	3902876	9.179	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	2251556	9.408	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2173998	9.149	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2181758	9.698	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1614422	8.013	ppbv	99
79) Naphthalene	22.19	128	2612306	10.529	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	419152	8.567	ppbv	93
81) 1,2,4-Trichlorobenzene	21.92	180	1519535	9.919	ppbv	100

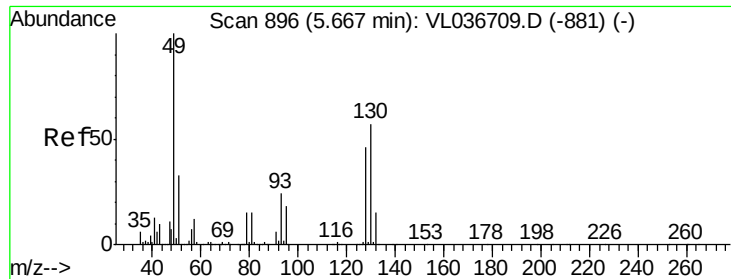
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

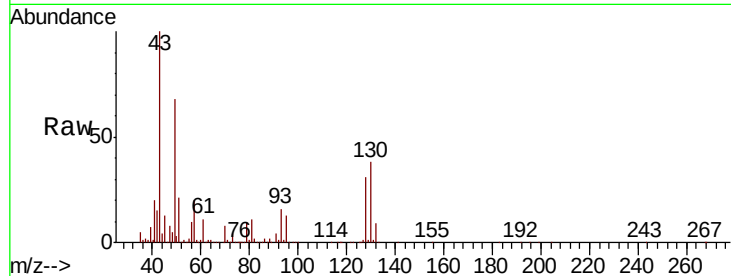
Tot Ion: 49 Resp: 1400645

Ion Ratio Lower Upper

49 100

128 48.2 23.5 70.6

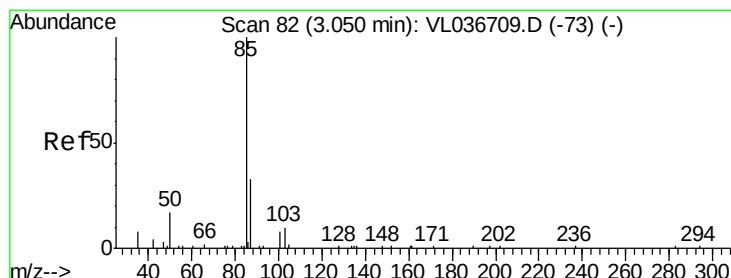
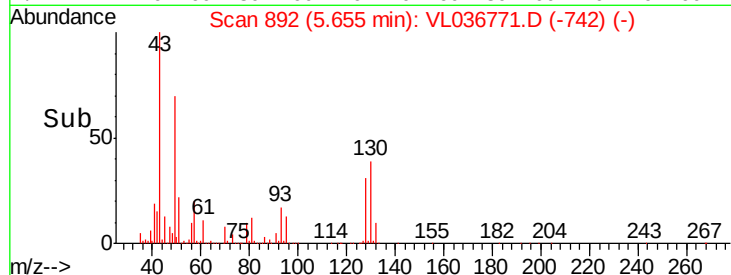
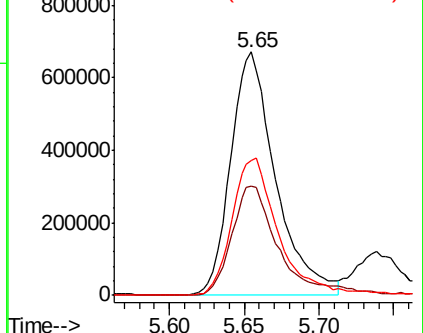
130 59.1 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.206 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036771.D

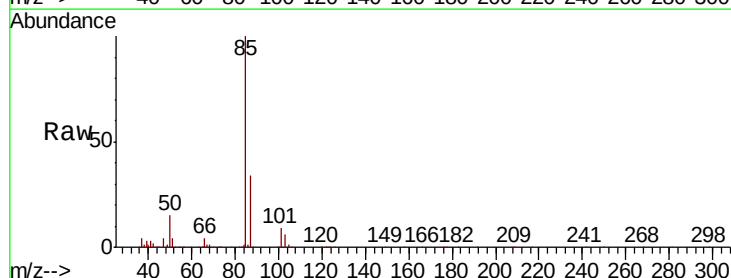
Acq: 9 Apr 2021 12:11

Tgt Ion: 85 Resp: 1874680

Ion Ratio Lower Upper

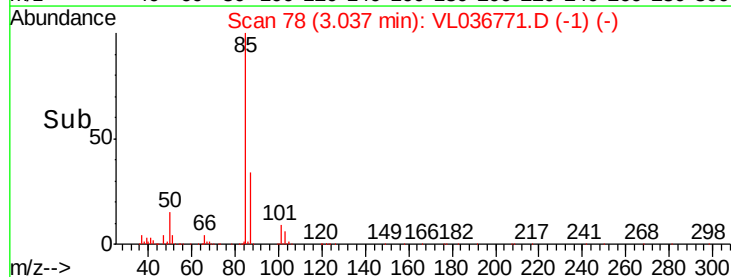
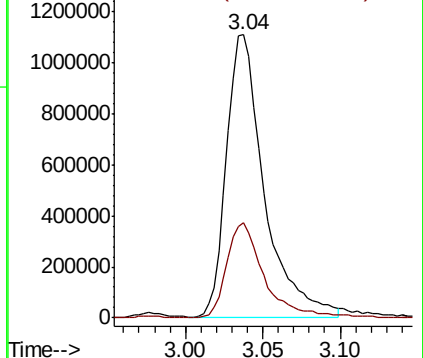
85 100

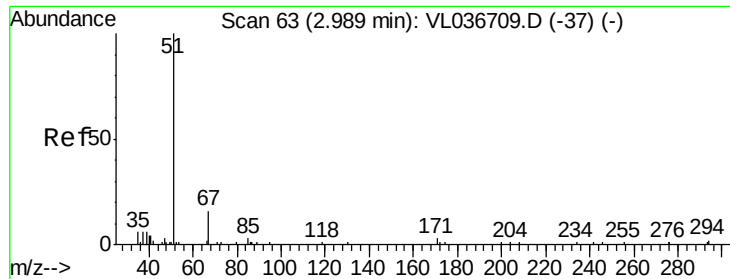
87 33.5 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.756 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

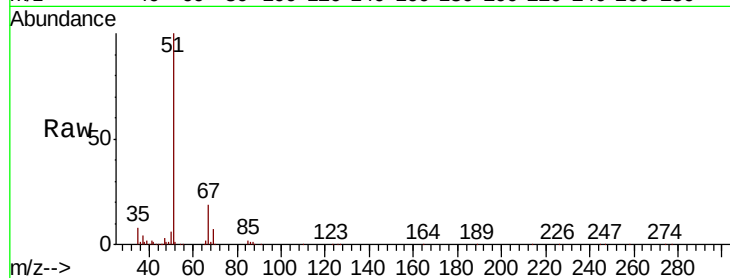
VL0409ABS01

Tot Ion: 51 Resp: 2291357

Ion Ratio Lower Upper

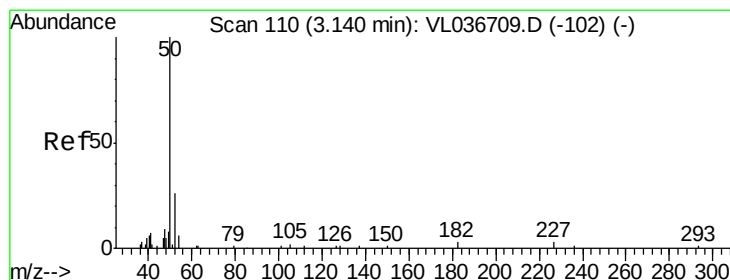
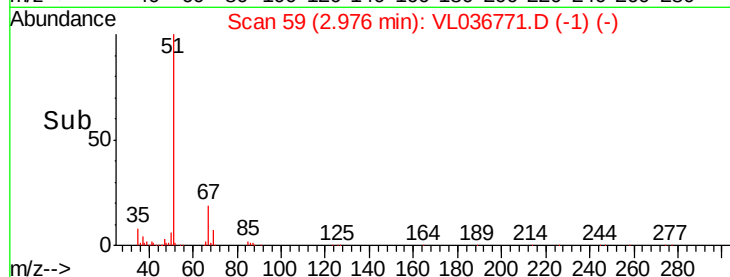
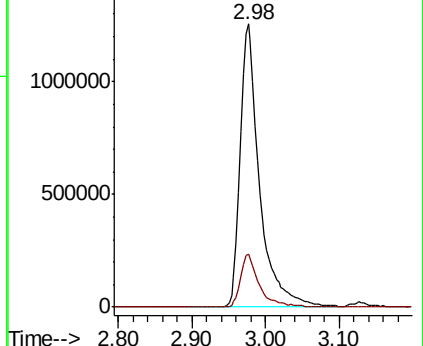
51 100

67 18.4 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.556 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL036771.D

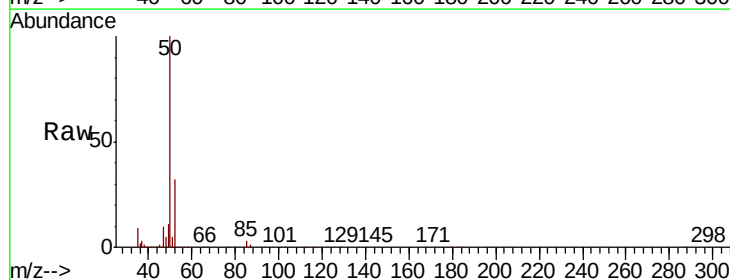
Acq: 9 Apr 2021 12:11

Tgt Ion: 50 Resp: 790862

Ion Ratio Lower Upper

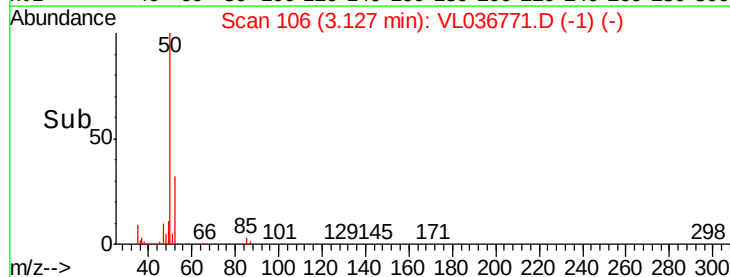
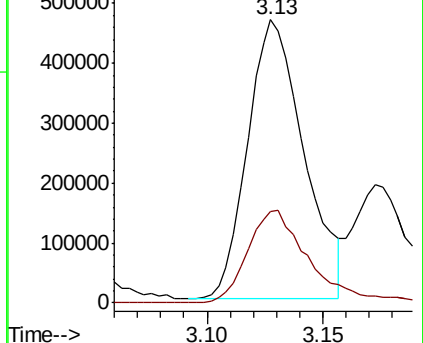
50 100

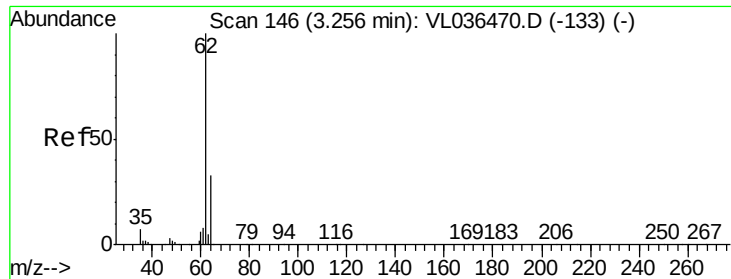
52 32.7 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.595 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

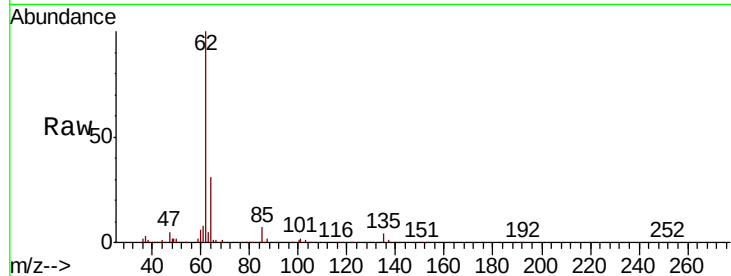
VL0409ABS01

Tot Ion: 62 Resp: 816918

Ion Ratio Lower Upper

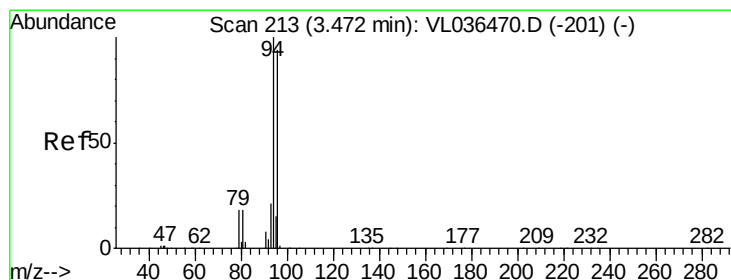
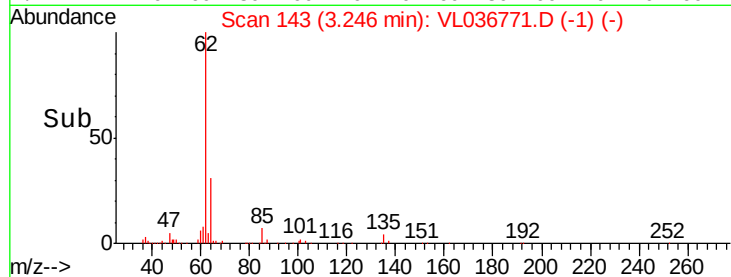
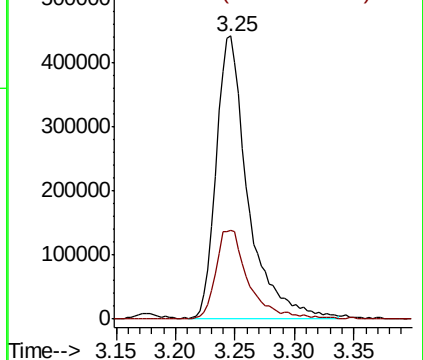
62 100

64 31.2 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: 8.866 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL036771.D

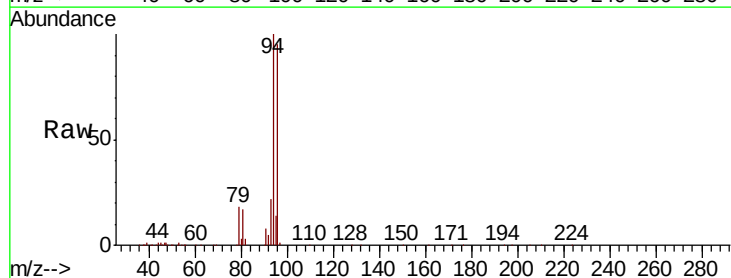
Acq: 9 Apr 2021 12:11

Tgt Ion: 94 Resp: 463951

Ion Ratio Lower Upper

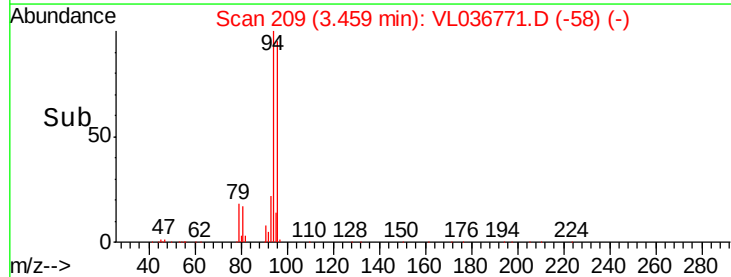
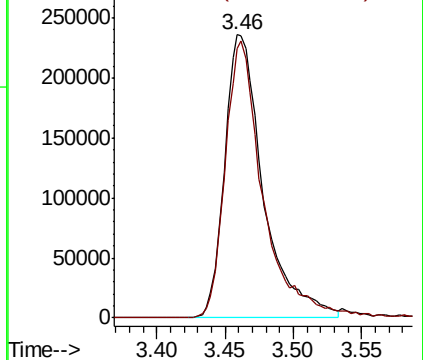
94 100

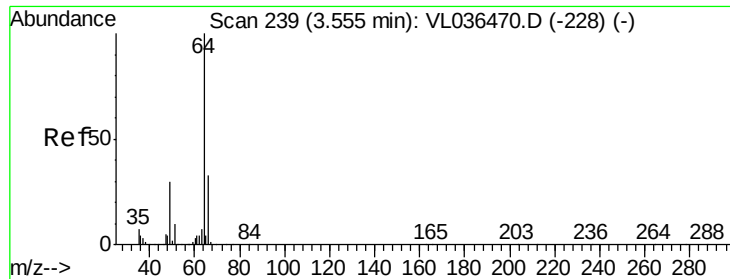
96 95.2 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.042 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

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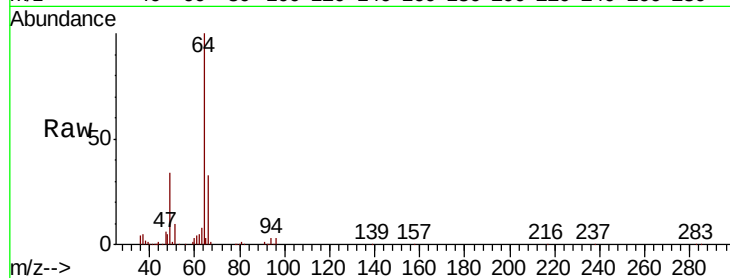
VL0409ABS01

Tot Ion: 64 Resp: 295287

Ion Ratio Lower Upper

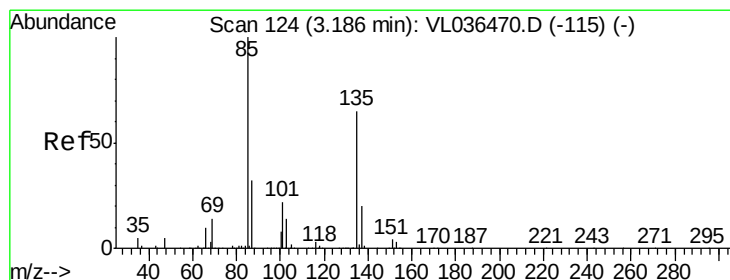
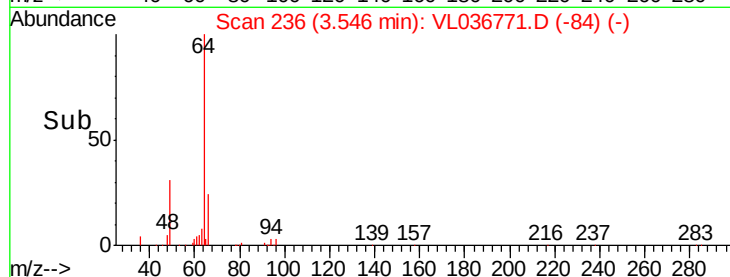
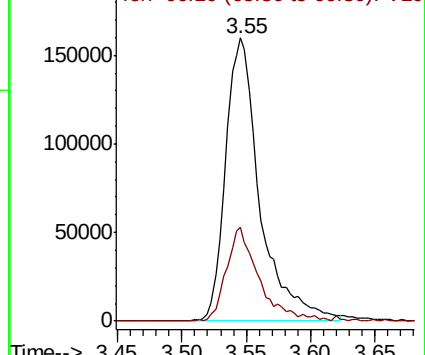
64 100

66 33.0 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.684 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL036771.D

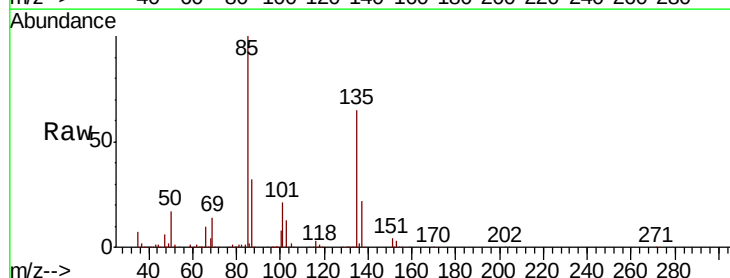
Acq: 9 Apr 2021 12:11

Tgt Ion: 85 Resp: 1893428

Ion Ratio Lower Upper

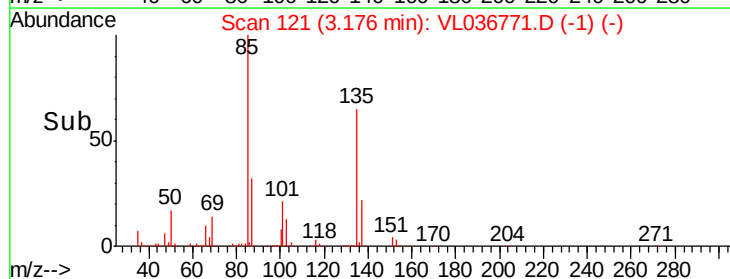
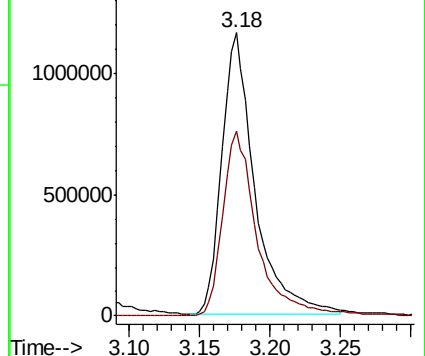
85 100

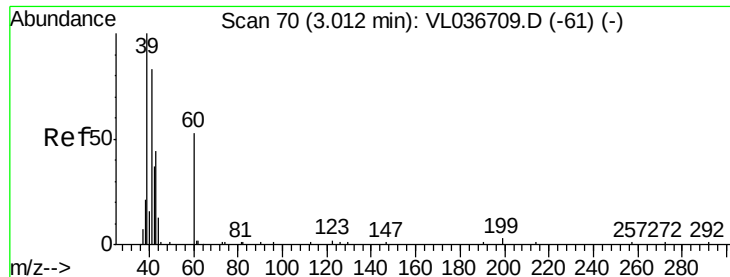
135 69.4 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.914 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036771.D

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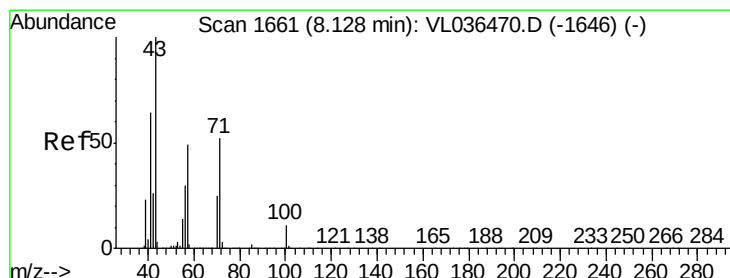
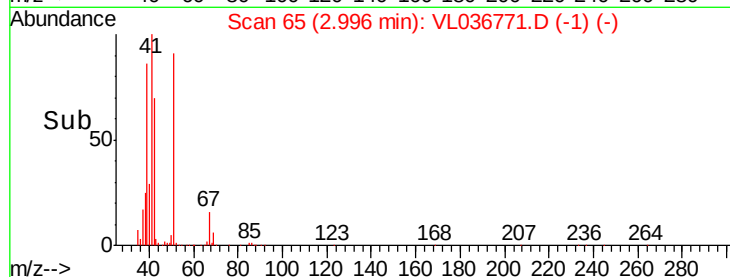
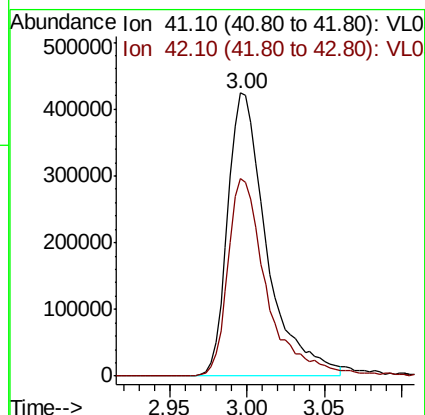
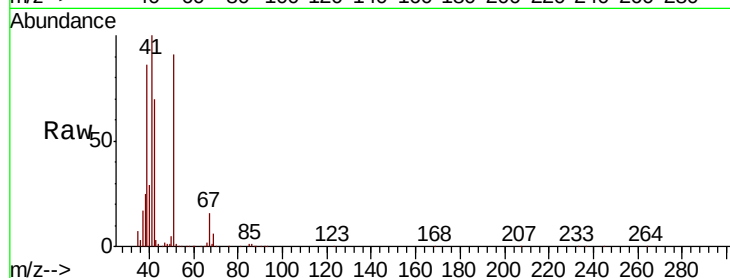
VL0409ABS01

Tot Ion: 41 Resp: 743661

Ion Ratio Lower Upper

41 100

42 70.6 57.0 85.4



#10

Heptane

Concen: 9.221 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL036771.D

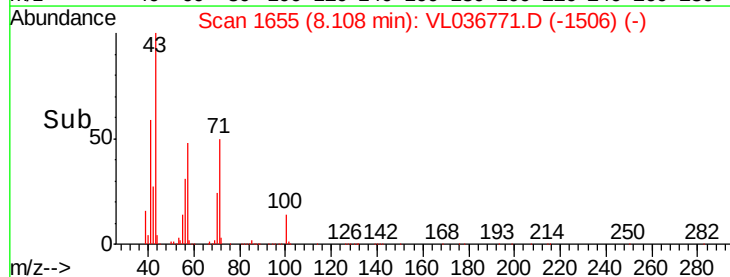
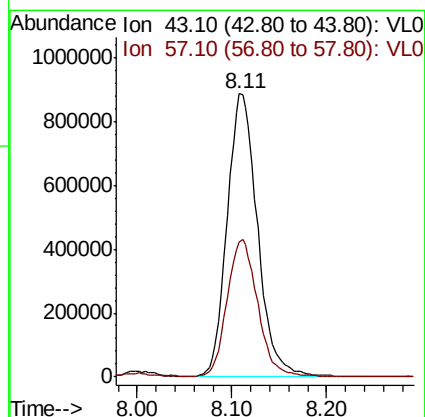
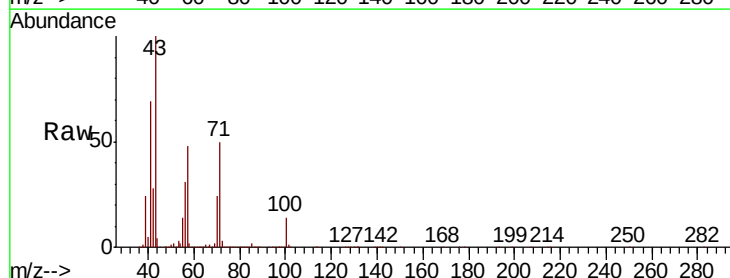
Acq: 9 Apr 2021 12:11

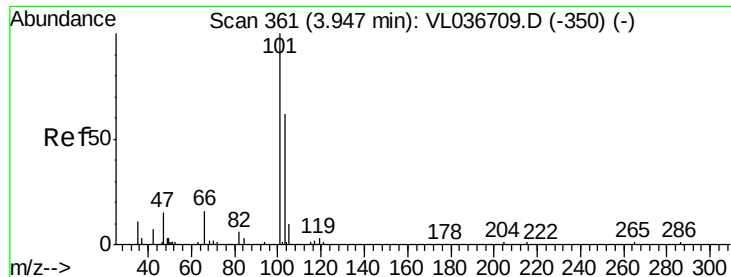
Tgt Ion: 43 Resp: 1959664

Ion Ratio Lower Upper

43 100

57 49.8 39.0 58.6

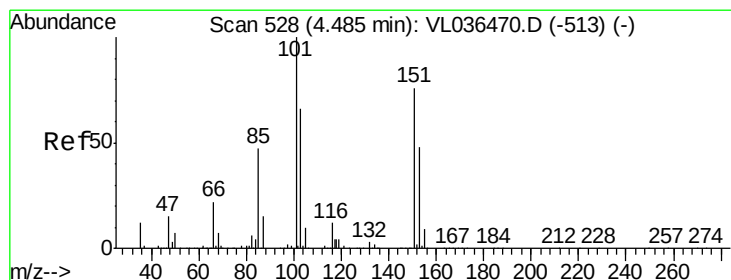
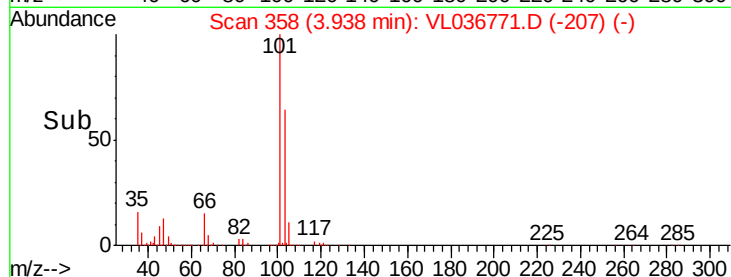
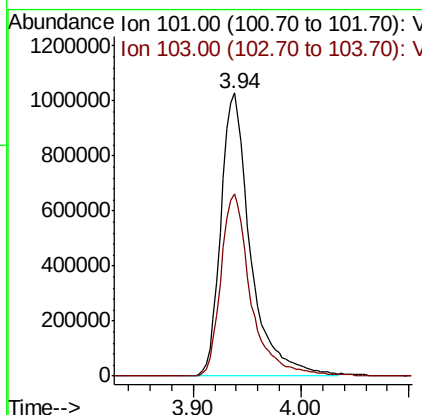
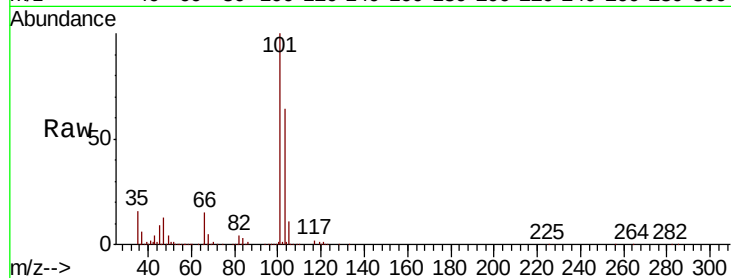




#11
 Trichlorofluoromethane
 Concen: 8.455 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.01 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

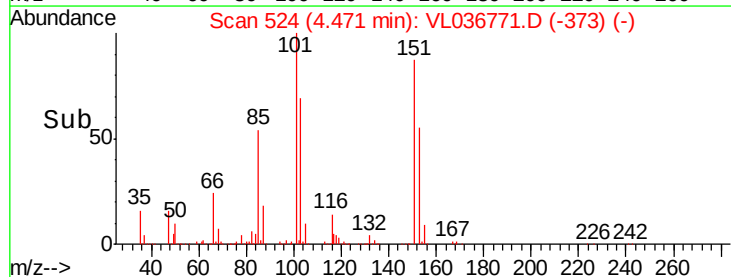
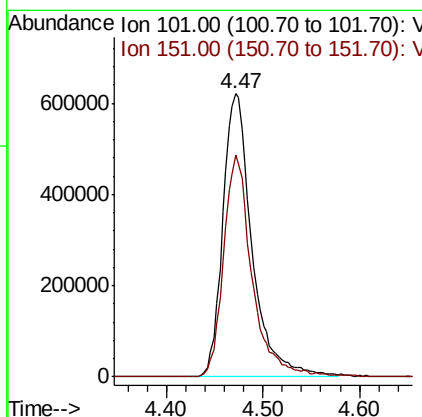
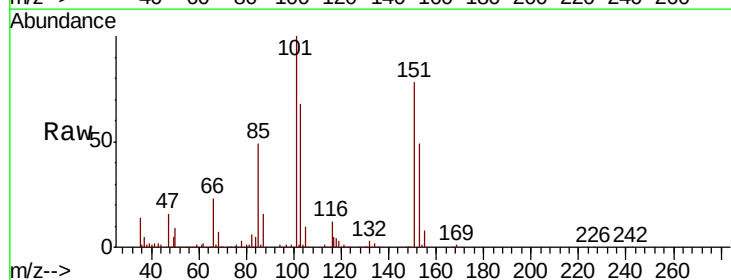
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

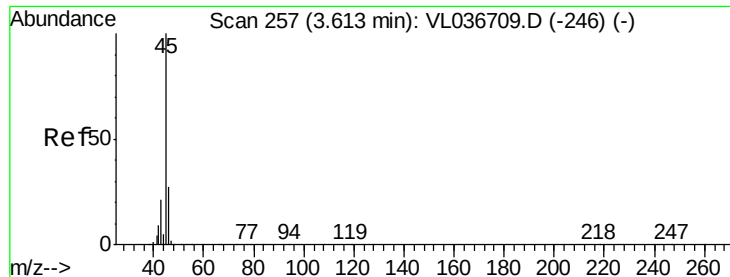
Tot Ion:101 Resp: 1968527
 Ion Ratio Lower Upper
 101 100
 103 64.4 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.777 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.01 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion:101 Resp: 1306414
 Ion Ratio Lower Upper
 101 100
 151 76.8 60.9 91.3

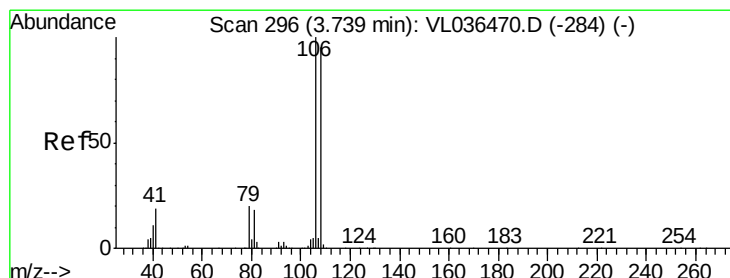
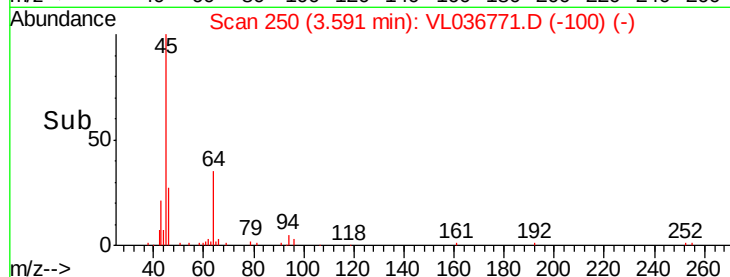
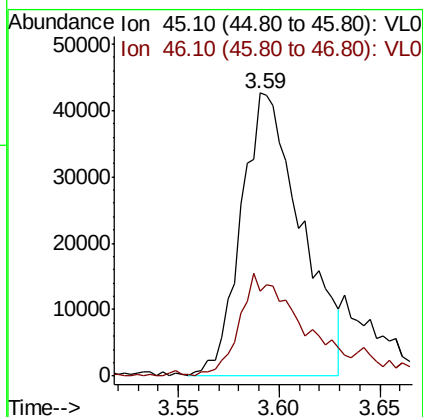
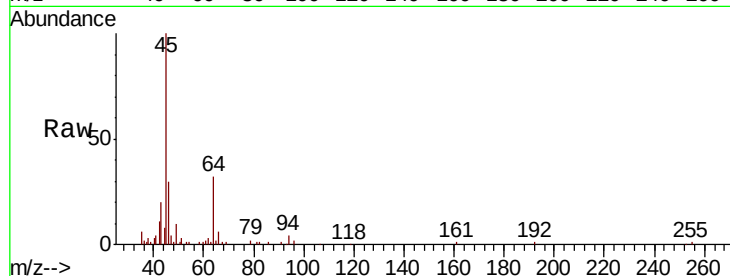




#13
 Ethanol
 Concen: 8.914 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

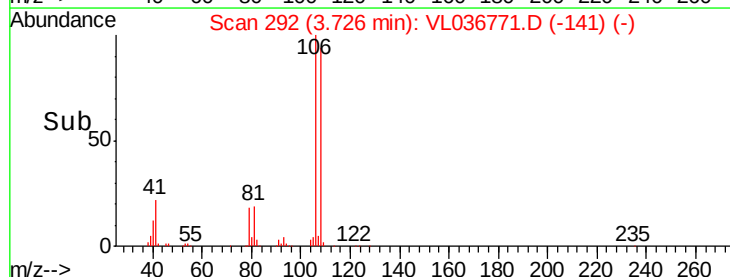
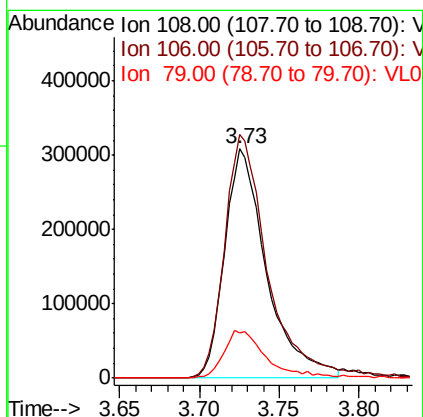
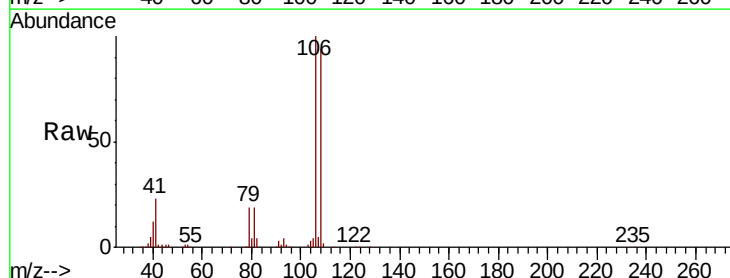
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

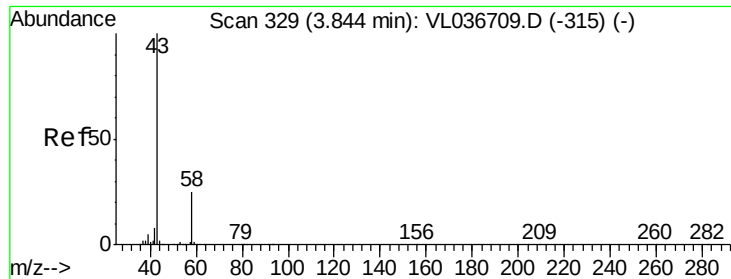
Tot Ion: 45 Resp: 88561
 Ion Ratio Lower Upper
 45 100
 46 41.3 16.6 66.2



#14
 Bromoethene
 Concen: 8.917 ppbv
 RT: 3.73 min Scan# 292
 Delta R.T. -0.01 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion: 108 Resp: 551777
 Ion Ratio Lower Upper
 108 100
 106 111.0 89.0 133.6
 79 22.4 16.6 25.0

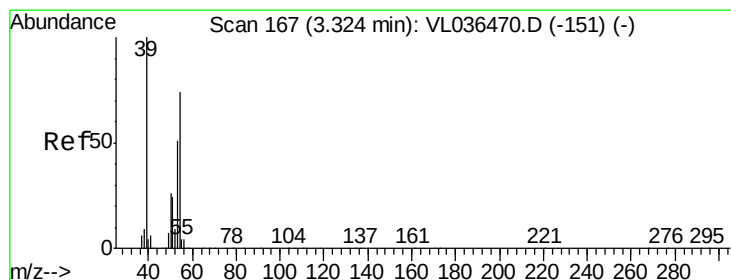
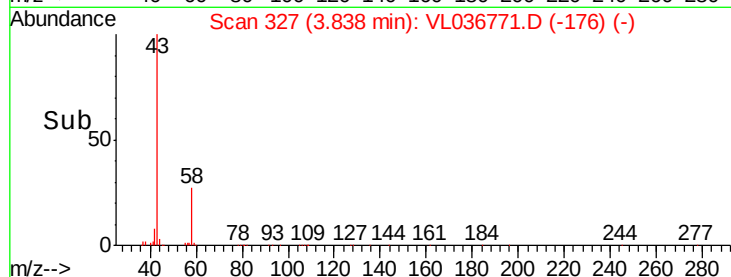
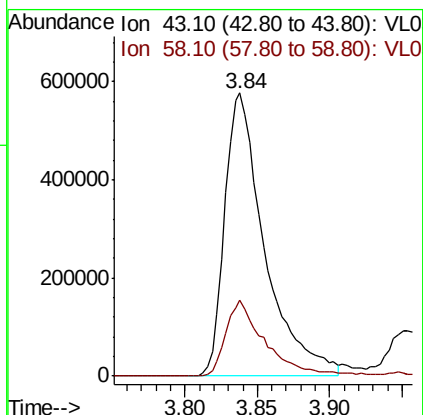
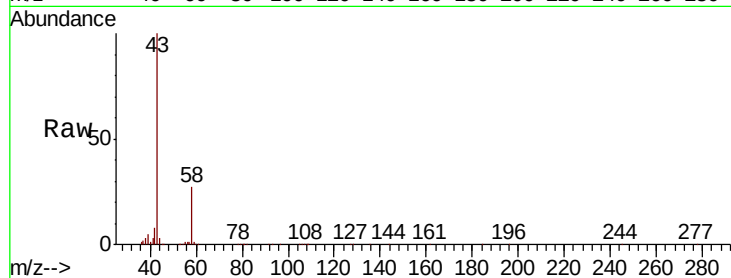




#15
Acetone
Concen: 8.005 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

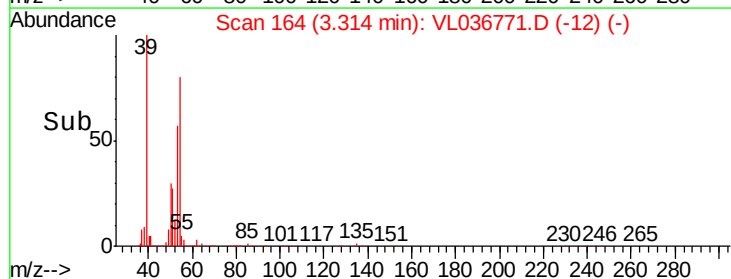
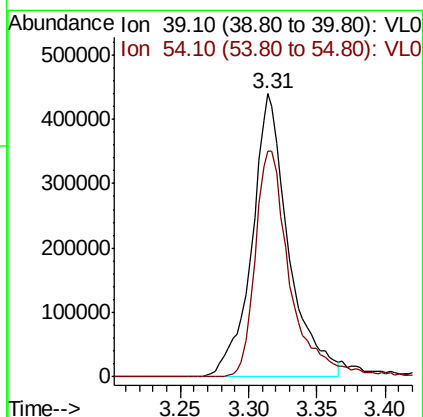
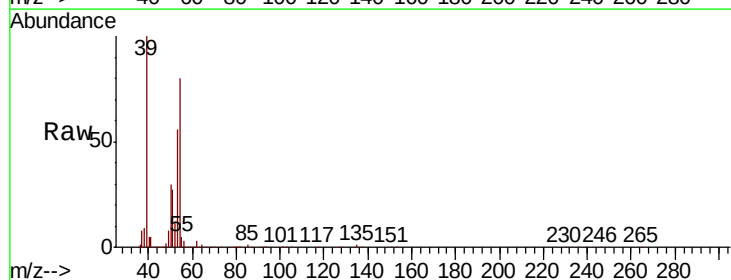
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

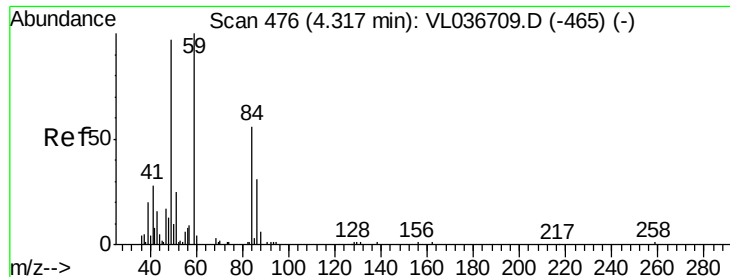
Tot Ion: 43 Resp: 1103506
Ion Ratio Lower Upper
43 100
58 26.6 21.2 31.8



#16
1,3-Butadiene
Concen: 8.502 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 39 Resp: 815942
Ion Ratio Lower Upper
39 100
54 77.3 58.8 88.2





#17

tert-Butyl alcohol

Concen: 10.474 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

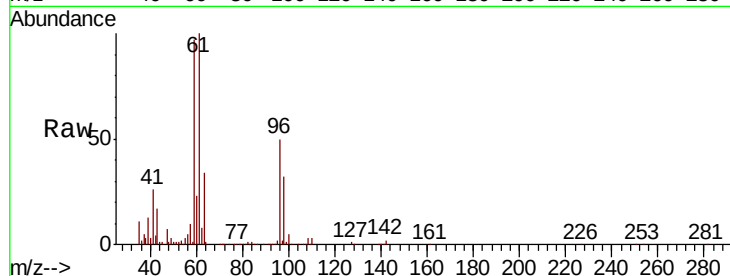
VL0409ABS01

Tot Ion: 59 Resp: 1256971

Ion Ratio Lower Upper

59 100

57 10.9 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

600000

500000

400000

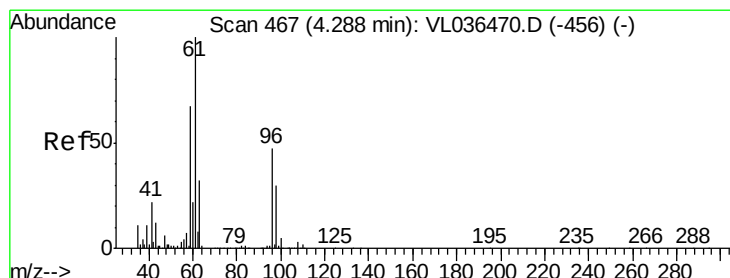
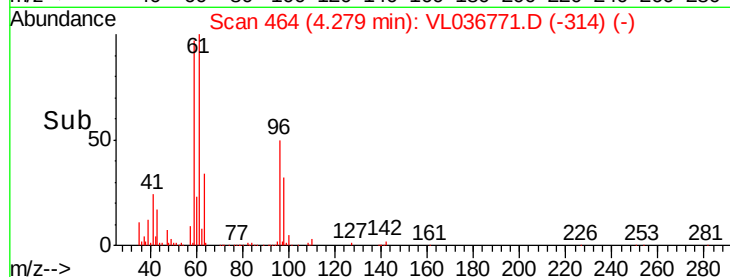
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 8.566 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

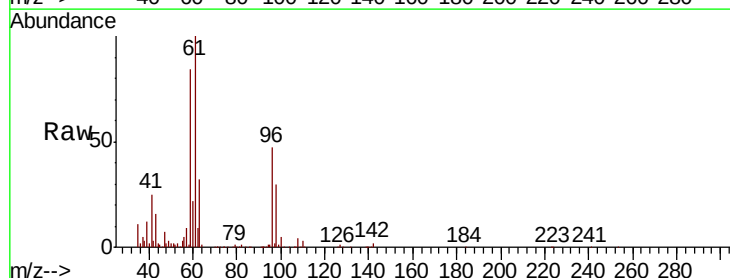
Tgt Ion: 96 Resp: 567161

Ion Ratio Lower Upper

96 100

61 211.4 168.6 253.0

98 64.0 50.8 76.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

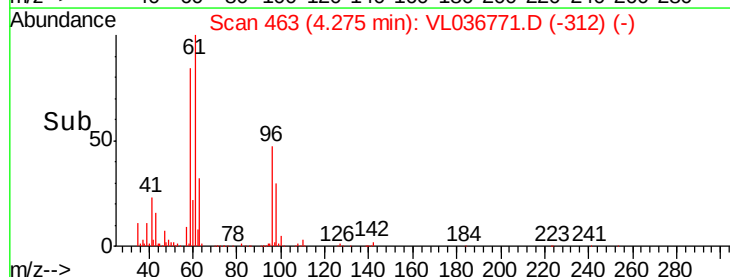
600000

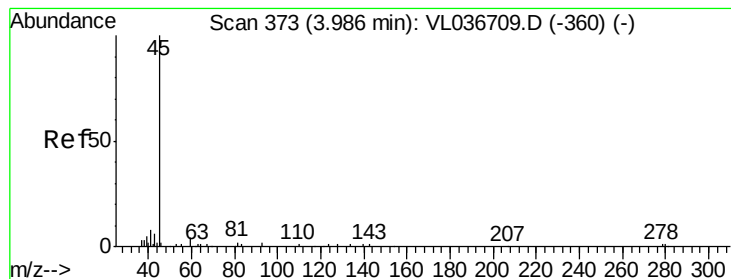
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.895 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

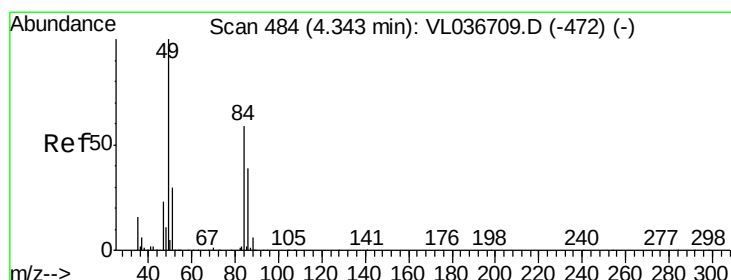
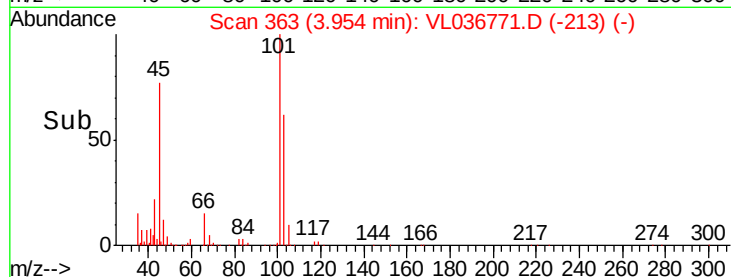
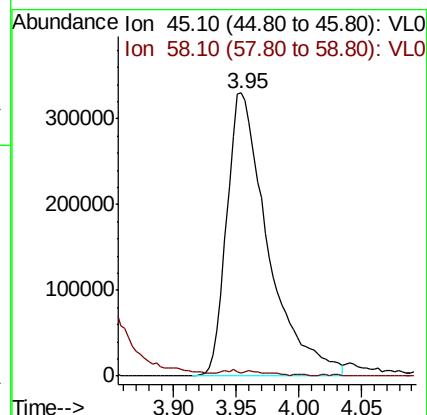
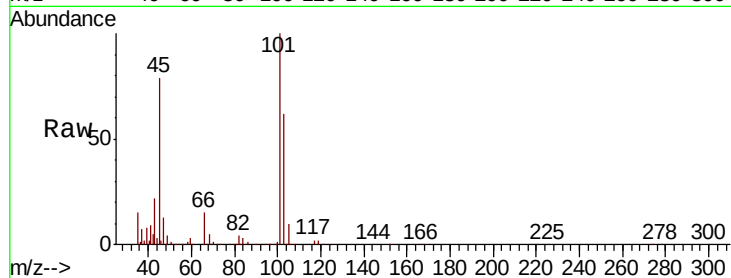
VL0409ABS01

Tot Ion: 45 Resp: 750373

Ion Ratio Lower Upper

45 100

58 2.3 2.9 4.3#



#20

Methylene Chloride

Concen: 7.930 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion: 84 Resp: 511859

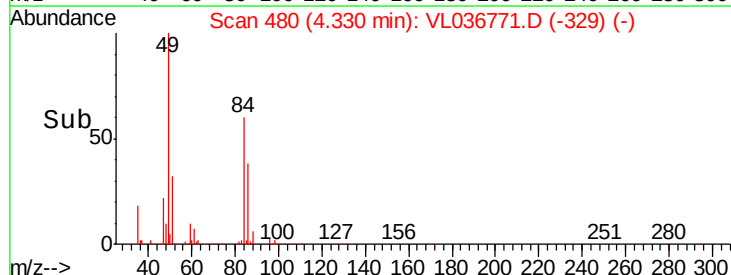
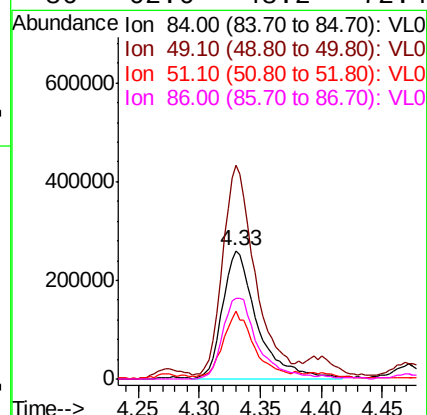
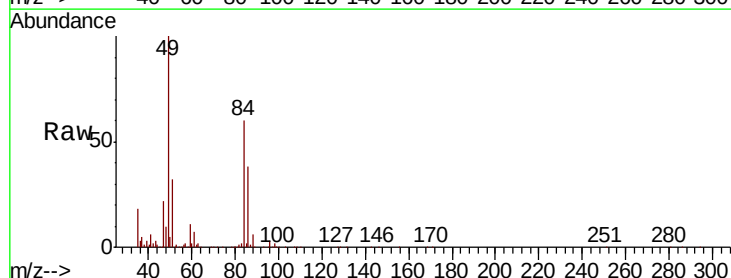
Ion Ratio Lower Upper

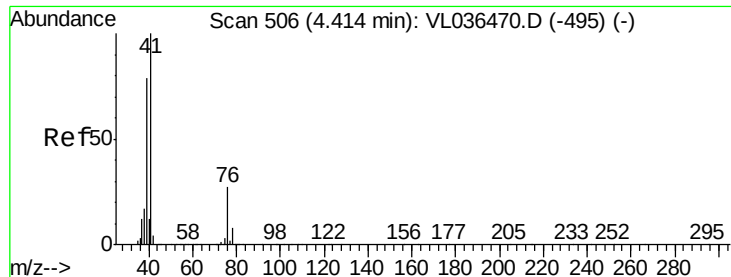
84 100

49 164.3 122.9 184.3

51 51.3 36.9 55.3

86 62.6 48.2 72.4

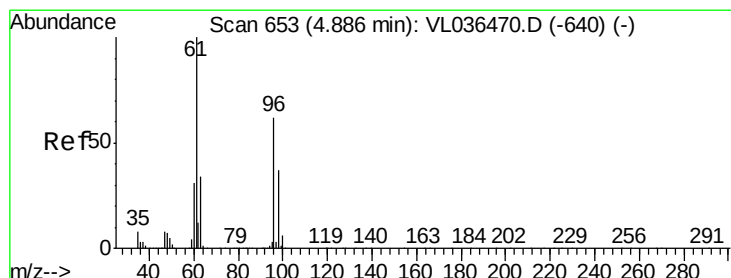
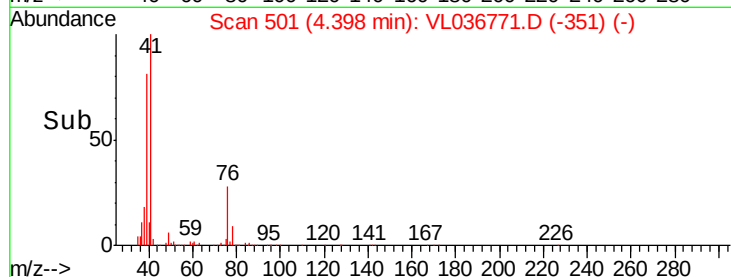
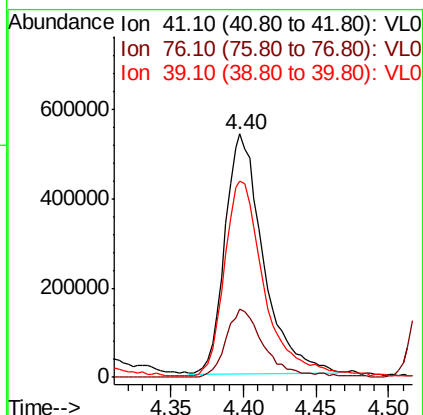
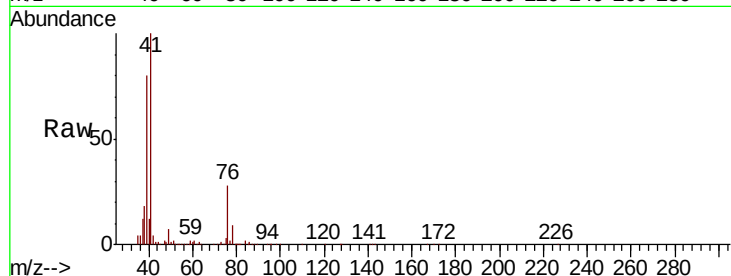




#21
 Allvl Chloride
 Concen: 8.950 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

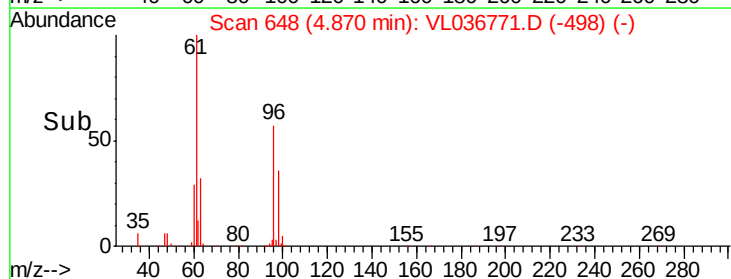
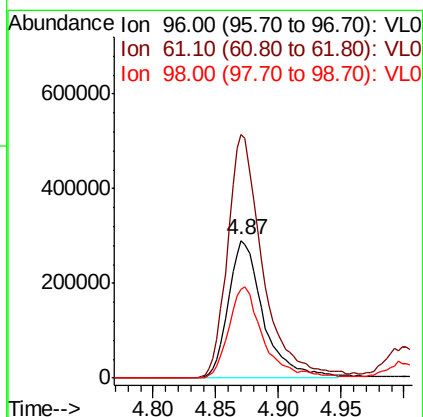
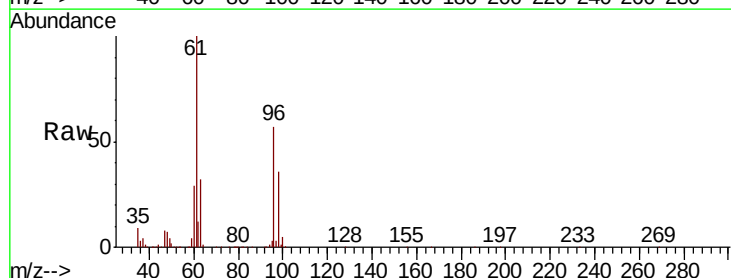
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

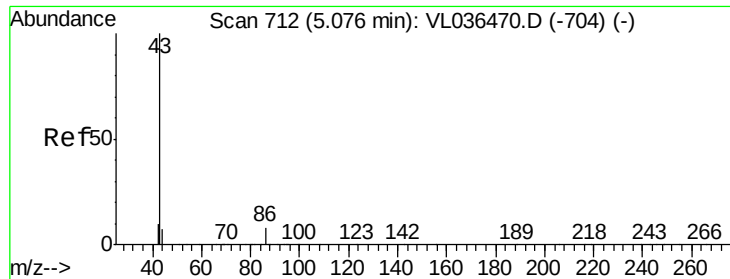
Tot Ion: 41 Resp: 983534
 Ion Ratio Lower Upper
 41 100
 76 28.8 22.9 34.3
 39 85.0 67.3 100.9



#22
 trans-1,2-Dichloroethene
 Concen: 9.174 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion: 96 Resp: 563112
 Ion Ratio Lower Upper
 96 100
 61 176.9 129.4 194.0
 98 64.3 48.2 72.4





#23

Vinyl Acetate

Concen: 9.824 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

Tot Ion: 43 Resp: 2316676

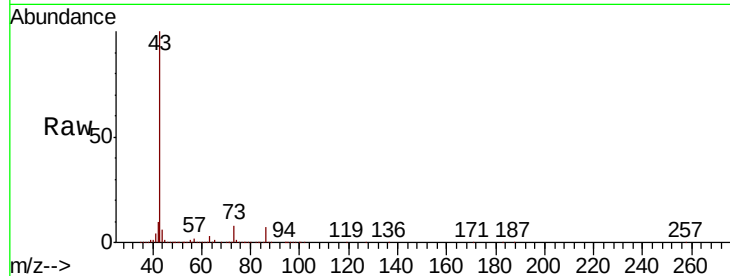
Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.0

42 9.9 8.5 12.7

44 5.8 4.6 7.0

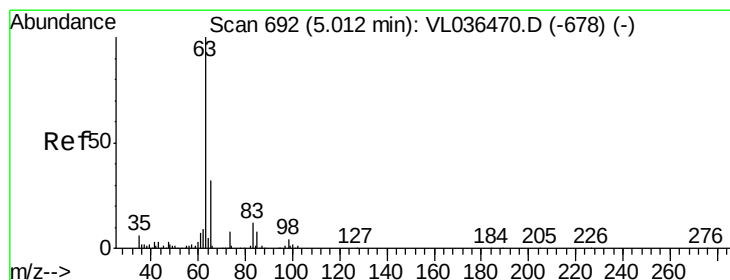
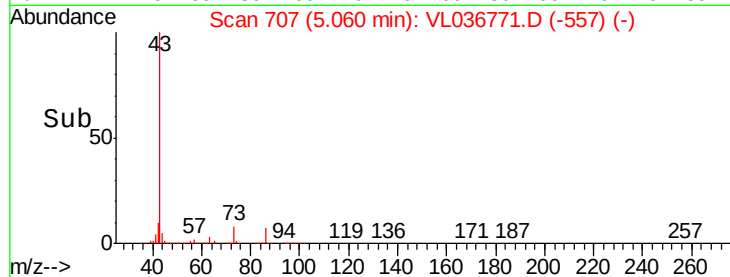
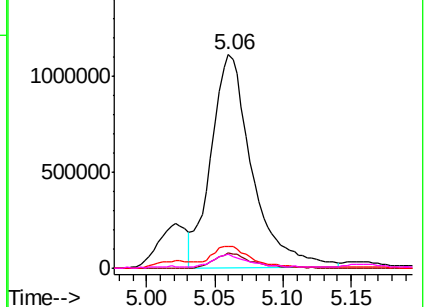


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.919 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

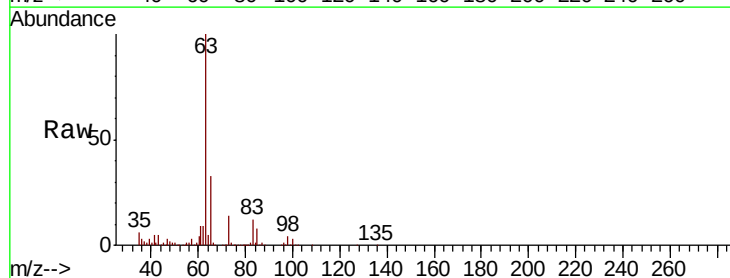
Tgt Ion: 63 Resp: 1533002

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.2

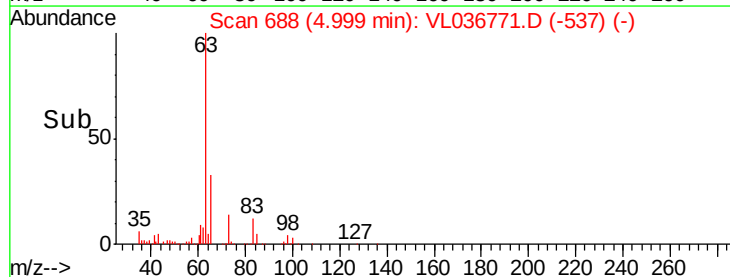
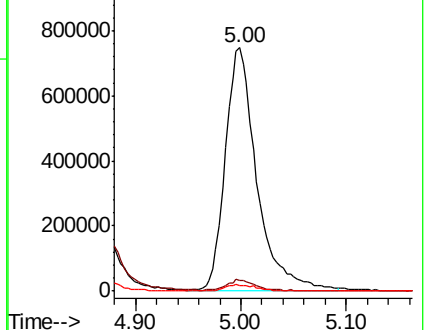
100 2.5 0.9 2.8

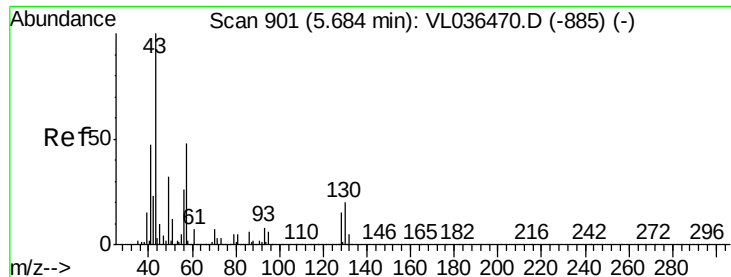


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

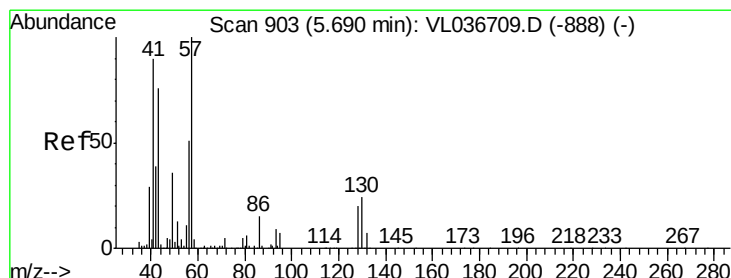
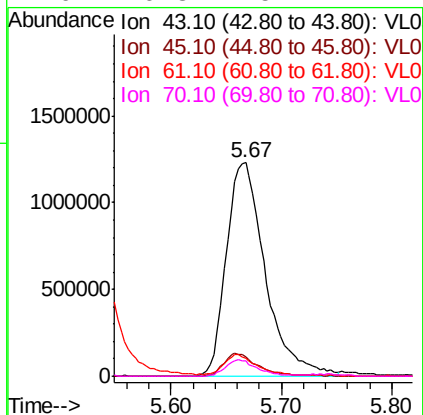
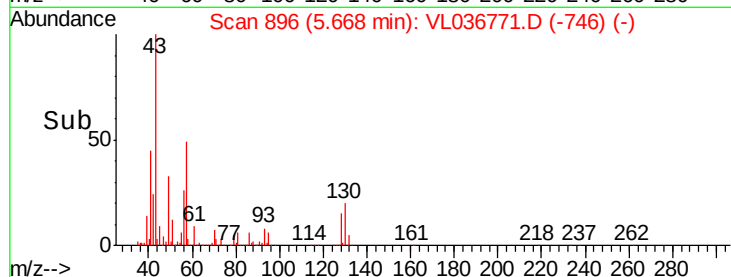
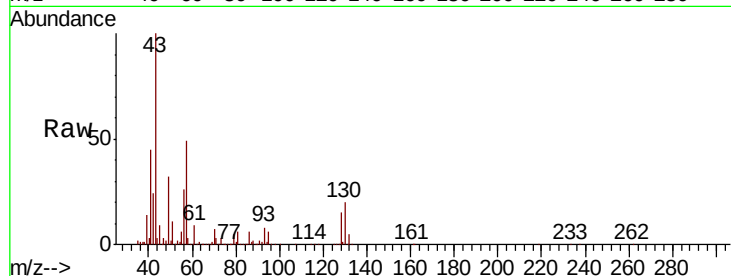




#25
Ethyl Acetate
Concen: 9.158 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

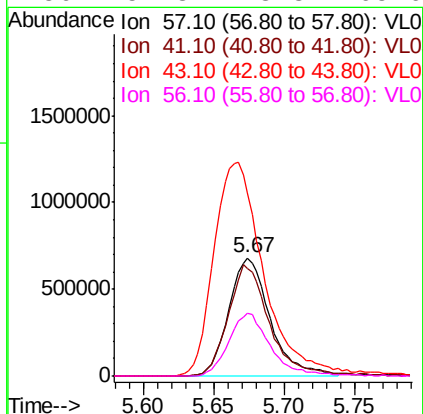
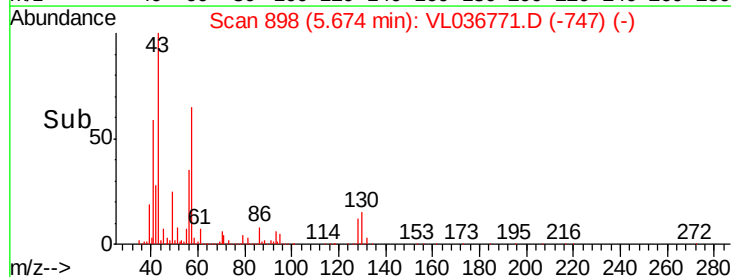
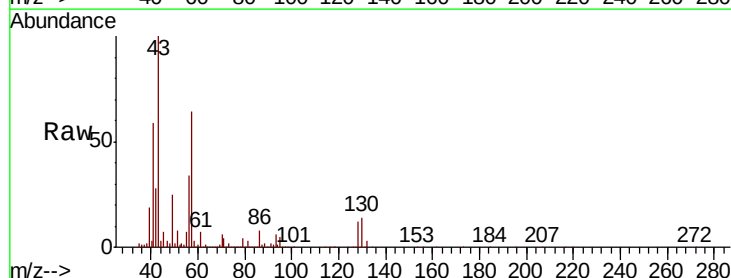
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

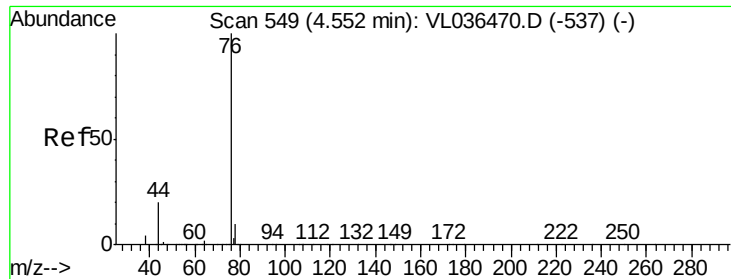
Tot Ion:	43	Resp:	3001532
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.2	7.4	11.2
70	6.3	5.1	7.7



#26
Hexane
Concen: 9.130 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion:	57	Resp:	1388575
Ion	Ratio	Lower	Upper
57	100		
41	95.3	77.2	115.8
43	219.9	173.8	260.6
56	54.3	43.8	65.6

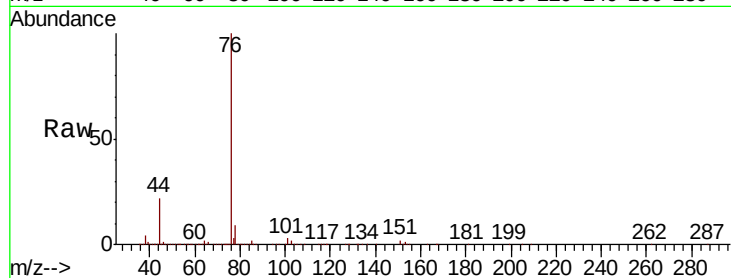




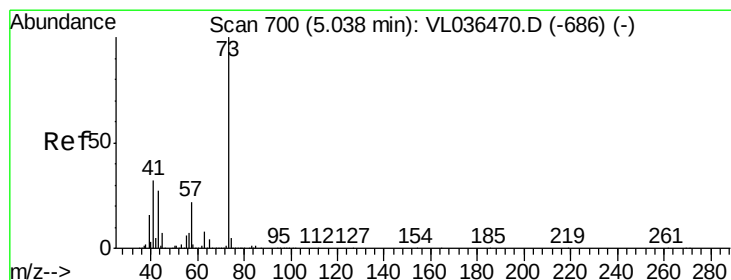
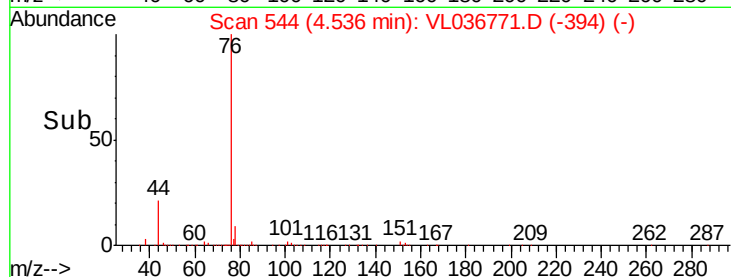
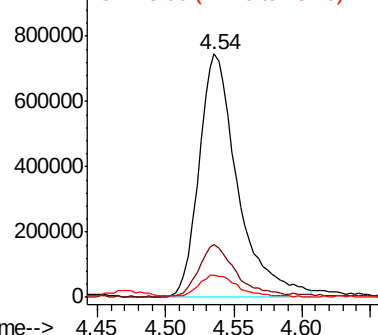
#27
Carbon Disulfide
Concen: 9.724 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 76 Resp: 1456869
Ion Ratio Lower Upper
76 100
44 22.0 17.5 26.3
78 10.0 8.6 13.0

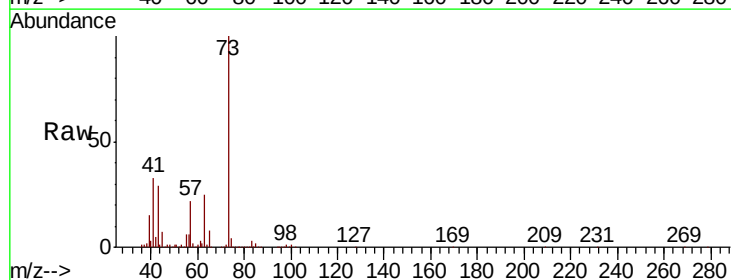


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

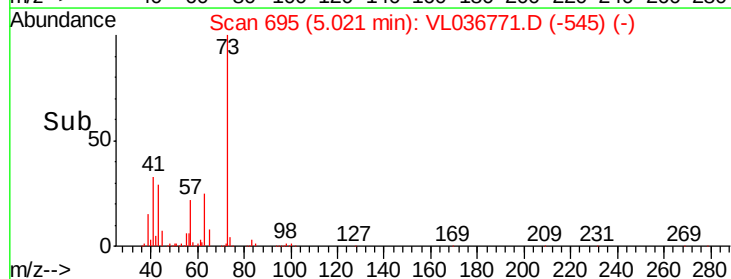
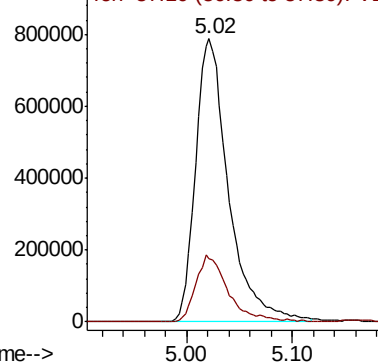


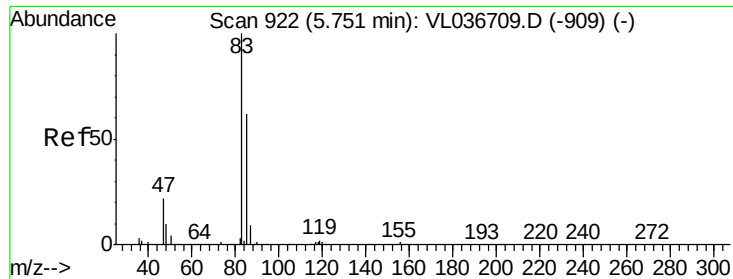
#28
Methyl tert-Butyl Ether
Concen: 9.509 ppbv
RT: 5.02 min Scan# 695
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 73 Resp: 1705583
Ion Ratio Lower Upper
73 100
57 23.3 18.5 27.7



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

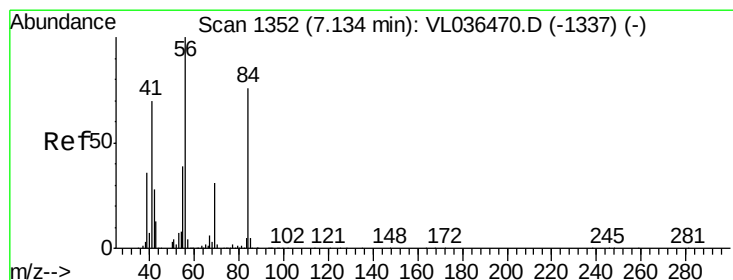
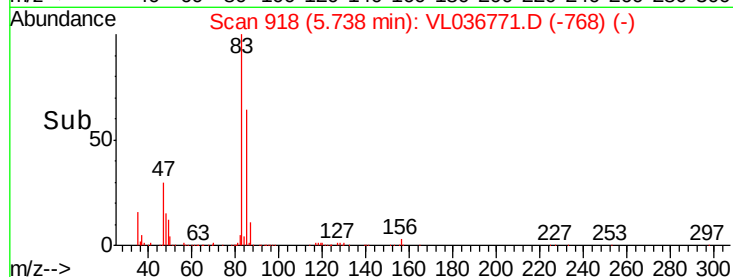
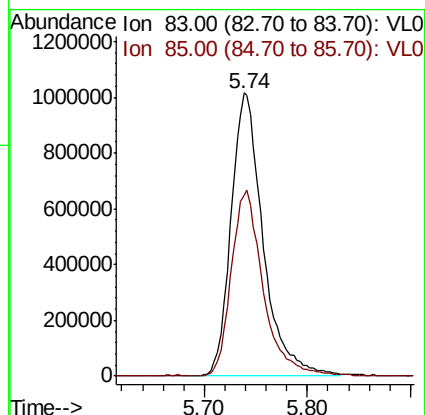
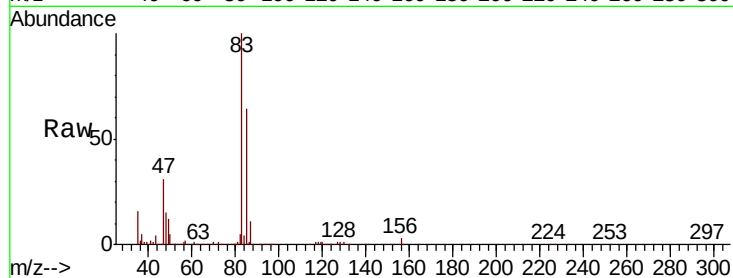




#29
Chloroform
Concen: 9.056 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

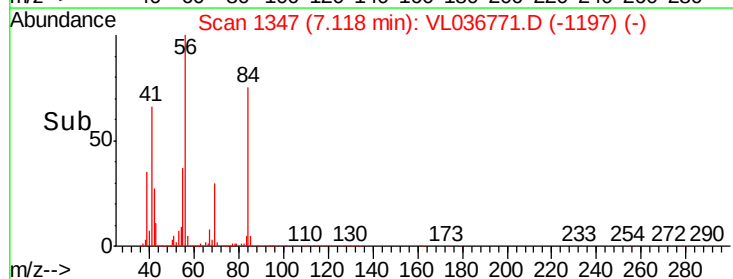
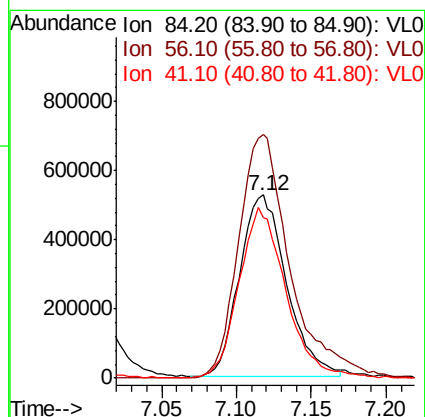
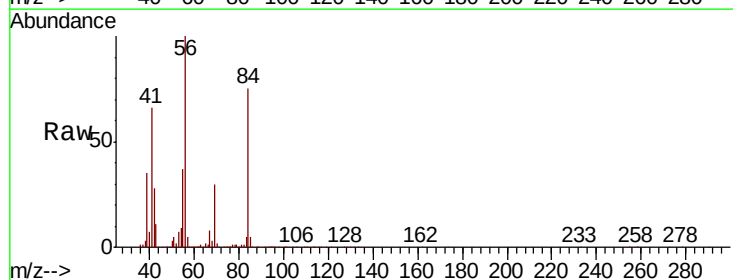
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

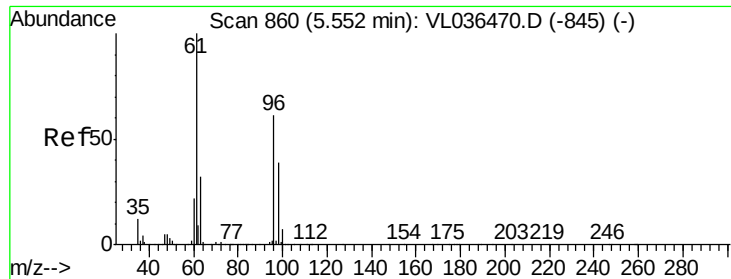
Tot Ion: 83 Resp: 2202866
Ion Ratio Lower Upper
83 100
85 63.9 52.6 78.8



#30
Cyclohexane
Concen: 9.369 ppbv
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 84 Resp: 1155627
Ion Ratio Lower Upper
84 100
56 147.0 114.6 171.8
41 93.3 75.3 112.9



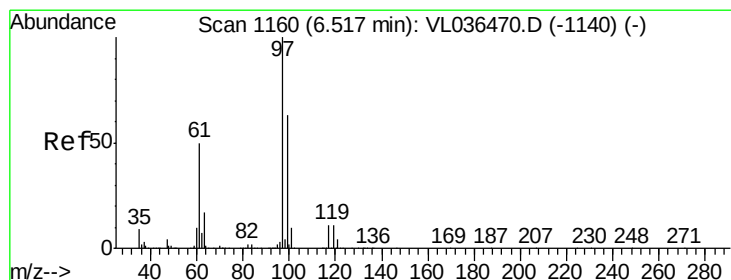
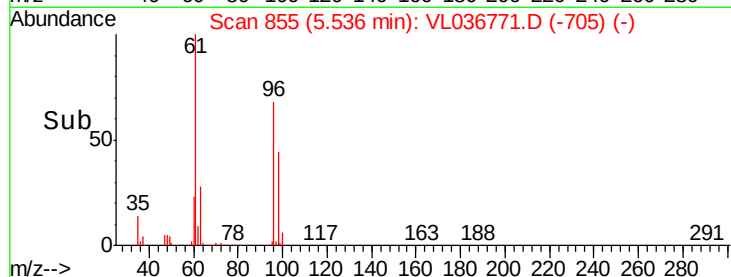
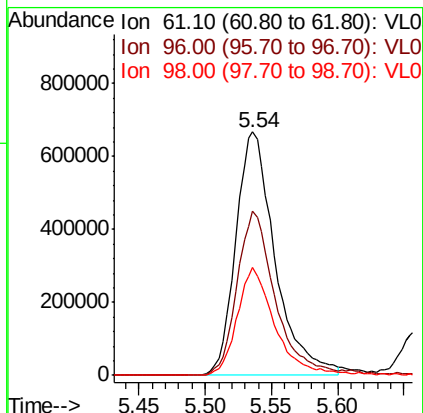
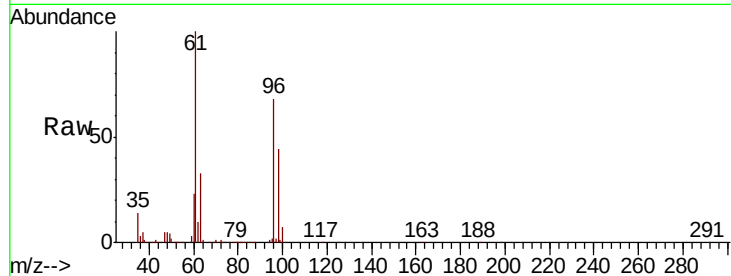


#31

cis-1,2-Dichloroethene
 Concen: 9.332 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

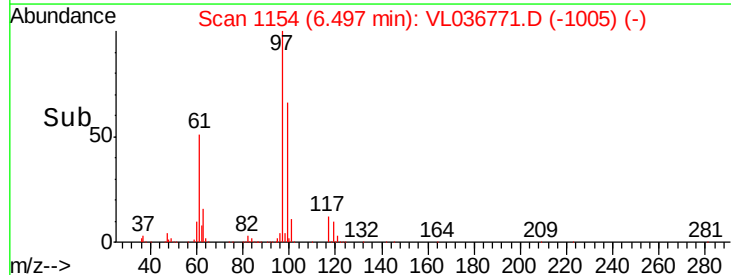
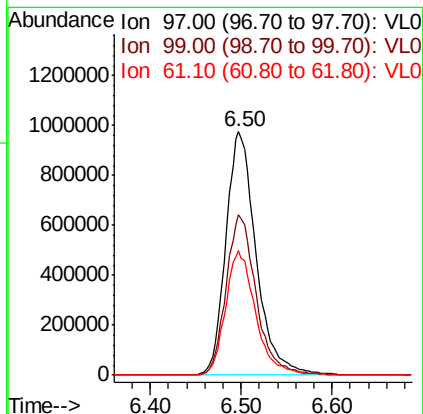
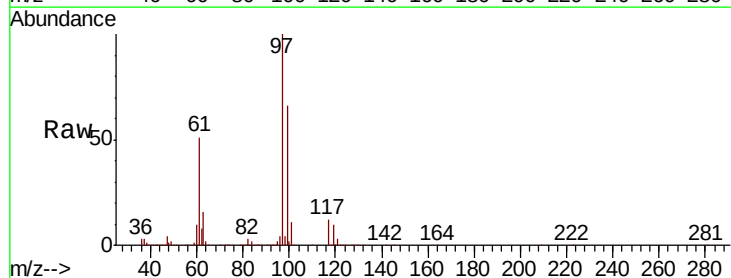
Tot Ion: 61 Resp: 1372870
 Ion Ratio Lower Upper
 61 100
 96 67.7 48.7 73.1
 98 44.1 31.4 47.0

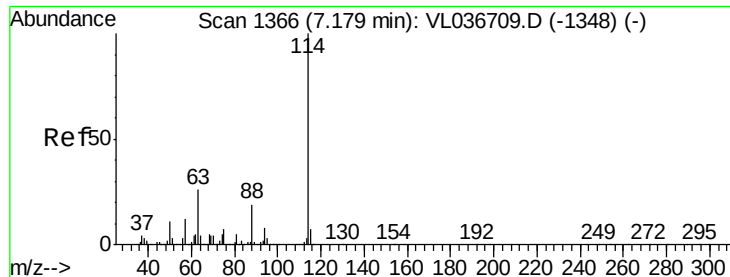


#32

1,1,1-Trichloroethane
 Concen: 9.200 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion: 97 Resp: 2255289
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.4 77.0
 61 50.6 40.6 60.8

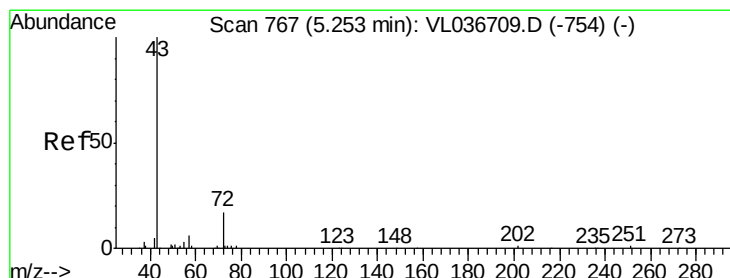
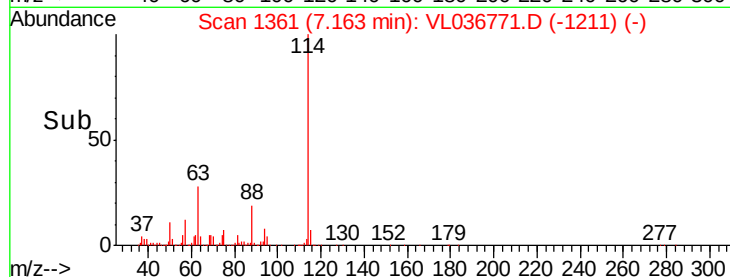
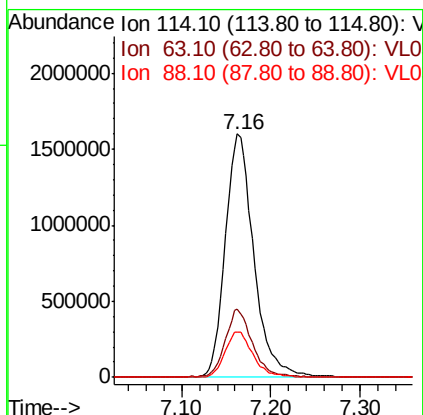
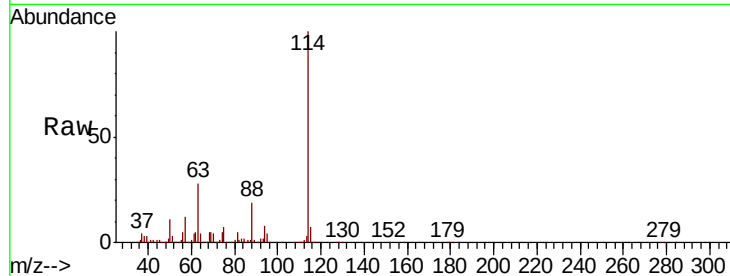




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

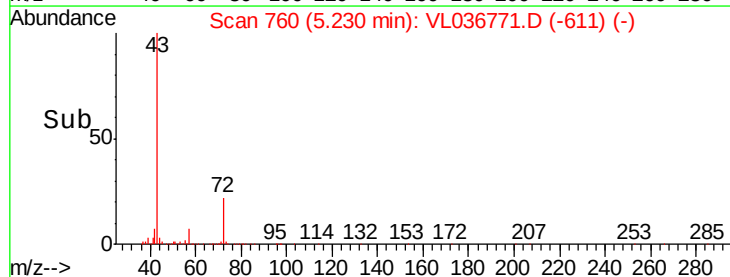
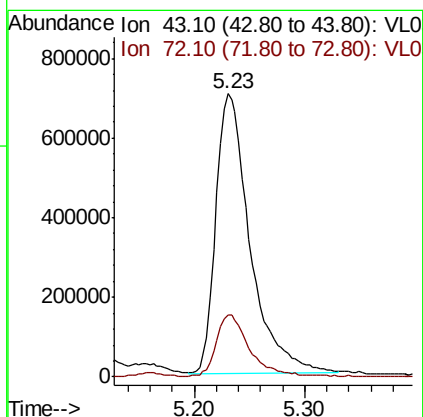
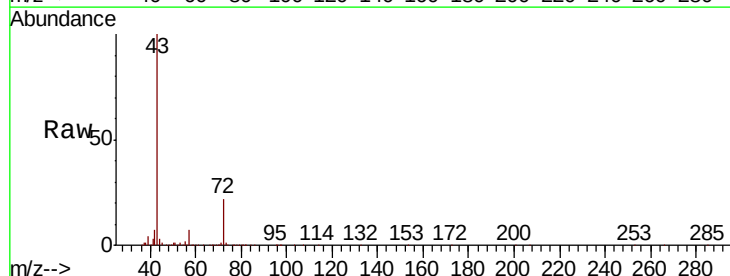
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

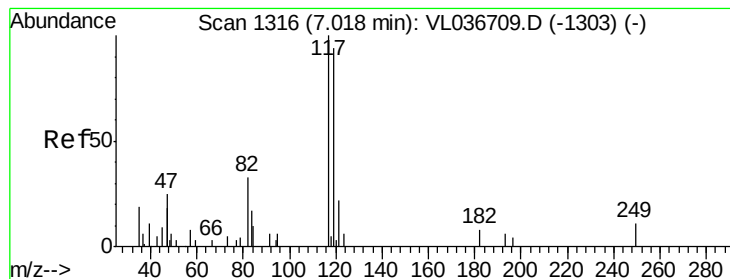
Tot Ion:114 Resp: 3546775
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.4 33.6
 88 18.5 15.4 23.0



#34
 2-Butanone
 Concen: 8.709 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion: 43 Resp: 1507871
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.0 25.6





#35

Carbon Tetrachloride

Concen: 8.651 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

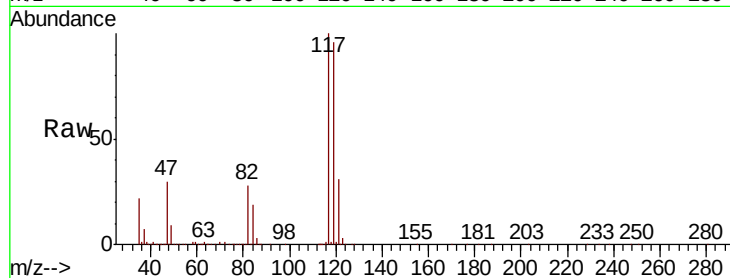
Tot Ion:117 Resp: 2356729

Ion Ratio Lower Upper

117 100

119 96.1 78.2 117.2

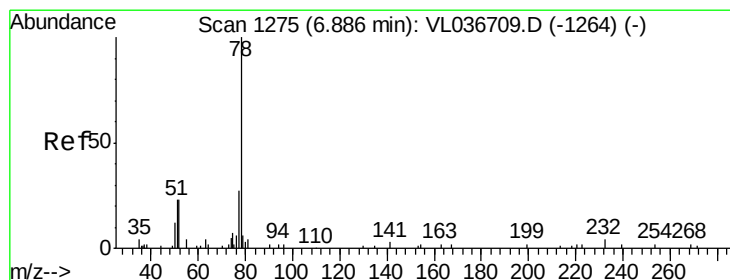
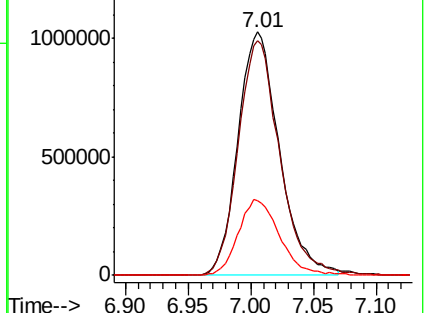
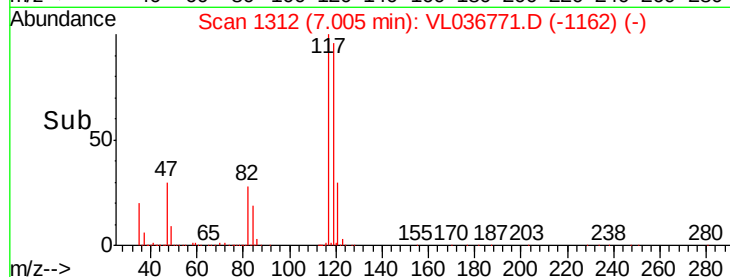
121 30.6 24.5 36.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.933 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

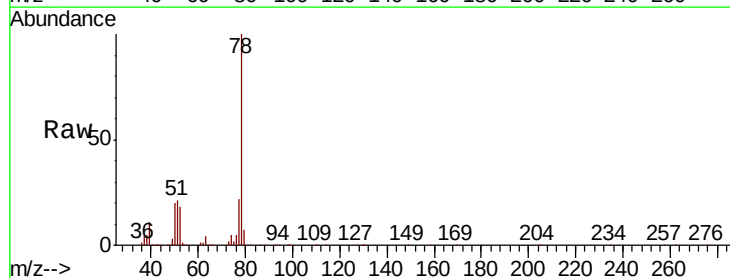
Tgt Ion: 78 Resp: 2922189

Ion Ratio Lower Upper

78 100

77 22.0 18.0 27.0

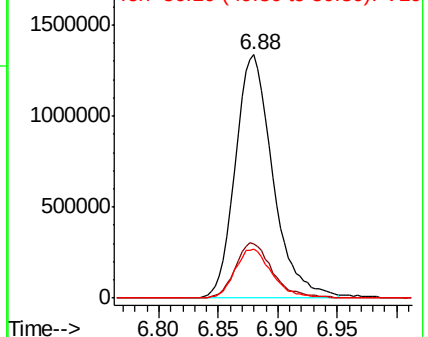
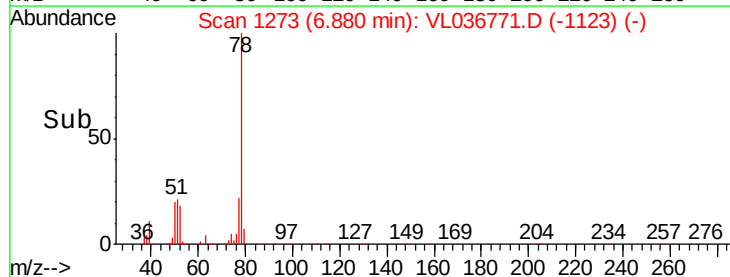
50 20.2 16.5 24.7

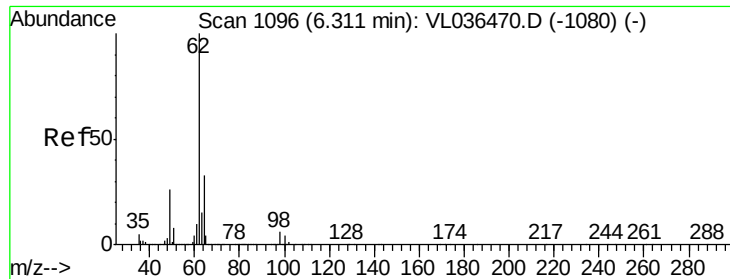


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

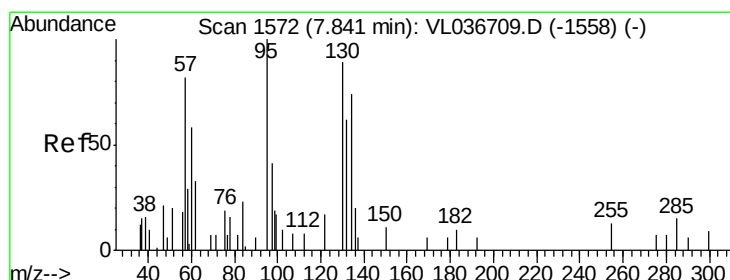
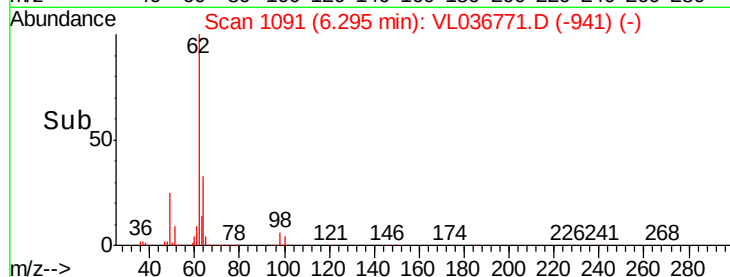
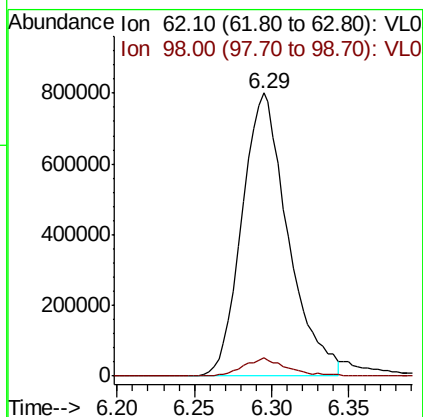
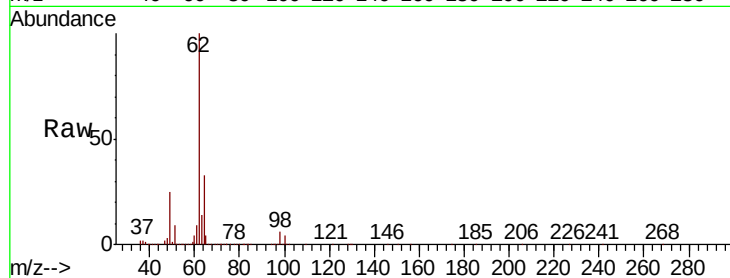




#37
1,2-Dichloroethane
Concen: 8.609 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

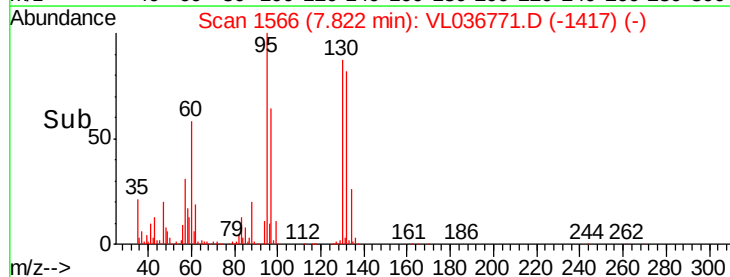
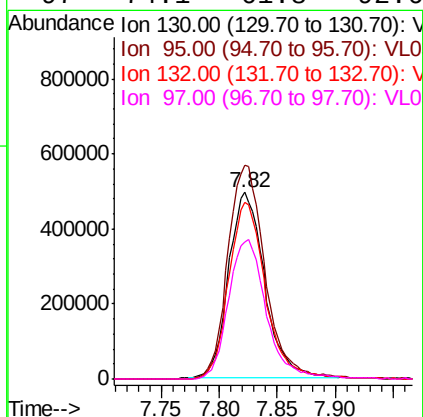
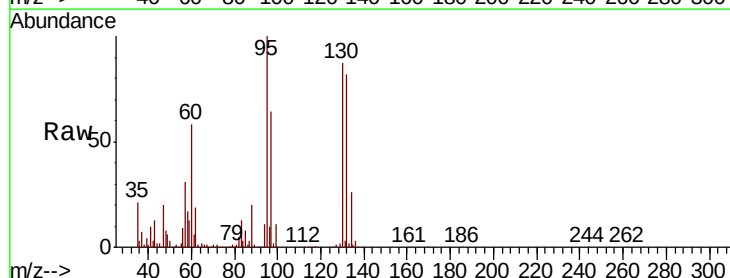
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

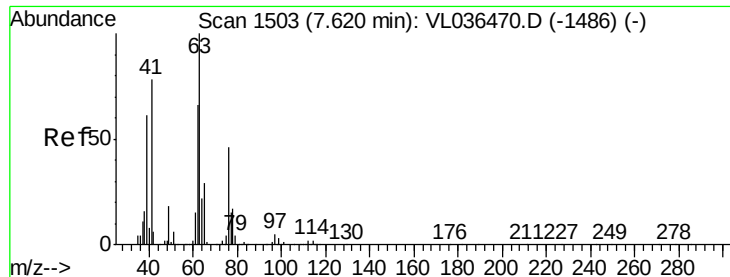
Tot Ion: 62 Resp: 1657387
Ion Ratio Lower Upper
62 100
98 6.3 4.9 7.3



#38
Trichloroethene
Concen: 8.373 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 130 Resp: 1065909
Ion Ratio Lower Upper
130 100
95 115.1 95.7 143.5
132 94.9 76.2 114.4
97 74.1 61.8 92.6





#39

1,2-Dichloropropane

Concen: 8.657 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

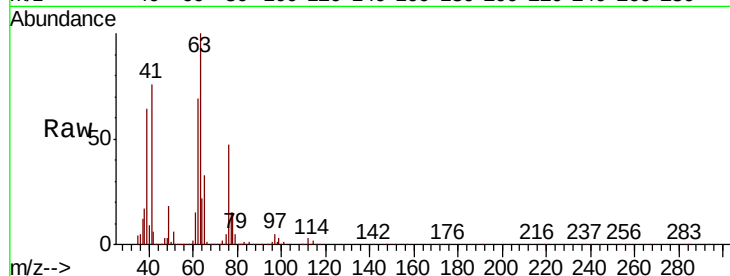
Tot Ion: 63 Resp: 1148712

Ion Ratio Lower Upper

63 100

41 75.8 62.4 93.6

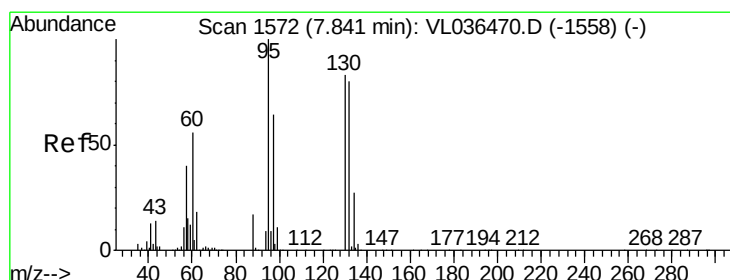
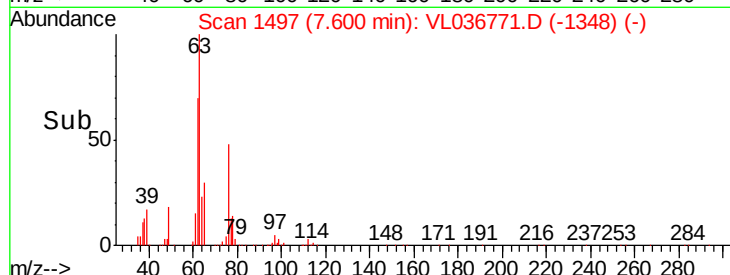
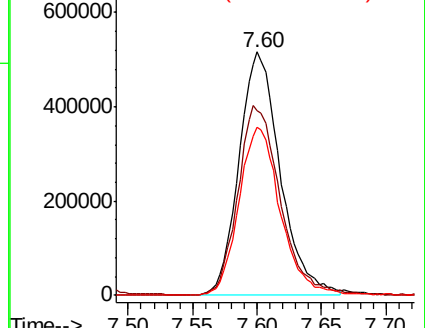
62 69.1 52.8 79.2



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: 9.318 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.03 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion: 88 Resp: 287774

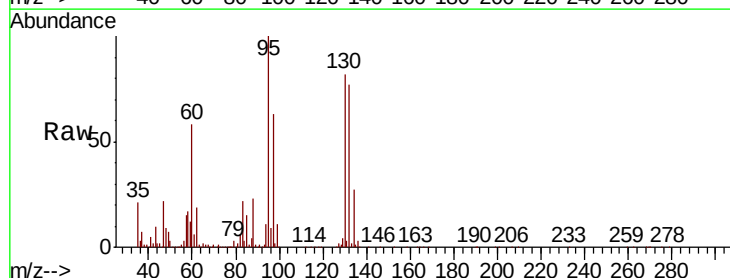
Ion Ratio Lower Upper

88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

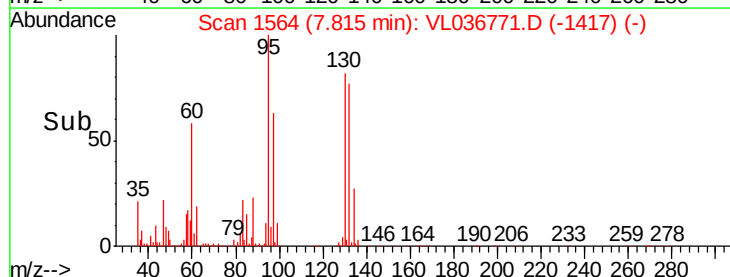
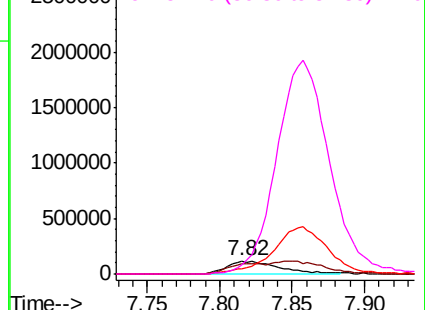


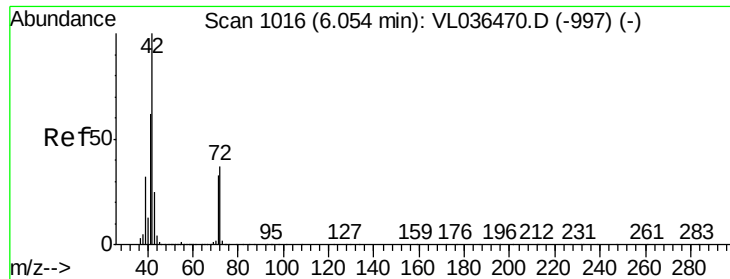
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

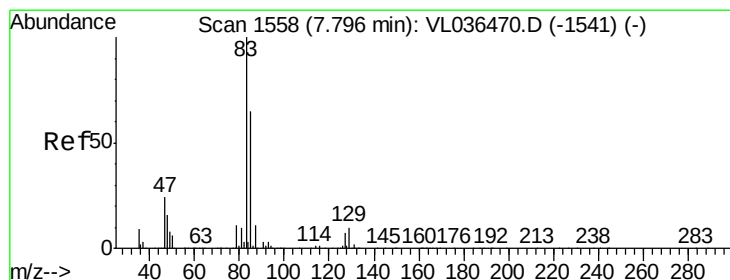
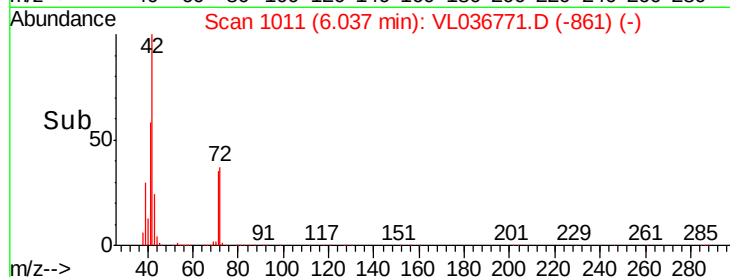
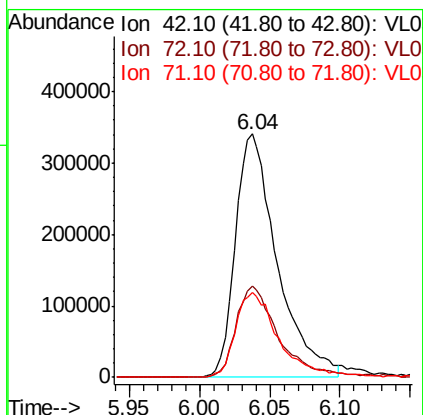
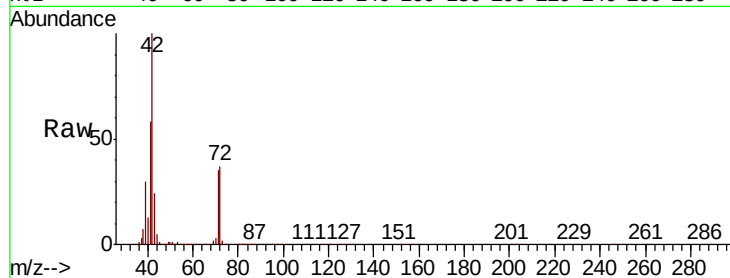




#41
Tetrahydrofuran
Concen: 8.855 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

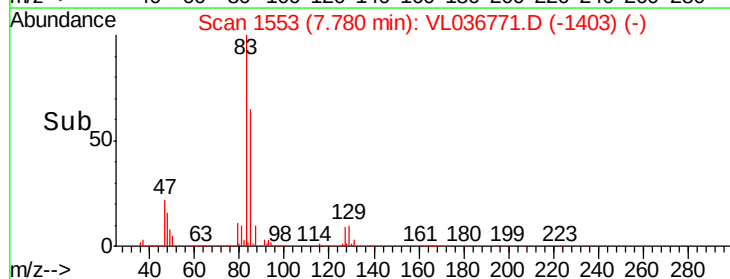
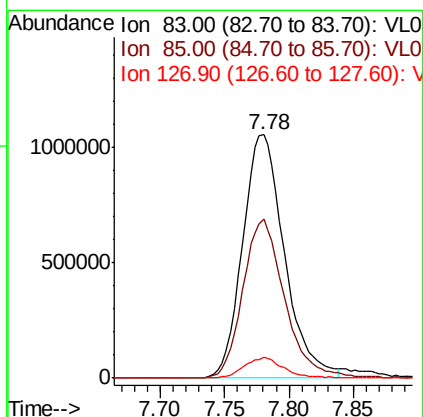
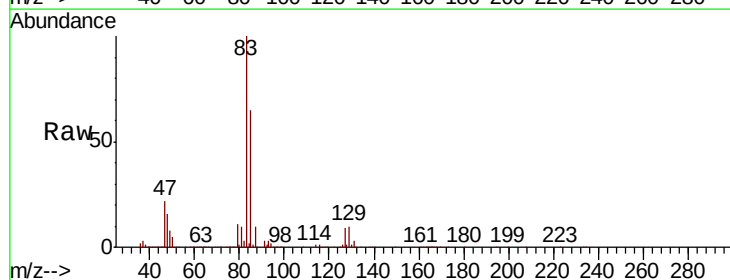
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

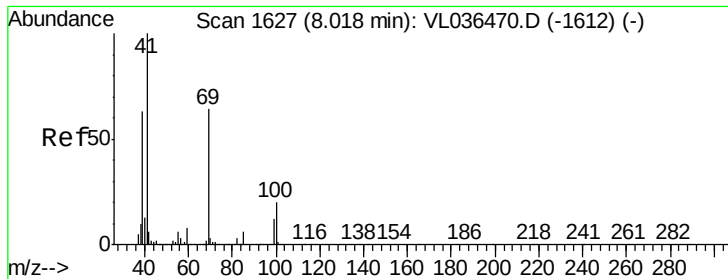
Tot Ion: 42 Resp: 706873
Ion Ratio Lower Upper
42 100
72 38.7 27.6 41.4
71 36.9 27.0 40.4



#42
Bromodichloromethane
Concen: 9.136 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion: 83 Resp: 2392378
Ion Ratio Lower Upper
83 100
85 65.1 51.8 77.6
127 8.5 5.8 8.8





#43

Methyl Methacrylate

Concen: 9.644 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. -0.02 min

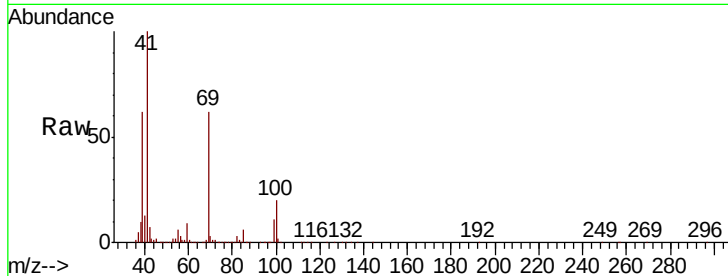
Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

Tot Ion: 69 Resp: 1059332

Ion	Ratio	Lower	Upper
69	100		
41	155.8	126.8	190.2
100	32.2	24.9	37.3

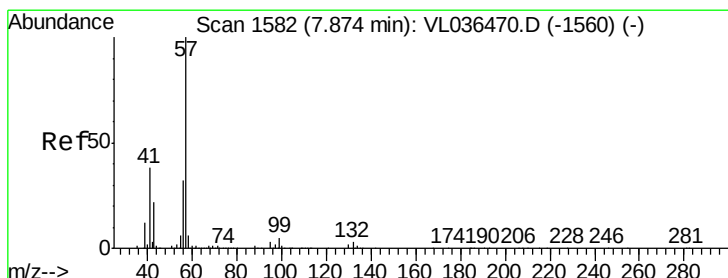
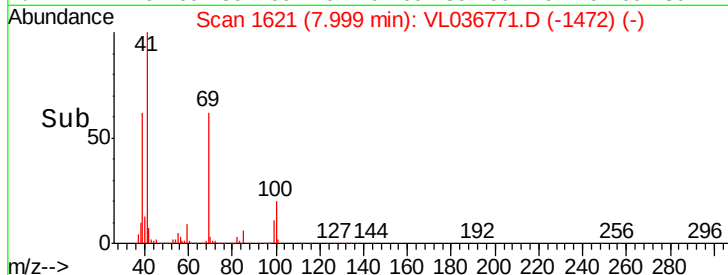
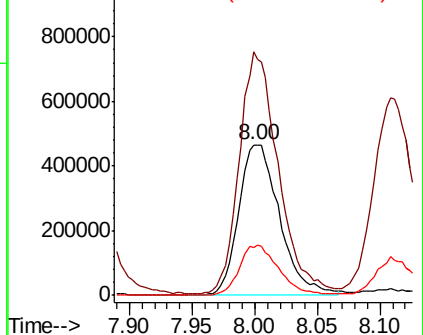


Abundance

Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 8.566 ppbv

RT: 7.86 min Scan# 1577

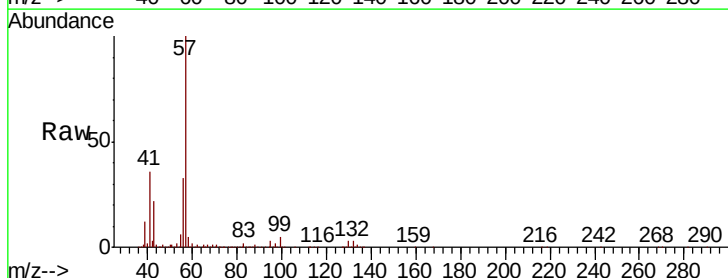
Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion: 57 Resp: 4931550

Ion	Ratio	Lower	Upper
57	100		
41	35.0	28.8	43.2
56	32.3	26.1	39.1

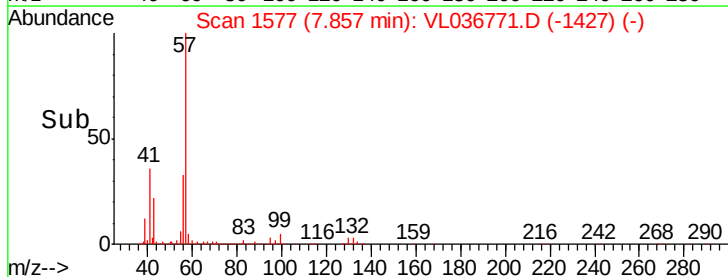
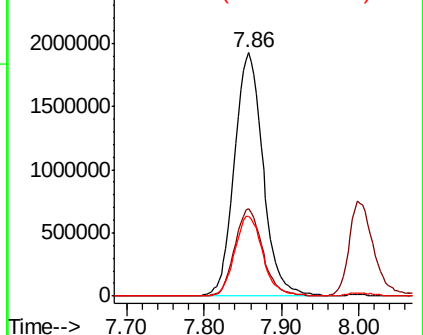


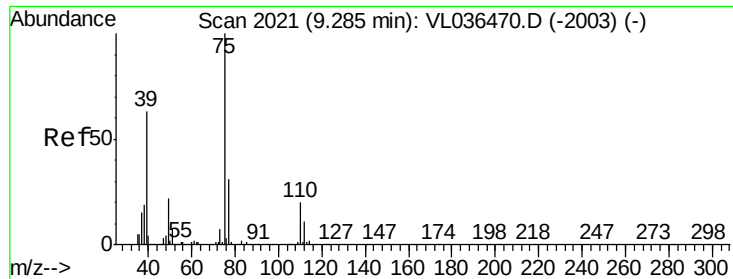
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

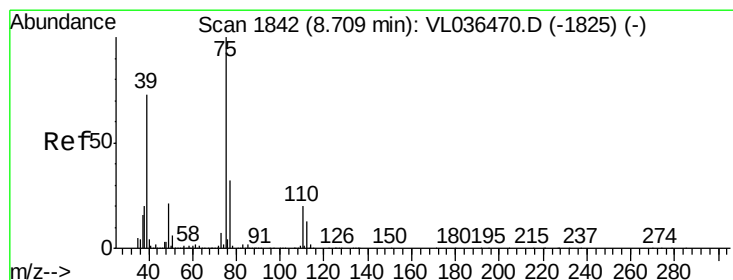
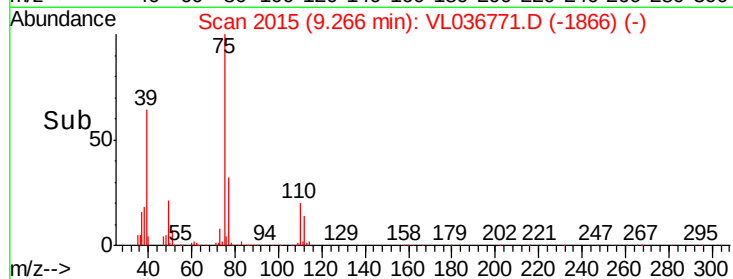
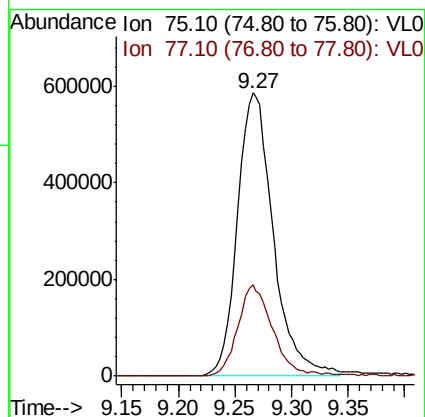
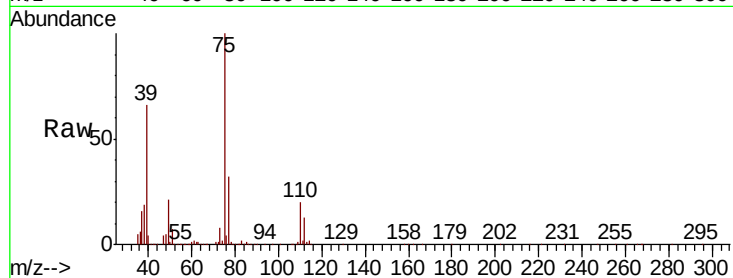




#45
 t-1,3-Dichloropropene
 Concen: 10.296 ppbv
 RT: 9.27 min Scan# 2015
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

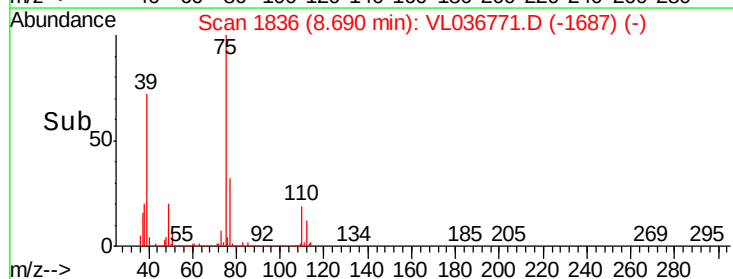
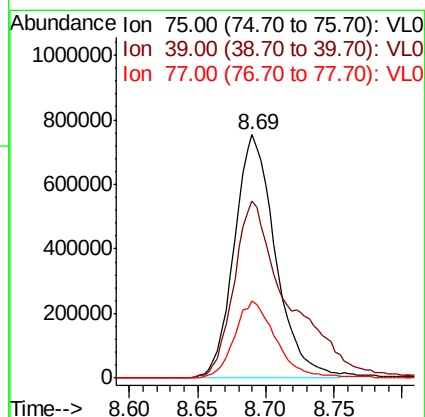
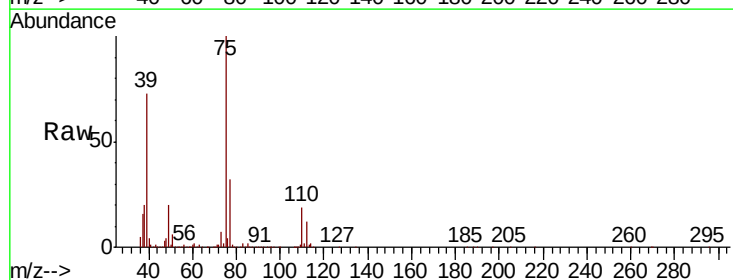
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

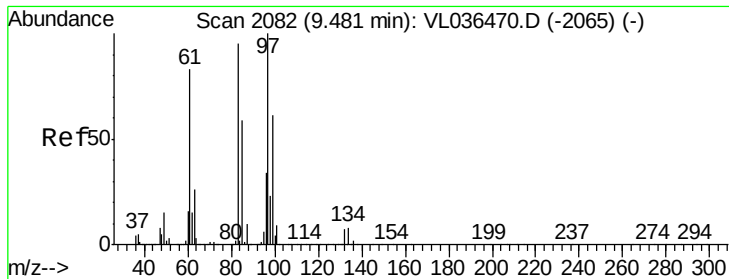
Tot Ion: 75 Resp: 1291368
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.1 37.7



#46
 cis-1,3-Dichloropropene
 Concen: 9.836 ppbv
 RT: 8.69 min Scan# 1836
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion: 75 Resp: 1576997
 Ion Ratio Lower Upper
 75 100
 39 72.5 58.2 87.2
 77 31.7 25.2 37.8



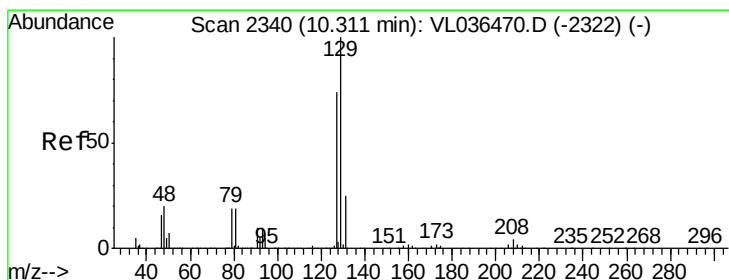
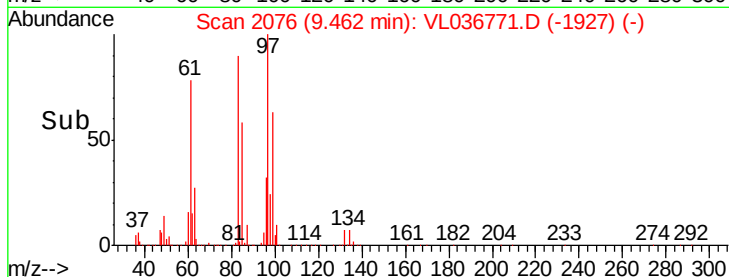
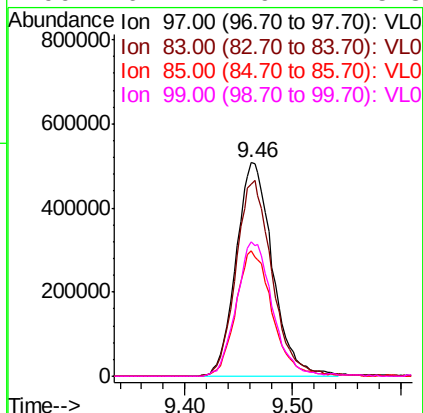
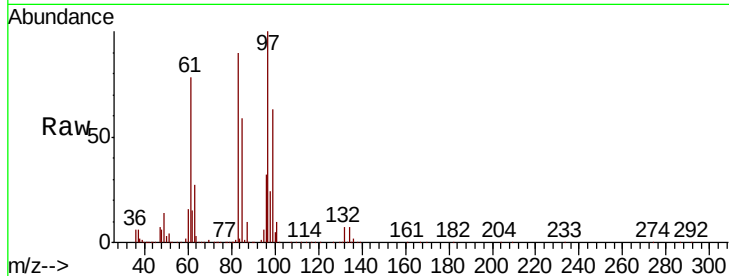


#47
 1,1,2-Trichloroethane
 Concen: 8.893 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Tot Ion: 97 Resp: 1195259

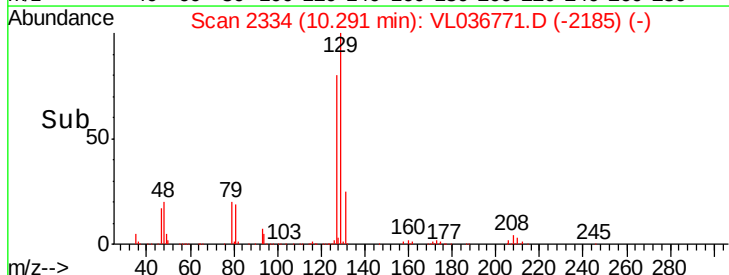
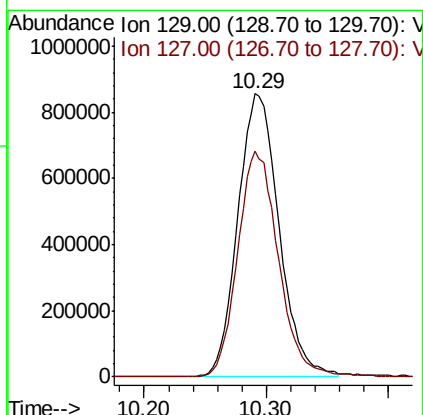
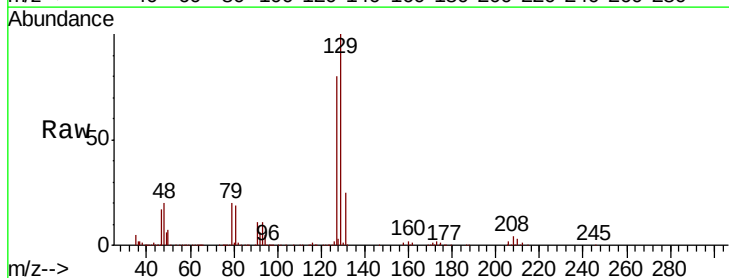
Ion	Ratio	Lower	Upper
97	100		
83	89.7	75.8	113.8
85	58.4	47.1	70.7
99	62.7	49.2	73.8

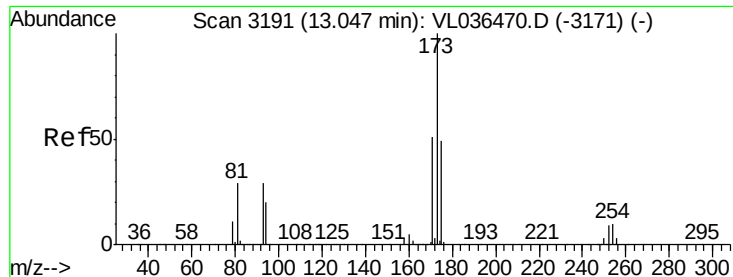


#48
 Dibromochloromethane
 Concen: 9.721 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion: 129 Resp: 1991538

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.6	118.8





#49

Bromoform

Concen: 9.900 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

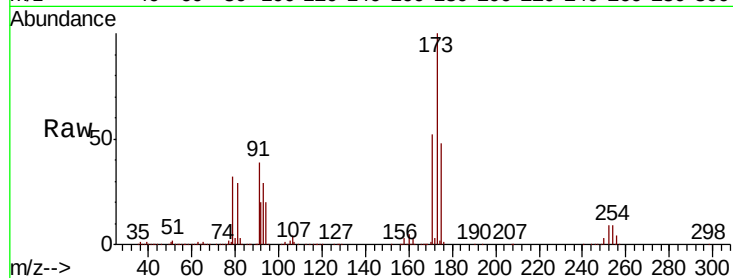
Tot Ion:173 Resp: 1634266

Ion Ratio Lower Upper

173 100

175 50.0 39.6 59.4

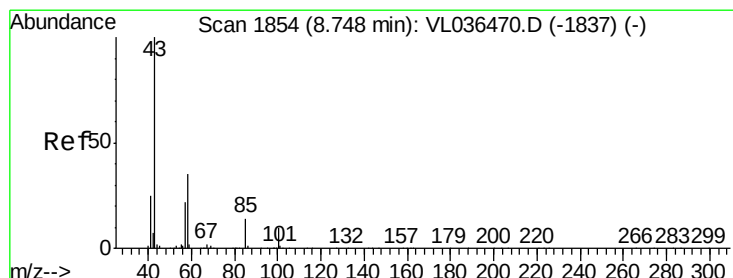
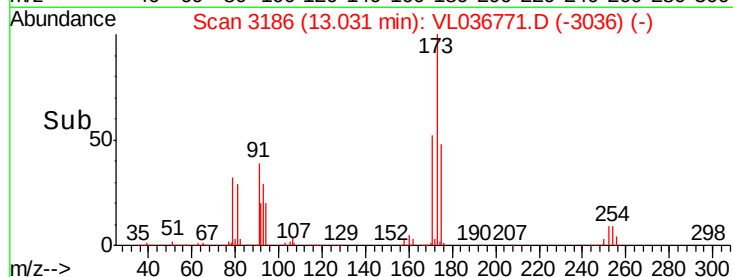
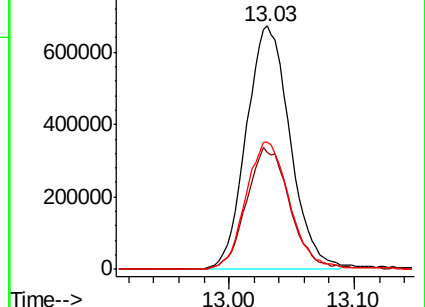
171 53.0 41.4 62.0



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: 9.143 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036771.D

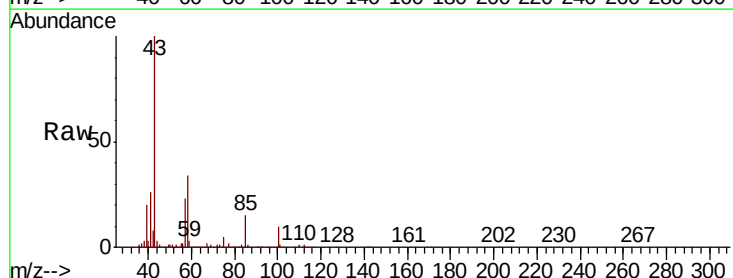
Acq: 9 Apr 2021 12:11

Tgt Ion: 43 Resp: 2290505

Ion Ratio Lower Upper

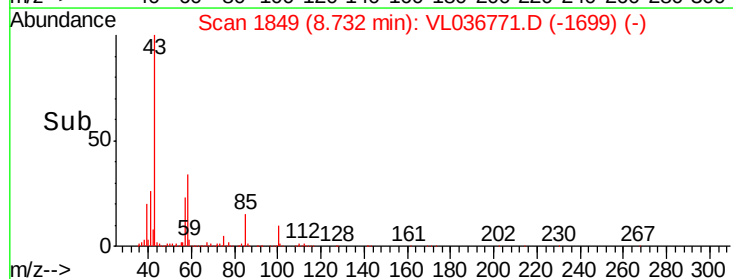
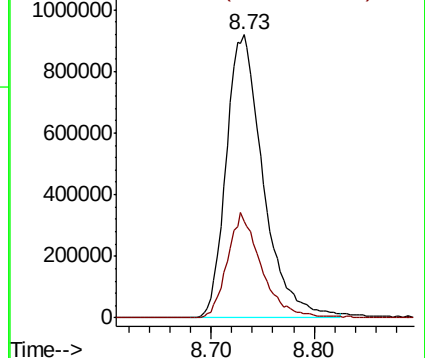
43 100

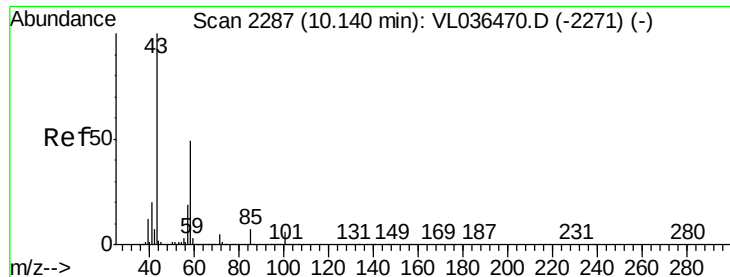
58 34.6 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.406 ppbv

RT: 10.13 min Scan# 2283

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

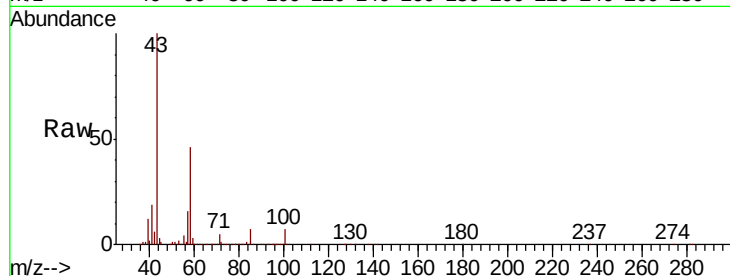
Tot Ion: 43 Resp: 1189052

Ion Ratio Lower Upper

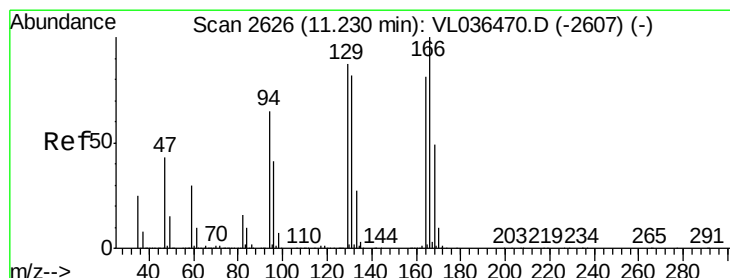
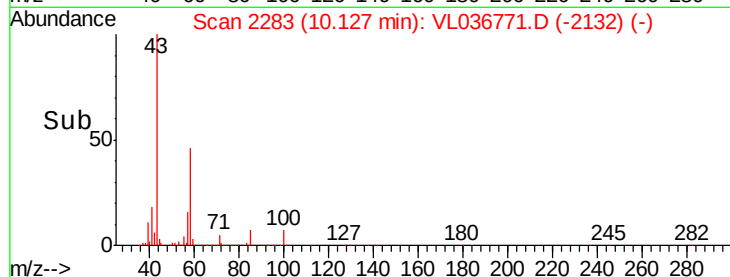
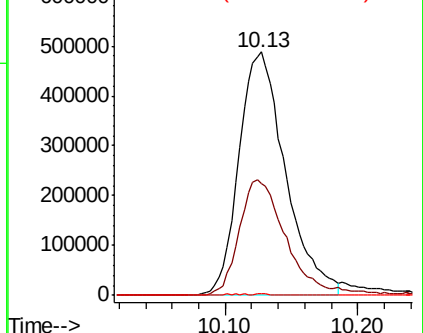
43 100

58 48.2 37.7 56.5

98 0.6 0.2 0.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.232 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion: 164 Resp: 991512

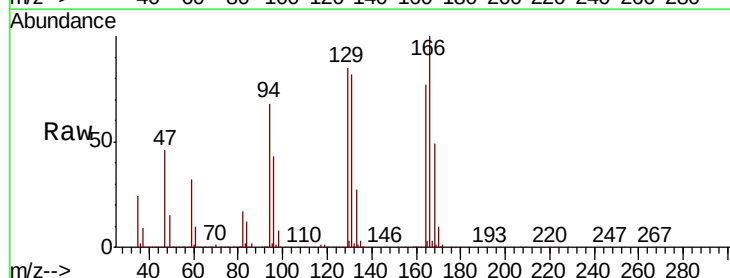
Ion Ratio Lower Upper

164 100

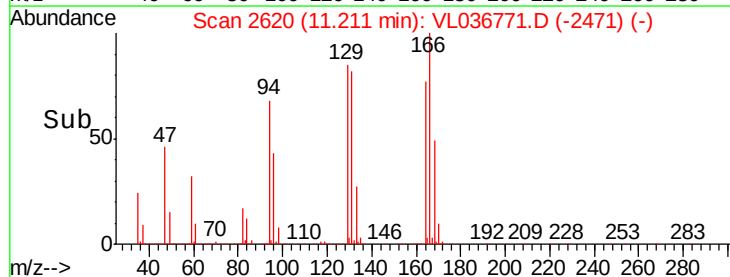
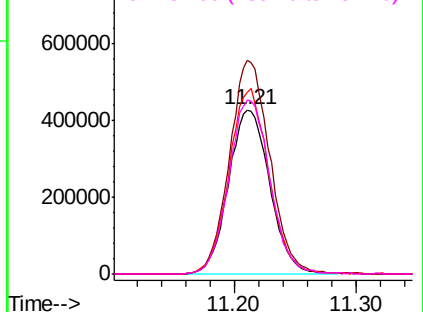
166 129.9 98.3 147.5

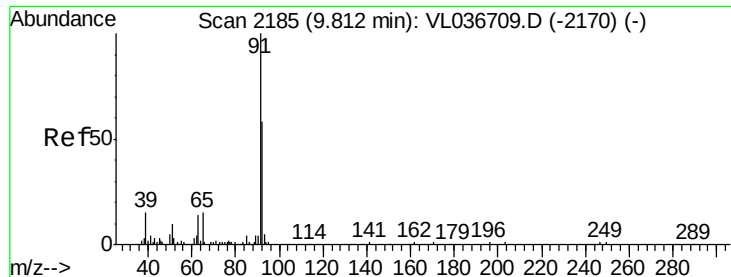
129 110.2 85.8 128.8

131 105.9 80.9 121.3



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.394 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

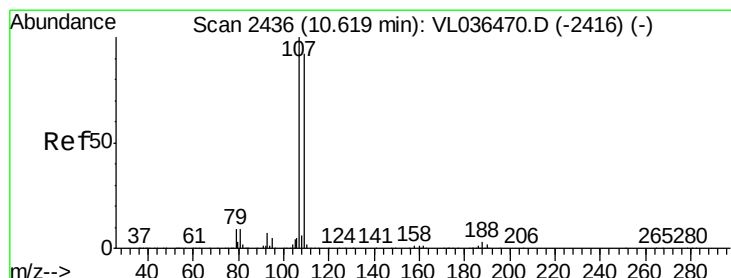
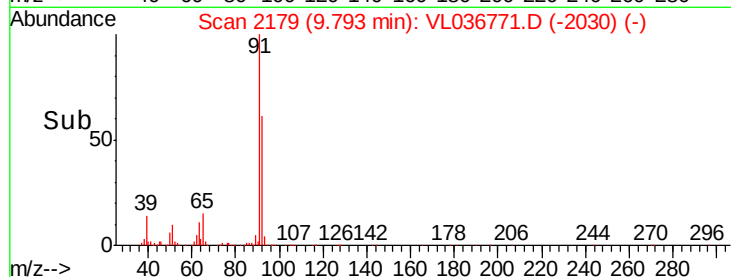
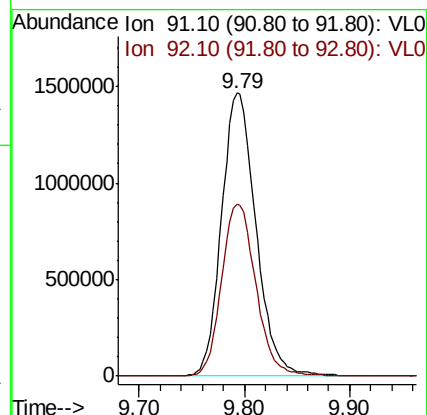
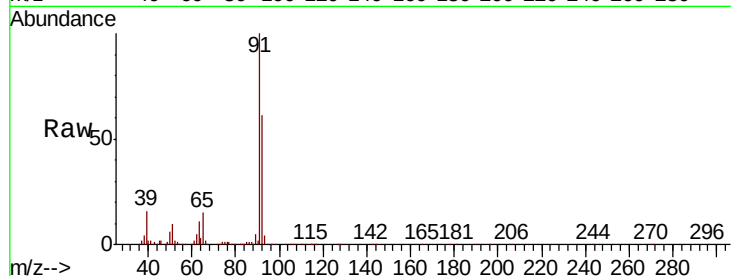
VL0409ABS01

Tot Ion: 91 Resp: 3272418

Ion Ratio Lower Upper

91 100

92 61.8 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.161 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.02 min

Lab File: VL036771.D

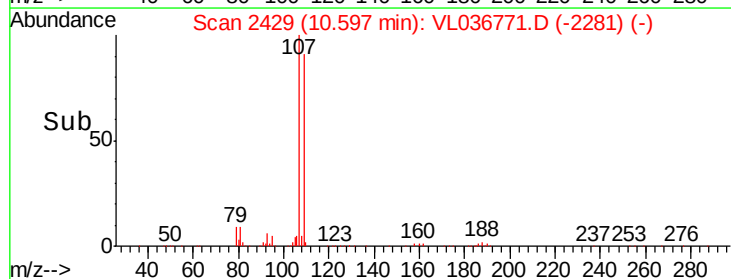
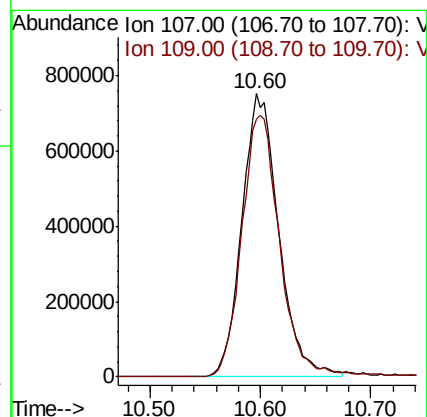
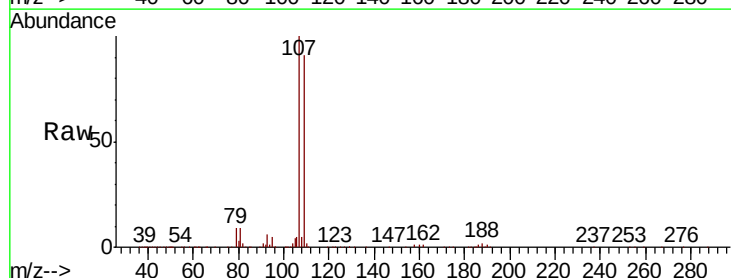
Acq: 9 Apr 2021 12:11

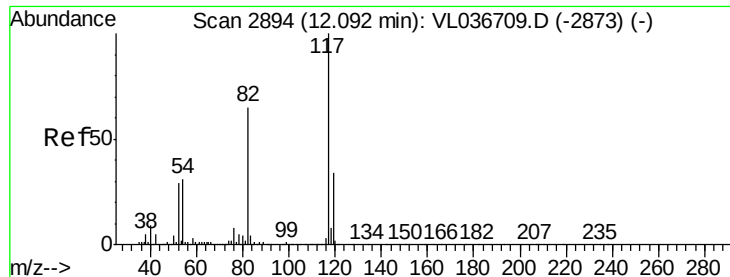
Tgt Ion: 107 Resp: 1738700

Ion Ratio Lower Upper

107 100

109 91.1 73.9 110.9

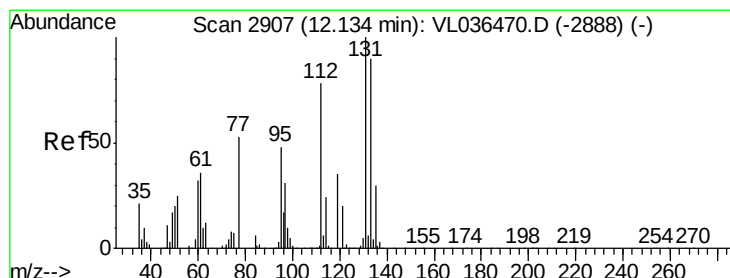
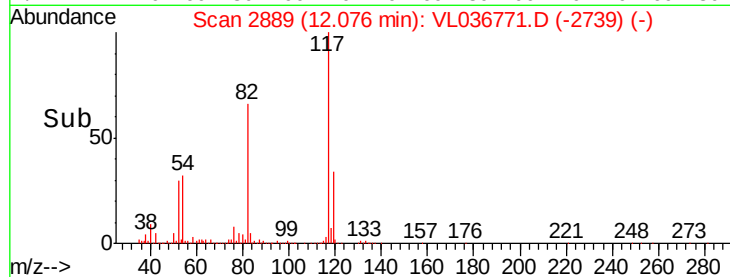
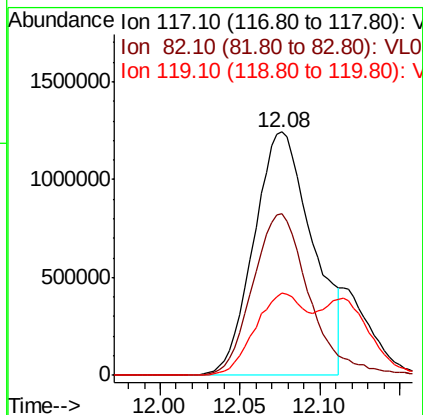
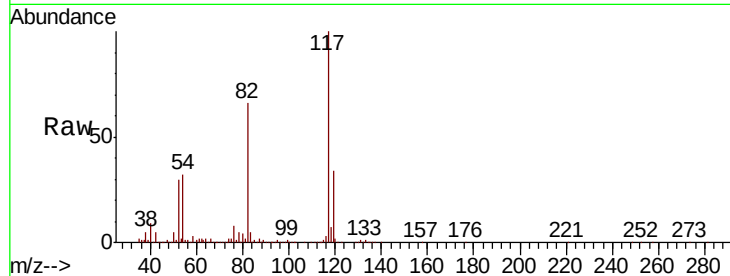




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

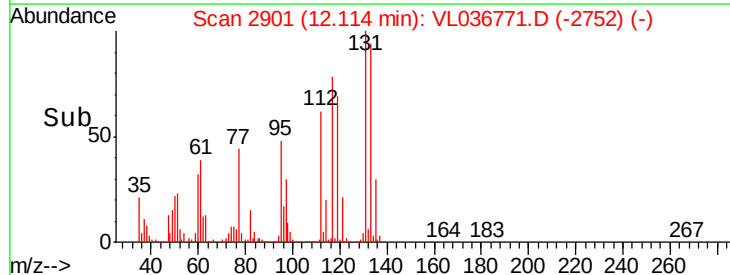
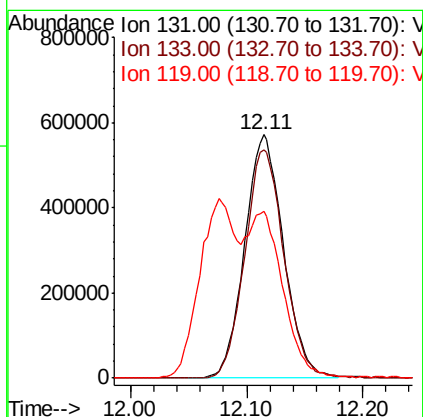
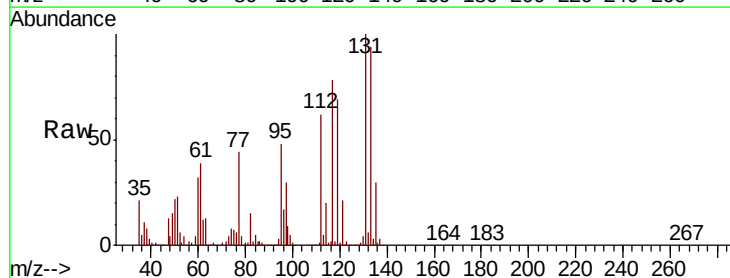
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

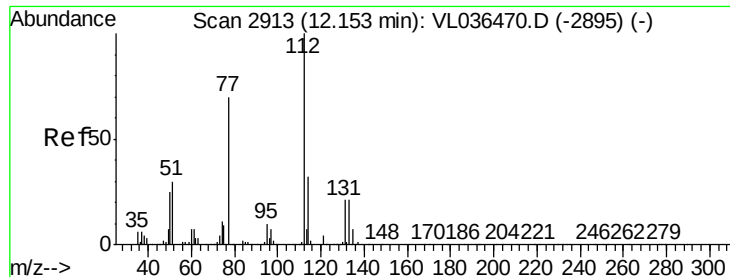
Tot Ion:117 Resp: 3166384
Ion Ratio Lower Upper
117 100
82 64.7 57.4 86.0
119 29.6 47.4 71.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.262 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.02 min
Lab File: VL036771.D
Acq: 9 Apr 2021 12:11

Tgt Ion:131 Resp: 1326493
Ion Ratio Lower Upper
131 100
133 95.4 75.8 113.6
119 55.0 48.7 73.1





#57

Chlorobenzene

Concen: 9.003 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

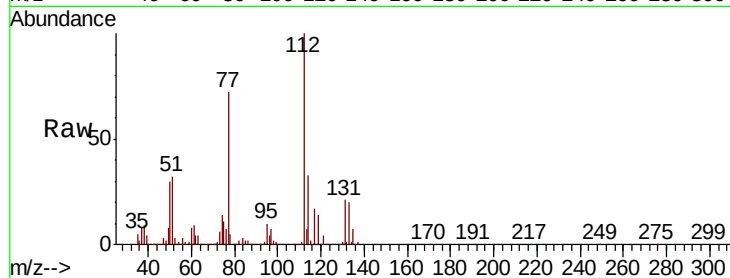
Tot Ion:112 Resp: 2425532

Ion Ratio Lower Upper

112 100

77 71.3 56.0 84.0

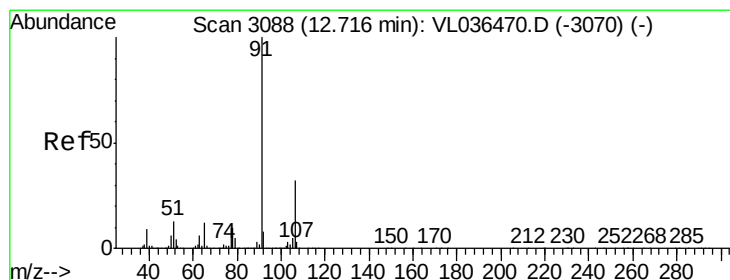
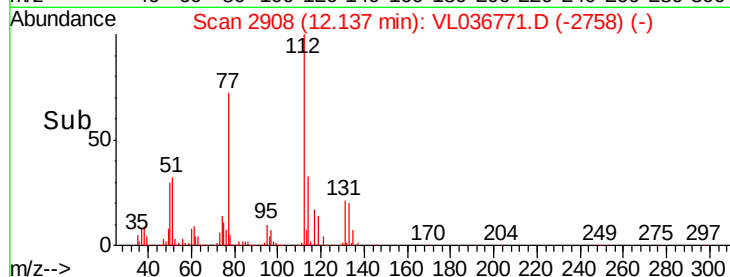
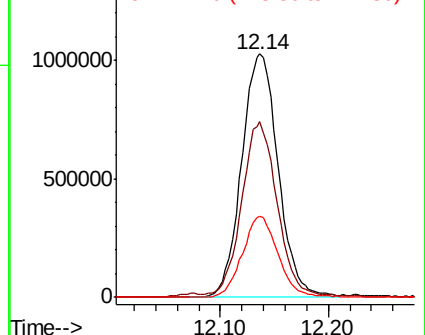
114 33.1 29.0 35.4



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: 9.543 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. -0.02 min

Lab File: VL036771.D

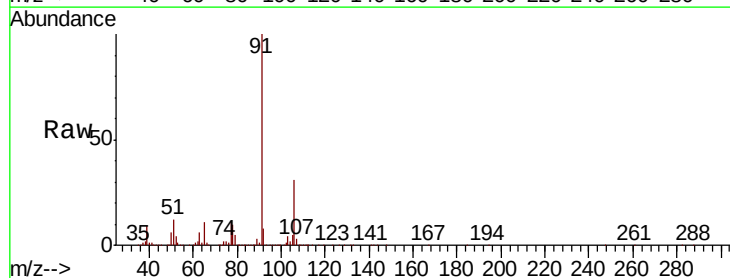
Acq: 9 Apr 2021 12:11

Tgt Ion: 91 Resp: 4396026

Ion Ratio Lower Upper

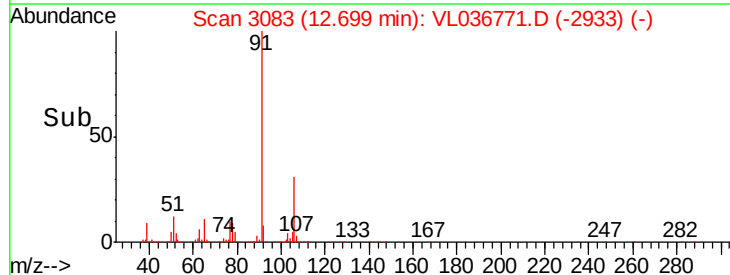
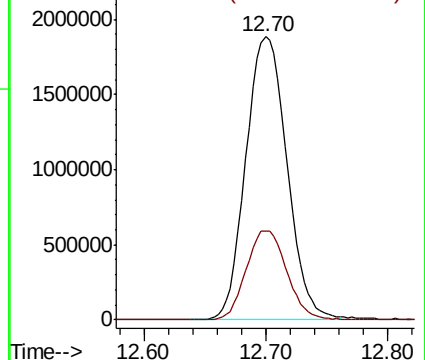
91 100

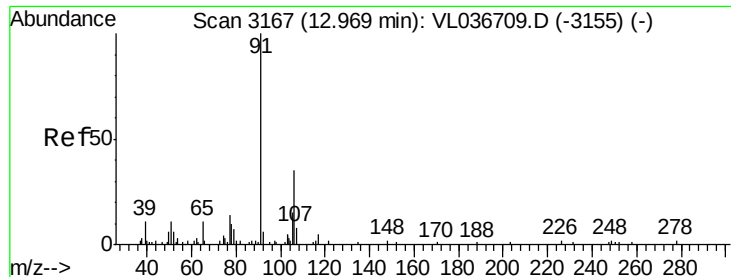
106 31.4 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.726 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

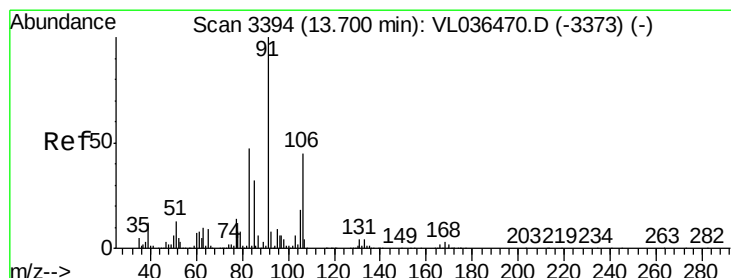
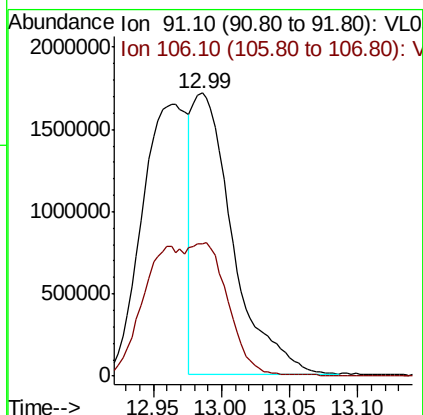
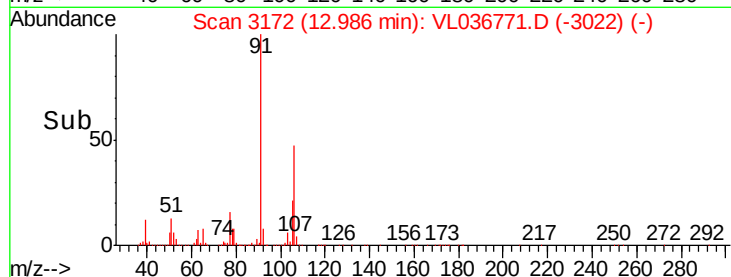
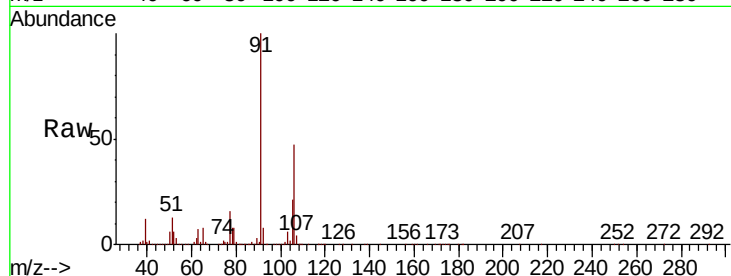
VL0409ABS01

Tot Ion: 91 Resp: 3506065

Ion Ratio Lower Upper

91 100

106 93.9 35.3 52.9#



#60

o-Xylene

Concen: 9.052 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.02 min

Lab File: VL036771.D

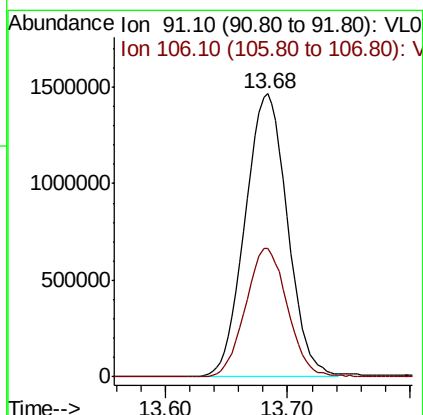
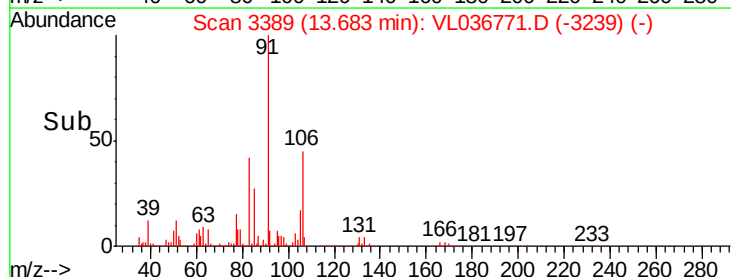
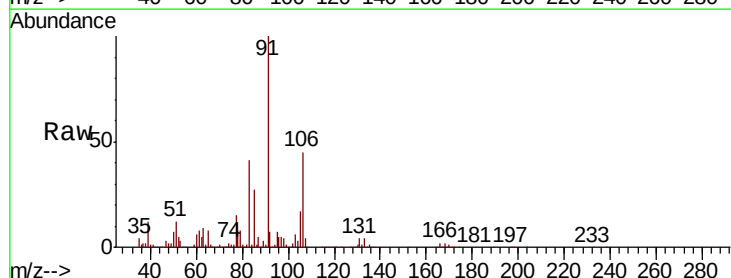
Acq: 9 Apr 2021 12:11

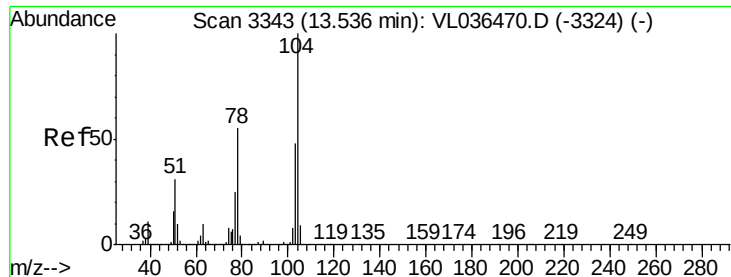
Tgt Ion: 91 Resp: 3516530

Ion Ratio Lower Upper

91 100

106 45.2 22.3 66.9





#61

Stvrene

Concen: 10.578 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

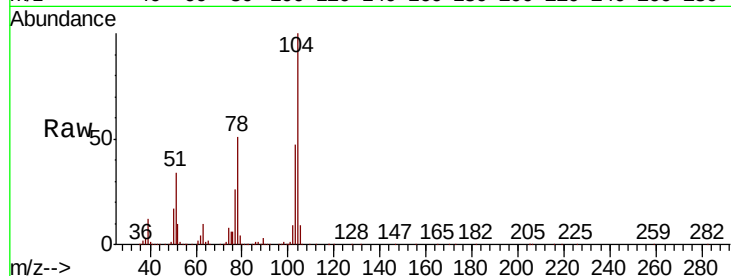
Tot Ion:104 Resp: 2067520

Ion Ratio Lower Upper

104 100

78 53.6 43.8 65.8

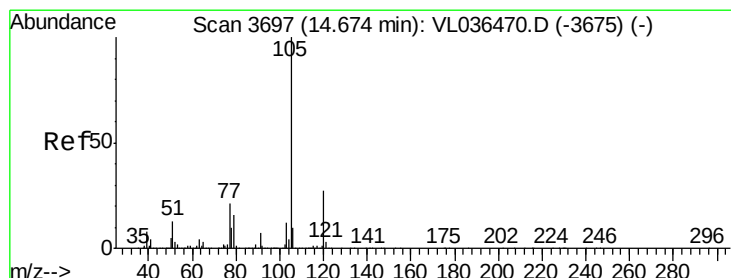
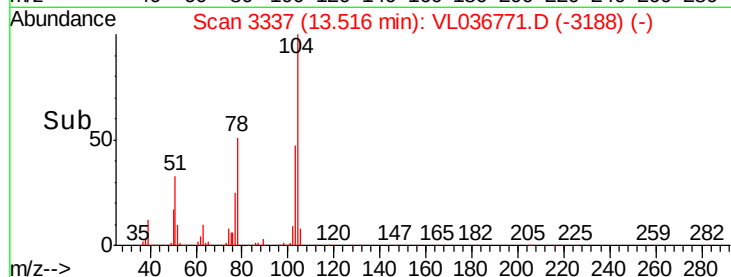
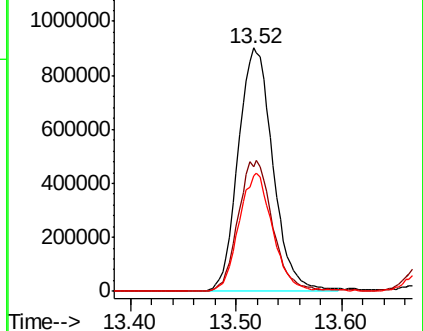
103 47.4 38.3 57.5



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: 9.072 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.02 min

Lab File: VL036771.D

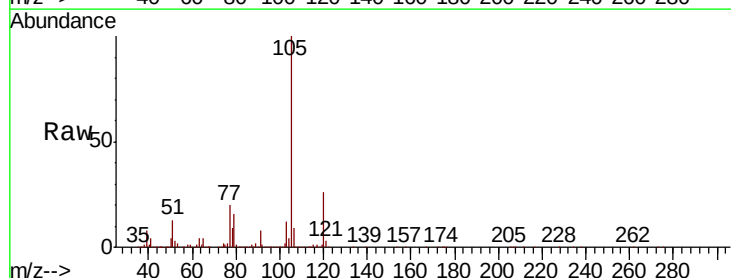
Acq: 9 Apr 2021 12:11

Tgt Ion:105 Resp: 4746342

Ion Ratio Lower Upper

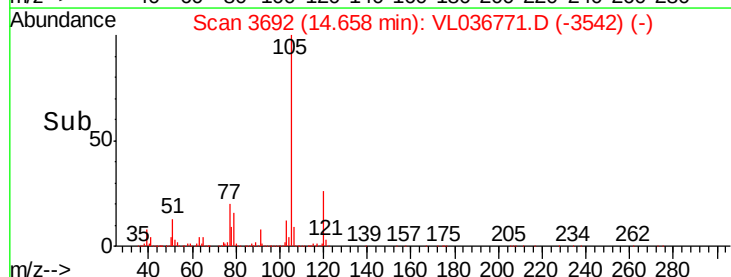
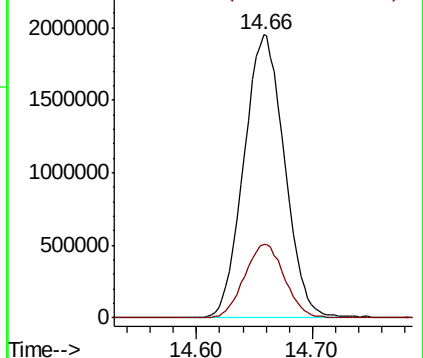
105 100

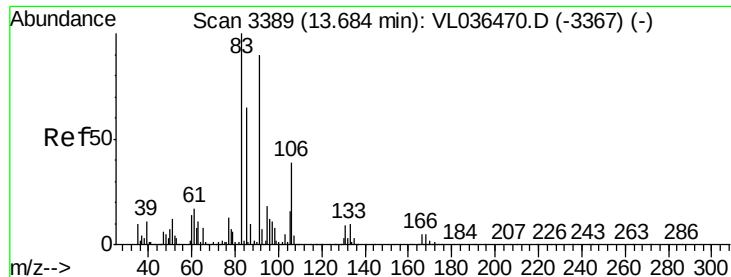
120 25.8 20.6 31.0



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: 8.589 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

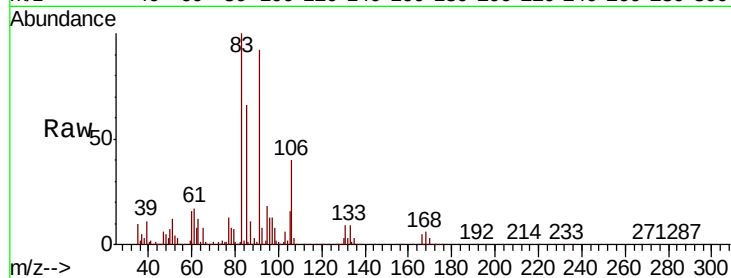
Tot Ion: 83 Resp: 2545461

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

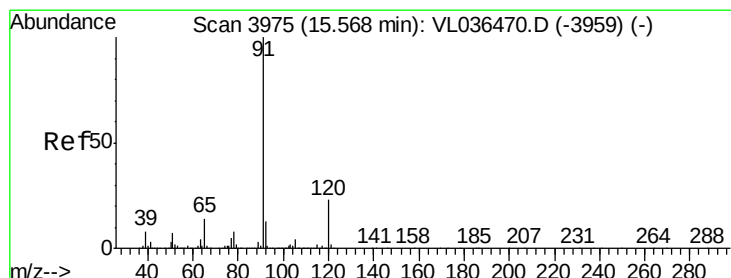
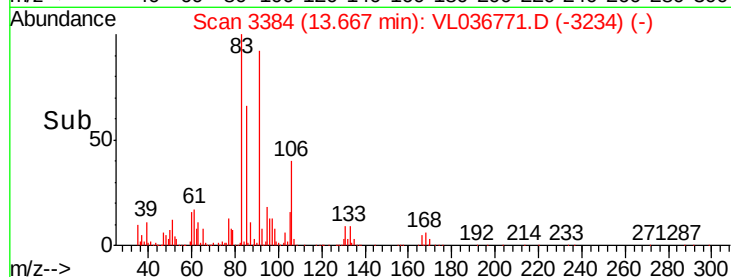
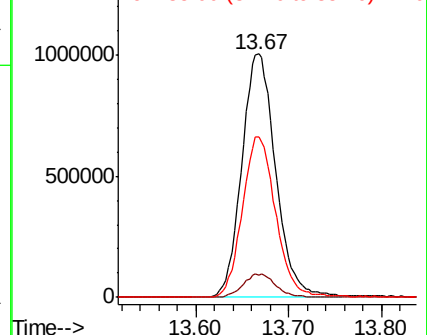
85 65.1 33.1 99.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.708 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.02 min

Lab File: VL036771.D

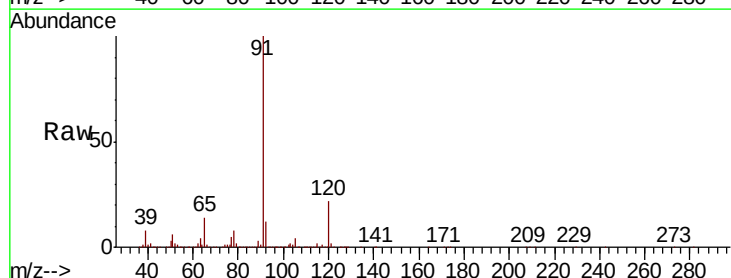
Acq: 9 Apr 2021 12:11

Tgt Ion: 120 Resp: 1241746

Ion Ratio Lower Upper

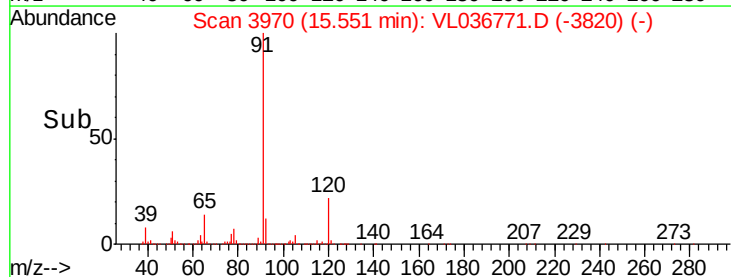
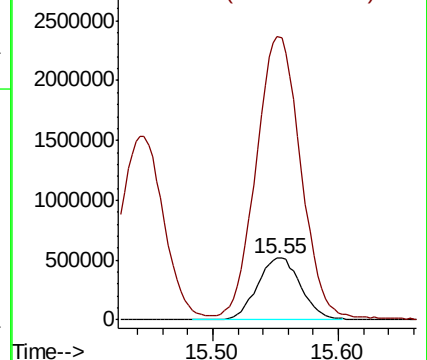
120 100

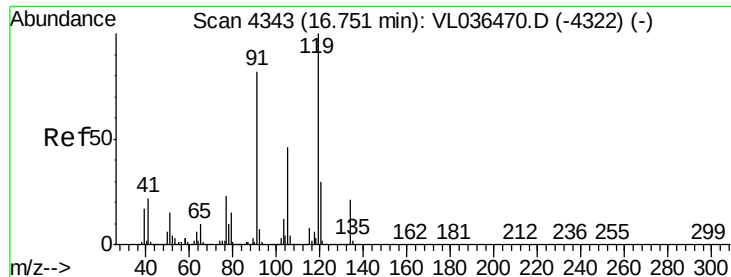
91 476.9 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

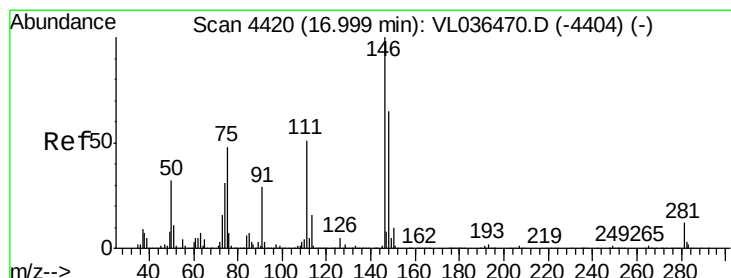
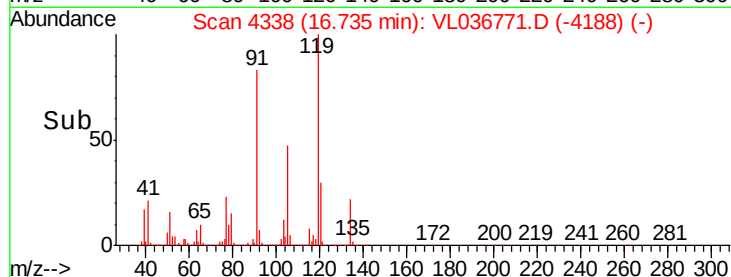
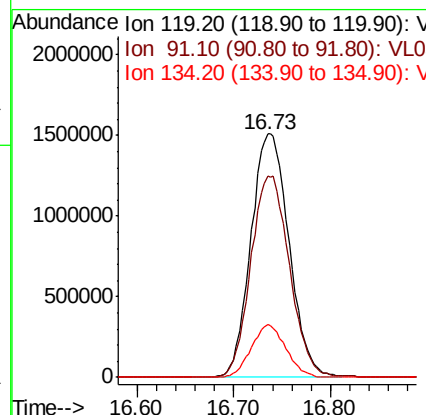
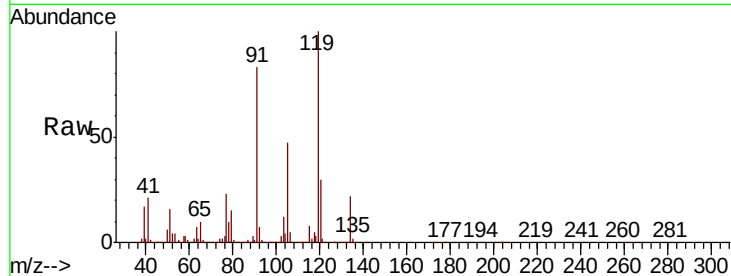




#65
 tert-Butylbenzene
 Concen: 9.102 ppbv
 RT: 16.73 min Scan# 4338
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

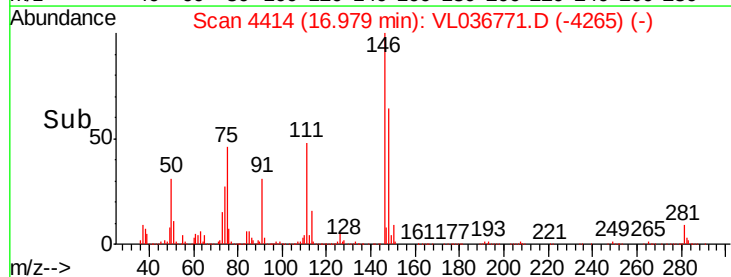
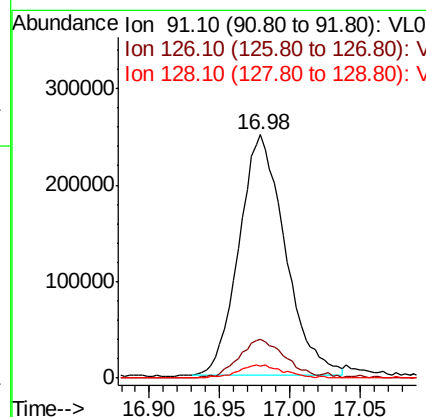
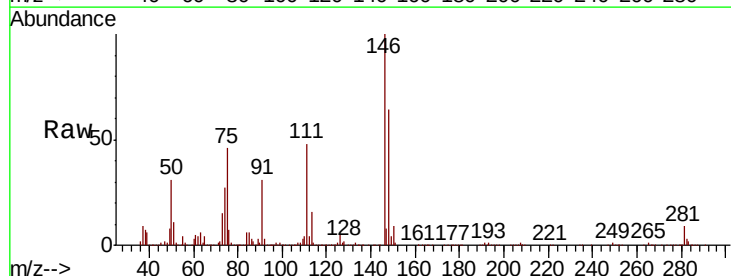
Instrument :
 MSVOA_L
 ClientSampleID :
 VL0409ABS01

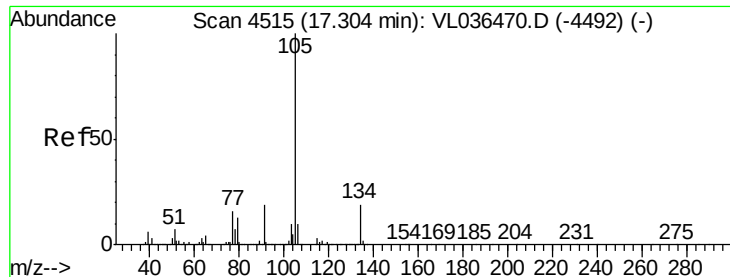
Tot Ion:119 Resp: 4129491
 Ion Ratio Lower Upper
 119 100
 91 84.2 67.5 101.3
 134 19.8 15.8 23.8



#66
 Benzyl Chloride
 Concen: 11.363 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion: 91 Resp: 569812
 Ion Ratio Lower Upper
 91 100
 126 17.2 13.5 20.3
 128 5.6 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.160 ppbv

RT: 17.29 min Scan# 4510

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

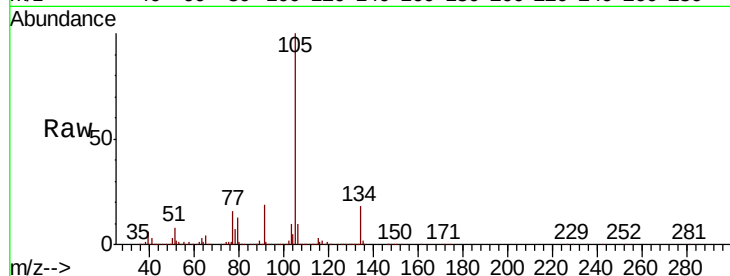
VL0409ABS01

Tot Ion:105 Resp: 5865955

Ion Ratio Lower Upper

105 100

134 17.9 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

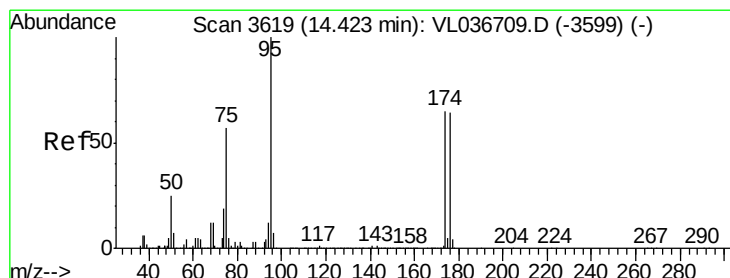
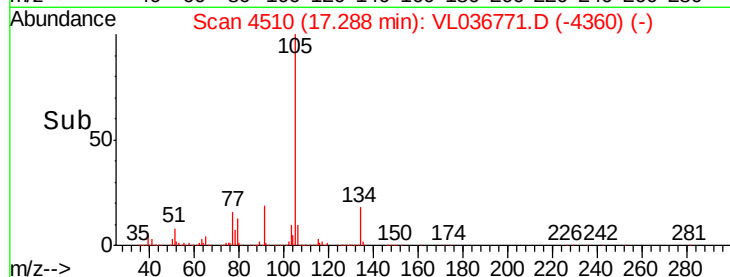
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.310 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

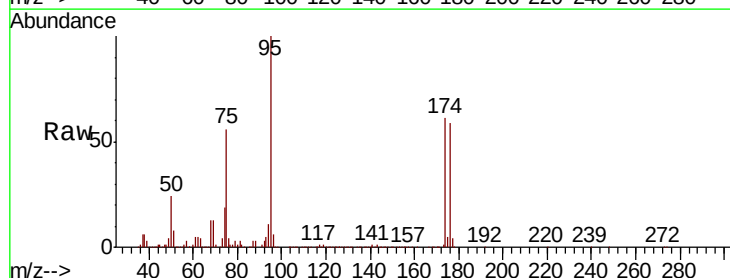
Tgt Ion: 95 Resp: 2097031

Ion Ratio Lower Upper

95 100

174 62.3 51.0 76.6

175 4.8 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

1200000

1000000

800000

600000

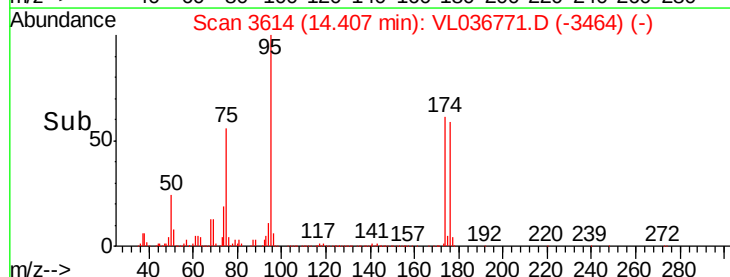
400000

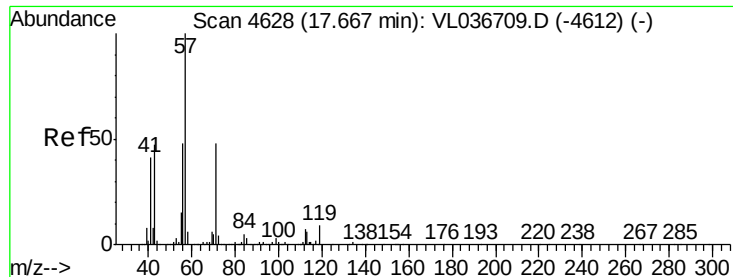
200000

0

14.30 14.40 14.50

Time-->





#69

p-Isopropyltoluene

Concen: 9.667 ppbv

RT: 17.64 min Scan# 4620

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

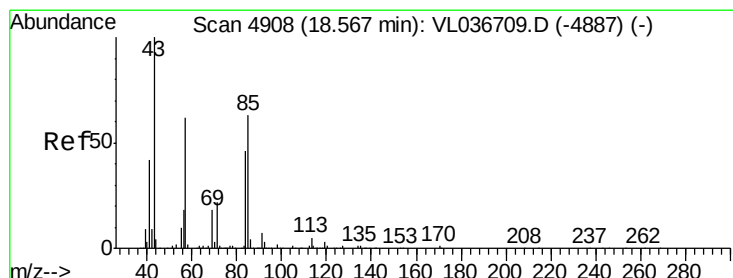
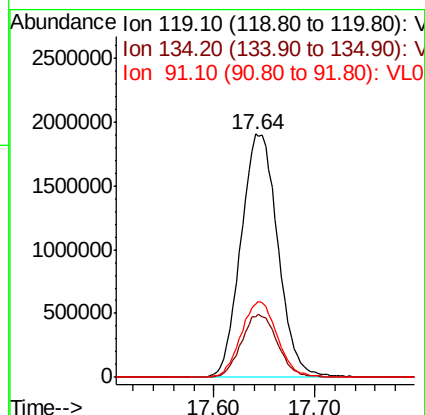
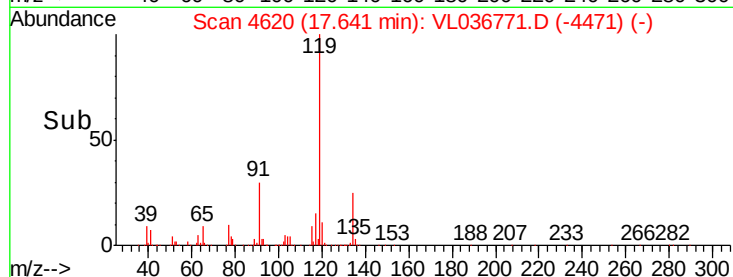
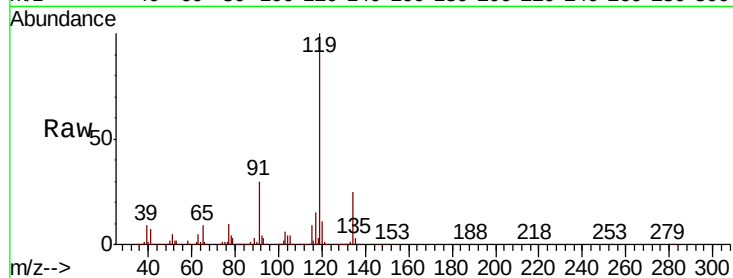
Tot Ion:119 Resp: 4834376

Ion Ratio Lower Upper

119 100

134 25.3 20.6 30.8

91 30.3 25.0 37.6



#70

n-Butylbenzene

Concen: 9.573 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

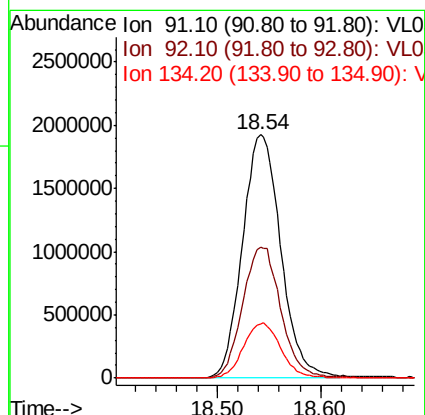
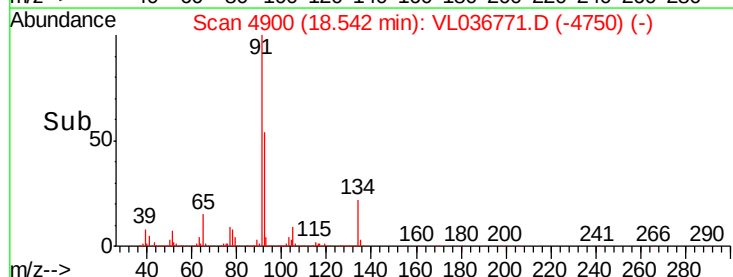
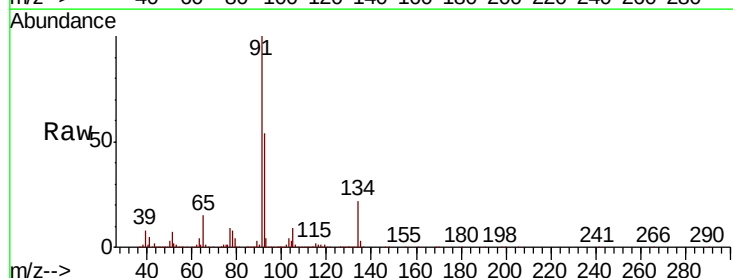
Tgt Ion: 91 Resp: 4963681

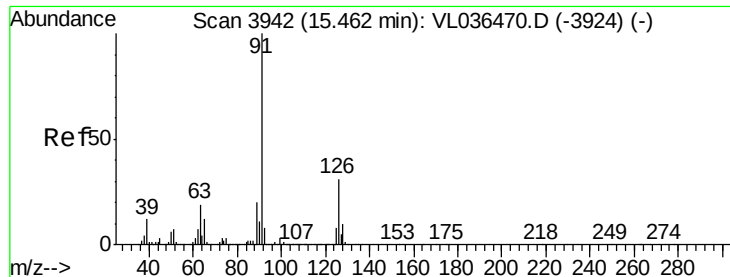
Ion Ratio Lower Upper

91 100

92 54.2 43.8 65.8

134 22.3 18.0 27.0





#71

2-Chlorotoluene

Concen: 9.390 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

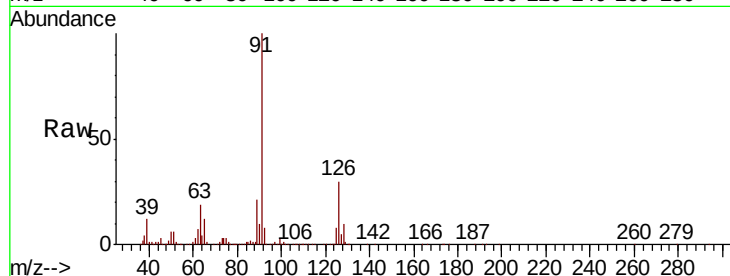
VL0409ABS01

Tot Ion: 91 Resp: 3681119

Ion Ratio Lower Upper

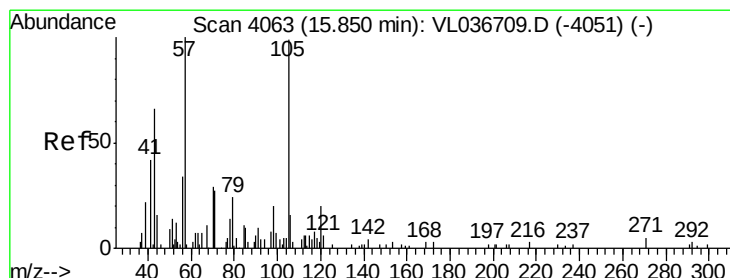
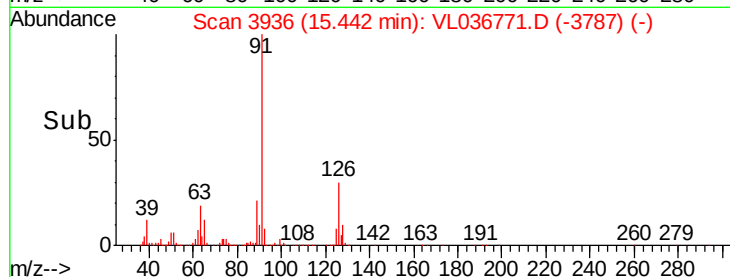
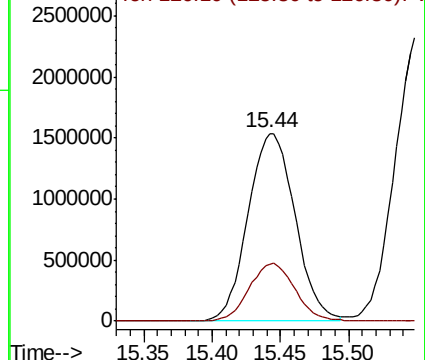
91 100

126 30.4 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.575 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion:105 Resp: 4076335

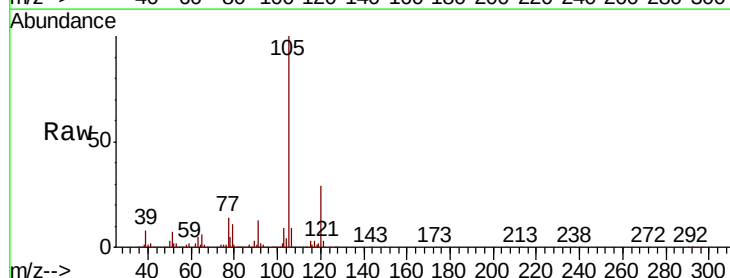
Ion Ratio Lower Upper

105 100

120 30.2 24.0 36.0

91 13.8 11.0 16.4

77 14.7 11.7 17.5

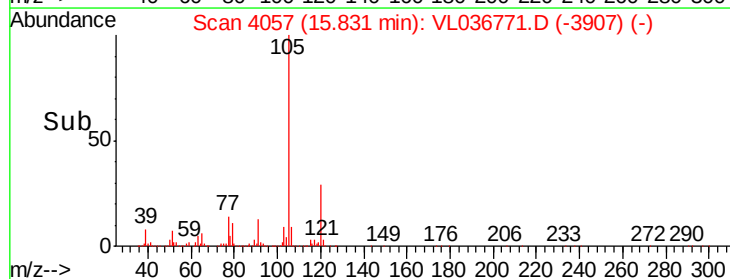
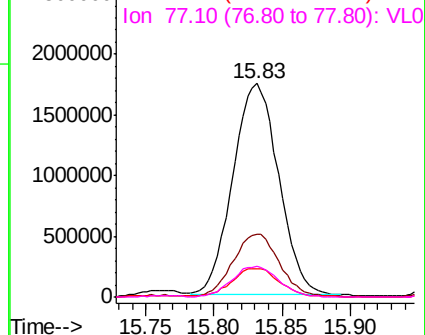


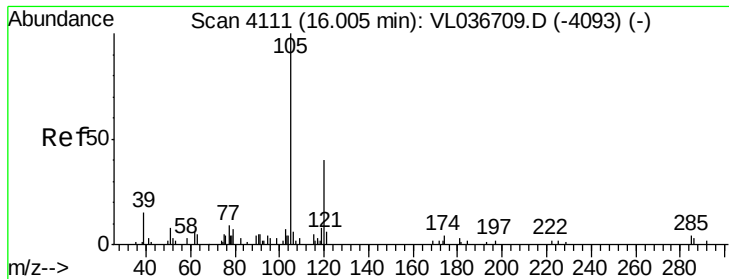
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.400 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

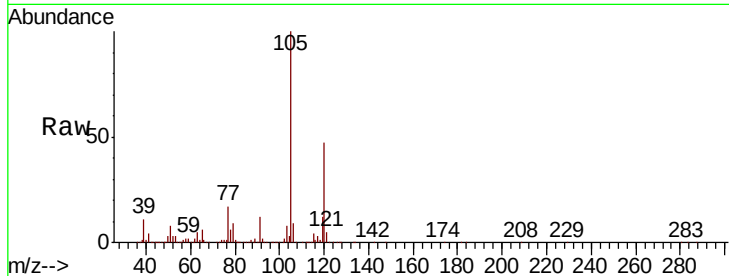
VL0409ABS01

Tot Ion:105 Resp: 3734765

Ion Ratio Lower Upper

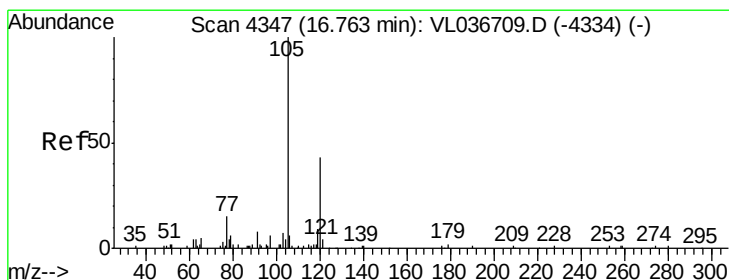
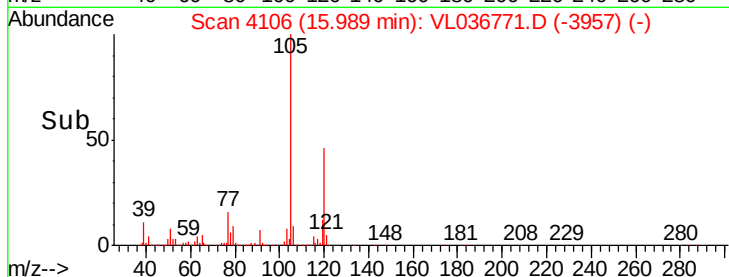
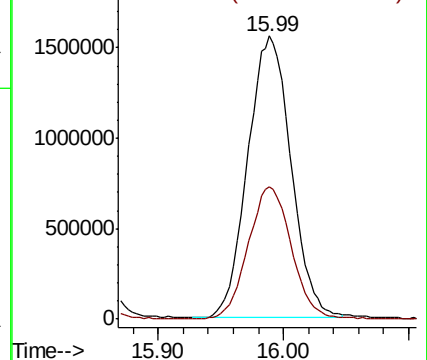
105 100

120 46.9 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.179 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Tgt Ion:105 Resp: 3902876

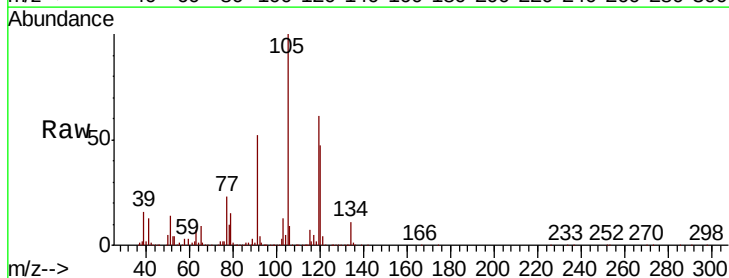
Ion Ratio Lower Upper

105 100

120 46.6 39.2 58.8

91 52.1 42.6 64.0

77 23.1 18.6 28.0

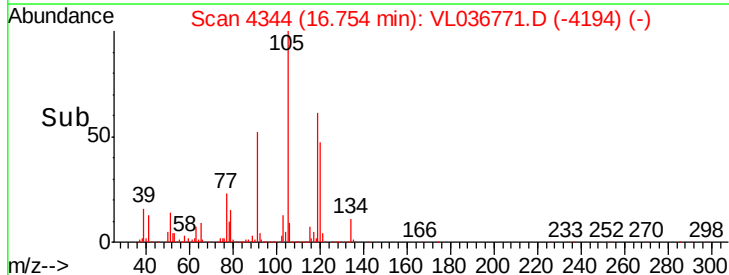
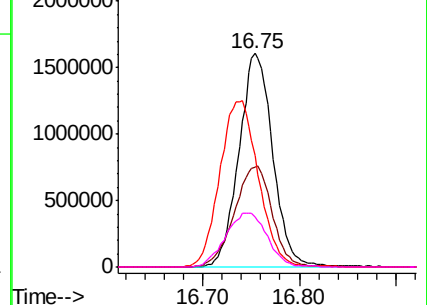


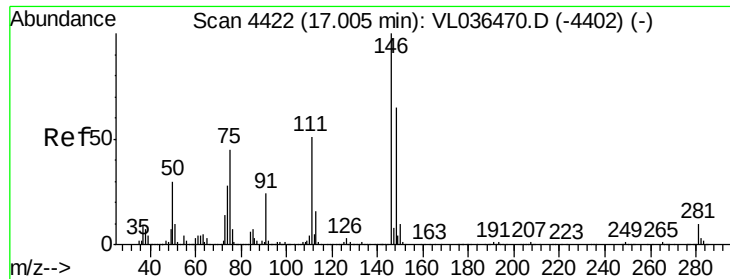
Abundance Ion 105.10 (104.80 to 105.80): V

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

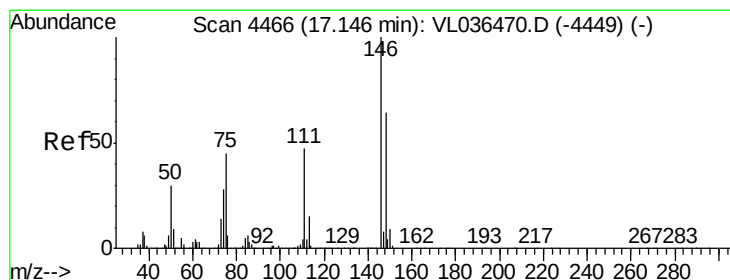
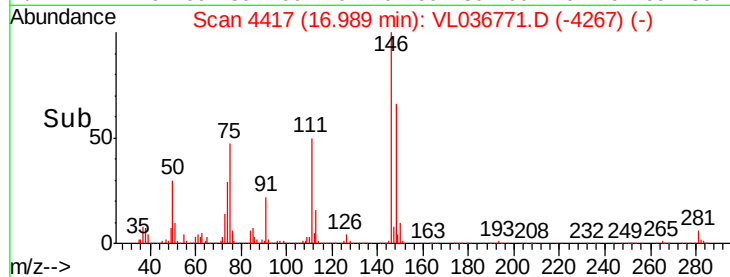
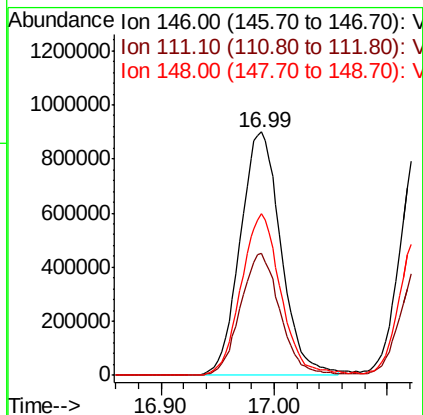
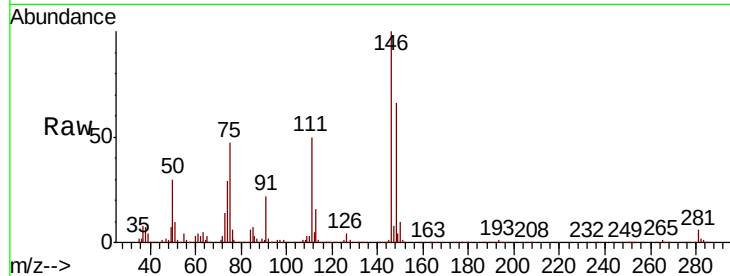




#75
 1,3-Dichlorobenzene
 Concen: 9.408 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

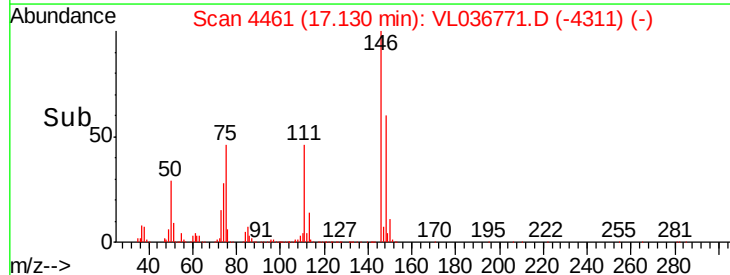
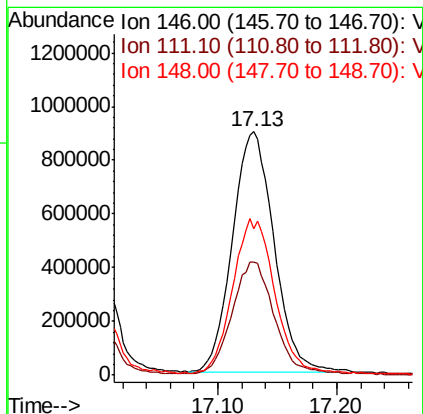
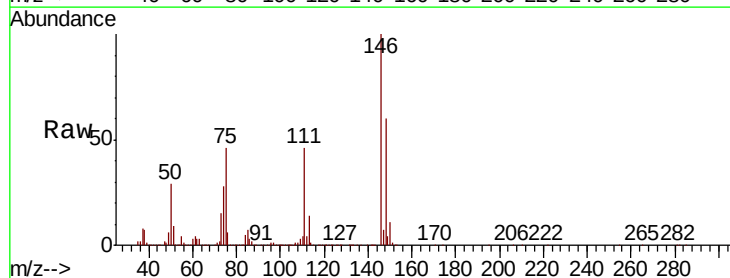
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

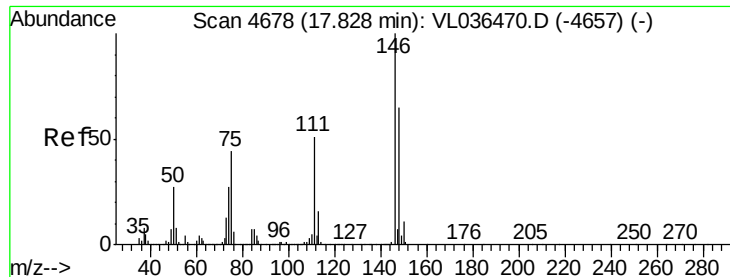
Tot Ion:146 Resp: 2251556
 Ion Ratio Lower Upper
 146 100
 111 48.9 24.5 73.5
 148 64.7 32.3 96.9



#76
 1,4-Dichlorobenzene
 Concen: 9.149 ppbv
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.02 min
 Lab File: VL036771.D
 Acq: 9 Apr 2021 12:11

Tgt Ion:146 Resp: 2173998
 Ion Ratio Lower Upper
 146 100
 111 48.0 24.3 72.8
 148 66.6 33.0 98.9





#77

1,2-Dichlorobenzene

Concen: 9.698 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

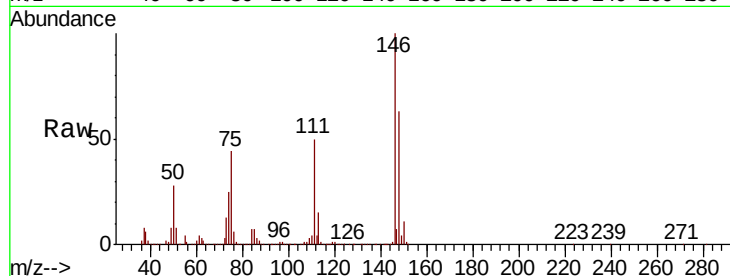
Tot Ion:146 Resp: 2181758

Ion Ratio Lower Upper

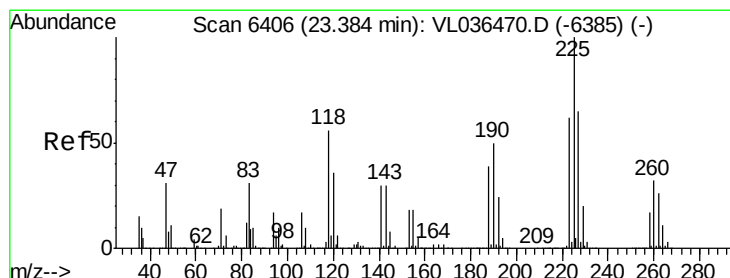
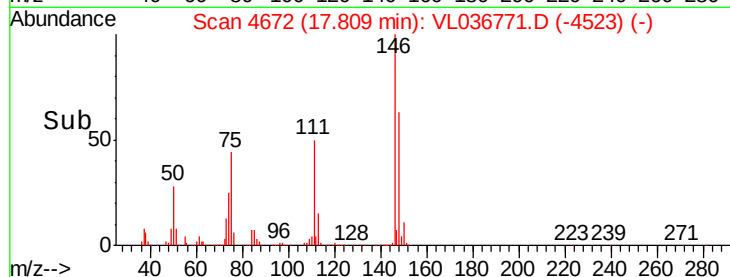
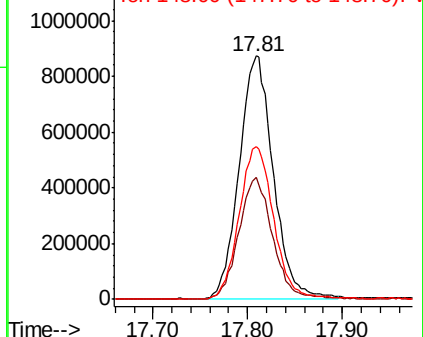
146 100

111 49.9 25.5 76.5

148 64.2 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: 8.013 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

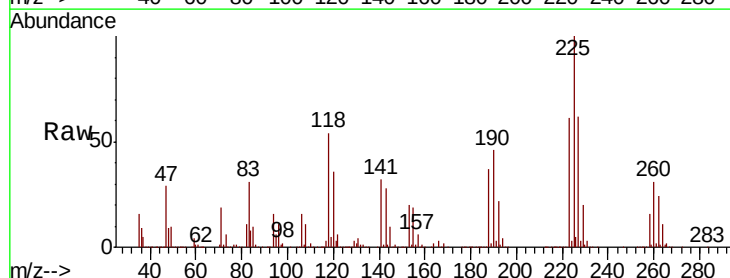
Tgt Ion:225 Resp: 1614422

Ion Ratio Lower Upper

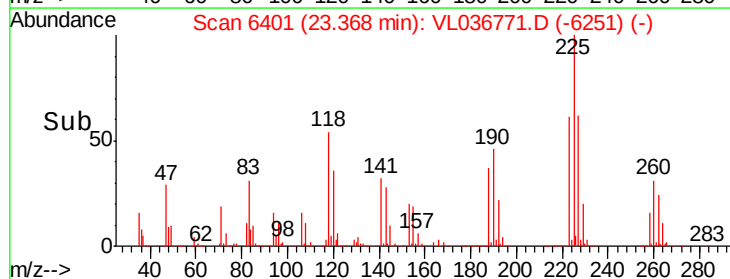
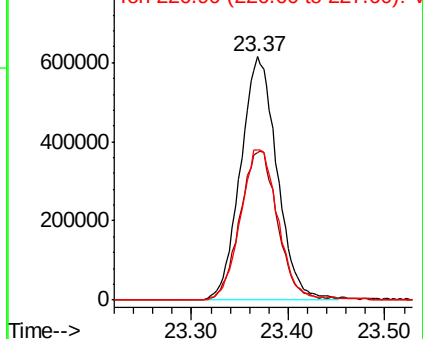
225 100

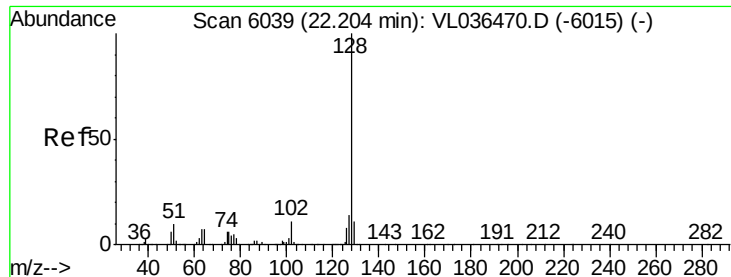
223 63.6 50.6 75.8

227 64.1 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: 10.529 ppbv

RT: 22.19 min Scan# 6034

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

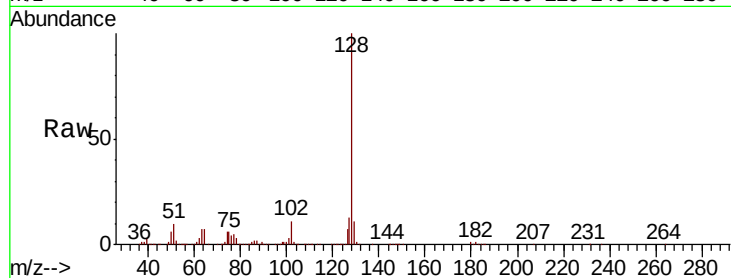
Tot Ion:128 Resp: 2612306

Ion Ratio Lower Upper

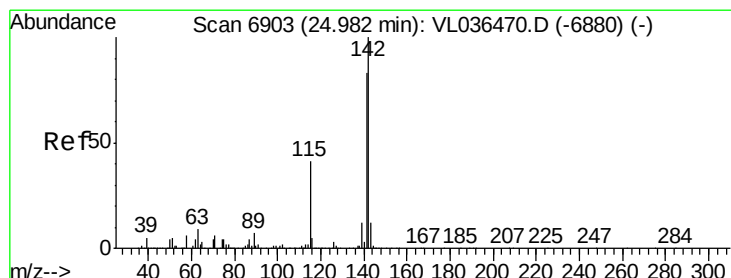
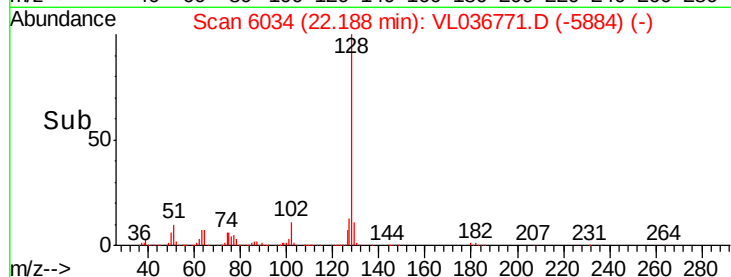
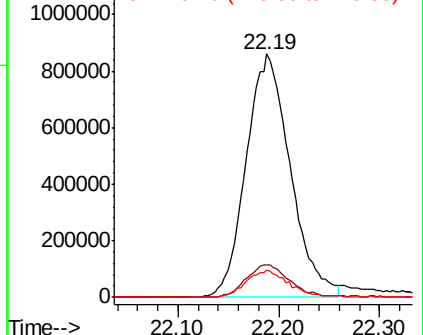
128 100

127 13.1 10.9 16.3

129 11.3 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: 8.567 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. -0.01 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

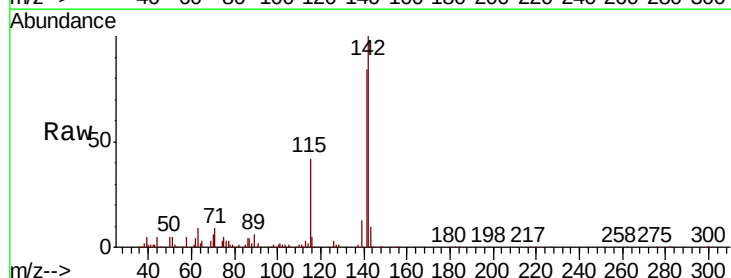
Tgt Ion:142 Resp: 419152

Ion Ratio Lower Upper

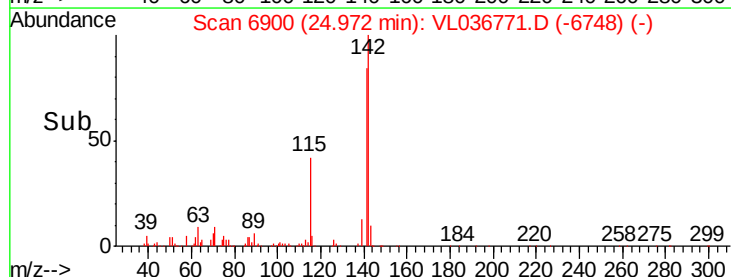
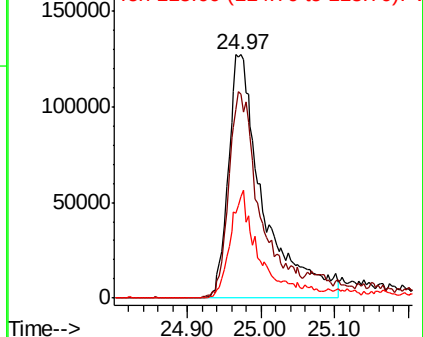
142 100

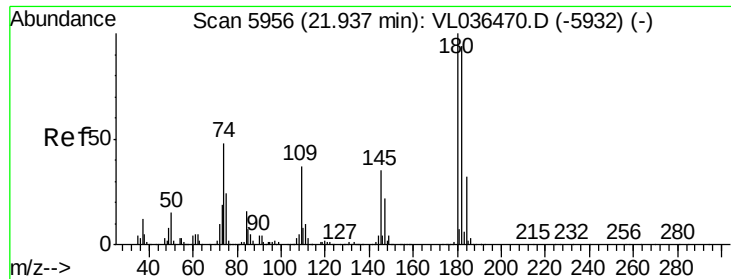
141 76.2 67.8 101.8

115 40.7 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: 9.919 ppbv

RT: 21.92 min Scan# 5950

Delta R.T. -0.02 min

Lab File: VL036771.D

Acq: 9 Apr 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

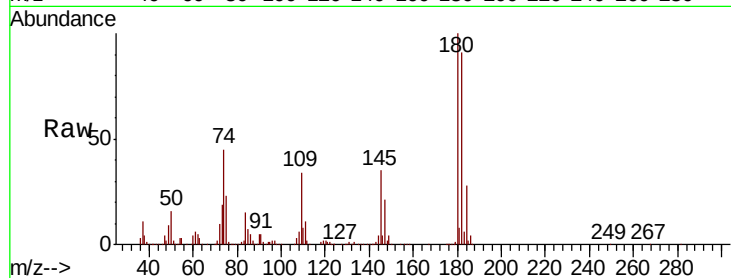
Tot Ion:180 Resp: 1519535

Ion Ratio Lower Upper

180 100

182 101.4 80.8 121.2

184 31.2 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

