

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036502.D
 Acq On : 26 Mar 2021 1:35
 Operator :
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 03:54:36 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	5.67	49	1470245	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3620006	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4084046	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2711682	8.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	2295300	9.572	ppbv 96
3) Chlorodifluoromethane	2.99	51	2477904	9.021	ppbv 100
4) Chloromethane	3.14	50	854132	8.803	ppbv 94
5) Vinyl Chloride	3.26	62	823639	8.256	ppbv 99
6) Bromomethane	3.47	94	468400	8.528	ppbv 99
7) Chloroethane	3.56	64	307382	8.966	ppbv 90
8) Dichlorotetrafluoroethane	3.19	85	1977712	8.641	ppbv 99
9) Propene	3.01	41	768342	8.774	ppbv 99
10) Heptane	8.13	43	2038658	9.138	ppbv 99
11) Trichlorofluoromethane	3.95	101	2102847	8.605	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1355039	8.672	ppbv 99
13) Ethanol	3.61	45	41702	3.999	ppbv # 24
14) Bromoethene	3.74	108	563932	8.682	ppbv 97
15) Acetone	3.85	43	1228482	8.489	ppbv 99
16) 1,3-Butadiene	3.33	39	909738	9.030	ppbv 97
17) tert-Butyl alcohol	4.29	59	1043080	8.280	ppbv 99
18) 1,1-Dichloroethene	4.29	96	597993	8.604	ppbv 96
19) Isopropyl Alcohol	3.97	45	604539	7.594	ppbv 99
20) Methylene Chloride	4.35	84	534920	7.895	ppbv 93
21) Allyl Chloride	4.42	41	991458	8.595	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	560321	8.696	ppbv 86
23) Vinyl Acetate	5.08	43	2250160	9.091	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1596357	8.848	ppbv 99
25) Ethyl Acetate	5.69	43	2958151	8.599	ppbv 100
26) Hexane	5.69	57	1419198	8.889	ppbv 98
27) Carbon Disulfide	4.56	76	1483788	9.434	ppbv 98
28) Methyl tert-Butyl Ether	5.04	73	1656553	8.798	ppbv 99
29) Chloroform	5.76	83	2205234	8.637	ppbv 99
30) Cyclohexane	7.14	84	1172993	9.059	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	1416789	9.175	ppbv 100
32) 1,1,1-Trichloroethane	6.52	97	2234274	8.683	ppbv 99
34) 2-Butanone	5.25	43	1402855	7.939	ppbv 98
35) Carbon Tetrachloride	7.03	117	2314240	8.323	ppbv 95
36) Benzene	6.90	78	2932614	8.784	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1684491	8.572	ppbv 100
38) Trichloroethene	7.84	130	1048102	8.067	ppbv 98
39) 1,2-Dichloropropane	7.62	63	1177091	8.691	ppbv 98
40) 1,4-Dioxane	7.85	88	174402	5.533	ppbv # 1
41) Tetrahydrofuran	6.06	42	632204	7.760	ppbv 95
42) Bromodichloromethane	7.80	83	2386722	8.930	ppbv 100
43) Methyl Methacrylate	8.02	69	1129549	10.075	ppbv 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4978240	8.472	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1003215	7.837	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1277129	7.805	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1177279	8.582	ppbv	98
48) Dibromochloromethane	10.32	129	1929714	9.228	ppbv	100
49) Bromoform	13.06	173	1561563	9.268	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	2195188	8.586	ppbv	99
51) 2-Hexanone	10.15	43	1151892	8.927	ppbv #	97
52) Tetrachloroethene	11.24	164	1004661	8.172	ppbv	95
53) Toluene	9.82	91	3303940	9.293	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1674606	8.644	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1349320	7.305	ppbv #	57
57) Chlorobenzene	12.16	112	2402989	6.915	ppbv	99
58) Ethyl Benzene	12.73	91	4394891	7.397	ppbv	99
59) m/p-Xylene	13.01	91	4354300	8.402	ppbv #	52
60) o-Xylene	13.71	91	3505357	6.995	ppbv	100
61) Styrene	13.54	104	1925998	7.640	ppbv	99
62) Isopropylbenzene	14.68	105	4897921	7.258	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2501513	6.544	ppbv	100
64) n-propylbenzene	15.57	120	1265966	7.673	ppbv	99
65) tert-Butylbenzene	16.76	119	4222103	7.215	ppbv	100
66) Benzyl Chloride	17.00	91	435967	6.741	ppbv	99
67) sec-Butylbenzene	17.31	105	5946517	7.199	ppbv	100
69) p-Isopropyltoluene	17.67	119	4912362	7.616	ppbv	100
70) n-Butylbenzene	18.56	91	5064912	7.573	ppbv	100
71) 2-Chlorotoluene	15.47	91	3793748	7.503	ppbv	100
72) 4-Ethyltoluene	15.85	105	4175859	7.605	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3739830	7.297	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	3865664	7.049	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2239291	7.254	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2161132	7.051	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2142459	7.383	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1672219	6.435	ppbv	99
79) Naphthalene	22.22	128	2449841	7.655	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	258459	4.096	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	1497587	7.579	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Mar 2021 1:35

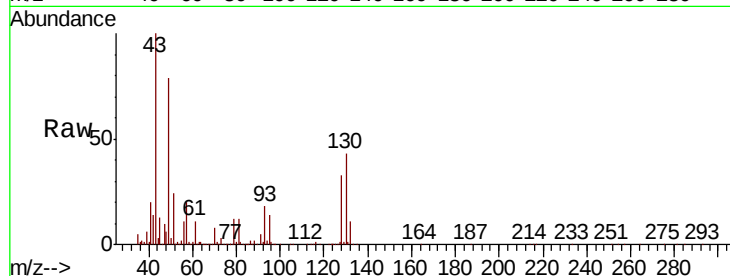
Tot Ion: 49 Resp: 1470245

Ion Ratio Lower Upper

49 100

128 47.5 23.5 70.6

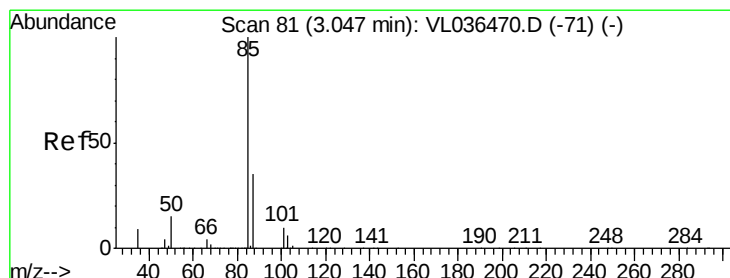
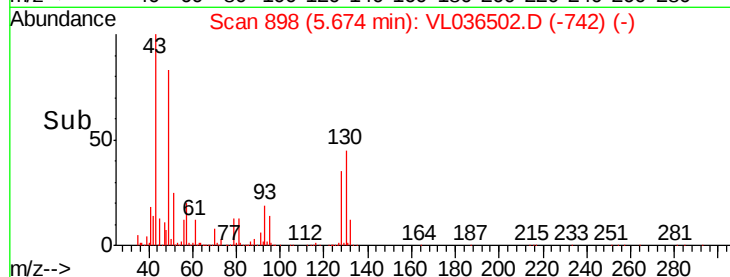
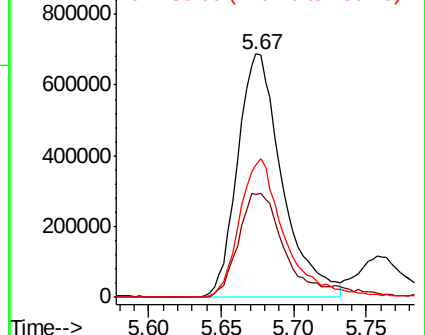
130 58.6 29.1 87.4



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: 9.572 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036502.D

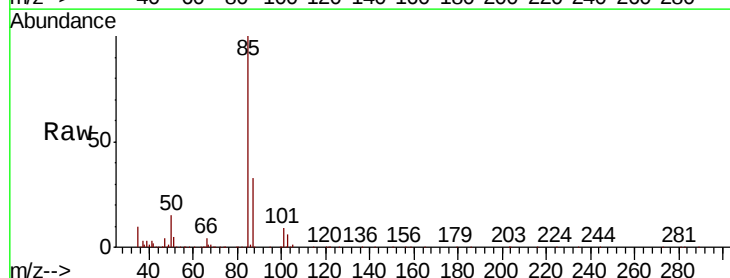
Acq: 26 Mar 2021 1:35

Tgt Ion: 85 Resp: 2295300

Ion Ratio Lower Upper

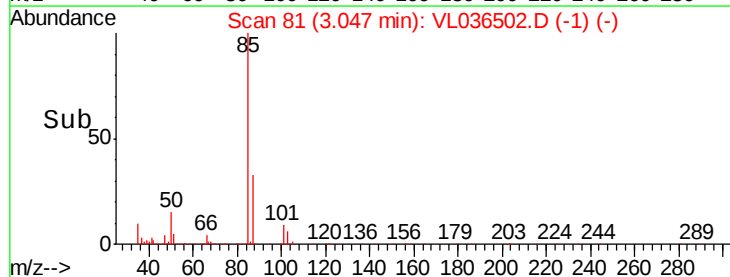
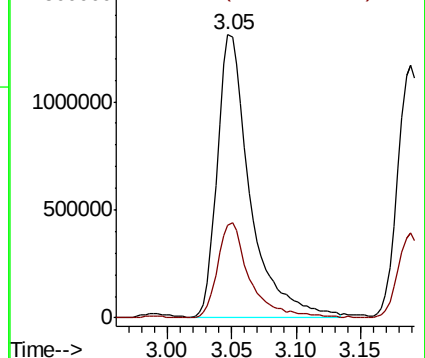
85 100

87 32.6 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: 9.021 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

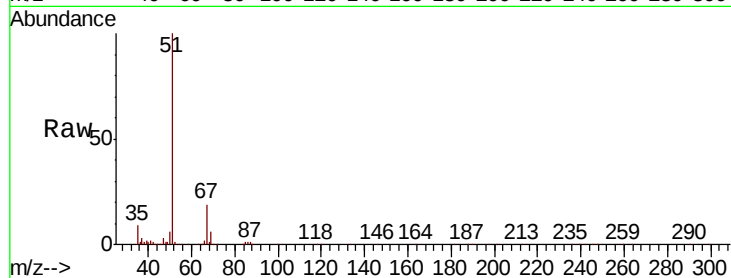
Acq: 26 Mar 2021 1:35

Tot Ion: 51 Resp: 2477904

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

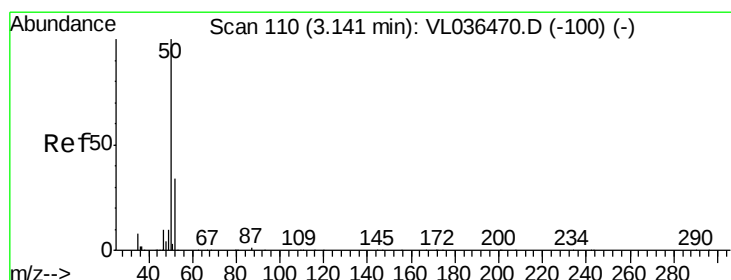
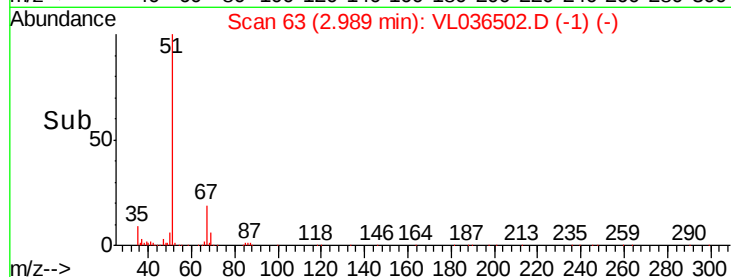
1000000

500000

0

2.90 3.00 3.10

Time-->



#4

Chloromethane

Concen: 8.803 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036502.D

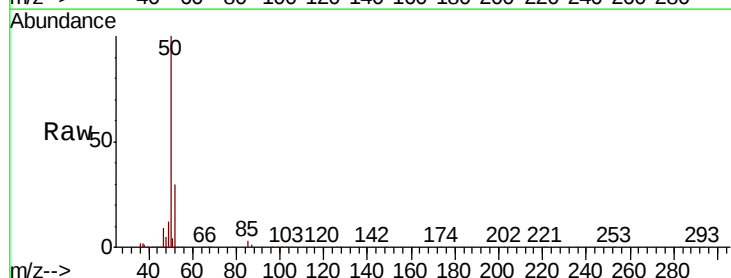
Acq: 26 Mar 2021 1:35

Tgt Ion: 50 Resp: 854132

Ion Ratio Lower Upper

50 100

52 30.3 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

300000

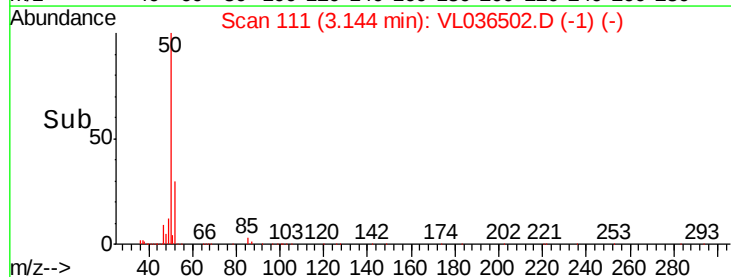
200000

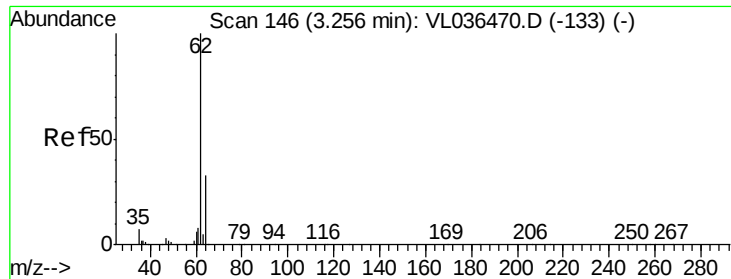
100000

0

3.10 3.15

Time-->





#5

Vinyl Chloride

Concen: 8.256 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

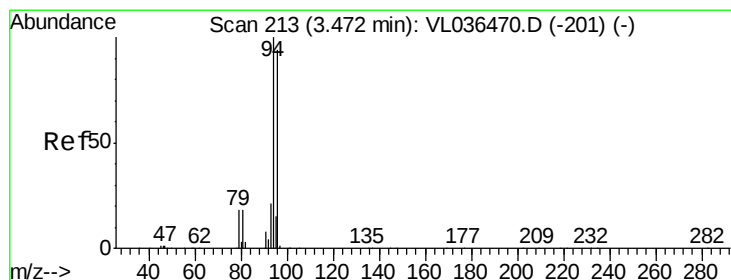
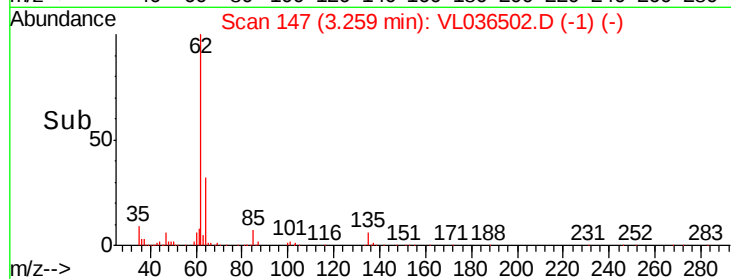
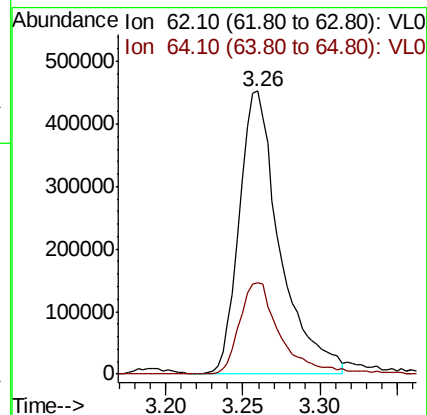
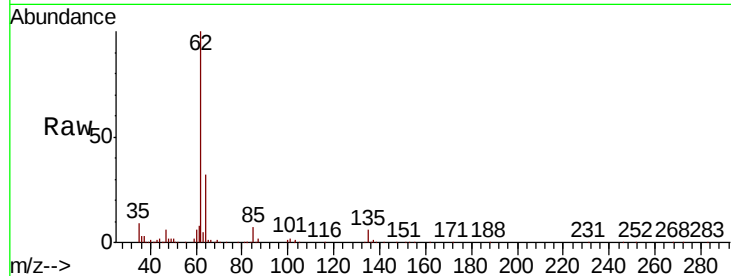
Acq: 26 Mar 2021 1:35

Tot Ion: 62 Resp: 823639

Ion Ratio Lower Upper

62 100

64 32.2 26.4 39.6



#6

Bromomethane

Concen: 8.528 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL036502.D

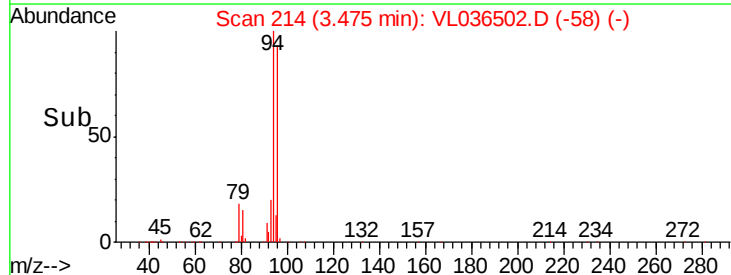
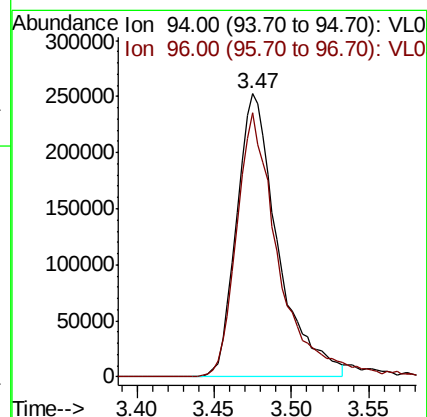
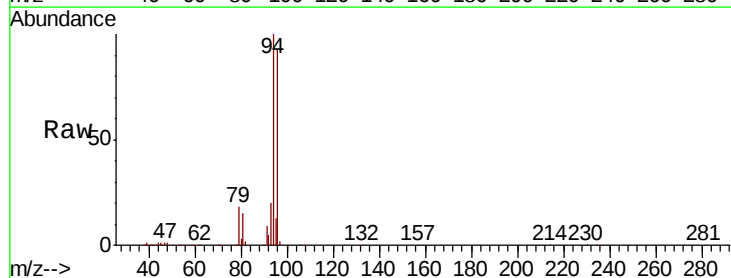
Acq: 26 Mar 2021 1:35

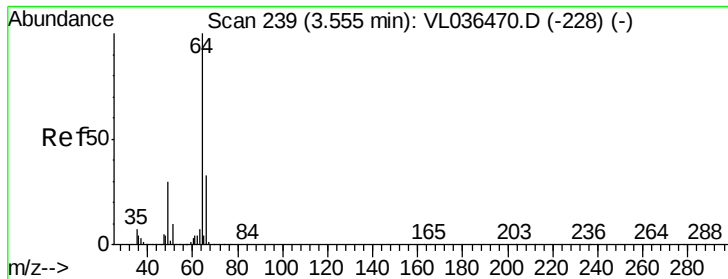
Tgt Ion: 94 Resp: 468400

Ion Ratio Lower Upper

94 100

96 93.1 74.9 112.3





#7

Chloroethane

Concen: 8.966 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

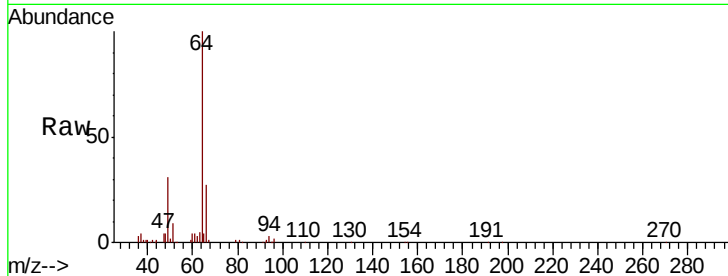
Acq: 26 Mar 2021 1:35

Tot Ion: 64 Resp: 307382

Ion Ratio Lower Upper

64 100

66 26.9 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

100000

50000

0

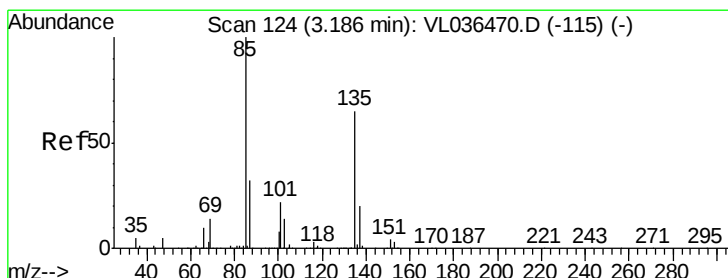
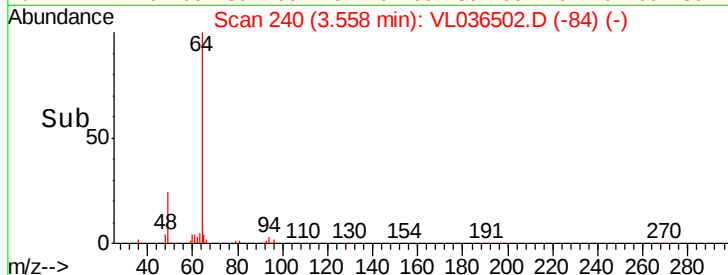
3.56

3.50

3.60

3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.641 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036502.D

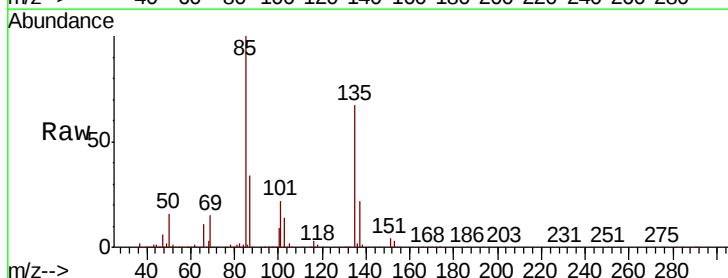
Acq: 26 Mar 2021 1:35

Tgt Ion: 85 Resp: 1977712

Ion Ratio Lower Upper

85 100

135 68.9 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

500000

0

3.19

3.10

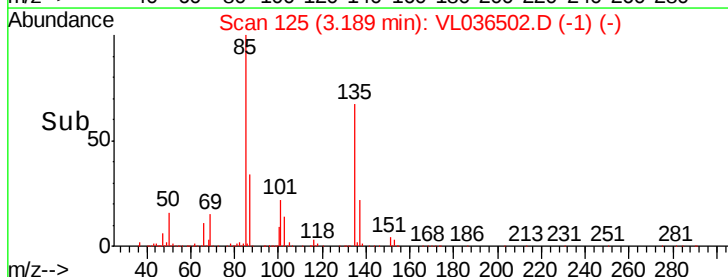
3.15

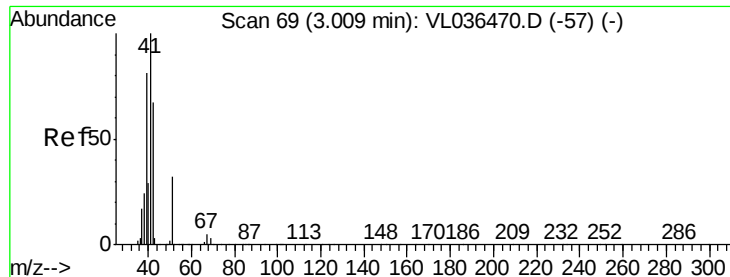
3.20

3.25

3.30

Time-->





#9

Propene

Concen: 8.774 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

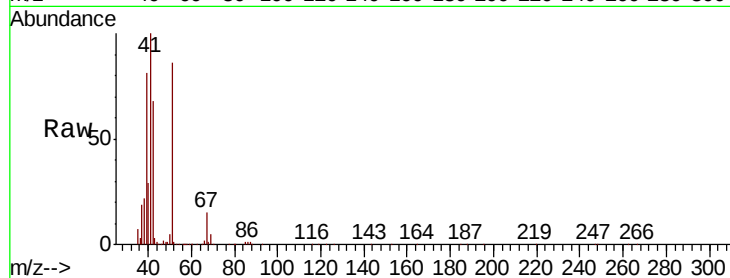
Acq: 26 Mar 2021 1:35

Tot Ion: 41 Resp: 768342

Ion Ratio Lower Upper

41 100

42 72.1 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.01

500000

400000

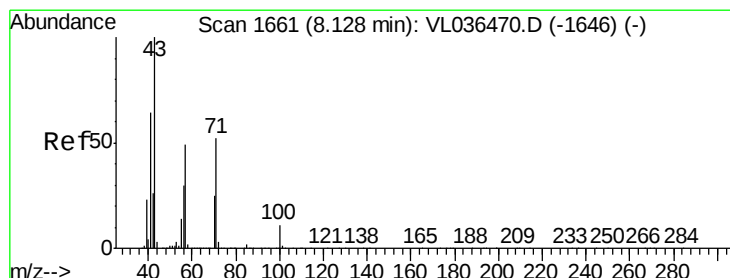
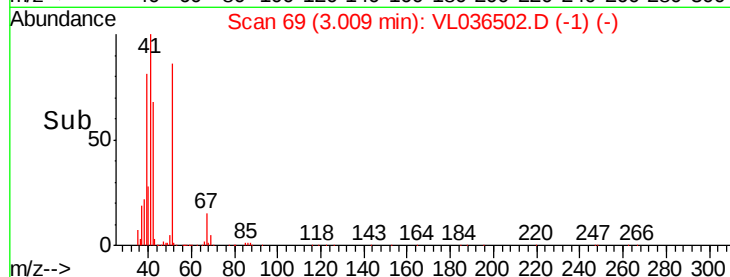
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.138 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VL036502.D

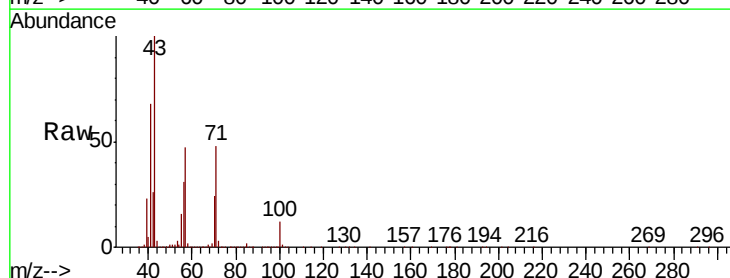
Acq: 26 Mar 2021 1:35

Tgt Ion: 43 Resp: 2038658

Ion Ratio Lower Upper

43 100

57 48.3 39.0 58.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

1000000

800000

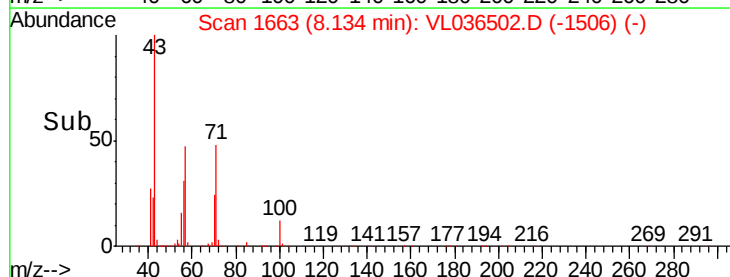
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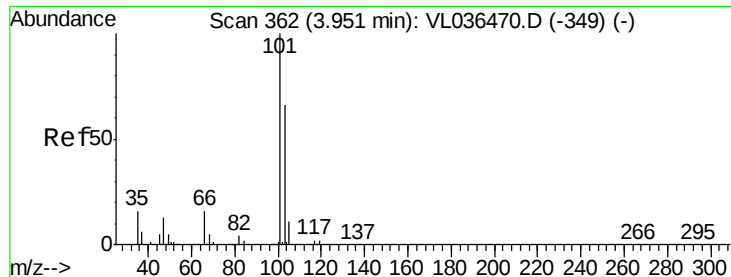
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 8.605 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

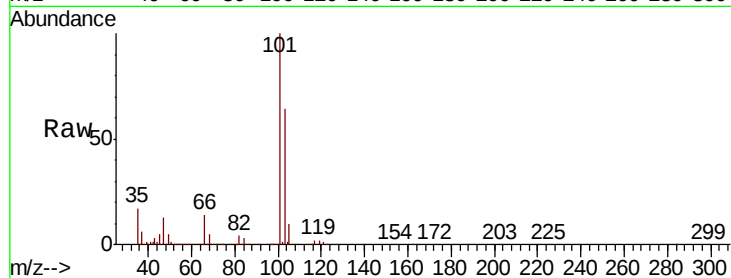
Acq: 26 Mar 2021 1:35

Tot Ion:101 Resp: 2102847

Ion Ratio Lower Upper

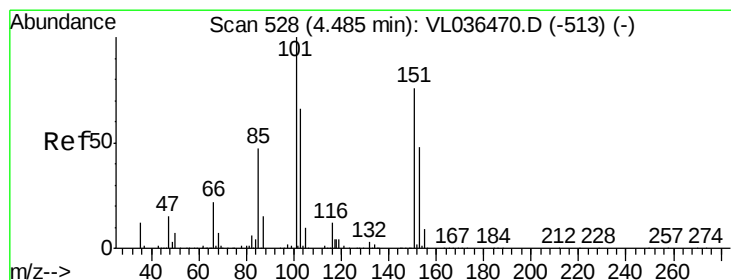
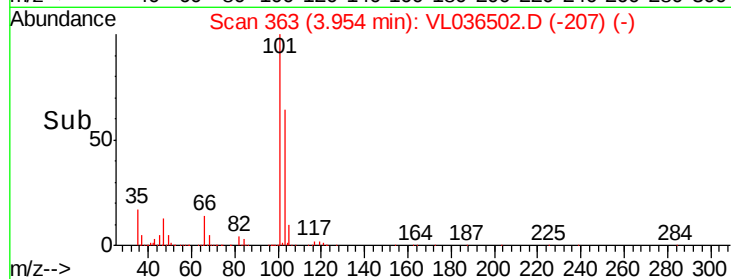
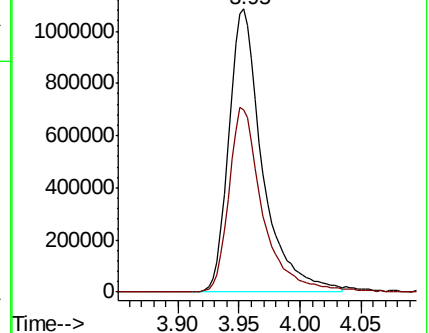
101 100

103 64.2 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.672 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL036502.D

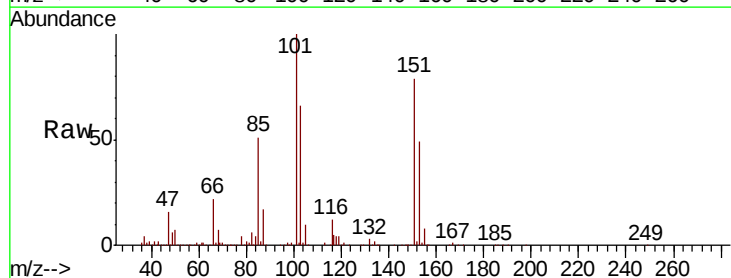
Acq: 26 Mar 2021 1:35

Tgt Ion:101 Resp: 1355039

Ion Ratio Lower Upper

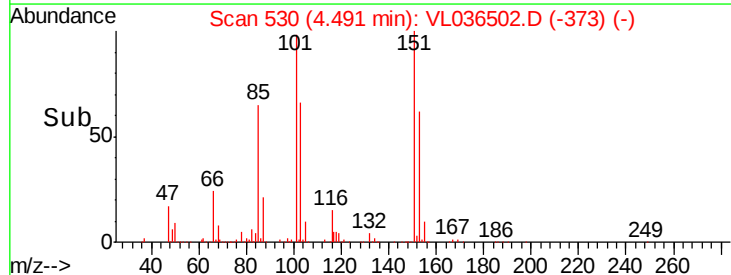
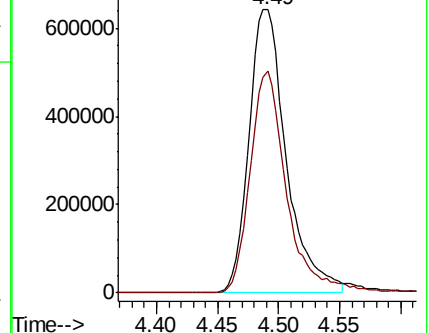
101 100

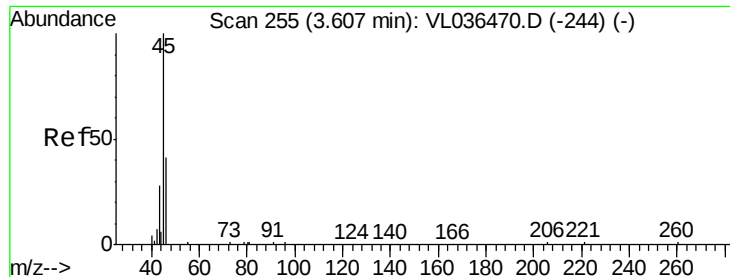
151 77.1 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

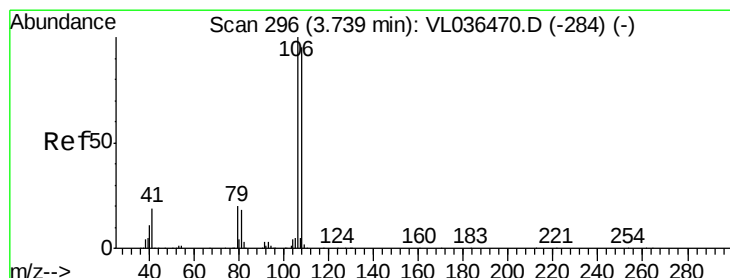
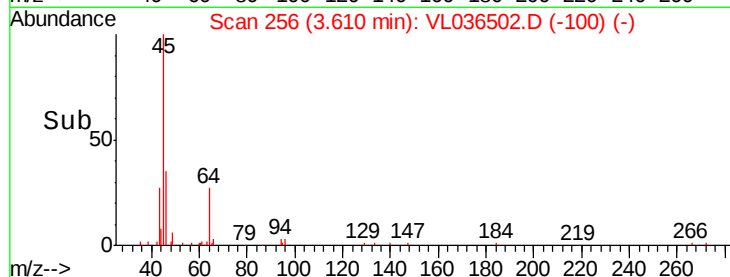
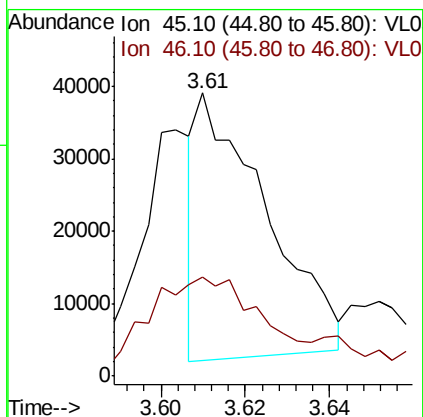
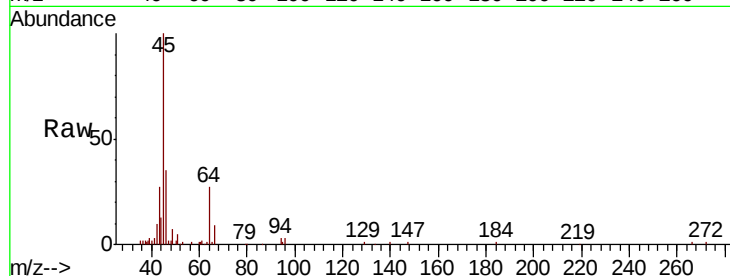
Ion 151.00 (150.70 to 151.70): V





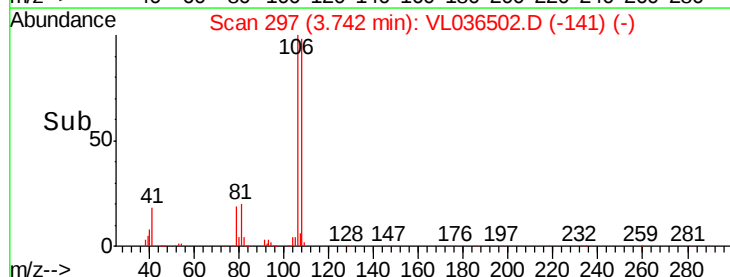
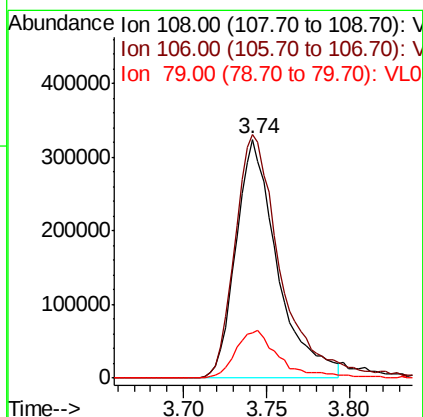
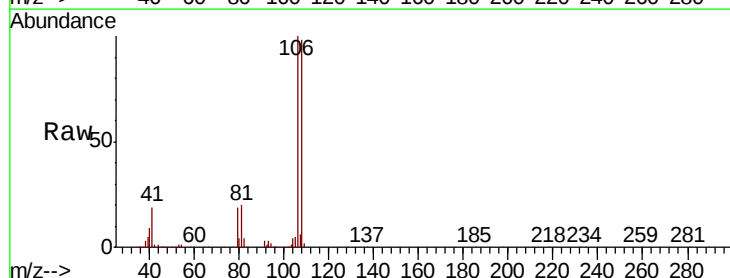
#13
Ethanol
Concen: 3.999 ppbv
RT: 3.61
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 26 Mar 2021 1:35

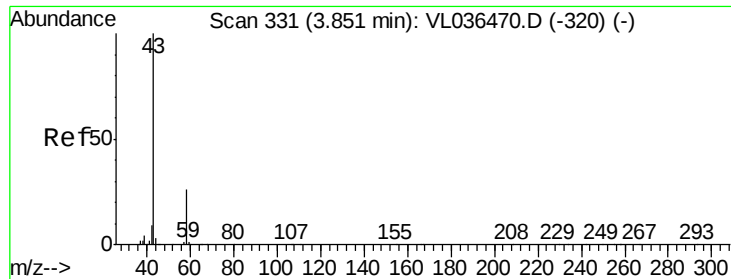
Tot Ion: 45 Resp: 41702
Ion Ratio Lower Upper
45 100
46 89.2 16.6 66.2#



#14
Bromoethene
Concen: 8.682 ppbv
RT: 3.74 min Scan# 297
Delta R.T.: 0.00 min
Lab File: VL036502.D
Acq: 26 Mar 2021 1:35

Tgt Ion: 108 Resp: 563932
Ion Ratio Lower Upper
108 100
106 114.7 89.0 133.6
79 22.0 16.6 25.0





#15

Acetone

Concen: 8.489 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

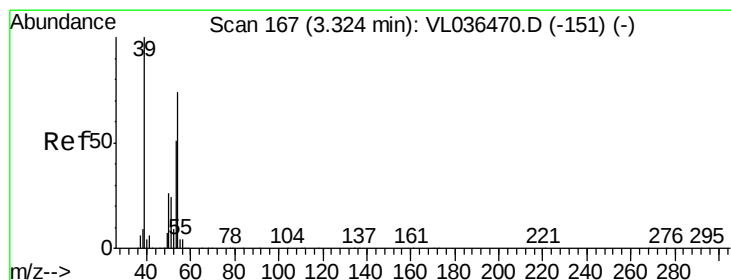
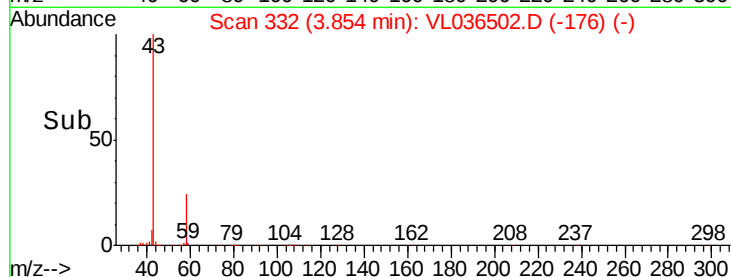
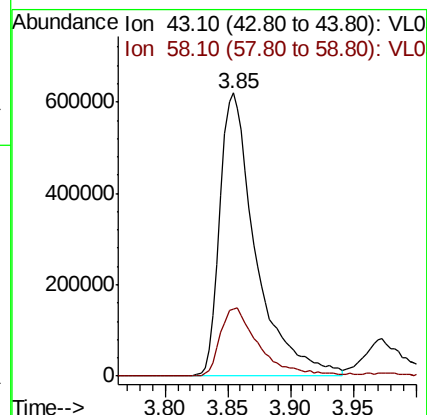
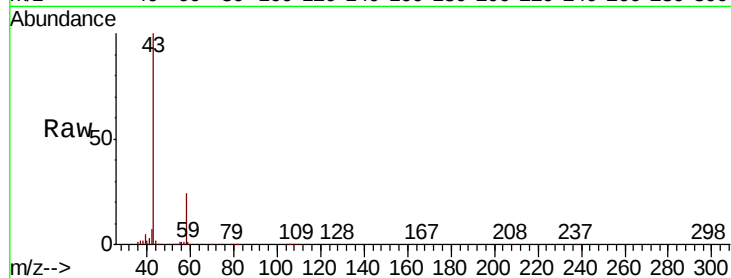
Acq: 26 Mar 2021 1:35

Tot Ion: 43 Resp: 1228482

Ion Ratio Lower Upper

43 100

58 26.2 21.2 31.8



#16

1,3-Butadiene

Concen: 9.030 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL036502.D

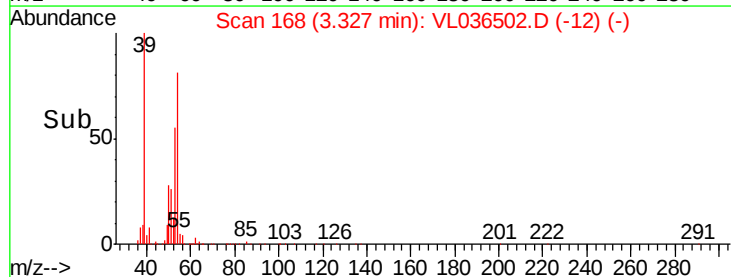
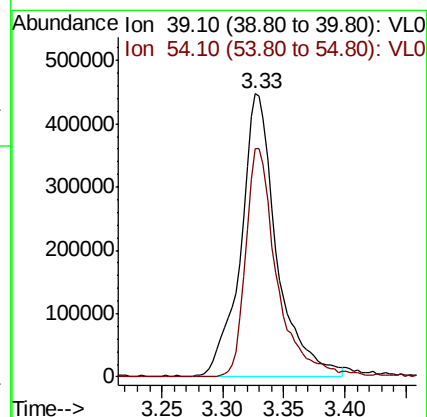
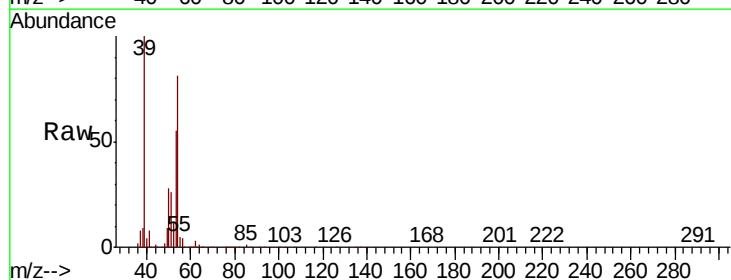
Acq: 26 Mar 2021 1:35

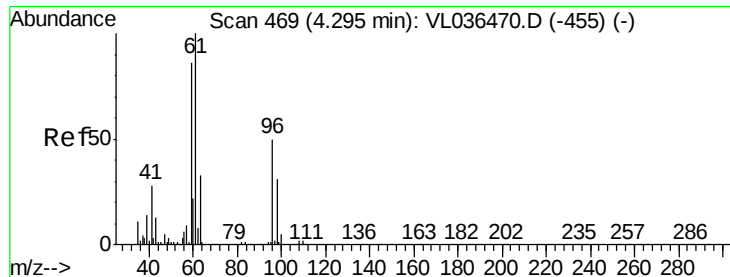
Tgt Ion: 39 Resp: 909738

Ion Ratio Lower Upper

39 100

54 71.2 58.8 88.2





#17

tert-Butyl alcohol

Concen: 8.280 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

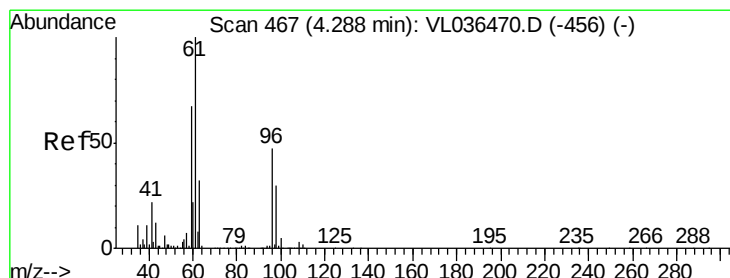
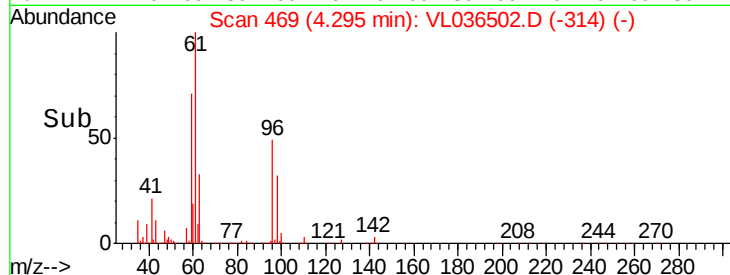
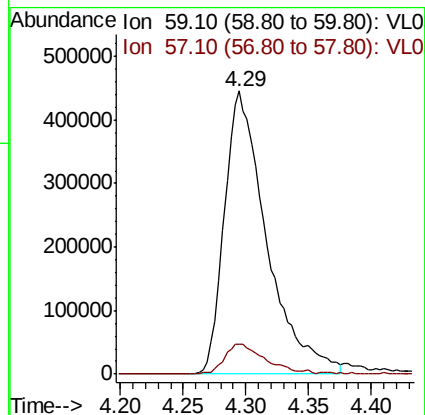
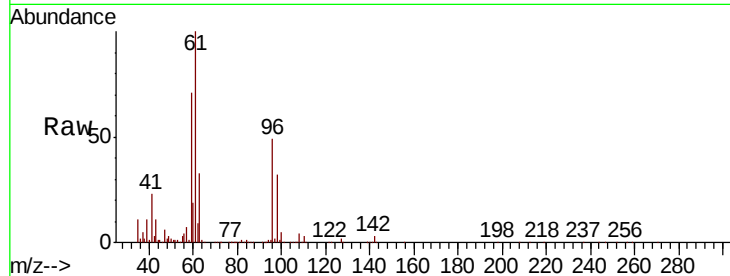
Acq: 26 Mar 2021 1:35

Tot Ion: 59 Resp: 1043080

Ion Ratio Lower Upper

59 100

57 11.2 8.6 12.8



#18

1,1-Dichloroethene

Concen: 8.604 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.01 min

Lab File: VL036502.D

Acq: 26 Mar 2021 1:35

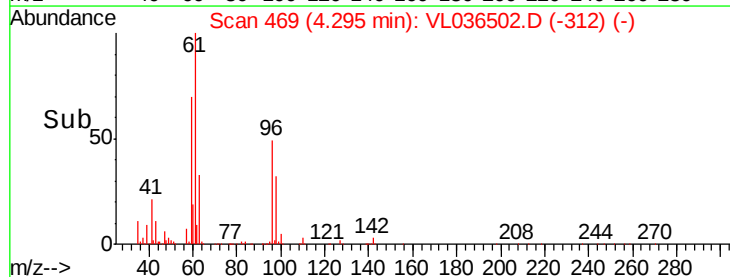
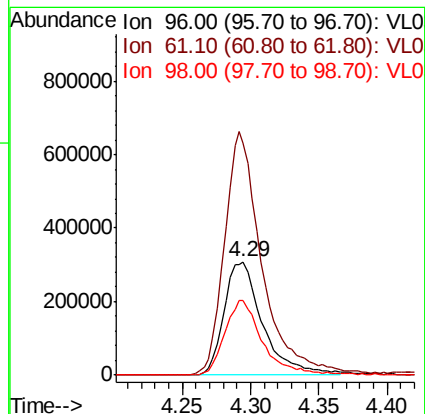
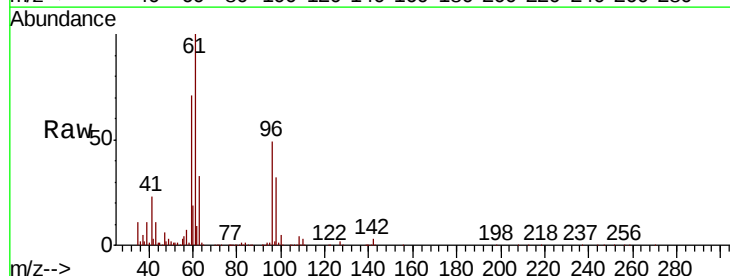
Tgt Ion: 96 Resp: 597993

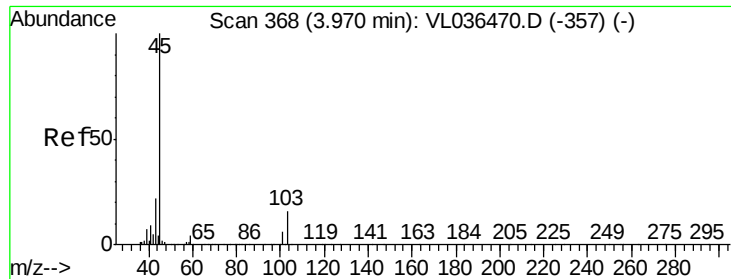
Ion Ratio Lower Upper

96 100

61 205.0 168.6 253.0

98 66.5 50.8 76.2





#19

Isopropyl Alcohol

Concen: 7.594 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

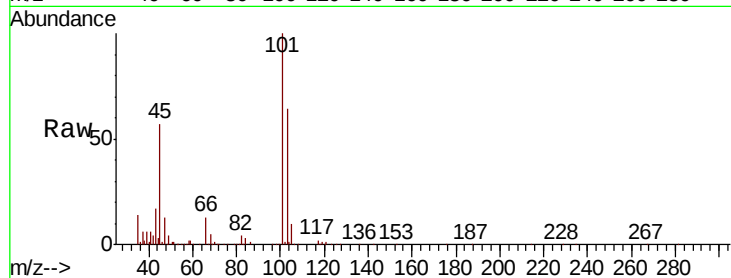
Acq: 26 Mar 2021 1:35

Tot Ion: 45 Resp: 604539

Ion Ratio Lower Upper

45 100

58 3.9 2.9 4.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

300000

250000

200000

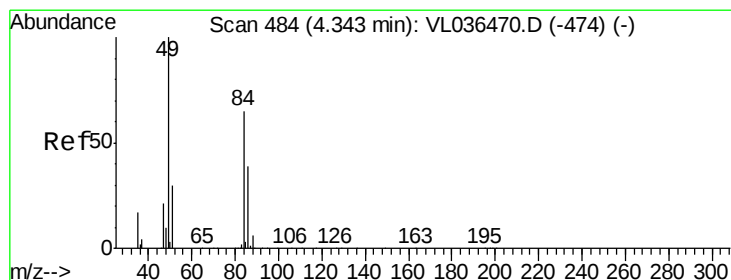
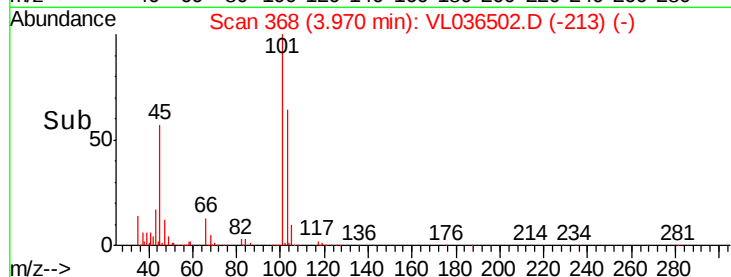
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 7.895 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036502.D

Acq: 26 Mar 2021 1:35

Tgt Ion: 84 Resp: 534920

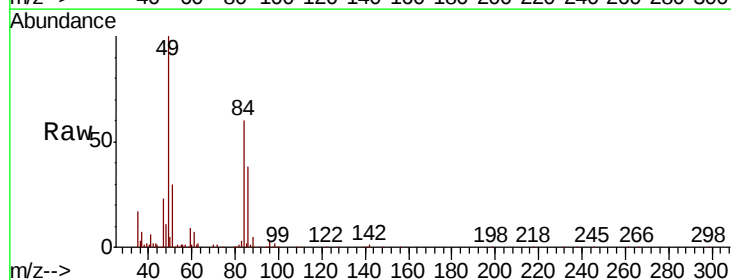
Ion Ratio Lower Upper

84 100

49 164.6 122.9 184.3

51 48.6 36.9 55.3

86 64.2 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

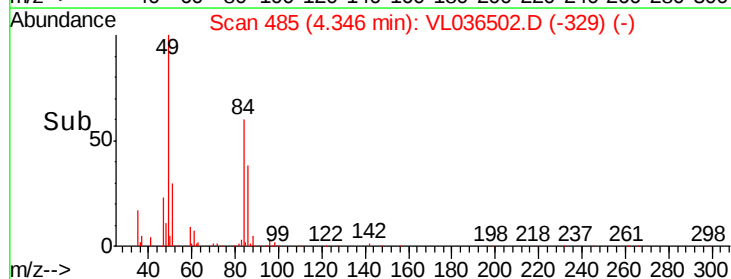
600000

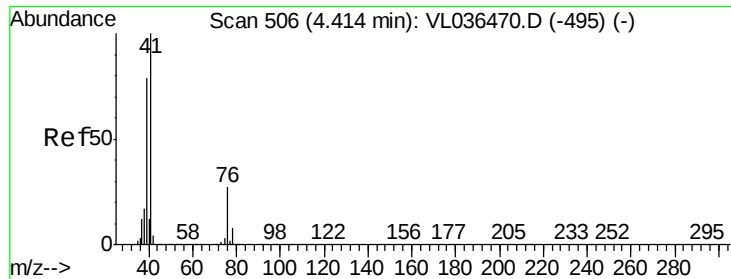
400000

200000

0

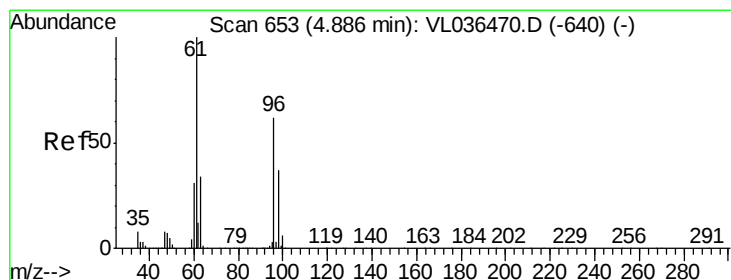
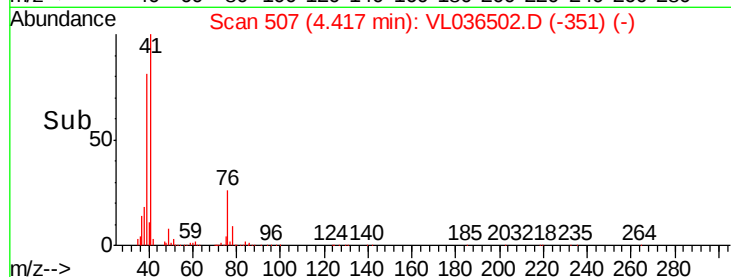
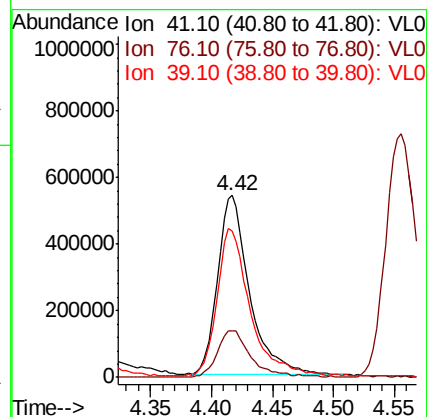
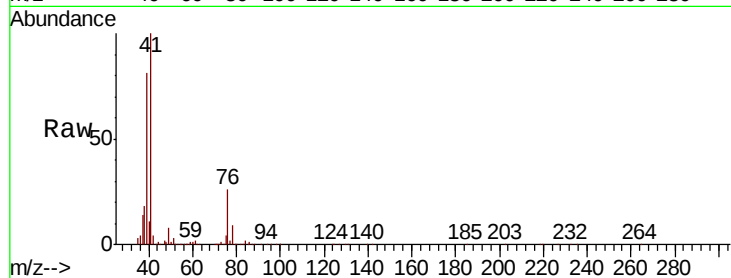
Time-->





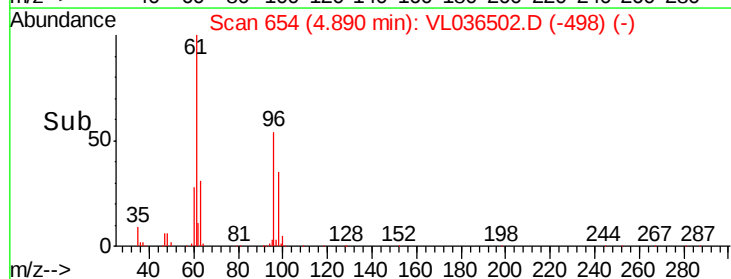
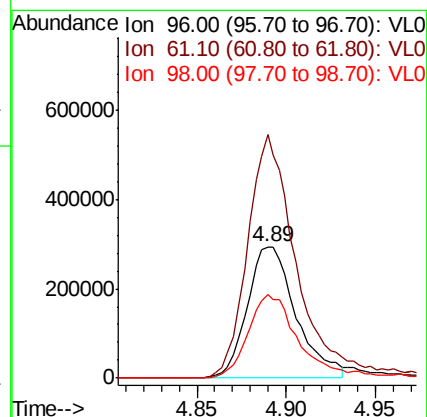
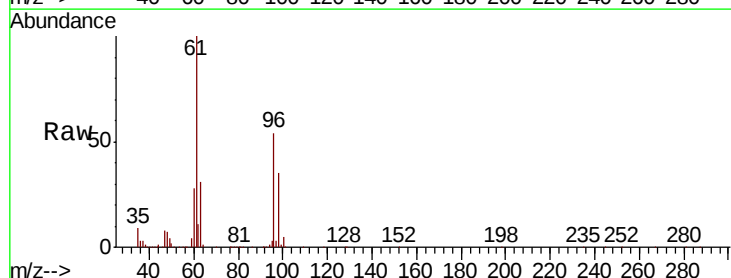
#21
 Allvl Chloride
 Concen: 8.595 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 1:35

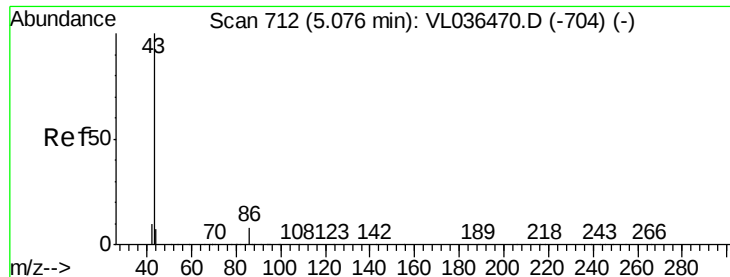
Tot Ion	Ratio	Lower	Upper
41	100		
76	27.6	22.9	34.3
39	85.8	67.3	100.9



#22
 trans-1,2-Dichloroethene
 Concen: 8.696 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.5	129.4	194.0
98	64.2	48.2	72.4

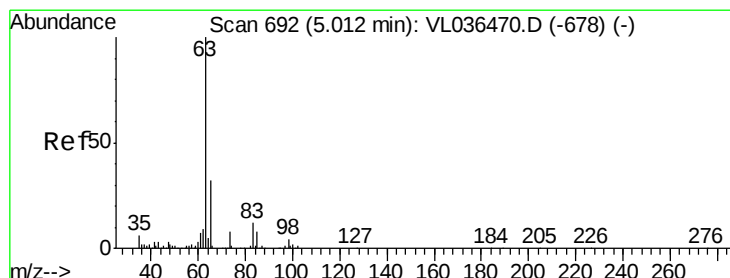
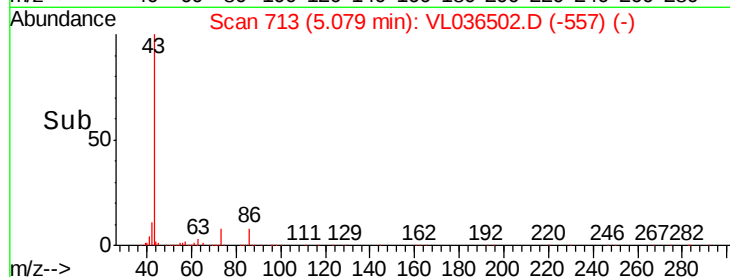
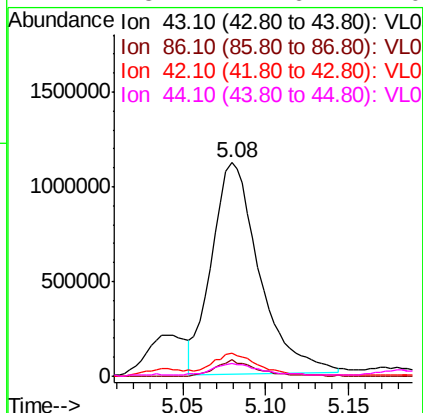
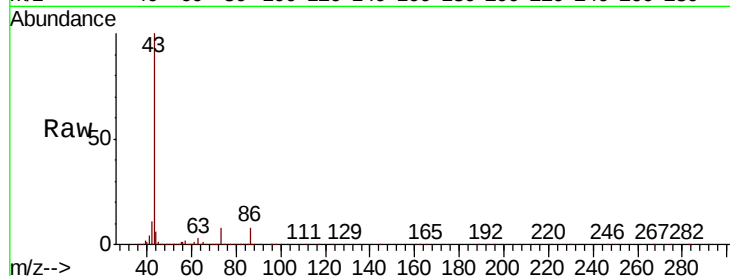




#23
 Vinyl Acetate
 Concen: 9.091 ppbv
 RT: 5.08
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 1:35

Tot Ion: 43 Resp: 2250160

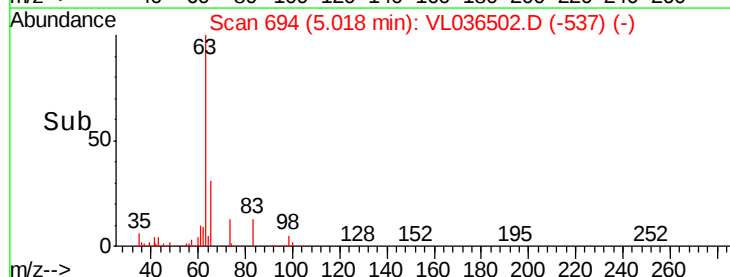
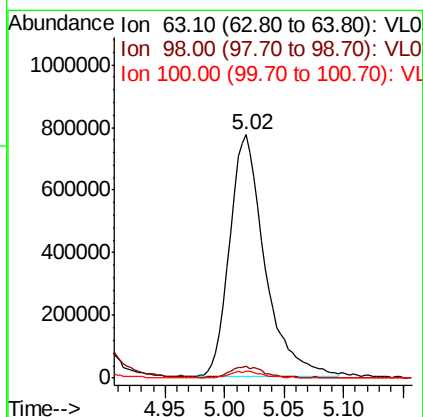
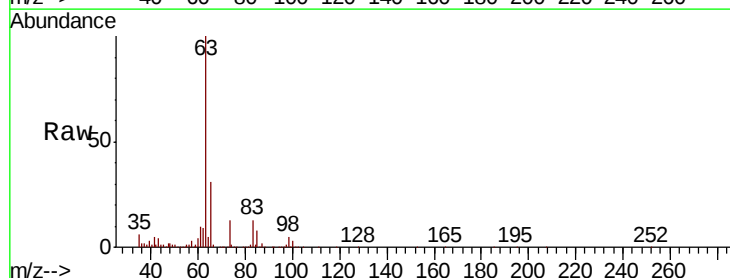
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.4	8.0
42	10.5	8.5	12.7
44	5.4	4.6	7.0

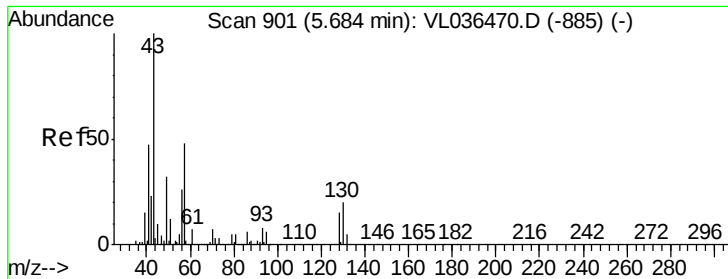


#24
 1,1-Dichloroethane
 Concen: 8.848 ppbv
 RT: 5.02 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

Tgt Ion: 63 Resp: 1596357

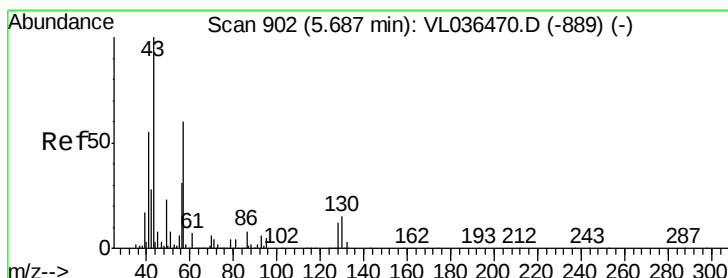
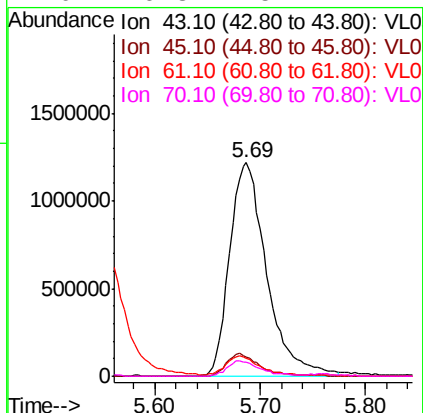
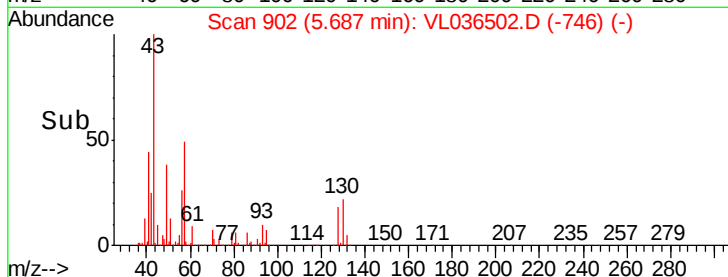
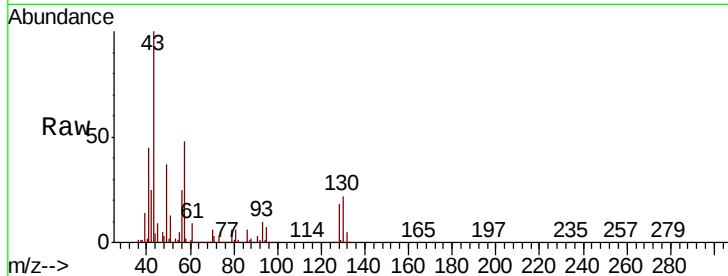
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.1	6.2
100	2.6	0.9	2.8





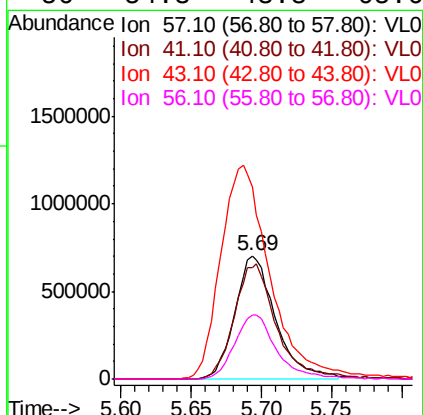
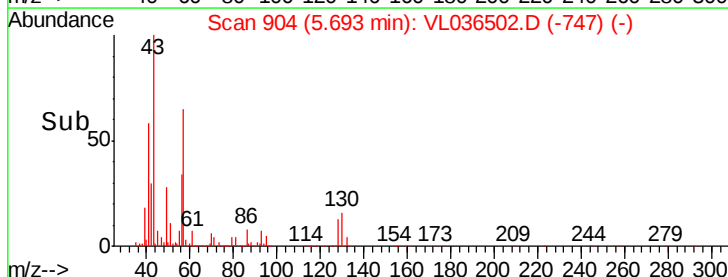
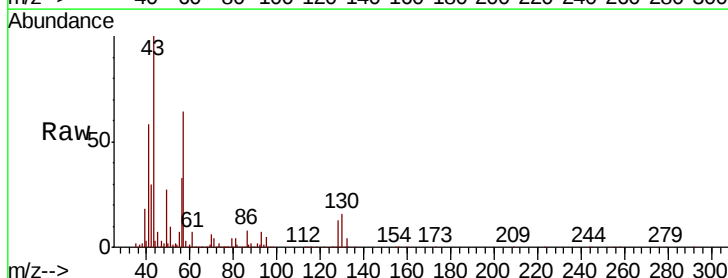
#25
Ethyl Acetate
Concen: 8.599 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 26 Mar 2021 1:35

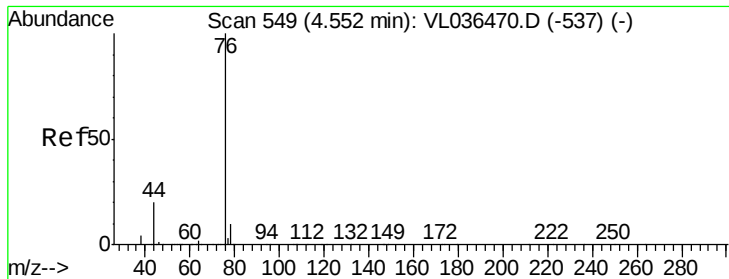
Tot Ion:	43	Resp:	2958151
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.5	7.4	11.2
70	6.3	5.1	7.7



#26
Hexane
Concen: 8.889 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.01 min
Lab File: VL036502.D
Acq: 26 Mar 2021 1:35

Tgt Ion:	57	Resp:	1419198
Ion	Ratio	Lower	Upper
57	100		
41	98.3	77.2	115.8
43	212.4	173.8	260.6
56	54.3	43.8	65.6





#27

Carbon Disulfide

Concen: 9.434 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Mar 2021 1:35

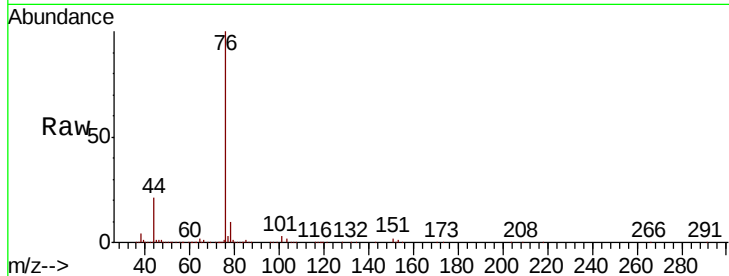
Tot Ion: 76 Resp: 1483788

Ion Ratio Lower Upper

76 100

44 21.4 17.5 26.3

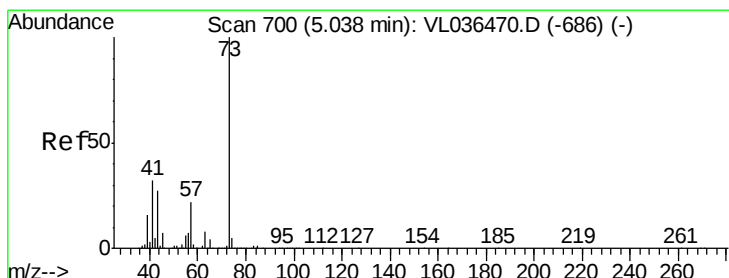
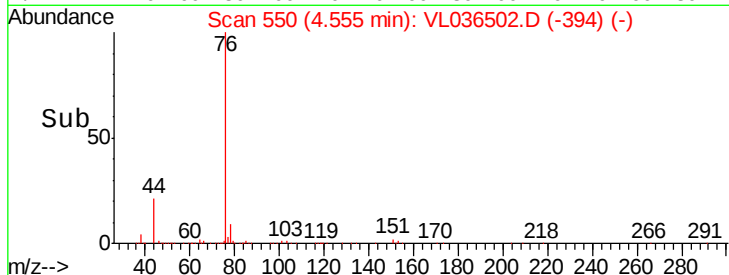
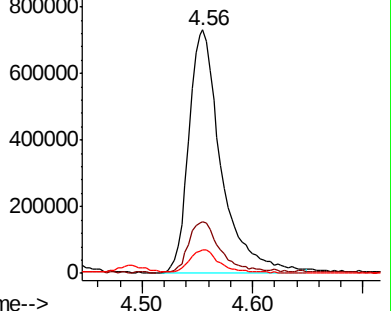
78 9.5 8.6 13.0



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: 8.798 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL036502.D

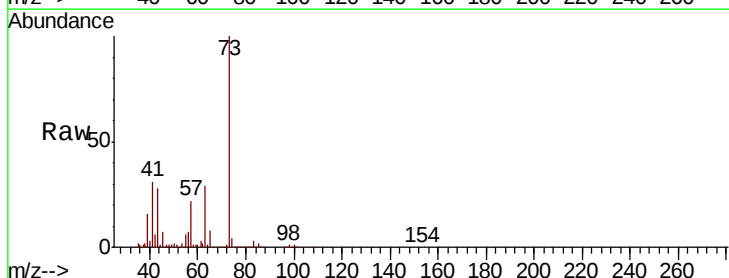
Acq: 26 Mar 2021 1:35

Tgt Ion: 73 Resp: 1656553

Ion Ratio Lower Upper

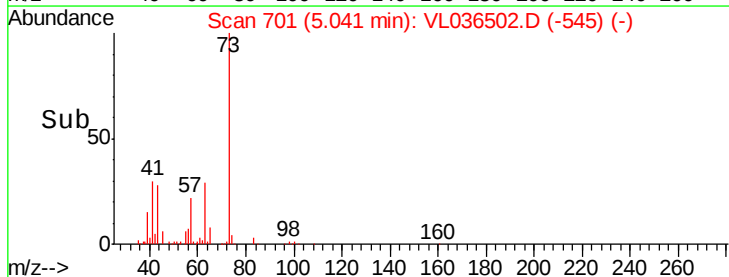
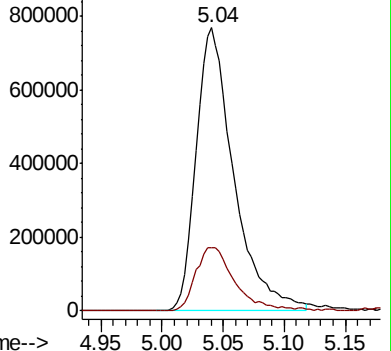
73 100

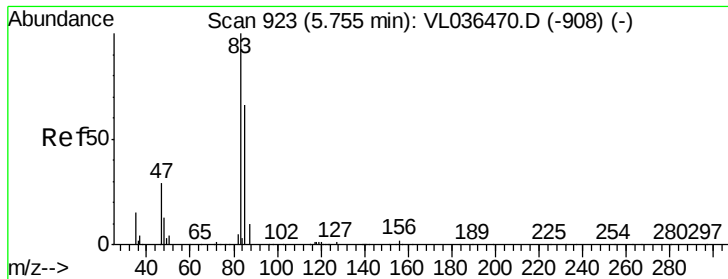
57 23.8 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0

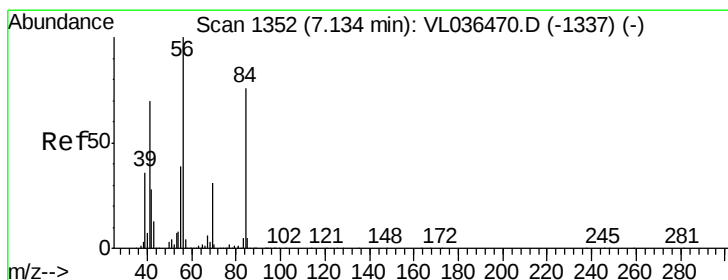
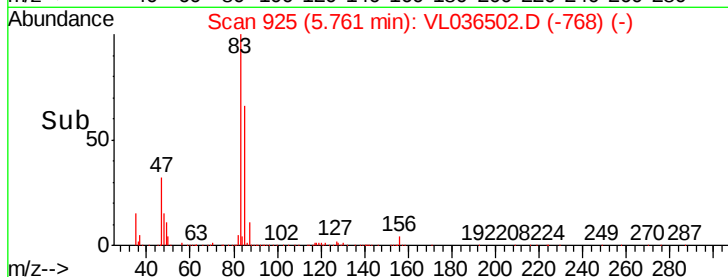
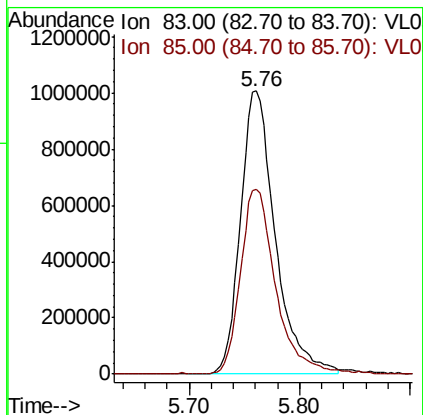
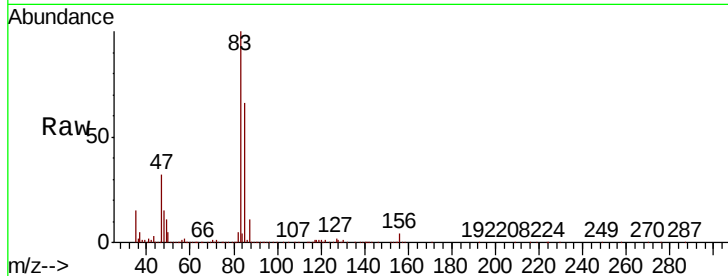
Ion 57.10 (56.80 to 57.80): VL0





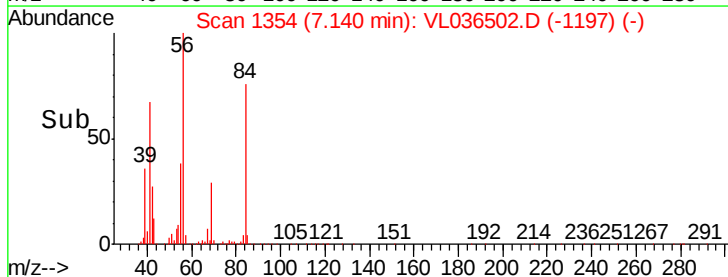
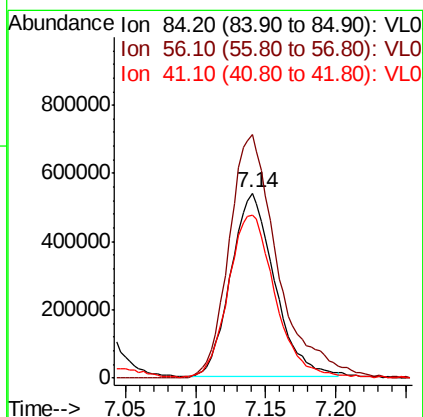
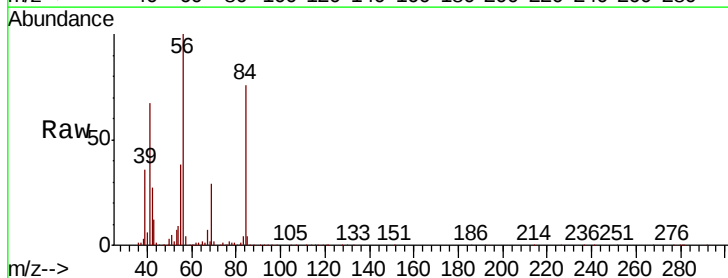
#29
Chloroform
Concen: 8.637 ppbv
RT: 5.76
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Mar 2021 1:35

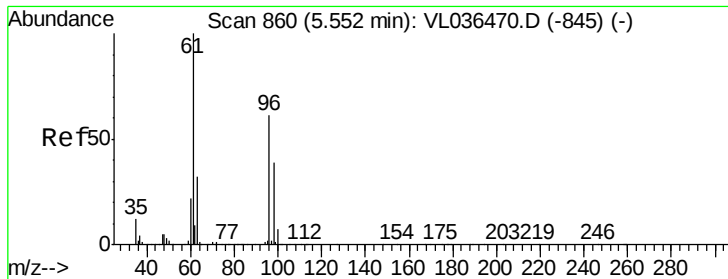
Tot Ion: 83 Resp: 2205234
Ion Ratio Lower Upper
83 100
85 65.2 52.6 78.8



#30
Cyclohexane
Concen: 9.059 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL036502.D
Acq: 26 Mar 2021 1:35

Tgt Ion: 84 Resp: 1172993
Ion Ratio Lower Upper
84 100
56 148.0 114.6 171.8
41 95.5 75.3 112.9





#31

cis-1,2-Dichloroethene

Concen: 9.175 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Mar 2021 1:35

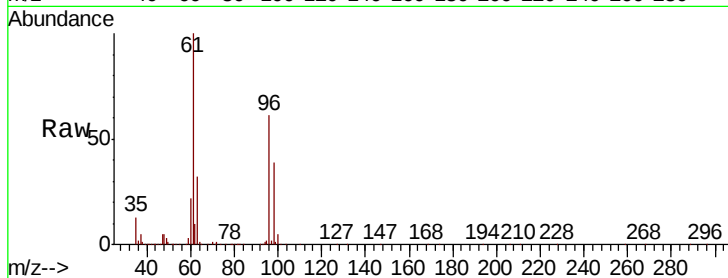
Tot Ion: 61 Resp: 1416789

Ion Ratio Lower Upper

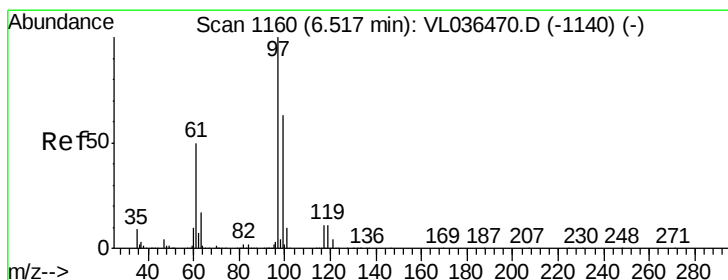
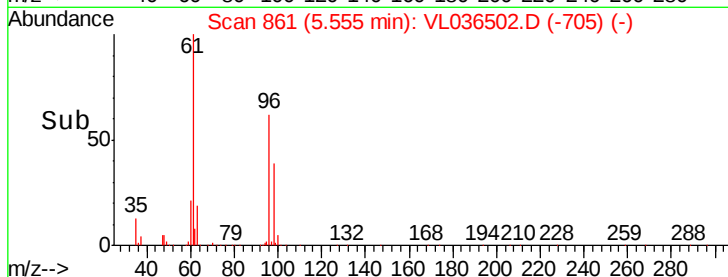
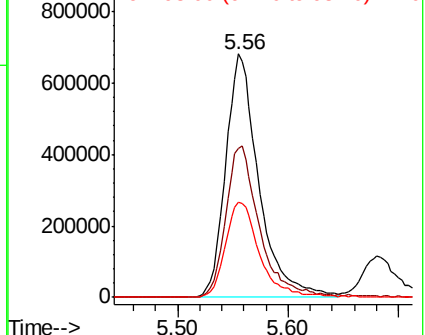
61 100

96 61.1 48.7 73.1

98 39.2 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: 8.683 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL036502.D

Acq: 26 Mar 2021 1:35

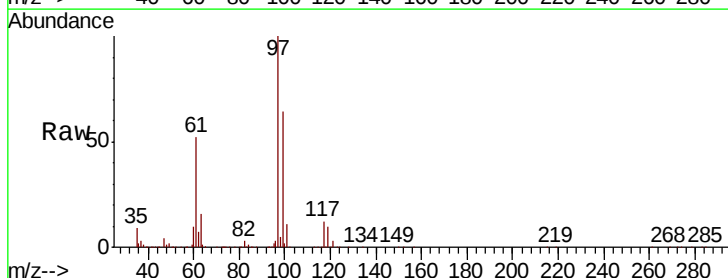
Tgt Ion: 97 Resp: 2234274

Ion Ratio Lower Upper

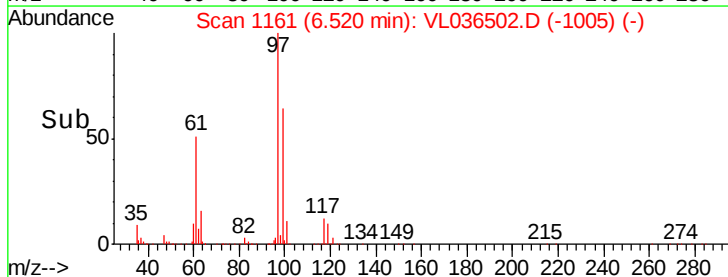
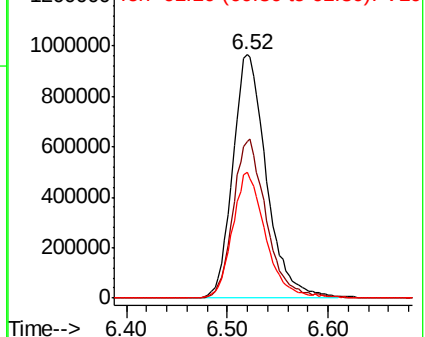
97 100

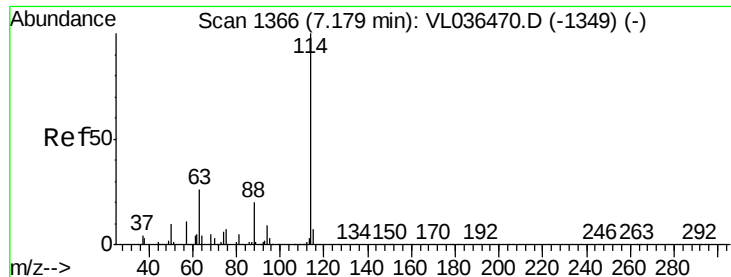
99 64.7 51.4 77.0

61 51.4 40.6 60.8



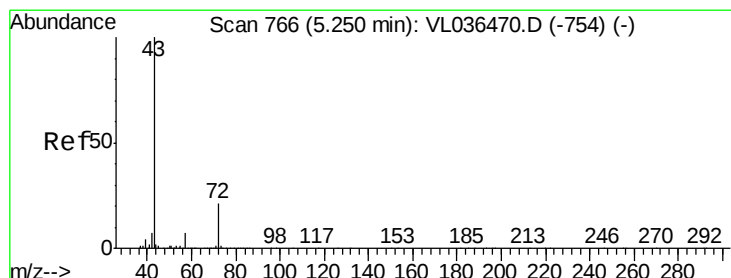
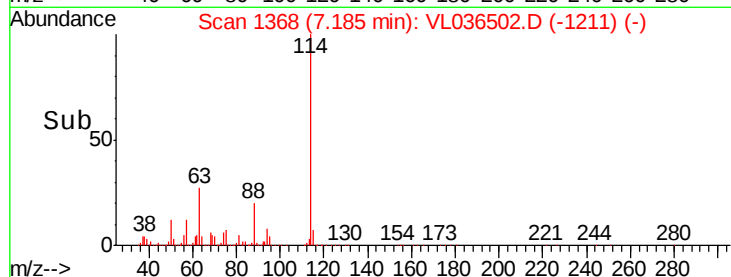
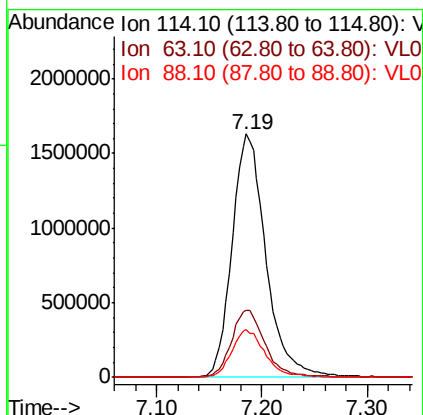
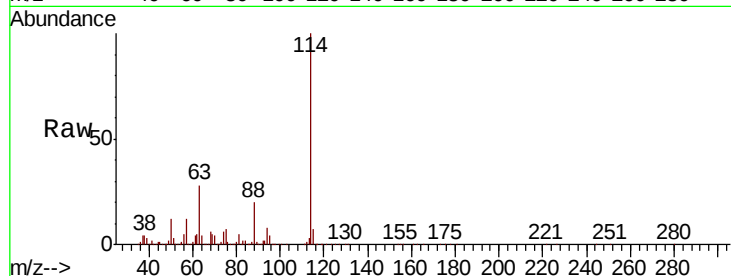
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





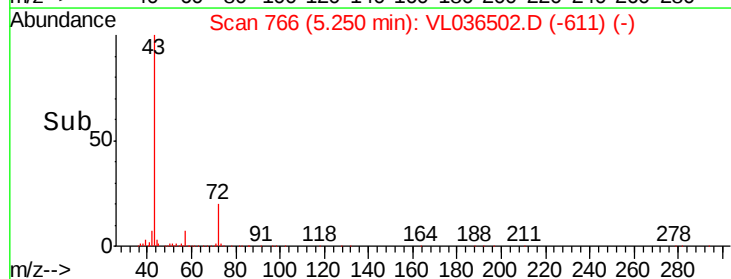
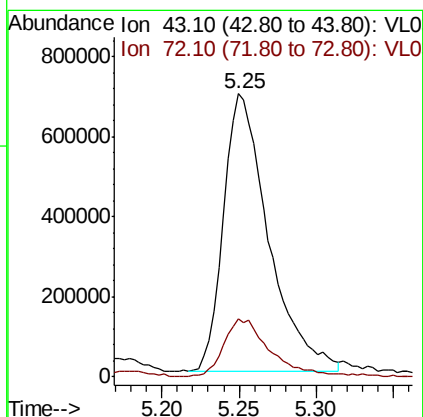
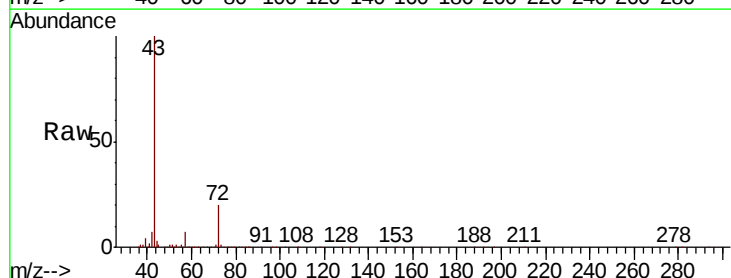
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 1:35

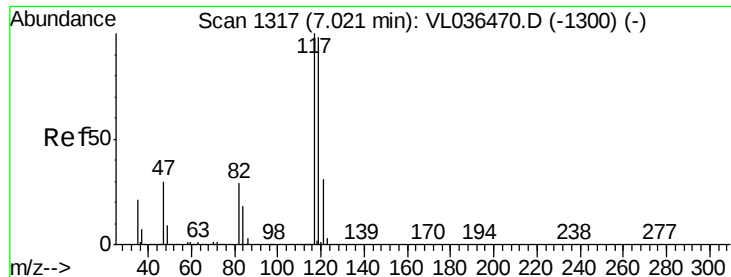
Tot Ion:114 Resp: 3620006
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.4 33.6
 88 19.4 15.4 23.0



#34
 2-Butanone
 Concen: 7.939 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

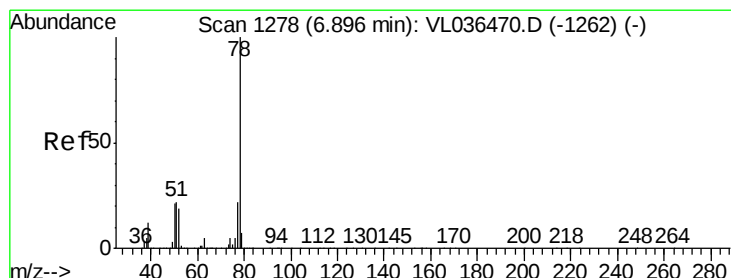
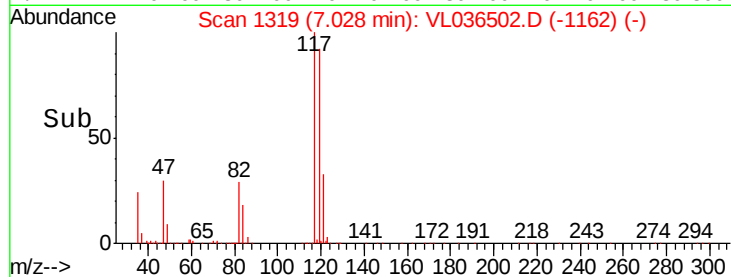
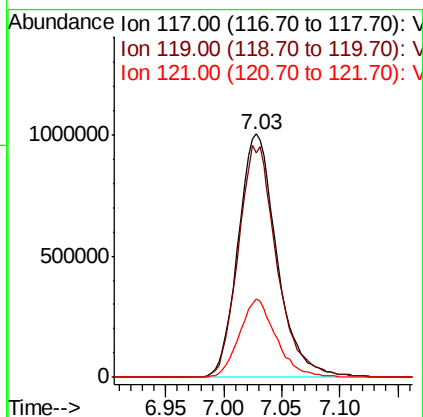
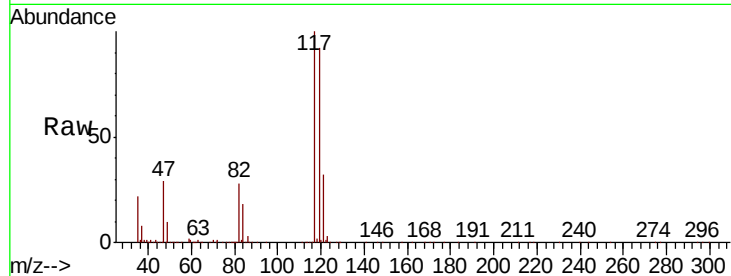
Tgt Ion: 43 Resp: 1402855
 Ion Ratio Lower Upper
 43 100
 72 22.0 17.0 25.6





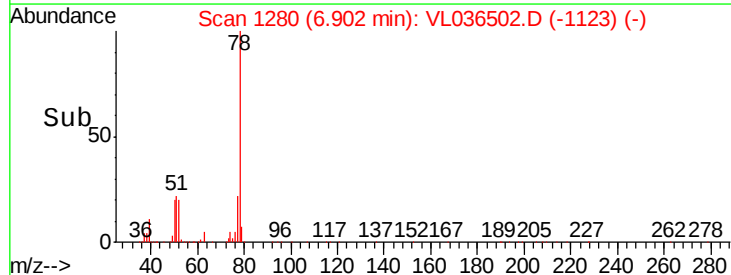
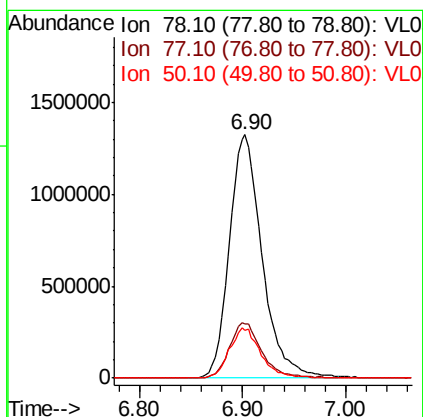
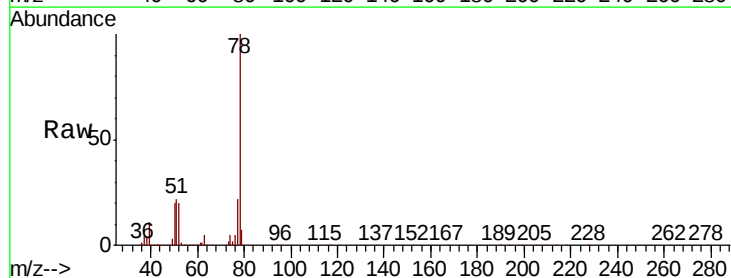
#35
 Carbon Tetrachloride
 Concen: 8.323 ppbv
 RT: 7.03
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 26 Mar 2021 1:35

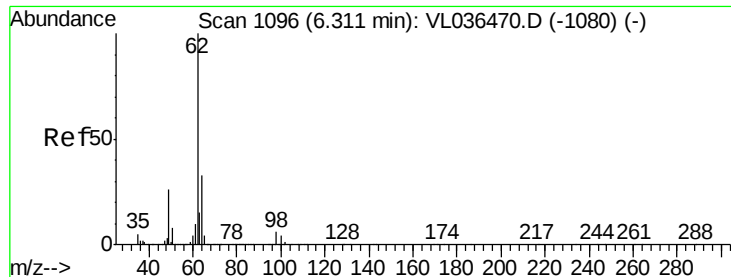
Tot Ion:117 Resp: 2314240
 Ion Ratio Lower Upper
 117 100
 119 92.2 78.2 117.2
 121 32.0 24.5 36.7



#36
 Benzene
 Concen: 8.784 ppbv
 RT: 6.90 min Scan# 1280
 Delta R.T. 0.01 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

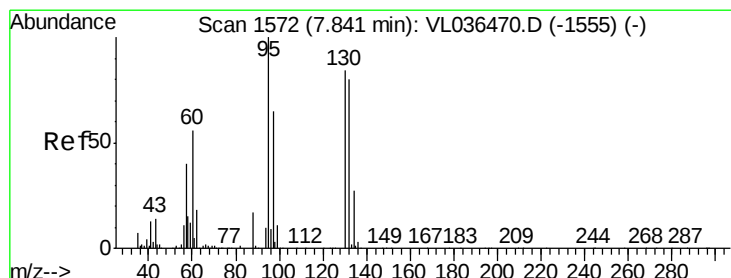
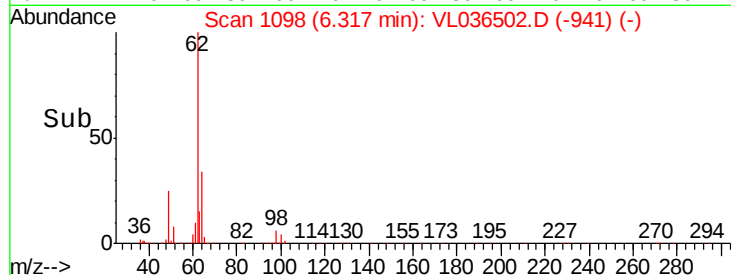
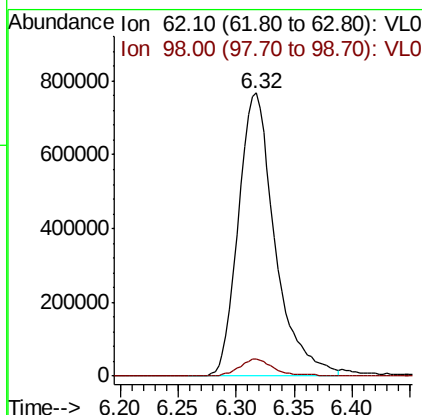
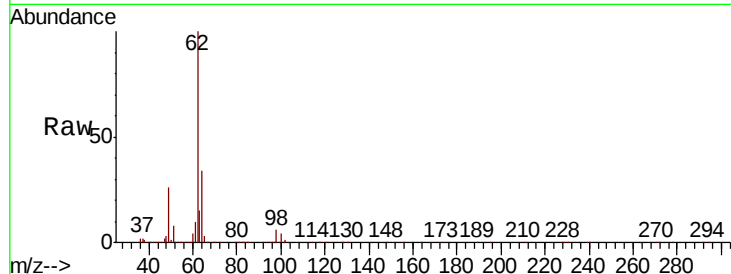
Tgt Ion: 78 Resp: 2932614
 Ion Ratio Lower Upper
 78 100
 77 22.3 18.0 27.0
 50 19.8 16.5 24.7





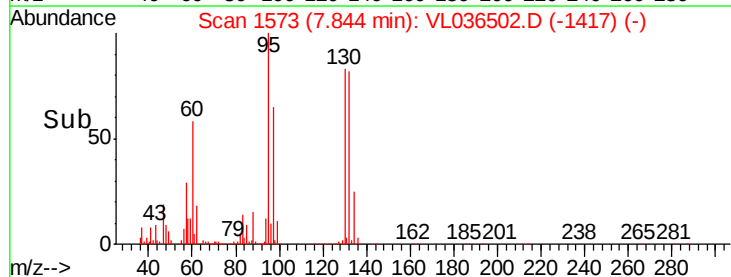
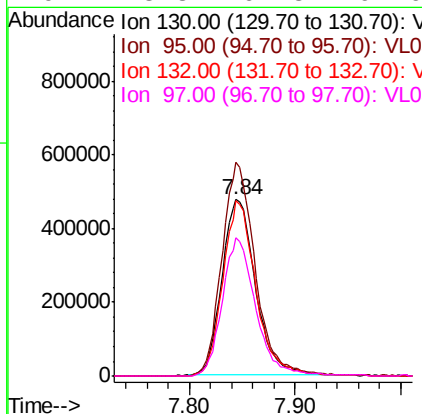
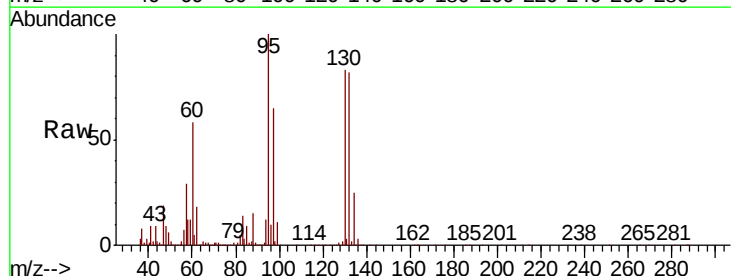
#37
 1,2-Dichloroethane
 Concen: 8.572 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 1:35

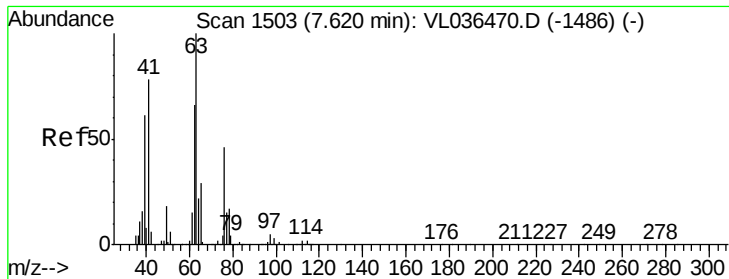
Tot Ion: 62 Resp: 1684491
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.9 7.3



#38
 Trichloroethene
 Concen: 8.067 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

Tgt Ion: 130 Resp: 1048102
 Ion Ratio Lower Upper
 130 100
 95 121.3 95.7 143.5
 132 99.7 76.2 114.4
 97 78.3 61.8 92.6

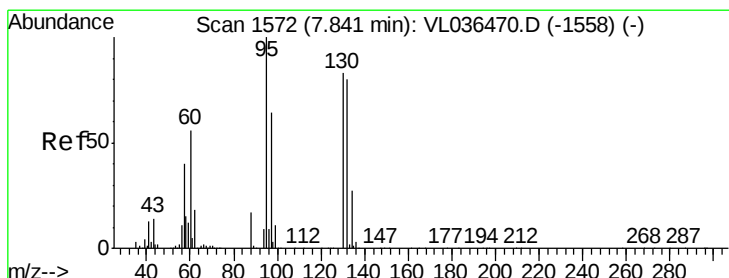
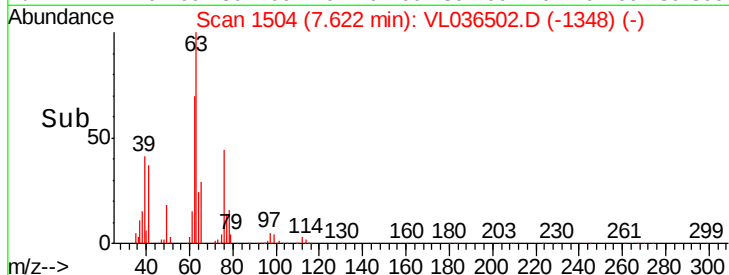
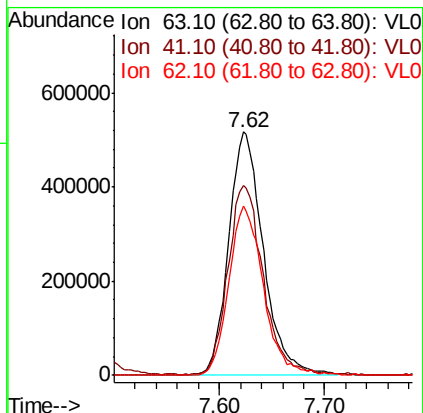
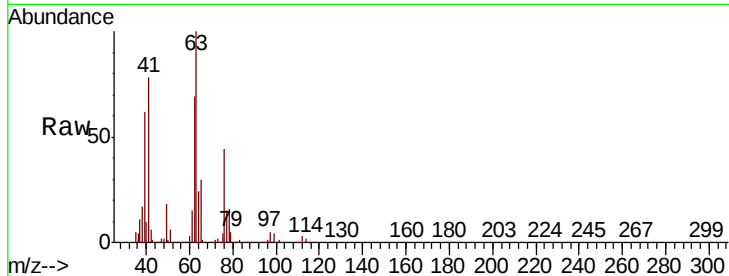




#39
 1,2-Dichloropropane
 Concen: 8.691 ppbv
 RT: 7.62 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 1:35

Tot Ion: 63 Resp: 1177091

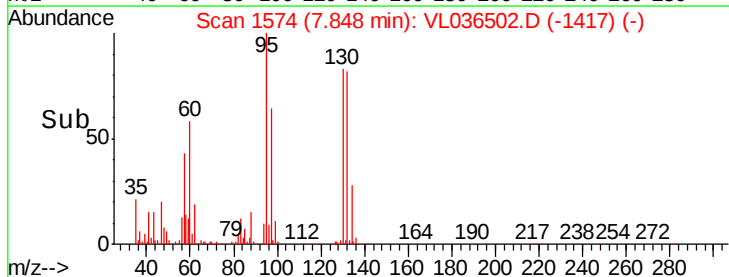
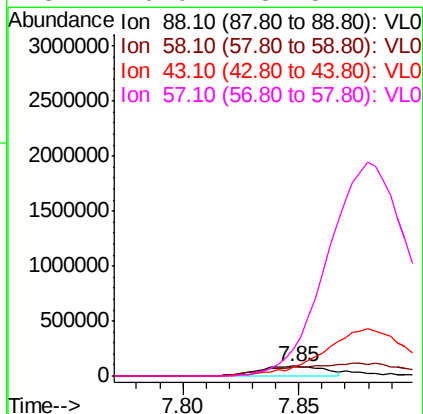
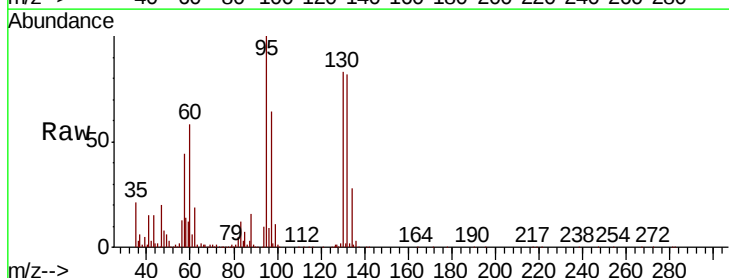
Ion	Ratio	Lower	Upper
63	100		
41	77.9	62.4	93.6
62	69.4	52.8	79.2

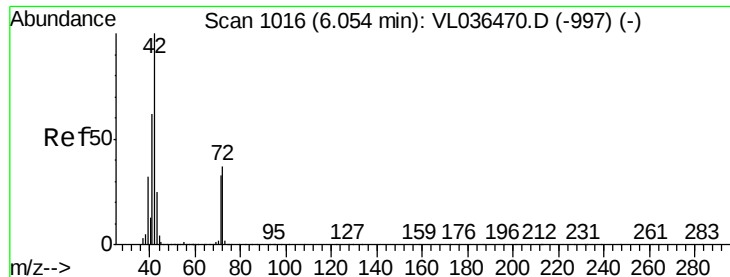


#40
 1,4-Dioxane
 Concen: 5.533 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

Tgt Ion: 88 Resp: 174402

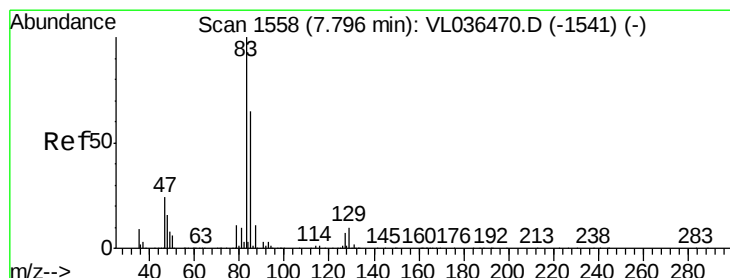
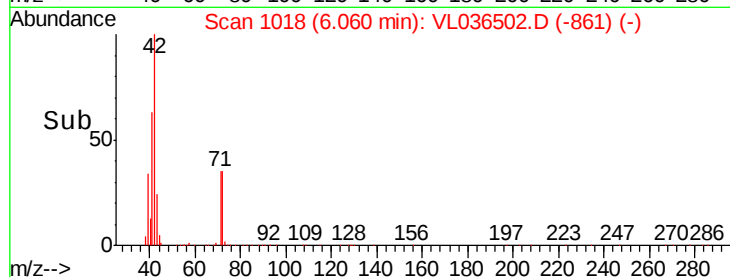
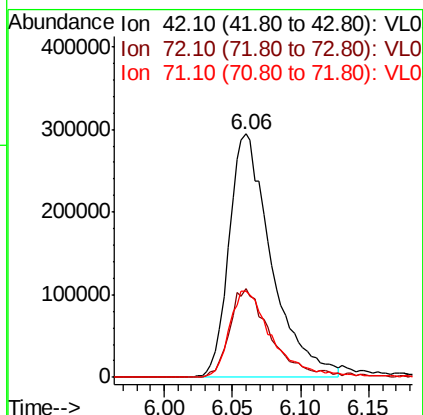
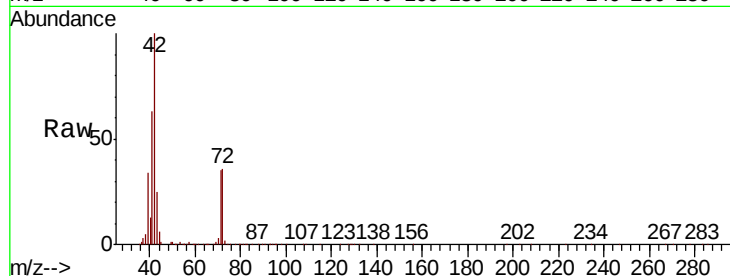
Ion	Ratio	Lower	Upper
88	100		
58	0.0	134.1	201.1#
43	0.0	346.6	520.0#
57	0.0	1481.8	2222.8#





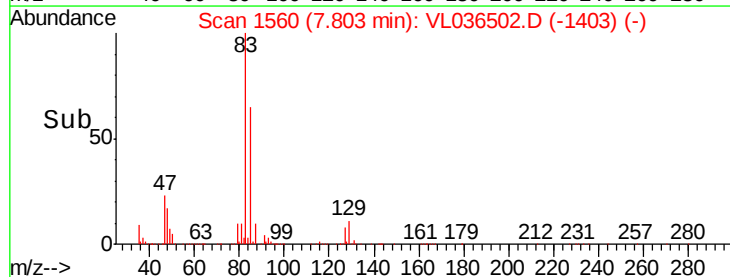
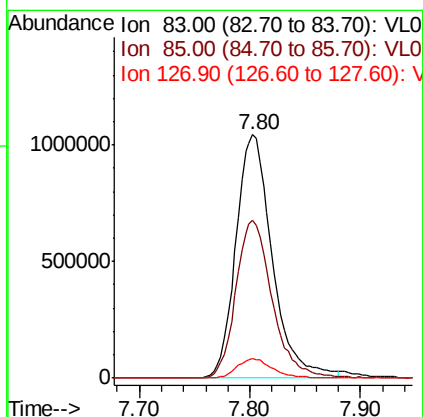
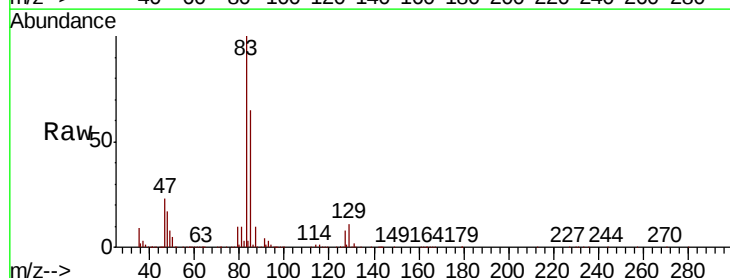
#41
Tetrahydrofuran
Concen: 7.760 ppbv
RT: 6.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 26 Mar 2021 1:35

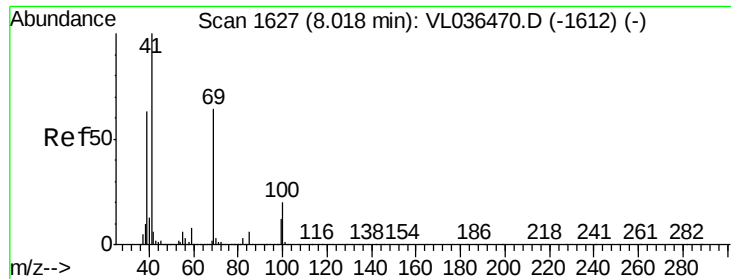
Tot Ion:	42	Resp:	632204
Ion	Ratio	Lower	Upper
42	100		
72	36.9	27.6	41.4
71	36.9	27.0	40.4



#42
Bromodichloromethane
Concen: 8.930 ppbv
RT: 7.80 min Scan# 1560
Delta R.T.: 0.01 min
Lab File: VL036502.D
Acq: 26 Mar 2021 1:35

Tgt Ion:	83	Resp:	2386722
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.8	77.6
127	8.3	5.8	8.8





#43

Methyl Methacrylate

Concen: 10.075 ppbv

RT: 8.02

Instrument: MSVOA_1

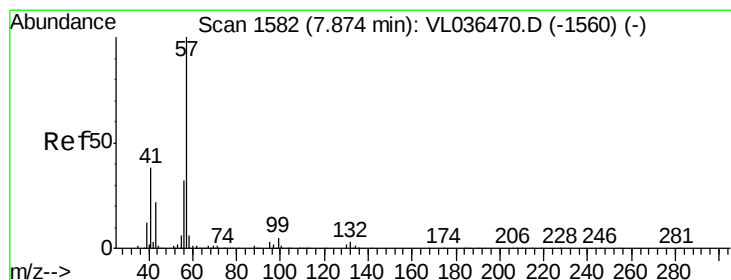
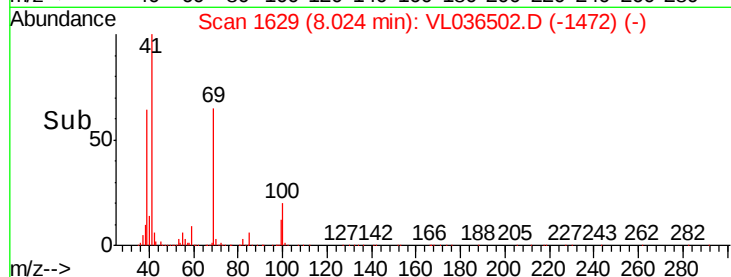
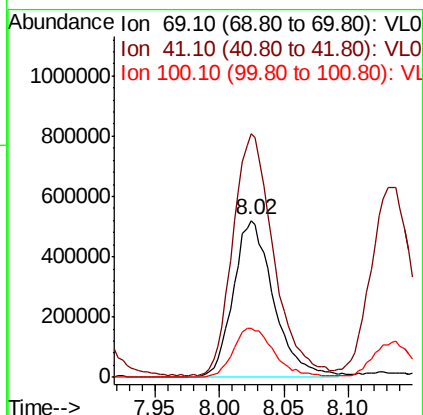
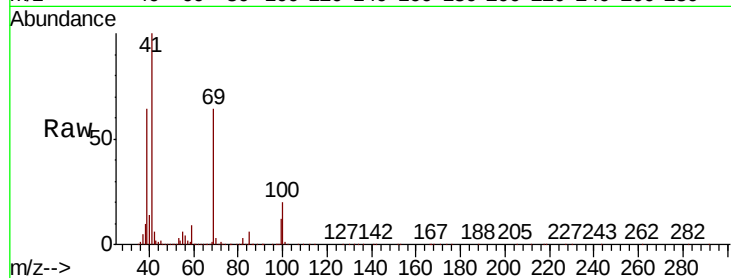
Delta R.T.:

Lab File: ClientSampleId:

Acq: 26 Mar 2021 1:35

Tot Ion: 69 Resp: 1129549

Ion	Ratio	Lower	Upper
69	100		
41	158.4	126.8	190.2
100	31.9	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 8.472 ppbv

RT: 7.88 min Scan# 1584

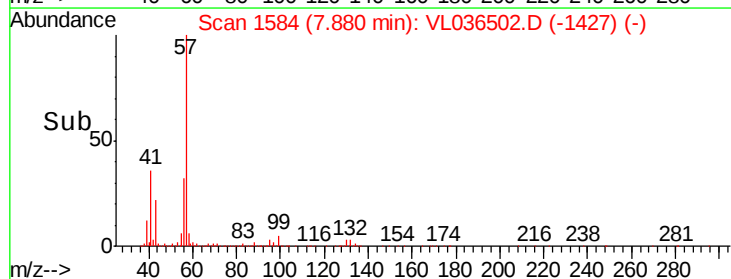
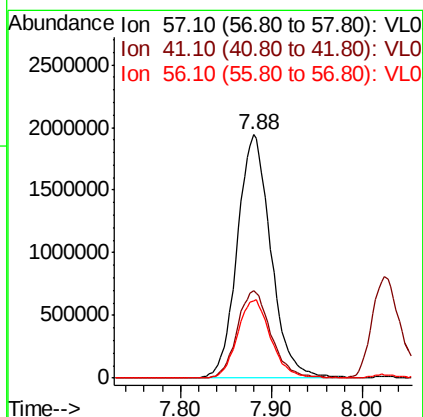
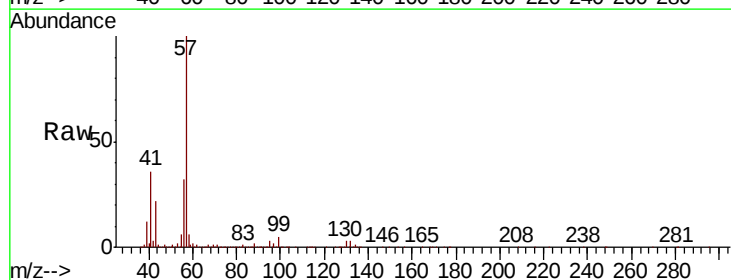
Delta R.T. 0.01 min

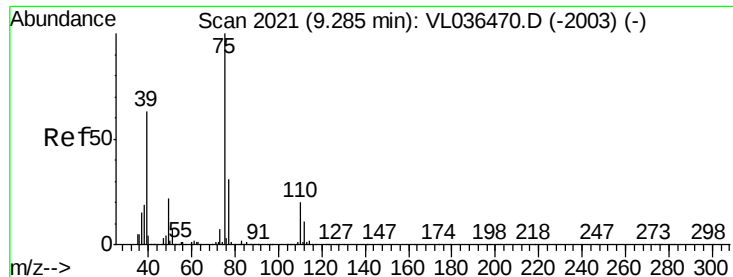
Lab File: VL036502.D

Acq: 26 Mar 2021 1:35

Tgt Ion: 57 Resp: 4978240

Ion	Ratio	Lower	Upper
57	100		
41	35.7	28.8	43.2
56	32.1	26.1	39.1





#45

t-1,3-Dichloropropene

Concen: 7.837 ppbv

RT: 9.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

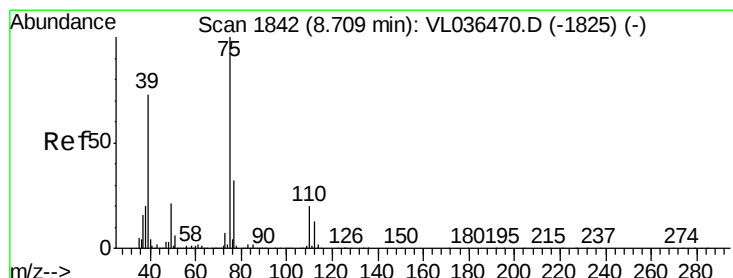
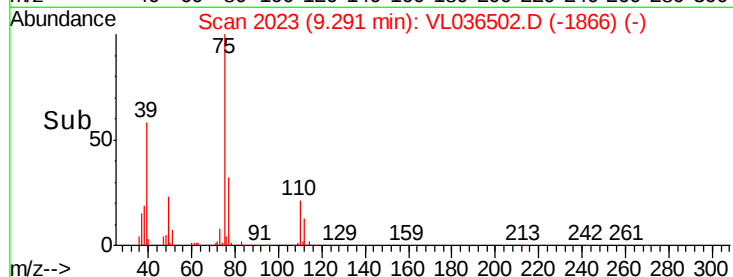
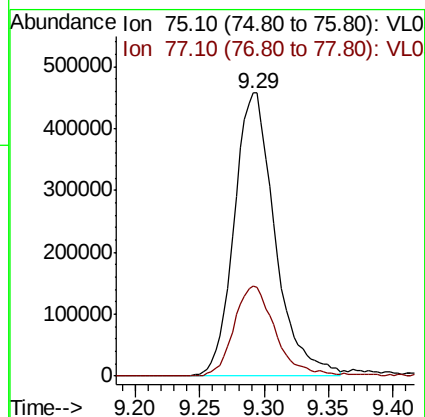
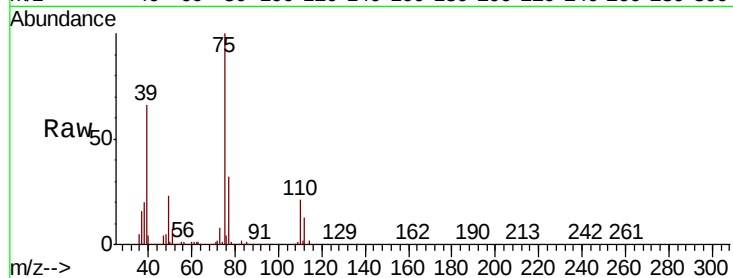
Acq: 26 Mar 2021 1:35

Tot Ion: 75 Resp: 1003215

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



#46

cis-1,3-Dichloropropene

Concen: 7.805 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VL036502.D

Acq: 26 Mar 2021 1:35

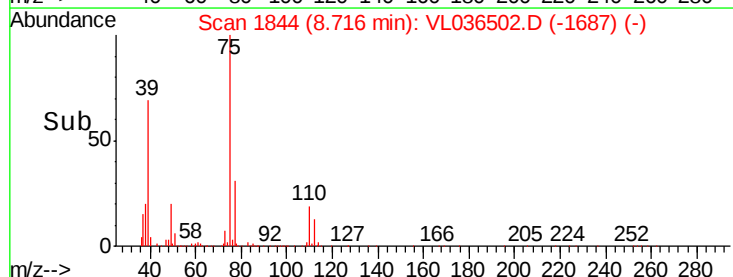
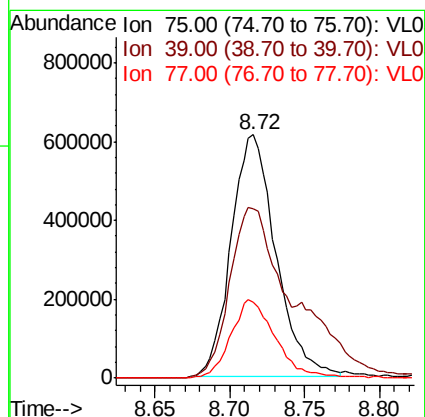
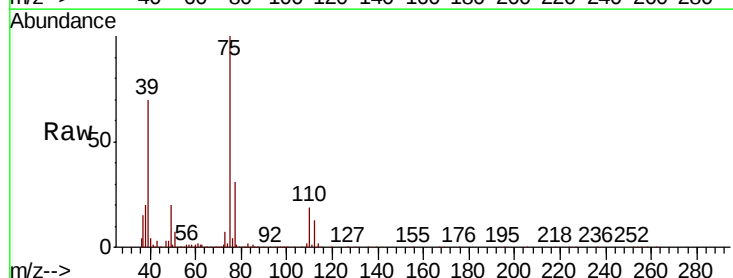
Tgt Ion: 75 Resp: 1277129

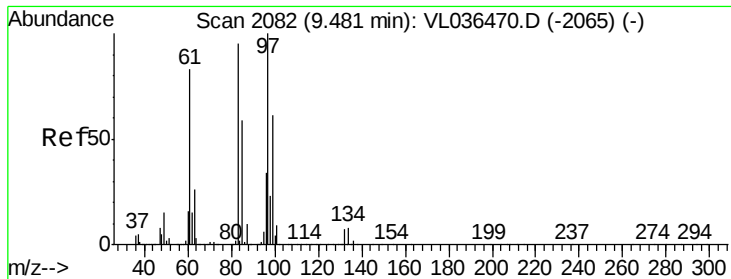
Ion Ratio Lower Upper

75 100

39 69.2 58.2 87.2

77 31.4 25.2 37.8

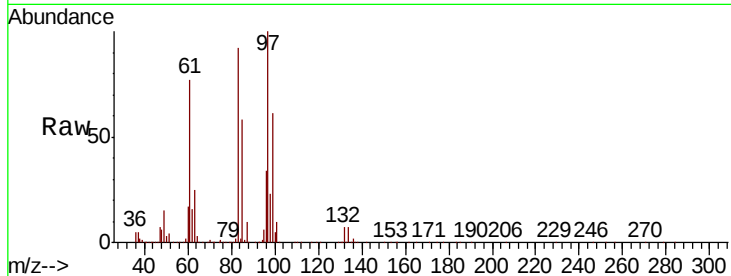




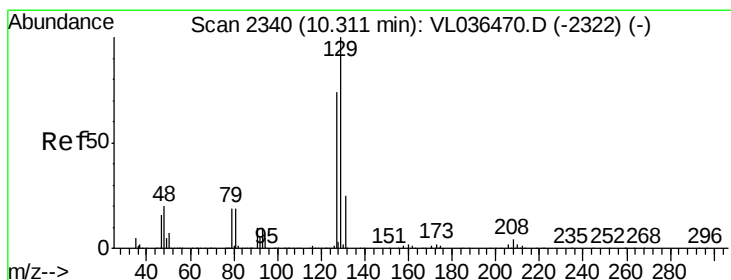
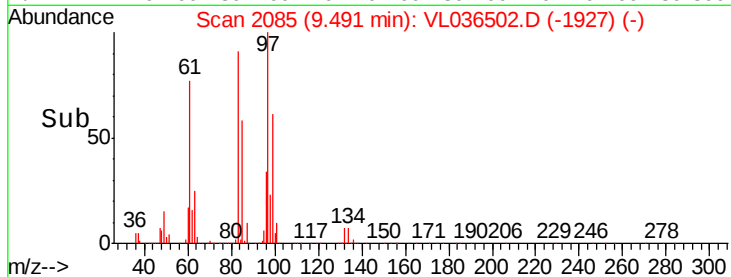
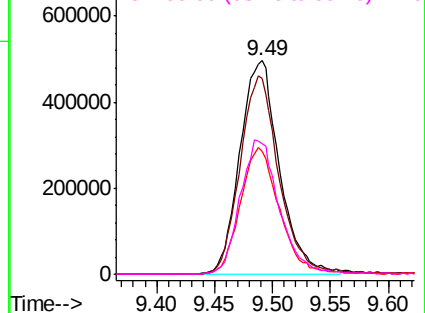
#47
 1,1,2-Trichloroethane
 Concen: 8.582 ppbv
 RT: 9.49 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 26 Mar 2021 1:35

Tot Ion: 97 Resp: 1177279

Ion	Ratio	Lower	Upper
97	100		
83	91.6	75.8	113.8
85	57.4	47.1	70.7
99	61.0	49.2	73.8



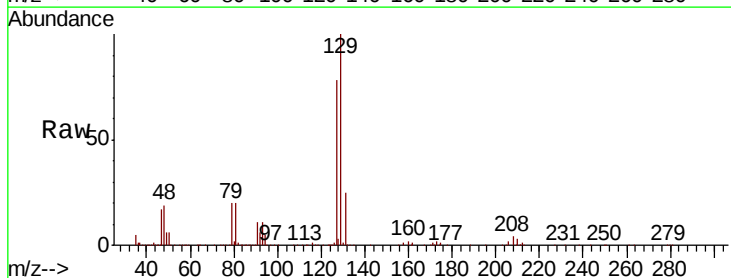
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



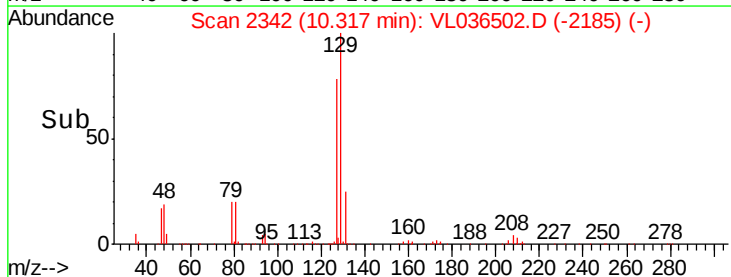
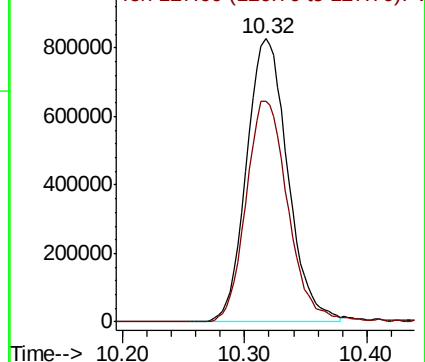
#48
 Dibromochloromethane
 Concen: 9.228 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T.: 0.01 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

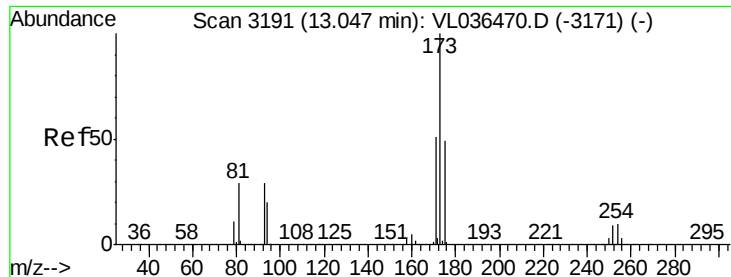
Tgt Ion: 129 Resp: 1929714

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.6	118.8



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





#49

Bromoform

Concen: 9.268 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File:

Acq: 26 Mar 2021 1:35

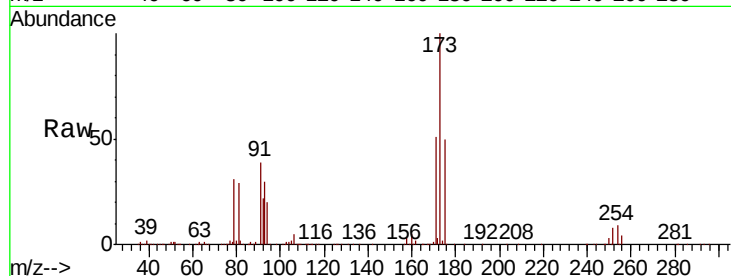
Tot Ion:173 Resp: 1561563

Ion Ratio Lower Upper

173 100

175 50.4 39.6 59.4

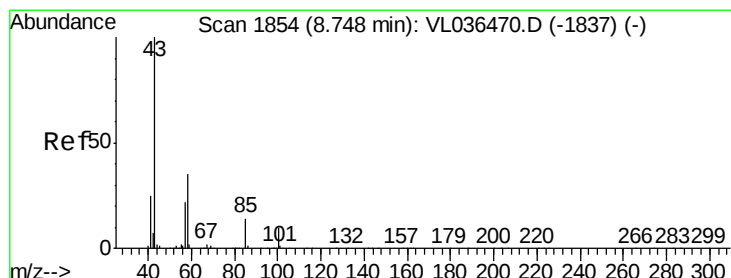
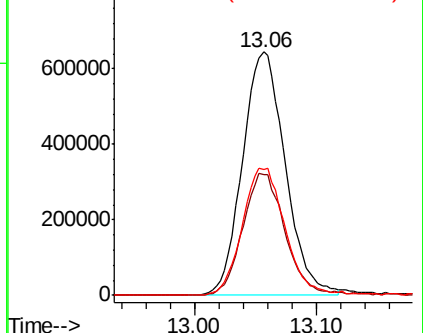
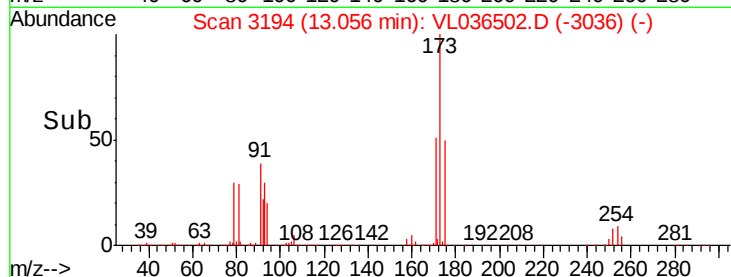
171 53.1 41.4 62.0



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: 8.586 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL036502.D

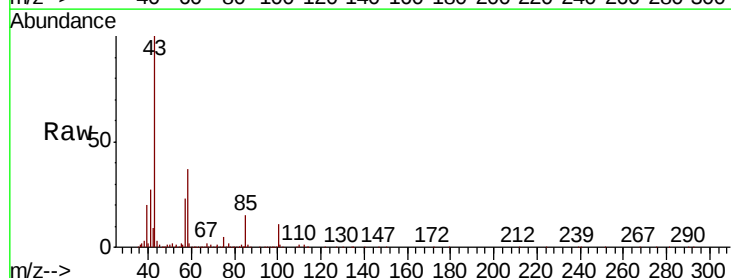
Acq: 26 Mar 2021 1:35

Tgt Ion: 43 Resp: 2195188

Ion Ratio Lower Upper

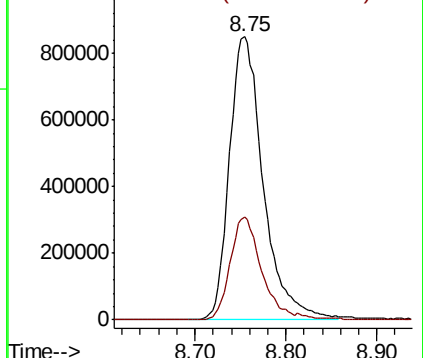
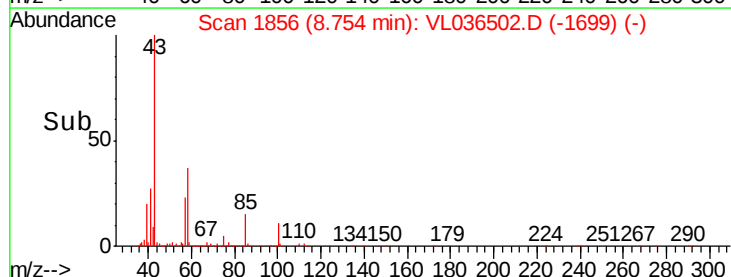
43 100

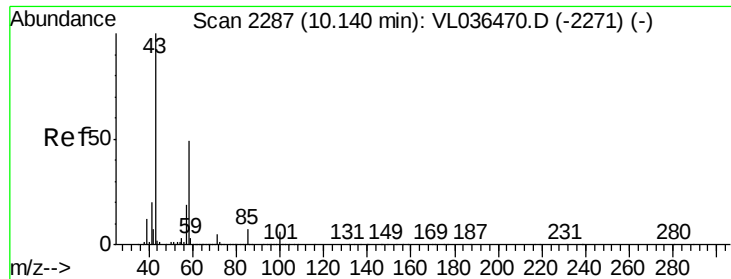
58 34.6 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

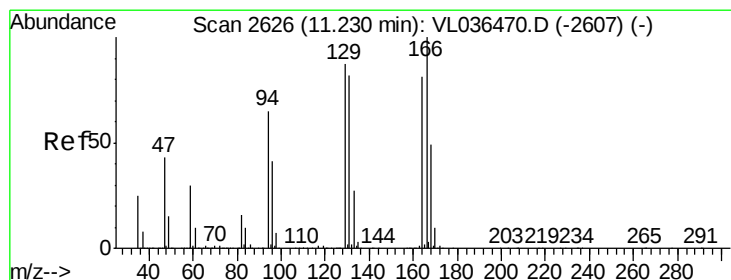
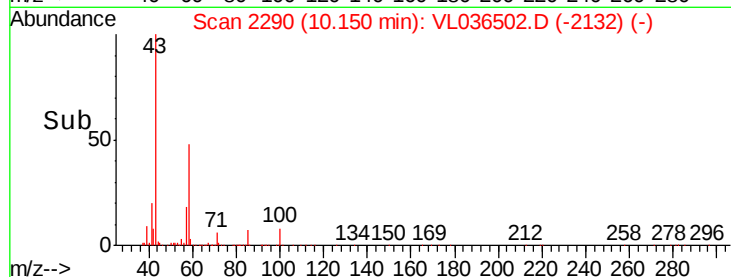
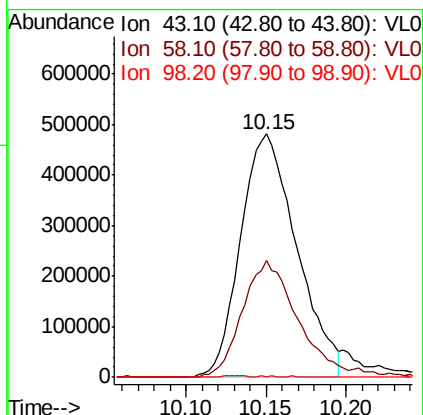
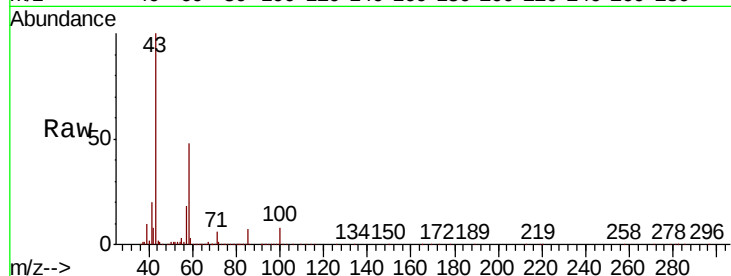
Ion 58.10 (57.80 to 58.80): VL0





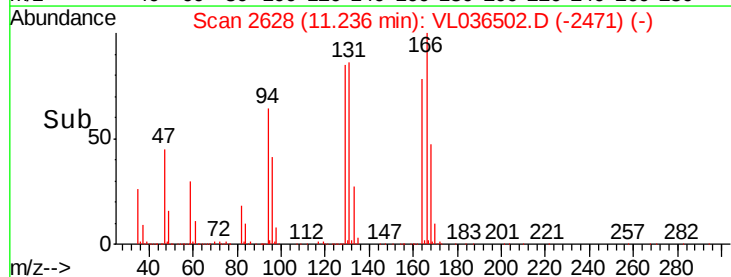
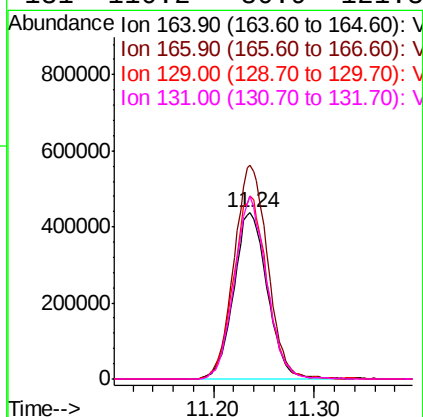
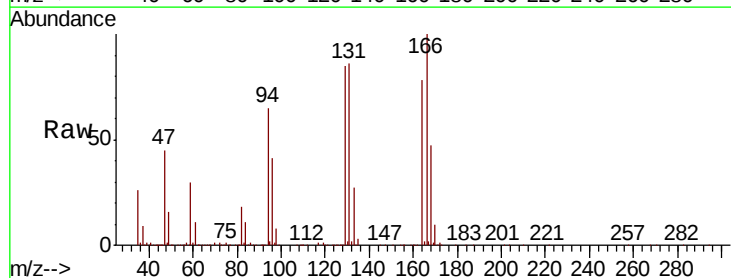
#51
2-Hexanone
Concen: 8.927 ppbv
RT: 10.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Mar 2021 1:35

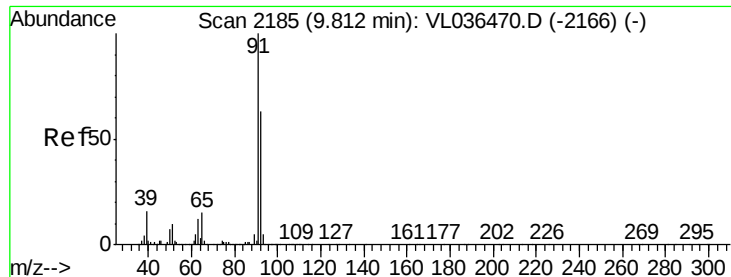
Tot Ion: 43 Resp: 1151892
Ion Ratio Lower Upper
43 100
58 49.2 37.7 56.5
98 0.8 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.172 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.01 min
Lab File: VL036502.D
Acq: 26 Mar 2021 1:35

Tgt Ion: 164 Resp: 1004661
Ion Ratio Lower Upper
164 100
166 128.6 98.3 147.5
129 109.9 85.8 128.8
131 110.2 80.9 121.3





#53

Toluene

Concen: 9.293 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

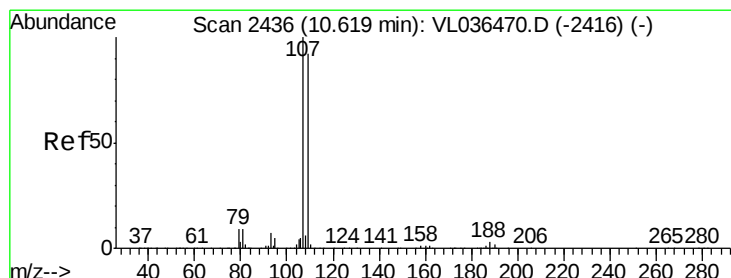
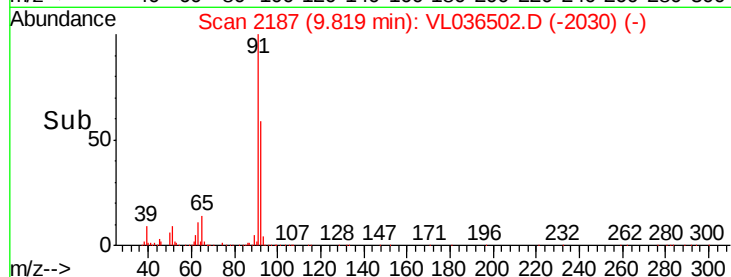
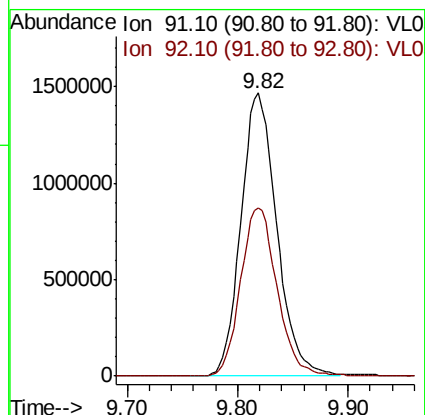
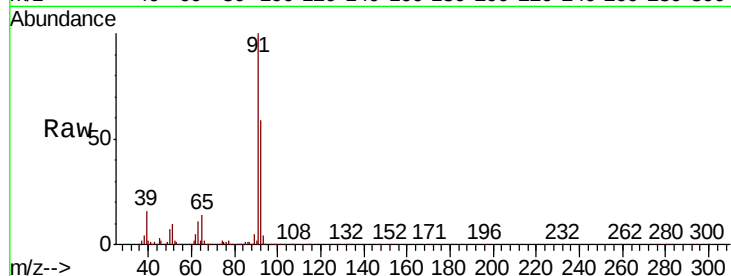
Acq: 26 Mar 2021 1:35

Tot Ion: 91 Resp: 3303940

Ion Ratio Lower Upper

91 100

92 60.8 48.8 73.2



#54

1,2-Dibromoethane

Concen: 8.644 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL036502.D

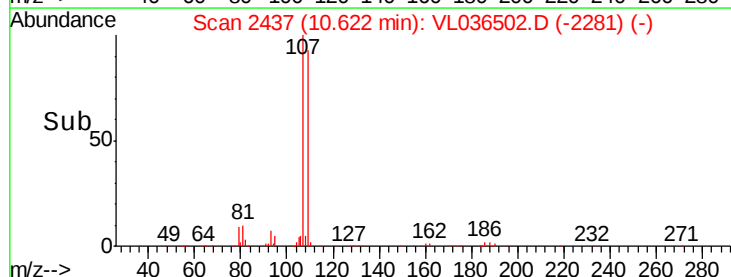
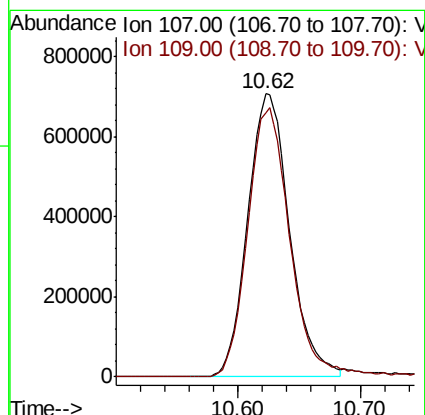
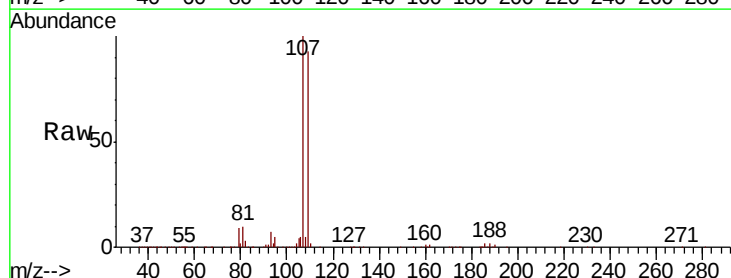
Acq: 26 Mar 2021 1:35

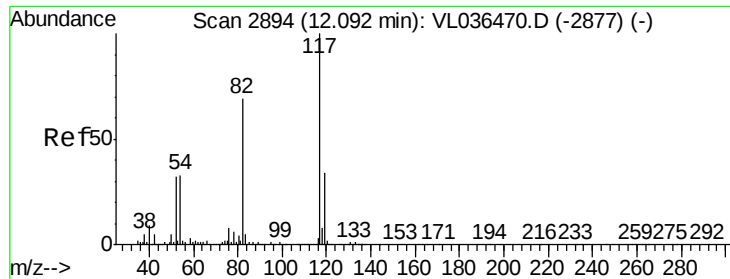
Tgt Ion: 107 Resp: 1674606

Ion Ratio Lower Upper

107 100

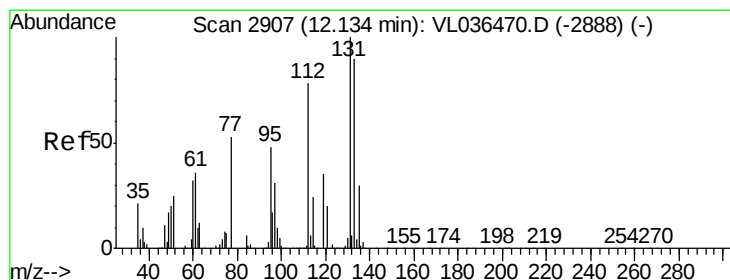
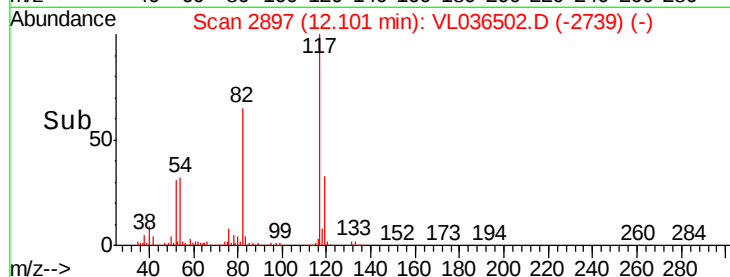
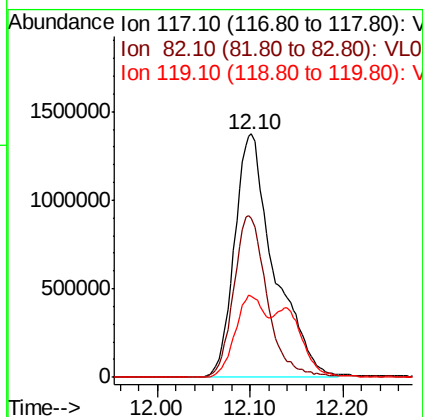
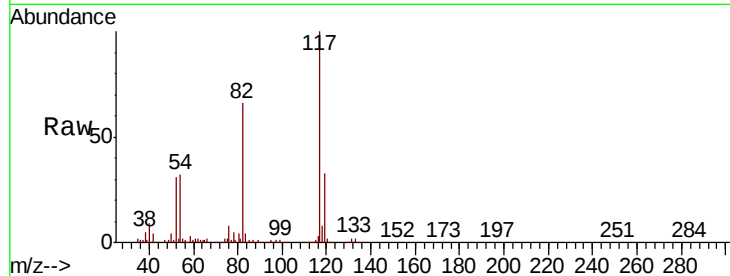
109 93.3 73.9 110.9





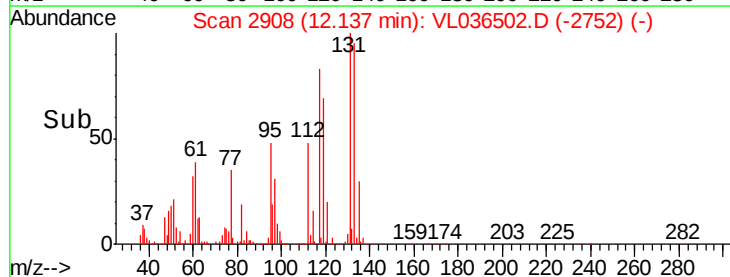
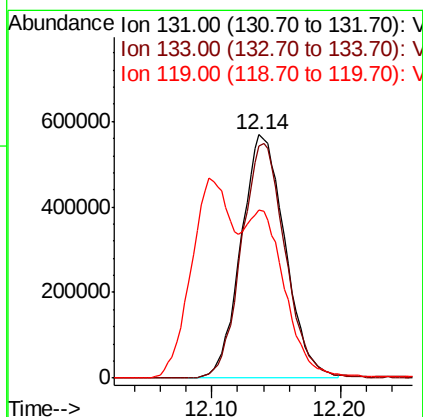
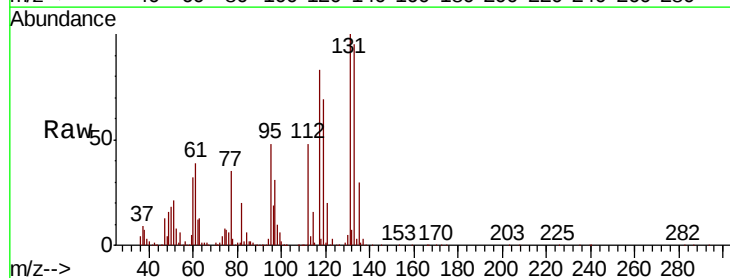
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 26 Mar 2021 1:35

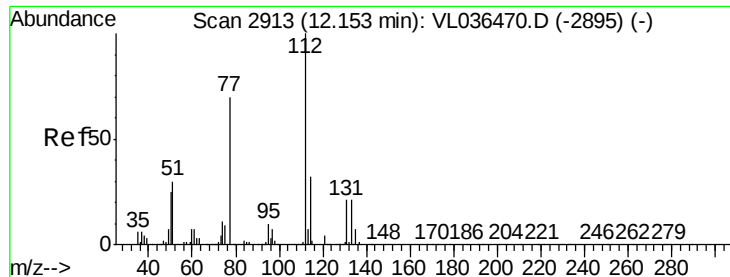
Tot Ion:117 Resp: 4084046
 Ion Ratio Lower Upper
 117 100
 82 56.0 57.4 86.0#
 119 47.2 47.4 71.0#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.305 ppbv
 RT: 12.14 min Scan# 2908
 Delta R.T.: 0.00 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

Tgt Ion:131 Resp: 1349320
 Ion Ratio Lower Upper
 131 100
 133 96.2 75.8 113.6
 119 142.9 48.7 73.1#





#57

Chlorobenzene

Concen: 6.915 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File:

Acq: 26 Mar 2021 1:35

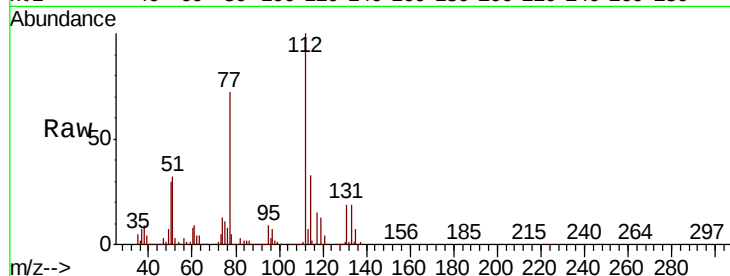
Tot Ion: 112 Resp: 2402989

Ion Ratio Lower Upper

112 100

77 71.6 56.0 84.0

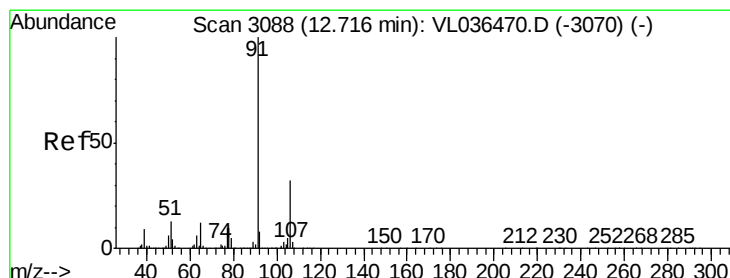
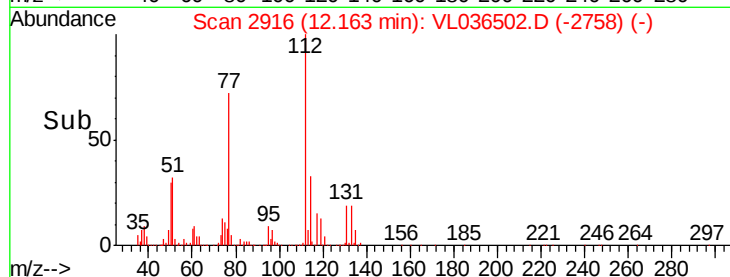
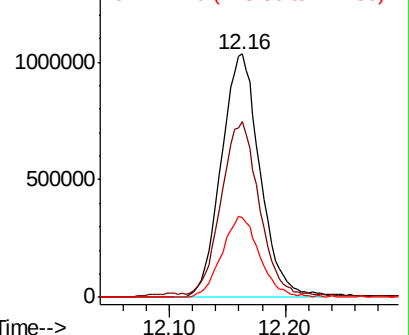
114 32.3 29.0 35.4



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: 7.397 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.01 min

Lab File: VL036502.D

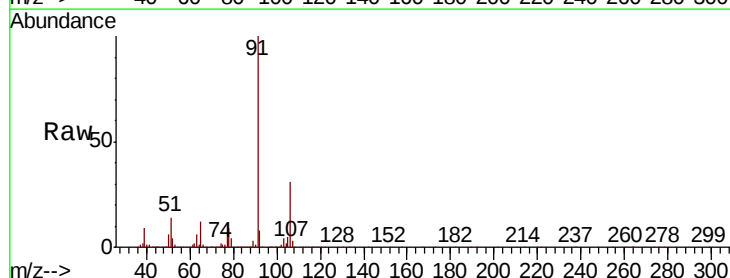
Acq: 26 Mar 2021 1:35

Tgt Ion: 91 Resp: 4394891

Ion Ratio Lower Upper

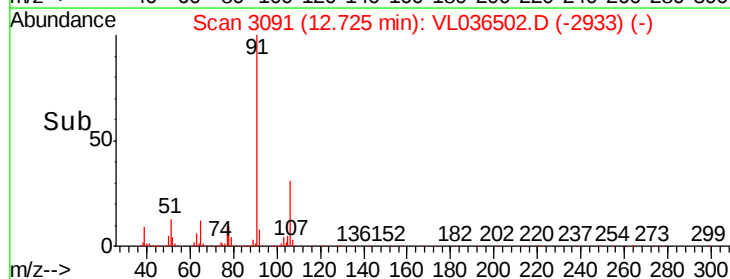
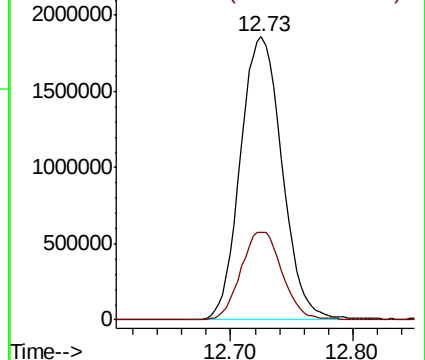
91 100

106 30.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

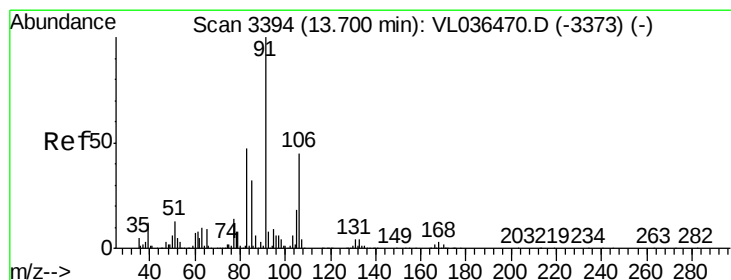
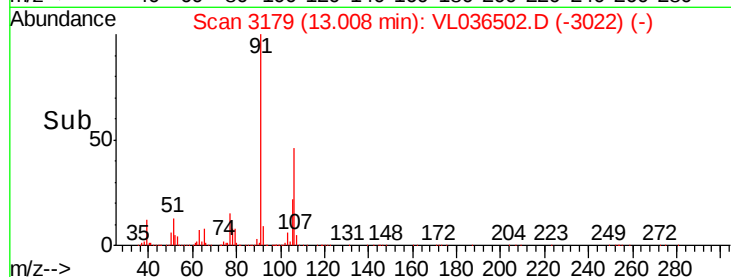
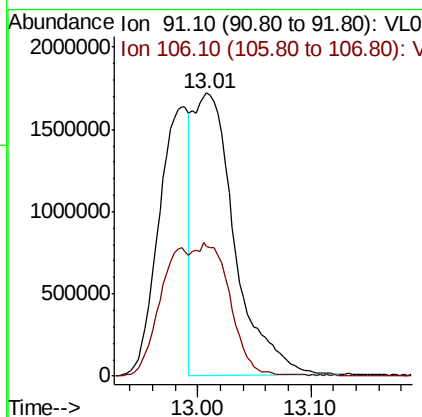
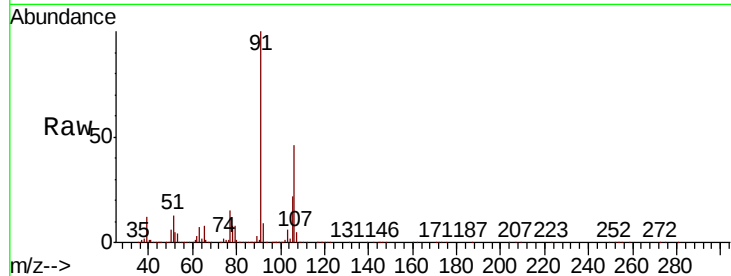
Ion 106.10 (105.80 to 106.80): V





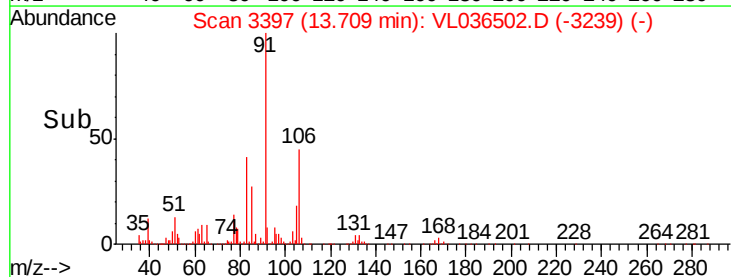
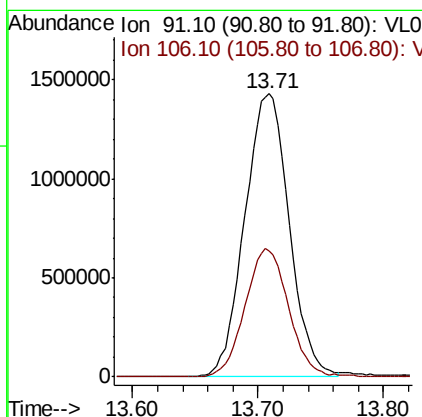
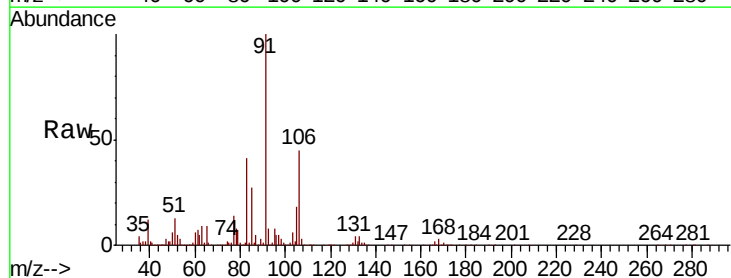
#59
m/p-Xylene
Concen: 8.402 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 26 Mar 2021 1:35

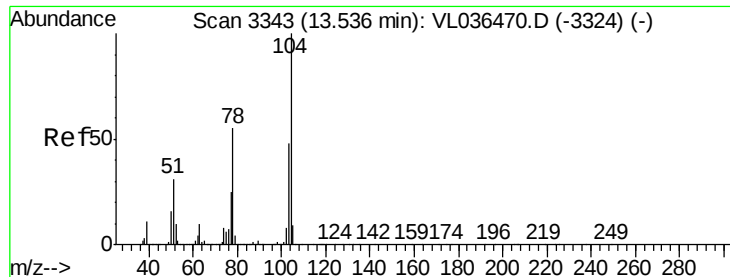
Tot Ion: 91 Resp: 4354300
Ion Ratio Lower Upper
91 100
106 75.3 35.3 52.9#



#60
o-Xylene
Concen: 6.995 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.01 min
Lab File: VL036502.D
Acq: 26 Mar 2021 1:35

Tgt Ion: 91 Resp: 3505357
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.9





#61

Stvrene

Concen: 7.640 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File:

Acq: 26 Mar 2021 1:35

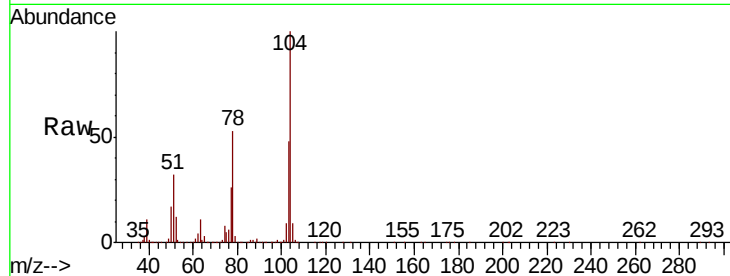
Tot Ion:104 Resp: 1925998

Ion Ratio Lower Upper

104 100

78 55.6 43.8 65.8

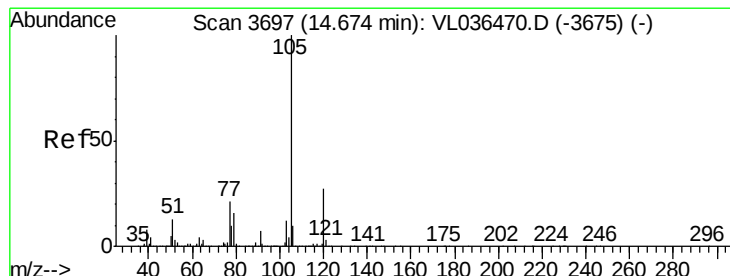
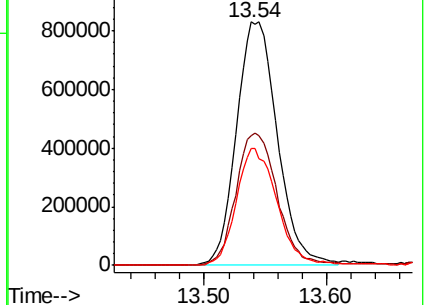
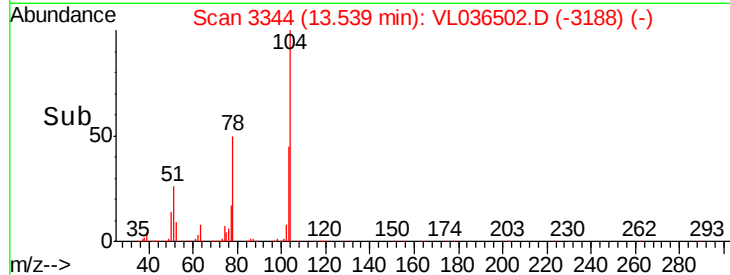
103 48.3 38.3 57.5



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: 7.258 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.01 min

Lab File: VL036502.D

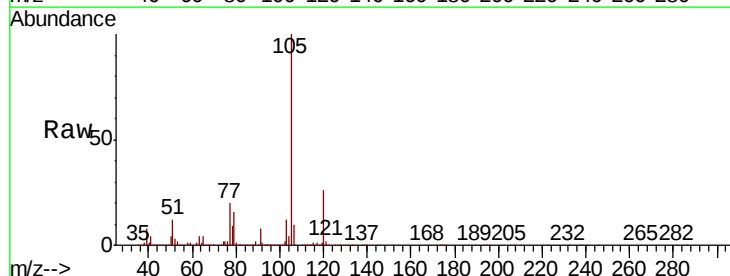
Acq: 26 Mar 2021 1:35

Tgt Ion:105 Resp: 4897921

Ion Ratio Lower Upper

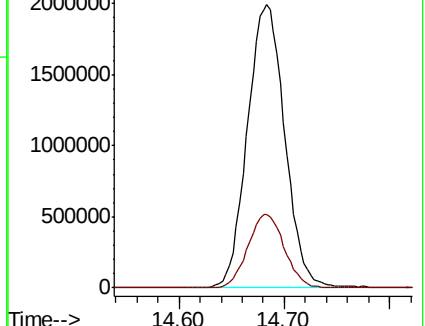
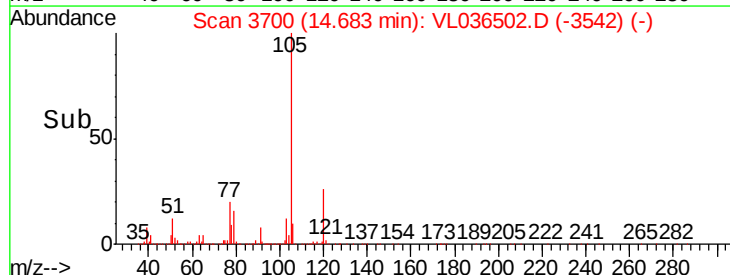
105 100

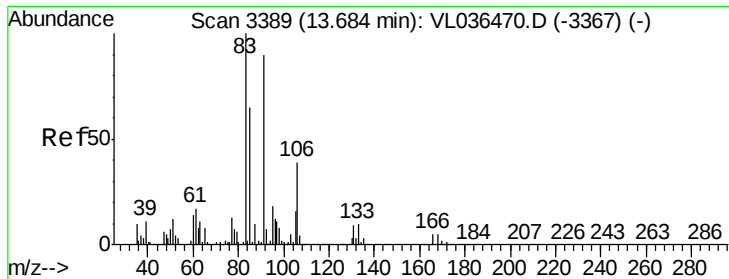
120 25.7 20.6 31.0



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: 6.544 ppbv

RT: 13.69 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Mar 2021 1:35

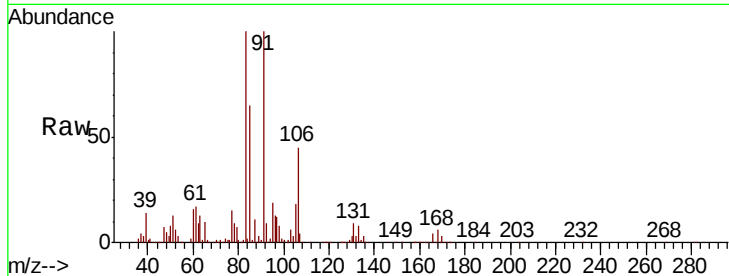
Tot Ion: 83 Resp: 2501513

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

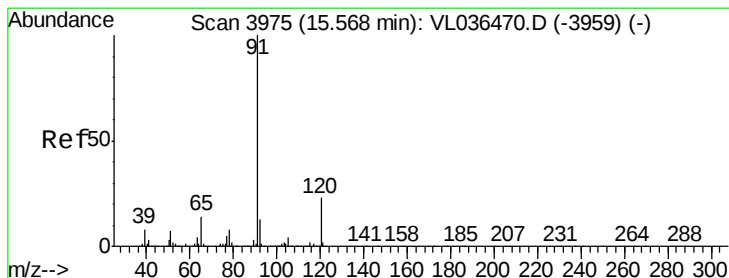
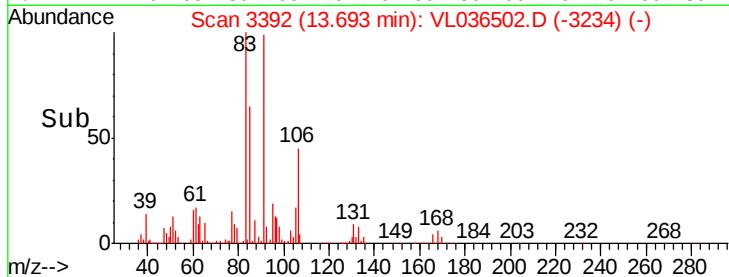
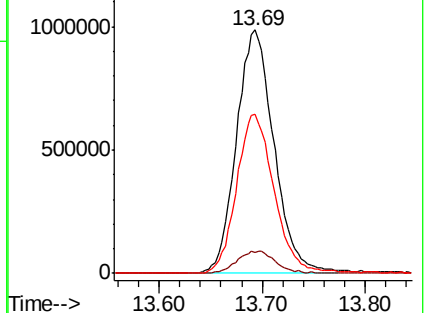
85 66.1 33.1 99.3



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: 7.673 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.01 min

Lab File: VL036502.D

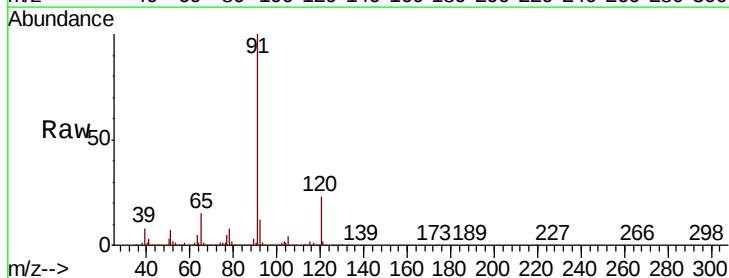
Acq: 26 Mar 2021 1:35

Tgt Ion: 120 Resp: 1265966

Ion Ratio Lower Upper

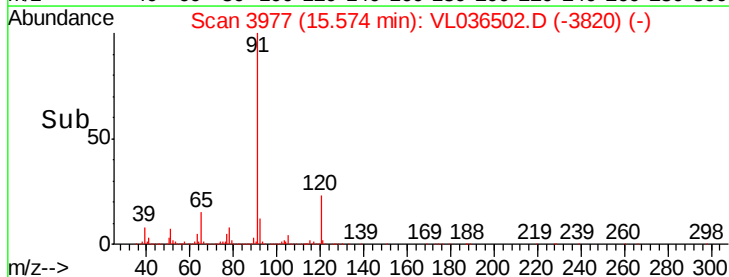
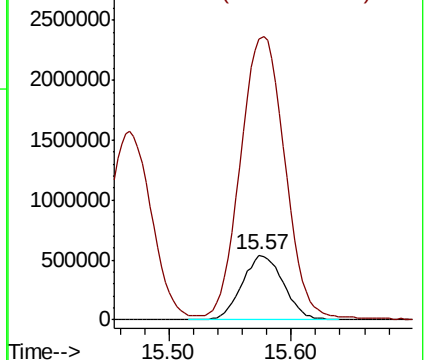
120 100

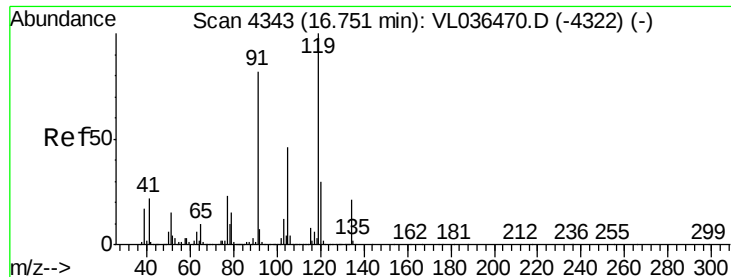
91 474.6 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

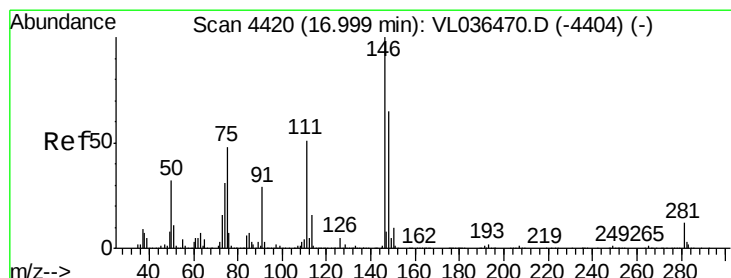
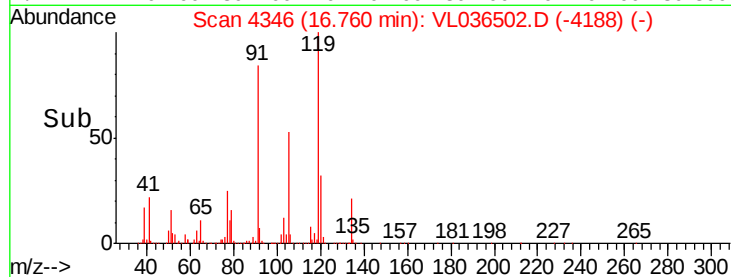
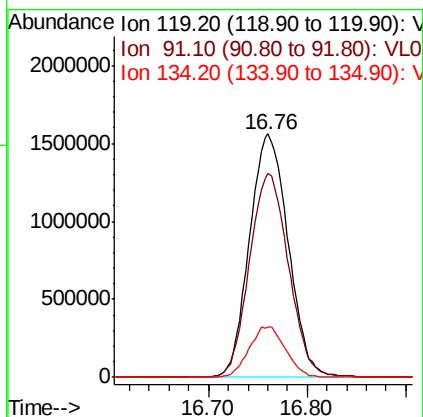
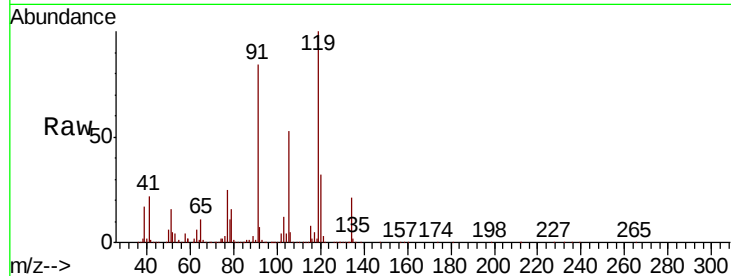
Ion 91.10 (90.80 to 91.80): VL0





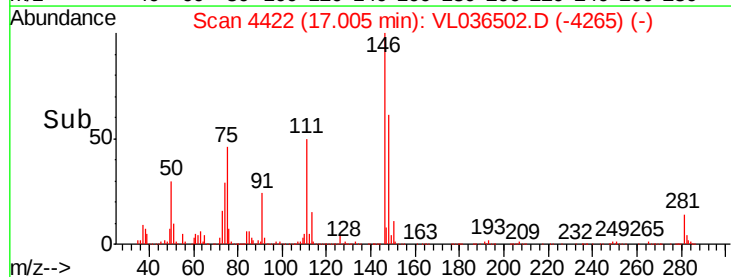
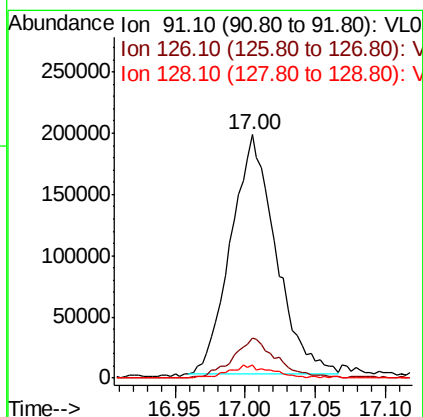
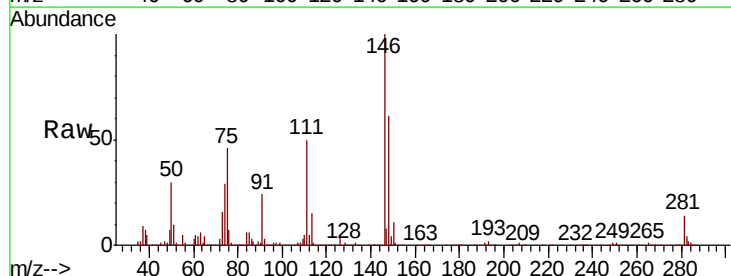
#65
tert-Butylbenzene
Concen: 7.215 ppbv
RT: 16.76 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 26 Mar 2021 1:35

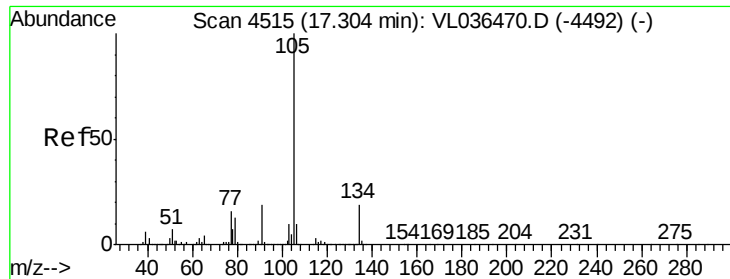
Tot Ion: 119 Resp: 4222103
Ion Ratio Lower Upper
119 100
91 84.7 67.5 101.3
134 19.6 15.8 23.8



#66
Benzyl Chloride
Concen: 6.741 ppbv
RT: 17.00 min Scan# 4422
Delta R.T.: 0.01 min
Lab File: VL036502.D
Acq: 26 Mar 2021 1:35

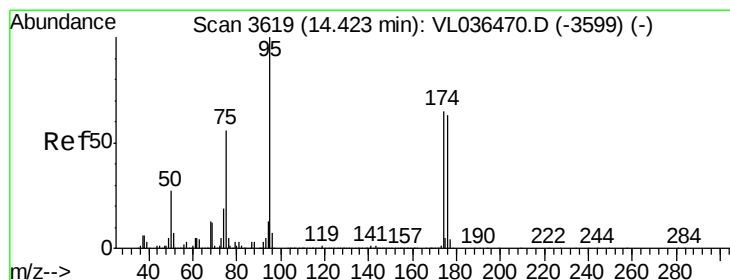
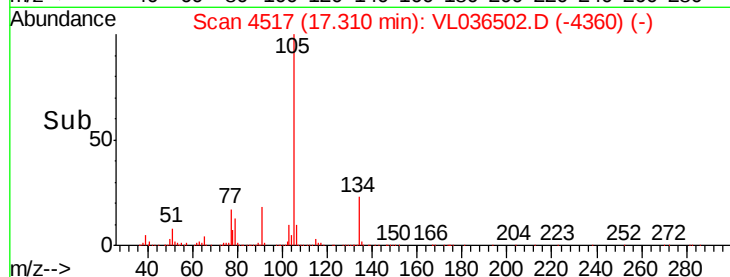
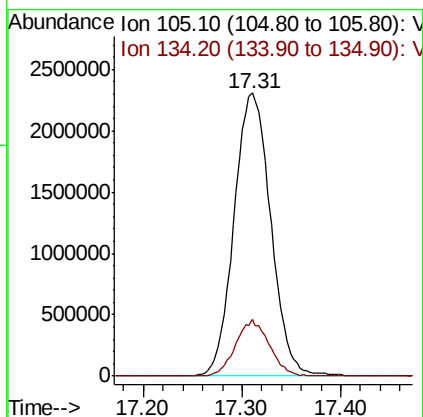
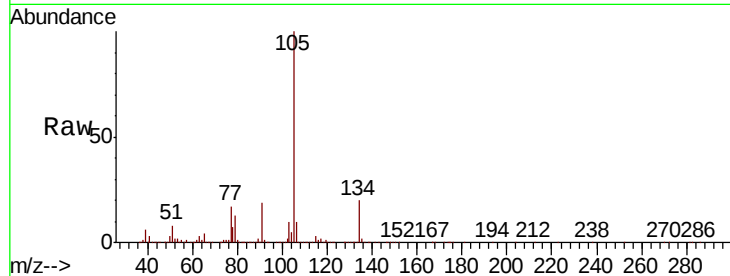
Tgt Ion: 91 Resp: 435967
Ion Ratio Lower Upper
91 100
126 16.5 13.5 20.3
128 5.4 4.2 6.4





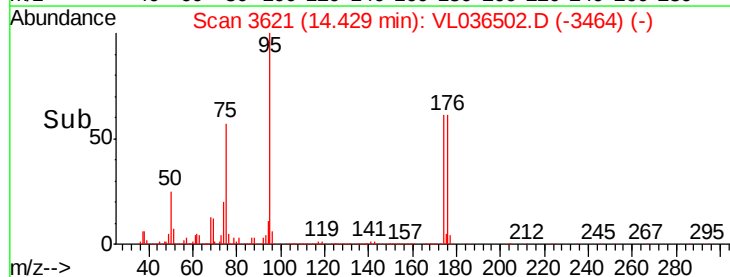
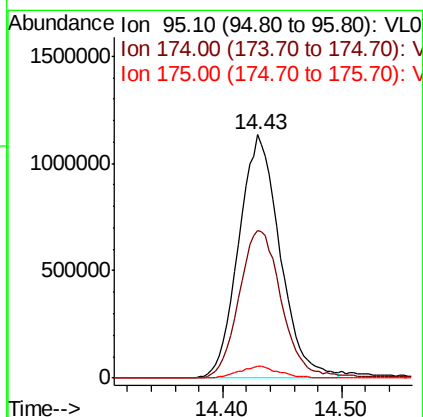
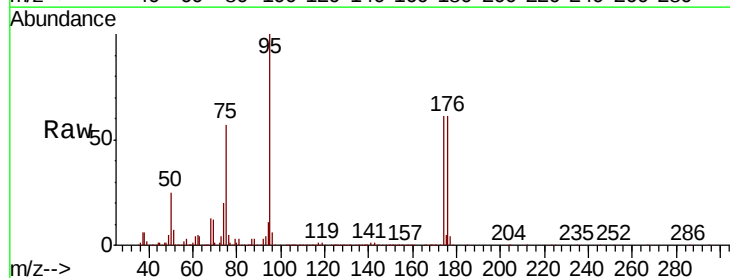
#67
 sec-Butylbenzene
 Concen: 7.199 ppbv
 RT: 17.31 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Mar 2021 1:35

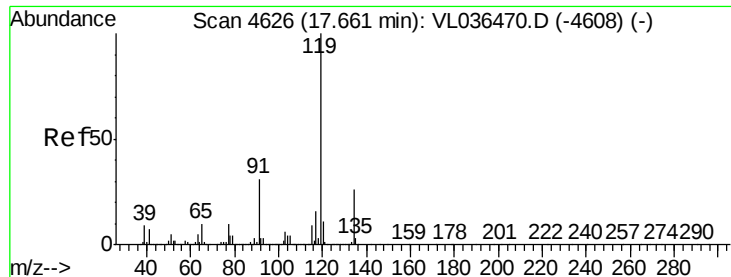
Tot Ion: 105 Resp: 5946517
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.331 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.01 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

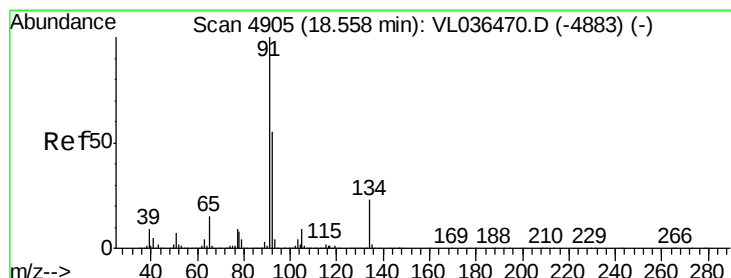
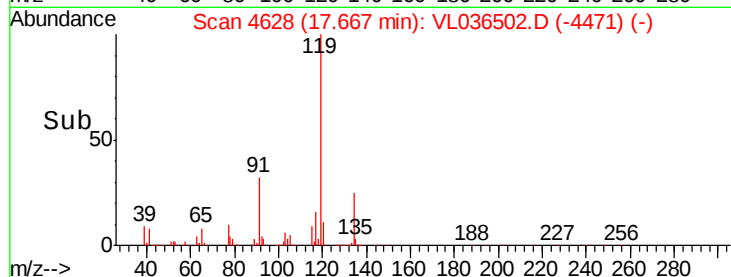
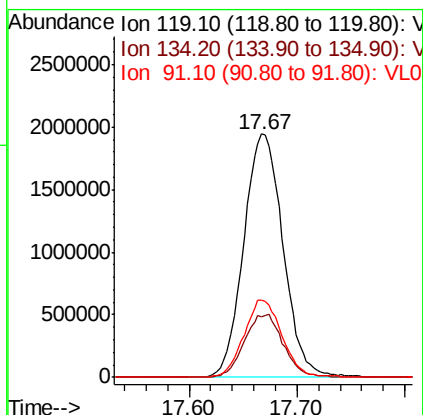
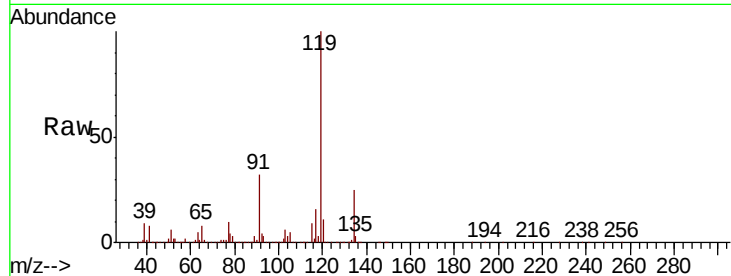
Tgt Ion: 95 Resp: 2711682
 Ion Ratio Lower Upper
 95 100
 174 64.4 51.0 76.6
 175 4.9 3.9 5.9





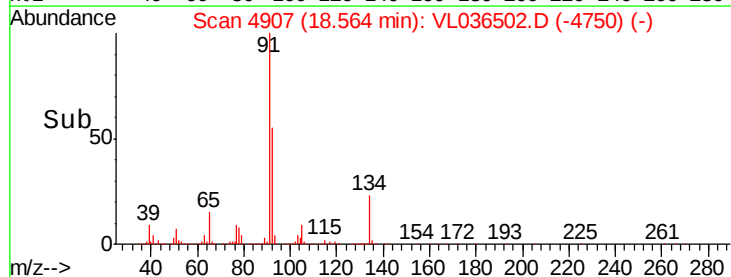
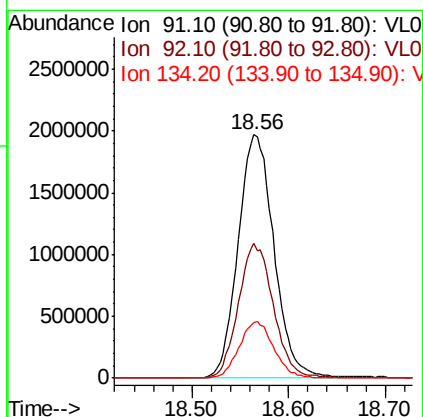
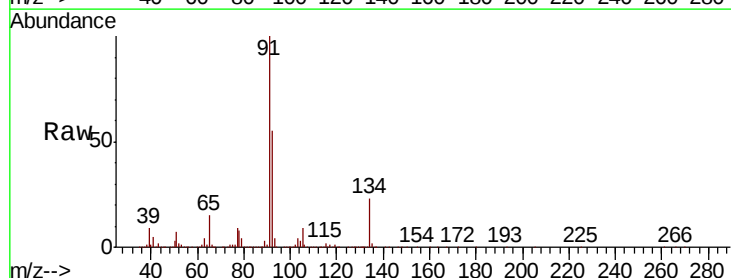
#69
 p-Isopropyltoluene
 Concen: 7.616 ppbv
 RT: 17.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 26 Mar 2021 1:35

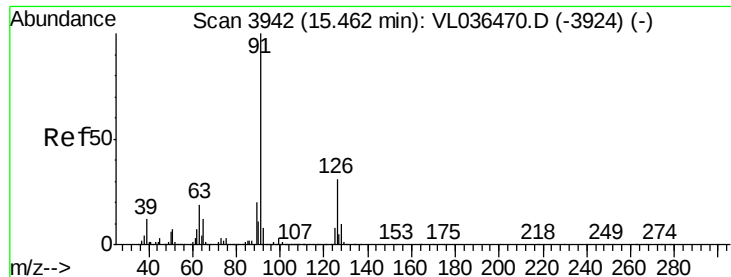
Tot Ion: 119 Resp: 4912362
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 30.9 25.0 37.6



#70
 n-Butylbenzene
 Concen: 7.573 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T.: 0.01 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

Tgt Ion: 91 Resp: 5064912
 Ion Ratio Lower Upper
 91 100
 92 54.6 43.8 65.8
 134 22.6 18.0 27.0





#71

2-Chlorotoluene

Concen: 7.503 ppbv

RT: 15.47

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

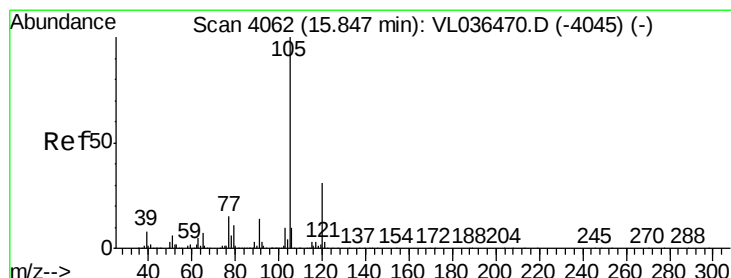
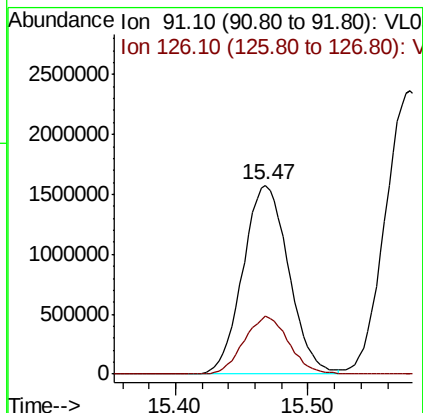
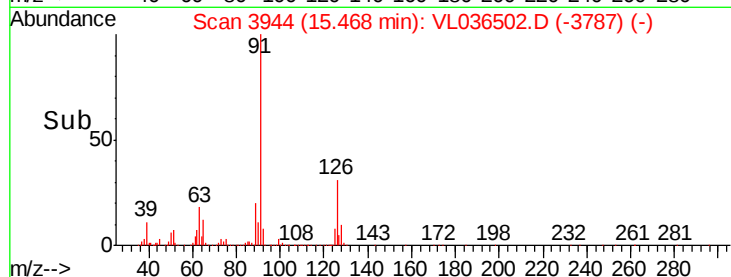
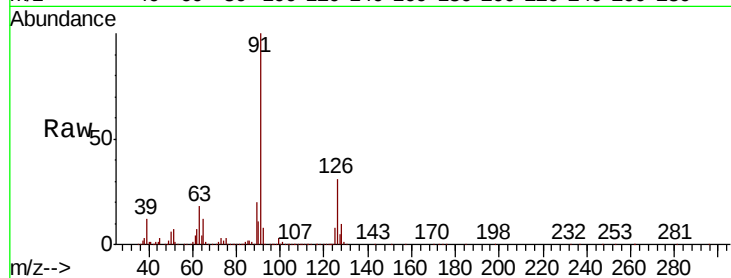
Acq: 26 Mar 2021 1:35

Tot Ion: 91 Resp: 3793748

Ion Ratio Lower Upper

91 100

126 30.1 12.1 48.5



#72

4-Ethyltoluene

Concen: 7.605 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.01 min

Lab File: VL036502.D

Acq: 26 Mar 2021 1:35

Tgt Ion: 105 Resp: 4175859

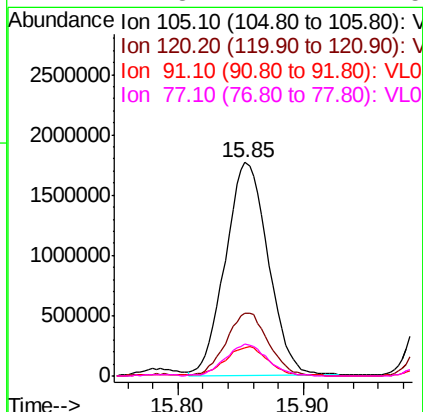
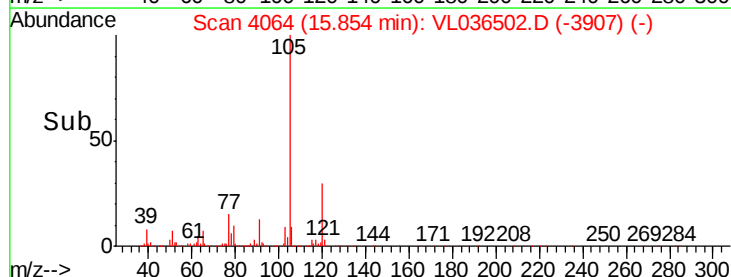
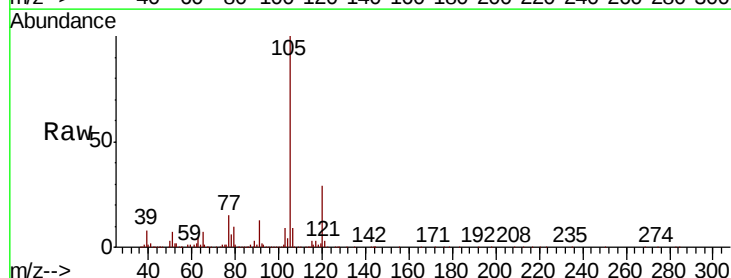
Ion Ratio Lower Upper

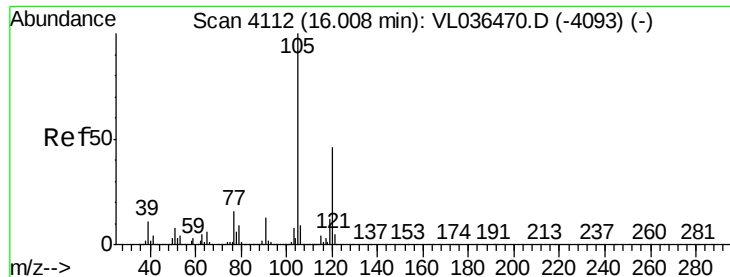
105 100

120 29.6 24.0 36.0

91 13.5 11.0 16.4

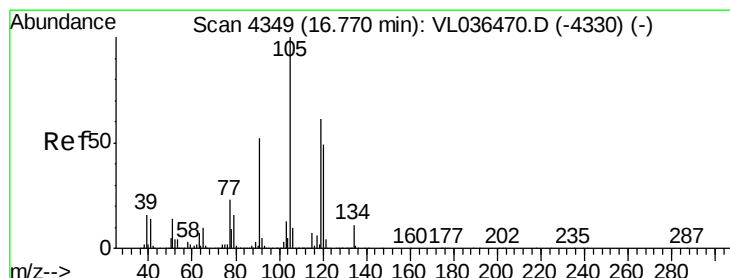
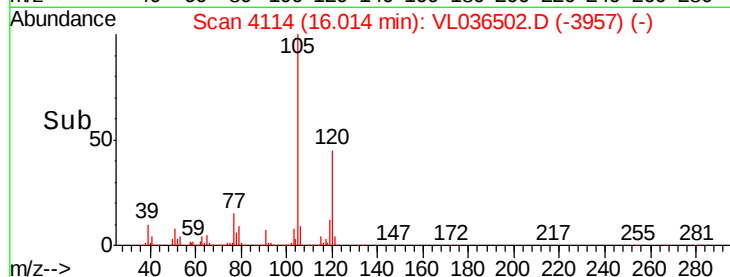
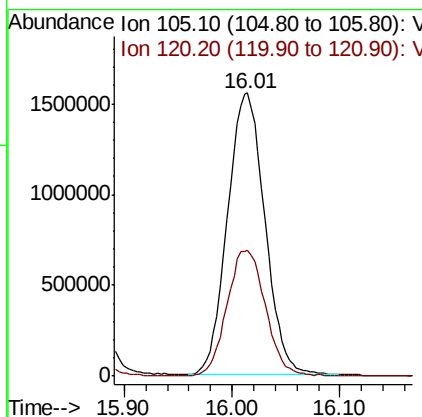
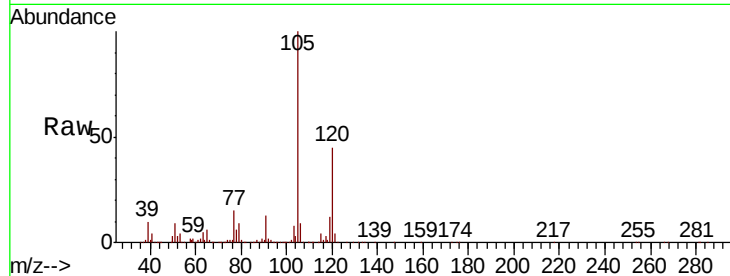
77 14.8 11.7 17.5





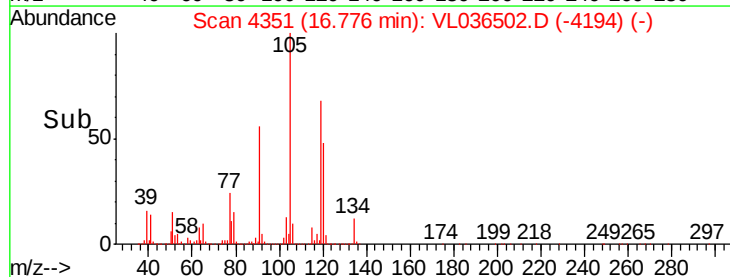
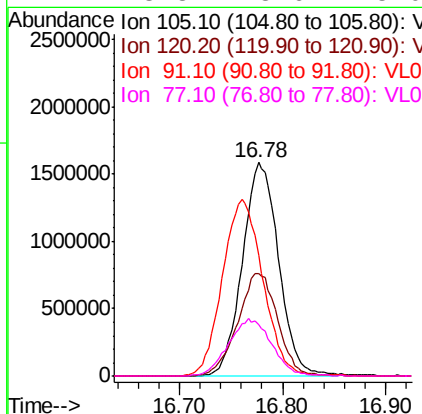
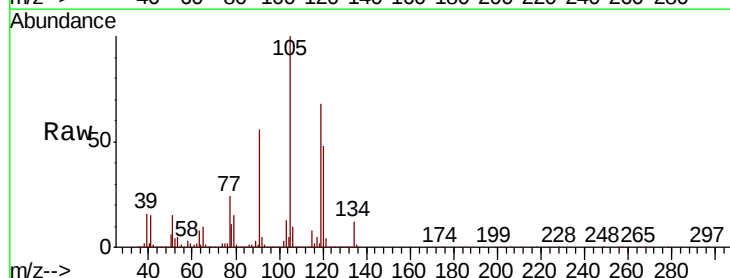
#73
 1,3,5-Trimethylbenzene
 Concen: 7.297 ppbv
 RT: 16.01 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 26 Mar 2021 1:35

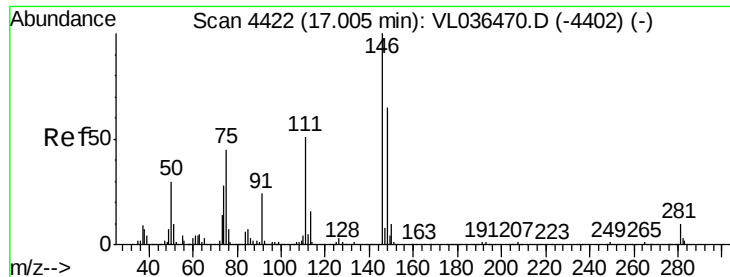
Tot Ion:105 Resp: 3739830
 Ion Ratio Lower Upper
 105 100
 120 44.5 36.6 54.8



#74
 1,2,4-Trimethylbenzene
 Concen: 7.049 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T.: 0.01 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

Tgt Ion:105 Resp: 3865664
 Ion Ratio Lower Upper
 105 100
 120 47.7 39.2 58.8
 91 56.0 42.6 64.0
 77 23.8 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 7.254 ppbv

RT: 17.01 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Mar 2021 1:35

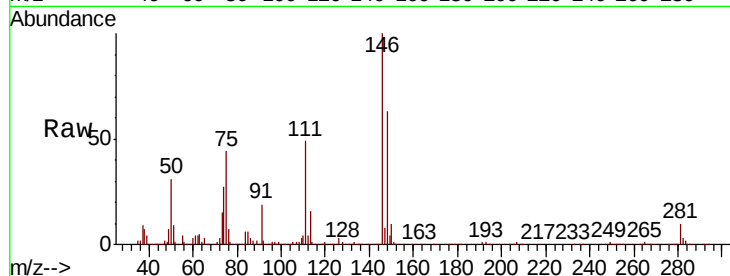
Tot Ion:146 Resp: 2239291

Ion Ratio Lower Upper

146 100

111 48.9 24.5 73.5

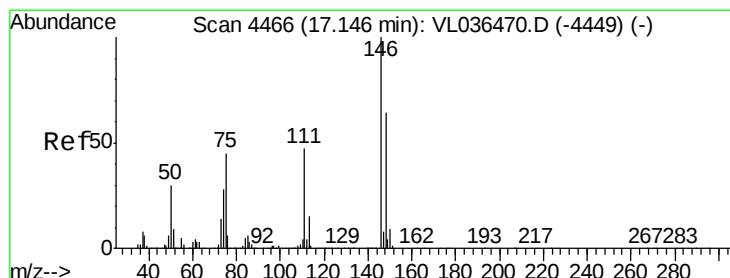
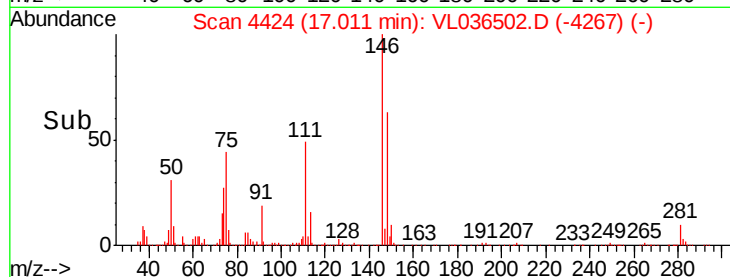
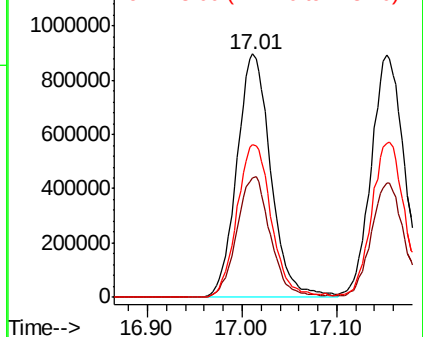
148 63.7 32.3 96.9



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: 7.051 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. 0.01 min

Lab File: VL036502.D

Acq: 26 Mar 2021 1:35

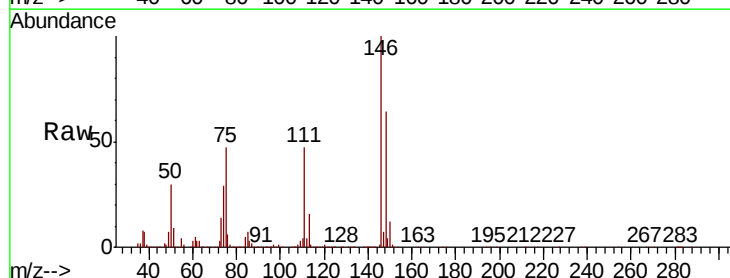
Tgt Ion:146 Resp: 2161132

Ion Ratio Lower Upper

146 100

111 48.4 24.3 72.8

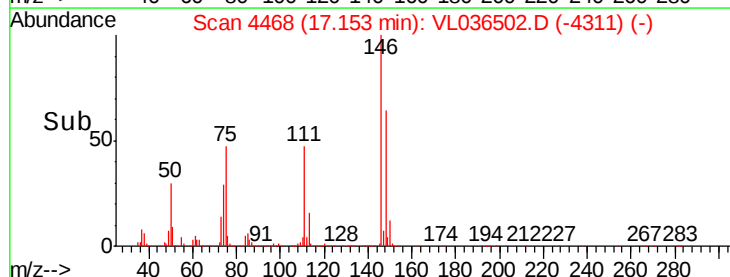
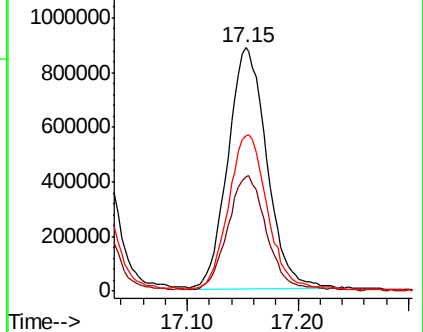
148 66.7 33.0 98.9

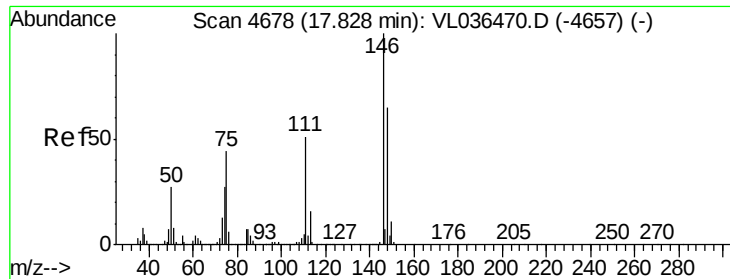


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

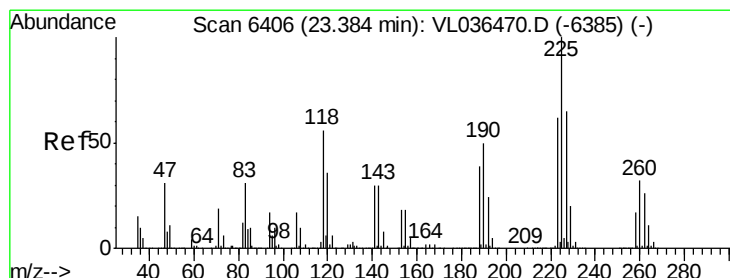
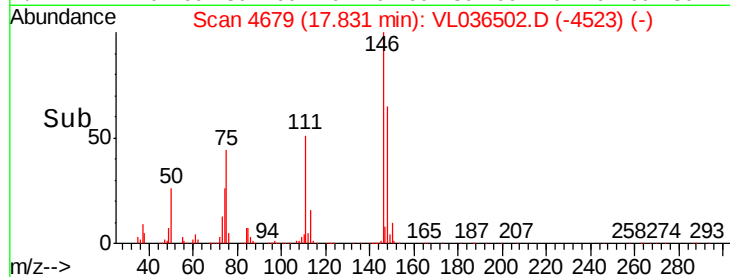
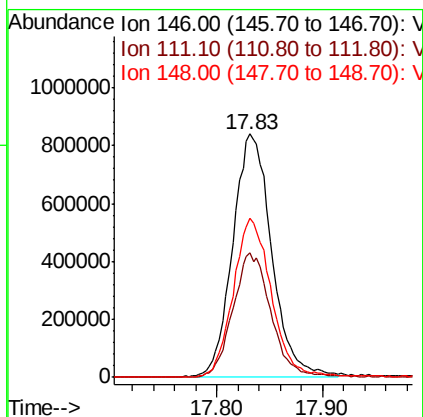
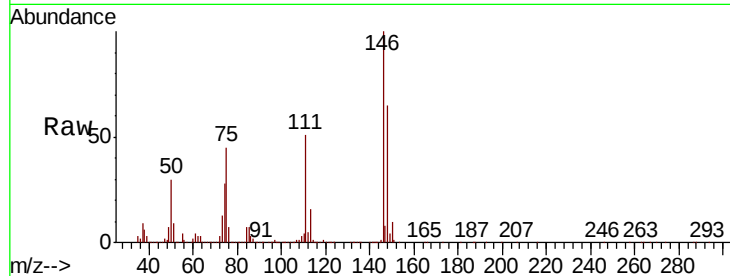
Ion 148.00 (147.70 to 148.70): V





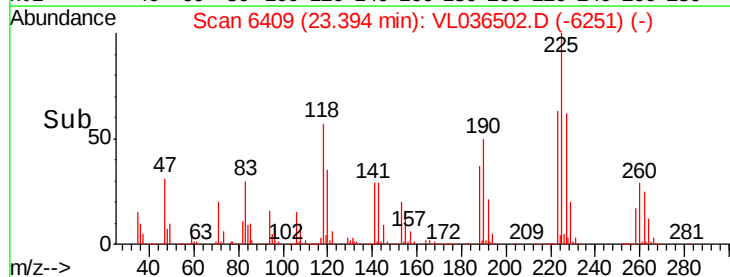
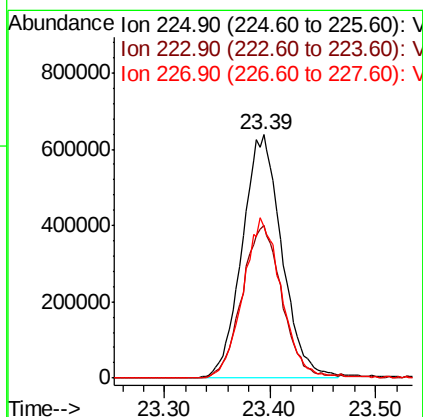
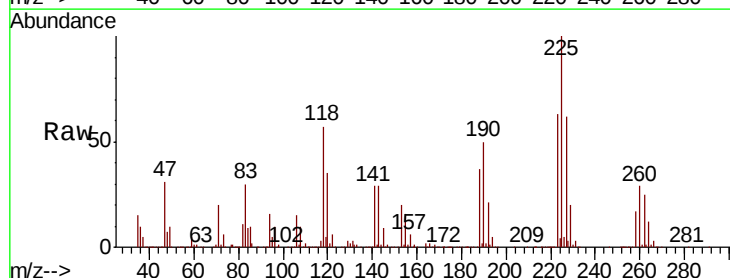
#77
 1,2-Dichlorobenzene
 Concen: 7.383 ppbv
 RT: 17.83 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 26 Mar 2021 1:35

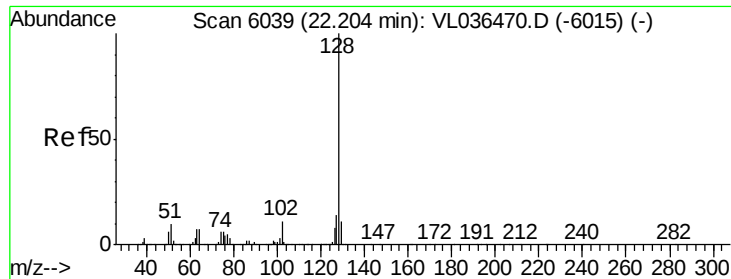
Tot Ion:146 Resp: 2142459
 Ion Ratio Lower Upper
 146 100
 111 50.5 25.5 76.5
 148 64.5 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.435 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T.: 0.01 min
 Lab File: VL036502.D
 Acq: 26 Mar 2021 1:35

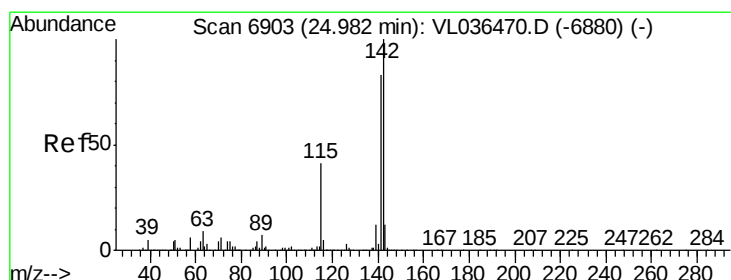
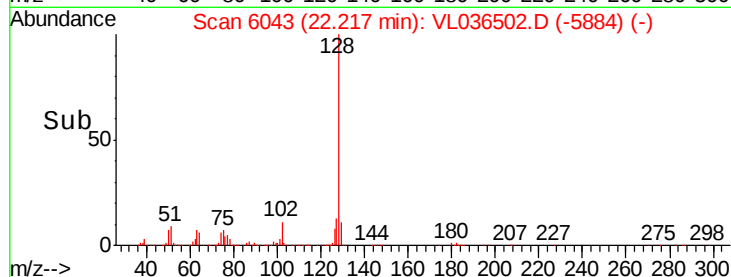
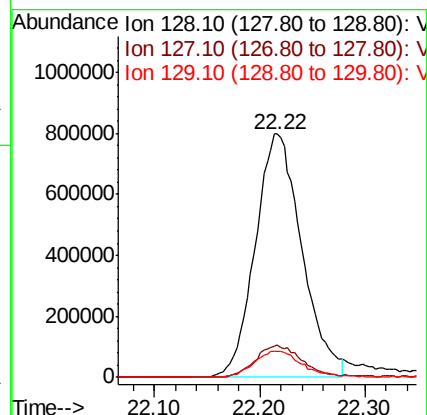
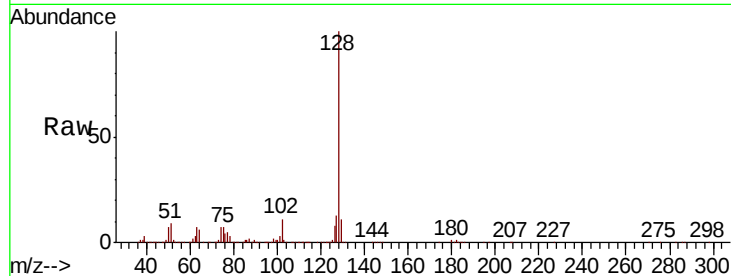
Tgt Ion:225 Resp: 1672219
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.6 75.8
 227 64.4 52.2 78.2





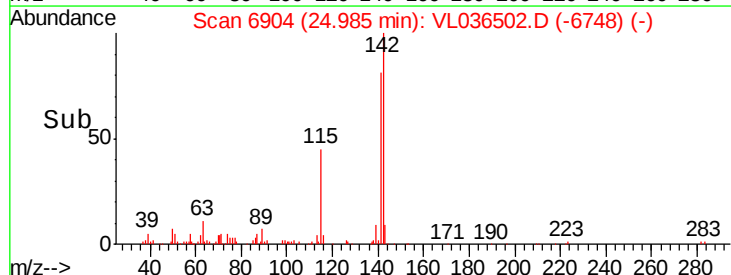
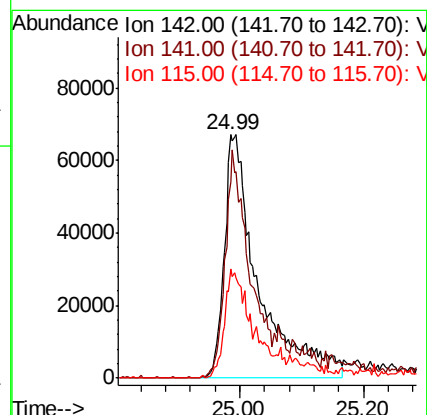
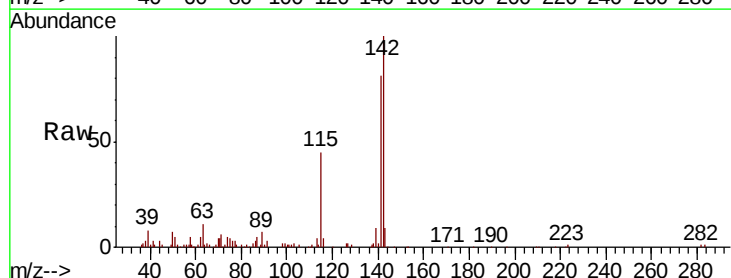
#79
Naphthalene
Concen: 7.655 ppbv
RT: 22.22 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 26 Mar 2021 1:35

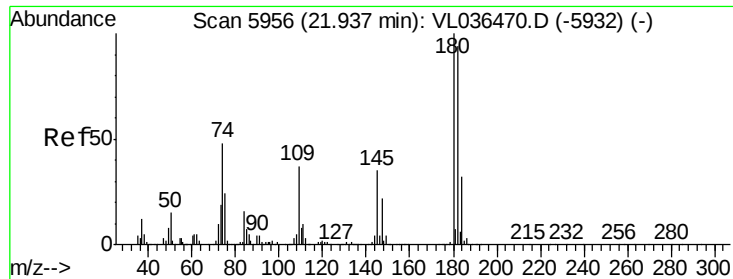
Tot Ion:128 Resp: 2449841
Ion Ratio Lower Upper
128 100
127 13.4 10.9 16.3
129 10.8 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 4.096 ppbv
RT: 24.99 min Scan# 6904
Delta R.T.: 0.00 min
Lab File: VL036502.D
Acq: 26 Mar 2021 1:35

Tgt Ion:142 Resp: 258459
Ion Ratio Lower Upper
142 100
141 80.5 67.8 101.8
115 43.1 34.0 51.0





#81

1,2,4-Trichlorobenzene

Concen: 7.579 ppbv

RT: 21.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Mar 2021 1:35

Tot Ion:180 Resp: 1497587

Ion Ratio Lower Upper

180 100

182 101.1 80.8 121.2

184 32.7 25.0 37.4

