

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036849.D
 Acq On : 27 Apr 2021 6:31
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 28 05:22:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1561281	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4118182	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4534968	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3051450	8.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2222890	9.040	ppbv 100
3) Chlorodifluoromethane	2.98	51	2536475	8.919	ppbv 99
4) Chloromethane	3.13	50	872823	9.338	ppbv 91
5) Vinyl Chloride	3.25	62	863169	9.155	ppbv 99
6) Bromomethane	3.47	94	476275	9.394	ppbv 95
7) Chloroethane	3.55	64	289965	9.359	ppbv 95
8) Dichlorotetrafluoroethane	3.18	85	2024953	9.029	ppbv 98
9) Propene	3.01	41	863227	9.961	ppbv 100
10) Heptane	8.11	43	2163586	9.927	ppbv 98
11) Trichlorofluoromethane	3.94	101	2005036	9.135	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1387342	9.445	ppbv 98
13) Ethanol	3.61	45	32898	2.977	ppbv # 13
14) Bromoethene	3.73	108	610636	10.175	ppbv 97
15) Acetone	3.85	43	1161091	7.890	ppbv 98
16) 1,3-Butadiene	3.32	39	906643	9.635	ppbv 100
17) tert-Butyl alcohol	4.29	59	1162450	9.732	ppbv 98
18) 1,1-Dichloroethene	4.28	96	620366	9.717	ppbv 97
19) Isopropyl Alcohol	3.97	45	660838	9.063	ppbv 99
20) Methylene Chloride	4.34	84	522233	7.421	ppbv 93
21) Allyl Chloride	4.41	41	1105586	10.111	ppbv 100
22) trans-1,2-Dichloroethene	4.88	96	642599	10.030	ppbv 96
23) Vinyl Acetate	5.07	43	1951611	9.750	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1338551	9.420	ppbv 99
25) Ethyl Acetate	5.67	43	3330513	9.265	ppbv 100
26) Hexane	5.68	57	1534626	9.125	ppbv 96
27) Carbon Disulfide	4.54	76	1522878	10.425	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1444905	9.693	ppbv 100
29) Chloroform	5.74	83	2388233	9.109	ppbv 99
30) Cyclohexane	7.12	84	1282971	9.620	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1534754	10.167	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	2437808	9.143	ppbv 100
34) 2-Butanone	5.24	43	1619249	8.976	ppbv 100
35) Carbon Tetrachloride	7.01	117	2524475	9.034	ppbv 98
36) Benzene	6.88	78	3227607	9.302	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1805464	9.189	ppbv 99
38) Trichloroethene	7.83	130	1165203	9.432	ppbv 98
39) 1,2-Dichloropropane	7.60	63	1261517	9.075	ppbv 95
40) 1,4-Dioxane	7.83	88	281617	8.390	ppbv 86
41) Tetrahydrofuran	6.05	42	822446	10.422	ppbv 99
42) Bromodichloromethane	7.78	83	2597837	9.516	ppbv 98
43) Methyl Methacrylate	8.01	69	1173134	10.362	ppbv 100

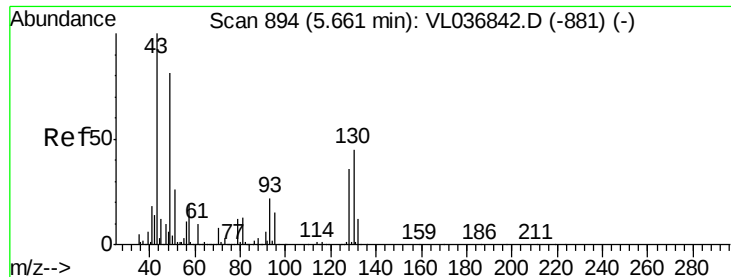
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036849.D
 Acq On : 27 Apr 2021 6:31
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA_L
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Quant Time: Apr 28 05:22:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5394938	9.073	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1317184	10.792	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1667481	10.656	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1282812	8.913	ppbv	97
48) Dibromochloromethane	10.30	129	2135447	10.014	ppbv	98
49) Bromoform	13.03	173	1733275	10.181	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2469087	10.013	ppbv	99
51) 2-Hexanone	10.14	43	1304674	10.608	ppbv #	97
52) Tetrachloroethene	11.22	164	1107308	9.372	ppbv	97
53) Toluene	9.80	91	3601552	9.920	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1845994	9.085	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1415056	7.443	ppbv #	61
57) Chlorobenzene	12.14	112	2628512	7.442	ppbv	98
58) Ethyl Benzene	12.70	91	4755005	8.267	ppbv	99
59) m/p-Xylene	12.99	91	4209437	8.188	ppbv #	37
60) o-Xylene	13.69	91	3763271	7.571	ppbv	100
61) Styrene	13.52	104	2197780	9.415	ppbv	100
62) Isopropylbenzene	14.66	105	5165684	7.638	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2670531	6.702	ppbv	99
64) n-propylbenzene	15.56	120	1357167	8.052	ppbv	97
65) tert-Butylbenzene	16.74	119	4549598	7.608	ppbv	100
66) Benzyl Chloride	16.99	91	420780	7.197	ppbv	98
67) sec-Butylbenzene	17.29	105	6385444	7.690	ppbv	100
69) p-Isopropyltoluene	17.65	119	5270337	7.917	ppbv	100
70) n-Butylbenzene	18.55	91	5307748	7.911	ppbv	100
71) 2-Chlorotoluene	15.45	91	3939565	7.865	ppbv	100
72) 4-Ethyltoluene	15.83	105	4520042	8.472	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	4104284	7.932	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4211249	7.662	ppbv	95
75) 1,3-Dichlorobenzene	16.99	146	2431174	7.483	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2305242	7.250	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2319903	7.310	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1740447	6.454	ppbv	99
79) Naphthalene	22.20	128	2685480	8.724	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	343798	10.128	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1535633	7.712	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 6:31

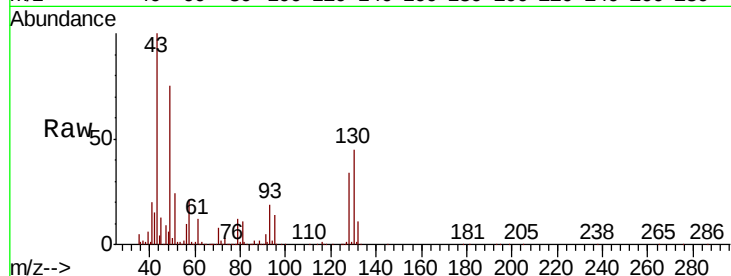
Tot Ion: 49 Resp: 1561281

Ion Ratio Lower Upper

49 100

128 49.0 24.4 73.2

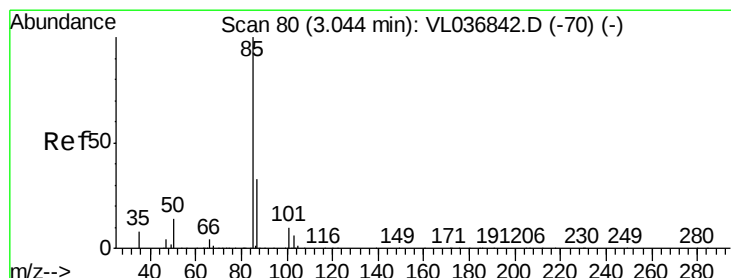
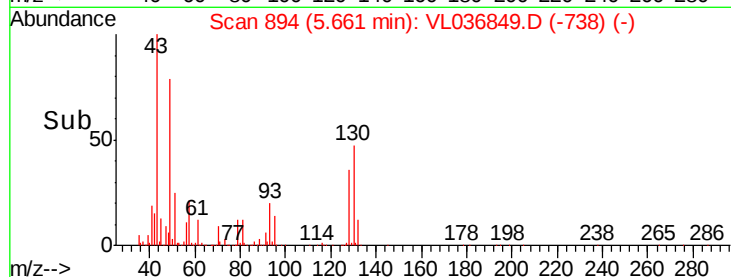
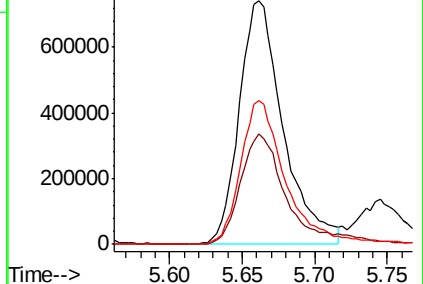
130 61.5 30.3 90.8



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: 9.040 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL036849.D

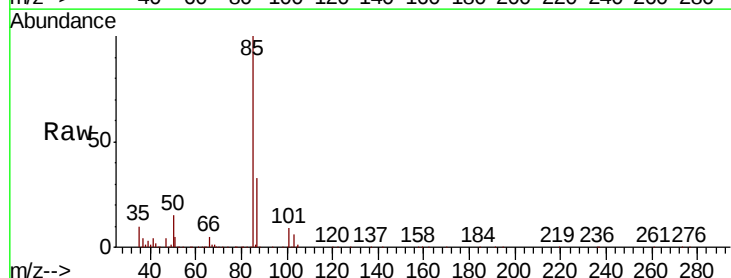
Acq: 27 Apr 2021 6:31

Tgt Ion: 85 Resp: 2222890

Ion Ratio Lower Upper

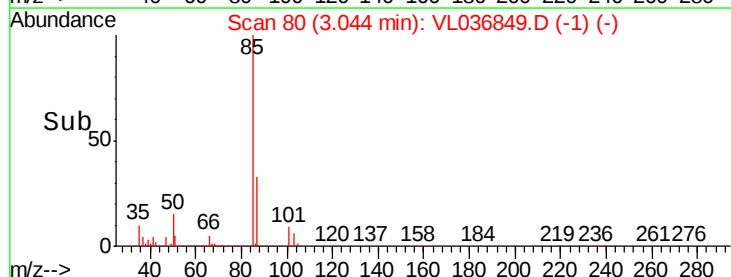
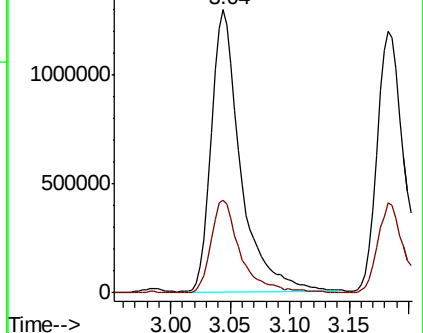
85 100

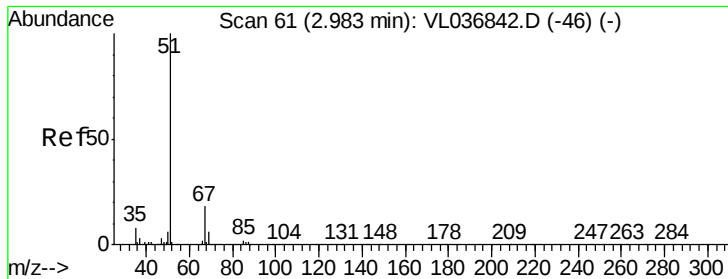
87 32.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.919 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

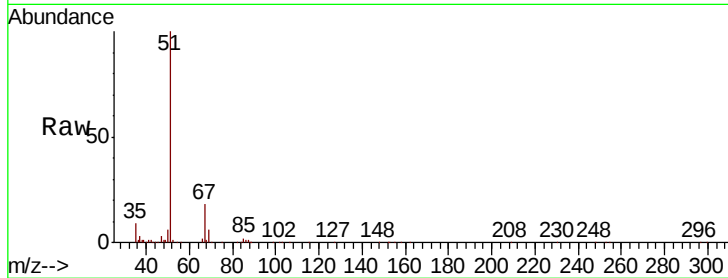
Acq: 27 Apr 2021 6:31

Tot Ion: 51 Resp: 2536475

Ion Ratio Lower Upper

51 100

67 17.9 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

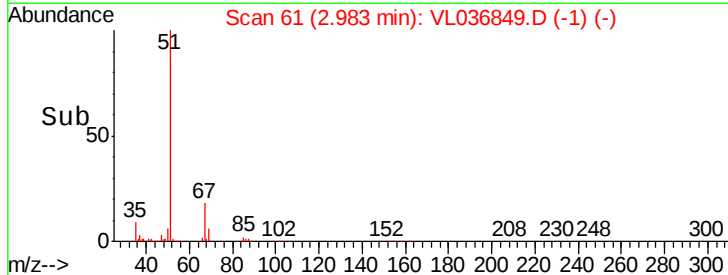
1500000

1000000

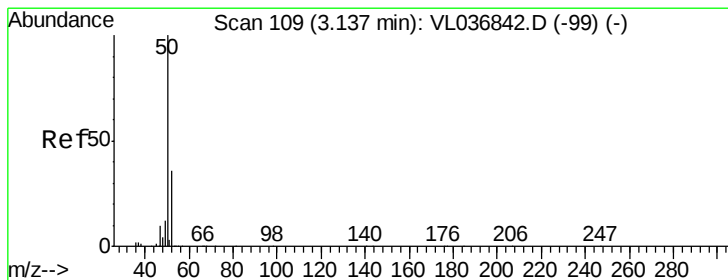
500000

0

2.80 2.90 3.00 3.10



Time-->



#4

Chloromethane

Concen: 9.338 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL036849.D

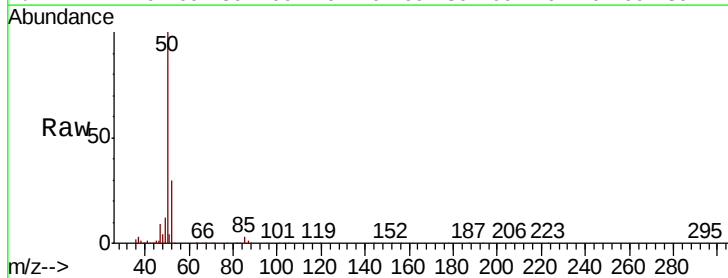
Acq: 27 Apr 2021 6:31

Tgt Ion: 50 Resp: 872823

Ion Ratio Lower Upper

50 100

52 30.2 28.5 42.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

500000

400000

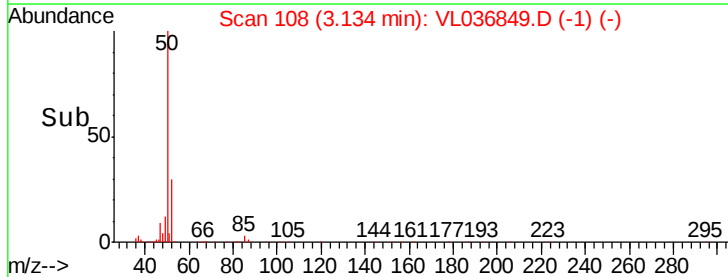
300000

200000

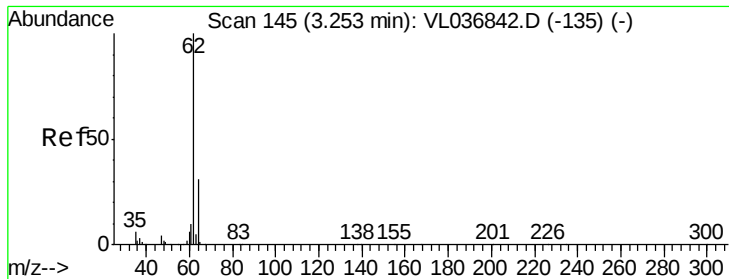
100000

0

3.10 3.15



Time-->



#5

Vinyl Chloride

Concen: 9.155 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

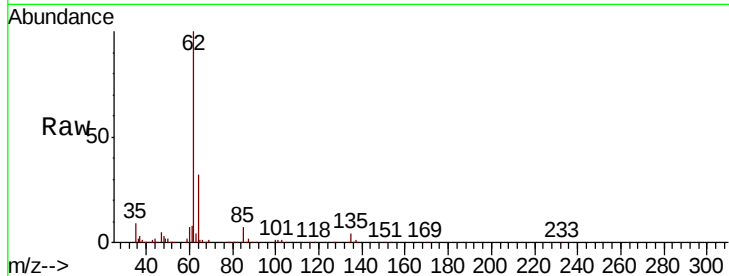
Acq: 27 Apr 2021 6:31

Tot Ion: 62 Resp: 863169

Ion Ratio Lower Upper

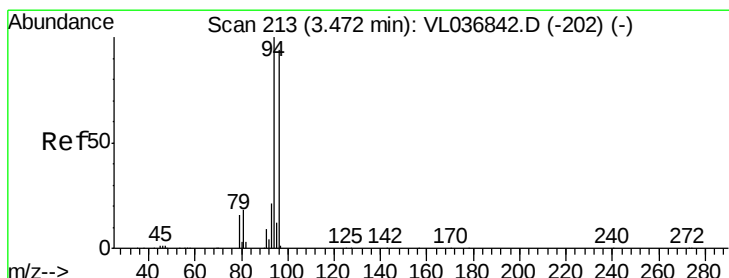
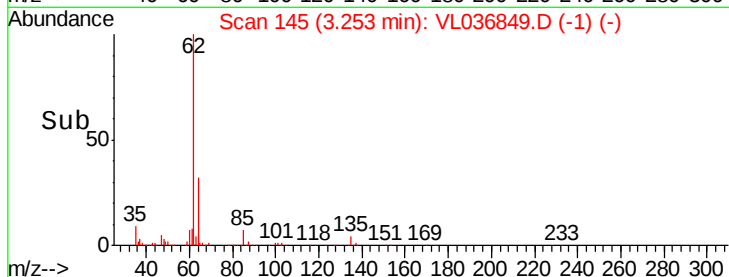
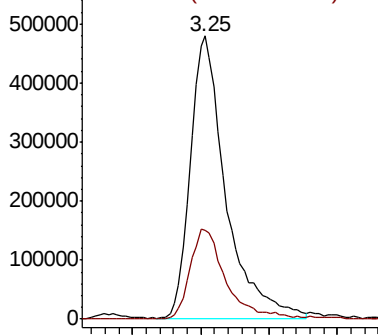
62 100

64 31.6 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.394 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL036849.D

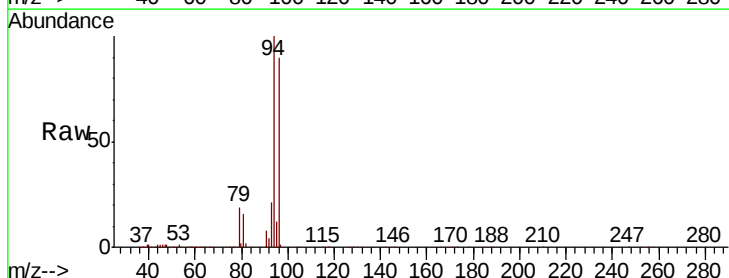
Acq: 27 Apr 2021 6:31

Tgt Ion: 94 Resp: 476275

Ion Ratio Lower Upper

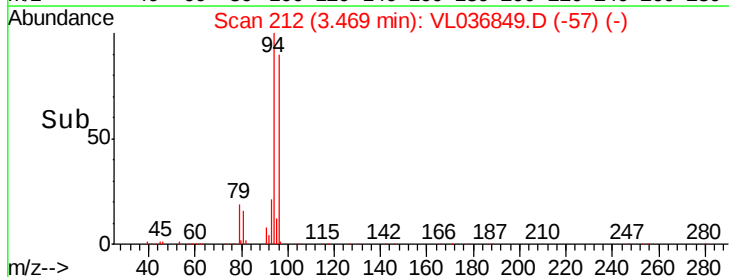
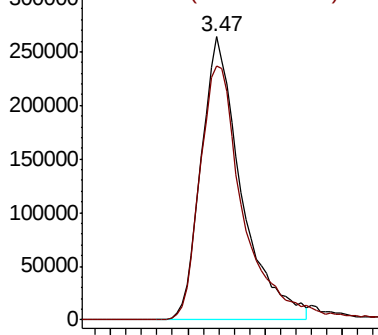
94 100

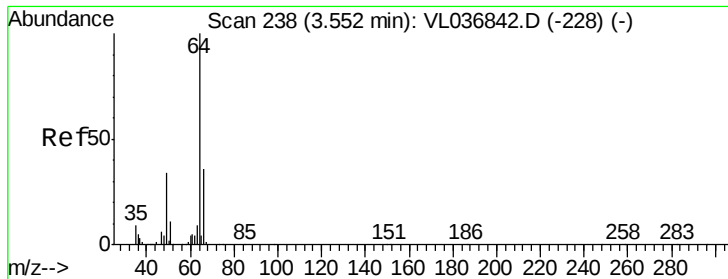
96 89.5 75.4 113.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.359 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

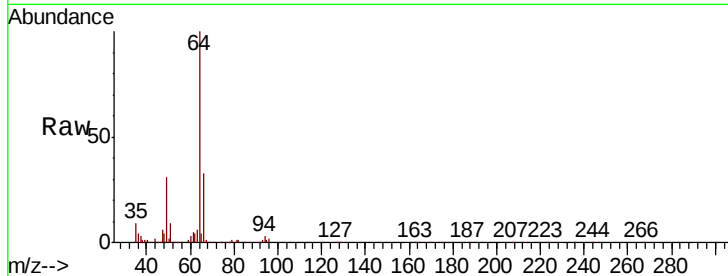
Acq: 27 Apr 2021 6:31

Tot Ion: 64 Resp: 289965

Ion Ratio Lower Upper

64 100

66 33.1 29.0 43.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

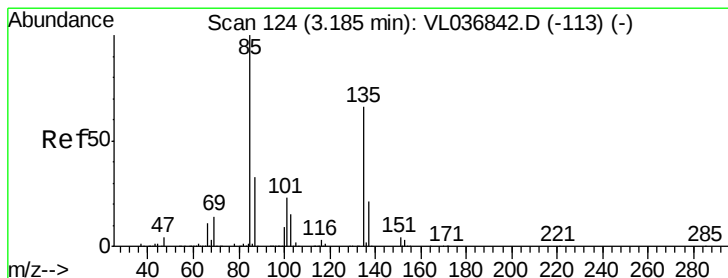
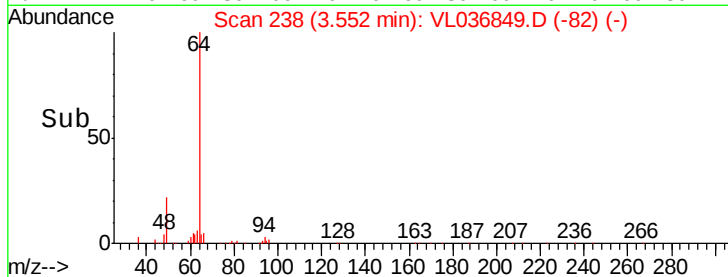
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.029 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL036849.D

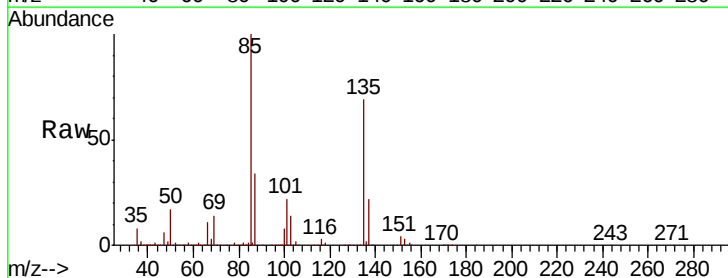
Acq: 27 Apr 2021 6:31

Tgt Ion: 85 Resp: 2024953

Ion Ratio Lower Upper

85 100

135 71.8 56.2 84.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

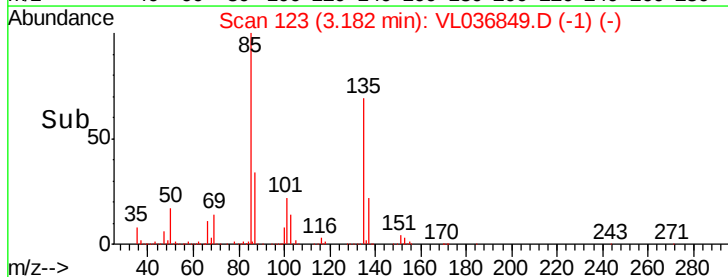
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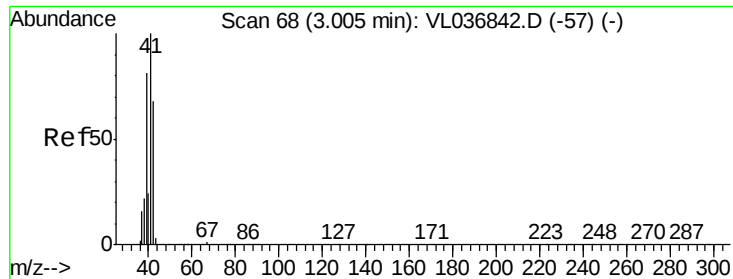
500000

0

3.10 3.15 3.20 3.25 3.30

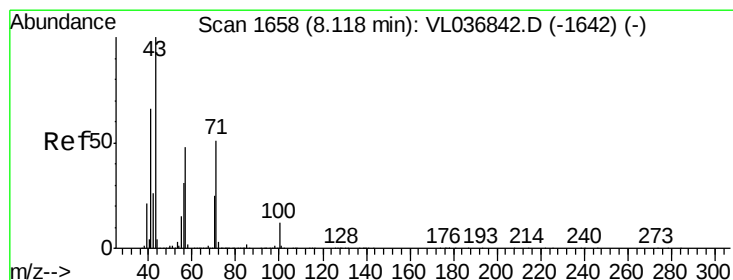
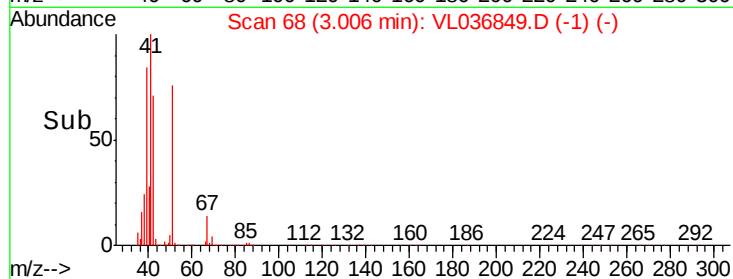
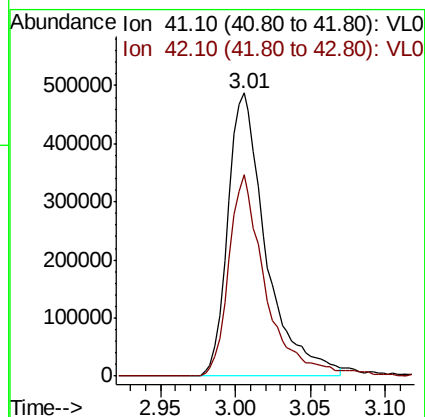
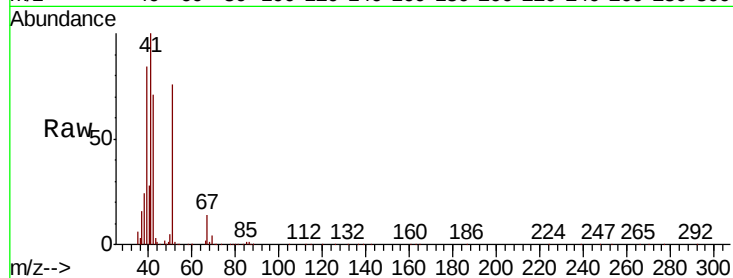
Time-->





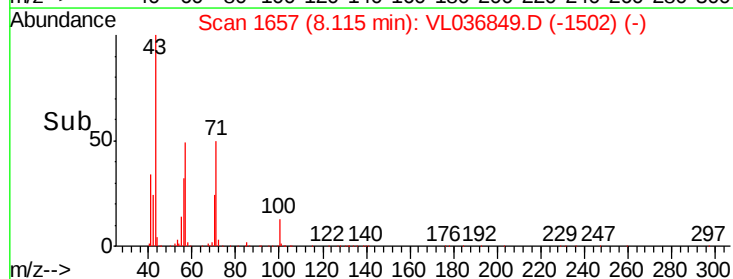
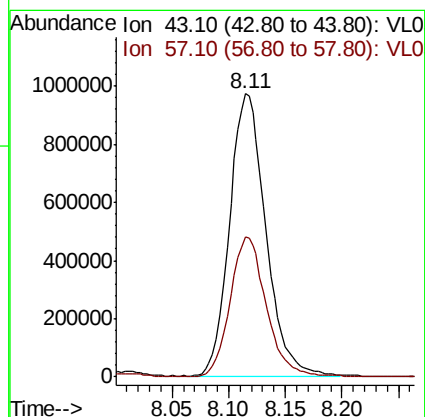
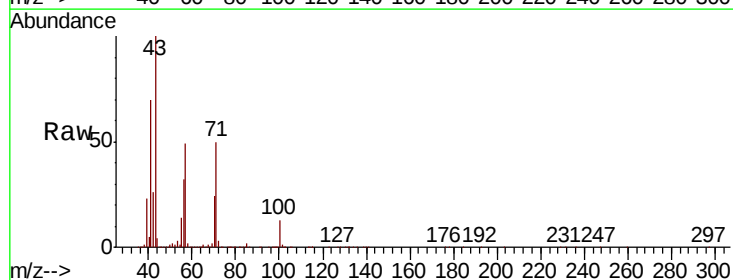
#9
 Propene
 Concen: 9.961 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 6:31

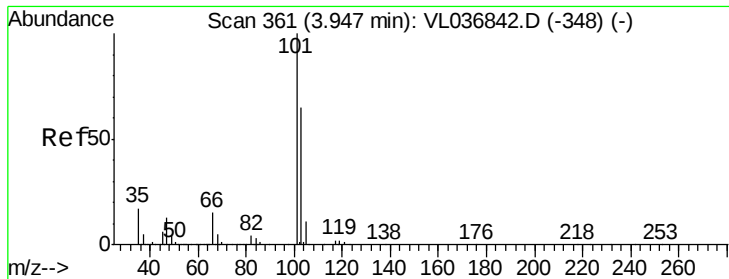
Tot Ion: 41 Resp: 863227
 Ion Ratio Lower Upper
 41 100
 42 69.7 56.0 84.0



#10
 Heptane
 Concen: 9.927 ppbv
 RT: 8.11 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

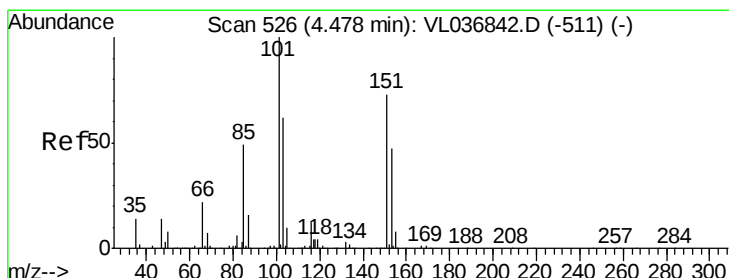
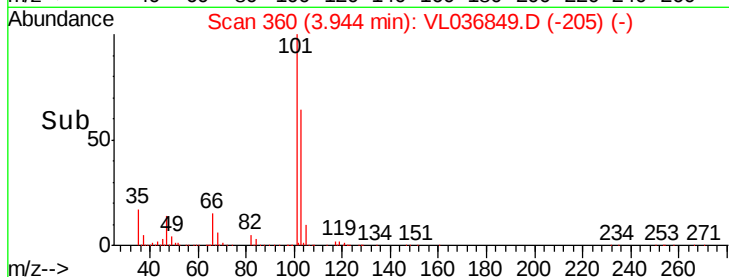
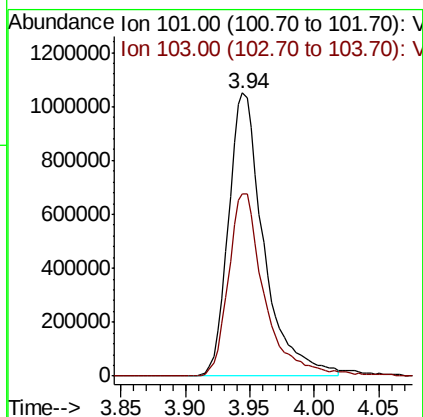
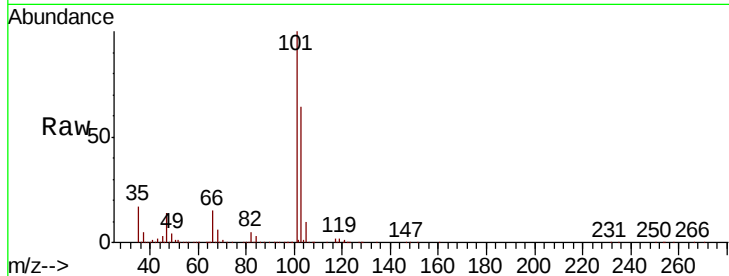
Tgt Ion: 43 Resp: 2163586
 Ion Ratio Lower Upper
 43 100
 57 49.5 38.8 58.2





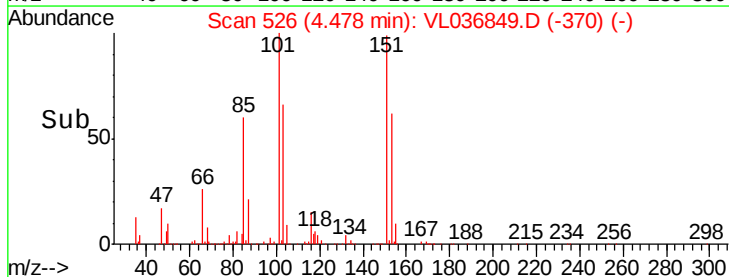
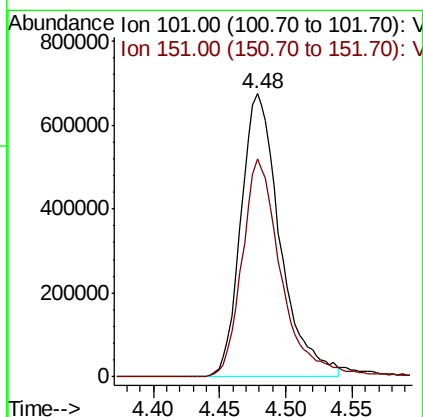
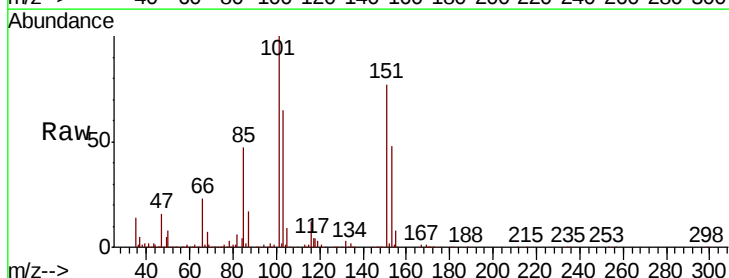
#11
 Trichlorofluoromethane
 Concen: 9.135 ppbv
 RT: 3.94
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 6:31

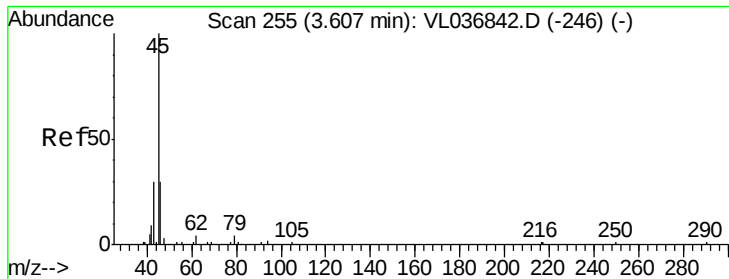
Tot Ion:101 Resp: 2005036
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.445 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. 0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

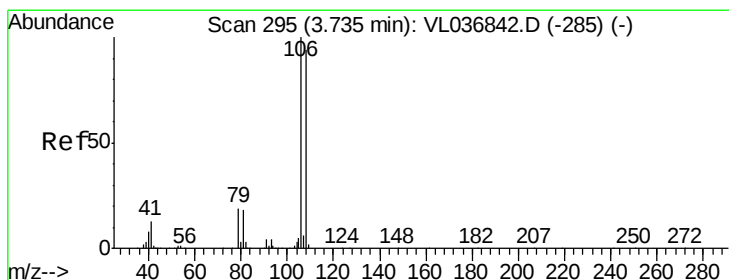
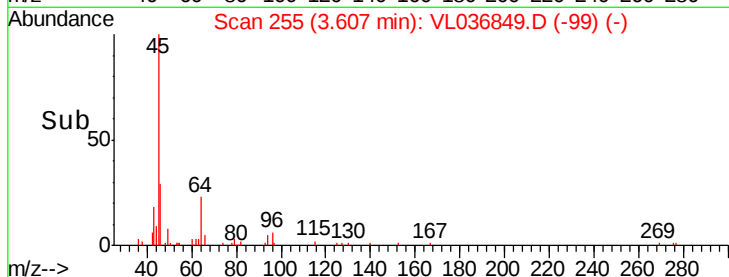
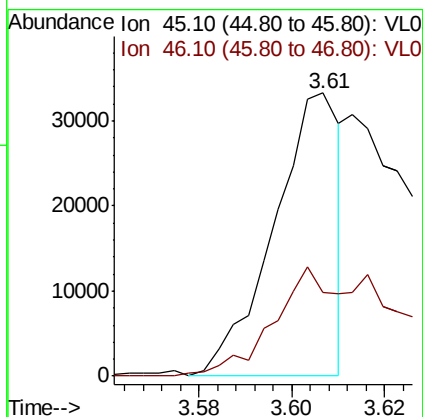
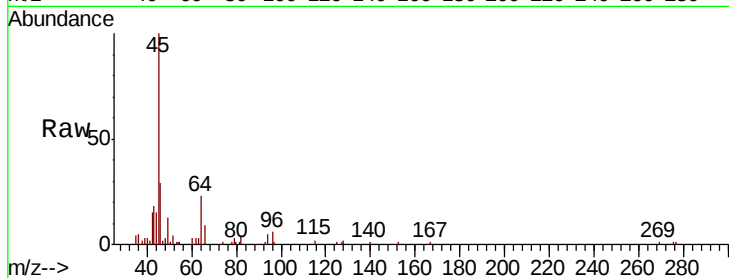
Tgt Ion:101 Resp: 1387342
 Ion Ratio Lower Upper
 101 100
 151 77.8 61.1 91.7





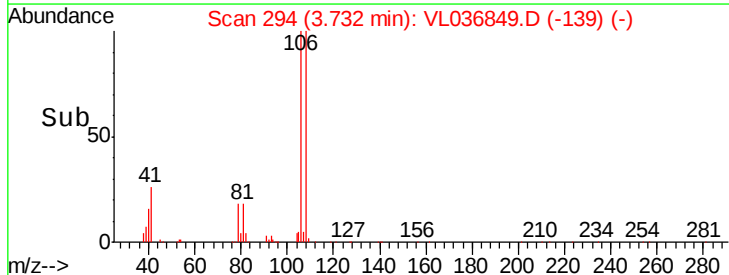
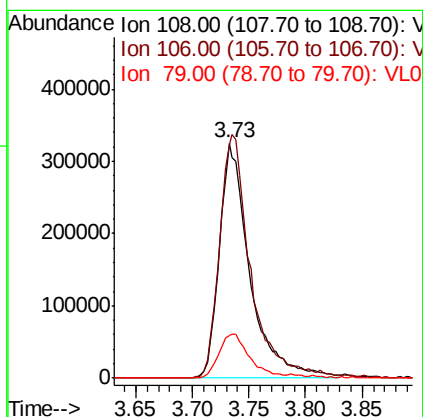
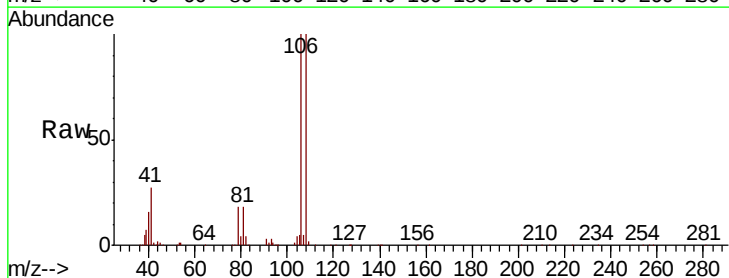
#13
Ethanol
Concen: 2.977 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Apr 2021 6:31

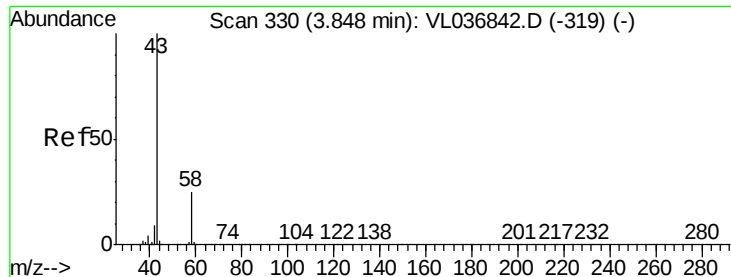
Tot Ion: 45 Resp: 32898
Ion Ratio Lower Upper
45 100
46 97.4 16.8 67.4#



#14
Bromoethene
Concen: 10.175 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL036849.D
Acq: 27 Apr 2021 6:31

Tgt Ion: 108 Resp: 610636
Ion Ratio Lower Upper
108 100
106 107.3 88.5 132.7
79 20.4 17.9 26.9





#15

Acetone

Concen: 7.890 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

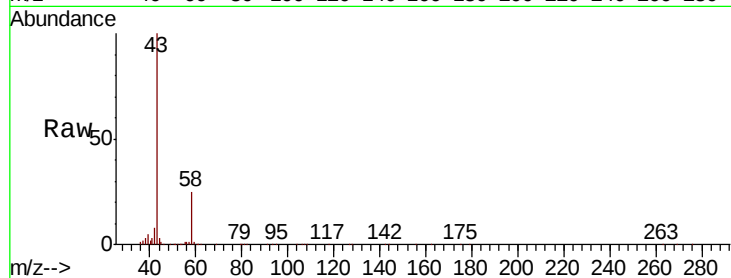
Acq: 27 Apr 2021 6:31

Tot Ion: 43 Resp: 1161091

Ion Ratio Lower Upper

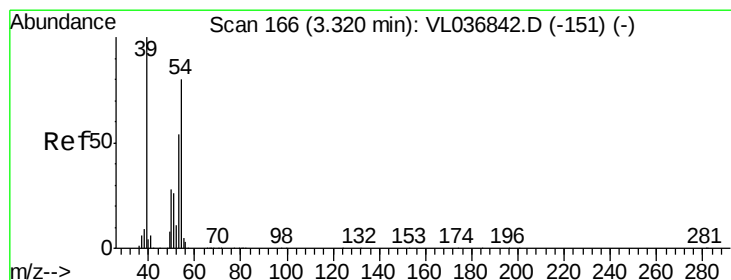
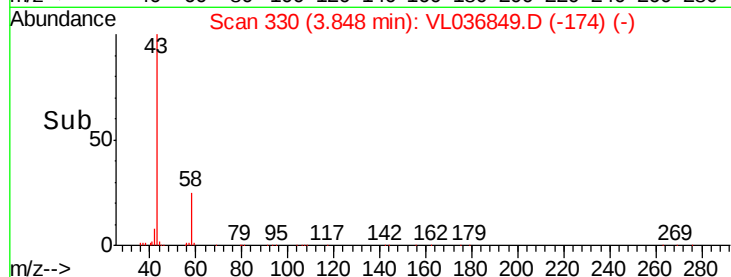
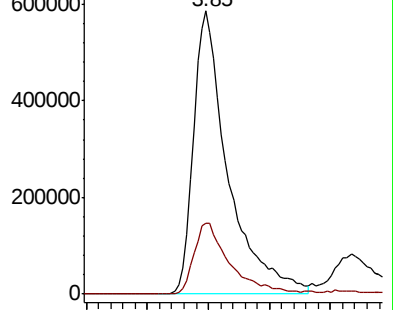
43 100

58 26.2 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.635 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL036849.D

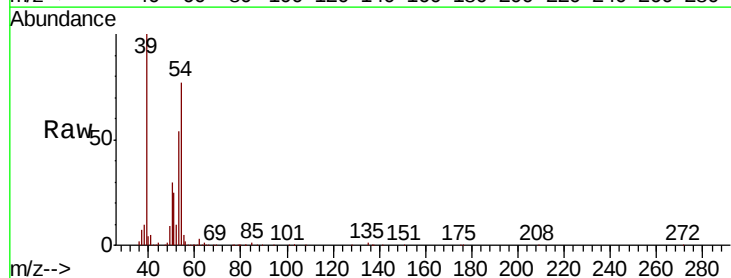
Acq: 27 Apr 2021 6:31

Tgt Ion: 39 Resp: 906643

Ion Ratio Lower Upper

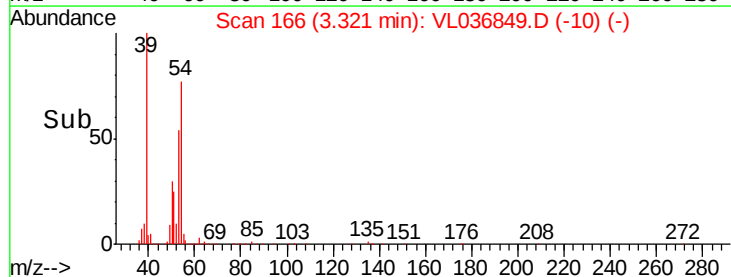
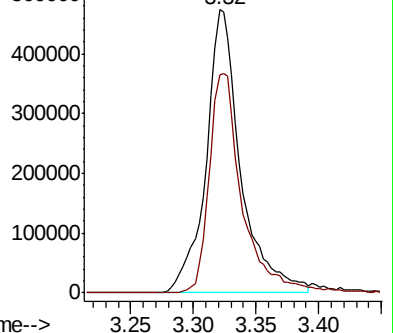
39 100

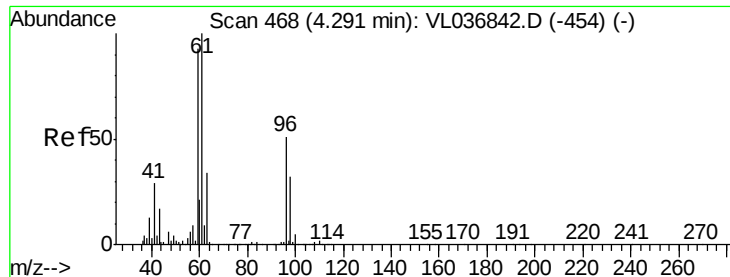
54 74.8 59.6 89.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

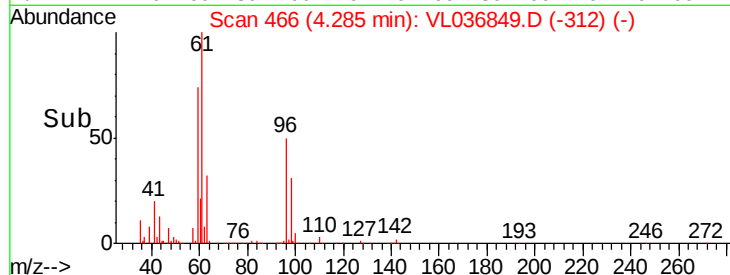
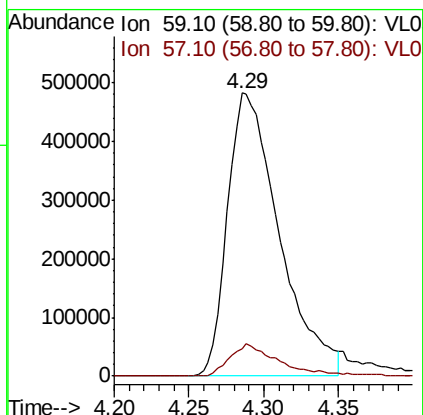
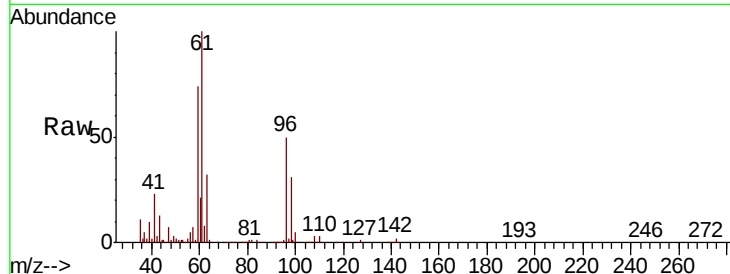
Ion 54.10 (53.80 to 54.80): VL0





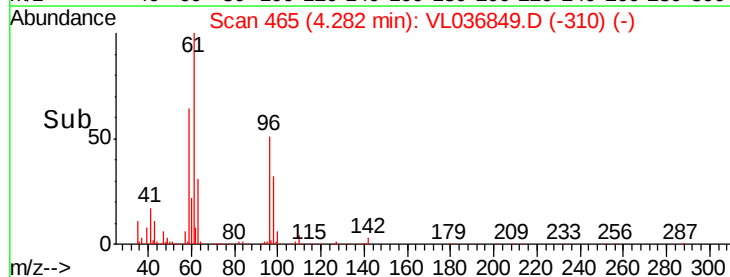
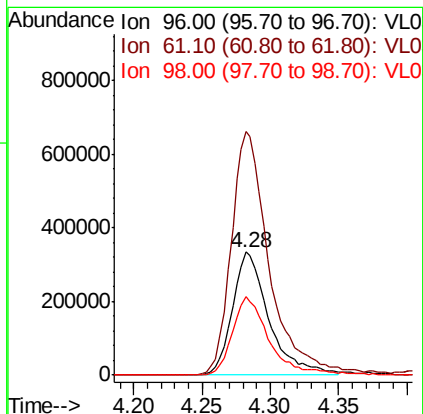
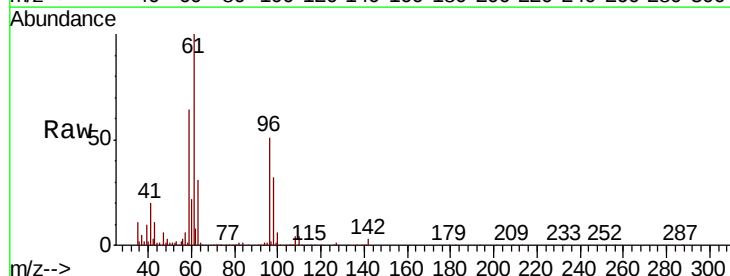
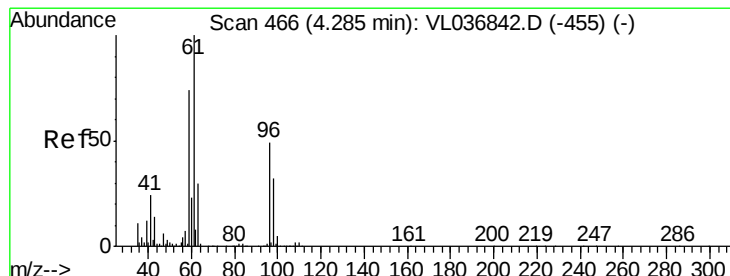
#17
 tert-Butyl alcohol
 Concen: 9.732 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 6:31

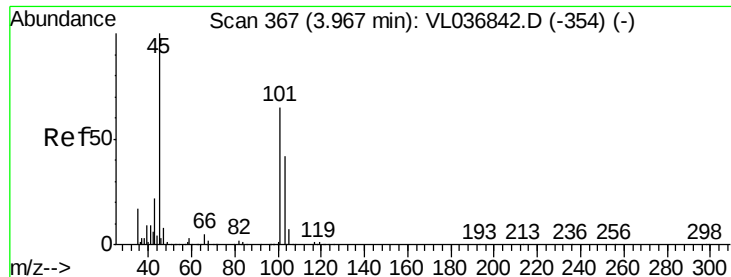
Tot Ion: 59 Resp: 1162450
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.3 12.5



#18
 1,1-Dichloroethene
 Concen: 9.717 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

Tgt Ion: 96 Resp: 620366
 Ion Ratio Lower Upper
 96 100
 61 197.5 162.2 243.2
 98 63.8 51.8 77.6





#19

Isopropyl Alcohol

Concen: 9.063 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

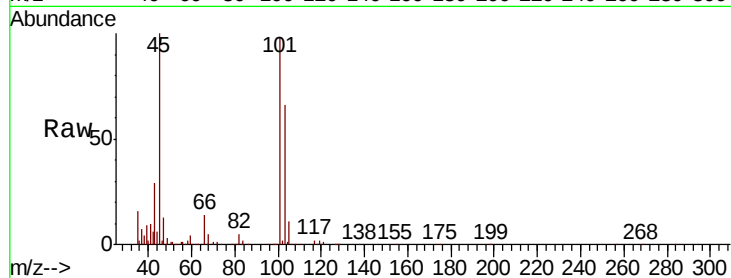
Acq: 27 Apr 2021 6:31

Tot Ion: 45 Resp: 660838

Ion Ratio Lower Upper

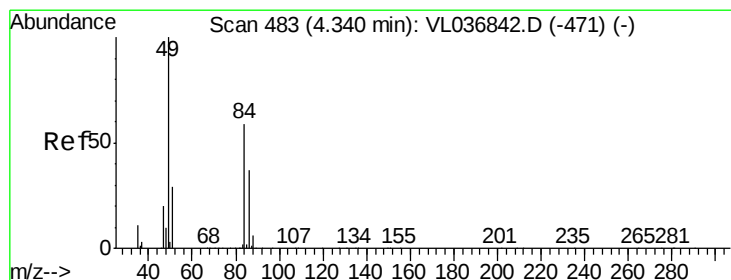
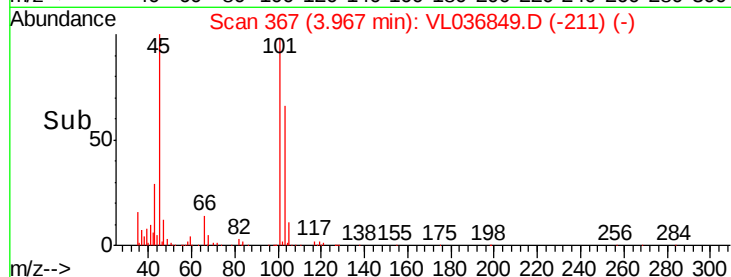
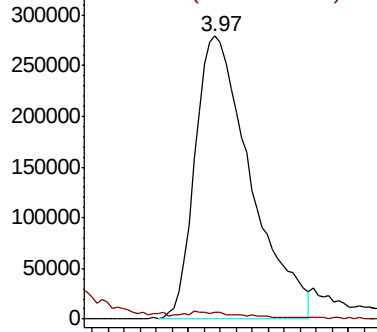
45 100

58 3.2 2.8 4.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 7.421 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

Tgt Ion: 84 Resp: 522233

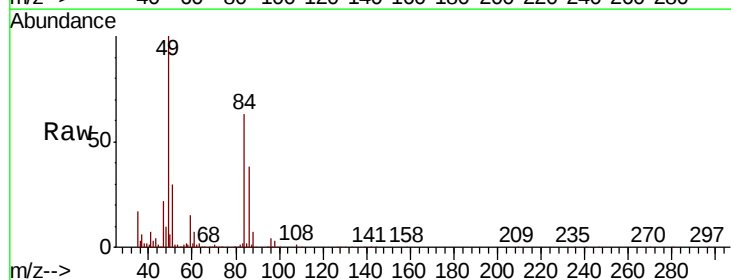
Ion Ratio Lower Upper

84 100

49 156.4 135.4 203.0

51 46.9 39.3 58.9

86 60.3 50.2 75.2

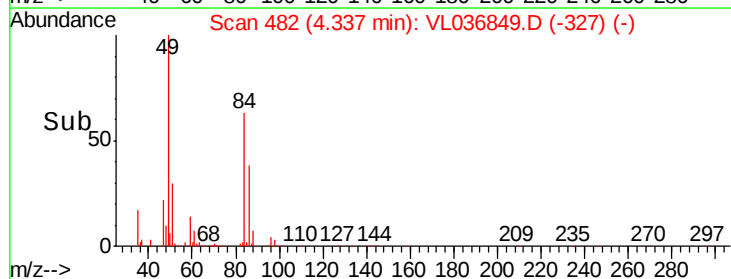
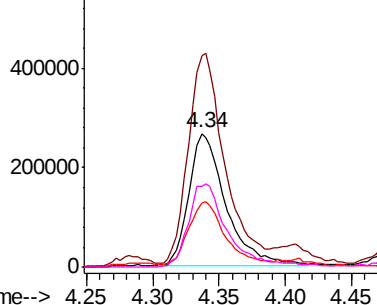


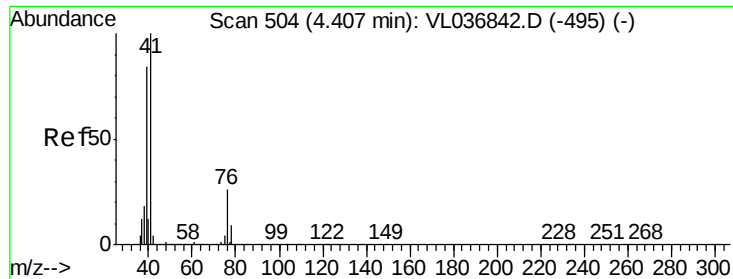
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

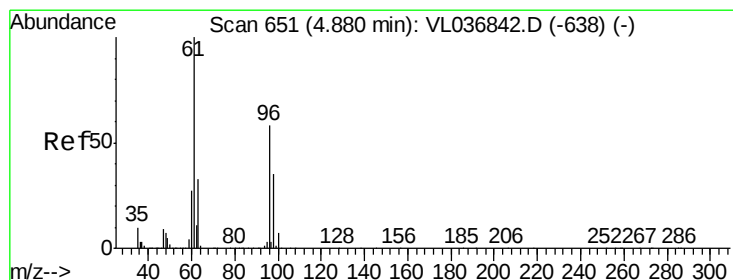
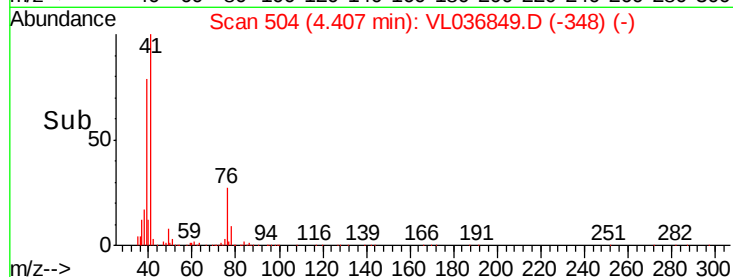
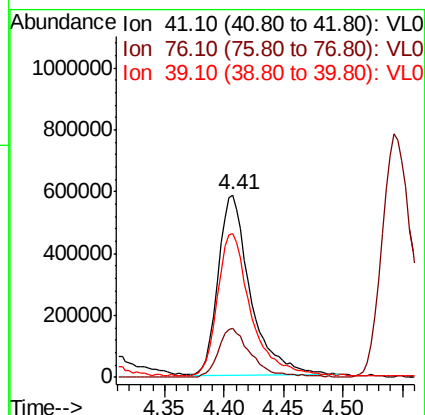
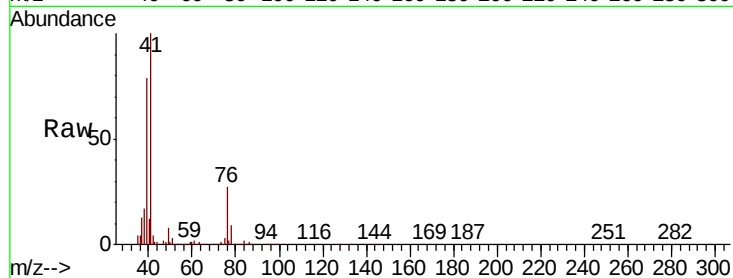
Ion 86.00 (85.70 to 86.70): VL0





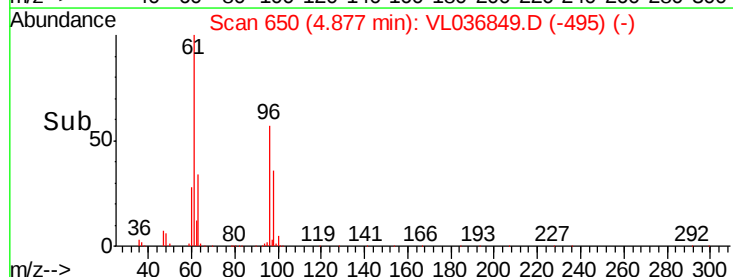
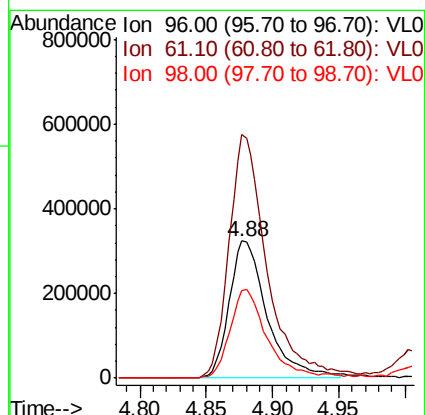
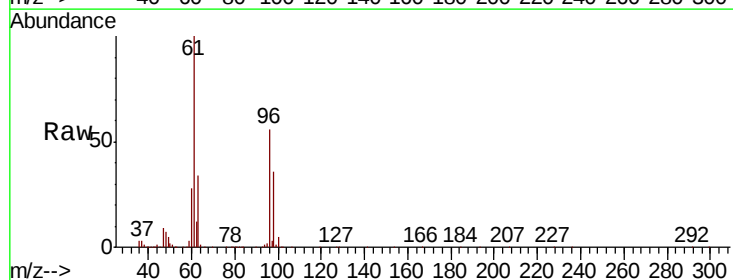
#21
 Allvl Chloride
 Concen: 10.111 ppbv
 RT: 4.41 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 6:31

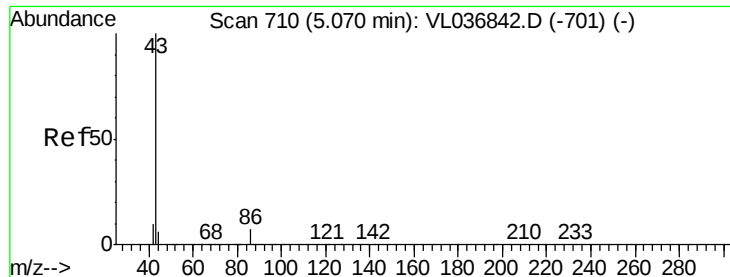
Tot Ion: 41 Resp: 1105586
 Ion Ratio Lower Upper
 41 100
 76 27.6 22.4 33.6
 39 85.4 68.4 102.6



#22
 trans-1,2-Dichloroethene
 Concen: 10.030 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. -0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

Tgt Ion: 96 Resp: 642599
 Ion Ratio Lower Upper
 96 100
 61 177.5 138.6 207.8
 98 64.0 48.1 72.1





#23

Vinyl Acetate

Concen: 9.750 ppbv

RT: 5.07 Instrument:

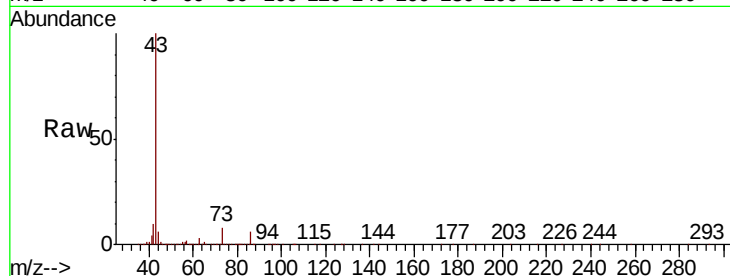
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

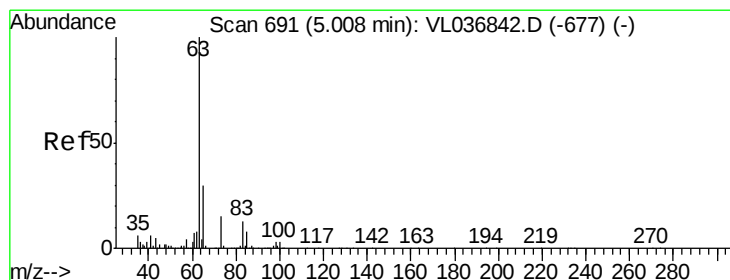
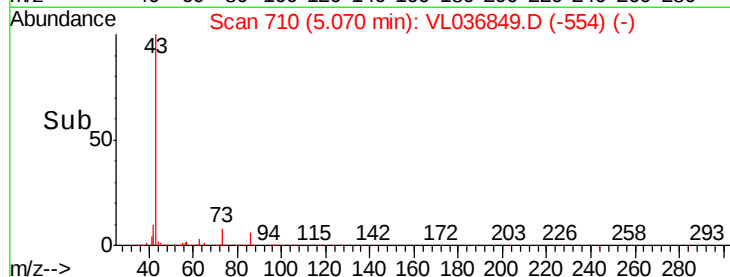
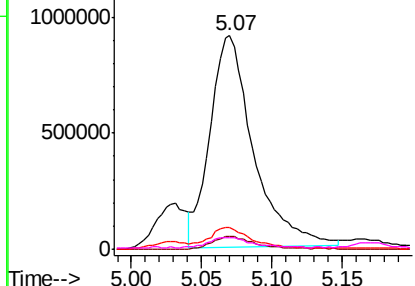
Acq: 27 Apr 2021 6:31

Tot Ion: 43 Resp: 1951611

Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.3	7.9
42	10.0	8.7	13.1
44	4.6	3.9	5.9



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



#24

1,1-Dichloroethane

Concen: 9.420 ppbv

RT: 5.01 min Scan# 690

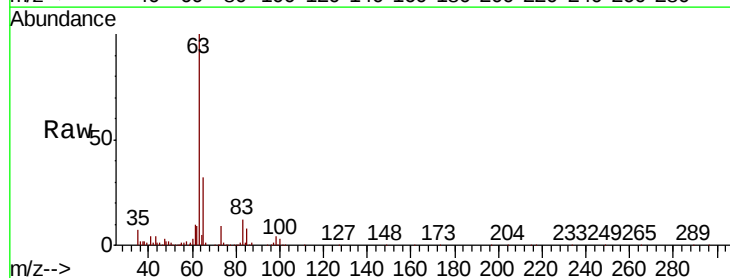
Delta R.T. -0.00 min

Lab File: VL036849.D

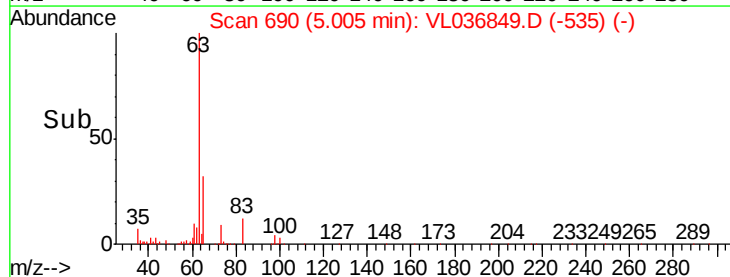
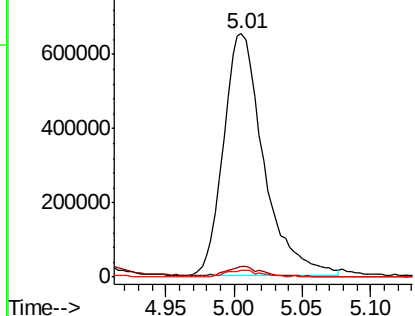
Acq: 27 Apr 2021 6:31

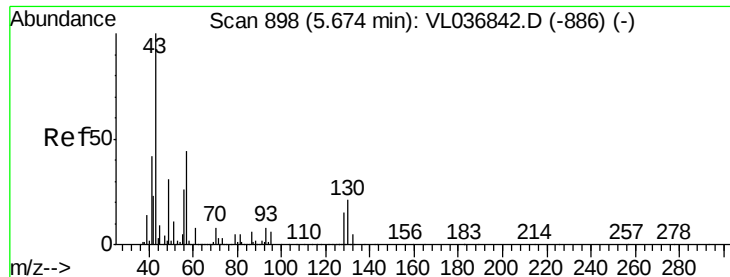
Tgt Ion: 63 Resp: 1338551

Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.7	5.1
100	2.6	1.3	3.8



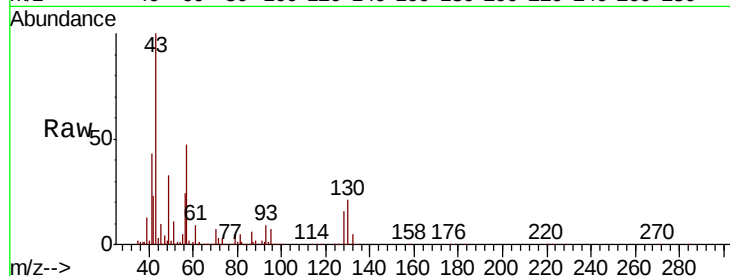
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.265 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 6:31

Tot Ion:	43	Resp:	3330513
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.1	7.4	11.0
70	6.6	5.4	8.0



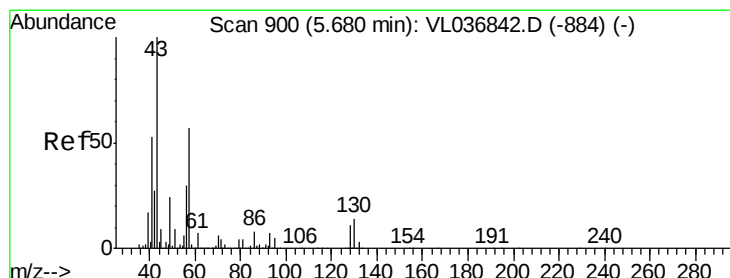
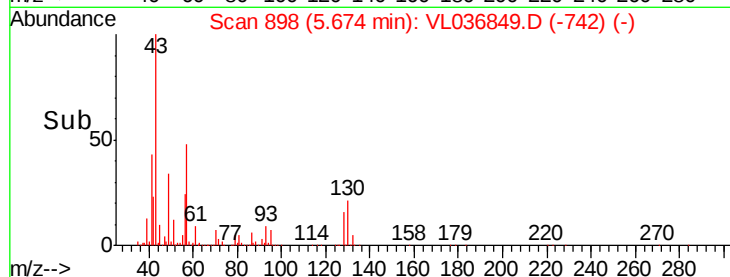
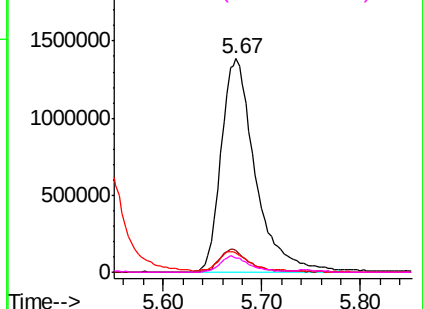
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

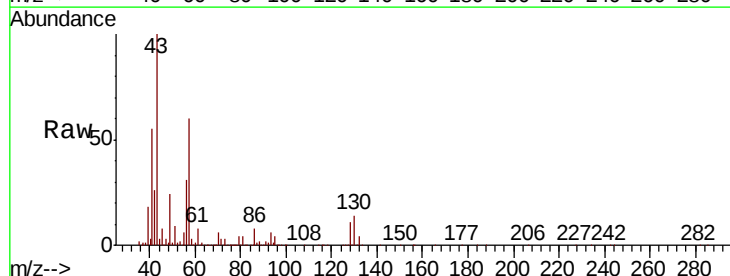
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.125 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: 0.00 min
Lab File: VL036849.D
Acq: 27 Apr 2021 6:31

Tgt Ion:	57	Resp:	1534626
Ion	Ratio	Lower	Upper
57	100		
41	93.8	77.7	116.5
43	218.3	180.5	270.7
56	53.1	44.6	66.8



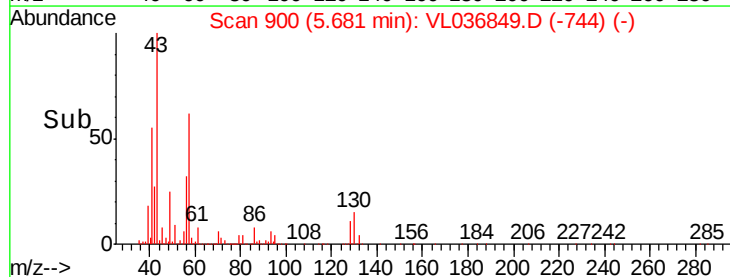
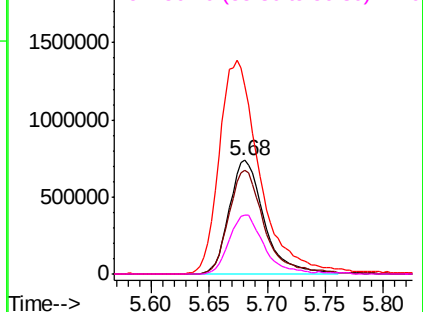
Abundance

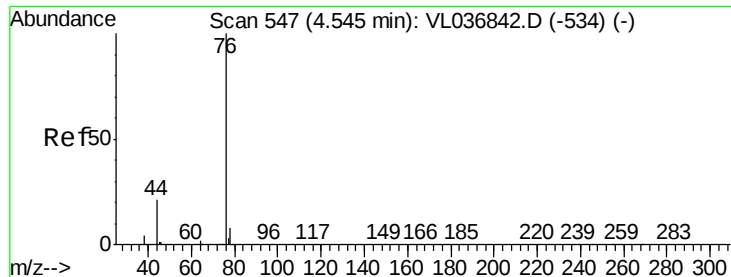
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.425 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 6:31

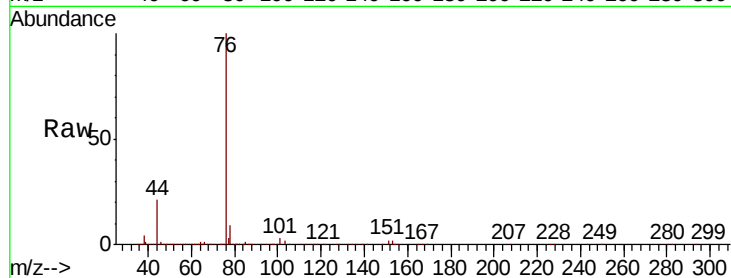
Tot Ion: 76 Resp: 1522878

Ion Ratio Lower Upper

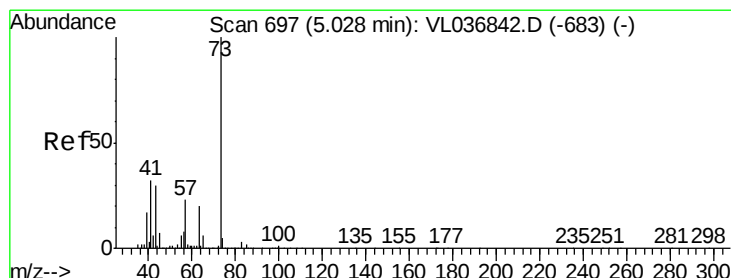
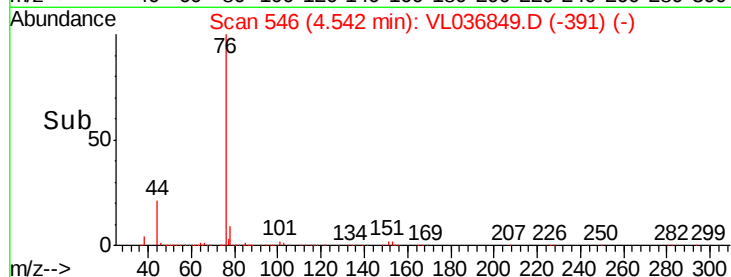
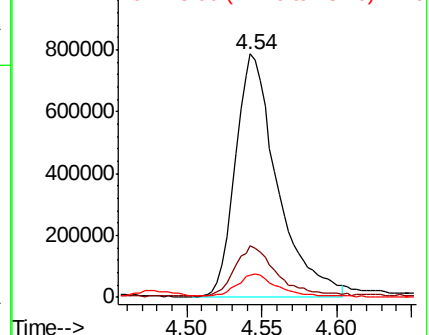
76 100

44 21.8 16.9 25.3

78 9.9 7.9 11.9



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: 9.693 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL036849.D

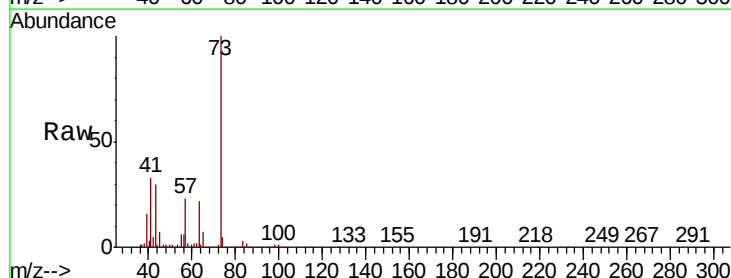
Acq: 27 Apr 2021 6:31

Tgt Ion: 73 Resp: 1444905

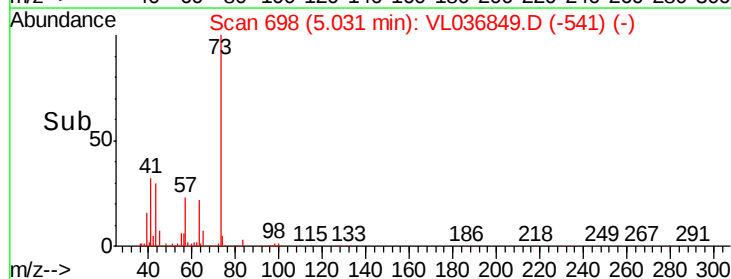
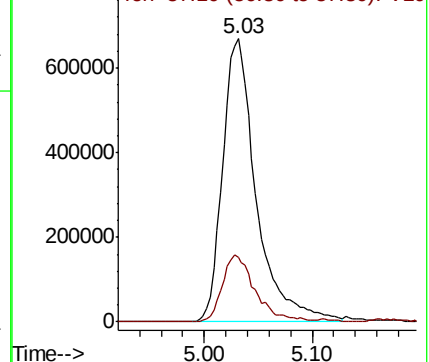
Ion Ratio Lower Upper

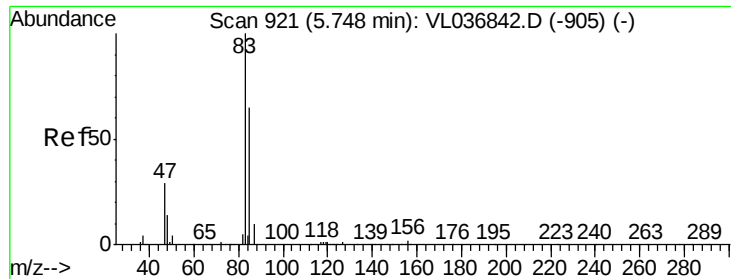
73 100

57 24.0 19.0 28.6



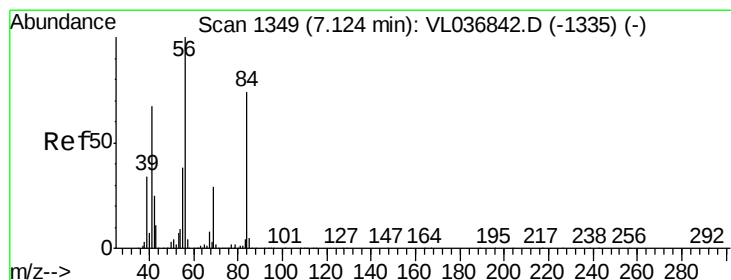
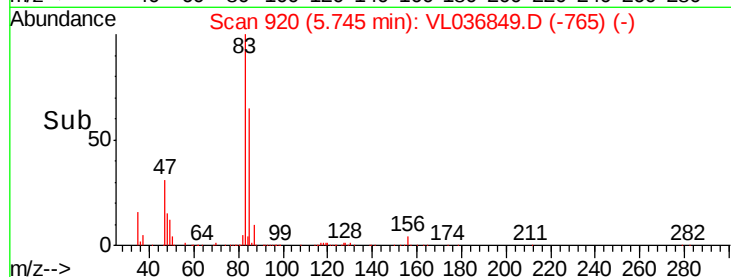
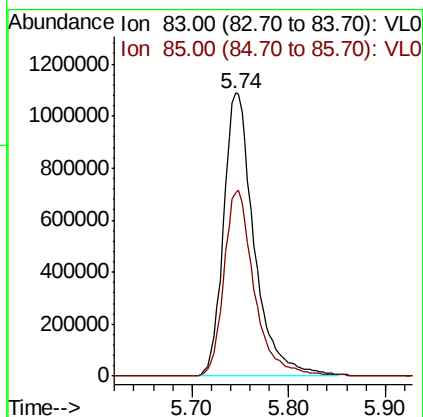
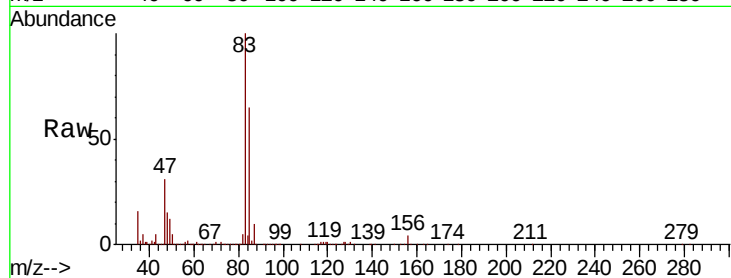
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





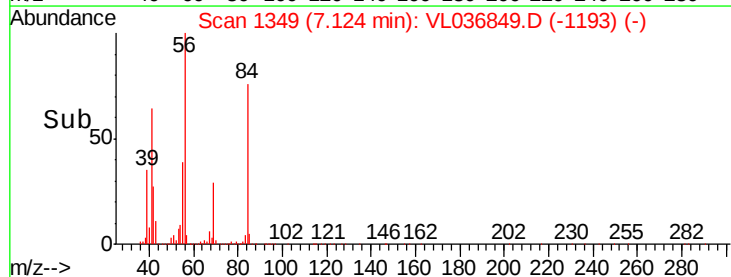
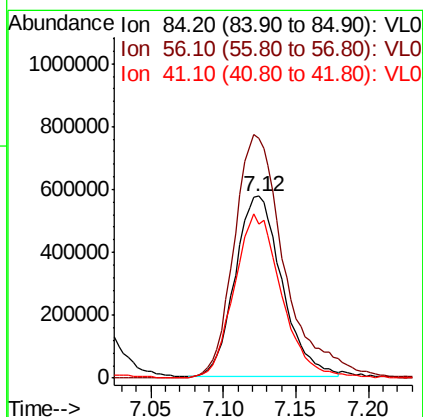
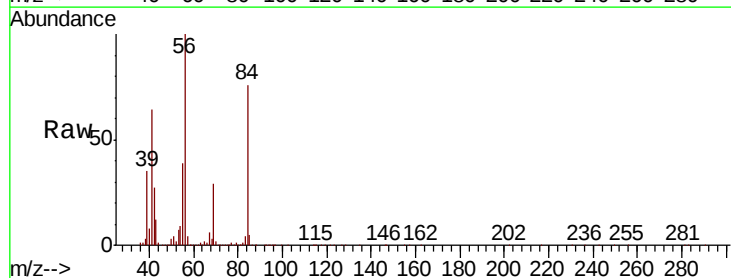
#29
Chloroform
Concen: 9.109 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Apr 2021 6:31

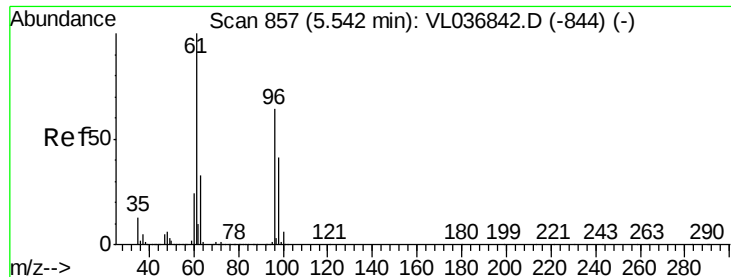
Tot Ion: 83 Resp: 2388233
Ion Ratio Lower Upper
83 100
85 64.6 52.2 78.4



#30
Cyclohexane
Concen: 9.620 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.00 min
Lab File: VL036849.D
Acq: 27 Apr 2021 6:31

Tgt Ion: 84 Resp: 1282971
Ion Ratio Lower Upper
84 100
56 147.5 115.8 173.6
41 93.1 74.6 111.8





#31

cis-1,2-Dichloroethene

Concen: 10.167 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 6:31

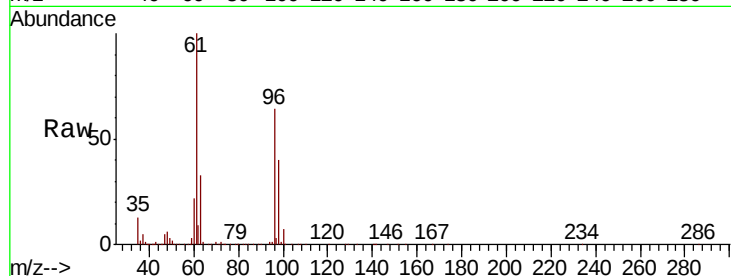
Tot Ion: 61 Resp: 1534754

Ion Ratio Lower Upper

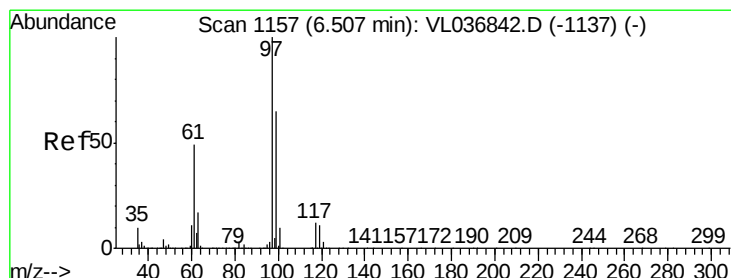
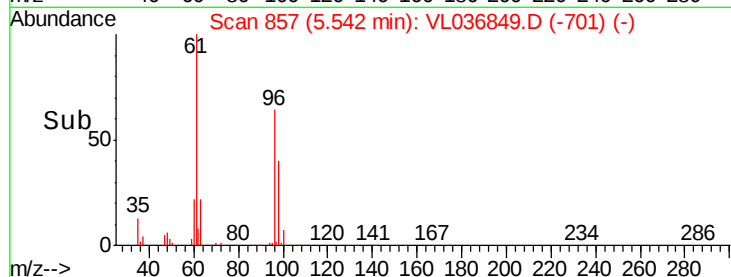
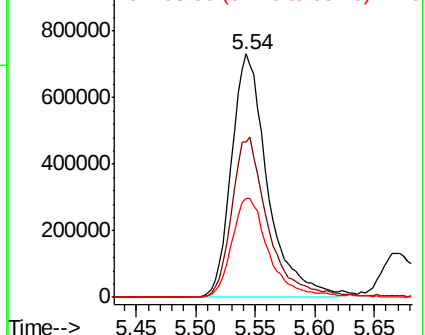
61 100

96 63.6 51.0 76.6

98 40.5 32.7 49.1



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



#32

1,1,1-Trichloroethane

Concen: 9.143 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

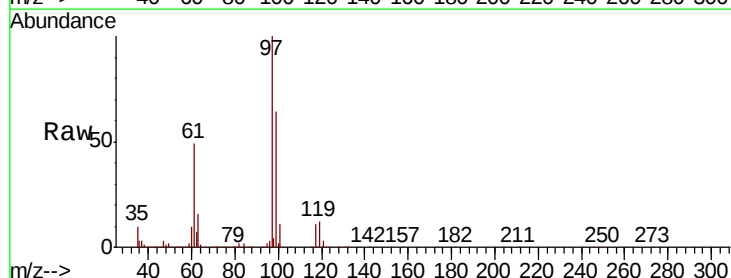
Tgt Ion: 97 Resp: 2437808

Ion Ratio Lower Upper

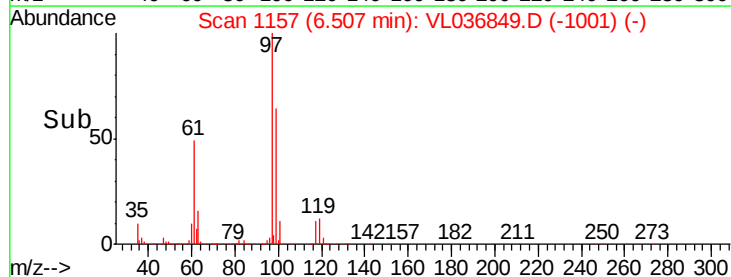
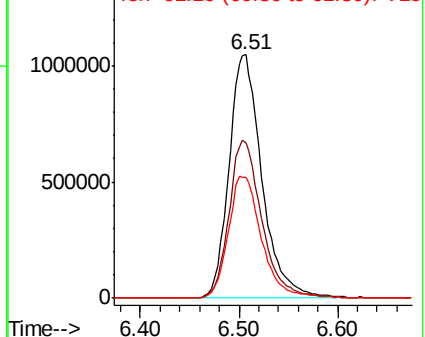
97 100

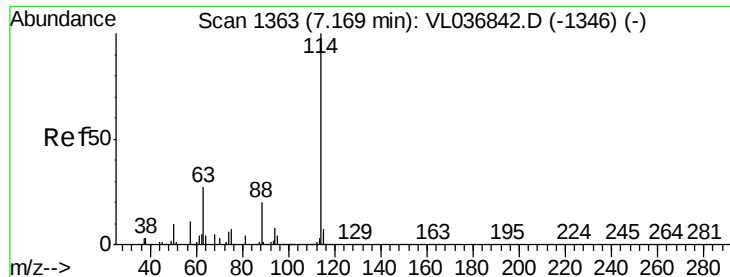
99 64.8 51.8 77.6

61 50.8 40.8 61.2



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

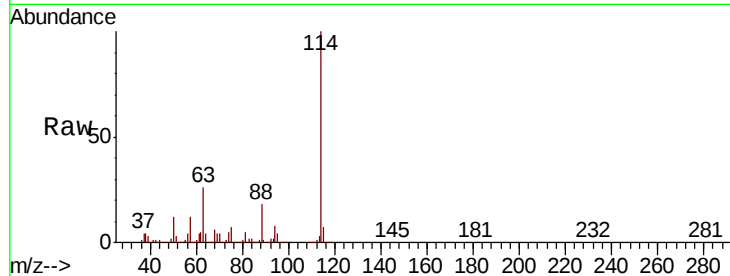




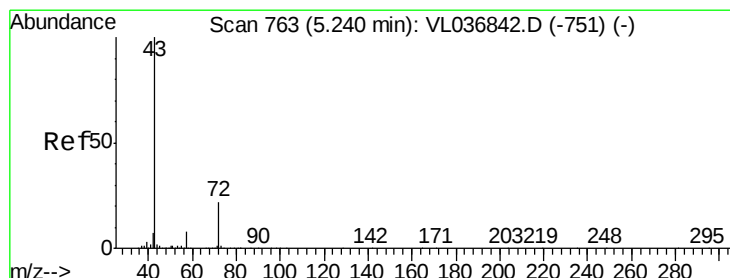
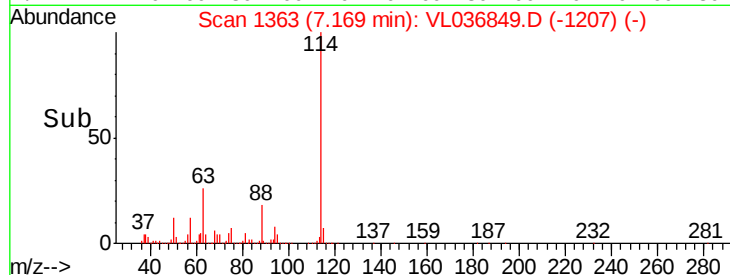
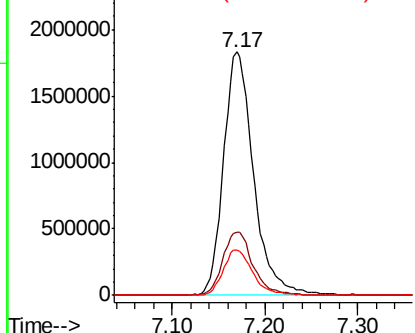
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 6:31

Tot Ion:114 Resp: 4118182

Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.9	32.9
88	18.5	15.1	22.7



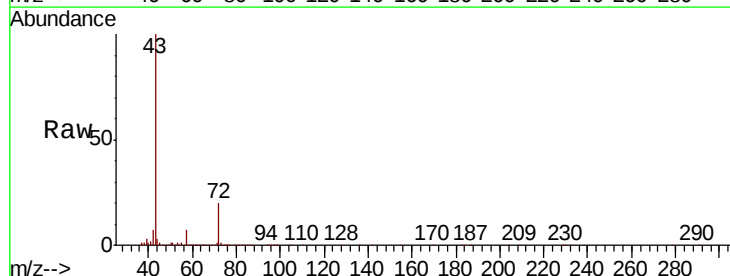
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



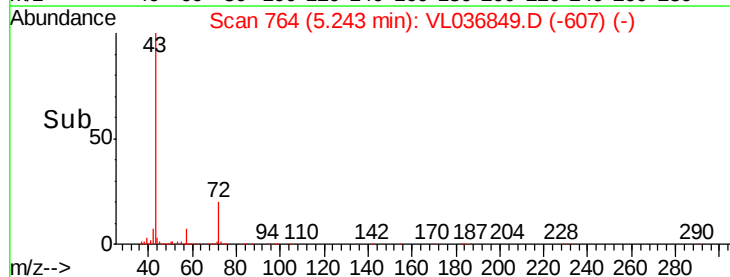
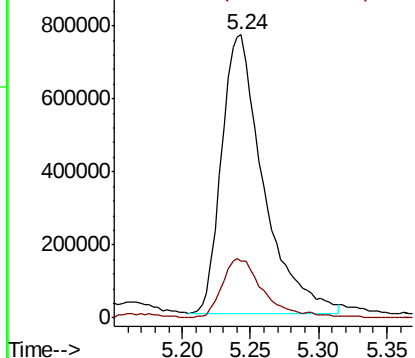
#34
 2-Butanone
 Concen: 8.976 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T.: 0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

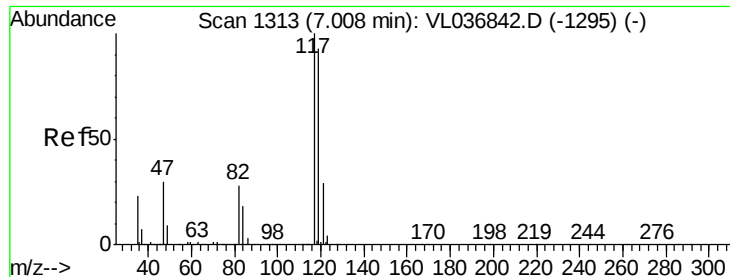
Tgt Ion: 43 Resp: 1619249

Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.6	26.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.034 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 6:31

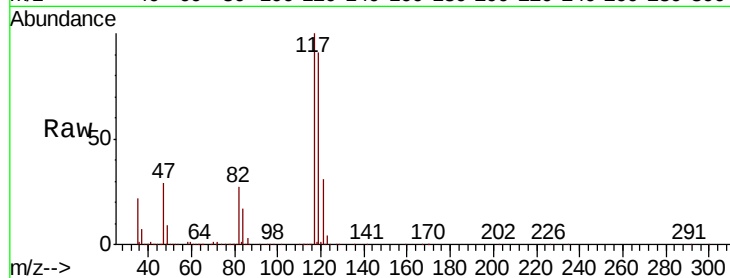
Tot Ion:117 Resp: 2524475

Ion Ratio Lower Upper

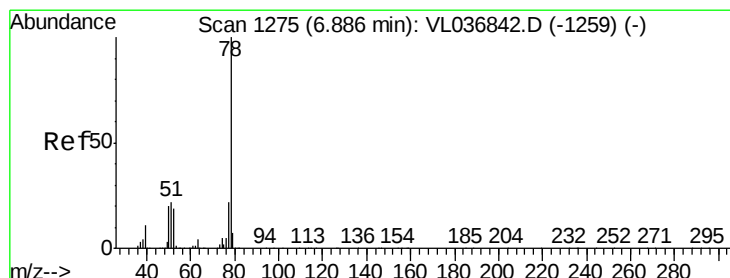
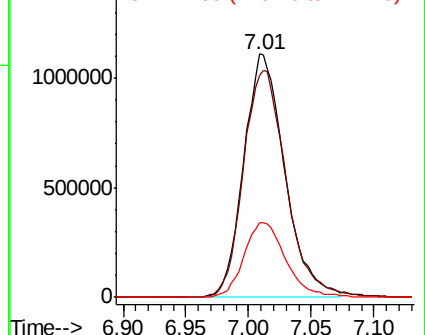
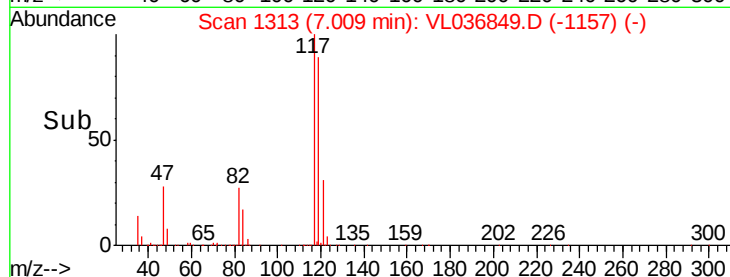
117 100

119 90.9 74.6 111.8

121 30.6 23.3 34.9



Abundance Ion 117.00 (116.70 to 117.70): V
1500000 Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.302 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

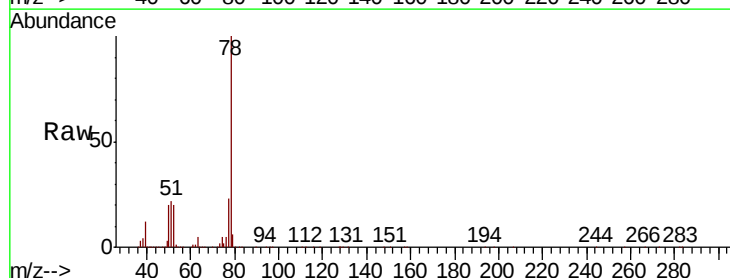
Tgt Ion: 78 Resp: 3227607

Ion Ratio Lower Upper

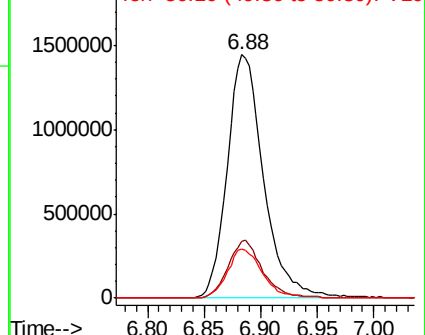
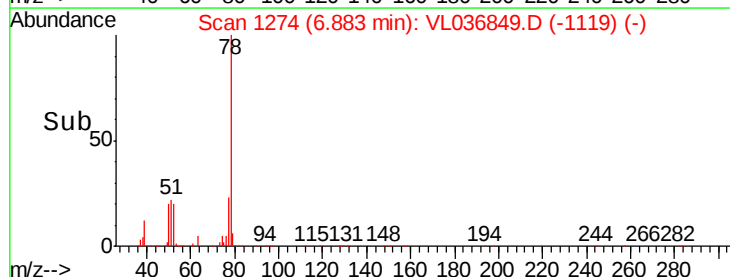
78 100

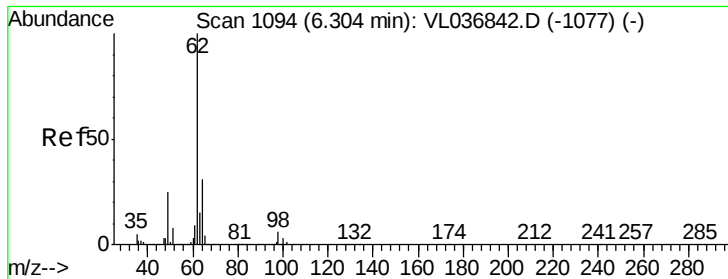
77 23.3 17.6 26.4

50 19.9 16.3 24.5



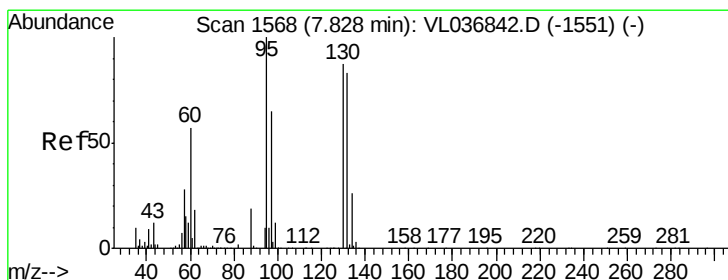
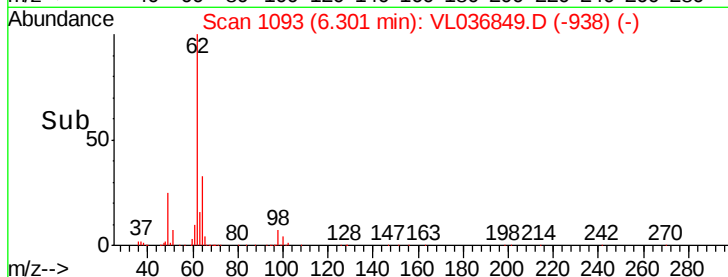
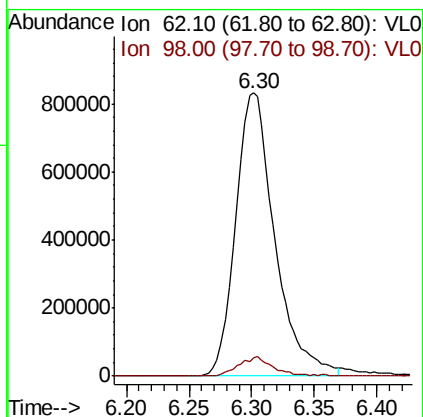
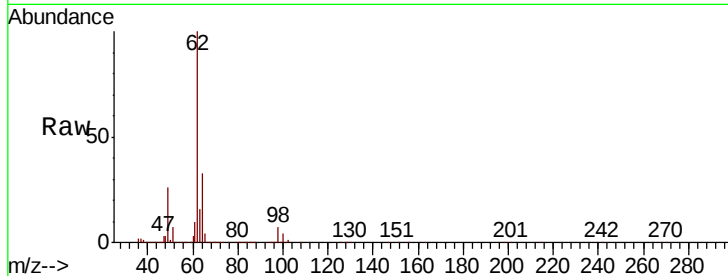
Abundance Ion 78.10 (77.80 to 78.80): VL0
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





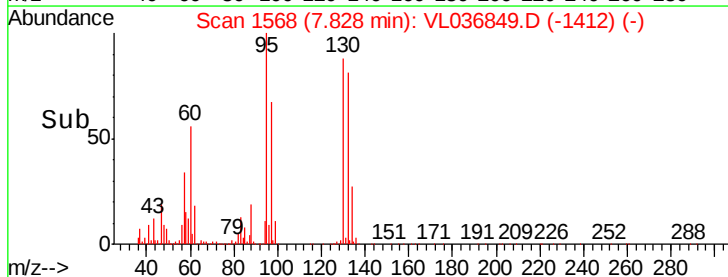
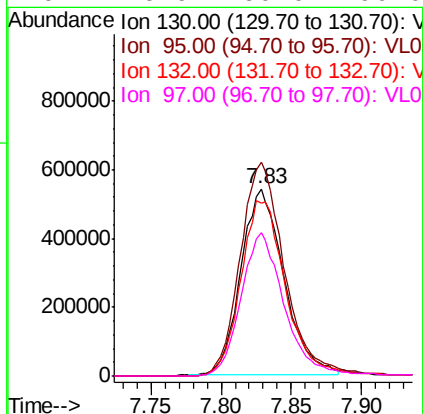
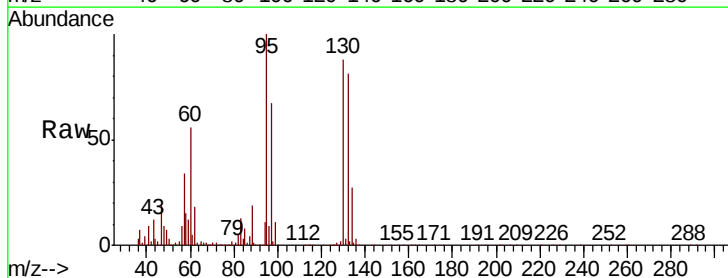
#37
 1,2-Dichloroethane
 Concen: 9.189 ppbv
 RT: 6.30
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 6:31

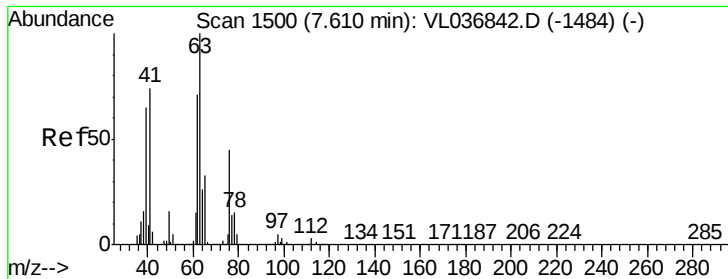
Tot Ion: 62 Resp: 1805464
 Ion Ratio Lower Upper
 62 100
 98 6.4 4.8 7.2



#38
 Trichloroethene
 Concen: 9.432 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

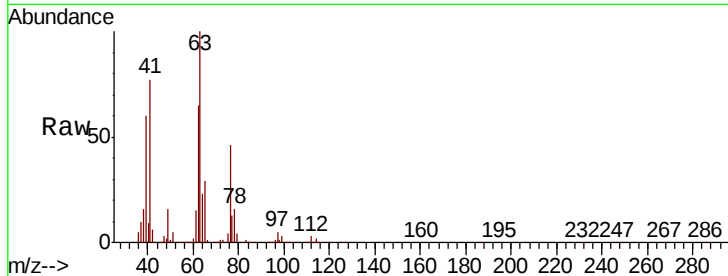
Tgt Ion: 130 Resp: 1165203
 Ion Ratio Lower Upper
 130 100
 95 114.4 92.3 138.5
 132 92.5 76.8 115.2
 97 76.9 60.0 90.0





#39
 1,2-Dichloropropane
 Concen: 9.075 ppbv
 RT: 7.60 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 6:31

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.9	59.1	88.7
62	65.1	56.9	85.3

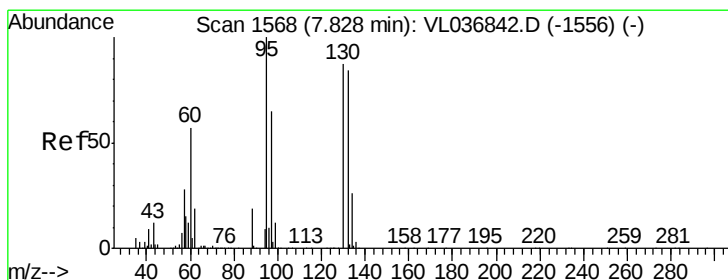
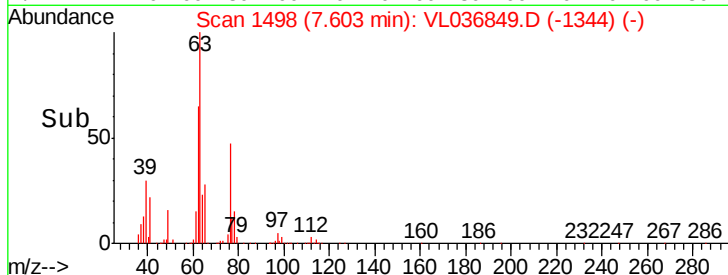
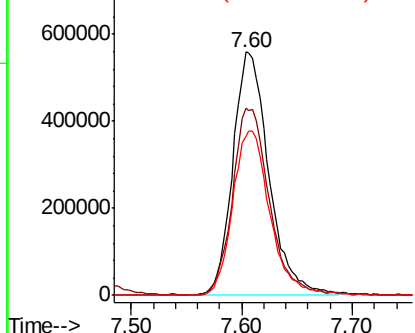


Abundance

Ion 63.10 (62.80 to 63.80): VL0

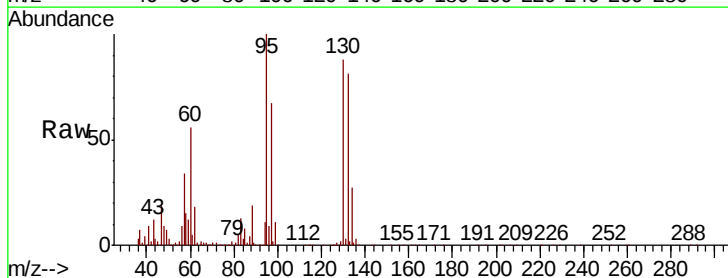
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40
 1,4-Dioxane
 Concen: 8.390 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	174.5	132.6	198.8
43	435.0	331.5	497.3
57	1927.0	1457.4	2186.0



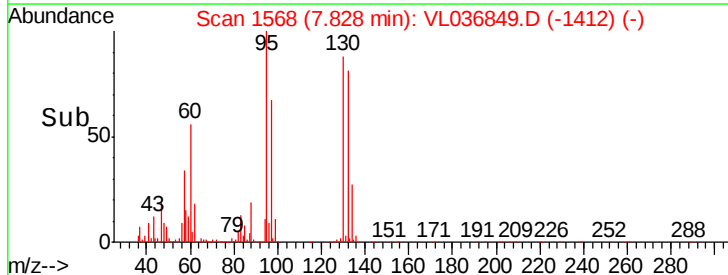
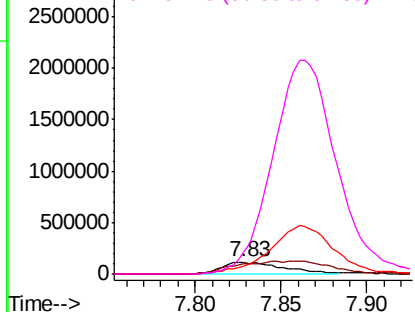
Abundance

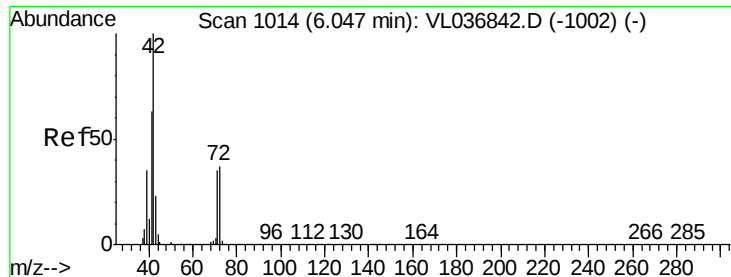
Ion 88.10 (87.80 to 88.80): VL0

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: 10.422 ppbv

RT: 6.05 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 27 Apr 2021 6:31

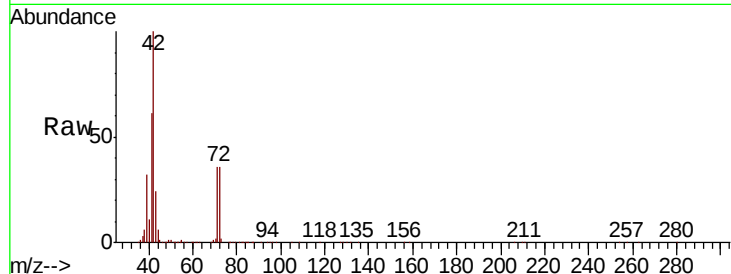
Tot Ion: 42 Resp: 822446

Ion Ratio Lower Upper

42 100

72 37.4 29.7 44.5

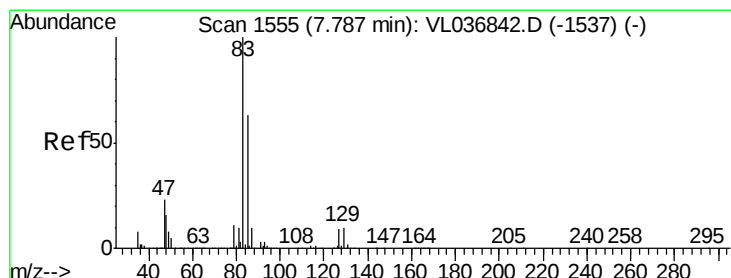
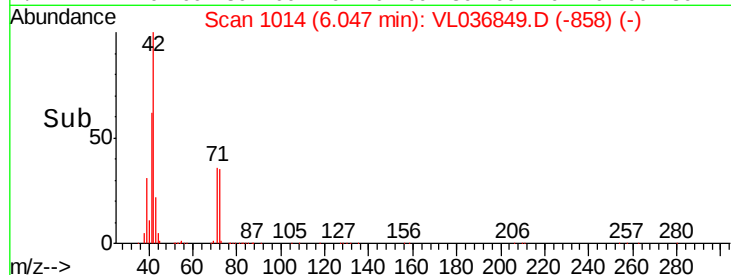
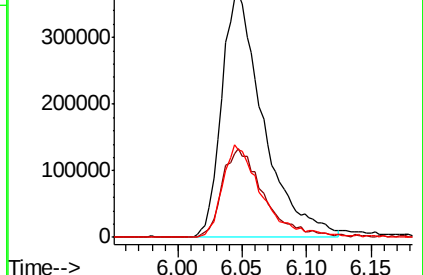
71 36.6 29.0 43.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.516 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

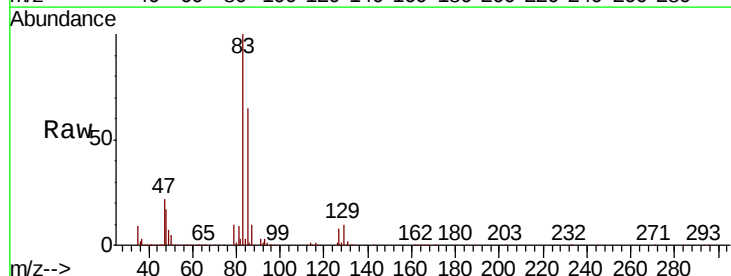
Tgt Ion: 83 Resp: 2597837

Ion Ratio Lower Upper

83 100

85 64.6 50.4 75.6

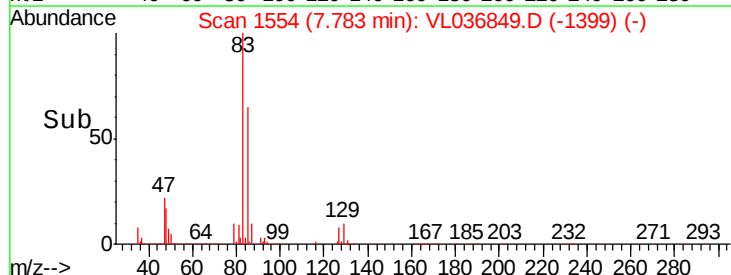
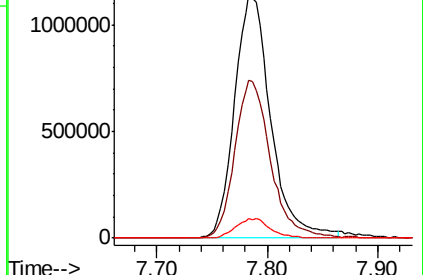
127 8.1 6.9 10.3

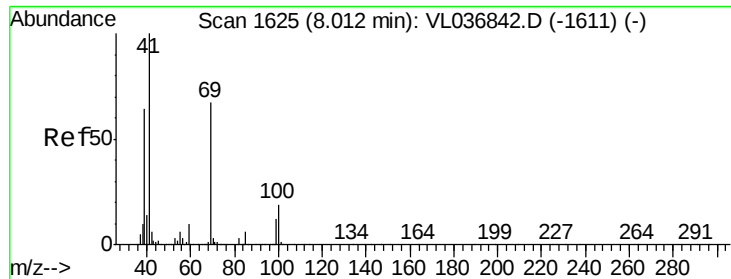


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.362 ppbv

RT: 8.01 Instrument: MSVOA_1

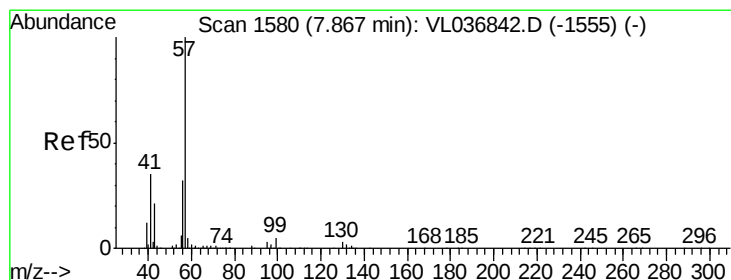
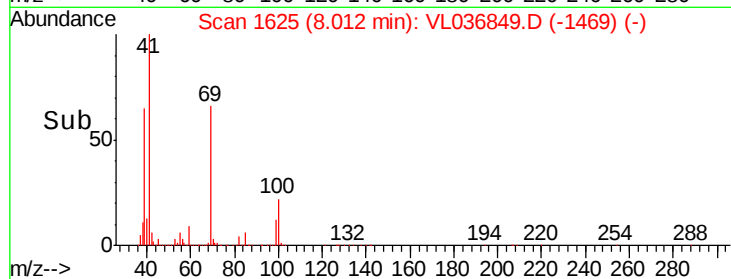
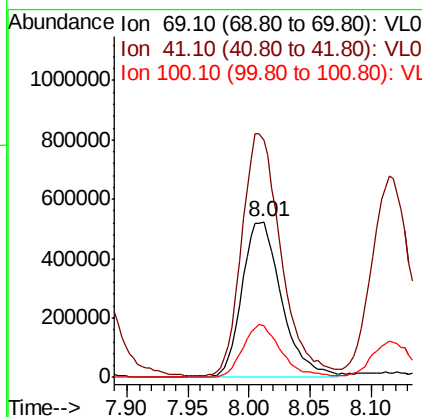
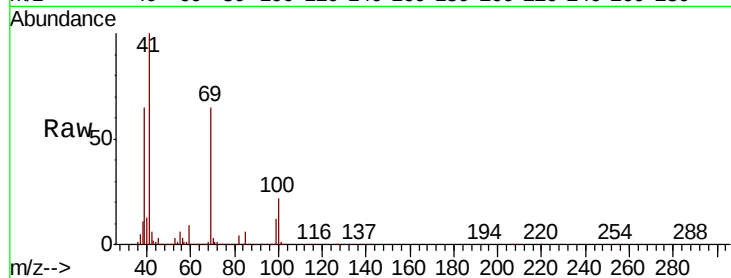
Delta R.T. ClientSampleId:

Lab File:

Acq: 27 Apr 2021 8:31

Tot Ion: 69 Resp: 1173134

Ion	Ratio	Lower	Upper
69	100		
41	155.6	124.2	186.4
100	32.7	25.5	38.3



#44

2,2,4-Trimethylpentane

Concen: 9.073 ppbv

RT: 7.86 min Scan# 1579

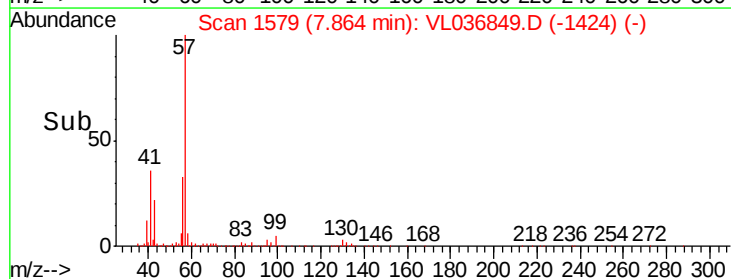
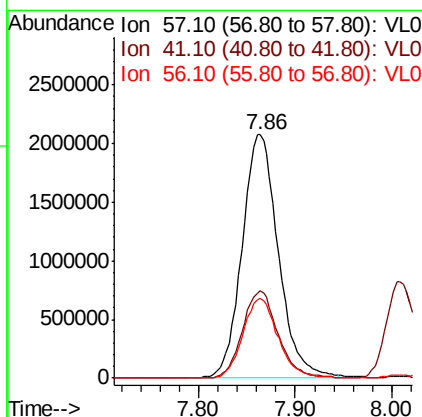
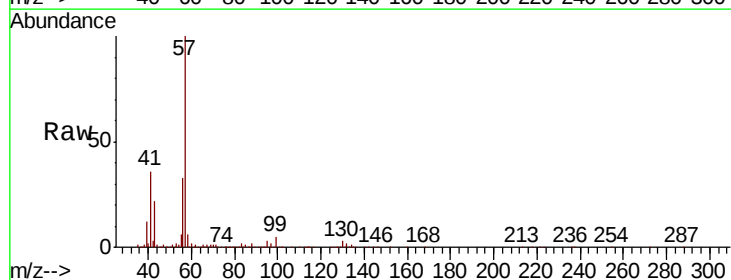
Delta R.T. -0.00 min

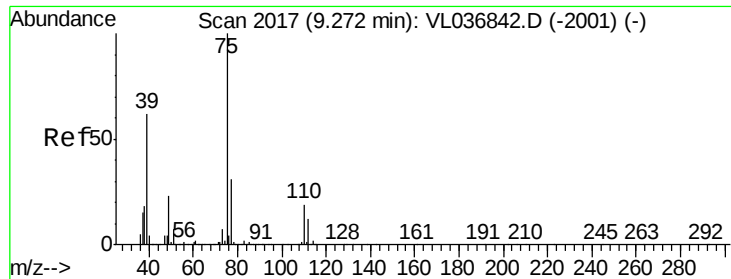
Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

Tgt Ion: 57 Resp: 5394938

Ion	Ratio	Lower	Upper
57	100		
41	35.2	28.2	42.4
56	32.2	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 10.792 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

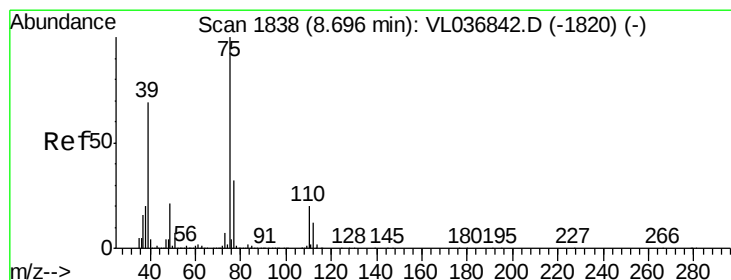
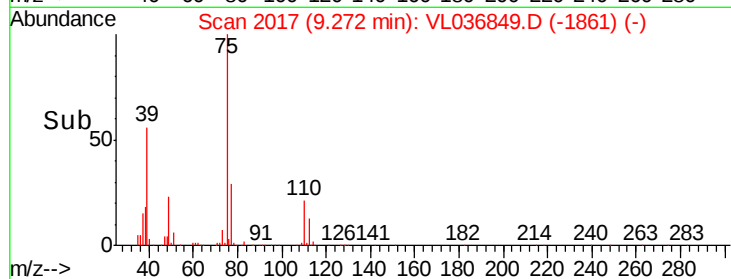
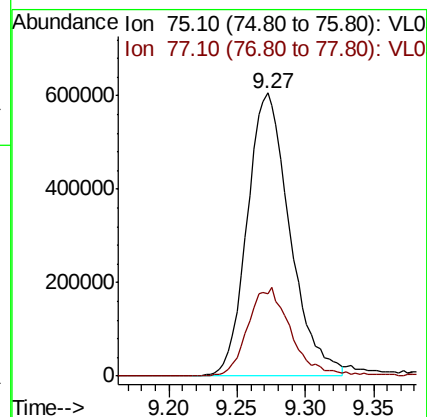
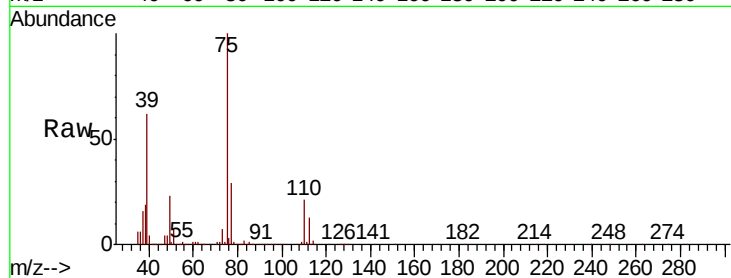
Acq: 27 Apr 2021 6:31

Tot Ion: 75 Resp: 1317184

Ion Ratio Lower Upper

75 100

77 29.3 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 10.656 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

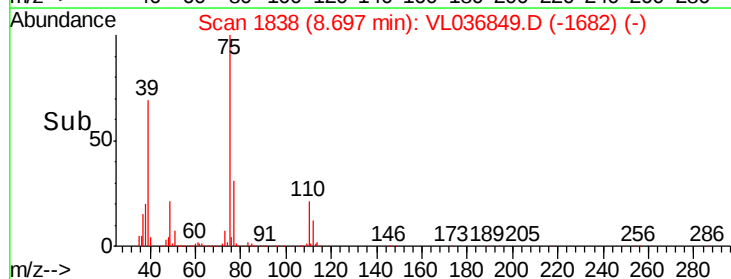
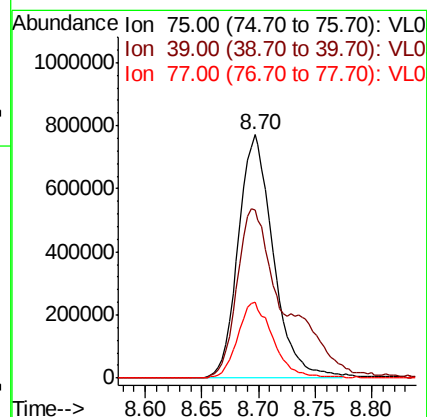
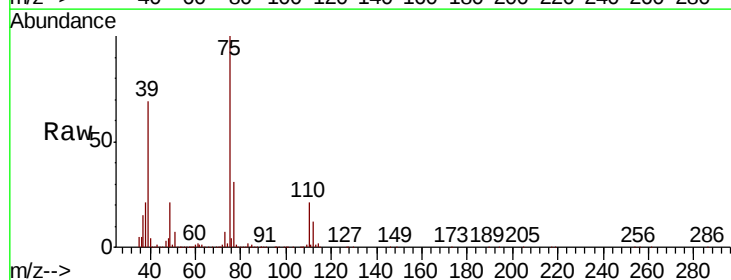
Tgt Ion: 75 Resp: 1667481

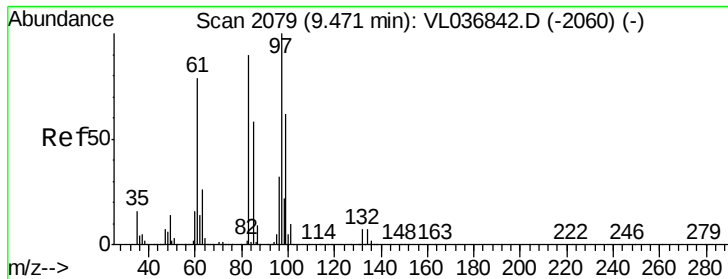
Ion Ratio Lower Upper

75 100

39 68.9 55.4 83.0

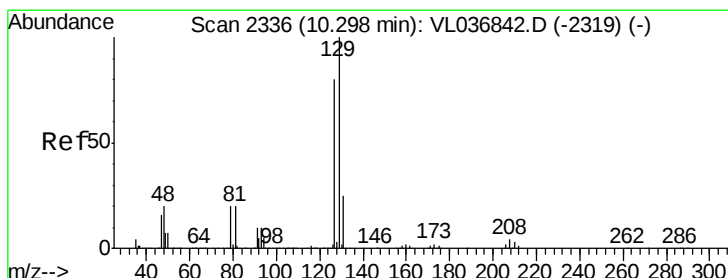
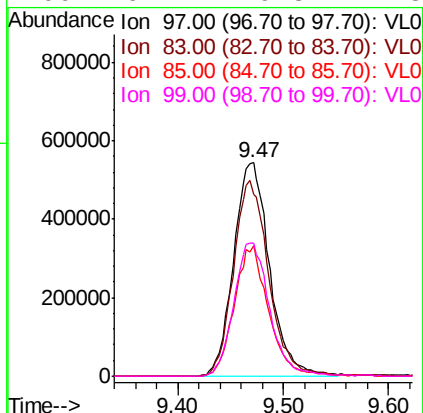
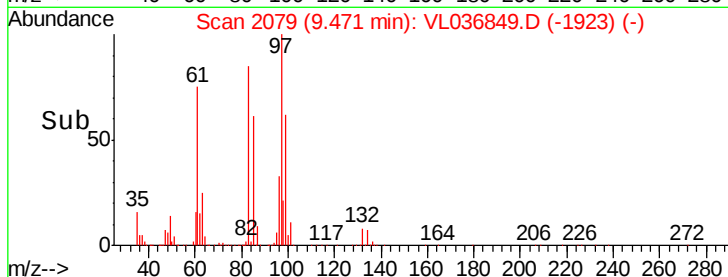
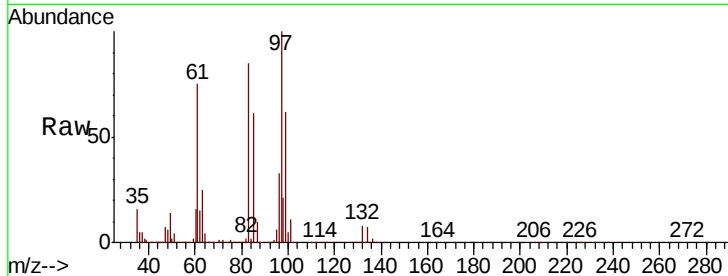
77 31.2 25.2 37.8





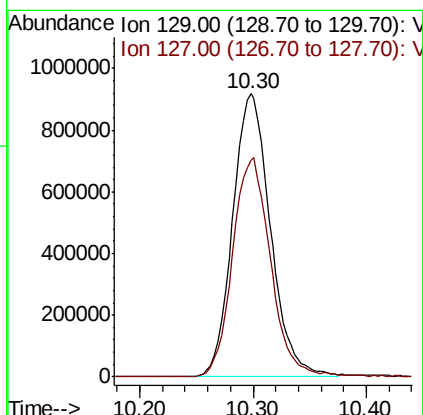
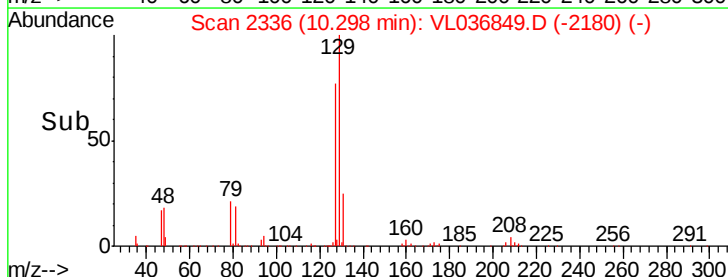
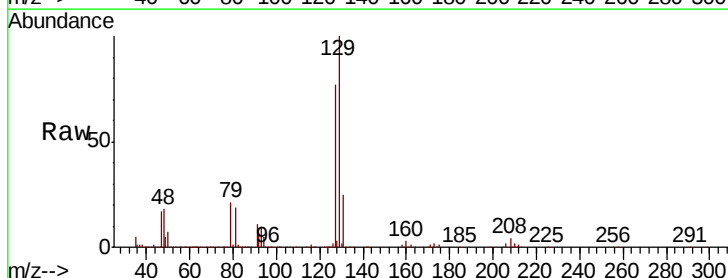
#47
 1,1,2-Trichloroethane
 Concen: 8.913 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 6:31

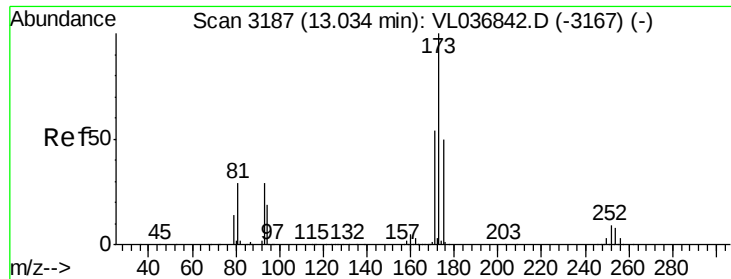
Tot Ion:	97	Resp:	1282812
Ion	Ratio	Lower	Upper
97	100		
83	85.3	71.9	107.9
85	60.9	46.5	69.7
99	62.1	49.8	74.8



#48
 Dibromochloromethane
 Concen: 10.014 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

Tgt Ion:	129	Resp:	2135447
Ion	Ratio	Lower	Upper
129	100		
127	78.1	40.2	120.5





#49

Bromoform

Concen: 10.181 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 6:31

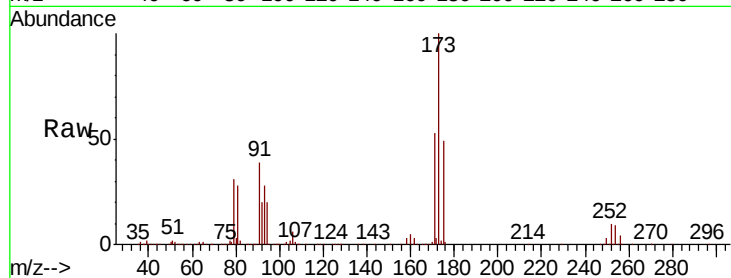
Tot Ion:173 Resp: 1733275

Ion Ratio Lower Upper

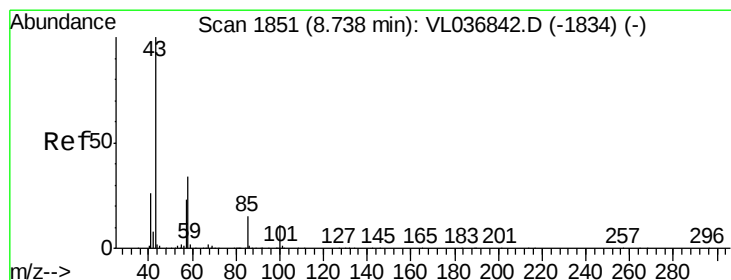
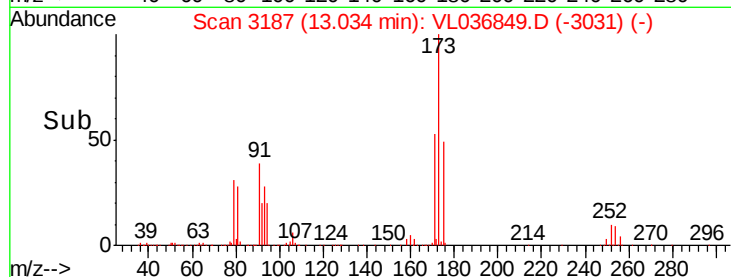
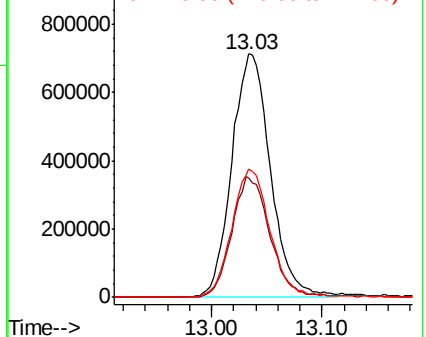
173 100

175 49.1 39.6 59.4

171 53.3 42.2 63.4



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.013 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL036849.D

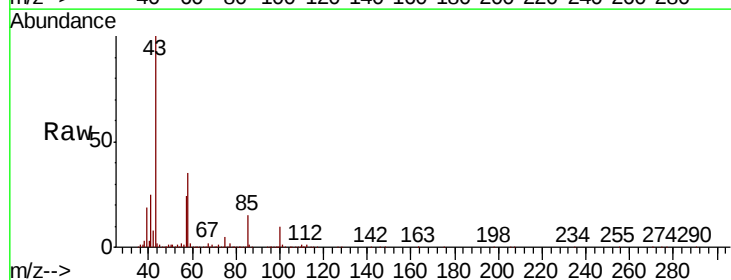
Acq: 27 Apr 2021 6:31

Tgt Ion: 43 Resp: 2469087

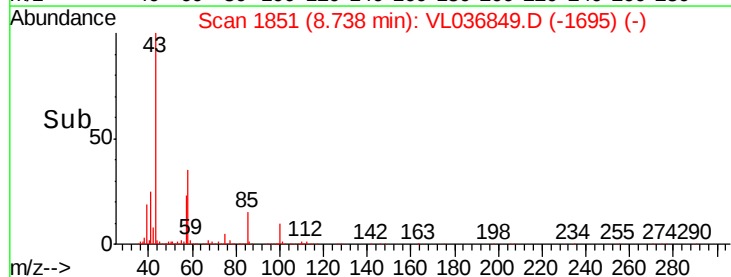
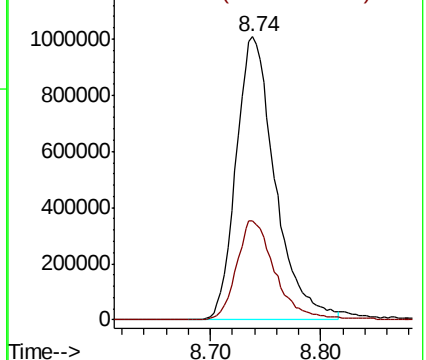
Ion Ratio Lower Upper

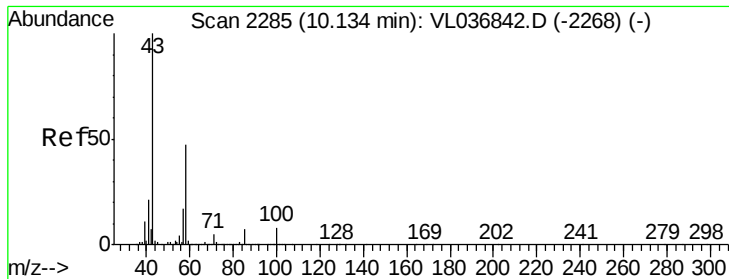
43 100

58 35.1 27.8 41.8



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





#51

2-Hexanone

Concen: 10.608 ppbv

RT: 10.14

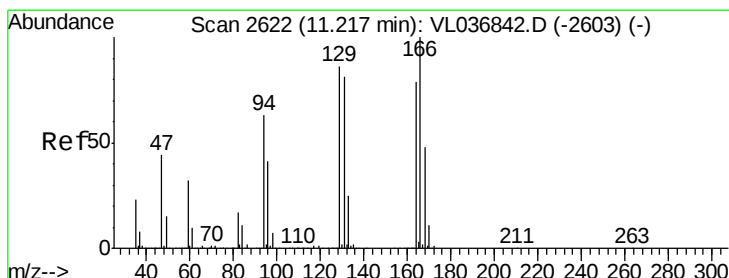
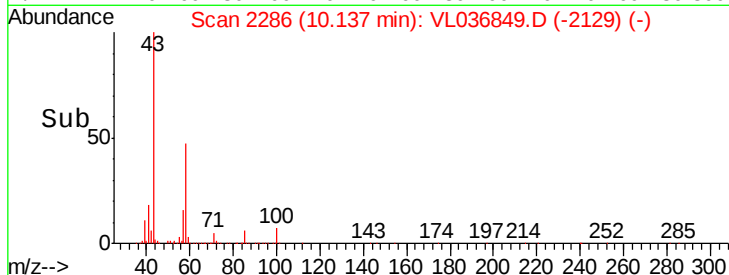
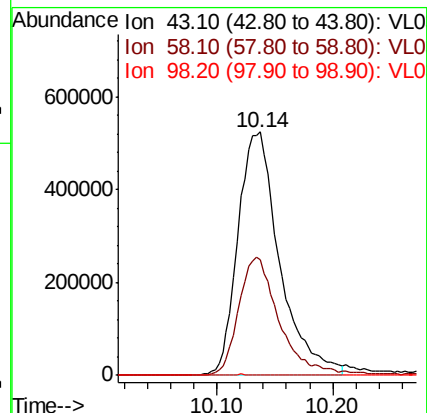
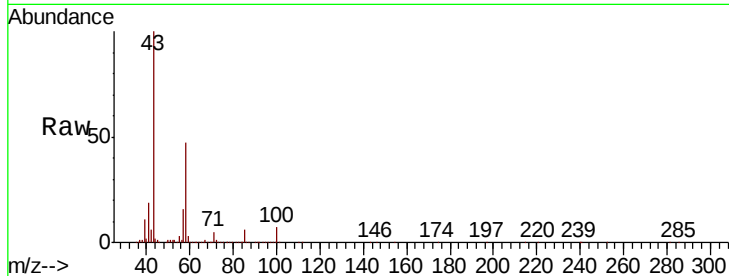
Delta R.T. MSVOA_L

Lab File:

Acq: 27 Apr 2021 6:31

Tot Ion: 43 Resp: 1304674

Ion	Ratio	Lower	Upper
43	100		
58	48.5	37.0	55.6
98	0.5	0.2	0.4#



#52

Tetrachloroethene

Concen: 9.372 ppbv

RT: 11.22 min Scan# 2622

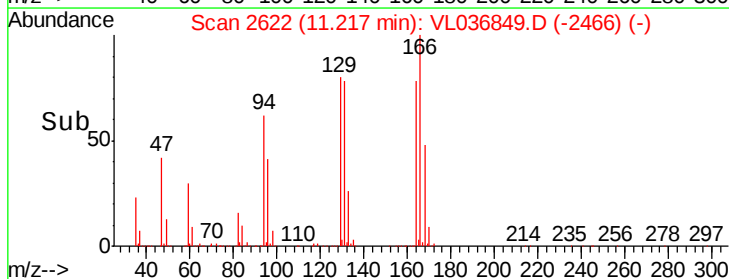
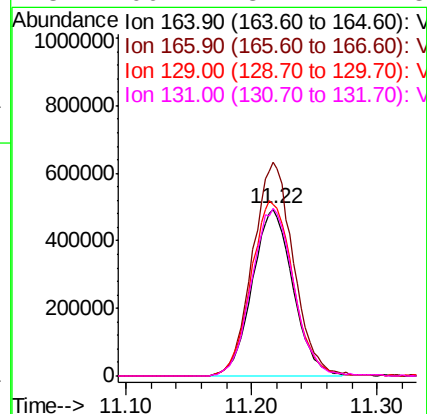
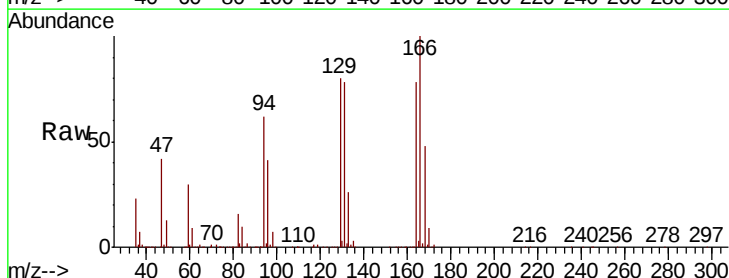
Delta R.T. 0.00 min

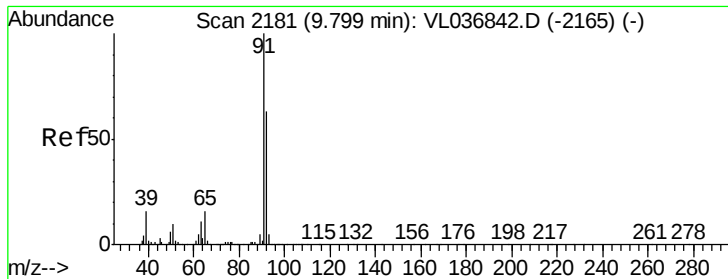
Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

Tgt Ion: 164 Resp: 1107308

Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.9	151.3
129	102.6	87.0	130.4
131	100.4	81.7	122.5





#53

Toluene

Concen: 9.920 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

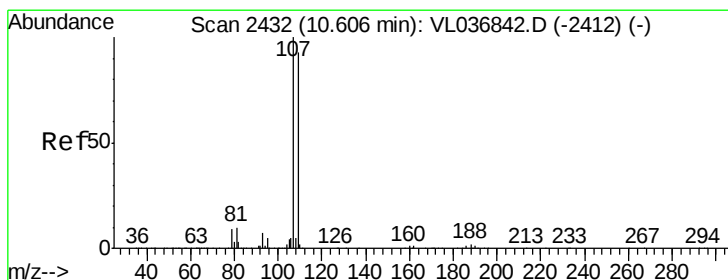
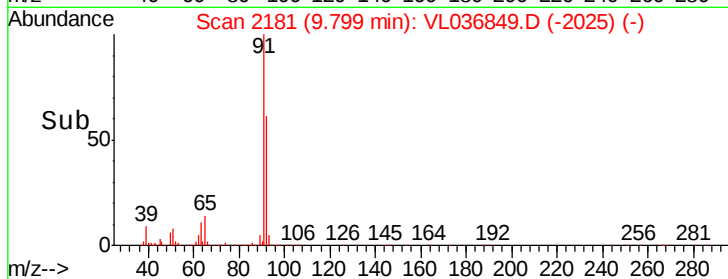
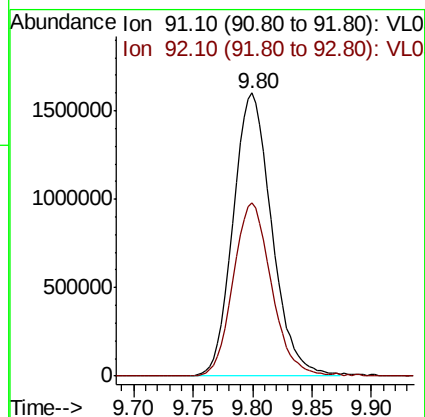
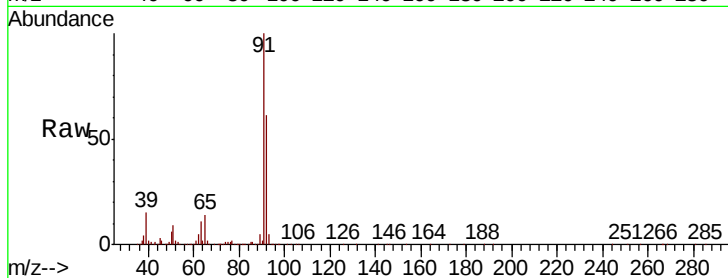
Acq: 27 Apr 2021 6:31

Tot Ion: 91 Resp: 3601552

Ion Ratio Lower Upper

91 100

92 61.3 49.0 73.4



#54

1,2-Dibromoethane

Concen: 9.085 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.00 min

Lab File: VL036849.D

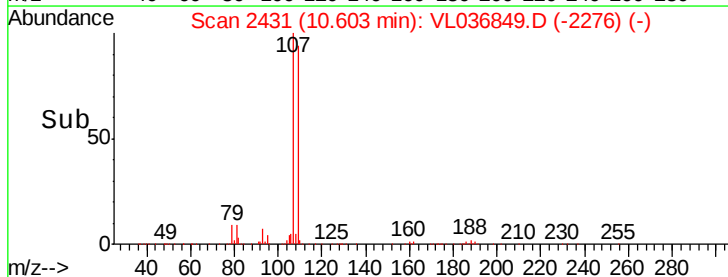
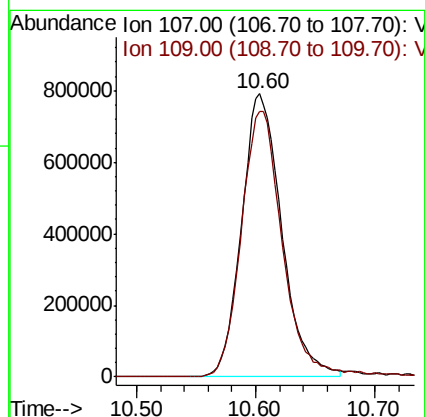
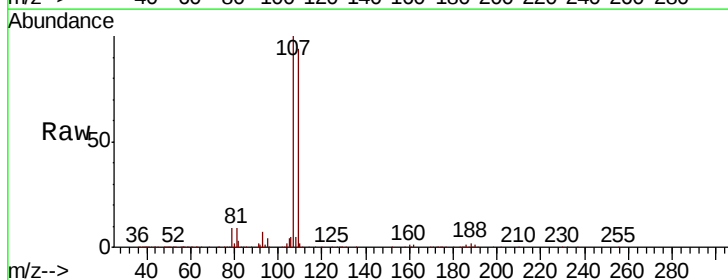
Acq: 27 Apr 2021 6:31

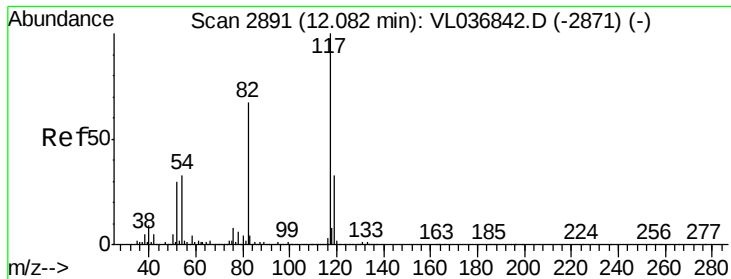
Tgt Ion: 107 Resp: 1845994

Ion Ratio Lower Upper

107 100

109 93.7 74.7 112.1

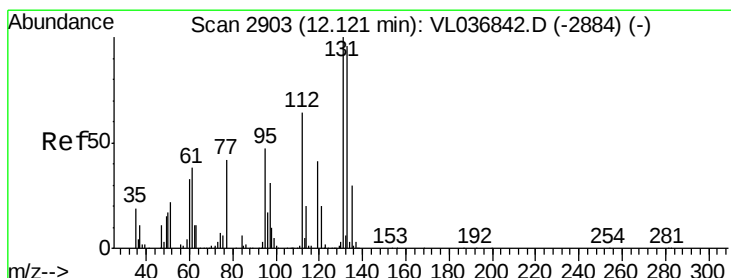
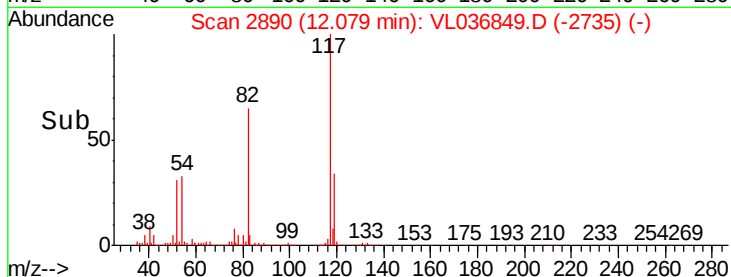
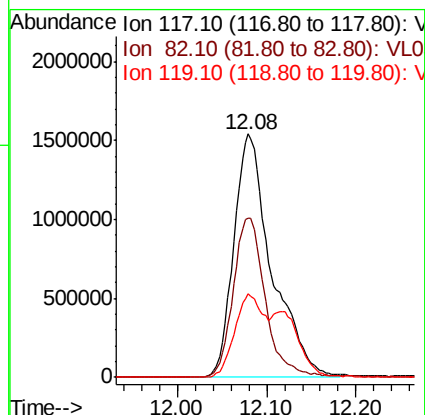
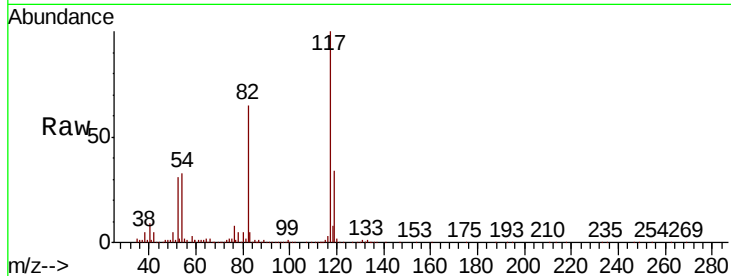




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 6:31

Tot Ion:117 Resp: 4534968

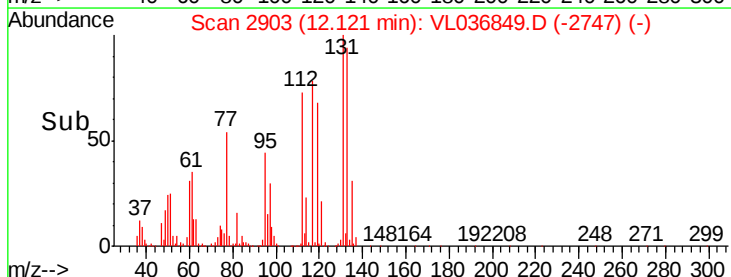
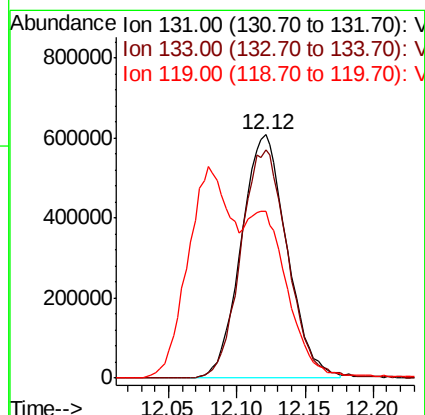
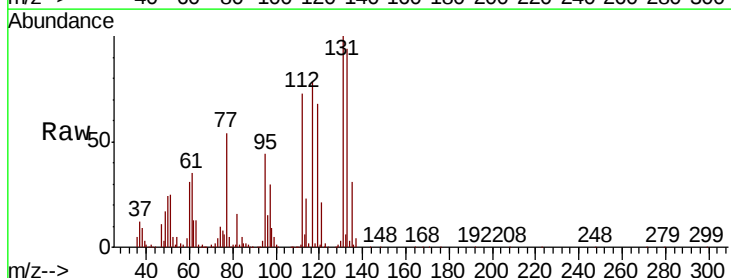
Ion	Ratio	Lower	Upper
117	100		
82	55.7	53.5	80.3
119	46.9	25.6	38.4

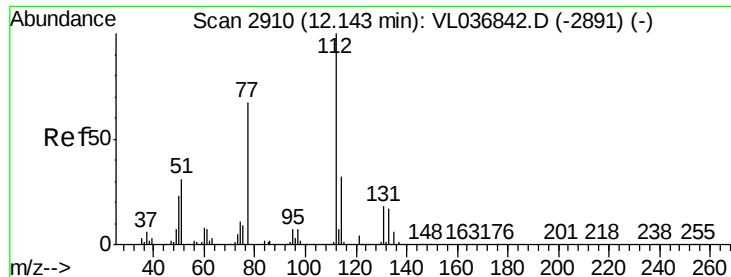


#56
1,1,1,2-Tetrachloroethane
Concen: 7.443 ppbv
RT: 12.12 min Scan# 2903
Delta R.T.: 0.00 min
Lab File: VL036849.D
Acq: 27 Apr 2021 6:31

Tgt Ion:131 Resp: 1415056

Ion	Ratio	Lower	Upper
131	100		
133	96.9	76.3	114.5
119	64.5	114.9	172.3





#57

Chlorobenzene

Concen: 7.442 ppbv

RT: 12.14 min

Delta R.T. MSVOA_L

Lab File:

Acq: 27 Apr 2021 6:31

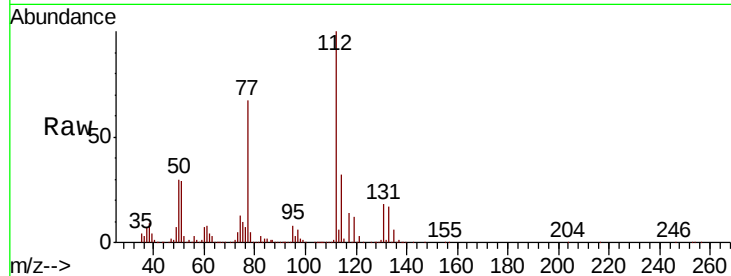
Tot Ion: 112 Resp: 2628512

Ion Ratio Lower Upper

112 100

77 66.2 54.2 81.4

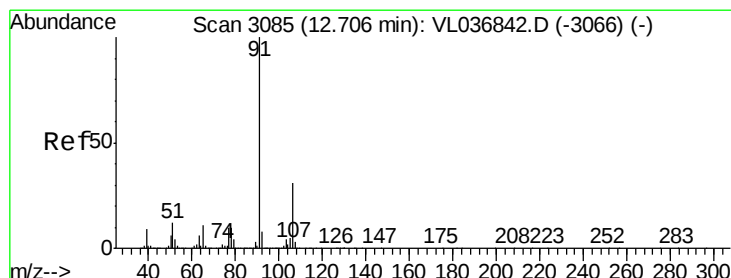
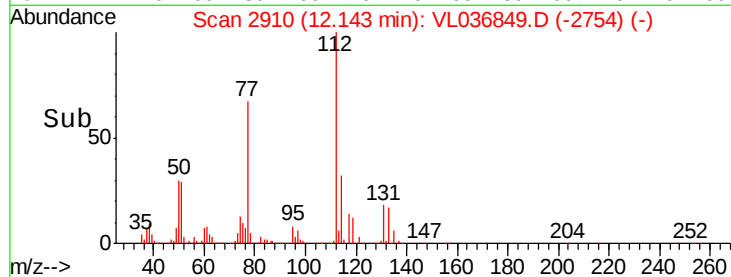
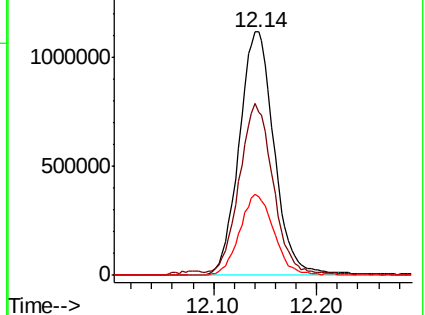
114 31.9 28.5 34.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.267 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. -0.00 min

Lab File: VL036849.D

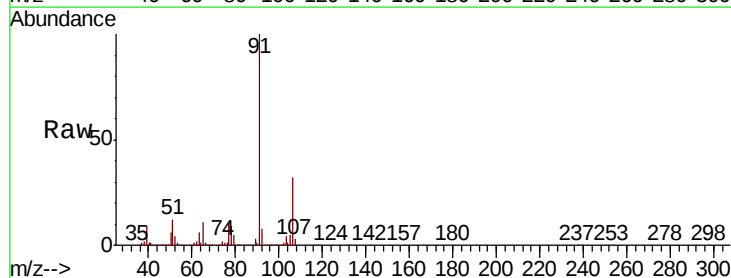
Acq: 27 Apr 2021 6:31

Tgt Ion: 91 Resp: 4755005

Ion Ratio Lower Upper

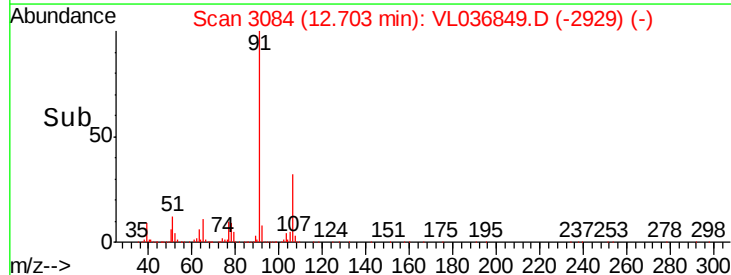
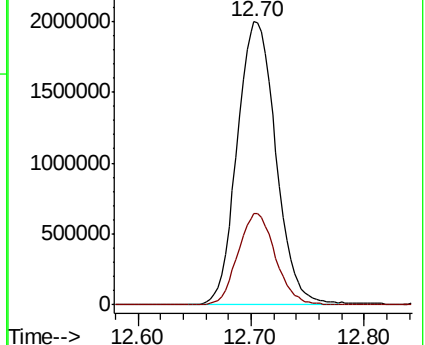
91 100

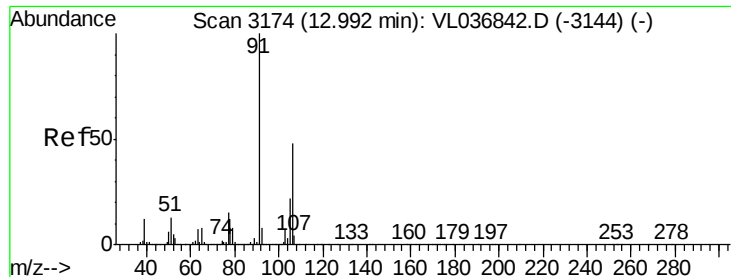
106 32.1 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.188 ppbv

RT: 12.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

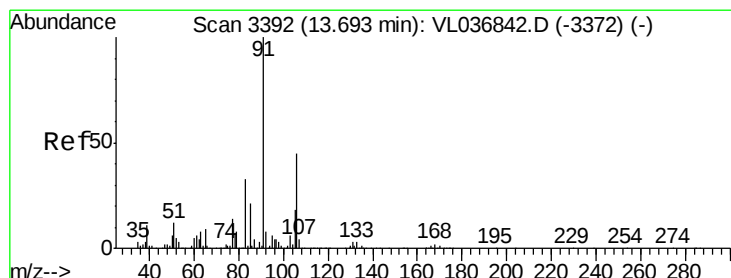
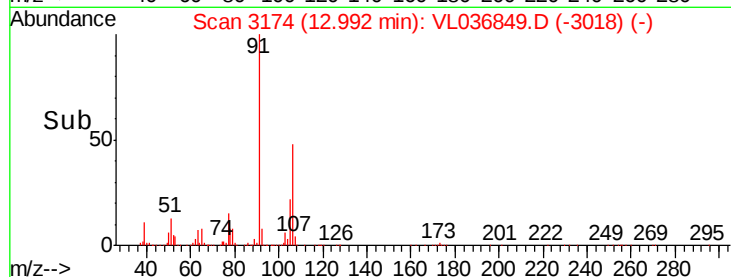
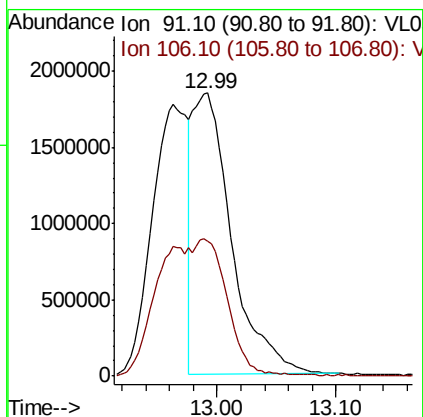
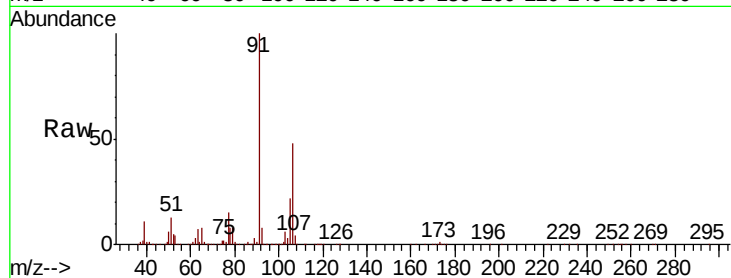
Acq: 27 Apr 2021 6:31

Tot Ion: 91 Resp: 4209437

Ion Ratio Lower Upper

91 100

106 85.5 35.8 53.6#



#60

o-Xylene

Concen: 7.571 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. -0.01 min

Lab File: VL036849.D

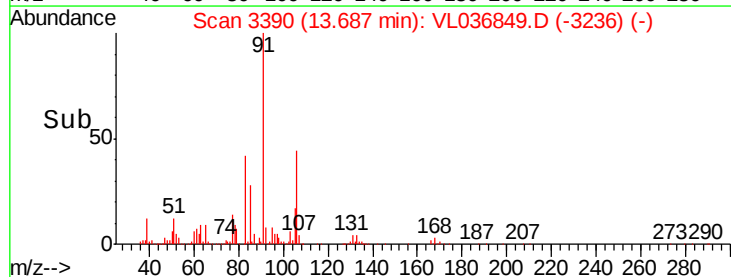
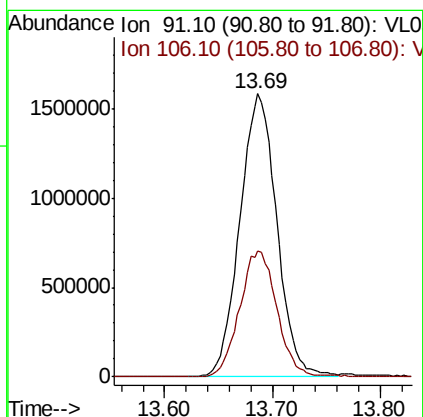
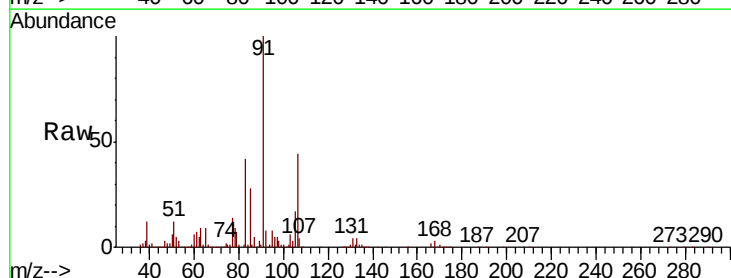
Acq: 27 Apr 2021 6:31

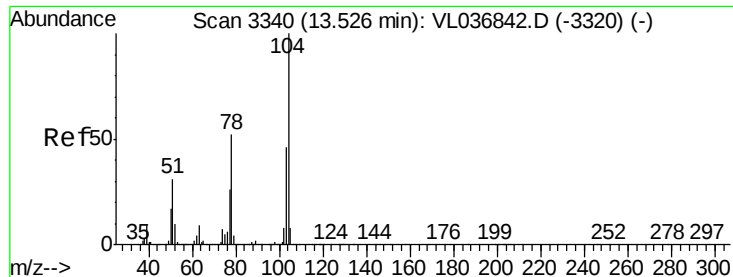
Tgt Ion: 91 Resp: 3763271

Ion Ratio Lower Upper

91 100

106 45.2 22.6 67.7





#61

Stvrene

Concen: 9.415 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File:

Acq: 27 Apr 2021 6:31

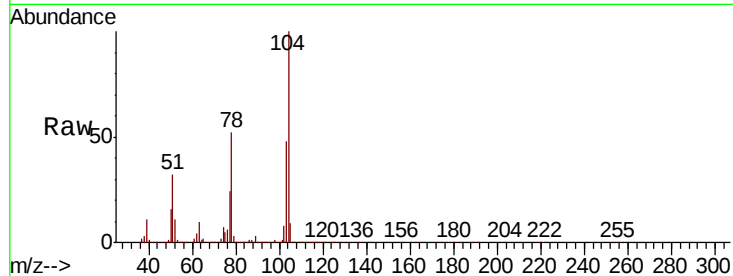
Tot Ion:104 Resp: 2197780

Ion Ratio Lower Upper

104 100

78 53.0 42.6 64.0

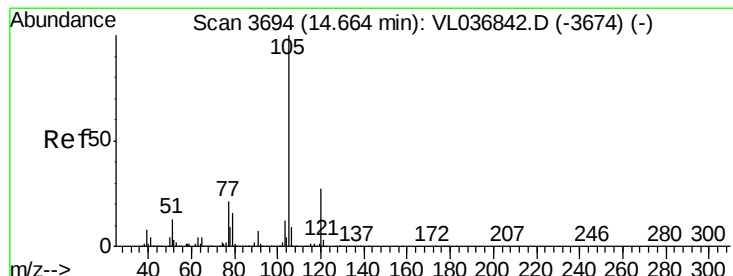
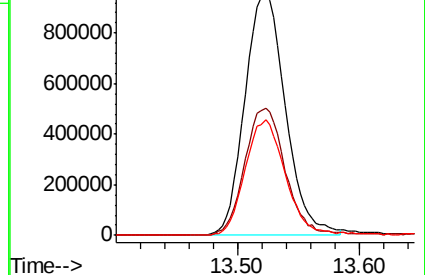
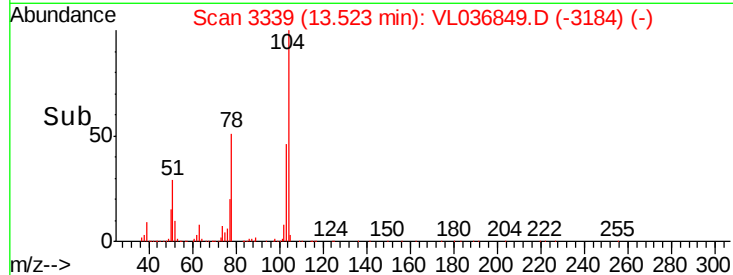
103 47.9 38.1 57.1



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: 7.638 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VL036849.D

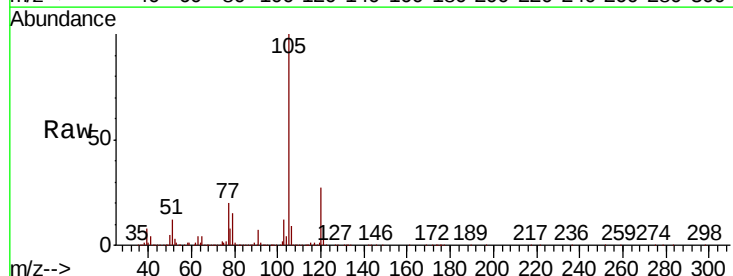
Acq: 27 Apr 2021 6:31

Tgt Ion:105 Resp: 5165684

Ion Ratio Lower Upper

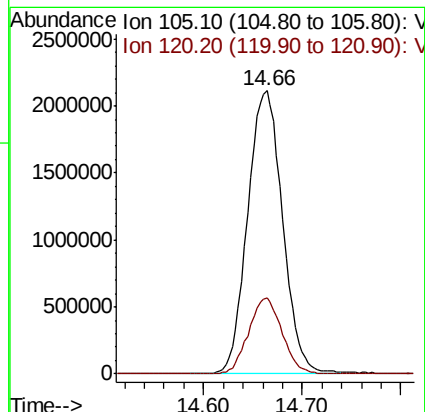
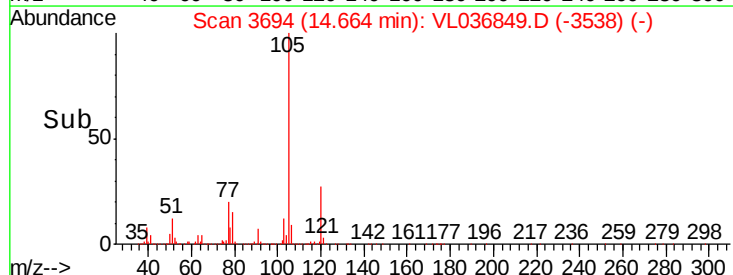
105 100

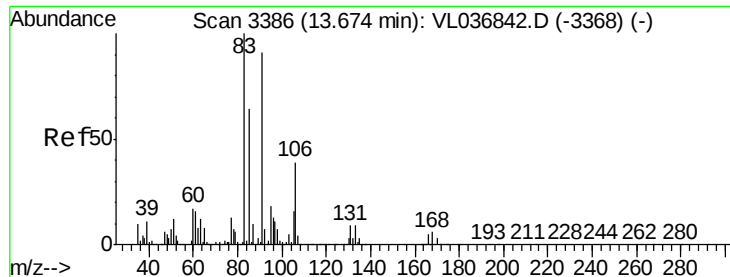
120 25.8 21.1 31.7



Abundance Ion 105.10 (104.80 to 105.80): V

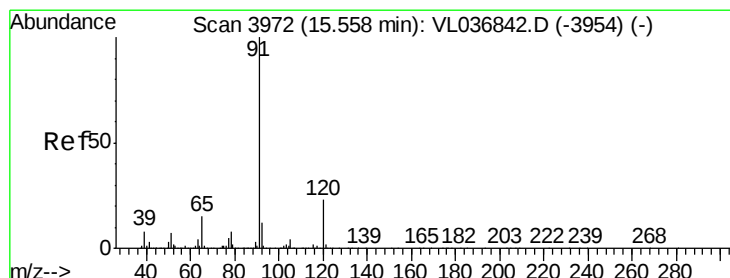
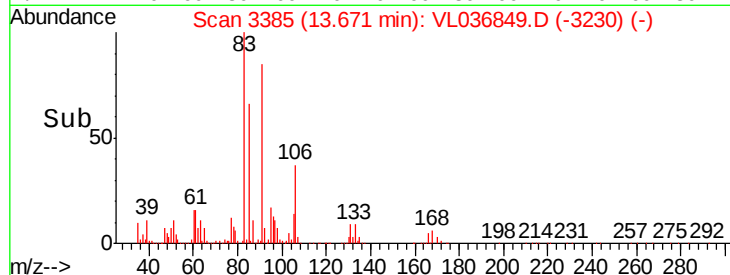
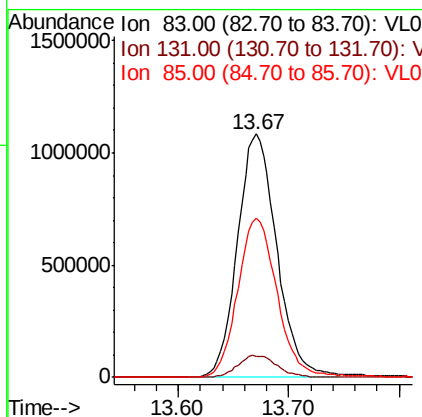
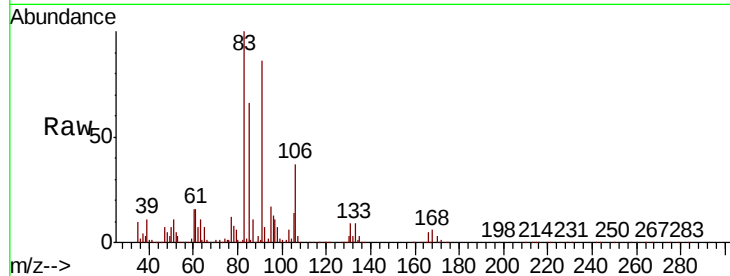
Ion 120.20 (119.90 to 120.90): V





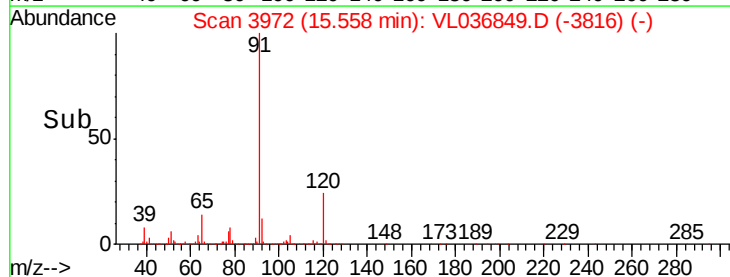
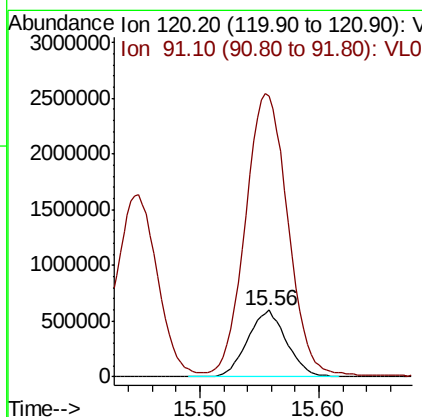
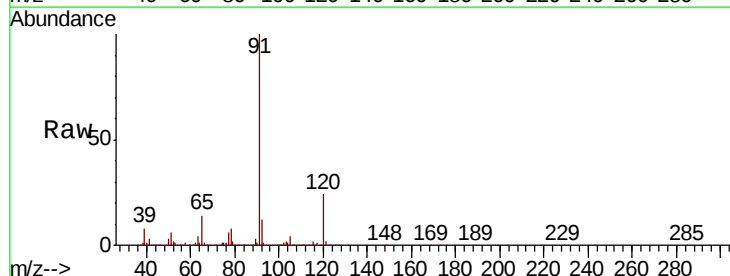
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.702 ppbv
 RT: 13.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 6:31

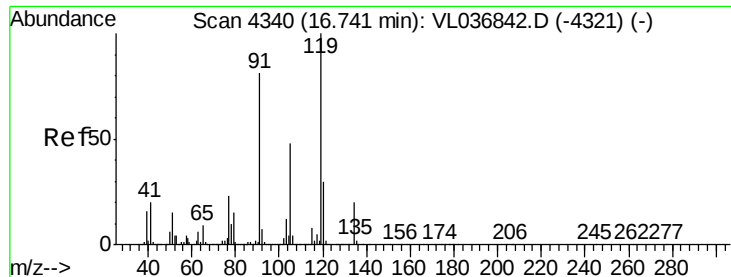
Tot Ion: 83 Resp: 2670531
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 66.0 32.8 98.4



#64
 n-propylbenzene
 Concen: 8.052 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T.: 0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

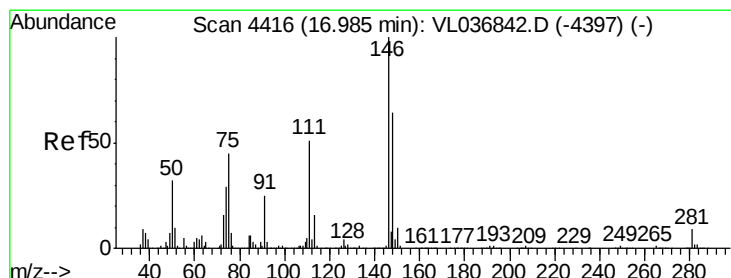
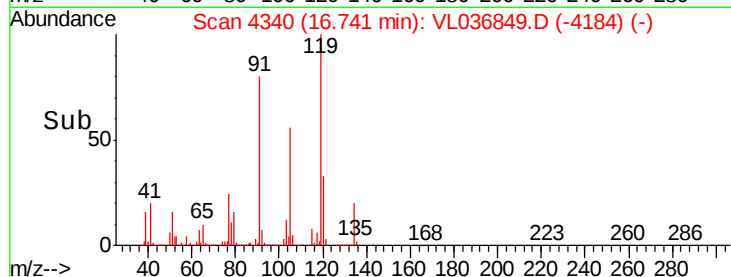
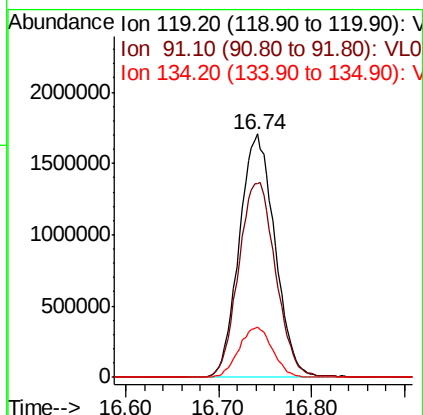
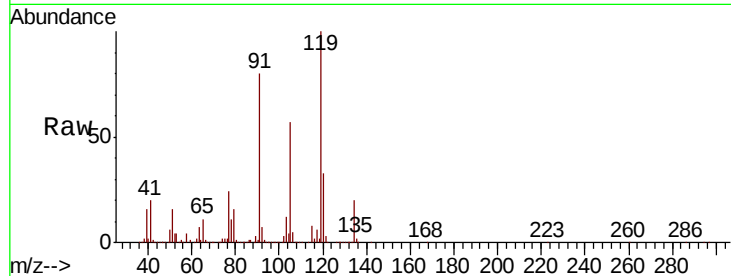
Tgt Ion: 120 Resp: 1357167
 Ion Ratio Lower Upper
 120 100
 91 465.8 378.6 567.8





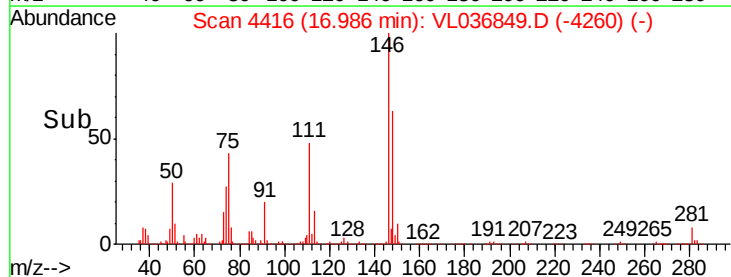
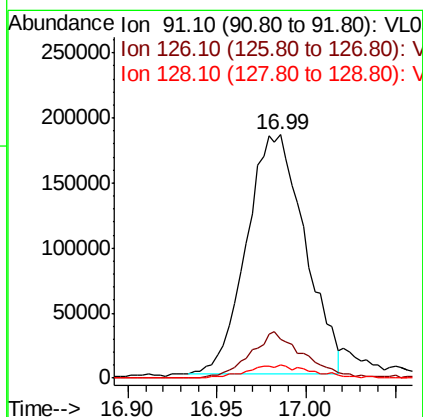
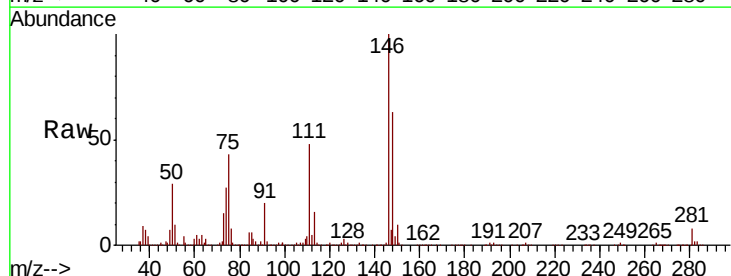
#65
 tert-Butylbenzene
 Concen: 7.608 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 6:31

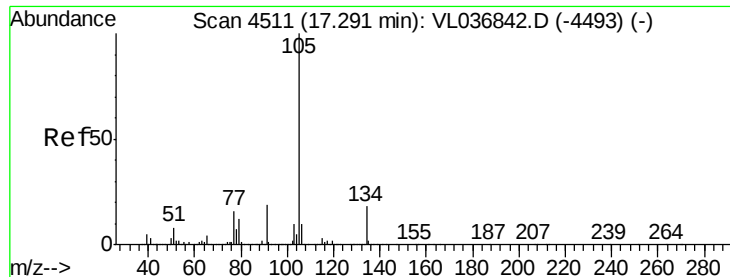
Tot Ion: 119 Resp: 4549598
 Ion Ratio Lower Upper
 119 100
 91 83.4 67.0 100.6
 134 19.6 15.8 23.6



#66
 Benzyl Chloride
 Concen: 7.197 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T.: 0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

Tgt Ion: 91 Resp: 420780
 Ion Ratio Lower Upper
 91 100
 126 18.5 14.1 21.1
 128 6.2 4.8 7.2





#67

sec-Butylbenzene

Concen: 7.690 ppbv

RT: 17.29 min

Delta R.T. MSVOA_L

Lab File:

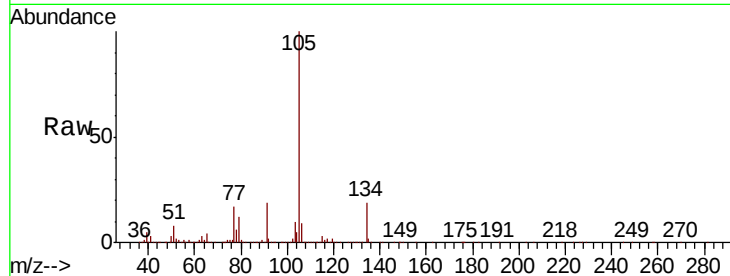
Acq: 27 Apr 2021 6:31

Tot Ion: 105 Resp: 6385444

Ion Ratio Lower Upper

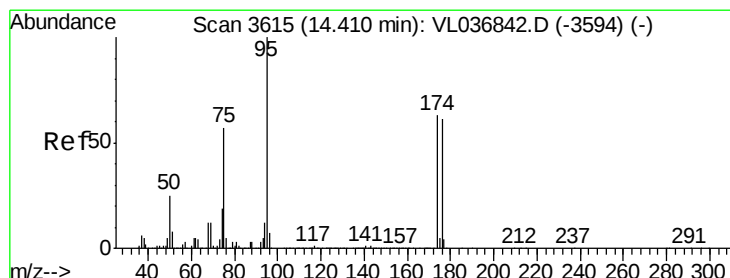
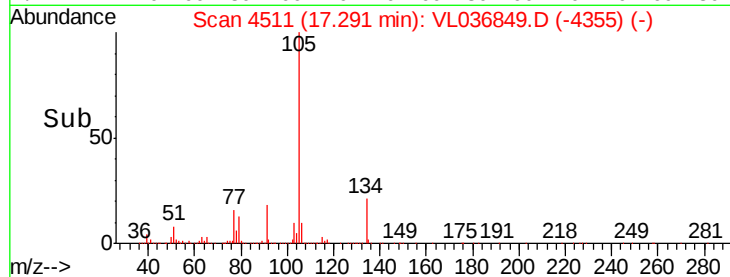
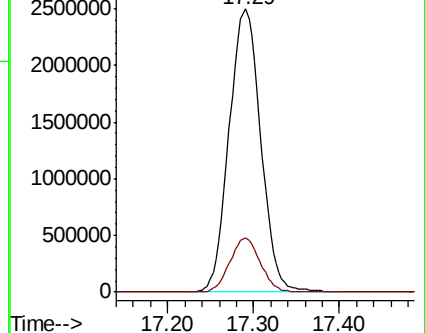
105 100

134 18.5 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.382 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

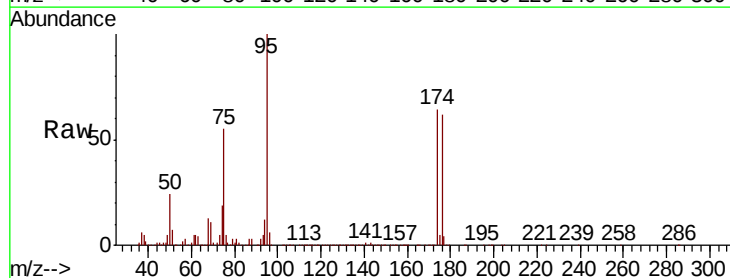
Tgt Ion: 95 Resp: 3051450

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

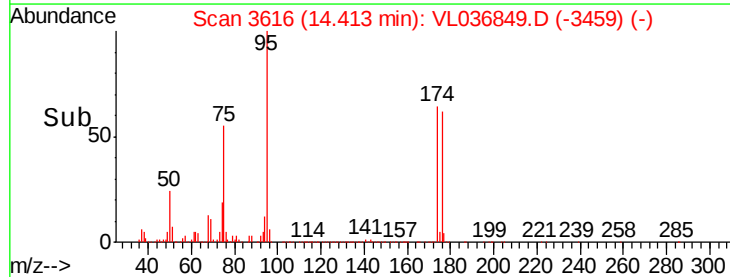
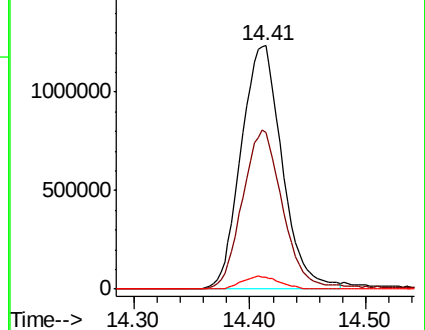
175 4.9 4.0 6.0

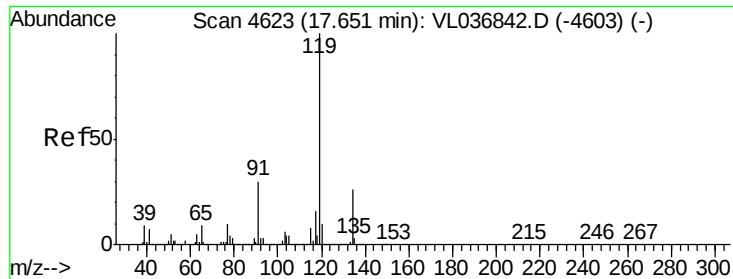


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

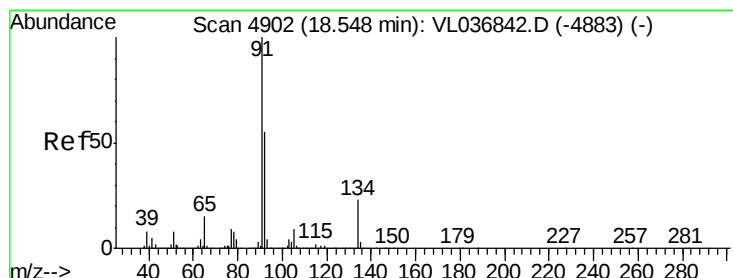
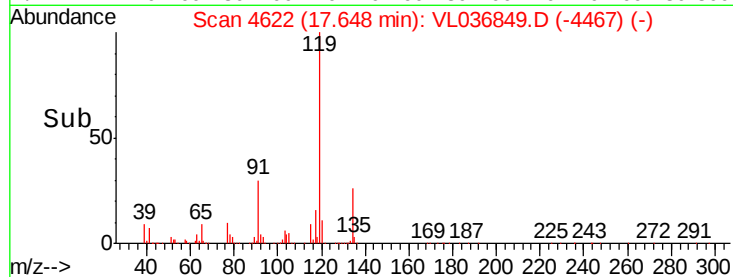
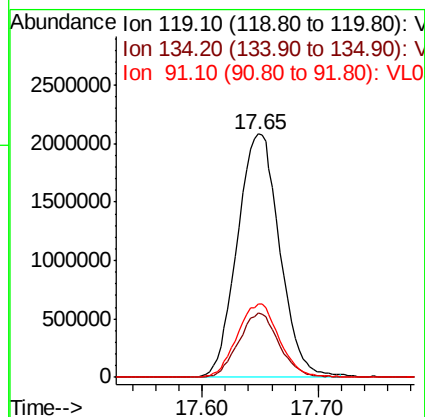
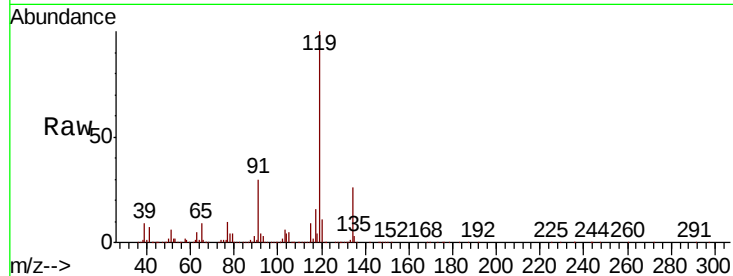
Ion 175.00 (174.70 to 175.70): V





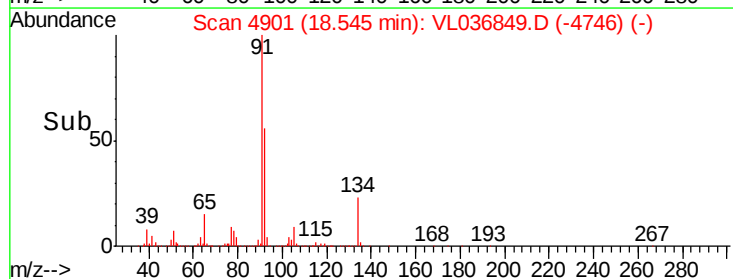
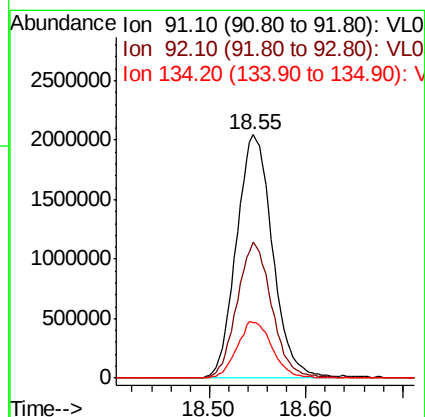
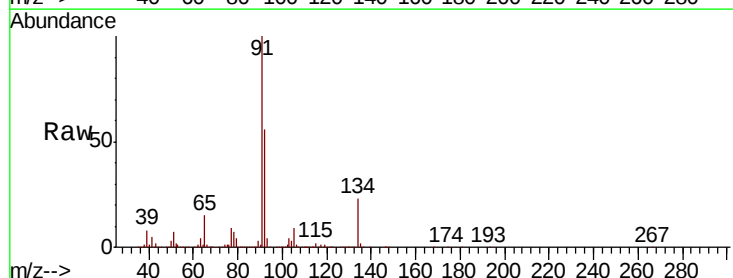
#69
 p-Isopropyltoluene
 Concen: 7.917 ppbv
 RT: 17.65 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 6:31

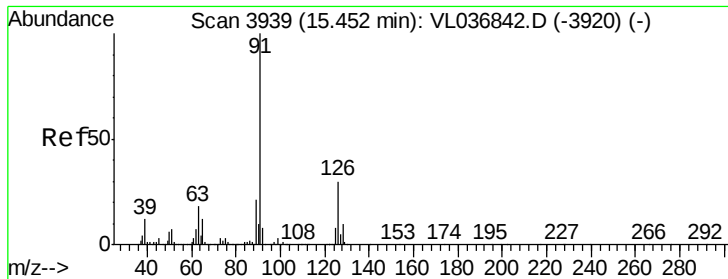
Tot Ion:	119	Resp:	5270337
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	31.0
91	30.2	24.2	36.4



#70
 n-Butylbenzene
 Concen: 7.911 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T.: -0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

Tgt Ion:	91	Resp:	5307748
Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.5	65.3
134	22.7	18.2	27.4





#71

2-Chlorotoluene

Concen: 7.865 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

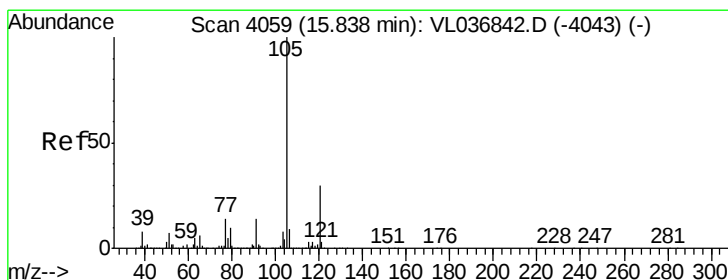
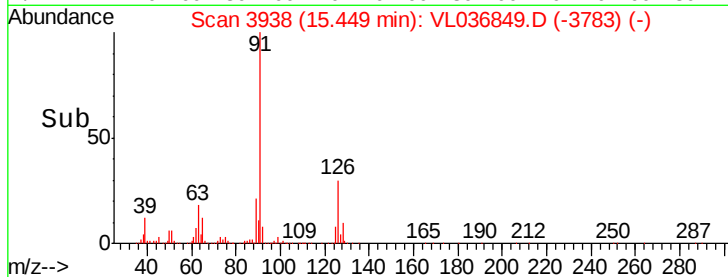
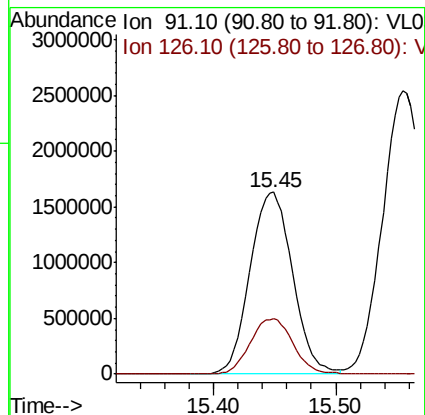
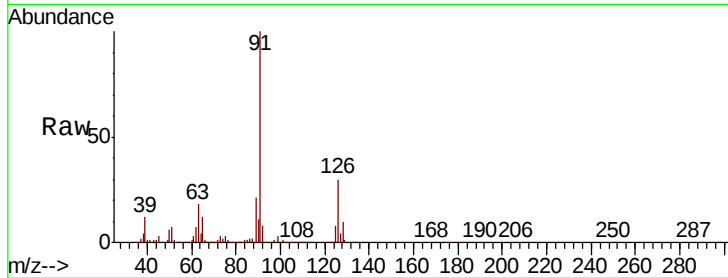
Acq: 27 Apr 2021 6:31

Tot Ion: 91 Resp: 3939565

Ion Ratio Lower Upper

91 100

126 31.0 12.3 49.3



#72

4-Ethyltoluene

Concen: 8.472 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. -0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

Tgt Ion:105 Resp: 4520042

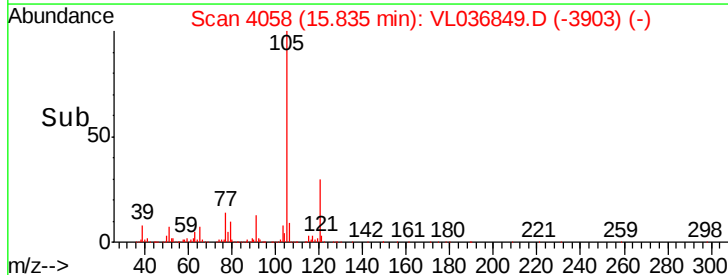
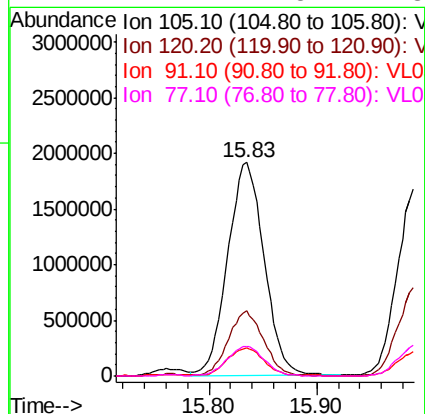
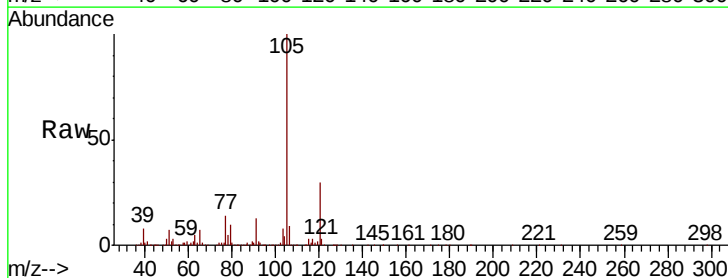
Ion Ratio Lower Upper

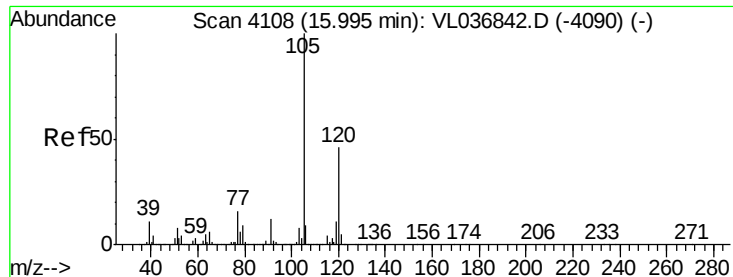
105 100

120 29.7 23.8 35.6

91 13.1 10.7 16.1

77 14.2 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 7.932 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

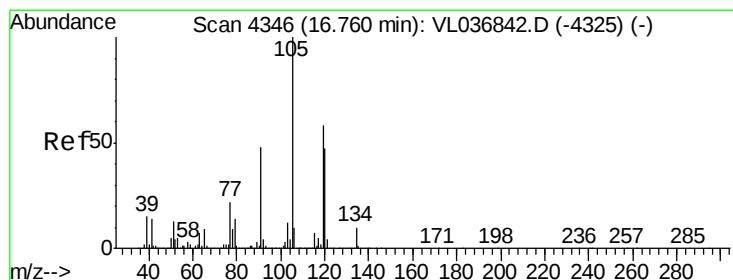
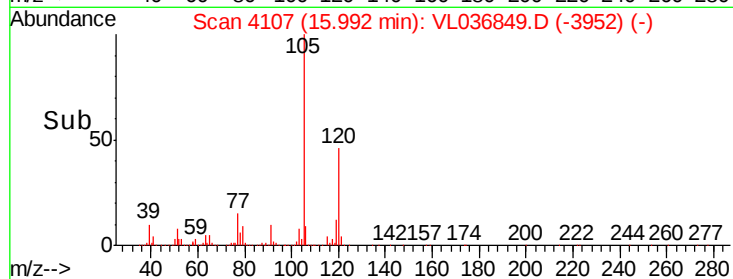
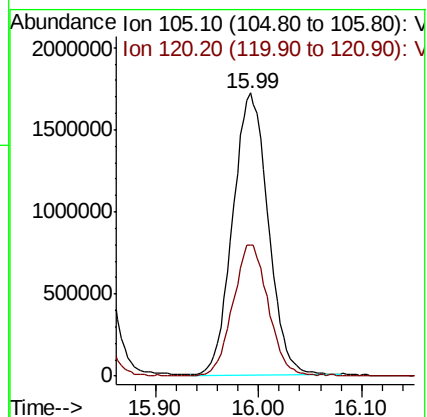
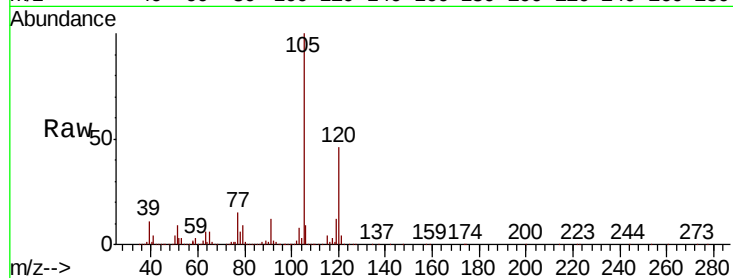
Acq: 27 Apr 2021 6:31

Tot Ion:105 Resp: 4104284

Ion Ratio Lower Upper

105 100

120 46.4 36.8 55.2



#74

1,2,4-Trimethylbenzene

Concen: 7.662 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

Tgt Ion:105 Resp: 4211249

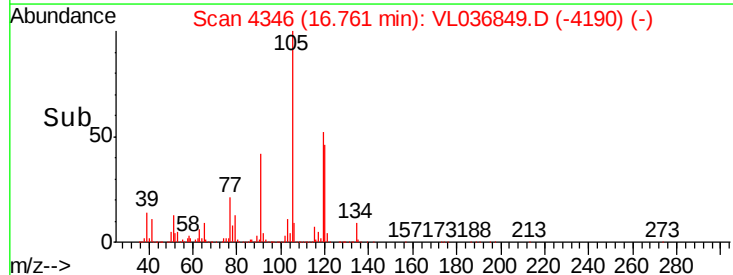
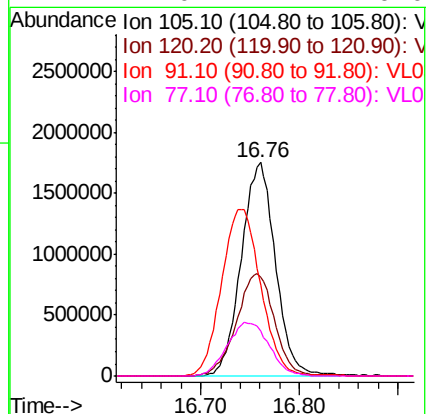
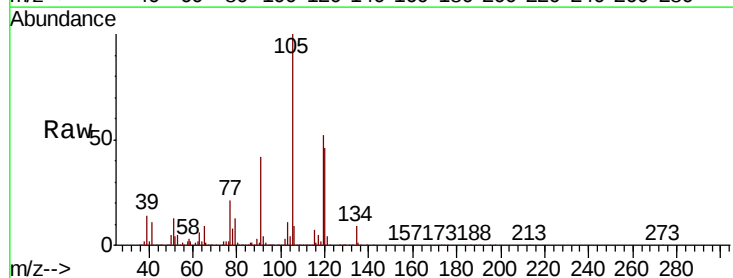
Ion Ratio Lower Upper

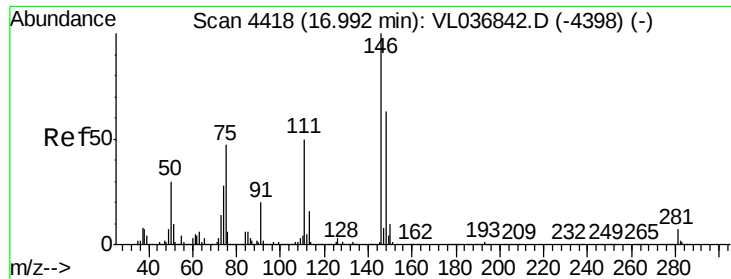
105 100

120 46.0 37.6 56.4

91 42.1 39.0 58.4

77 21.0 17.4 26.0

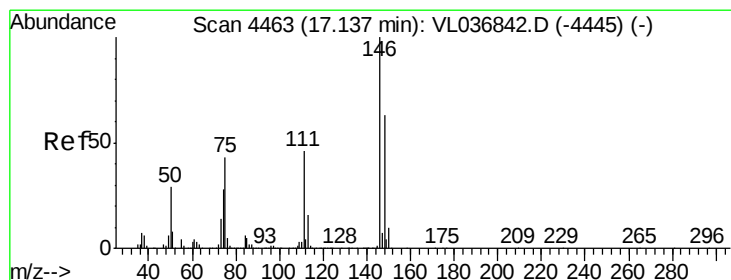
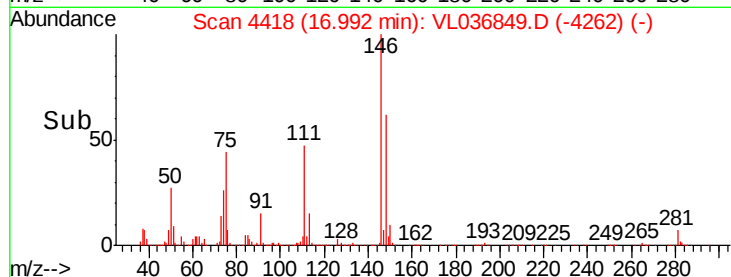
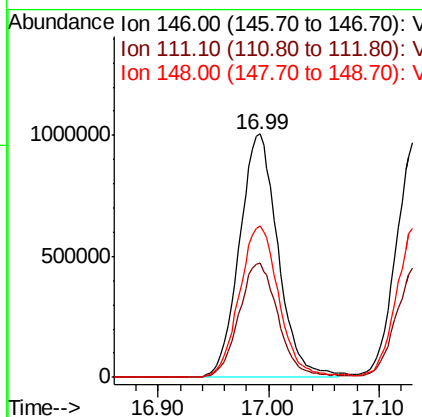
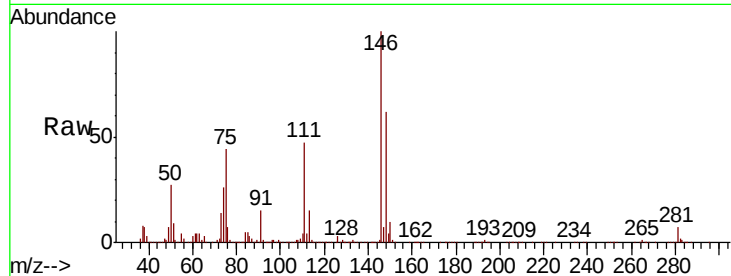




#75
 1,3-Dichlorobenzene
 Concen: 7.483 ppbv
 RT: 16.99 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 6:31

Tot Ion:146 Resp: 2431174

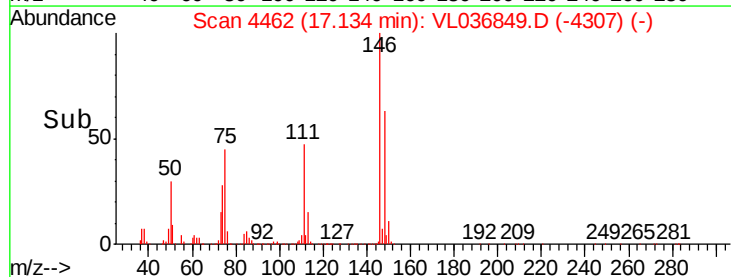
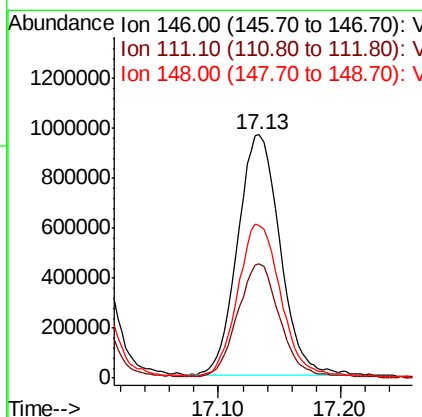
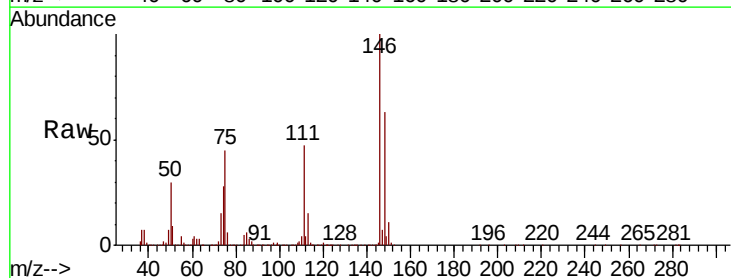
Ion	Ratio	Lower	Upper
146	100		
111	47.9	24.2	72.6
148	63.9	32.1	96.3

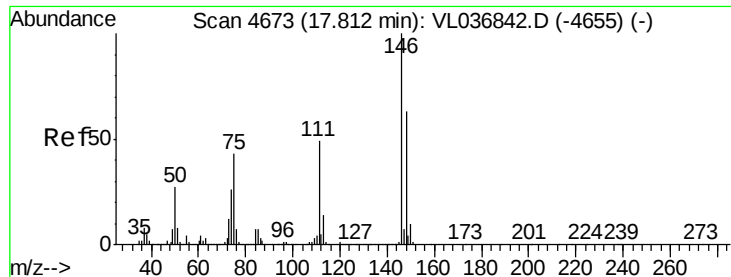


#76
 1,4-Dichlorobenzene
 Concen: 7.250 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T.: -0.00 min
 Lab File: VL036849.D
 Acq: 27 Apr 2021 6:31

Tgt Ion:146 Resp: 2305242

Ion	Ratio	Lower	Upper
146	100		
111	48.2	24.3	72.8
148	66.6	32.4	97.0





#77

1,2-Dichlorobenzene

Concen: 7.310 ppbv

RT: 17.81 min

Delta R.T. MSVOA_L

Lab File:

Acq: 27 Apr 2021 6:31

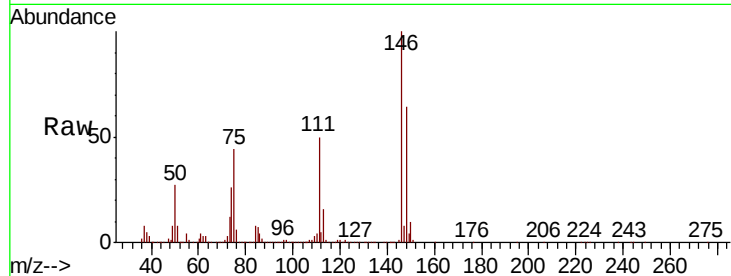
Tot Ion:146 Resp: 2319903

Ion Ratio Lower Upper

146 100

111 50.3 25.0 75.0

148 65.6 32.4 97.0

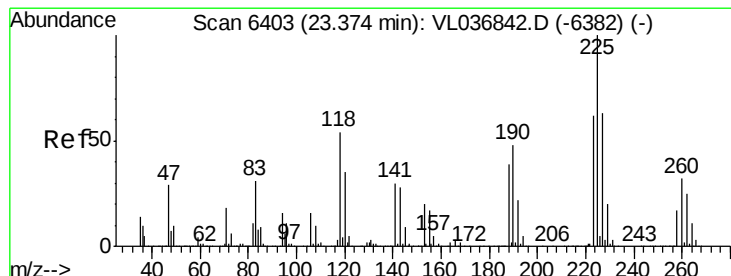
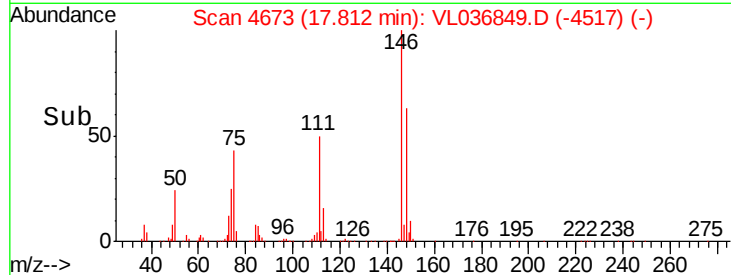
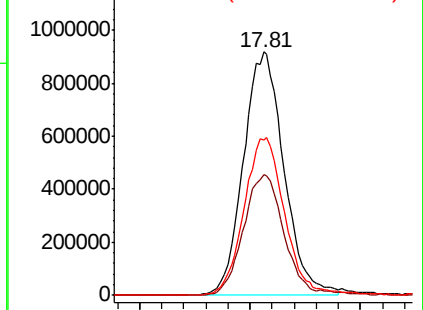


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.454 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. 0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

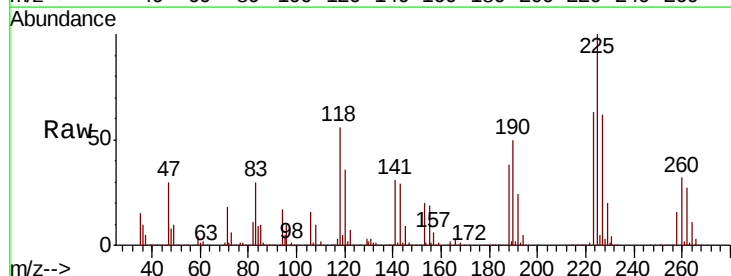
Tgt Ion:225 Resp: 1740447

Ion Ratio Lower Upper

225 100

223 64.5 51.2 76.8

227 65.6 51.8 77.6

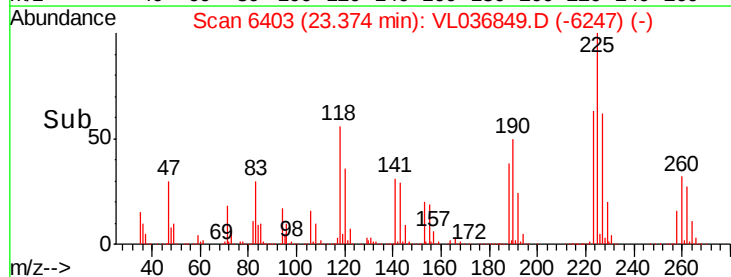
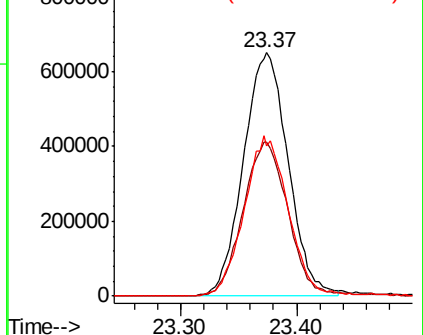


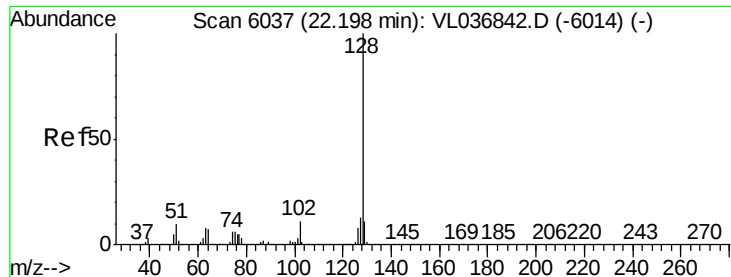
Abundance

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: 8.724 ppbv

RT: 22.20 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 6:31

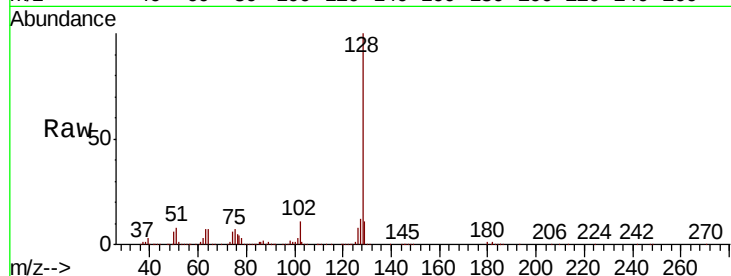
Tot Ion:128 Resp: 2685480

Ion Ratio Lower Upper

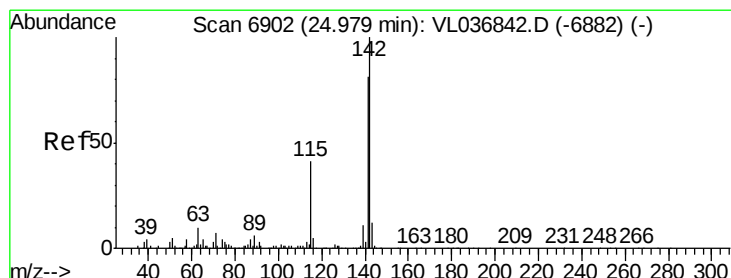
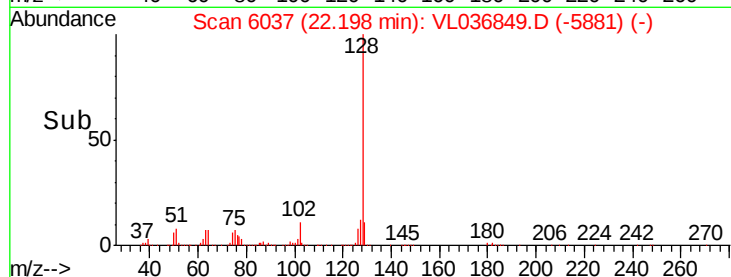
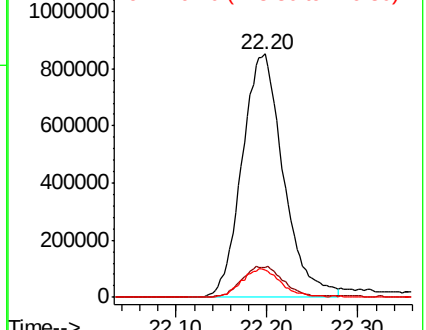
128 100

127 12.4 10.6 15.8

129 11.2 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: 10.128 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.00 min

Lab File: VL036849.D

Acq: 27 Apr 2021 6:31

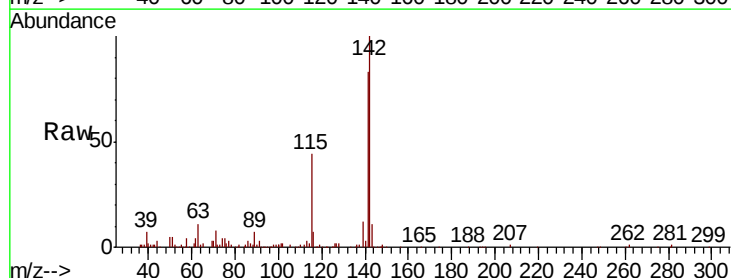
Tgt Ion:142 Resp: 343798

Ion Ratio Lower Upper

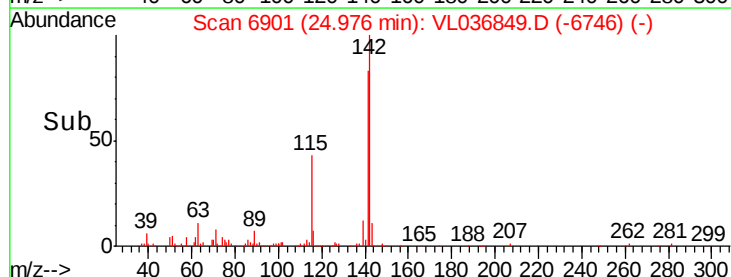
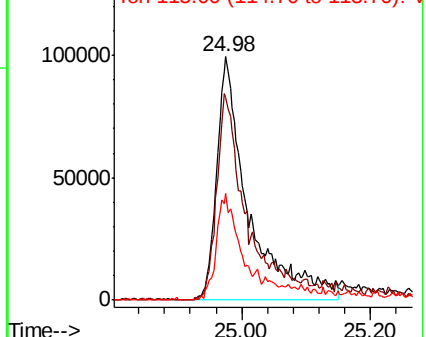
142 100

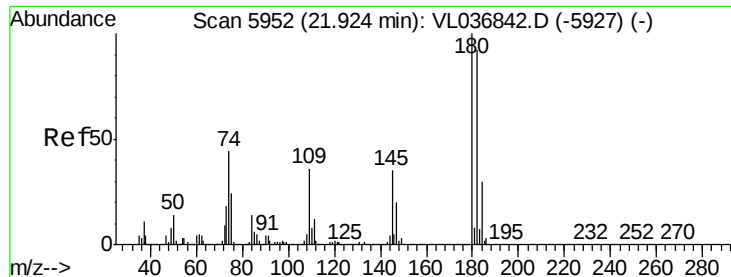
141 81.5 62.6 93.8

115 41.9 32.0 48.0



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: 7.712 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 8:31

Tot Ion:180 Resp: 1535633
 Ion Ratio Lower Upper
 180 100
 182 102.9 80.9 121.3
 184 32.0 25.3 37.9

