

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036479.D
 Acq On : 25 Mar 2021 9:05
 Operator :
 Sample : VL0325ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 03:48:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1596629	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3863866	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4360709	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2966050	8.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2393708	9.192	ppbv 99
3) Chlorodifluoromethane	2.98	51	2643863	8.863	ppbv 100
4) Chloromethane	3.13	50	949175	9.008	ppbv 98
5) Vinyl Chloride	3.25	62	961467	8.874	ppbv 100
6) Bromomethane	3.47	94	534639	8.963	ppbv 95
7) Chloroethane	3.55	64	340037	9.134	ppbv 98
8) Dichlorotetrafluoroethane	3.18	85	2256080	9.077	ppbv 99
9) Propene	3.01	41	906396	9.531	ppbv 98
10) Heptane	8.12	43	2282164	9.420	ppbv 99
11) Trichlorofluoromethane	3.94	101	2410790	9.084	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1580934	9.317	ppbv 97
13) Ethanol	3.60	45	32613	2.880	ppbv # 1
14) Bromoethene	3.74	108	672111	9.528	ppbv 97
15) Acetone	3.85	43	1283351	8.167	ppbv 99
16) 1,3-Butadiene	3.32	39	1009653	9.229	ppbv 99
17) tert-Butyl alcohol	4.29	59	1221792	8.931	ppbv 98
18) 1,1-Dichloroethene	4.29	96	676397	8.962	ppbv 91
19) Isopropyl Alcohol	3.96	45	699278	8.089	ppbv 99
20) Methylene Chloride	4.34	84	561235	7.628	ppbv 92
21) Allyl Chloride	4.41	41	1140749	9.106	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	637263	9.107	ppbv 91
23) Vinyl Acetate	5.07	43	2452671	9.124	ppbv 100
24) 1,1-Dichloroethane	5.01	63	1807818	9.227	ppbv # 99
25) Ethyl Acetate	5.68	43	3391360	9.077	ppbv 99
26) Hexane	5.69	57	1595362	9.202	ppbv 100
27) Carbon Disulfide	4.55	76	1713592	10.033	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1871724	9.154	ppbv 99
29) Chloroform	5.75	83	2516297	9.075	ppbv 99
30) Cyclohexane	7.13	84	1339485	9.526	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1589338	9.478	ppbv 95
32) 1,1,1-Trichloroethane	6.51	97	2481905	8.882	ppbv 98
34) 2-Butanone	5.24	43	1714811	9.092	ppbv 99
35) Carbon Tetrachloride	7.02	117	2618968	8.825	ppbv 99
36) Benzene	6.89	78	3248959	9.117	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1903330	9.075	ppbv 100
38) Trichloroethene	7.83	130	1147325	8.273	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1297120	8.973	ppbv 97
40) 1,4-Dioxane	7.83	88	263623	7.836	ppbv 68
41) Tetrahydrofuran	6.05	42	806126	9.270	ppbv 99
42) Bromodichloromethane	7.79	83	2663480	9.336	ppbv 99
43) Methyl Methacrylate	8.01	69	1199125	10.021	ppbv 99

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5514978	8.793	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1306094	9.559	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1619776	9.274	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1300908	8.885	ppbv	99
48) Dibromochloromethane	10.30	129	2150089	9.633	ppbv	99
49) Bromoform	13.04	173	1668850	9.280	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2640925	9.677	ppbv	99
51) 2-Hexanone	10.14	43	1441166	10.464	ppbv #	100
52) Tetrachloroethene	11.22	164	1075383	8.195	ppbv	98
53) Toluene	9.80	91	3619718	9.538	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1843527	8.916	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1436223	7.282	ppbv #	57
57) Chlorobenzene	12.14	112	2600273	7.008	ppbv	98
58) Ethyl Benzene	12.71	91	4804036	7.572	ppbv	98
59) m/p-Xylene	13.00	91	3782975	6.836	ppbv #	23
60) o-Xylene	13.69	91	3758323	7.024	ppbv	99
61) Styrene	13.53	104	2232722	8.295	ppbv	99
62) Isopropylbenzene	14.67	105	5131317	7.122	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2610513	6.396	ppbv	100
64) n-propylbenzene	15.56	120	1332462	7.564	ppbv	100
65) tert-Butylbenzene	16.74	119	4391292	7.028	ppbv	100
66) Benzyl Chloride	16.99	91	521724	7.555	ppbv	98
67) sec-Butylbenzene	17.29	105	6176983	7.004	ppbv	100
69) p-Isopropyltoluene	17.65	119	5114853	7.427	ppbv	100
70) n-Butylbenzene	18.55	91	5324511	7.457	ppbv	100
71) 2-Chlorotoluene	15.45	91	3915070	7.251	ppbv	100
72) 4-Ethyltoluene	15.84	105	4231837	7.218	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3973219	7.261	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4081820	6.971	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2255336	6.843	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	2188634	6.688	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2143760	6.919	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1874362	6.755	ppbv	99
79) Naphthalene	22.19	128	3395985	9.939	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	849090	12.601	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	1805932	8.560	ppbv	97

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

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MSVOA_L
ClientSampleId :

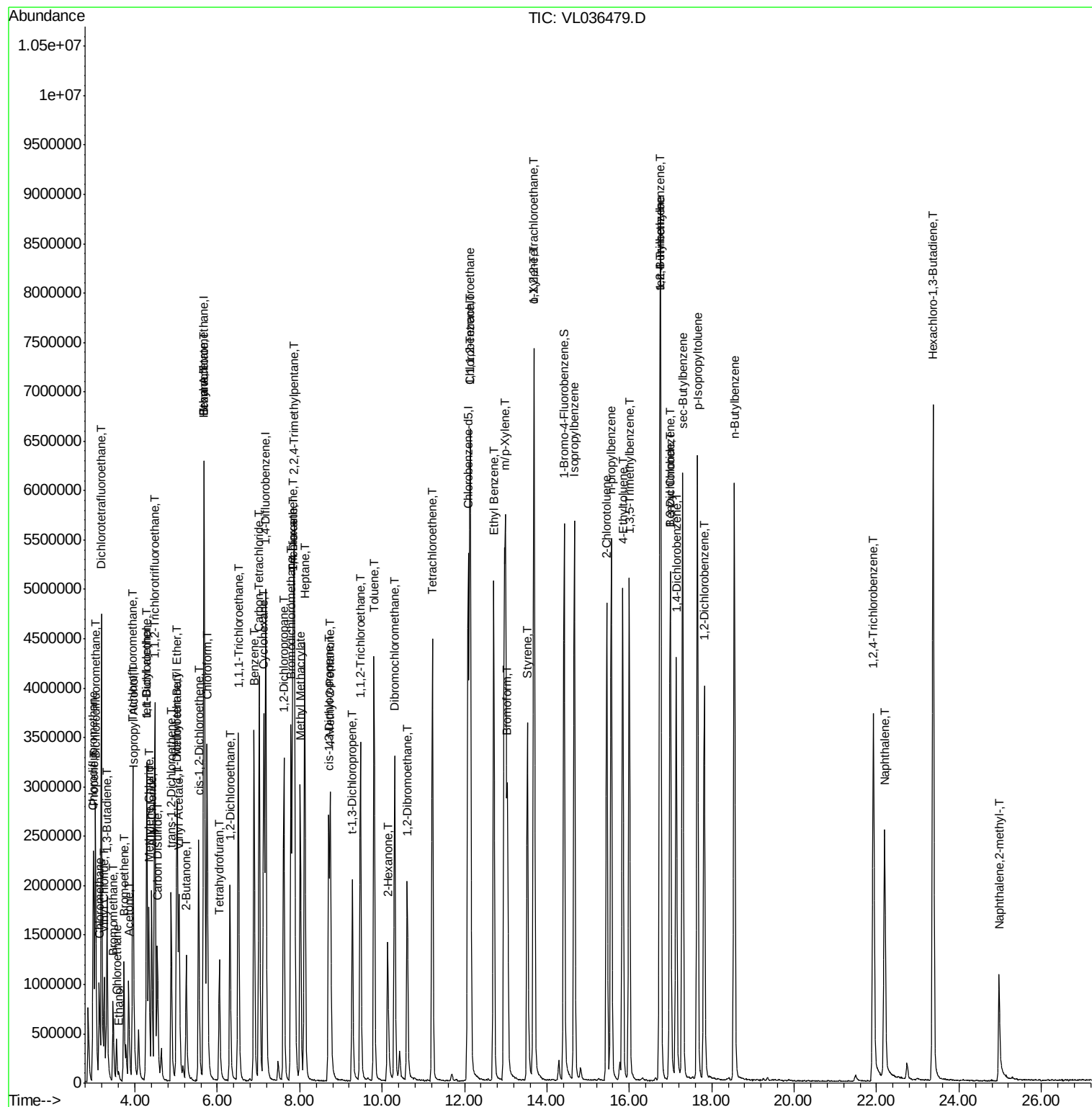
Quant Time: Mar 26 03:48:10 2021

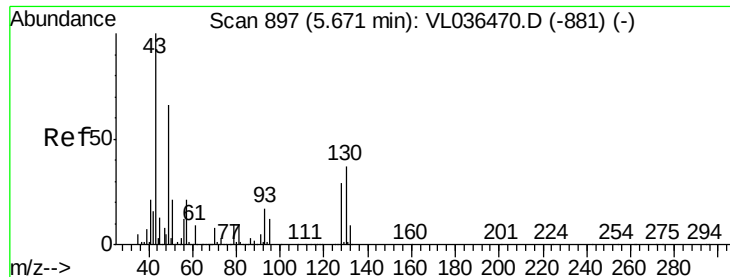
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M

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QLast Update : Thu Mar 25 09:42:40 2021

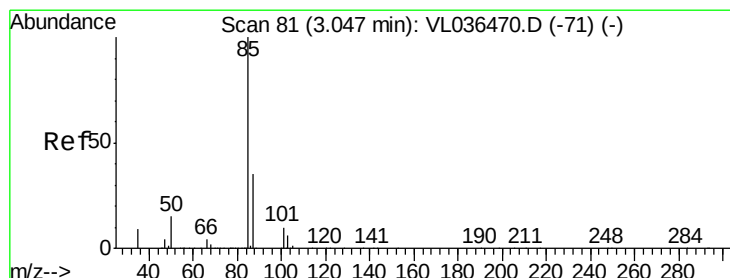
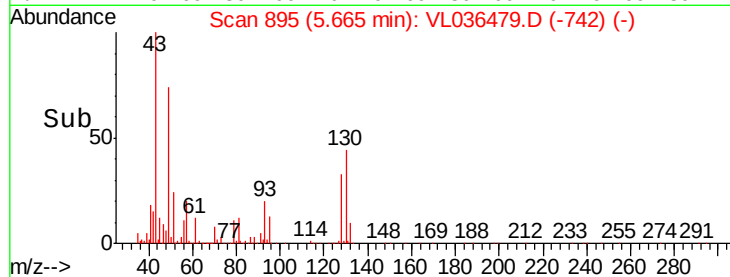
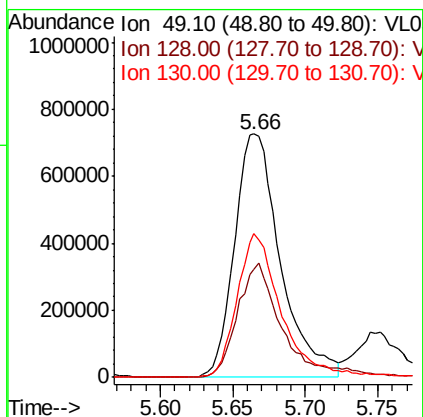
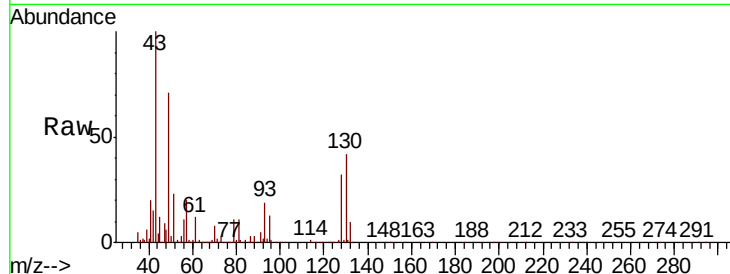
Response via : Initial Calibration





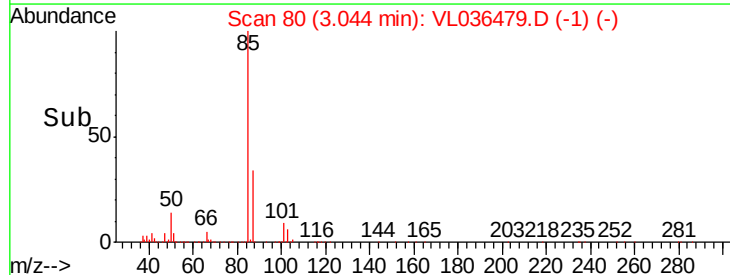
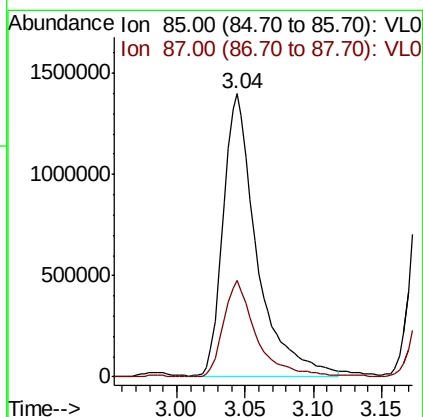
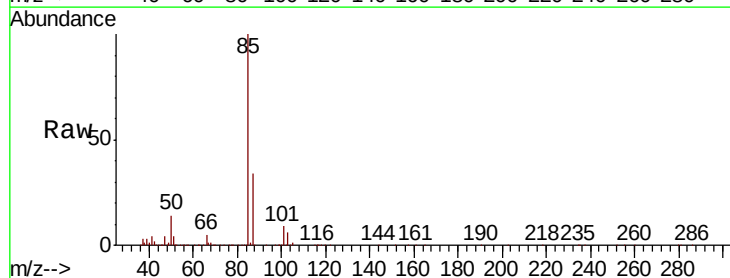
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 9:05

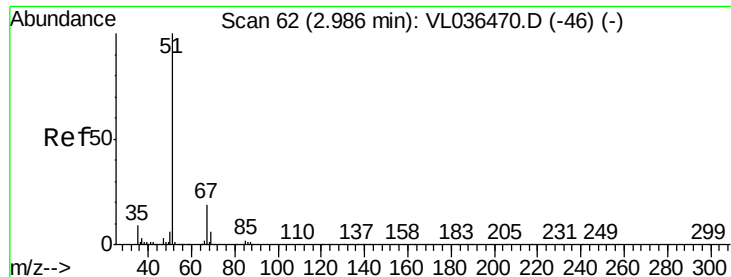
Tot Ion: 49 Resp: 1596629
 Ion Ratio Lower Upper
 49 100
 128 46.8 23.5 70.6
 130 57.7 29.1 87.4



#2
 Dichlorodifluoromethane
 Concen: 9.192 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. -0.00 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

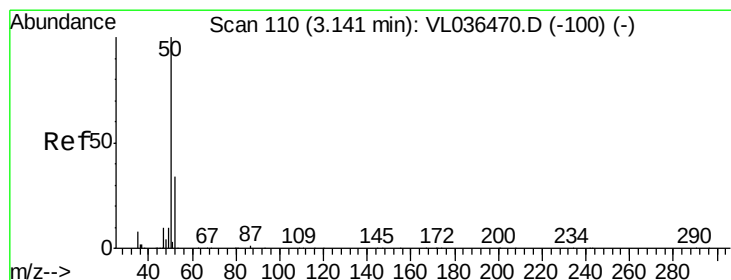
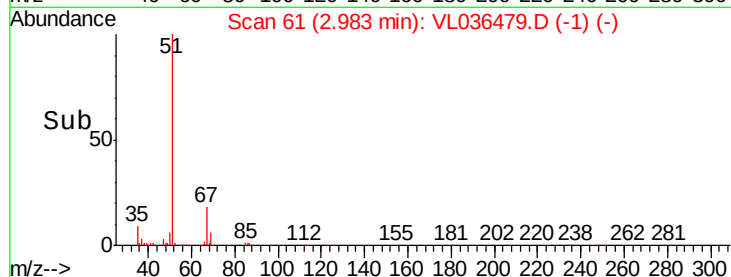
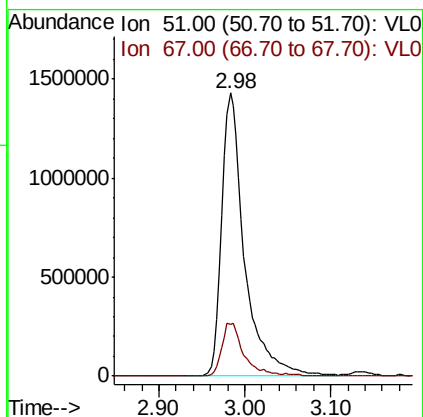
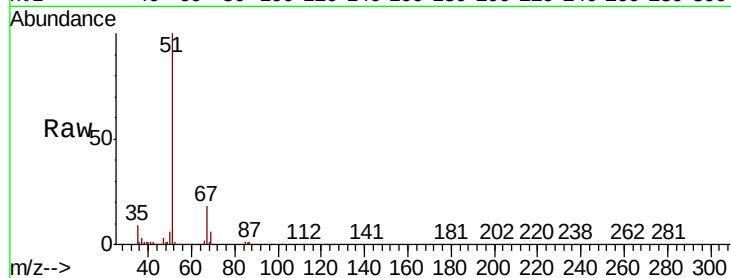
Tgt Ion: 85 Resp: 2393708
 Ion Ratio Lower Upper
 85 100
 87 34.3 27.8 41.8





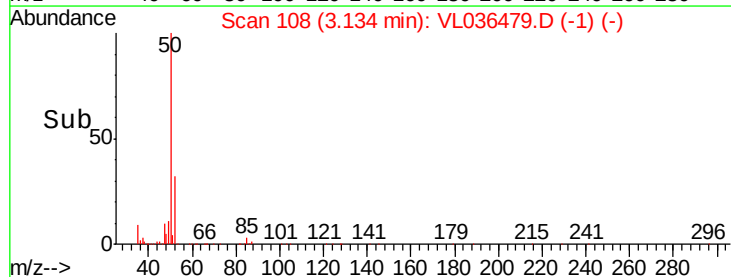
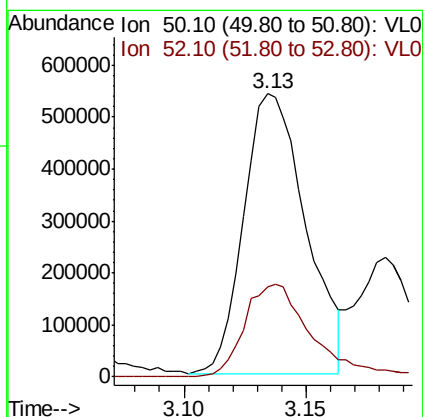
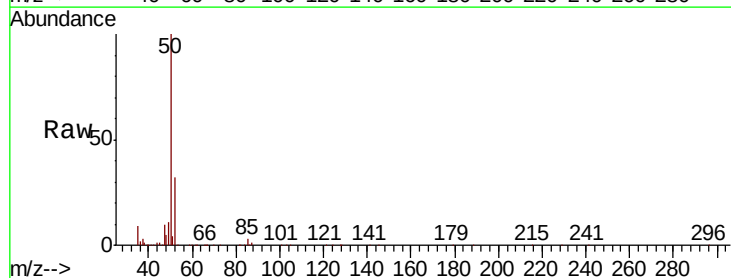
#3
 Chlorodifluoromethane
 Concen: 8.863 ppbv
 RT: 2.98
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 9:05

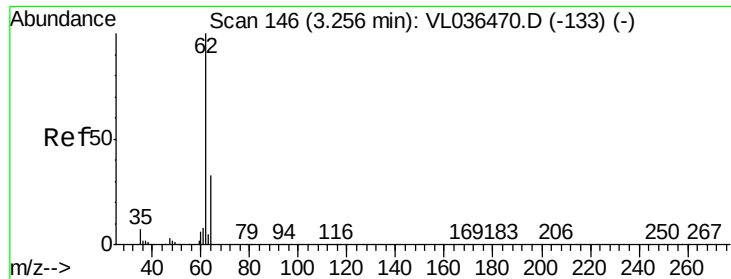
Tot Ion: 51 Resp: 2643863
 Ion Ratio Lower Upper
 51 100
 67 18.5 14.7 22.1



#4
 Chloromethane
 Concen: 9.008 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

Tgt Ion: 50 Resp: 949175
 Ion Ratio Lower Upper
 50 100
 52 32.4 27.0 40.6





#5

Vinyl Chloride

Concen: 8.874 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

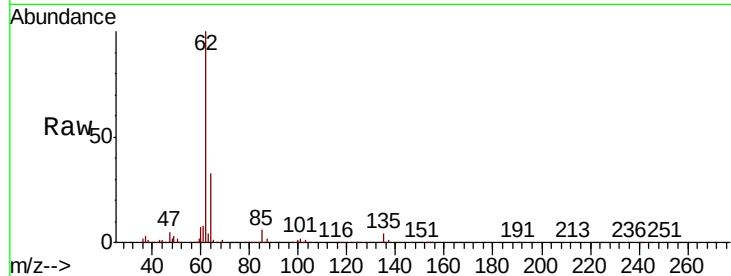
Acq: 25 Mar 2021 9:05

Tot Ion: 62 Resp: 961467

Ion Ratio Lower Upper

62 100

64 33.2 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

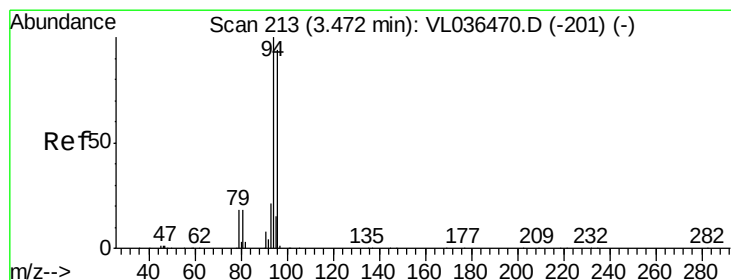
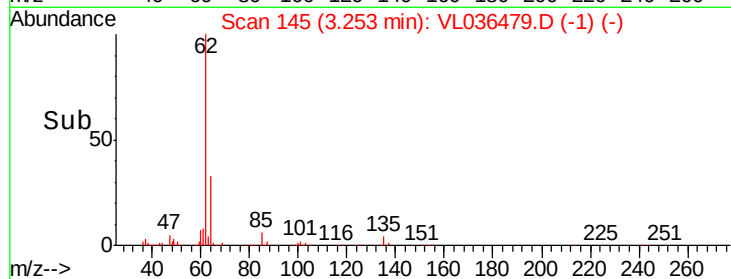
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 8.963 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL036479.D

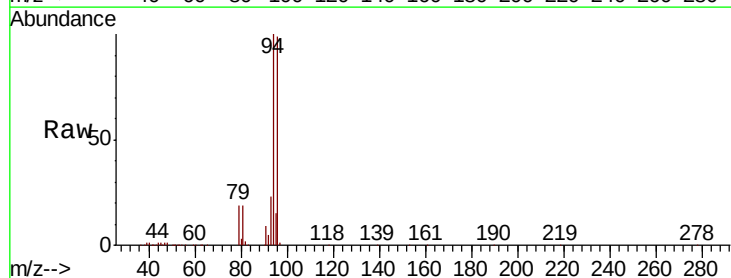
Acq: 25 Mar 2021 9:05

Tgt Ion: 94 Resp: 534639

Ion Ratio Lower Upper

94 100

96 98.6 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

300000

250000

200000

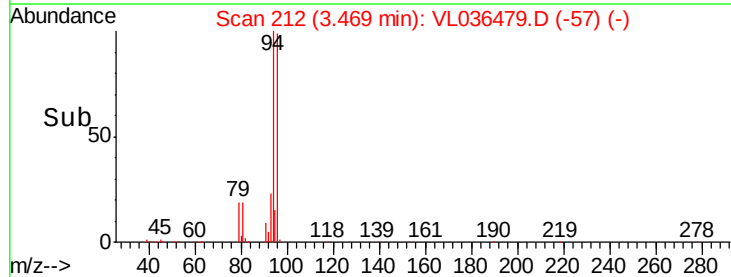
150000

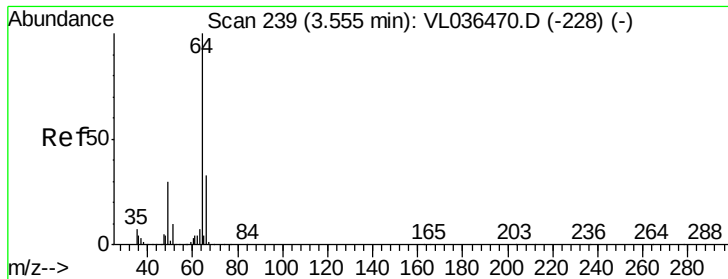
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.134 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

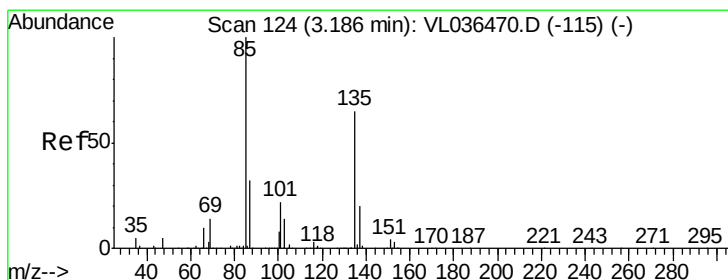
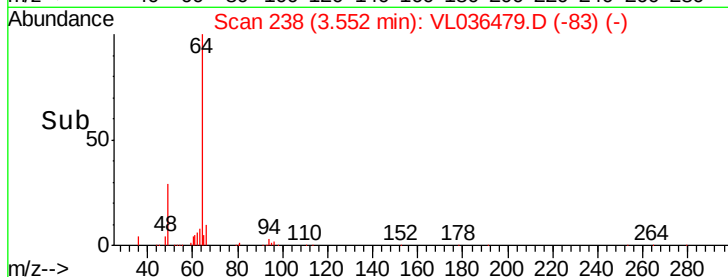
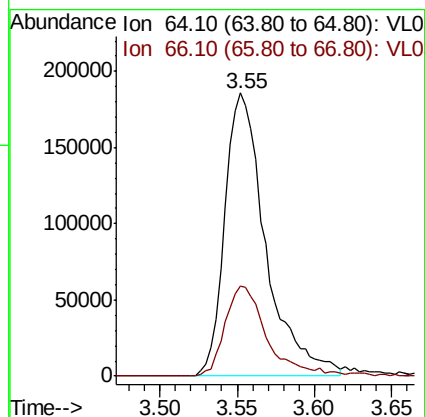
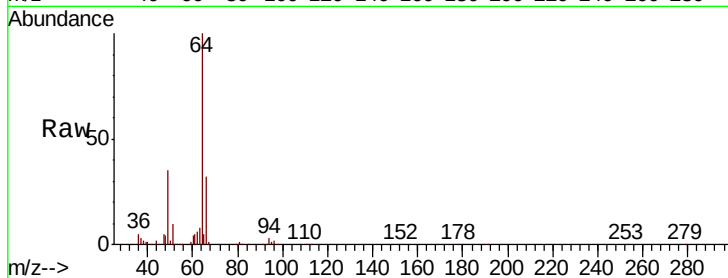
Acq: 25 Mar 2021 9:05

Tot Ion: 64 Resp: 340037

Ion Ratio Lower Upper

64 100

66 31.7 26.2 39.2



#8

Dichlorotetrafluoroethane

Concen: 9.077 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL036479.D

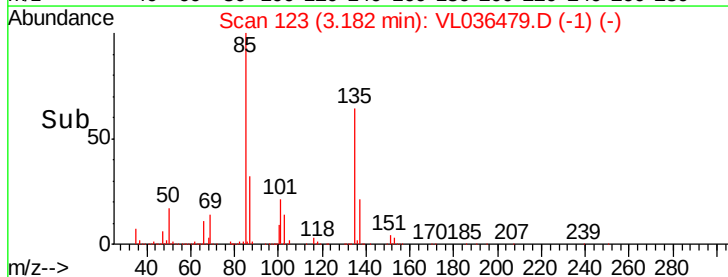
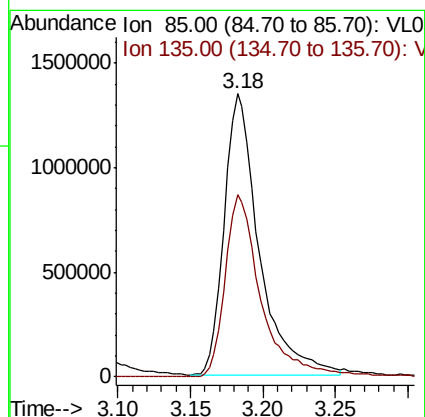
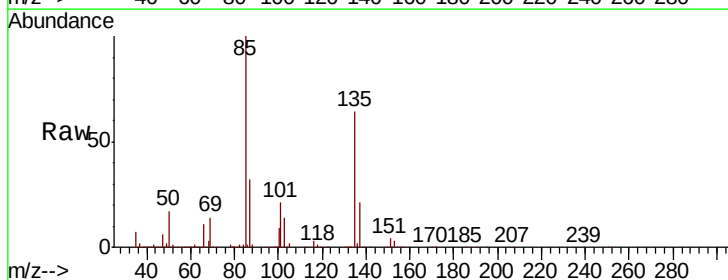
Acq: 25 Mar 2021 9:05

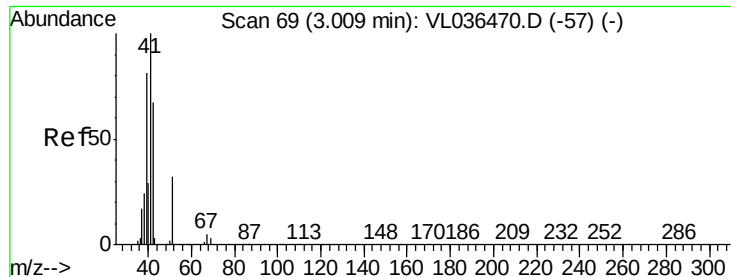
Tgt Ion: 85 Resp: 2256080

Ion Ratio Lower Upper

85 100

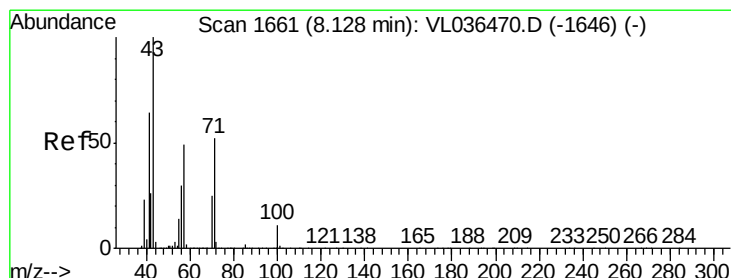
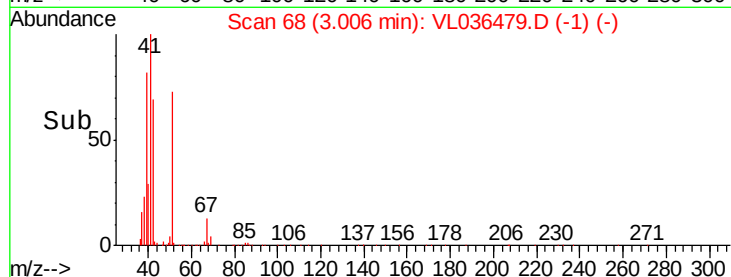
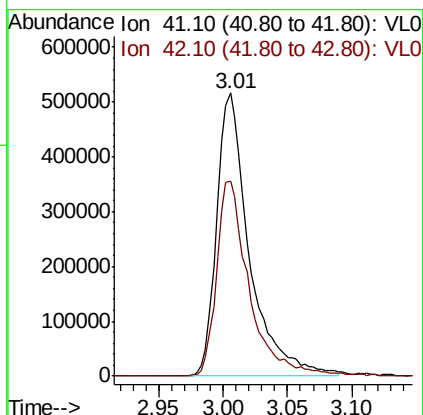
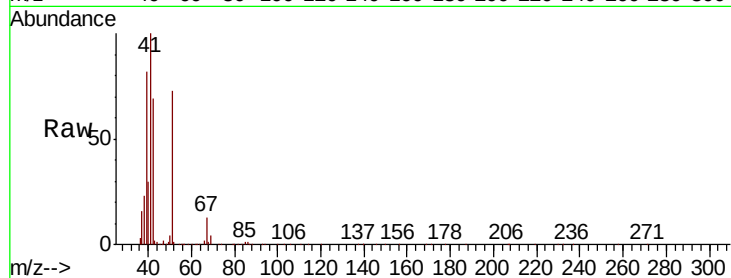
135 67.2 54.3 81.5





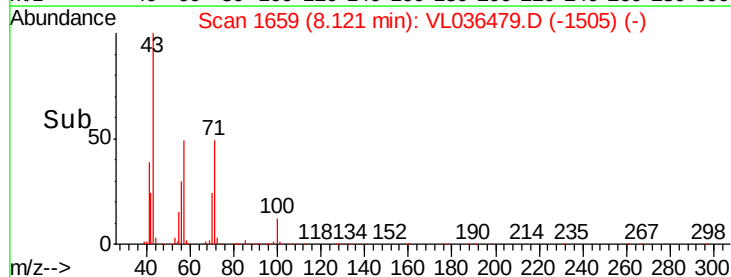
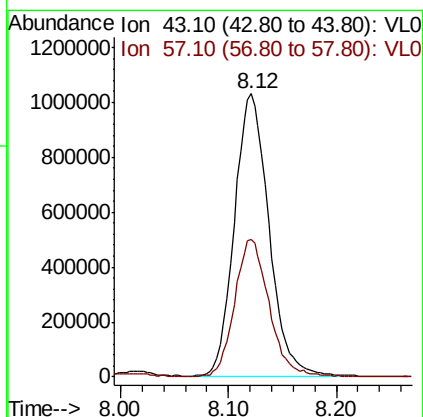
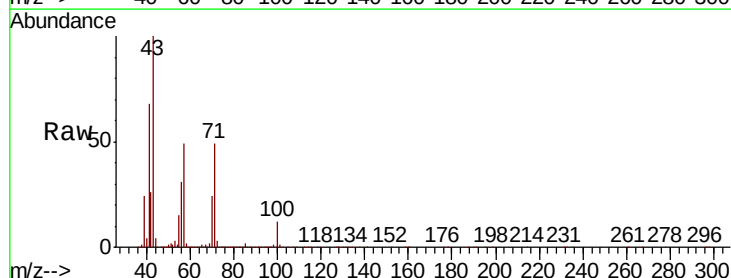
#9
 Propene
 Concen: 9.531 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 9:05

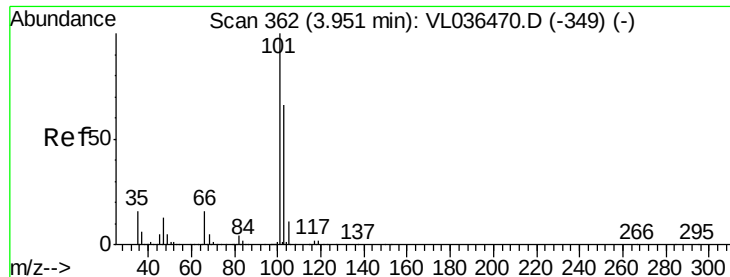
Tot Ion: 41 Resp: 906396
 Ion Ratio Lower Upper
 41 100
 42 69.7 57.0 85.4



#10
 Heptane
 Concen: 9.420 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. -0.01 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

Tgt Ion: 43 Resp: 2282164
 Ion Ratio Lower Upper
 43 100
 57 49.2 39.0 58.6





#11

Trichlorofluoromethane

Concen: 9.084 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

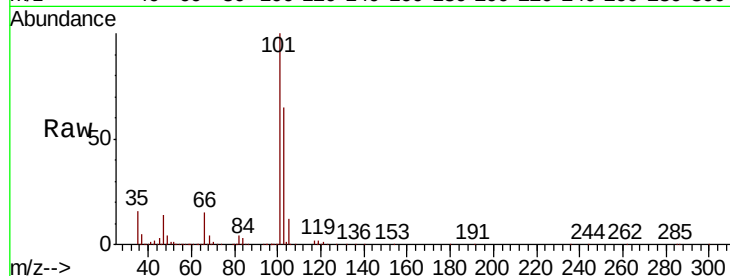
Acq: 25 Mar 2021 9:05

Tot Ion:101 Resp: 2410790

Ion Ratio Lower Upper

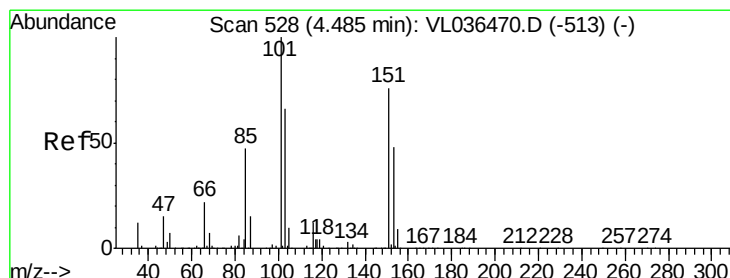
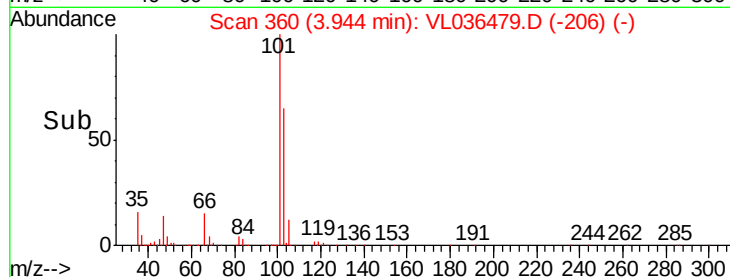
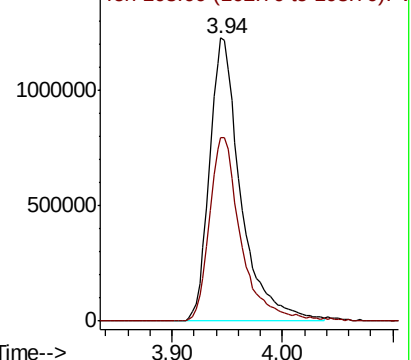
101 100

103 64.9 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: 9.317 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL036479.D

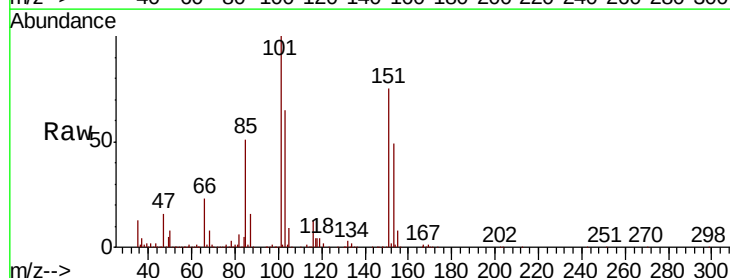
Acq: 25 Mar 2021 9:05

Tgt Ion:101 Resp: 1580934

Ion Ratio Lower Upper

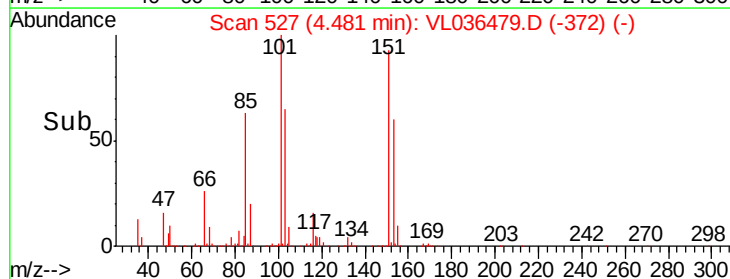
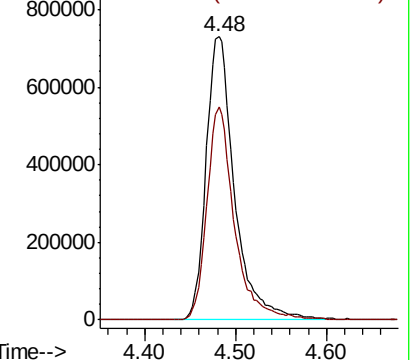
101 100

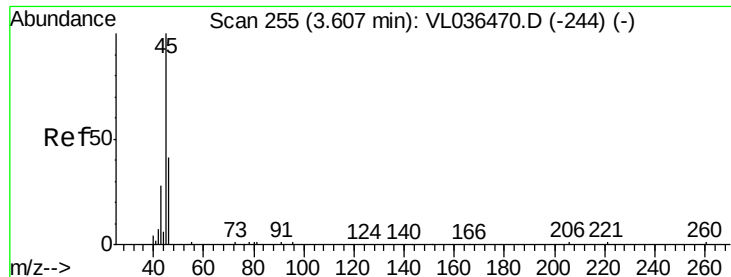
151 73.4 60.9 91.3



Abundance Ion 101.00 (100.70 to 101.70): V

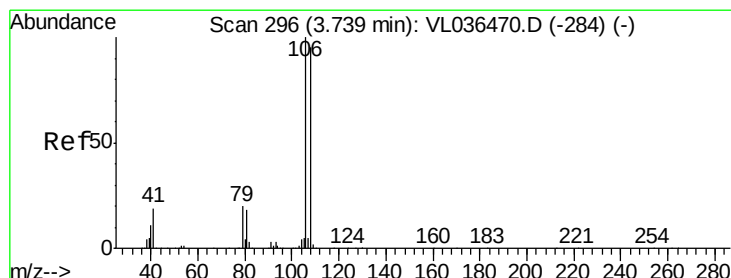
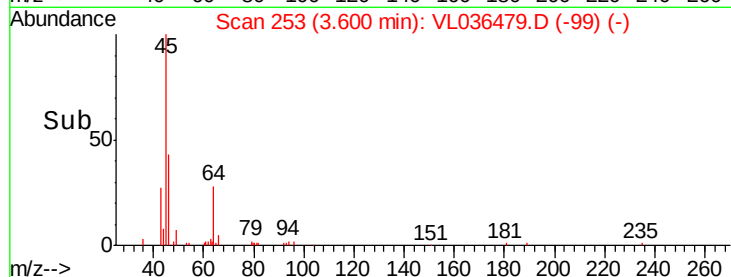
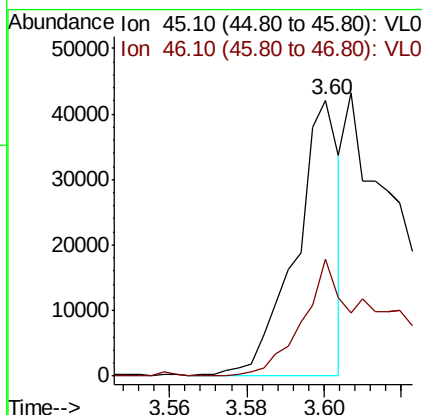
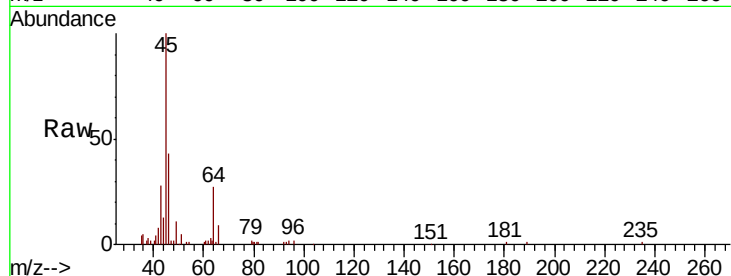
Ion 151.00 (150.70 to 151.70): V





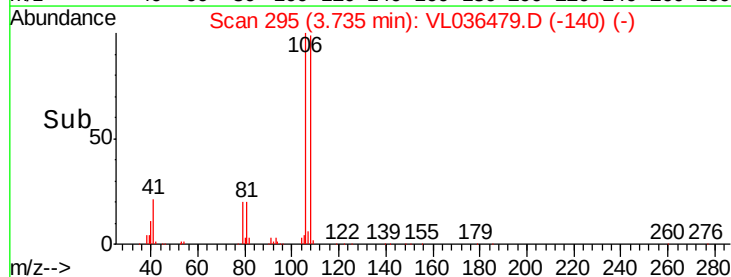
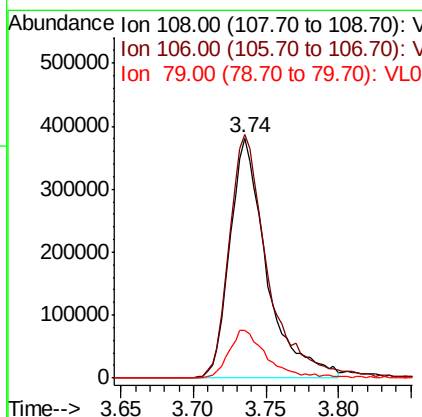
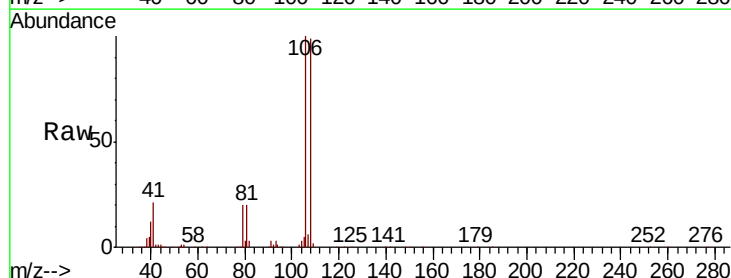
#13
 Ethanol
 Concen: 2.880 ppbv
 RT: 3.60
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 9:05

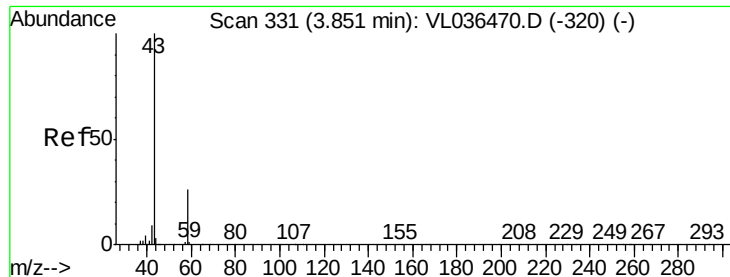
Tot Ion: 45 Resp: 32613
 Ion Ratio Lower Upper
 45 100
 46 103.7 16.6 66.2#



#14
 Bromoethene
 Concen: 9.528 ppbv
 RT: 3.74 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

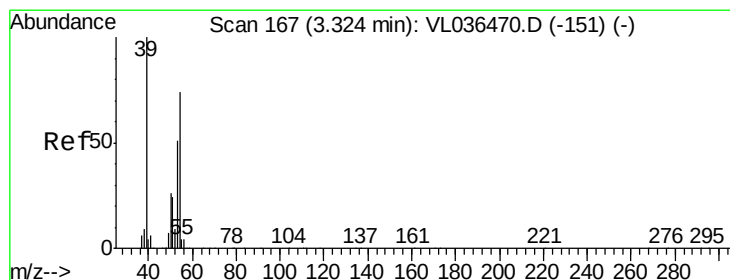
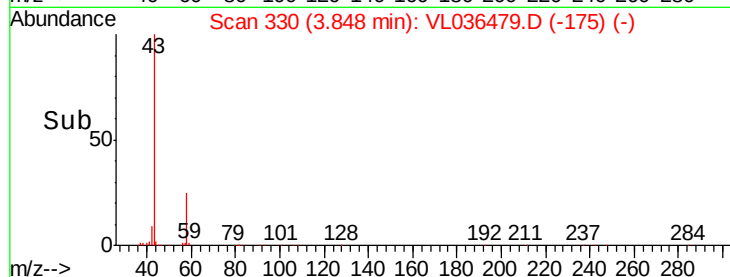
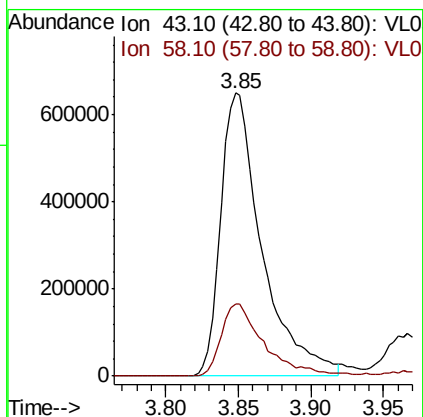
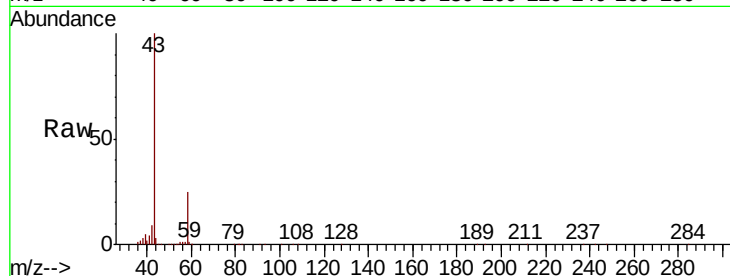
Tgt Ion: 108 Resp: 672111
 Ion Ratio Lower Upper
 108 100
 106 108.1 89.0 133.6
 79 21.4 16.6 25.0





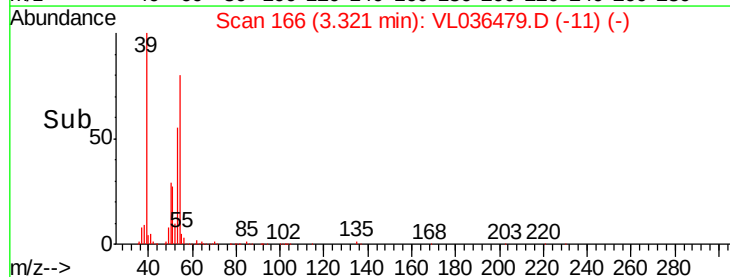
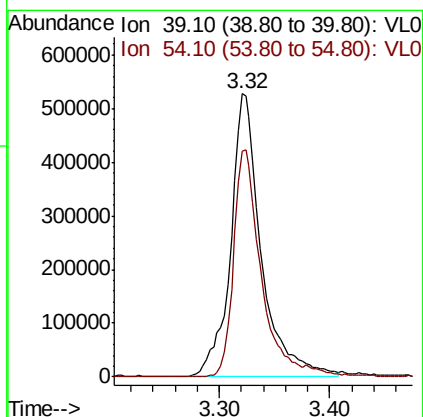
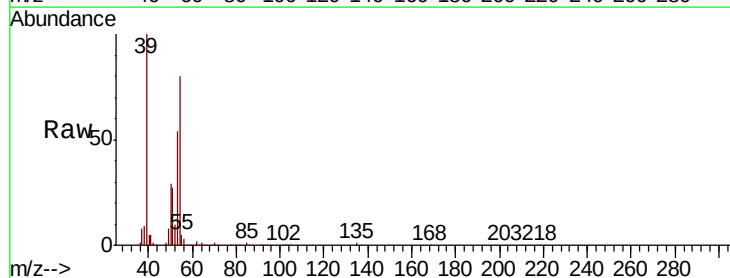
#15
Acetone
Concen: 8.167 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 9:05

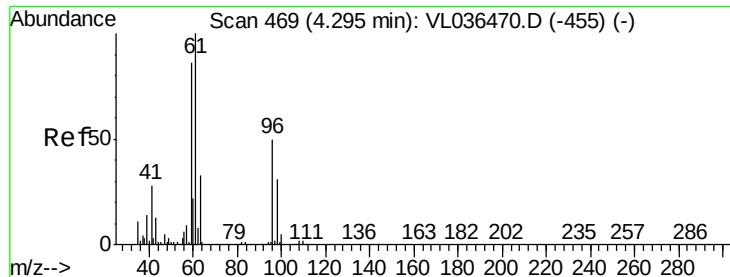
Tot Ion: 43 Resp: 1283351
Ion Ratio Lower Upper
43 100
58 26.8 21.2 31.8



#16
1,3-Butadiene
Concen: 9.229 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL036479.D
Acq: 25 Mar 2021 9:05

Tgt Ion: 39 Resp: 1009653
Ion Ratio Lower Upper
39 100
54 74.1 58.8 88.2





#17

tert-Butyl alcohol

Concen: 8.931 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

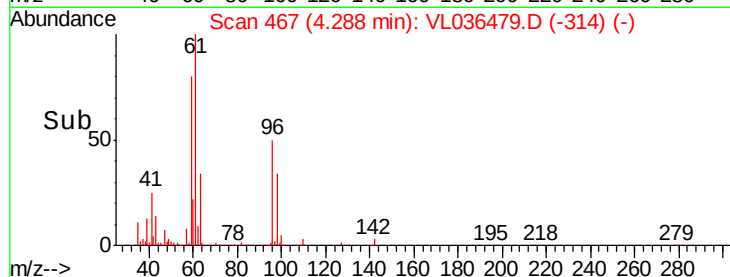
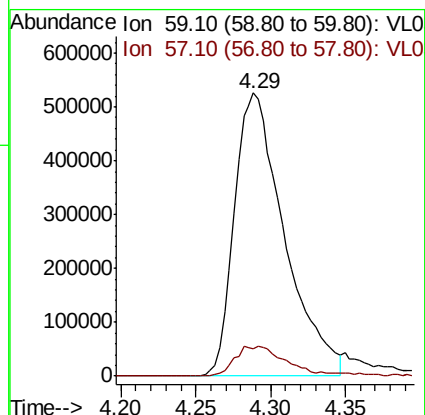
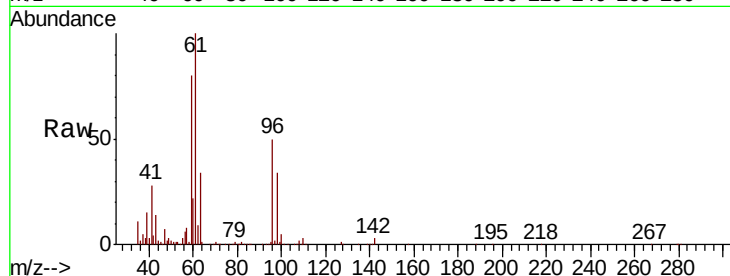
Acq: 25 Mar 2021 9:05

Tot Ion: 59 Resp: 1221792

Ion Ratio Lower Upper

59 100

57 11.4 8.6 12.8



#18

1,1-Dichloroethene

Concen: 8.962 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

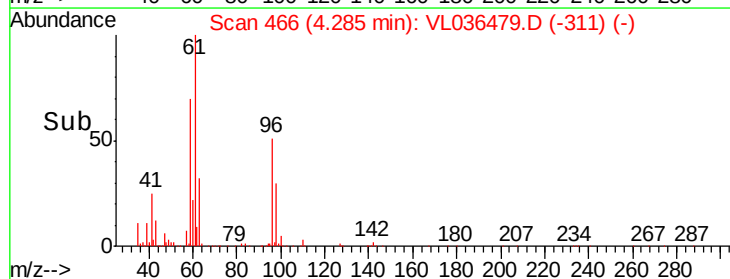
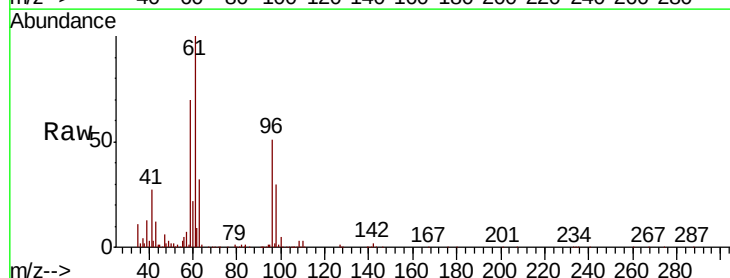
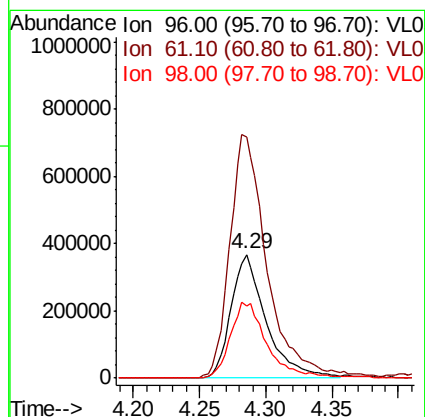
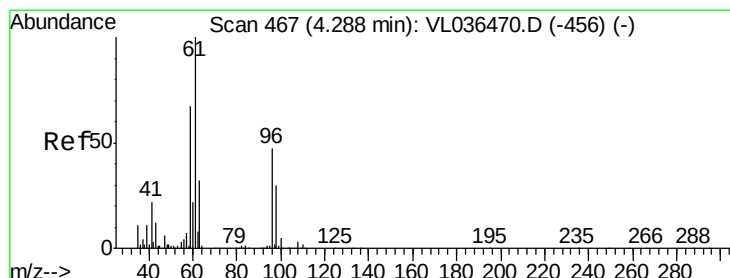
Tgt Ion: 96 Resp: 676397

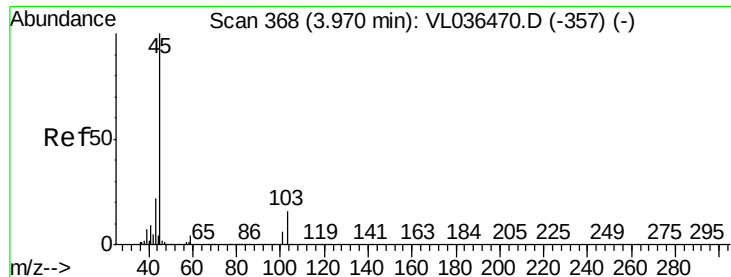
Ion Ratio Lower Upper

96 100

61 194.5 168.6 253.0

98 58.6 50.8 76.2





#19

Isopropyl Alcohol

Concen: 8.089 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

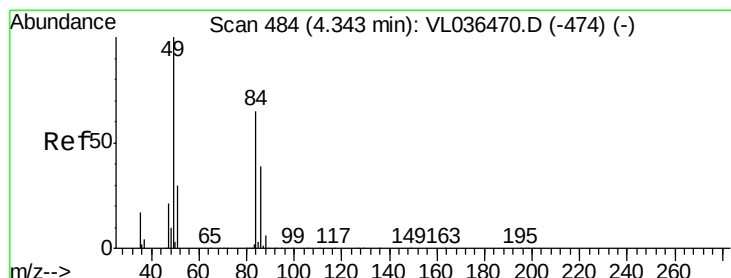
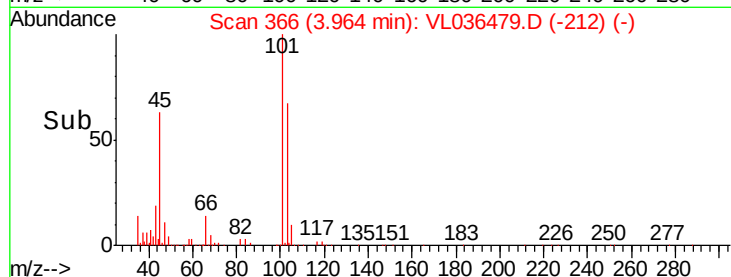
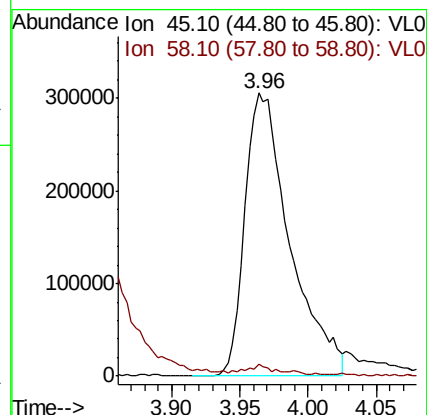
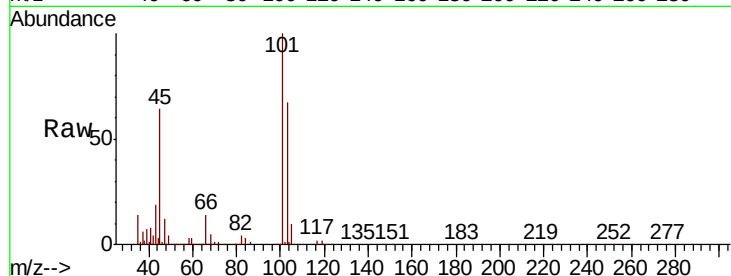
Acq: 25 Mar 2021 9:05

Tot Ion: 45 Resp: 699278

Ion Ratio Lower Upper

45 100

58 3.3 2.9 4.3



#20

Methylene Chloride

Concen: 7.628 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

Tgt Ion: 84 Resp: 561235

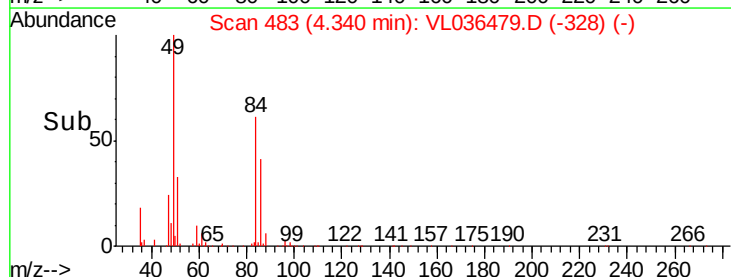
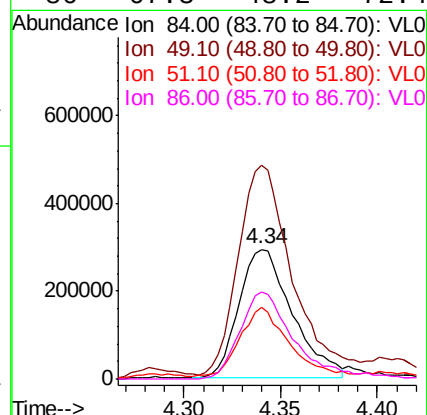
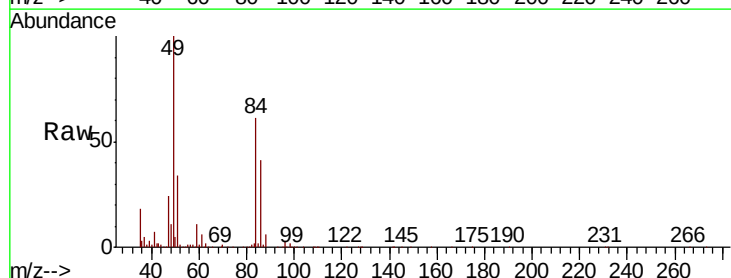
Ion Ratio Lower Upper

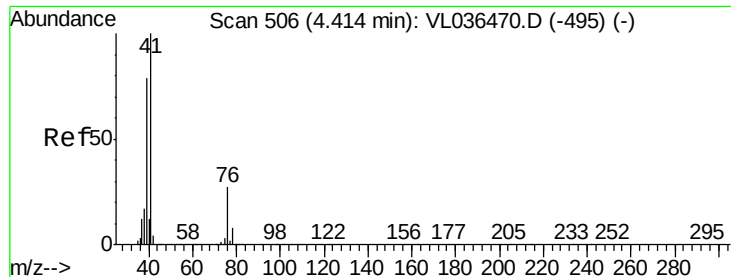
84 100

49 162.5 122.9 184.3

51 53.8 36.9 55.3

86 67.3 48.2 72.4





#21

Allvl Chloride

Concen: 9.106 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 9:05

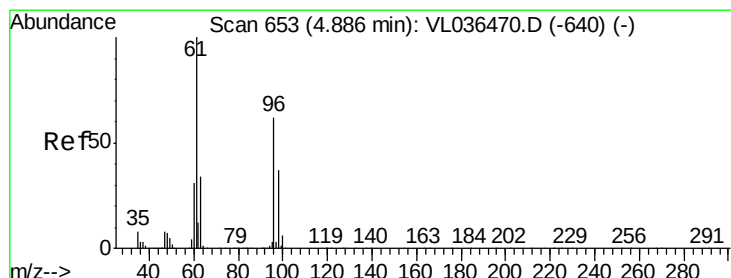
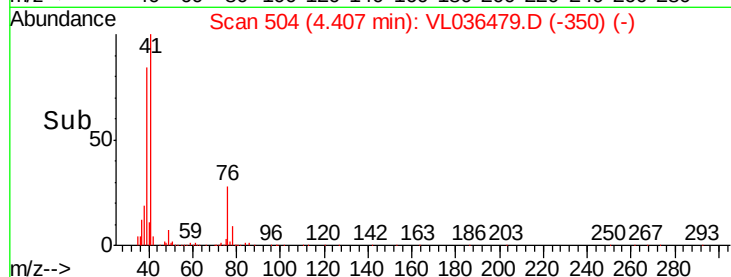
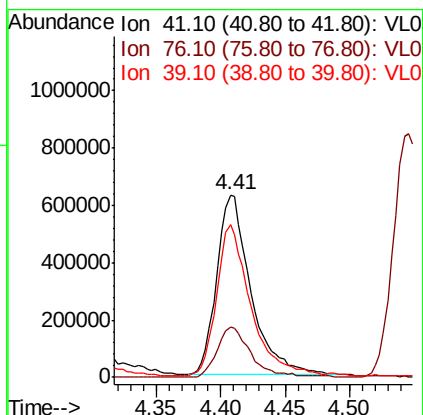
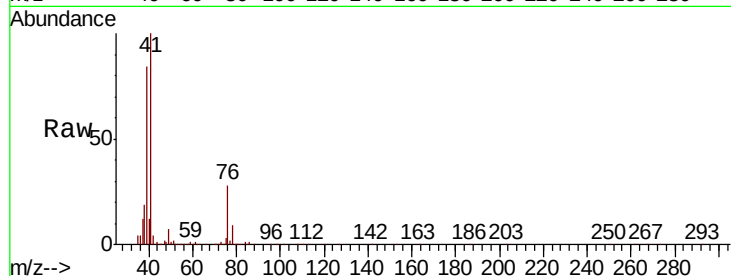
Tot Ion: 41 Resp: 1140749

Ion Ratio Lower Upper

41 100

76 28.7 22.9 34.3

39 86.3 67.3 100.9



#22

trans-1,2-Dichloroethene

Concen: 9.107 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

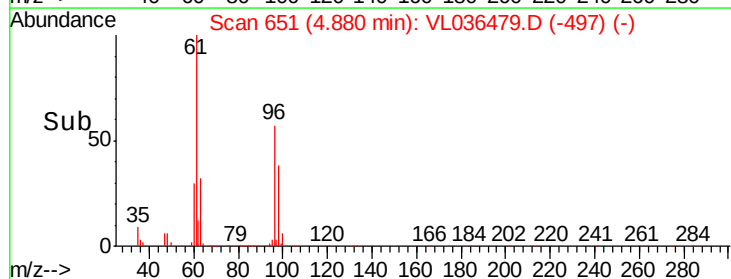
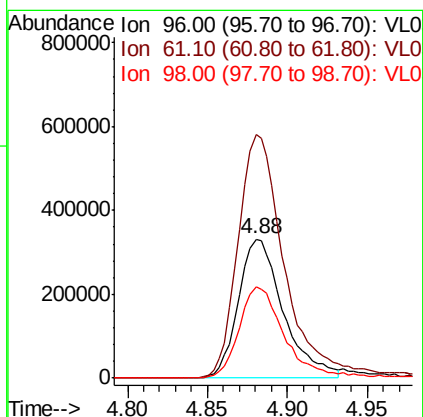
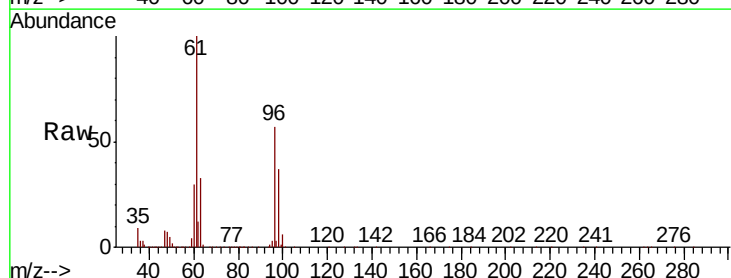
Tgt Ion: 96 Resp: 637263

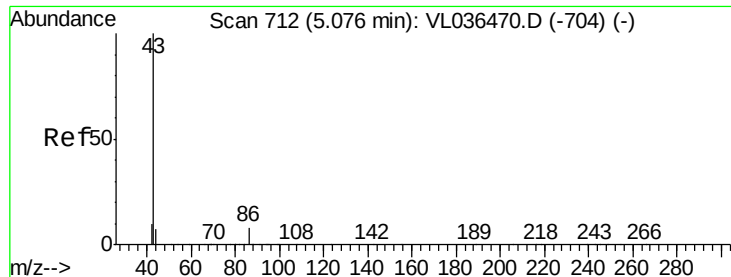
Ion Ratio Lower Upper

96 100

61 175.3 129.4 194.0

98 65.6 48.2 72.4





#23

Vinyl Acetate

Concen: 9.124 ppbv

RT: 5.07 Instrument:

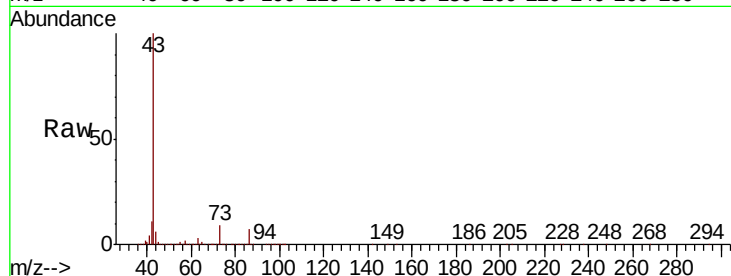
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

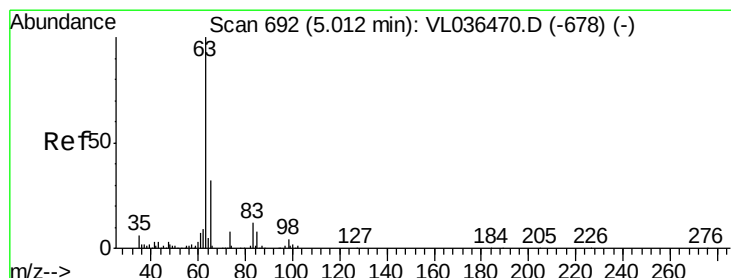
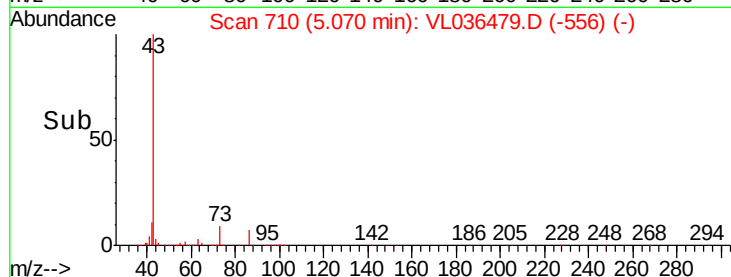
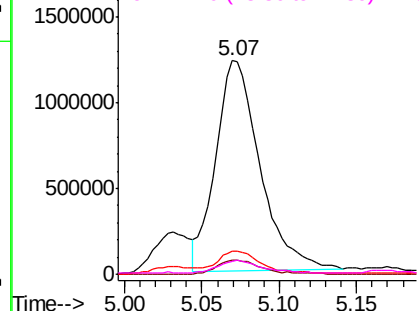
Acq: 25 Mar 2021 9:05

Tot Ion: 43 Resp: 2452671

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.0
42	10.5	8.5	12.7
44	5.5	4.6	7.0



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



#24

1,1-Dichloroethane

Concen: 9.227 ppbv

RT: 5.01 min Scan# 691

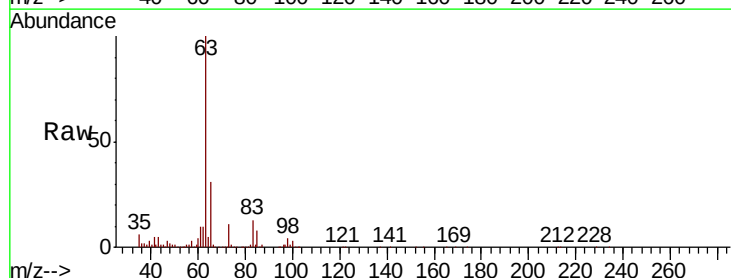
Delta R.T. -0.00 min

Lab File: VL036479.D

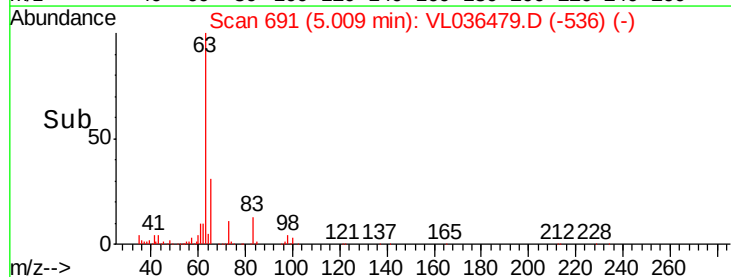
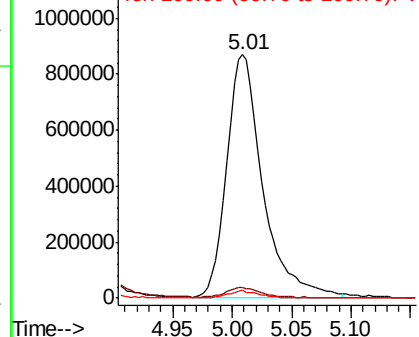
Acq: 25 Mar 2021 9:05

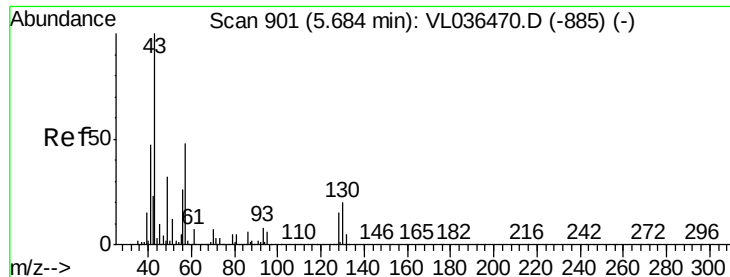
Tgt Ion: 63 Resp: 1807818

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	3.1	0.9	2.8#



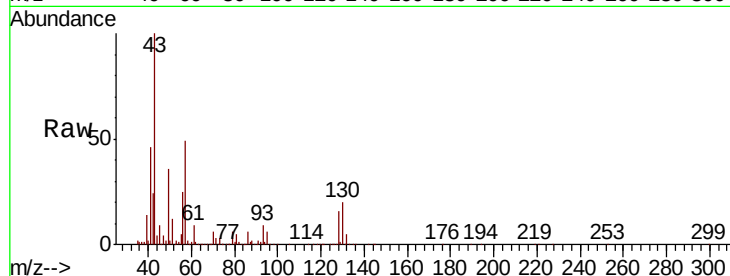
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 9.077 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 9:05

Tot Ion:	43	Resp:	3391360
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	8.8	7.4	11.2
70	6.5	5.1	7.7



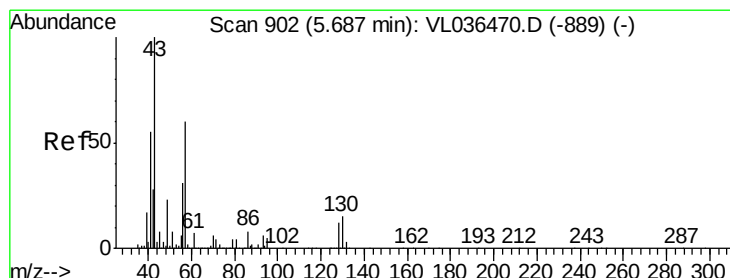
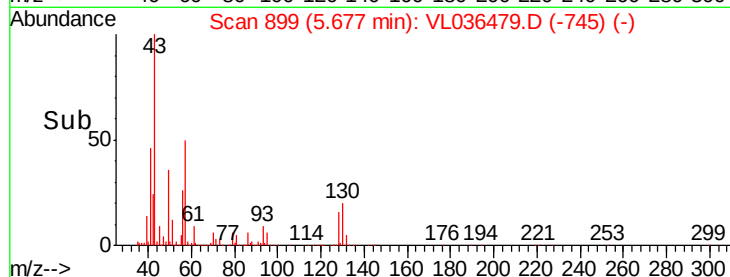
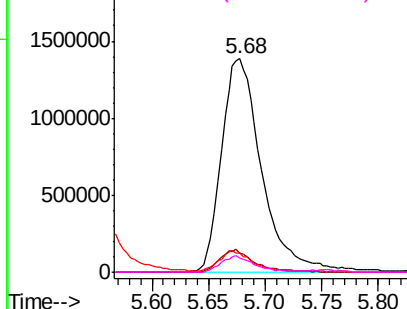
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

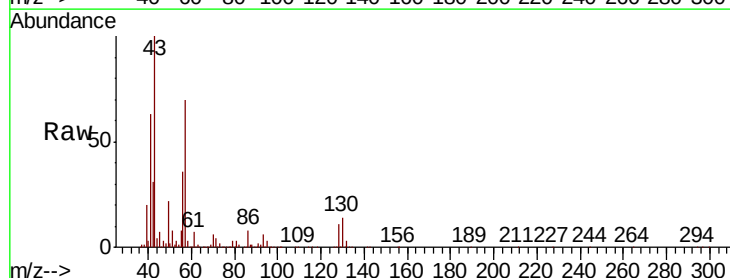
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.202 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036479.D
Acq: 25 Mar 2021 9:05

Tgt Ion:	57	Resp:	1595362
Ion	Ratio	Lower	Upper
57	100		
41	96.3	77.2	115.8
43	216.2	173.8	260.6
56	54.9	43.8	65.6



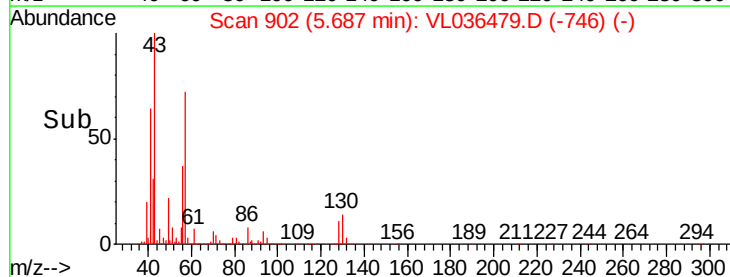
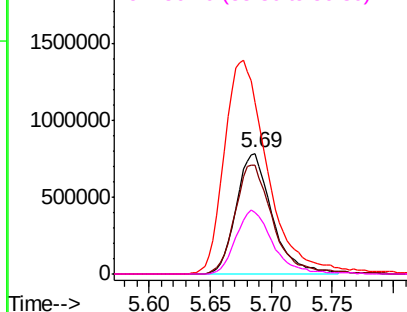
Abundance

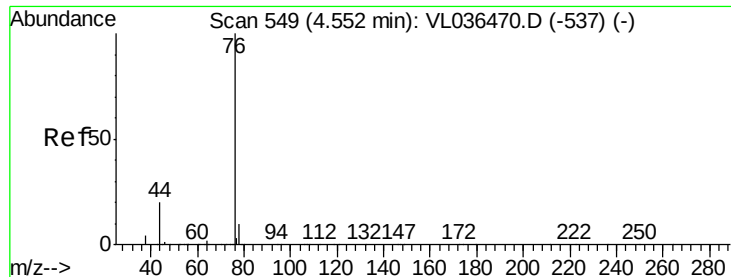
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.033 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 9:05

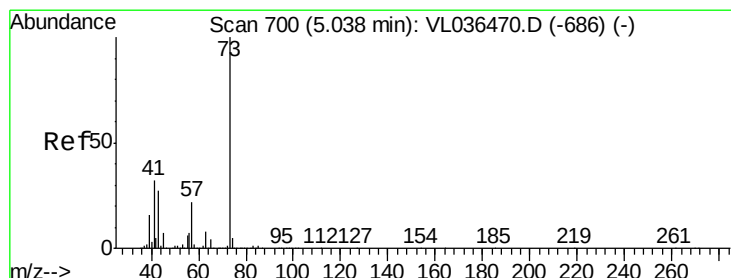
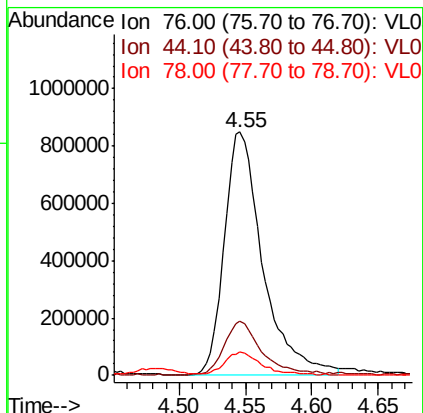
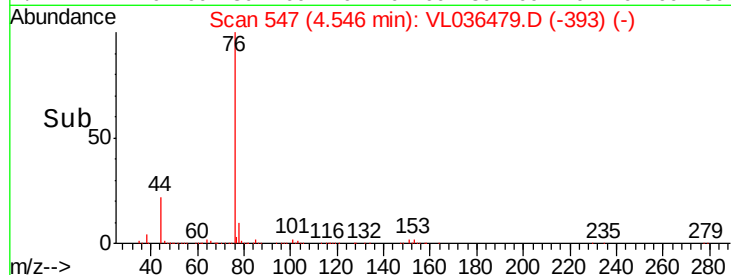
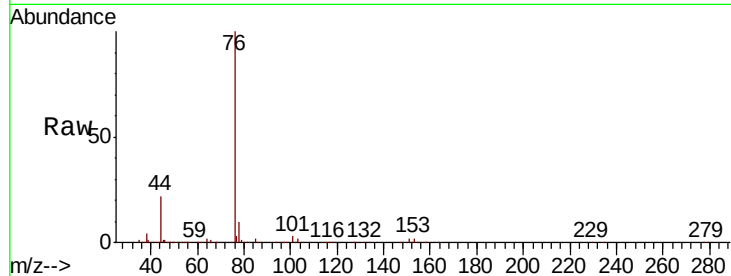
Tot Ion: 76 Resp: 1713592

Ion Ratio Lower Upper

76 100

44 21.5 17.5 26.3

78 9.8 8.6 13.0



#28

Methyl tert-Butyl Ether

Concen: 9.154 ppbv

RT: 5.03 min Scan# 698

Delta R.T. -0.01 min

Lab File: VL036479.D

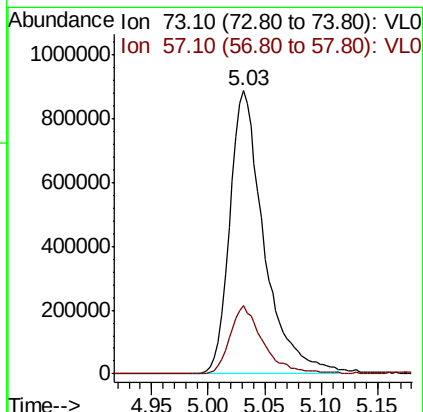
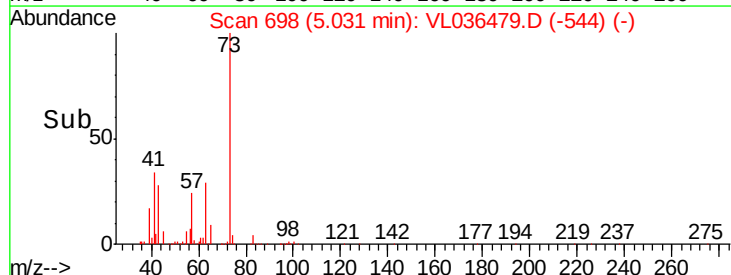
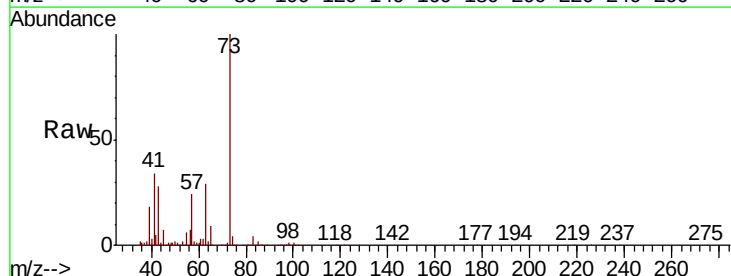
Acq: 25 Mar 2021 9:05

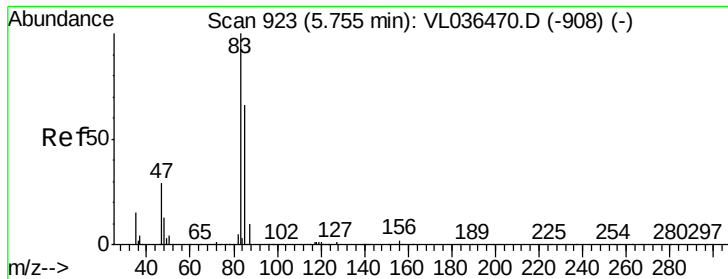
Tgt Ion: 73 Resp: 1871724

Ion Ratio Lower Upper

73 100

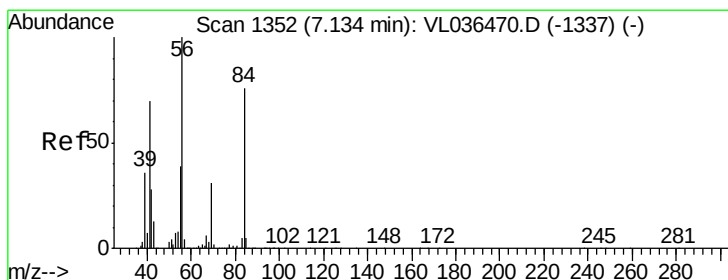
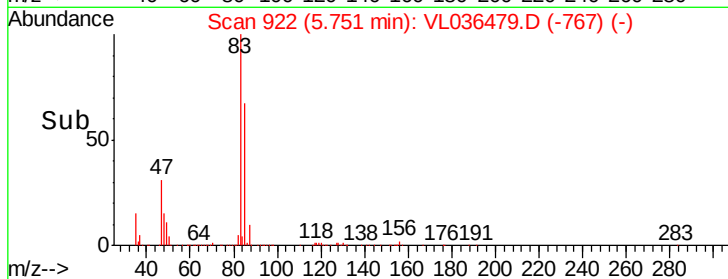
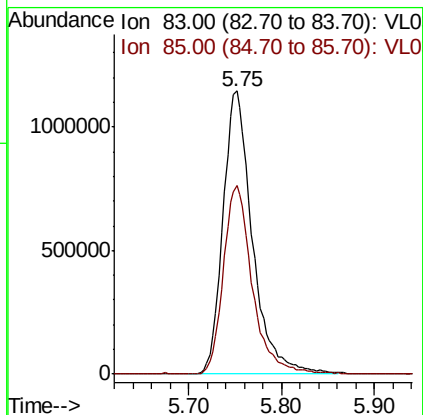
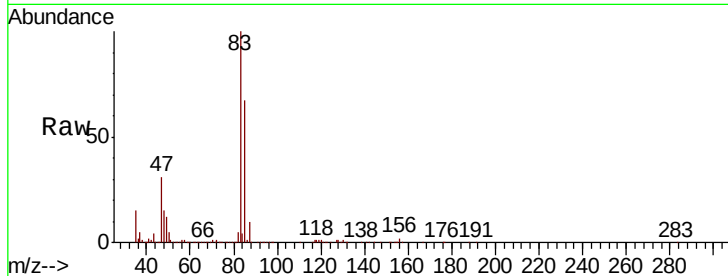
57 23.6 18.5 27.7





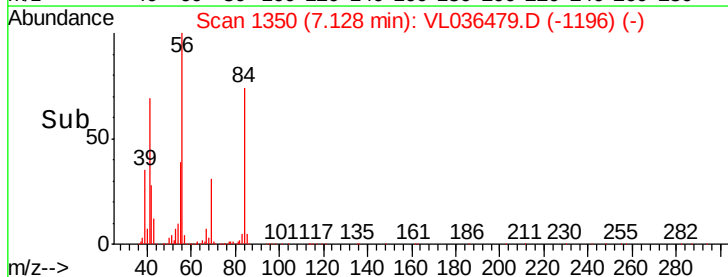
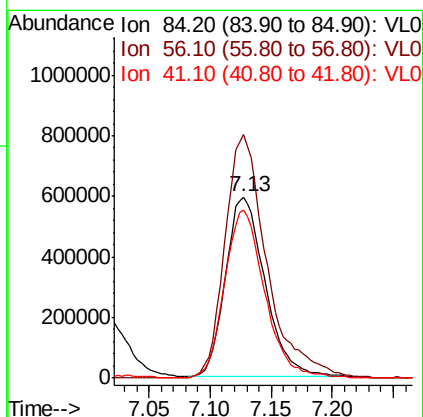
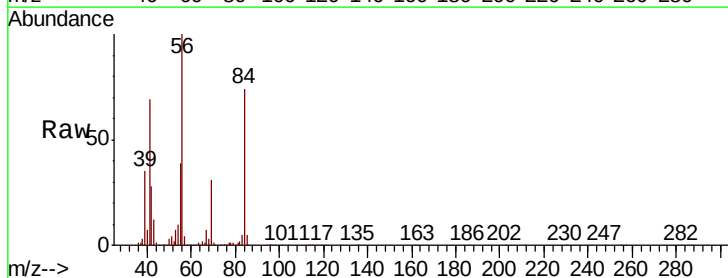
#29
Chloroform
Concen: 9.075 ppbv
RT: 5.75
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 9:05

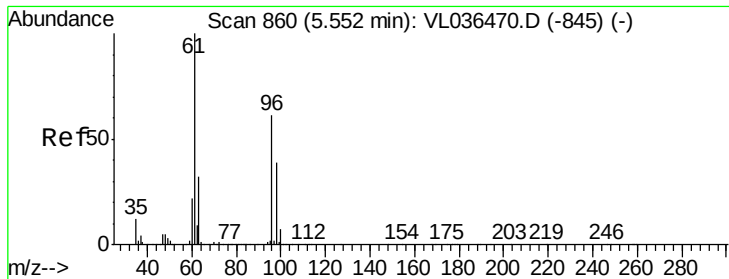
Tot Ion: 83 Resp: 2516297
Ion Ratio Lower Upper
83 100
85 66.4 52.6 78.8



#30
Cyclohexane
Concen: 9.526 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL036479.D
Acq: 25 Mar 2021 9:05

Tgt Ion: 84 Resp: 1339485
Ion Ratio Lower Upper
84 100
56 144.6 114.6 171.8
41 95.5 75.3 112.9





#31

cis-1,2-Dichloroethene

Concen: 9.478 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 9:05

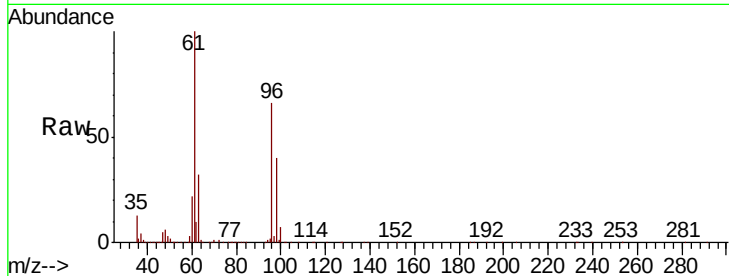
Tot Ion: 61 Resp: 1589338

Ion	Ratio	Lower	Upper
61	100		
96	66.0	48.7	73.1
98	39.9	31.4	47.0

61 100

96 66.0 48.7 73.1

98 39.9 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

800000

600000

400000

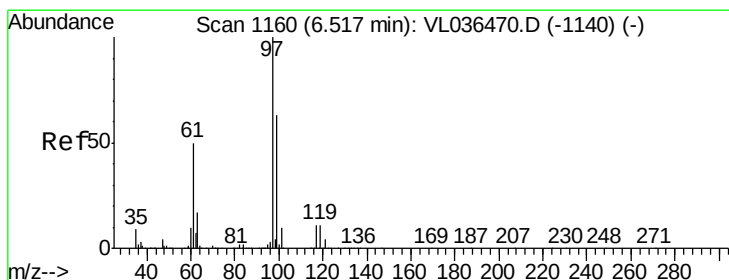
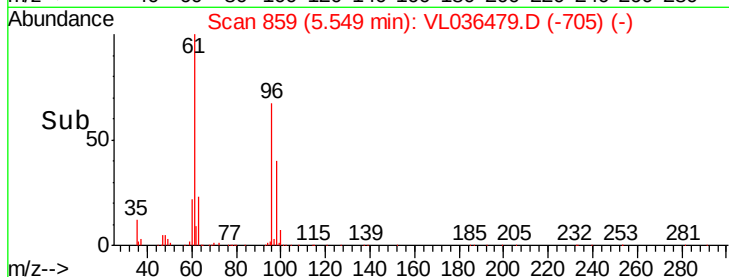
200000

0

5.55

5.60

Time-->



#32

1,1,1-Trichloroethane

Concen: 8.882 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

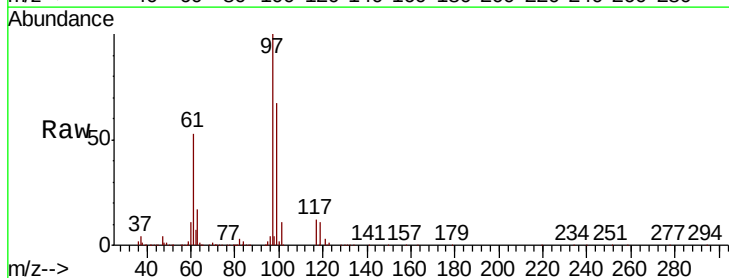
Tgt Ion: 97 Resp: 2481905

Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.4	77.0
61	52.1	40.6	60.8

97 100

99 65.6 51.4 77.0

61 52.1 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

1000000

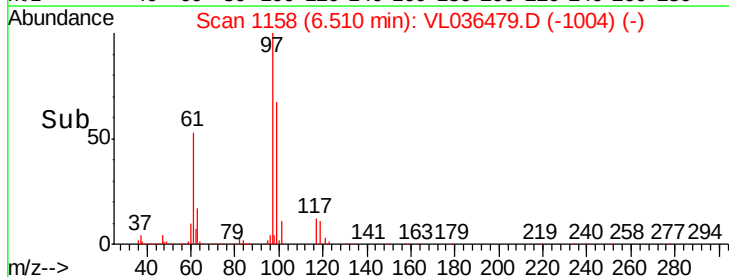
500000

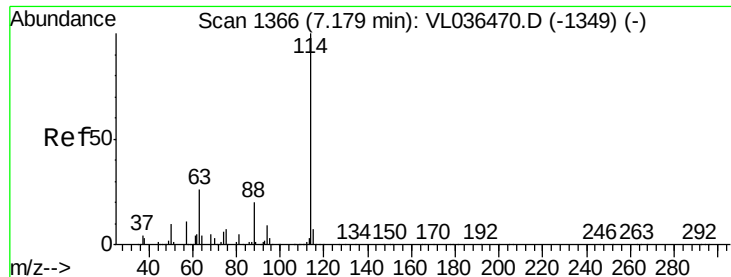
0

6.51

6.60

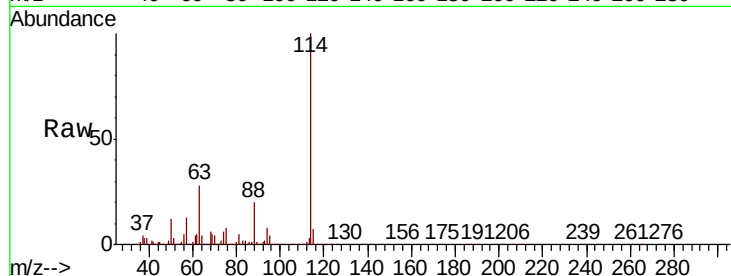
Time-->



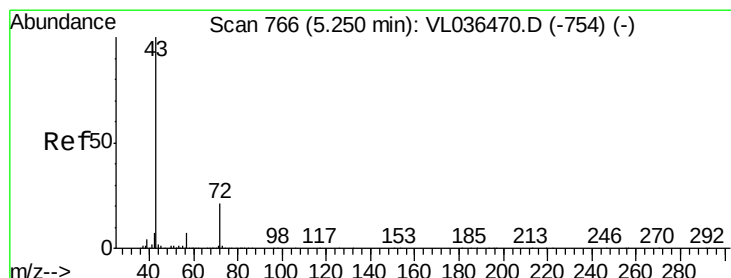
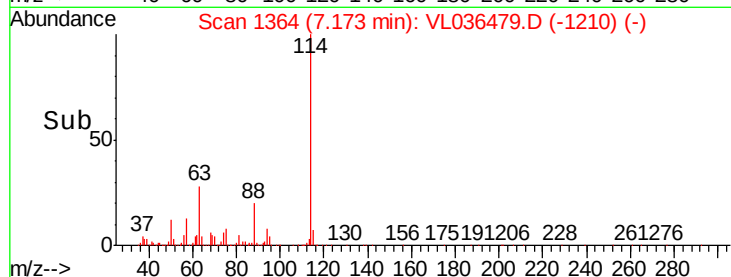
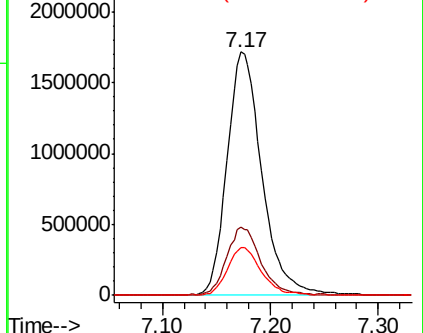


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 9:05

Tot Ion:114 Resp: 3863866
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.4 33.6
 88 19.4 15.4 23.0

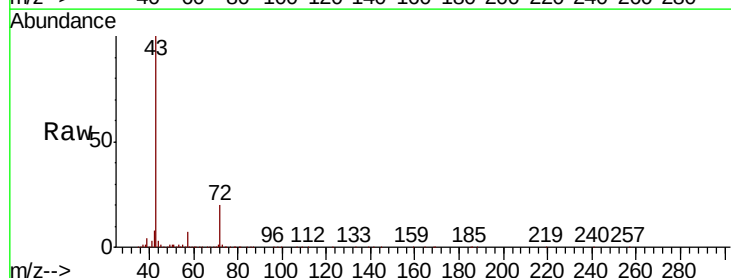


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

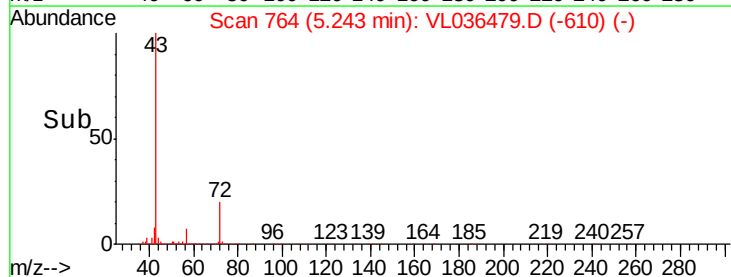
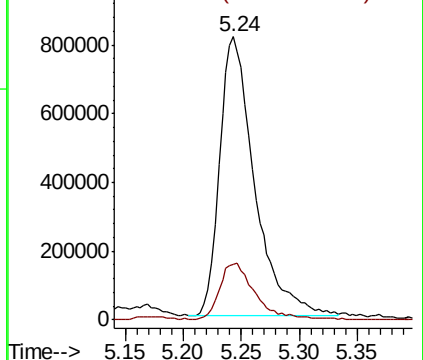


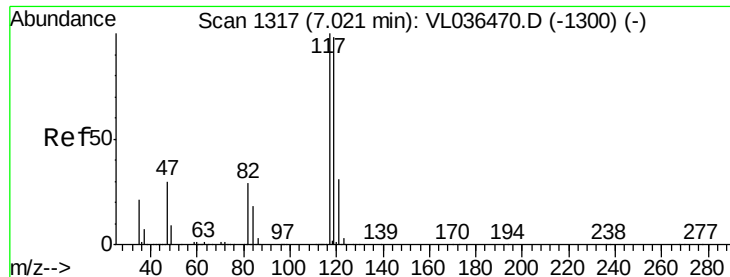
#34
 2-Butanone
 Concen: 9.092 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

Tgt Ion: 43 Resp: 1714811
 Ion Ratio Lower Upper
 43 100
 72 20.6 17.0 25.6



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

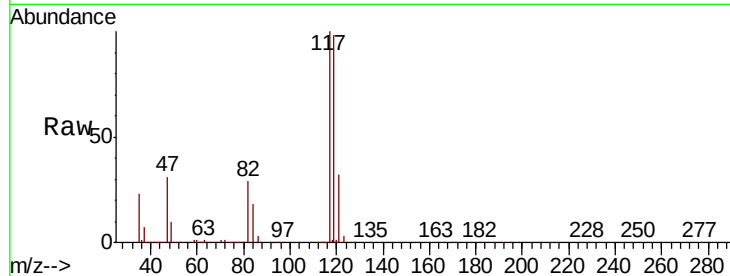




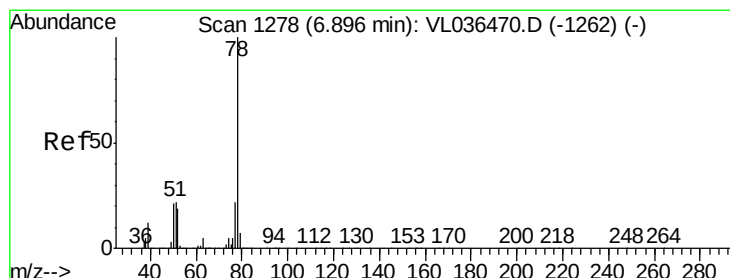
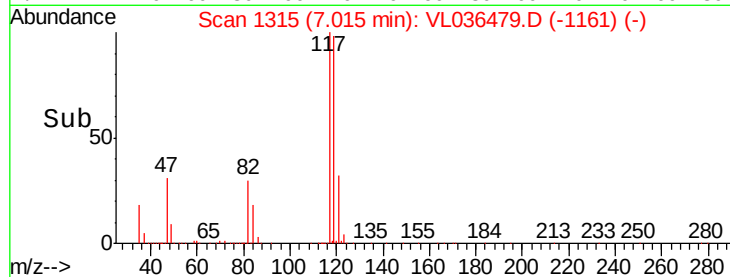
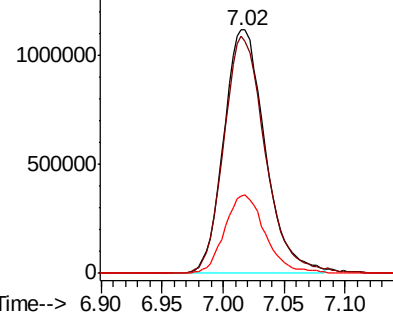
#35
Carbon Tetrachloride
Concen: 8.825 ppbv
RT: 7.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 9:05

Tot Ion: 117 Resp: 2618968

Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.2	117.2
121	31.8	24.5	36.7



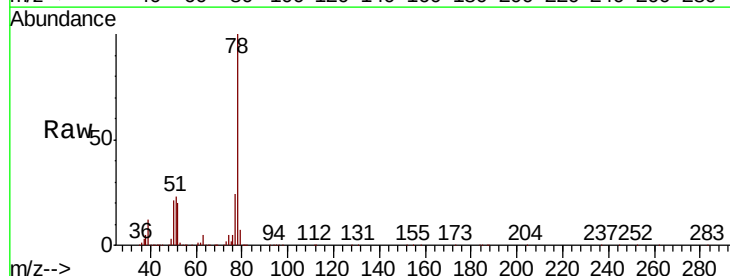
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



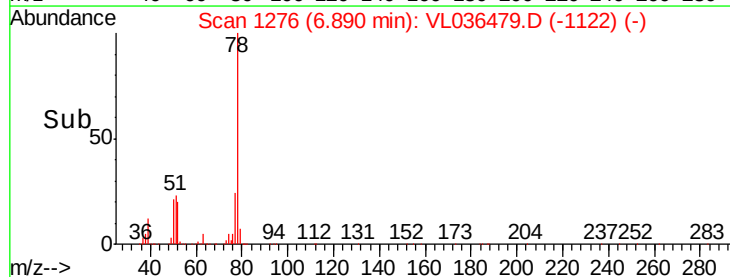
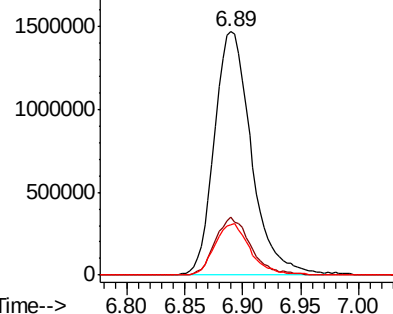
#36
Benzene
Concen: 9.117 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL036479.D
Acq: 25 Mar 2021 9:05

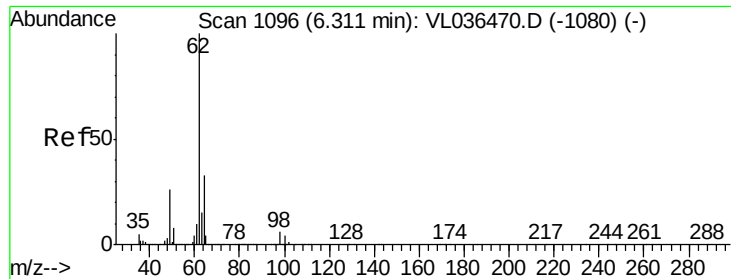
Tgt Ion: 78 Resp: 3248959

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.0	27.0
50	20.6	16.5	24.7



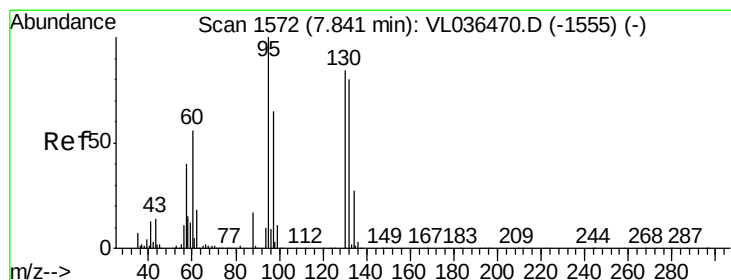
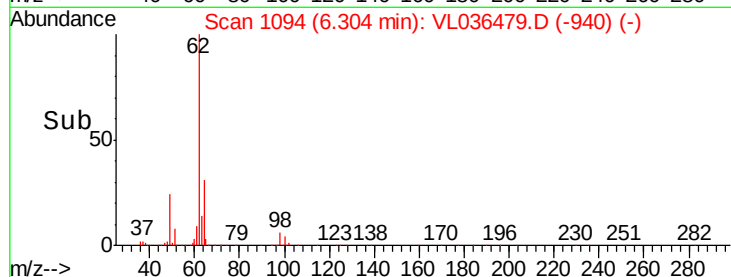
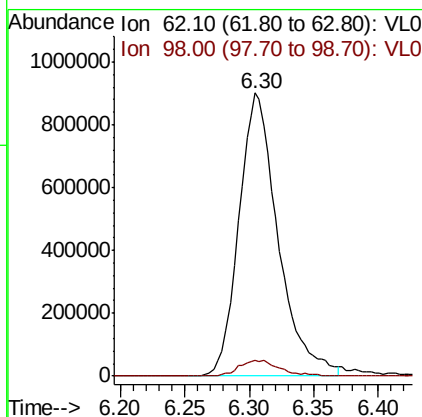
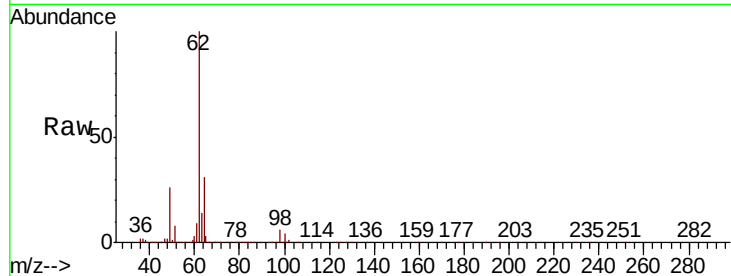
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





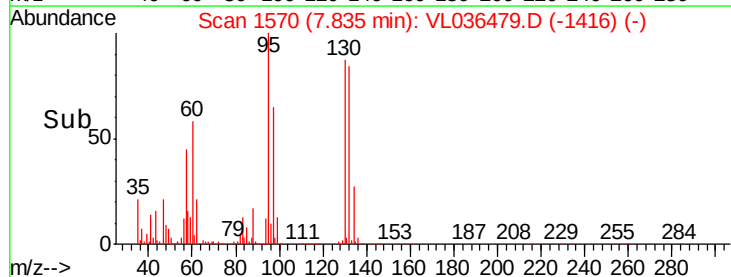
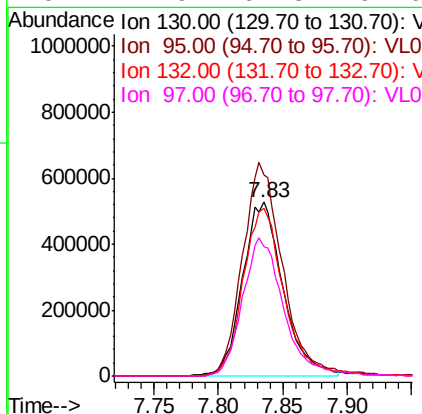
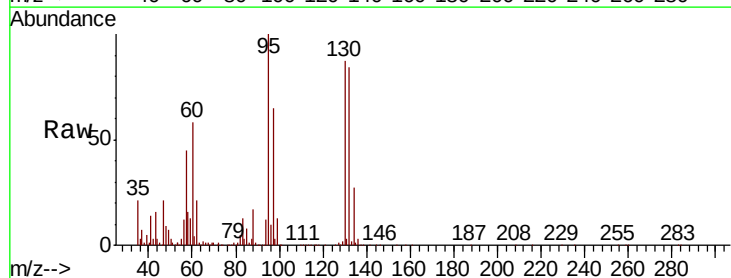
#37
 1,2-Dichloroethane
 Concen: 9.075 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 9:05

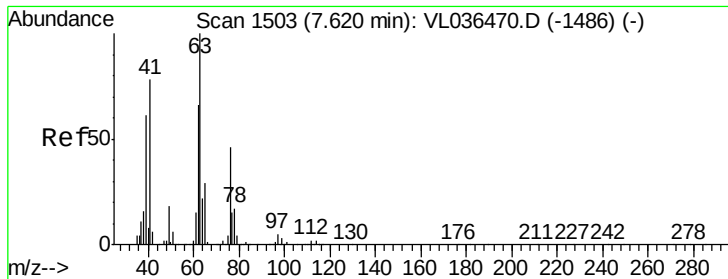
Tot Ion: 62 Resp: 1903330
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.9 7.3



#38
 Trichloroethene
 Concen: 8.273 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T.: -0.01 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

Tgt Ion: 130 Resp: 1147325
 Ion Ratio Lower Upper
 130 100
 95 115.7 95.7 143.5
 132 96.8 76.2 114.4
 97 74.9 61.8 92.6





#39

1,2-Dichloropropane

Concen: 8.973 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 9:05

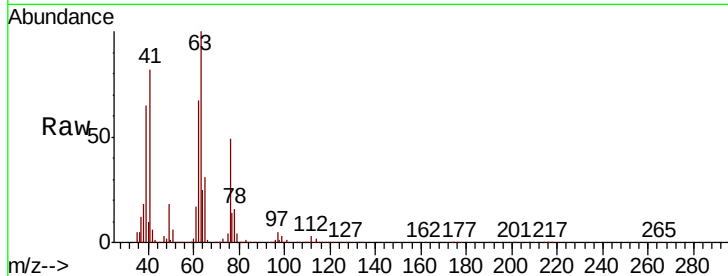
Tot Ion: 63 Resp: 1297120

Ion Ratio Lower Upper

63 100

41 81.3 62.4 93.6

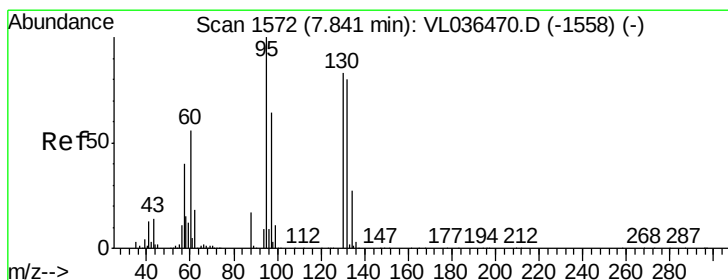
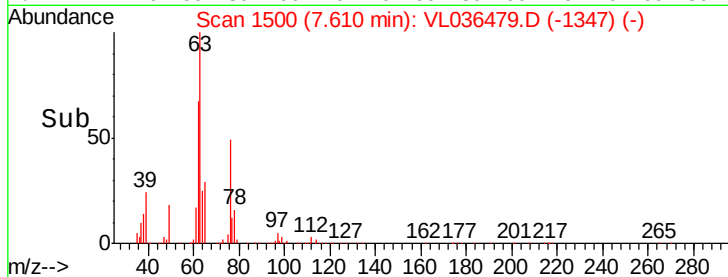
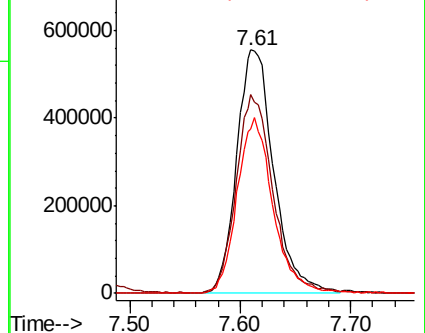
62 67.0 52.8 79.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 7.836 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

Tgt Ion: 88 Resp: 263623

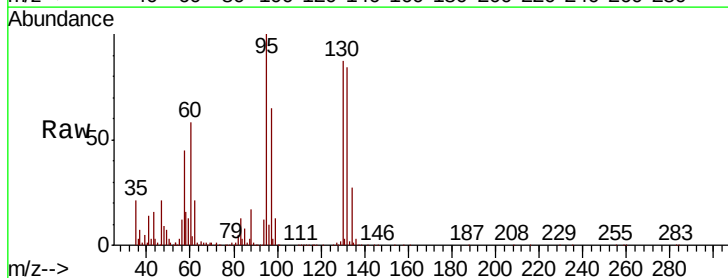
Ion Ratio Lower Upper

88 100

58 181.8 134.1 201.1

43 493.7 346.6 520.0

57 2098.8 1481.8 2222.8

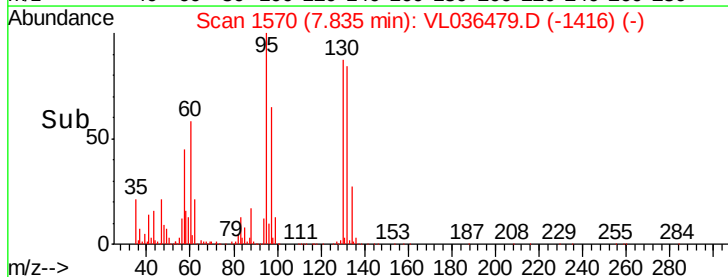
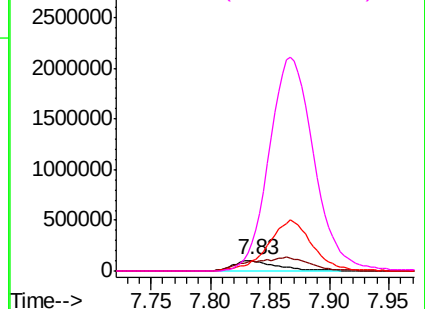


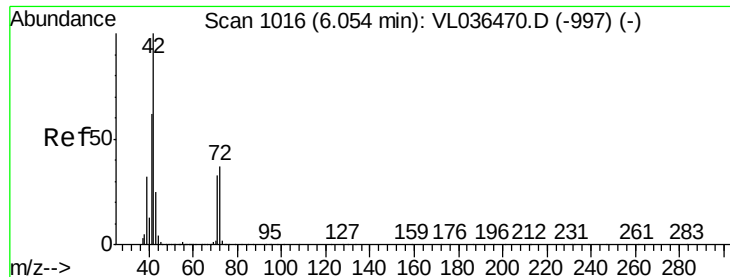
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

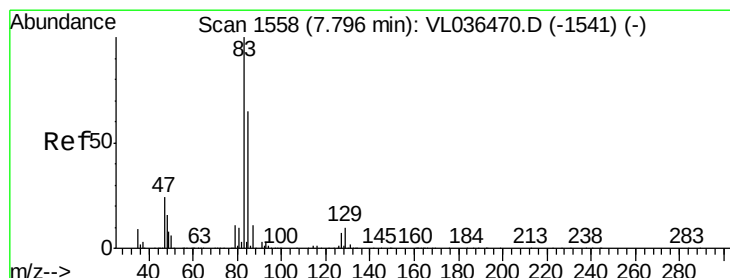
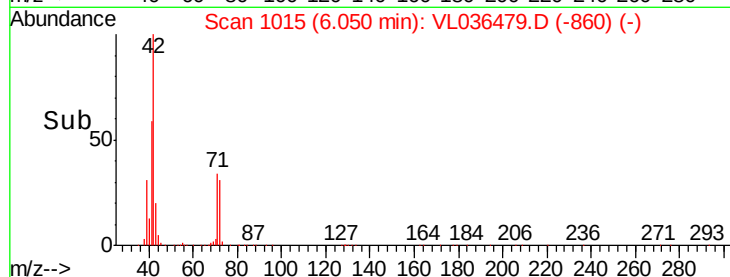
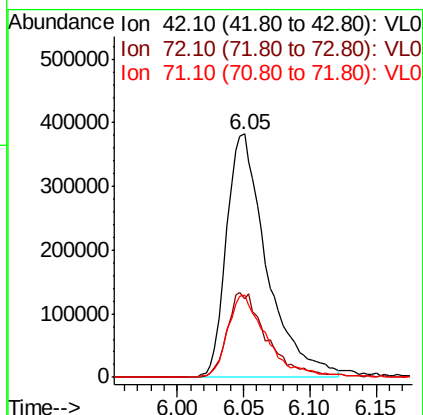
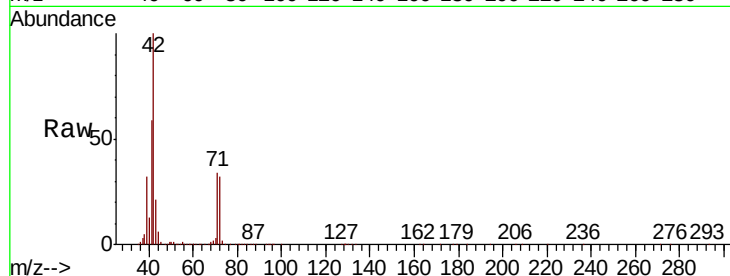
Ion 57.10 (56.80 to 57.80): VL0





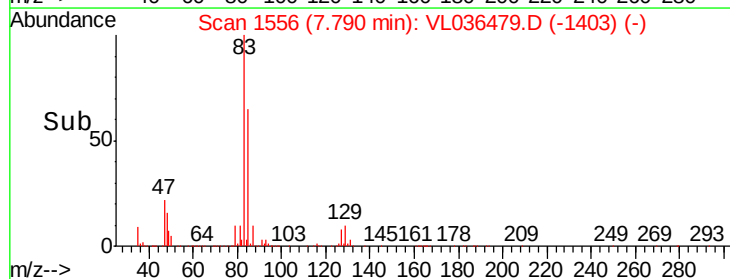
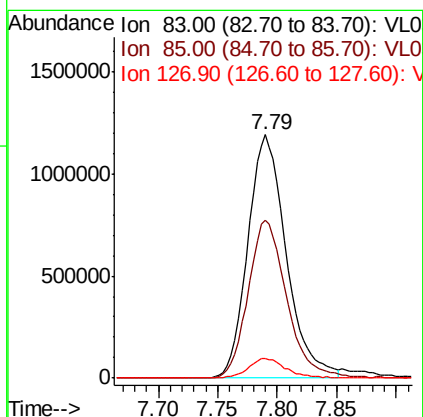
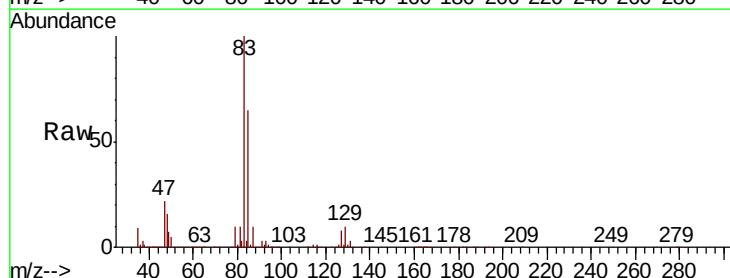
#41
Tetrahydrofuran
Concen: 9.270 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 9:05

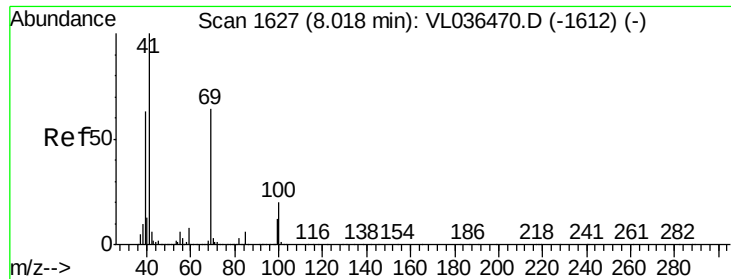
Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	27.6	41.4
71	33.7	27.0	40.4



#42
Bromodichloromethane
Concen: 9.336 ppbv
RT: 7.79 min Scan# 1556
Delta R.T.: -0.01 min
Lab File: VL036479.D
Acq: 25 Mar 2021 9:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.8	77.6
127	8.1	5.8	8.8





#43

Methyl Methacrylate

Concen: 10.021 ppbv

RT: 8.01

Instrument: MSVOA_1

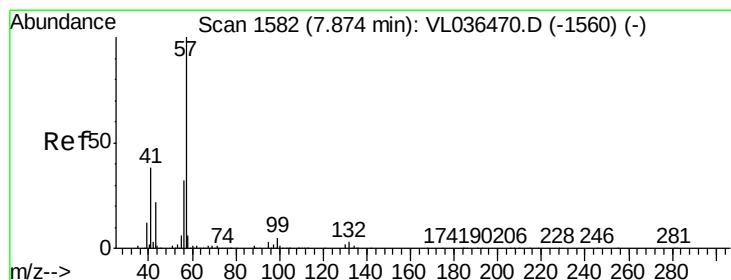
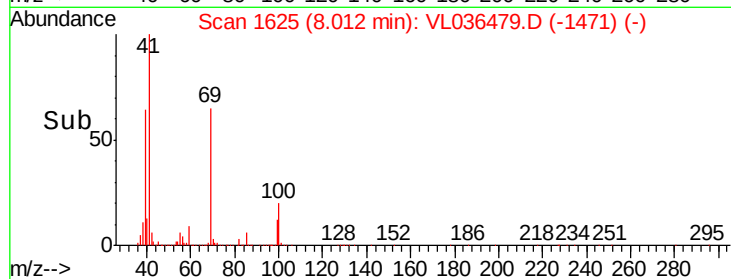
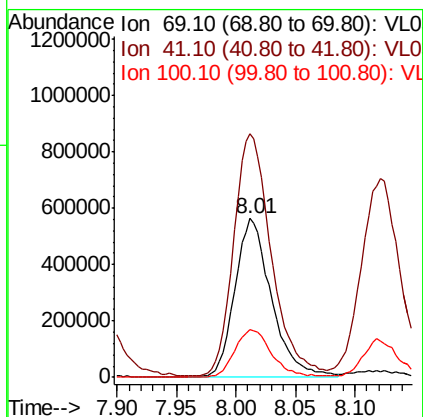
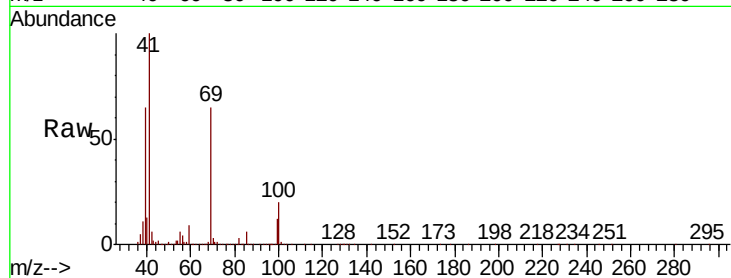
Delta R.T.:

Lab File: ClientSampleId:

Acq: 25 Mar 2021 9:05

Tot Ion: 69 Resp: 1199125

Ion	Ratio	Lower	Upper
69	100		
41	157.5	126.8	190.2
100	30.8	24.9	37.3



#44

2,2,4-Trimethylpentane

Concen: 8.793 ppbv

RT: 7.87 min Scan# 1580

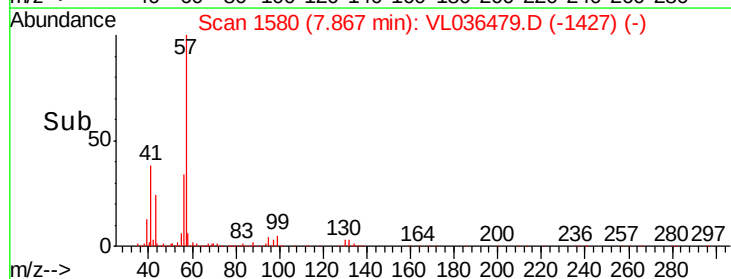
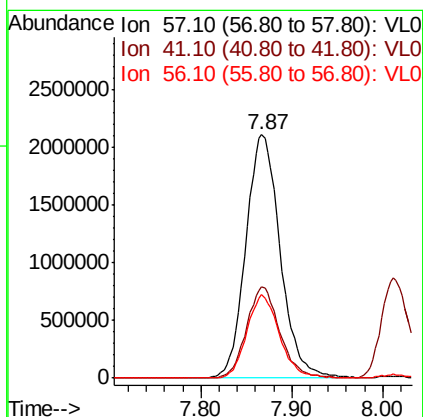
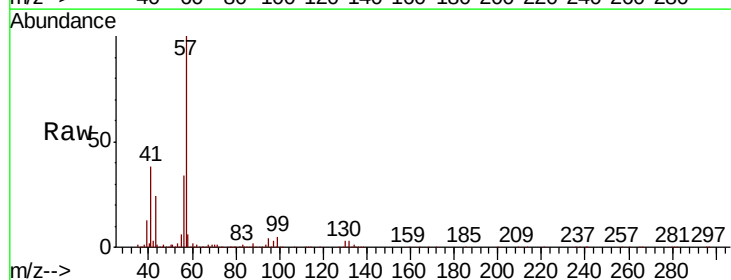
Delta R.T. -0.01 min

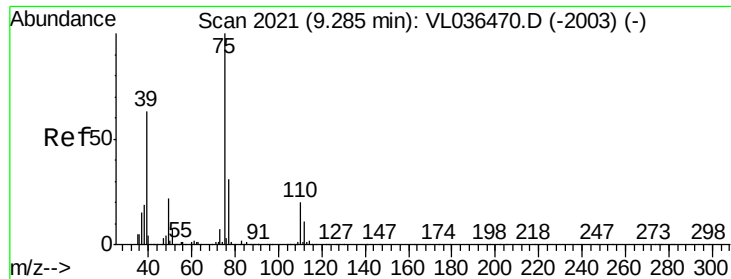
Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

Tgt Ion: 57 Resp: 5514978

Ion	Ratio	Lower	Upper
57	100		
41	36.2	28.8	43.2
56	32.7	26.1	39.1





#45

t-1,3-Dichloropropene

Concen: 9.559 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

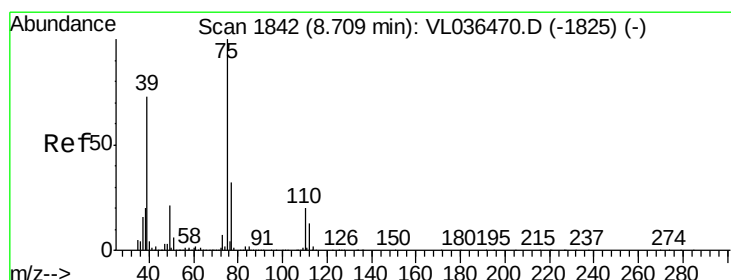
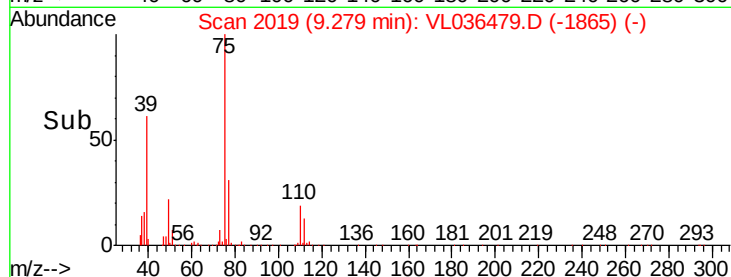
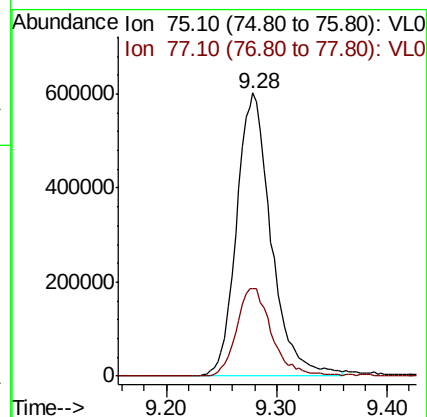
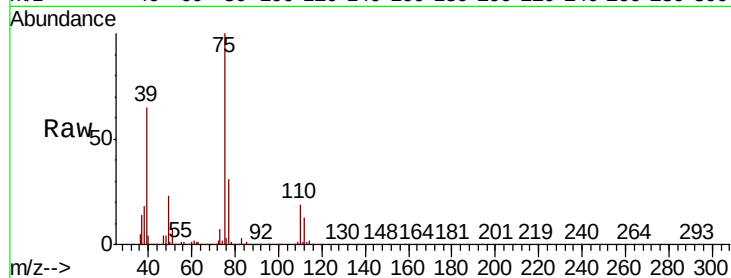
Acq: 25 Mar 2021 9:05

Tot Ion: 75 Resp: 1306094

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7



#46

cis-1,3-Dichloropropene

Concen: 9.274 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

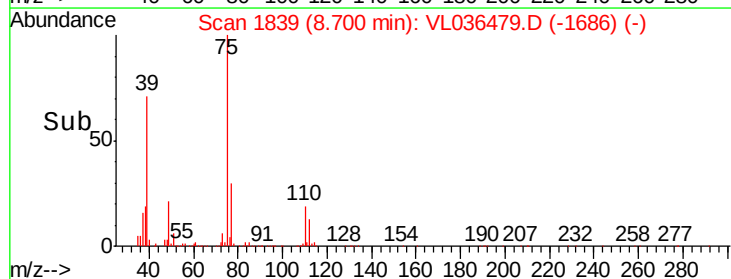
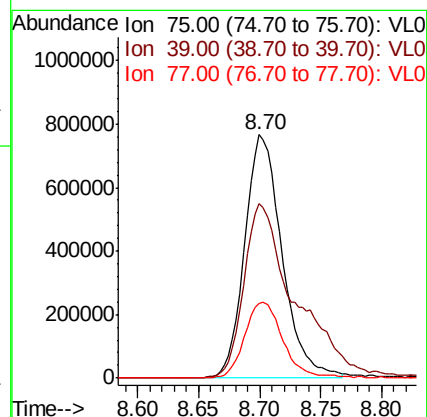
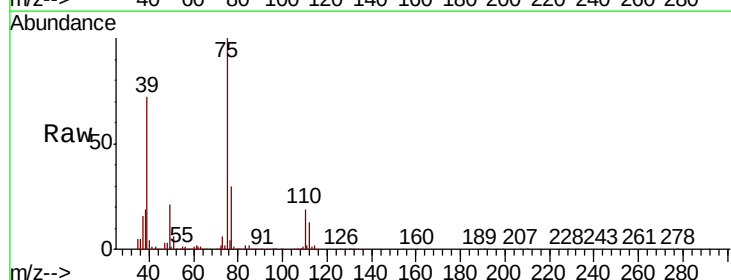
Tgt Ion: 75 Resp: 1619776

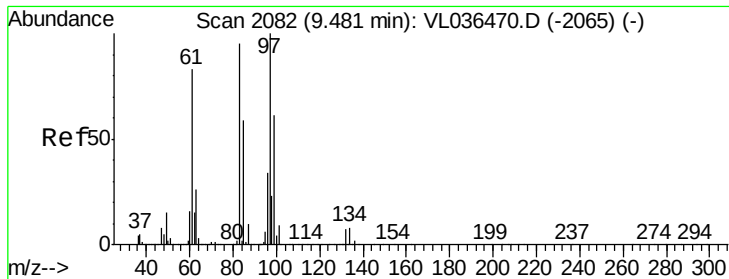
Ion Ratio Lower Upper

75 100

39 71.5 58.2 87.2

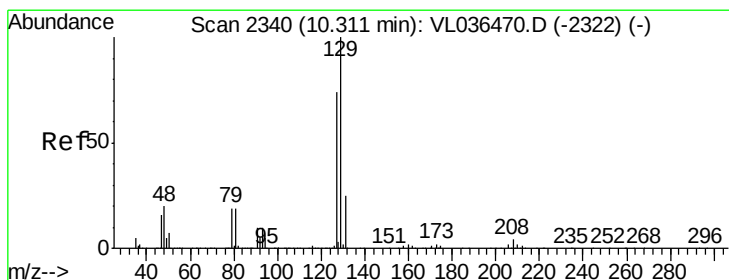
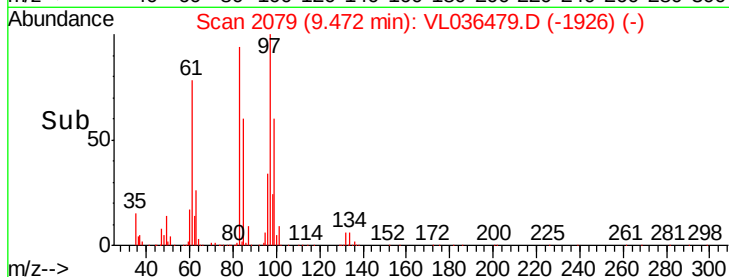
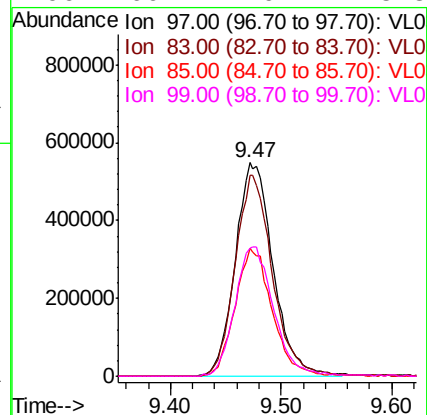
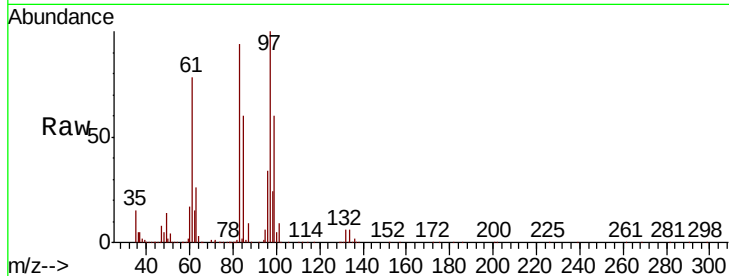
77 30.4 25.2 37.8





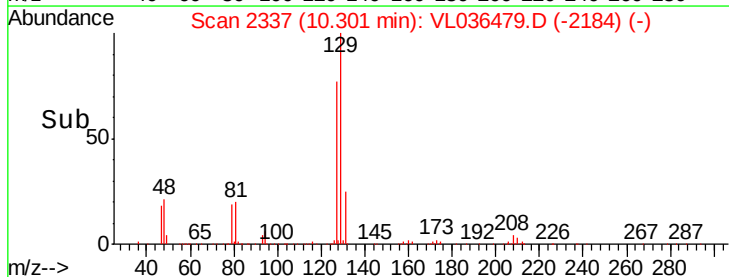
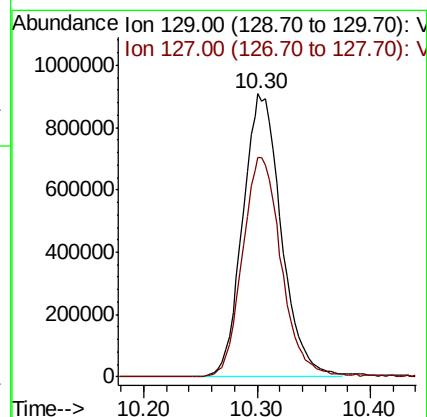
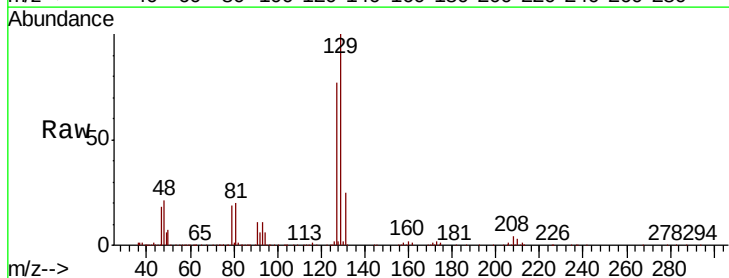
#47
 1,1,2-Trichloroethane
 Concen: 8.885 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 9:05

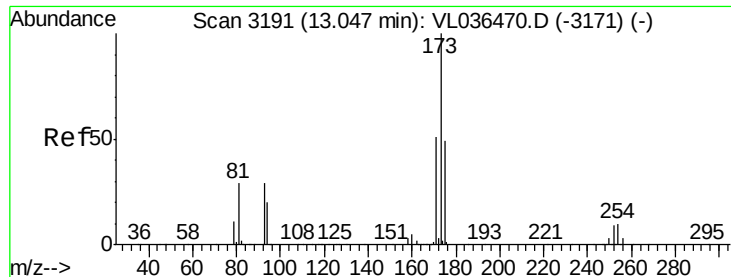
Tot Ion:	97	Resp:	1300908
Ion	Ratio	Lower	Upper
97	100		
83	94.0	75.8	113.8
85	59.9	47.1	70.7
99	60.2	49.2	73.8



#48
 Dibromochloromethane
 Concen: 9.633 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

Tgt Ion:	129	Resp:	2150089
Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.6	118.8





#49

Bromoform

Concen: 9.280 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 9:05

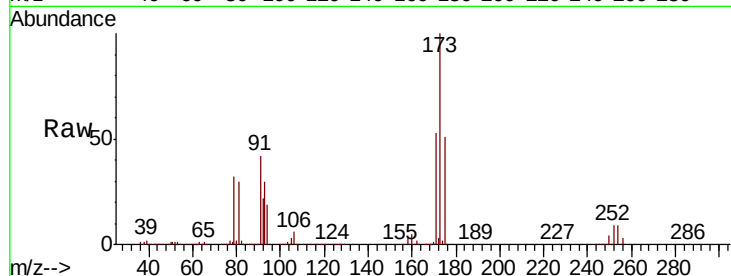
Tot Ion:173 Resp: 1668850

Ion Ratio Lower Upper

173 100

175 50.4 39.6 59.4

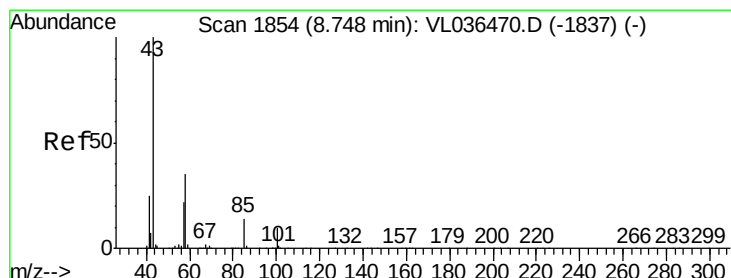
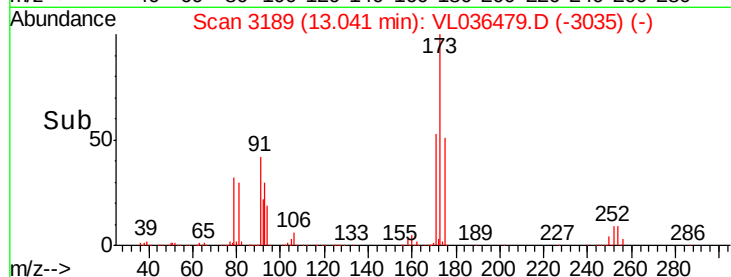
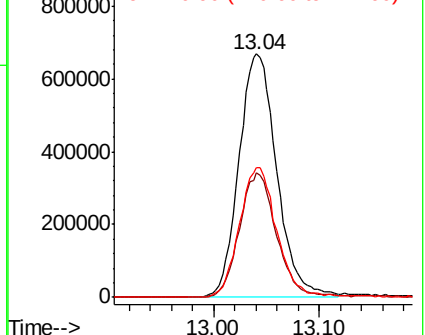
171 52.5 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.677 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VL036479.D

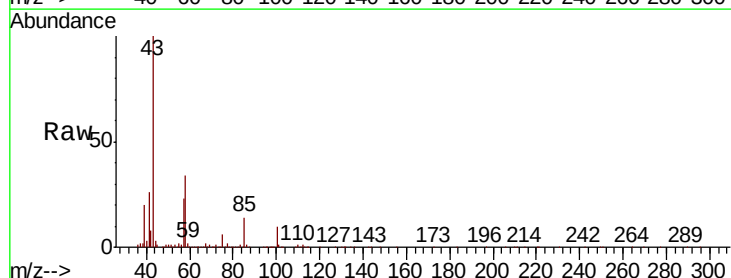
Acq: 25 Mar 2021 9:05

Tgt Ion: 43 Resp: 2640925

Ion Ratio Lower Upper

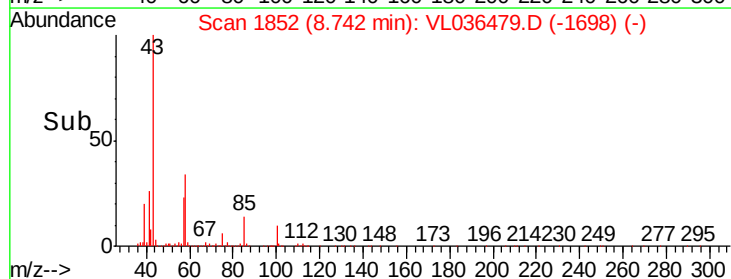
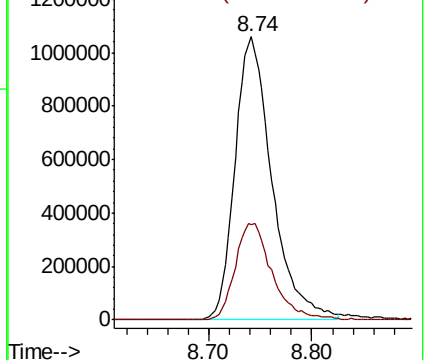
43 100

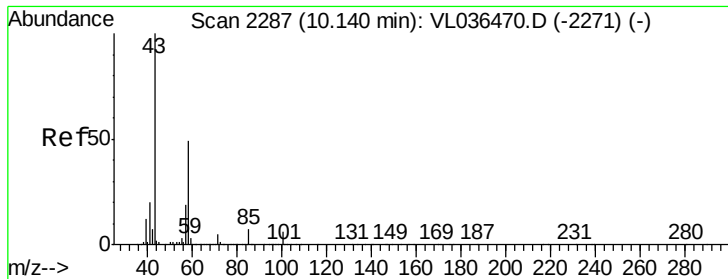
58 34.7 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

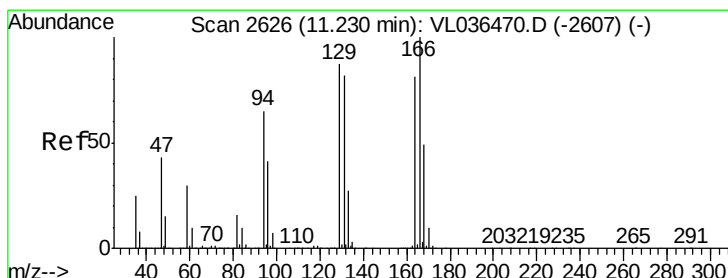
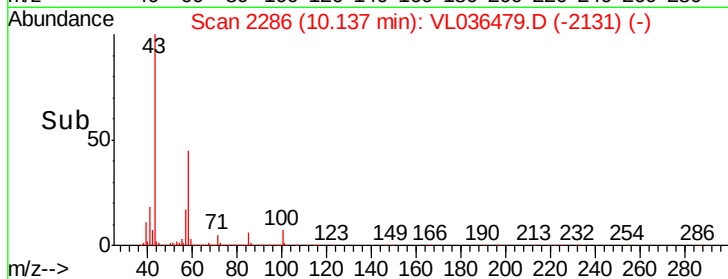
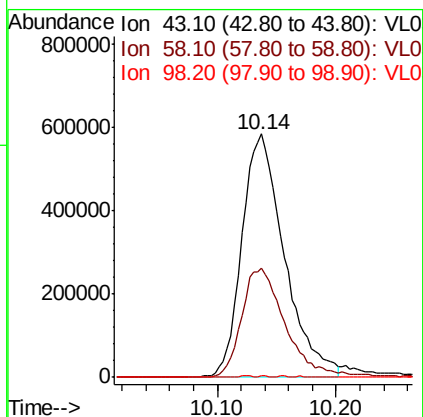
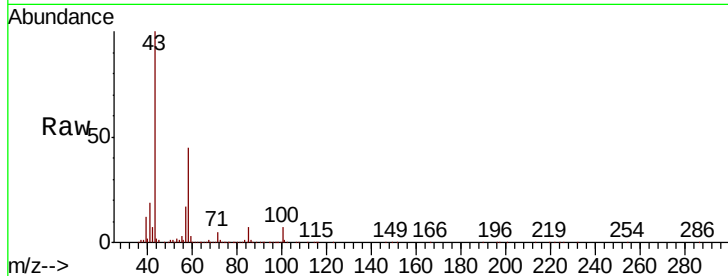
Ion 58.10 (57.80 to 58.80): VL0





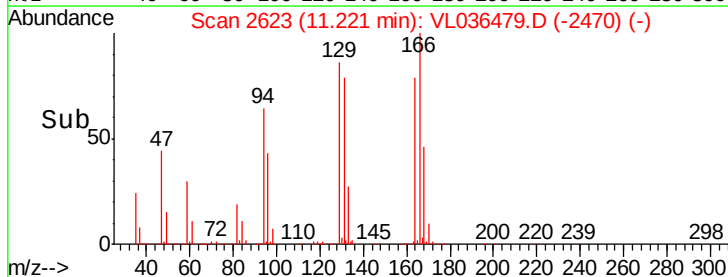
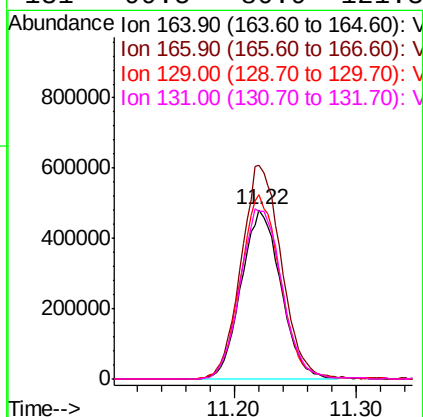
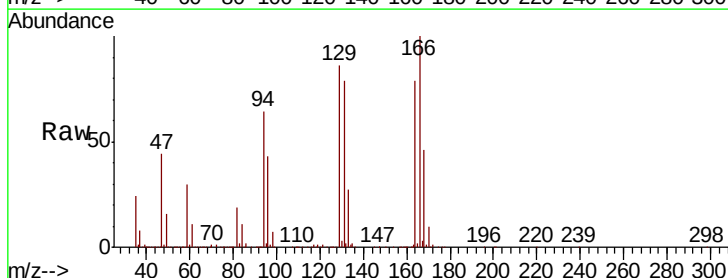
#51
2-Hexanone
Concen: 10.464 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 9:05

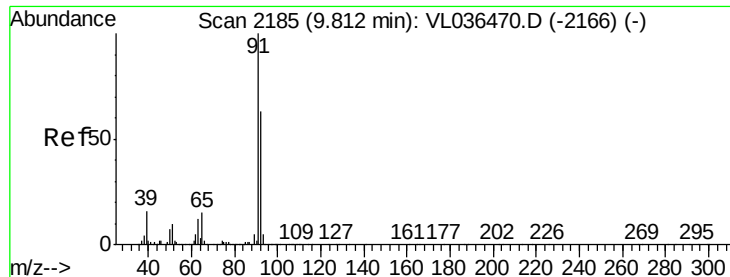
Tot Ion: 43 Resp: 1441166
Ion Ratio Lower Upper
43 100
58 46.8 37.7 56.5
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 8.195 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL036479.D
Acq: 25 Mar 2021 9:05

Tgt Ion: 164 Resp: 1075383
Ion Ratio Lower Upper
164 100
166 126.3 98.3 147.5
129 109.1 85.8 128.8
131 99.5 80.9 121.3





#53

Toluene

Concen: 9.538 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

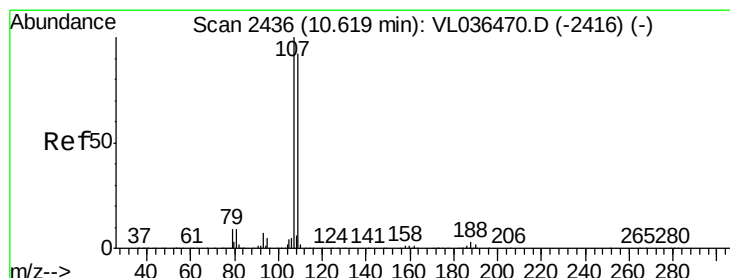
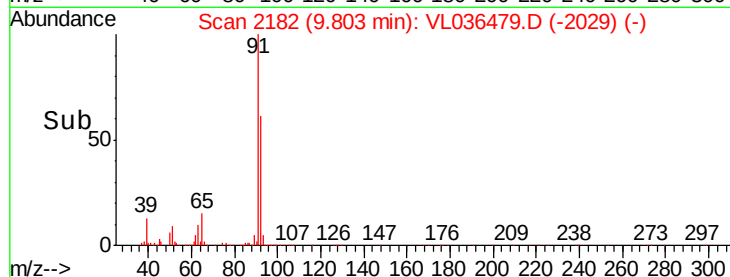
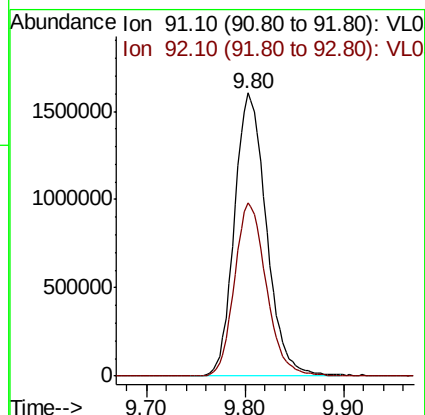
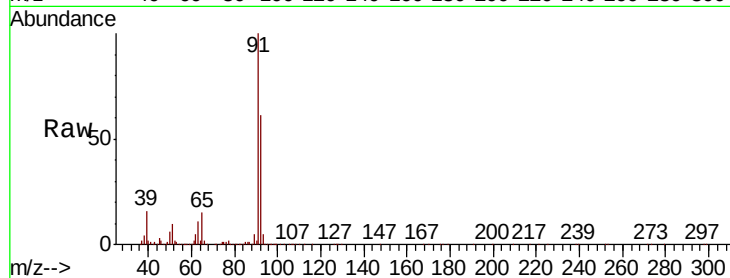
Acq: 25 Mar 2021 9:05

Tot Ion: 91 Resp: 3619718

Ion Ratio Lower Upper

91 100

92 61.2 48.8 73.2



#54

1,2-Dibromoethane

Concen: 8.916 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL036479.D

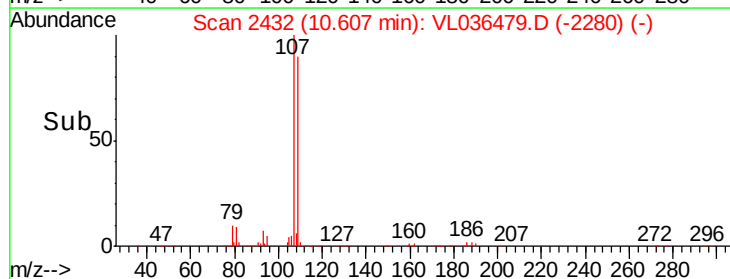
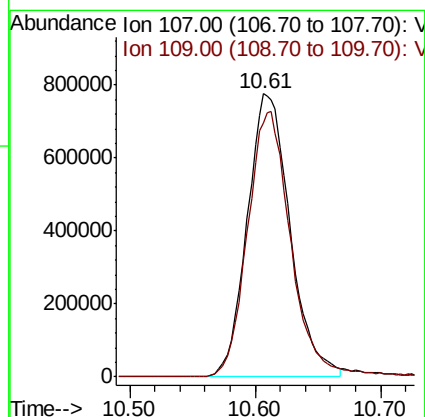
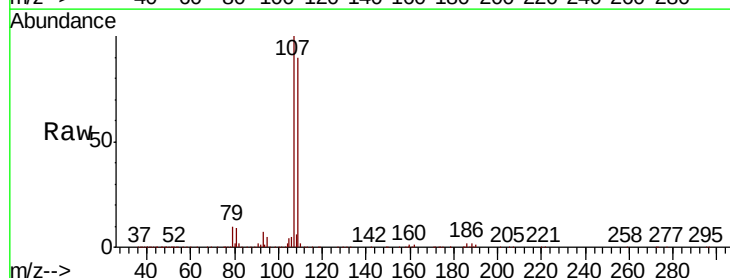
Acq: 25 Mar 2021 9:05

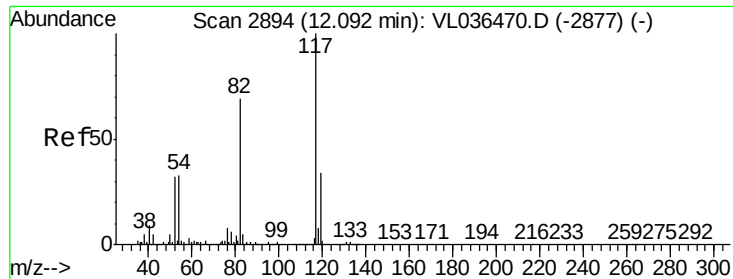
Tgt Ion: 107 Resp: 1843527

Ion Ratio Lower Upper

107 100

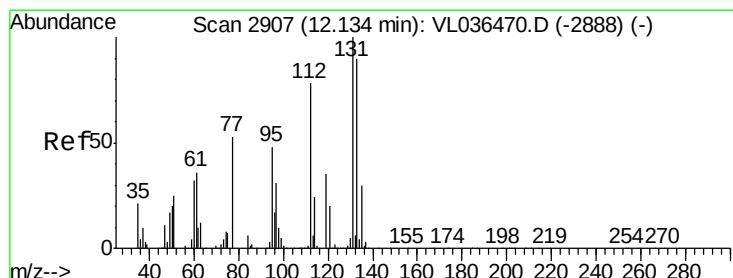
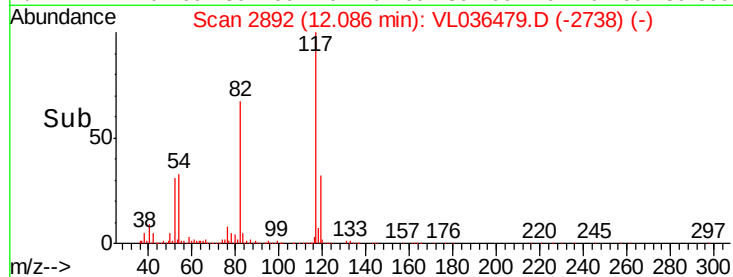
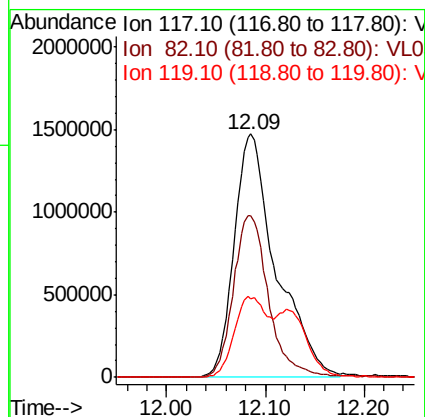
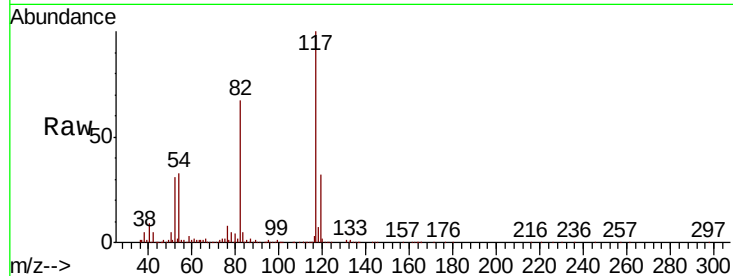
109 89.9 73.9 110.9





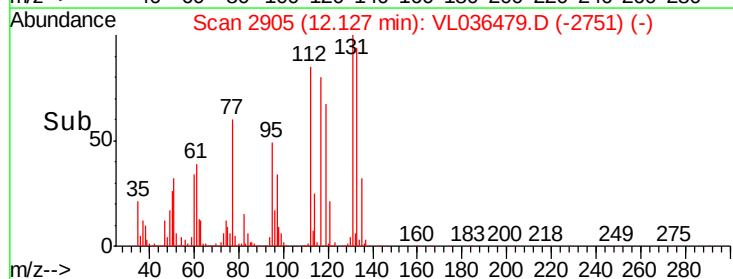
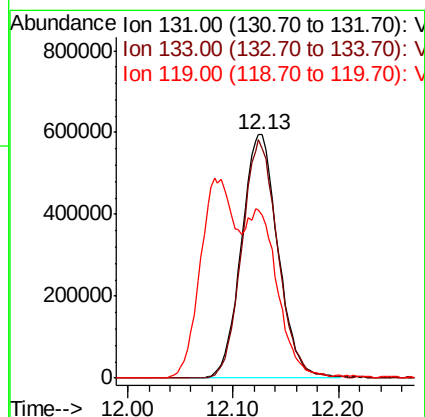
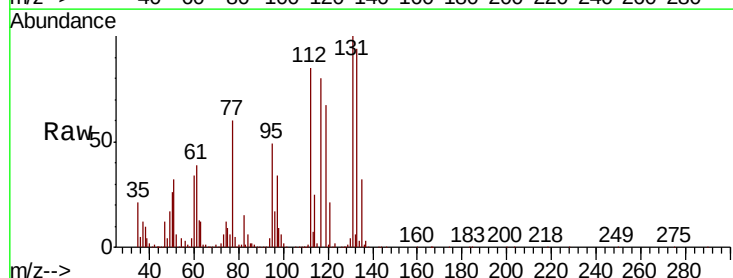
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 9:05

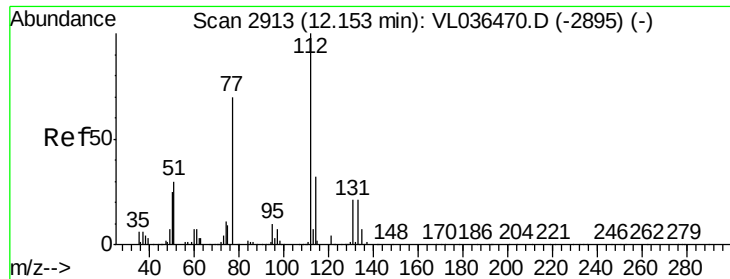
Tot Ion:117 Resp: 4360709
 Ion Ratio Lower Upper
 117 100
 82 56.4 57.4 86.0#
 119 47.1 47.4 71.0#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.282 ppbv
 RT: 12.13 min Scan# 2905
 Delta R.T. -0.01 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

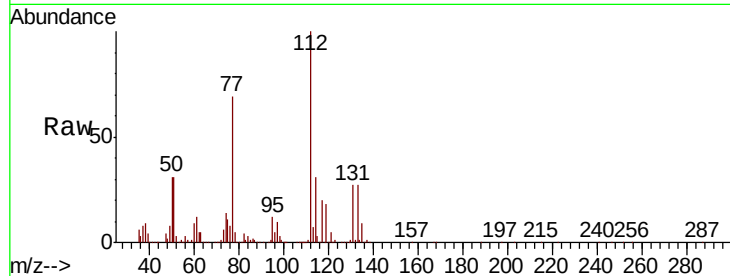
Tgt Ion:131 Resp: 1436223
 Ion Ratio Lower Upper
 131 100
 133 96.4 75.8 113.6
 119 143.0 48.7 73.1#



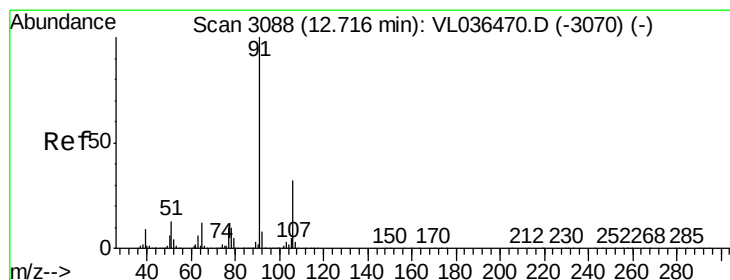
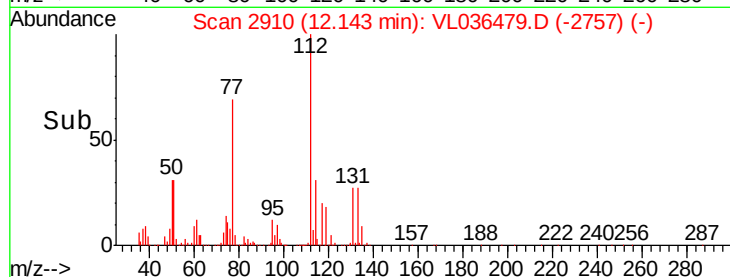
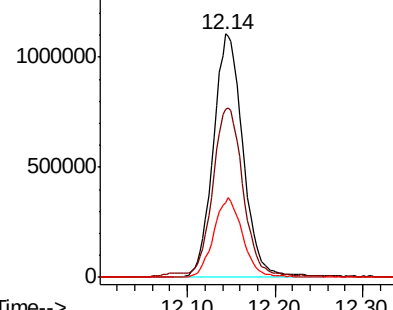


#57
Chlorobenzene
Concen: 7.008 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 9:05

Tot Ion: 112 Resp: 2600273
Ion Ratio Lower Upper
112 100
77 68.7 56.0 84.0
114 30.7 29.0 35.4

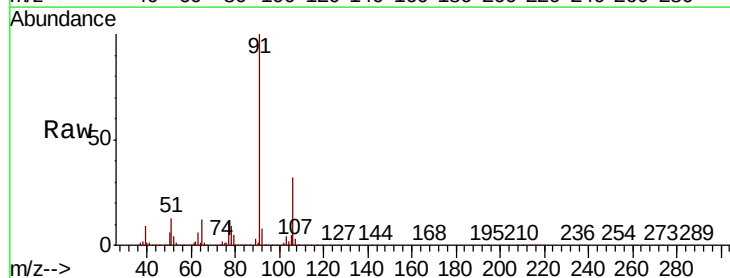


Abundance Ion 112.10 (111.80 to 112.80): V
1500000
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

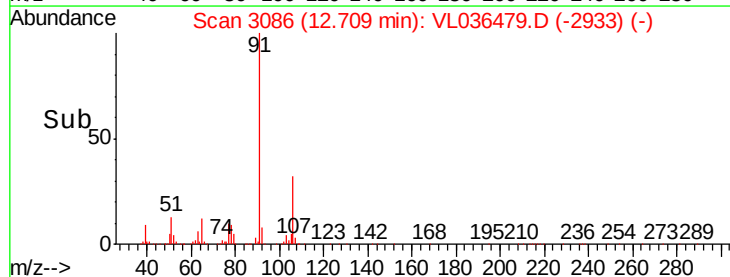
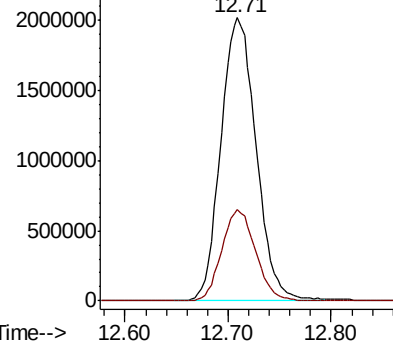


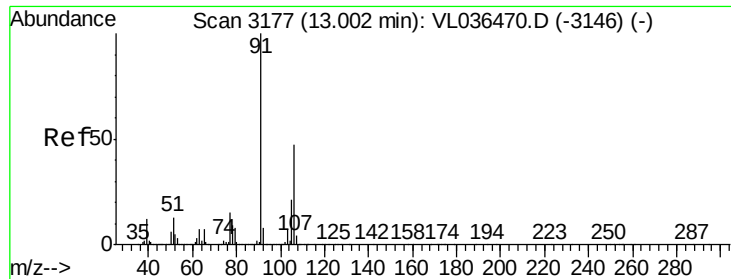
#58
Ethyl Benzene
Concen: 7.572 ppbv
RT: 12.71 min Scan# 3086
Delta R.T.: -0.01 min
Lab File: VL036479.D
Acq: 25 Mar 2021 9:05

Tgt Ion: 91 Resp: 4804036
Ion Ratio Lower Upper
91 100
106 32.4 25.3 37.9



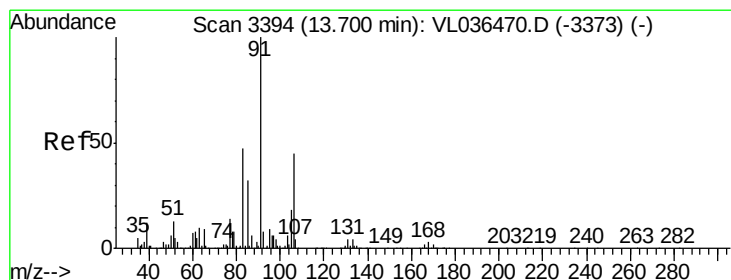
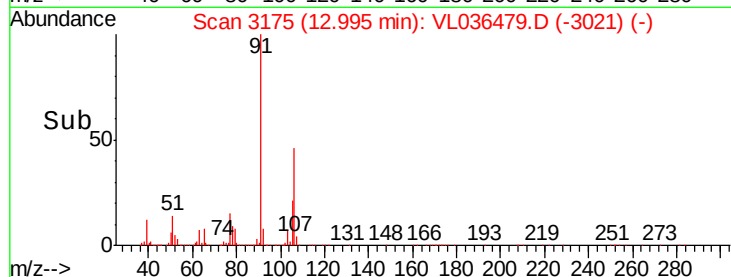
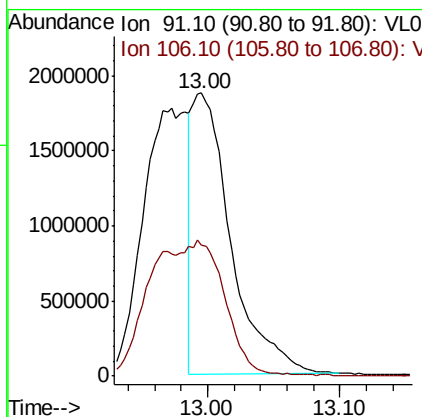
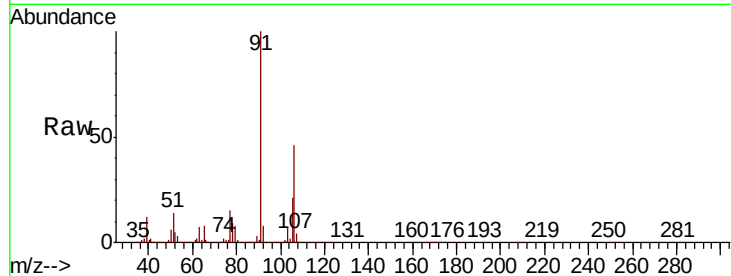
Abundance Ion 91.10 (90.80 to 91.80): VL0
2000000
Ion 106.10 (105.80 to 106.80): V





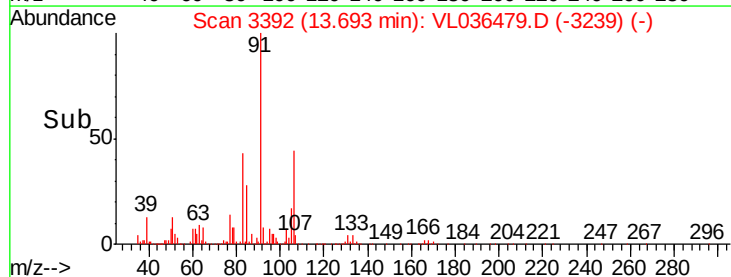
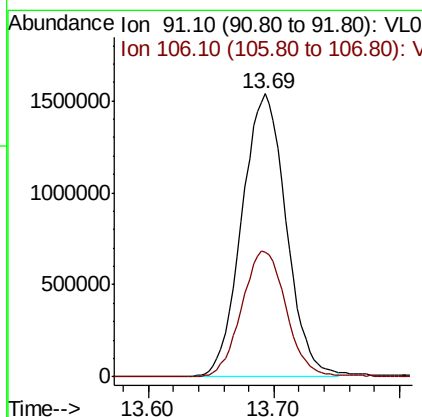
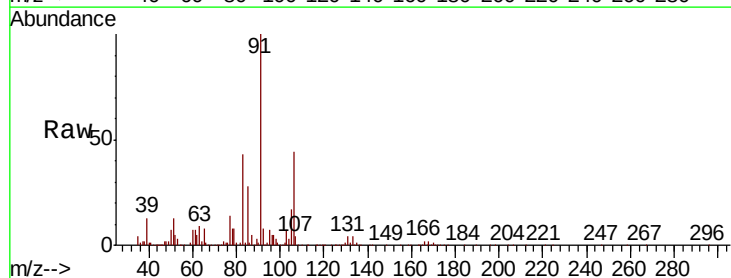
#59
m/p-Xylene
Concen: 6.836 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 9:05

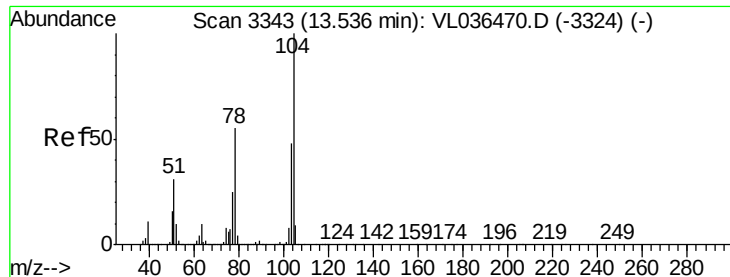
Tot Ion: 91 Resp: 3782975
Ion Ratio Lower Upper
91 100
106 94.0 35.3 52.9#



#60
o-Xylene
Concen: 7.024 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL036479.D
Acq: 25 Mar 2021 9:05

Tgt Ion: 91 Resp: 3758323
Ion Ratio Lower Upper
91 100
106 45.1 22.3 66.9

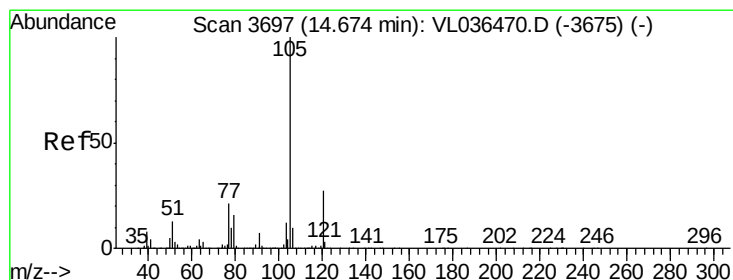
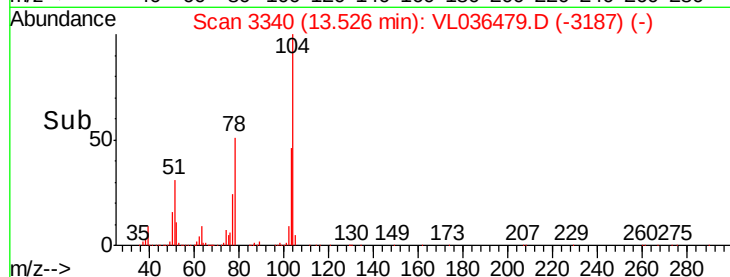
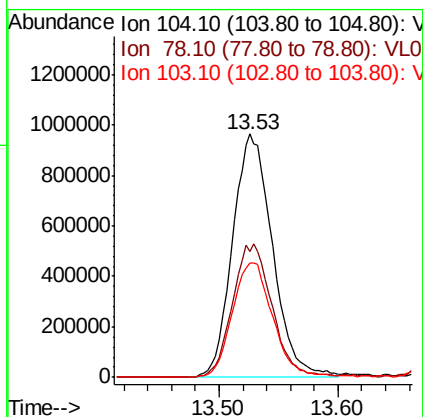
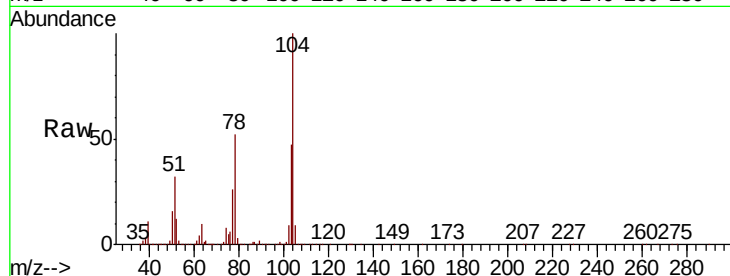




#61
Stvrene
Concen: 8.295 ppbv
RT: 13.53 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 9:05

Tot Ion:104 Resp: 2232722

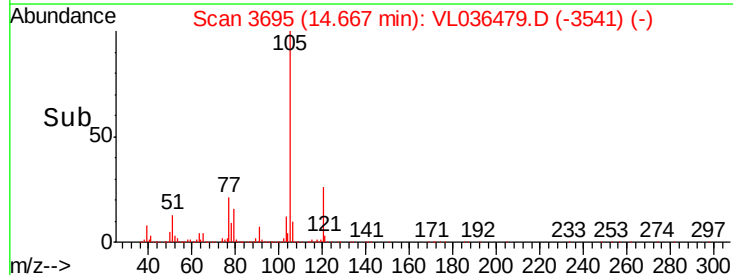
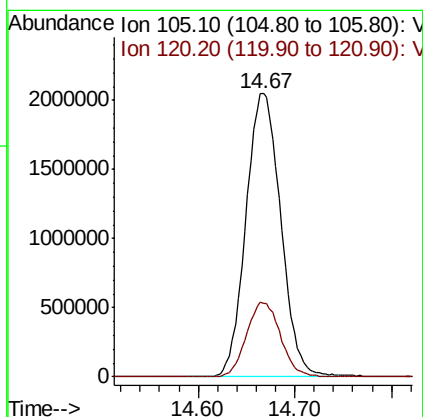
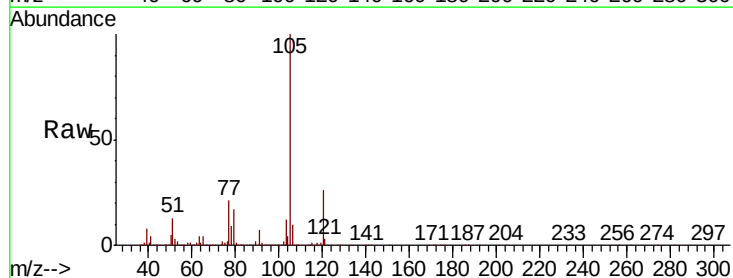
Ion	Ratio	Lower	Upper
104	100		
78	55.2	43.8	65.8
103	48.3	38.3	57.5

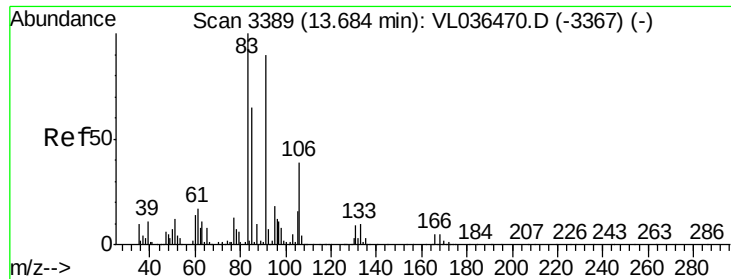


#62
Isopropylbenzene
Concen: 7.122 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL036479.D
Acq: 25 Mar 2021 9:05

Tgt Ion:105 Resp: 5131317

Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.6	31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 6.396 ppbv

RT: 13.68 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 9:05

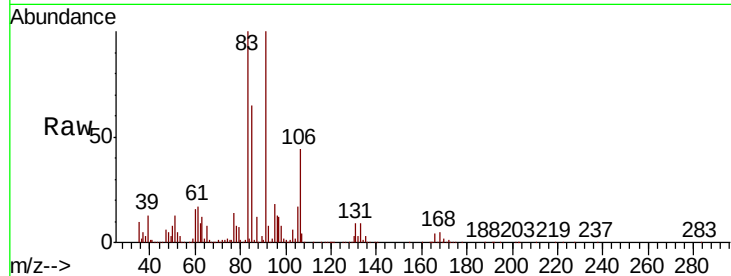
Tot Ion: 83 Resp: 2610513

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.0

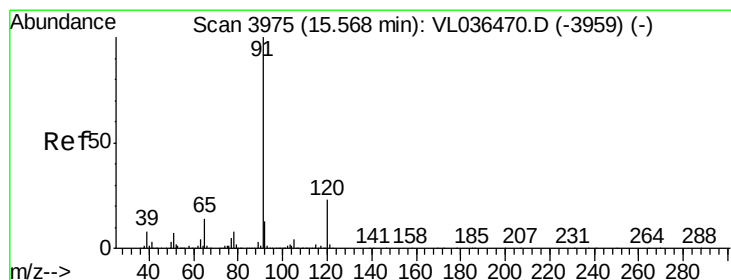
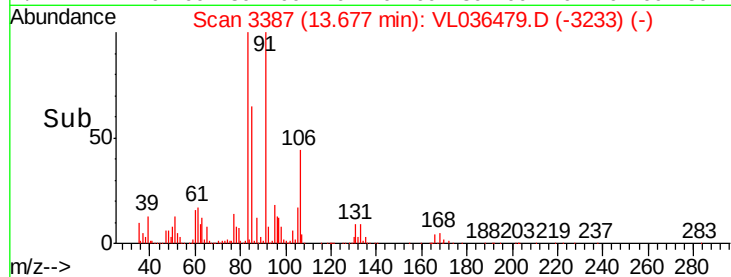
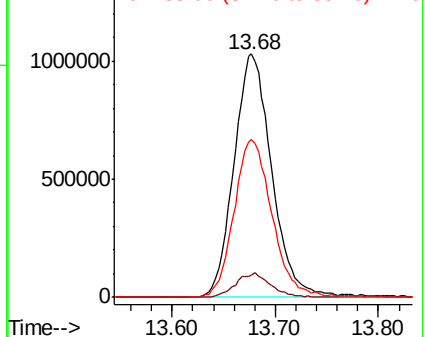
85 65.9 33.1 99.3



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: 7.564 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL036479.D

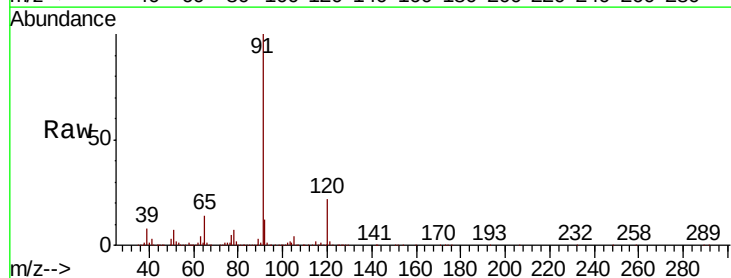
Acq: 25 Mar 2021 9:05

Tgt Ion: 120 Resp: 1332462

Ion Ratio Lower Upper

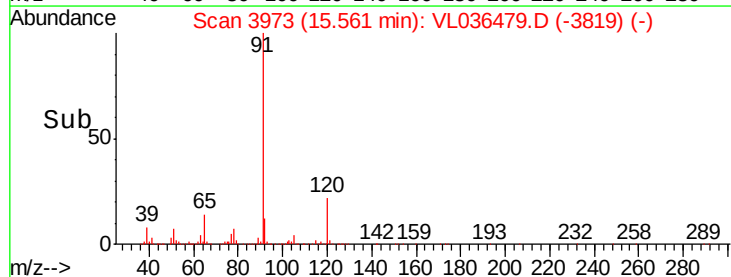
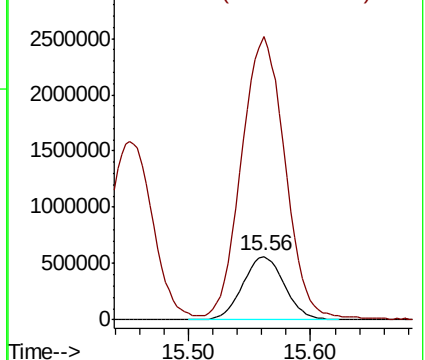
120 100

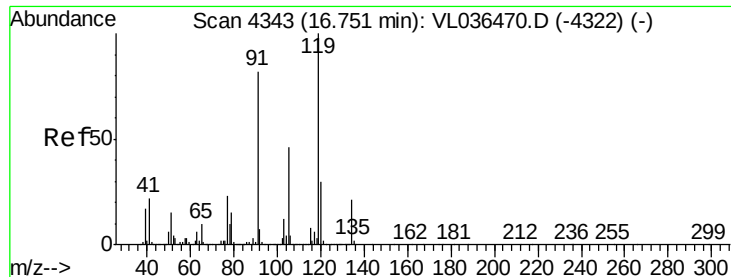
91 470.7 377.4 566.2



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

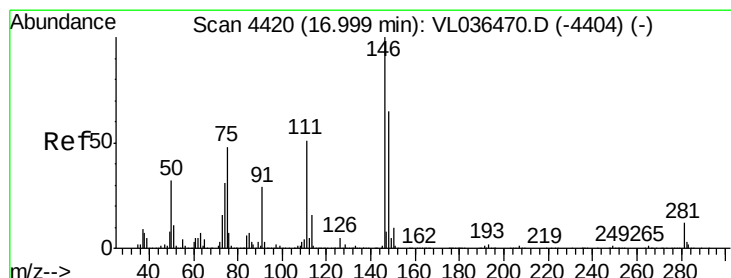
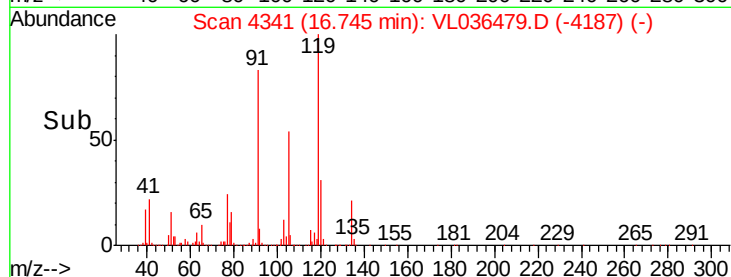
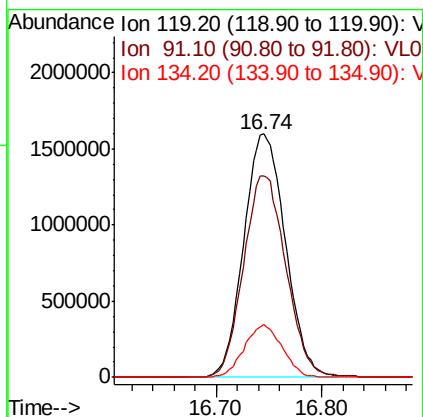
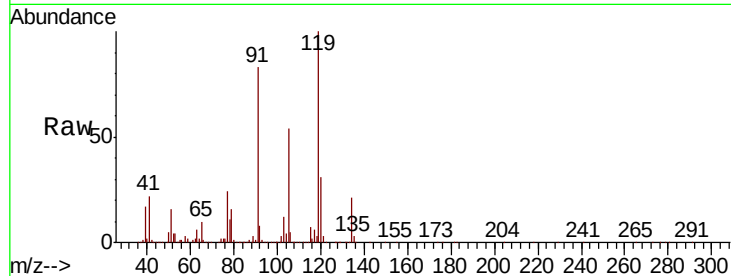




#65
 tert-Butylbenzene
 Concen: 7.028 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 9:05

Tot Ion: 119 Resp: 4391292

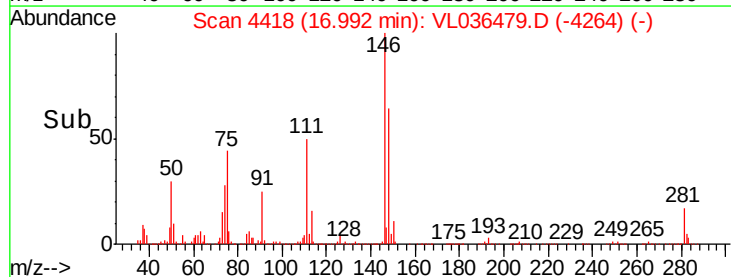
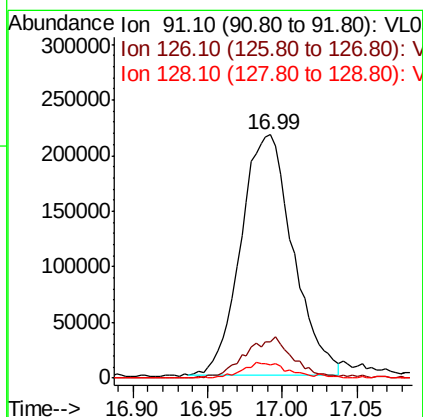
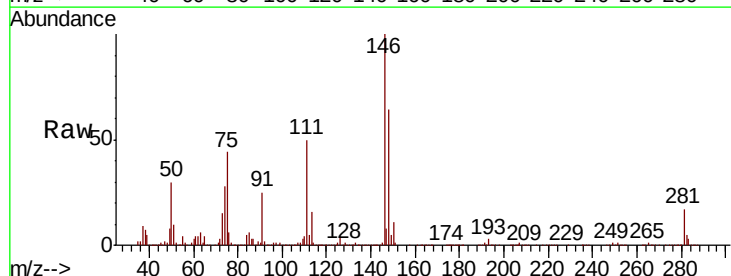
Ion	Ratio	Lower	Upper
119	100		
91	84.4	67.5	101.3
134	19.9	15.8	23.8

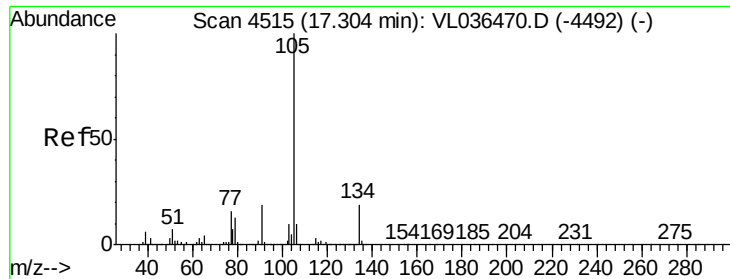


#66
 Benzyl Chloride
 Concen: 7.555 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T.: -0.01 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

Tgt Ion: 91 Resp: 521724

Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.5	20.3
128	5.9	4.2	6.4





#67

sec-Butylbenzene

Concen: 7.004 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

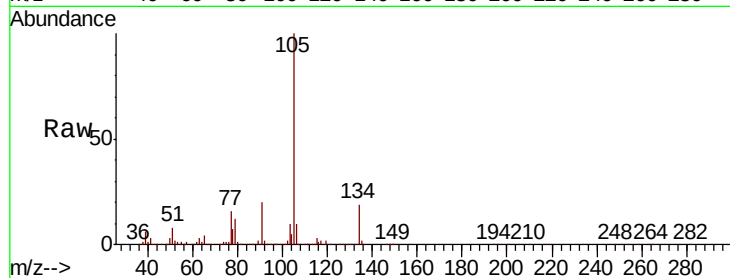
Acq: 25 Mar 2021 9:05

Tot Ion: 105 Resp: 6176983

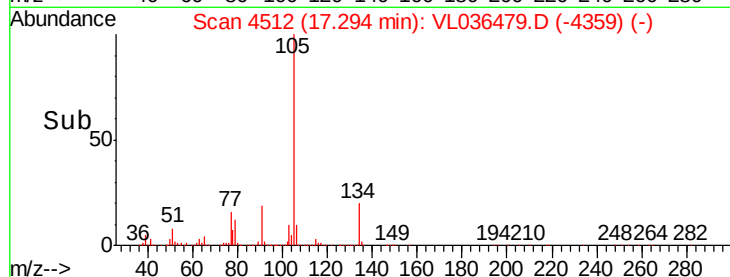
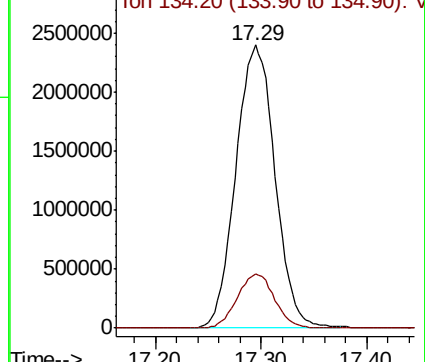
Ion Ratio Lower Upper

105 100

134 18.4 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.534 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

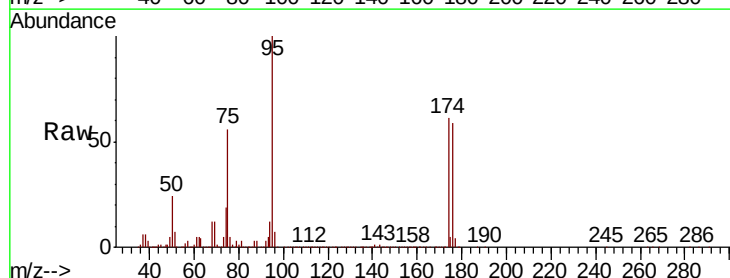
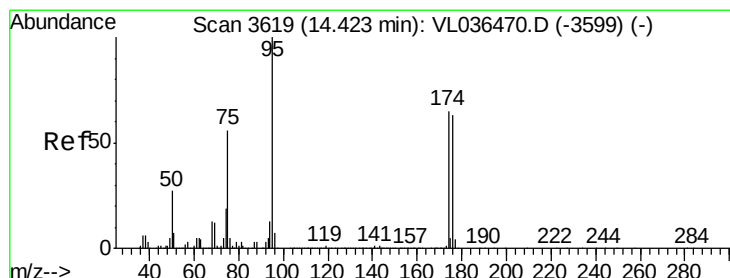
Tgt Ion: 95 Resp: 2966050

Ion Ratio Lower Upper

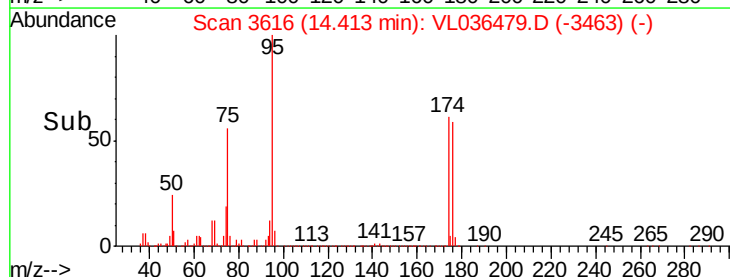
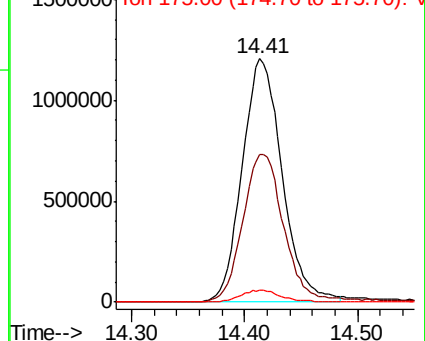
95 100

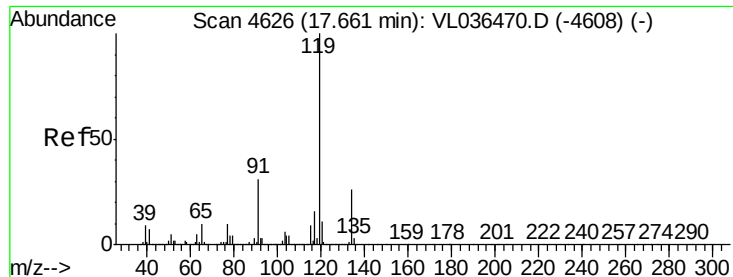
174 63.4 51.0 76.6

175 4.9 3.9 5.9



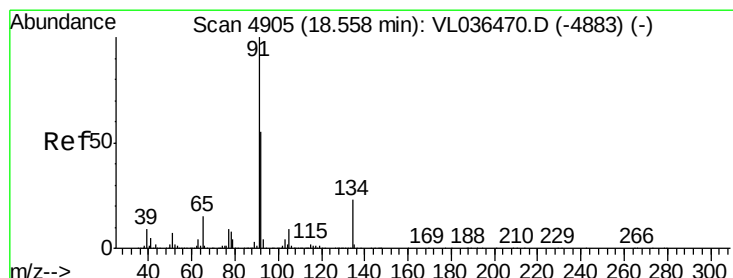
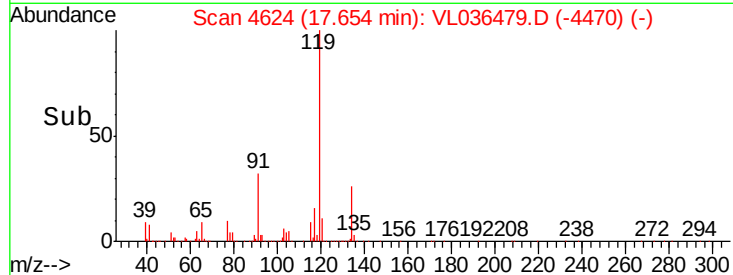
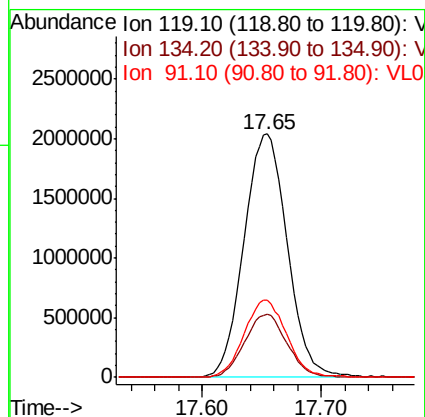
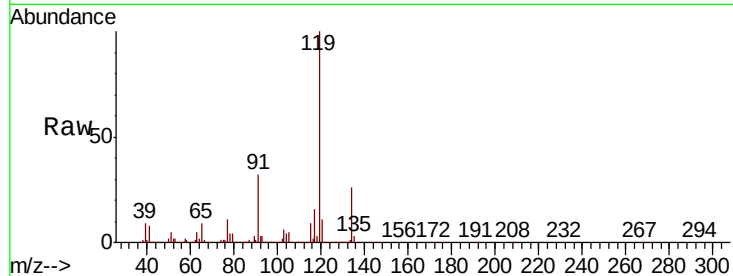
Abundance Ion 95.10 (94.80 to 95.80): VL0





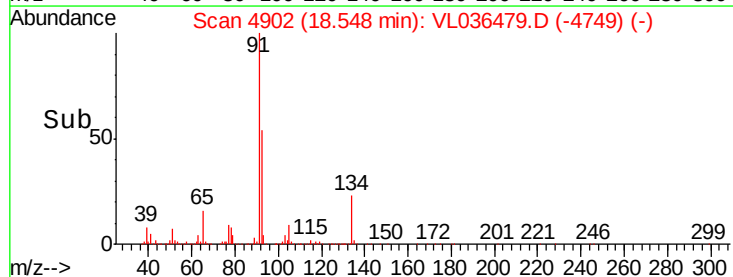
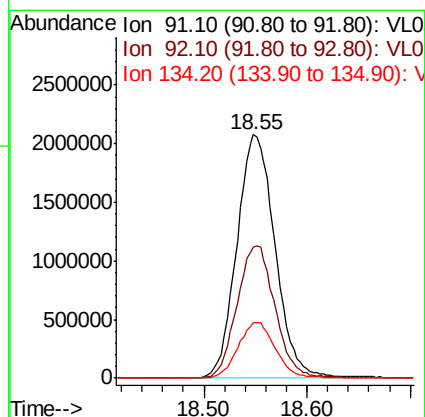
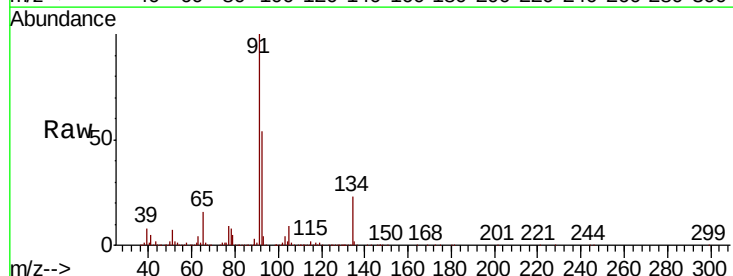
#69
 p-Isopropyltoluene
 Concen: 7.427 ppbv
 RT: 17.65 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 9:05

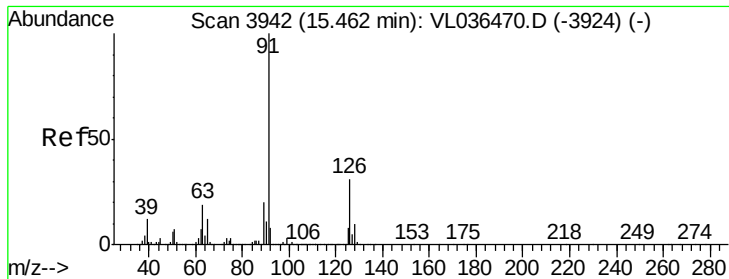
Tot Ion: 119 Resp: 5114853
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 31.3 25.0 37.6



#70
 n-Butylbenzene
 Concen: 7.457 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T.: -0.01 min
 Lab File: VL036479.D
 Acq: 25 Mar 2021 9:05

Tgt Ion: 91 Resp: 5324511
 Ion Ratio Lower Upper
 91 100
 92 54.7 43.8 65.8
 134 22.4 18.0 27.0





#71

2-Chlorotoluene

Concen: 7.251 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File:

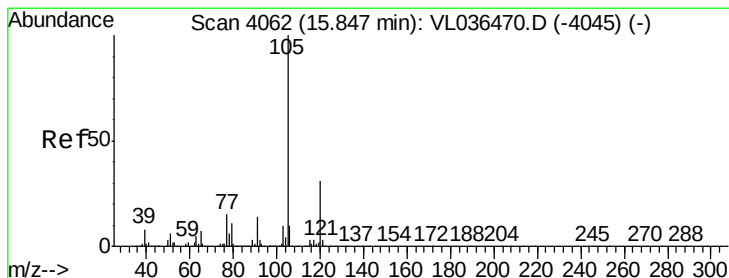
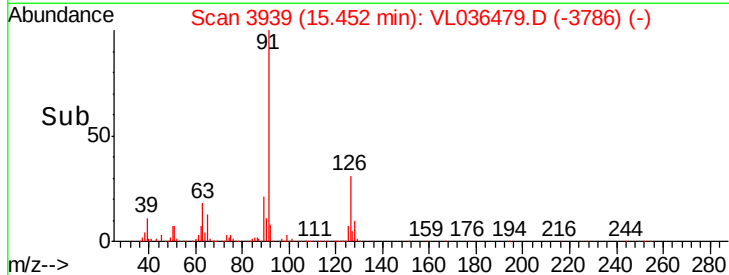
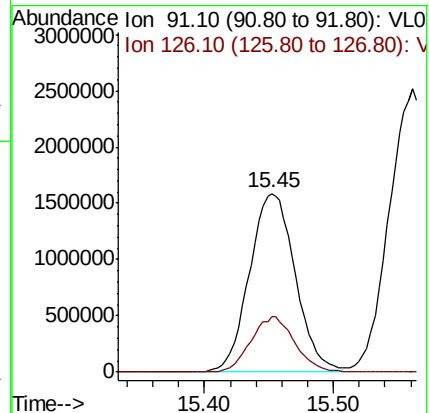
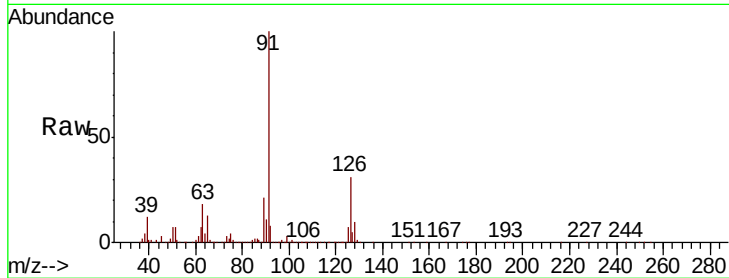
Acq: 25 Mar 2021 9:05

Tot Ion: 91 Resp: 3915070

Ion Ratio Lower Upper

91 100

126 30.1 12.1 48.5



#72

4-Ethyltoluene

Concen: 7.218 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

Tgt Ion: 105 Resp: 4231837

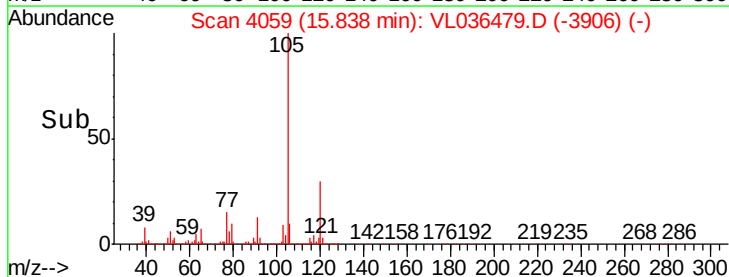
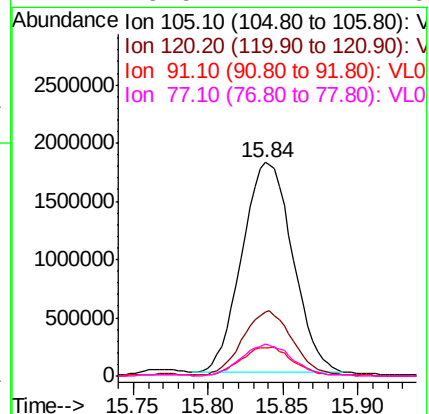
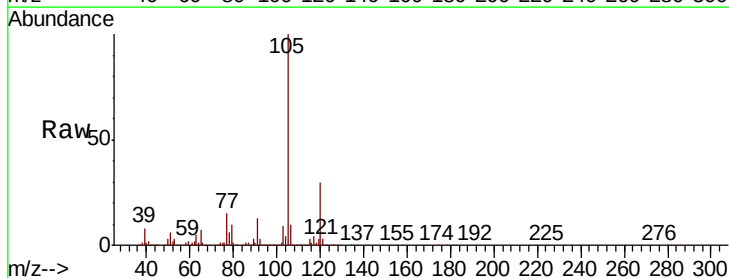
Ion Ratio Lower Upper

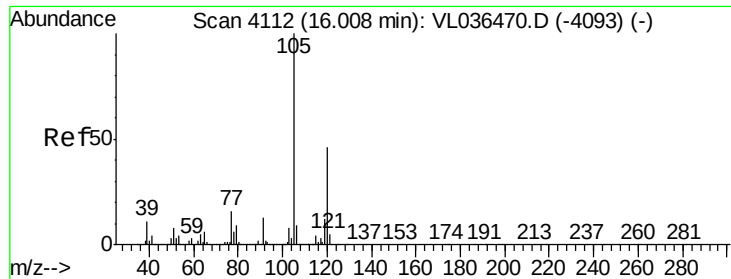
105 100

120 30.9 24.0 36.0

91 15.2 11.0 16.4

77 15.5 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.261 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

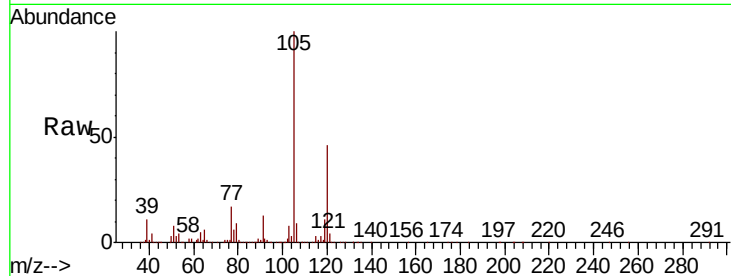
Acq: 25 Mar 2021 9:05

Tot Ion:105 Resp: 3973219

Ion Ratio Lower Upper

105 100

120 45.8 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

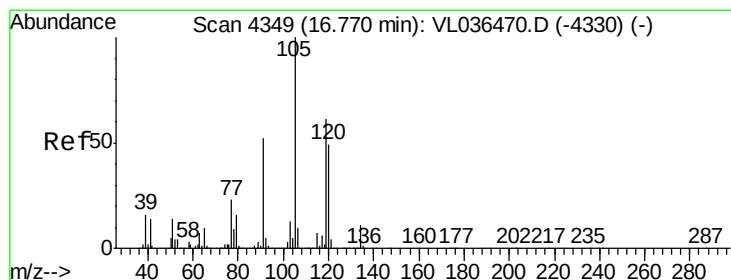
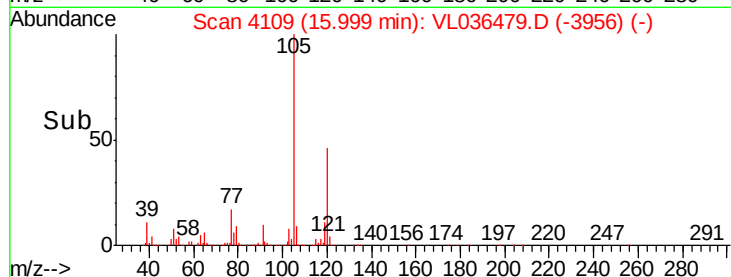
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.971 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

Tgt Ion:105 Resp: 4081820

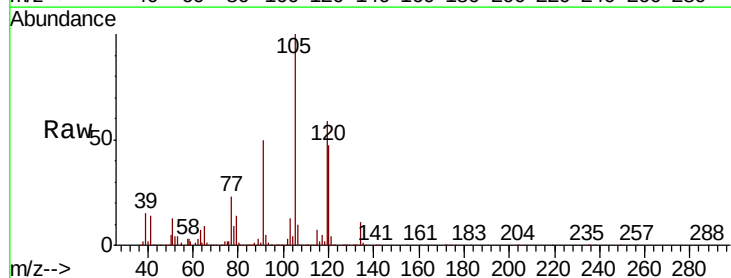
Ion Ratio Lower Upper

105 100

120 47.1 39.2 58.8

91 49.7 42.6 64.0

77 23.1 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

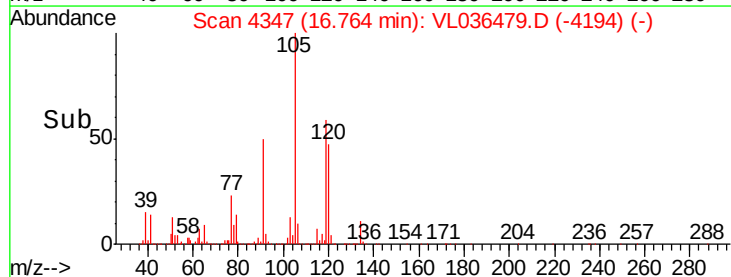
1000000

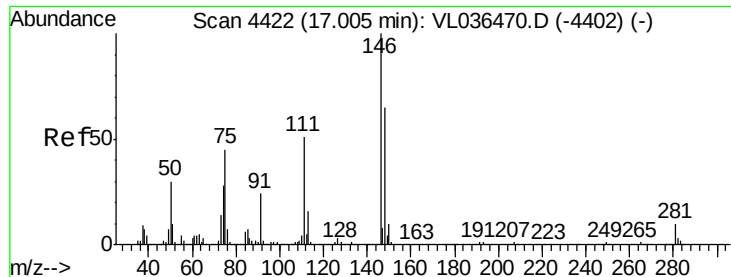
500000

0

16.70 16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 6.843 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File:

Acq: 25 Mar 2021 9:05

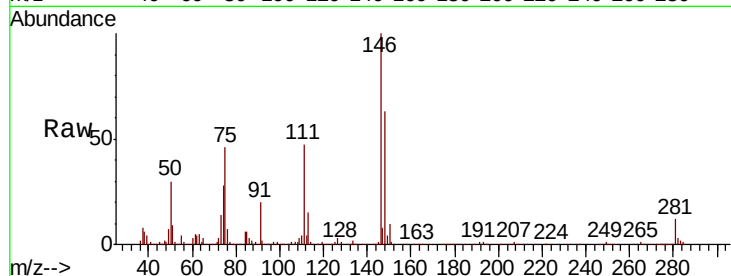
Tot Ion:146 Resp: 2255336

Ion Ratio Lower Upper

146 100

111 48.8 24.5 73.5

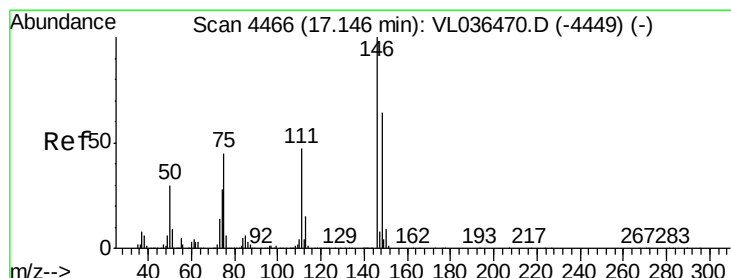
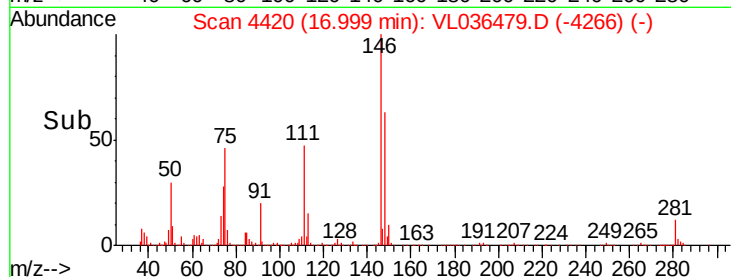
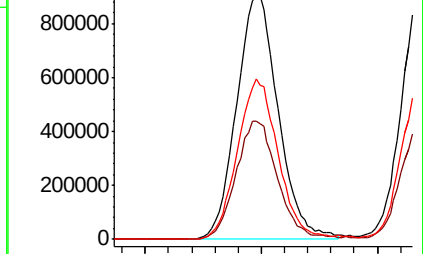
148 64.9 32.3 96.9



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: 6.688 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

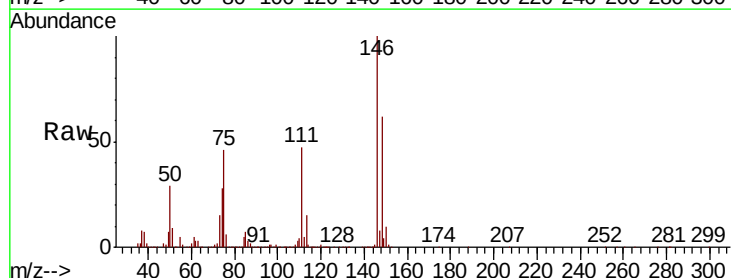
Tgt Ion:146 Resp: 2188634

Ion Ratio Lower Upper

146 100

111 47.8 24.3 72.8

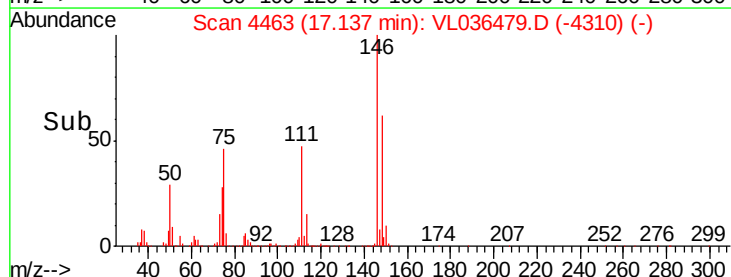
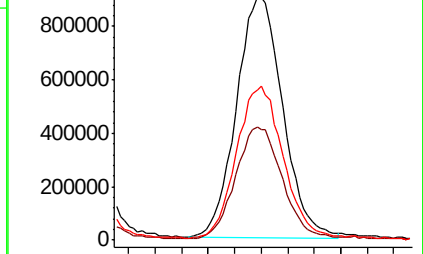
148 66.3 33.0 98.9

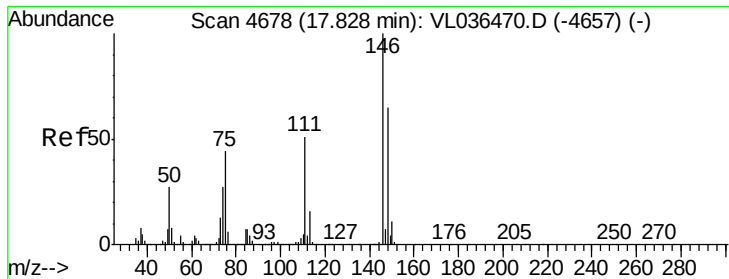


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.919 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File:

Acq: 25 Mar 2021 9:05

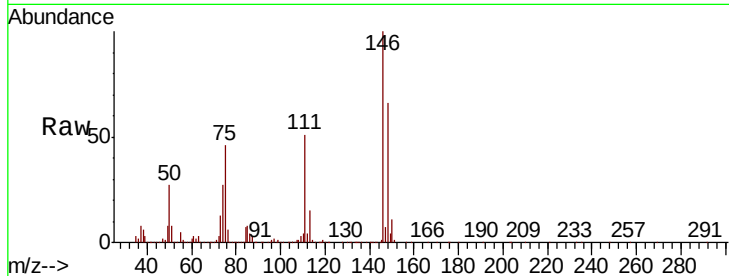
Tot Ion:146 Resp: 2143760

Ion Ratio Lower Upper

146 100

111 50.5 25.5 76.5

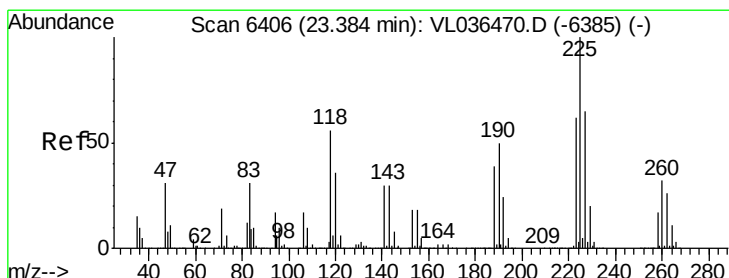
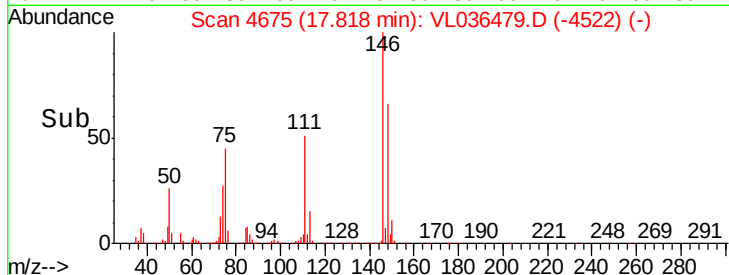
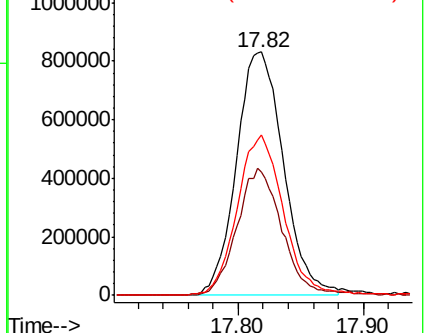
148 66.0 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.755 ppbv

RT: 23.37 min Scan# 6403

Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

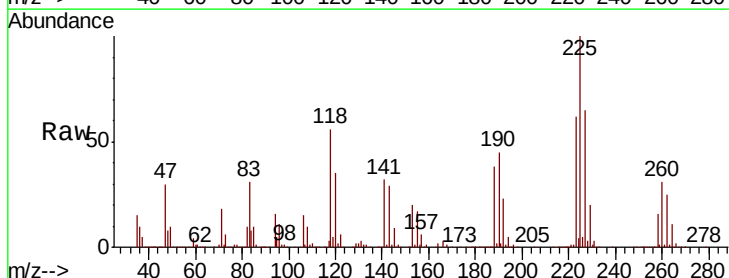
Tgt Ion:225 Resp: 1874362

Ion Ratio Lower Upper

225 100

223 64.8 50.6 75.8

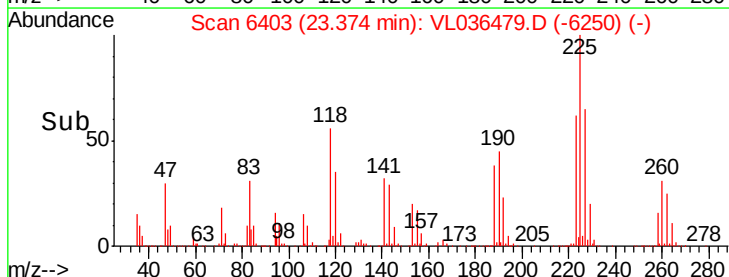
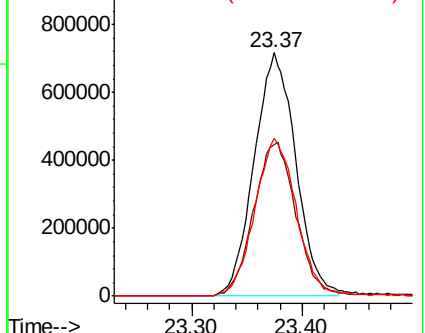
227 64.9 52.2 78.2

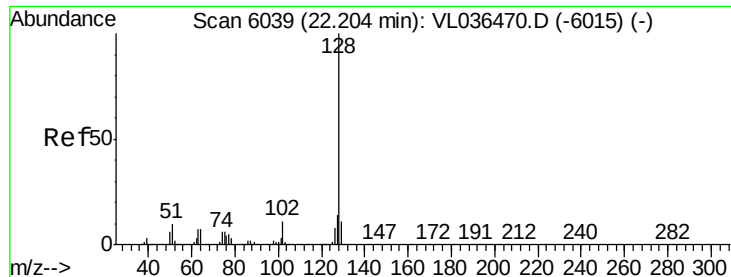


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.939 ppbv

RT: 22.19

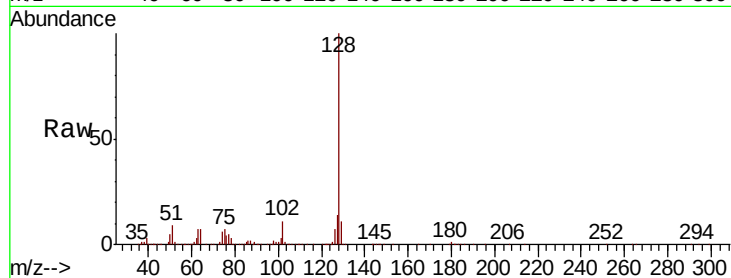
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 9:05

Tot Ion:128 Resp: 3395985

Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.9	16.3
129	11.4	9.0	13.4

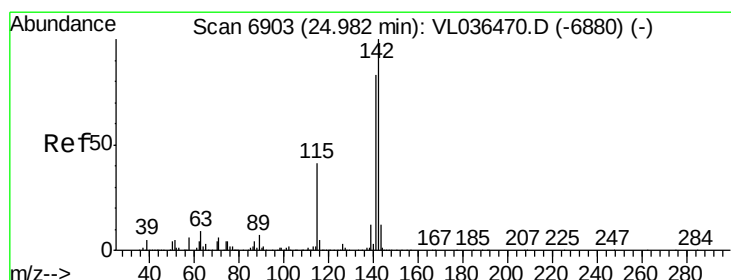
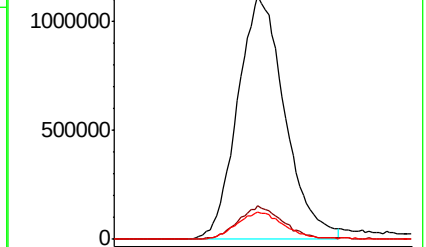
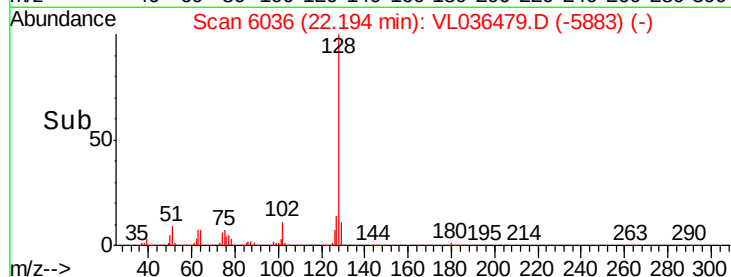


Abundance

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: 12.601 ppbv

RT: 24.97 min Scan# 6900

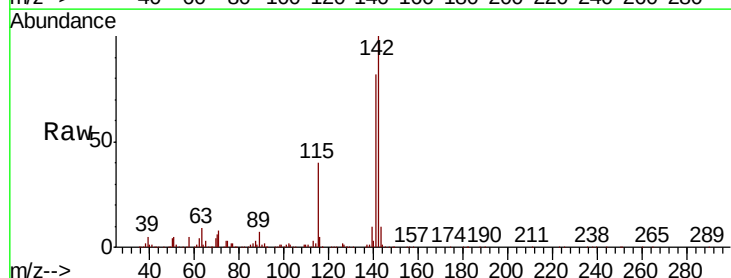
Delta R.T. -0.01 min

Lab File: VL036479.D

Acq: 25 Mar 2021 9:05

Tgt Ion:142 Resp: 849090

Ion	Ratio	Lower	Upper
142	100		
141	81.7	67.8	101.8
115	42.8	34.0	51.0

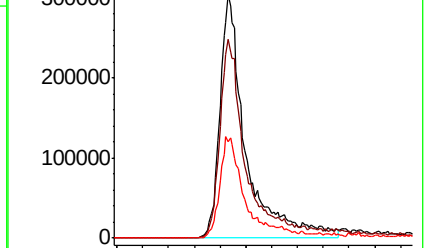
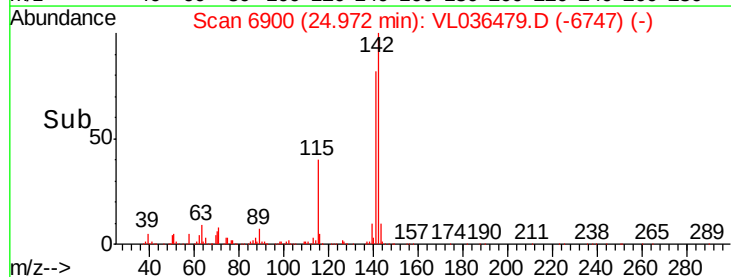


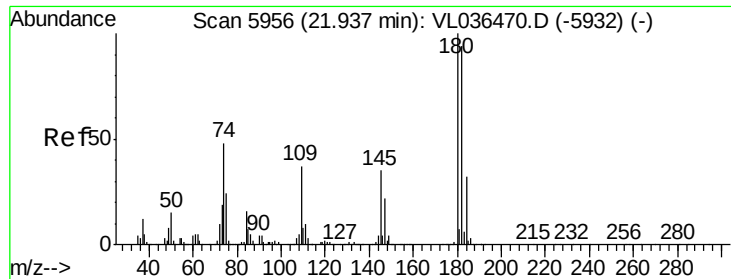
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.560 ppbv

RT: 21.93

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 9:05

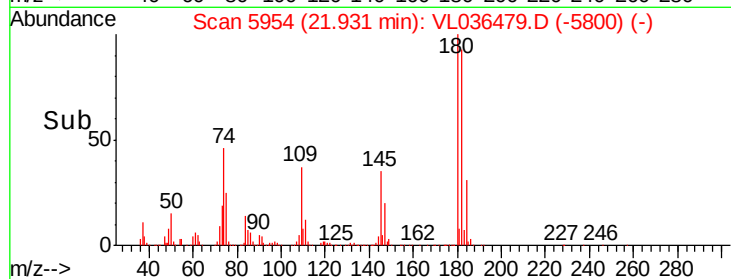
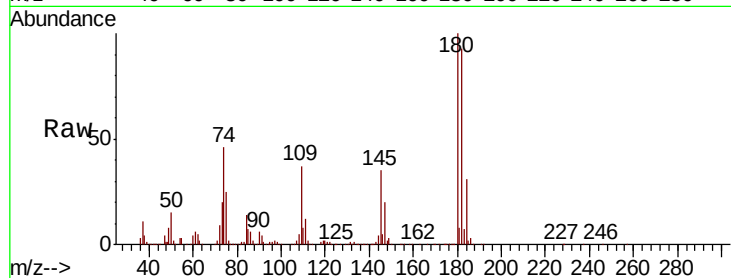
Tot Ion:180 Resp: 1805932

Ion Ratio Lower Upper

180 100

182 103.8 80.8 121.2

184 33.2 25.0 37.4



Abundance Ion 180.00 (179.70 to 180.70): V

800000 Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

