

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036471.D
 Acq On : 25 Mar 2021 2:42
 Operator :
 Sample : VSTDICC02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 25 07:53:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 07:52:30 2021
 QLast Update : Thu Mar 25 07:52:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1640650	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3906966	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3665586	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2815908	9.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	547511	2.310	ppbv	93
3) Chlorodifluoromethane	2.99	51	654781	3.058	ppbv	99
4) Chloromethane	3.14	50	230942	2.438	ppbv	97
5) Vinyl Chloride	3.26	62	226050	2.523	ppbv	97
6) Bromomethane	3.47	94	128542	2.314	ppbv	86
7) Chloroethane	3.56	64	78744	2.353	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	564446	2.461	ppbv	99
9) Propene	3.01	41	210766	2.418	ppbv	100
10) Heptane	8.12	43	558484	2.593	ppbv	100
11) Trichlorofluoromethane	3.95	101	593904	2.467	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	366853	2.374	ppbv	98
13) Ethanol	3.61	45	12580	1.006	ppbv #	34
14) Bromoethene	3.74	108	157990	2.468	ppbv	100
15) Acetone	3.85	43	362993	1.983	ppbv #	83
16) 1,3-Butadiene	3.33	39	236134	2.489	ppbv	99
17) tert-Butyl alcohol	4.30	59	270419	1.845	ppbv	99
18) 1,1-Dichloroethene	4.29	96	155145	2.246	ppbv	97
19) Isopropyl Alcohol	3.97	45	133027	1.302	ppbv #	94
20) Methylene Chloride	4.34	84	160333	2.435	ppbv	98
21) Allyl Chloride	4.41	41	271741	2.461	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	145362	2.309	ppbv	99
23) Vinyl Acetate	5.08	43	629657	2.826	ppbv	97
24) 1,1-Dichloroethane	5.01	63	421306	2.426	ppbv	99
25) Ethyl Acetate	5.68	43	822264	2.242	ppbv	99
26) Hexane	5.69	57	392648	2.536	ppbv	98
27) Carbon Disulfide	4.55	76	388665	2.549	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	439147	2.168	ppbv	97
29) Chloroform	5.75	83	607656	2.419	ppbv	98
30) Cyclohexane	7.13	84	308186	2.407	ppbv #	82
31) cis-1,2-Dichloroethene	5.55	61	380147	2.535	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	588934	2.341	ppbv	96
34) 2-Butanone	5.25	43	397490	1.742	ppbv	97
35) Carbon Tetrachloride	7.02	117	622314	2.421	ppbv	94
36) Benzene	6.89	78	787411	2.530	ppbv	99
37) 1,2-Dichloroethane	6.31	62	444533	2.286	ppbv	99
38) Trichloroethene	7.84	130	132074	1.131	ppbv	96
39) 1,2-Dichloropropane	7.61	63	318855	2.400	ppbv	98
40) 1,4-Dioxane	7.86	88	53864	1.327	ppbv #	1
41) Tetrahydrofuran	6.06	42	169246	1.398	ppbv	99
42) Bromodichloromethane	7.79	83	624209	2.375	ppbv	99
43) Methyl Methacrylate	8.02	69	261174	2.145	ppbv	97

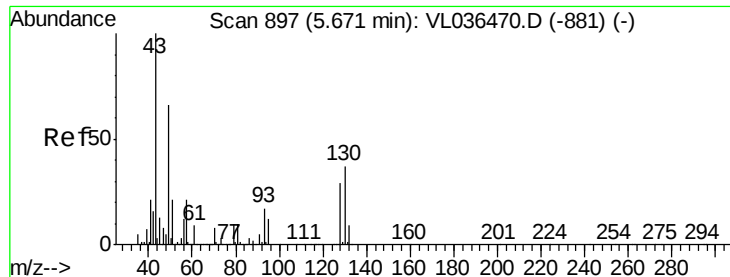
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036471.D
 Acq On : 25 Mar 2021 2:42
 Operator :
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Quant Time: Mar 25 07:53:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 07:52:30 2021
 QLast Update : Thu Mar 25 07:52:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1434989	2.545	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	292075	2.401	ppbv	91
46) cis-1,3-Dichloropropene	8.70	75	216329	1.362	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	325400	2.476	ppbv	89
48) Dibromochloromethane	10.31	129	492261	2.467	ppbv	100
49) Bromoform	13.04	173	394340	2.422	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	608009	1.850	ppbv	100
51) 2-Hexanone	10.15	43	308130	1.320	ppbv #	98
52) Tetrachloroethene	11.23	164	274329	2.365	ppbv	96
53) Toluene	9.81	91	859704	2.562	ppbv	100
54) 1,2-Dibromoethane	10.61	107	452708	2.395	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.13	131	354061	2.161	ppbv #	1
57) Chlorobenzene	12.15	112	667460	2.447	ppbv	97
58) Ethyl Benzene	12.72	91	1188541	2.527	ppbv	98
59) m/p-Xylene	13.00	91	1004584	2.430	ppbv #	30
60) o-Xylene	13.69	91	1007102	2.537	ppbv	98
61) Styrene	13.54	104	499434	2.139	ppbv	98
62) Isopropylbenzene	14.67	105	1341688	2.282	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	721865	2.351	ppbv	98
64) n-propylbenzene	15.57	120	329053	2.248	ppbv	84
65) tert-Butylbenzene	16.75	119	1217589	2.382	ppbv	97
66) Benzyl Chloride	17.00	91	99908	0.836	ppbv #	91
67) sec-Butylbenzene	17.30	105	1685151	2.364	ppbv	98
69) p-Isopropyltoluene	17.66	119	1327313	2.327	ppbv	99
70) n-Butylbenzene	18.55	91	1410203	2.394	ppbv	97
71) 2-Chlorotoluene	15.46	91	1022262	2.321	ppbv	98
72) 4-Ethyltoluene	15.84	105	1094788	2.533	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	1020840	2.451	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	1106162	2.503	ppbv	93
75) 1,3-Dichlorobenzene	17.00	146	579267	2.342	ppbv	95
76) 1,4-Dichlorobenzene	17.15	146	277899	1.126	ppbv #	14
77) 1,2-Dichlorobenzene	17.82	146	564600	2.347	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	263610	1.350	ppbv #	15
79) Naphthalene	22.21	128	315481	1.199	ppbv	95
80) Naphthalene, 2-methyl-	25.00	142	56592	1.011	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	390878	2.542	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 2:42

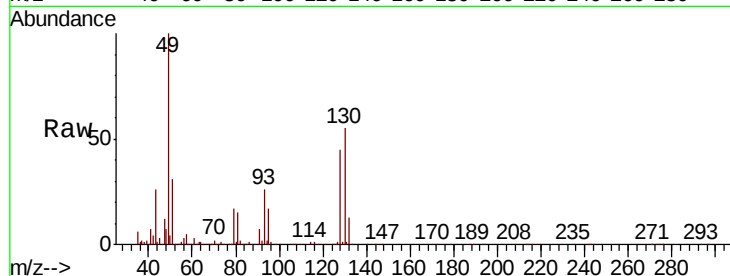
Tot Ion: 49 Resp: 1640650

Ion Ratio Lower Upper

49 100

128 45.4 23.6 70.8

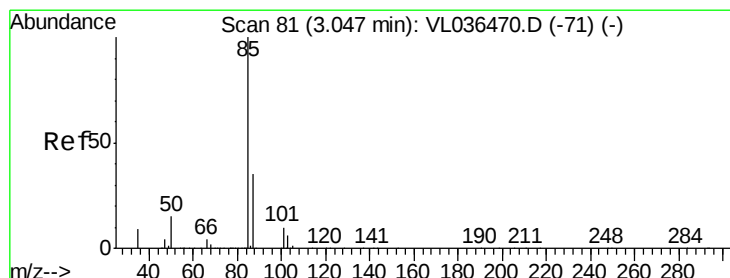
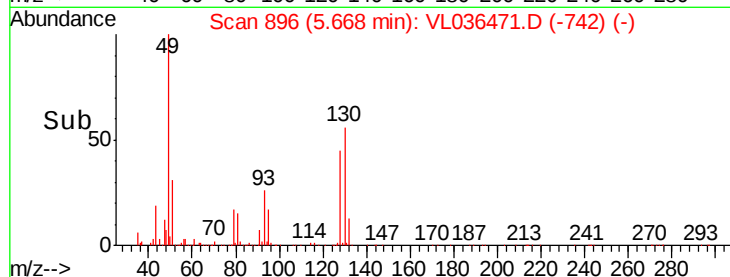
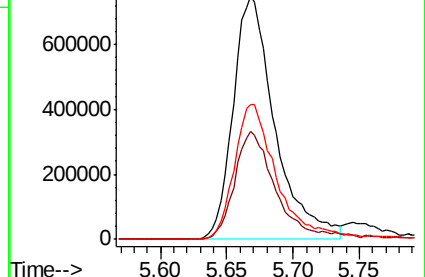
130 58.3 29.3 87.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 2.310 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL036471.D

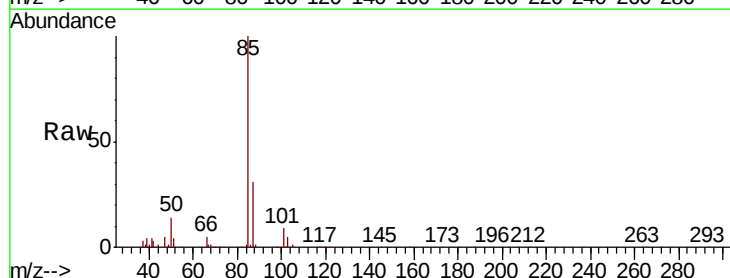
Acq: 25 Mar 2021 2:42

Tgt Ion: 85 Resp: 547511

Ion Ratio Lower Upper

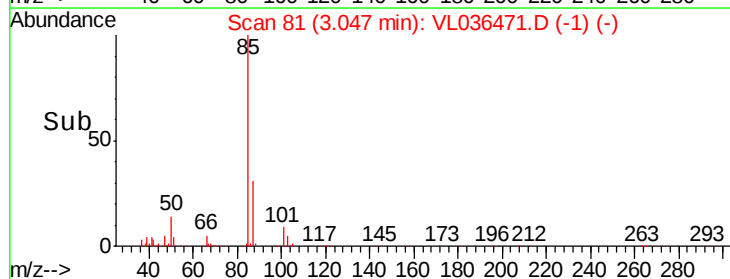
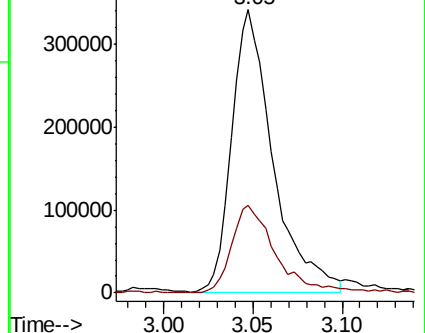
85 100

87 31.0 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

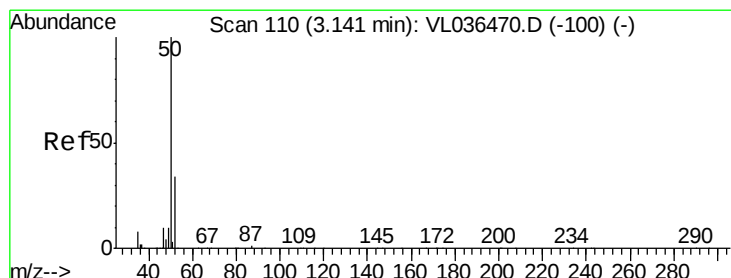
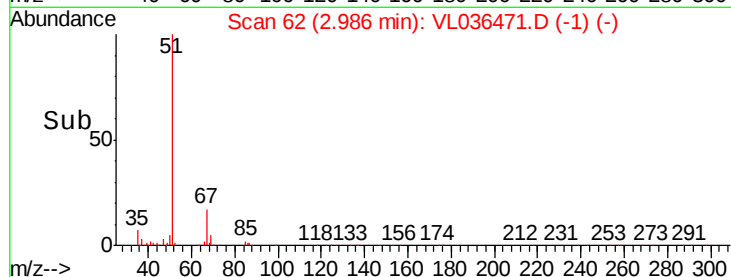
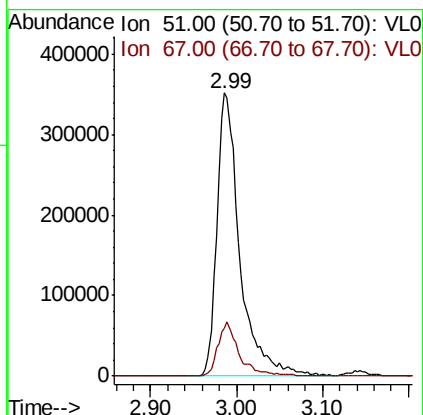
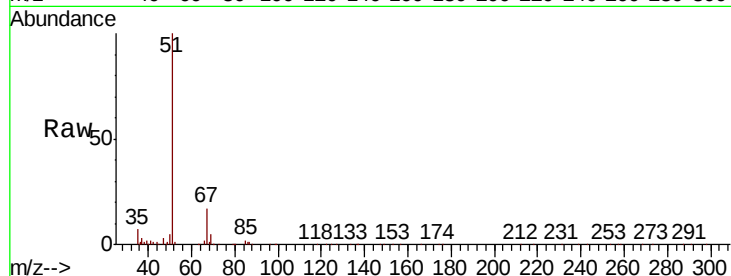
Ion 87.00 (86.70 to 87.70): VL0





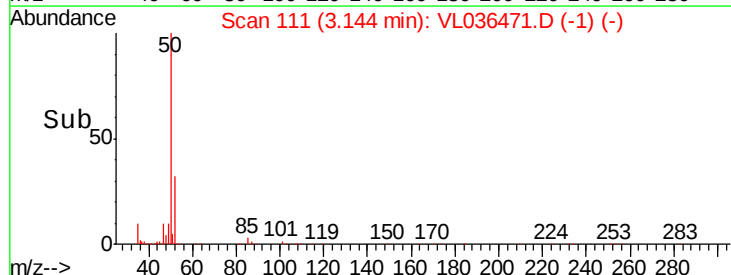
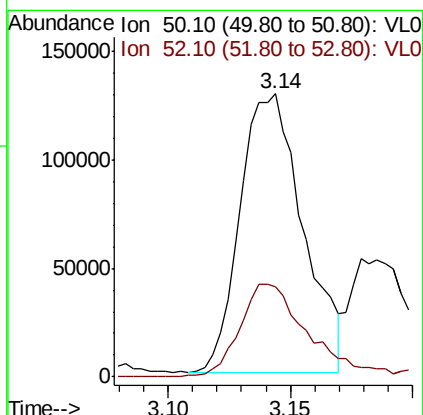
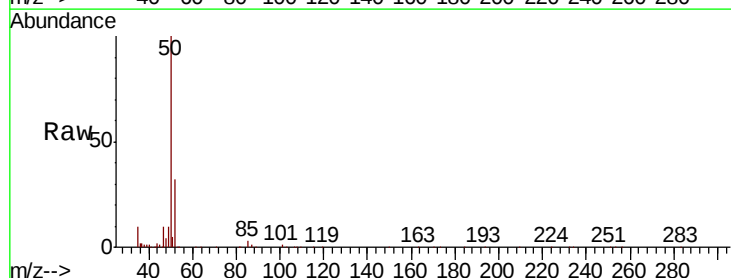
#3
 Chlorodifluoromethane
 Concen: 3.058 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

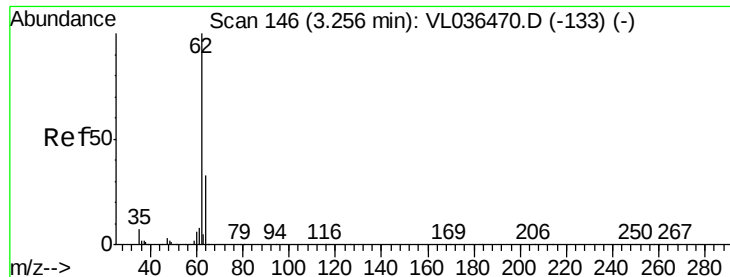
Tot Ion: 51 Resp: 654781
 Ion Ratio Lower Upper
 51 100
 67 17.9 14.7 22.1



#4
 Chloromethane
 Concen: 2.438 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

Tgt Ion: 50 Resp: 230942
 Ion Ratio Lower Upper
 50 100
 52 31.9 27.0 40.6





#5

Vinyl Chloride

Concen: 2.523 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

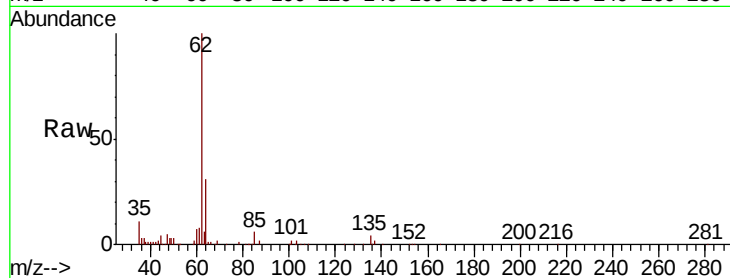
Acq: 25 Mar 2021 2:42

Tot Ion: 62 Resp: 226050

Ion Ratio Lower Upper

62 100

64 31.3 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

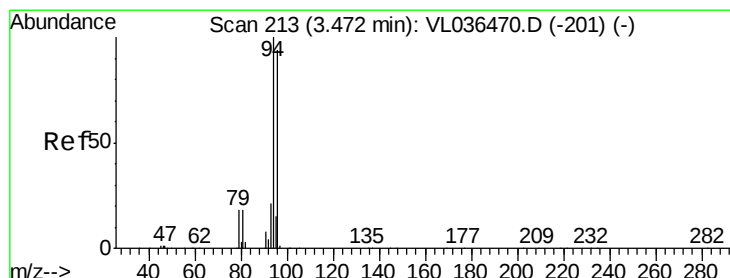
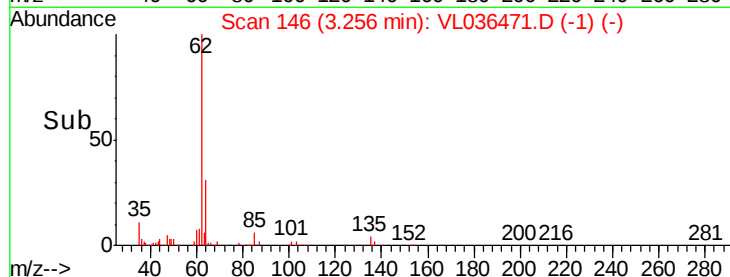
3.26

100000

50000

0

Time-->



#6

Bromomethane

Concen: 2.314 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036471.D

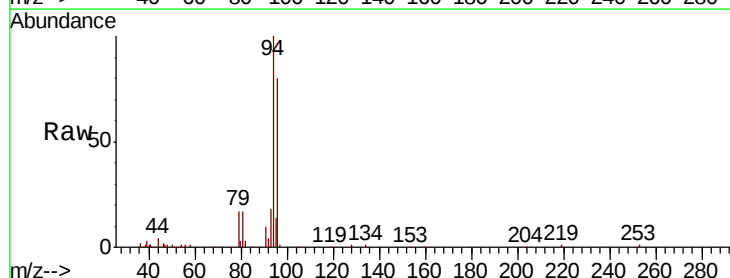
Acq: 25 Mar 2021 2:42

Tgt Ion: 94 Resp: 128542

Ion Ratio Lower Upper

94 100

96 80.2 74.9 112.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

80000

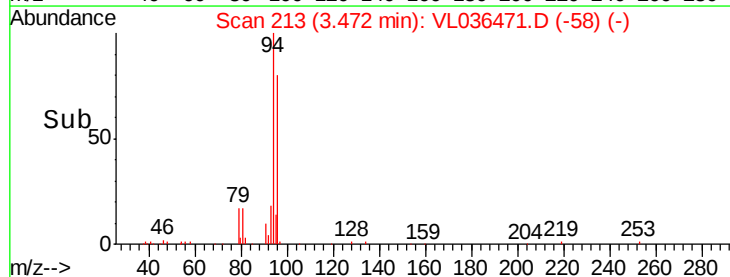
60000

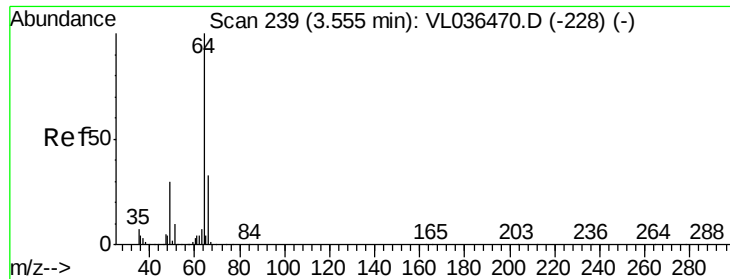
40000

20000

0

Time-->





#7

Chloroethane

Concen: 2.353 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

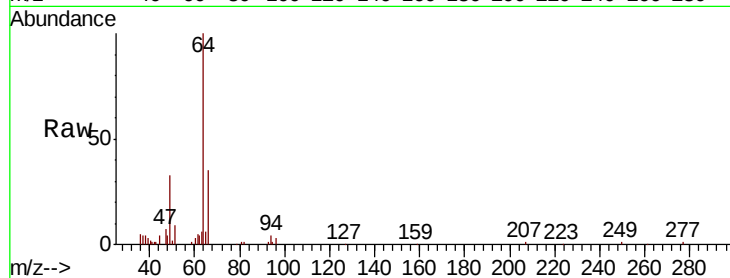
Acq: 25 Mar 2021 2:42

Tot Ion: 64 Resp: 78744

Ion Ratio Lower Upper

64 100

66 35.1 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

50000

40000

30000

20000

10000

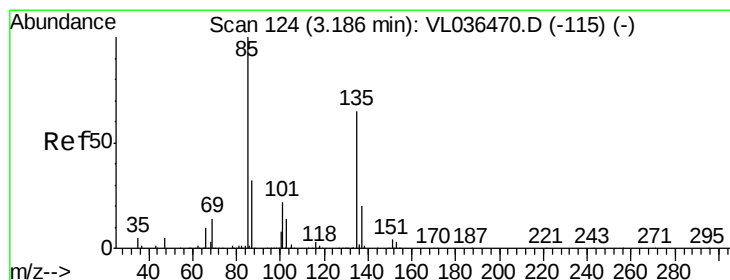
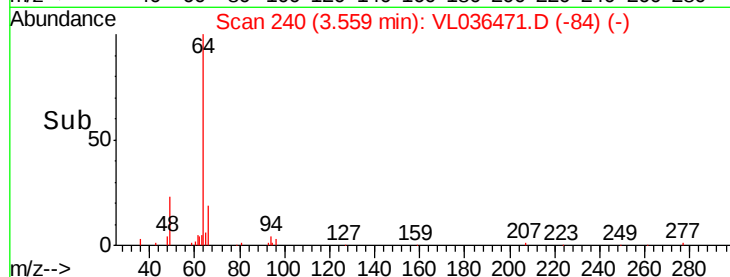
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Time-->

3.50

3.55

3.60



#8

Dichlorotetrafluoroethane

Concen: 2.461 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL036471.D

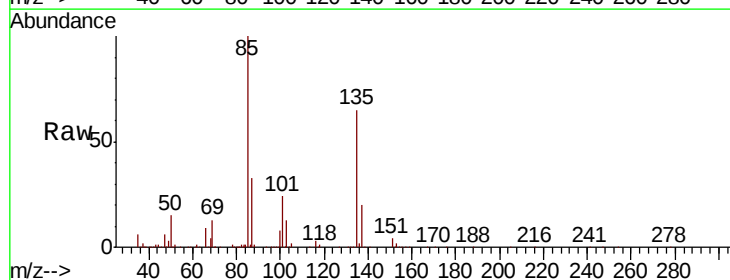
Acq: 25 Mar 2021 2:42

Tgt Ion: 85 Resp: 564446

Ion Ratio Lower Upper

85 100

135 67.1 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

400000

300000

200000

100000

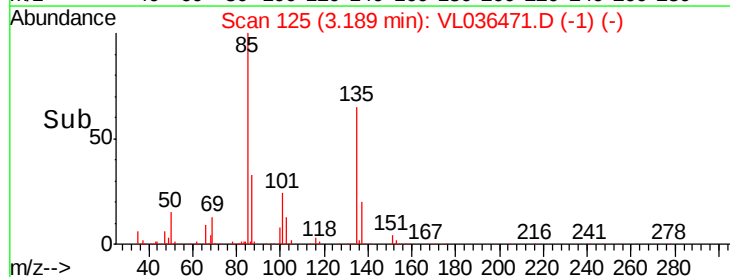
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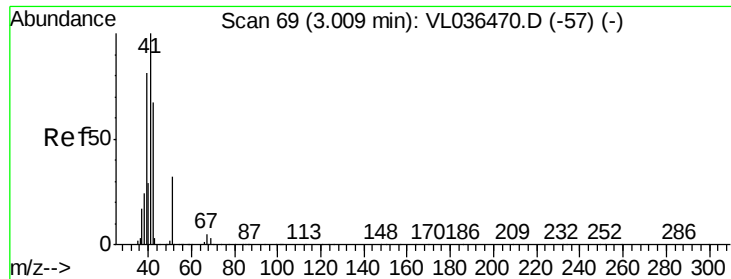
Time-->

3.15

3.20

3.25





#9

Propene

Concen: 2.418 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

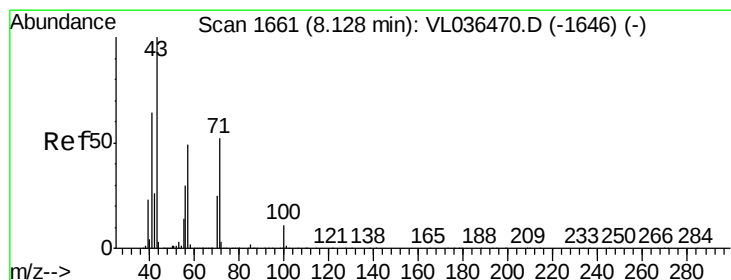
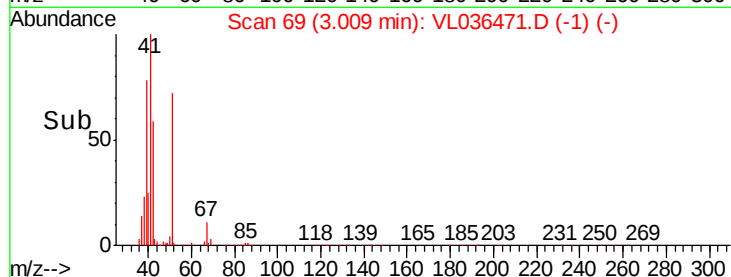
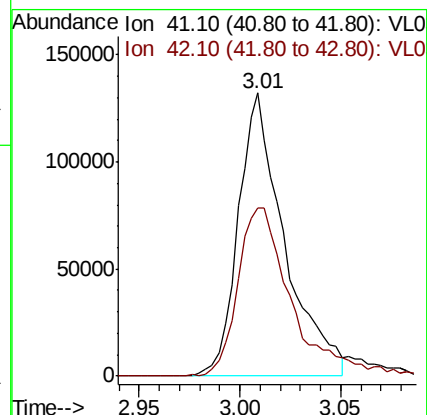
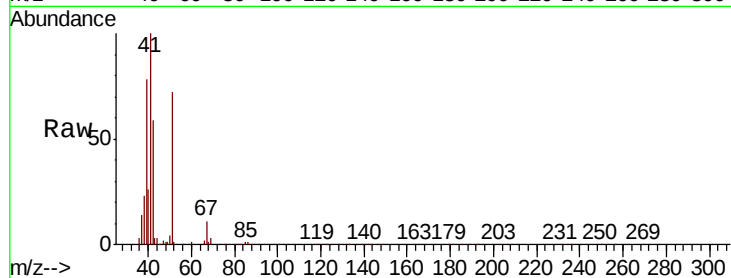
Acq: 25 Mar 2021 2:42

Tot Ion: 41 Resp: 210766

Ion Ratio Lower Upper

41 100

42 71.3 57.0 85.4



#10

Heptane

Concen: 2.593 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036471.D

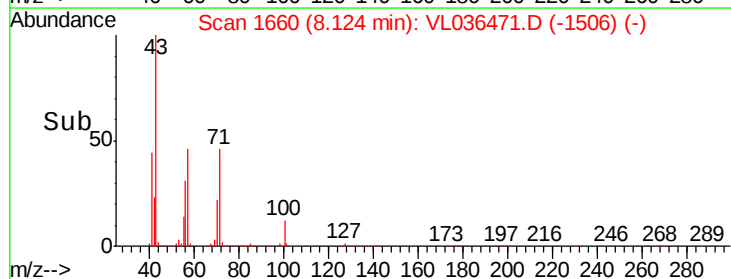
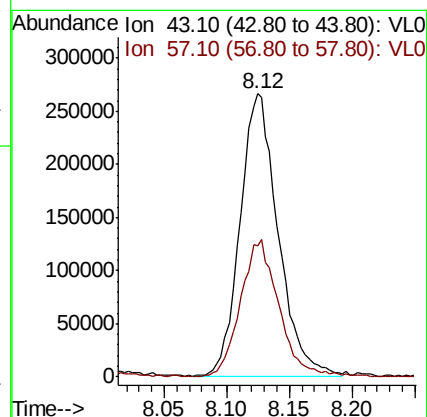
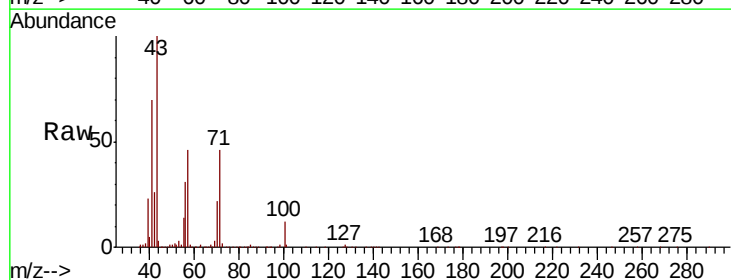
Acq: 25 Mar 2021 2:42

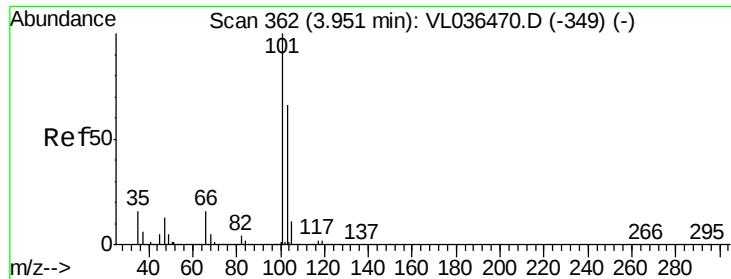
Tgt Ion: 43 Resp: 558484

Ion Ratio Lower Upper

43 100

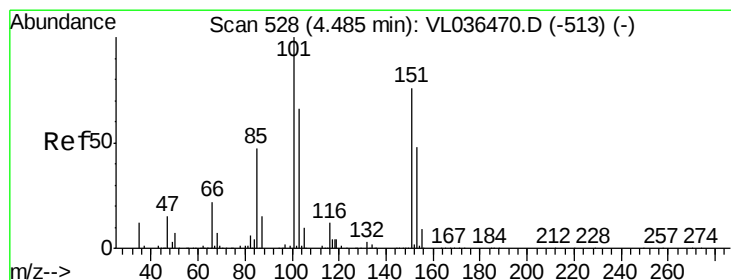
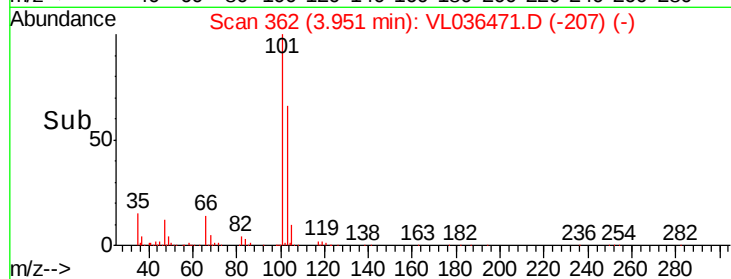
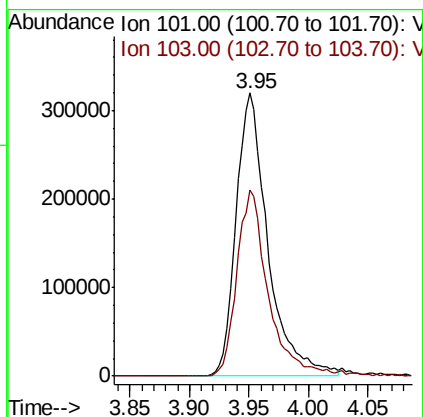
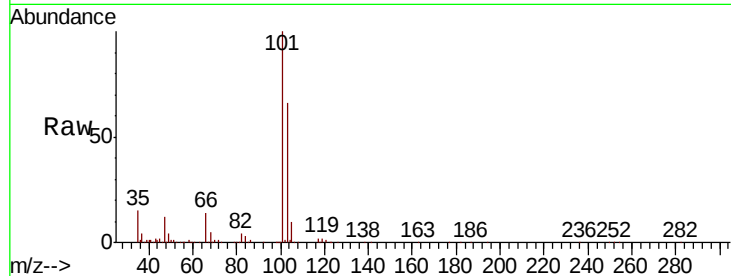
57 49.0 39.4 59.0





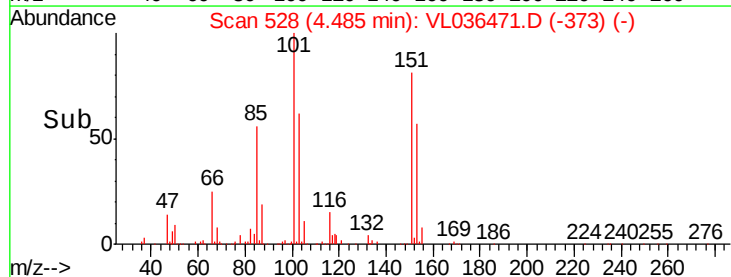
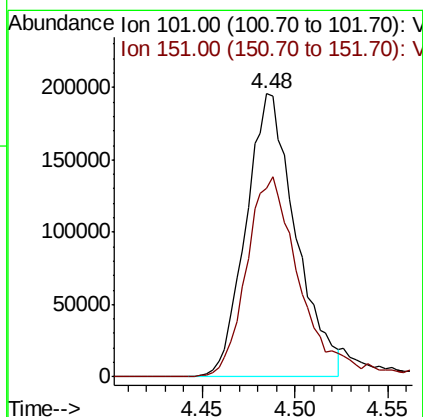
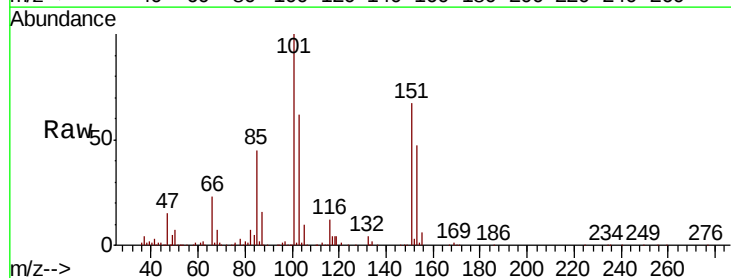
#11
 Trichlorofluoromethane
 Concen: 2.467 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

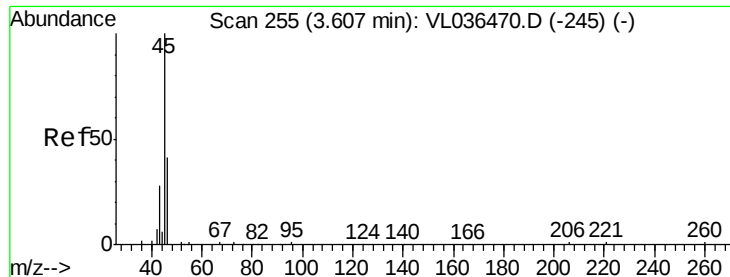
Tot Ion	101	Resp	593904
Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.5	78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.374 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

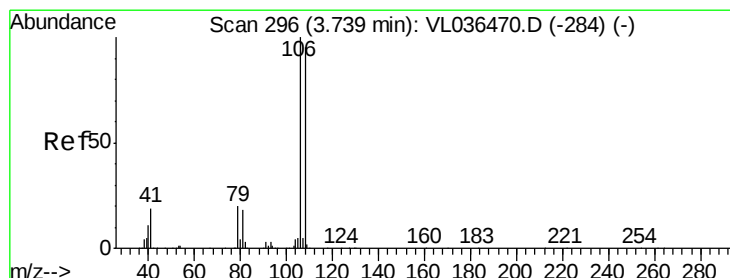
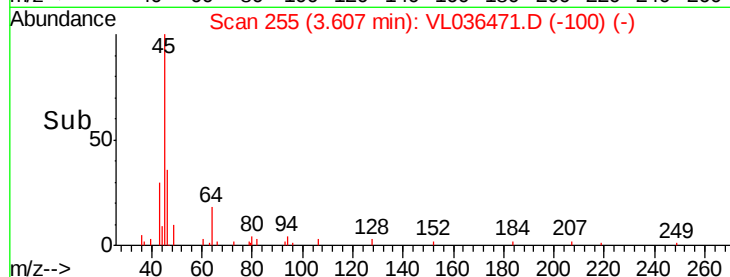
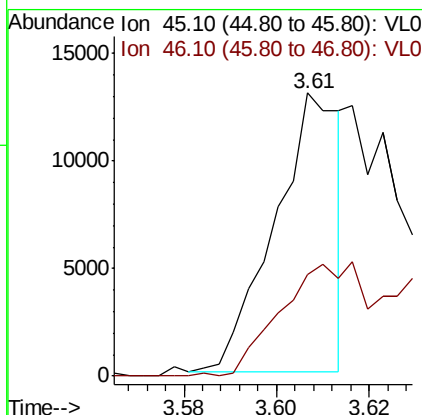
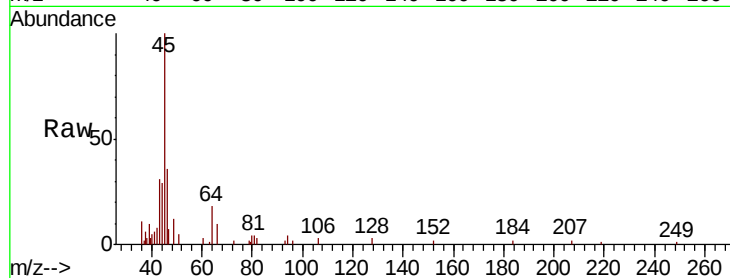
Tgt Ion	101	Resp	366853
Ion	Ratio	Lower	Upper
101	100		
151	77.8	60.9	91.3





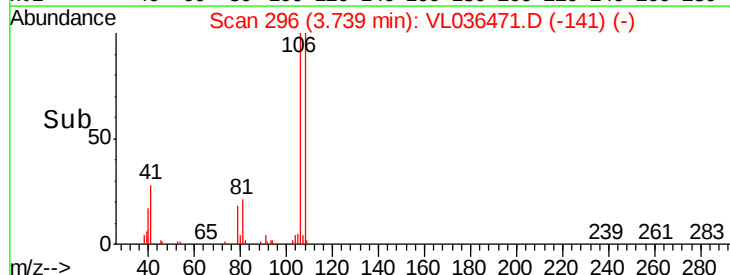
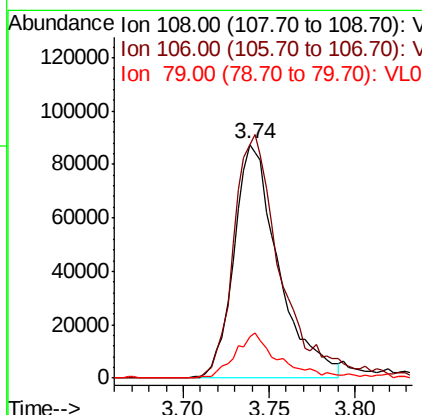
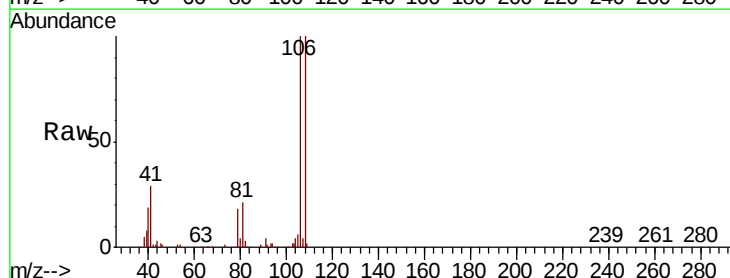
#13
Ethanol
Concen: 1.006 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 25 Mar 2021 2:42

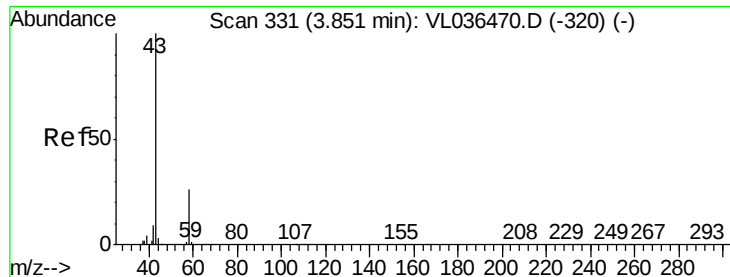
Tot Ion: 45 Resp: 12580
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.4#



#14
Bromoethene
Concen: 2.468 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL036471.D
Acq: 25 Mar 2021 2:42

Tgt Ion: 108 Resp: 157990
Ion Ratio Lower Upper
108 100
106 111.7 89.0 133.4
79 20.8 16.8 25.2





#15

Acetone

Concen: 1.983 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

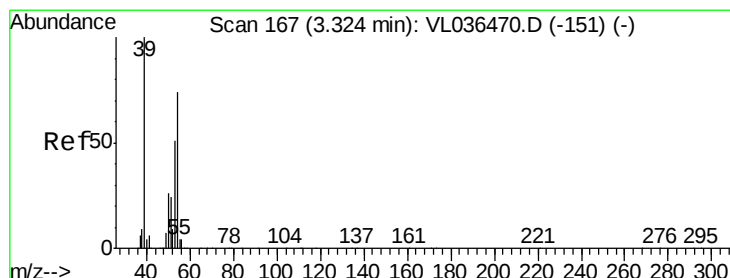
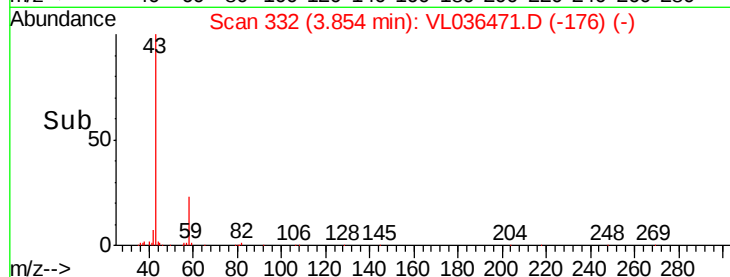
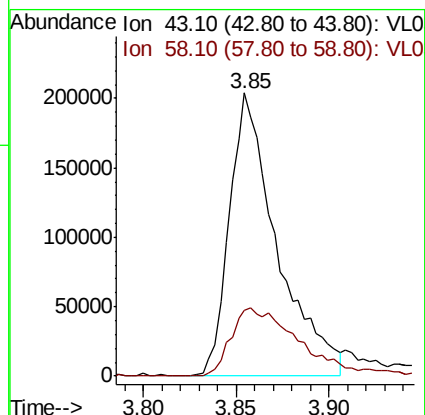
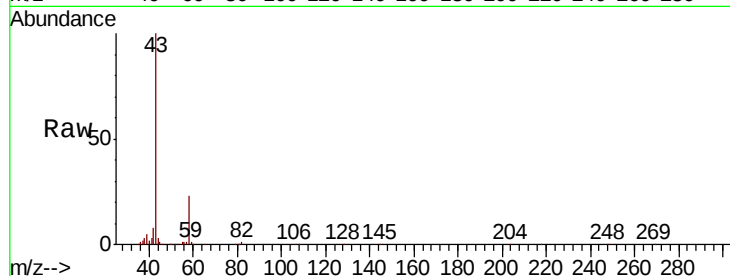
Acq: 25 Mar 2021 2:42

Tot Ion: 43 Resp: 362993

Ion Ratio Lower Upper

43 100

58 35.0 21.1 31.7#



#16

1,3-Butadiene

Concen: 2.489 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL036471.D

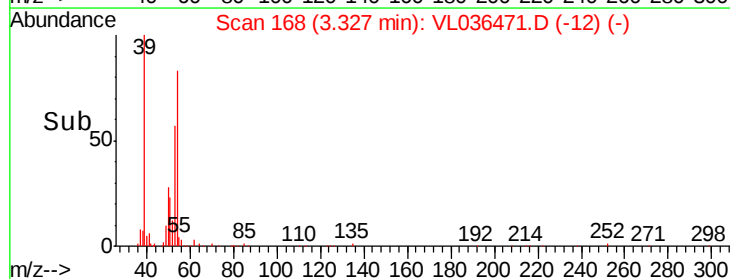
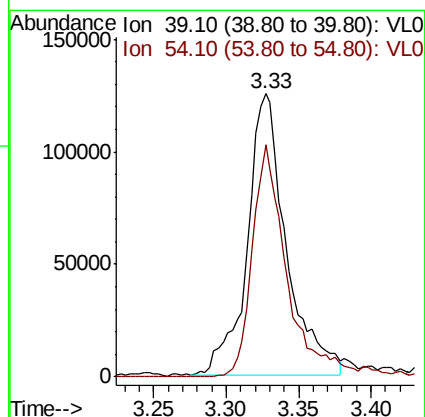
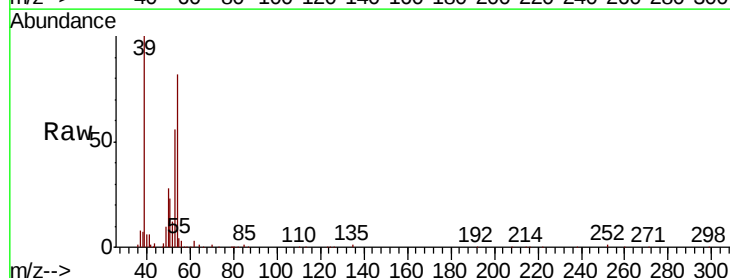
Acq: 25 Mar 2021 2:42

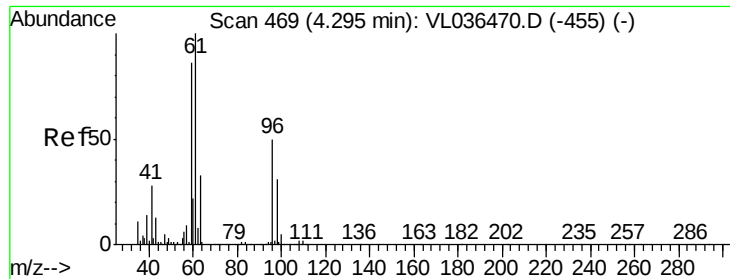
Tgt Ion: 39 Resp: 236134

Ion Ratio Lower Upper

39 100

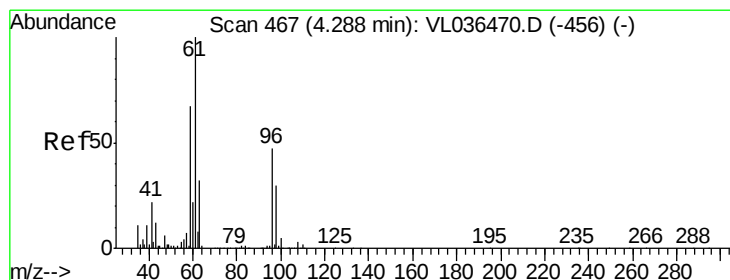
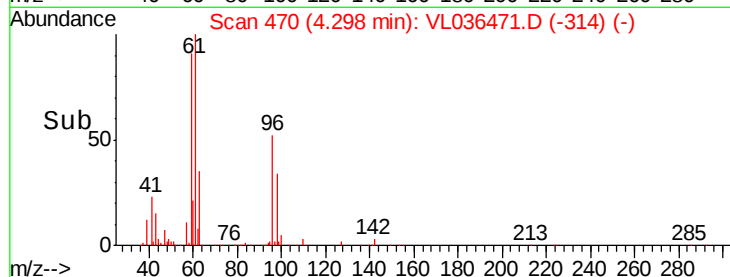
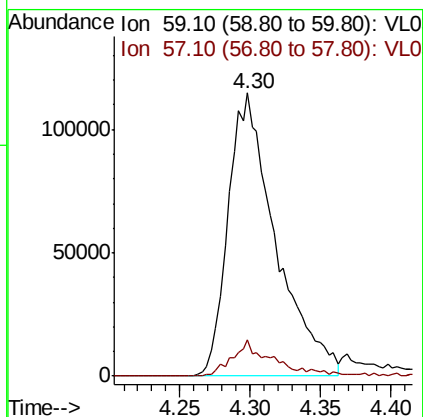
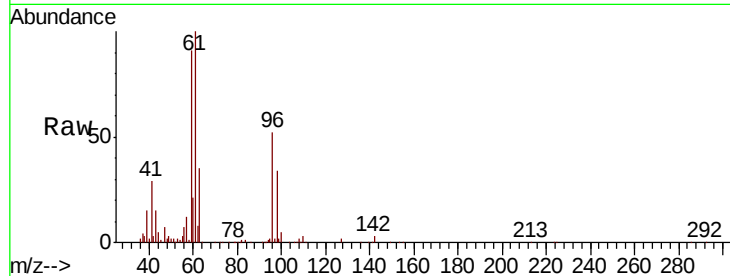
54 74.8 59.0 88.4





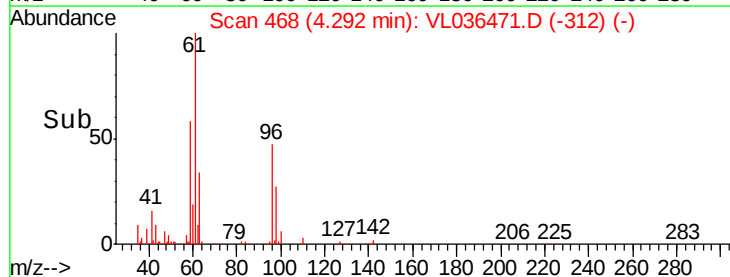
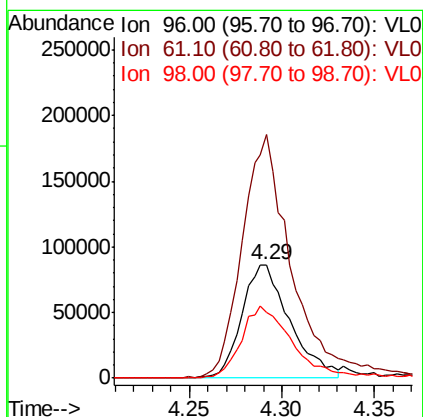
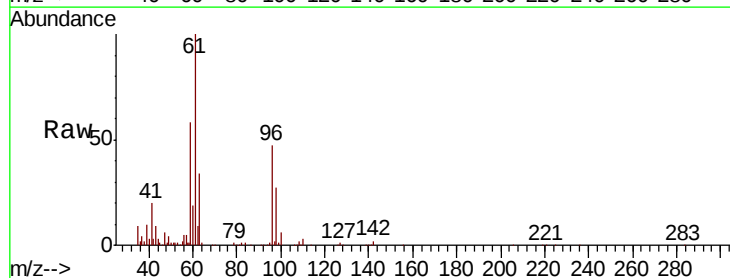
#17
 tert-Butyl alcohol
 Concen: 1.845 ppbv
 RT: 4.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 2:42

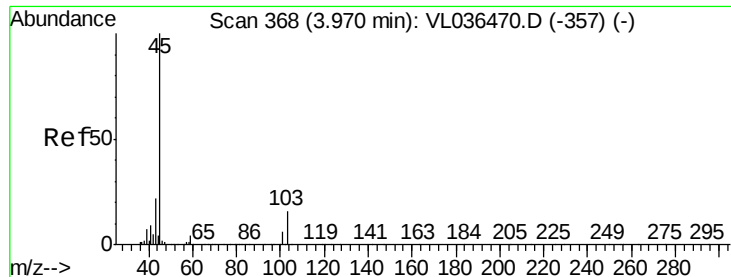
Tot Ion: 59 Resp: 270419
 Ion Ratio Lower Upper
 59 100
 57 11.6 8.8 13.2



#18
 1,1-Dichloroethene
 Concen: 2.246 ppbv
 RT: 4.29 min Scan# 468
 Delta R.T.: 0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

Tgt Ion: 96 Resp: 155145
 Ion Ratio Lower Upper
 96 100
 61 212.8 168.6 253.0
 98 58.2 50.8 76.2





#19

Isopropyl Alcohol

Concen: 1.302 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

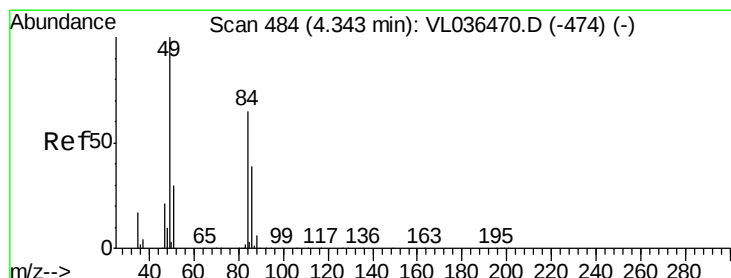
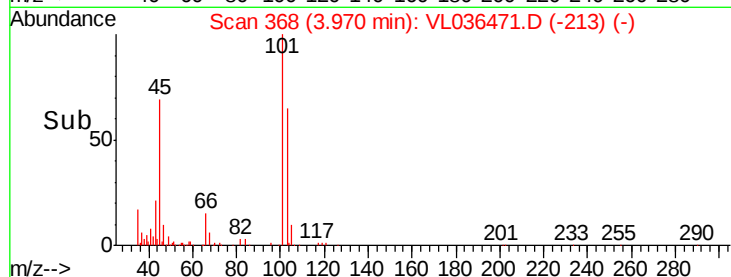
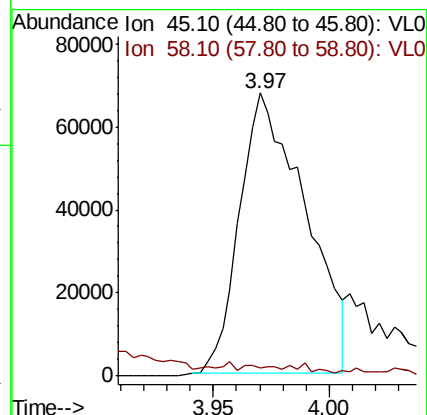
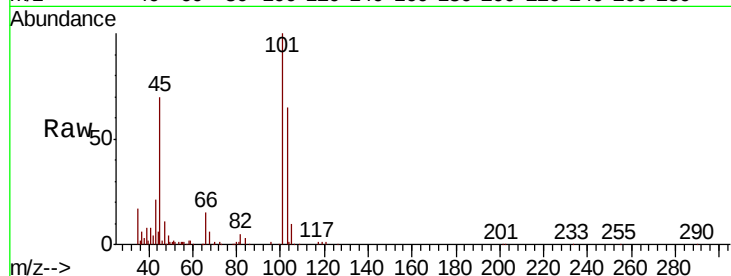
Acq: 25 Mar 2021 2:42

Tot Ion: 45 Resp: 133027

Ion Ratio Lower Upper

45 100

58 4.8 2.3 3.5#



#20

Methylene Chloride

Concen: 2.435 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

Tgt Ion: 84 Resp: 160333

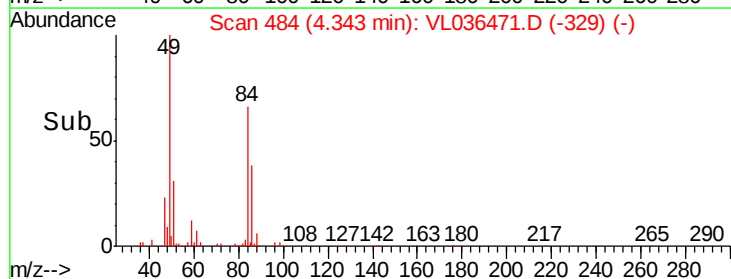
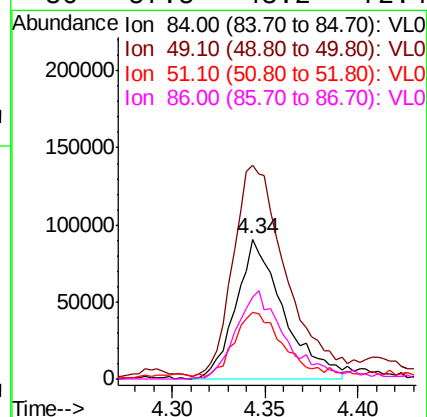
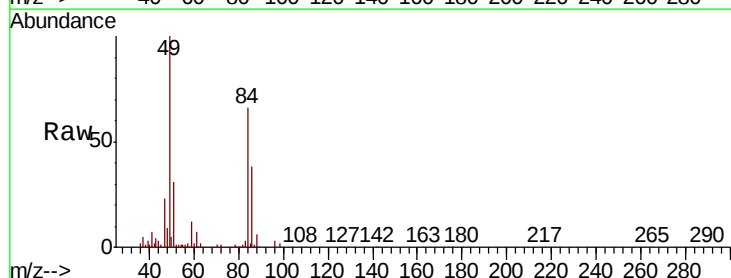
Ion Ratio Lower Upper

84 100

49 151.2 122.9 184.3

51 45.2 36.9 55.3

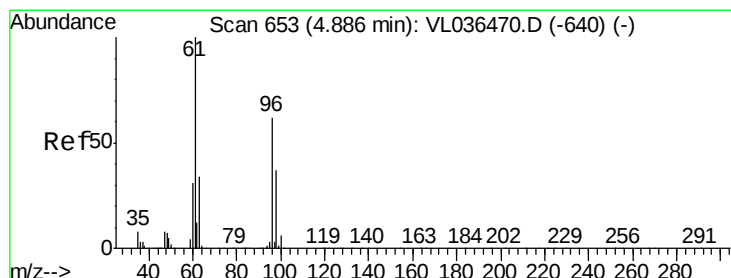
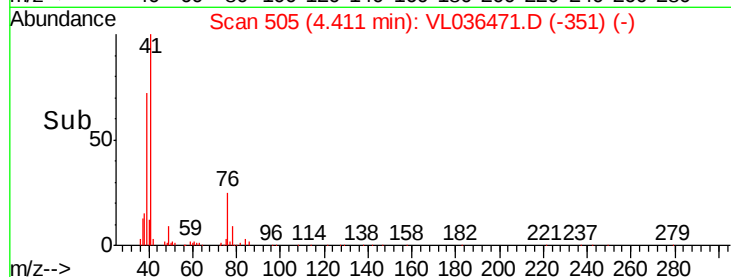
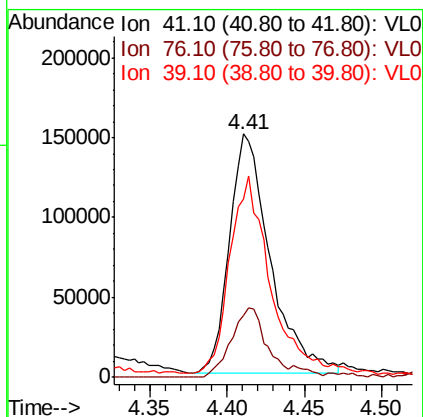
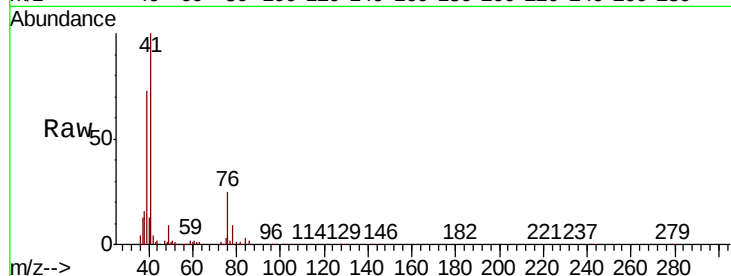
86 57.5 48.2 72.4





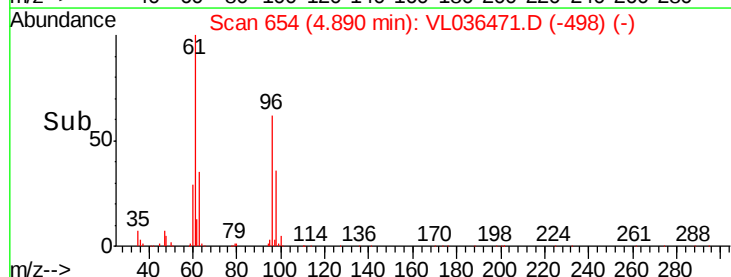
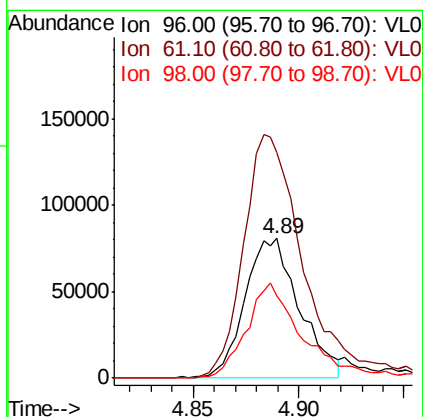
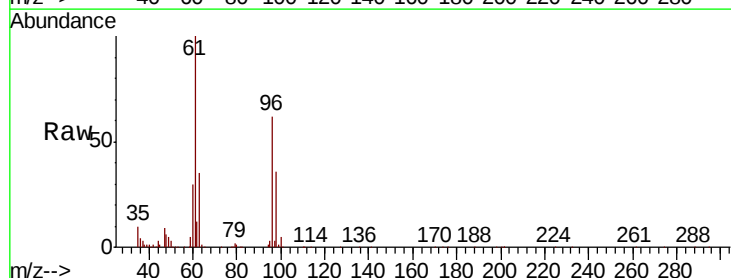
#21
 Allvl Chloride
 Concen: 2.461 ppbv
 RT: 4.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

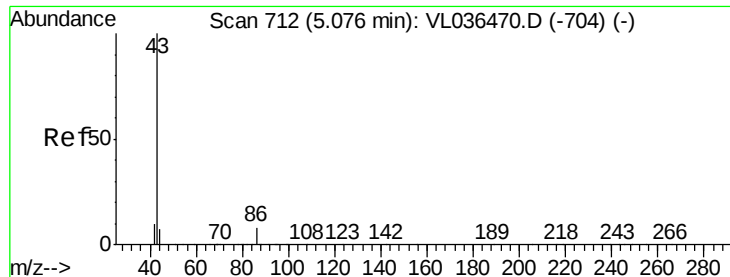
Tot Ion:	41	Resp:	271741
Ion	Ratio	Lower	Upper
41	100		
76	28.3	22.9	34.3
39	86.1	69.4	104.0



#22
 trans-1,2-Dichloroethene
 Concen: 2.309 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

Tgt Ion:	96	Resp:	145362
Ion	Ratio	Lower	Upper
96	100		
61	161.5	129.4	194.0
98	58.6	48.2	72.4





#23

Vinyl Acetate

Concen: 2.826 ppbv

RT: 5.08 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 2:42

Tot Ion: 43 Resp: 629657

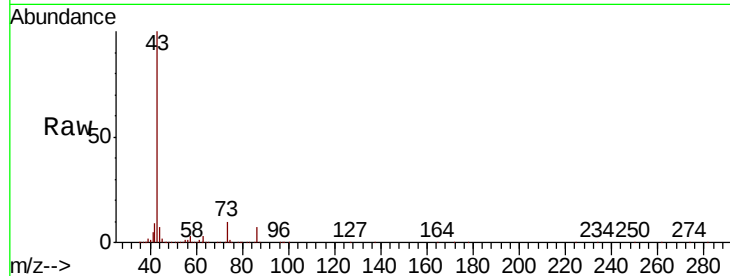
Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.0

42 9.1 8.5 12.7

44 5.6 4.6 7.0

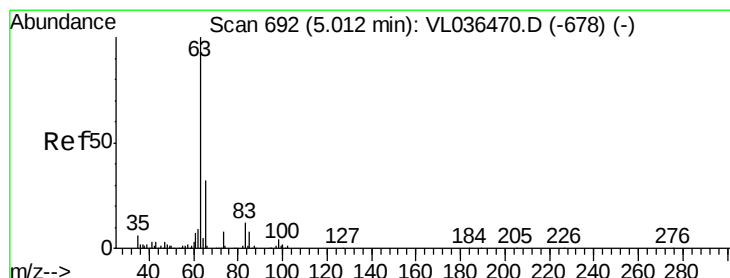
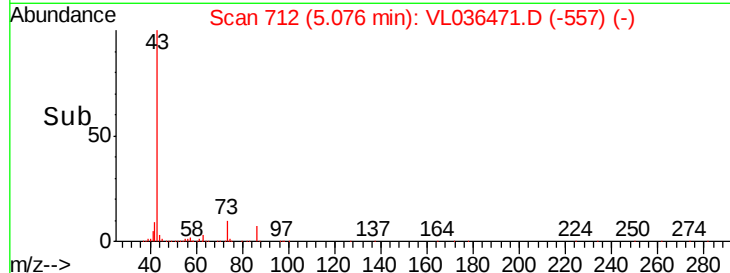
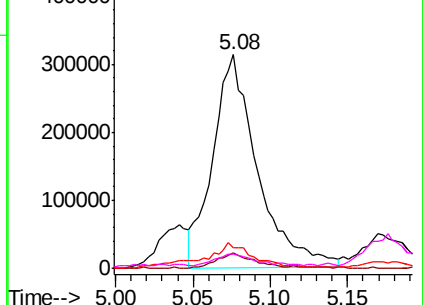


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.426 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

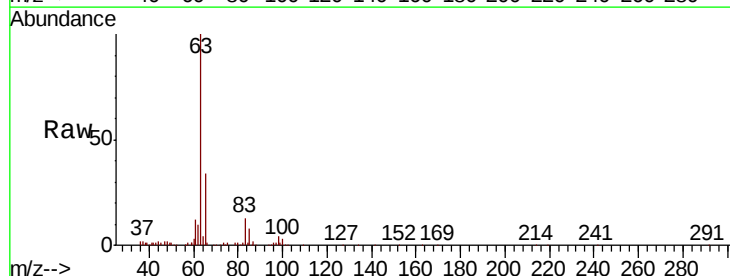
Tgt Ion: 63 Resp: 421306

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.2

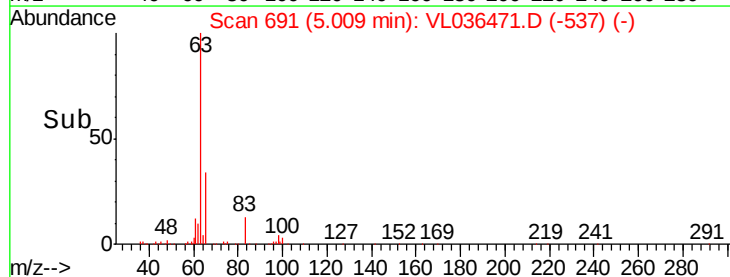
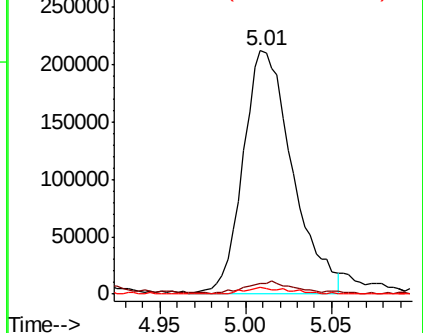
100 2.7 0.9 2.8

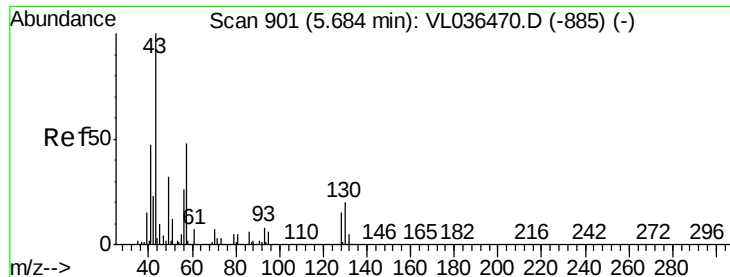


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

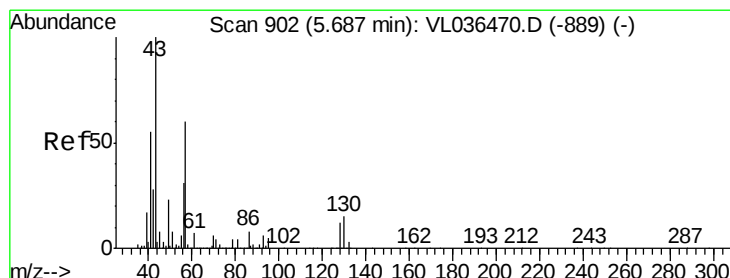
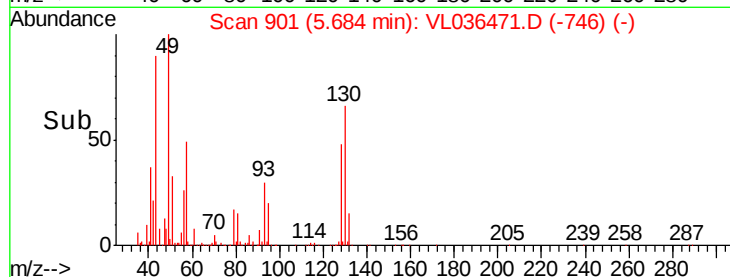
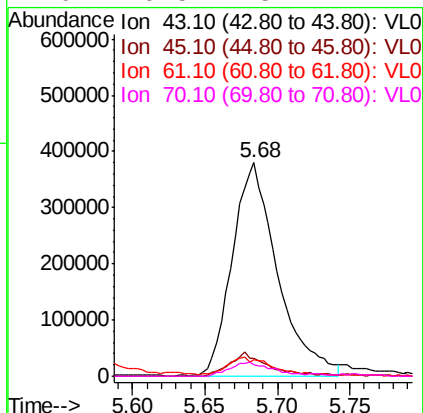
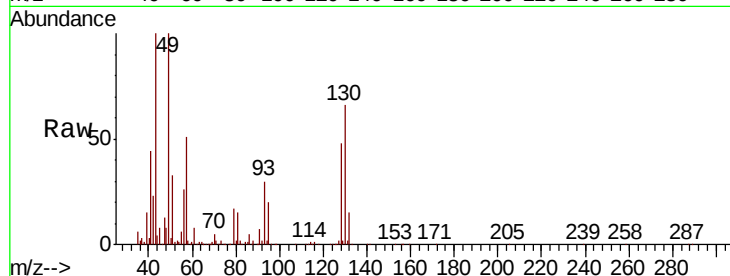
Ion 100.00 (99.70 to 100.70): VL0





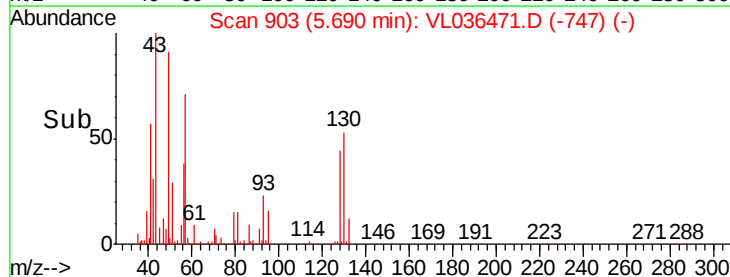
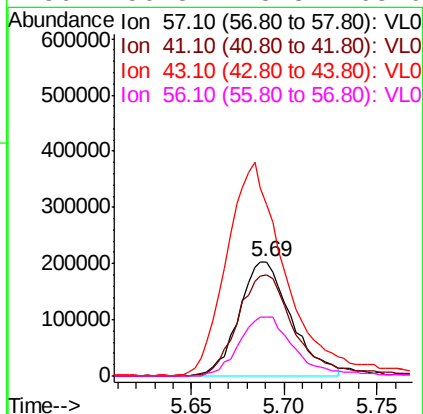
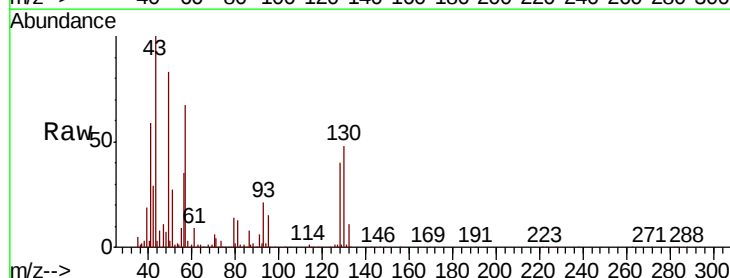
#25
Ethyl Acetate
Concen: 2.242 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 2:42

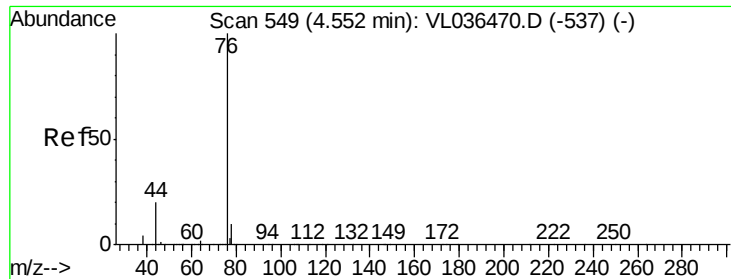
Tot Ion:	43	Resp:	822264
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	9.2	7.4	11.2
70	6.5	5.1	7.7



#26
Hexane
Concen: 2.536 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.00 min
Lab File: VL036471.D
Acq: 25 Mar 2021 2:42

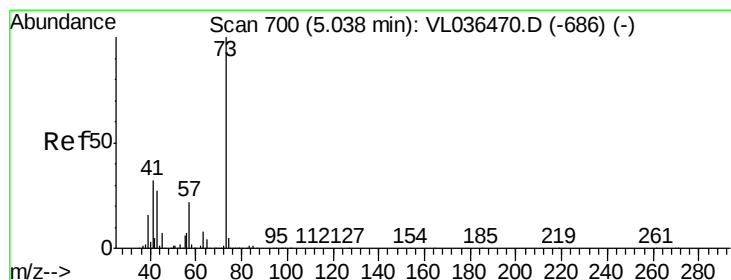
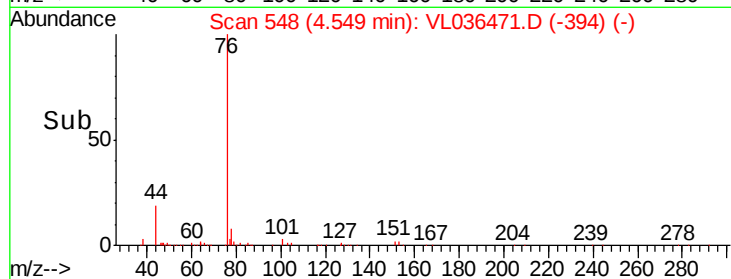
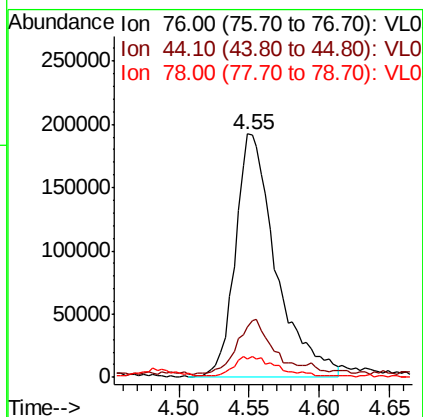
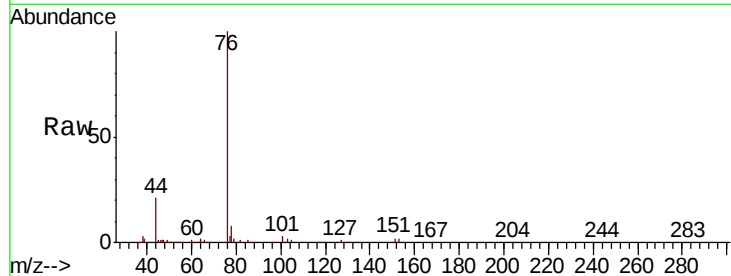
Tgt Ion:	57	Resp:	392648
Ion	Ratio	Lower	Upper
57	100		
41	100.8	77.3	115.9
43	221.0	174.8	262.2
56	56.8	43.8	65.6





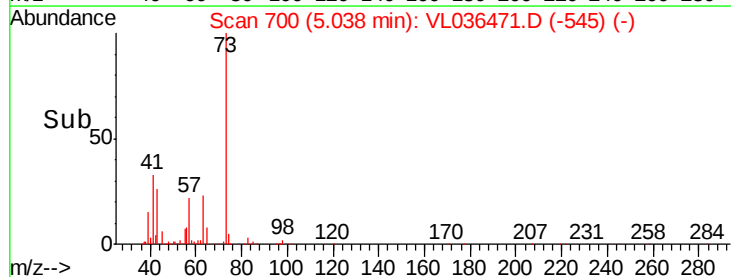
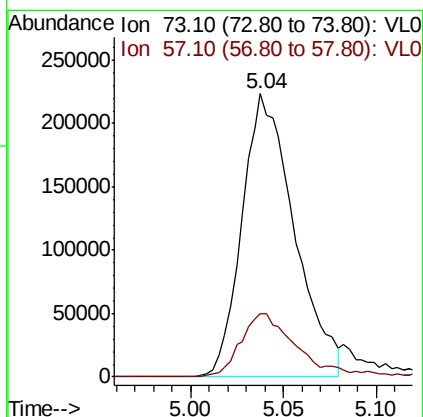
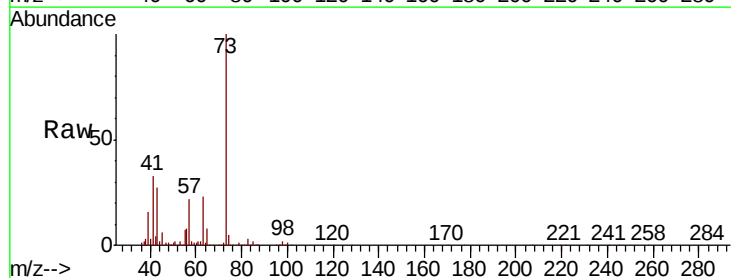
#27
Carbon Disulfide
Concen: 2.549 ppbv
RT: 4.55 Instrument: MSVOA_1
Delta R.T.: ClientSampleId :
Lab File:
Acq: 25 Mar 2021 2:42

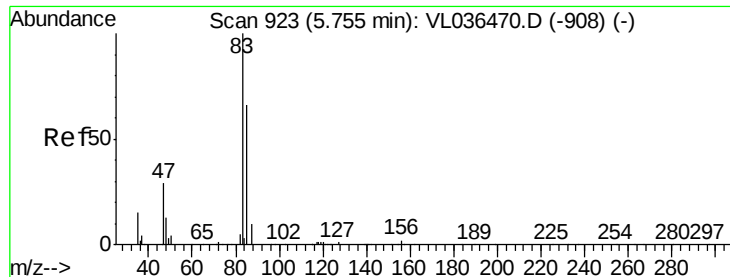
Tot Ion	Ratio	Lower	Upper
76	100		
44	23.2	17.5	26.3
78	10.2	8.6	13.0



#28
Methyl tert-Butyl Ether
Concen: 2.168 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.00 min
Lab File: VL036471.D
Acq: 25 Mar 2021 2:42

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.5	18.6	27.8





#29

Chloroform

Concen: 2.419 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

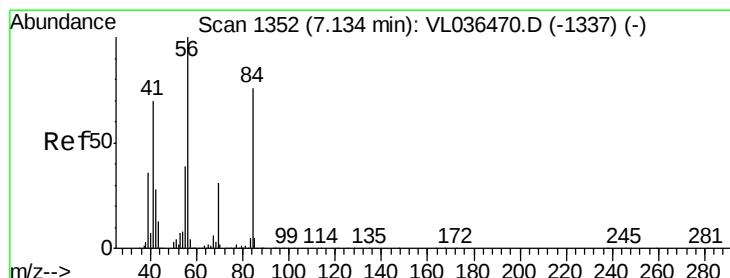
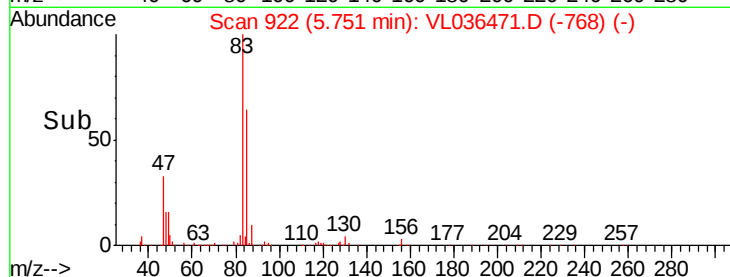
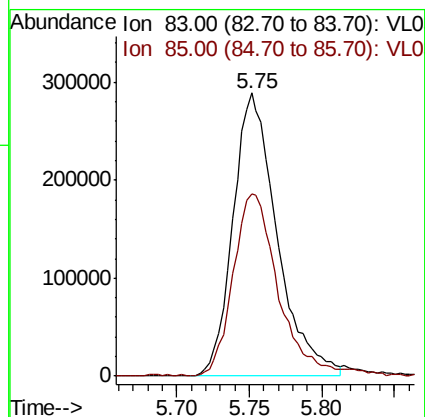
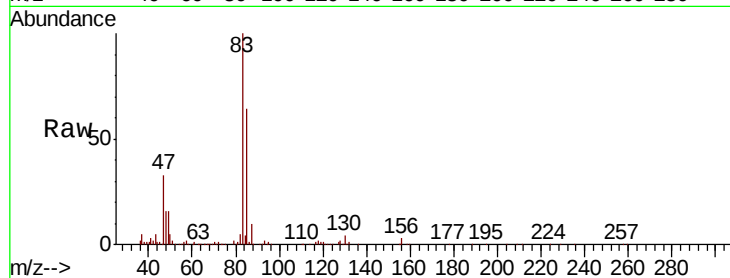
Acq: 25 Mar 2021 2:42

Tot Ion: 83 Resp: 607656

Ion Ratio Lower Upper

83 100

85 64.3 52.6 78.8



#30

Cyclohexane

Concen: 2.407 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.00 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

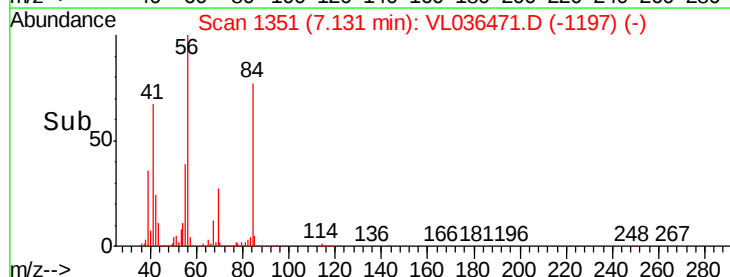
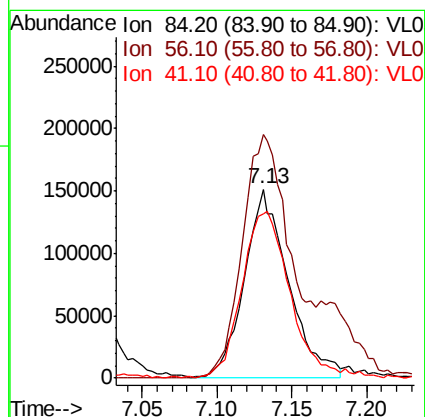
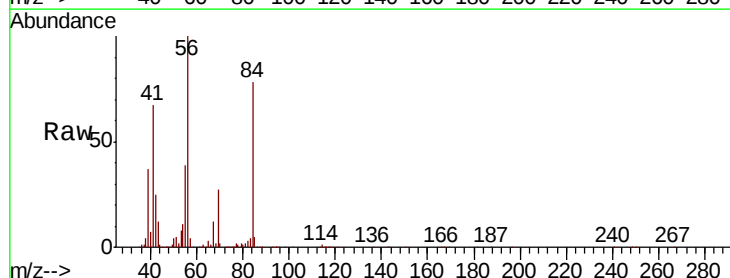
Tgt Ion: 84 Resp: 308186

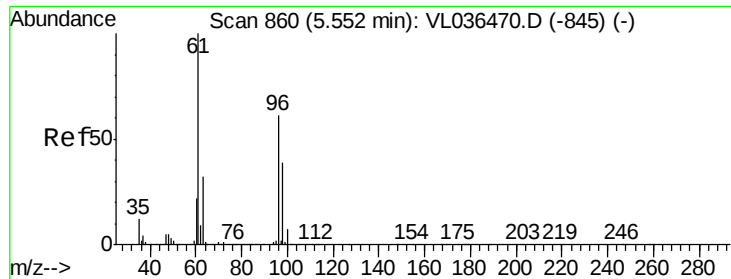
Ion Ratio Lower Upper

84 100

56 176.3 114.6 171.8#

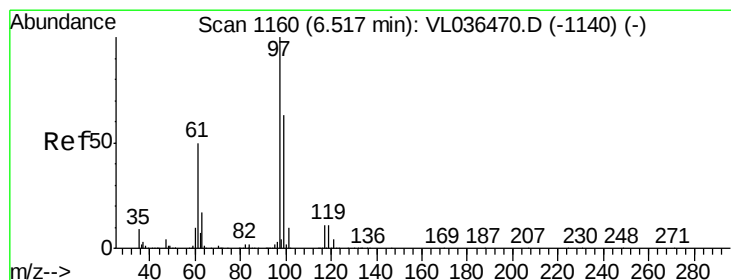
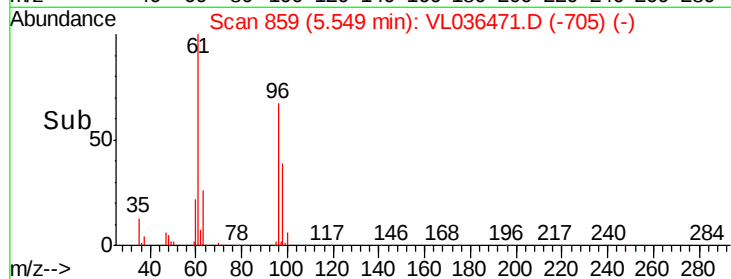
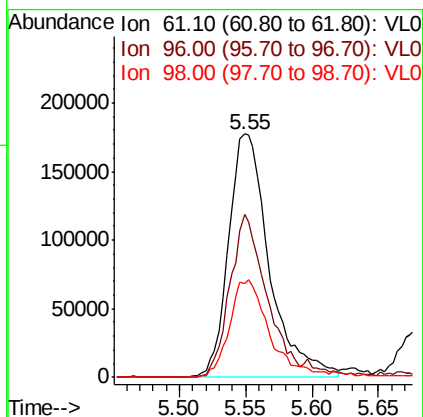
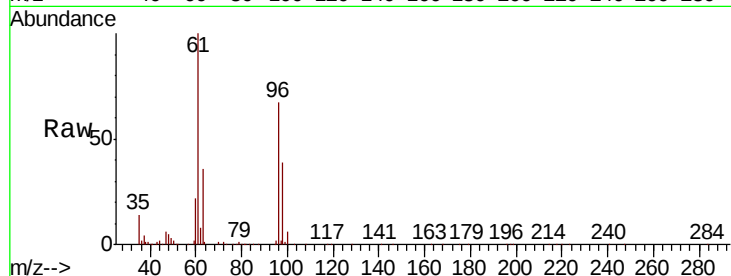
41 98.1 75.3 112.9





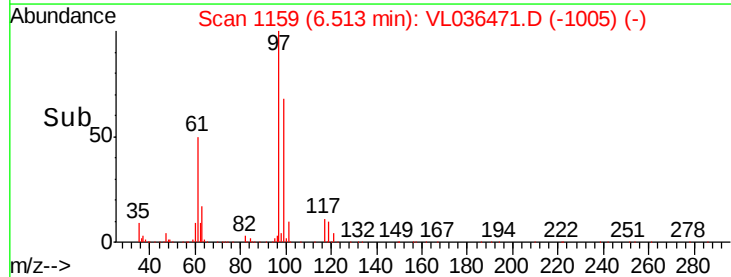
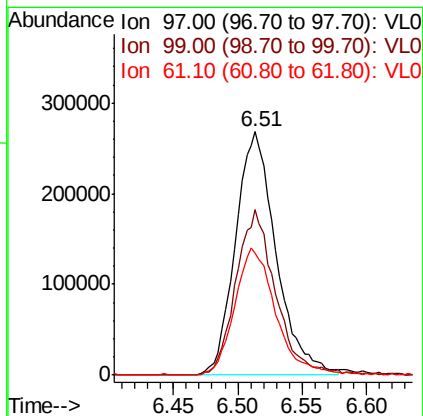
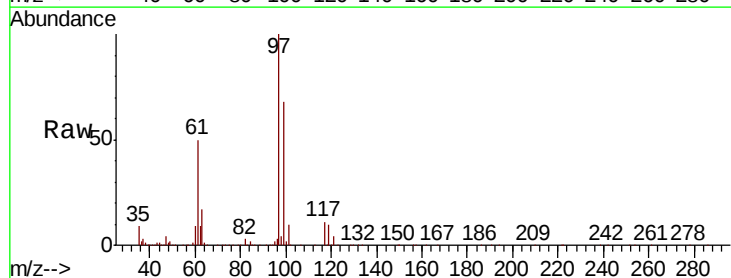
#31
 cis-1,2-Dichloroethene
 Concen: 2.535 ppbv
 RT: 5.55 Instrument :
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

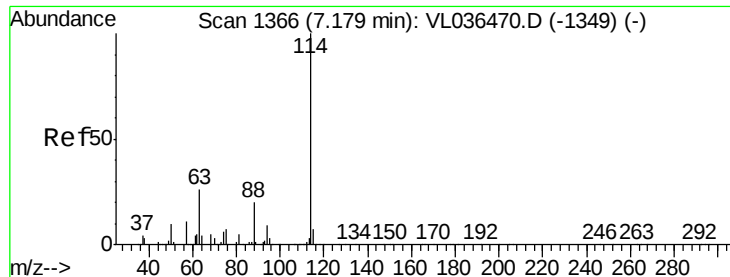
Tot Ion	61	Resp	380147
Ion	Ratio	Lower	Upper
61	100		
96	66.9	48.7	73.1
98	38.6	31.4	47.0



#32
 1,1,1-Trichloroethane
 Concen: 2.341 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

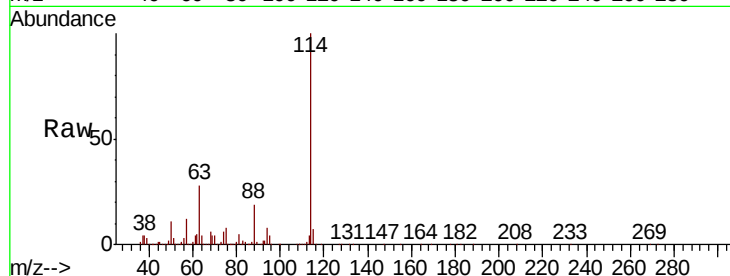
Tgt Ion	97	Resp	588934
Ion	Ratio	Lower	Upper
97	100		
99	66.7	51.4	77.0
61	53.4	40.6	60.8



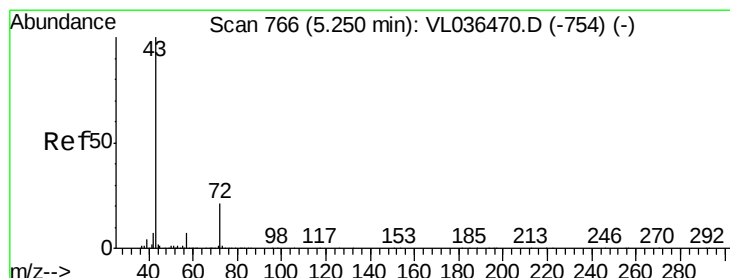
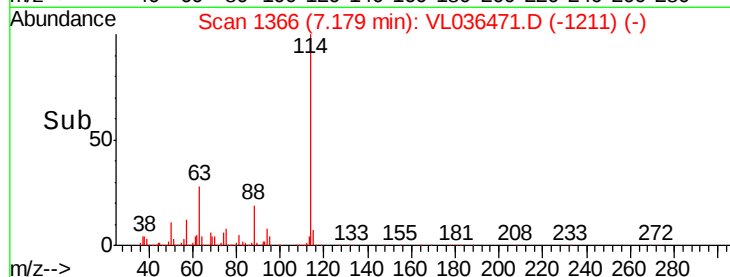
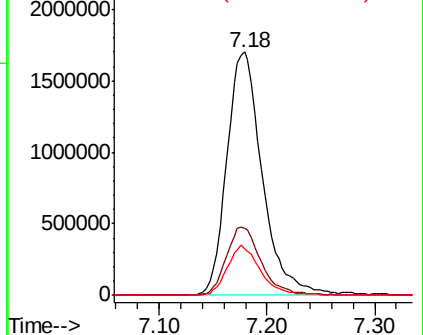


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

Tot Ion: 114 Resp: 3906966
 Ion Ratio Lower Upper
 114 100
 63 28.1 22.4 33.6
 88 19.3 15.4 23.0

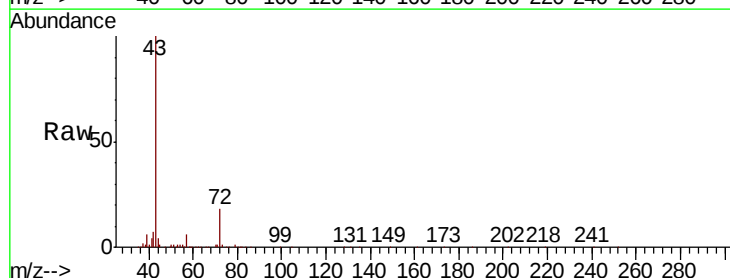


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

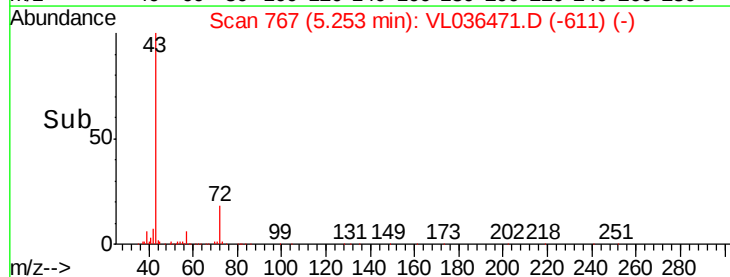
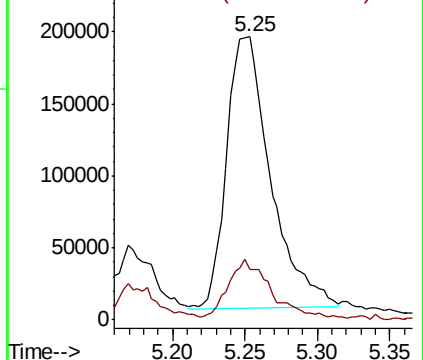


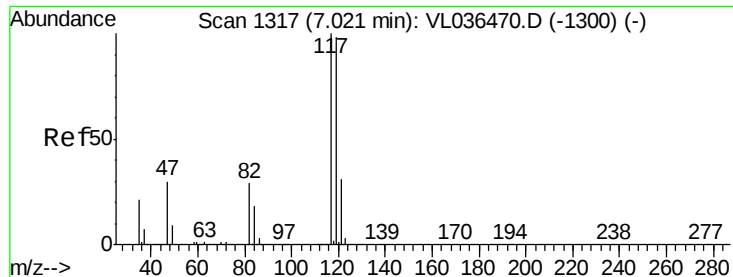
#34
 2-Butanone
 Concen: 1.742 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T.: 0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

Tgt Ion: 43 Resp: 397490
 Ion Ratio Lower Upper
 43 100
 72 22.9 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: 2.421 ppbv

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 2:42

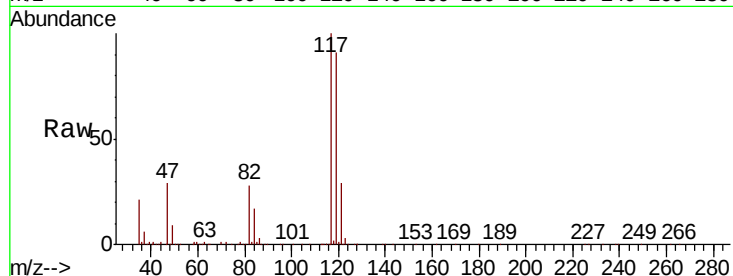
Tot Ion:117 Resp: 622314

Ion Ratio Lower Upper

117 100

119 91.4 78.2 117.2

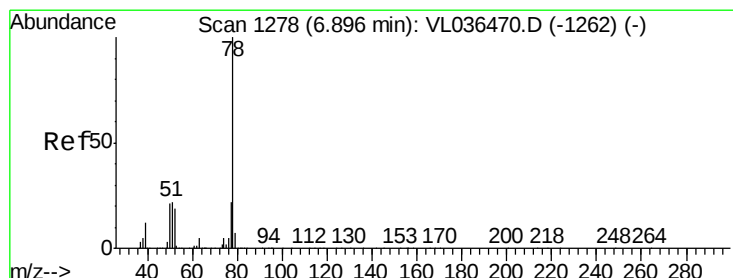
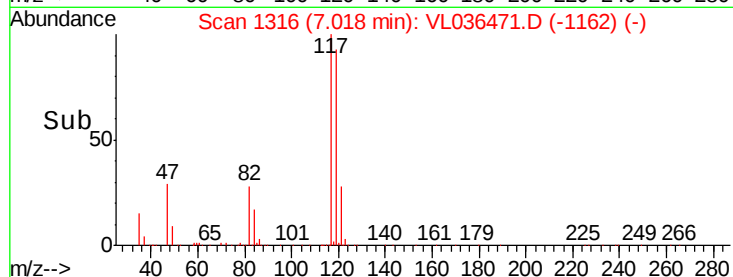
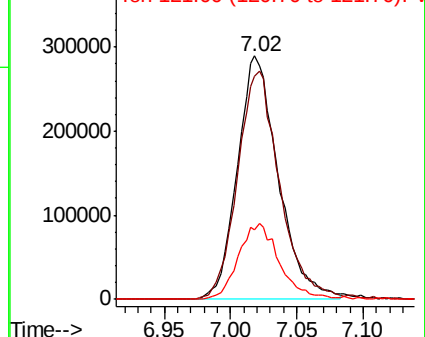
121 28.5 24.5 36.7



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: 2.530 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.01 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

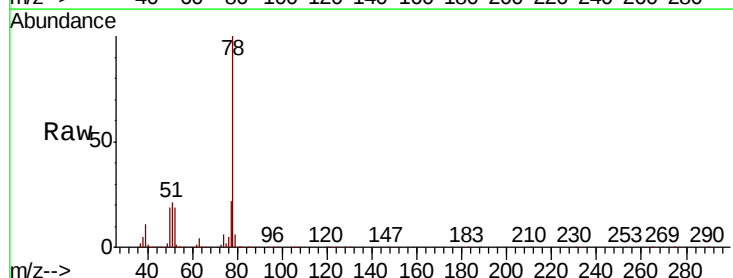
Tgt Ion: 78 Resp: 787411

Ion Ratio Lower Upper

78 100

77 22.4 18.0 27.0

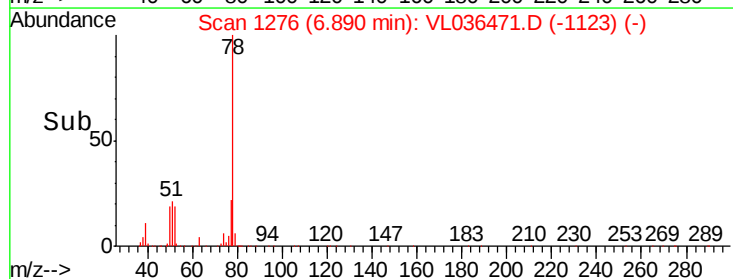
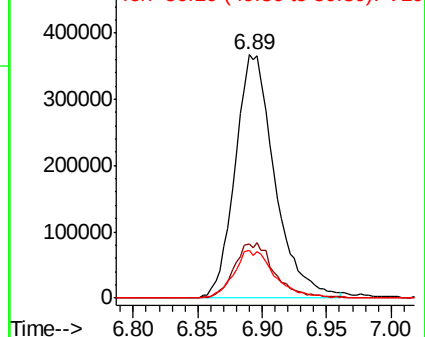
50 19.3 16.5 24.7

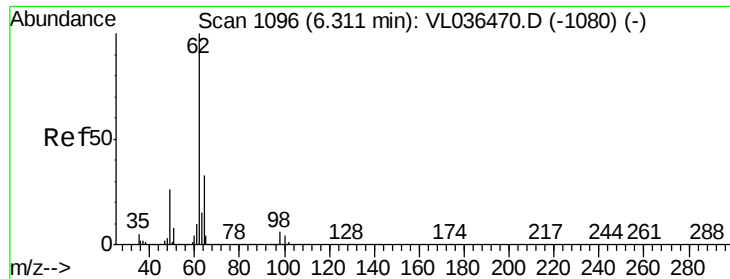


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 2.286 ppbv

RT: 6.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

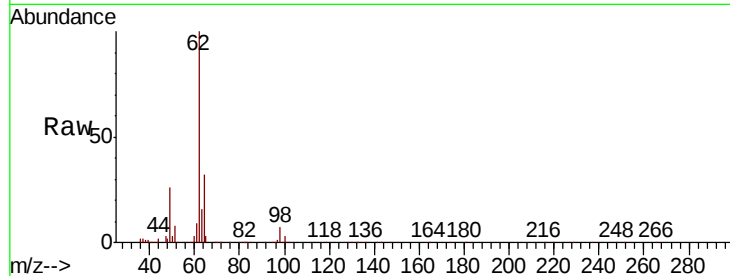
Acq: 25 Mar 2021 2:42

Tot Ion: 62 Resp: 444533

Ion Ratio Lower Upper

62 100

98 6.3 4.7 7.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

200000

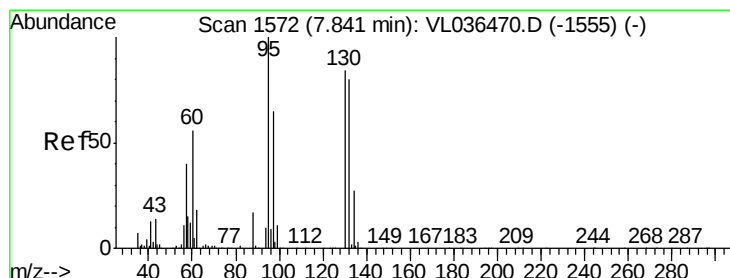
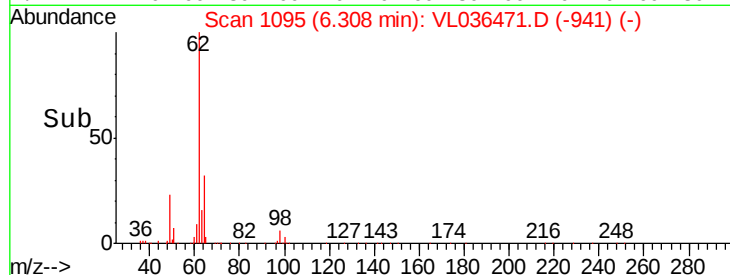
150000

100000

50000

0

Time-->



#38

Trichloroethene

Concen: 1.131 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

Tgt Ion: 130 Resp: 132074

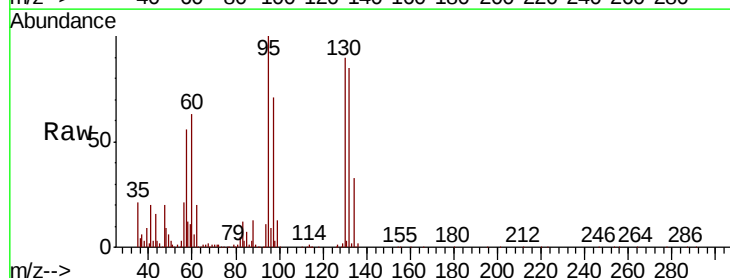
Ion Ratio Lower Upper

130 100

95 110.4 95.7 143.5

132 93.4 76.2 114.4

97 76.8 61.8 92.6



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

200000

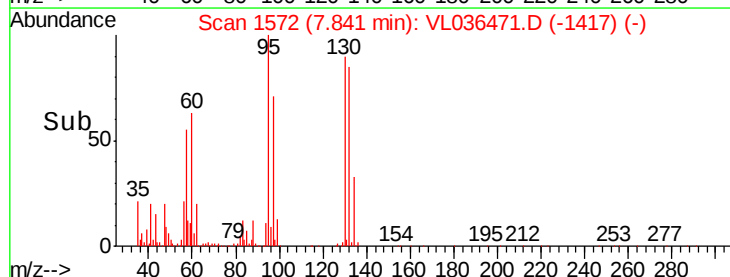
150000

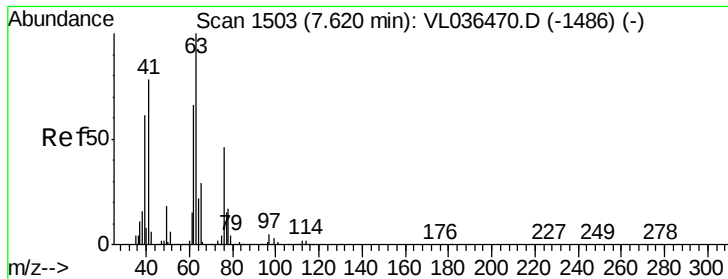
100000

50000

0

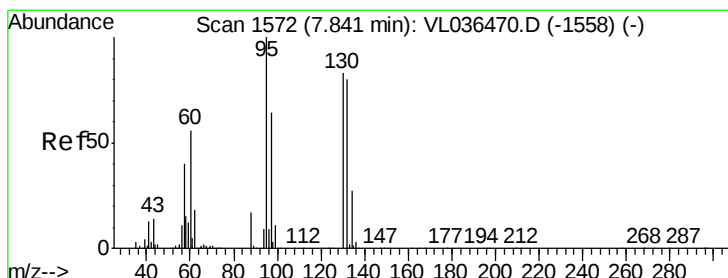
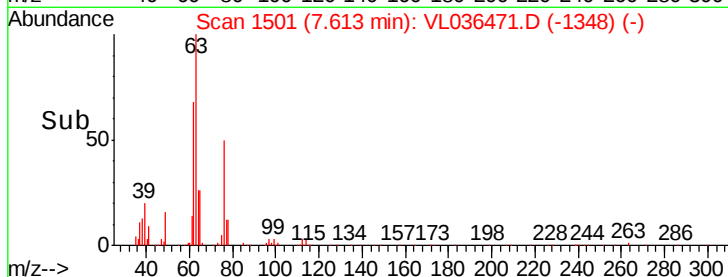
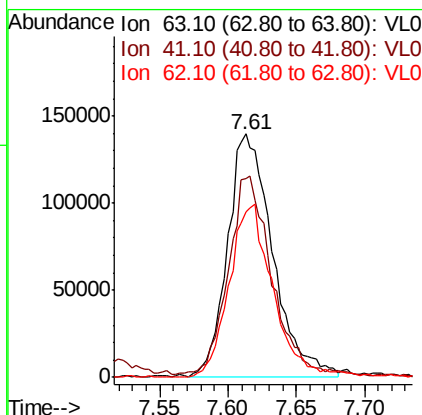
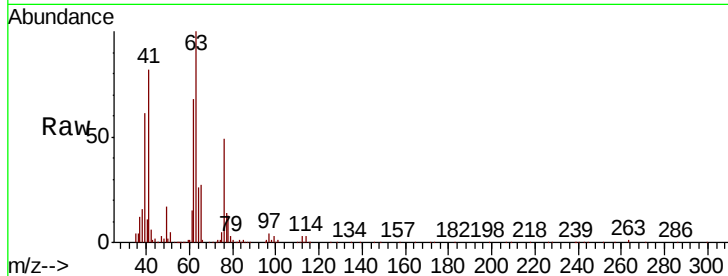
Time-->





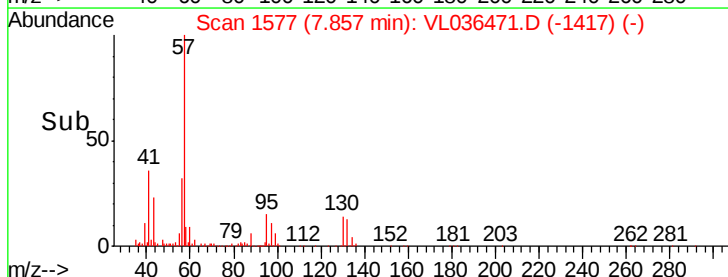
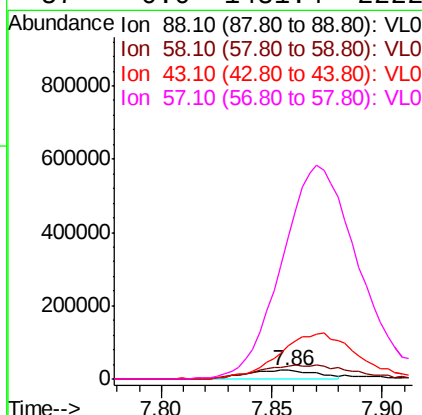
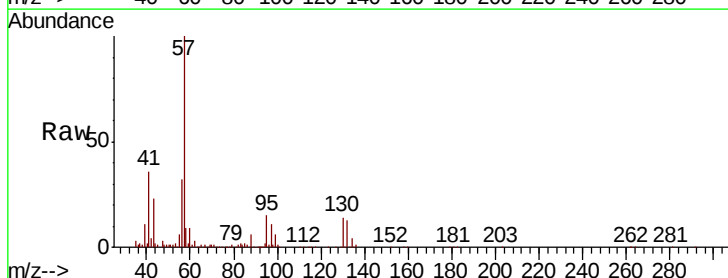
#39
 1,2-Dichloropropane
 Concen: 2.400 ppbv
 RT: 7.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

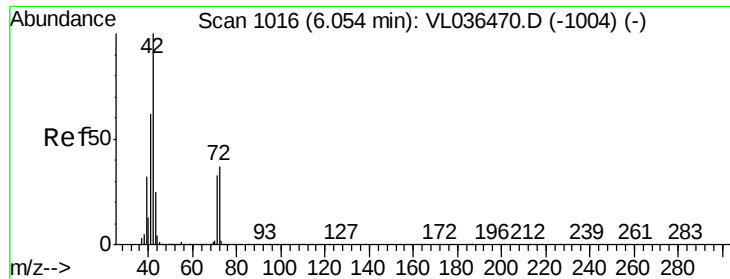
Tot Ion	Ratio	Lower	Upper
63	100		
41	79.4	62.4	93.6
62	67.3	52.8	79.2



#40
 1,4-Dioxane
 Concen: 1.327 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

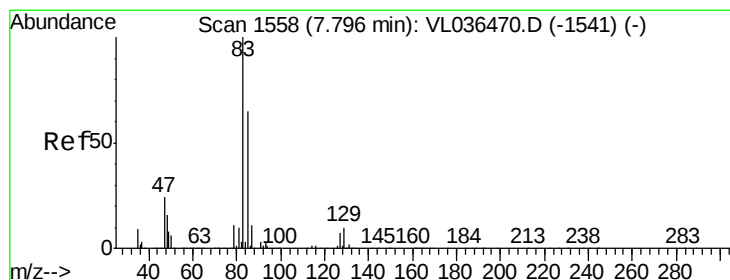
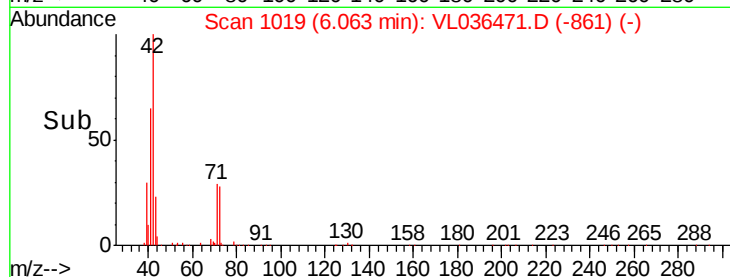
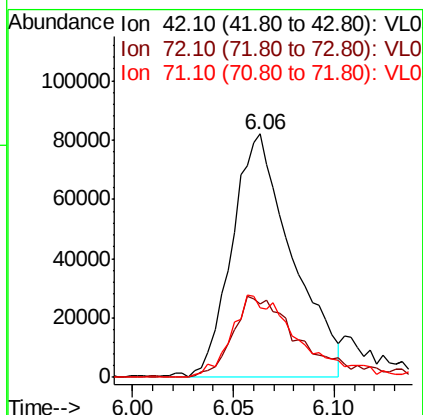
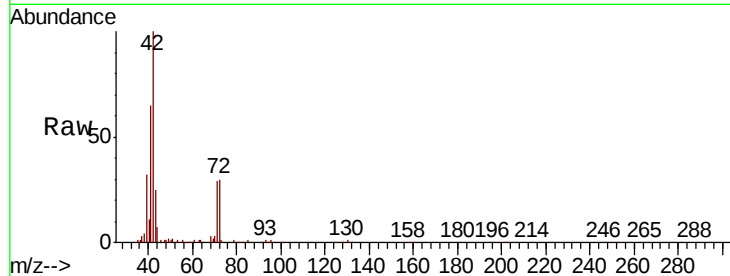
Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	135.3	202.9#
43	0.0	347.4	521.0#
57	0.0	1481.4	2222.0#





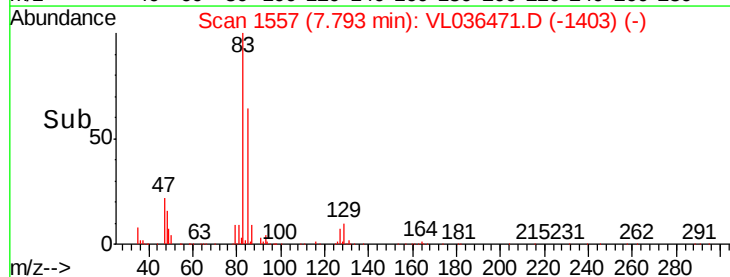
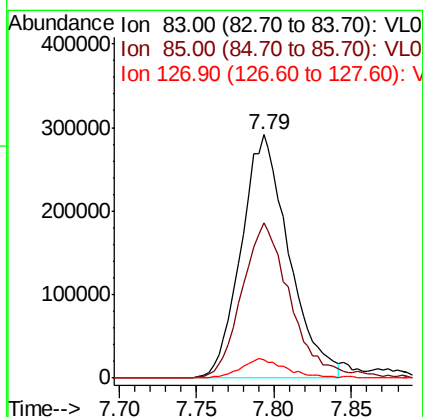
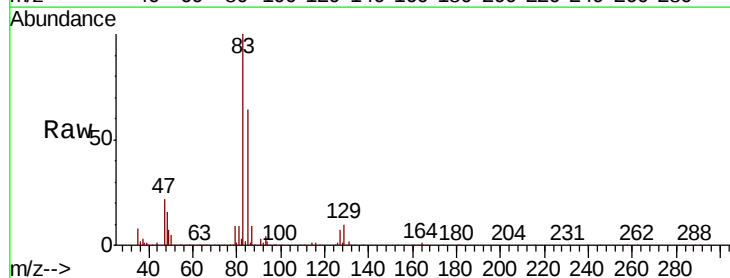
#41
Tetrahydrofuran
Concen: 1.398 ppbv
RT: 6.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 2:42

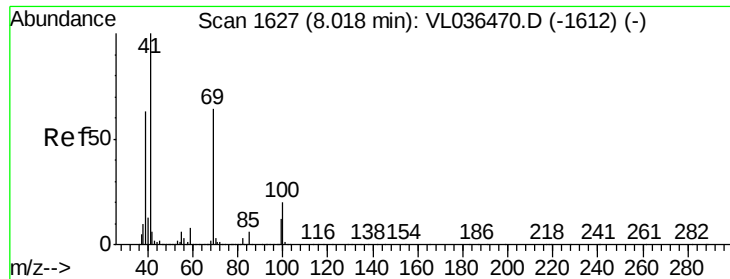
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.4	30.3	45.5
71	37.9	29.4	44.0



#42
Bromodichloromethane
Concen: 2.375 ppbv
RT: 7.79 min Scan# 1557
Delta R.T.: -0.00 min
Lab File: VL036471.D
Acq: 25 Mar 2021 2:42

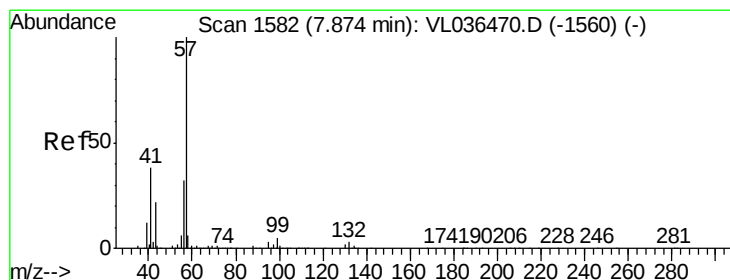
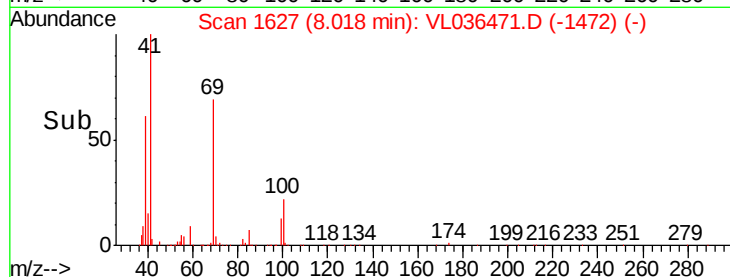
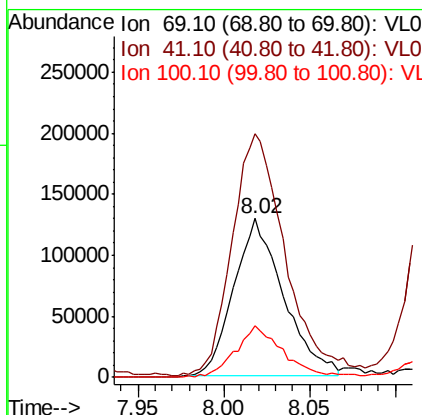
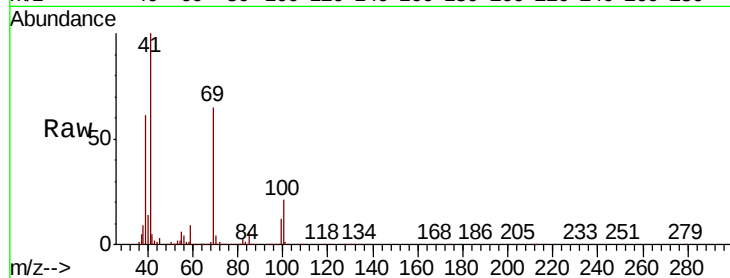
Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.8	77.6
127	7.5	5.8	8.8





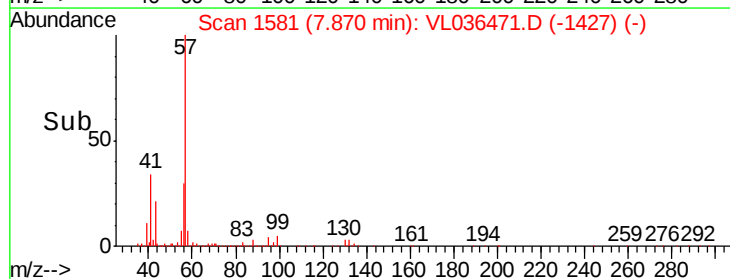
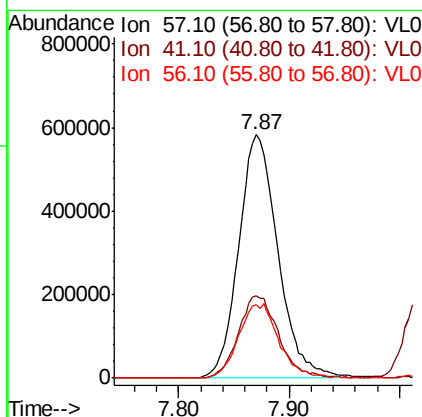
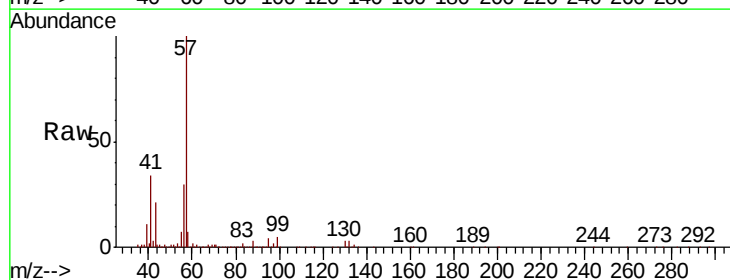
#43
Methvl Methacrilate
Concen: 2.145 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 25 Mar 2021 2:42

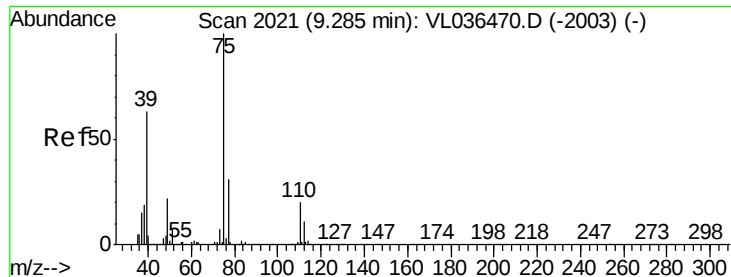
Tot Ion	69	Resp	261174
Ion Ratio	Lower	Upper	
69	100		
41	163.5	126.8	190.2
100	31.2	24.9	37.3



#44
2,2,4-Trimethylpentane
Concen: 2.545 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL036471.D
Acq: 25 Mar 2021 2:42

Tgt Ion	57	Resp	1434989
Ion Ratio	Lower	Upper	
57	100		
41	34.5	28.8	43.2
56	31.6	26.1	39.1





#45

t-1,3-Dichloropropene

Concen: 2.401 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

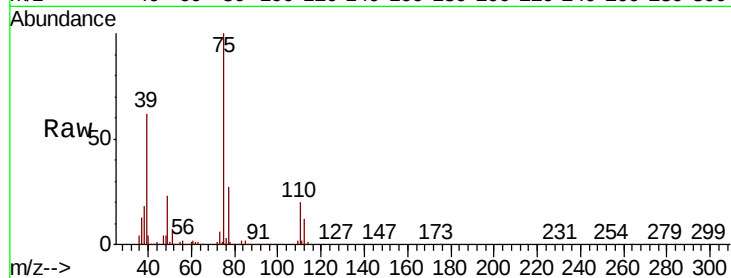
Acq: 25 Mar 2021 2:42

Tot Ion: 75 Resp: 292075

Ion Ratio Lower Upper

75 100

77 26.6 25.1 37.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

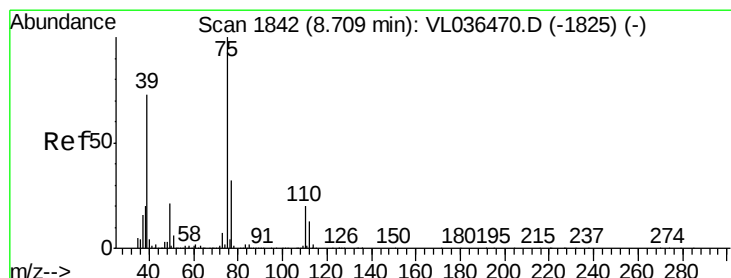
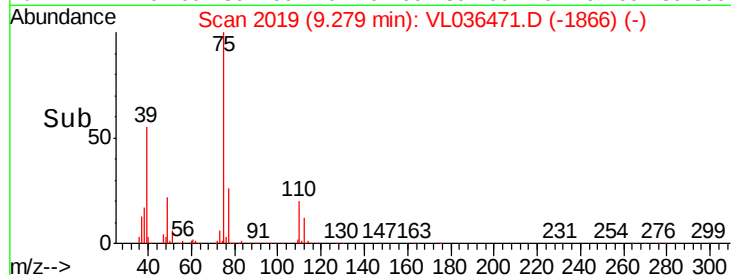
150000

100000

50000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 1.362 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

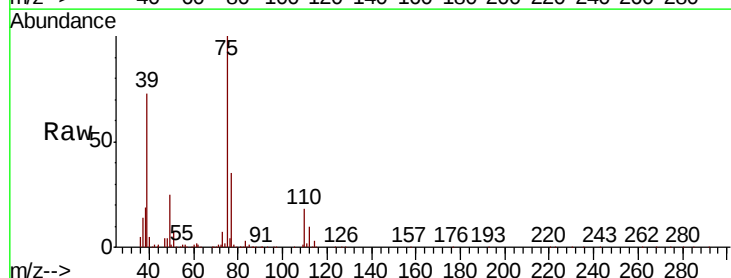
Tgt Ion: 75 Resp: 216329

Ion Ratio Lower Upper

75 100

39 72.6 58.2 87.2

77 35.2 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

200000

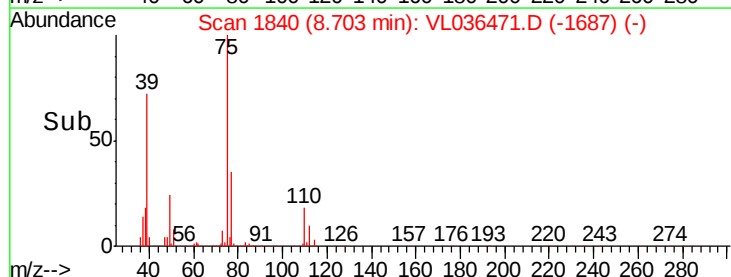
150000

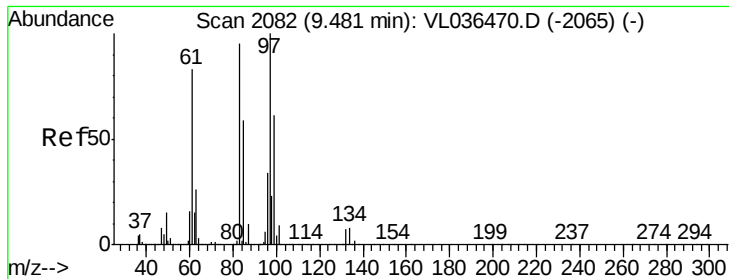
100000

50000

0

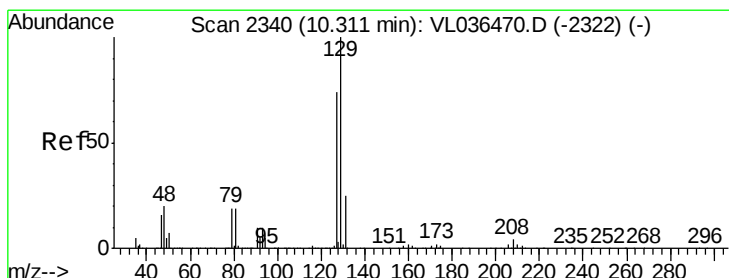
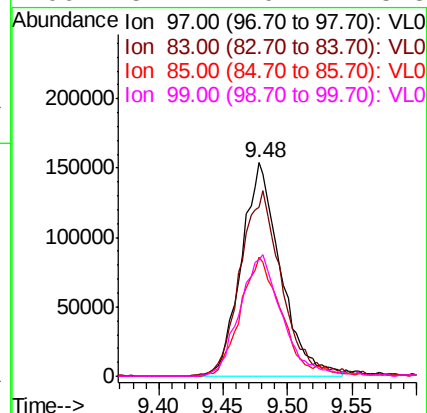
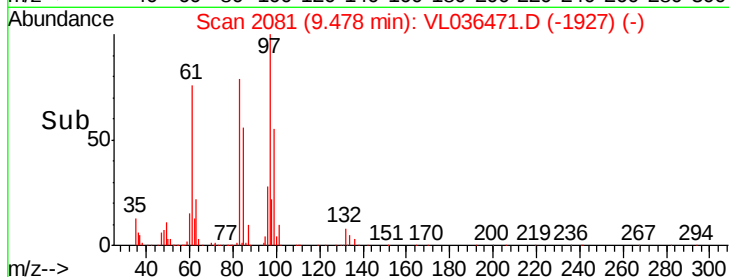
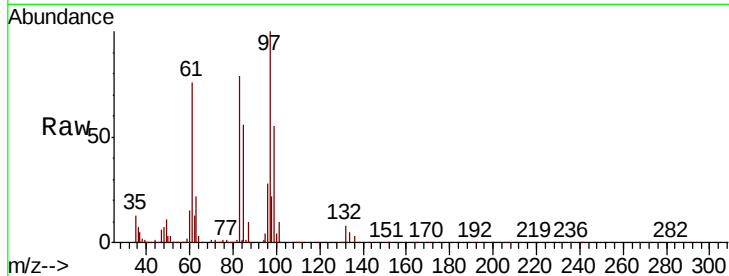
Time-->





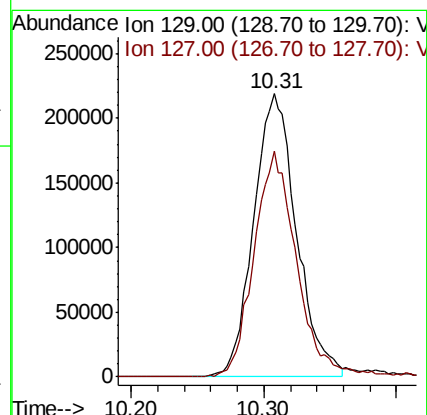
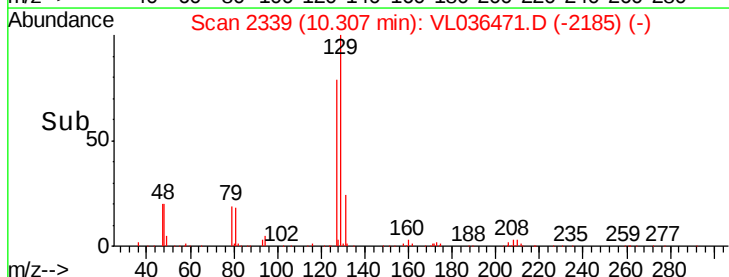
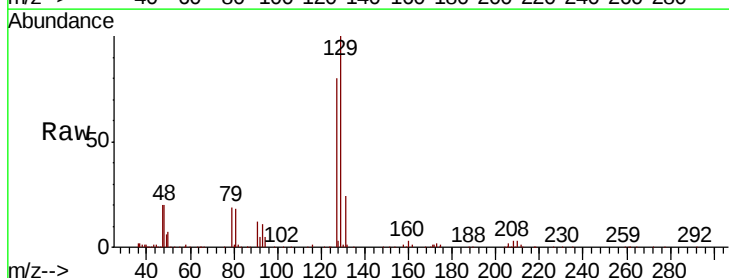
#47
 1,1,2-Trichloroethane
 Concen: 2.476 ppbv
 RT: 9.48 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 2:42

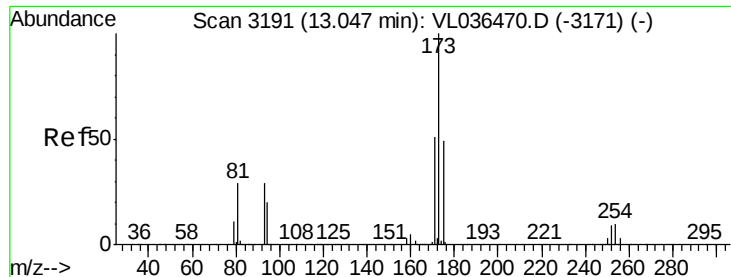
Tot Ion:	97	Resp:	325400
Ion	Ratio	Lower	Upper
97	100		
83	78.5	75.8	113.8
85	55.6	47.1	70.7
99	54.4	49.2	73.8



#48
 Dibromochloromethane
 Concen: 2.467 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T.: -0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

Tgt Ion:	129	Resp:	492261
Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.6	118.8





#49

Bromoform

Concen: 2.422 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 25 Mar 2021 2:42

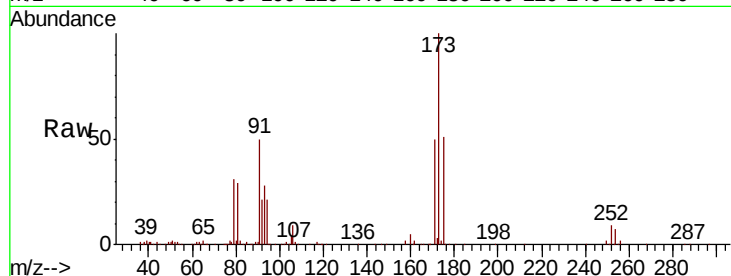
Tot Ion: 173 Resp: 394340

Ion Ratio Lower Upper

173 100

175 50.3 39.6 59.4

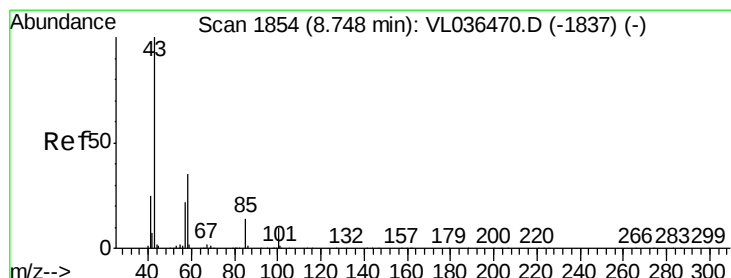
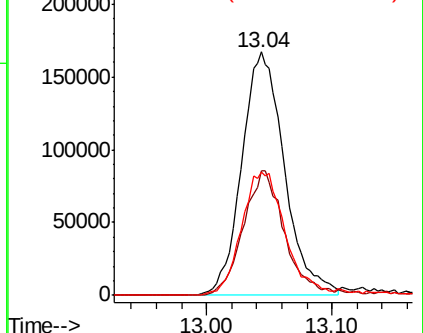
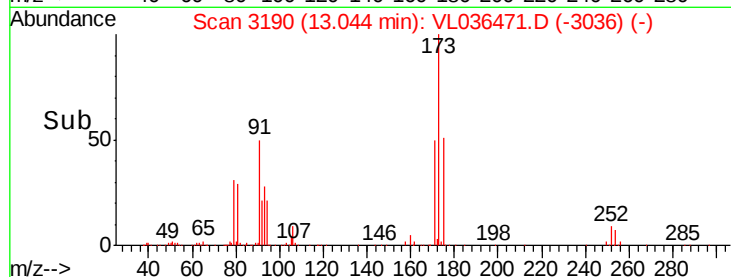
171 53.6 41.4 62.0



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: 1.850 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VL036471.D

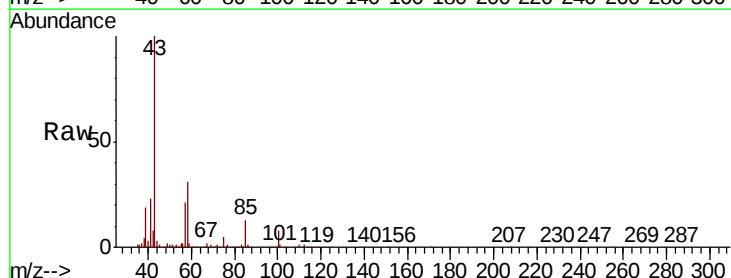
Acq: 25 Mar 2021 2:42

Tgt Ion: 43 Resp: 608009

Ion Ratio Lower Upper

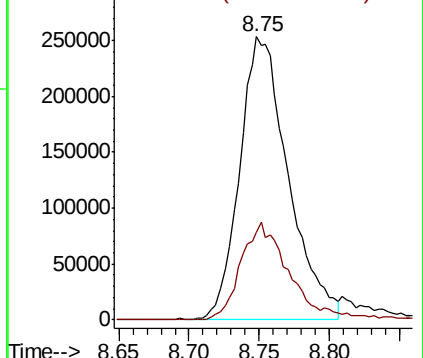
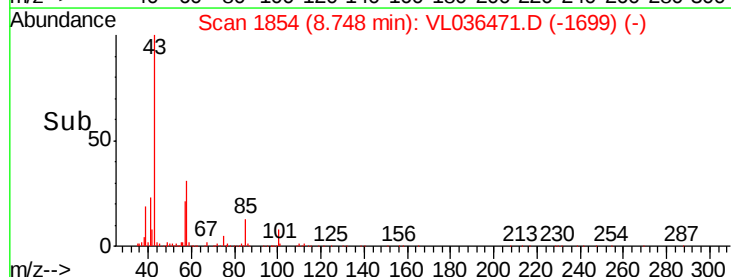
43 100

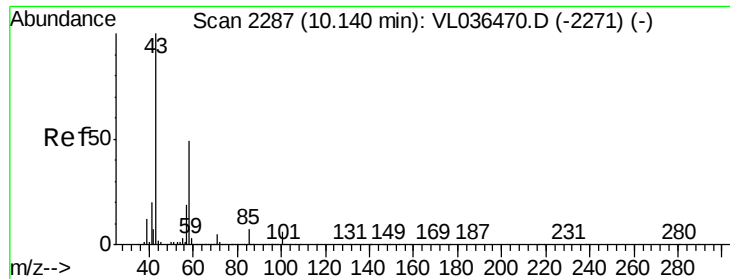
58 34.9 28.1 42.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

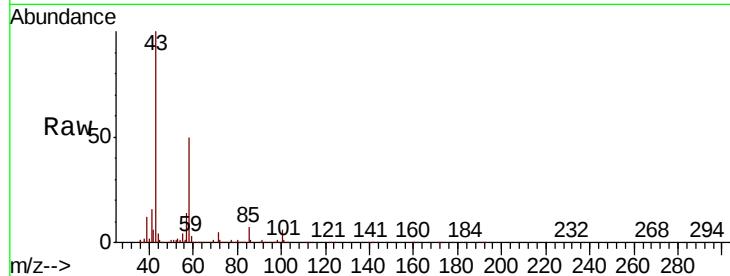
Ion 58.10 (57.80 to 58.80): VL0





#51
2-Hexanone
Concen: 1.320 ppbv
RT: 10.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 2:42

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.2	37.7	56.5
98	0.9	0.2	0.2#

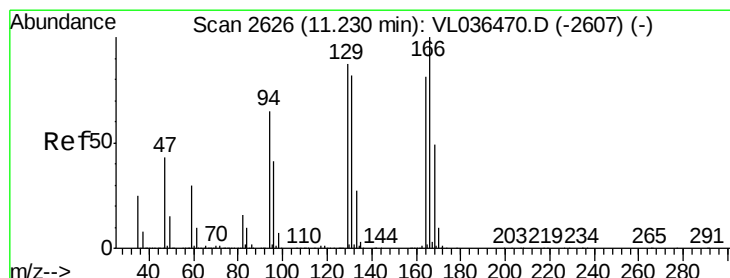
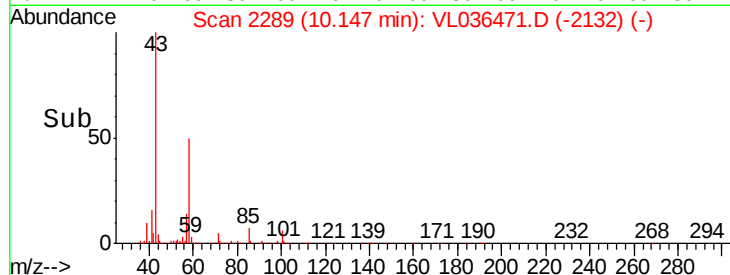
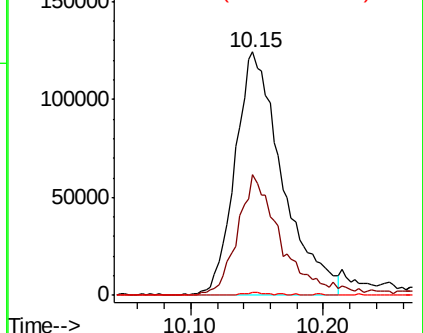


Abundance

Ion 43.10 (42.80 to 43.80): VL0

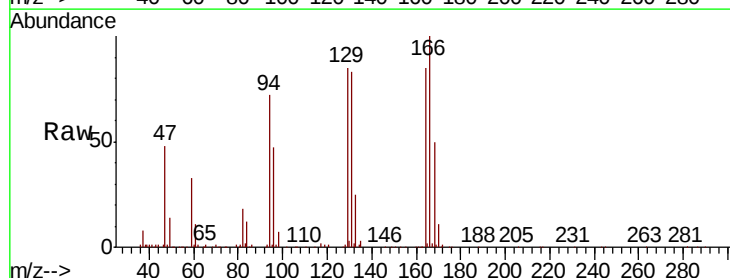
Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52
Tetrachloroethene
Concen: 2.365 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL036471.D
Acq: 25 Mar 2021 2:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.3	98.3	147.5
129	100.8	85.8	128.8
131	98.1	80.9	121.3



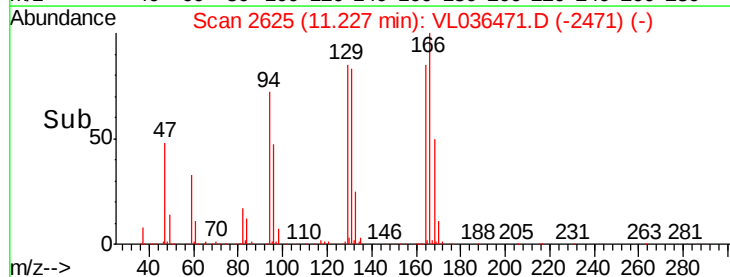
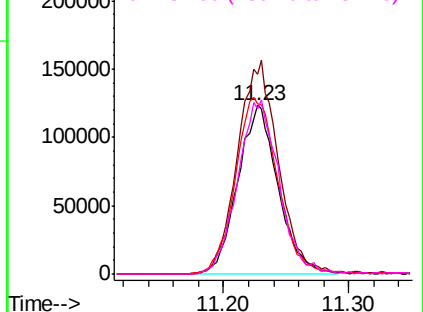
Abundance

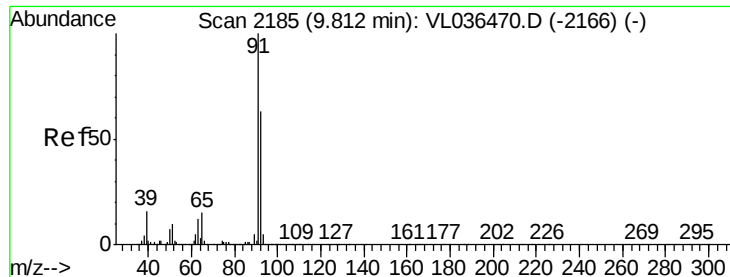
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 2.562 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

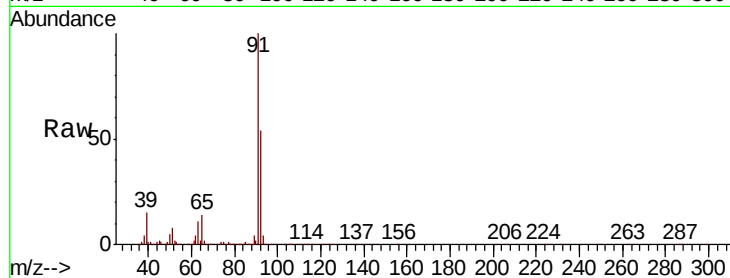
Acq: 25 Mar 2021 2:42

Tot Ion: 91 Resp: 859704

Ion Ratio Lower Upper

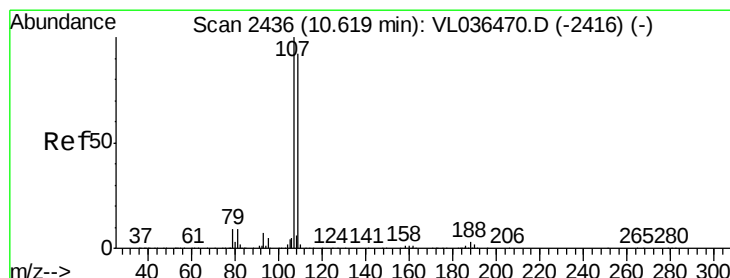
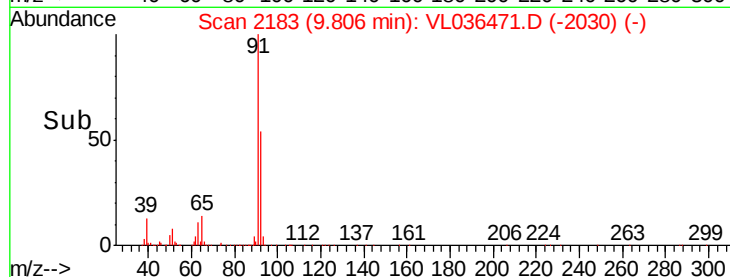
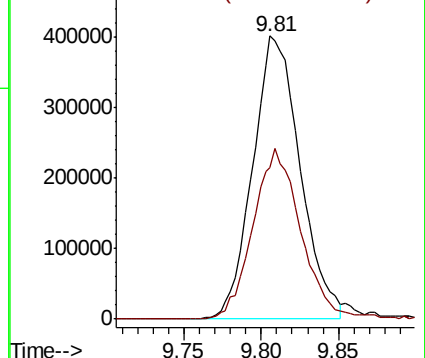
91 100

92 61.2 48.9 73.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.395 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL036471.D

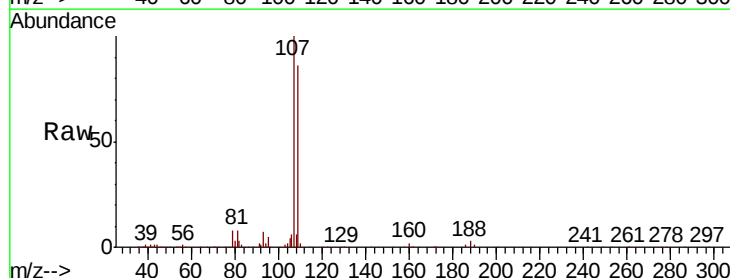
Acq: 25 Mar 2021 2:42

Tgt Ion: 107 Resp: 452708

Ion Ratio Lower Upper

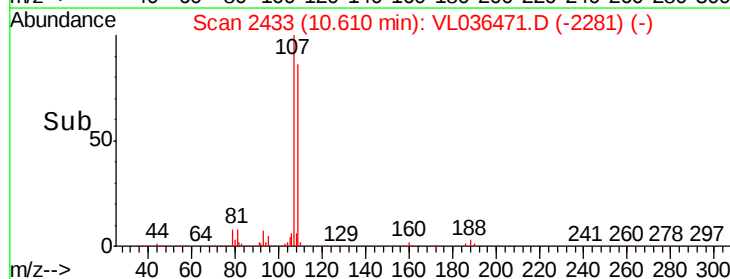
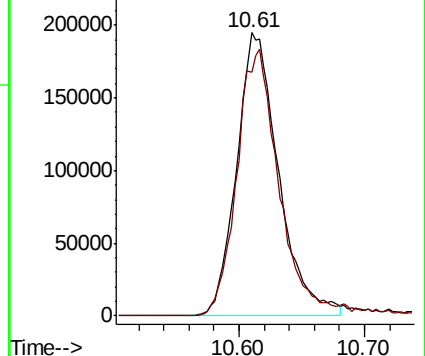
107 100

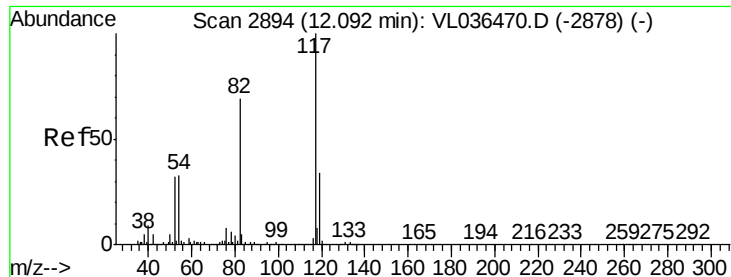
109 86.3 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 2:42

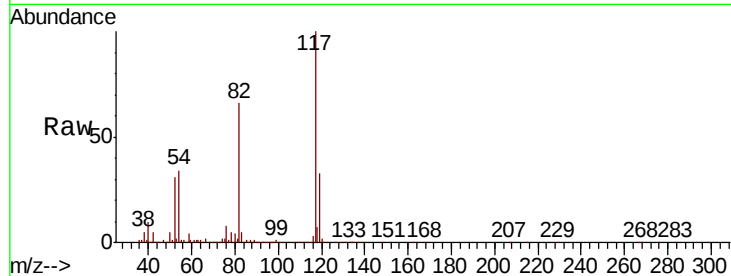
Tot Ion:117 Resp: 3665586

Ion Ratio Lower Upper

117 100

82 66.5 57.4 86.0

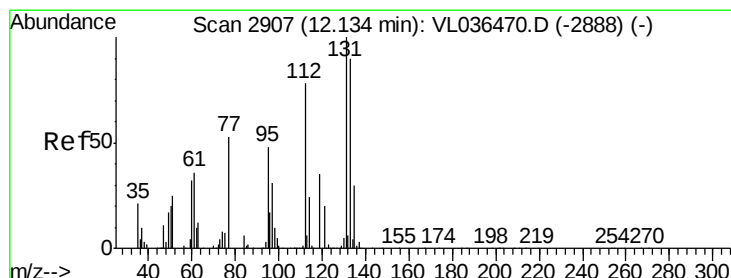
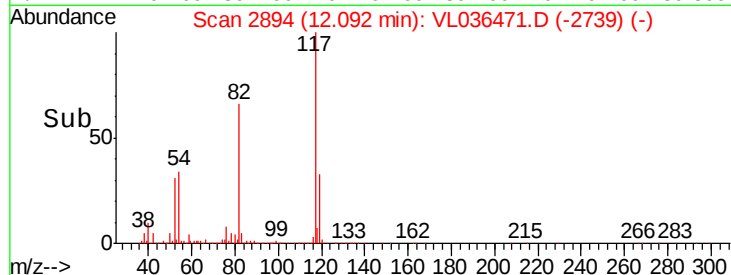
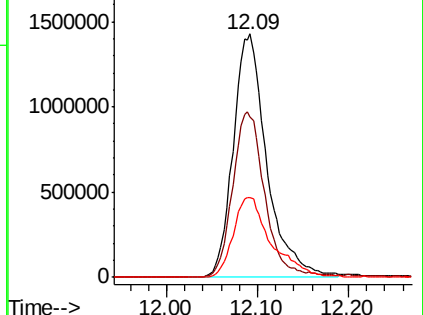
119 37.7 47.4 71.2#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 2.161 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

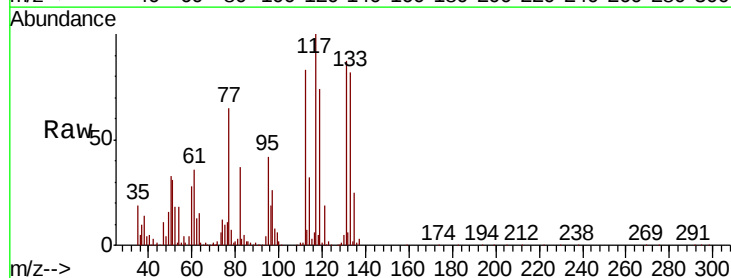
Tgt Ion:131 Resp: 354061

Ion Ratio Lower Upper

131 100

133 97.6 76.0 114.0

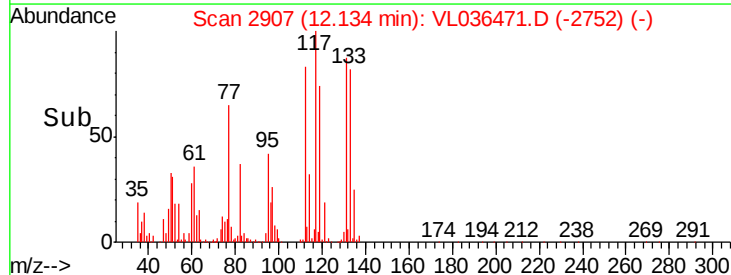
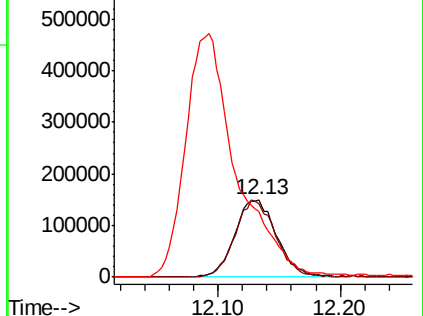
119 389.7 44.9 67.3#

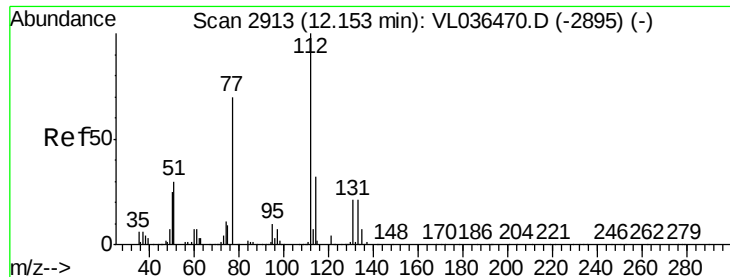


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

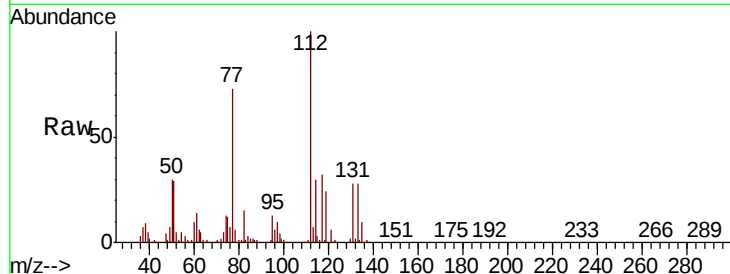
Ion 119.00 (118.70 to 119.70): V



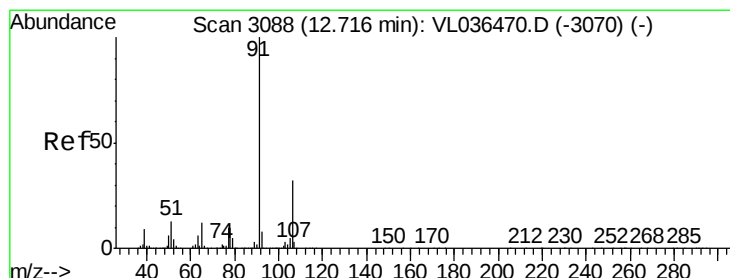
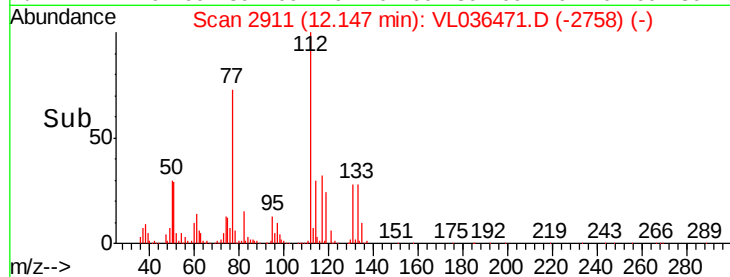
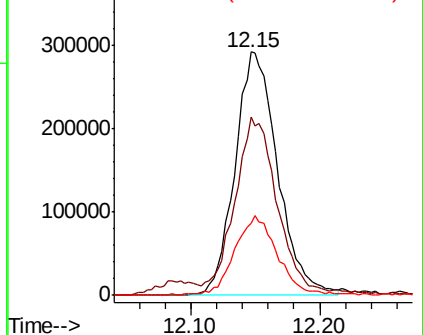


#57
Chlorobenzene
Concen: 2.447 ppbv
RT: 12.15 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 2:42

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.1	56.0	84.0
114	29.2	29.0	35.4

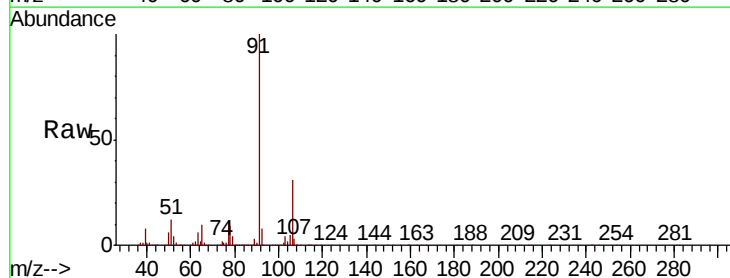


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

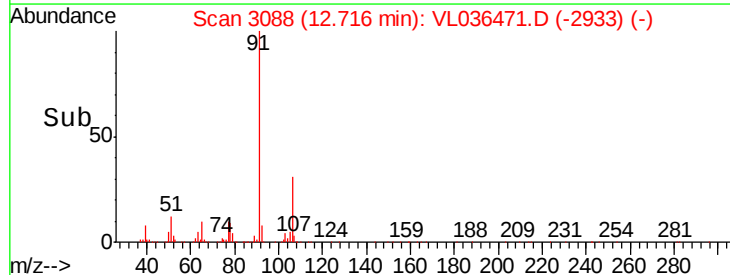
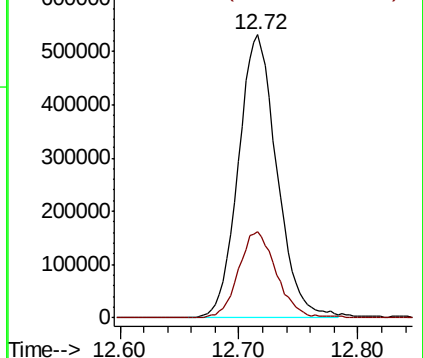


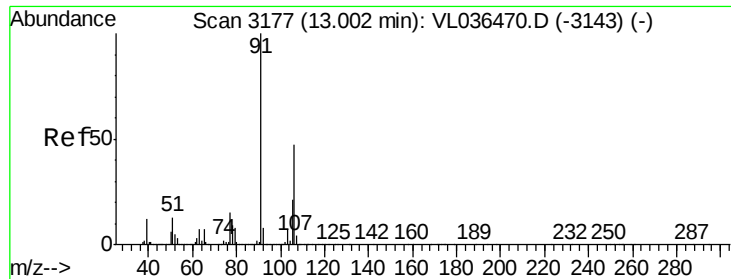
#58
Ethyl Benzene
Concen: 2.527 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL036471.D
Acq: 25 Mar 2021 2:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.3	37.9



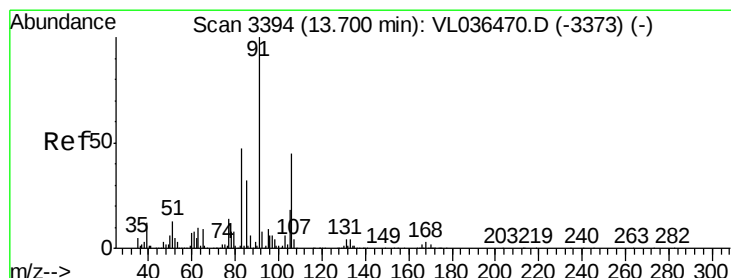
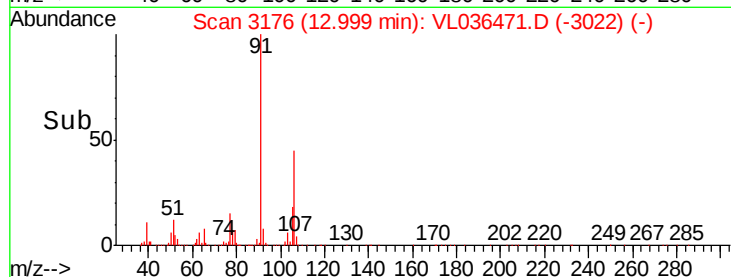
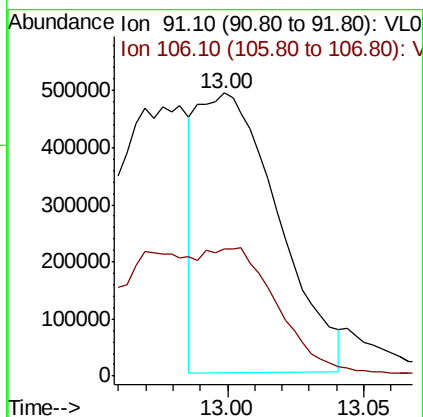
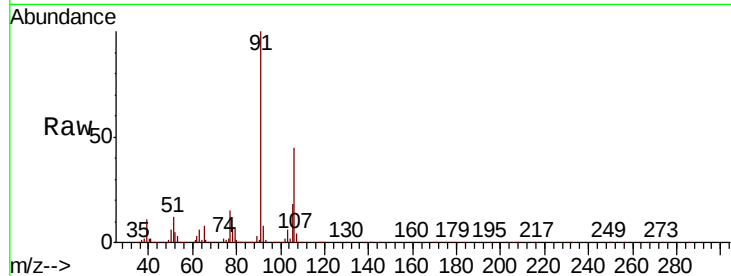
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





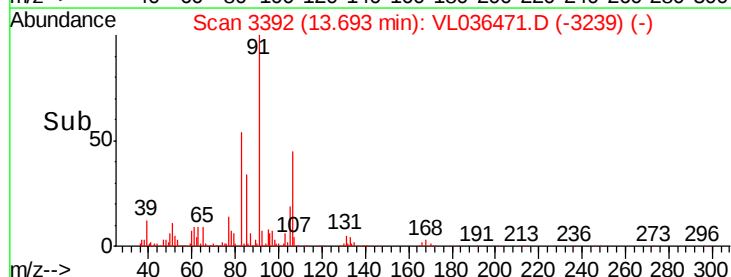
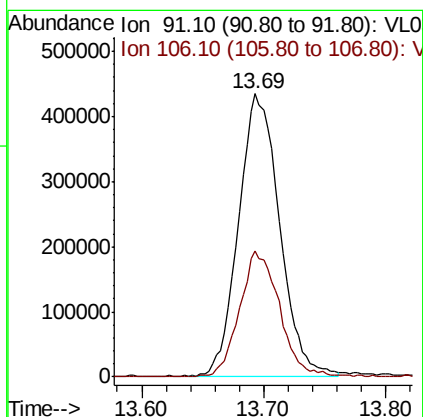
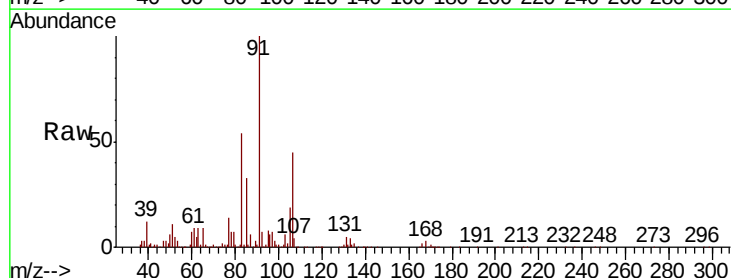
#59
m/p-Xylene
Concen: 2.430 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 2:42

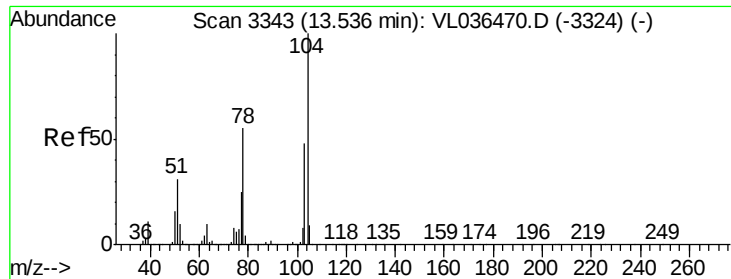
Tot Ion: 91 Resp: 1004584
Ion Ratio Lower Upper
91 100
106 89.0 35.2 52.8#



#60
o-Xylene
Concen: 2.537 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL036471.D
Acq: 25 Mar 2021 2:42

Tgt Ion: 91 Resp: 1007102
Ion Ratio Lower Upper
91 100
106 43.4 22.3 66.9





#61

Stvrene

Concen: 2.139 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File:

Acq: 25 Mar 2021 2:42

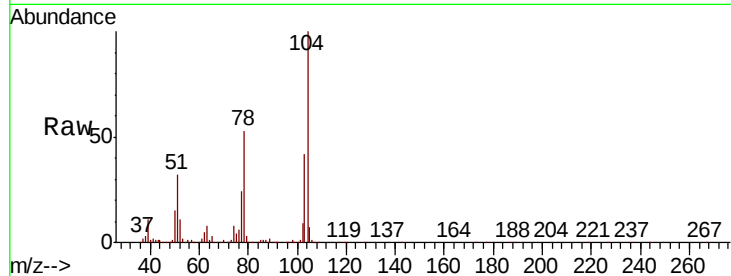
Tot Ion:104 Resp: 499434

Ion Ratio Lower Upper

104 100

78 56.8 43.7 65.5

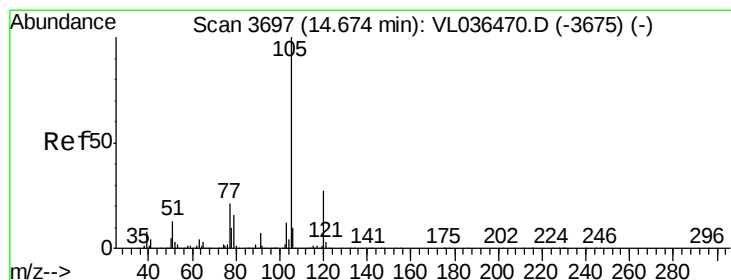
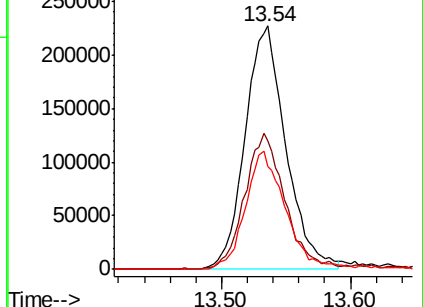
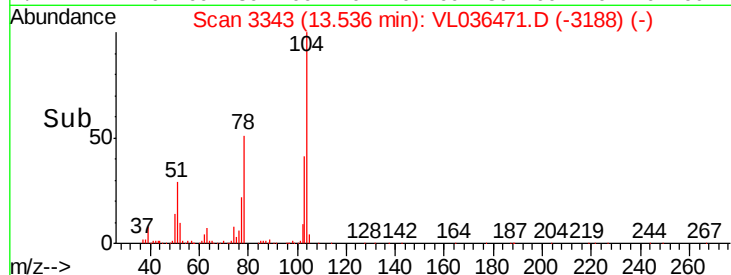
103 48.3 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 2.282 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VL036471.D

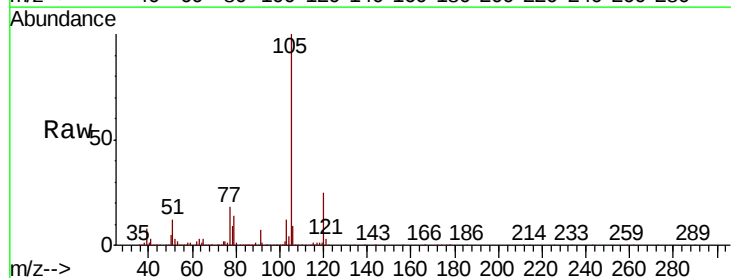
Acq: 25 Mar 2021 2:42

Tgt Ion:105 Resp: 1341688

Ion Ratio Lower Upper

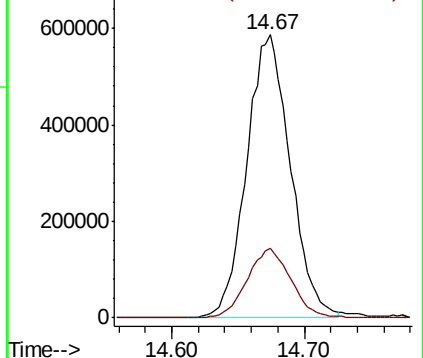
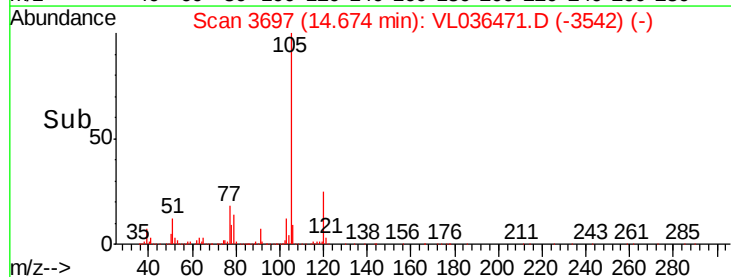
105 100

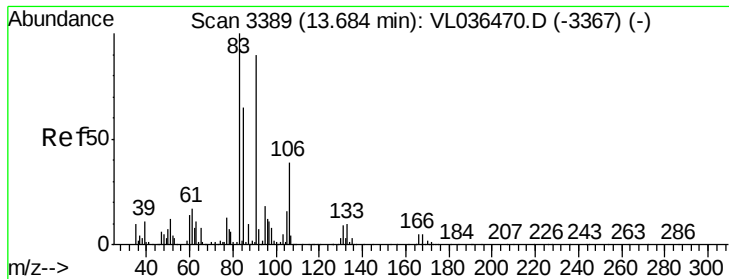
120 24.9 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

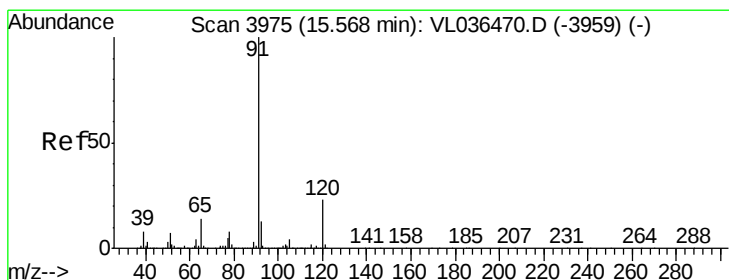
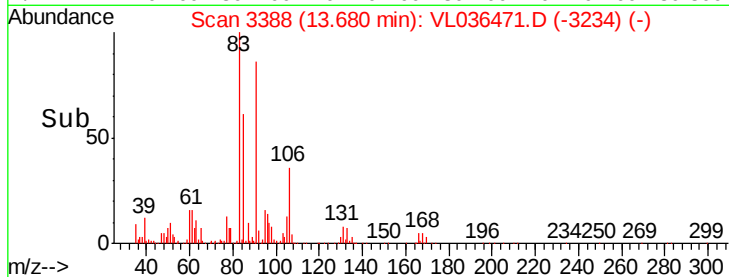
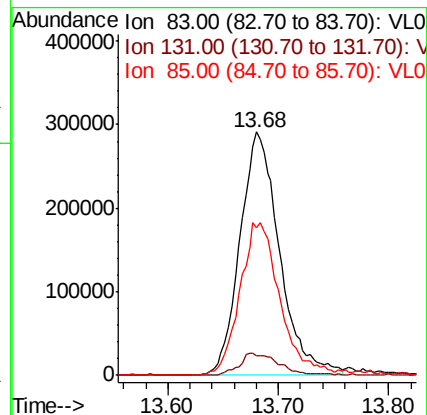
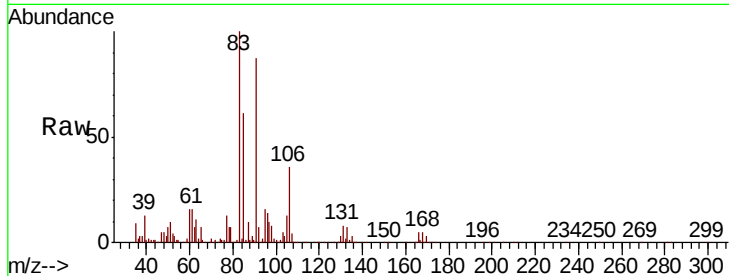
Ion 120.20 (119.90 to 120.90): V





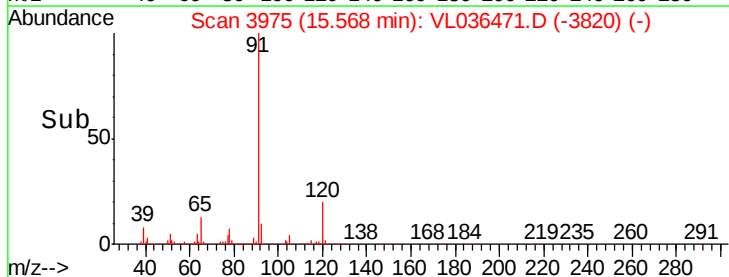
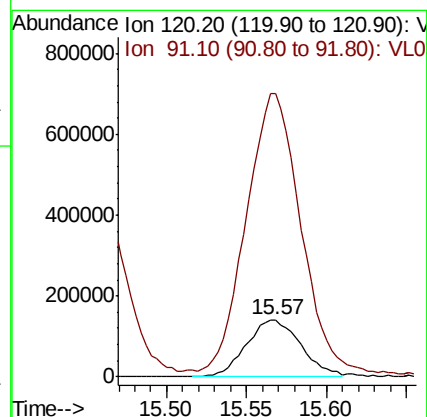
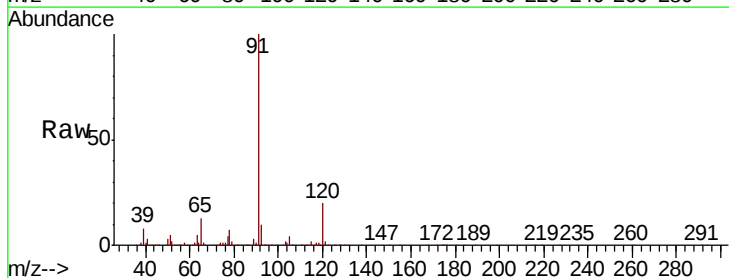
#63
 1,1,2,2-Tetrachloroethane
 Concen: 2.351 ppbv
 RT: 13.68 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

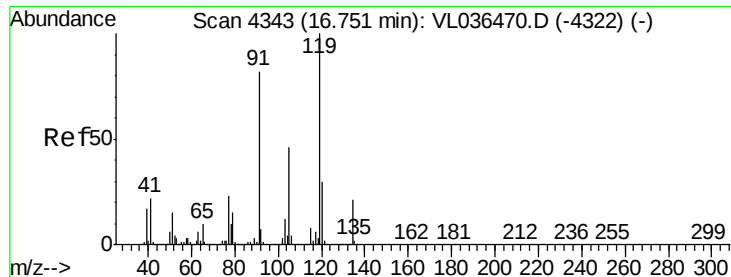
Tot Ion:	83	Resp:	721865
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	64.6	33.2	99.6



#64
 n-propylbenzene
 Concen: 2.248 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

Tgt Ion:	120	Resp:	329053
Ion Ratio	Lower	Upper	
120	100		
91	513.8	377.8	566.6





#65

tert-Butylbenzene

Concen: 2.382 ppbv

RT: 16.75 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 2:42

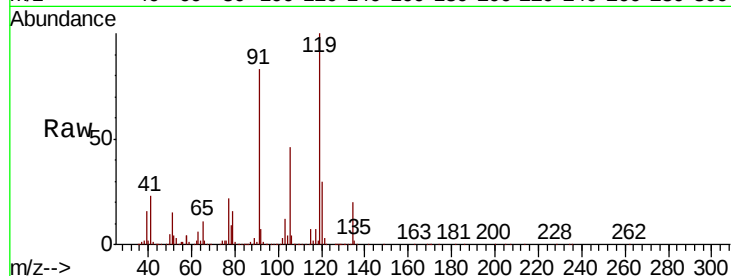
Tot Ion: 119 Resp: 1217589

Ion Ratio Lower Upper

119 100

91 87.0 67.5 101.3

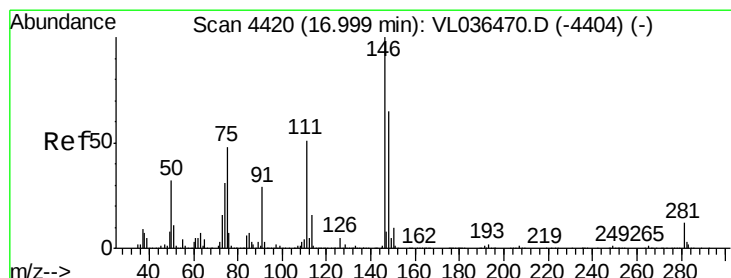
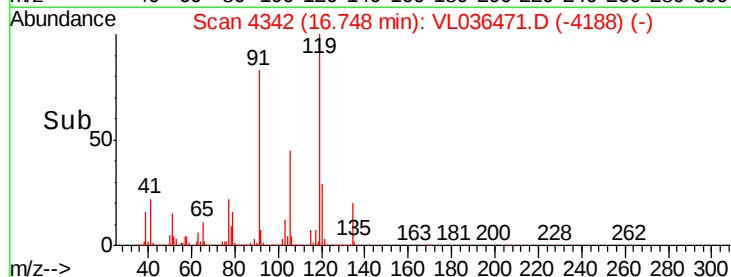
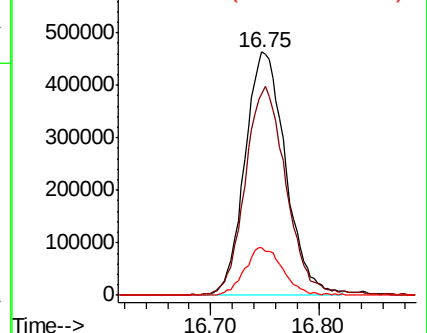
134 18.6 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.836 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.00 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

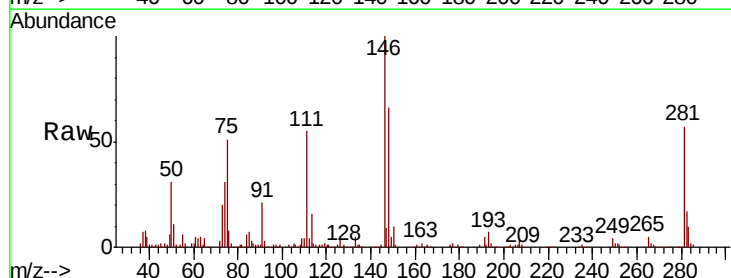
Tgt Ion: 91 Resp: 99908

Ion Ratio Lower Upper

91 100

126 21.4 13.5 20.3#

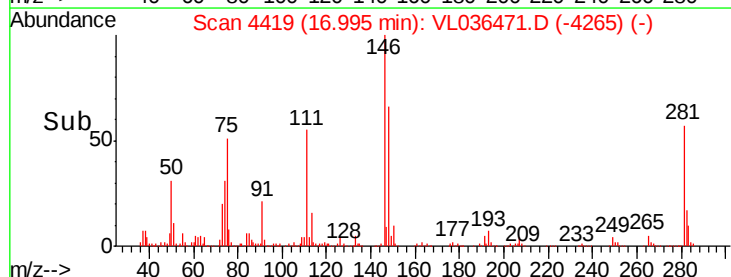
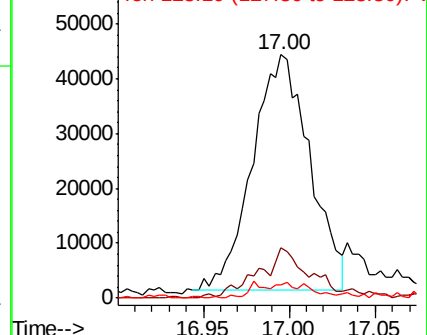
128 6.8 4.2 6.2#

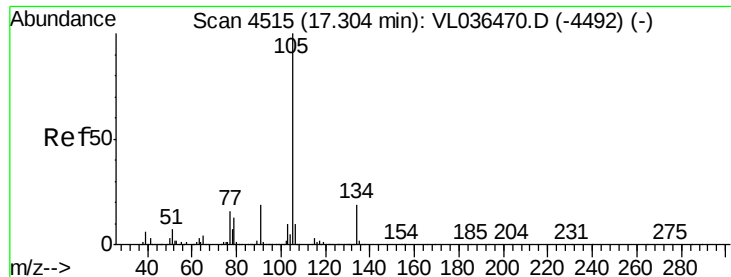


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

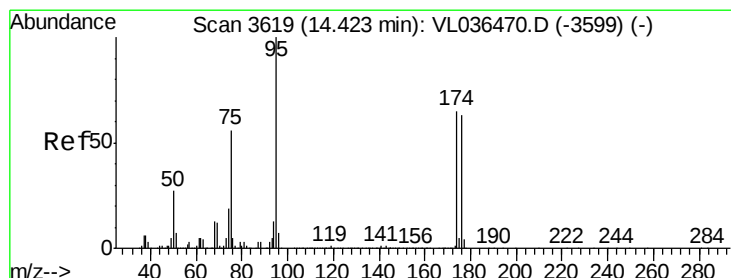
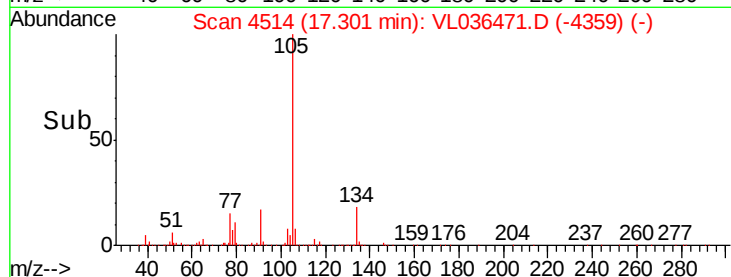
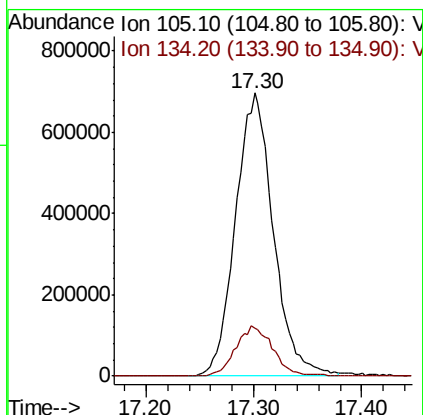
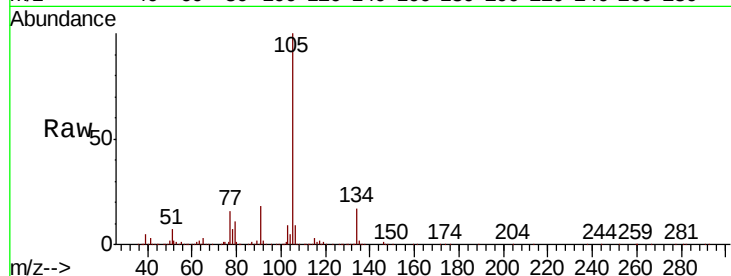
Ion 128.10 (127.80 to 128.80): V





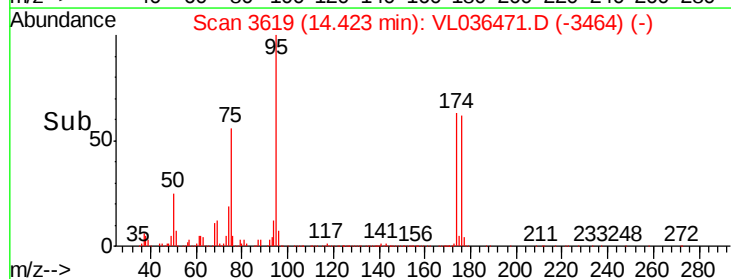
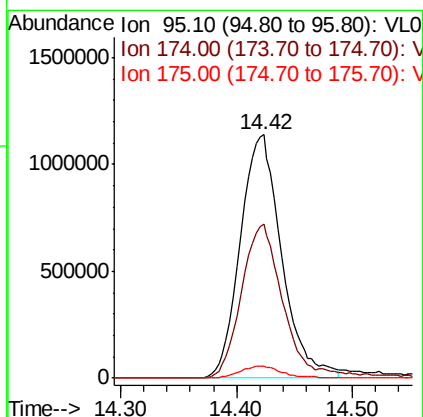
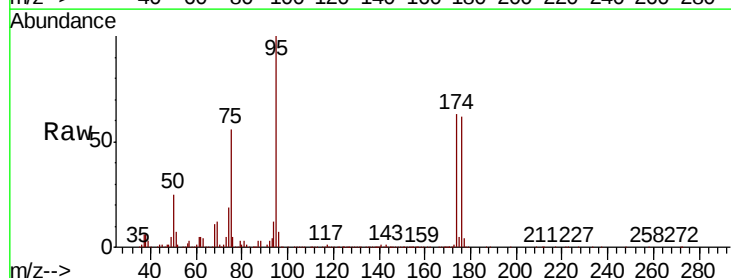
#67
 sec-Butylbenzene
 Concen: 2.364 ppbv
 RT: 17.30 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

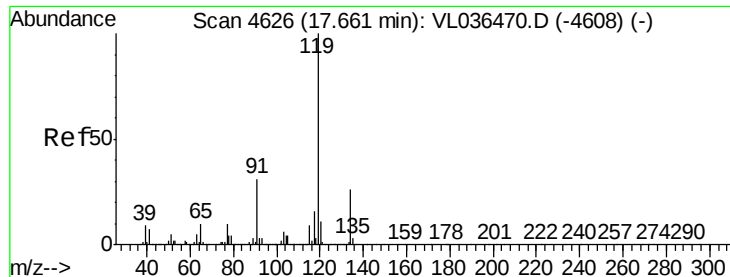
Tot Ion: 105 Resp: 1685151
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.347 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T.: -0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

Tgt Ion: 95 Resp: 2815908
 Ion Ratio Lower Upper
 95 100
 174 65.7 51.0 76.6
 175 5.0 3.9 5.9





#69

p-Isopropyltoluene

Concen: 2.327 ppbv

RT: 17.66 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 2:42

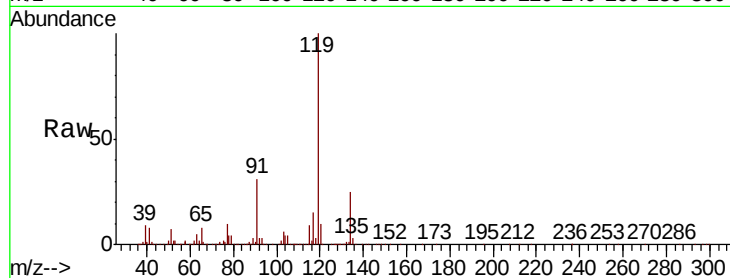
Tot Ion: 119 Resp: 1327313

Ion Ratio Lower Upper

119 100

134 25.3 20.6 30.8

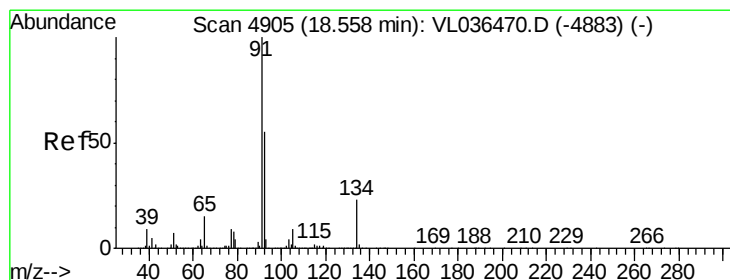
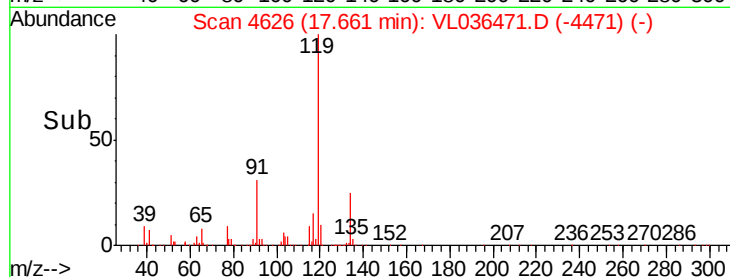
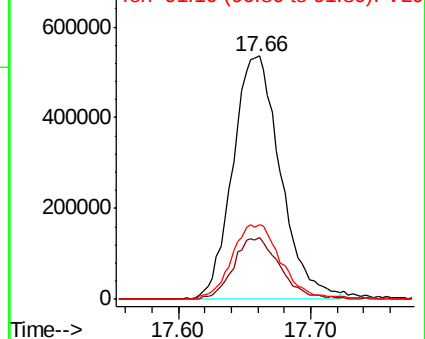
91 32.1 25.0 37.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 2.394 ppbv

RT: 18.55 min Scan# 4904

Delta R.T. -0.00 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

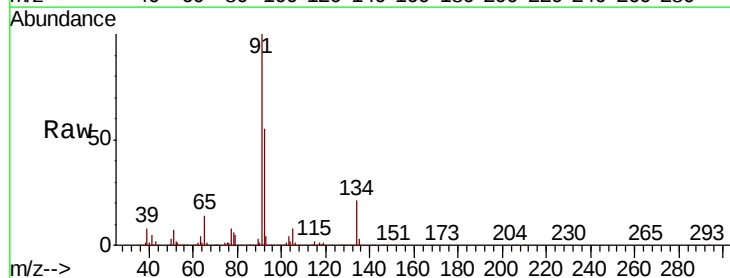
Tgt Ion: 91 Resp: 1410203

Ion Ratio Lower Upper

91 100

92 52.8 43.8 65.8

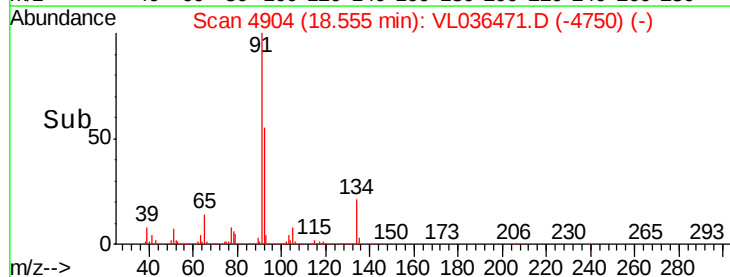
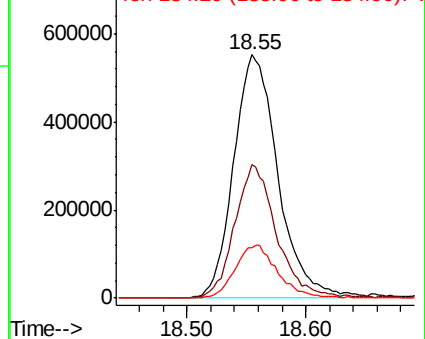
134 21.2 18.0 27.0

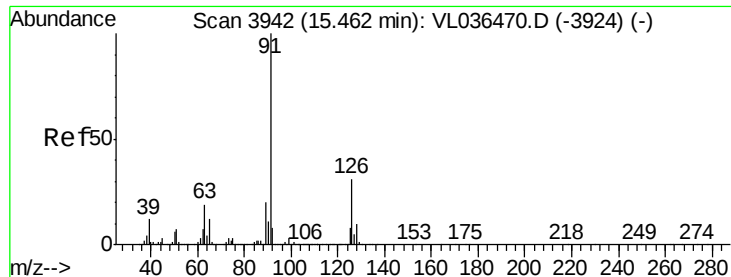


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 2.321 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File:

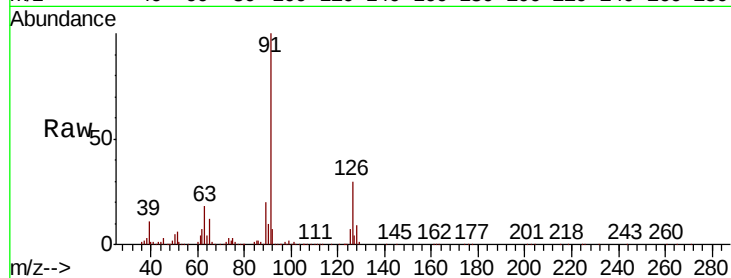
Acq: 25 Mar 2021 2:42

Tot Ion: 91 Resp: 1022262

Ion Ratio Lower Upper

91 100

126 29.0 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

800000

600000

400000

200000

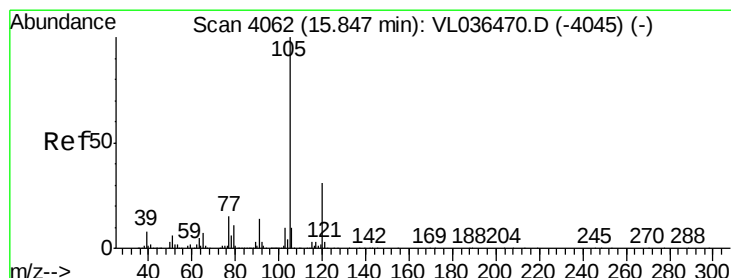
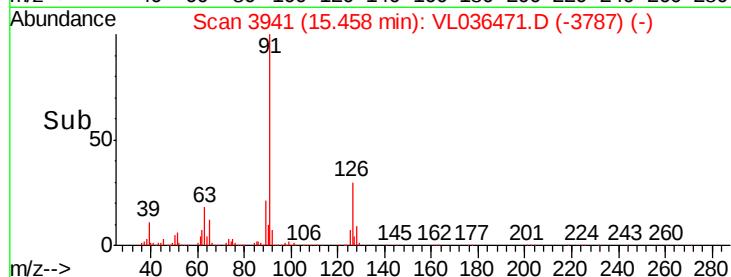
0

15.40

15.50

15.46

Time-->



#72

4-Ethyltoluene

Concen: 2.533 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. -0.01 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

Tgt Ion: 105 Resp: 1094788

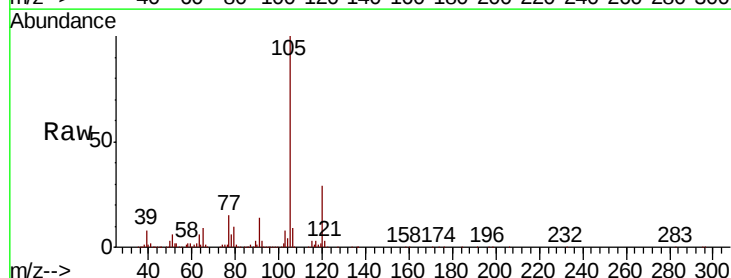
Ion Ratio Lower Upper

105 100

120 31.2 24.0 36.0

91 14.2 11.0 16.4

77 14.9 11.7 17.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

400000

200000

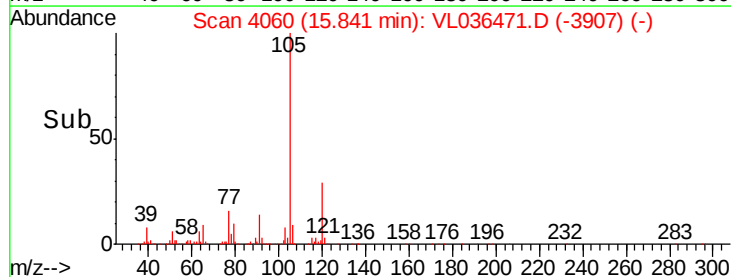
0

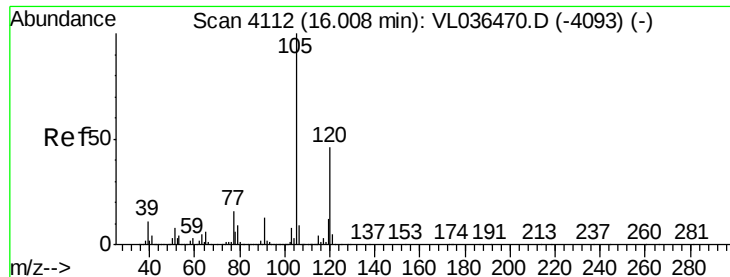
15.80

15.90

15.84

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 2.451 ppbv

RT: 16.00 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

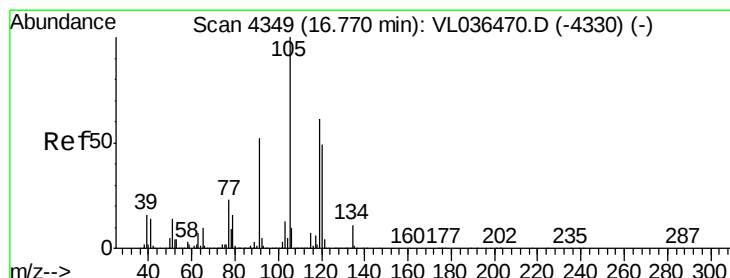
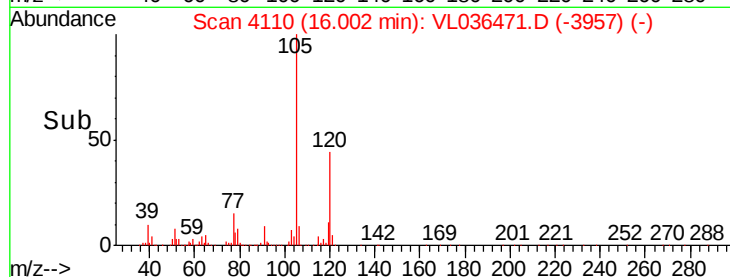
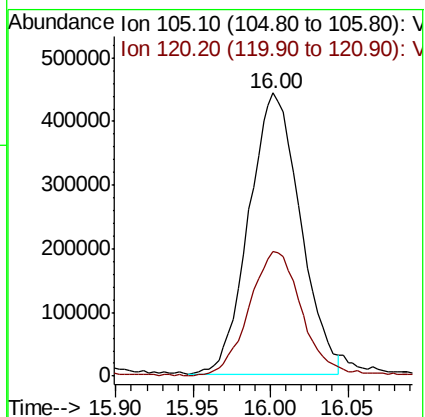
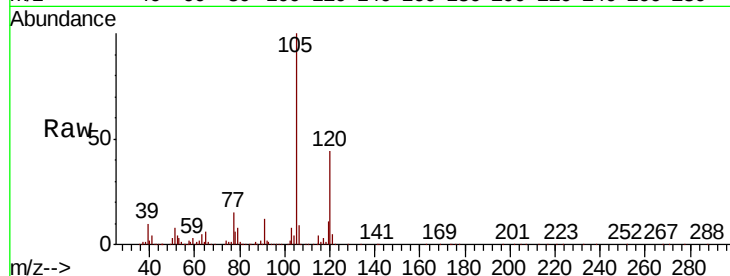
Acq: 25 Mar 2021 2:42

Tot Ion:105 Resp: 1020840

Ion Ratio Lower Upper

105 100

120 43.9 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 2.503 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL036471.D

Acq: 25 Mar 2021 2:42

Tgt Ion:105 Resp: 1106162

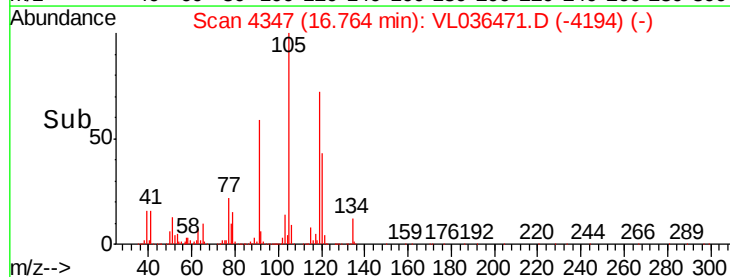
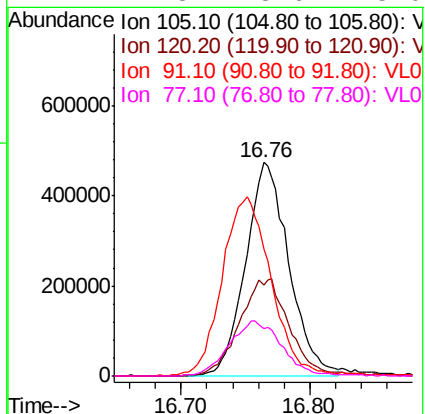
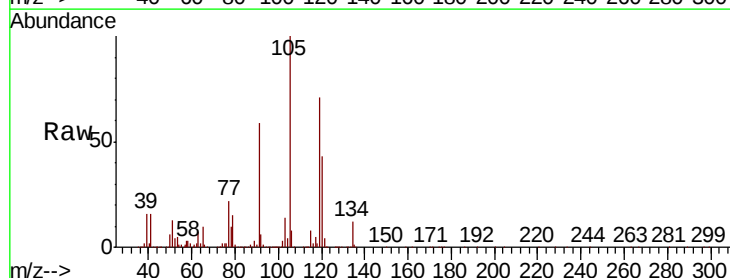
Ion Ratio Lower Upper

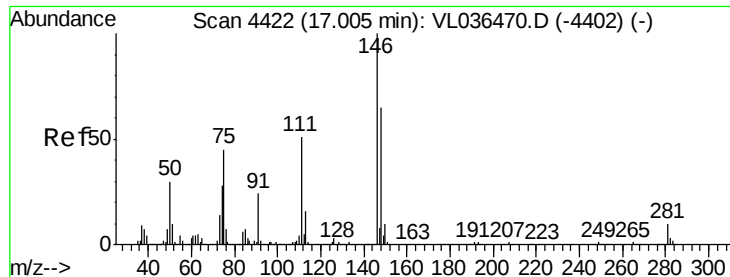
105 100

120 42.2 39.2 58.8

91 57.7 42.6 64.0

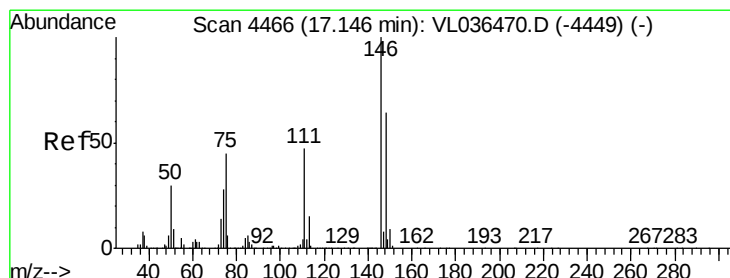
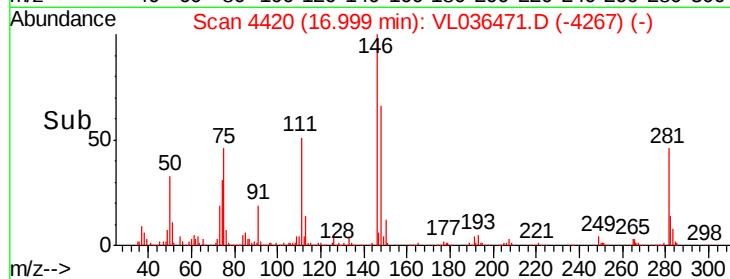
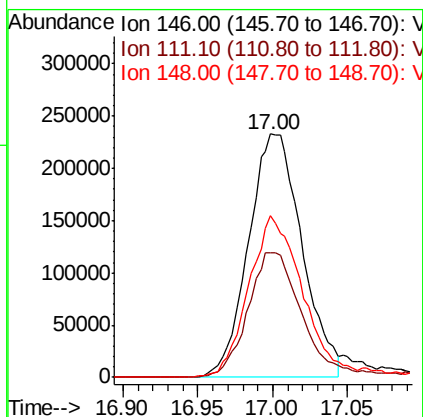
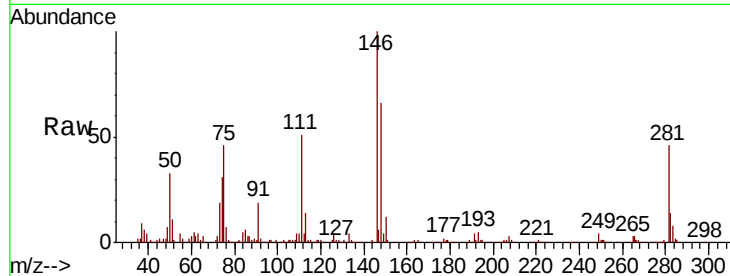
77 21.8 18.6 28.0





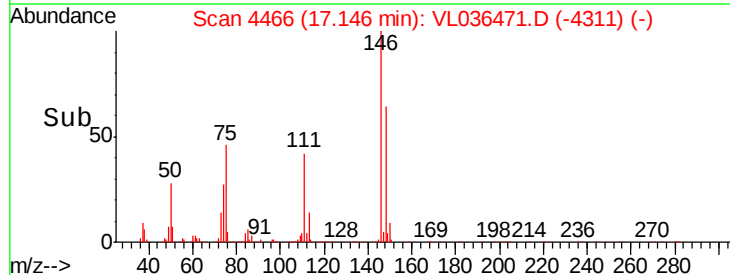
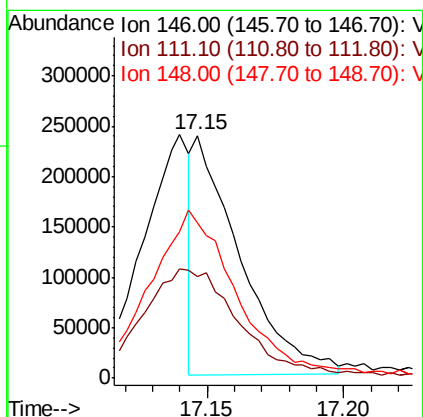
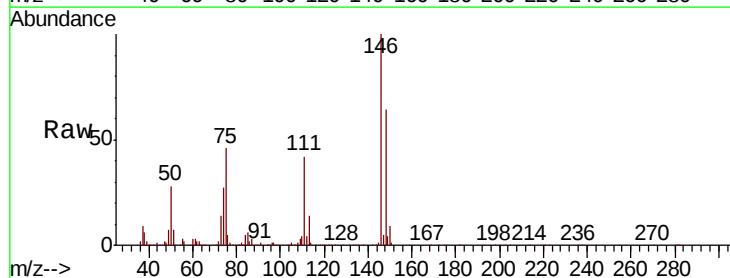
#75
 1,3-Dichlorobenzene
 Concen: 2.342 ppbv
 RT: 17.00 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

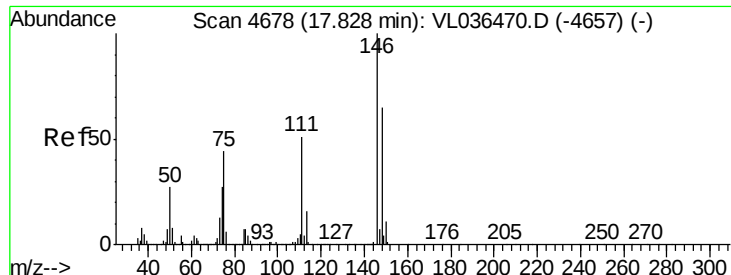
Tot Ion:	146	Resp:	579267
Ion	Ratio	Lower	Upper
146	100		
111	52.6	24.6	73.8
148	68.6	32.3	96.8



#76
 1,4-Dichlorobenzene
 Concen: 1.126 ppbv
 RT: 17.15 min Scan# 4466
 Delta R.T. -0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

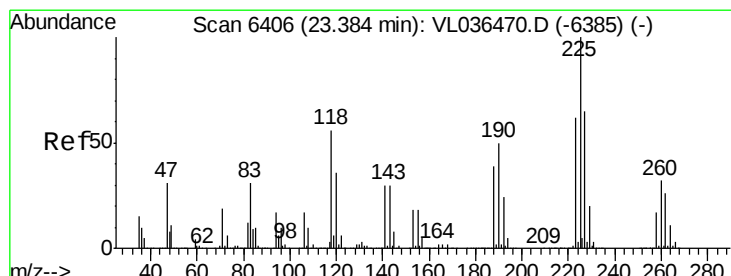
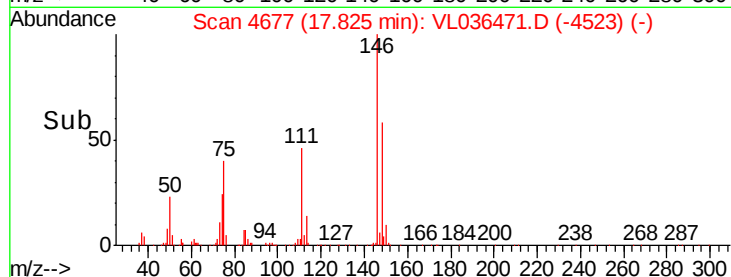
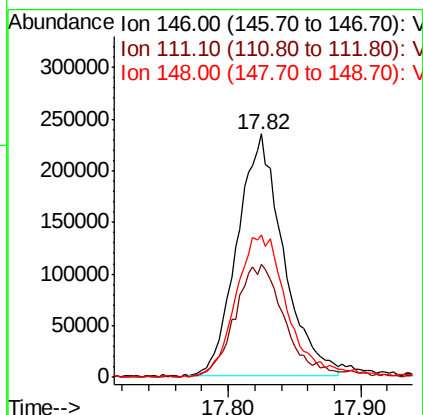
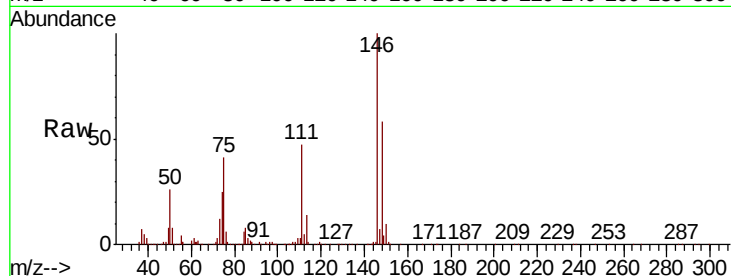
Tgt Ion:	146	Resp:	277899
Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.3	73.0#
148	142.4	32.9	98.6#





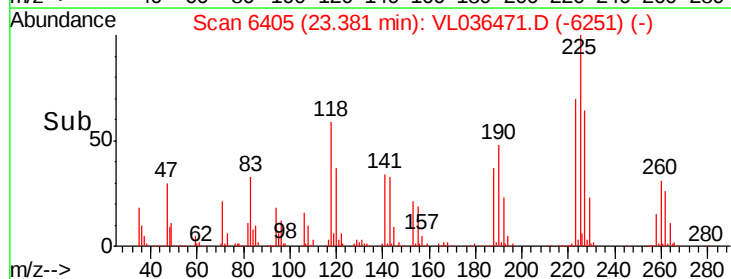
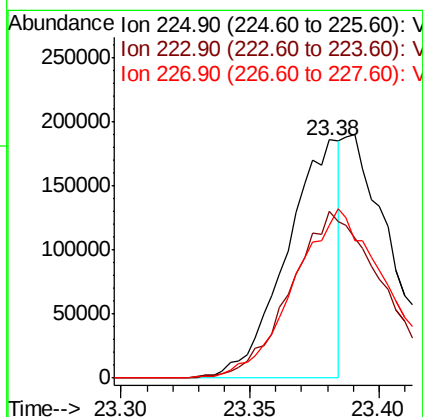
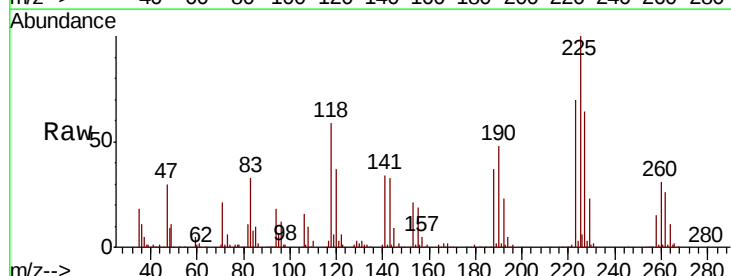
#77
 1,2-Dichlorobenzene
 Concen: 2.347 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 2:42

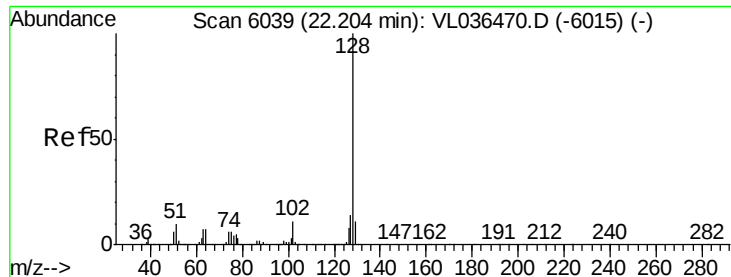
Tot Ion	Ratio	Lower	Upper
146	100		
111	52.0	25.5	76.5
148	66.7	32.9	98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.350 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.00 min
 Lab File: VL036471.D
 Acq: 25 Mar 2021 2:42

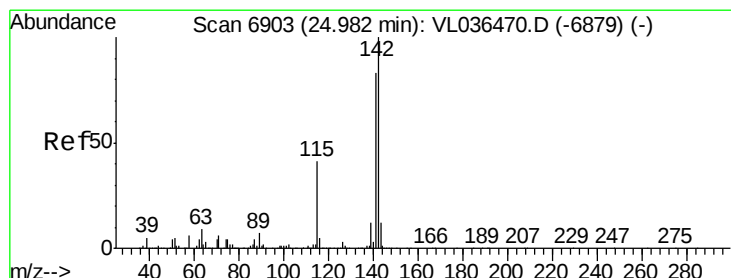
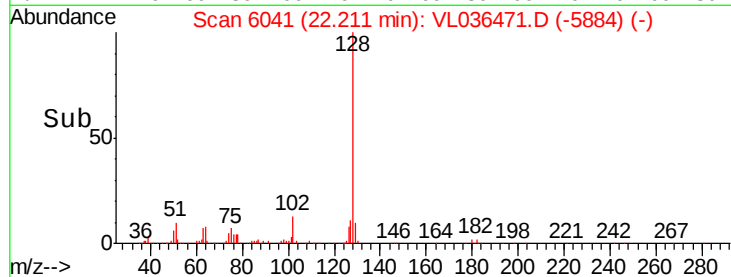
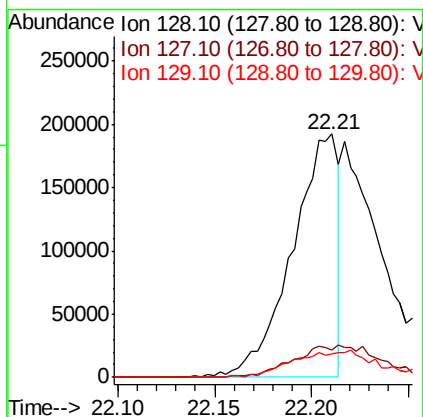
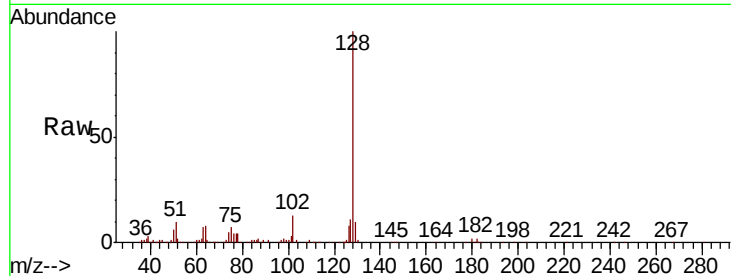
Tgt Ion	Ratio	Lower	Upper
225	100		
223	129.7	50.9	76.3#
227	132.4	52.2	78.2#





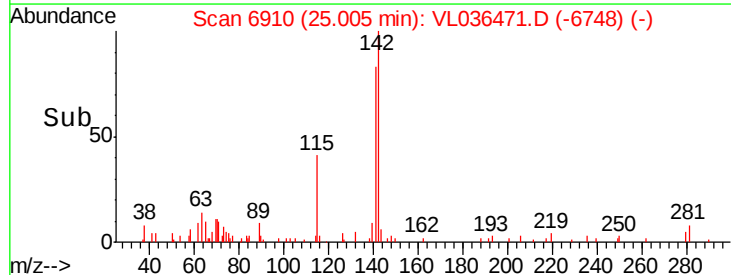
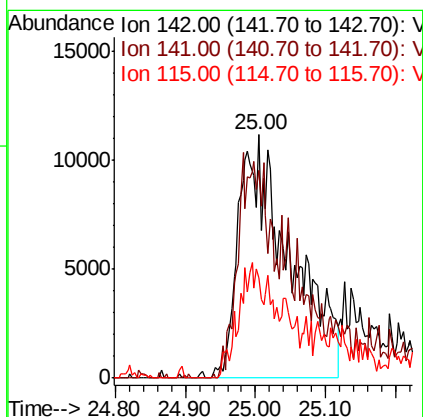
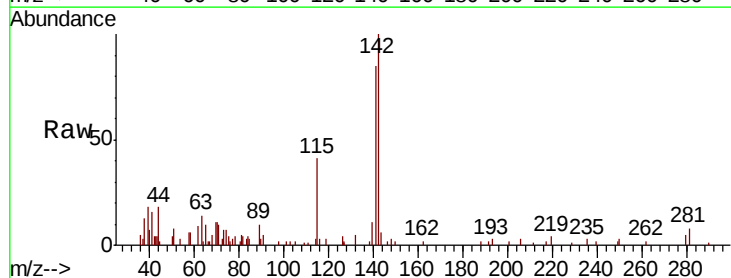
#79
Naphthalene
Concen: 1.199 ppbv
RT: 22.21 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 2:42

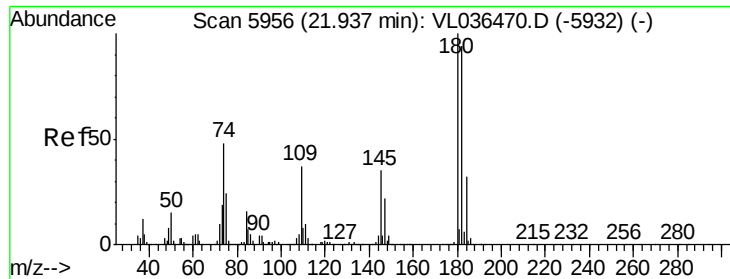
Tot Ion:128	Resp:	315481
Ion Ratio	Lower	Upper
128	100	
127	11.1	10.9 16.3
129	9.8	9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 1.011 ppbv
RT: 25.00 min Scan# 6910
Delta R.T.: 0.02 min
Lab File: VL036471.D
Acq: 25 Mar 2021 2:42

Tgt Ion:142	Resp:	56592
Ion Ratio	Lower	Upper
142	100	
141	85.0	67.7 101.5
115	38.5	33.4 50.2





#81

1,2,4-Trichlorobenzene

Concen: 2.542 ppbv

RT: 21.93

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 2.42

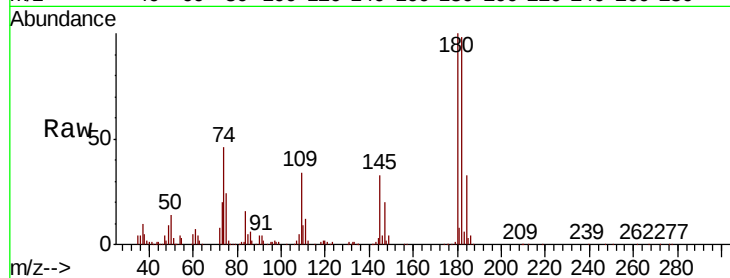
Tot Ion:180 Resp: 390878

Ion Ratio Lower Upper

180 100

182 105.8 83.0 124.4

184 35.7 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

