

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036907.D
 Acq On : 6 May 2021 17:19
 Operator : SY/AP
 Sample : VL0506ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0506ABS01

Quant Time: May 07 08:12:49 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1433050	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.19	114	3553862	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3442685	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2837795	10.27	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2392291	10.600	ppbv 100
3) Chlorodifluoromethane	2.99	51	2794257	10.705	ppbv 99
4) Chloromethane	3.15	50	966757	11.268	ppbv 92
5) Vinyl Chloride	3.26	62	941274	10.877	ppbv 95
6) Bromomethane	3.48	94	539118	11.585	ppbv 97
7) Chloroethane	3.56	64	312367	10.984	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	2298131	11.164	ppbv 96
9) Propene	3.01	41	850416	10.691	ppbv 98
10) Heptane	8.13	43	2286819	11.431	ppbv 96
11) Trichlorofluoromethane	3.96	101	2192538	10.883	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1447722	10.737	ppbv 99
13) Ethanol	3.62	45	76964	7.587	ppbv 98
14) Bromoethene	3.75	108	622630	11.303	ppbv 98
15) Acetone	3.86	43	1242857	9.202	ppbv 100
16) 1,3-Butadiene	3.33	39	916326	10.609	ppbv 97
17) tert-Butyl alcohol	4.30	59	1115350	10.173	ppbv 97
18) 1,1-Dichloroethene	4.29	96	621895	10.613	ppbv 99
19) Isopropyl Alcohol	3.98	45	643102	9.609	ppbv 100
20) Methylene Chloride	4.35	84	517450	8.011	ppbv 94
21) Allyl Chloride	4.42	41	1039024	10.352	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	613046	10.425	ppbv 98
23) Vinyl Acetate	5.08	43	2291083	12.470	ppbv # 98
24) 1,1-Dichloroethane	5.02	63	1709384	13.106	ppbv 98
25) Ethyl Acetate	5.69	43	3483075	10.557	ppbv 99
26) Hexane	5.69	57	1629039	10.553	ppbv 96
27) Carbon Disulfide	4.56	76	1604649	11.968	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1805858	13.199	ppbv 99
29) Chloroform	5.76	83	2699398	11.217	ppbv 98
30) Cyclohexane	7.14	84	1379264	11.267	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1566963	11.309	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	2649960	10.829	ppbv 99
34) 2-Butanone	5.25	43	1668756	10.719	ppbv 99
35) Carbon Tetrachloride	7.02	117	2800600	11.614	ppbv 98
36) Benzene	6.90	78	3425265	11.439	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1970656	11.622	ppbv 99
38) Trichloroethene	7.84	130	1260969	11.828	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1361312	11.348	ppbv 92
40) 1,4-Dioxane	7.85	88	288080	9.945	ppbv # 1
41) Tetrahydrofuran	6.06	42	782240	11.487	ppbv 100
42) Bromodichloromethane	7.80	83	2831438	12.018	ppbv 98
43) Methyl Methacrylate	8.02	69	1222424	12.511	ppbv 97

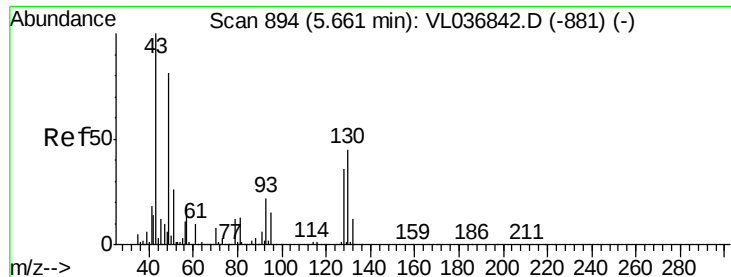
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5882182	11.463	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1351743	12.834	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1688577	12.504	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	1425499	11.478	ppbv	98
48) Dibromochloromethane	10.31	129	2283784	12.410	ppbv	100
49) Bromoform	13.05	173	1909952	13.000	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2604171	12.238	ppbv	100
51) 2-Hexanone	10.15	43	1298843	12.238	ppbv #	100
52) Tetrachloroethene	11.23	164	1141065	11.191	ppbv	97
53) Toluene	9.82	91	3807807	12.153	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1984506	11.318	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1591021	11.024	ppbv #	63
57) Chlorobenzene	12.15	112	2858744	10.661	ppbv	96
58) Ethyl Benzene	12.72	91	5165205	11.829	ppbv	98
59) m/p-Xylene	13.00	91	4637713	11.883	ppbv #	38
60) o-Xylene	13.70	91	4221981	11.188	ppbv	100
61) Styrene	13.53	104	2347854	13.249	ppbv	99
62) Isopropylbenzene	14.67	105	5647125	10.999	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3146114	10.400	ppbv	100
64) n-propylbenzene	15.57	120	1477766	11.549	ppbv	98
65) tert-Butylbenzene	16.75	119	4963420	10.934	ppbv	98
66) Benzyl Chloride	16.99	91	485031	10.928	ppbv	99
67) sec-Butylbenzene	17.30	105	7031226	11.154	ppbv	100
69) p-Isopropyltoluene	17.66	119	5762194	11.403	ppbv	99
70) n-Butylbenzene	18.56	91	5928220	11.639	ppbv	100
71) 2-Chlorotoluene	15.46	91	4382185	11.525	ppbv	99
72) 4-Ethyltoluene	15.84	105	4833299	11.933	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4490806	11.433	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	4667286	11.186	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2659291	10.782	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2617761	10.845	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2551444	10.591	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1819815	8.890	ppbv	99
79) Naphthalene	22.20	128	2766667	11.840	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	201390	7.815	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	1642623	10.867	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0506ABS01

Acq: 6 May 2021 17:19

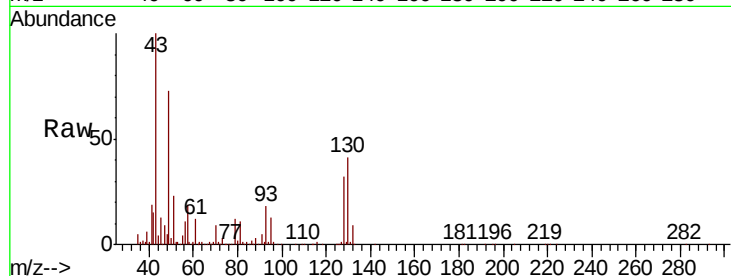
Tot Ion: 49 Resp: 1433050

Ion Ratio Lower Upper

49 100

128 48.5 24.4 73.2

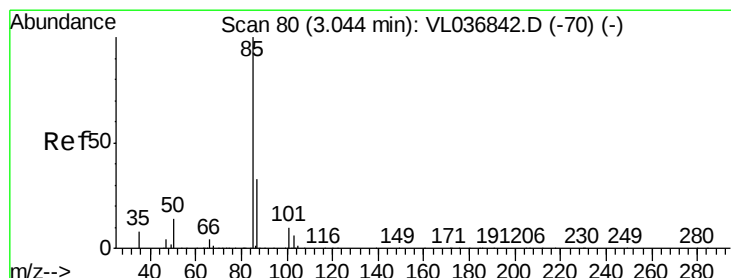
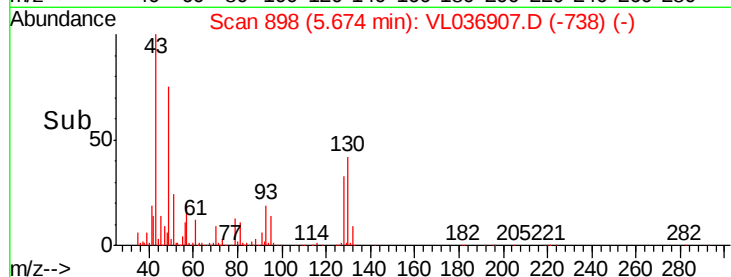
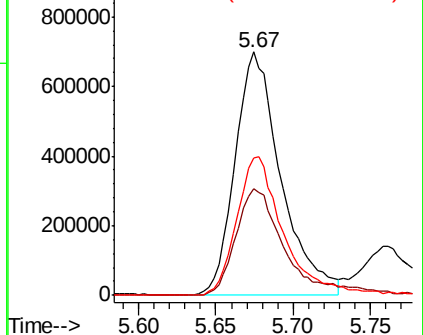
130 59.8 30.3 90.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 10.600 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036907.D

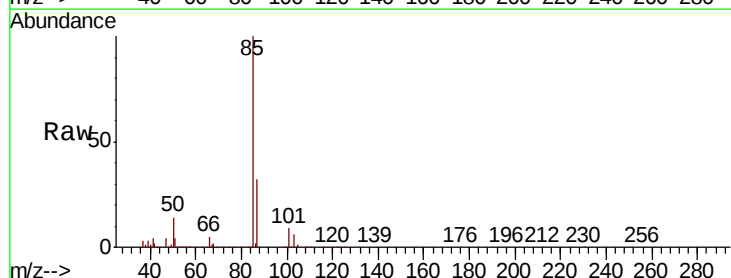
Acq: 6 May 2021 17:19

Tgt Ion: 85 Resp: 2392291

Ion Ratio Lower Upper

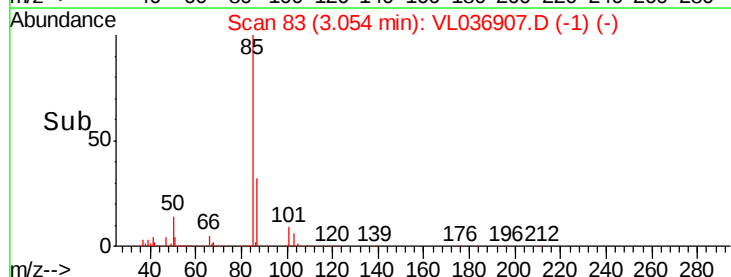
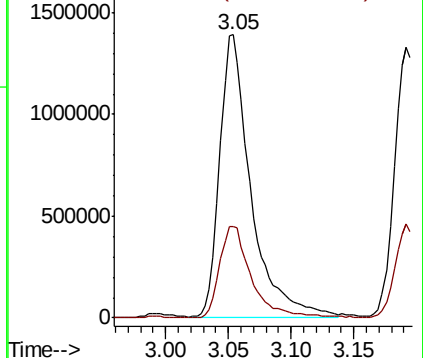
85 100

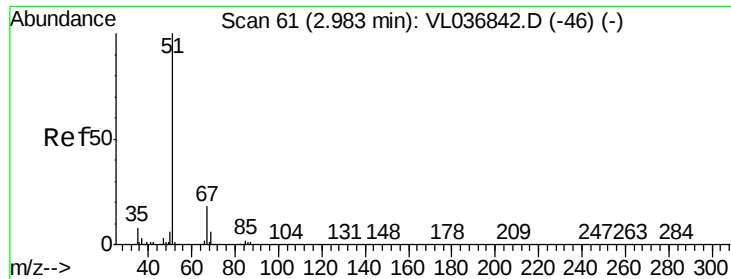
87 32.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.705 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

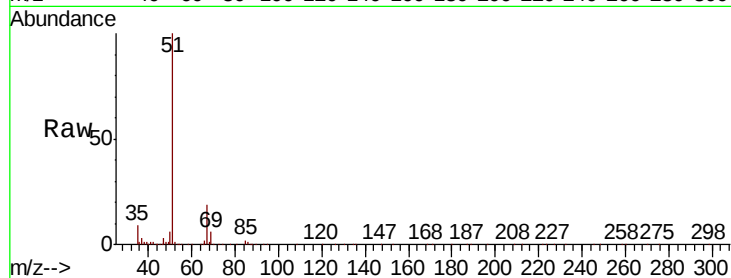
Acq: 6 May 2021 17:19 VL0506ABS01

Tot Ion: 51 Resp: 2794257

Ion Ratio Lower Upper

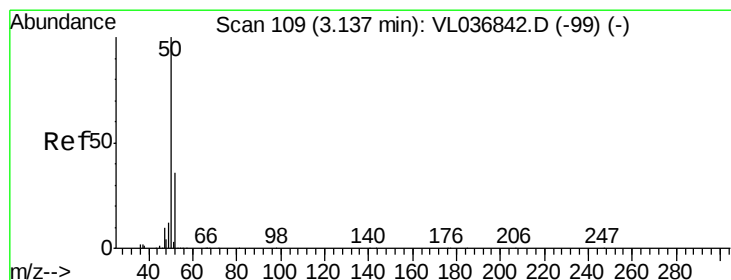
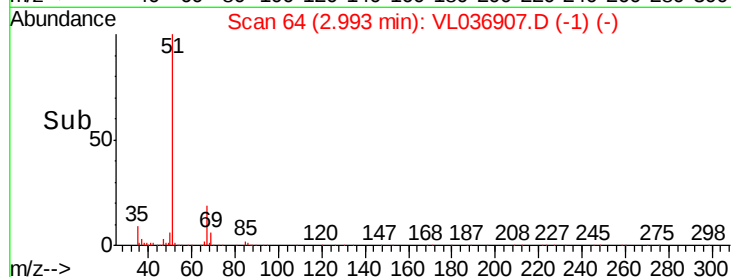
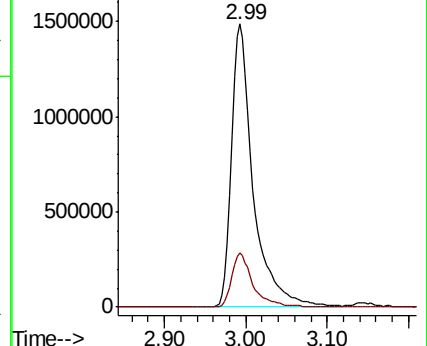
51 100

67 19.0 14.8 22.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.268 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL036907.D

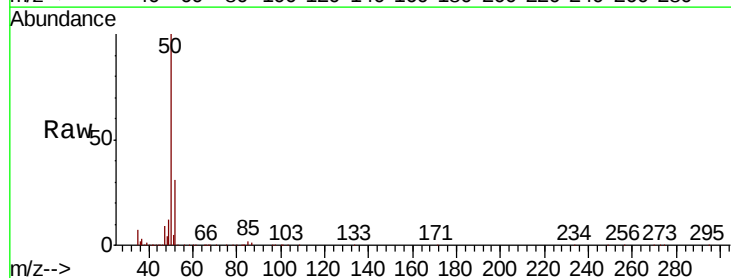
Acq: 6 May 2021 17:19

Tgt Ion: 50 Resp: 966757

Ion Ratio Lower Upper

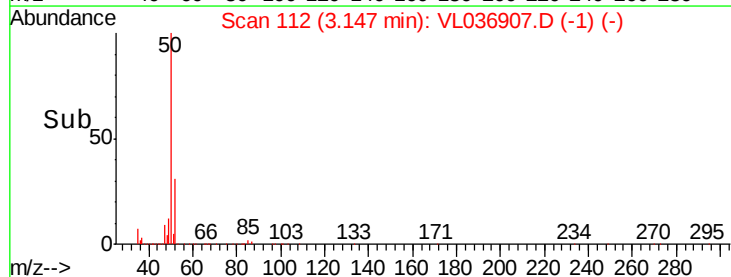
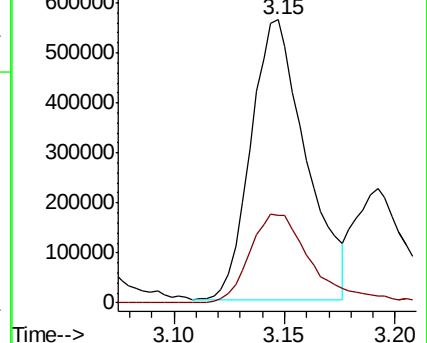
50 100

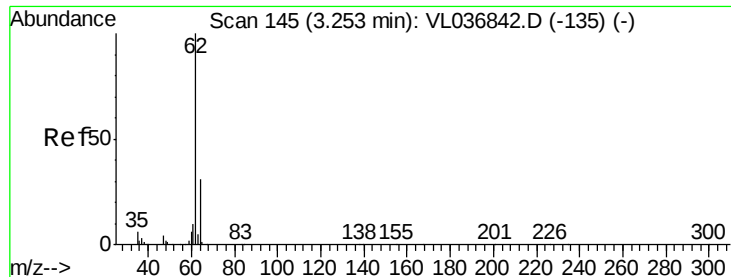
52 31.1 28.5 42.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.877 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

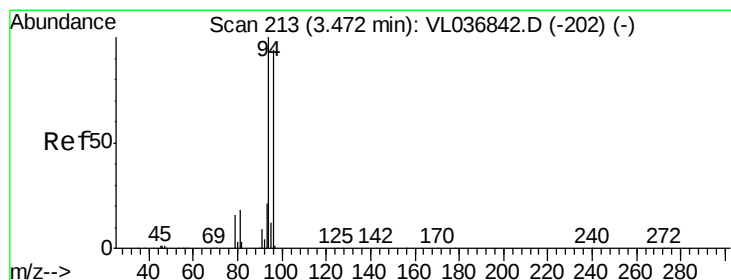
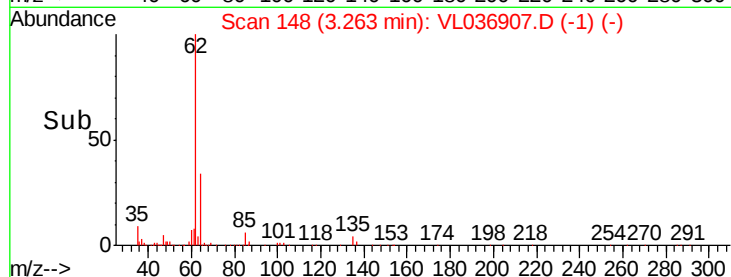
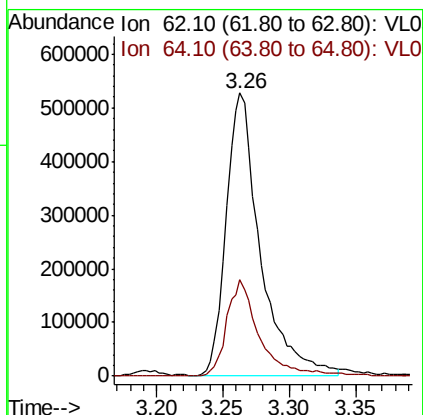
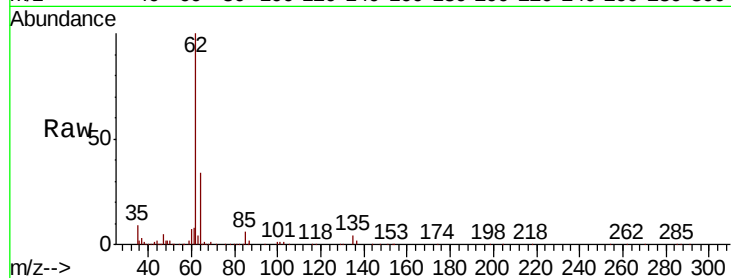
Acq: 6 May 2021 17:19 VL0506ABS01

Tot Ion: 62 Resp: 941274

Ion Ratio Lower Upper

62 100

64 34.1 25.0 37.4



#6

Bromomethane

Concen: 11.585 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL036907.D

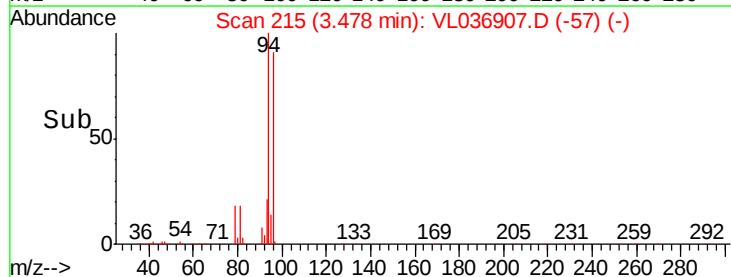
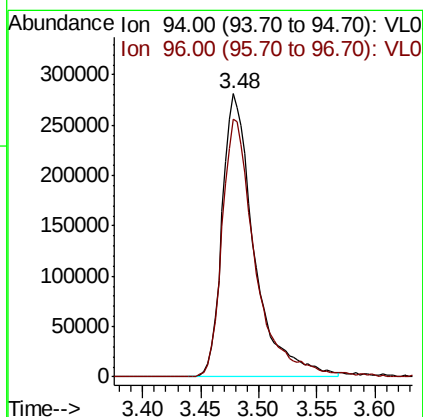
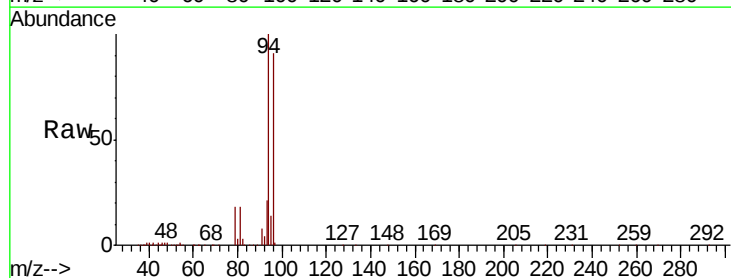
Acq: 6 May 2021 17:19

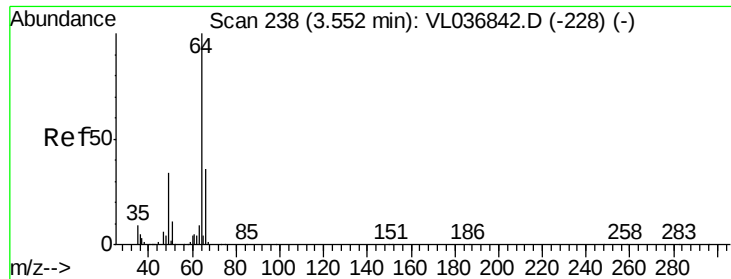
Tgt Ion: 94 Resp: 539118

Ion Ratio Lower Upper

94 100

96 90.9 75.4 113.0





#7

Chloroethane

Concen: 10.984 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

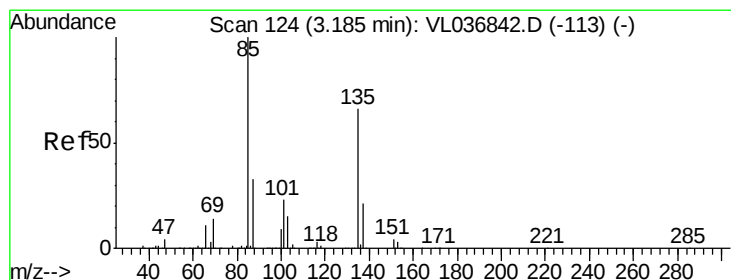
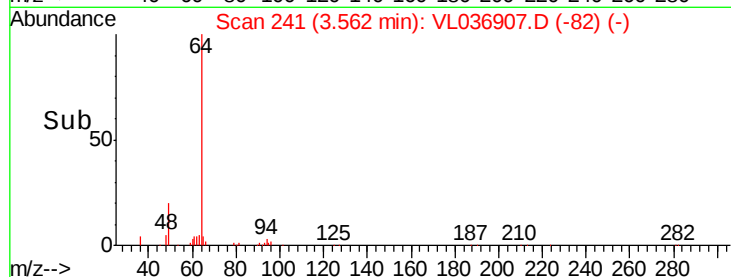
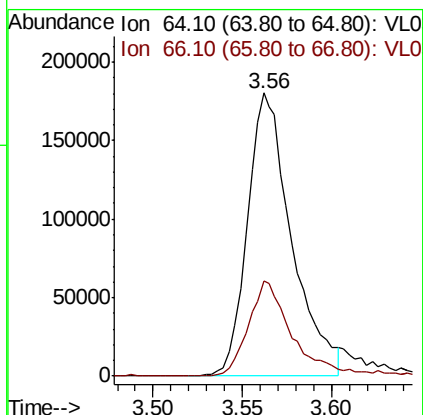
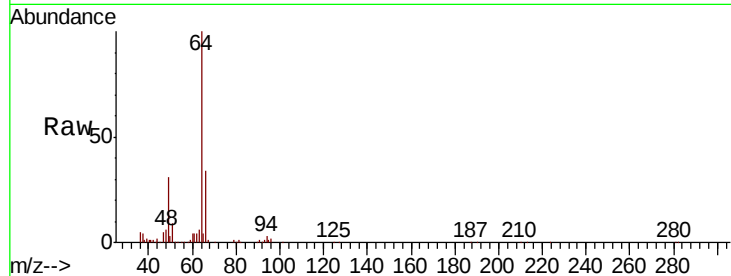
Acq: 6 May 2021 17:19 VL0506ABS01

Tot Ion: 64 Resp: 312367

Ion Ratio Lower Upper

64 100

66 33.5 29.0 43.6



#8

Dichlorotetrafluoroethane

Concen: 11.164 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL036907.D

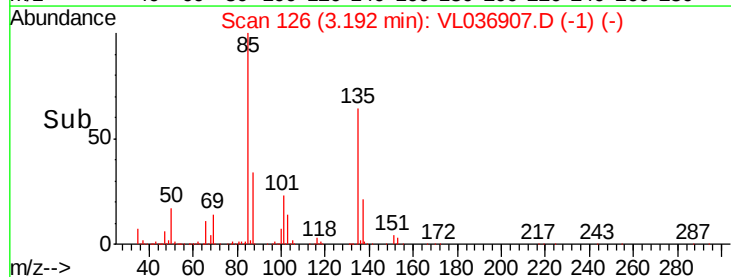
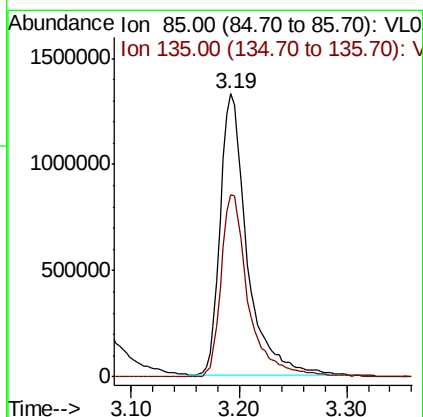
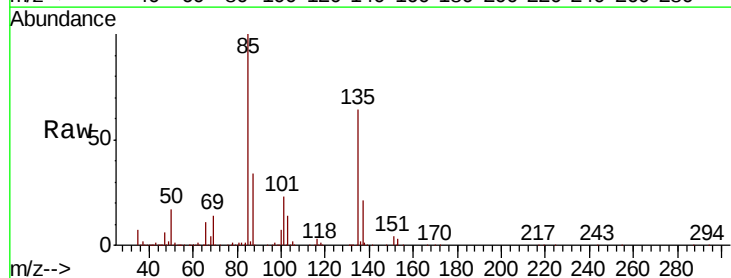
Acq: 6 May 2021 17:19

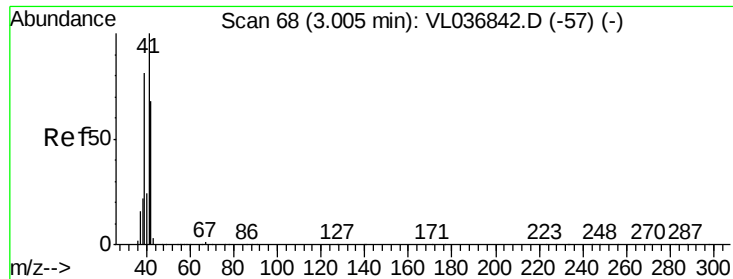
Tgt Ion: 85 Resp: 2298131

Ion Ratio Lower Upper

85 100

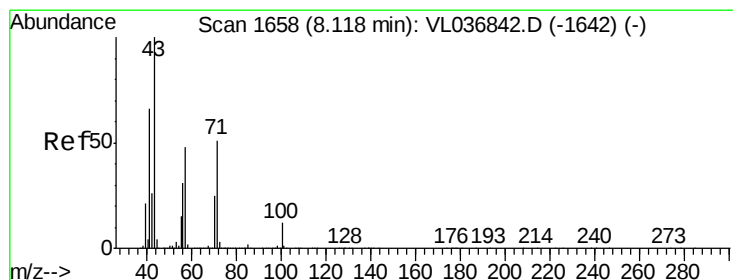
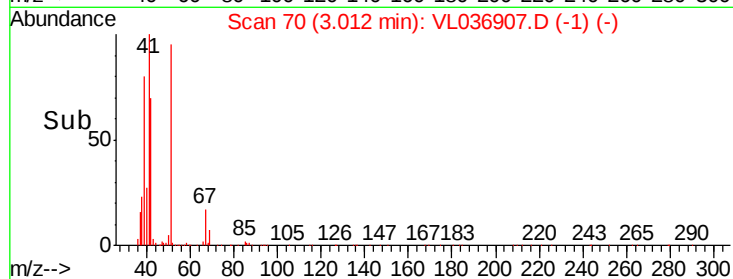
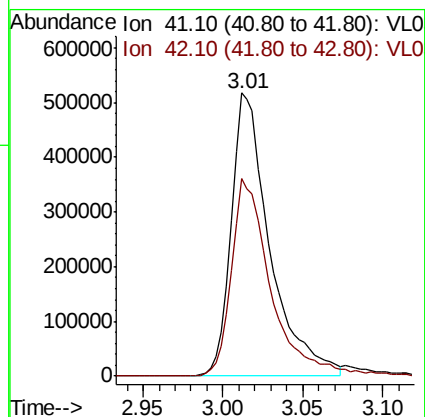
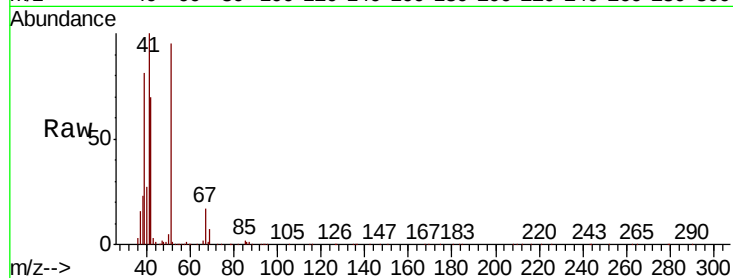
135 66.6 56.2 84.4





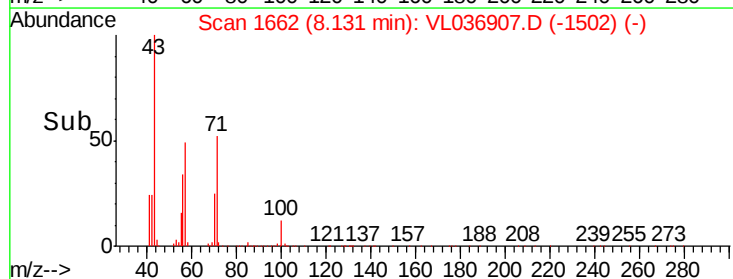
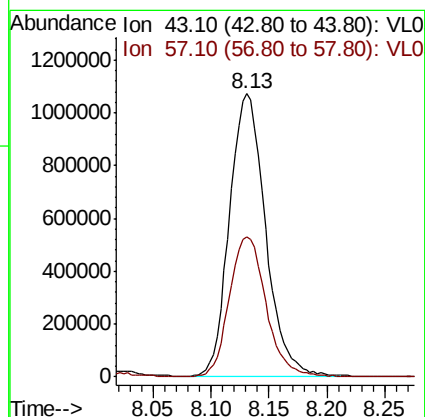
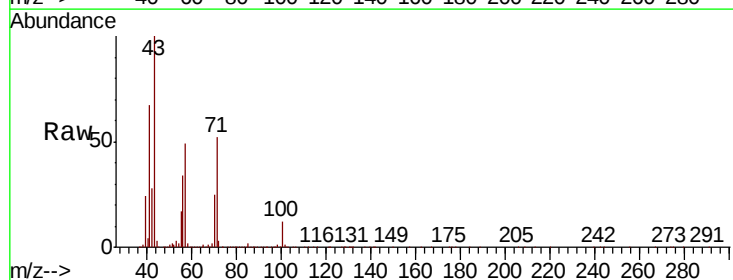
#9
 Propene
 Concen: 10.691 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0506ABS01
 Acq: 6 May 2021 17:19

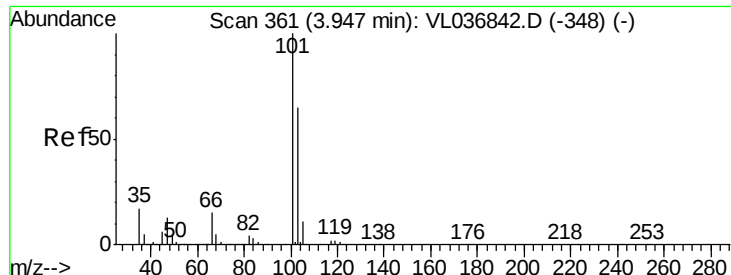
Tot Ion: 41 Resp: 850416
 Ion Ratio Lower Upper
 41 100
 42 71.9 56.0 84.0



#10
 Heptane
 Concen: 11.431 ppbv
 RT: 8.13 min Scan# 1662
 Delta R.T. 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

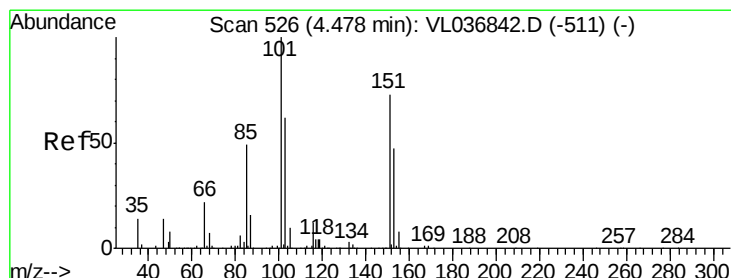
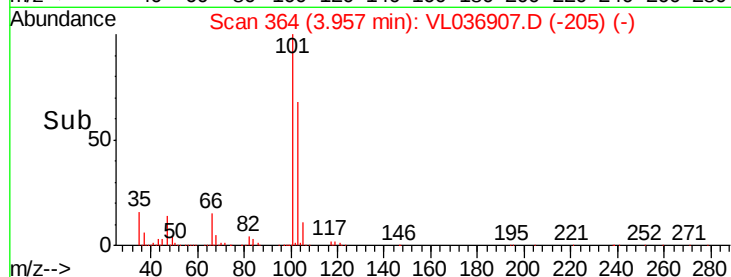
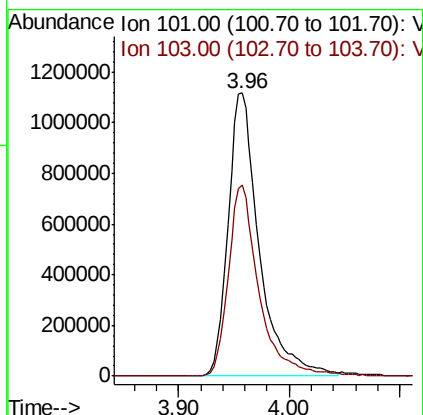
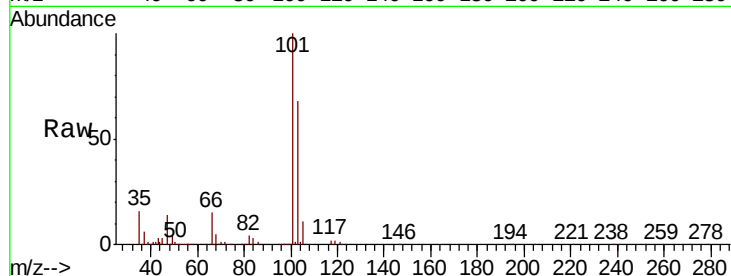
Tgt Ion: 43 Resp: 2286819
 Ion Ratio Lower Upper
 43 100
 57 50.9 38.8 58.2





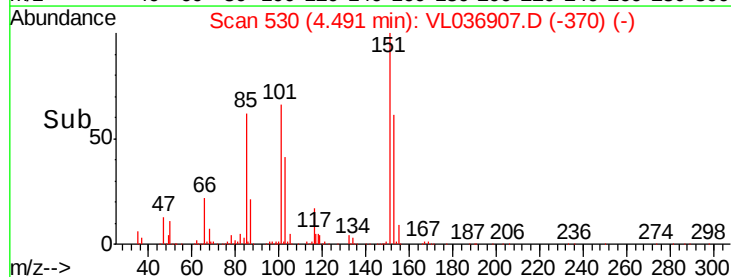
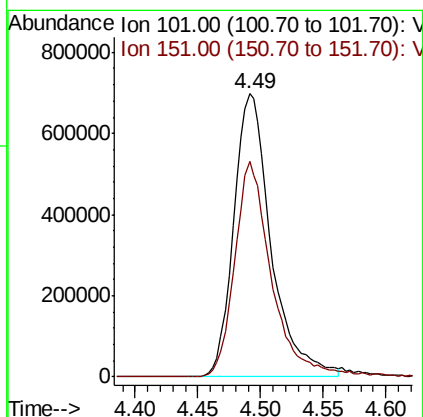
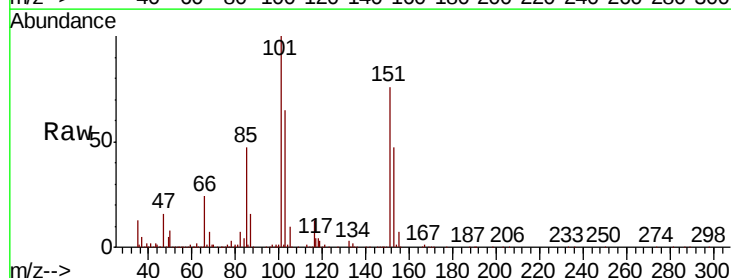
#11
 Trichlorofluoromethane
 Concen: 10.883 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0506ABS01
 Acq: 6 May 2021 17:19

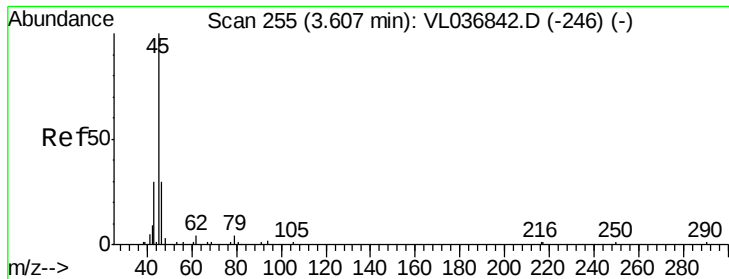
Tot Ion:101 Resp: 2192538
 Ion Ratio Lower Upper
 101 100
 103 67.7 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.737 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T.: 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

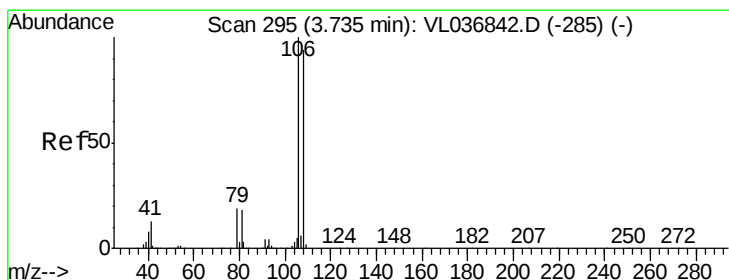
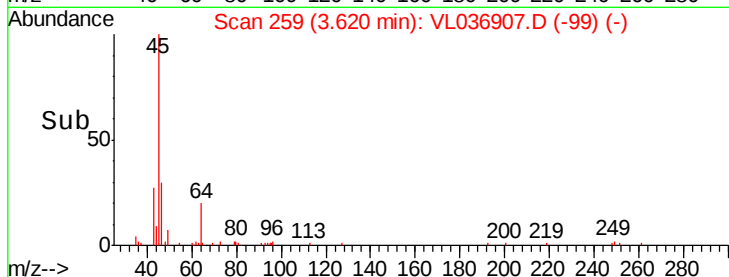
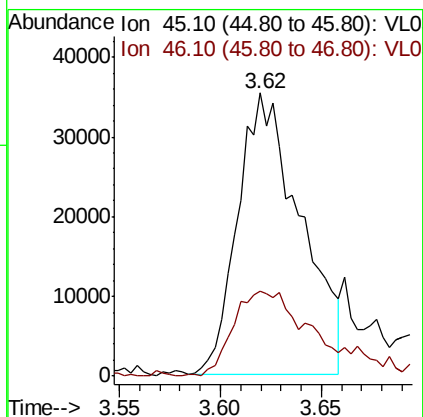
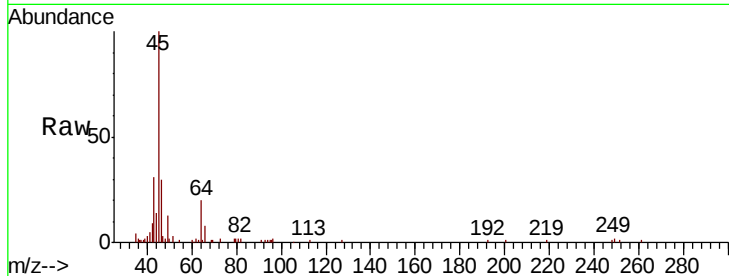
Tgt Ion:101 Resp: 1447722
 Ion Ratio Lower Upper
 101 100
 151 75.6 61.1 91.7





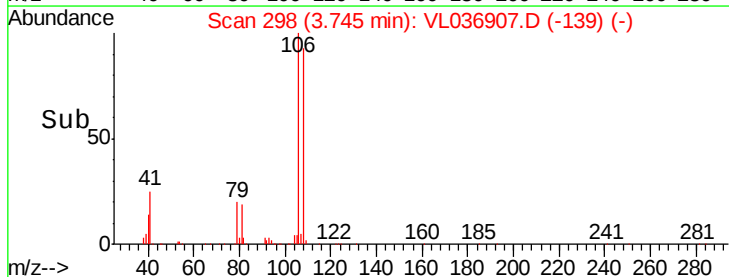
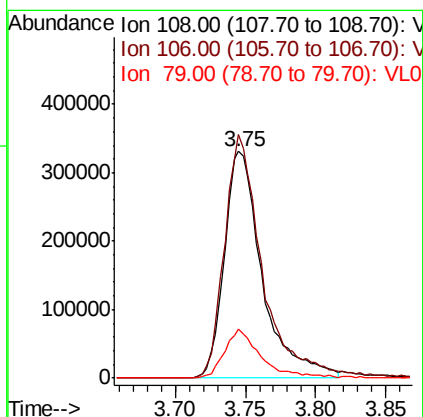
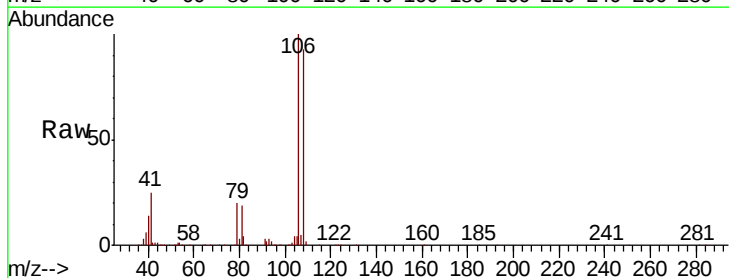
#13
 Ethanol
 Concen: 7.587 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0506ABS01
 Acq: 6 May 2021 17:19

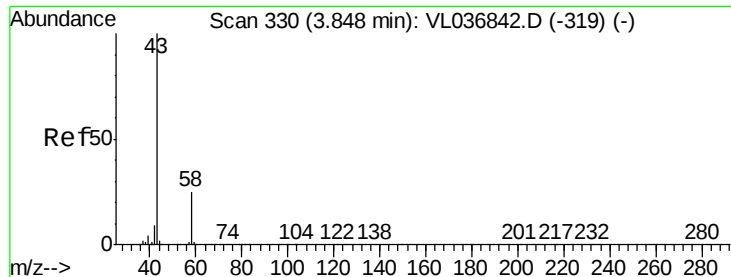
Tot Ion: 45 Resp: 76964
 Ion Ratio Lower Upper
 45 100
 46 43.3 16.8 67.4



#14
 Bromoethene
 Concen: 11.303 ppbv
 RT: 3.75 min Scan# 298
 Delta R.T. 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion: 108 Resp: 622630
 Ion Ratio Lower Upper
 108 100
 106 108.7 88.5 132.7
 79 21.3 17.9 26.9





#15

Acetone

Concen: 9.202 ppbv

RT: 3.86 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0506ABS01

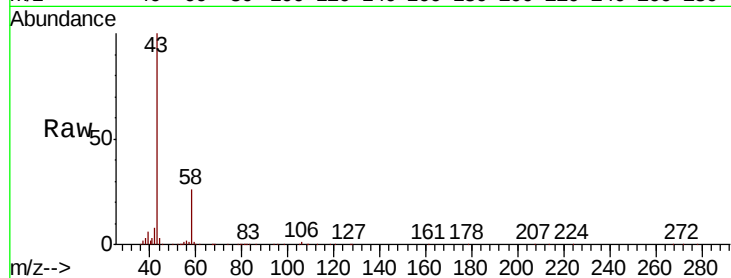
Acq: 6 May 2021 17:19

Tot Ion: 43 Resp: 1242857

Ion Ratio Lower Upper

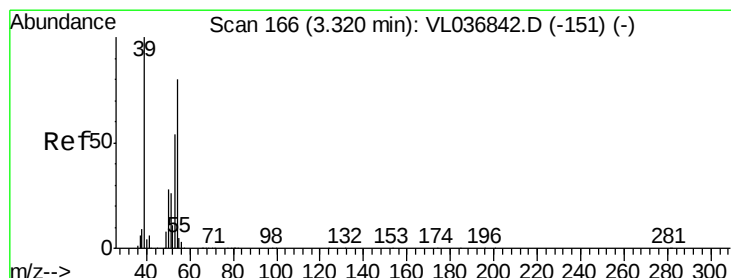
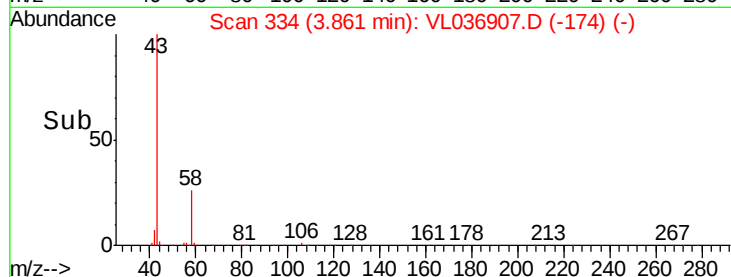
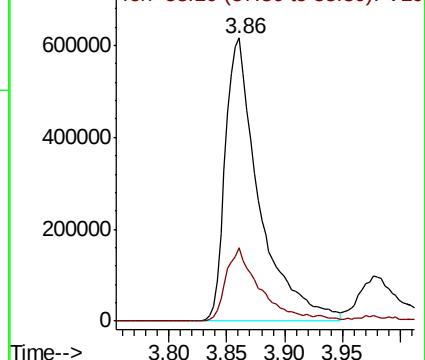
43 100

58 26.9 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.609 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.01 min

Lab File: VL036907.D

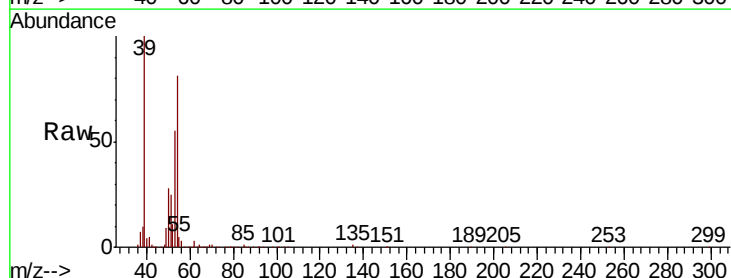
Acq: 6 May 2021 17:19

Tgt Ion: 39 Resp: 916326

Ion Ratio Lower Upper

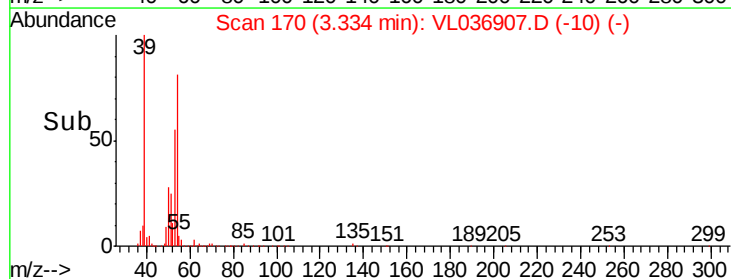
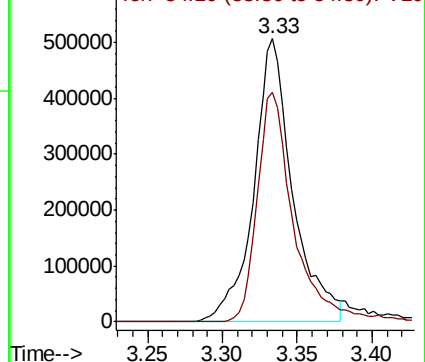
39 100

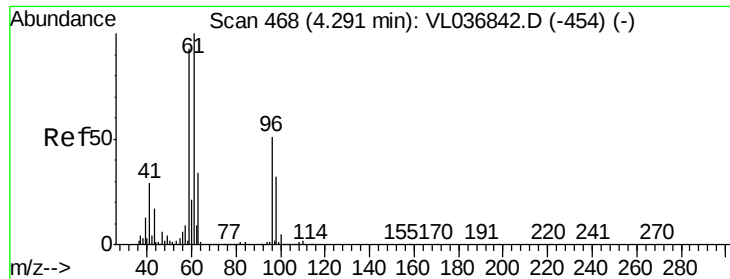
54 77.2 59.6 89.4



Abundance Ion 39.10 (38.80 to 39.80): VL0

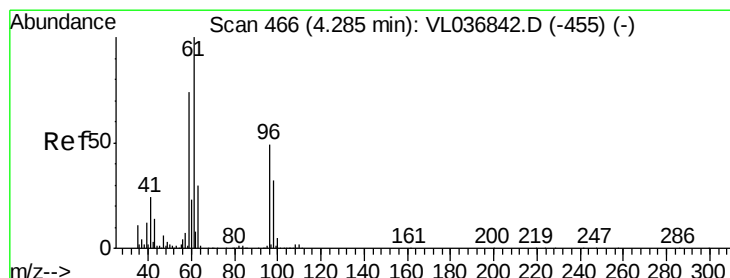
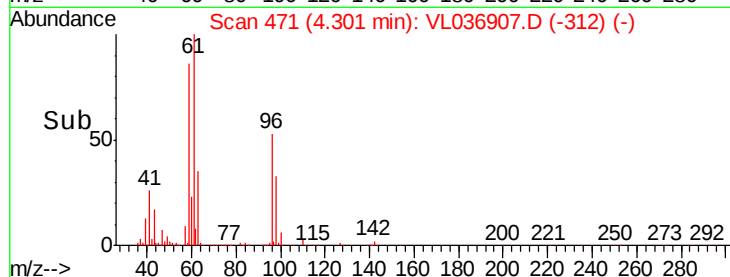
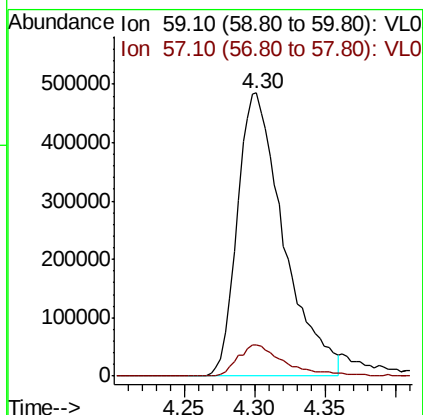
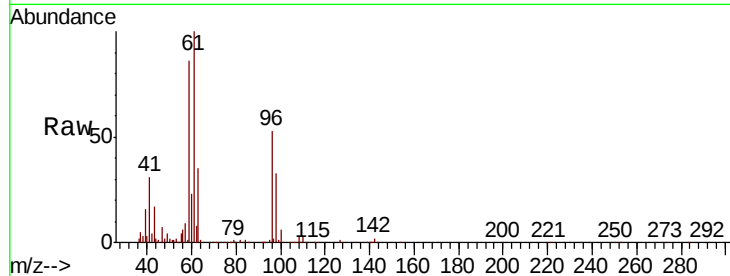
Ion 54.10 (53.80 to 54.80): VL0





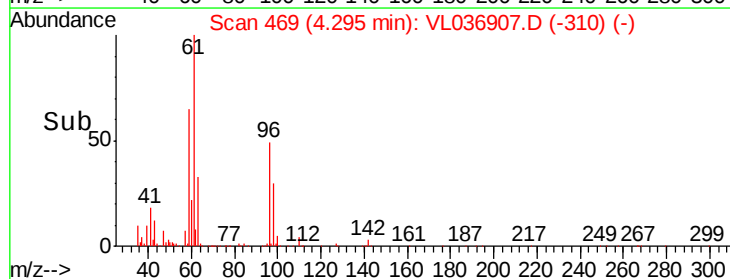
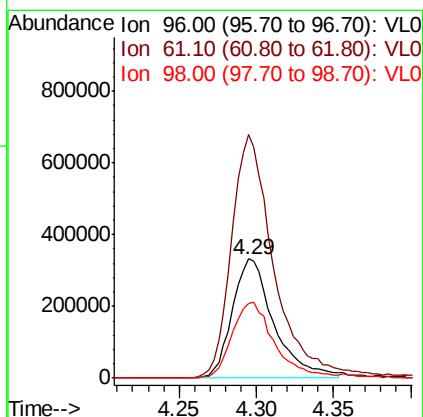
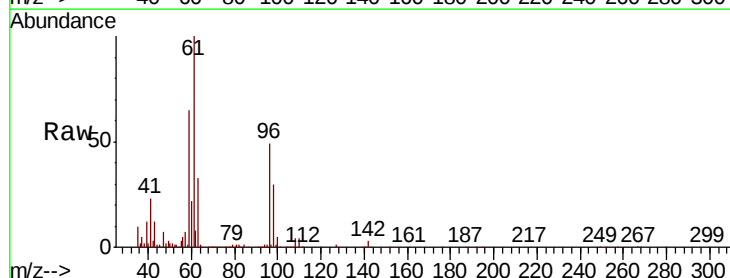
#17
 tert-Butyl alcohol
 Concen: 10.173 ppbv
 RT: 4.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0506ABS01
 Acq: 6 May 2021 17:19

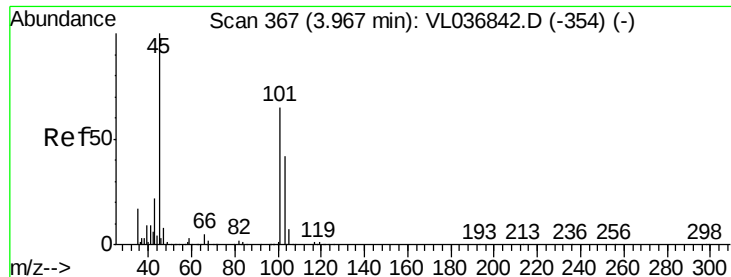
Tot Ion: 59 Resp: 1115350
 Ion Ratio Lower Upper
 59 100
 57 11.4 8.3 12.5



#18
 1,1-Dichloroethene
 Concen: 10.613 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T.: 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

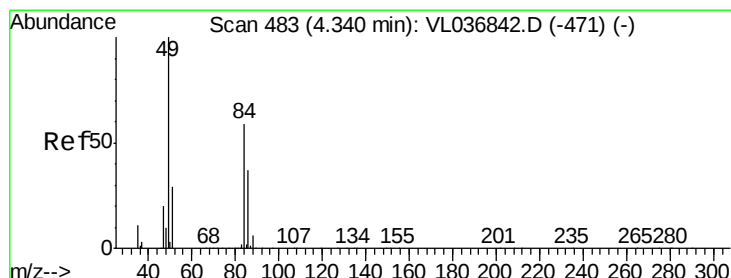
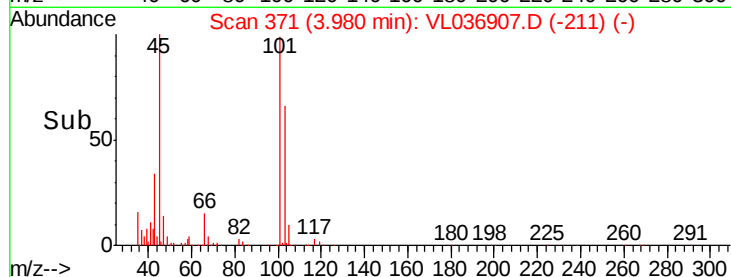
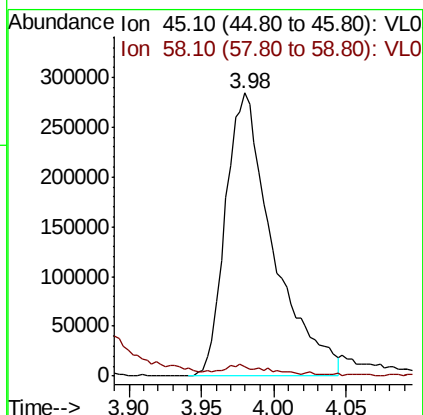
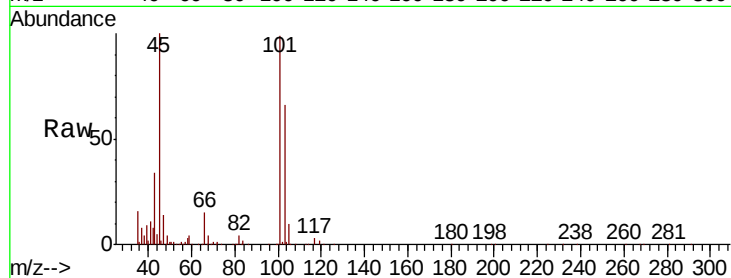
Tgt Ion: 96 Resp: 621895
 Ion Ratio Lower Upper
 96 100
 61 203.9 162.2 243.2
 98 62.0 51.8 77.6





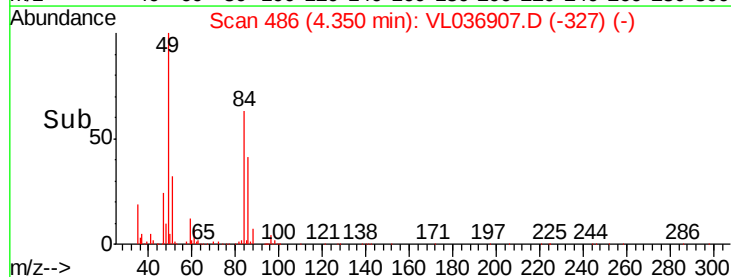
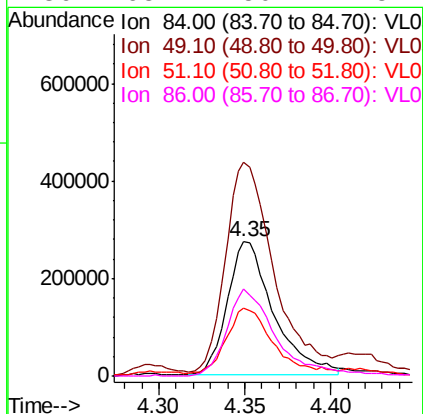
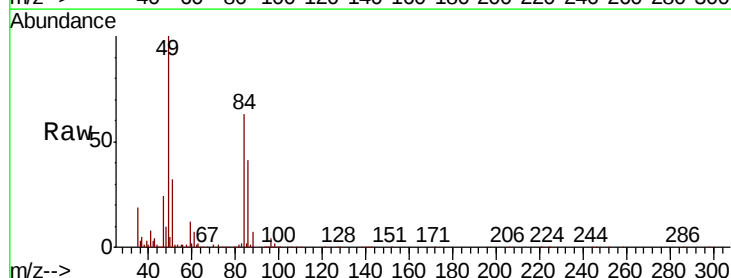
#19
Isopropyl Alcohol
Concen: 9.609 ppbv
RT: 3.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0506ABS01
Acq: 6 May 2021 17:19

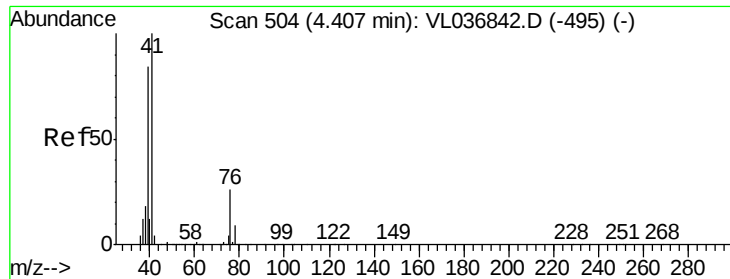
Tot Ion: 45 Resp: 643102
Ion Ratio Lower Upper
45 100
58 3.7 2.8 4.2



#20
Methylene Chloride
Concen: 8.011 ppbv
RT: 4.35 min Scan# 486
Delta R.T.: 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

Tgt Ion: 84 Resp: 517450
Ion Ratio Lower Upper
84 100
49 157.7 135.4 203.0
51 49.2 39.3 58.9
86 65.7 50.2 75.2

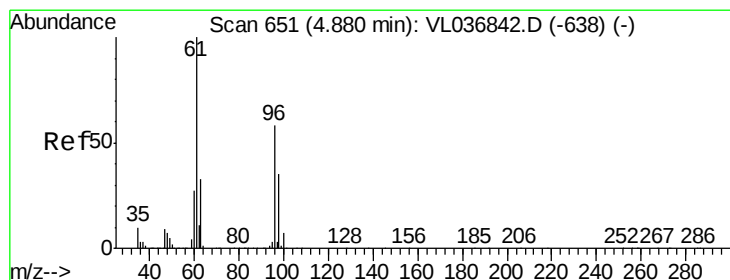
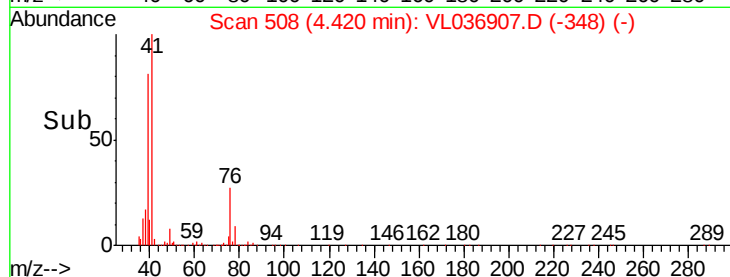
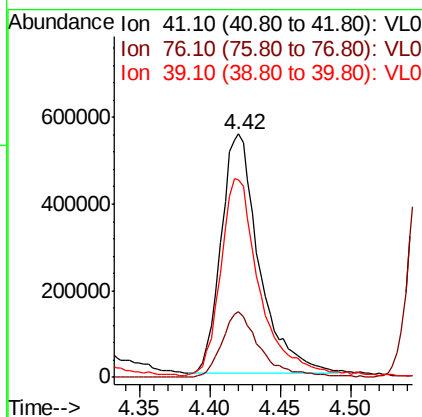
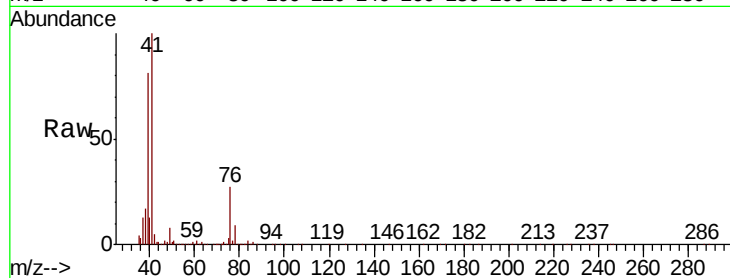




#21
 Allvl Chloride
 Concen: 10.352 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0506ABS01
 Acq: 6 May 2021 17:19

Tot Ion: 41 Resp: 1039024

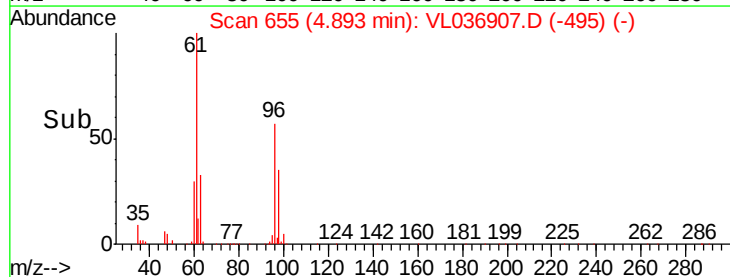
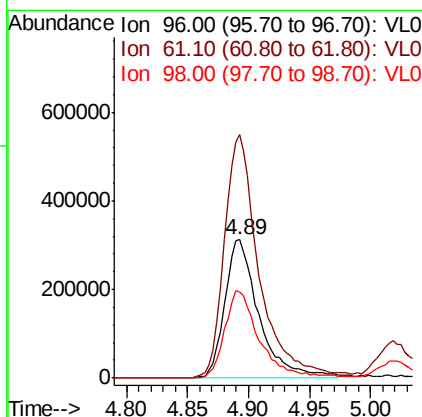
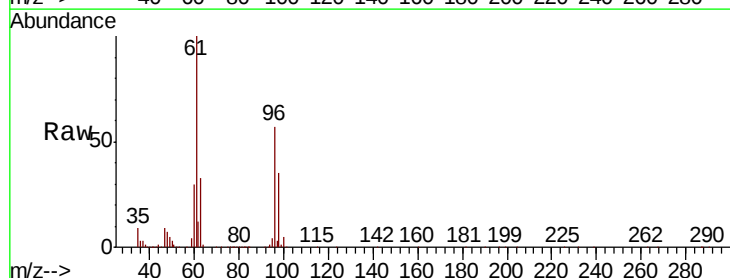
Ion	Ratio	Lower	Upper
41	100		
76	27.9	22.4	33.6
39	84.8	68.4	102.6

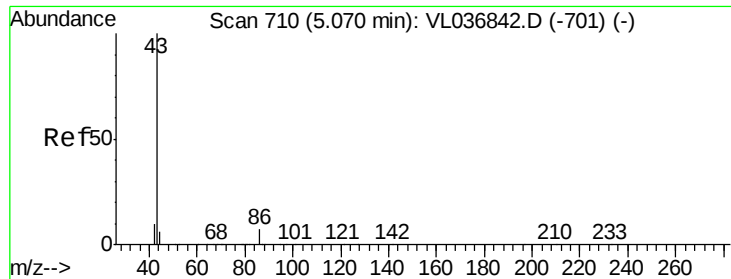


#22
 trans-1,2-Dichloroethene
 Concen: 10.425 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion: 96 Resp: 613046

Ion	Ratio	Lower	Upper
96	100		
61	176.1	138.6	207.8
98	62.2	48.1	72.1





#23

Vinyl Acetate

Concen: 12.470 ppbv

RT: 5.08 Instrument: MSVOA_1

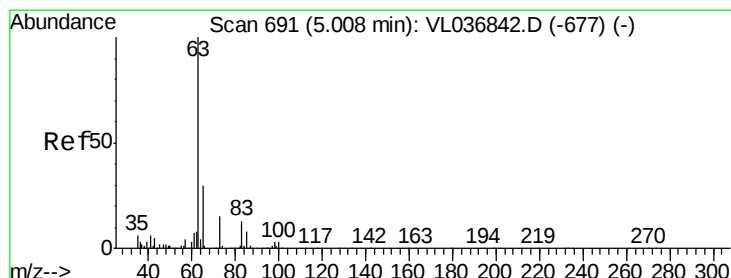
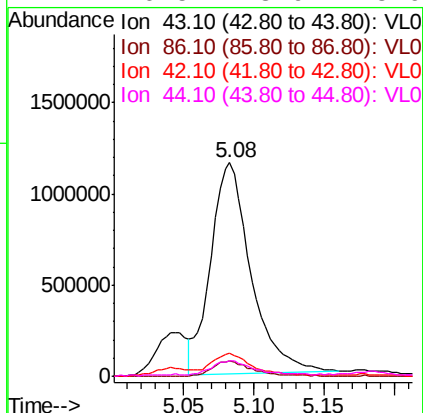
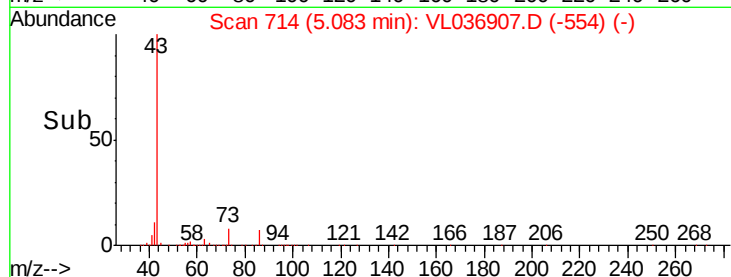
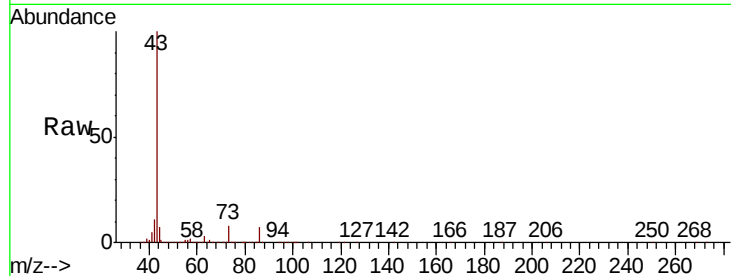
Delta R.T. ClientSampleId:

Lab File: VL0506ABS01

Acq: 6 May 2021 17:19

Tot Ion: 43 Resp: 2291083

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.3	7.9
42	10.4	8.7	13.1
44	6.5	3.9	5.9#



#24

1,1-Dichloroethane

Concen: 13.106 ppbv

RT: 5.02 min Scan# 694

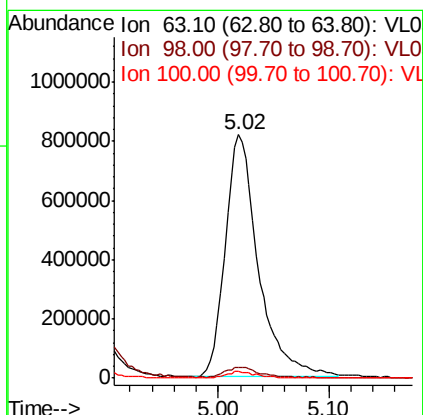
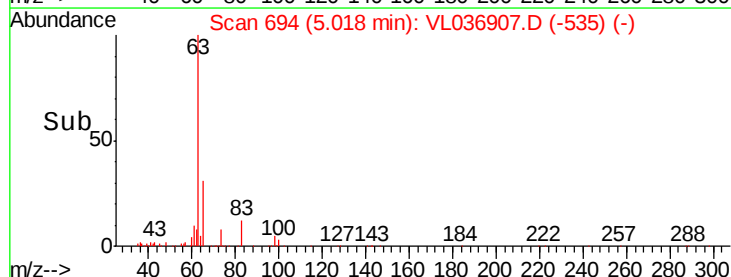
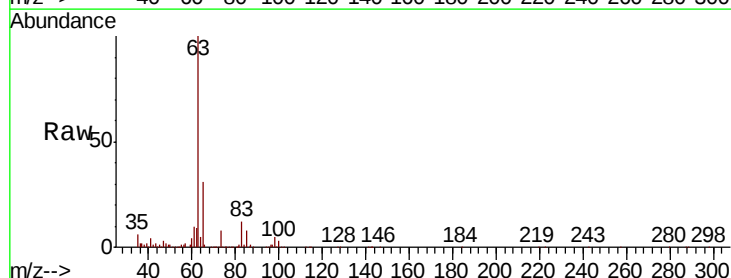
Delta R.T. 0.01 min

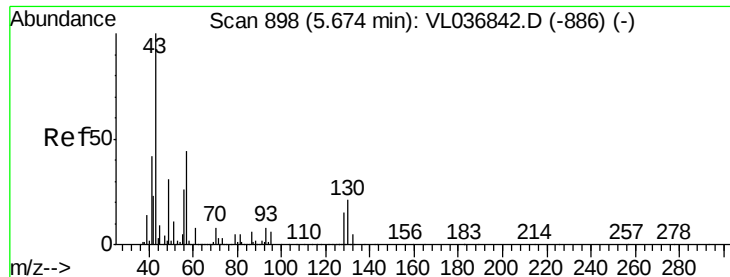
Lab File: VL036907.D

Acq: 6 May 2021 17:19

Tgt Ion: 63 Resp: 1709384

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.7	5.1
100	2.7	1.3	3.8

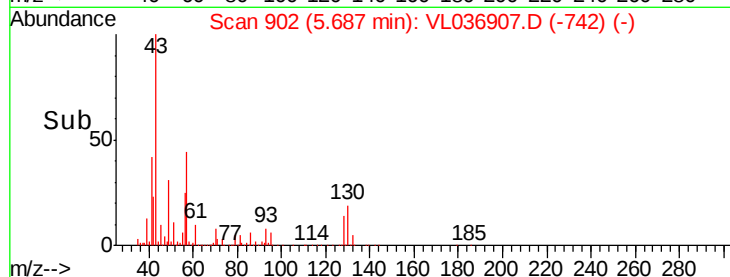
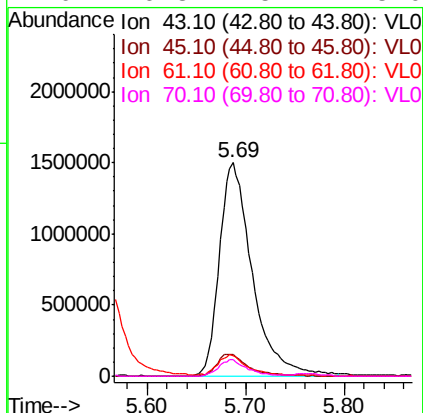
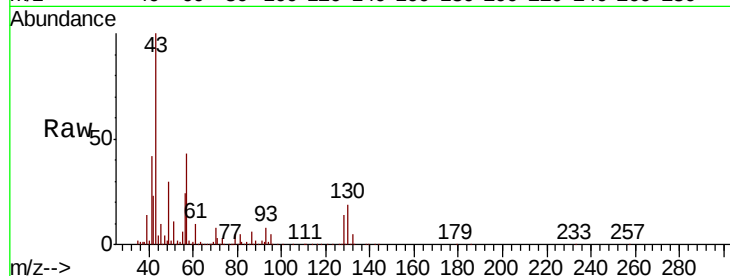




#25
Ethyl Acetate
Concen: 10.557 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0506ABS01
Acq: 6 May 2021 17:19

Tot Ion: 43 Resp: 3483075

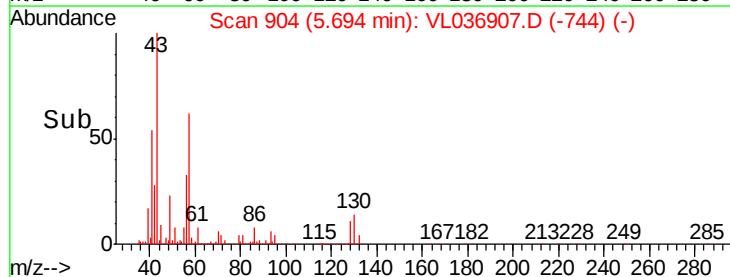
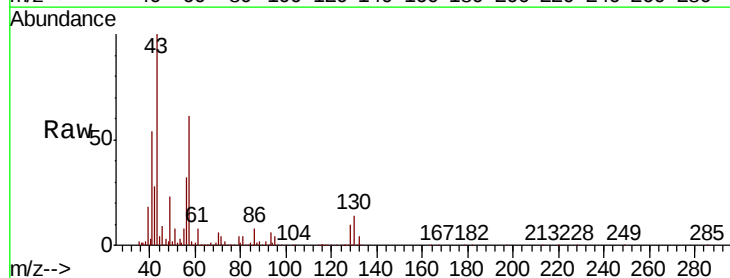
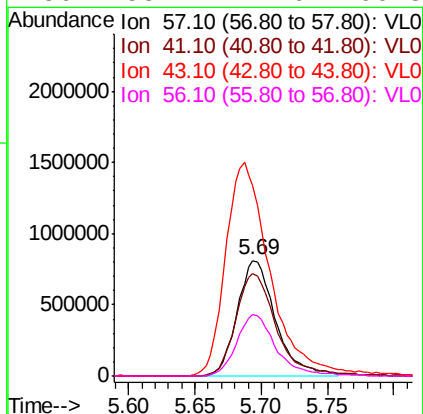
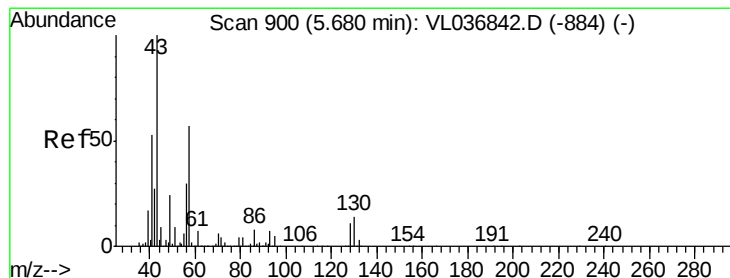
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.8
61	9.9	7.4	11.0
70	6.8	5.4	8.0

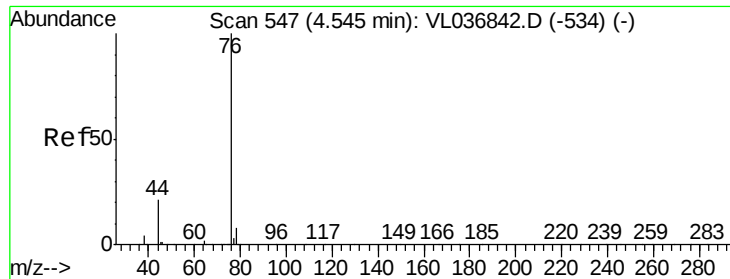


#26
Hexane
Concen: 10.553 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

Tgt Ion: 57 Resp: 1629039

Ion	Ratio	Lower	Upper
57	100		
41	94.8	77.7	116.5
43	215.9	180.5	270.7
56	55.4	44.6	66.8





#27

Carbon Disulfide

Concen: 11.968 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 May 2021 17:19 VL0506ABS01

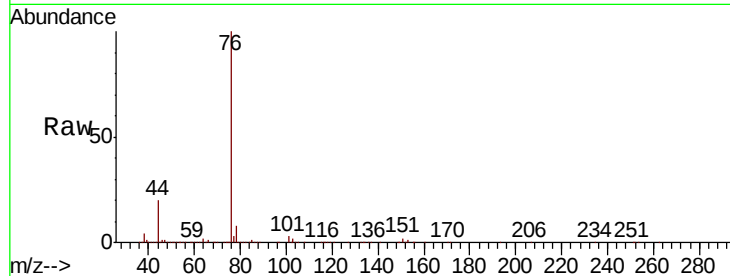
Tot Ion: 76 Resp: 1604649

Ion Ratio Lower Upper

76 100

44 20.8 16.9 25.3

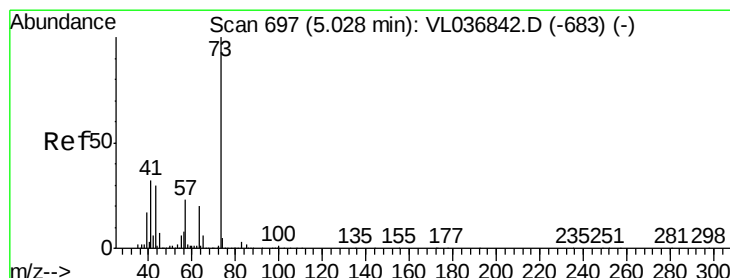
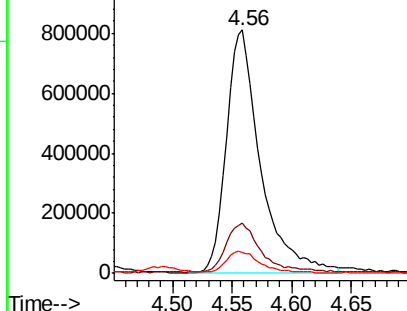
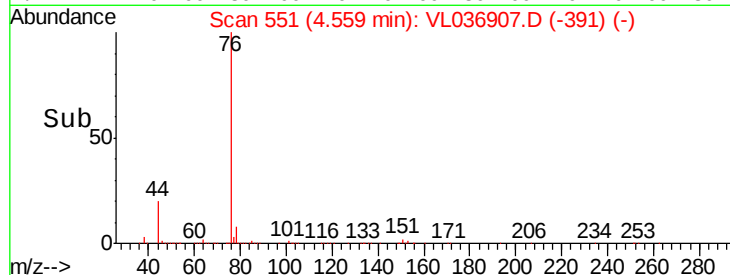
78 10.1 7.9 11.9



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 13.199 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.02 min

Lab File: VL036907.D

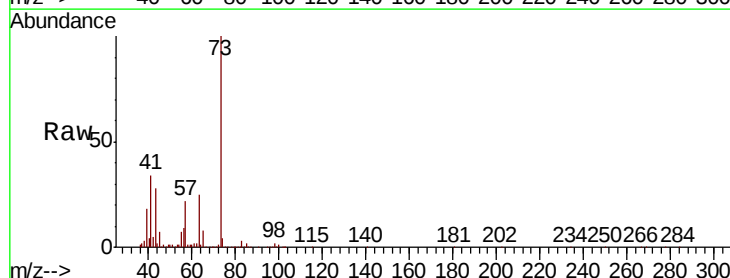
Acq: 6 May 2021 17:19

Tgt Ion: 73 Resp: 1805858

Ion Ratio Lower Upper

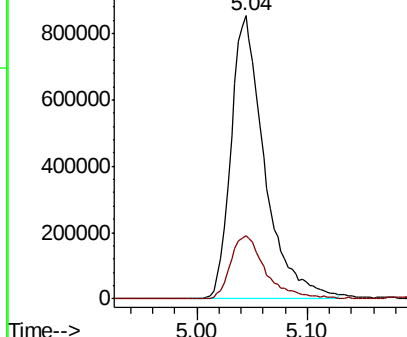
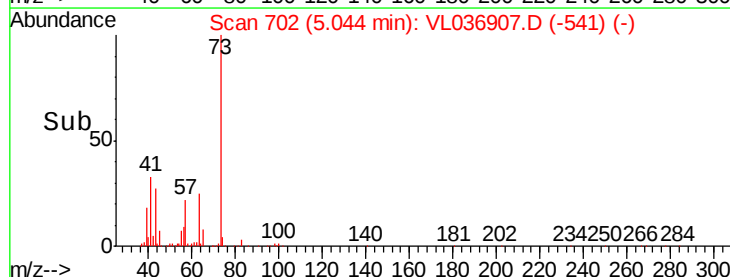
73 100

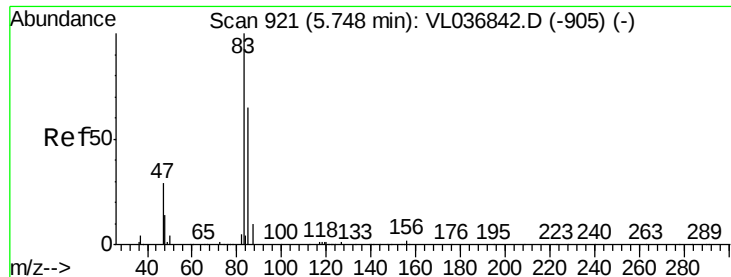
57 23.5 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 11.217 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

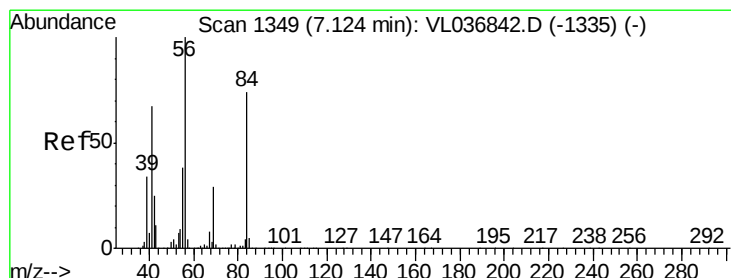
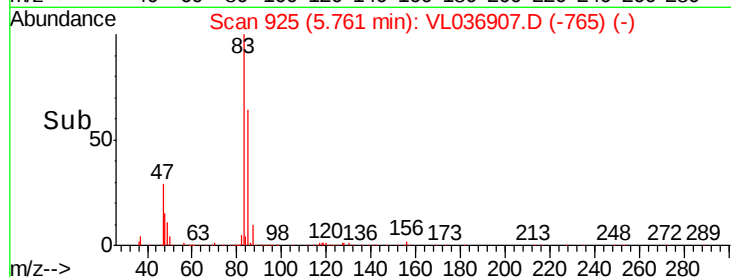
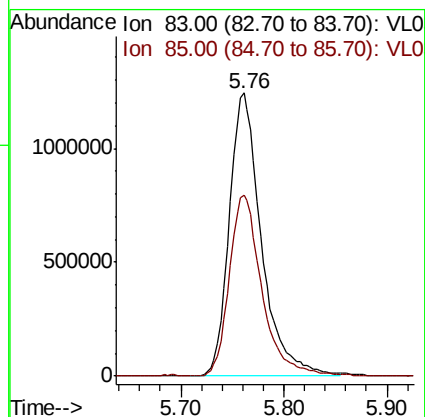
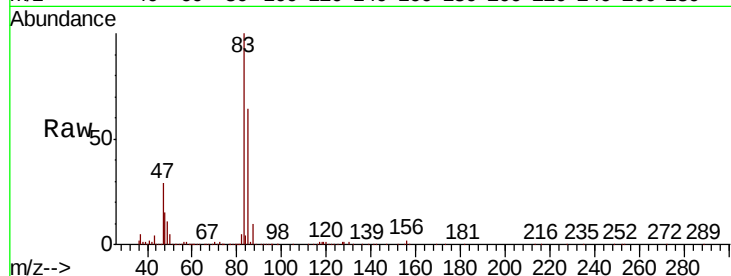
Acq: 6 May 2021 17:19 VL0506ABS01

Tot Ion: 83 Resp: 2699398

Ion Ratio Lower Upper

83 100

85 63.8 52.2 78.4



#30

Cyclohexane

Concen: 11.267 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. 0.01 min

Lab File: VL036907.D

Acq: 6 May 2021 17:19

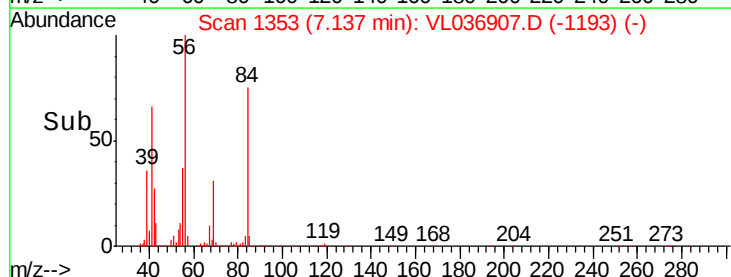
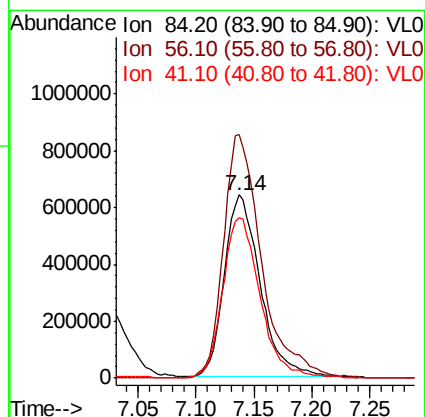
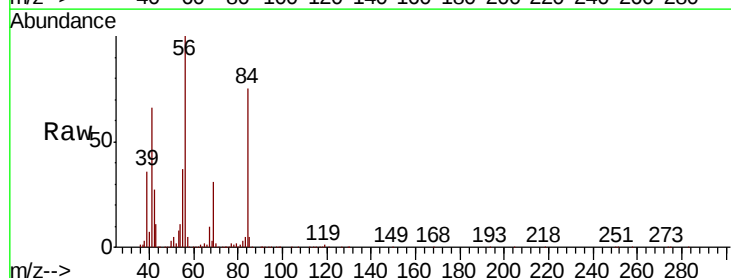
Tgt Ion: 84 Resp: 1379264

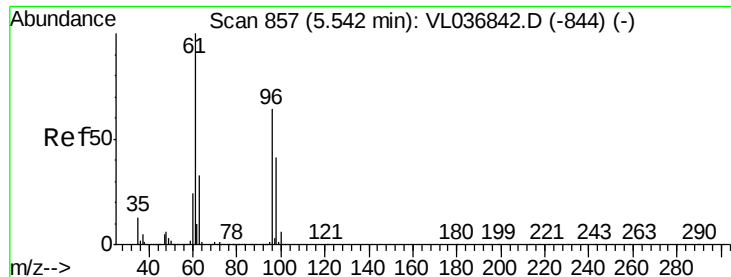
Ion Ratio Lower Upper

84 100

56 143.6 115.8 173.6

41 91.6 74.6 111.8





#31

cis-1,2-Dichloroethene

Concen: 11.309 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 May 2021 17:19 VL0506ABS01

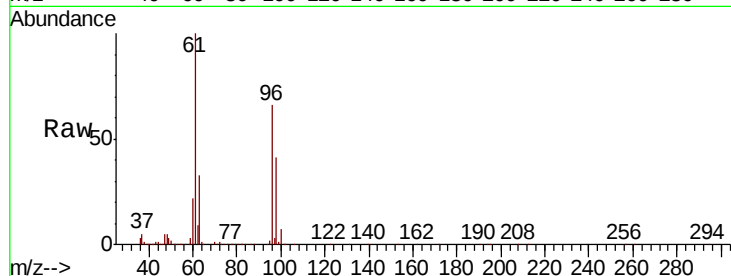
Tot Ion: 61 Resp: 1566963

Ion Ratio Lower Upper

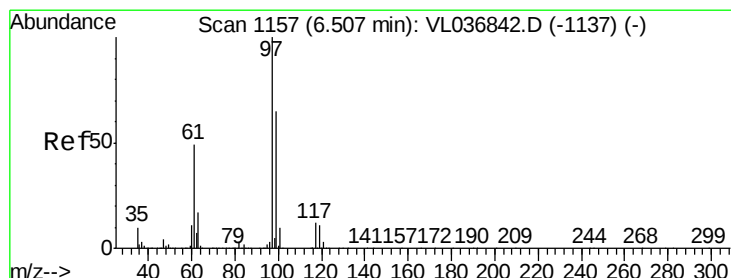
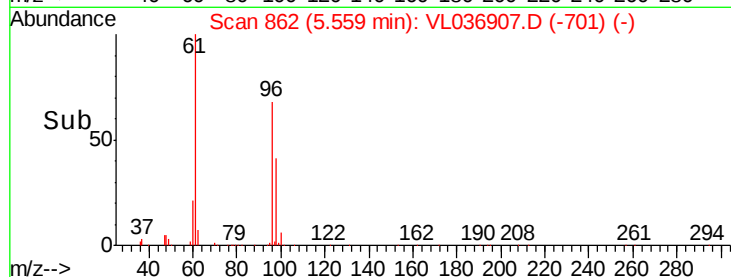
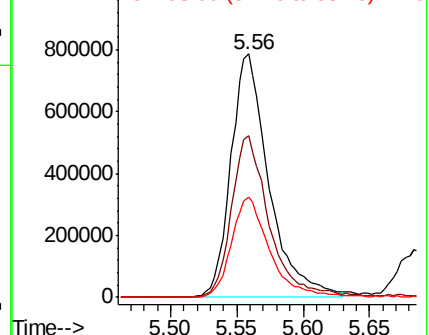
61 100

96 66.3 51.0 76.6

98 41.1 32.7 49.1



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



#32

1,1,1-Trichloroethane

Concen: 10.829 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VL036907.D

Acq: 6 May 2021 17:19

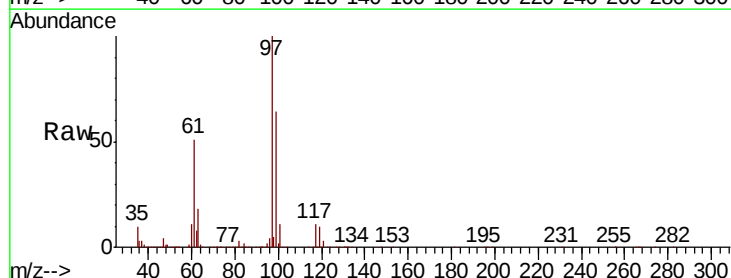
Tgt Ion: 97 Resp: 2649960

Ion Ratio Lower Upper

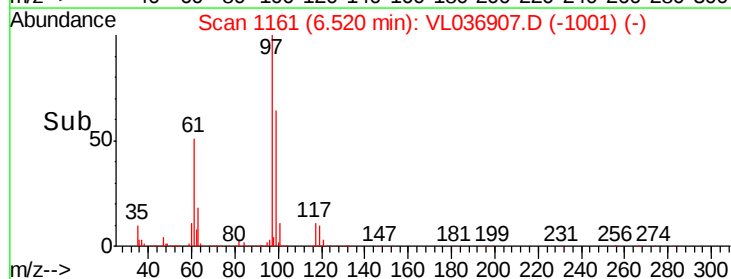
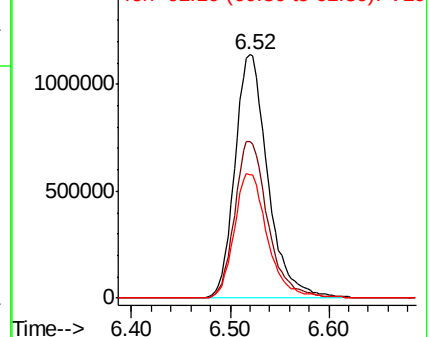
97 100

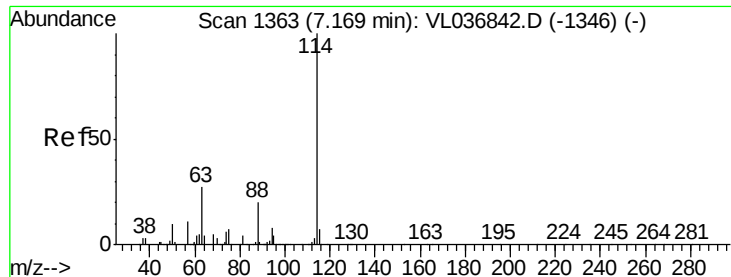
99 65.1 51.8 77.6

61 51.8 40.8 61.2



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

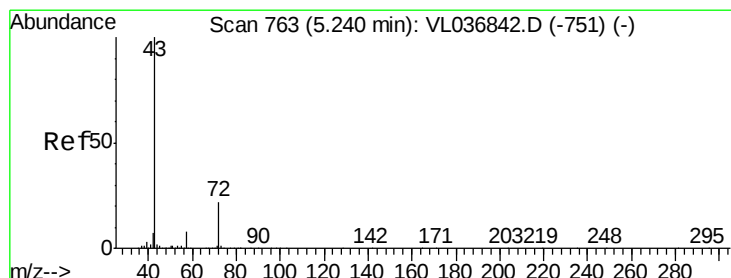
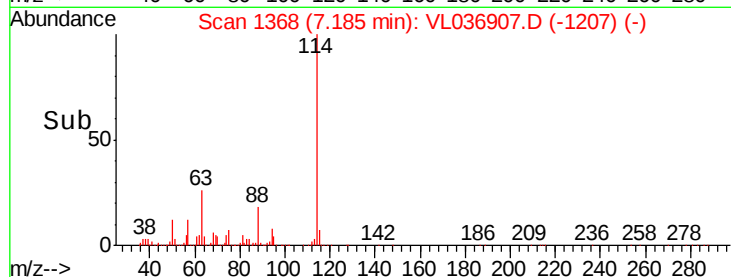
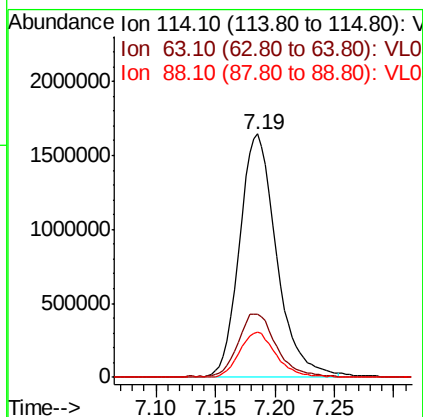
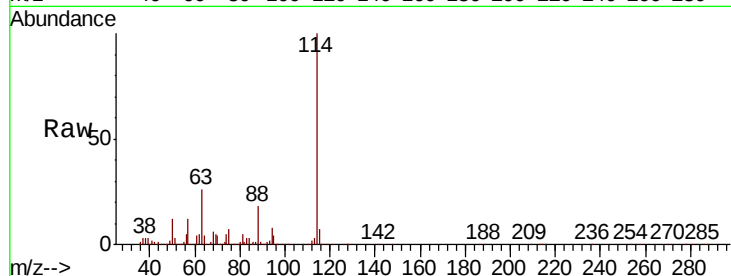




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0506ABS01
 Acq: 6 May 2021 17:19

Tot Ion:114 Resp: 3553862

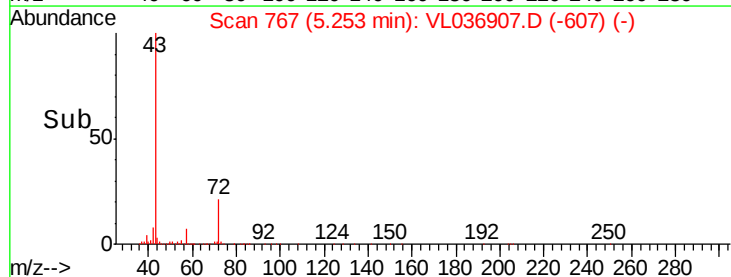
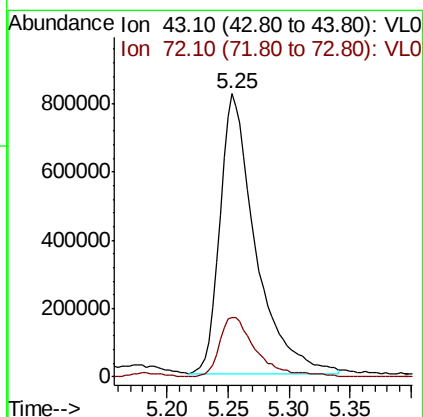
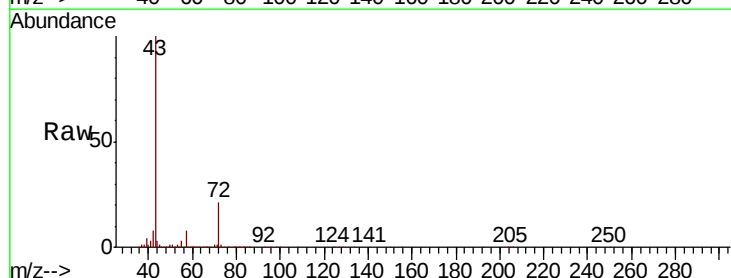
Ion	Ratio	Lower	Upper
114	100		
63	27.6	21.9	32.9
88	18.6	15.1	22.7

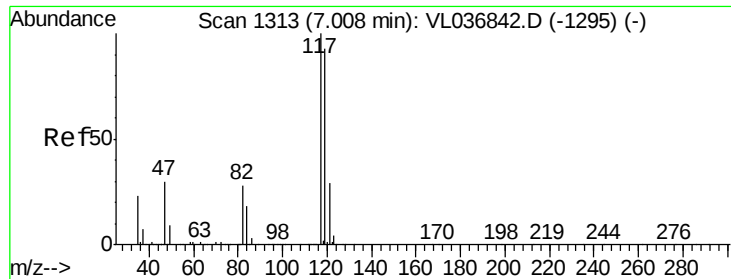


#34
 2-Butanone
 Concen: 10.719 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion: 43 Resp: 1668756

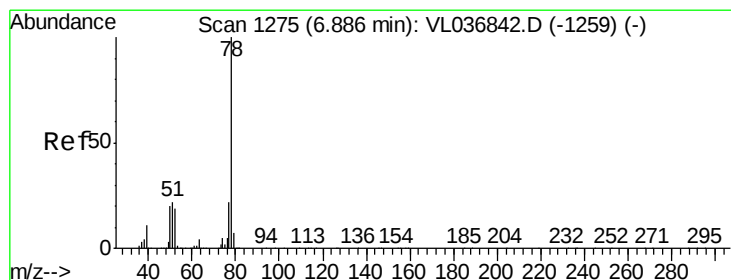
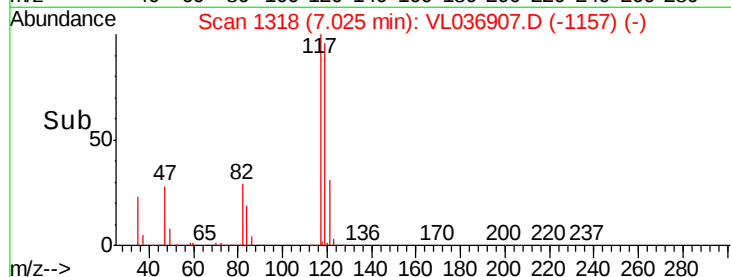
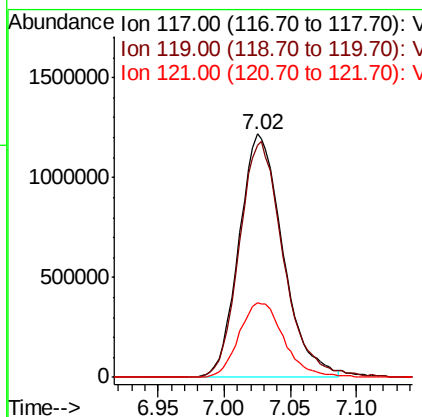
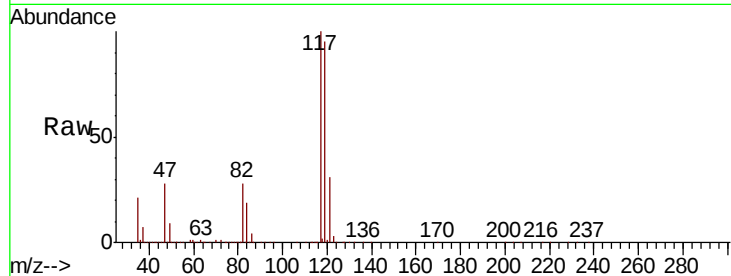
Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.6	26.4





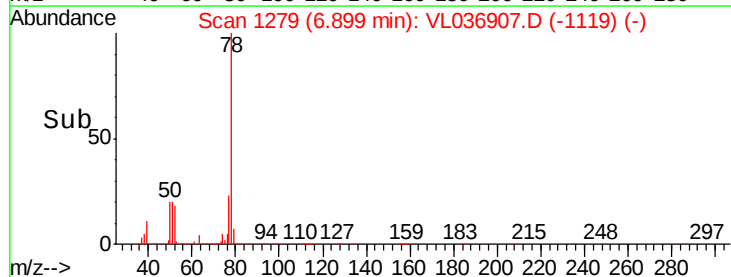
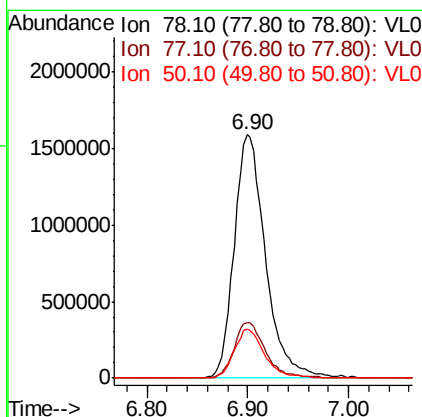
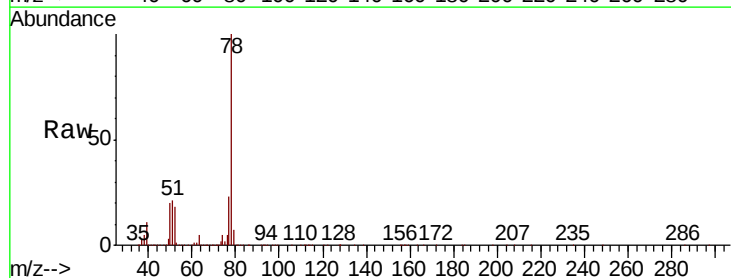
#35
Carbon Tetrachloride
Concen: 11.614 ppbv
RT: 7.02
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : VL0506ABS01
Acq: 6 May 2021 17:19

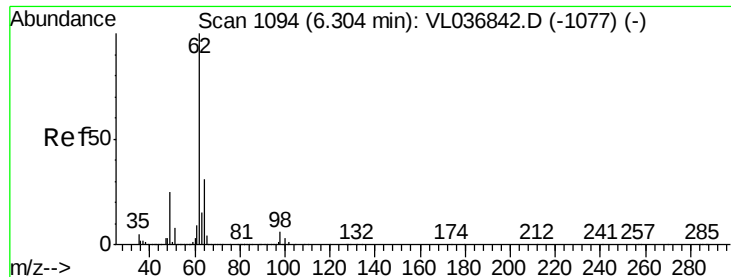
Tot Ion:117 Resp: 2800600
Ion Ratio Lower Upper
117 100
119 95.4 74.6 111.8
121 30.7 23.3 34.9



#36
Benzene
Concen: 11.439 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

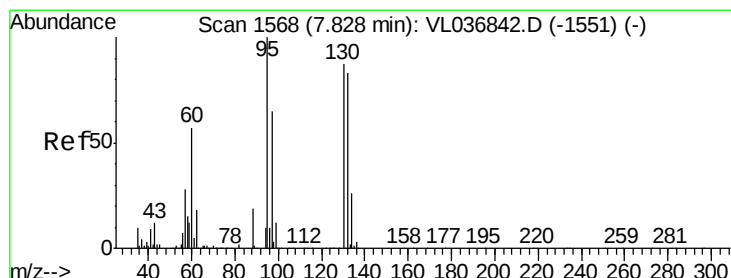
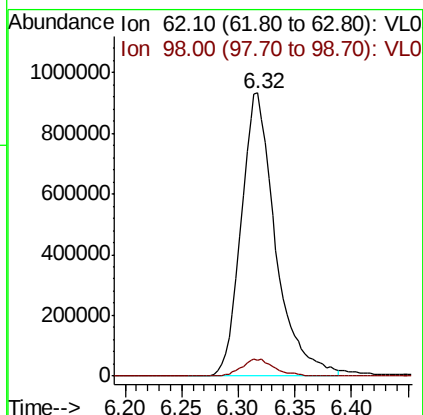
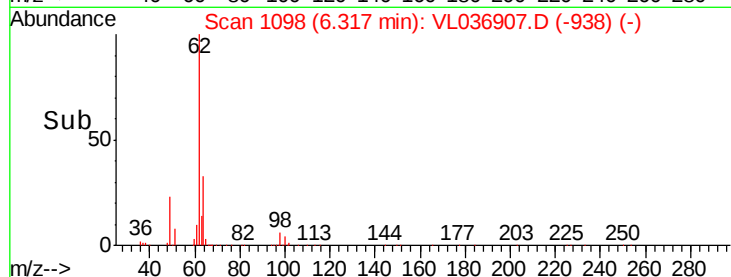
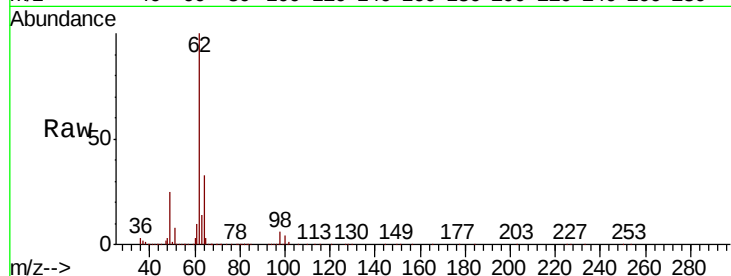
Tgt Ion: 78 Resp: 3425265
Ion Ratio Lower Upper
78 100
77 22.9 17.6 26.4
50 20.3 16.3 24.5





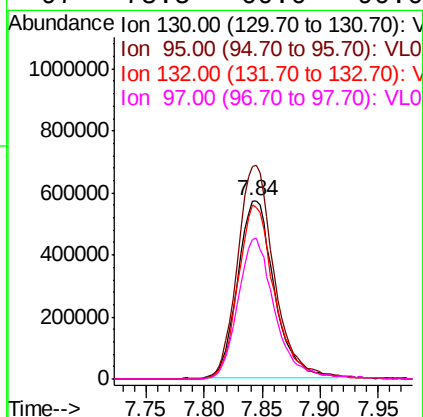
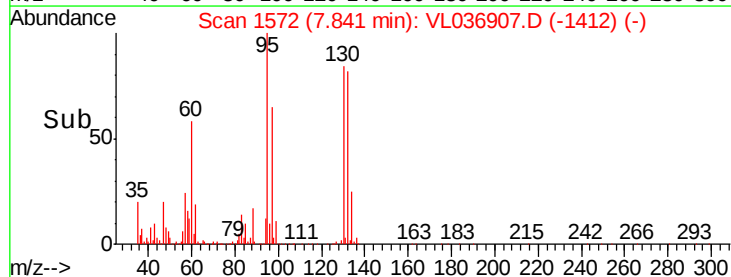
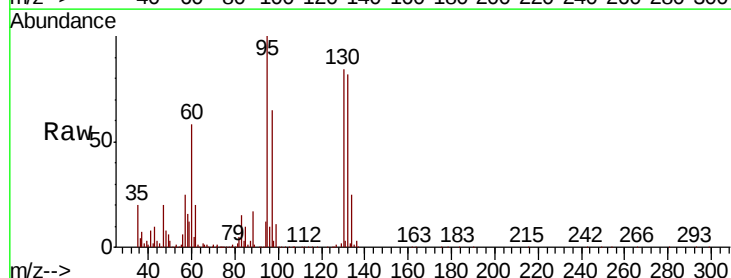
#37
 1,2-Dichloroethane
 Concen: 11.622 ppbv
 RT: 6.32
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0506ABS01
 Acq: 6 May 2021 17:19

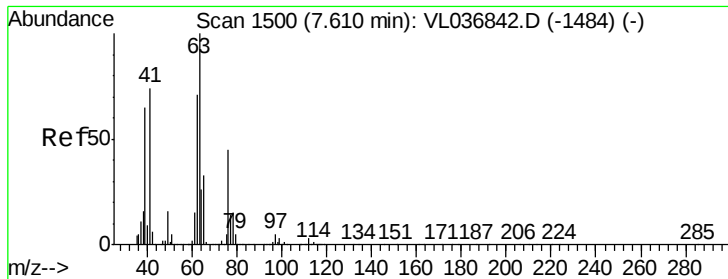
Tot Ion: 62 Resp: 1970656
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.8 7.2



#38
 Trichloroethene
 Concen: 11.828 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion:130 Resp: 1260969
 Ion Ratio Lower Upper
 130 100
 95 119.9 92.3 138.5
 132 98.1 76.8 115.2
 97 78.5 60.0 90.0

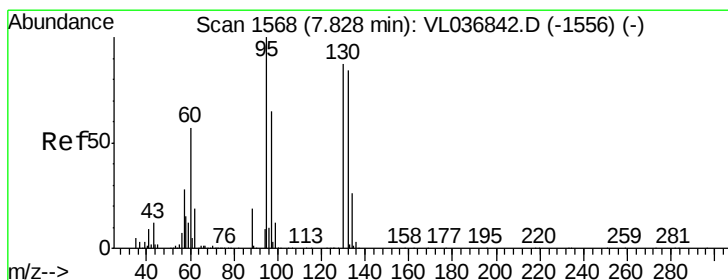
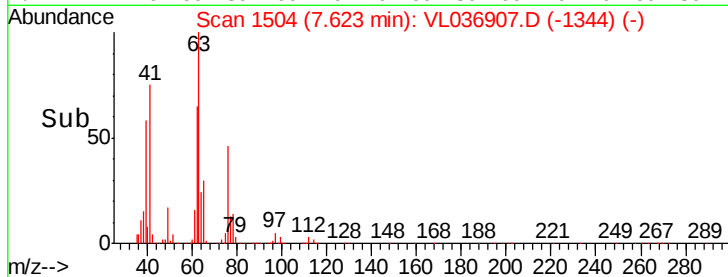
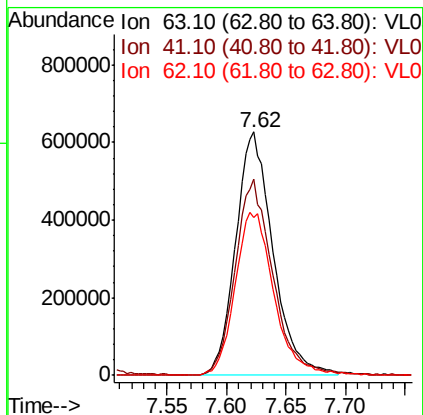
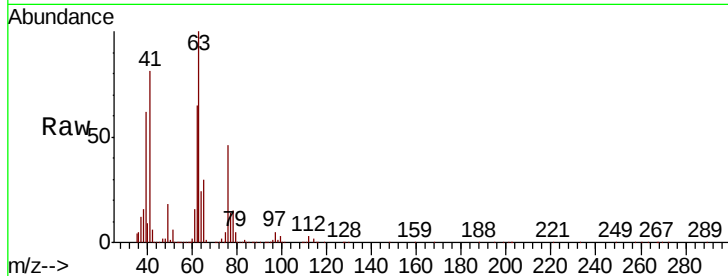




#39
 1,2-Dichloropropane
 Concen: 11.348 ppbv
 RT: 7.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0506ABS01
 Acq: 6 May 2021 17:19

Tot Ion: 63 Resp: 1361312

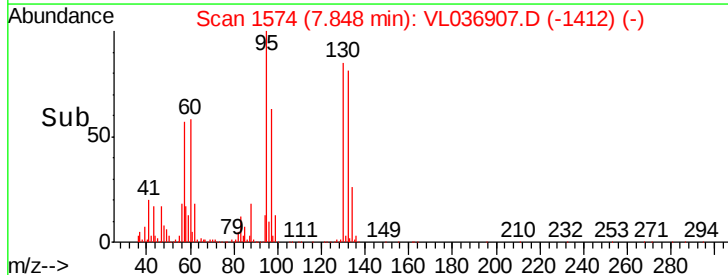
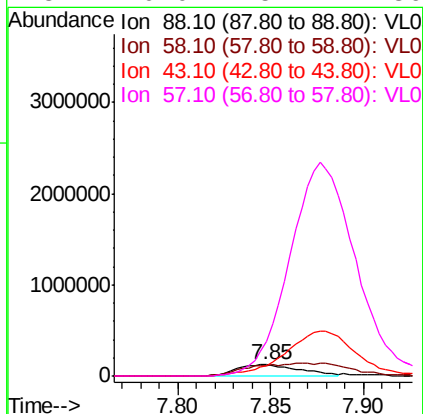
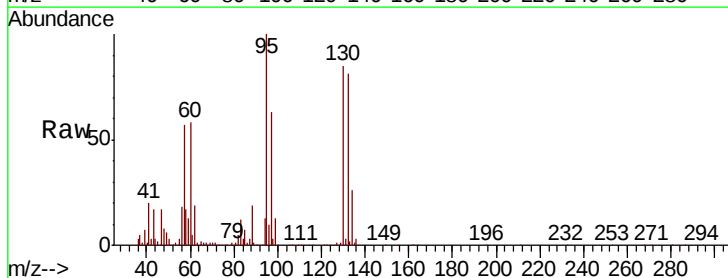
Ion	Ratio	Lower	Upper
63	100		
41	80.4	59.1	88.7
62	65.0	56.9	85.3

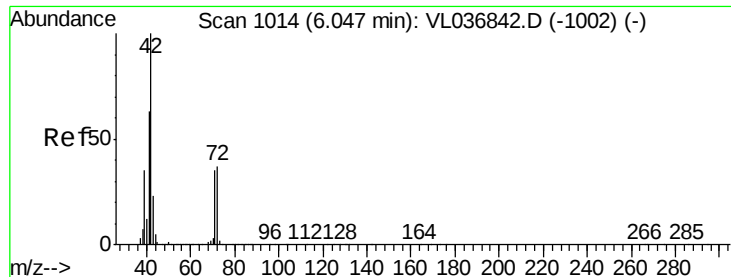


#40
 1,4-Dioxane
 Concen: 9.945 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion: 88 Resp: 288080

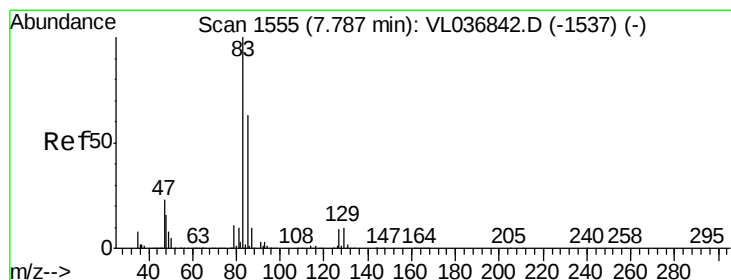
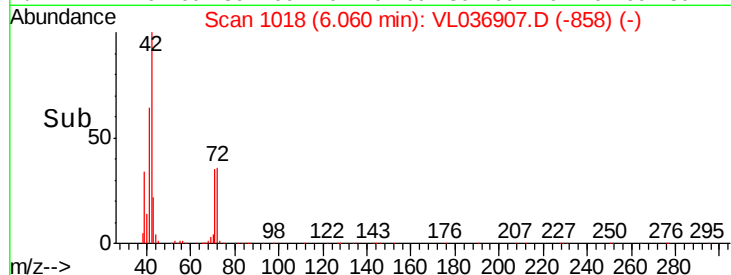
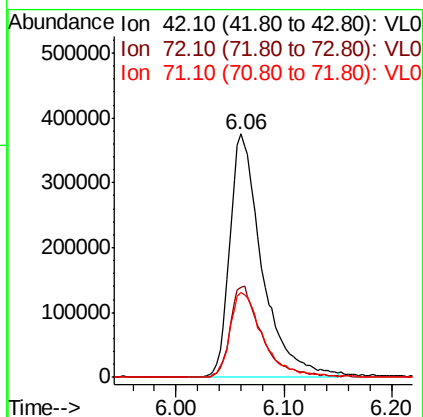
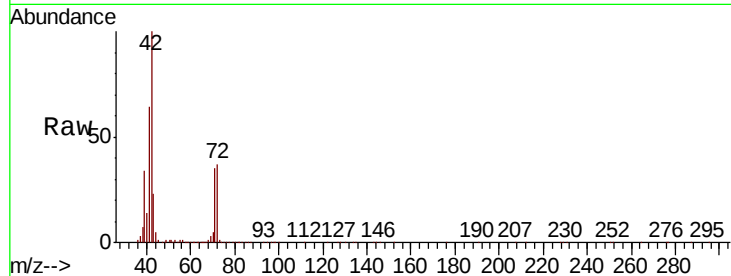
Ion	Ratio	Lower	Upper
88	100		
58	0.0	132.6	198.8#
43	0.0	331.5	497.3#
57	0.0	1457.4	2186.0#





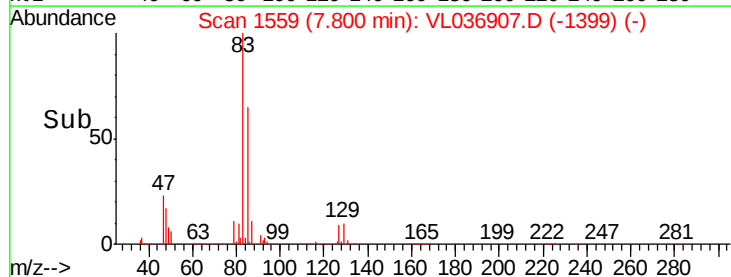
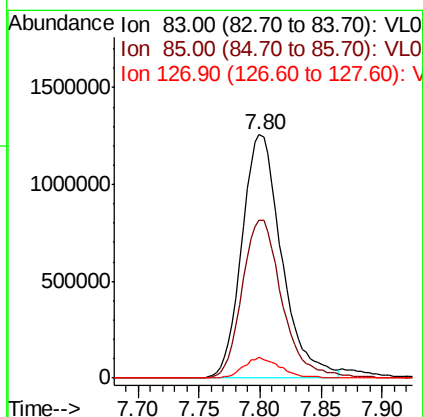
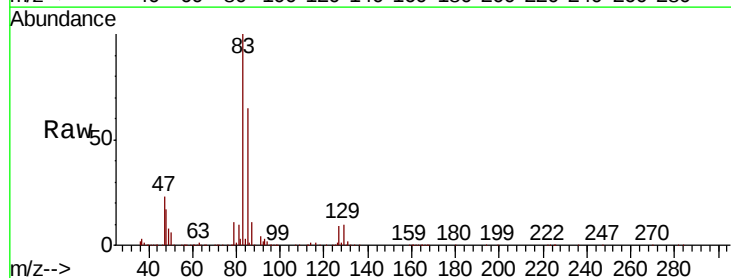
#41
Tetrahydrofuran
Concen: 11.487 ppbv
RT: 6.06
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0506ABS01
Acq: 6 May 2021 17:19

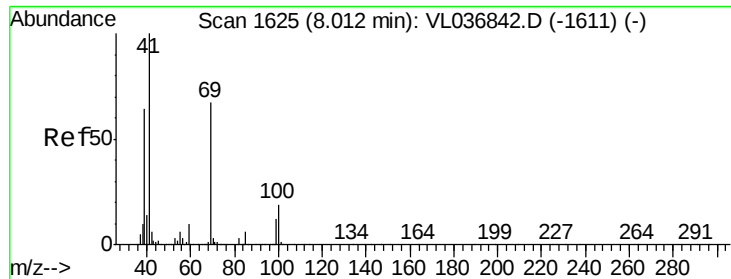
Tot Ion: 42 Resp: 782240
Ion Ratio Lower Upper
42 100
72 37.3 29.7 44.5
71 36.3 29.0 43.6



#42
Bromodichloromethane
Concen: 12.018 ppbv
RT: 7.80 min Scan# 1559
Delta R.T.: 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

Tgt Ion: 83 Resp: 2831438
Ion Ratio Lower Upper
83 100
85 64.7 50.4 75.6
127 8.6 6.9 10.3





#43

Methyl Methacrylate

Concen: 12.511 ppbv

RT: 8.02

Instrument: MSVOA_1

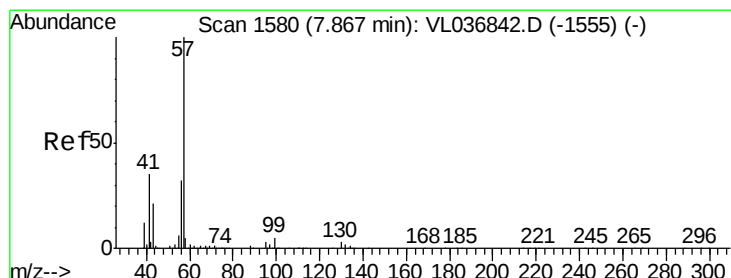
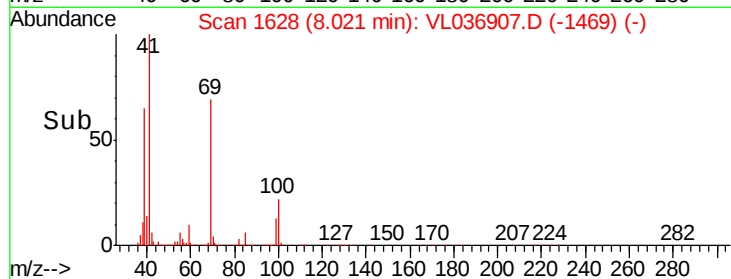
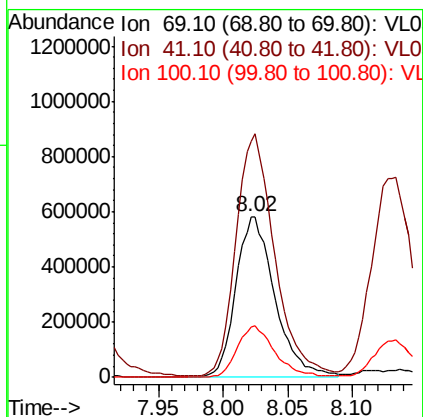
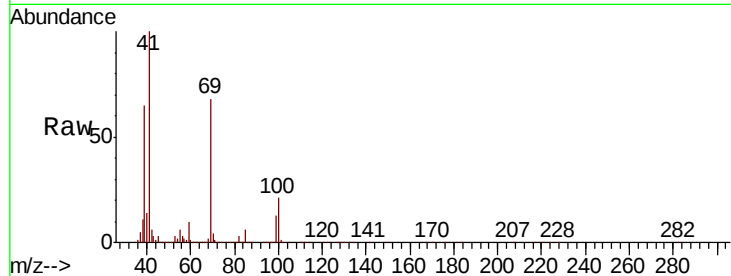
Delta R.T. ClientSampleId:

Lab File: VL0506ABS01

Acq: 6 May 2021 17:19

Tot Ion: 69 Resp: 1222424

Ion	Ratio	Lower	Upper
69	100		
41	151.1	124.2	186.4
100	31.3	25.5	38.3



#44

2,2,4-Trimethylpentane

Concen: 11.463 ppbv

RT: 7.88 min Scan# 1583

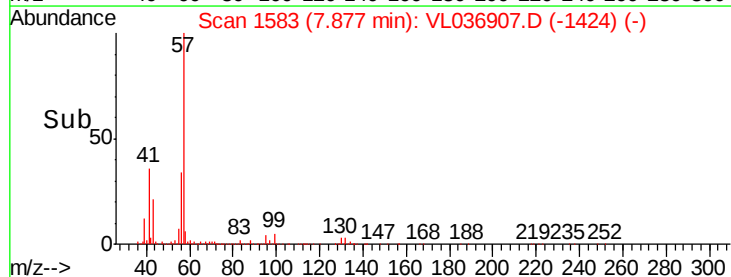
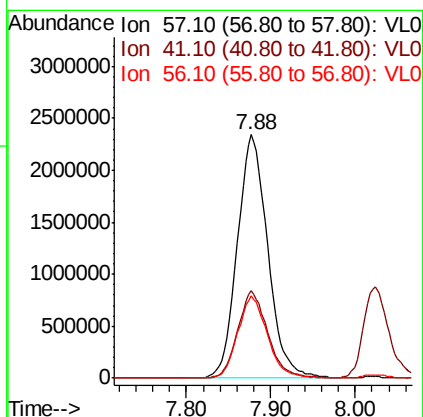
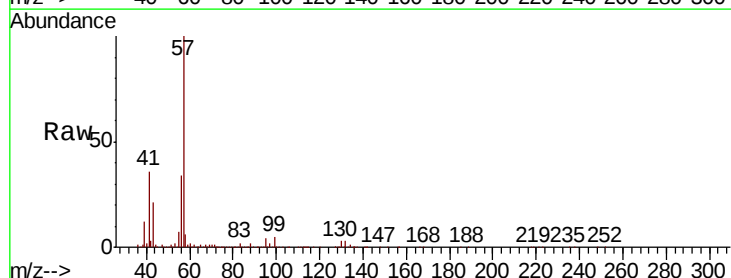
Delta R.T. 0.01 min

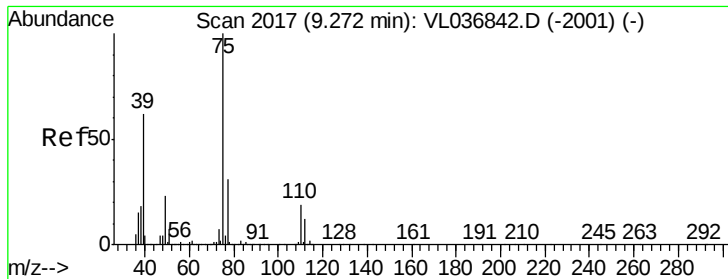
Lab File: VL036907.D

Acq: 6 May 2021 17:19

Tgt Ion: 57 Resp: 5882182

Ion	Ratio	Lower	Upper
57	100		
41	35.3	28.2	42.4
56	32.8	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 12.834 ppbv

RT: 9.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

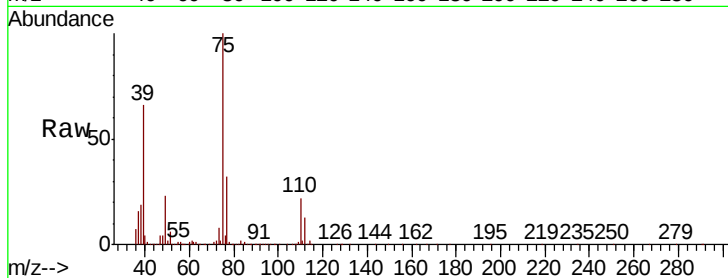
Acq: 6 May 2021 17:19 VL0506ABS01

Tot Ion: 75 Resp: 1351743

Ion Ratio Lower Upper

75 100

77 31.9 24.6 37.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

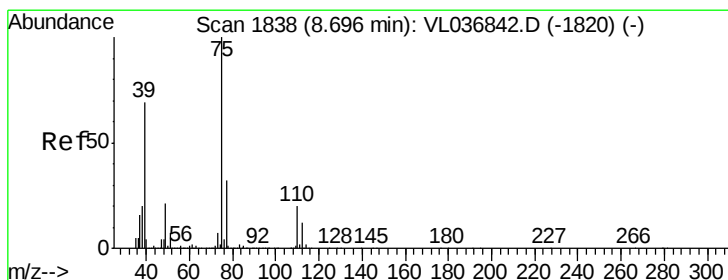
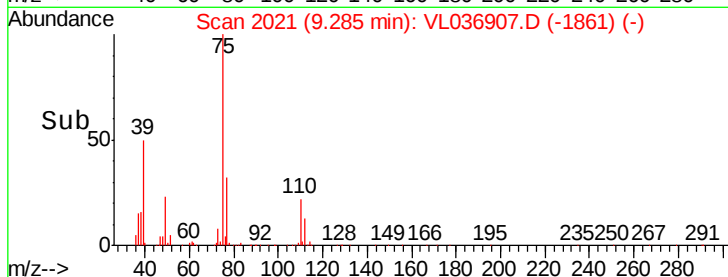
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.504 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VL036907.D

Acq: 6 May 2021 17:19

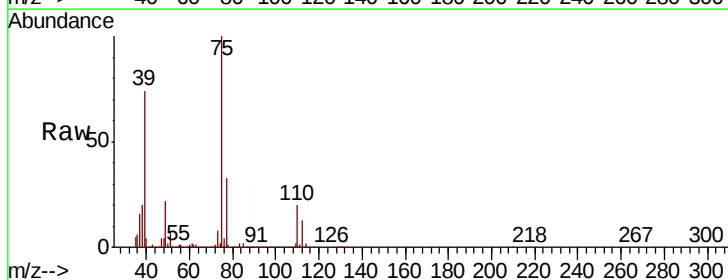
Tgt Ion: 75 Resp: 1688577

Ion Ratio Lower Upper

75 100

39 74.0 55.4 83.0

77 33.1 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

1000000

800000

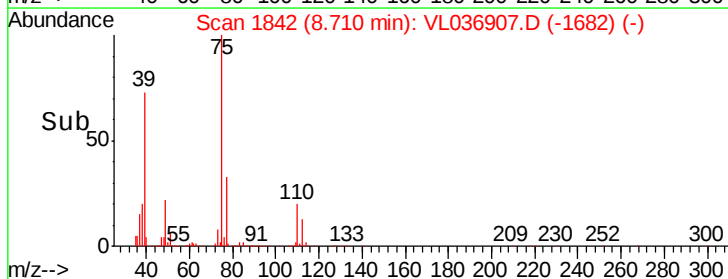
600000

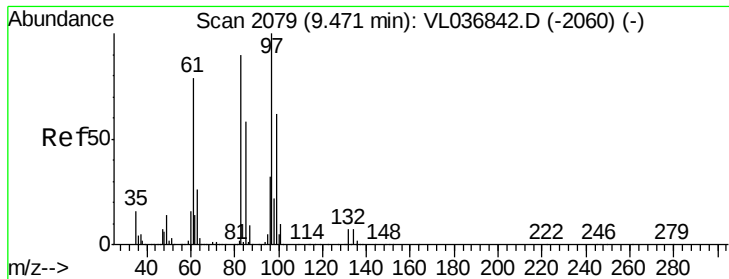
400000

200000

0

Time-->

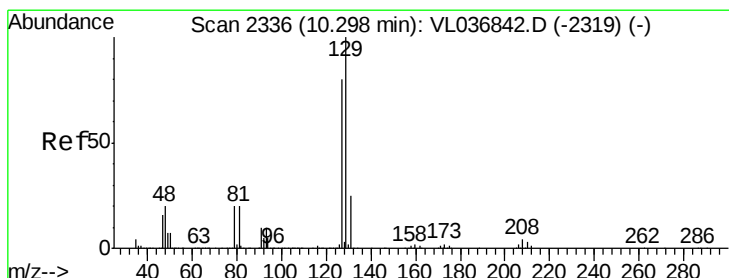
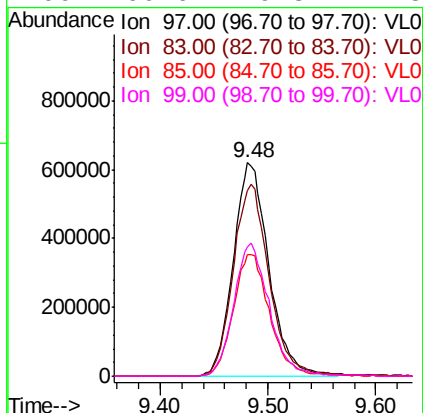
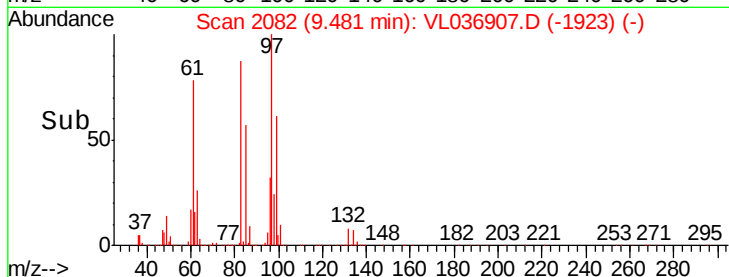
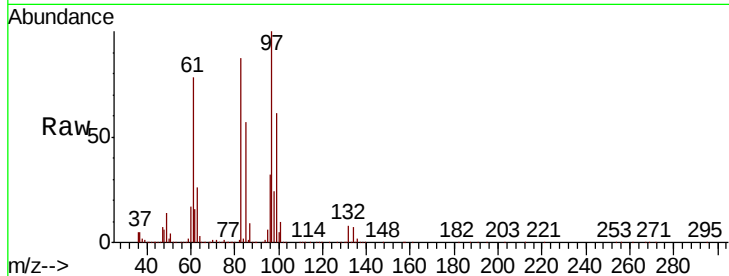




#47
 1,1,2-Trichloroethane
 Concen: 11.478 ppbv
 RT: 9.48
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0506ABS01
 Acq: 6 May 2021 17:19

Tot Ion: 97 Resp: 1425499

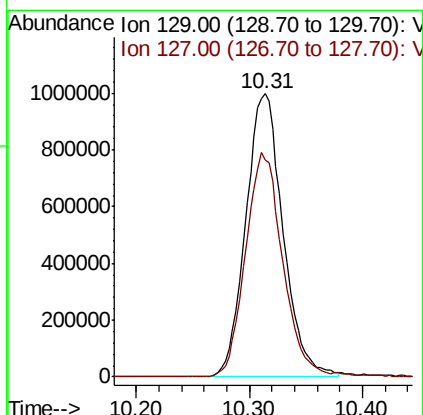
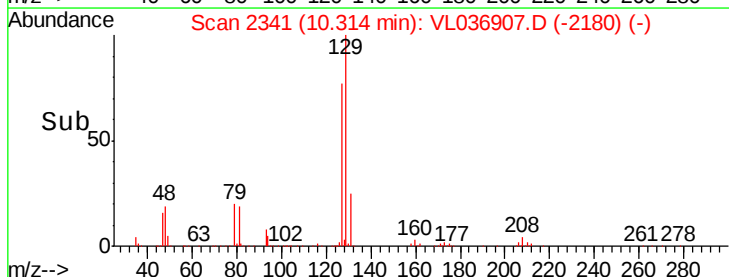
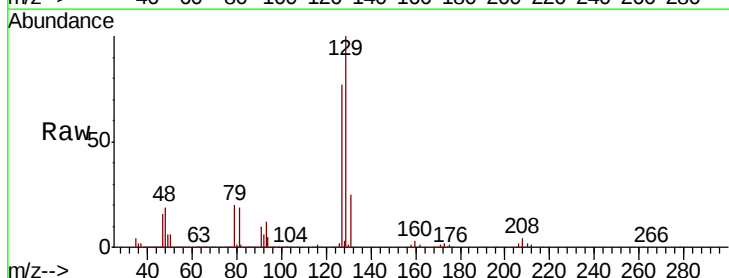
Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.9	107.9
85	57.0	46.5	69.7
99	60.6	49.8	74.8

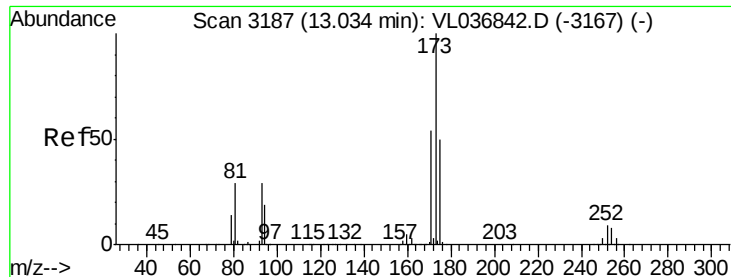


#48
 Dibromochloromethane
 Concen: 12.410 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T.: 0.02 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion: 129 Resp: 2283784

Ion	Ratio	Lower	Upper
129	100		
127	80.2	40.2	120.5





#49

Bromoform

Concen: 13.000 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 6 May 2021 17:19

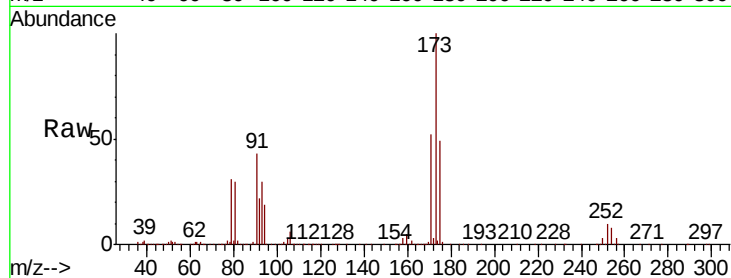
Tot Ion:173 Resp: 1909952

Ion Ratio Lower Upper

173 100

175 50.2 39.6 59.4

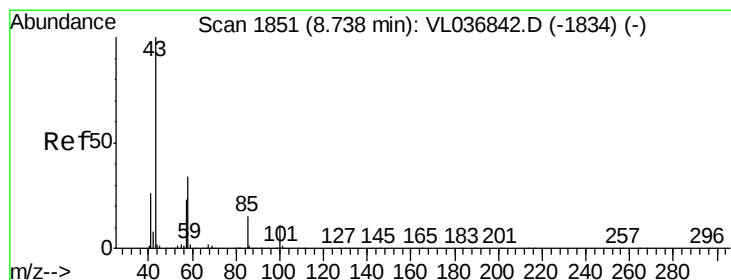
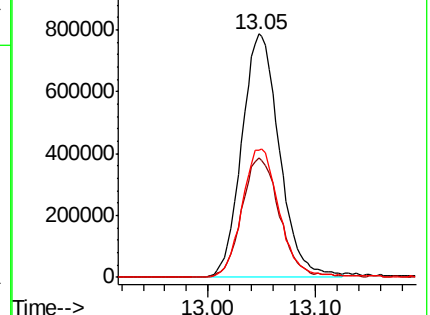
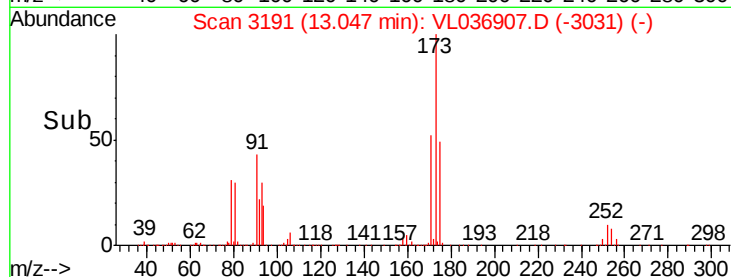
171 52.8 42.2 63.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 12.238 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.02 min

Lab File: VL036907.D

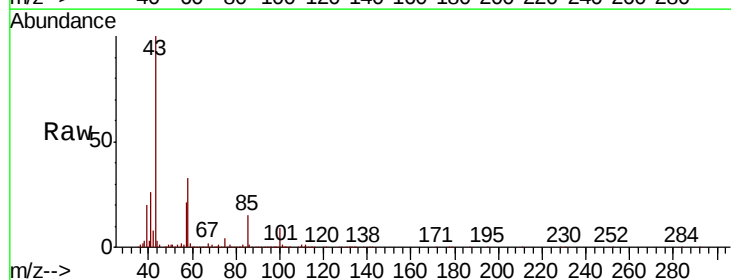
Acq: 6 May 2021 17:19

Tgt Ion: 43 Resp: 2604171

Ion Ratio Lower Upper

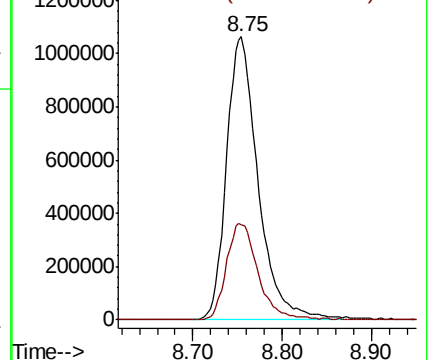
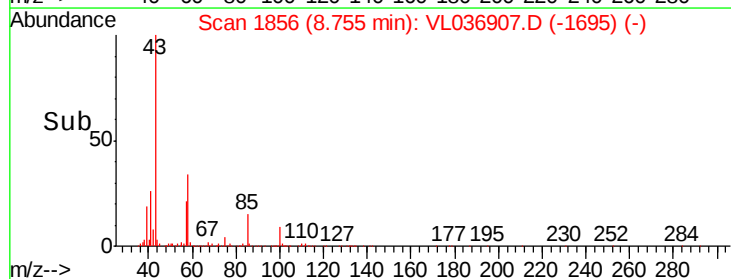
43 100

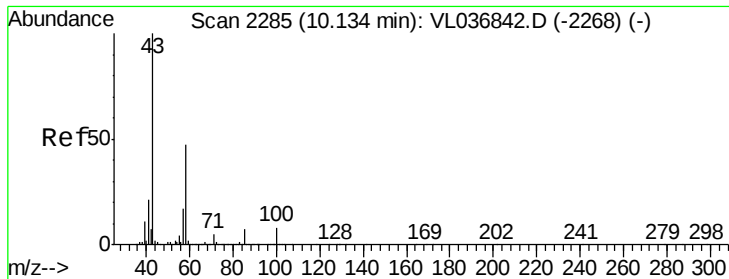
58 34.6 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.238 ppbv

RT: 10.15

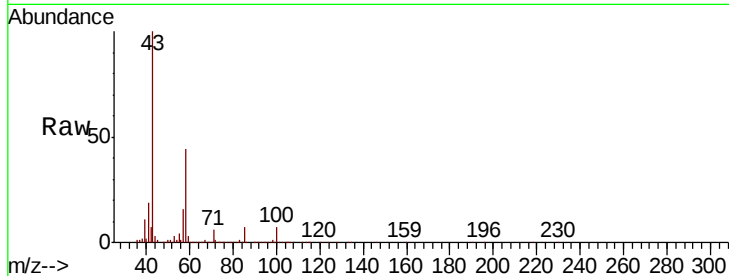
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

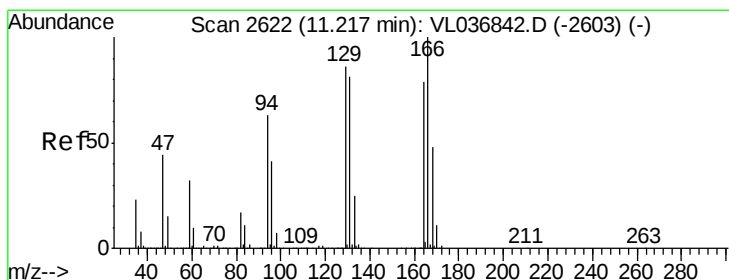
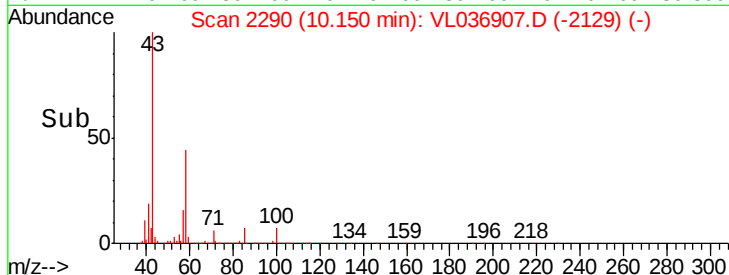
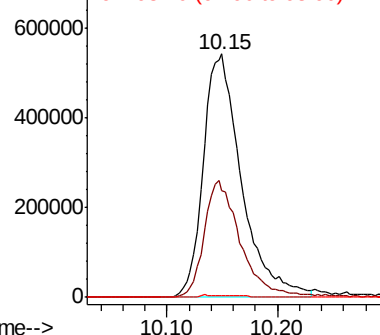
Acq: 6 May 2021 17:19

Tot Ion: 43 Resp: 1298843

Ion	Ratio	Lower	Upper
43	100		
58	46.3	37.0	55.6
98	1.2	0.2	0.4#



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: 11.191 ppbv

RT: 11.23 min Scan# 2626

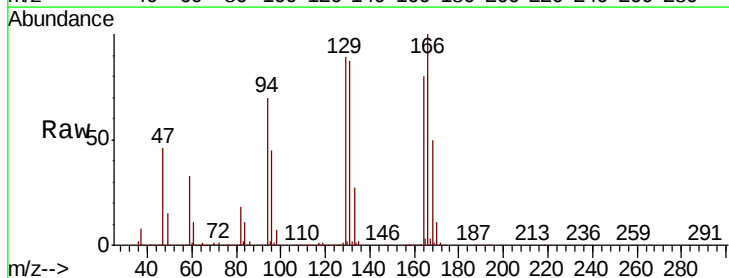
Delta R.T. 0.01 min

Lab File: VL036907.D

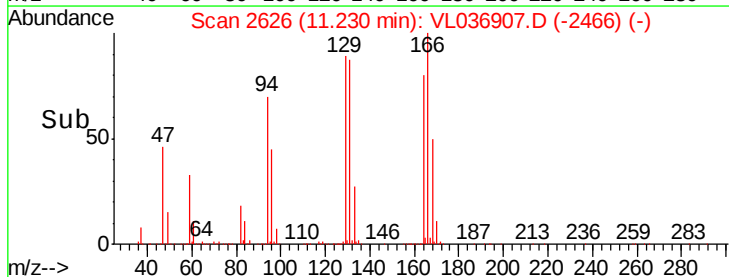
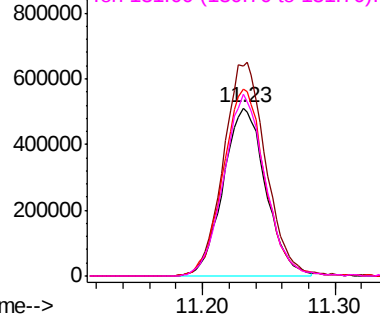
Acq: 6 May 2021 17:19

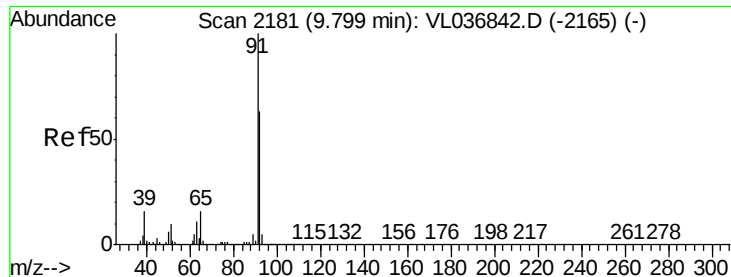
Tgt Ion: 164 Resp: 1141065

Ion	Ratio	Lower	Upper
164	100		
166	124.7	100.9	151.3
129	110.9	87.0	130.4
131	108.5	81.7	122.5



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: 12.153 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

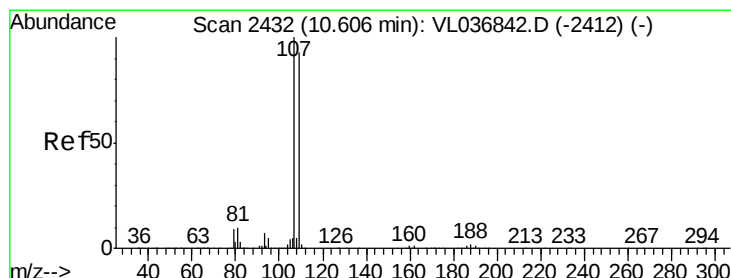
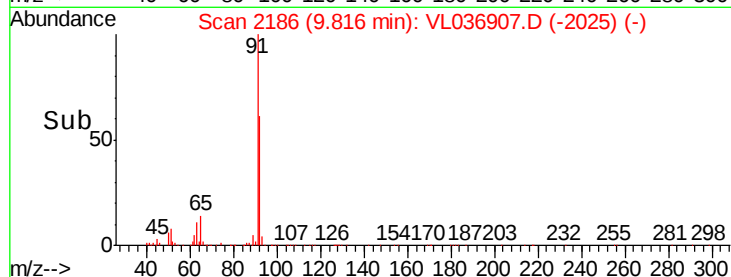
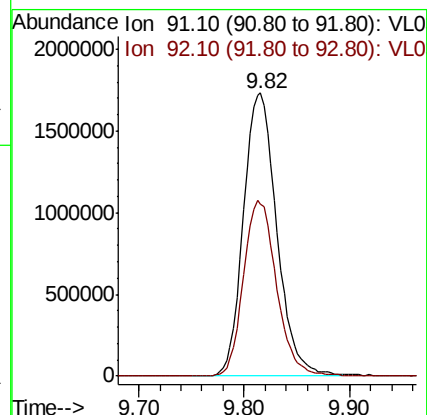
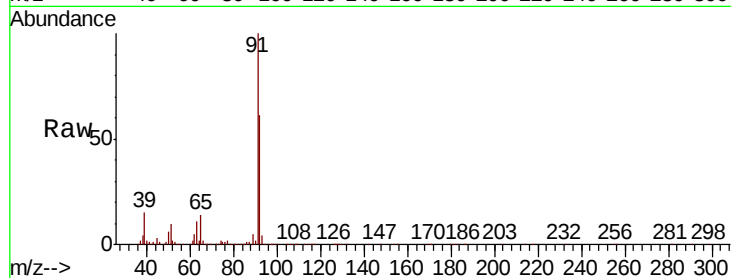
Acq: 6 May 2021 17:19 VL0506ABS01

Tot Ion: 91 Resp: 3807807

Ion Ratio Lower Upper

91 100

92 61.8 49.0 73.4



#54

1,2-Dibromoethane

Concen: 11.318 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.01 min

Lab File: VL036907.D

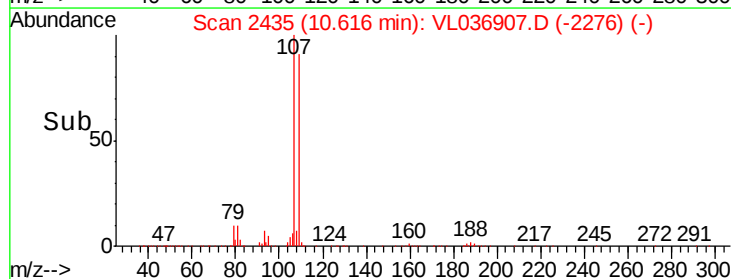
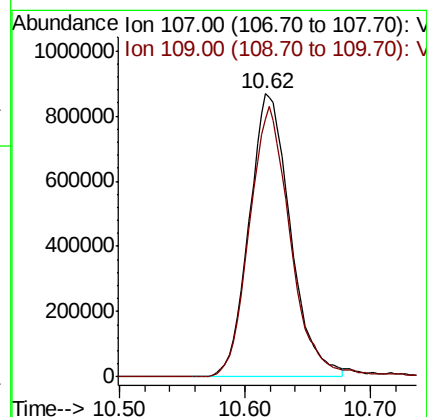
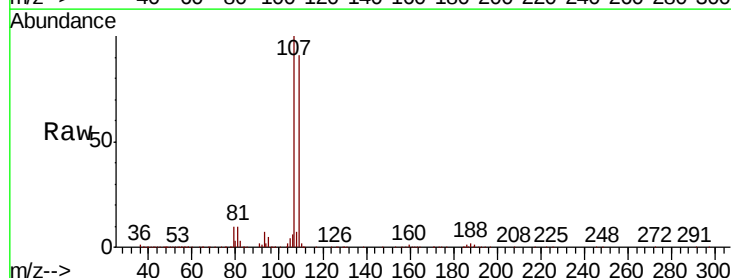
Acq: 6 May 2021 17:19

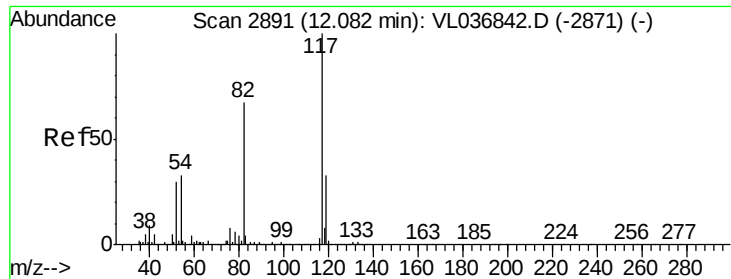
Tgt Ion: 107 Resp: 1984506

Ion Ratio Lower Upper

107 100

109 91.1 74.7 112.1

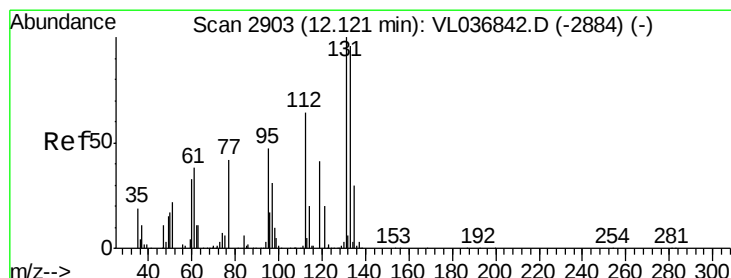
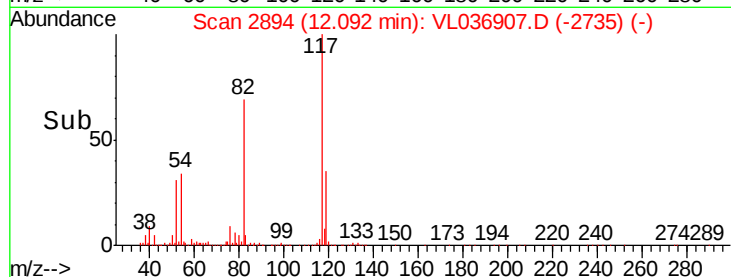
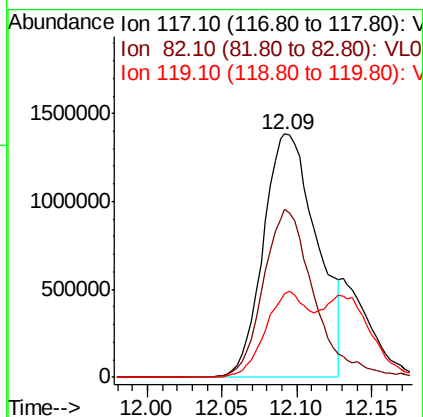
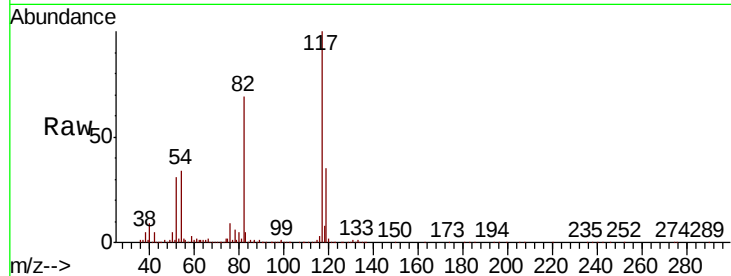




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: VL0506ABS01
Client Sample Id:
Acq: 6 May 2021 17:19

Tot Ion: 117 Resp: 3442685

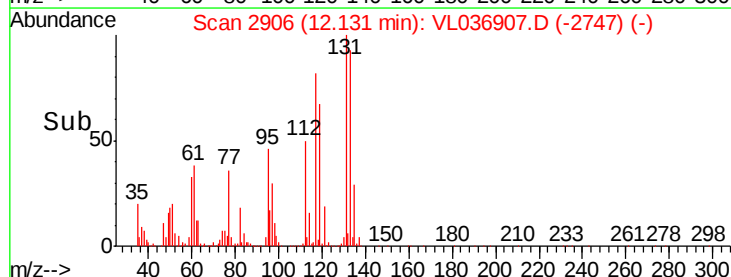
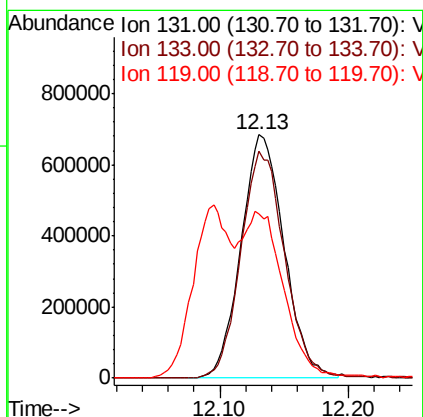
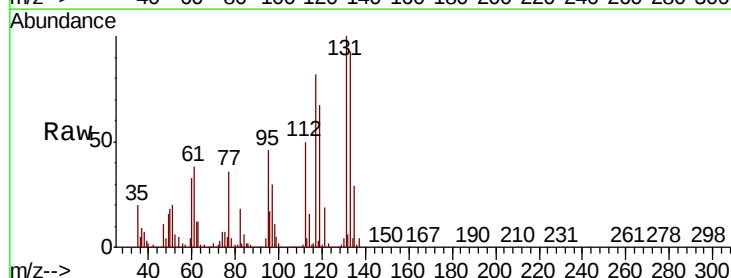
Ion	Ratio	Lower	Upper
117	100		
82	66.2	53.5	80.3
119	28.5	25.6	38.4

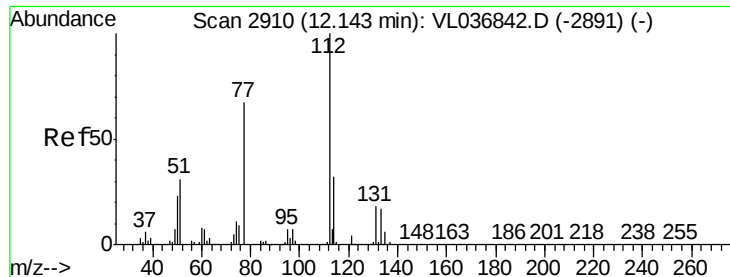


#56
1,1,1,2-Tetrachloroethane
Concen: 11.024 ppbv
RT: 12.13 min Scan# 2906
Delta R.T.: 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

Tgt Ion: 131 Resp: 1591021

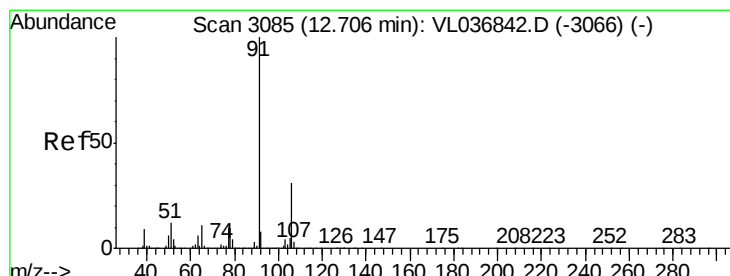
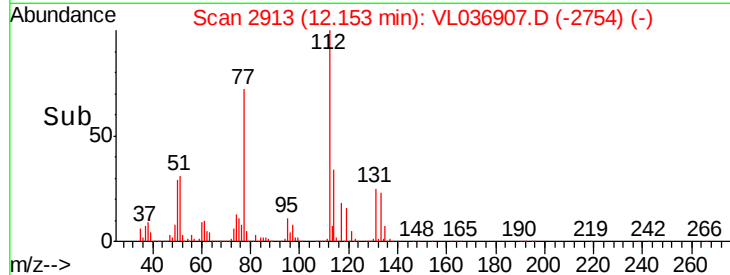
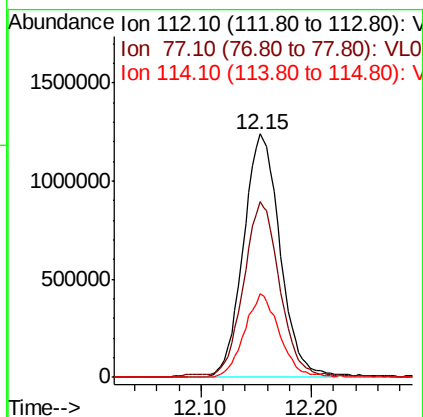
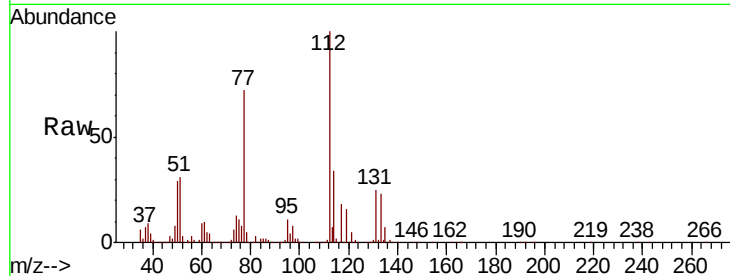
Ion	Ratio	Lower	Upper
131	100		
133	95.5	76.3	114.5
119	67.3	114.9	172.3#





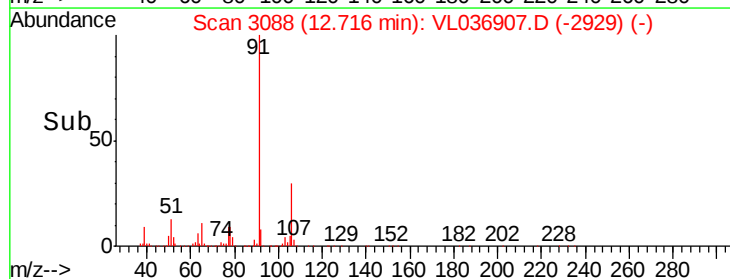
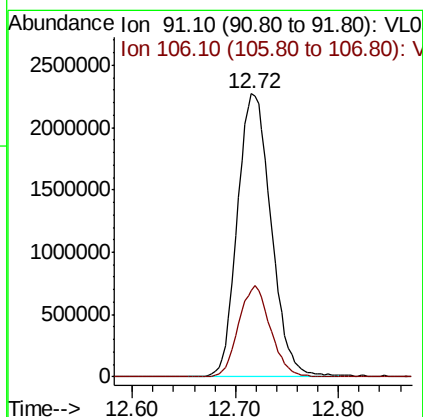
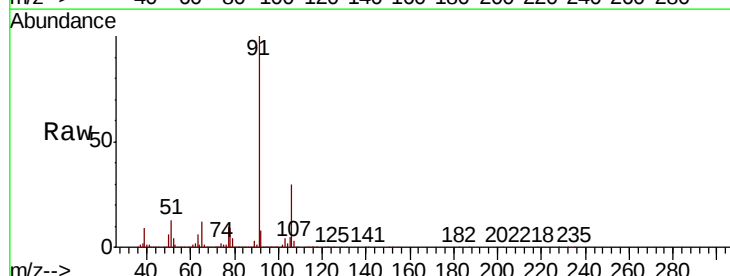
#57
Chlorobenzene
Concen: 10.661 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0506ABS01
Acq: 6 May 2021 17:19

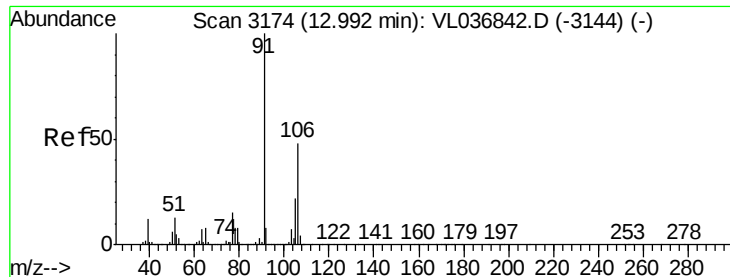
Tot Ion: 112 Resp: 2858744
Ion Ratio Lower Upper
112 100
77 71.2 54.2 81.4
114 34.4 28.5 34.9



#58
Ethyl Benzene
Concen: 11.829 ppbv
RT: 12.72 min Scan# 3088
Delta R.T.: 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

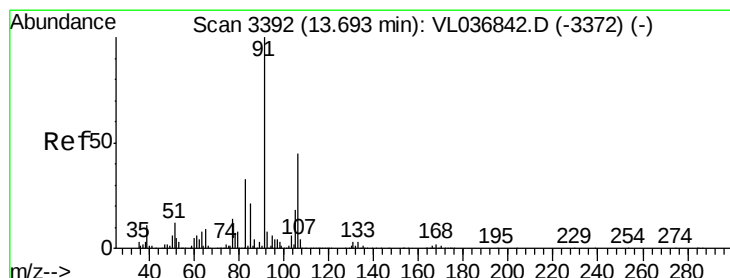
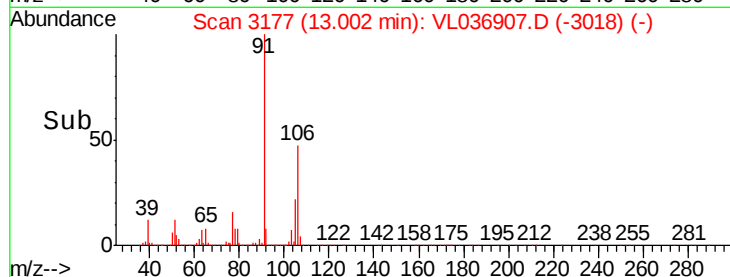
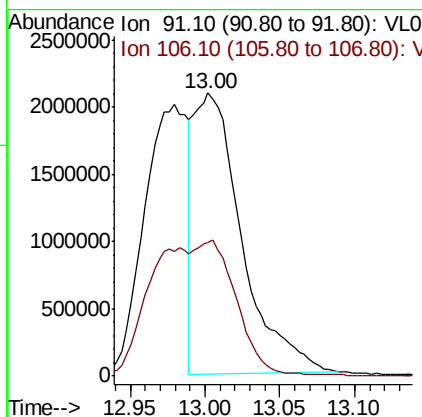
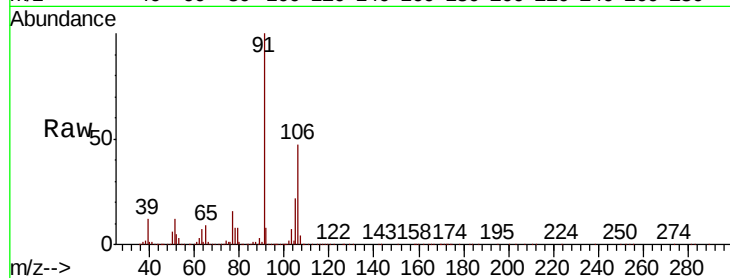
Tgt Ion: 91 Resp: 5165205
Ion Ratio Lower Upper
91 100
106 30.4 25.1 37.7





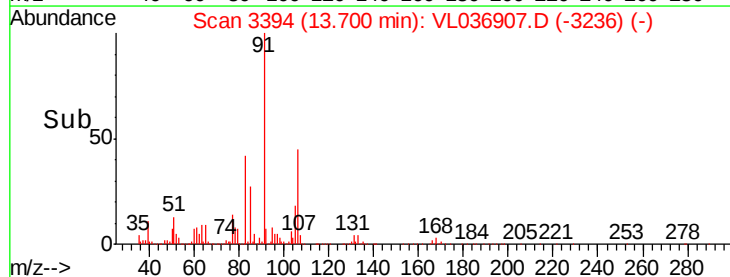
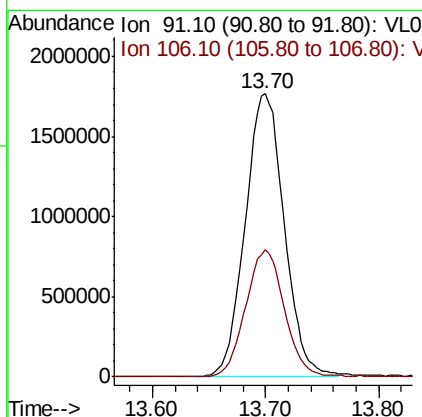
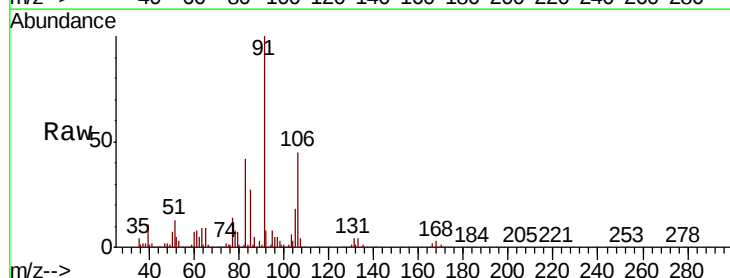
#59
m/p-Xylene
Concen: 11.883 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0506ABS01
Acq: 6 May 2021 17:19

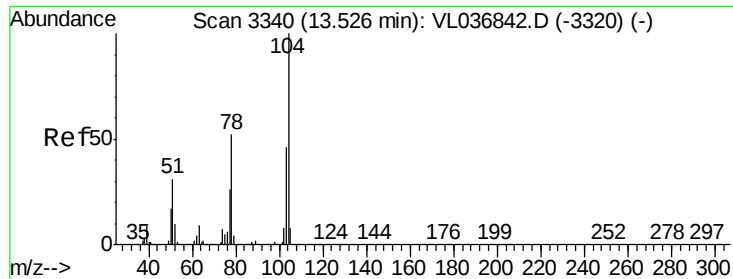
Tot Ion: 91 Resp: 4637713
Ion Ratio Lower Upper
91 100
106 85.1 35.8 53.6#



#60
o-Xylene
Concen: 11.188 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

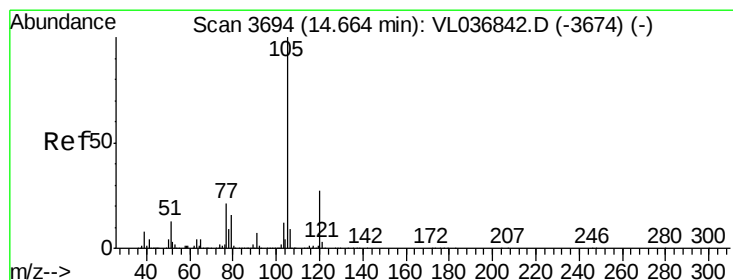
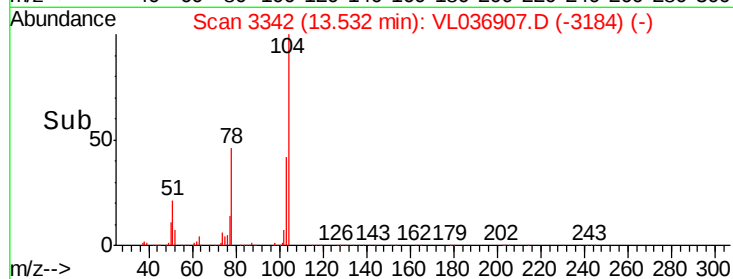
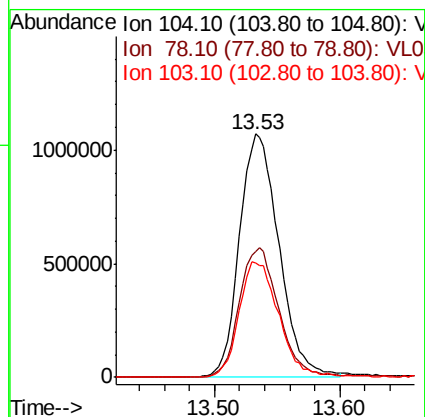
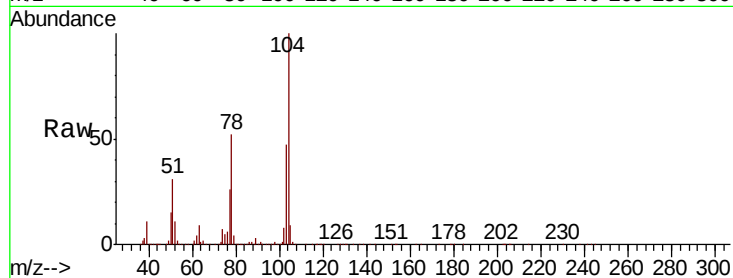
Tgt Ion: 91 Resp: 4221981
Ion Ratio Lower Upper
91 100
106 44.9 22.6 67.7





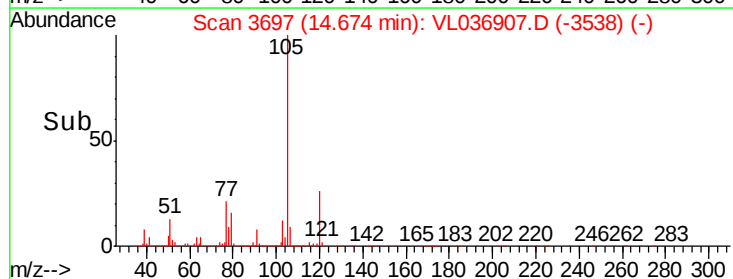
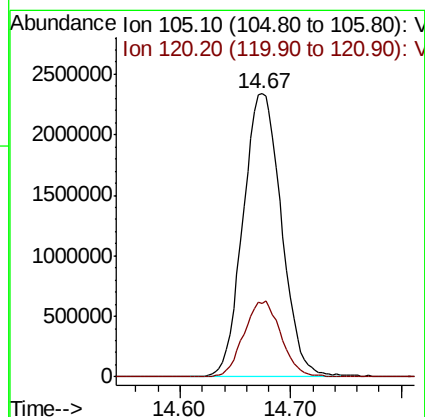
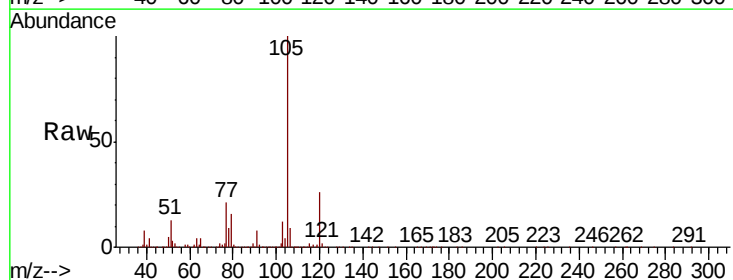
#61
Stvrene
Concen: 13.249 ppbv
RT: 13.53 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: VL0506ABS01
Client Sample ID: VL0506ABS01
Acq: 6 May 2021 17:19

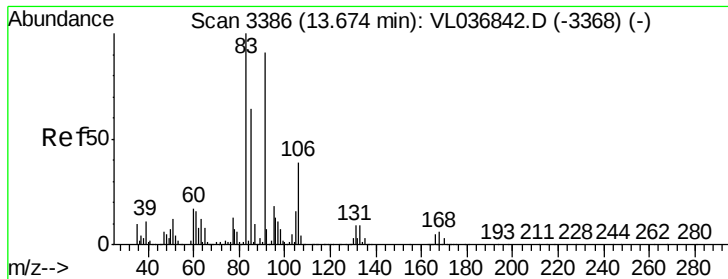
Tot Ion: 104 Resp: 2347854
Ion Ratio Lower Upper
104 100
78 53.9 42.6 64.0
103 48.1 38.1 57.1



#62
Isopropylbenzene
Concen: 10.999 ppbv
RT: 14.67 min Scan# 3697
Delta R.T.: 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

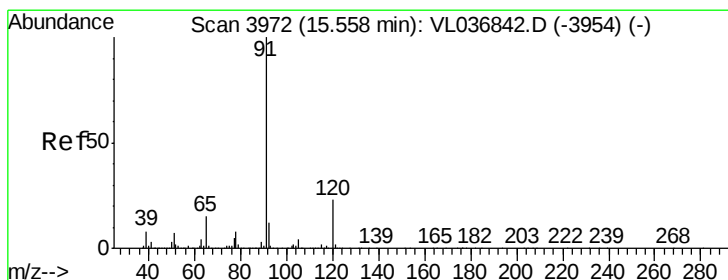
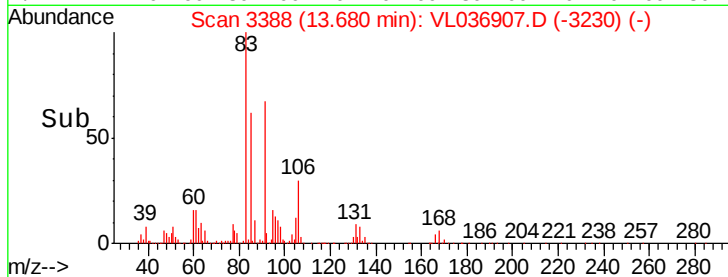
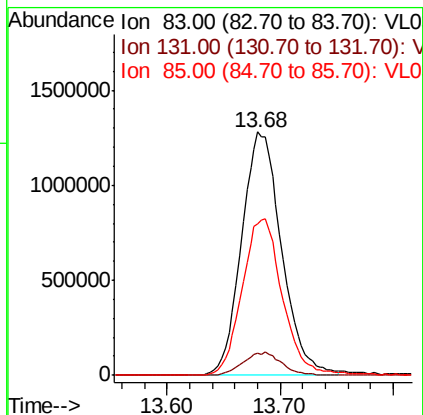
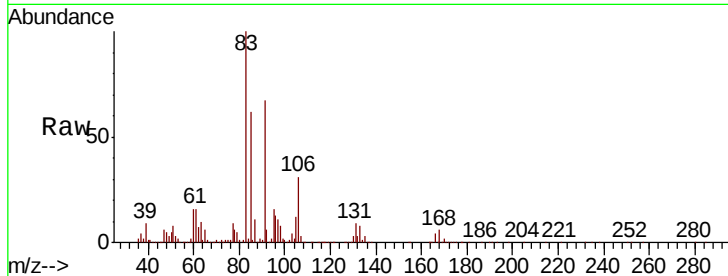
Tgt Ion: 105 Resp: 5647125
Ion Ratio Lower Upper
105 100
120 26.1 21.1 31.7





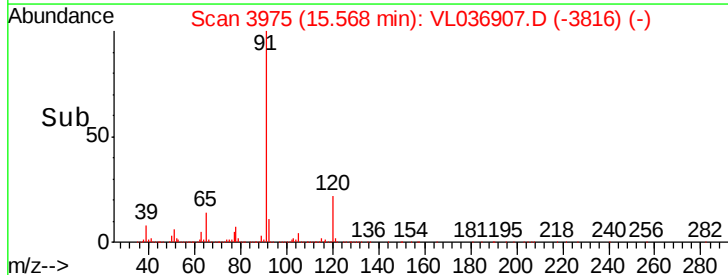
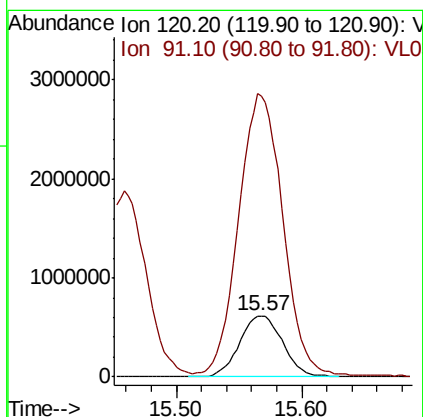
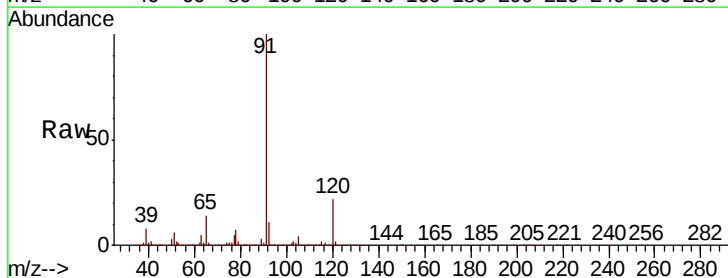
#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.400 ppbv
 RT: 13.68 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0506ABS01
 Acq: 6 May 2021 17:19

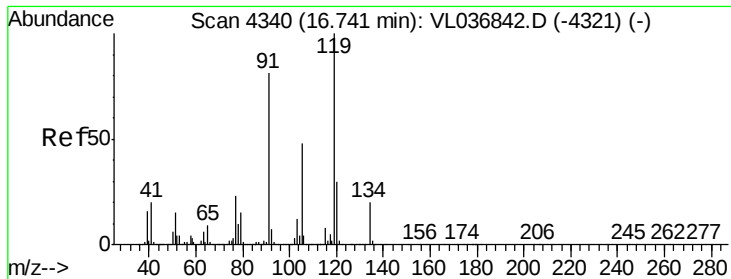
Tot Ion: 83 Resp: 3146114
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.8 14.3
 85 65.5 32.8 98.4



#64
 n-propylbenzene
 Concen: 11.549 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T.: 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

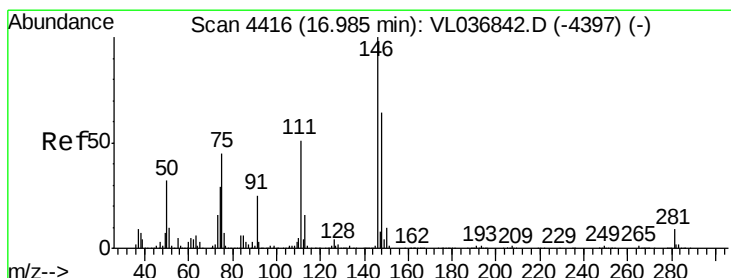
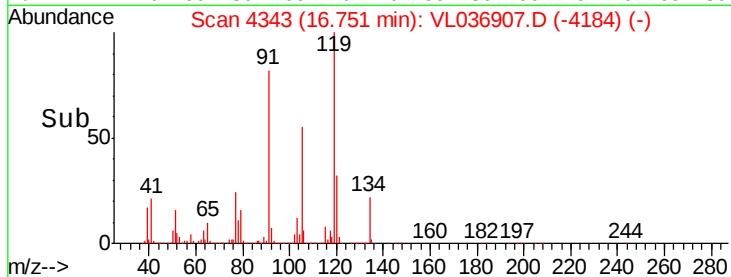
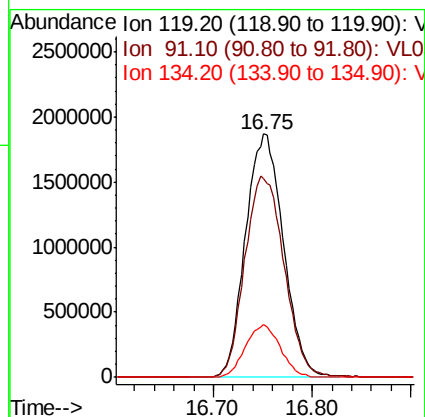
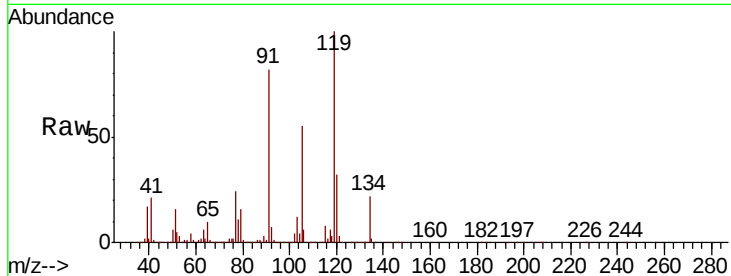
Tgt Ion:120 Resp: 1477766
 Ion Ratio Lower Upper
 120 100
 91 478.5 378.6 567.8





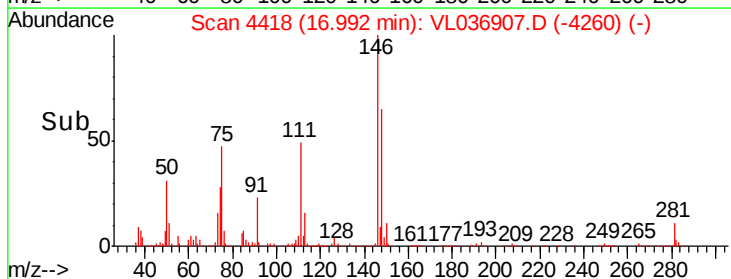
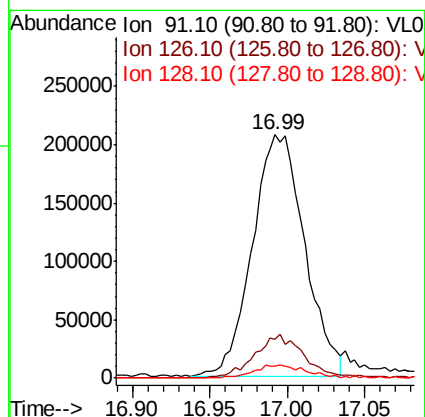
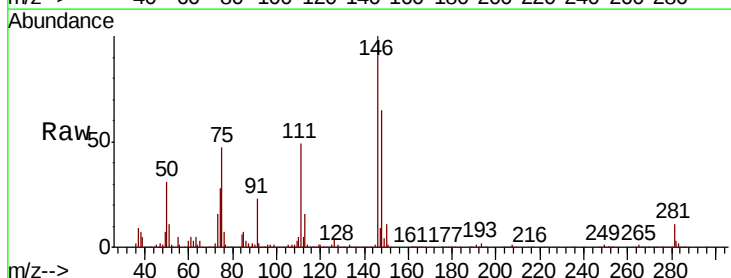
#65
tert-Butylbenzene
Concen: 10.934 ppbv
RT: 16.75 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0506ABS01
Acq: 6 May 2021 17:19

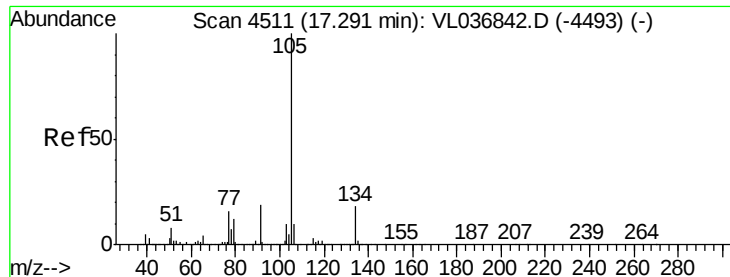
Tot Ion: 119 Resp: 4963420
Ion Ratio Lower Upper
119 100
91 85.7 67.0 100.6
134 20.1 15.8 23.6



#66
Benzyl Chloride
Concen: 10.928 ppbv
RT: 16.99 min Scan# 4418
Delta R.T.: 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

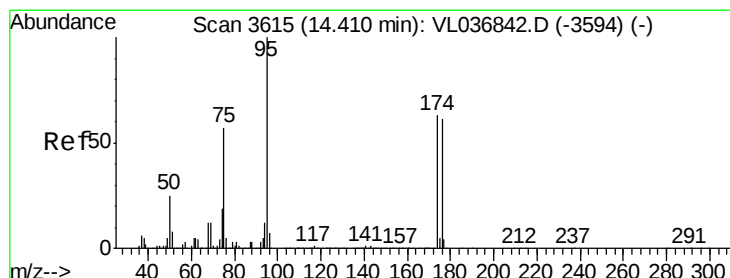
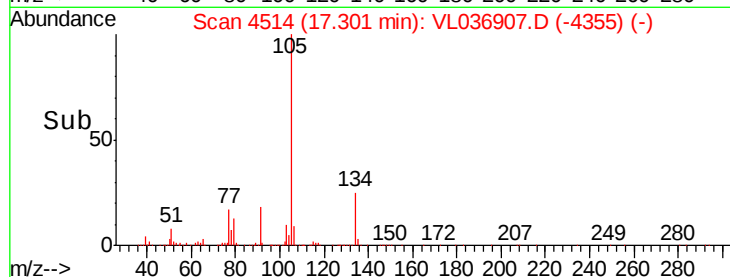
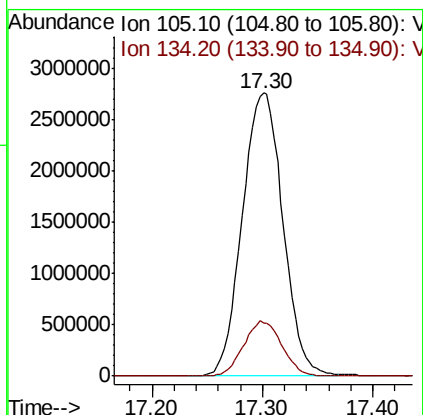
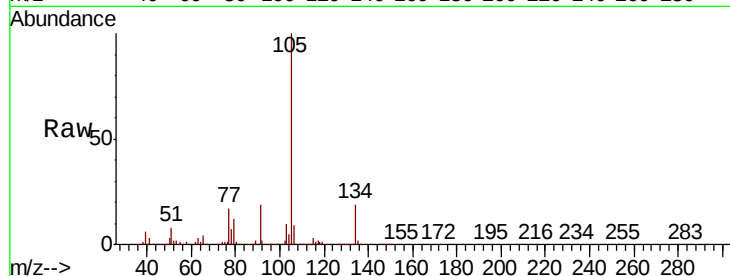
Tgt Ion: 91 Resp: 485031
Ion Ratio Lower Upper
91 100
126 17.7 14.1 21.1
128 5.5 4.8 7.2





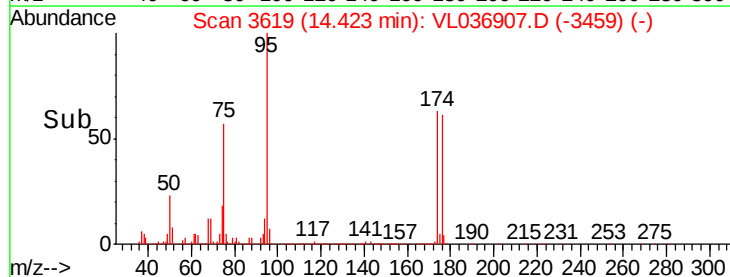
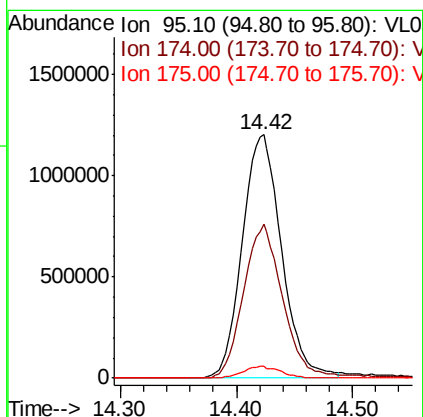
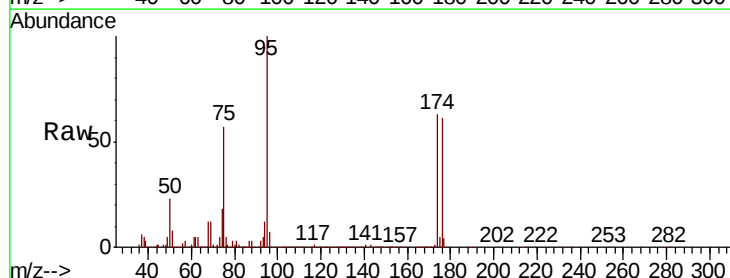
#67
 sec-Butylbenzene
 Concen: 11.154 ppbv
 RT: 17.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0506ABS01
 Acq: 6 May 2021 17:19

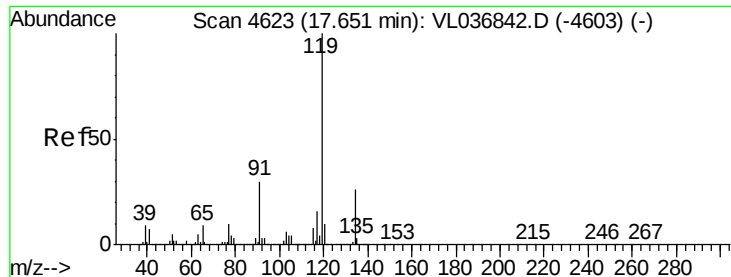
Tot Ion:105 Resp: 7031226
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.268 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion: 95 Resp: 2837795
 Ion Ratio Lower Upper
 95 100
 174 64.2 52.2 78.2
 175 4.9 4.0 6.0

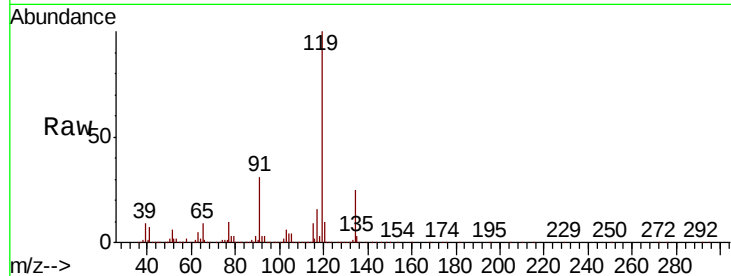




#69
 p-Isopropyltoluene
 Concen: 11.403 ppbv
 RT: 17.66 min
 Delta R.T. 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tot Ion: 119 Resp: 5762194

Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.6	31.0
91	31.2	24.2	36.4

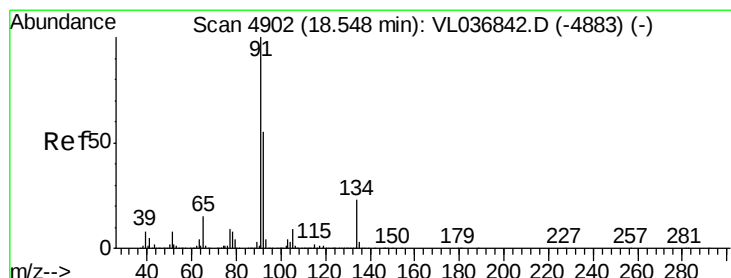
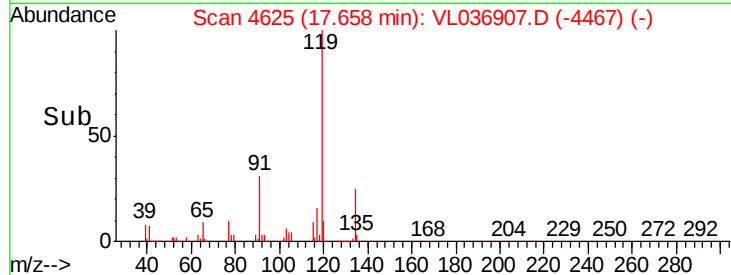
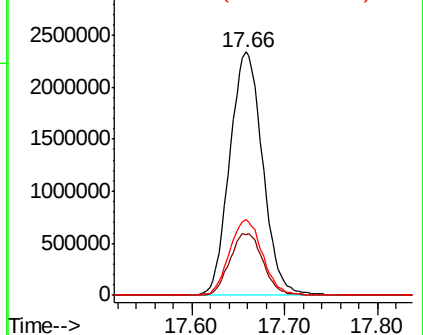


Abundance

Ion 119.10 (118.80 to 119.80): VL036842.D (-4603) (-)

Ion 134.20 (133.90 to 134.90): VL036842.D (-4603) (-)

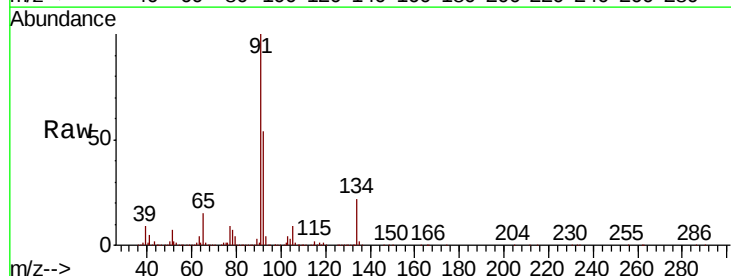
Ion 91.10 (90.80 to 91.80): VL036842.D (-4603) (-)



#70
 n-Butylbenzene
 Concen: 11.639 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion: 91 Resp: 5928220

Ion	Ratio	Lower	Upper
91	100		
92	54.4	43.5	65.3
134	22.3	18.2	27.4

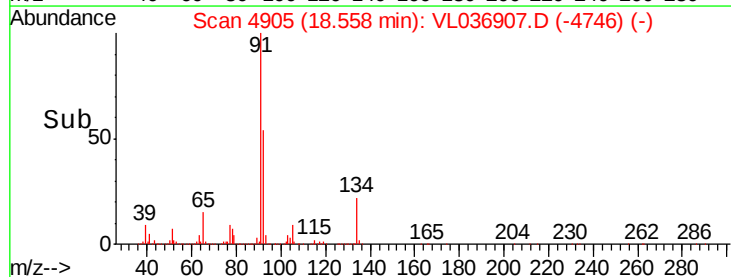
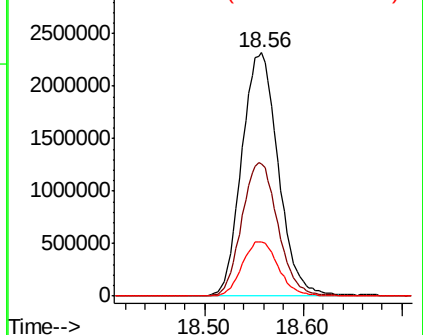


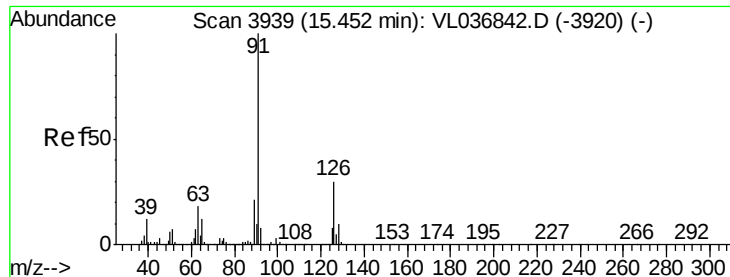
Abundance

Ion 91.10 (90.80 to 91.80): VL036842.D (-4883) (-)

Ion 92.10 (91.80 to 92.80): VL036842.D (-4883) (-)

Ion 134.20 (133.90 to 134.90): VL036842.D (-4883) (-)





#71

2-Chlorotoluene

Concen: 11.525 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

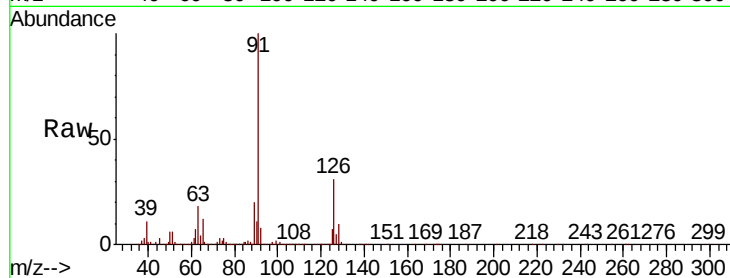
Acq: 6 May 2021 17:19

Tot Ion: 91 Resp: 4382185

Ion Ratio Lower Upper

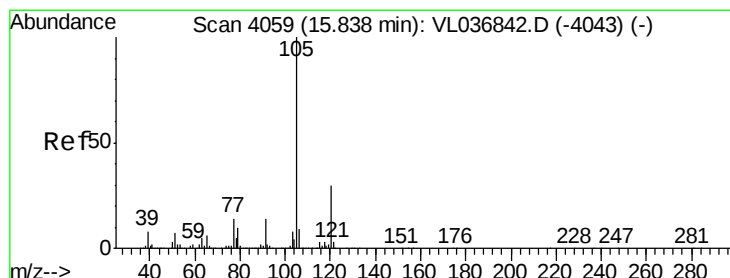
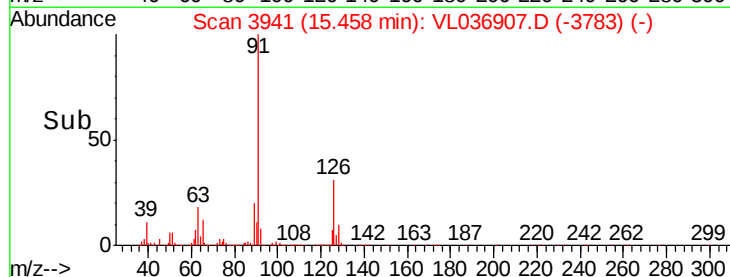
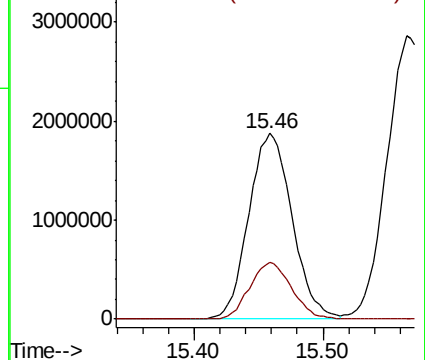
91 100

126 30.4 12.3 49.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.933 ppbv

RT: 15.84 min Scan# 4061

Delta R.T. 0.01 min

Lab File: VL036907.D

Acq: 6 May 2021 17:19

Tgt Ion:105 Resp: 4833299

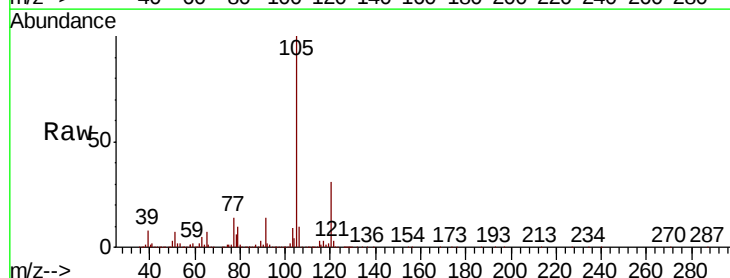
Ion Ratio Lower Upper

105 100

120 30.6 23.8 35.6

91 14.1 10.7 16.1

77 14.7 11.5 17.3

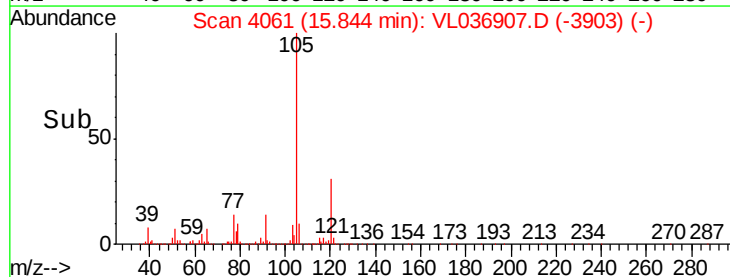
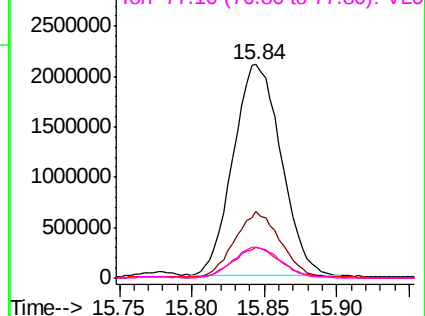


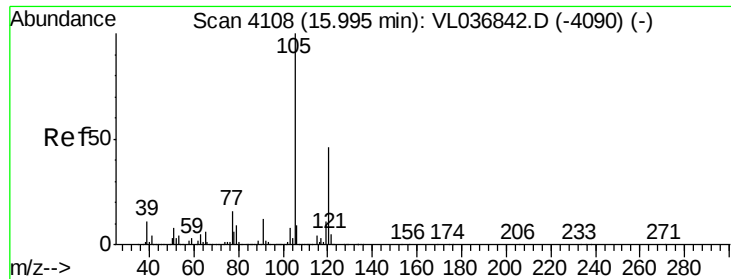
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

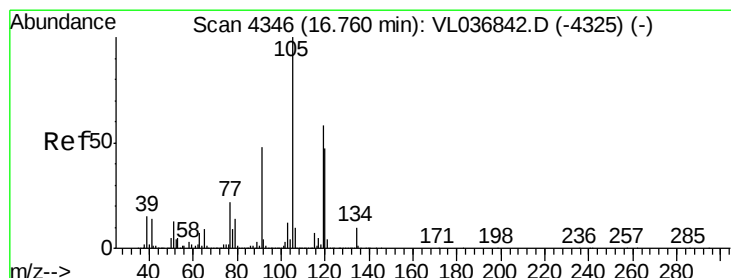
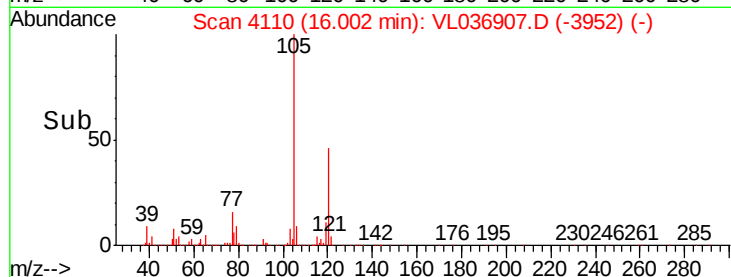
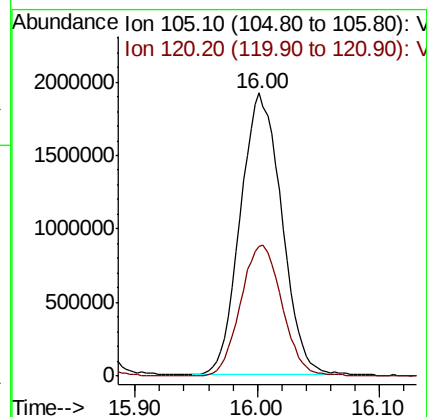
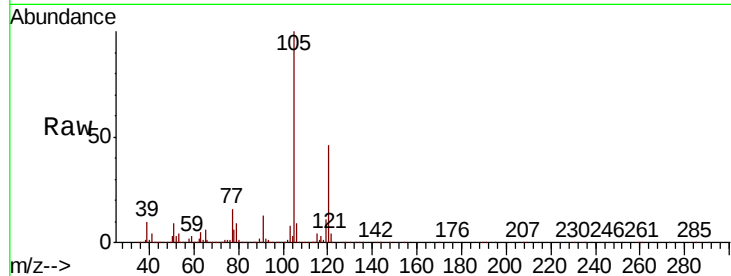
Ion 77.10 (76.80 to 77.80): VL0





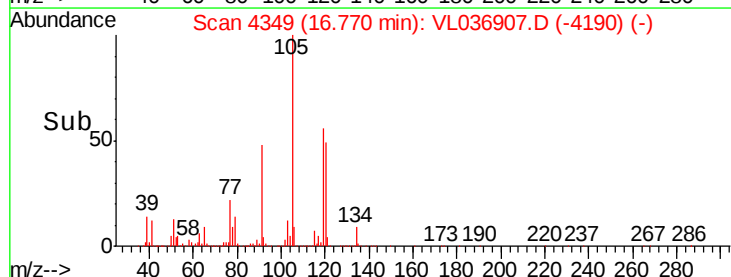
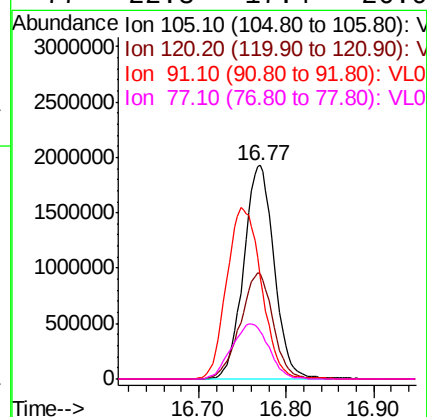
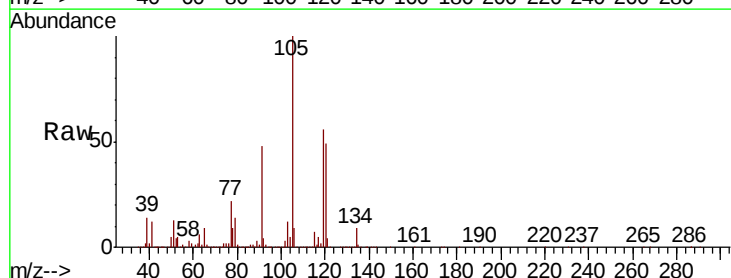
#73
 1,3,5-Trimethylbenzene
 Concen: 11.433 ppbv
 RT: 16.00
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: VL0506ABS01
 Acq: 6 May 2021 17:19

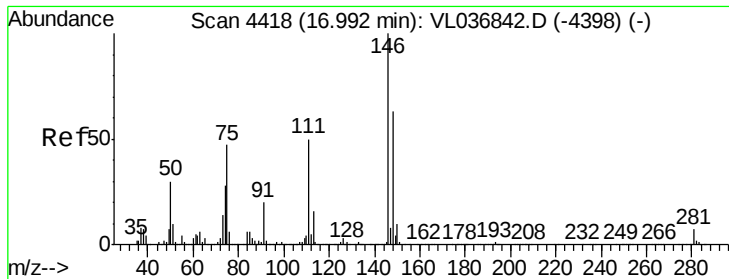
Tot Ion:105 Resp: 4490806
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.8 55.2



#74
 1,2,4-Trimethylbenzene
 Concen: 11.186 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T.: 0.01 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion:105 Resp: 4667286
 Ion Ratio Lower Upper
 105 100
 120 49.3 37.6 56.4
 91 47.5 39.0 58.4
 77 22.3 17.4 26.0

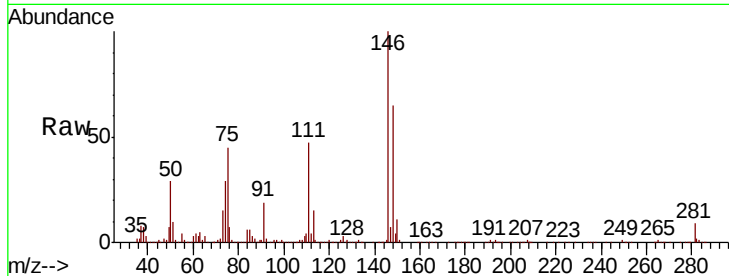




#75
 1,3-Dichlorobenzene
 Concen: 10.782 ppbv
 RT: 17.00 min
 Delta R.T. 0.00 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tot Ion:146 Resp: 2659291

Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.2	72.6
148	65.0	32.1	96.3

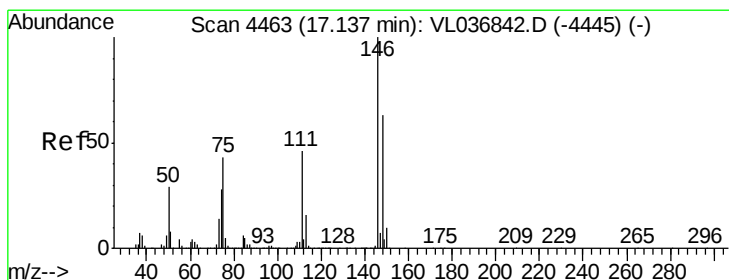
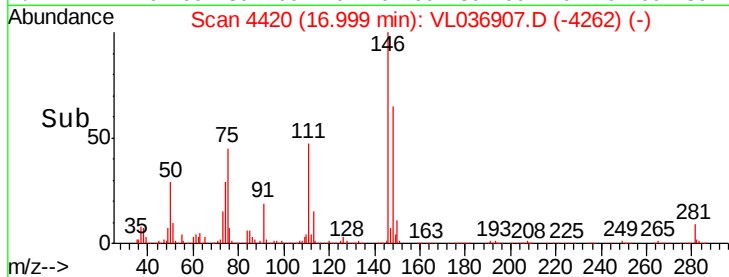
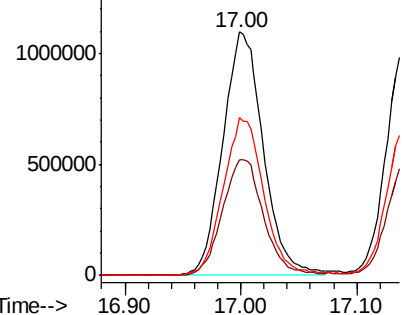


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

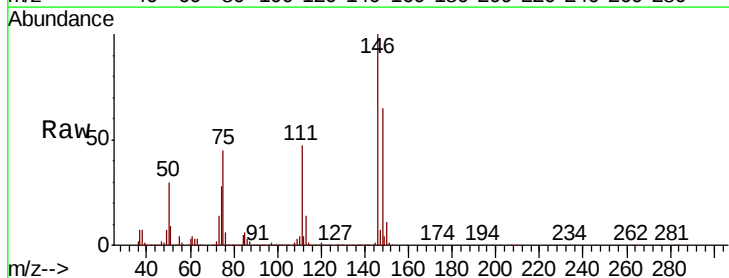
Ion 148.00 (147.70 to 148.70): V



#76
 1,4-Dichlorobenzene
 Concen: 10.845 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.00 min
 Lab File: VL036907.D
 Acq: 6 May 2021 17:19

Tgt Ion:146 Resp: 2617761

Ion	Ratio	Lower	Upper
146	100		
111	46.2	24.3	72.8
148	64.7	32.4	97.0

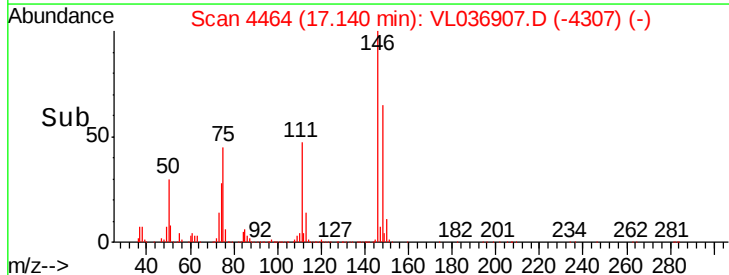
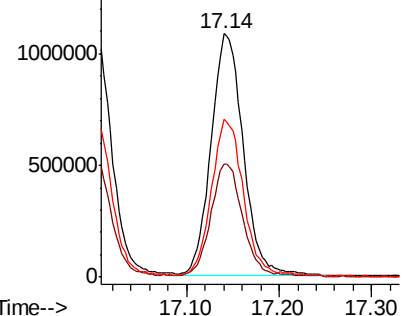


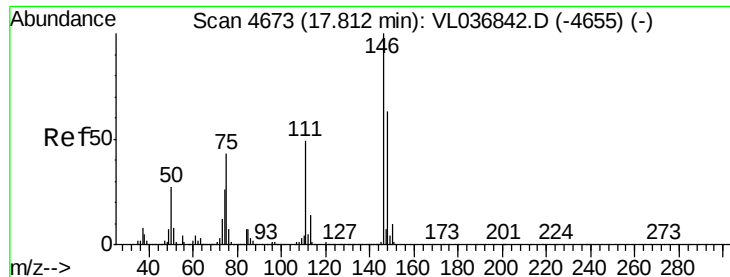
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 10.591 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 6 May 2021 17:19

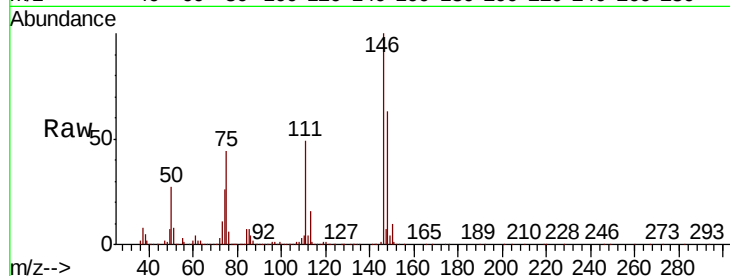
Tot Ion:146 Resp: 2551444

Ion Ratio Lower Upper

146 100

111 49.8 25.0 75.0

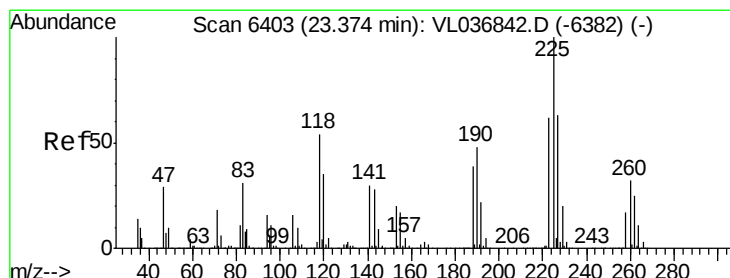
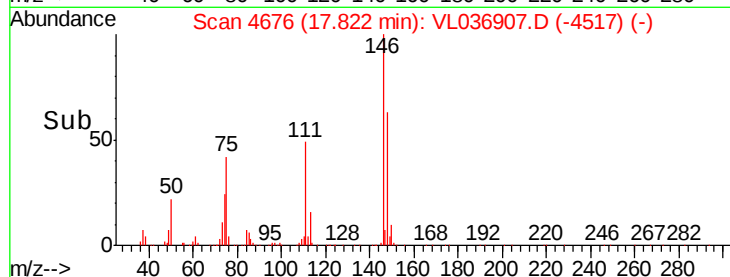
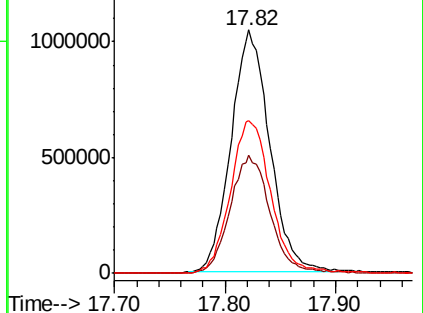
148 65.8 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.890 ppbv

RT: 23.38 min Scan# 6405

Delta R.T. 0.01 min

Lab File: VL036907.D

Acq: 6 May 2021 17:19

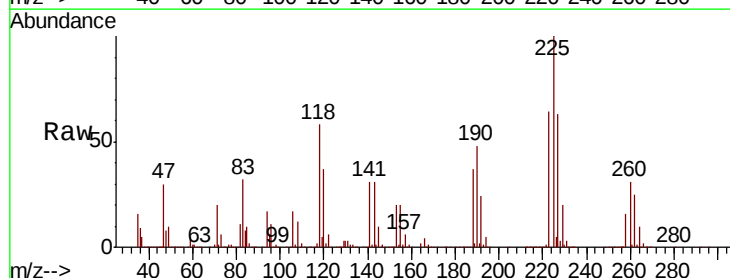
Tgt Ion:225 Resp: 1819815

Ion Ratio Lower Upper

225 100

223 63.7 51.2 76.8

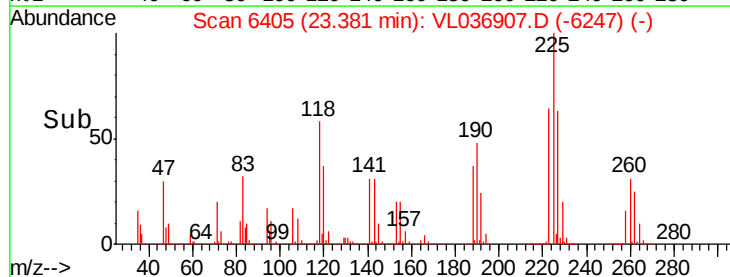
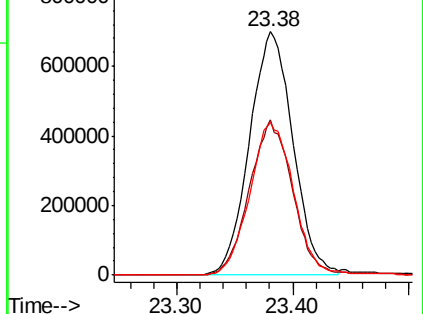
227 63.8 51.8 77.6

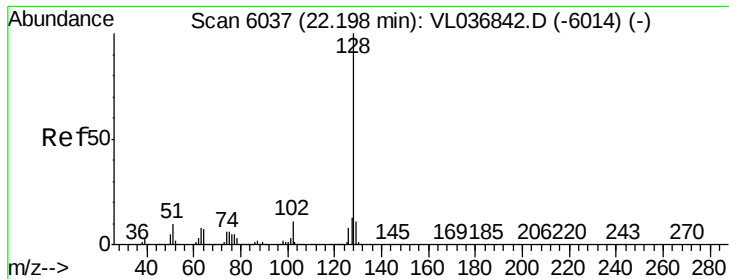


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

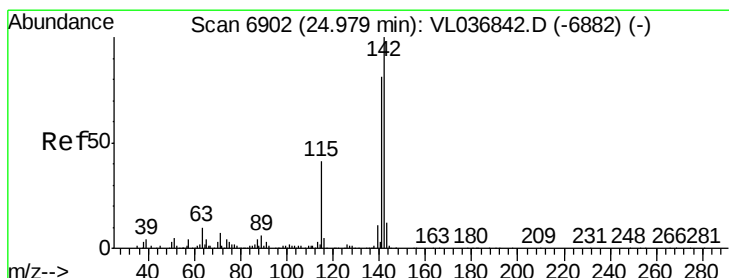
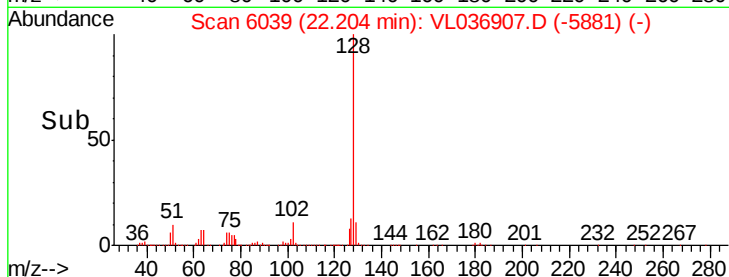
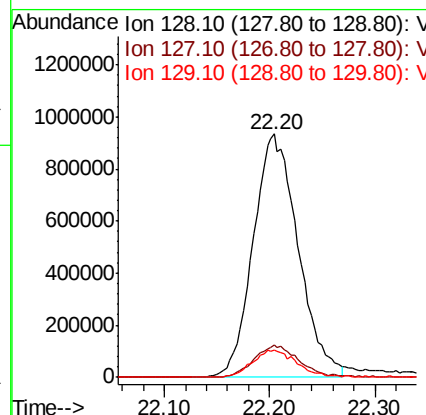
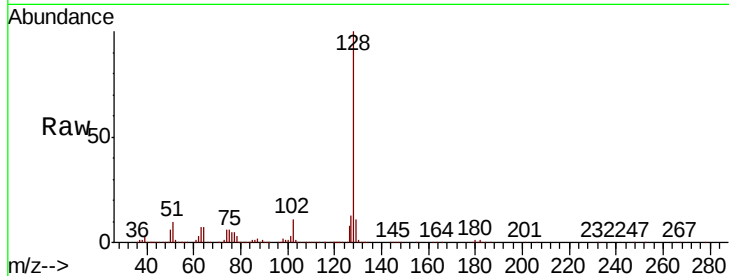
Ion 226.90 (226.60 to 227.60): V





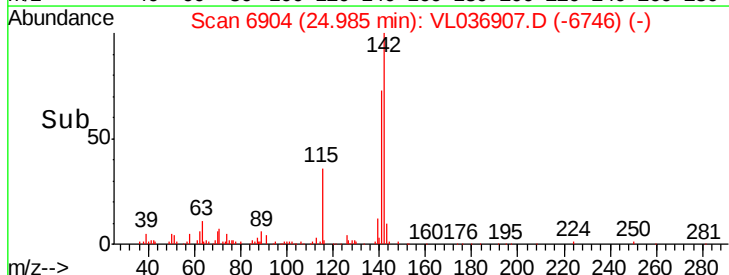
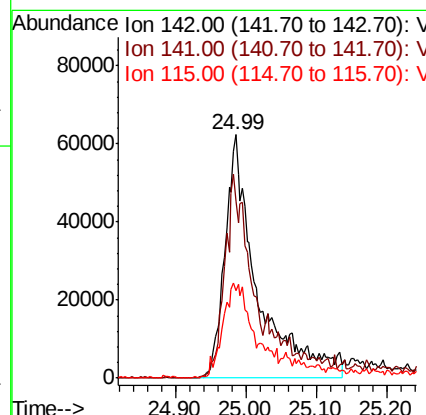
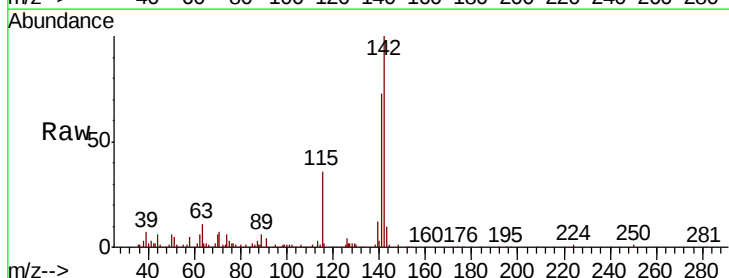
#79
Naphthalene
Concen: 11.840 ppbv
RT: 22.20
Instrument: MSVOA_1
Delta R.T.:
Client SampleId:
Lab File: VL0506ABS01
Acq: 6 May 2021 17:19

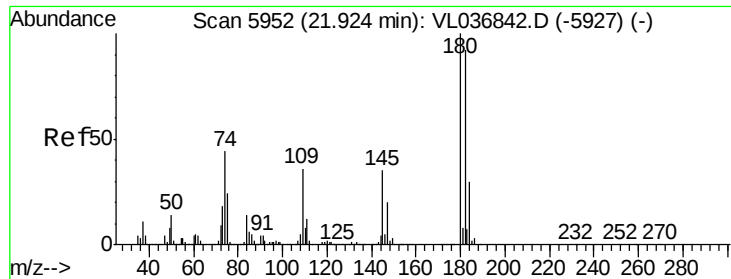
Tot Ion:128 Resp: 2766667
Ion Ratio Lower Upper
128 100
127 13.3 10.6 15.8
129 11.0 9.0 13.4



#80
Naphthalene, 2-methyl-
Concen: 7.815 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. 0.01 min
Lab File: VL036907.D
Acq: 6 May 2021 17:19

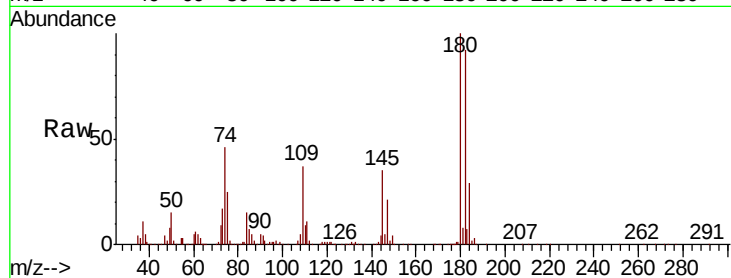
Tgt Ion:142 Resp: 201390
Ion Ratio Lower Upper
142 100
141 78.6 62.6 93.8
115 44.4 32.0 48.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.867 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0506ABS01
 Acq: 6 May 2021 17:19

Tot Ion:	180	Resp:	1642623
Ion	Ratio	Lower	Upper
180	100		
182	99.7	80.9	121.3
184	31.7	25.3	37.9



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

