

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
 Data File : VL038024.D
 Acq On : 16 Nov 2021 2:28
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 16 03:19:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 16 03:19:45 2021
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	901320	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3252355	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3182496	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2203193	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	349055	2.577	ppbv 97
3) Chlorodifluoromethane	2.99	51	467887	2.615	ppbv 99
4) Chloromethane	3.15	50	160769	2.386	ppbv 95
5) Vinyl Chloride	3.26	62	150772	2.352	ppbv 96
6) Bromomethane	3.48	94	84082	2.426	ppbv 95
7) Chloroethane	3.56	64	52916	2.273	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	384317	2.500	ppbv 99
9) Propene	3.01	41	176119	2.701	ppbv 97
10) Heptane	8.12	43	444172	2.955	ppbv 99
11) Trichlorofluoromethane	3.95	101	363769	2.705	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	277827	2.646	ppbv 98
13) Ethanol	3.63	45	22823	3.602	ppbv 79
14) Bromoethene	3.74	108	107648	2.385	ppbv 95
15) Acetone	3.86	43	190503	2.411	ppbv 93
16) 1,3-Butadiene	3.33	39	161672	2.607	ppbv 99
17) tert-Butyl alcohol	4.31	59	257190	2.858	ppbv 98
18) 1,1-Dichloroethene	4.29	96	120188	2.474	ppbv 85
19) Isopropyl Alcohol	3.99	45	88010	1.694	ppbv # 38
20) Methylene Chloride	4.35	84	115485	2.664	ppbv 99
21) Allyl Chloride	4.41	41	213348	2.855	ppbv 97
22) trans-1,2-Dichloroethene	4.88	96	124118	2.539	ppbv 97
23) Vinyl Acetate	5.08	43	376620	3.049	ppbv # 95
24) 1,1-Dichloroethane	5.01	63	272244	2.716	ppbv 99
25) Ethyl Acetate	5.68	43	558956	2.497	ppbv # 97
26) Hexane	5.69	57	273551	2.566	ppbv 99
27) Carbon Disulfide	4.55	76	332626	2.949	ppbv 95
28) Methyl tert-Butyl Ether	5.04	73	318242	3.161	ppbv 99
29) Chloroform	5.75	83	401717	2.458	ppbv 100
30) Cyclohexane	7.13	84	287704	2.959	ppbv 90
31) cis-1,2-Dichloroethene	5.55	61	202816	2.118	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	464485	2.845	ppbv 99
34) 2-Butanone	5.25	43	221295	1.895	ppbv 99
35) Carbon Tetrachloride	7.01	117	467498	2.346	ppbv 98
36) Benzene	6.89	78	671041	2.499	ppbv 98
37) 1,2-Dichloroethane	6.30	62	311695	2.430	ppbv 99
38) Trichloroethene	7.83	130	246651	2.243	ppbv 95
39) 1,2-Dichloropropane	7.61	63	255667	2.499	ppbv 97
40) 1,4-Dioxane	7.85	88	60060	2.282	ppbv # 100
41) Tetrahydrofuran	6.07	42	157954	2.575	ppbv 98
42) Bromodichloromethane	7.79	83	502939	2.578	ppbv 98
43) Methyl Methacrylate	8.01	69	240152	2.694	ppbv 99

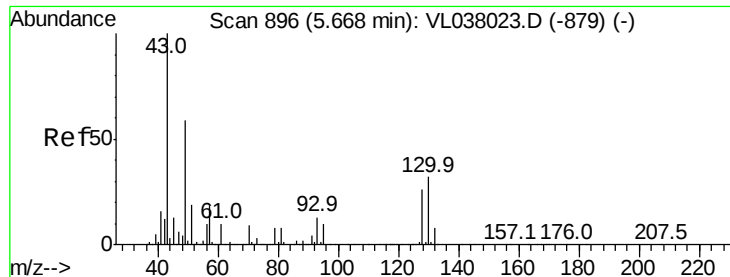
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111621\
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Quant Time: Nov 16 03:19:45 2021
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 16 03:19:45 2021
 QLast Update : Tue Nov 16 03:19:45 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1172574	2.579	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	187435	2.770	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	263761	2.896	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	259445	2.294	ppbv	97
48) Dibromochloromethane	10.30	129	442646	2.732	ppbv	99
49) Bromoform	13.03	173	347868	2.733	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	403257	2.503	ppbv	98
51) 2-Hexanone	10.14	43	90850	1.306	ppbv #	11
52) Tetrachloroethene	11.22	164	237646	2.360	ppbv	97
53) Toluene	9.80	91	779467	2.704	ppbv	99
54) 1,2-Dibromoethane	10.61	107	374657	2.553	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	302114	2.359	ppbv #	1
57) Chlorobenzene	12.14	112	567767	2.257	ppbv	96
58) Ethyl Benzene	12.70	91	1046632	2.677	ppbv	97
59) m/p-Xylene	12.99	91	775033	2.258	ppbv #	18
60) o-Xylene	13.68	91	813901	2.520	ppbv	100
61) Styrene	13.52	104	446330	2.933	ppbv	98
62) Isopropylbenzene	14.66	105	1164388	2.522	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	572182	2.059	ppbv	100
64) n-propylbenzene	15.55	120	305513	2.602	ppbv	97
65) tert-Butylbenzene	16.73	119	1050164	2.592	ppbv	100
66) Benzyl Chloride	16.98	91	41303	1.874	ppbv #	63
67) sec-Butylbenzene	17.28	105	1467623	2.629	ppbv	99
69) p-Isopropyltoluene	17.64	119	1173676	2.626	ppbv	99
70) n-Butylbenzene	18.54	91	1101726	2.685	ppbv	99
71) 2-Chlorotoluene	15.44	91	838649	2.604	ppbv	98
72) 4-Ethyltoluene	15.83	105	977234	2.613	ppbv	100
73) 1,3,5-Trimethylbenzene	15.99	105	881727	2.539	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	918375	2.537	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	489815	2.182	ppbv	96
76) 1,4-Dichlorobenzene	17.13	146	473609	2.175	ppbv	95
77) 1,2-Dichlorobenzene	17.81	146	473034	2.246	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	323429	1.859	ppbv	99
79) Naphthalene	22.18	128	305664	1.533	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	113748	3.314	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	286658	2.211	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 2:28

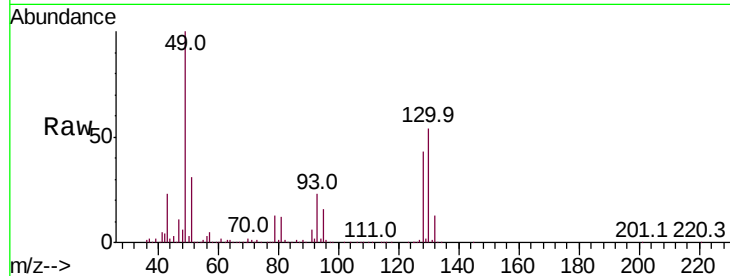
Tot Ion: 49 Resp: 901320

Ion Ratio Lower Upper

49 100

128 48.4 23.4 70.2

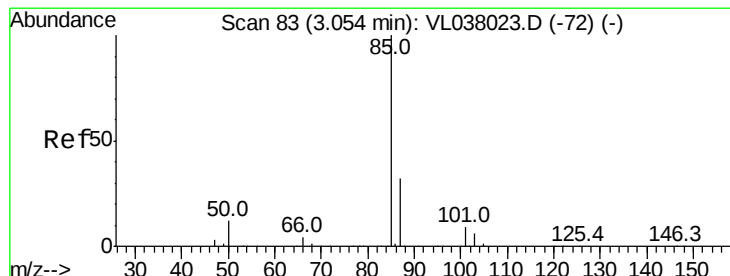
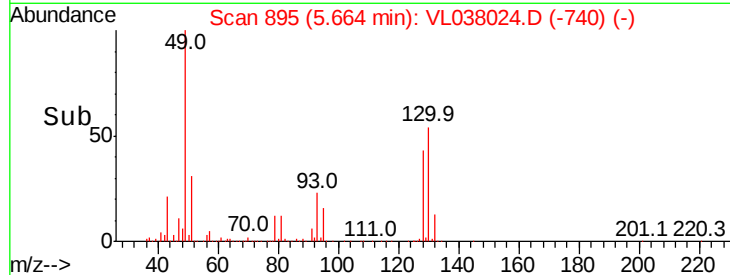
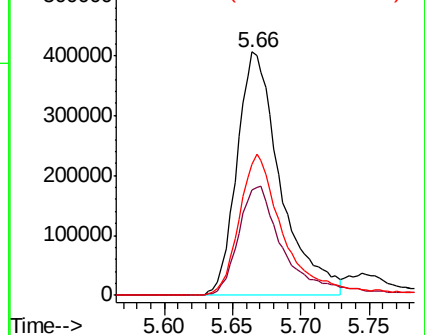
130 62.6 29.1 87.3



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: 2.577 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038024.D

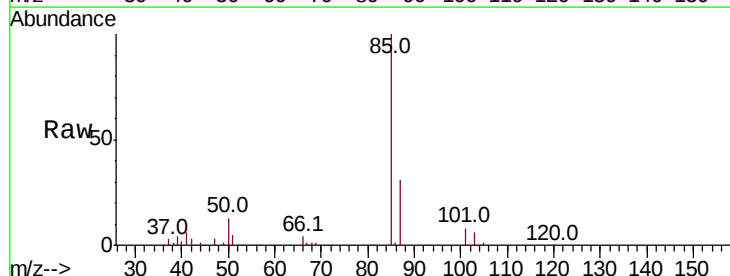
Acq: 16 Nov 2021 2:28

Tgt Ion: 85 Resp: 349055

Ion Ratio Lower Upper

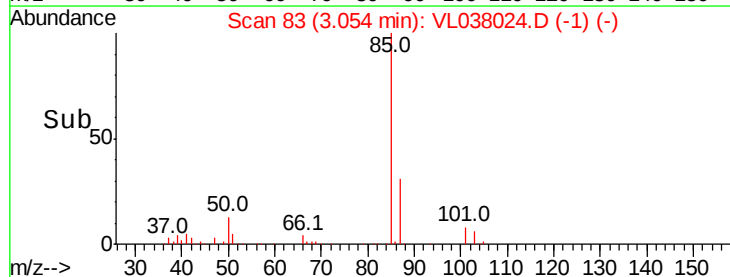
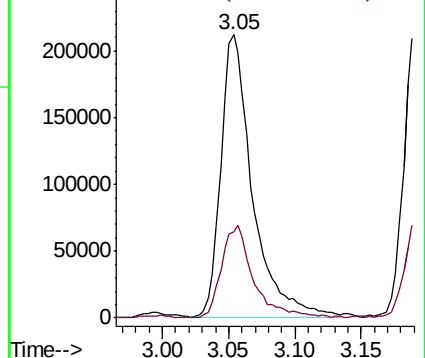
85 100

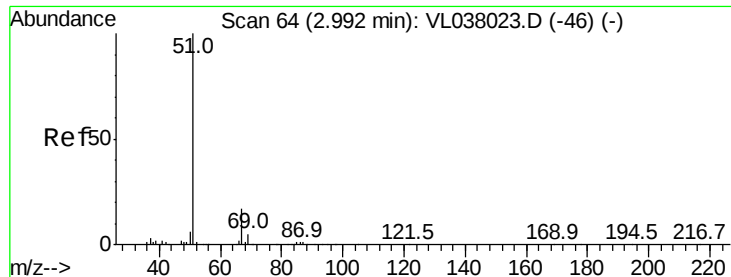
87 30.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.615 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

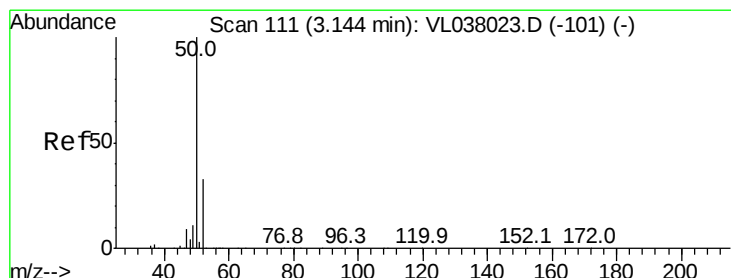
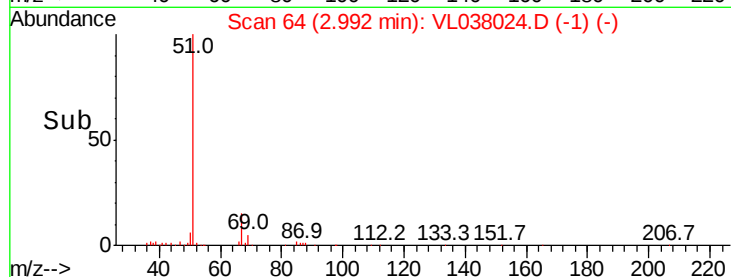
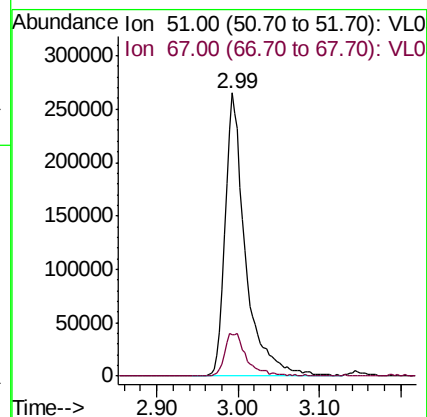
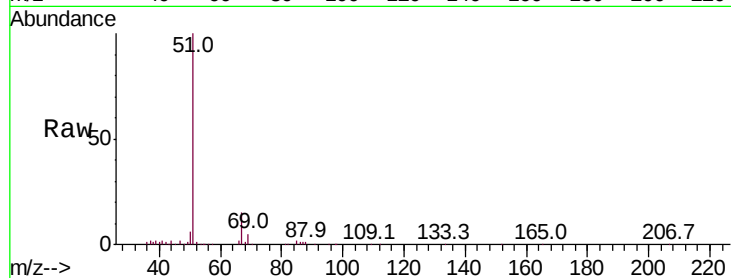
Acq: 16 Nov 2021 2:28

Tot Ion: 51 Resp: 467887

Ion Ratio Lower Upper

51 100

67 16.4 13.5 20.3



#4

Chloromethane

Concen: 2.386 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038024.D

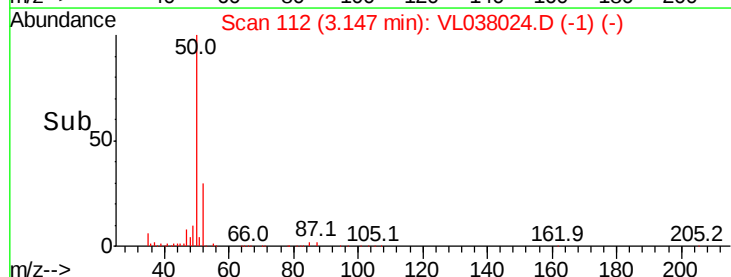
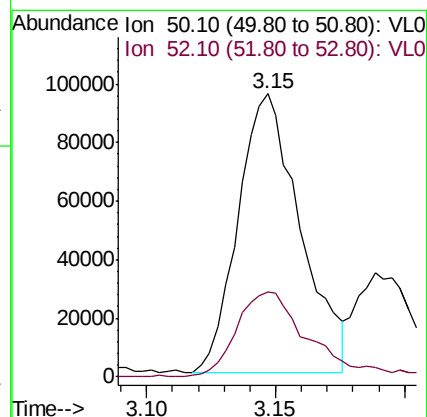
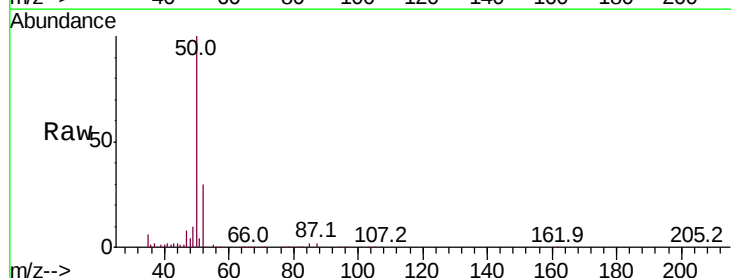
Acq: 16 Nov 2021 2:28

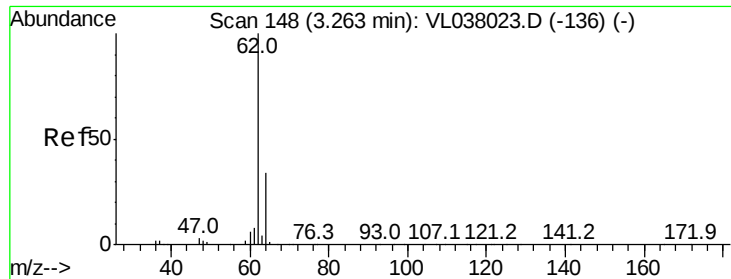
Tgt Ion: 50 Resp: 160769

Ion Ratio Lower Upper

50 100

52 30.0 26.4 39.6





#5

Vinyl Chloride

Concen: 2.352 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

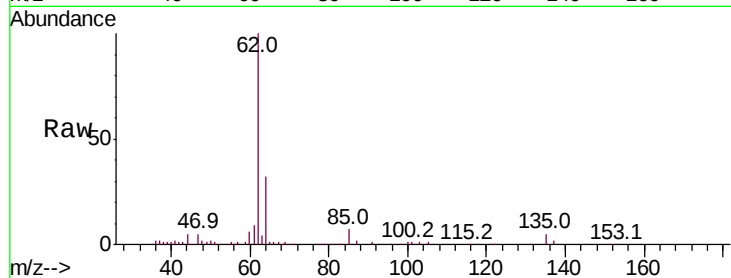
Acq: 16 Nov 2021 2:28

Tot Ion: 62 Resp: 150772

Ion Ratio Lower Upper

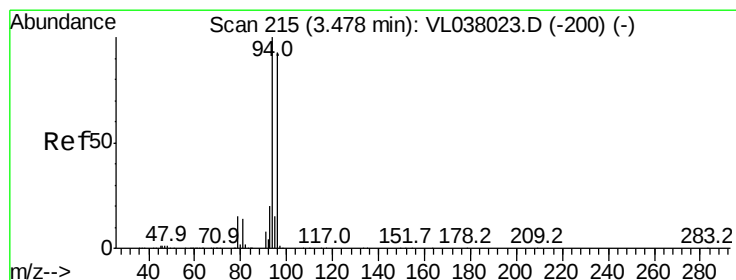
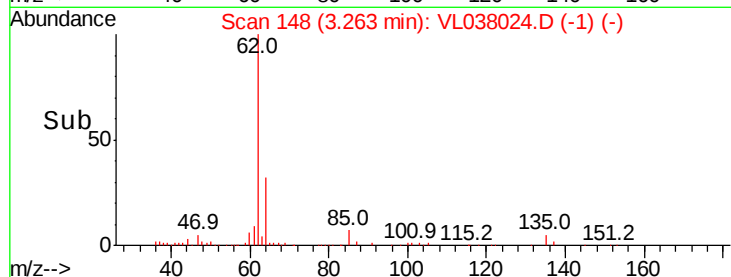
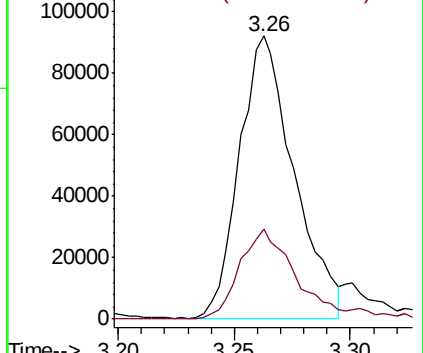
62 100

64 31.7 27.4 41.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.426 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL038024.D

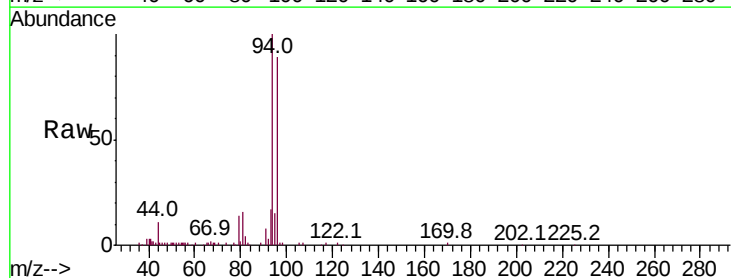
Acq: 16 Nov 2021 2:28

Tgt Ion: 94 Resp: 84082

Ion Ratio Lower Upper

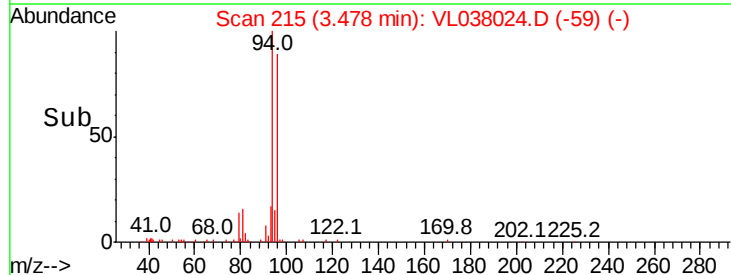
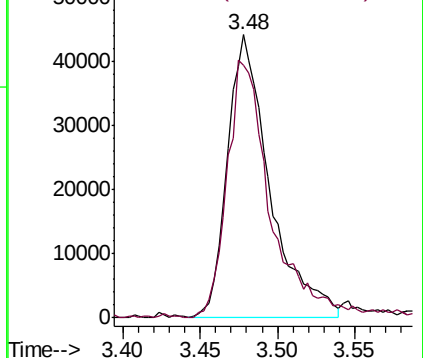
94 100

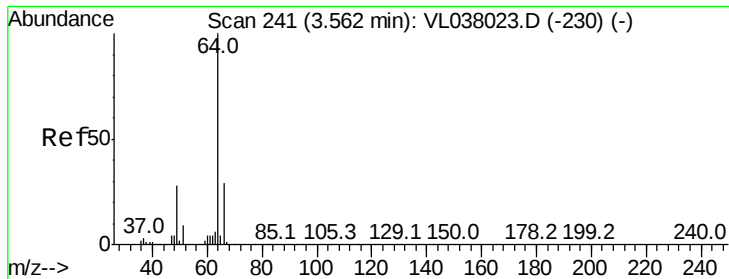
96 89.1 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.273 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

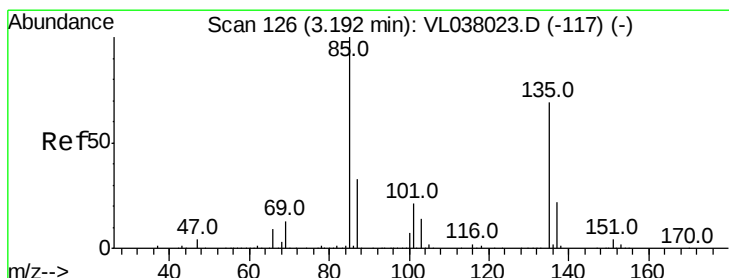
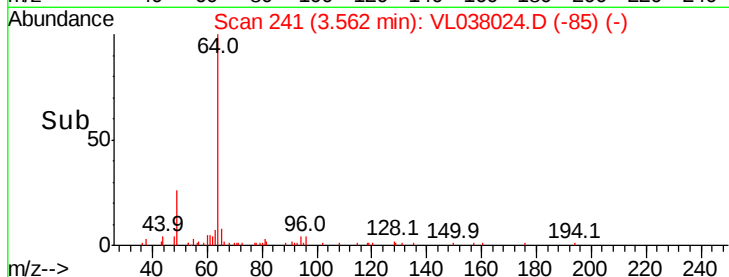
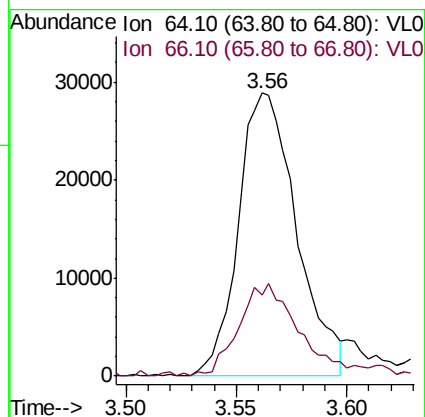
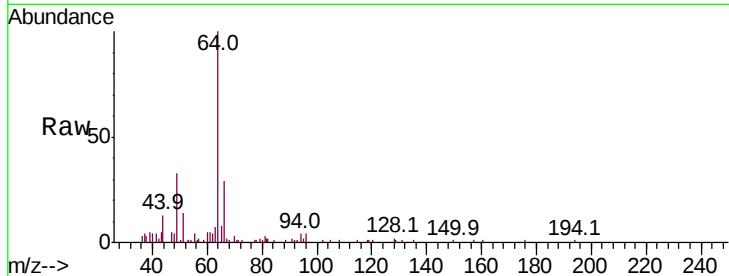
Acq: 16 Nov 2021 2:28

Tot Ion: 64 Resp: 52916

Ion Ratio Lower Upper

64 100

66 28.5 23.1 34.7



#8

Dichlorotetrafluoroethane

Concen: 2.500 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038024.D

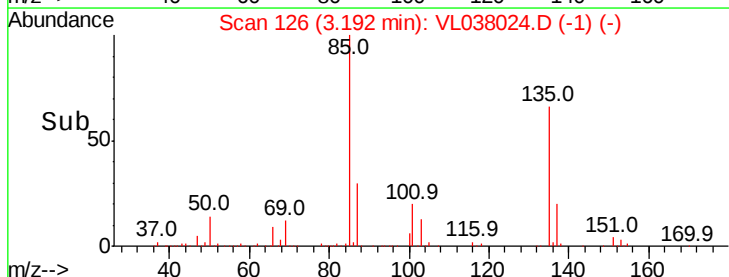
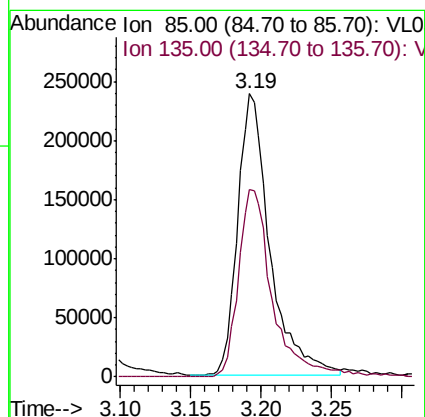
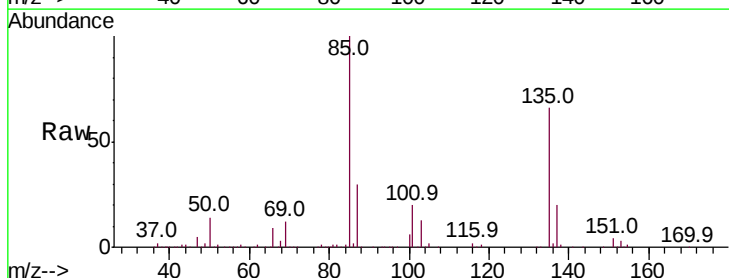
Acq: 16 Nov 2021 2:28

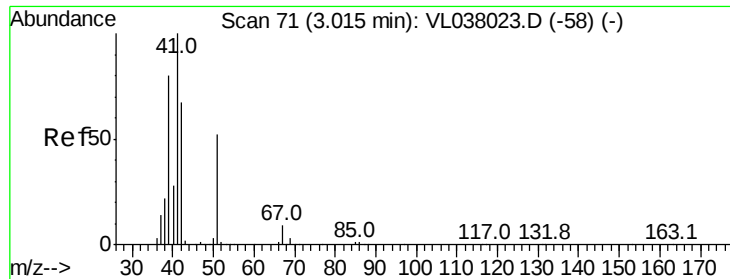
Tgt Ion: 85 Resp: 384317

Ion Ratio Lower Upper

85 100

135 70.9 57.0 85.6





#9

Propene

Concen: 2.701 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

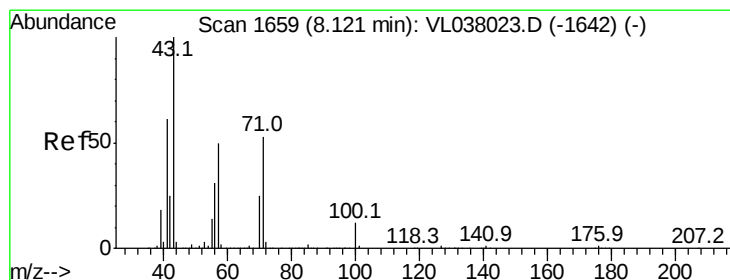
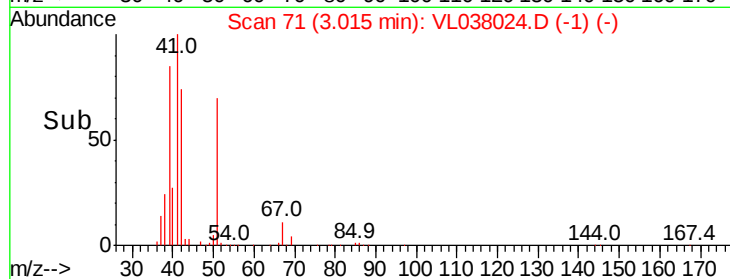
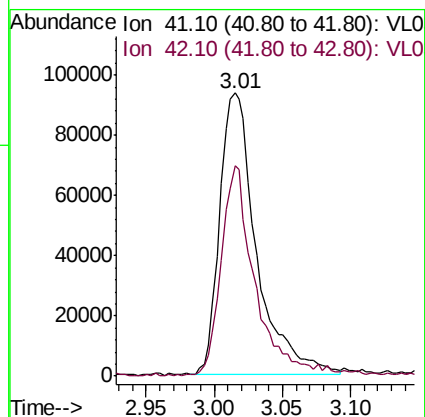
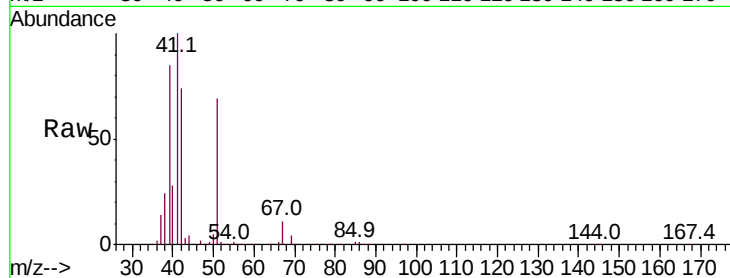
Acq: 16 Nov 2021 2:28

Tot Ion: 41 Resp: 176119

Ion Ratio Lower Upper

41 100

42 71.8 55.4 83.0



#10

Heptane

Concen: 2.955 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VL038024.D

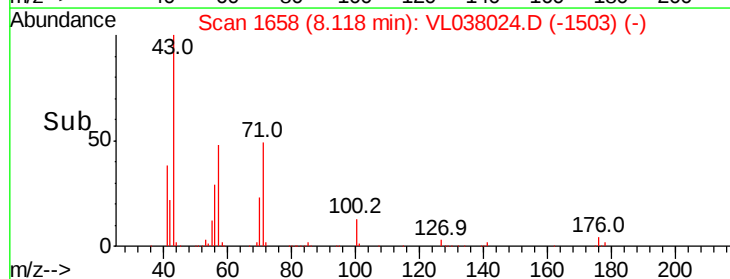
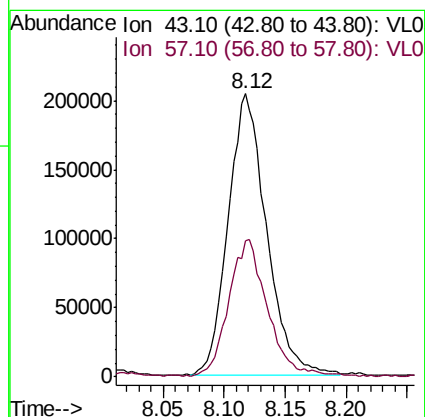
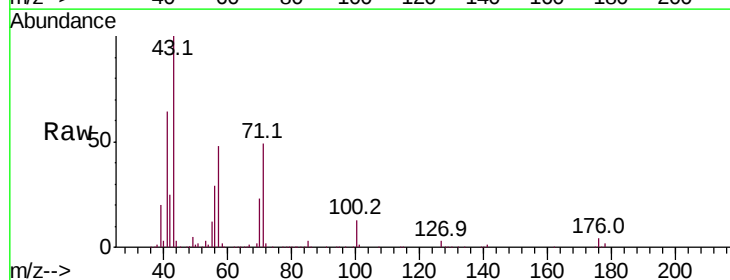
Acq: 16 Nov 2021 2:28

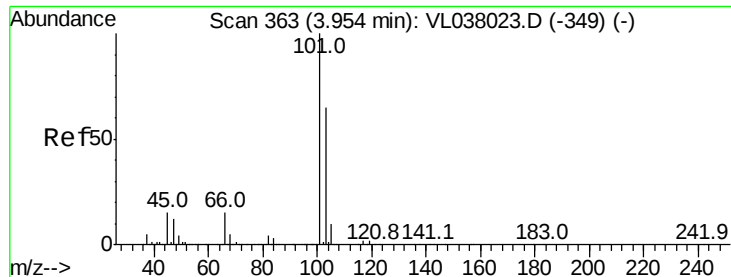
Tgt Ion: 43 Resp: 444172

Ion Ratio Lower Upper

43 100

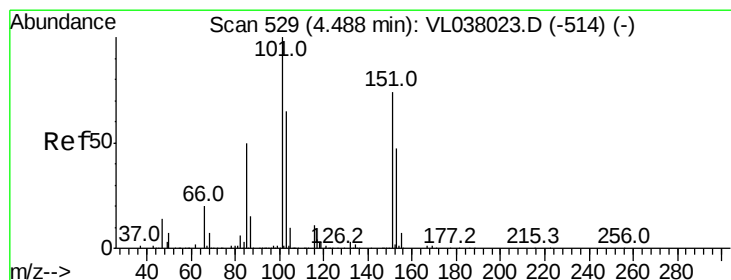
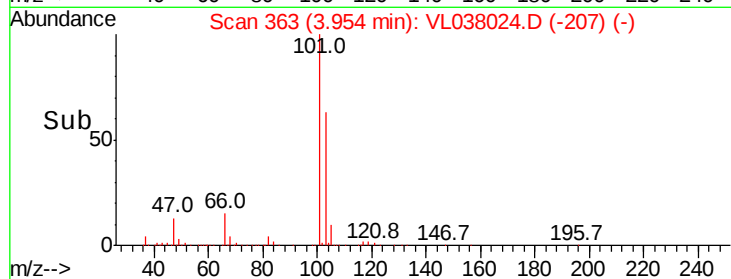
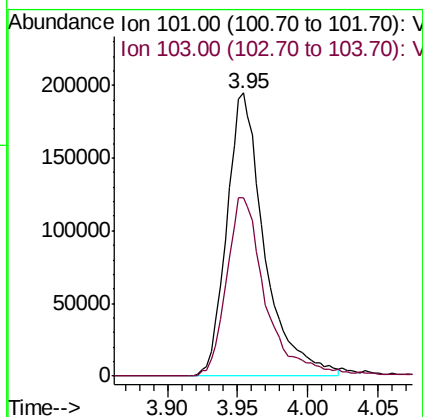
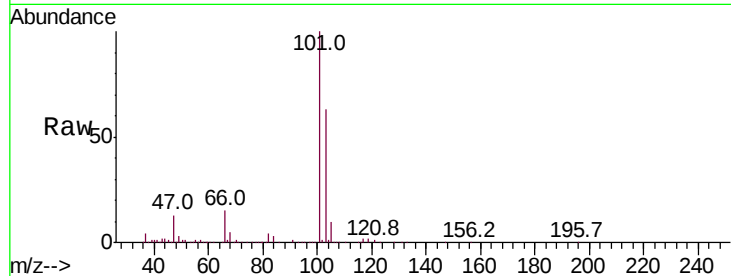
57 48.9 39.9 59.9





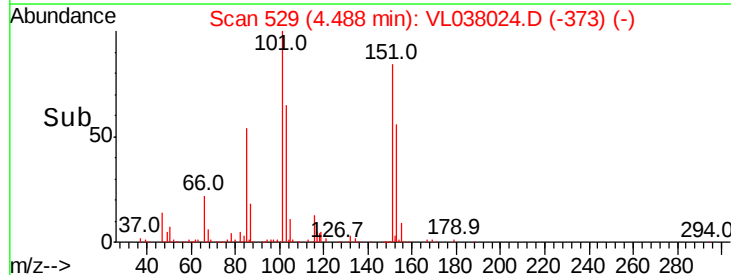
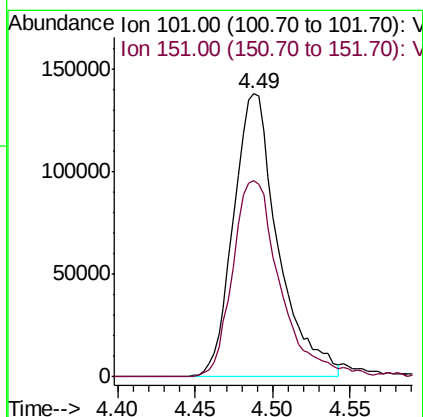
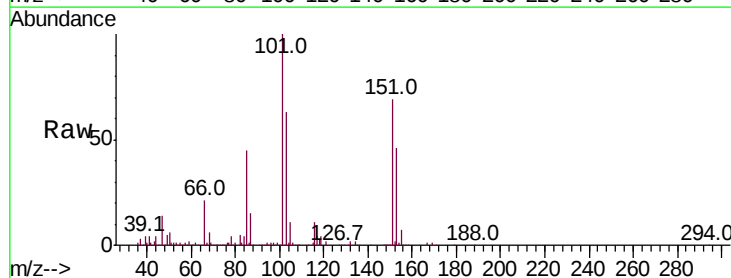
#11
 Trichlorofluoromethane
 Concen: 2.705 ppbv
 RT: 3.95 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

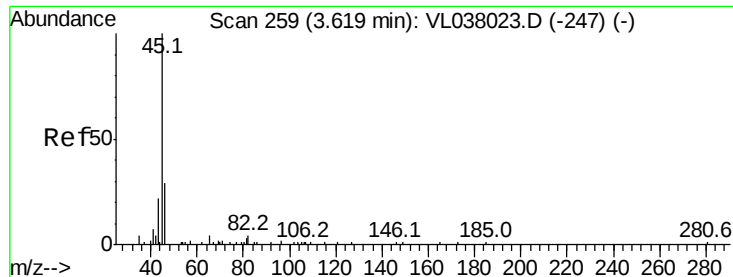
Tot Ion:101 Resp: 363769
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.3 78.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.646 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

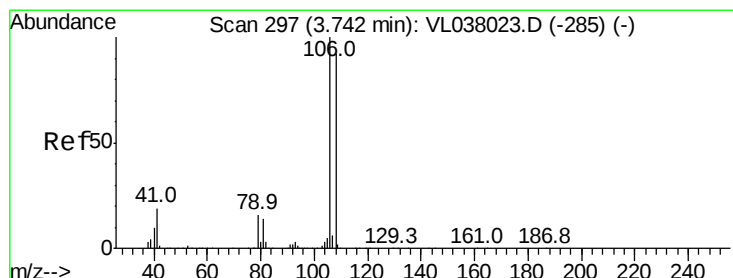
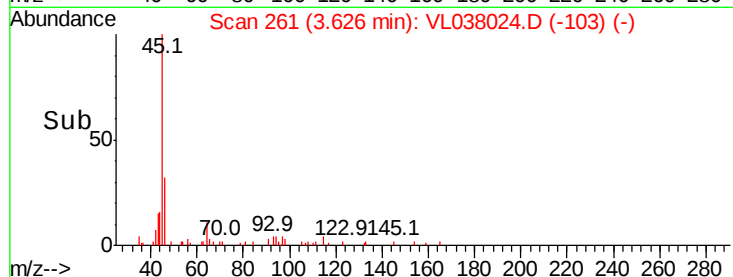
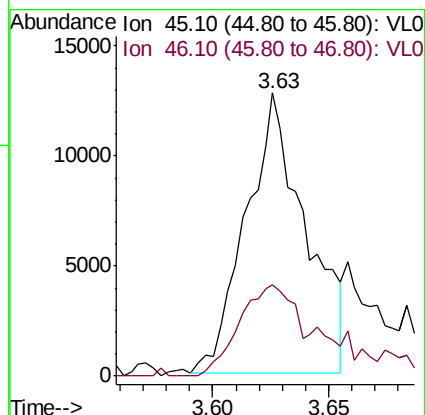
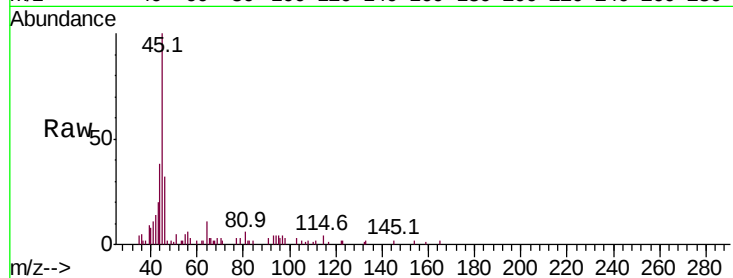
Tgt Ion:101 Resp: 277827
 Ion Ratio Lower Upper
 101 100
 151 74.5 57.9 86.9





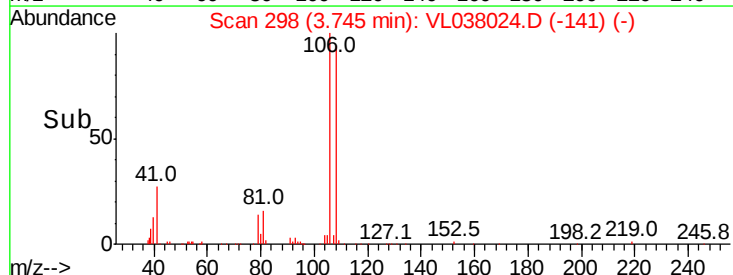
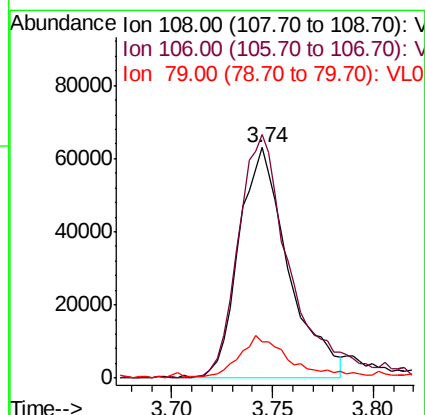
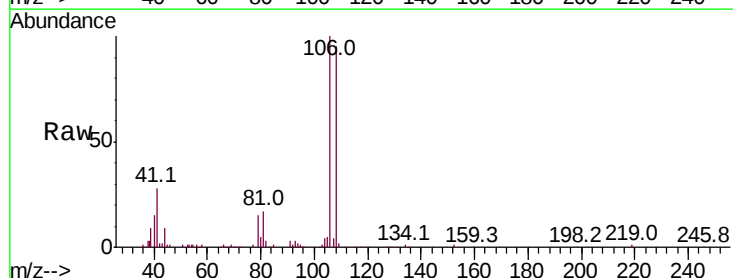
#13
Ethanol
Concen: 3.602 ppbv
RT: 3.63
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 16 Nov 2021 2:28

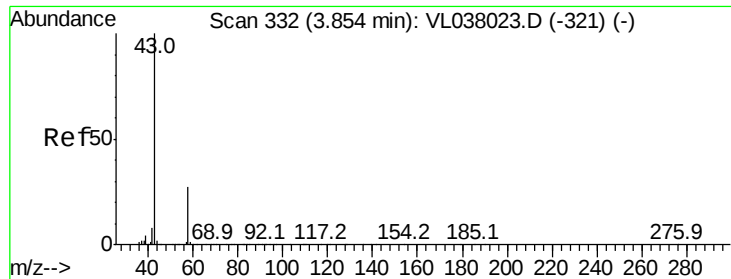
Tot Ion: 45 Resp: 22823
Ion Ratio Lower Upper
45 100
46 51.5 15.5 61.9



#14
Bromoethene
Concen: 2.385 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 108 Resp: 107648
Ion Ratio Lower Upper
108 100
106 118.3 90.4 135.6
79 19.5 14.1 21.1





#15

Acetone

Concen: 2.411 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

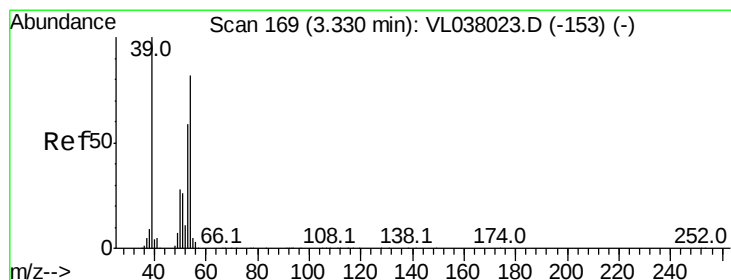
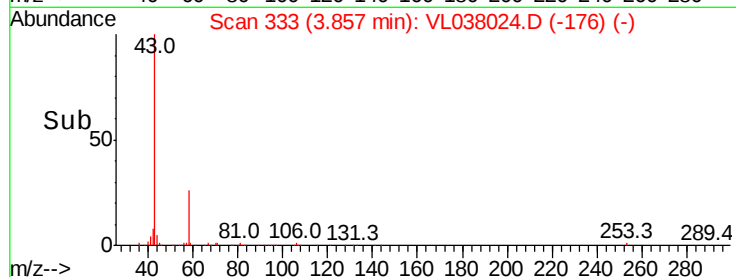
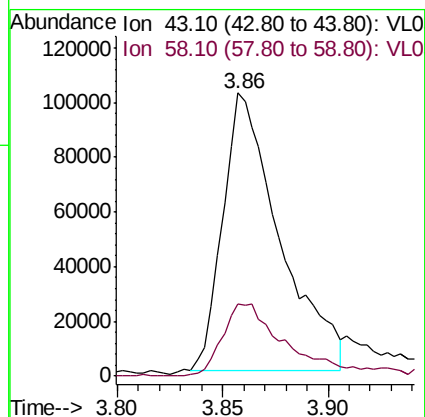
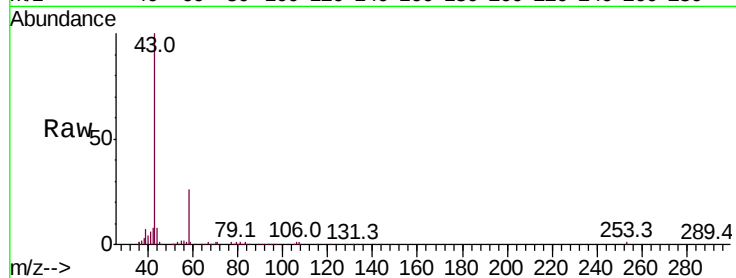
Acq: 16 Nov 2021 2:28

Tot Ion: 43 Resp: 190503

Ion Ratio Lower Upper

43 100

58 31.8 22.6 33.8



#16

1,3-Butadiene

Concen: 2.607 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL038024.D

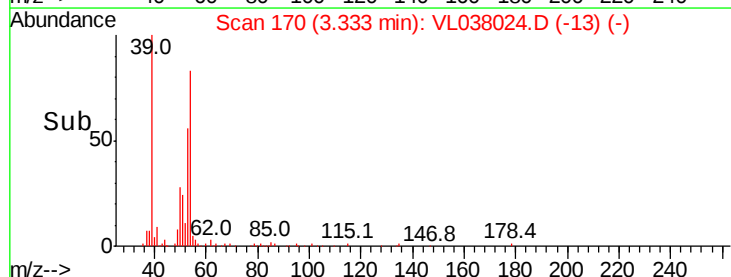
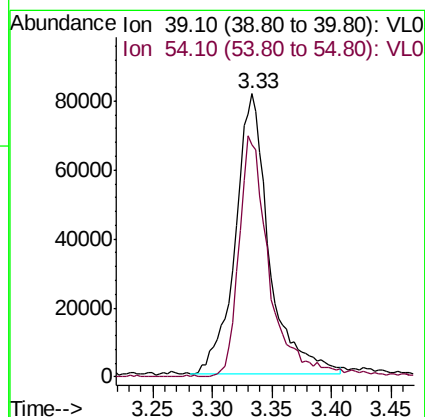
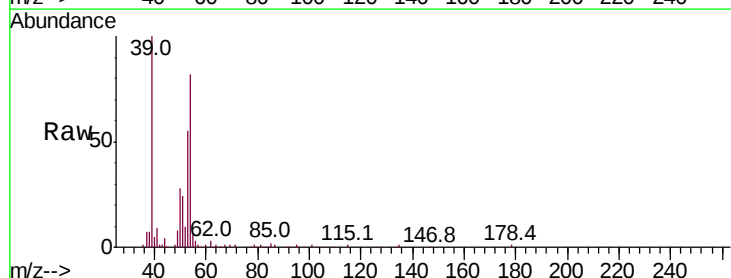
Acq: 16 Nov 2021 2:28

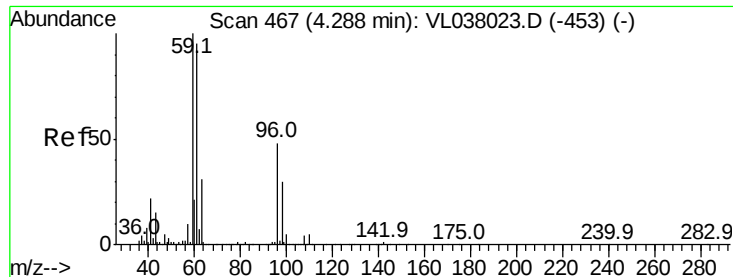
Tgt Ion: 39 Resp: 161672

Ion Ratio Lower Upper

39 100

54 78.7 63.8 95.8

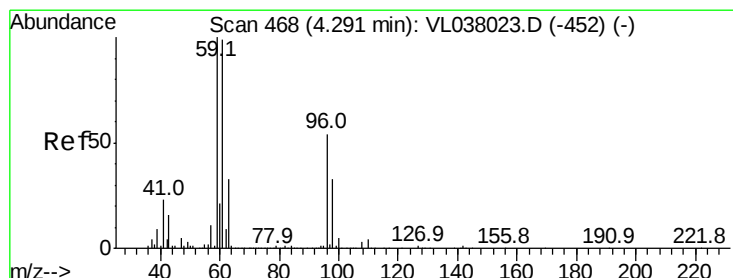
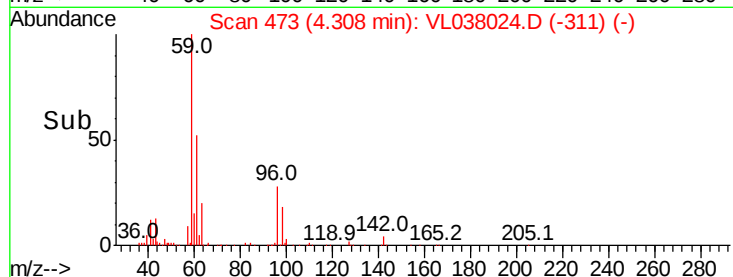
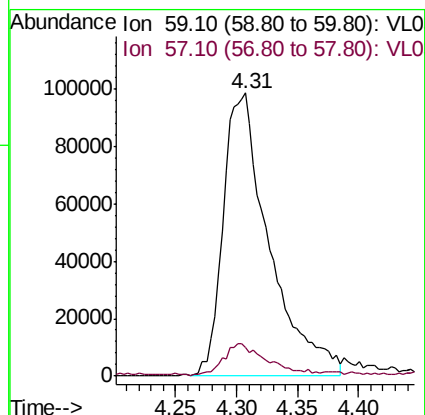
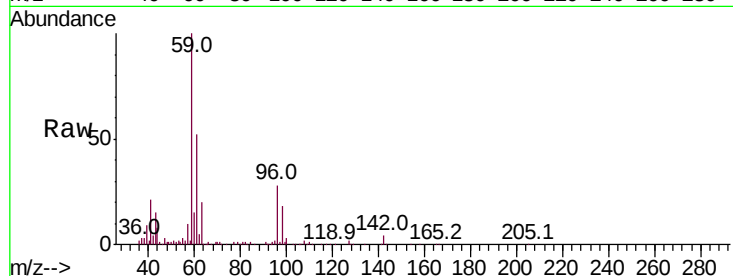




#17

tert-Butyl alcohol
Concen: 2.858 ppbv
RT: 4.31
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 2:28

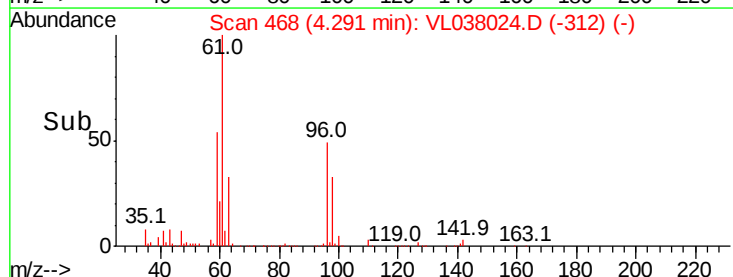
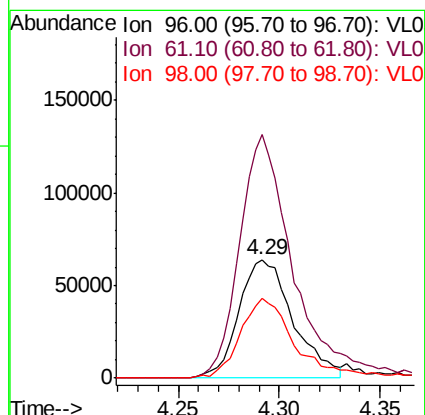
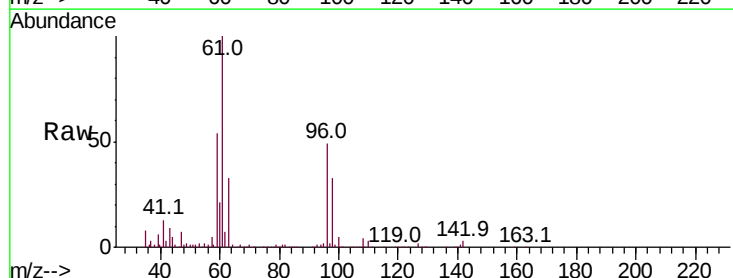
Tot Ion: 59 Resp: 257190
Ion Ratio Lower Upper
59 100
57 10.3 8.7 13.1

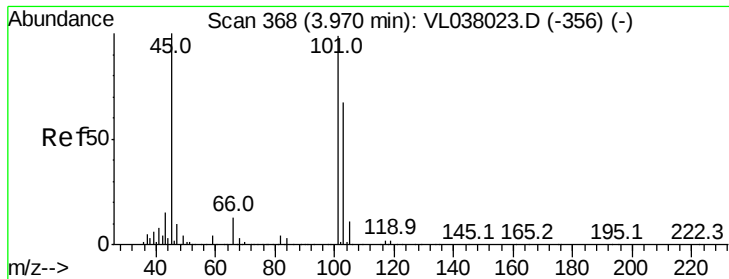


#18

1,1-Dichloroethene
Concen: 2.474 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 96 Resp: 120188
Ion Ratio Lower Upper
96 100
61 205.1 145.2 217.8
98 67.8 48.8 73.2





#19

Isopropyl Alcohol

Concen: 1.694 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

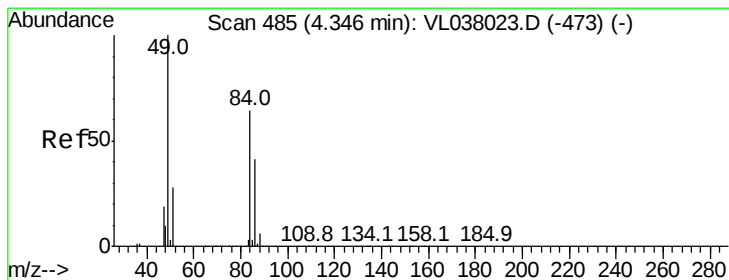
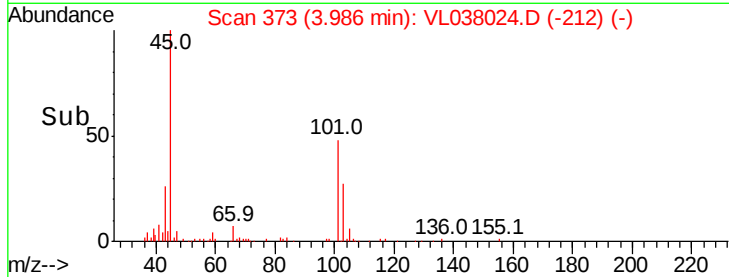
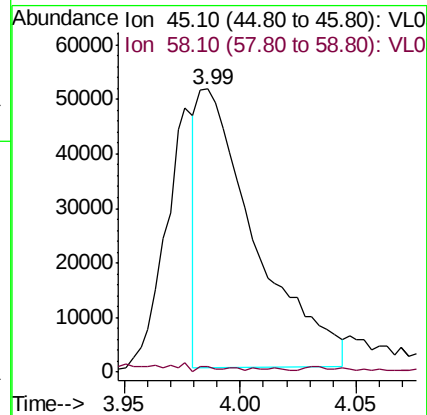
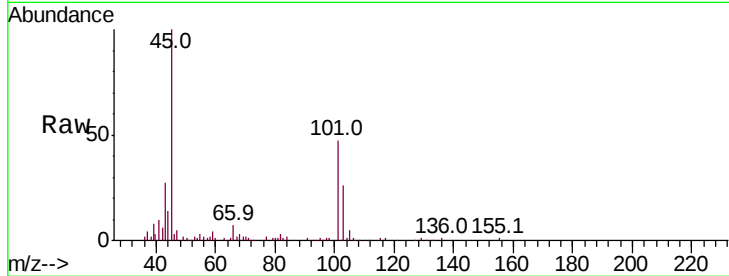
Acq: 16 Nov 2021 2:28

Tot Ion: 45 Resp: 88010

Ion Ratio Lower Upper

45 100

58 0.0 29.4 44.0#



#20

Methylene Chloride

Concen: 2.664 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion: 84 Resp: 115485

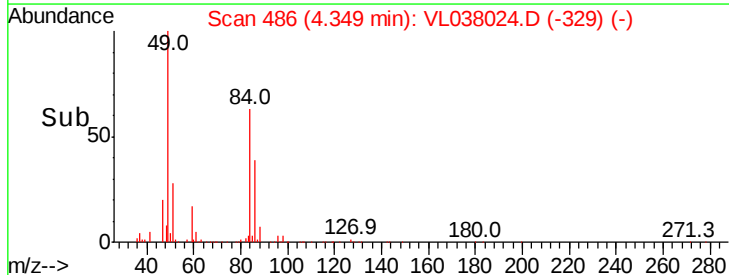
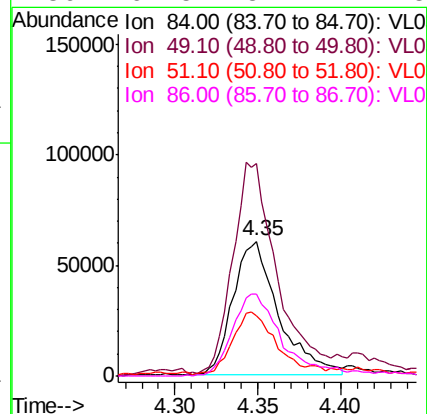
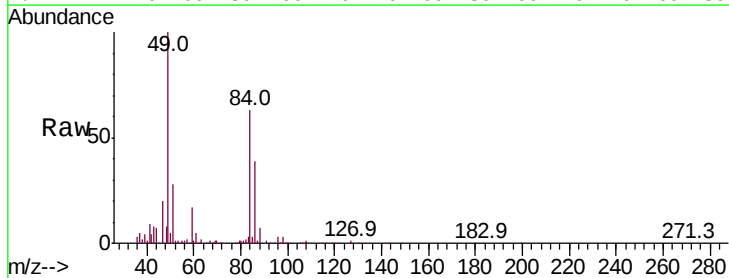
Ion Ratio Lower Upper

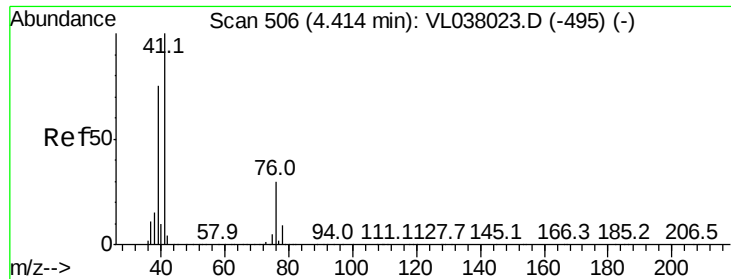
84 100

49 156.5 125.1 187.7

51 43.8 35.3 52.9

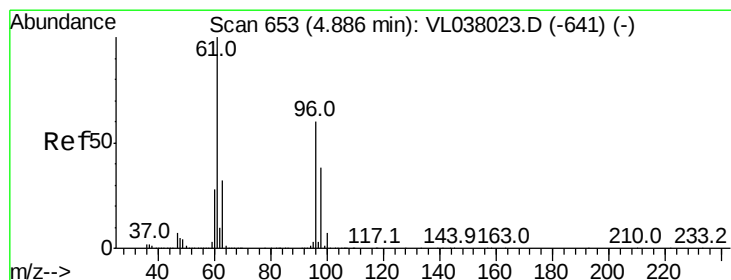
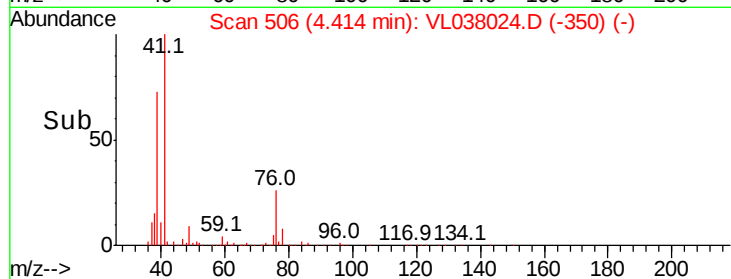
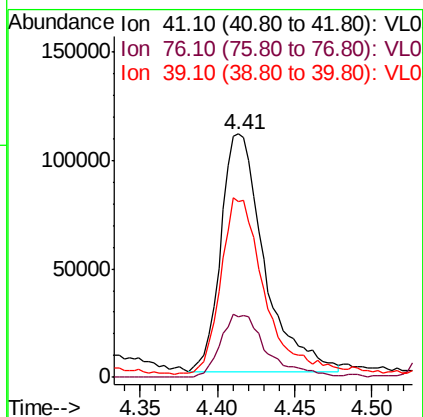
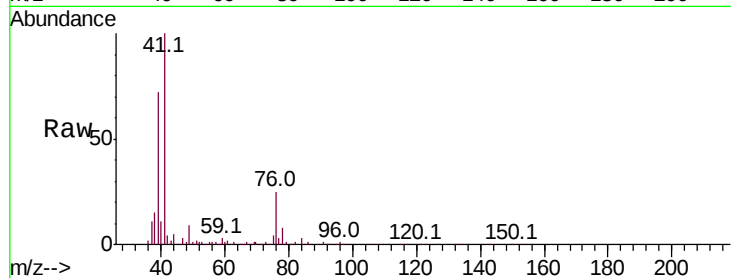
86 61.5 51.7 77.5





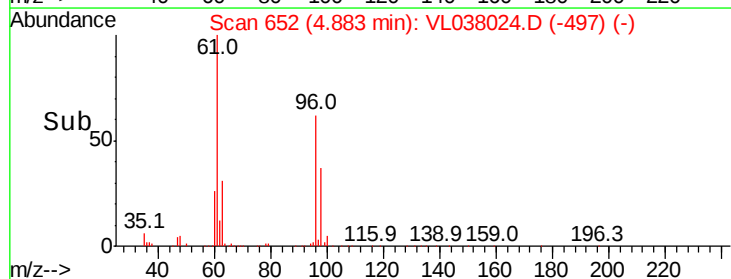
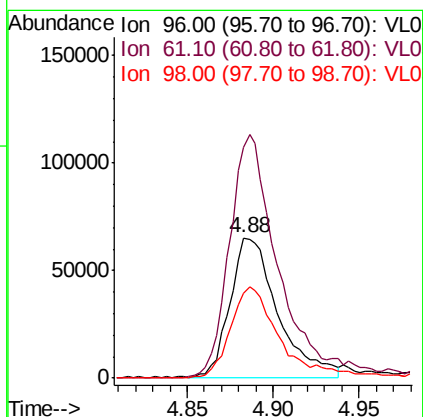
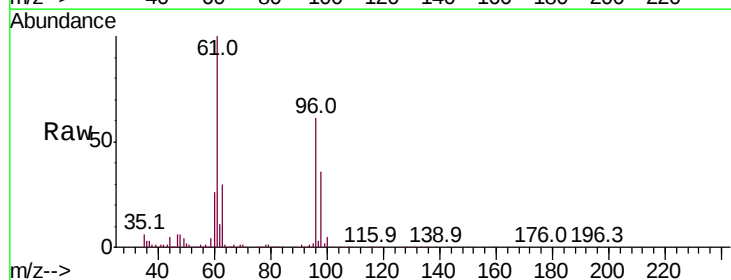
#21
 Allvl Chloride
 Concen: 2.855 ppbv
 RT: 4.41 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

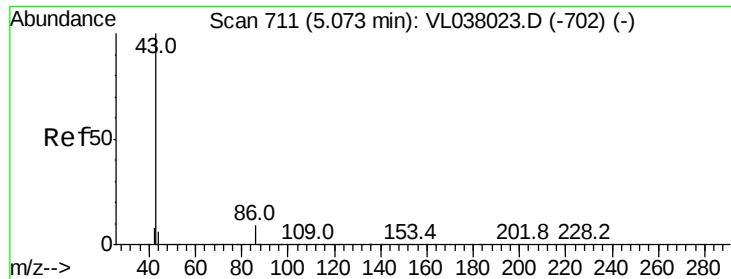
Tot Ion:	41	Resp:	213348
Ion	Ratio	Lower	Upper
41	100		
76	28.9	24.6	37.0
39	77.8	60.6	90.8



#22
 trans-1,2-Dichloroethene
 Concen: 2.539 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

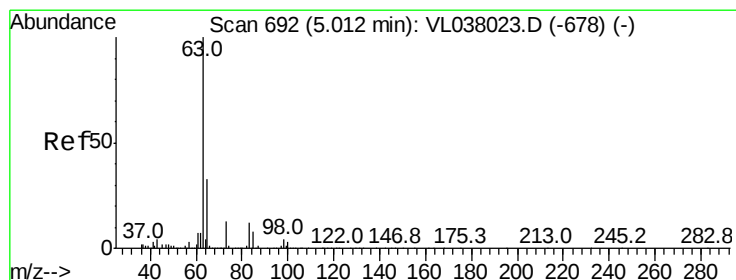
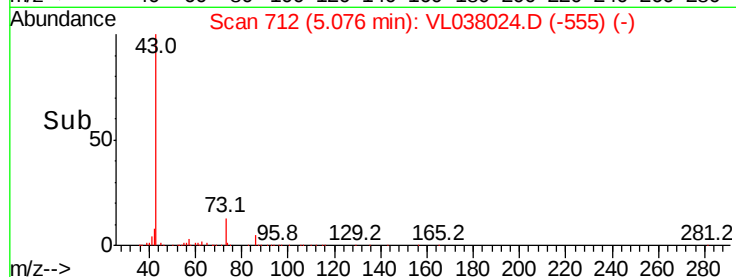
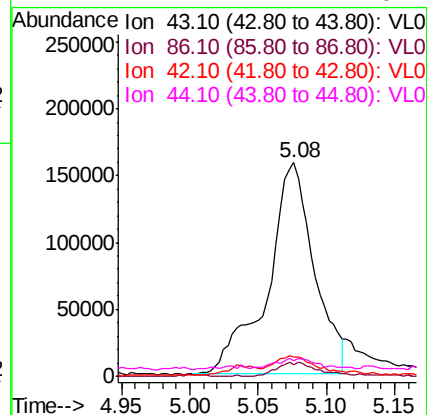
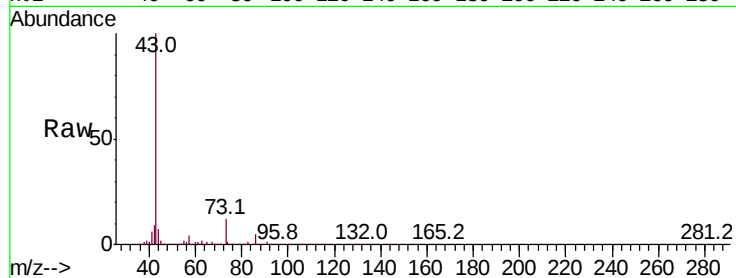
Tgt Ion:	96	Resp:	124118
Ion	Ratio	Lower	Upper
96	100		
61	165.0	134.2	201.4
98	60.0	51.3	76.9





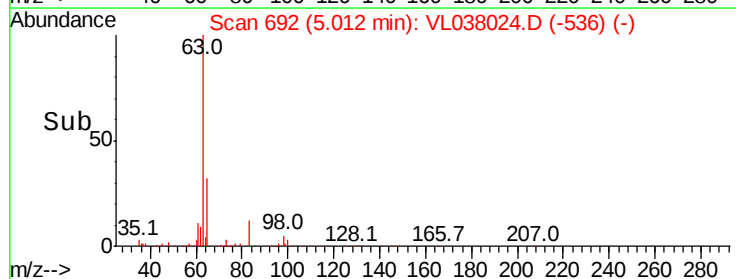
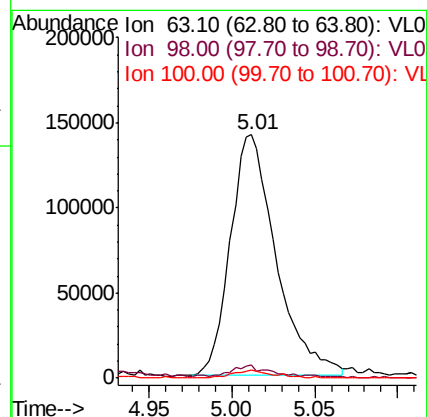
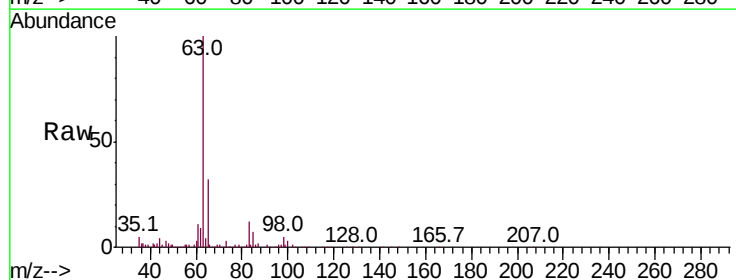
#23
 Vinyl Acetate
 Concen: 3.049 ppbv
 RT: 5.08
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

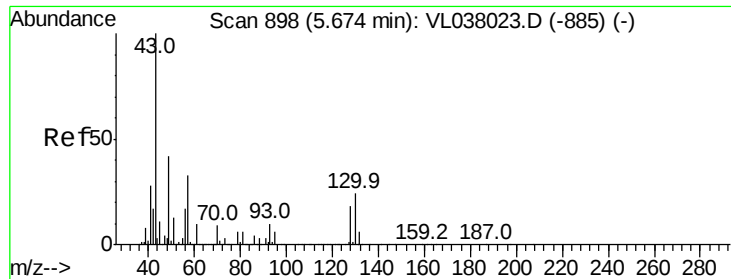
Tot Ion:	43	Resp:	376620
Ion	Ratio	Lower	Upper
43	100		
86	4.2	5.9	8.9#
42	8.0	7.4	11.2
44	4.1	4.1	6.1



#24
 1,1-Dichloroethane
 Concen: 2.716 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion:	63	Resp:	272244
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.3	6.9
100	3.1	1.5	4.4





#25

Ethyl Acetate

Concen: 2.497 ppbv

RT: 5.68

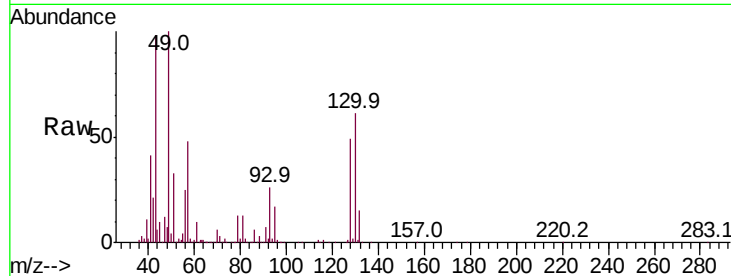
Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 2:28

Tot Ion: 43 Resp: 558956

Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.8	11.8
61	11.8	7.7	11.5#
70	7.0	5.5	8.3



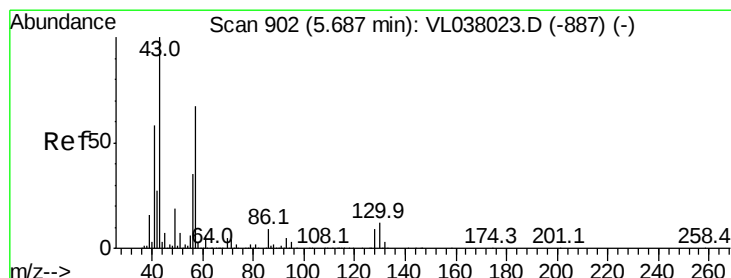
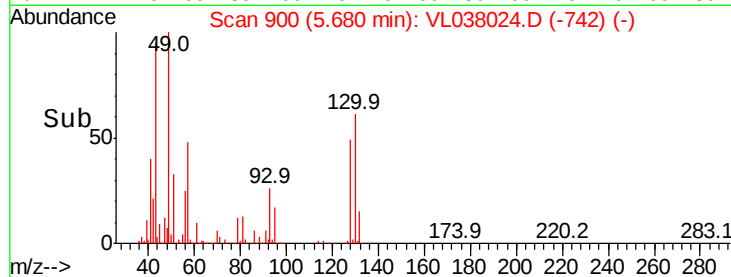
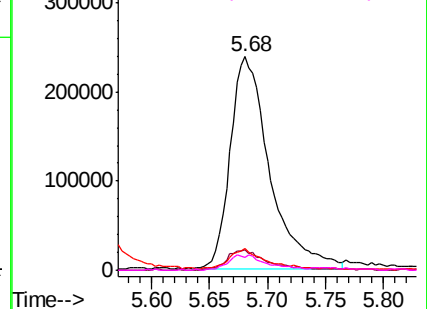
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 2.566 ppbv

RT: 5.69 min Scan# 902

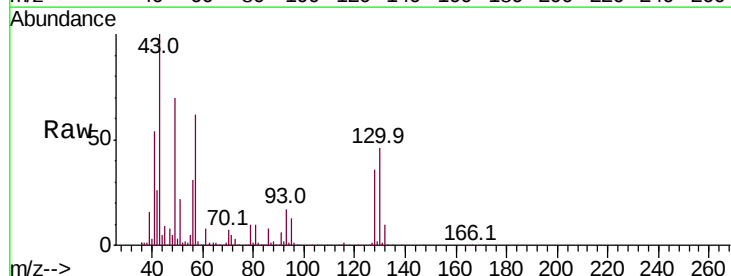
Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion: 57 Resp: 273551

Ion	Ratio	Lower	Upper
57	100		
41	88.9	70.8	106.2
43	212.6	169.4	254.0
56	53.4	41.8	62.8



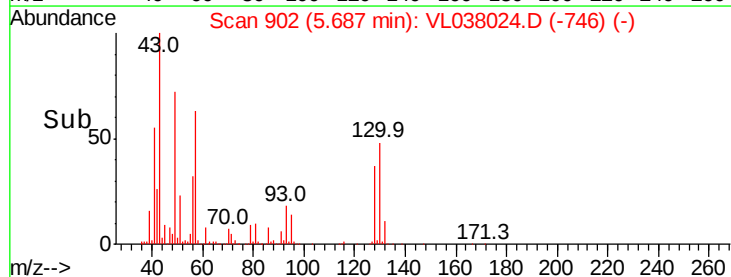
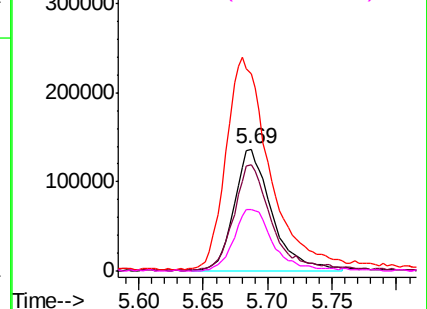
Abundance

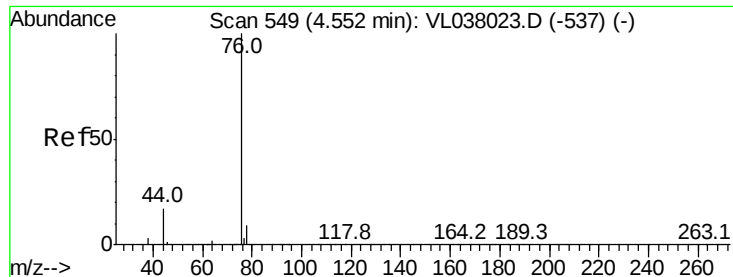
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 2.949 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_1

Lab File:

Acq: 16 Nov 2021 2:28

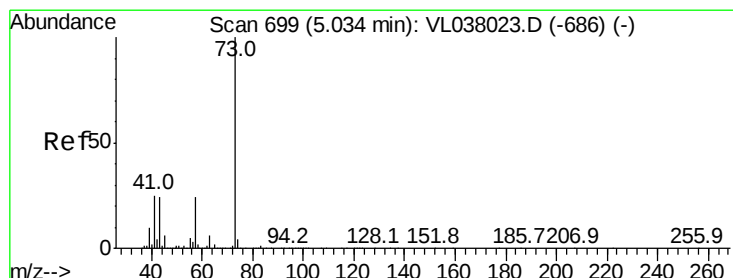
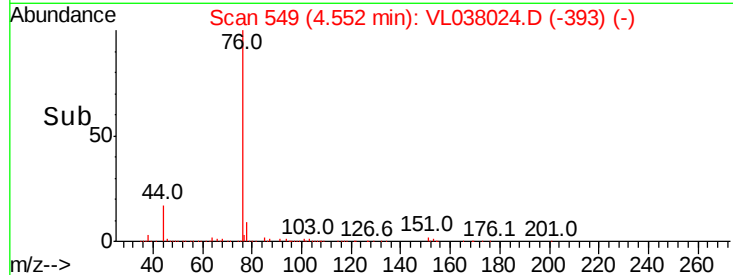
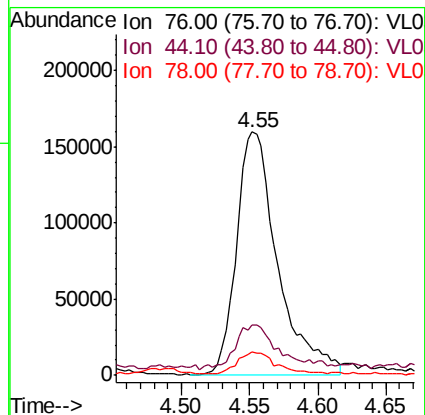
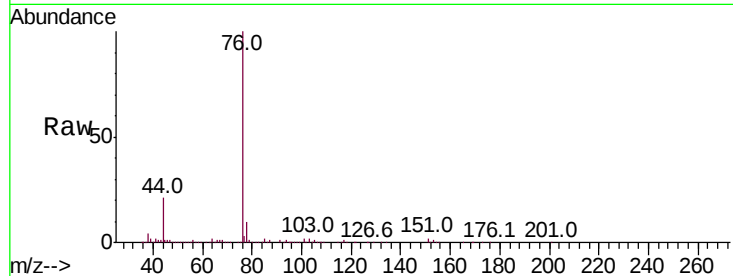
Tot Ion: 76 Resp: 332626

Ion Ratio Lower Upper

76 100

44 21.1 15.0 22.6

78 11.1 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 3.161 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.01 min

Lab File: VL038024.D

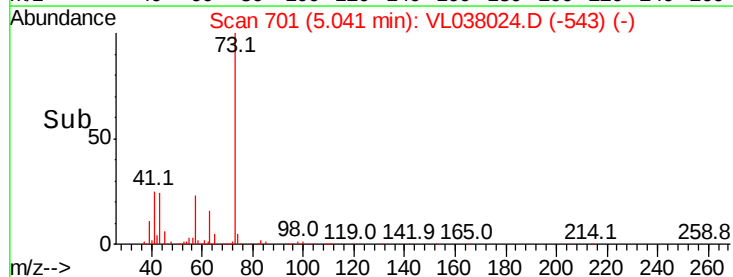
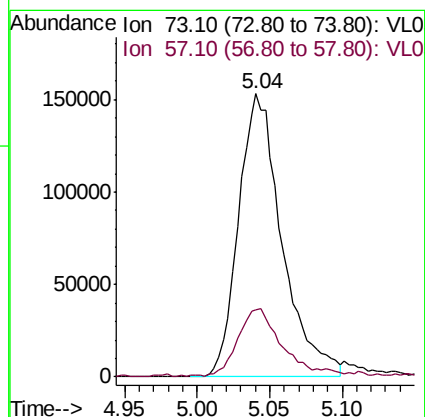
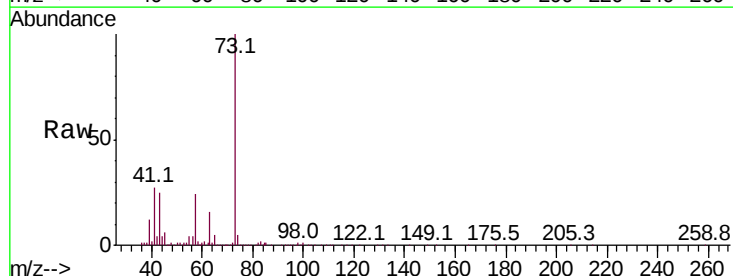
Acq: 16 Nov 2021 2:28

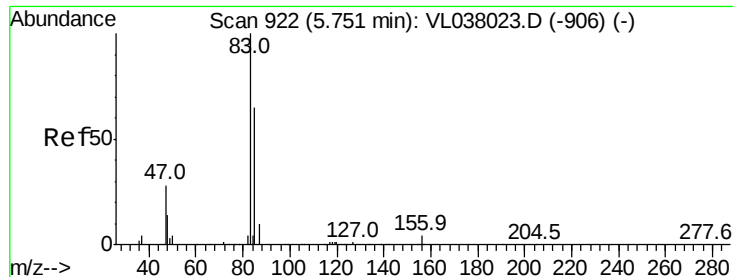
Tgt Ion: 73 Resp: 318242

Ion Ratio Lower Upper

73 100

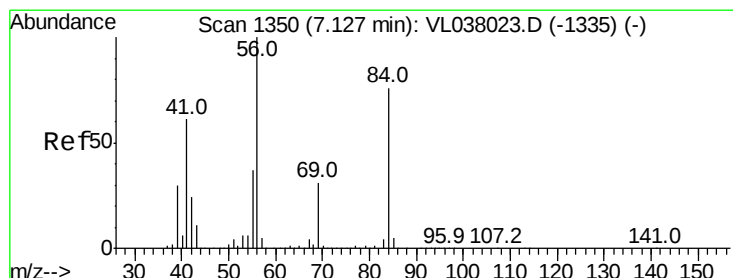
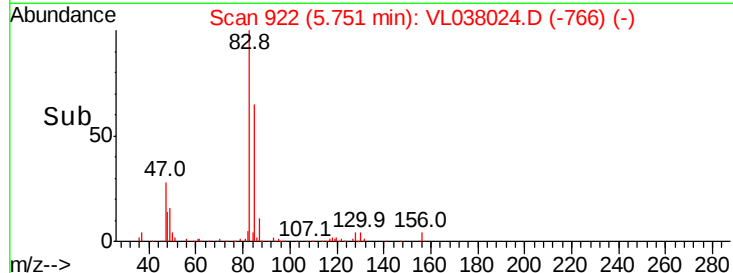
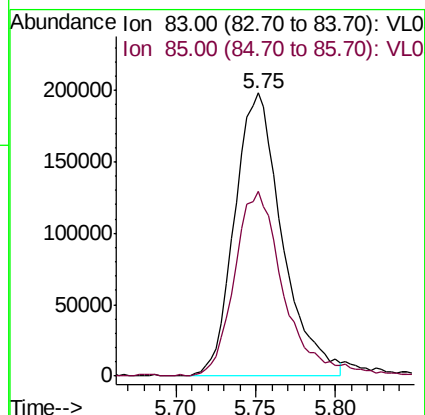
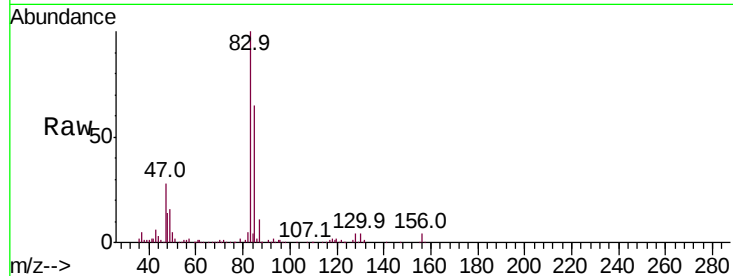
57 24.5 19.1 28.7





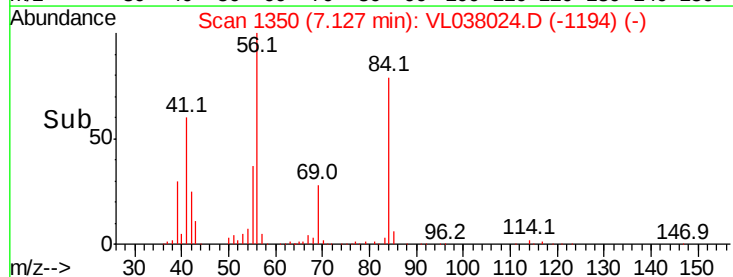
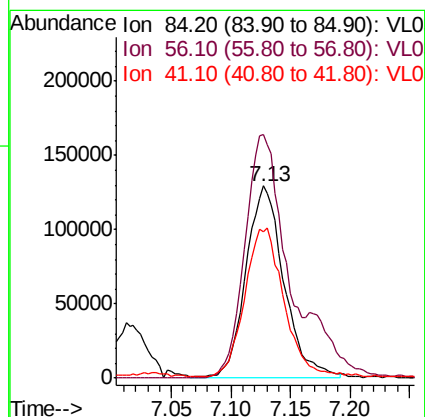
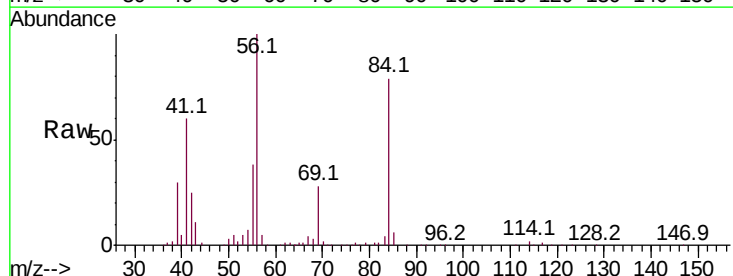
#29
Chloroform
Concen: 2.458 ppbv
RT: 5.75
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 2:28

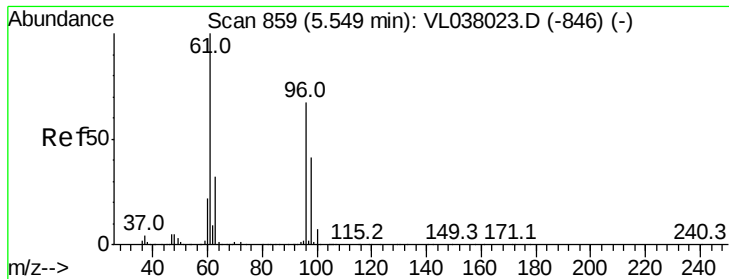
Tot Ion: 83 Resp: 401717
Ion Ratio Lower Upper
83 100
85 65.4 52.1 78.1



#30
Cyclohexane
Concen: 2.959 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 84 Resp: 287704
Ion Ratio Lower Upper
84 100
56 154.1 109.4 164.2
41 79.6 65.8 98.6





#31

cis-1,2-Dichloroethene

Concen: 2.118 ppbv

RT: 5.55

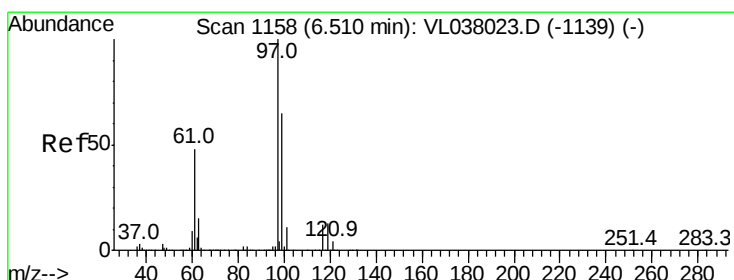
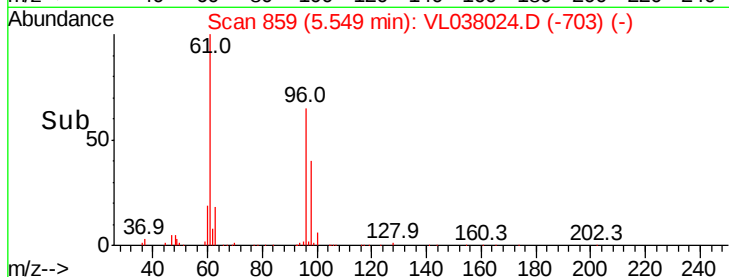
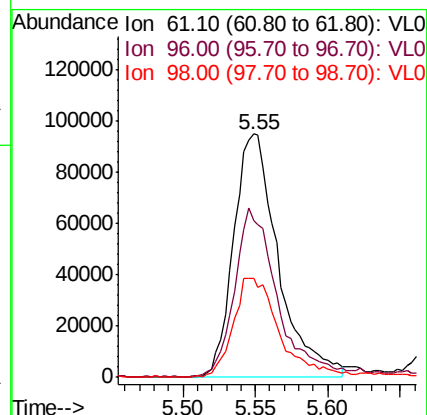
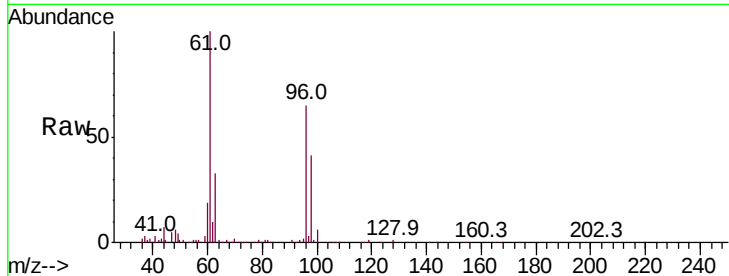
Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Nov 2021 2:28

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.1	53.9	80.9
98	40.4	32.8	49.2



#32

1,1,1-Trichloroethane

Concen: 2.845 ppbv

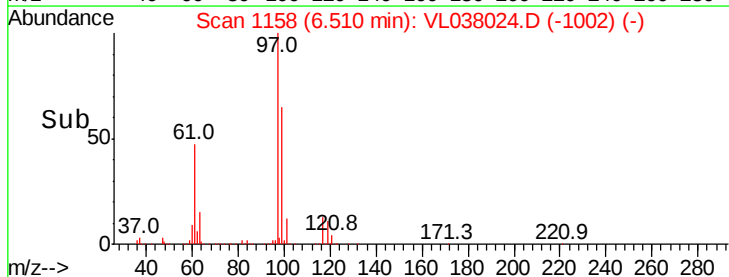
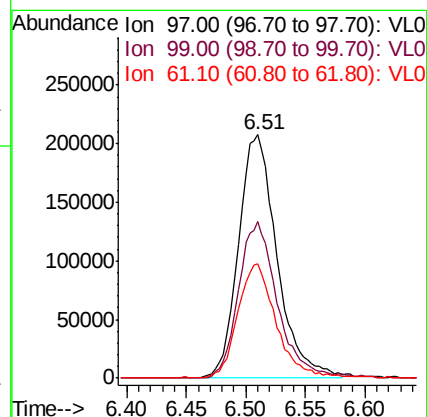
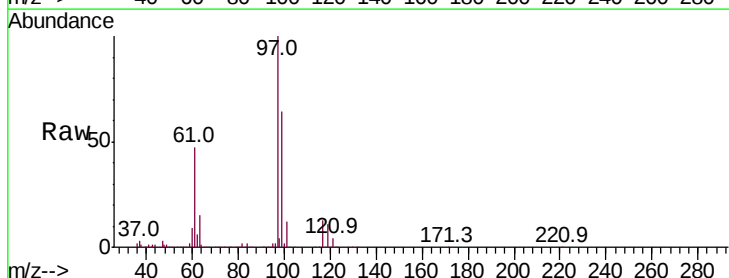
RT: 6.51 min Scan# 1158

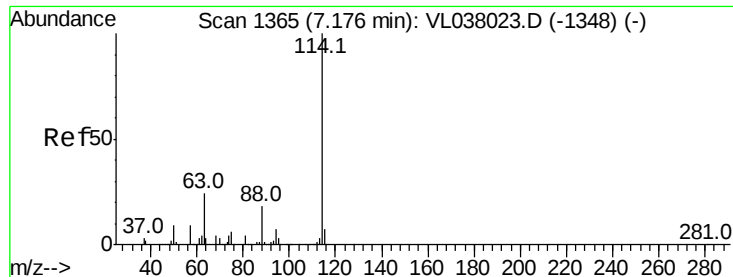
Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.9	77.9
61	47.6	37.9	56.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17

Instrument: MSVOA_1

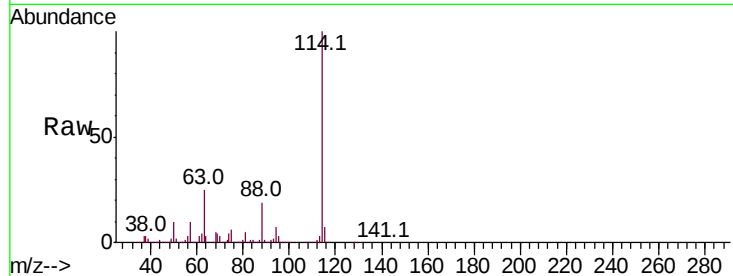
Delta R.T.:

Lab File: ClientSampleId:

Acq: 16 Nov 2021 2:28

Tot Ion:114 Resp: 3252355

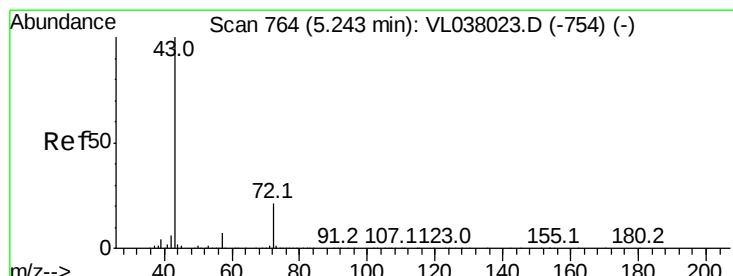
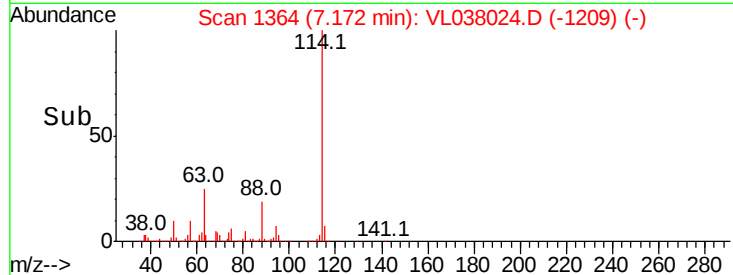
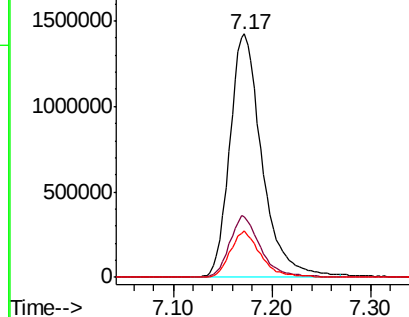
Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.8	29.6
88	18.3	14.6	21.8



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: 1.895 ppbv

RT: 5.25 min Scan# 765

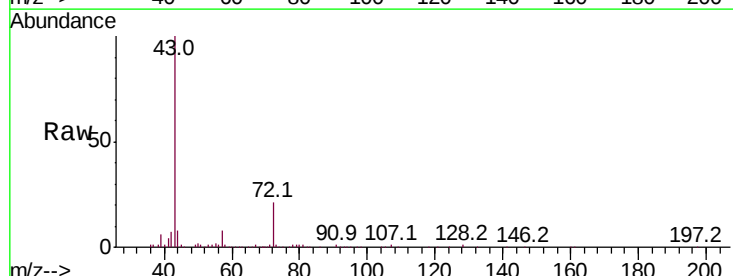
Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

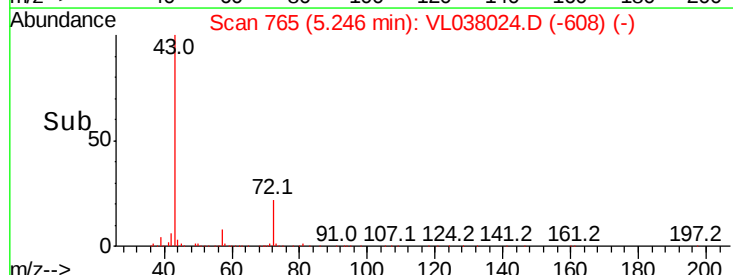
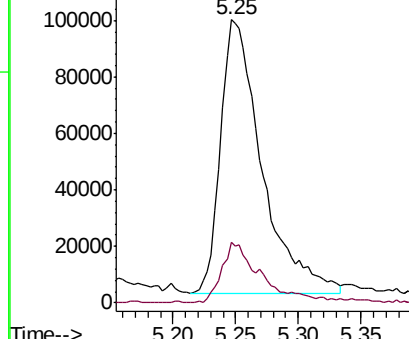
Tgt Ion: 43 Resp: 221295

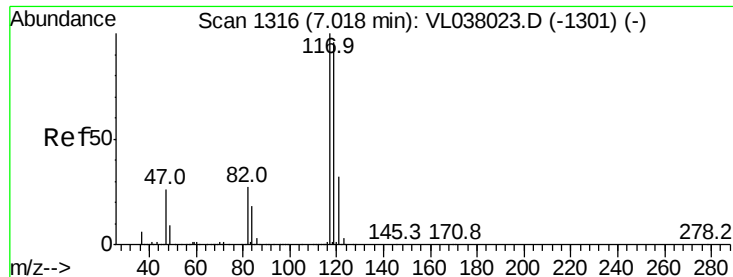
Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.2	27.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 2.346 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 2:28

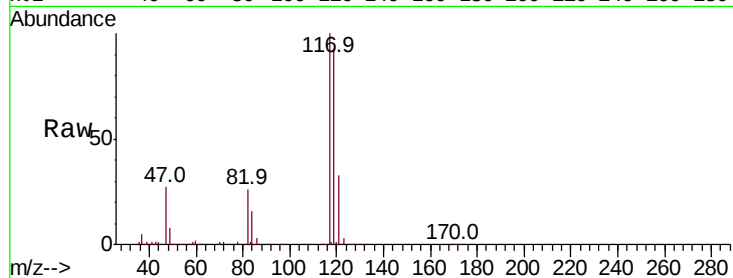
Tot Ion: 117 Resp: 467498

Ion Ratio Lower Upper

117 100

119 93.0 76.5 114.7

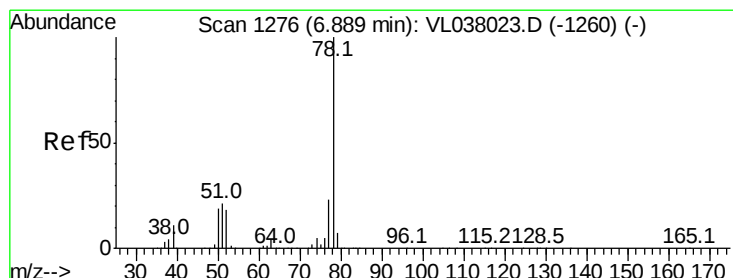
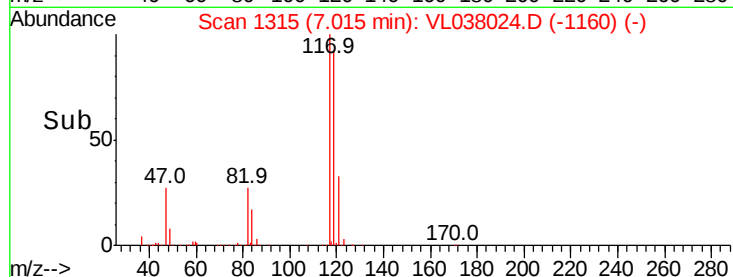
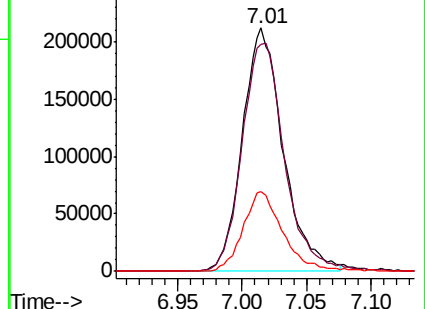
121 32.5 25.3 37.9



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: 2.499 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

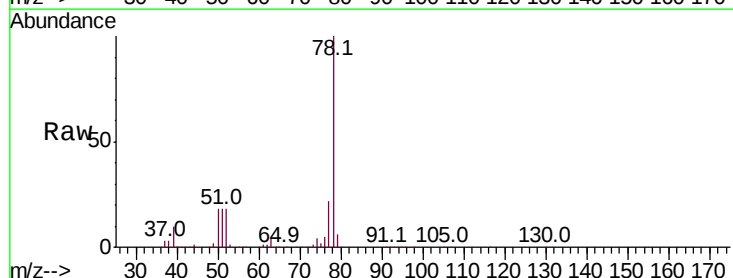
Tgt Ion: 78 Resp: 671041

Ion Ratio Lower Upper

78 100

77 22.0 18.8 28.2

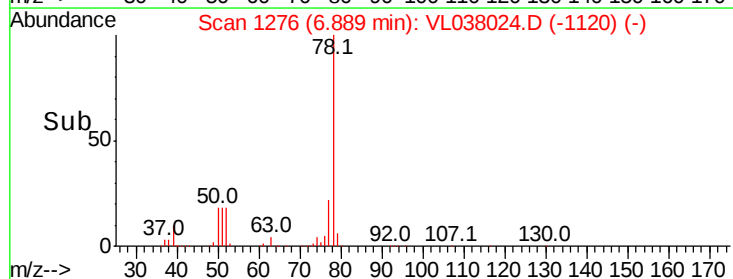
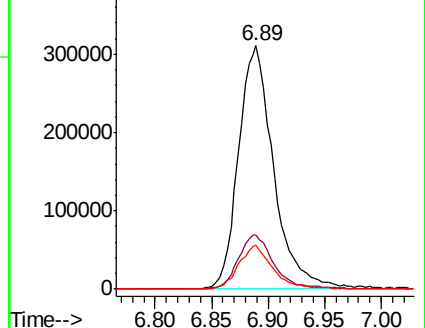
50 18.0 14.9 22.3

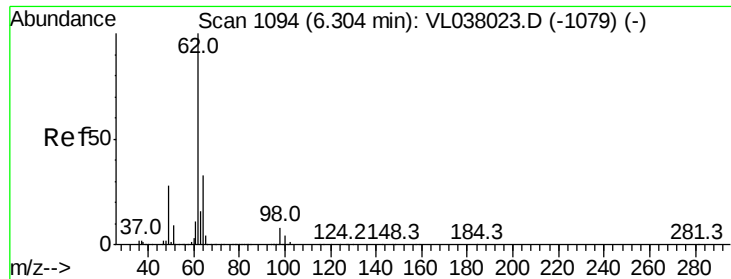


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

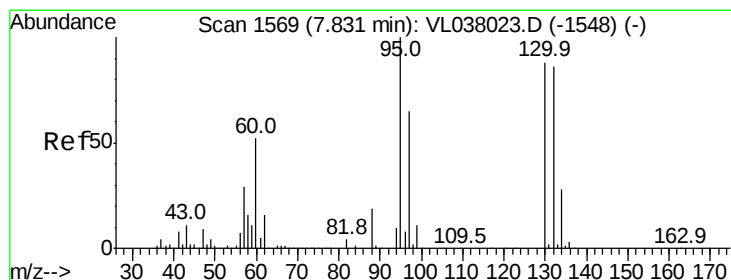
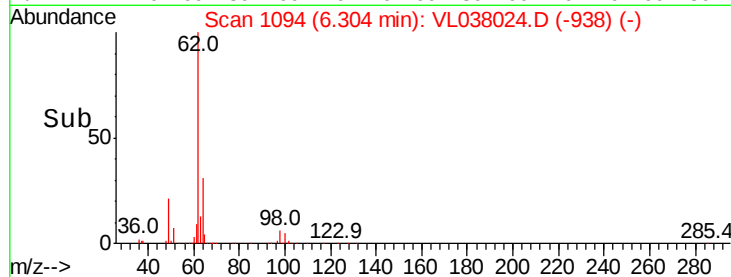
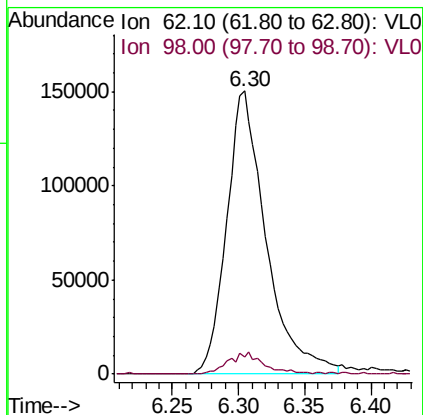
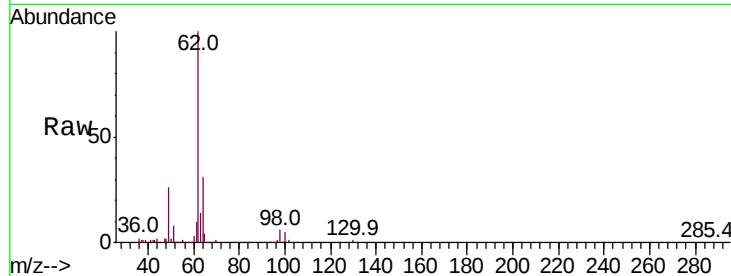
Ion 50.10 (49.80 to 50.80): VL0





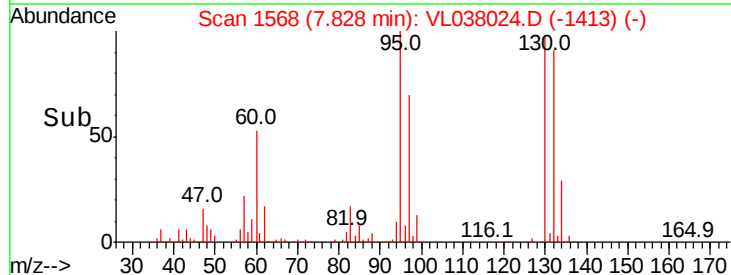
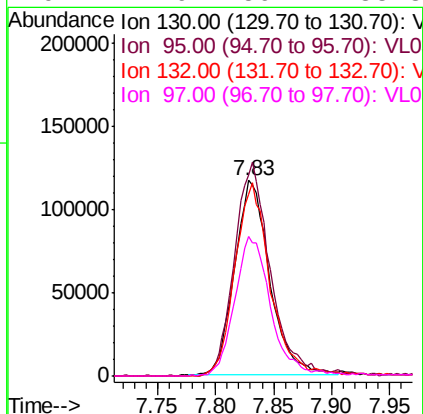
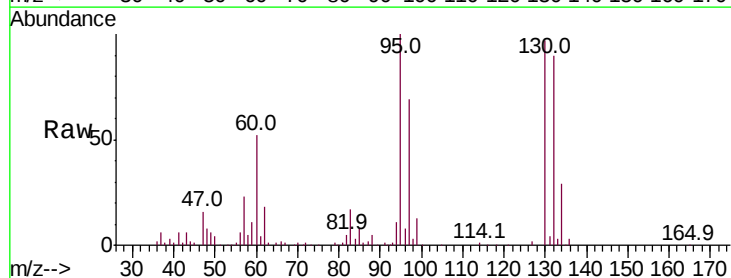
#37
 1,2-Dichloroethane
 Concen: 2.430 ppbv
 RT: 6.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

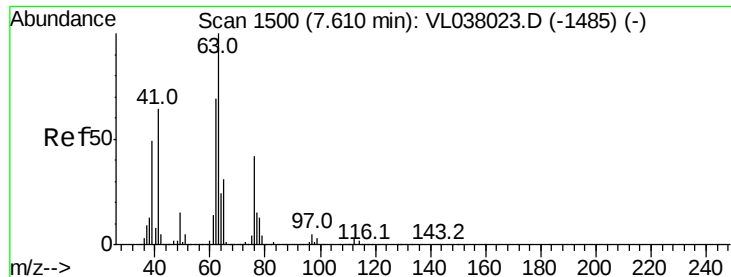
Tot Ion	Ratio	Lower	Upper
62	100		
98	7.7	5.9	8.9



#38
 Trichloroethene
 Concen: 2.243 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

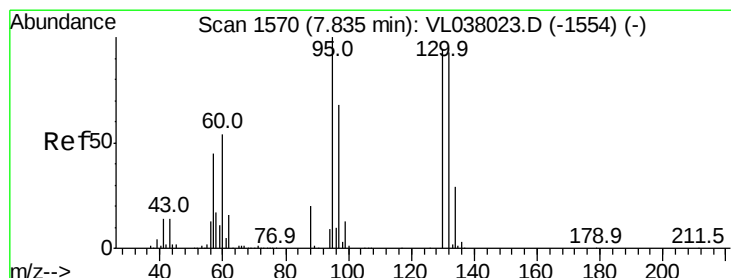
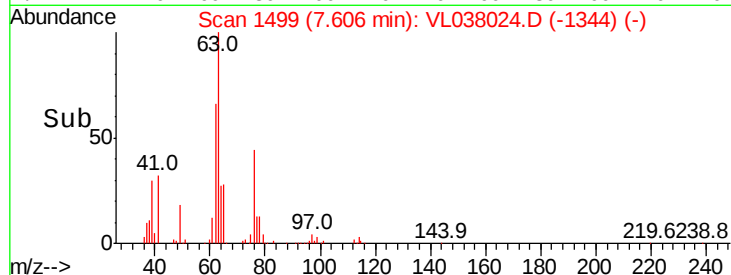
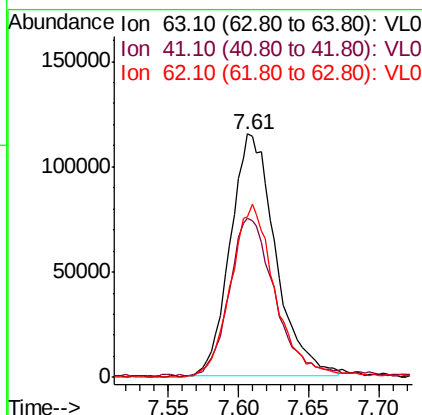
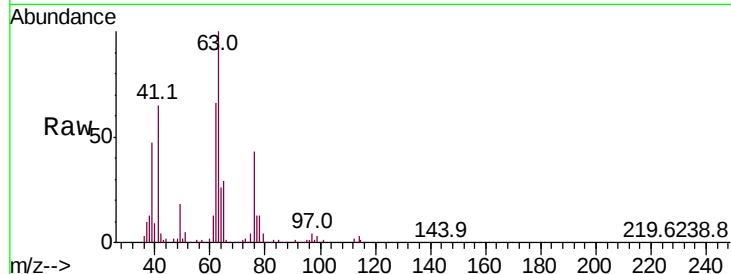
Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	90.5	135.7
132	93.7	77.4	116.0
97	71.9	59.2	88.8





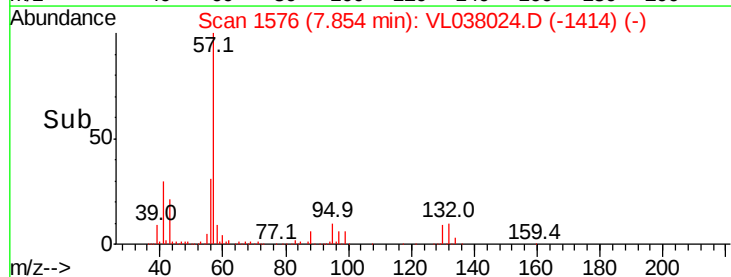
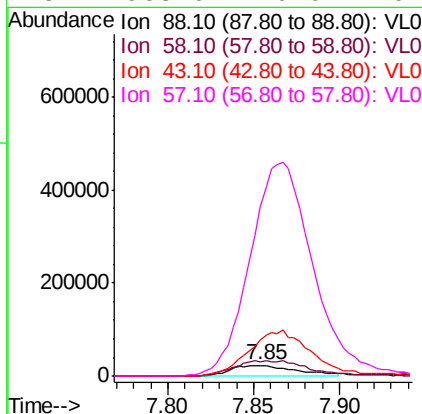
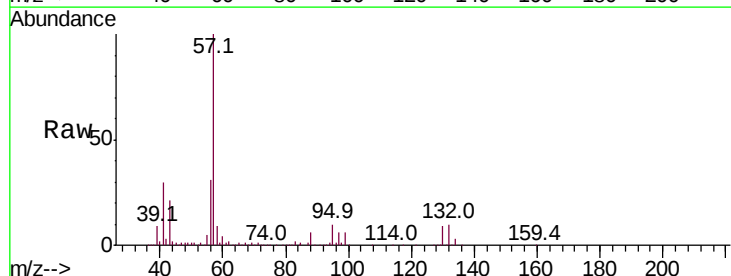
#39
 1,2-Dichloropropane
 Concen: 2.499 ppbv
 RT: 7.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

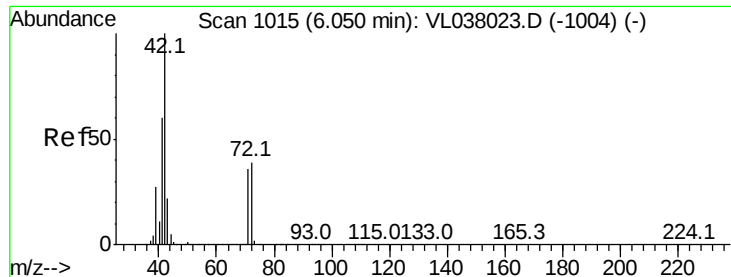
Tot Ion	Ratio	Lower	Upper
63	100		
41	65.0	51.1	76.7
62	66.1	55.2	82.8



#40
 1,4-Dioxane
 Concen: 2.282 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.02 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion	Ratio	Lower	Upper
88	100		
58	169.6	0.0	0.0#
43	426.3	0.0	0.0#
57	1968.0	0.0	0.0#





#41

Tetrahydrofuran

Concen: 2.575 ppbv

RT: 6.07 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 2:28

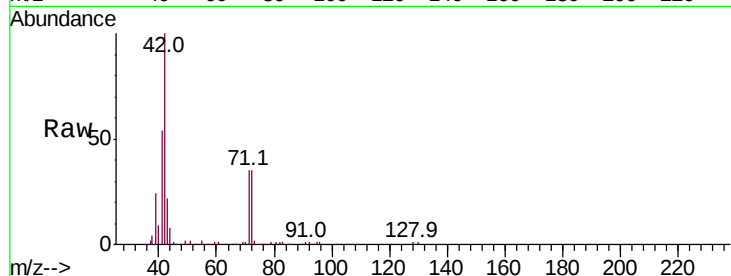
Tot Ion: 42 Resp: 157954

Ion Ratio Lower Upper

42 100

72 39.7 31.3 46.9

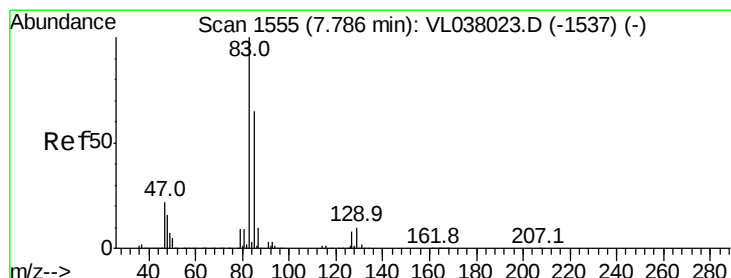
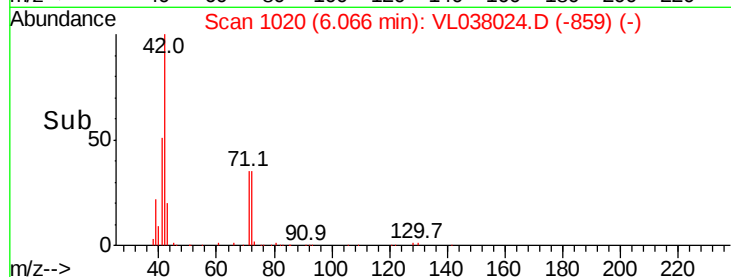
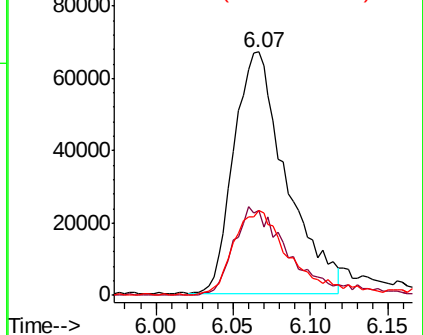
71 38.6 29.7 44.5



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 2.578 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

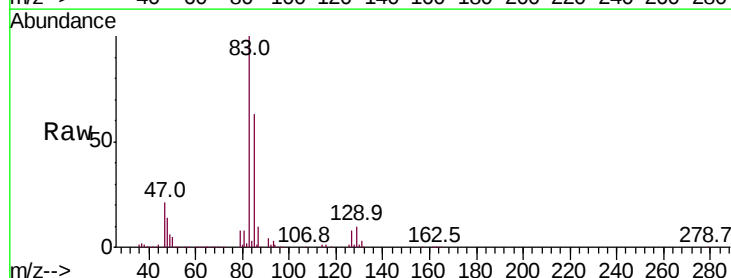
Tgt Ion: 83 Resp: 502939

Ion Ratio Lower Upper

83 100

85 62.6 51.6 77.4

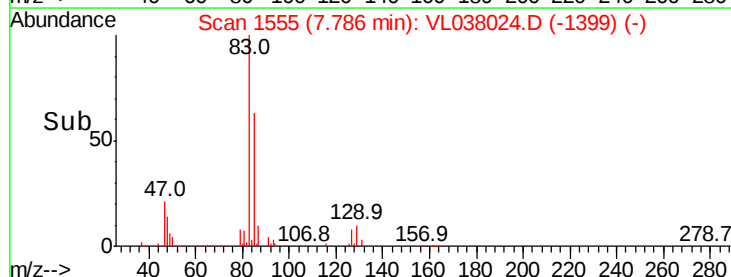
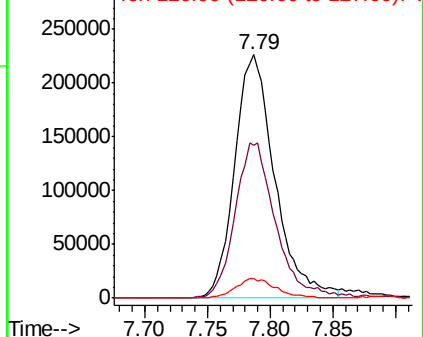
127 8.1 6.6 10.0

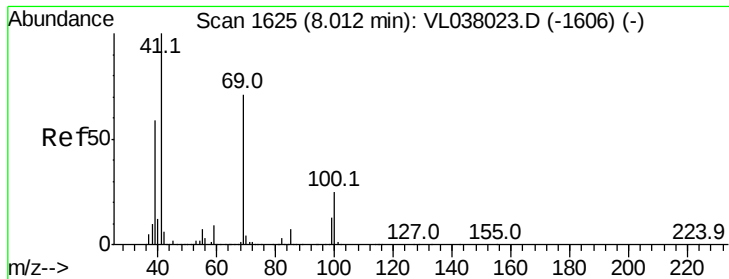


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

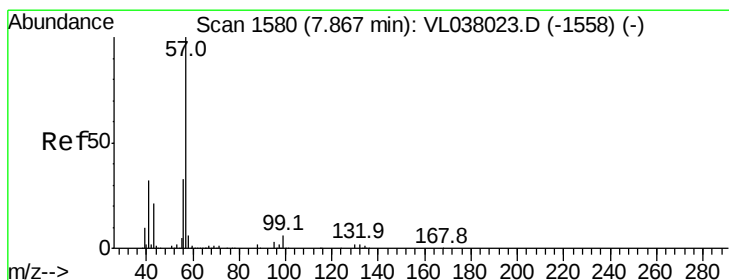
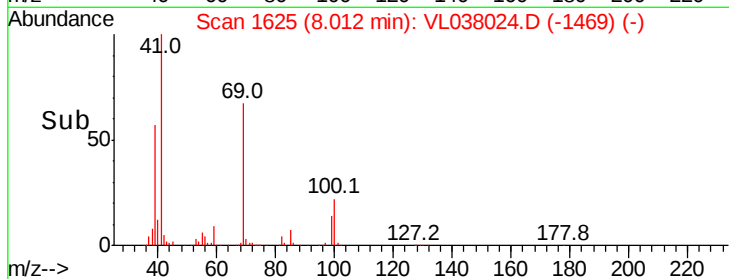
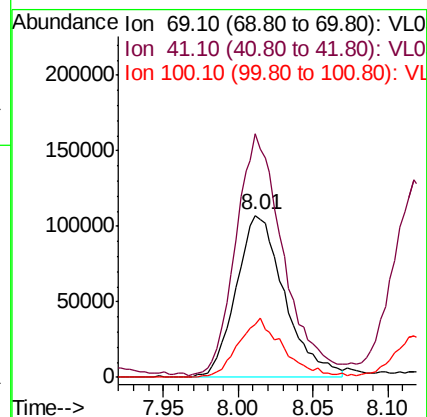
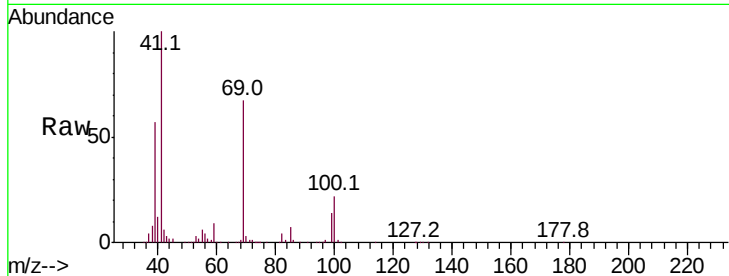
Ion 126.90 (126.60 to 127.60): VL0





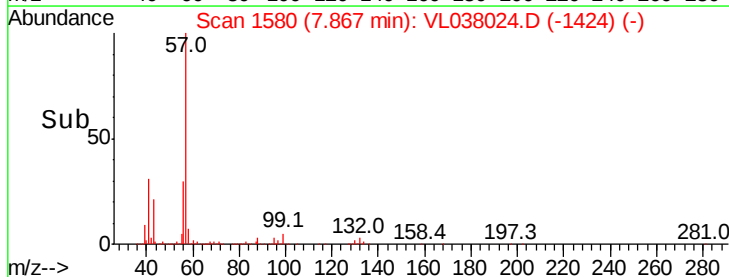
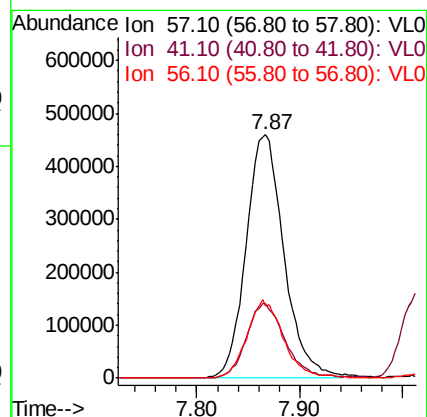
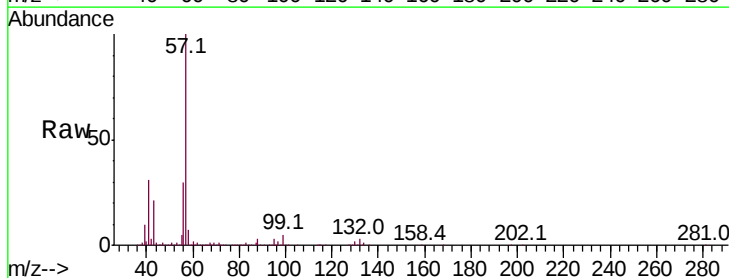
#43
Methvl Methacrvlate
Concen: 2.694 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 16 Nov 2021 2:28

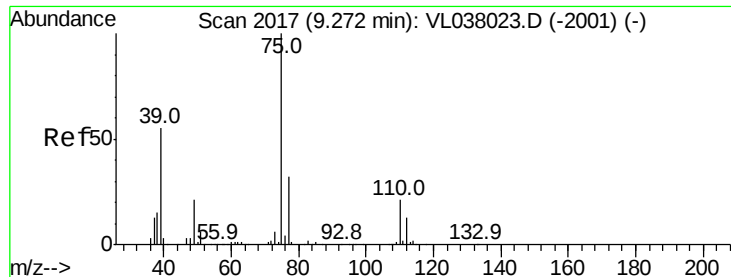
Tot Ion	69	Resp	240152
Ion	Ratio	Lower	Upper
69	100		
41	147.3	116.1	174.1
100	33.8	27.1	40.7



#44
2,2,4-Trimethylpentane
Concen: 2.579 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

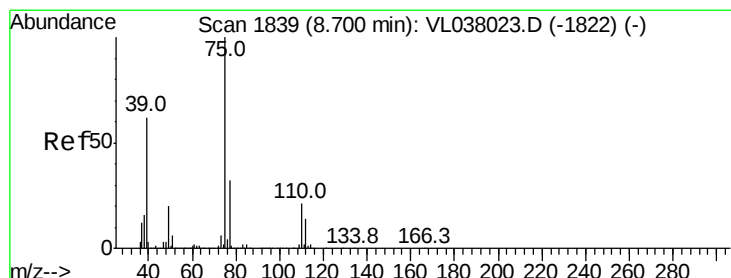
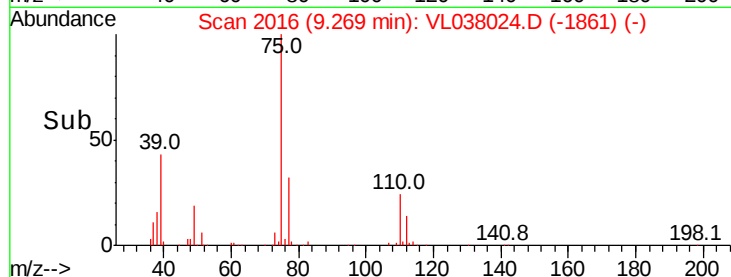
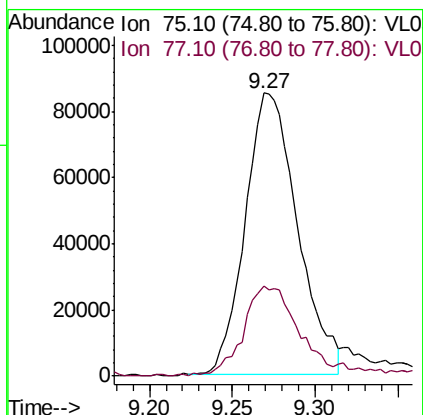
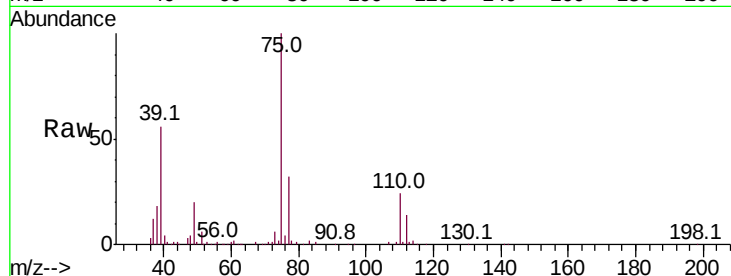
Tgt Ion	57	Resp	1172574
Ion	Ratio	Lower	Upper
57	100		
41	30.9	26.3	39.5
56	31.3	25.6	38.4





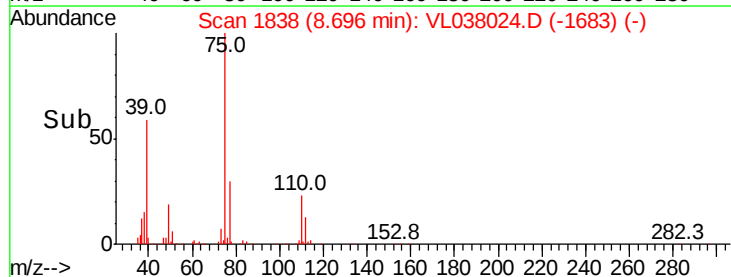
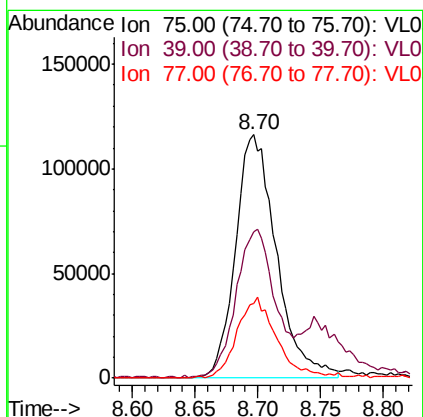
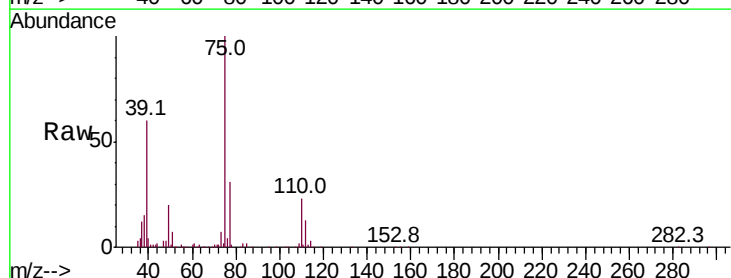
#45
t-1,3-Dichloropropene
Concen: 2.770 ppbv
RT: 9.27 Instrument :
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 16 Nov 2021 2:28

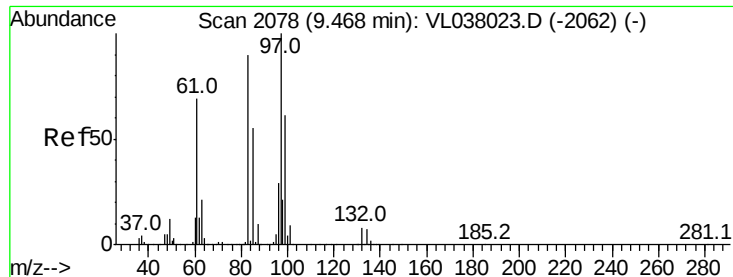
Tot Ion: 75 Resp: 187435
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4



#46
cis-1,3-Dichloropropene
Concen: 2.896 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion: 75 Resp: 263761
Ion Ratio Lower Upper
75 100
39 60.0 49.2 73.8
77 30.3 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 2.294 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 16 Nov 2021 2:28

Tot Ion: 97 Resp: 259445

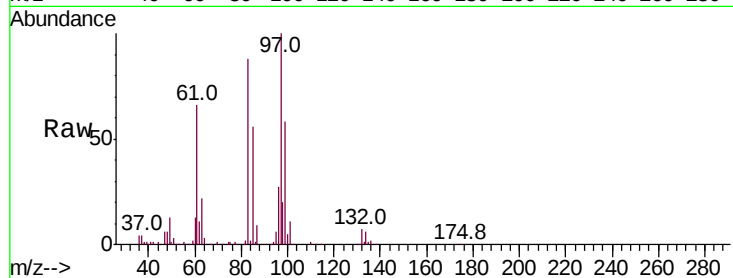
Ion Ratio Lower Upper

97 100

83 87.7 72.2 108.4

85 56.1 43.8 65.8

99 58.3 49.0 73.4

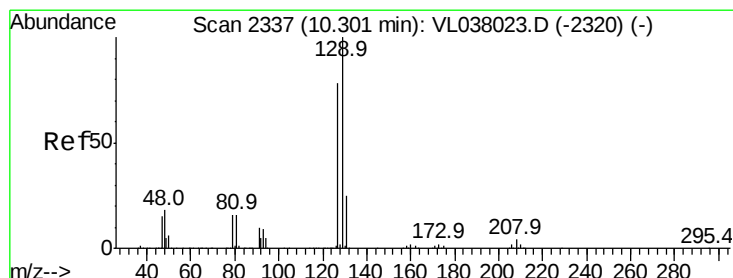
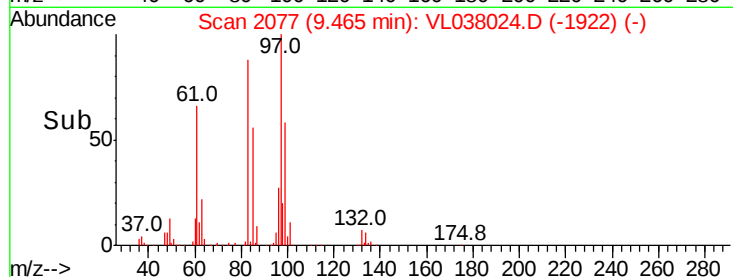
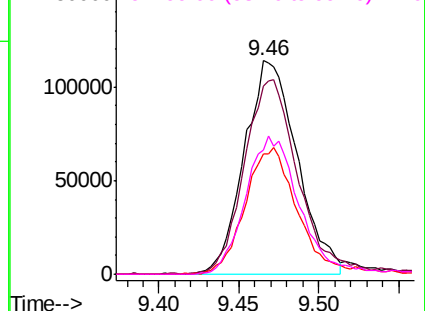


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 2.732 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VL038024.D

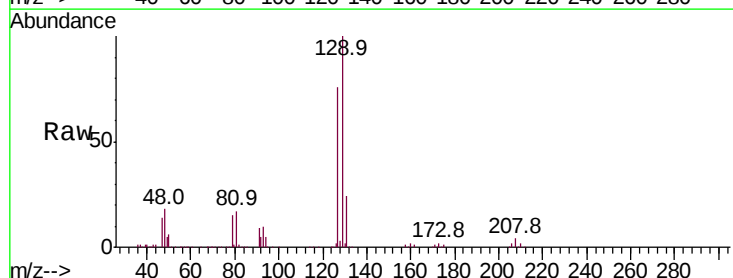
Acq: 16 Nov 2021 2:28

Tgt Ion: 129 Resp: 442646

Ion Ratio Lower Upper

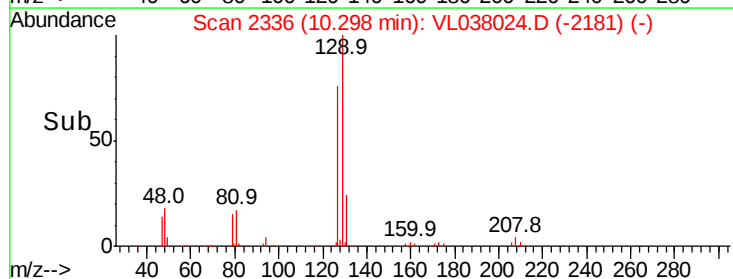
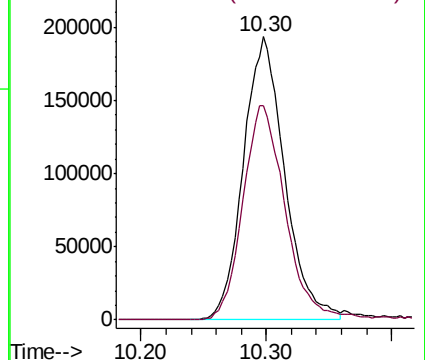
129 100

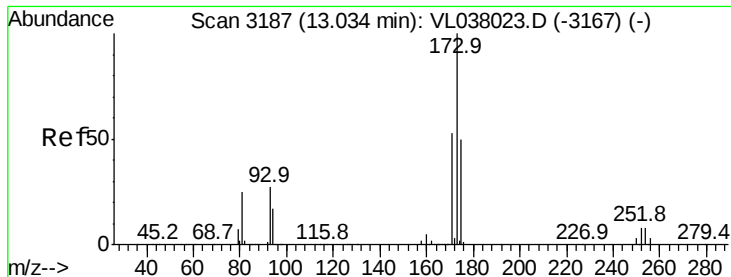
127 78.9 39.8 119.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.733 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 2:28

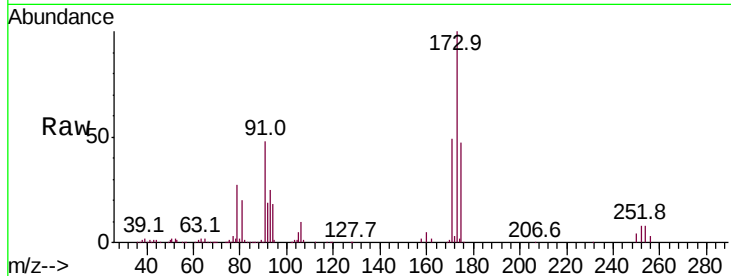
Tot Ion: 173 Resp: 347868

Ion Ratio Lower Upper

173 100

175 49.8 41.5 62.3

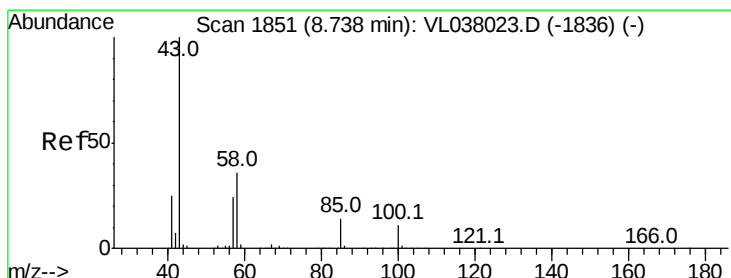
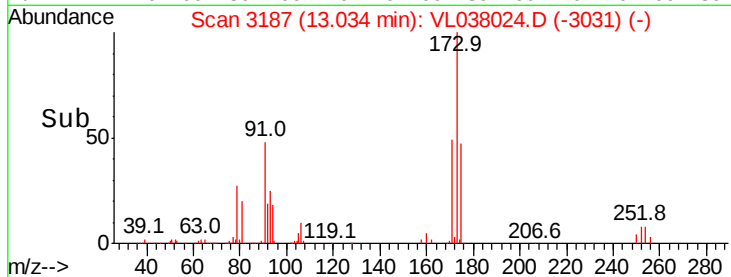
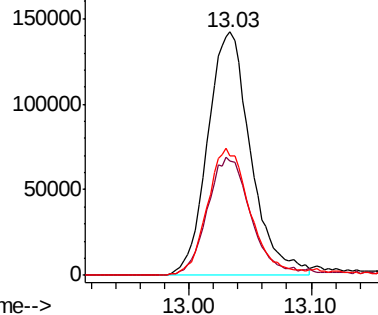
171 54.1 43.7 65.5



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: 2.503 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL038024.D

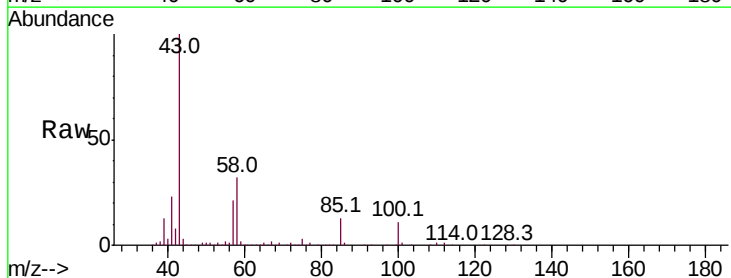
Acq: 16 Nov 2021 2:28

Tgt Ion: 43 Resp: 403257

Ion Ratio Lower Upper

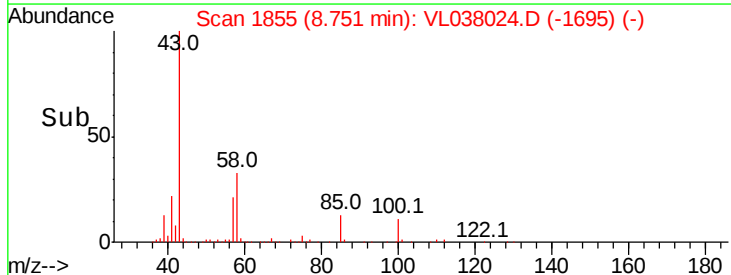
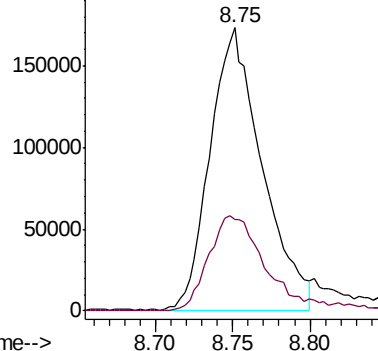
43 100

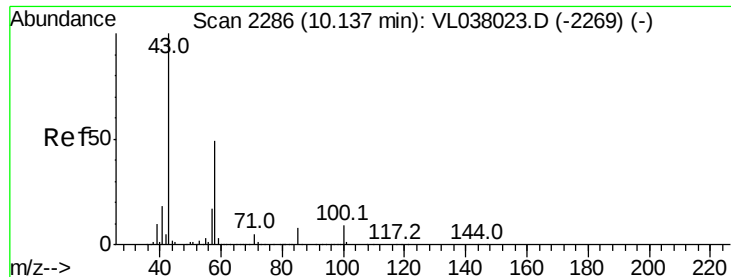
58 38.4 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.306 ppbv

RT: 10.14

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 2:28

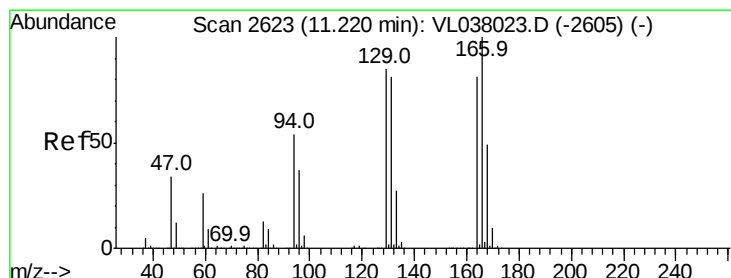
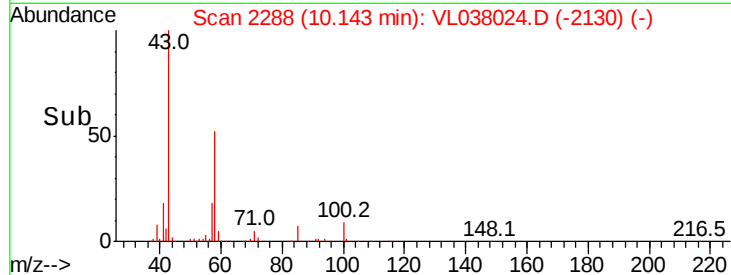
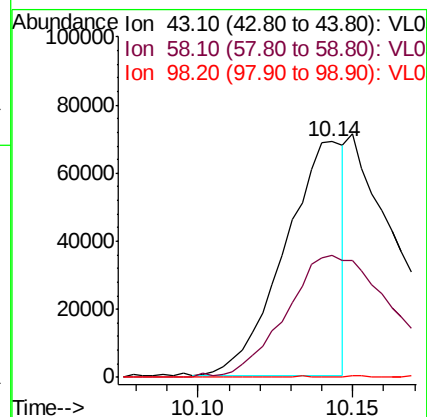
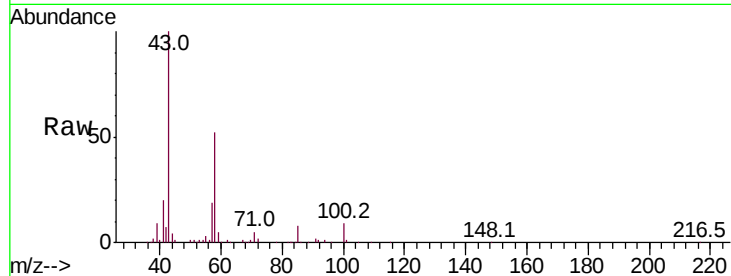
Tot Ion: 43 Resp: 90850

Ion Ratio Lower Upper

43 100

58 111.5 40.2 60.2#

98 0.1 0.1 0.1



#52

Tetrachloroethene

Concen: 2.360 ppbv

RT: 11.22 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion: 164 Resp: 237646

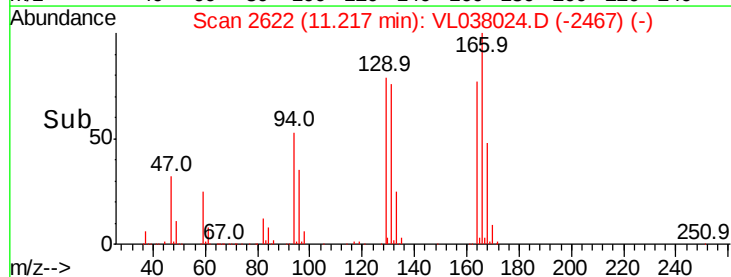
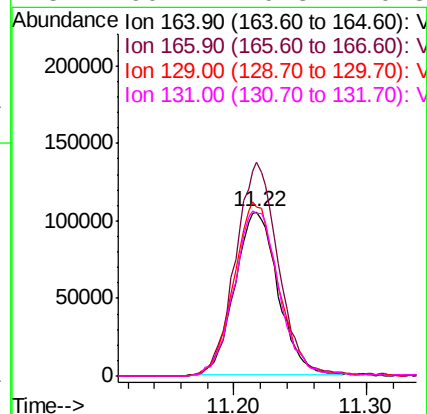
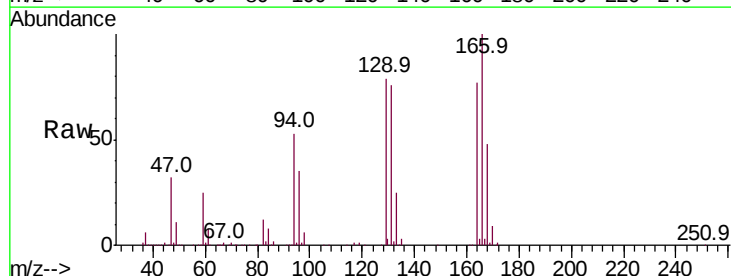
Ion Ratio Lower Upper

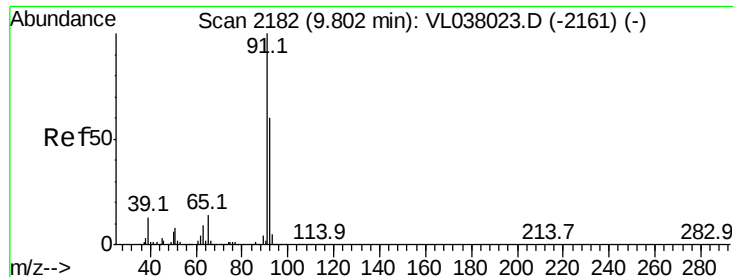
164 100

166 130.3 98.6 148.0

129 102.5 84.1 126.1

131 99.4 79.8 119.8





#53

Toluene

Concen: 2.704 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File:

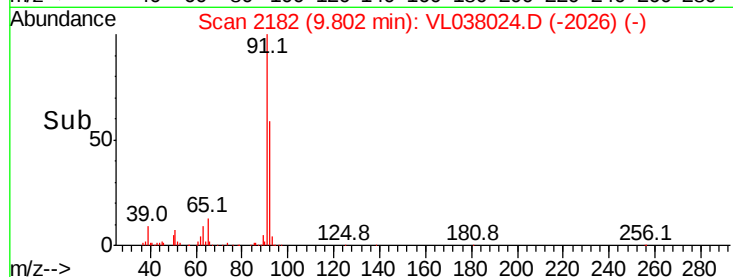
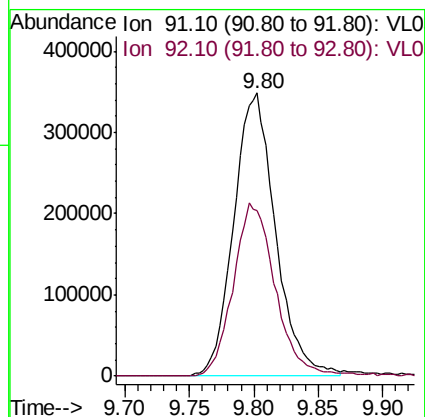
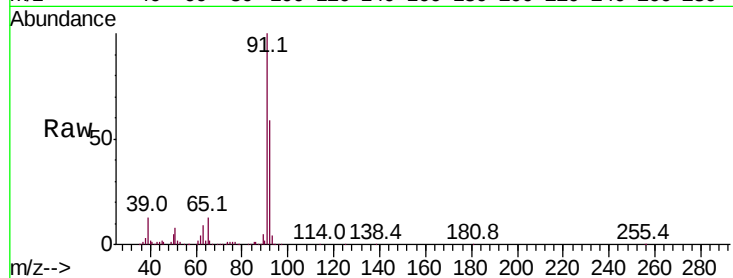
Acq: 16 Nov 2021 2:28

Tot Ion: 91 Resp: 779467

Ion Ratio Lower Upper

91 100

92 62.6 49.4 74.2



#54

1,2-Dibromoethane

Concen: 2.553 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL038024.D

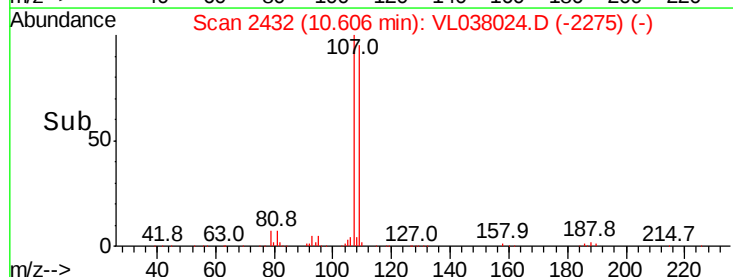
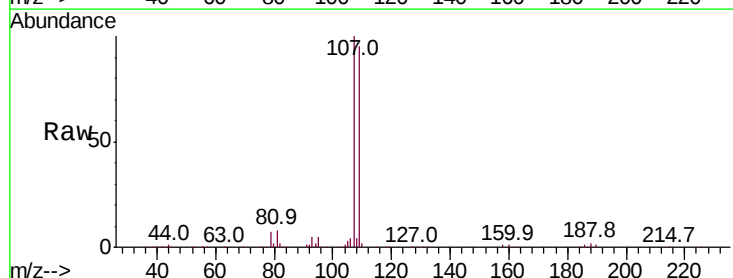
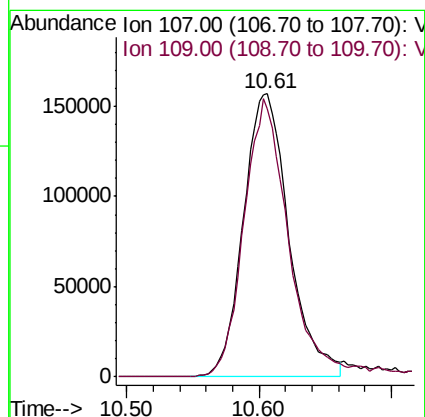
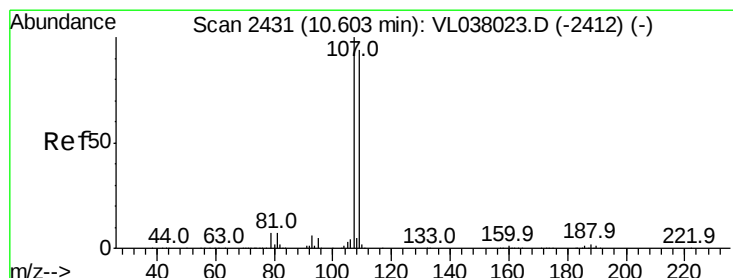
Acq: 16 Nov 2021 2:28

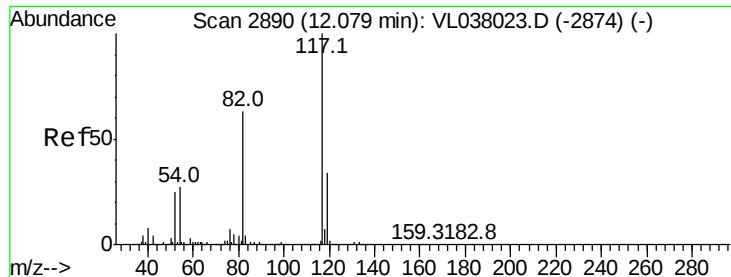
Tgt Ion: 107 Resp: 374657

Ion Ratio Lower Upper

107 100

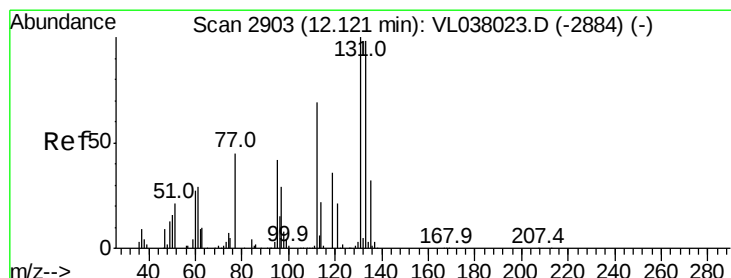
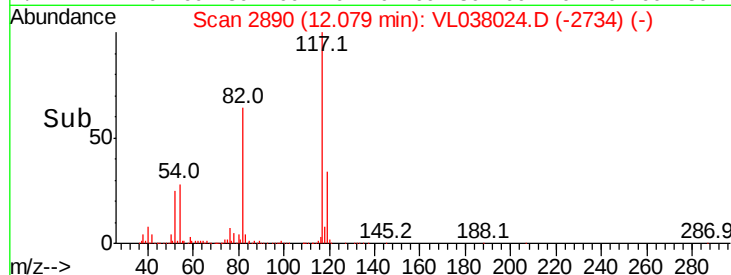
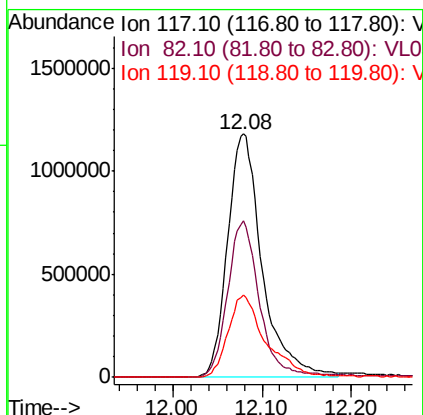
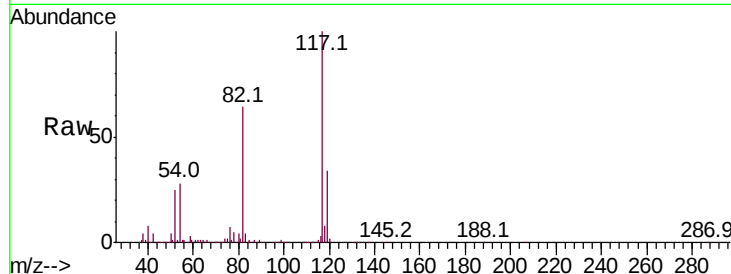
109 94.7 75.0 112.6





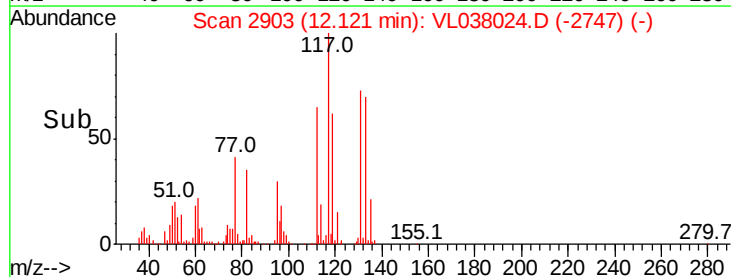
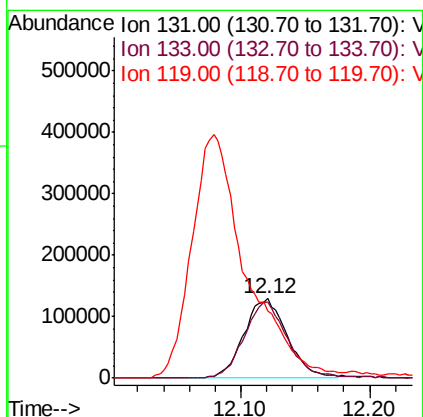
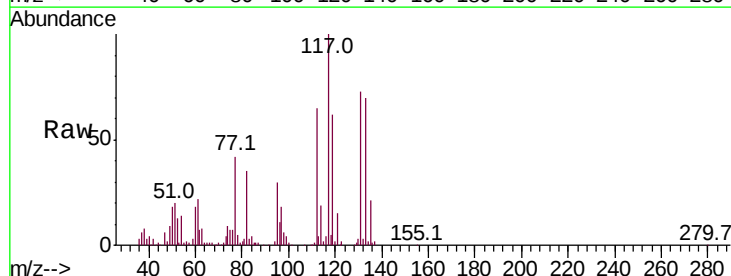
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 2:28

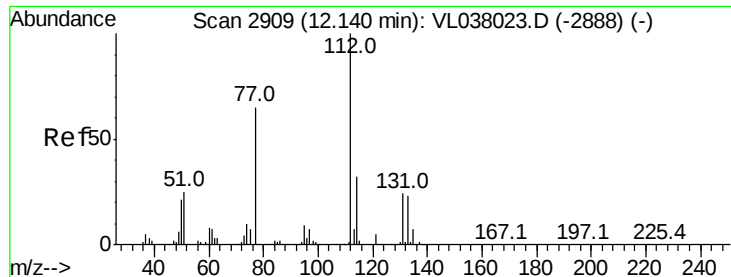
Tot Ion:117 Resp: 3182496
Ion Ratio Lower Upper
117 100
82 61.2 50.0 75.0
119 37.1 44.9 67.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 2.359 ppbv
RT: 12.12 min Scan# 2903
Delta R.T.: 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion:131 Resp: 302114
Ion Ratio Lower Upper
131 100
133 97.8 77.8 116.8
119 395.3 121.1 181.7#





#57

Chlorobenzene

Concen: 2.257 ppbv

RT: 12.14 min

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 2:28

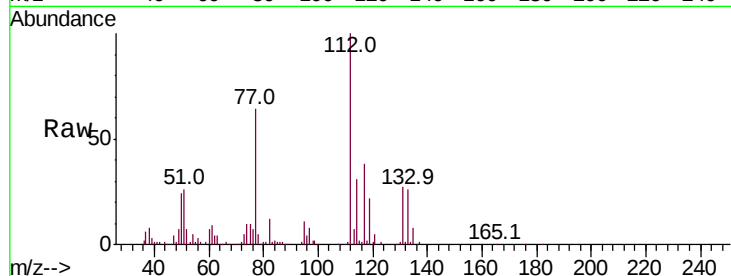
Tot Ion: 112 Resp: 567767

Ion Ratio Lower Upper

112 100

77 61.2 52.1 78.1

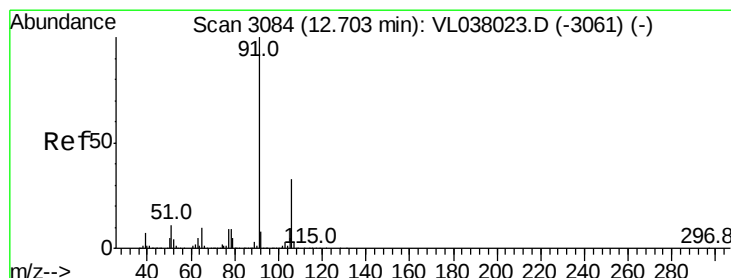
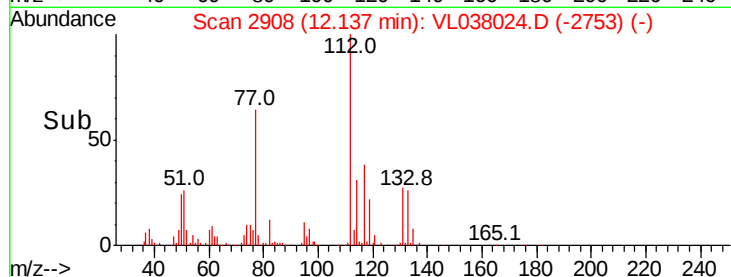
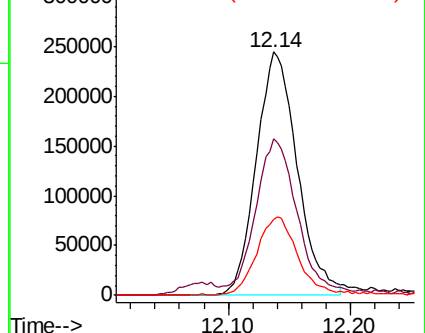
114 30.7 29.1 35.5



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: 2.677 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL038024.D

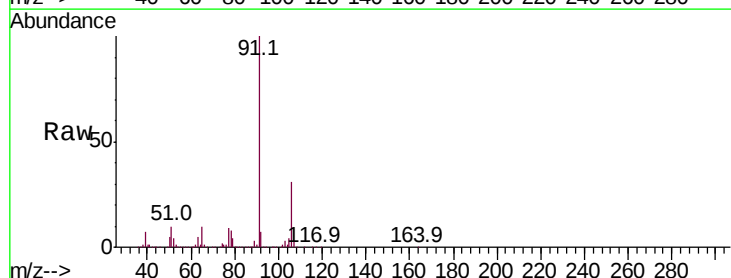
Acq: 16 Nov 2021 2:28

Tgt Ion: 91 Resp: 1046632

Ion Ratio Lower Upper

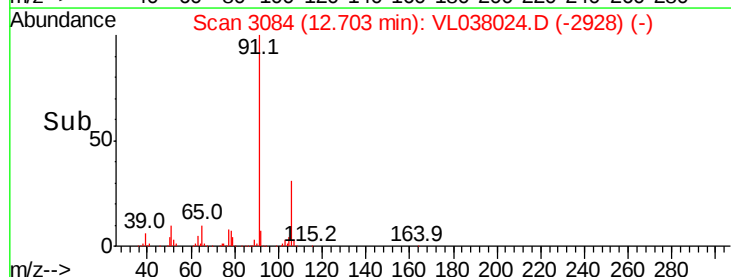
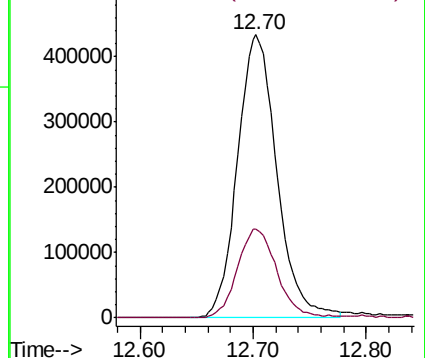
91 100

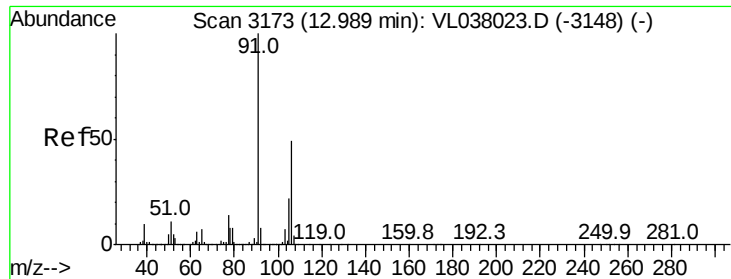
106 31.3 26.2 39.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 2.258 ppbv

RT: 12.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

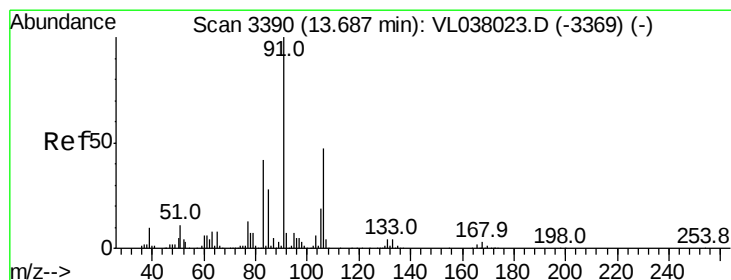
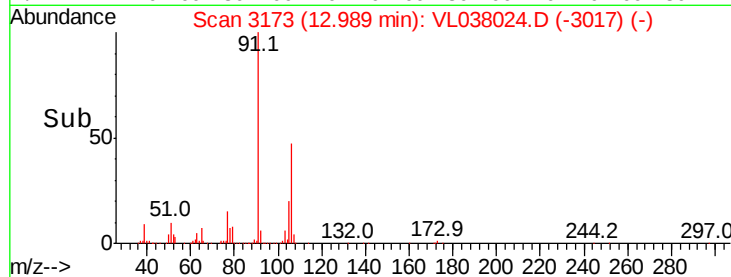
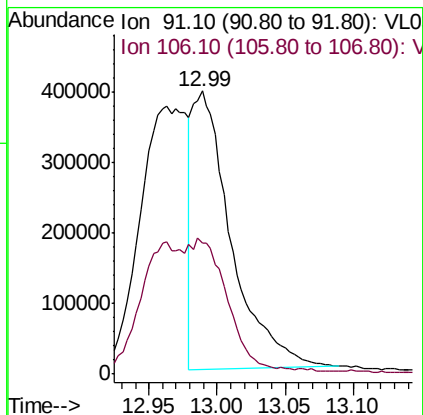
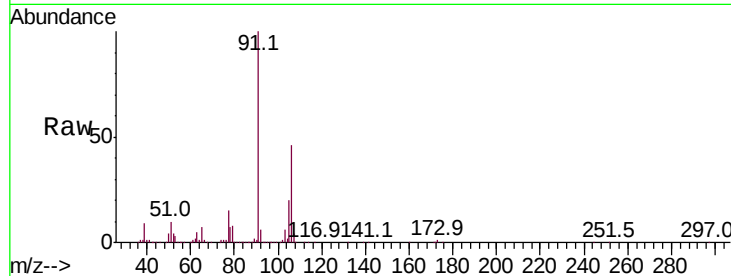
Acq: 16 Nov 2021 2:28

Tot Ion: 91 Resp: 775033

Ion Ratio Lower Upper

91 100

106 103.7 38.5 57.7#



#60

o-Xylene

Concen: 2.520 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VL038024.D

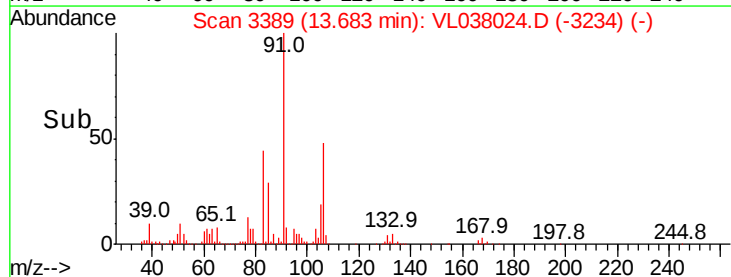
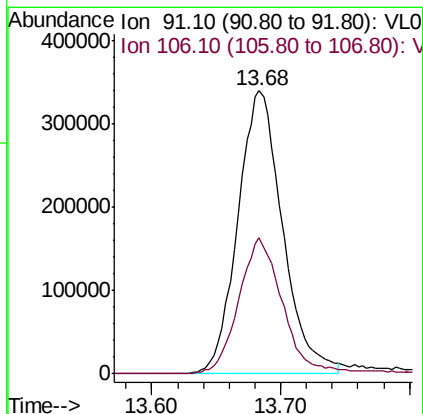
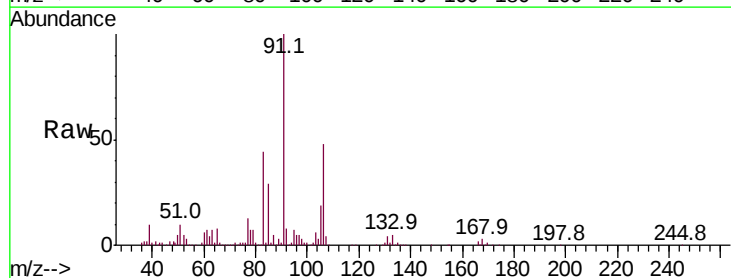
Acq: 16 Nov 2021 2:28

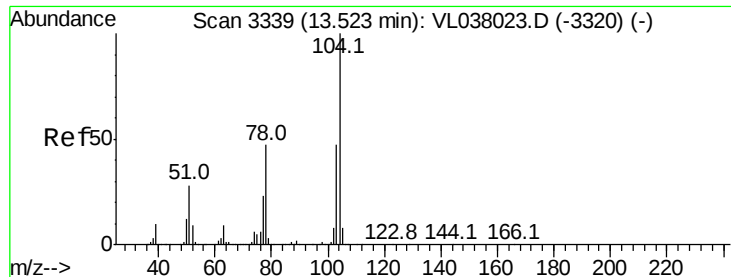
Tgt Ion: 91 Resp: 813901

Ion Ratio Lower Upper

91 100

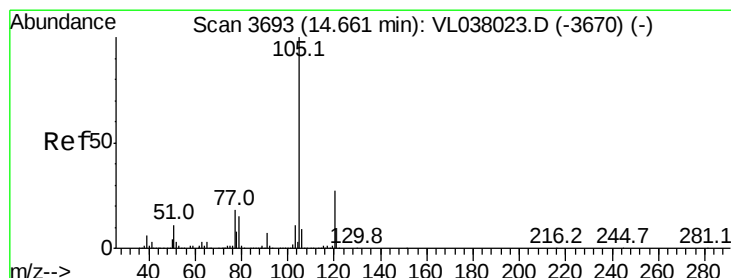
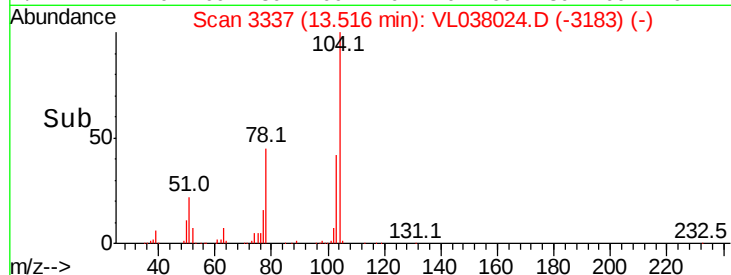
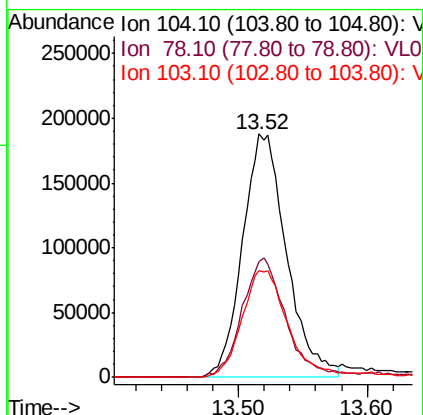
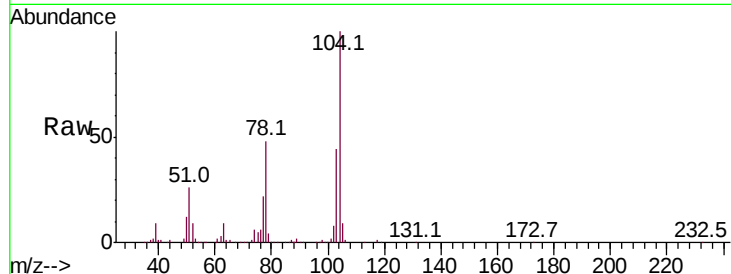
106 48.5 24.2 72.6





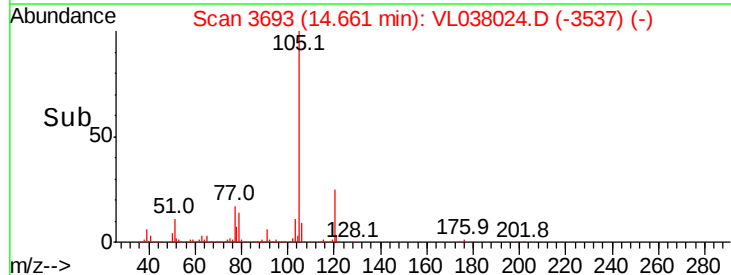
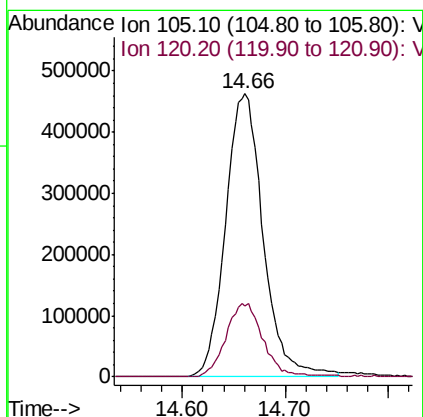
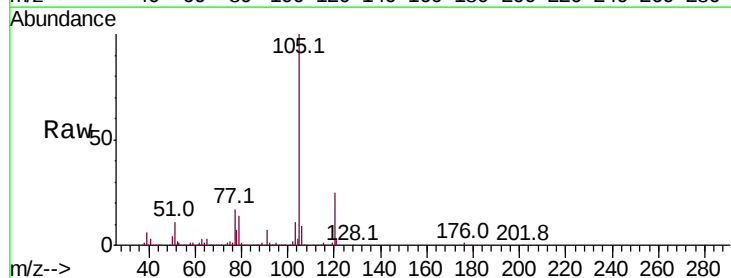
#61
Stvrene
Concen: 2.933 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 16 Nov 2021 2:28

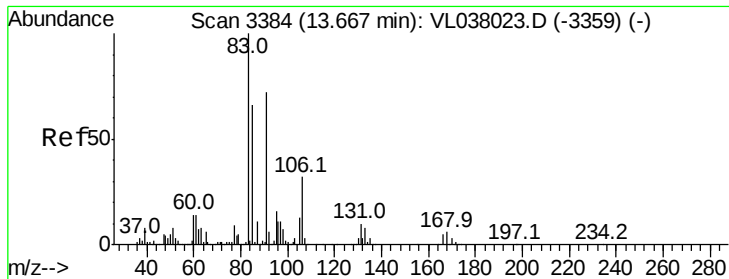
Tot Ion	Ratio	Lower	Upper
104	100		
78	50.2	38.7	58.1
103	47.0	36.8	55.2



#62
Isopropylbenzene
Concen: 2.522 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.00 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.7	32.5





#63

1,1,2,2-Tetrachloroethane

Concen: 2.059 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 2:28

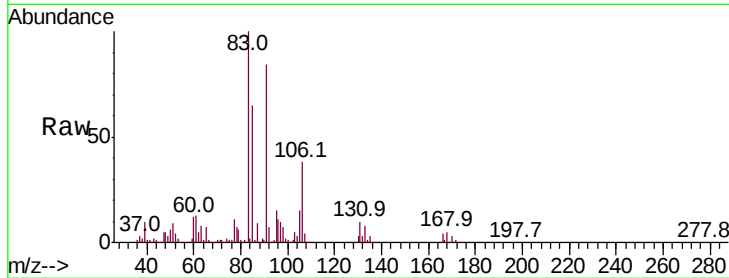
Tot Ion: 83 Resp: 572182

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

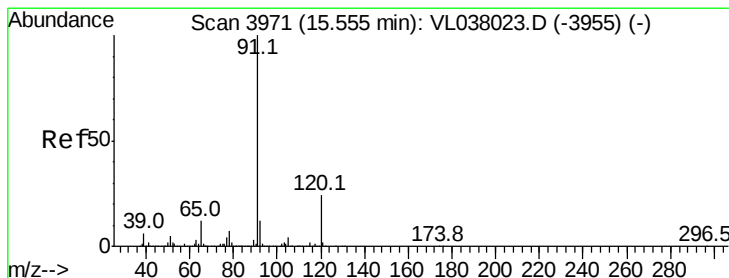
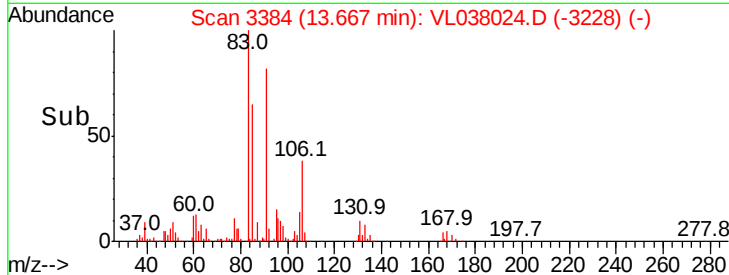
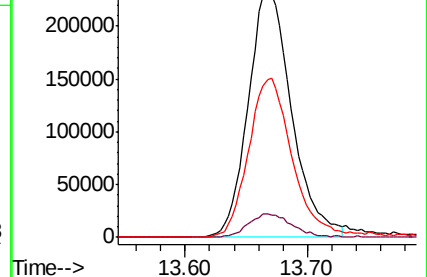
85 67.1 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.602 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL038024.D

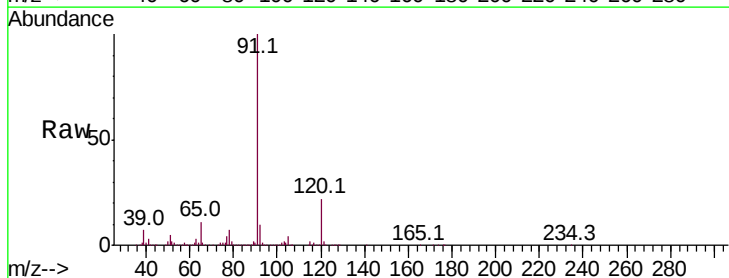
Acq: 16 Nov 2021 2:28

Tgt Ion:120 Resp: 305513

Ion Ratio Lower Upper

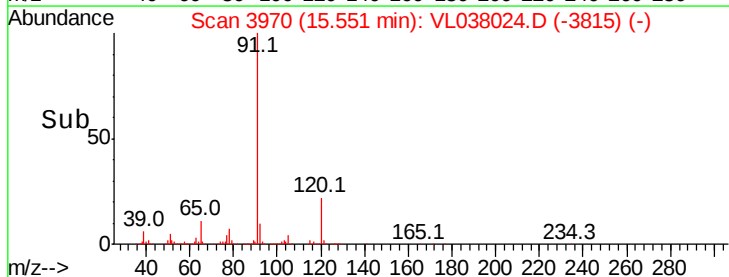
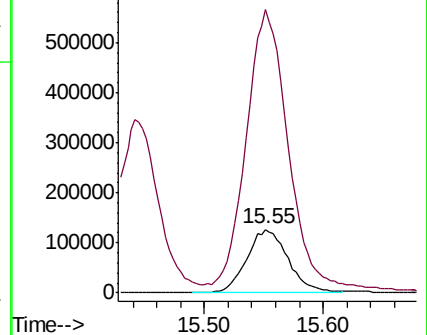
120 100

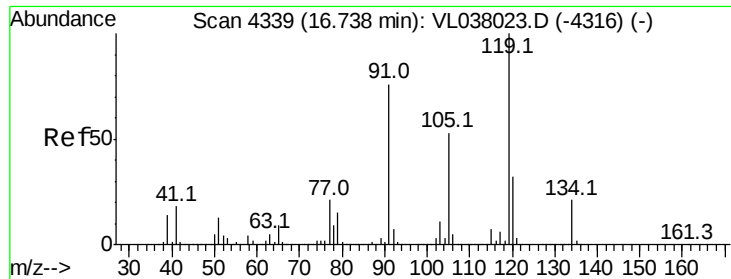
91 466.4 367.4 551.0



Abundance Ion 120.20 (119.90 to 120.90): VL0

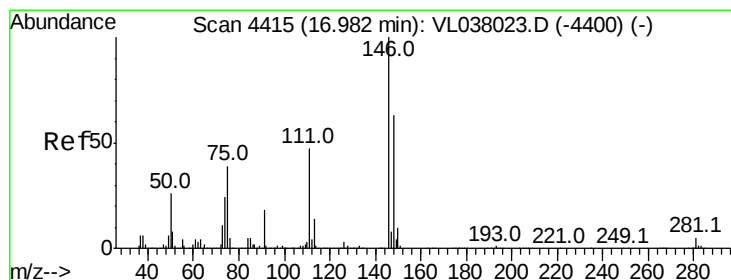
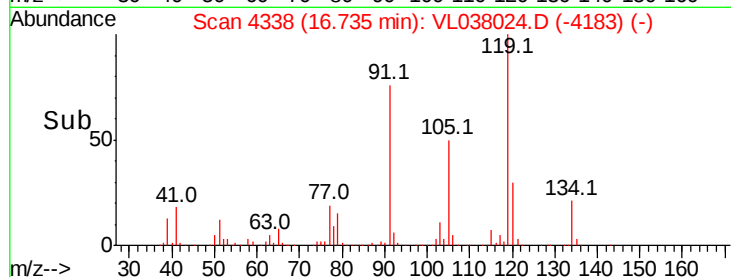
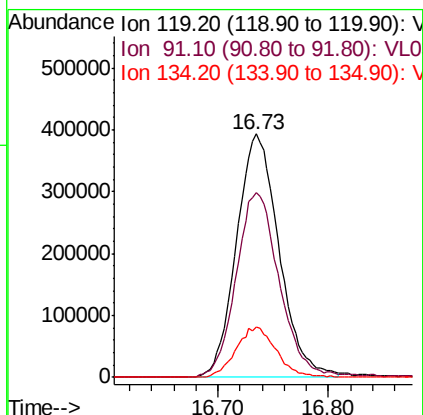
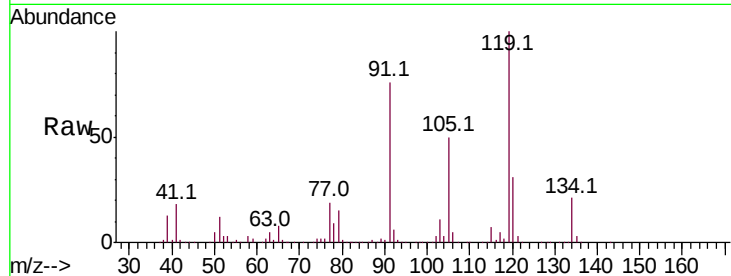
Ion 91.10 (90.80 to 91.80): VL0





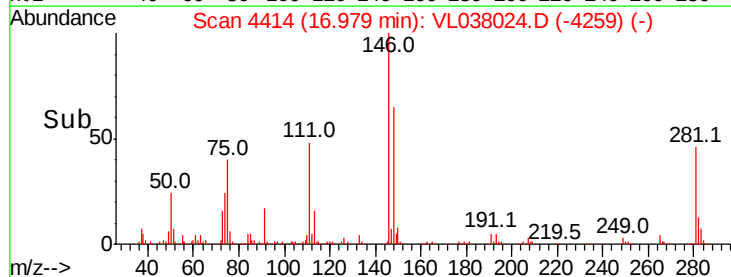
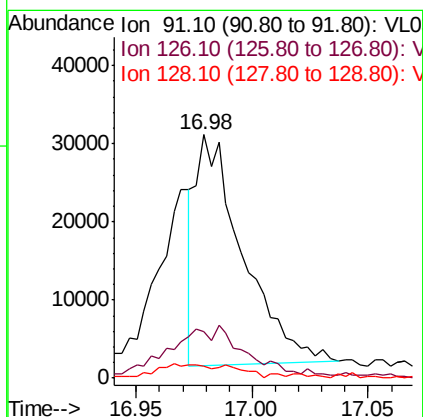
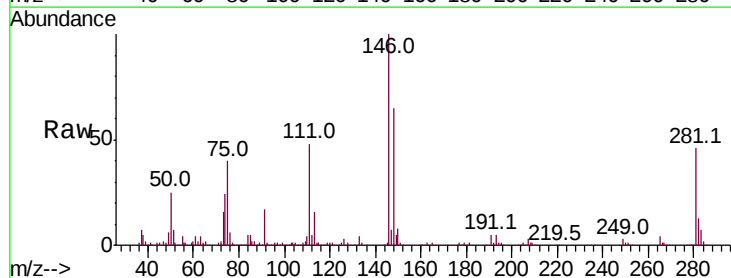
#65
 tert-Butylbenzene
 Concen: 2.592 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 2:28

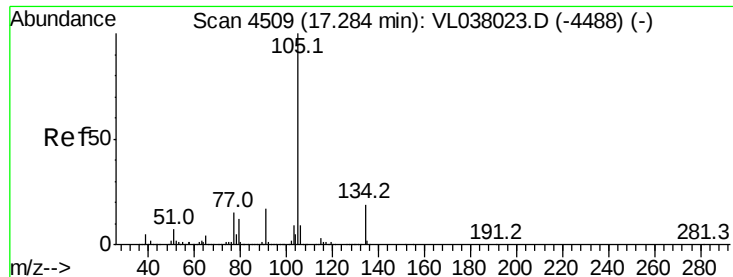
Tot Ion: 119 Resp: 1050164
 Ion Ratio Lower Upper
 119 100
 91 77.9 62.6 93.8
 134 19.9 16.1 24.1



#66
 Benzyl Chloride
 Concen: 1.874 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T.: -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

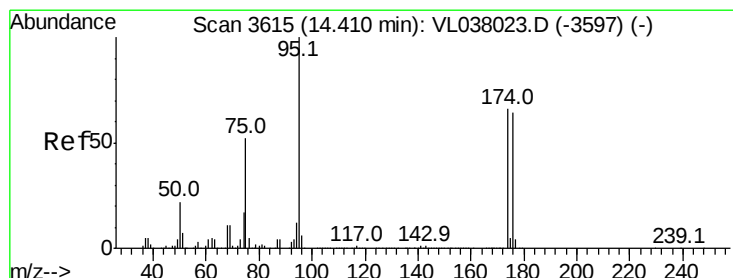
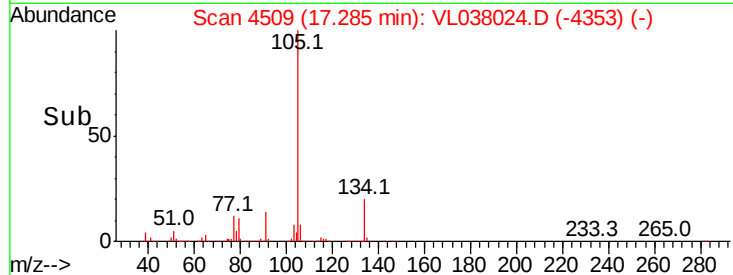
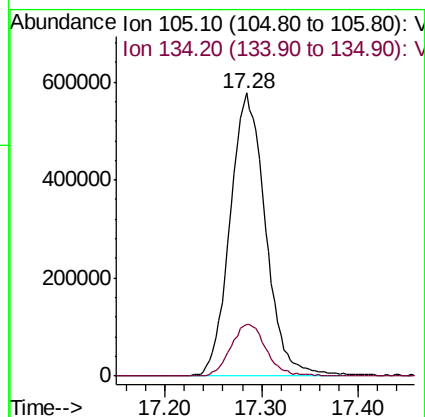
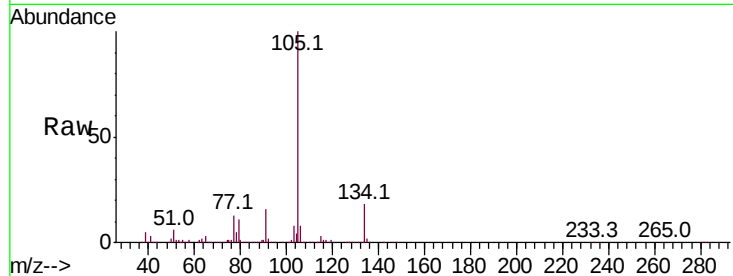
Tgt Ion: 91 Resp: 41303
 Ion Ratio Lower Upper
 91 100
 126 40.5 16.4 24.6#
 128 0.0 5.6 8.4#





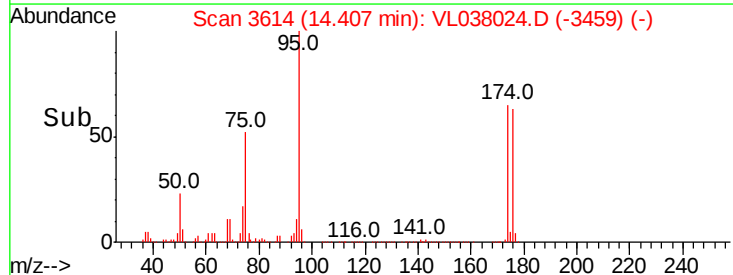
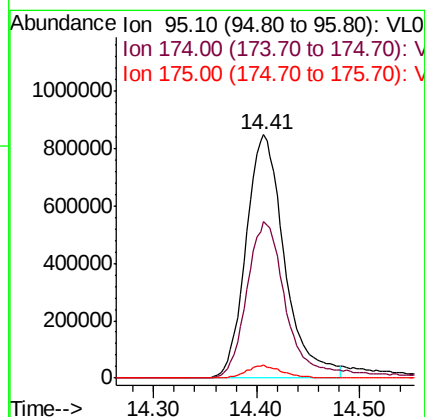
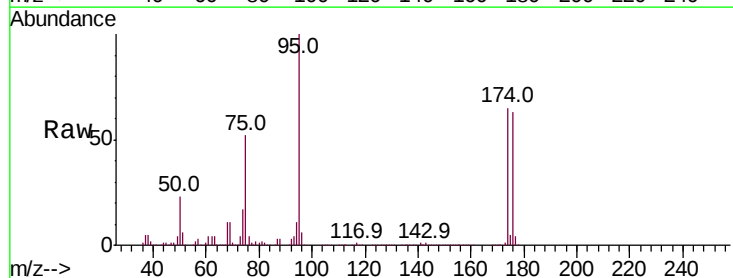
#67
 sec-Butylbenzene
 Concen: 2.629 ppbv
 RT: 17.28 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

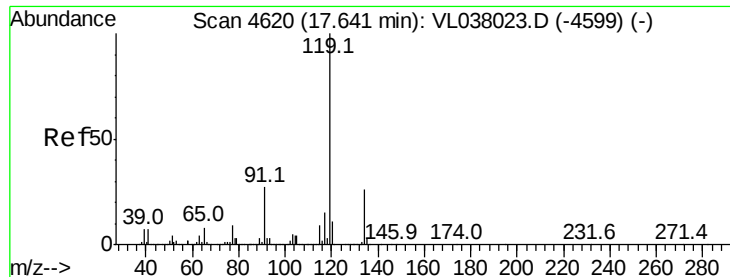
Tot Ion: 105 Resp: 1467623
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.3 22.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.636 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

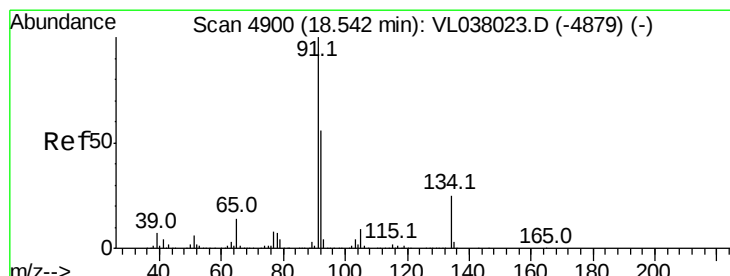
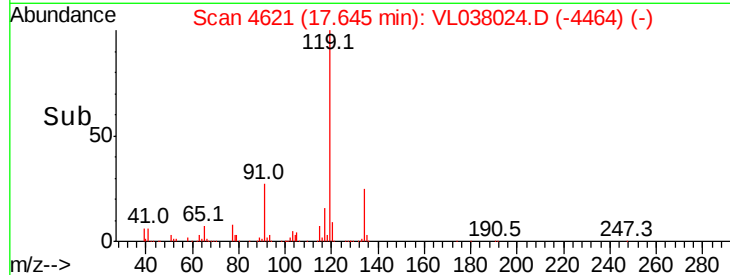
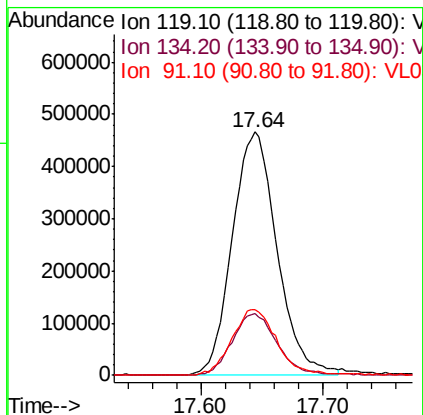
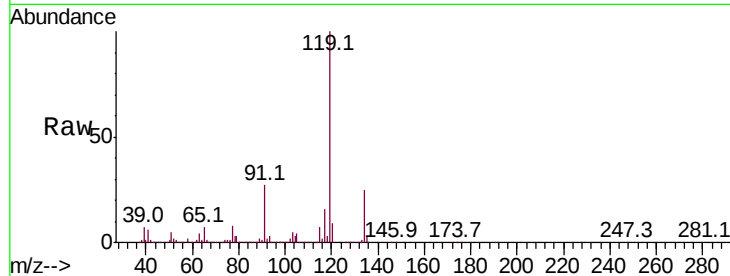
Tgt Ion: 95 Resp: 2203193
 Ion Ratio Lower Upper
 95 100
 174 68.1 54.9 82.3
 175 4.8 4.0 6.0





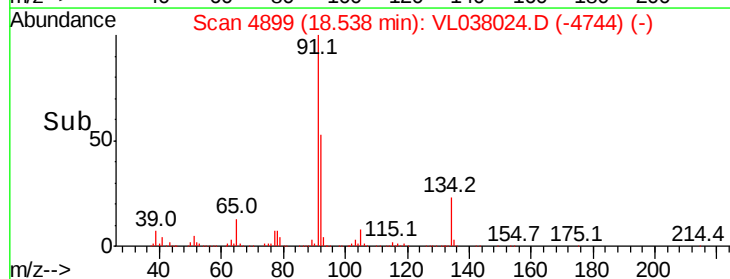
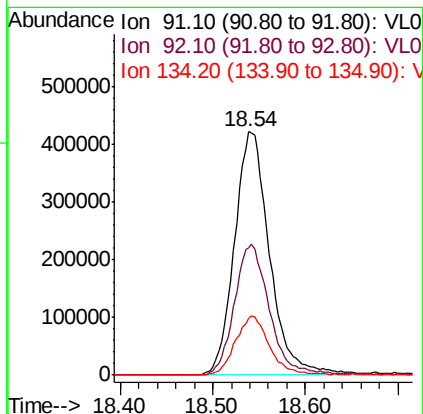
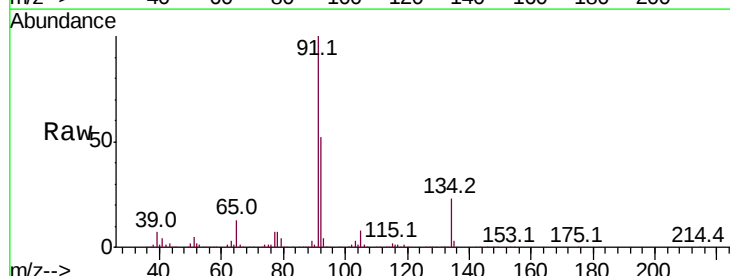
#69
 p-Isopropyltoluene
 Concen: 2.626 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 2:28

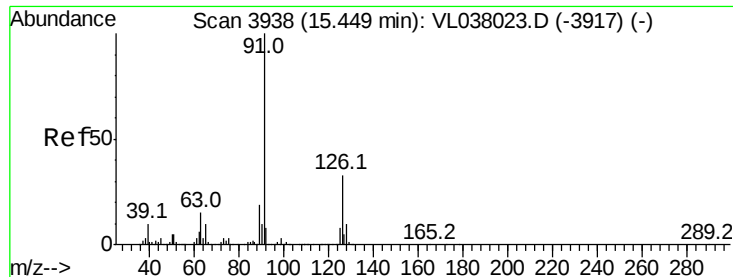
Tot Ion:	119	Resp:	1173676
Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.2	31.8
91	28.2	22.2	33.2



#70
 n-Butylbenzene
 Concen: 2.685 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T.: -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

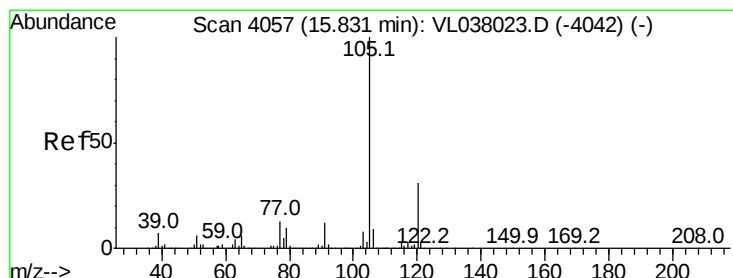
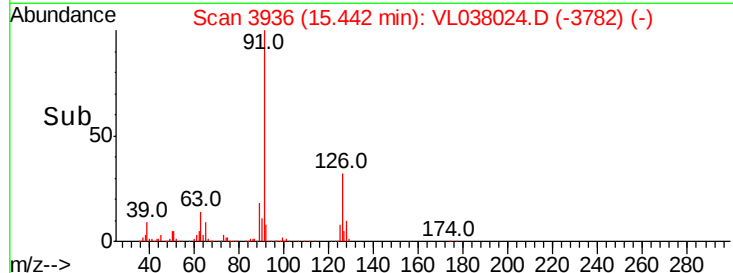
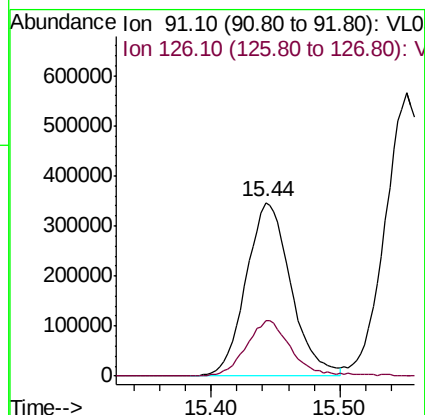
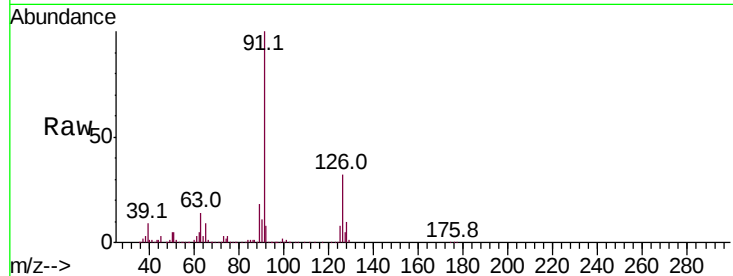
Tgt Ion:	91	Resp:	1101726
Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.2	66.2
134	24.0	19.7	29.5





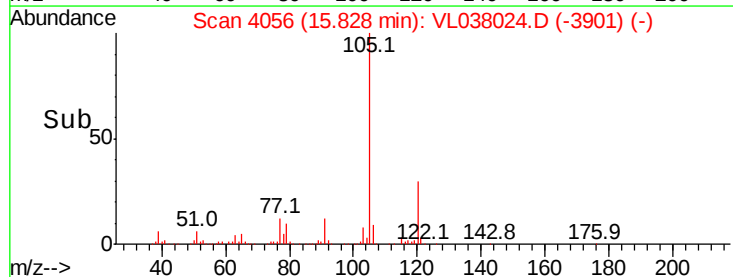
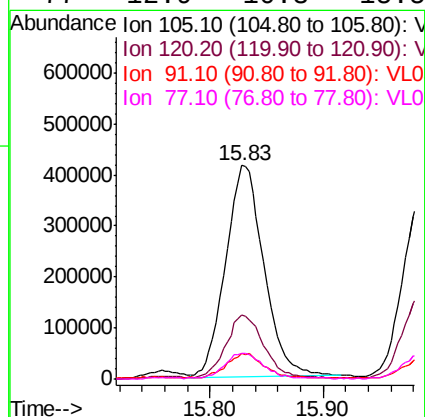
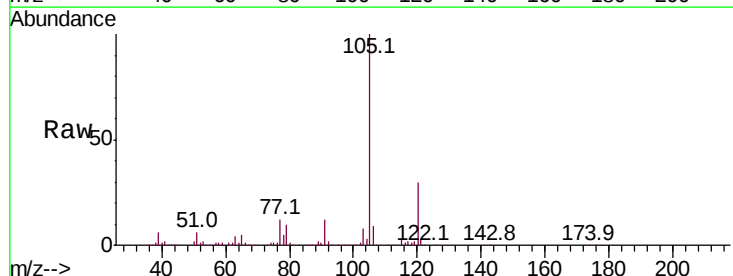
#71
 2-Chlorotoluene
 Concen: 2.604 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 16 Nov 2021 2:28

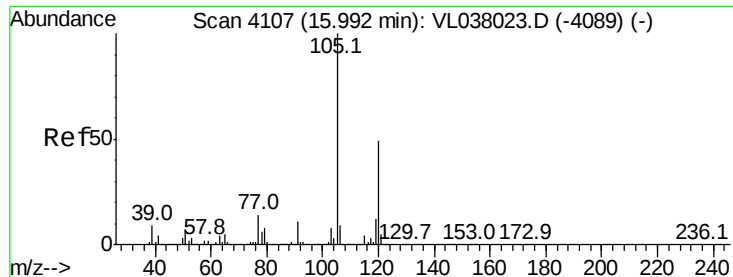
Tot Ion: 91 Resp: 838649
 Ion Ratio Lower Upper
 91 100
 126 32.8 13.5 54.1



#72
 4-Ethyltoluene
 Concen: 2.613 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

Tgt Ion: 105 Resp: 977234
 Ion Ratio Lower Upper
 105 100
 120 30.7 24.6 36.8
 91 11.3 9.3 13.9
 77 12.9 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 2.539 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

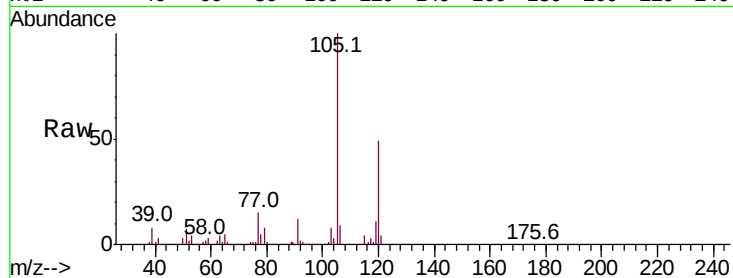
Acq: 16 Nov 2021 2:28

Tot Ion:105 Resp: 881727

Ion Ratio Lower Upper

105 100

120 48.6 38.8 58.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

400000

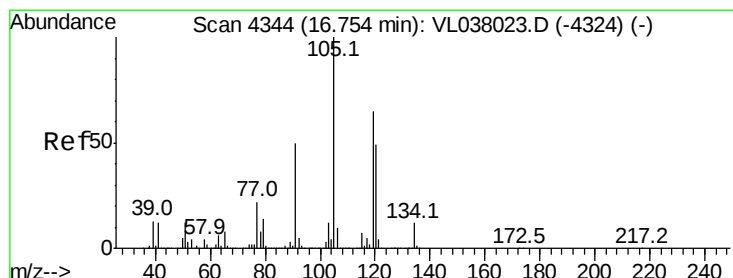
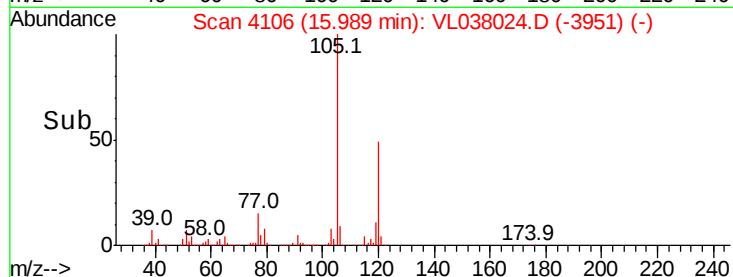
300000

200000

100000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 2.537 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

Tgt Ion:105 Resp: 918375

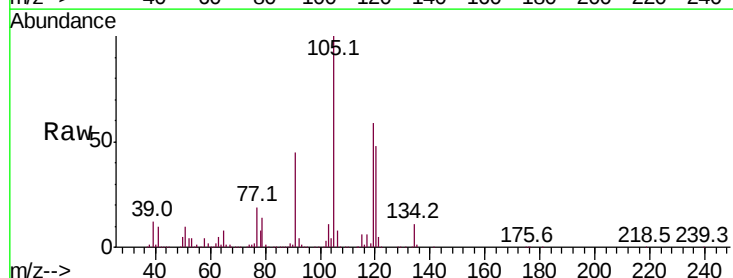
Ion Ratio Lower Upper

105 100

120 48.2 39.5 59.3

91 43.8 40.9 61.3

77 19.1 17.2 25.8



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

500000

400000

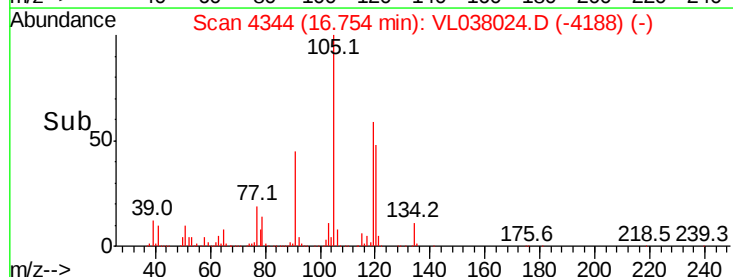
300000

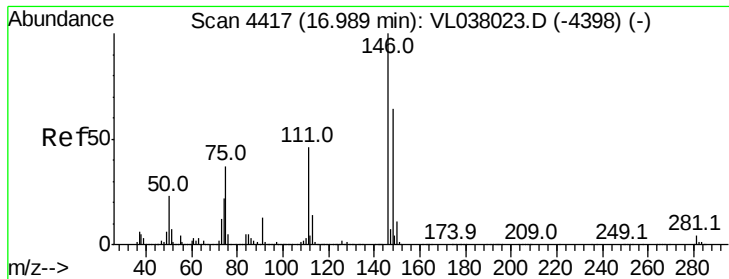
200000

100000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 2.182 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File:

Acq: 16 Nov 2021 2:28

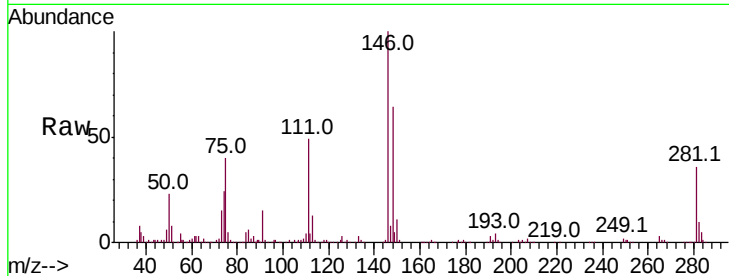
Tot Ion:146 Resp: 489815

Ion Ratio Lower Upper

146 100

111 48.3 23.1 69.3

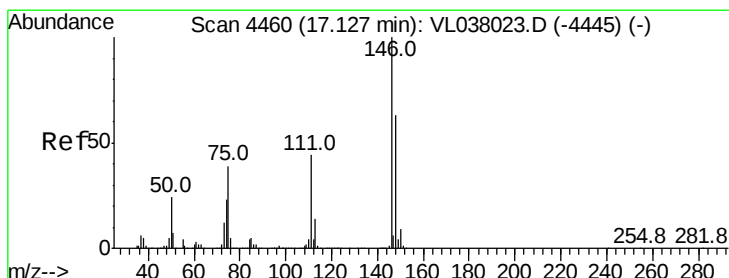
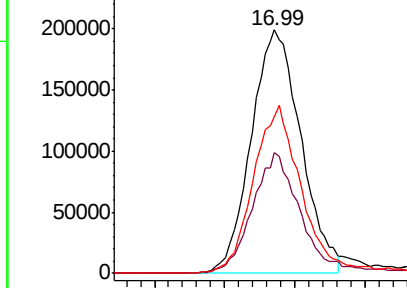
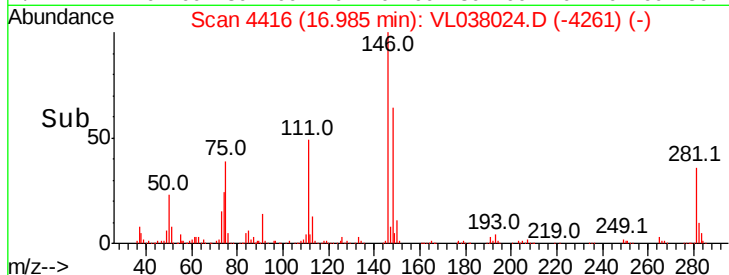
148 67.1 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 2.175 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. 0.00 min

Lab File: VL038024.D

Acq: 16 Nov 2021 2:28

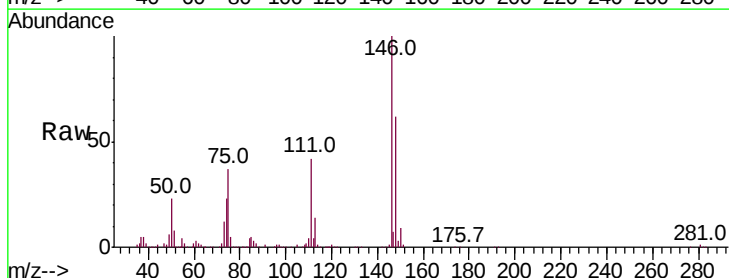
Tgt Ion:146 Resp: 473609

Ion Ratio Lower Upper

146 100

111 50.0 22.5 67.5

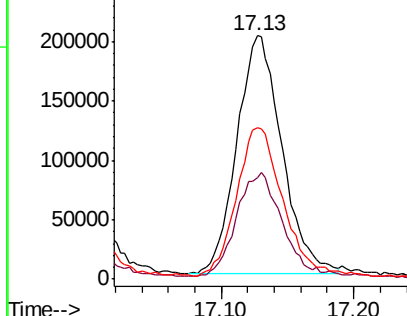
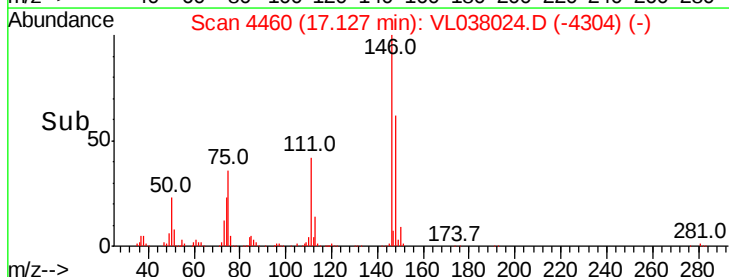
148 67.7 32.6 98.0

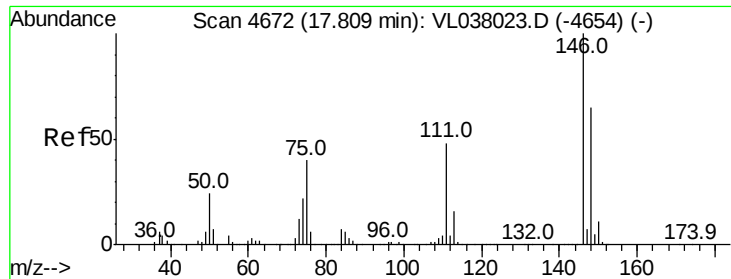


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

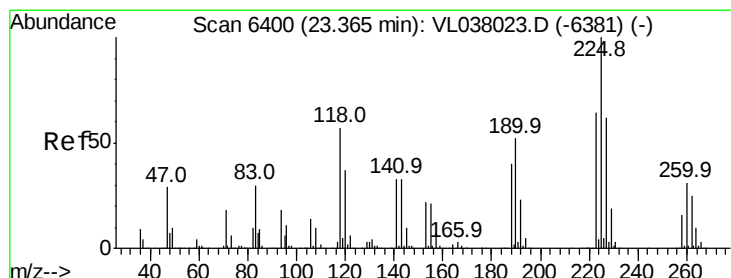
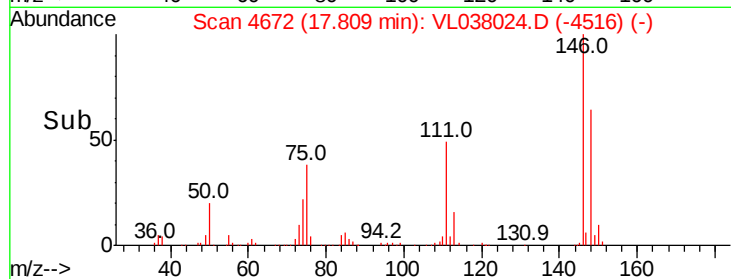
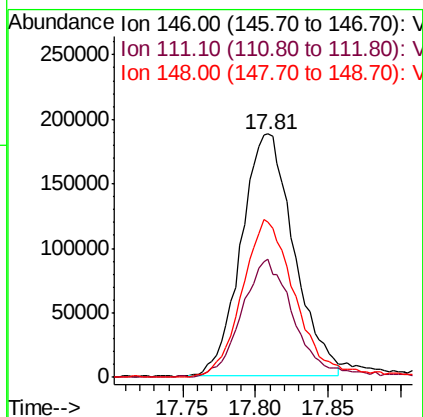
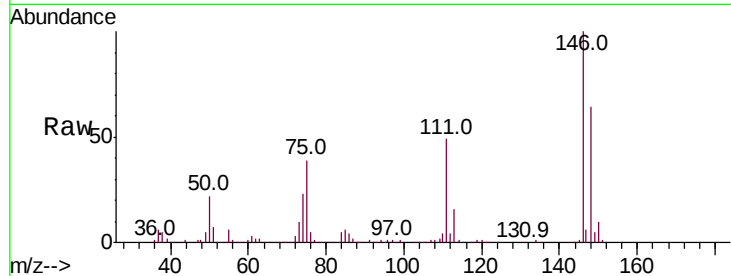
Ion 148.00 (147.70 to 148.70): V





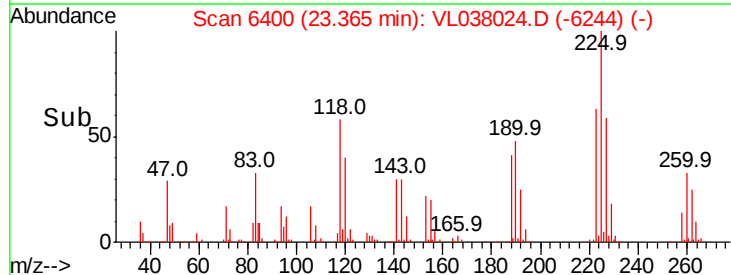
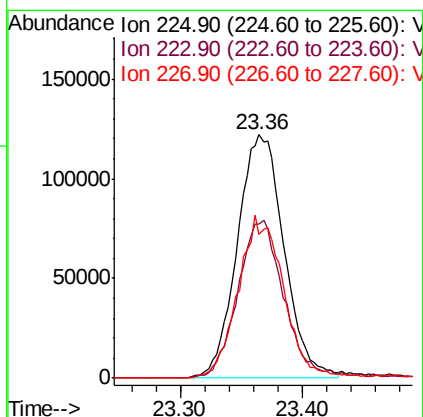
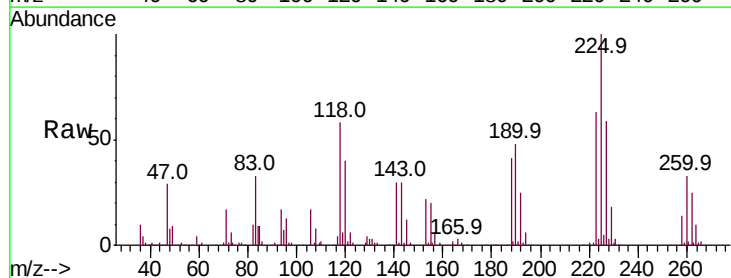
#77
 1,2-Dichlorobenzene
 Concen: 2.246 ppbv
 RT: 17.81 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 16 Nov 2021 2:28

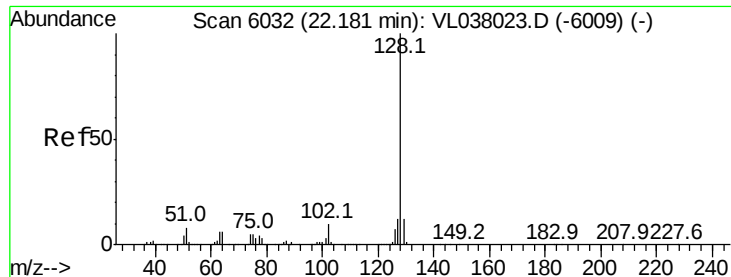
Tot Ion	Ratio	Lower	Upper
146	100		
111	50.1	24.2	72.6
148	66.2	32.5	97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.859 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T.: 0.00 min
 Lab File: VL038024.D
 Acq: 16 Nov 2021 2:28

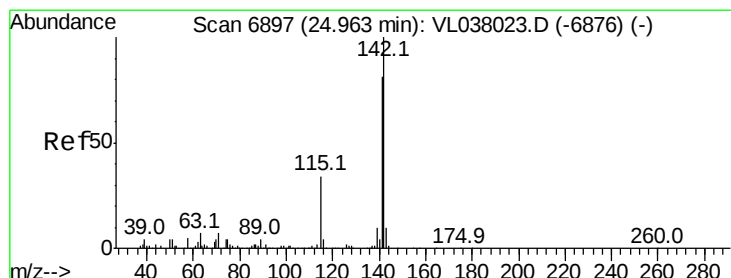
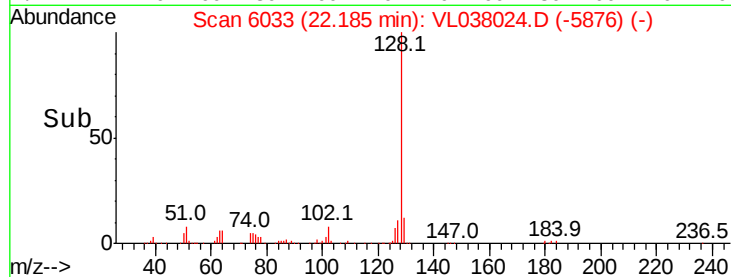
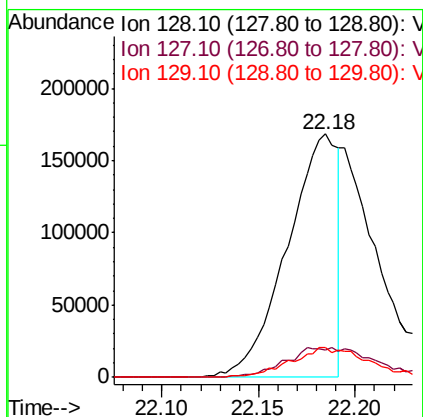
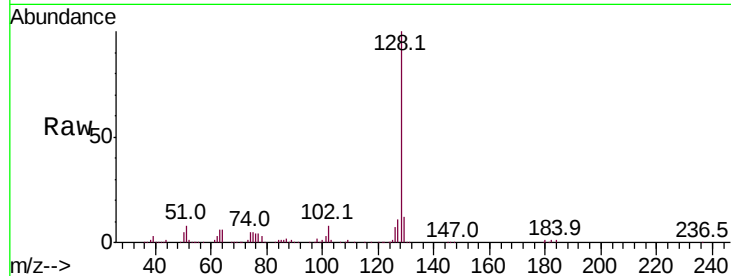
Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	51.0	76.4
227	64.5	51.4	77.2





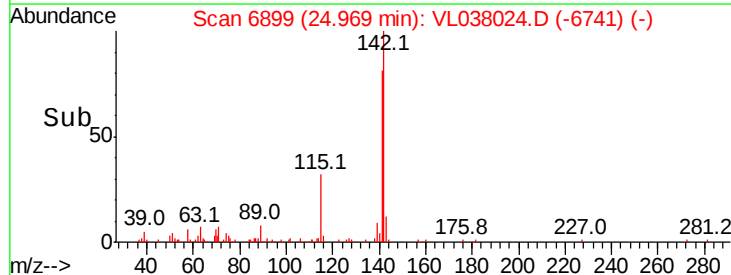
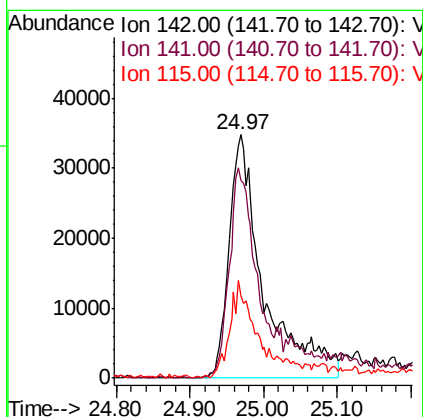
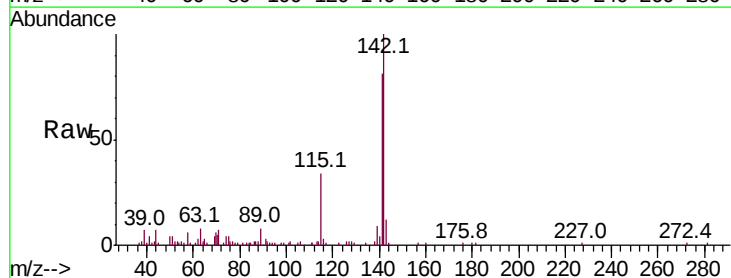
#79
Naphthalene
Concen: 1.533 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 16 Nov 2021 2:28

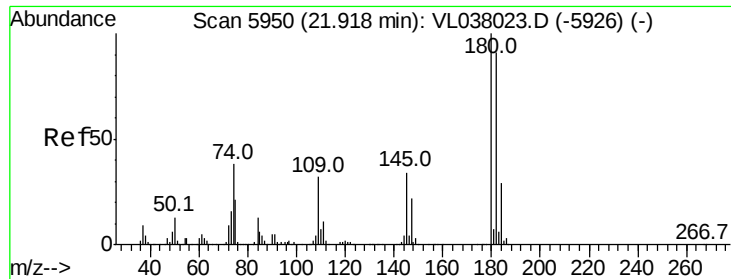
Tot Ion:	128	Resp:	305664
Ion	Ratio	Lower	Upper
128	100		
127	10.9	9.8	14.6
129	12.1	9.4	14.0



#80
Naphthalene, 2-methyl-
Concen: 3.314 ppbv
RT: 24.97 min Scan# 6899
Delta R.T.: 0.01 min
Lab File: VL038024.D
Acq: 16 Nov 2021 2:28

Tgt Ion:	142	Resp:	113748
Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.4	110.0
115	33.0	28.1	42.1





#81

1,2,4-Trichlorobenzene

Concen: 2.211 ppbv

RT: 21.91 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 16 Nov 2021 2:28

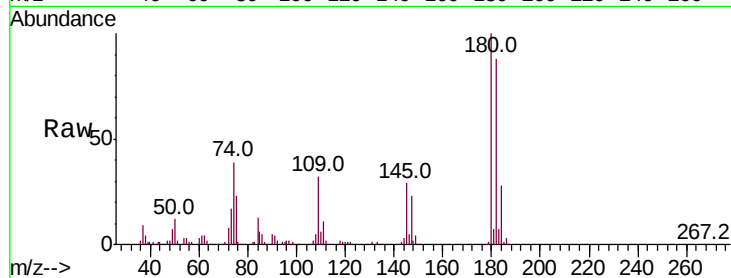
Tot Ion:180 Resp: 286658

Ion Ratio Lower Upper

180 100

182 100.2 78.8 118.2

184 31.2 24.3 36.5



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

