

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032822\
 Data File : VL038769.D
 Acq On : 28 Mar 2022 13:28
 Operator : SY/AP
 Sample : VL0328ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0328ABS01

Quant Time: Apr 05 05:58:43 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	910773	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2491013	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	2789123	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1762066	8.24	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1127886	9.212 ppbv	99
3) Chlorodifluoromethane	3.00	51	882198	9.171 ppbv	99
4) Chloromethane	3.15	50	465536	8.815 ppbv	99
5) Vinyl Chloride	3.27	62	489232	9.117 ppbv	96
6) Bromomethane	3.48	94	270461	9.454 ppbv	100
7) Chloroethane	3.57	64	174683	9.833 ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1158666	9.479 ppbv	97
9) Propene	3.02	41	392773	8.458 ppbv	100
10) Heptane	8.13	43	964402	8.687 ppbv	98
11) Trichlorofluoromethane	3.96	101	1095903	10.142 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	849027	10.207 ppbv	99
13) Ethanol	3.62	45	27004	5.271 ppbv	93
14) Bromoethene	3.75	108	387155	10.472 ppbv	96
15) Acetone	3.86	43	744714	9.476 ppbv	100
16) 1,3-Butadiene	3.34	39	422906	9.482 ppbv	98
17) tert-Butyl alcohol	4.29	59	821040	11.962 ppbv	100
18) 1,1-Dichloroethene	4.30	96	390203	10.442 ppbv	98
19) Isopropyl Alcohol	3.97	45	421817	9.681 ppbv #	98
20) Methylene Chloride	4.35	84	320377	9.679 ppbv	99
21) Allyl Chloride	4.42	41	588665	10.408 ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	422399	10.897 ppbv	95
23) Vinyl Acetate	5.08	43	601444	7.903 ppbv	99
24) 1,1-Dichloroethane	5.02	63	765204	10.210 ppbv	99
25) Ethyl Acetate	5.68	43	1958088	9.898 ppbv	98
26) Hexane	5.69	57	800150	9.034 ppbv	93
27) Carbon Disulfide	4.56	76	996242	11.466 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	738534	11.194 ppbv	98
29) Chloroform	5.76	83	1295698	9.137 ppbv	100
30) Cyclohexane	7.14	84	685047	8.896 ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	802130	9.632 ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	1299143	9.493 ppbv	99
34) 2-Butanone	5.25	43	887479	9.001 ppbv	99
35) Carbon Tetrachloride	7.02	117	1363439	9.433 ppbv	99
36) Benzene	6.90	78	1685767	8.768 ppbv	99
37) 1,2-Dichloroethane	6.31	62	888037	9.081 ppbv	100
38) Trichloroethene	7.84	130	706363	8.771 ppbv	98
39) 1,2-Dichloropropane	7.62	63	637179	8.478 ppbv	99
40) 1,4-Dioxane	7.84	88	221739	8.496 ppbv	94
41) Tetrahydrofuran	6.06	42	632273	8.616 ppbv	96
42) Bromodichloromethane	7.80	83	1368359	9.332 ppbv	100
43) Methyl Methacrylate	8.02	69	707440	9.911 ppbv	97

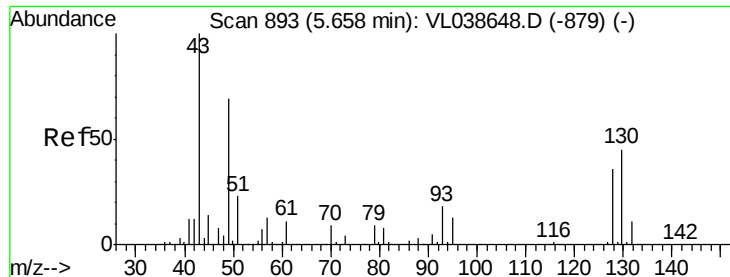
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032822\
 Data File : VL038769.D
 Acq On : 28 Mar 2022 13:28
 Operator : SY/AP
 Sample : VL0328ABS01
 Misc : 400mL/MSVOA L
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 VL0328ABS01

Quant Time: Apr 05 05:58:43 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2697424	8.357	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	786472	10.837	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	973176	9.917	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	690029	8.599	ppbv	98
48) Dibromochloromethane	10.31	129	1225789	9.752	ppbv	100
49) Bromoform	13.05	173	1019274	9.950	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1565822	8.542	ppbv	98
51) 2-Hexanone	10.13	43	1201782	9.128	ppbv #	98
52) Tetrachloroethene	11.23	164	617869	8.782	ppbv	97
53) Toluene	9.81	91	1901521	9.205	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1038403	9.477	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	898031	7.766	ppbv #	59
57) Chlorobenzene	12.15	112	1414586	7.032	ppbv	99
58) Ethyl Benzene	12.72	91	2449625	7.513	ppbv	100
59) m/p-Xylene	13.00	91	2053695	7.200	ppbv #	29
60) o-Xylene	13.70	91	1968851	7.270	ppbv	100
61) Styrene	13.53	104	1185273	8.071	ppbv	98
62) Isopropylbenzene	14.67	105	3044972	7.479	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1383254	6.594	ppbv	100
64) n-propylbenzene	15.56	120	820420	7.680	ppbv	99
65) tert-Butylbenzene	16.75	119	2708487	7.404	ppbv	98
66) Benzyl Chloride	16.99	91	626321	9.042	ppbv	100
67) sec-Butylbenzene	17.30	105	3834309	7.329	ppbv	100
69) p-Isopropyltoluene	17.66	119	3157459	7.395	ppbv	99
70) n-Butylbenzene	18.55	91	3248134	7.375	ppbv	100
71) 2-Chlorotoluene	15.46	91	2297253	7.602	ppbv	100
72) 4-Ethyltoluene	15.84	105	2391980	7.482	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	2087954	7.167	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	2236703	7.049	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1362620	6.742	ppbv	100
76) 1,4-Dichlorobenzene	17.14	146	1339754	6.666	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	1310988	6.548	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	969677	5.240	ppbv	100
79) Naphthalene	22.20	128	1686266	6.956	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	398701	6.133	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	968529	5.836	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.

Lab File: ClientSampleId:

Acq: 28 Mar 2022 13:28

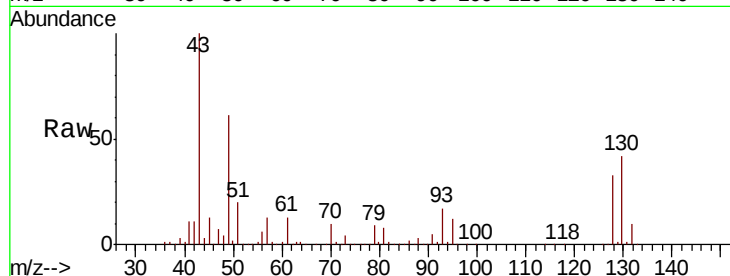
Tot Ion: 49 Resp: 910773

Ion Ratio Lower Upper

49 100

128 56.2 26.2 78.6

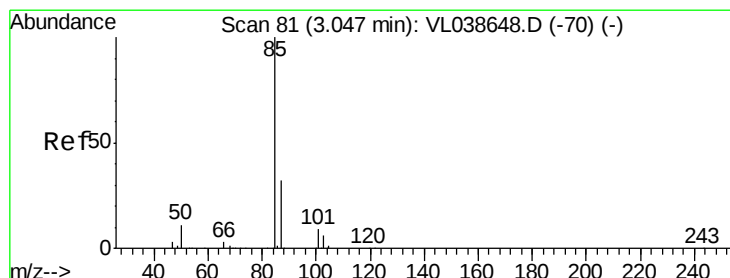
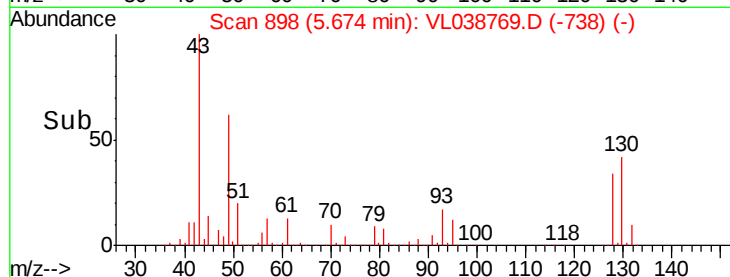
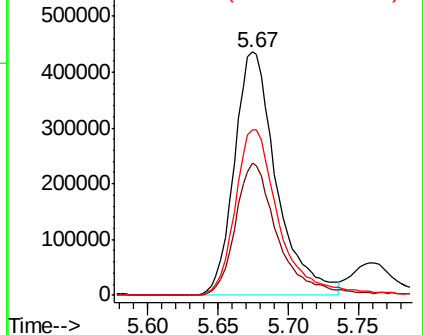
130 71.9 33.7 101.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.212 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL038769.D

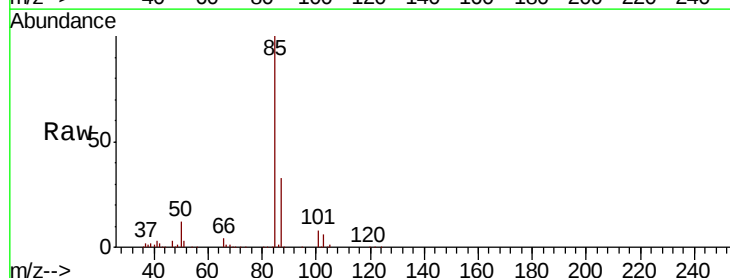
Acq: 28 Mar 2022 13:28

Tgt Ion: 85 Resp: 1127886

Ion Ratio Lower Upper

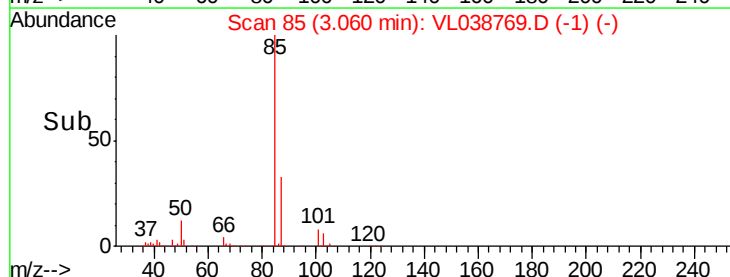
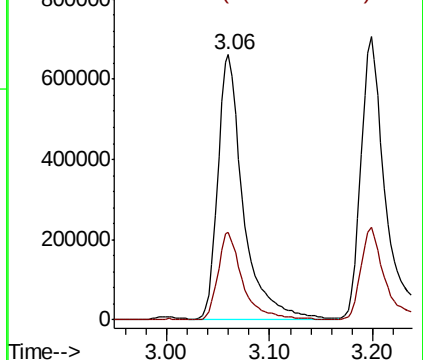
85 100

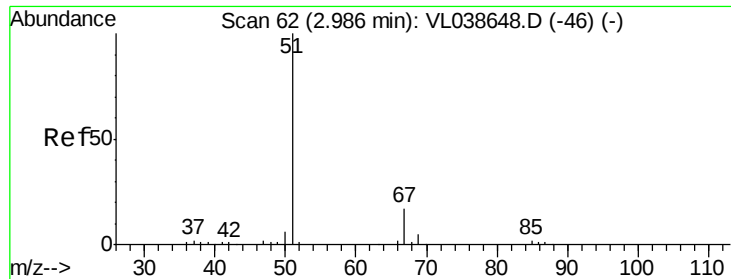
87 33.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

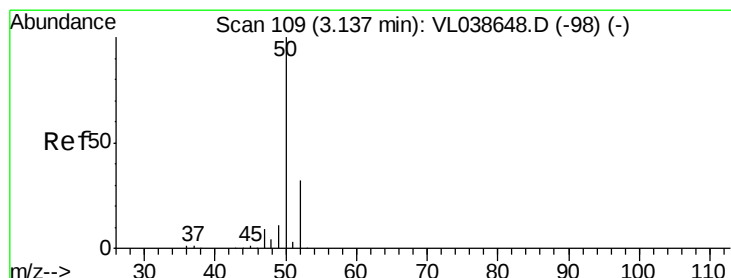
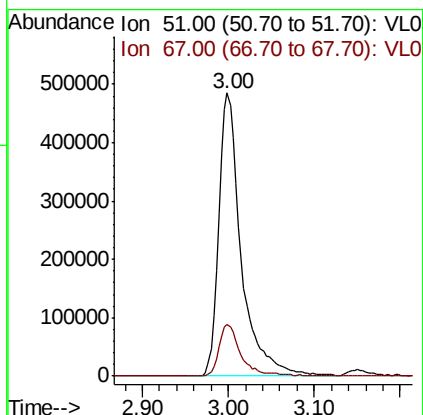
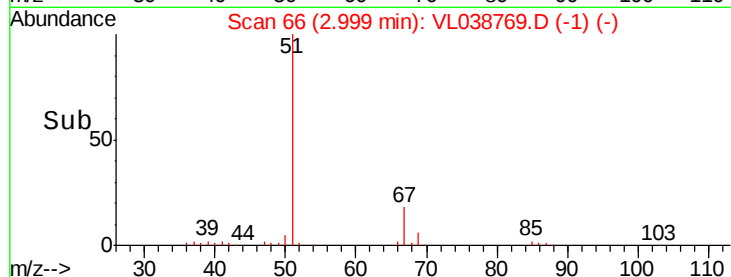
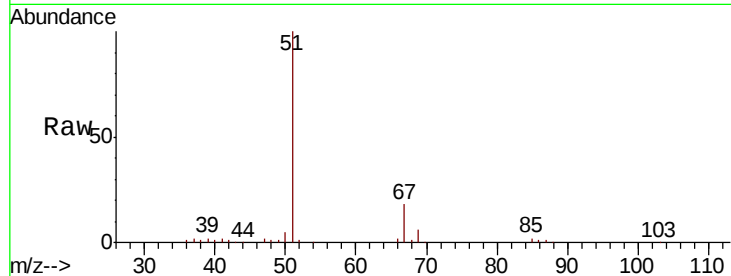
Ion 87.00 (86.70 to 87.70): VL0





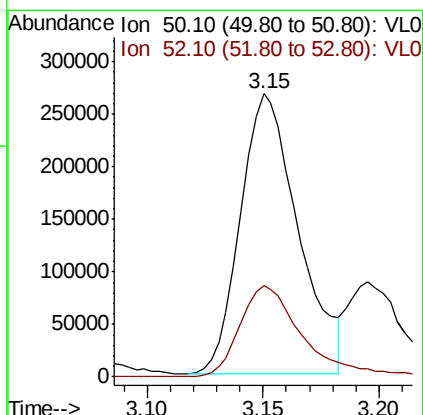
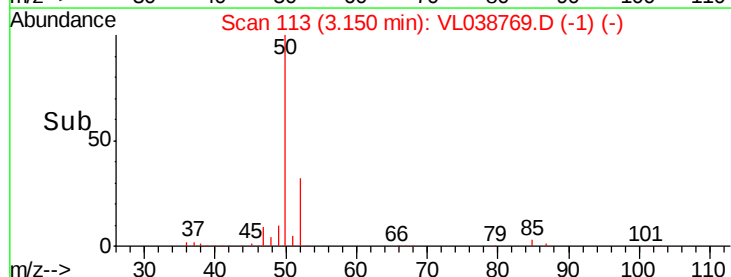
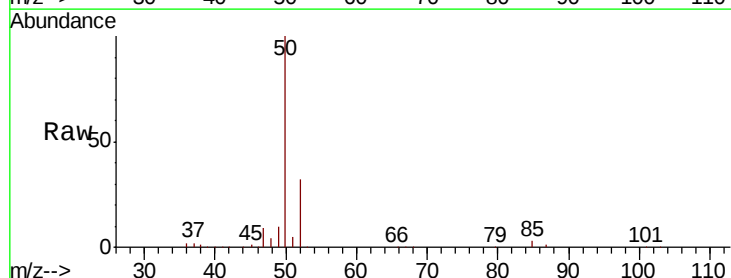
#3
 Chlorodifluoromethane
 Concen: 9.171 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0328ABS01
 Acq: 28 Mar 2022 13:28

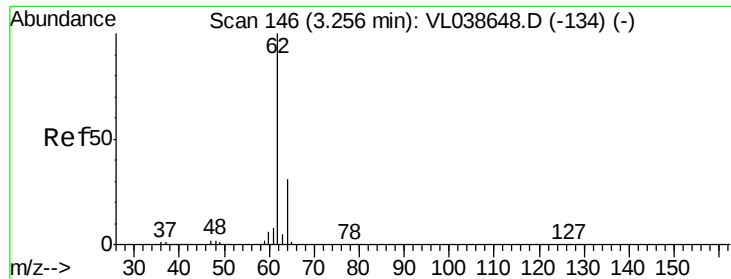
Tot Ion: 51 Resp: 882198
 Ion Ratio Lower Upper
 51 100
 67 18.1 14.1 21.1



#4
 Chloromethane
 Concen: 8.815 ppbv
 RT: 3.15 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

Tgt Ion: 50 Resp: 465536
 Ion Ratio Lower Upper
 50 100
 52 32.5 25.5 38.3





#5

Vinyl Chloride

Concen: 9.117 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0328ABS01

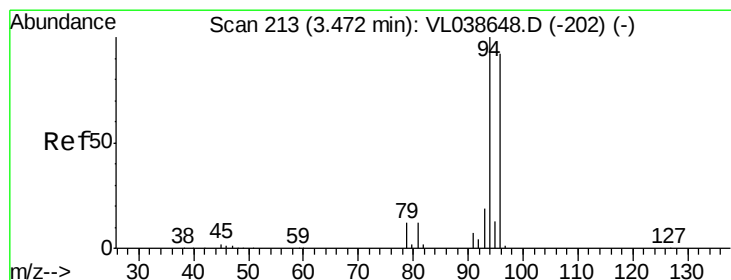
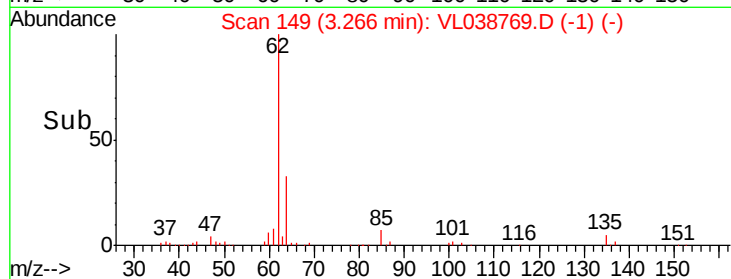
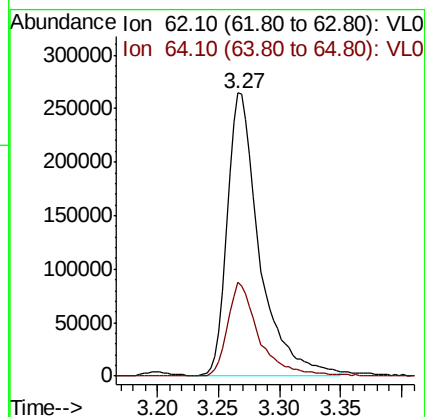
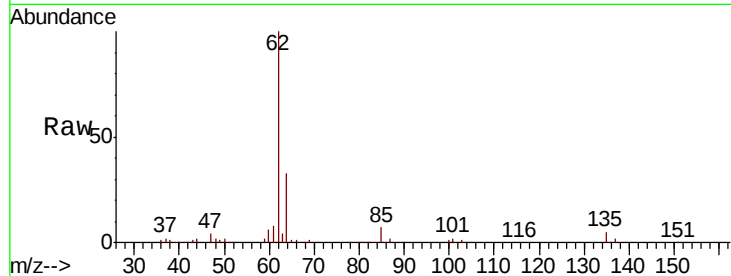
Acq: 28 Mar 2022 13:28

Tot Ion: 62 Resp: 489232

Ion Ratio Lower Upper

62 100

64 33.2 25.0 37.4



#6

Bromomethane

Concen: 9.454 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.01 min

Lab File: VL038769.D

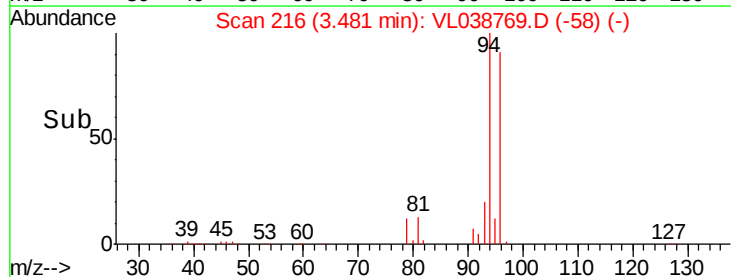
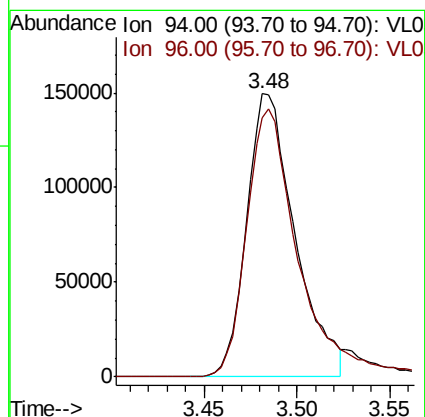
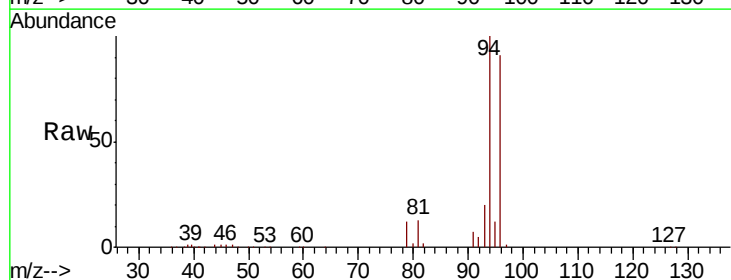
Acq: 28 Mar 2022 13:28

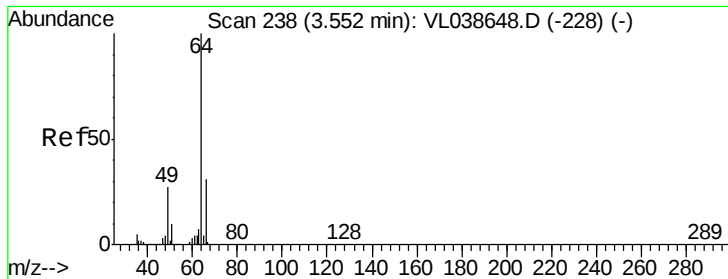
Tgt Ion: 94 Resp: 270461

Ion Ratio Lower Upper

94 100

96 91.4 73.3 109.9





#7

Chloroethane

Concen: 9.833 ppbv

RT: 3.57

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

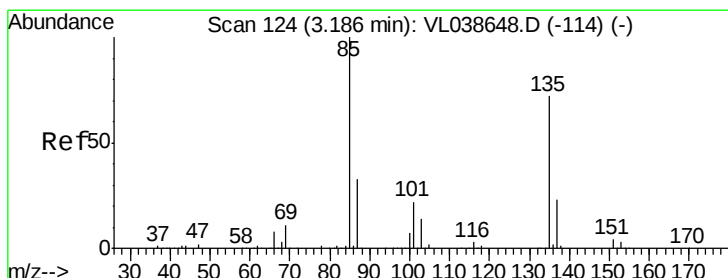
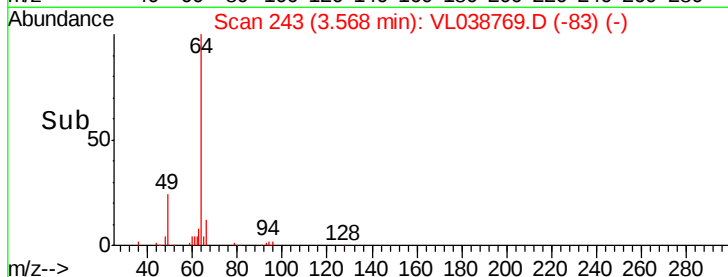
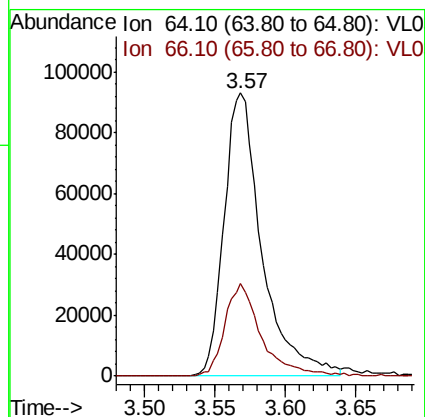
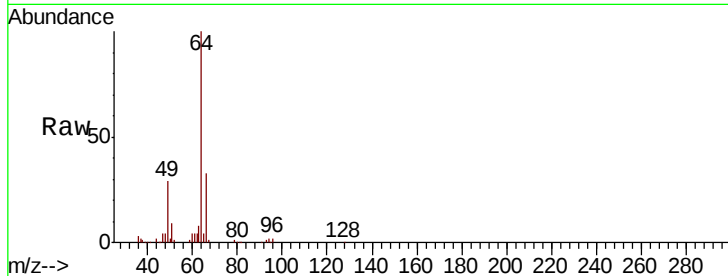
Acq: 28 Mar 2022 13:28

Tot Ion: 64 Resp: 174683

Ion Ratio Lower Upper

64 100

66 32.6 25.0 37.6



#8

Dichlorotetrafluoroethane

Concen: 9.479 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL038769.D

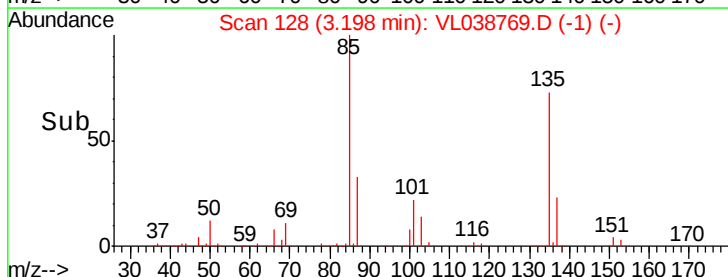
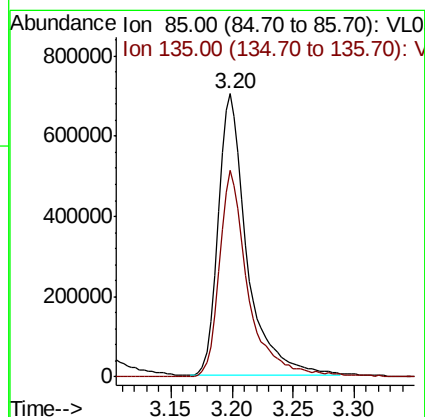
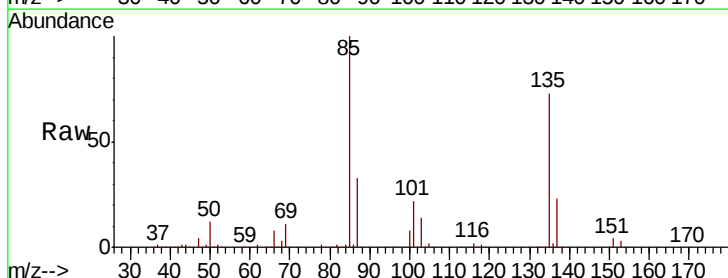
Acq: 28 Mar 2022 13:28

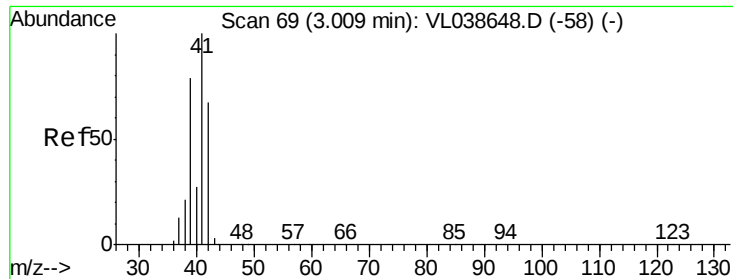
Tgt Ion: 85 Resp: 1158666

Ion Ratio Lower Upper

85 100

135 74.5 57.8 86.6





#9

Propene

Concen: 8.458 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: VL0328ABS01 ClientSampleId:

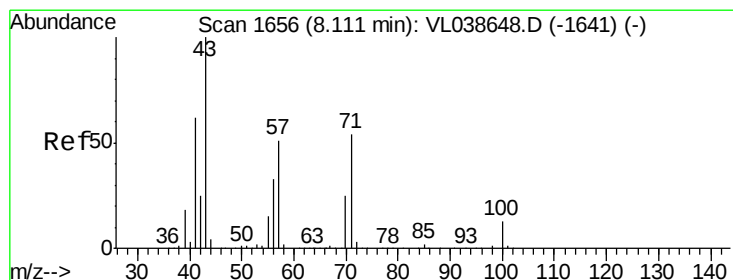
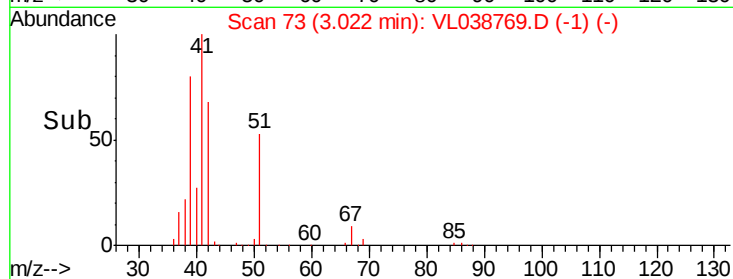
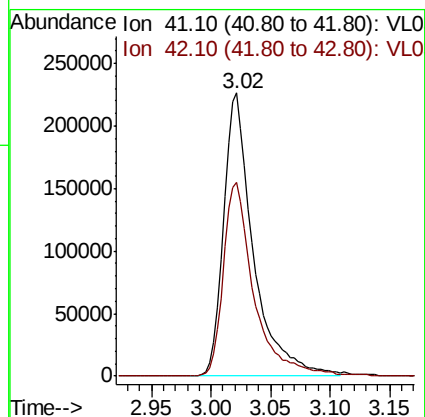
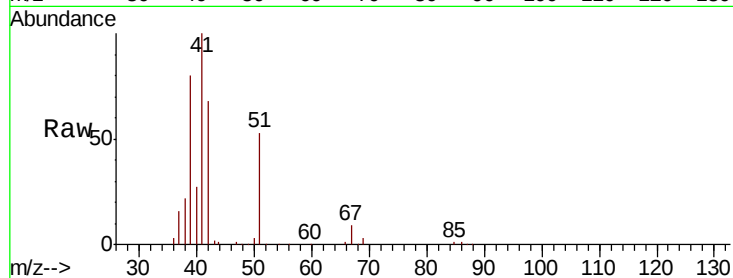
Acq: 28 Mar 2022 13:28

Tot Ion: 41 Resp: 392773

Ion Ratio Lower Upper

41 100

42 70.5 56.2 84.4



#10

Heptane

Concen: 8.687 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.02 min

Lab File: VL038769.D

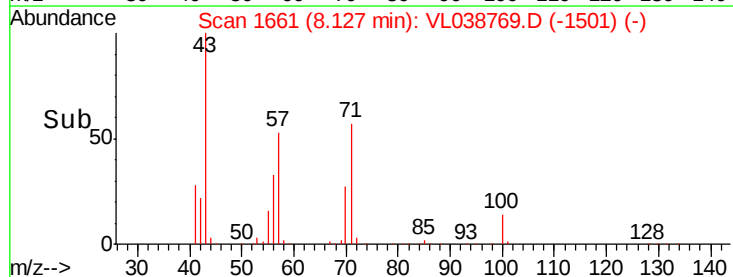
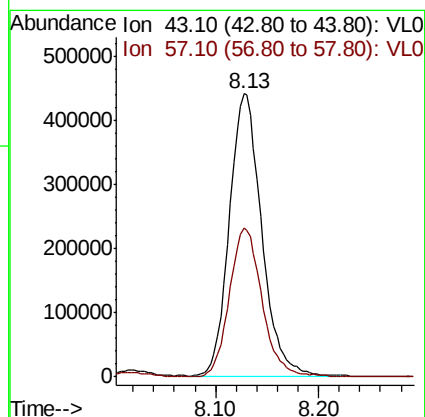
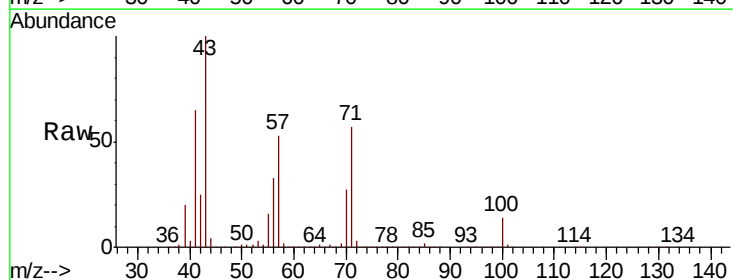
Acq: 28 Mar 2022 13:28

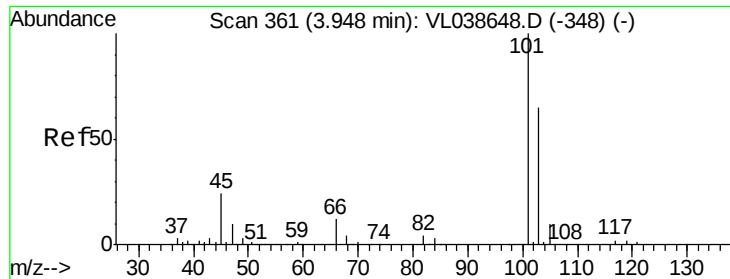
Tgt Ion: 43 Resp: 964402

Ion Ratio Lower Upper

43 100

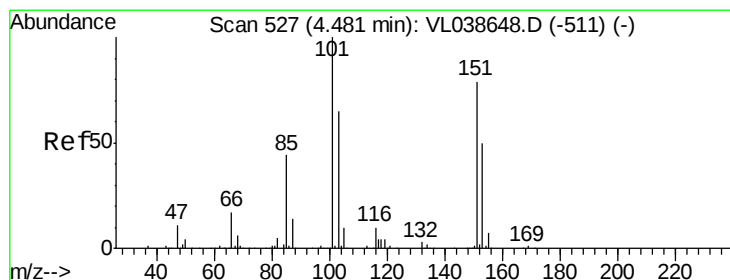
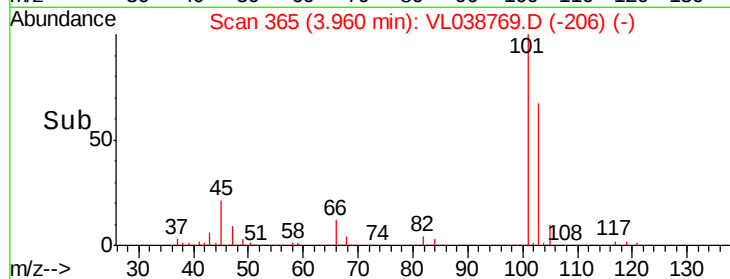
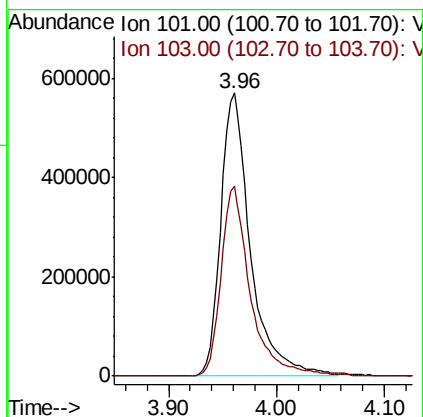
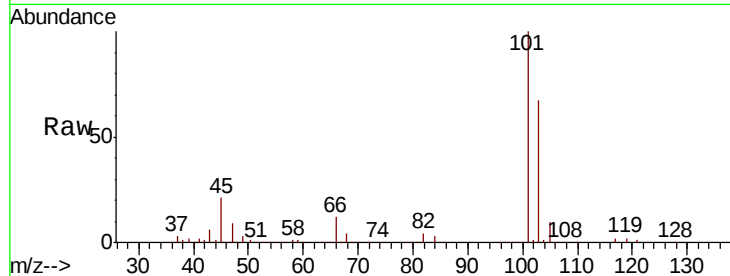
57 53.2 41.4 62.2





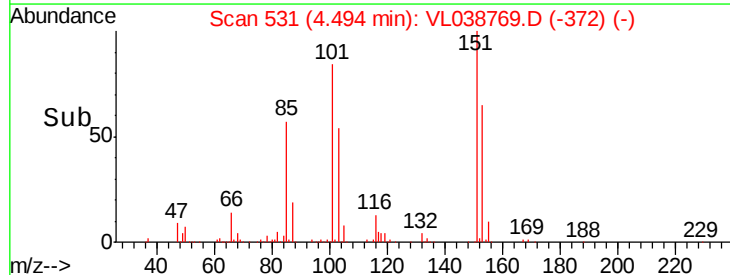
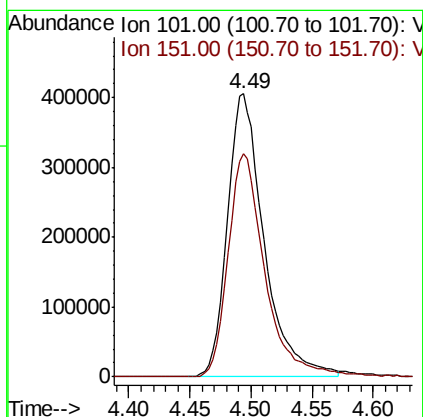
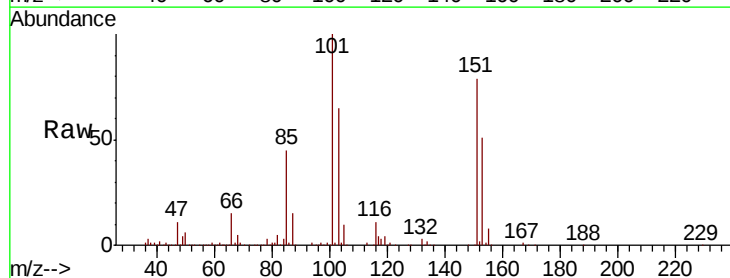
#11
 Trichlorofluoromethane
 Concen: 10.142 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0328ABS01
 Acq: 28 Mar 2022 13:28

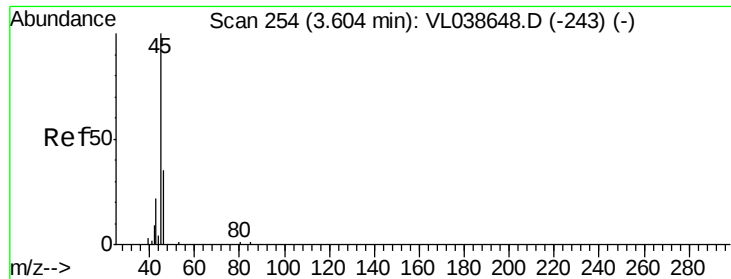
Tot Ion:101 Resp: 1095903
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.207 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T.: 0.01 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

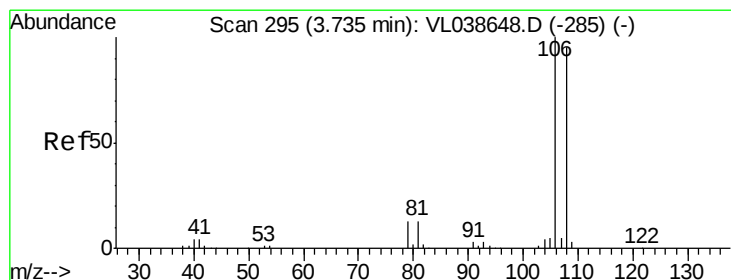
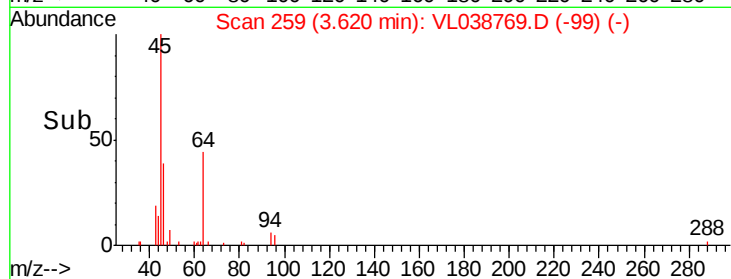
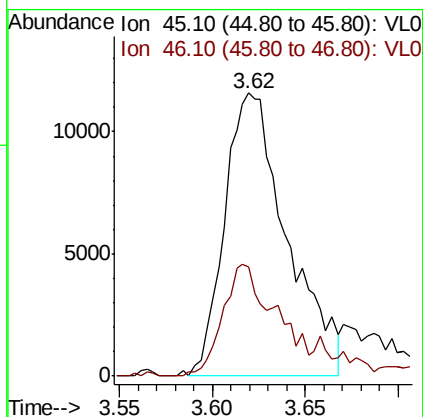
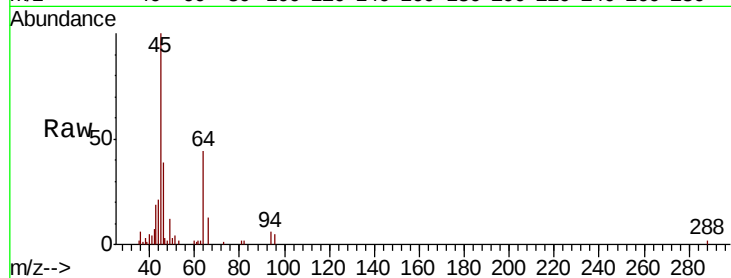
Tgt Ion:101 Resp: 849027
 Ion Ratio Lower Upper
 101 100
 151 79.8 62.9 94.3





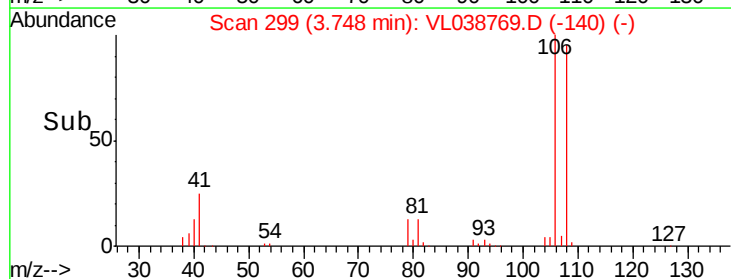
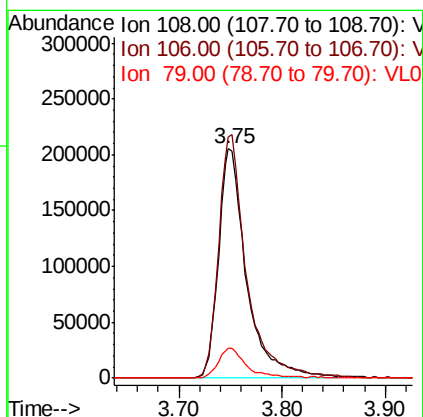
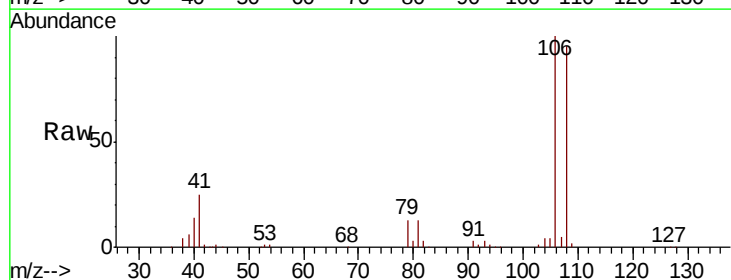
#13
Ethanol
Concen: 5.271 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0328ABS01
Acq: 28 Mar 2022 13:28

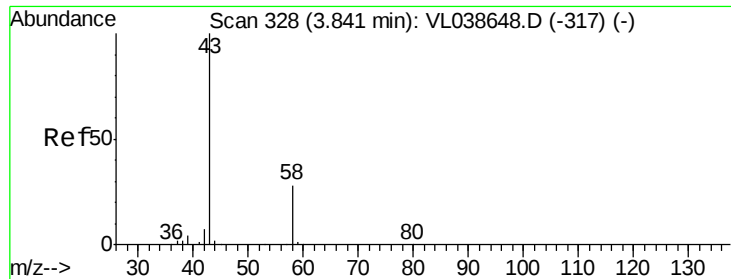
Tot Ion: 45 Resp: 27004
Ion Ratio Lower Upper
45 100
46 41.7 15.1 60.5



#14
Bromoethene
Concen: 10.472 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.01 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

Tgt Ion: 108 Resp: 387155
Ion Ratio Lower Upper
108 100
106 106.3 88.3 132.5
79 13.4 11.2 16.8





#15

Acetone

Concen: 9.476 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

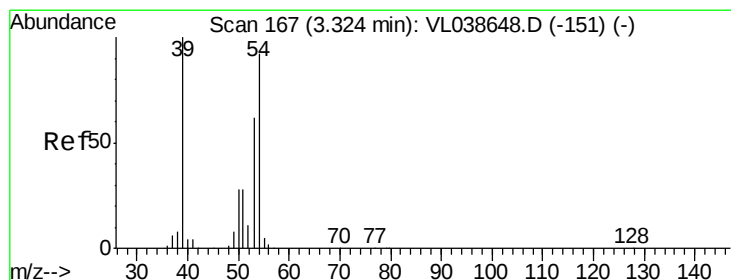
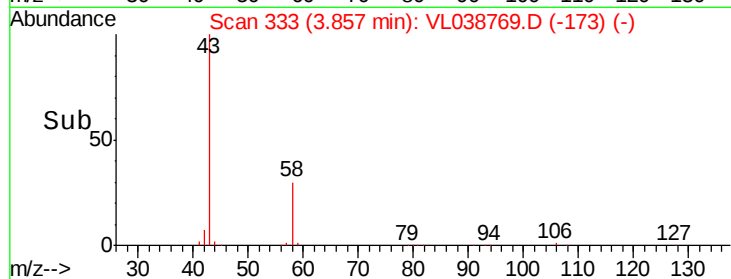
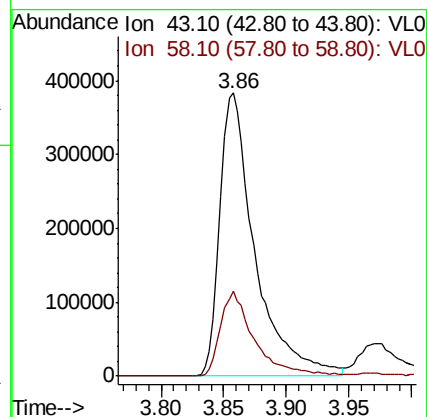
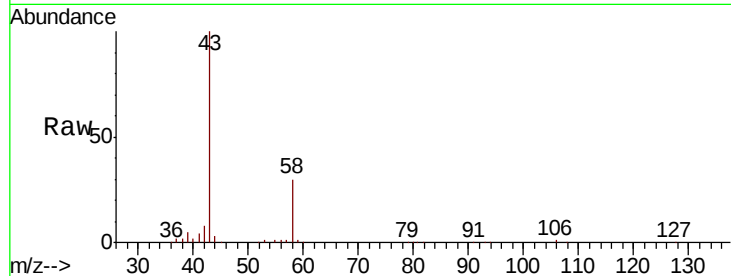
Acq: 28 Mar 2022 13:28

Tot Ion: 43 Resp: 744714

Ion Ratio Lower Upper

43 100

58 29.3 23.3 34.9



#16

1,3-Butadiene

Concen: 9.482 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.02 min

Lab File: VL038769.D

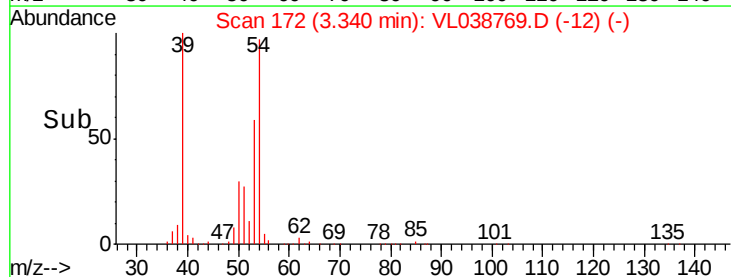
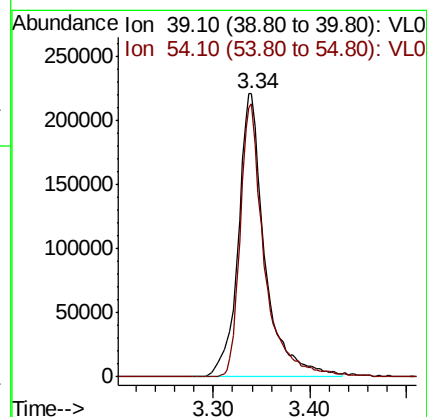
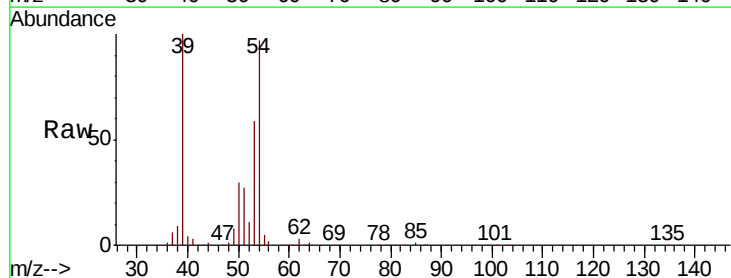
Acq: 28 Mar 2022 13:28

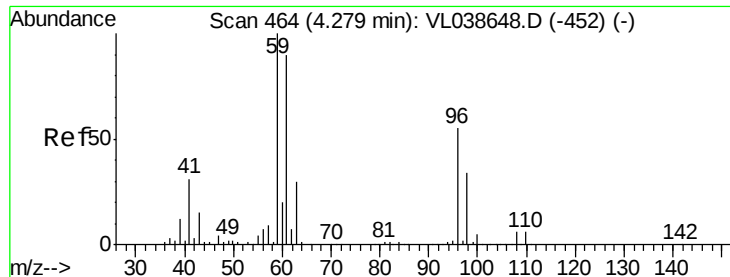
Tgt Ion: 39 Resp: 422906

Ion Ratio Lower Upper

39 100

54 88.7 69.1 103.7





#17

tert-Butyl alcohol

Concen: 11.962 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

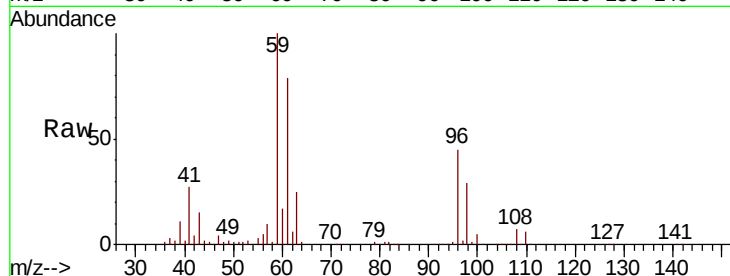
Acq: 28 Mar 2022 13:28

Tot Ion: 59 Resp: 821040

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

400000

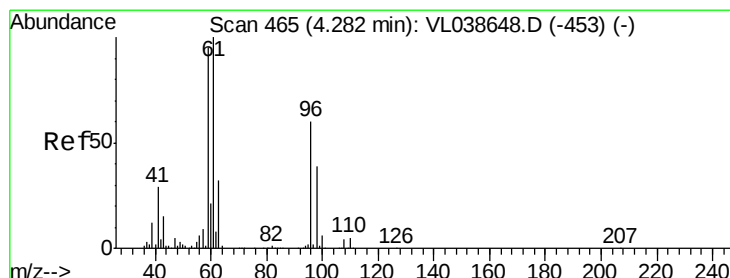
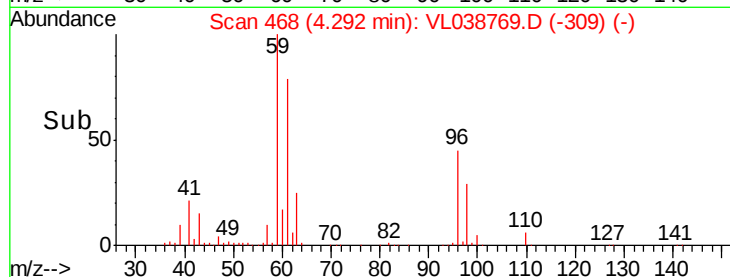
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 10.442 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL038769.D

Acq: 28 Mar 2022 13:28

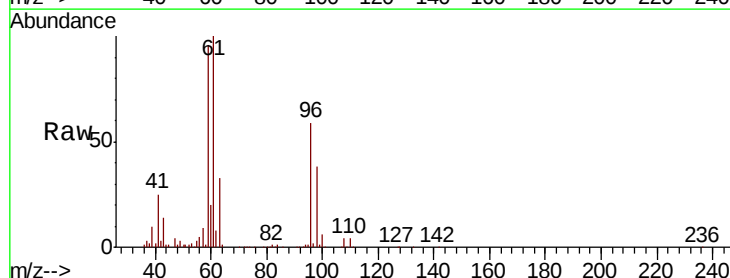
Tgt Ion: 96 Resp: 390203

Ion Ratio Lower Upper

96 100

61 168.2 132.4 198.6

98 63.7 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.30

400000

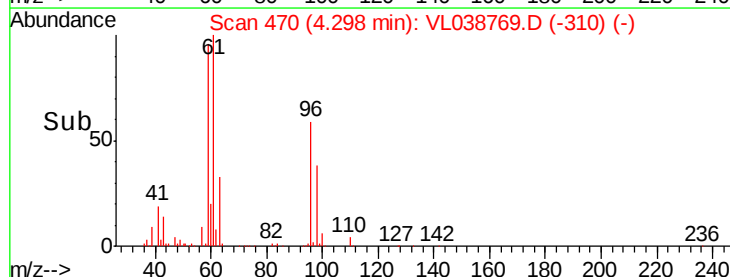
300000

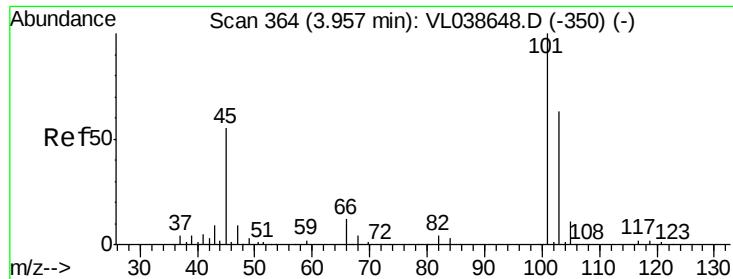
200000

100000

0

Time--> 4.20 4.25 4.30 4.35 4.40





#19

Isopropyl Alcohol

Concen: 9.681 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

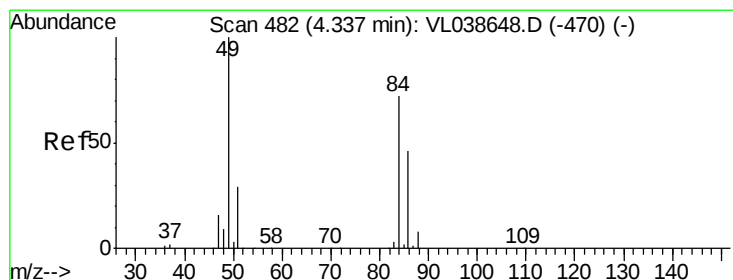
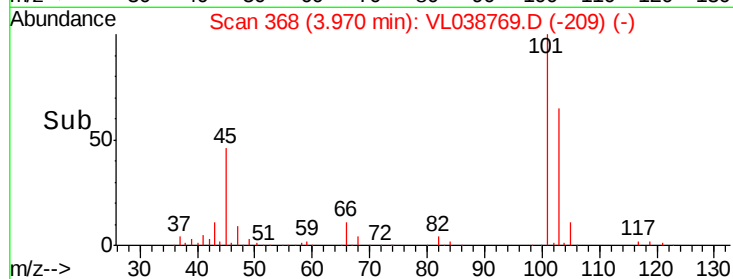
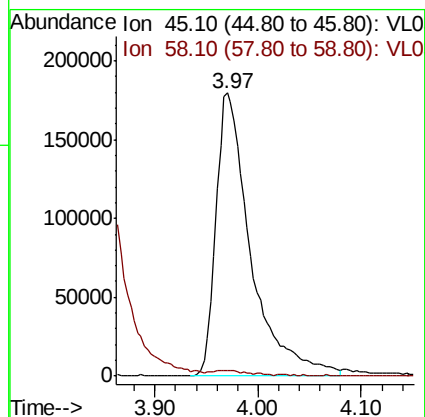
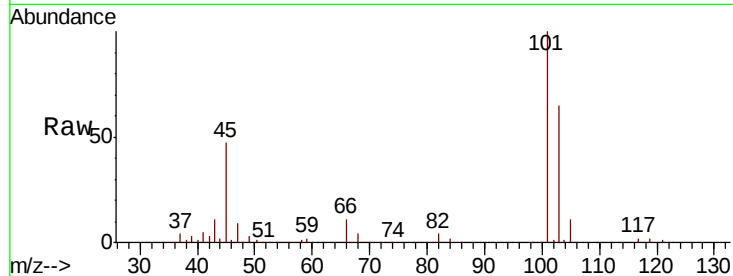
Acq: 28 Mar 2022 13:28 VL0328ABS01

Tot Ion: 45 Resp: 421817

Ion Ratio Lower Upper

45 100

58 2.1 2.3 3.5#



#20

Methylene Chloride

Concen: 9.679 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL038769.D

Acq: 28 Mar 2022 13:28

Tgt Ion: 84 Resp: 320377

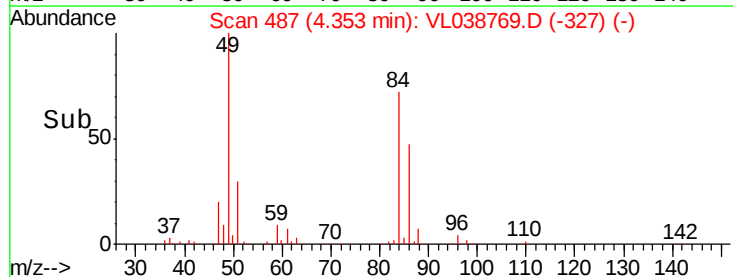
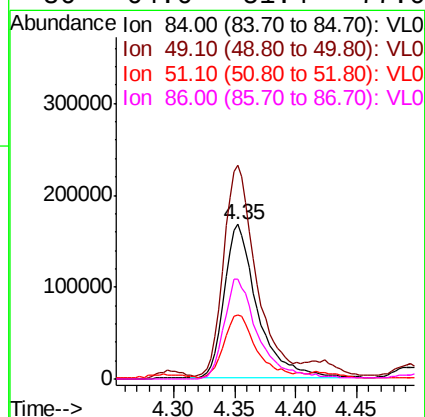
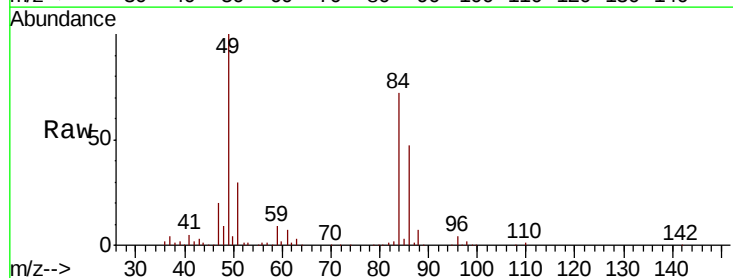
Ion Ratio Lower Upper

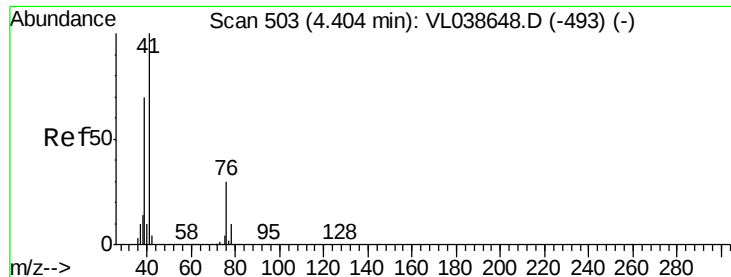
84 100

49 136.7 111.2 166.8

51 40.1 32.8 49.2

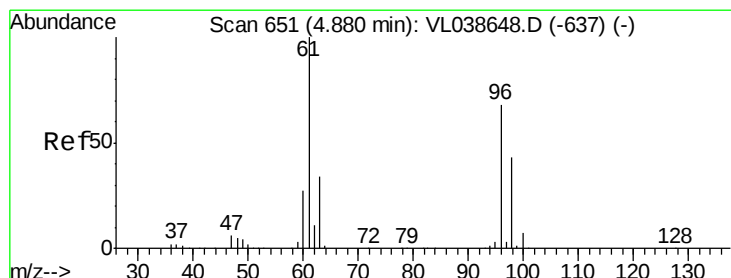
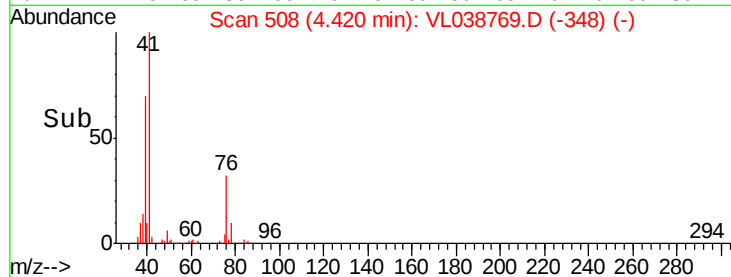
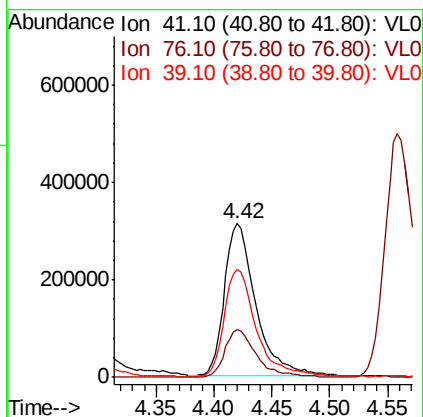
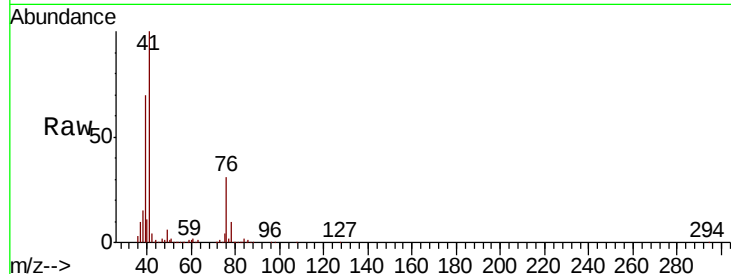
86 64.6 51.4 77.0





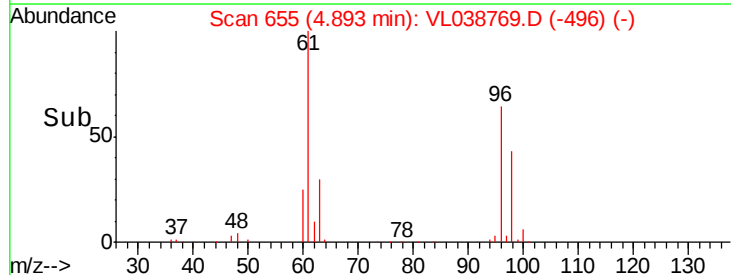
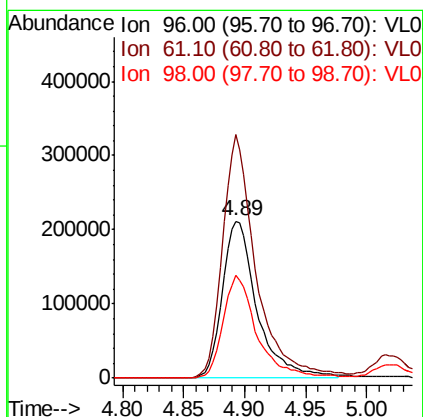
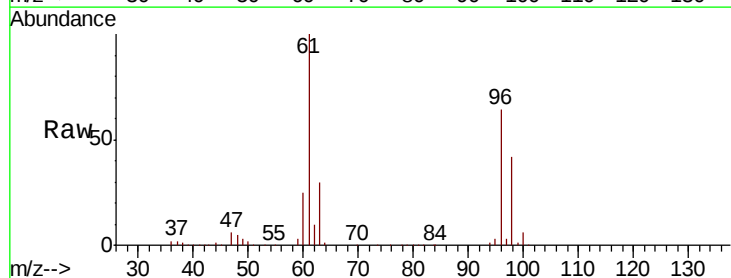
#21
 Allvl Chloride
 Concen: 10.408 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0328ABS01
 Acq: 28 Mar 2022 13:28

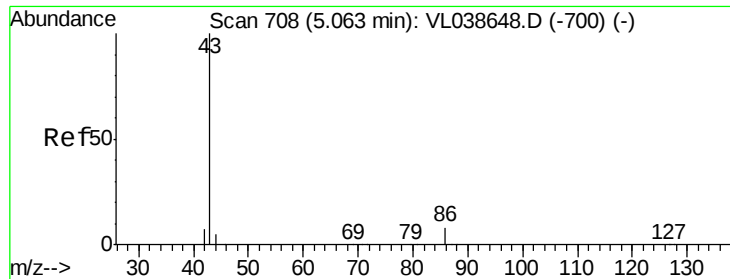
Tot Ion:	41	Resp:	588665
Ion	Ratio	Lower	Upper
41	100		
76	31.9	25.0	37.6
39	72.9	56.6	85.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.897 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.01 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

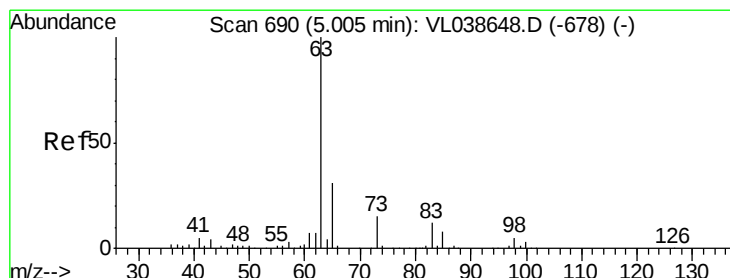
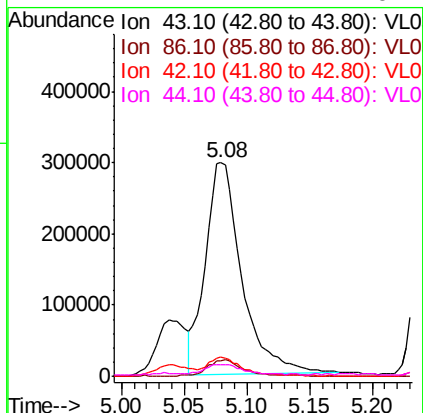
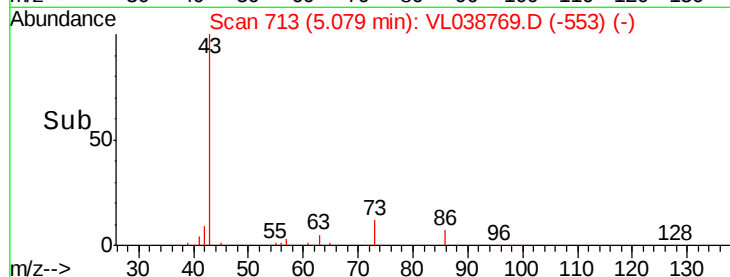
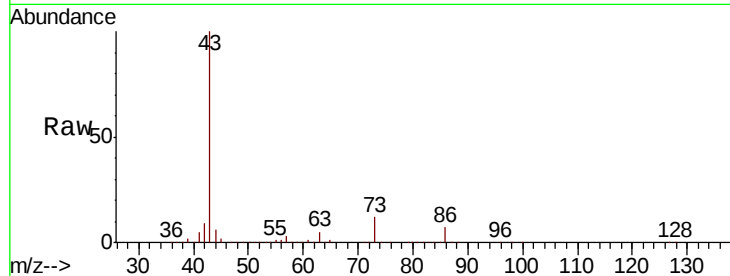
Tgt Ion:	96	Resp:	422399
Ion	Ratio	Lower	Upper
96	100		
61	154.9	118.3	177.5
98	65.7	51.3	76.9





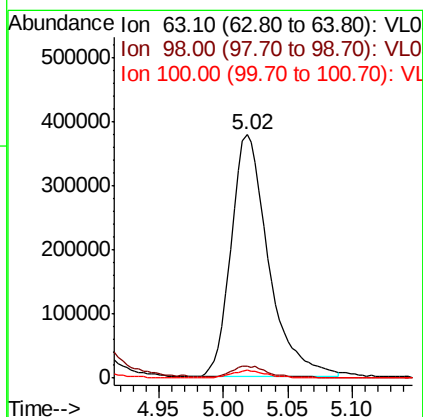
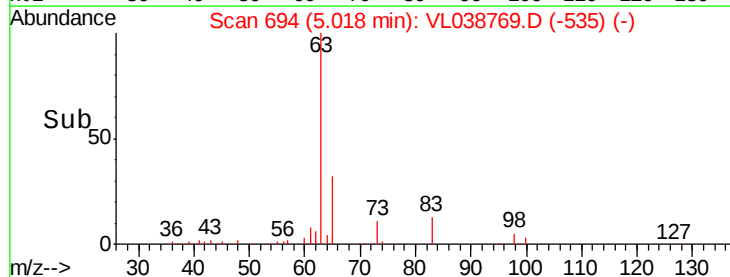
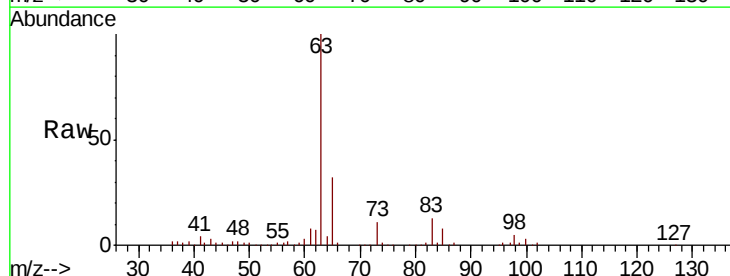
#23
 Vinyl Acetate
 Concen: 7.903 ppbv
 RT: 5.08
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0328ABS01
 Acq: 28 Mar 2022 13:28

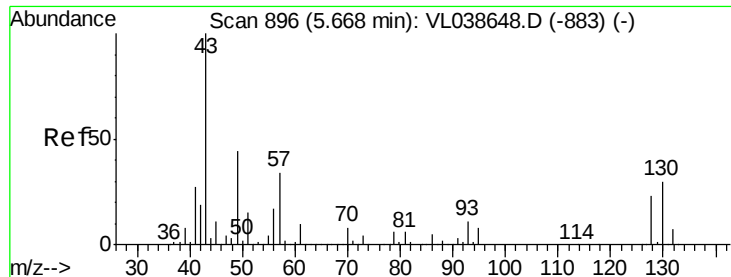
Tot Ion:	43	Resp:	601444
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.6	8.4
42	8.8	6.8	10.2
44	4.7	4.2	6.2



#24
 1,1-Dichloroethane
 Concen: 10.210 ppbv
 RT: 5.02 min Scan# 694
 Delta R.T. 0.01 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

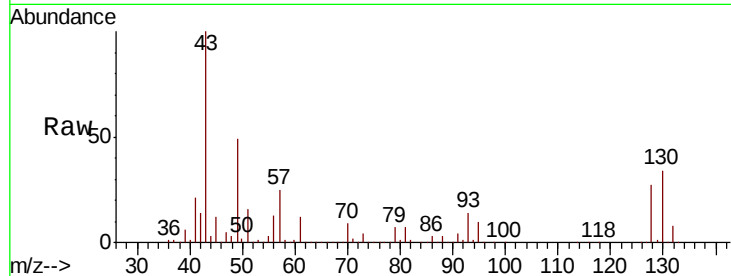
Tgt Ion:	63	Resp:	765204
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.5	7.5
100	3.0	1.4	4.2





#25
Ethyl Acetate
Concen: 9.898 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0328ABS01
Acq: 28 Mar 2022 13:28

Tot Ion:	43	Resp:	1958088
Ion	Ratio	Lower	Upper
43	100		
45	11.0	8.2	12.4
61	11.3	8.3	12.5
70	7.7	5.6	8.4



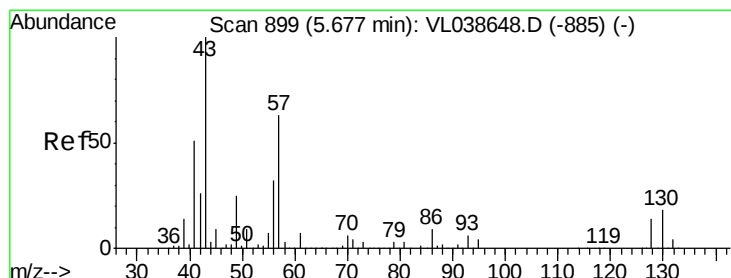
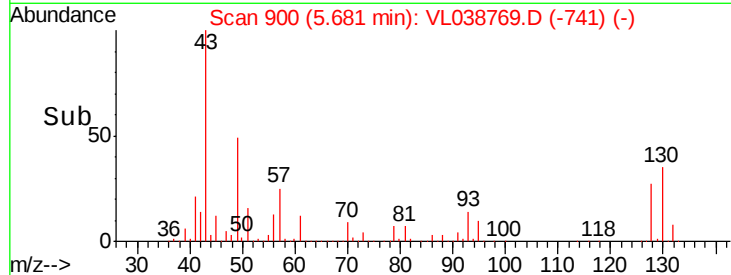
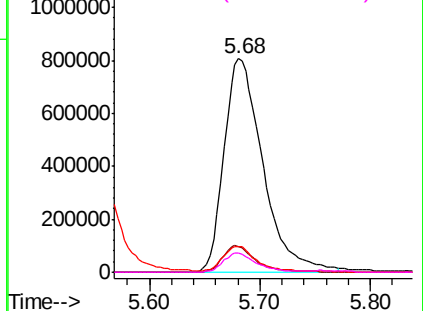
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

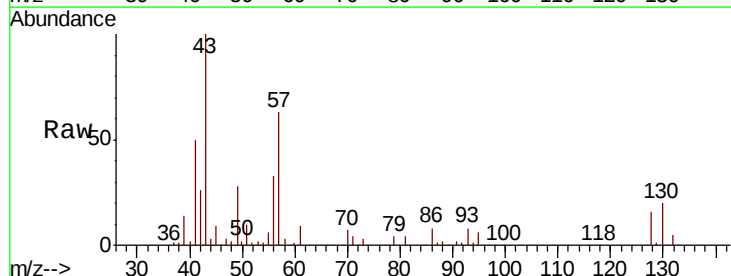
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.034 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

Tgt Ion:	57	Resp:	800150
Ion	Ratio	Lower	Upper
57	100		
41	82.3	67.0	100.4
43	248.7	184.2	276.2
56	52.7	42.6	64.0



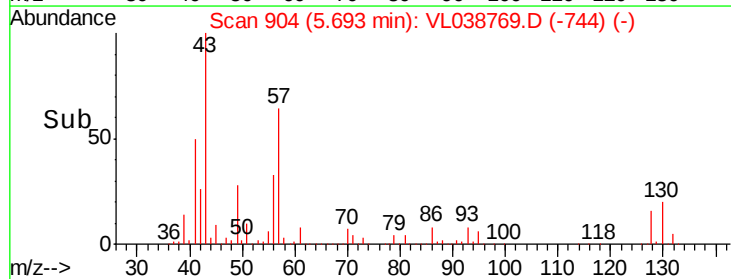
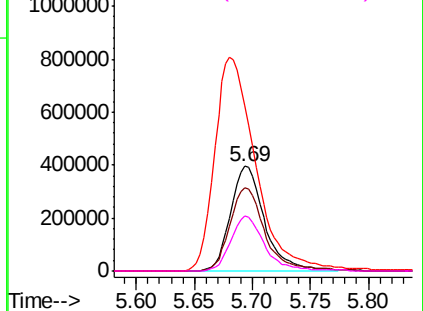
Abundance

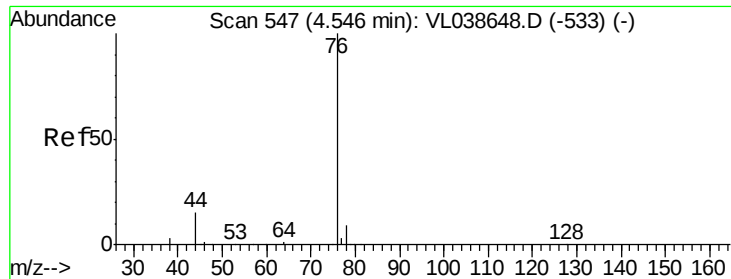
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

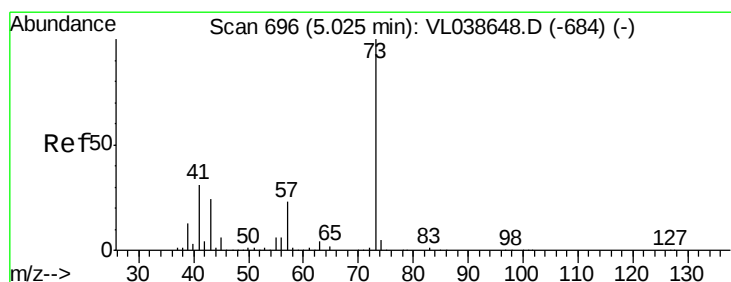
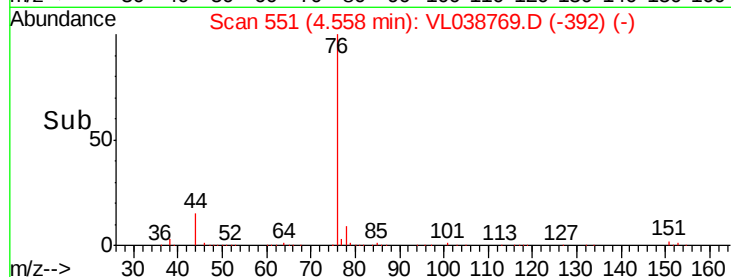
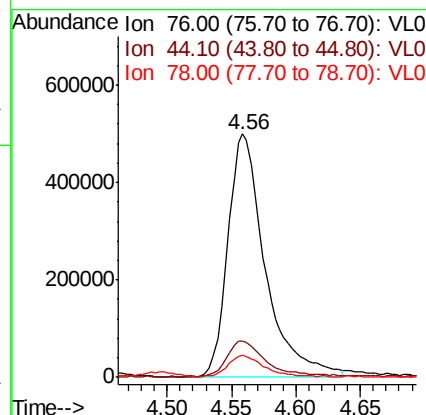
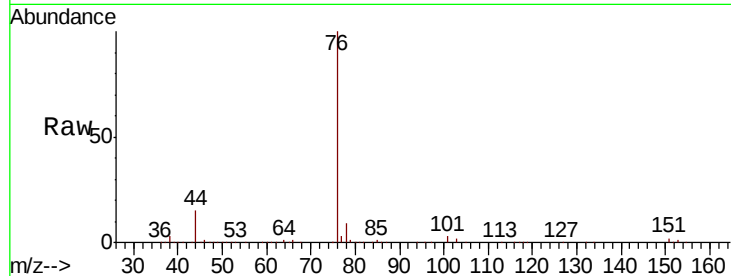
Ion 56.10 (55.80 to 56.80): VL0





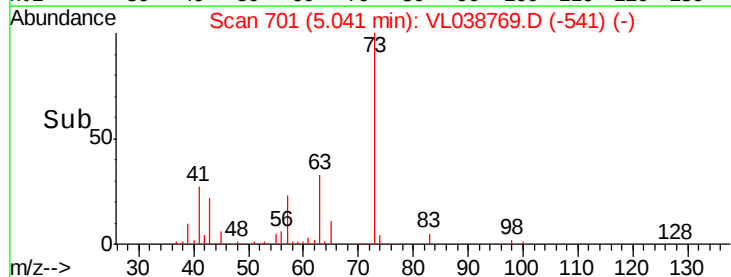
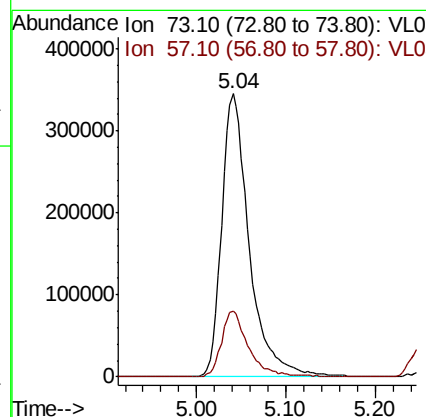
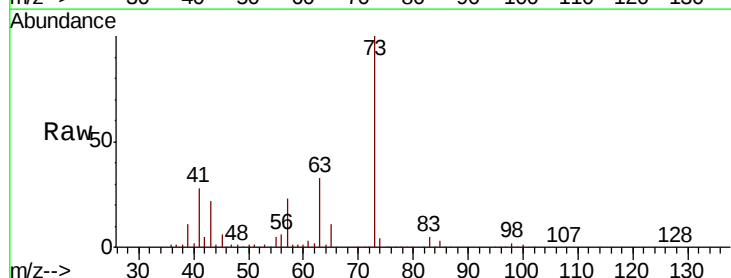
#27
Carbon Disulfide
Concen: 11.466 ppbv
RT: 4.56
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0328ABS01
Acq: 28 Mar 2022 13:28

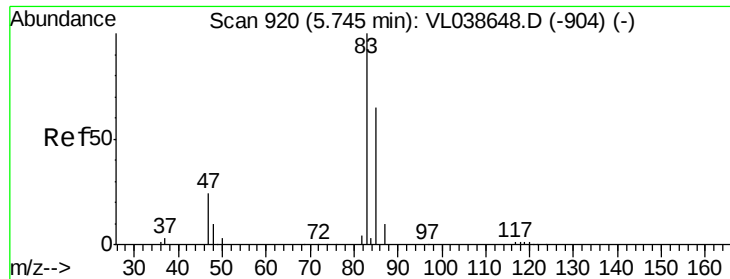
Tot Ion	Ratio	Lower	Upper
76	100		
44	15.9	12.4	18.6
78	9.4	7.8	11.8



#28
Methyl tert-Butyl Ether
Concen: 11.194 ppbv
RT: 5.04 min Scan# 701
Delta R.T.: 0.02 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

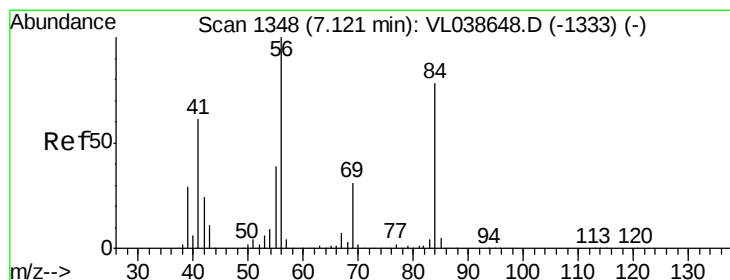
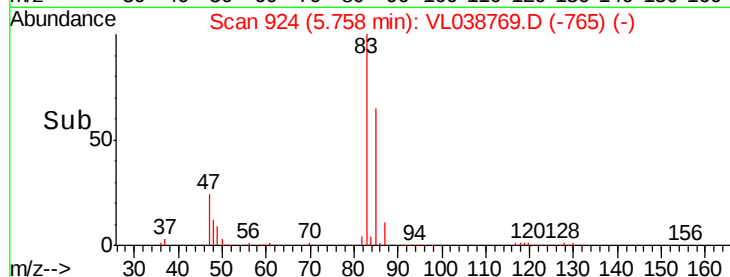
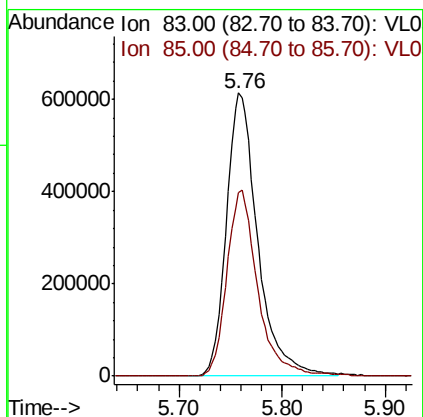
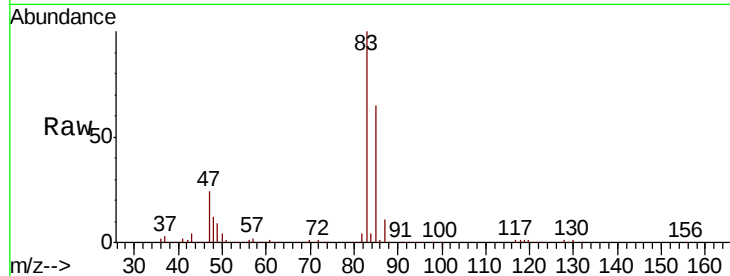
Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.1	19.2	28.8





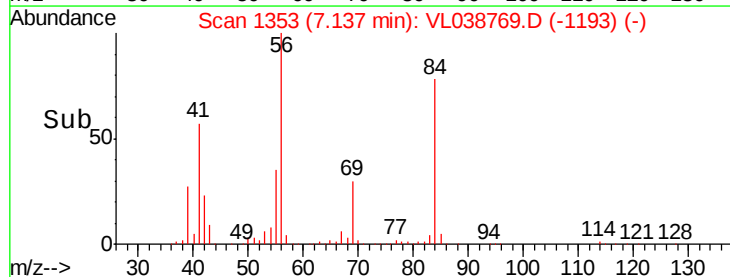
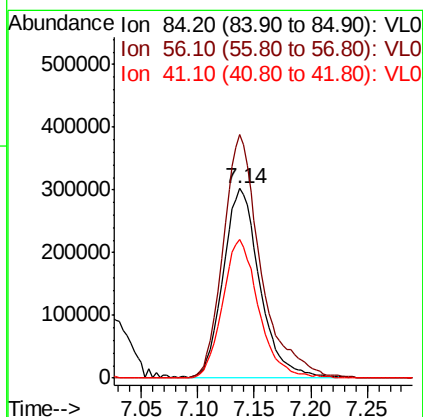
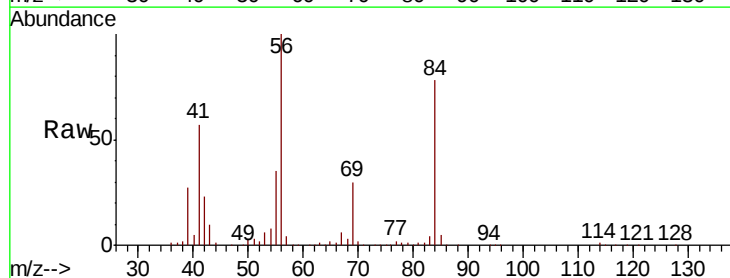
#29
Chloroform
Concen: 9.137 ppbv
RT: 5.76
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Mar 2022 13:28

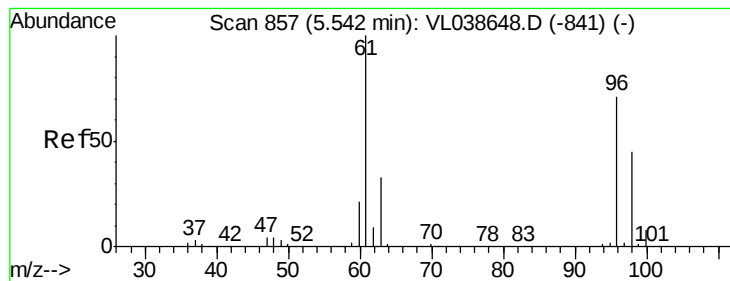
Tot Ion: 83 Resp: 1295698
Ion Ratio Lower Upper
83 100
85 64.5 51.7 77.5



#30
Cyclohexane
Concen: 8.896 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.02 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

Tgt Ion: 84 Resp: 685047
Ion Ratio Lower Upper
84 100
56 131.4 108.2 162.4
41 72.2 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 9.632 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Mar 2022 13:28 VL0328ABS01

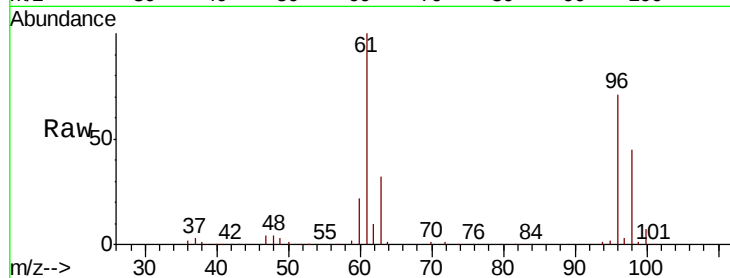
Tot Ion: 61 Resp: 802130

Ion Ratio Lower Upper

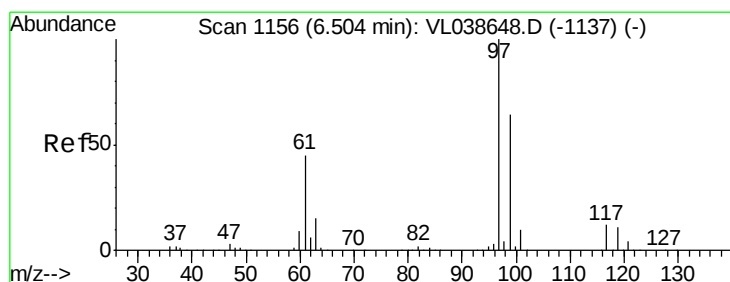
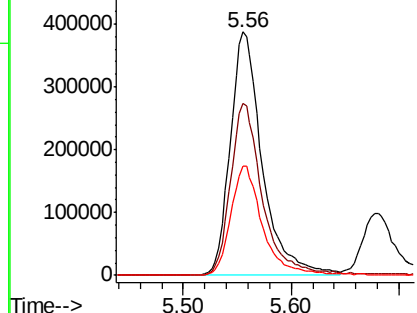
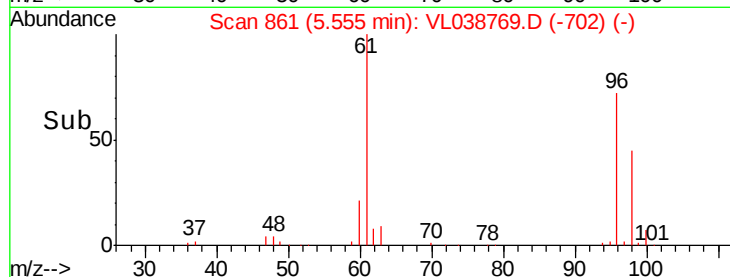
61 100

96 70.5 56.6 84.8

98 45.0 36.3 54.5



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



#32

1,1,1-Trichloroethane

Concen: 9.493 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VL038769.D

Acq: 28 Mar 2022 13:28

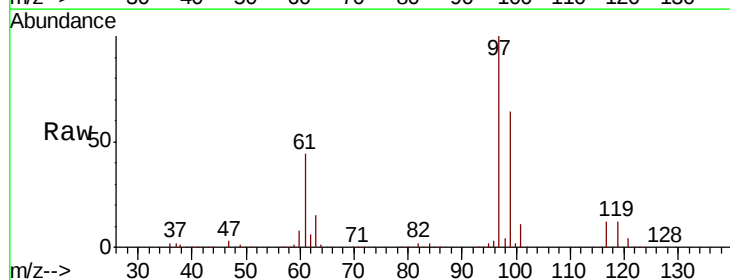
Tgt Ion: 97 Resp: 1299143

Ion Ratio Lower Upper

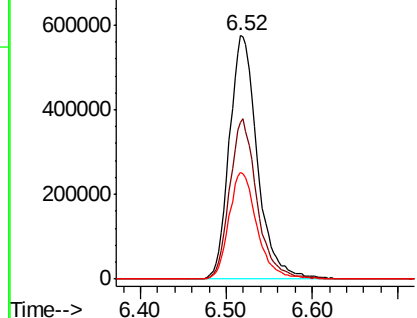
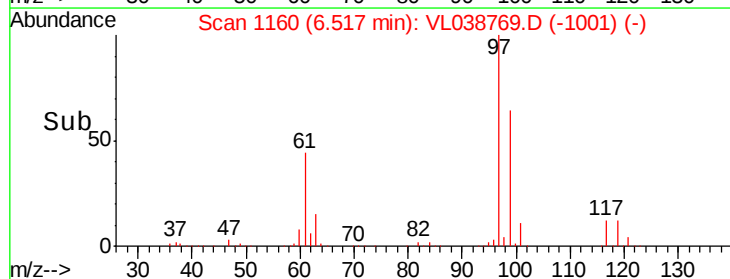
97 100

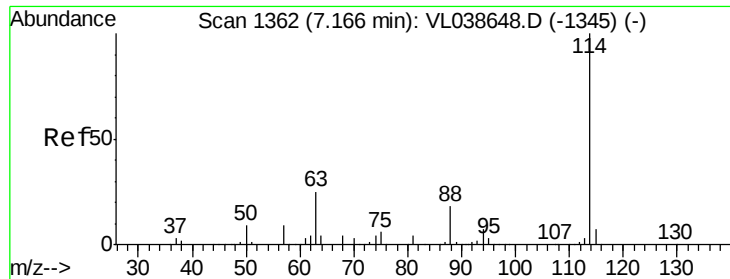
99 64.6 51.8 77.8

61 44.5 36.7 55.1



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: 7.18 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0328ABS01

Acq: 28 Mar 2022 13:28

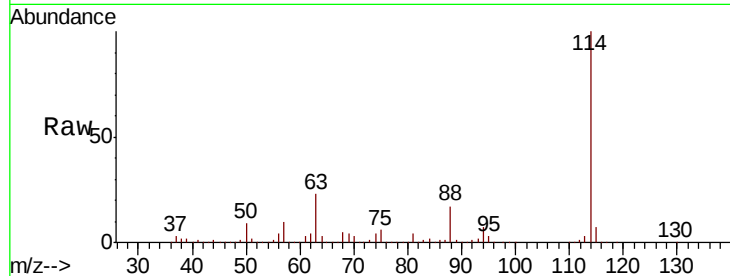
Tot Ion:114 Resp: 2491013

Ion Ratio Lower Upper

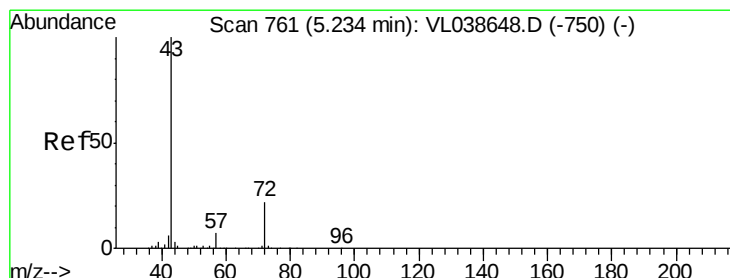
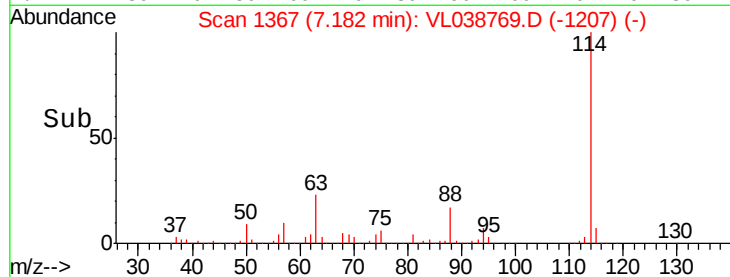
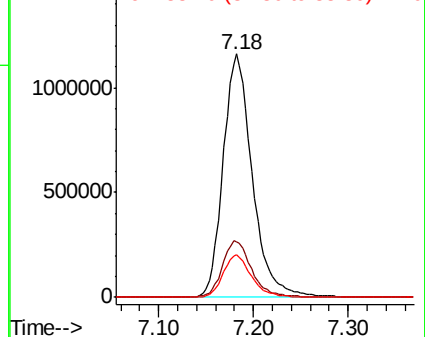
114 100

63 23.7 19.4 29.0

88 17.1 13.9 20.9



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



#34

2-Butanone

Concen: 9.001 ppbv

RT: 5.25 min Scan# 766

Delta R.T. 0.02 min

Lab File: VL038769.D

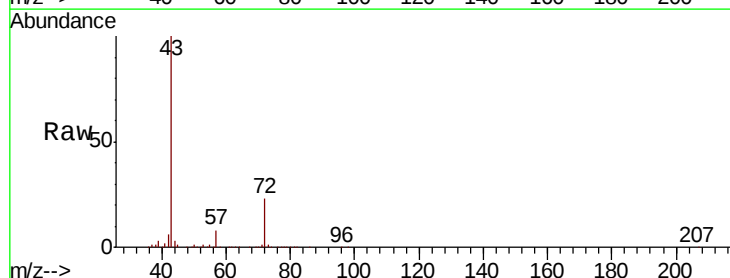
Acq: 28 Mar 2022 13:28

Tgt Ion: 43 Resp: 887479

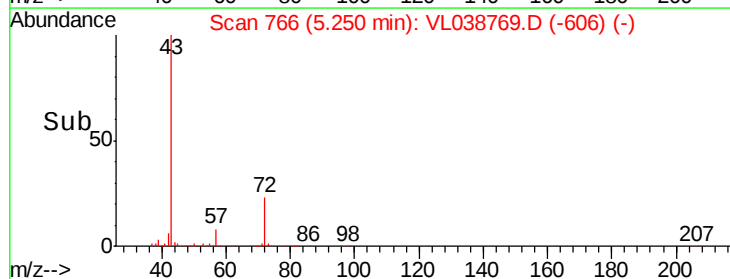
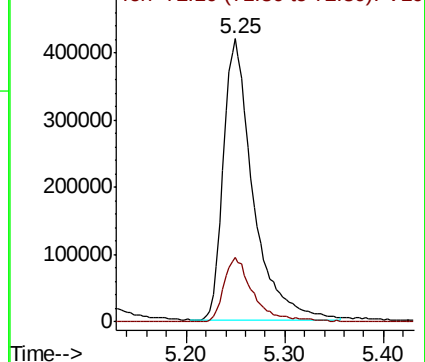
Ion Ratio Lower Upper

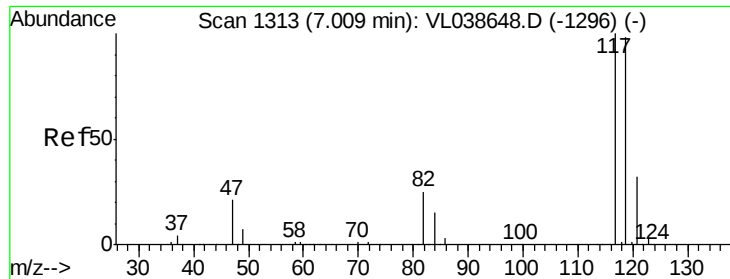
43 100

72 23.0 17.8 26.8



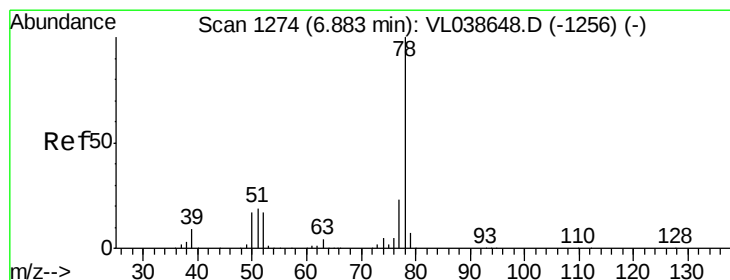
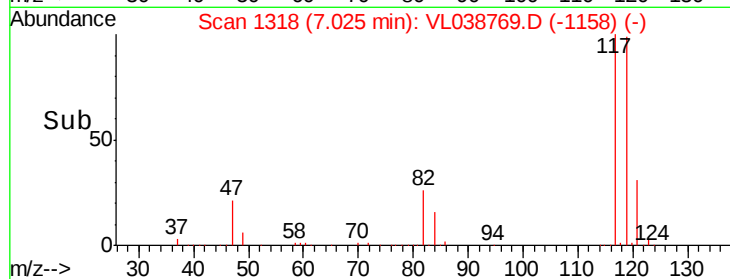
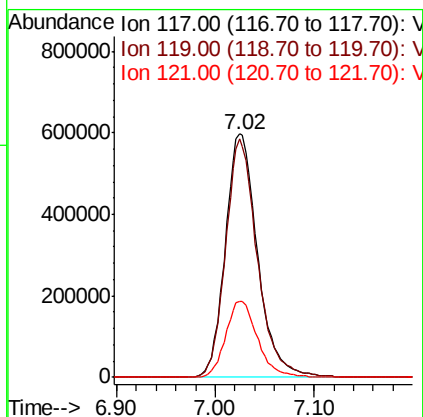
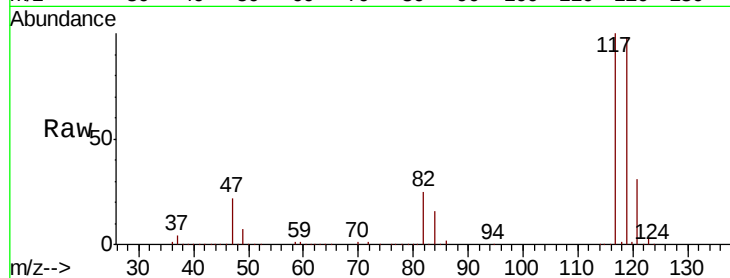
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





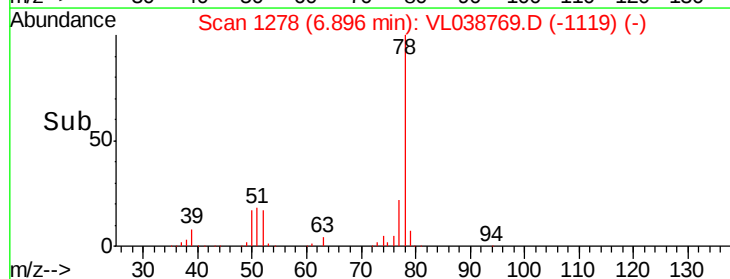
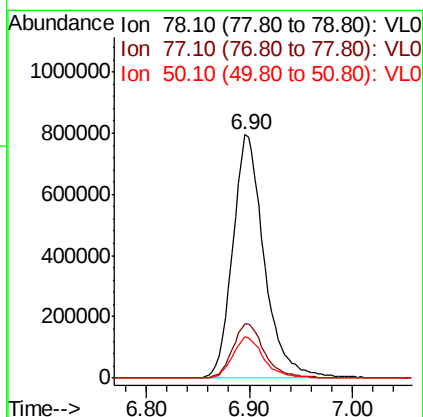
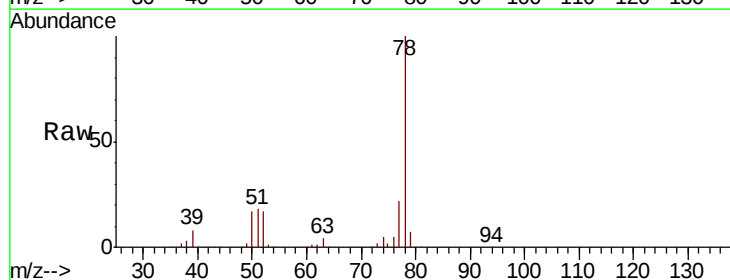
#35
Carbon Tetrachloride
Concen: 9.433 ppbv
RT: 7.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0328ABS01
Acq: 28 Mar 2022 13:28

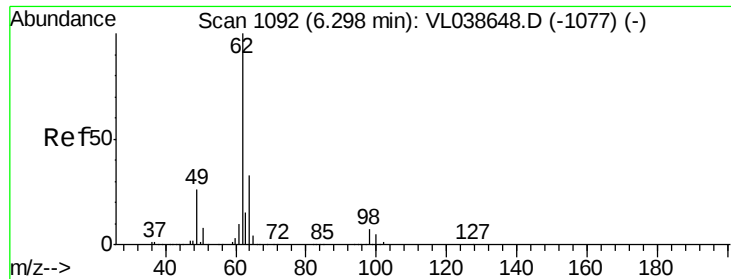
Tot Ion:117 Resp: 1363439
Ion Ratio Lower Upper
117 100
119 98.1 78.1 117.1
121 31.1 25.8 38.6



#36
Benzene
Concen: 8.768 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

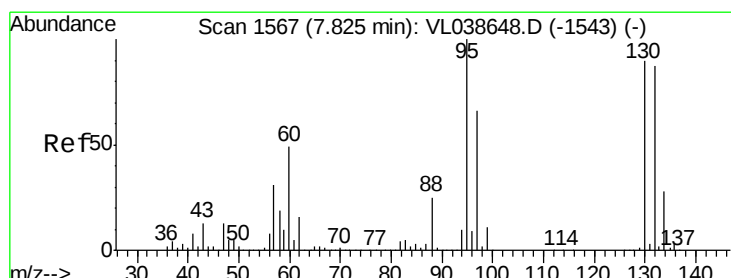
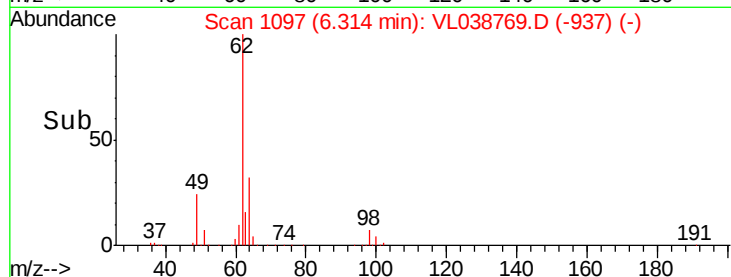
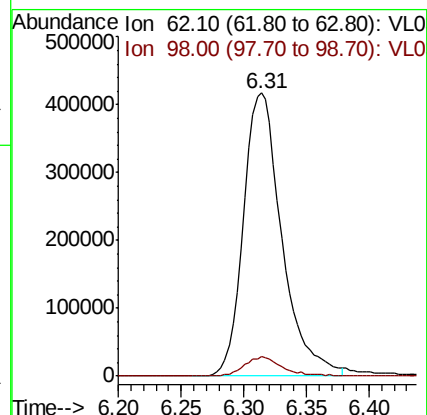
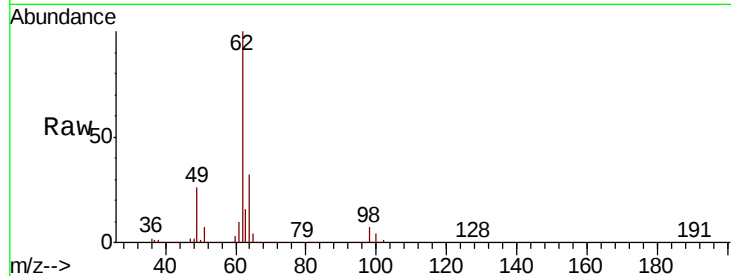
Tgt Ion: 78 Resp: 1685767
Ion Ratio Lower Upper
78 100
77 22.0 18.1 27.1
50 17.2 13.6 20.4





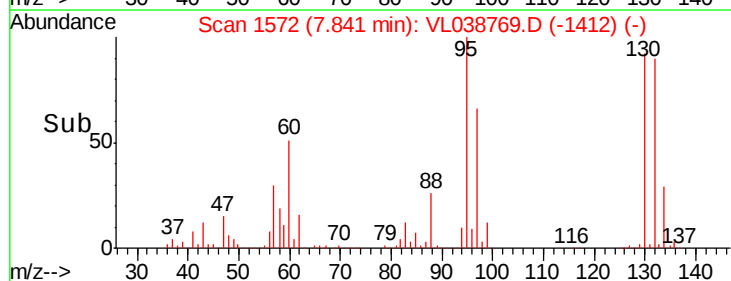
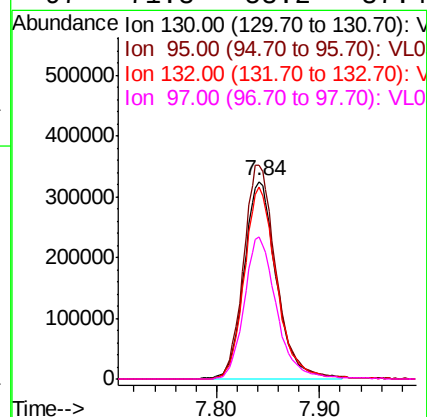
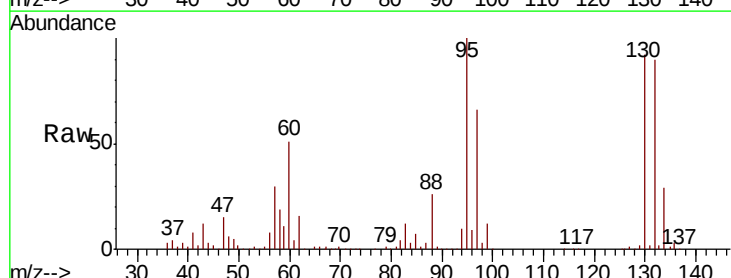
#37
 1,2-Dichloroethane
 Concen: 9.081 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0328ABS01
 Acq: 28 Mar 2022 13:28

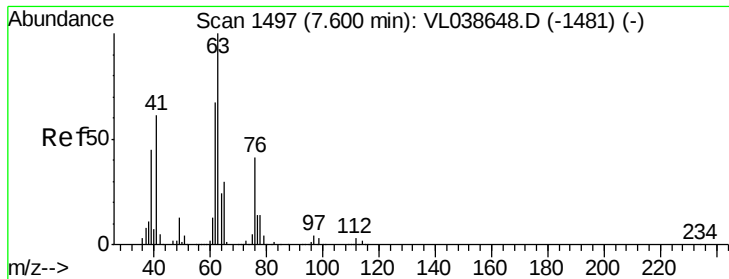
Tot Ion: 62 Resp: 888037
 Ion Ratio Lower Upper
 62 100
 98 6.9 5.6 8.4



#38
 Trichloroethene
 Concen: 8.771 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.02 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

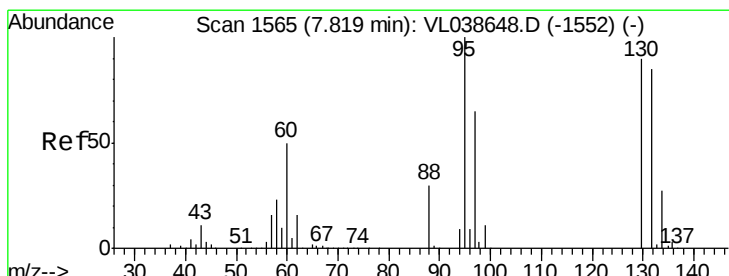
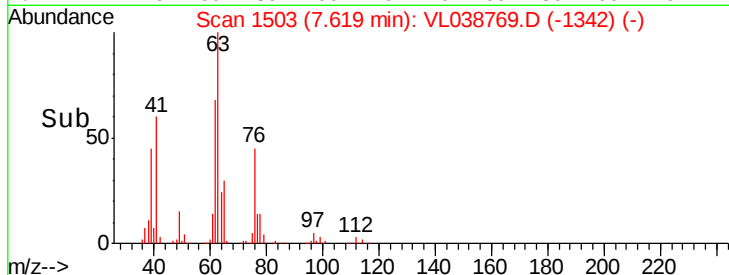
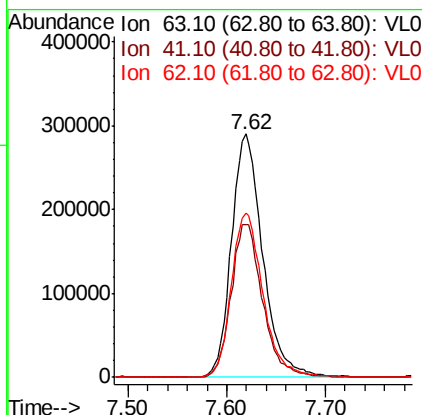
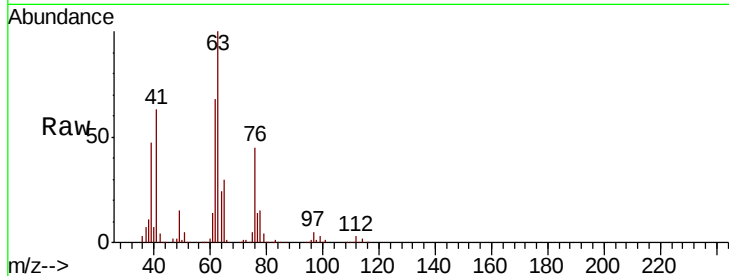
Tgt Ion:130 Resp: 706363
 Ion Ratio Lower Upper
 130 100
 95 108.4 88.9 133.3
 132 97.3 77.4 116.0
 97 71.8 58.2 87.4





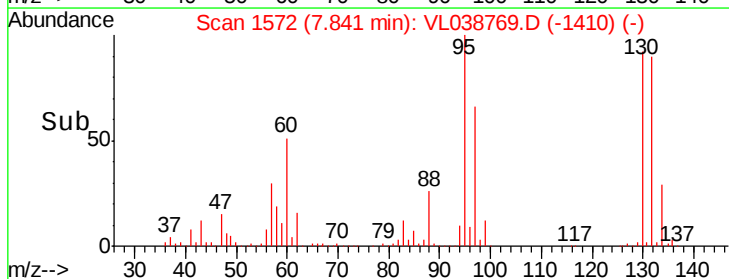
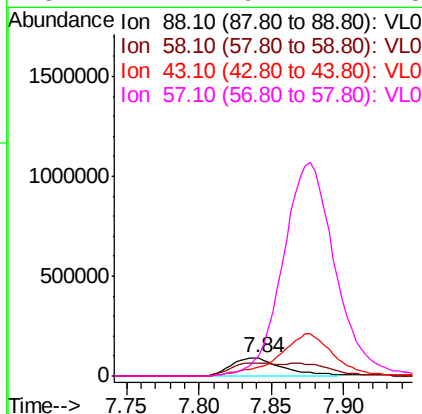
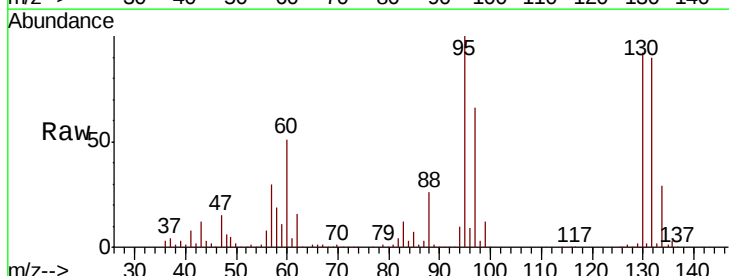
#39
 1,2-Dichloropropane
 Concen: 8.478 ppbv
 RT: 7.62
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0328ABS01
 Acq: 28 Mar 2022 13:28

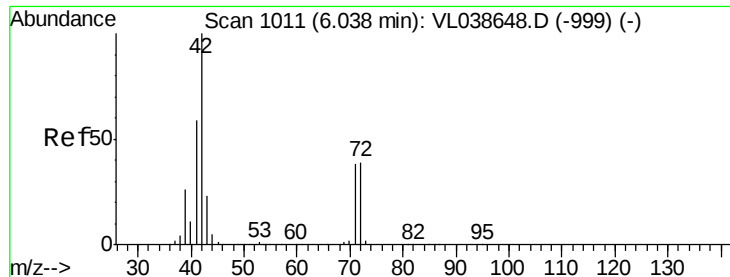
Tot Ion	63	Resp	637179
Ion Ratio	Lower	Upper	
63	100		
41	62.8	49.0	73.6
62	67.7	53.9	80.9



#40
 1,4-Dioxane
 Concen: 8.496 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T.: 0.02 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

Tgt Ion	88	Resp	221739
Ion Ratio	Lower	Upper	
88	100		
58	132.5	105.6	158.4
43	256.0	201.9	302.9
57	1217.1	942.1	1413.1





#41

Tetrahydrofuran

Concen: 8.616 ppbv

RT: 6.06 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 28 Mar 2022 13:28

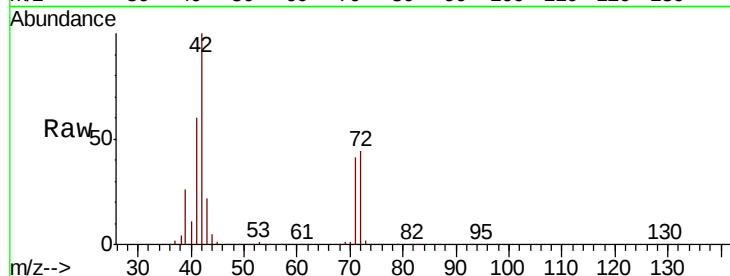
Tot Ion: 42 Resp: 632273

Ion Ratio Lower Upper

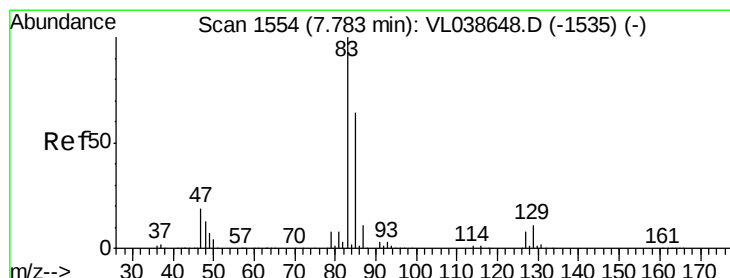
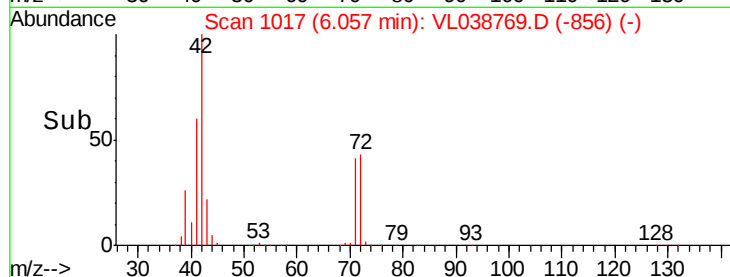
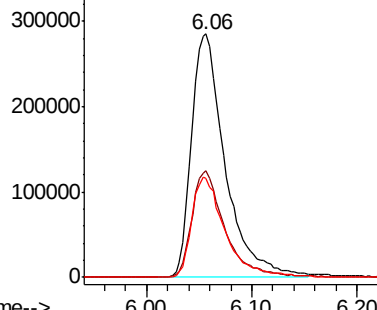
42 100

72 43.3 32.5 48.7

71 41.1 31.4 47.2



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.332 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.01 min

Lab File: VL038769.D

Acq: 28 Mar 2022 13:28

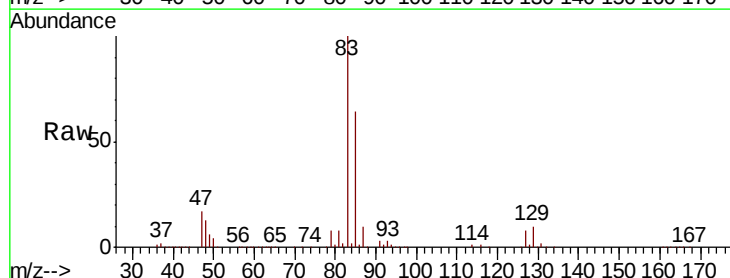
Tgt Ion: 83 Resp: 1368359

Ion Ratio Lower Upper

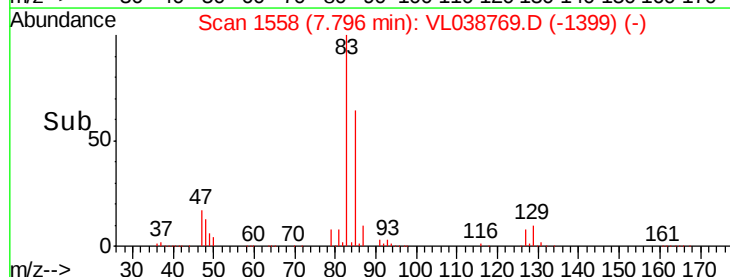
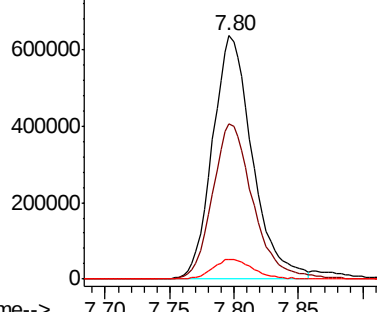
83 100

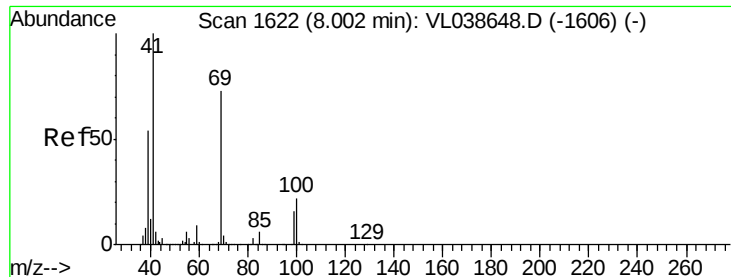
85 63.8 51.1 76.7

127 7.9 6.5 9.7



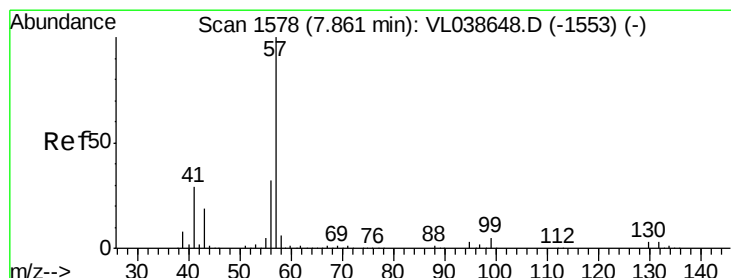
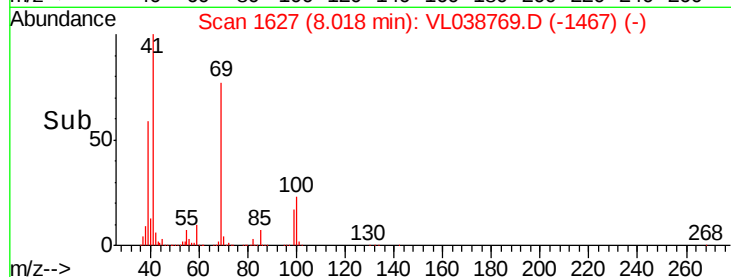
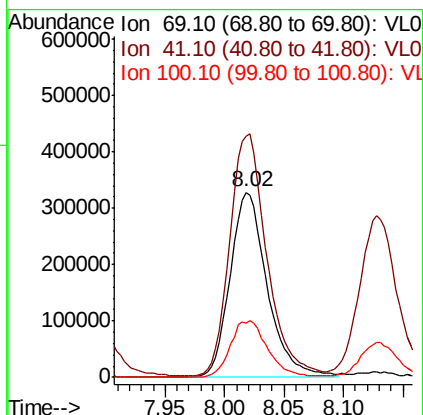
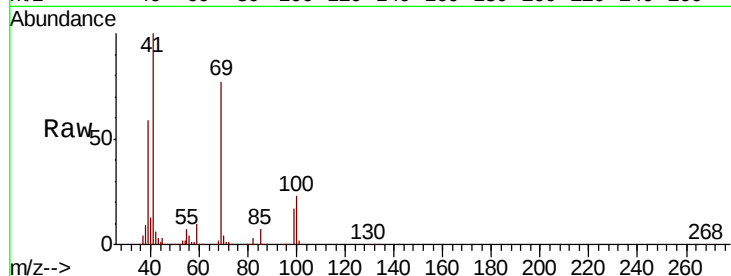
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





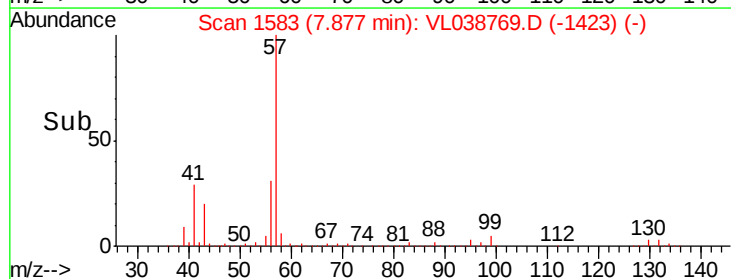
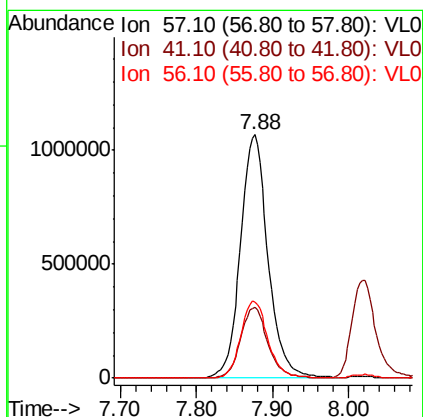
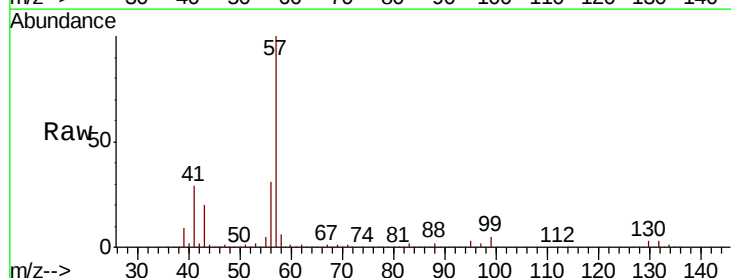
#43
Methyl Methacrylate
Concen: 9.911 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0328ABS01
Acq: 28 Mar 2022 13:28

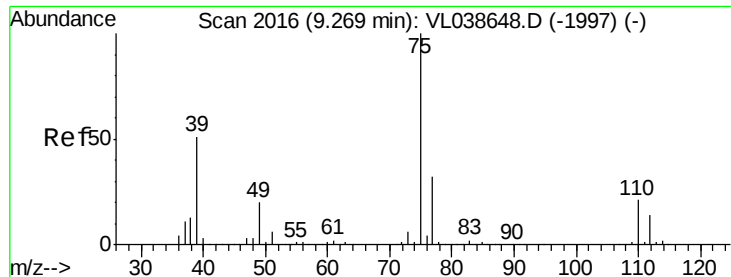
Tot Ion	69	Resp	707440
Ion Ratio	Lower	Upper	
69	100		
41	132.9	110.3	165.5
100	31.2	24.8	37.2



#44
2,2,4-Trimethylpentane
Concen: 8.357 ppbv
RT: 7.88 min Scan# 1583
Delta R.T.: 0.02 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

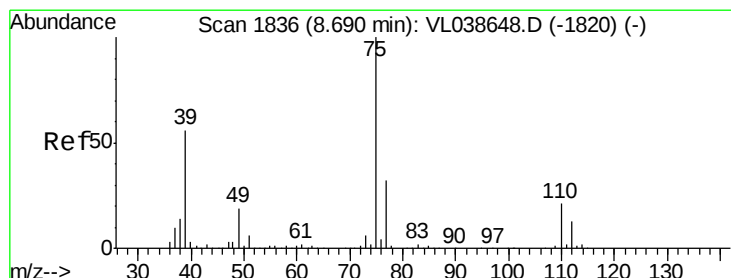
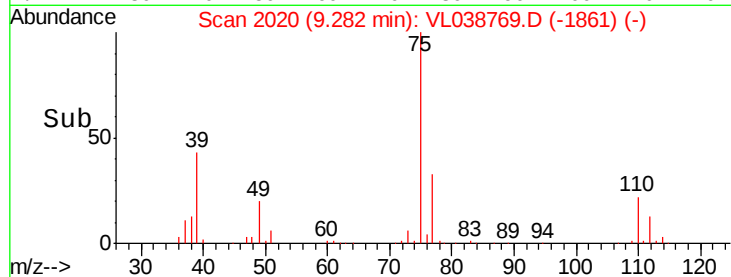
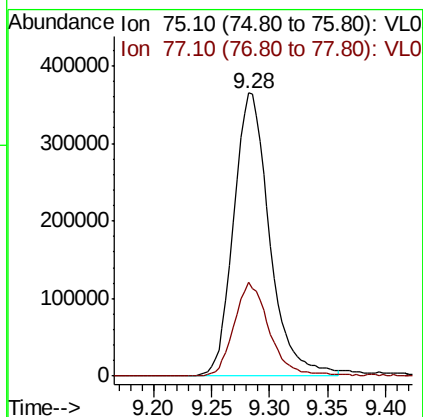
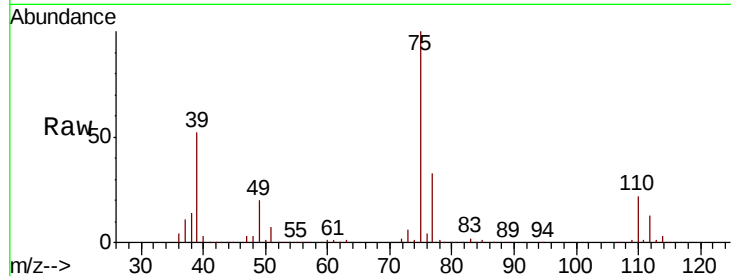
Tgt Ion	57	Resp	2697424
Ion Ratio	Lower	Upper	
57	100		
41	28.4	23.0	34.4
56	31.2	25.3	37.9





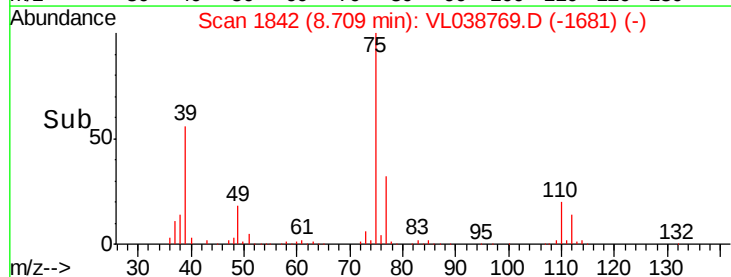
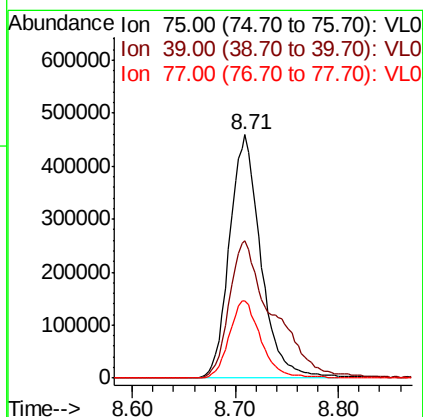
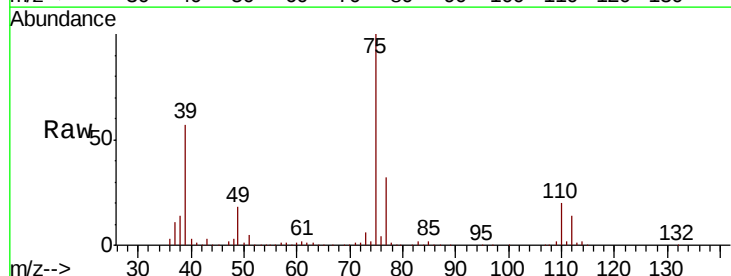
#45
 t-1,3-Dichloropropene
 Concen: 10.837 ppbv
 RT: 9.28
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0328ABS01
 Acq: 28 Mar 2022 13:28

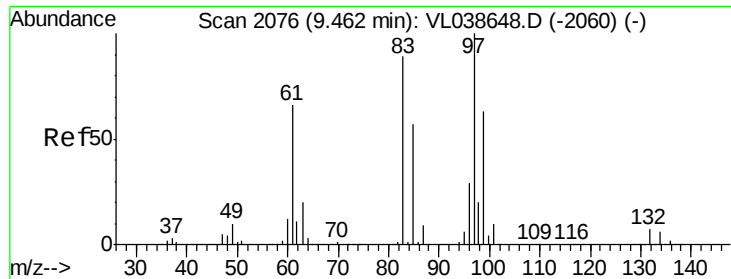
Tot Ion: 75 Resp: 786472
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 9.917 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. 0.02 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

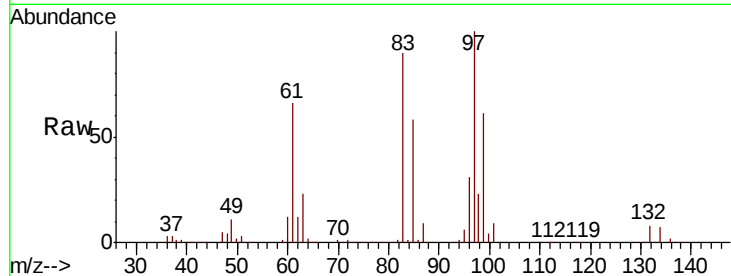
Tgt Ion: 75 Resp: 973176
 Ion Ratio Lower Upper
 75 100
 39 56.6 44.8 67.2
 77 31.6 25.4 38.0



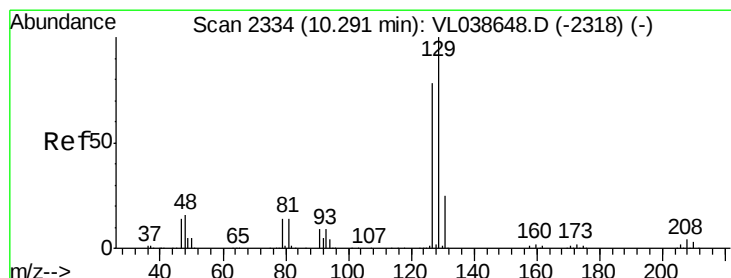
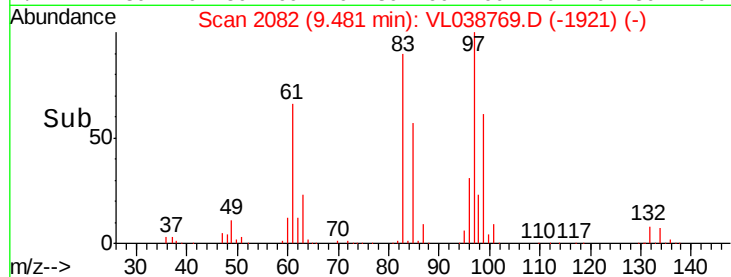
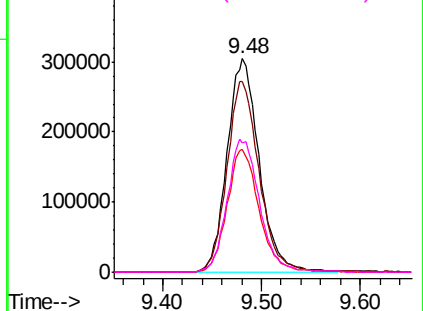


#47
 1,1,2-Trichloroethane
 Concen: 8.599 ppbv
 RT: 9.48
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VL0328ABS01
 Acq: 28 Mar 2022 13:28

Tot Ion:	97	Resp:	690029
Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.2	106.8
85	57.4	45.3	67.9
99	60.6	50.6	76.0

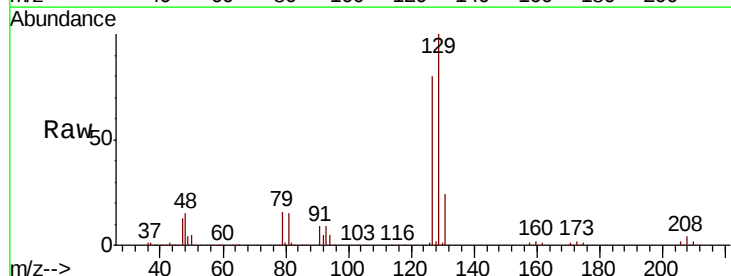


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

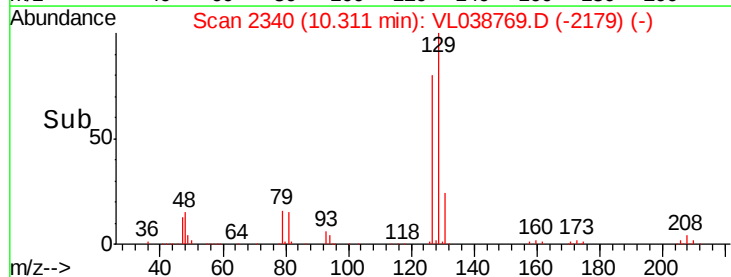
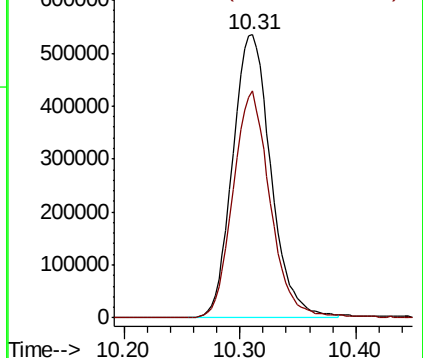


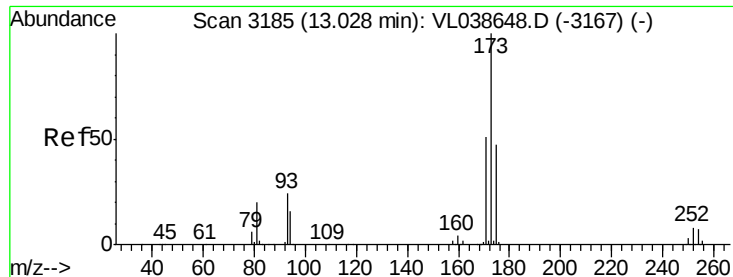
#48
 Dibromochloromethane
 Concen: 9.752 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T.: 0.02 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

Tgt Ion:	129	Resp:	1225789
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.5	118.5



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.950 ppbv

RT: 13.05

Delta R.T.

Lab File:

Acq: 28 Mar 2022 13:28

Instrument: MSVOA_1

ClientSampleId:

VL0328ABS01

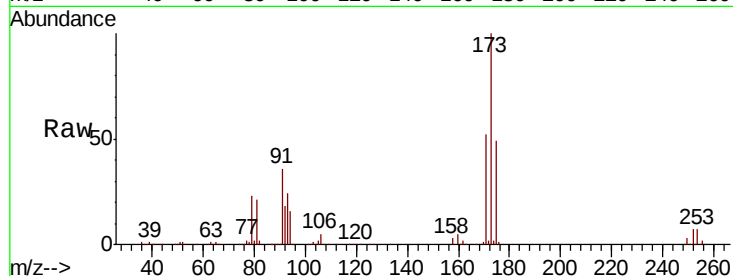
Tot Ion:173 Resp: 1019274

Ion Ratio Lower Upper

173 100

175 50.7 41.0 61.6

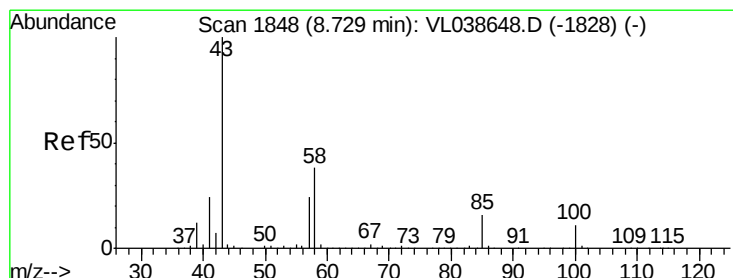
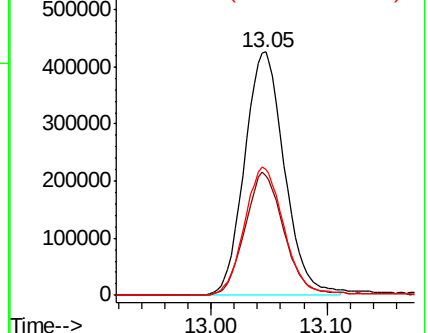
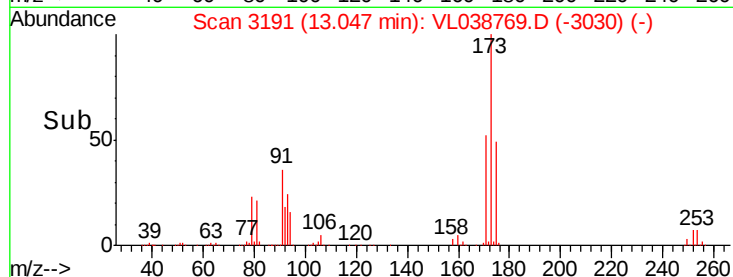
171 53.7 43.1 64.7



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: 8.542 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL038769.D

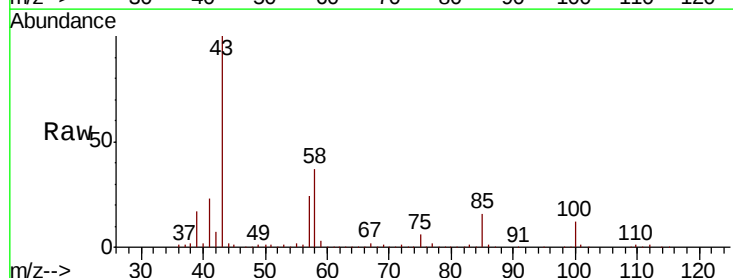
Acq: 28 Mar 2022 13:28

Tgt Ion: 43 Resp: 1565822

Ion Ratio Lower Upper

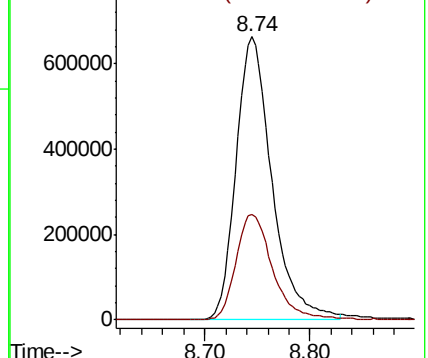
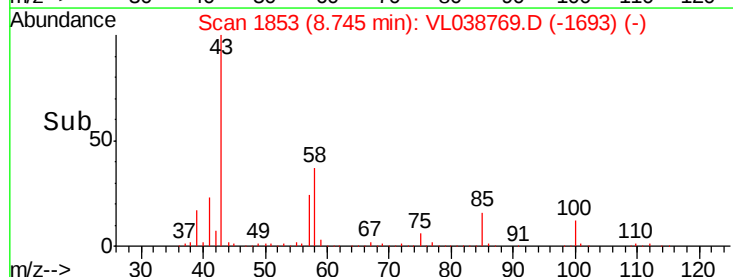
43 100

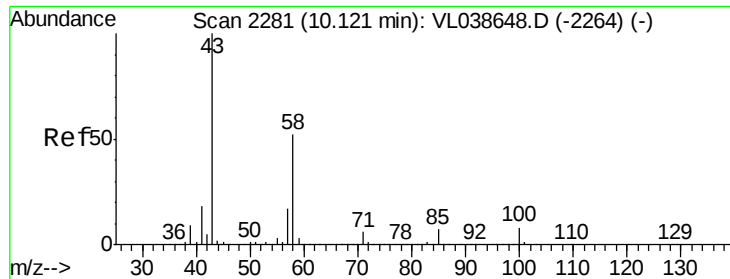
58 38.7 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

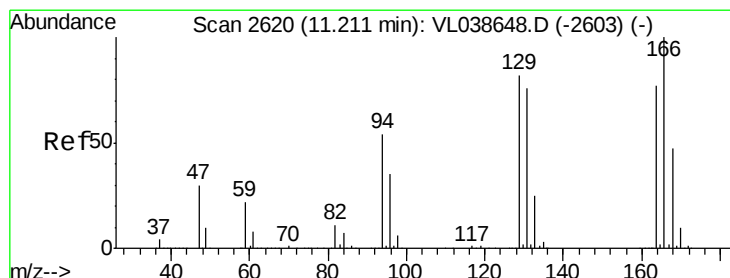
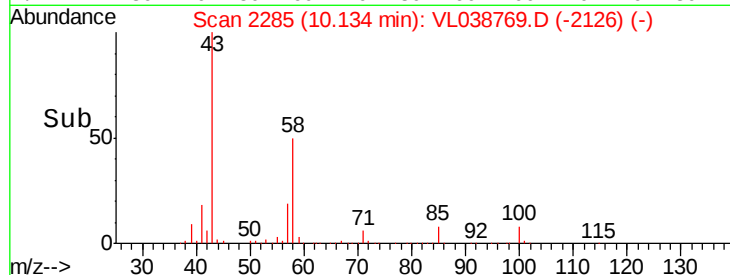
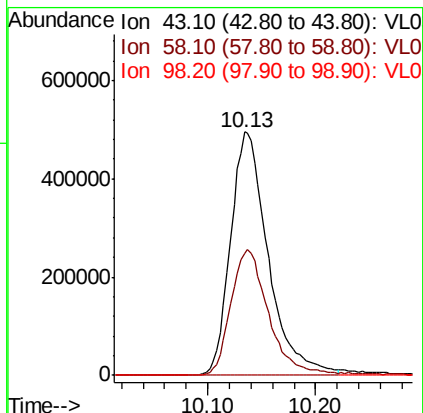
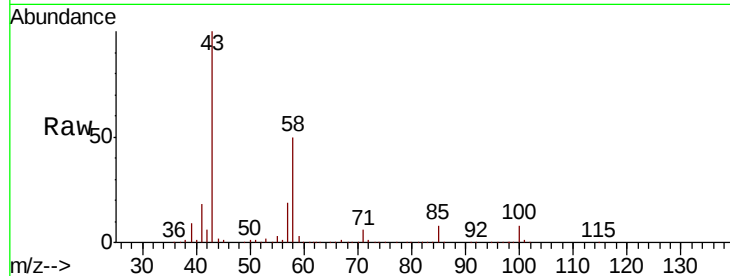




#51
2-Hexanone
Concen: 9.128 ppbv
RT: 10.13
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0328ABS01
Acq: 28 Mar 2022 13:28

Tot Ion: 43 Resp: 1201782

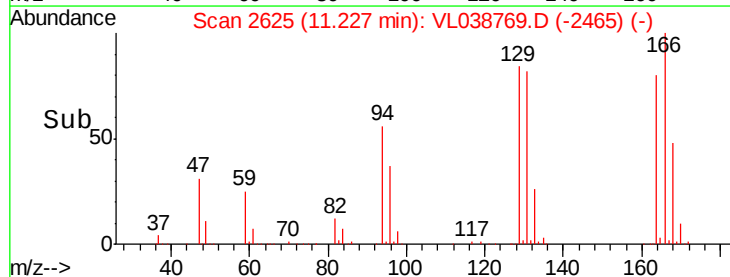
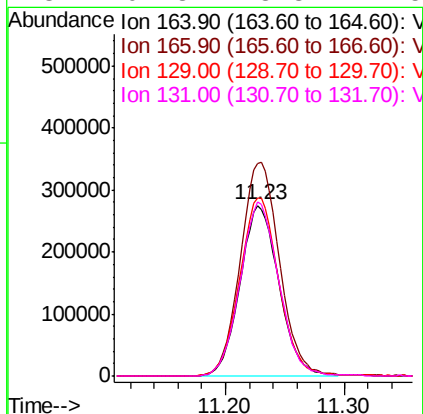
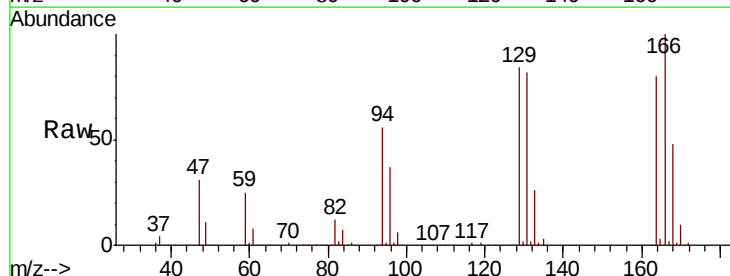
Ion	Ratio	Lower	Upper
43	100		
58	52.8	41.2	61.8
98	0.2	0.2	0.4#

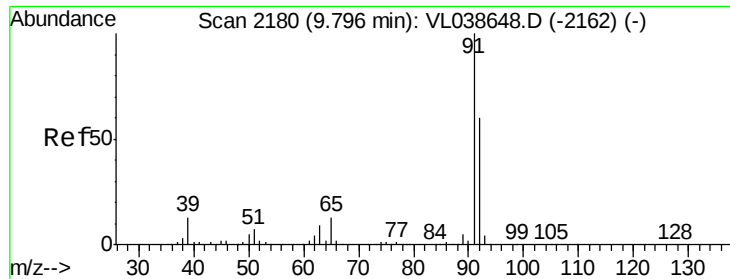


#52
Tetrachloroethene
Concen: 8.782 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.02 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

Tgt Ion: 164 Resp: 617869

Ion	Ratio	Lower	Upper
164	100		
166	124.8	103.3	154.9
129	104.4	85.2	127.8
131	102.3	78.3	117.5





#53

Toluene

Concen: 9.205 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

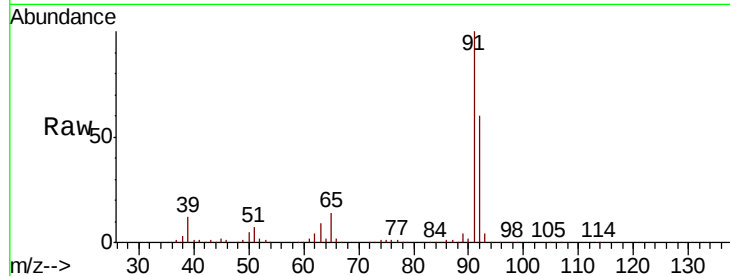
Acq: 28 Mar 2022 13:28 VL0328ABS01

Tot Ion: 91 Resp: 1901521

Ion Ratio Lower Upper

91 100

92 60.4 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.81

800000

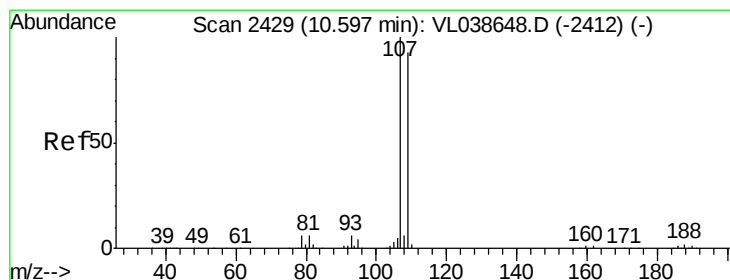
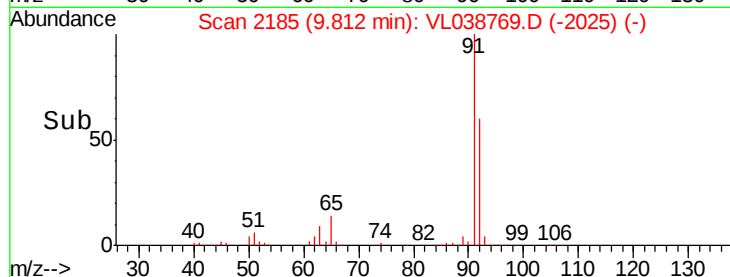
600000

400000

200000

0

Time-->



#54

1,2-Dibromoethane

Concen: 9.477 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.02 min

Lab File: VL038769.D

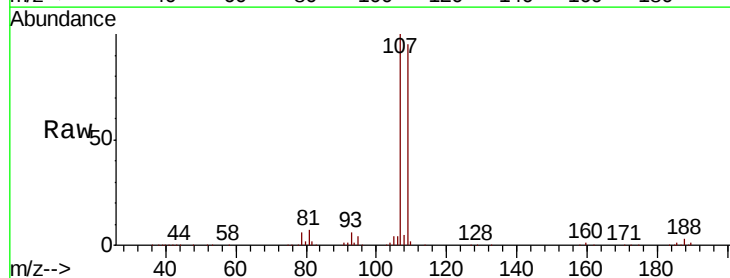
Acq: 28 Mar 2022 13:28

Tgt Ion: 107 Resp: 1038403

Ion Ratio Lower Upper

107 100

109 94.9 74.1 111.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.62

500000

400000

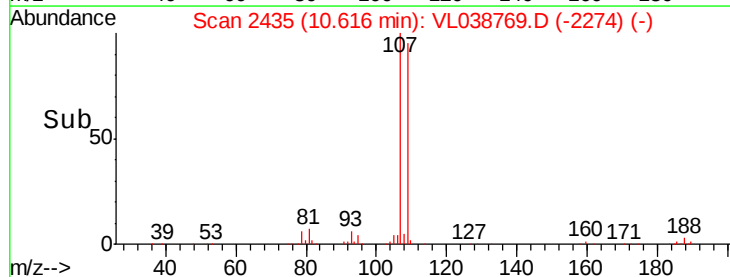
300000

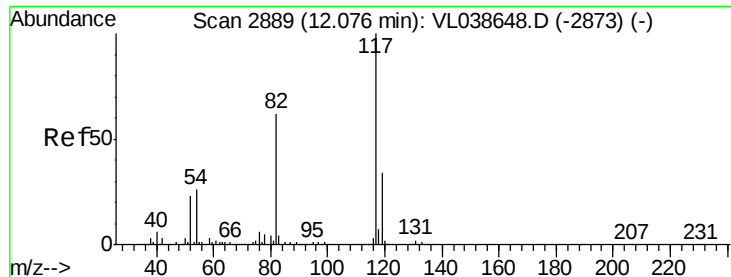
200000

100000

0

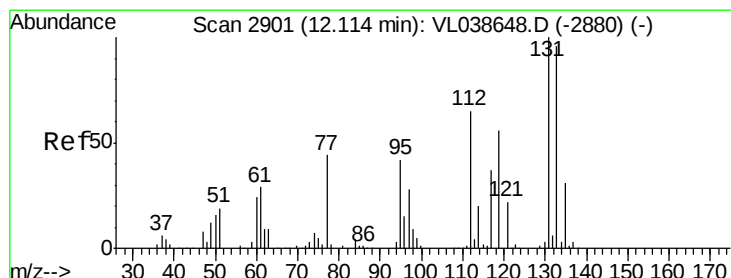
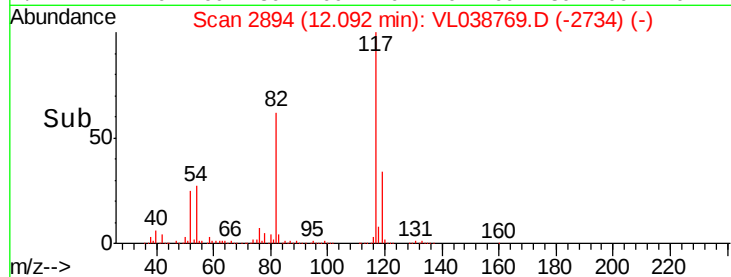
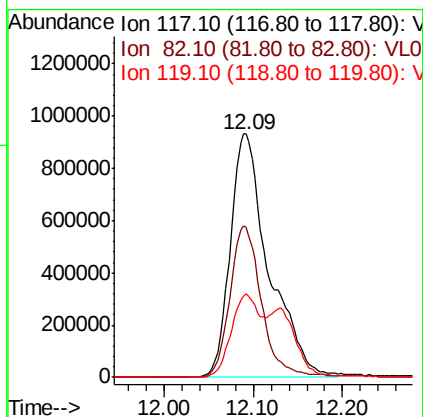
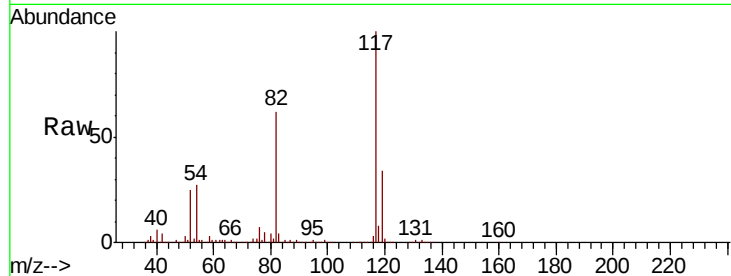
Time-->





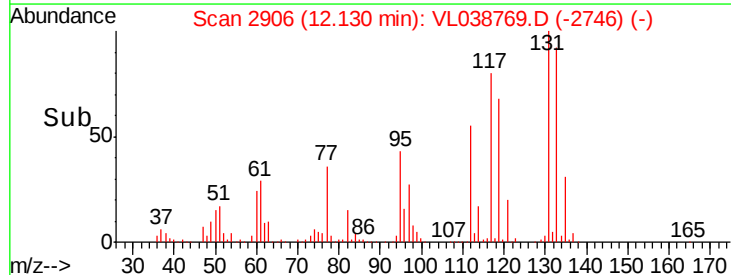
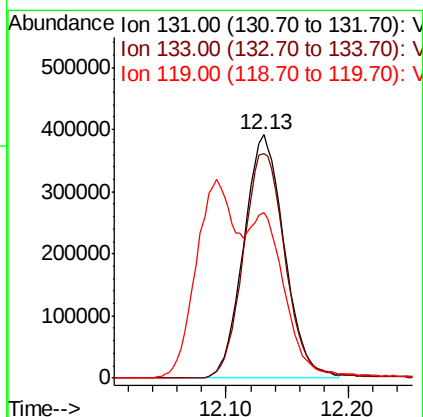
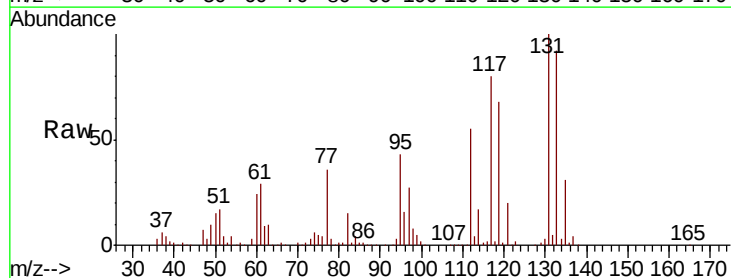
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0328ABS01
Acq: 28 Mar 2022 13:28

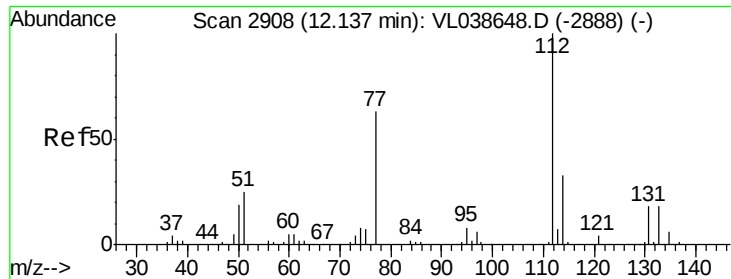
Tot Ion:117 Resp: 2789123
Ion Ratio Lower Upper
117 100
82 52.3 51.6 77.4
119 26.7 26.9 40.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.766 ppbv
RT: 12.13 min Scan# 2906
Delta R.T.: 0.02 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

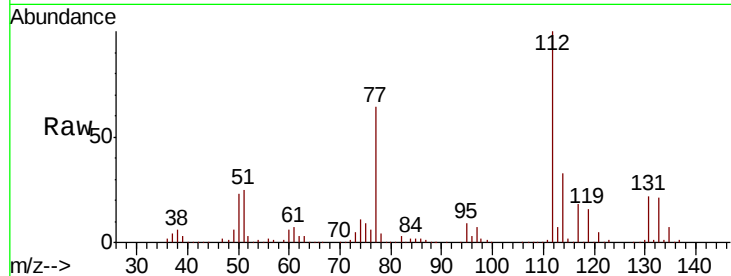
Tgt Ion:131 Resp: 898031
Ion Ratio Lower Upper
131 100
133 96.6 77.3 115.9
119 145.8 53.0 79.6#



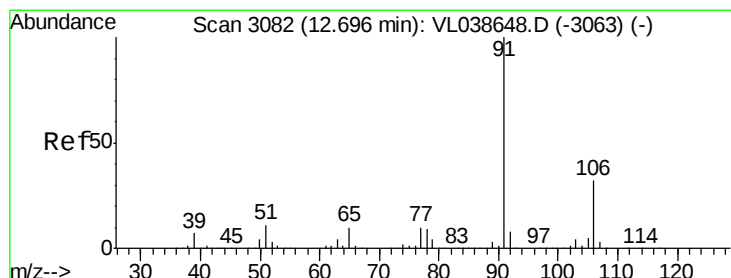
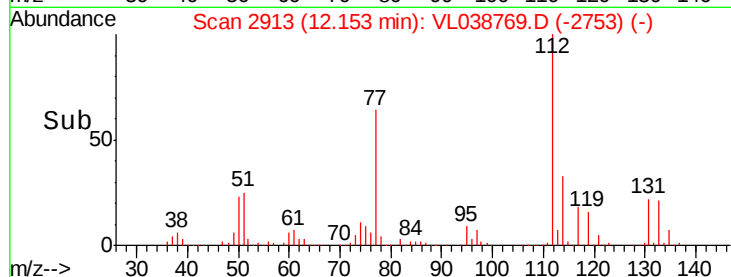
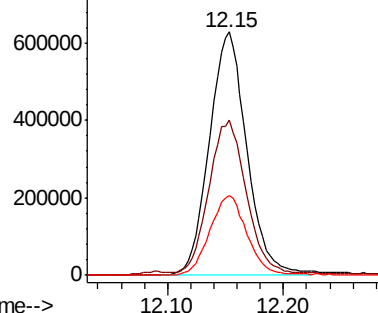


#57
Chlorobenzene
Concen: 7.032 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0328ABS01
Acq: 28 Mar 2022 13:28

Tot Ion:112 Resp: 1414586
Ion Ratio Lower Upper
112 100
77 62.9 51.0 76.6
114 32.5 29.8 36.4

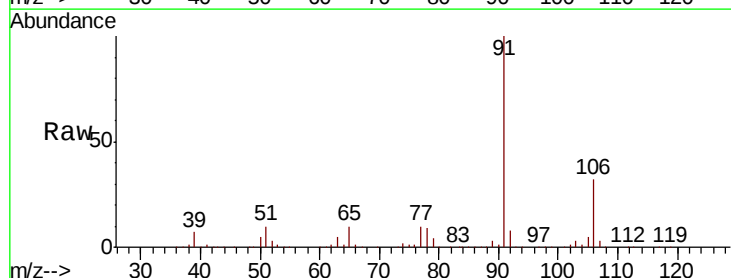


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

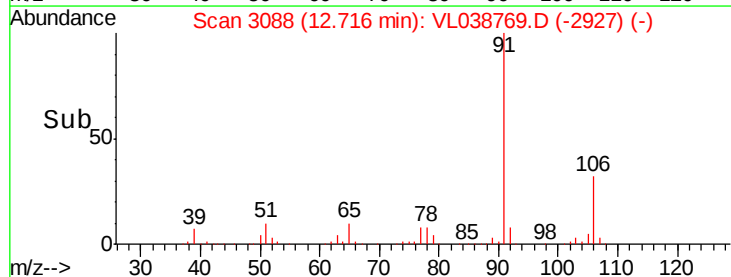
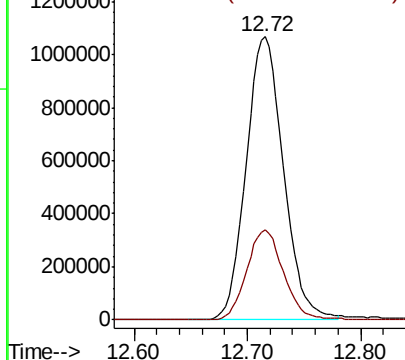


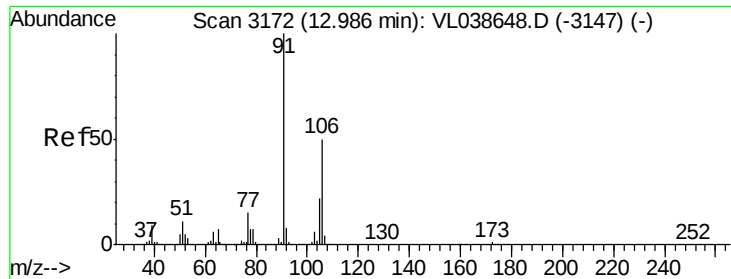
#58
Ethyl Benzene
Concen: 7.513 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.02 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

Tgt Ion: 91 Resp: 2449625
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0



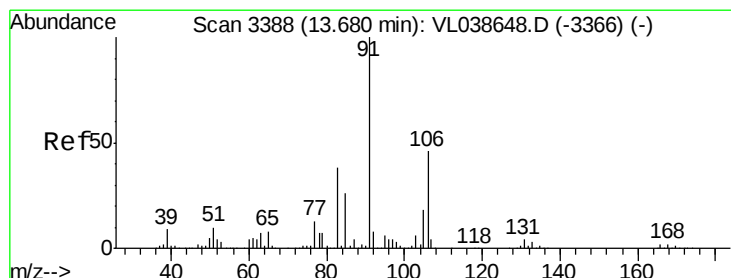
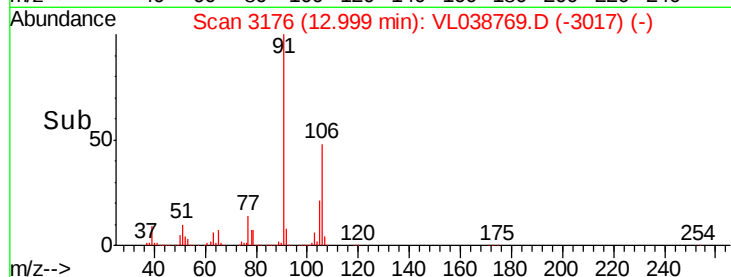
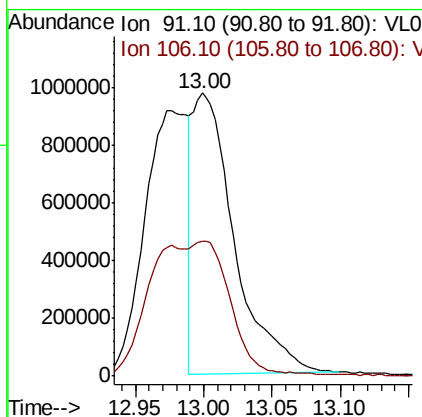
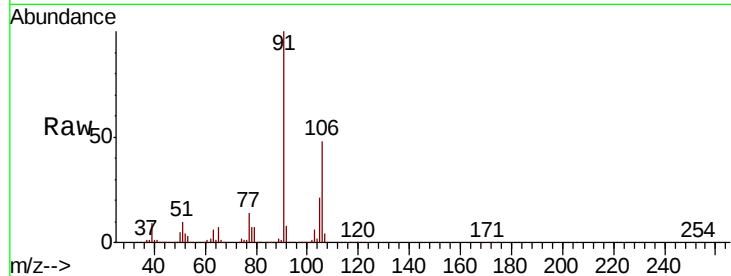
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





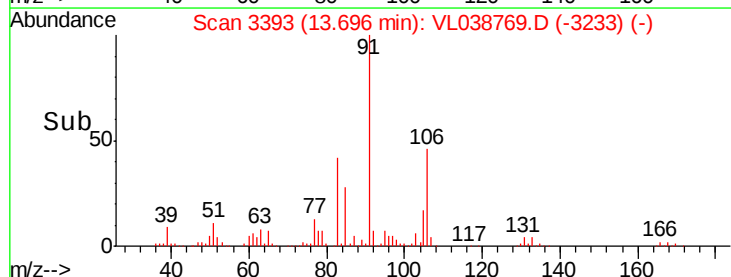
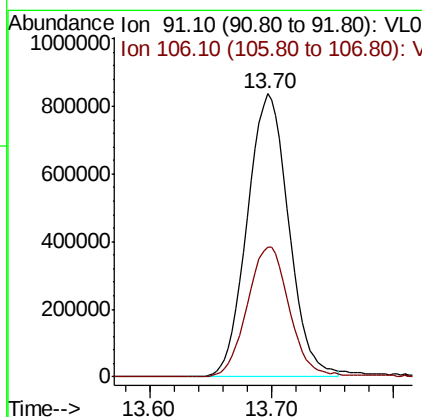
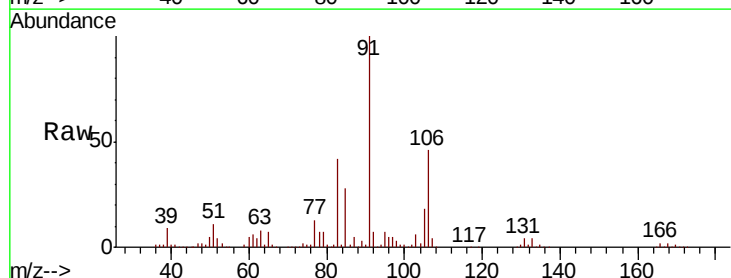
#59
m/p-Xylene
Concen: 7.200 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0328ABS01
Acq: 28 Mar 2022 13:28

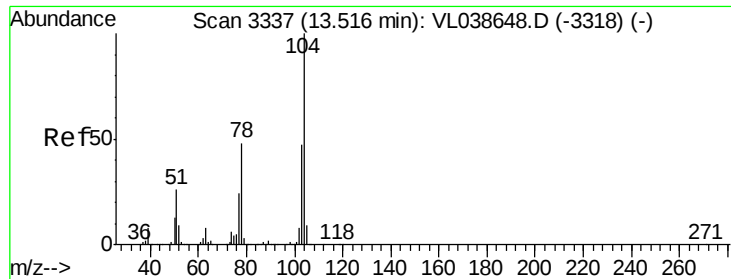
Tot Ion: 91 Resp: 2053695
Ion Ratio Lower Upper
91 100
106 93.7 37.2 55.8#



#60
o-Xylene
Concen: 7.270 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

Tgt Ion: 91 Resp: 1968851
Ion Ratio Lower Upper
91 100
106 47.3 23.5 70.5

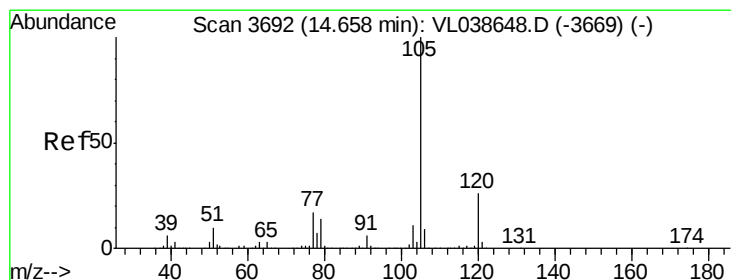
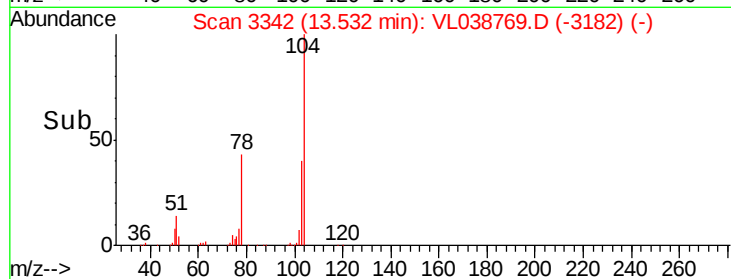
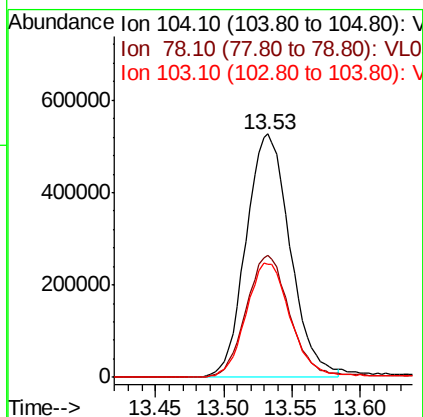
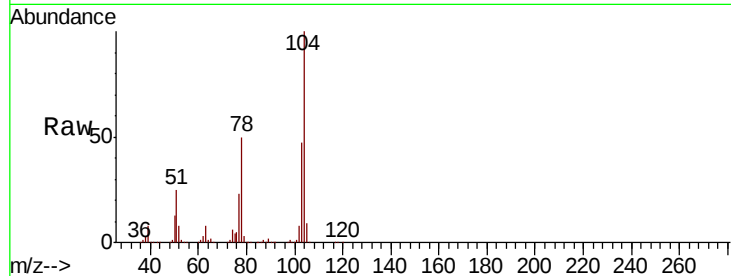




#61
Stvrene
Concen: 8.071 ppbv
RT: 13.53 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: VL0328ABS01
Acq: 28 Mar 2022 13:28

Tot Ion:104 Resp: 1185273

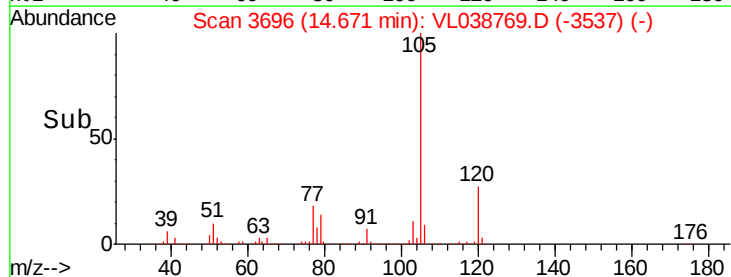
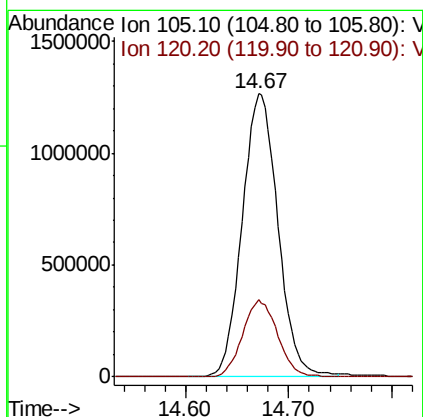
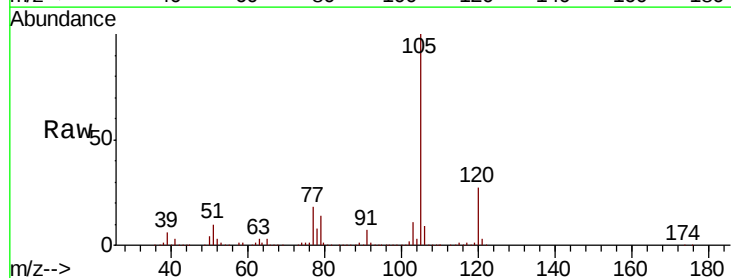
Ion	Ratio	Lower	Upper
104	100		
78	50.3	39.0	58.4
103	47.8	37.8	56.8

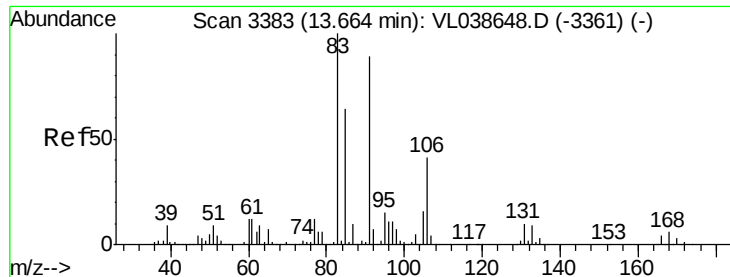


#62
Isopropylbenzene
Concen: 7.479 ppbv
RT: 14.67 min Scan# 3696
Delta R.T.: 0.01 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

Tgt Ion:105 Resp: 3044972

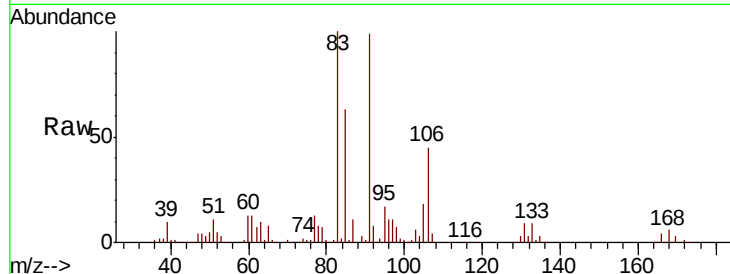
Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.2	31.8



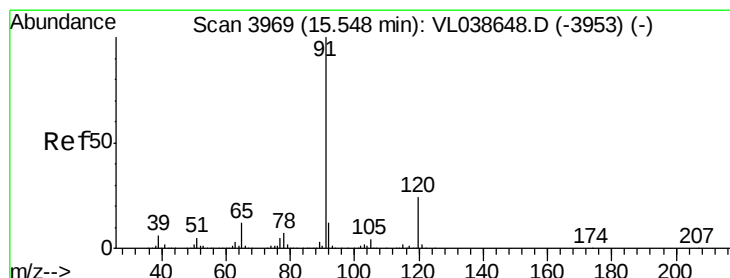
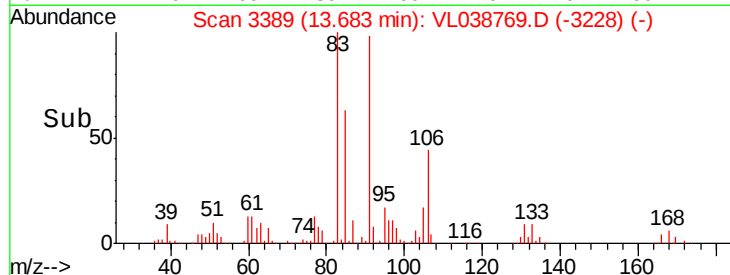
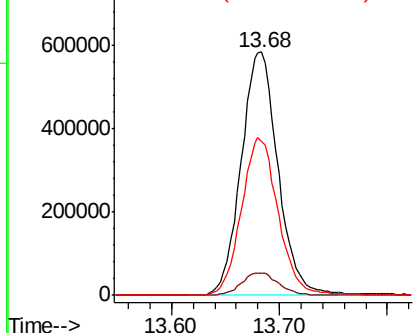


#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.594 ppbv
 RT: 13.68 min
 Delta R.T. 0.02 min
 Lab File: VL0328ABS01
 Acq: 28 Mar 2022 13:28

Tot Ion: 83 Resp: 1383254
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.8 14.3
 85 65.1 32.6 97.8

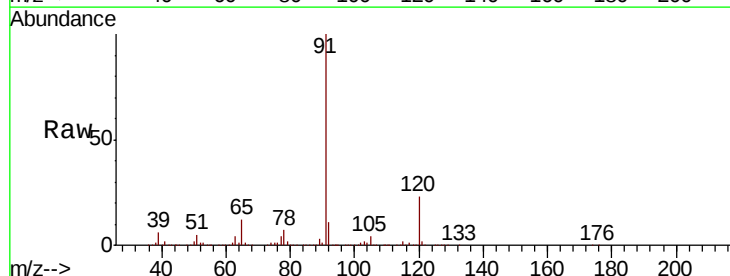


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

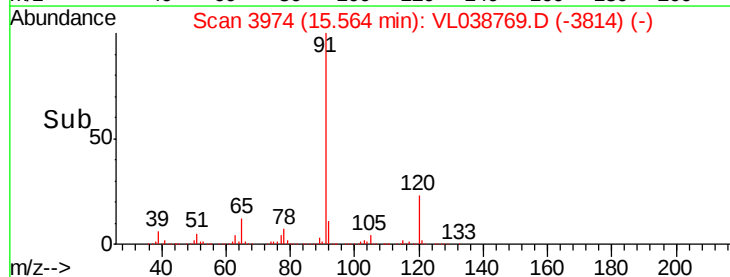
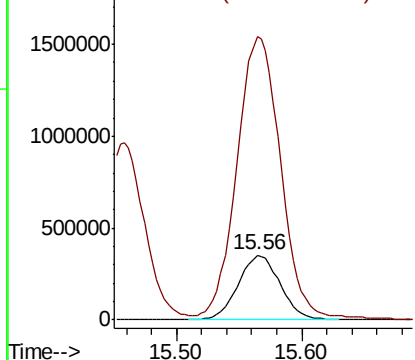


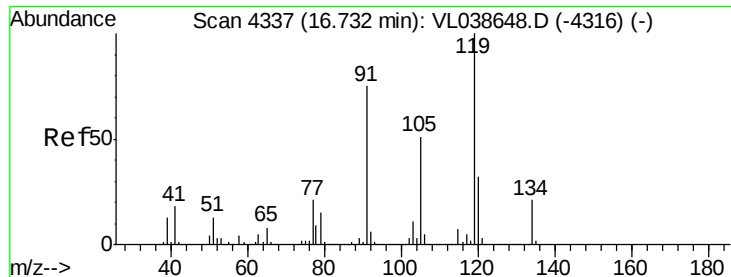
#64
 n-propylbenzene
 Concen: 7.680 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.02 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

Tgt Ion:120 Resp: 820420
 Ion Ratio Lower Upper
 120 100
 91 458.0 368.0 552.0



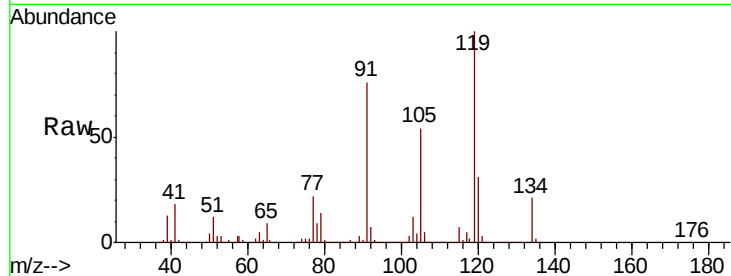
Abundance Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0



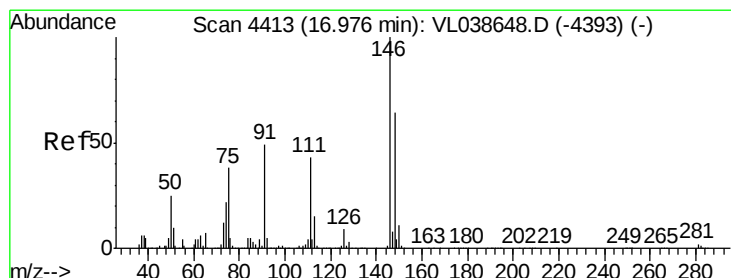
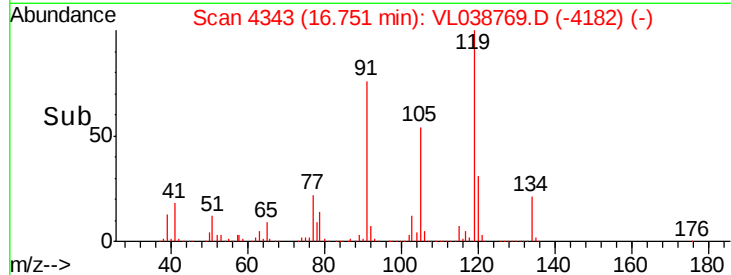
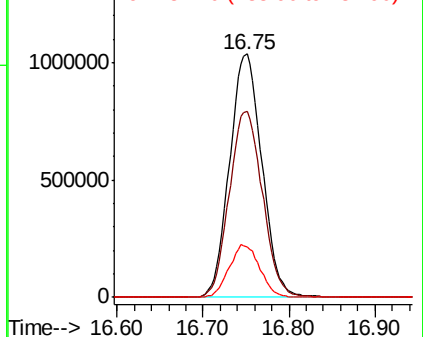


#65
tert-Butylbenzene
Concen: 7.404 ppbv
RT: 16.75 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0328ABS01
Acq: 28 Mar 2022 13:28

Tot Ion: 119 Resp: 2708487
Ion Ratio Lower Upper
119 100
91 78.5 61.2 91.8
134 20.5 16.3 24.5

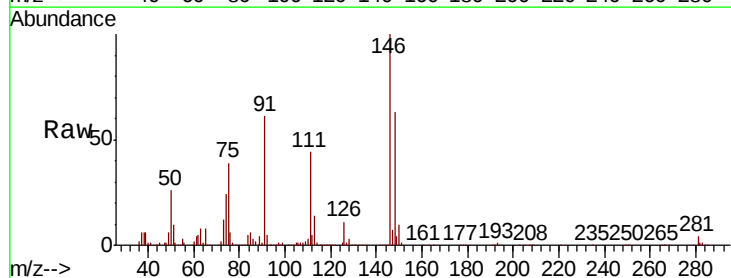


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

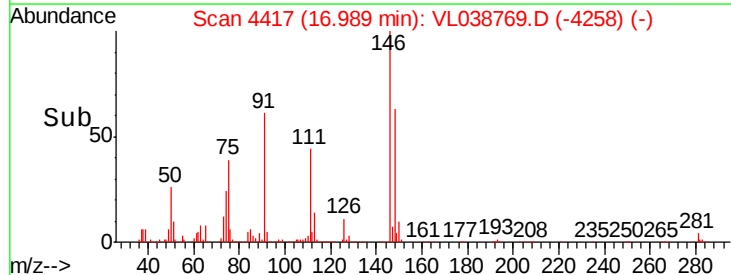
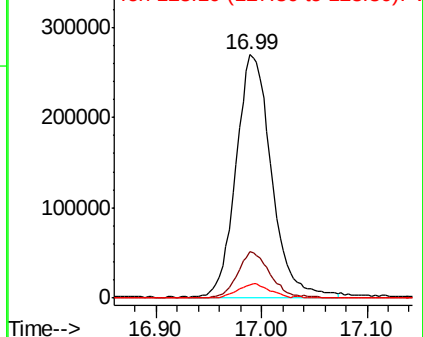


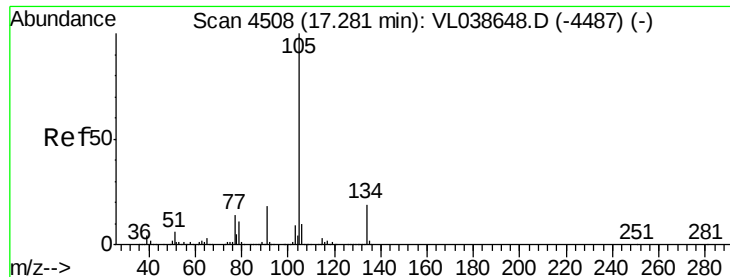
#66
Benzyl Chloride
Concen: 9.042 ppbv
RT: 16.99 min Scan# 4417
Delta R.T.: 0.01 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

Tgt Ion: 91 Resp: 626321
Ion Ratio Lower Upper
91 100
126 17.8 14.3 21.5
128 5.8 4.6 6.8



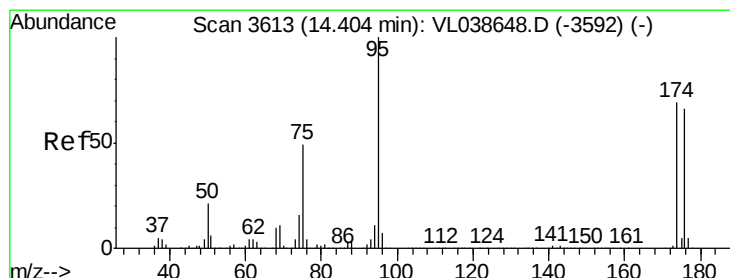
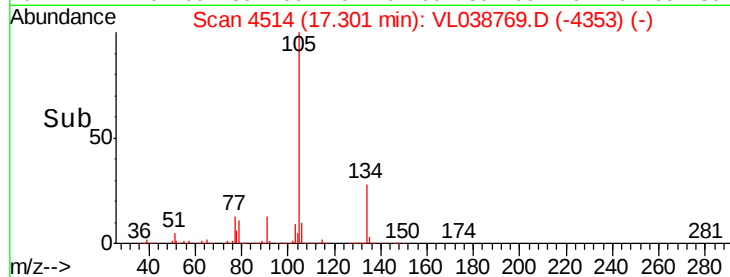
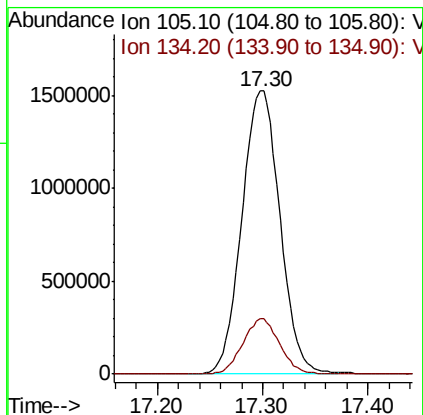
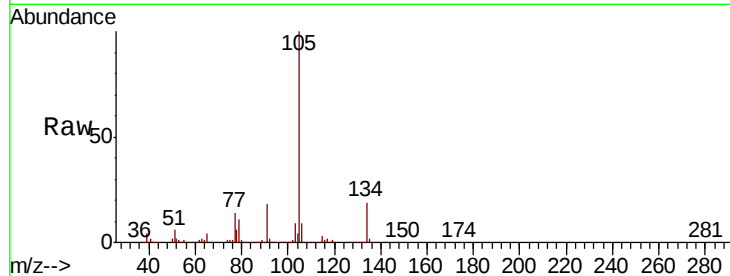
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V





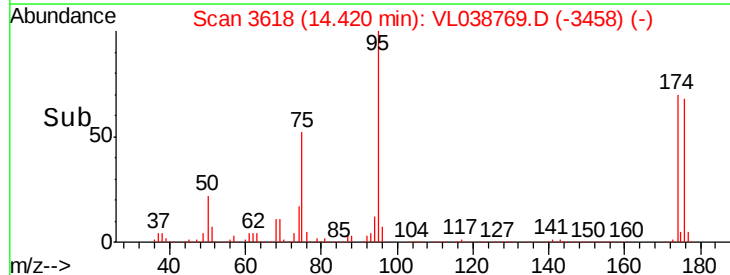
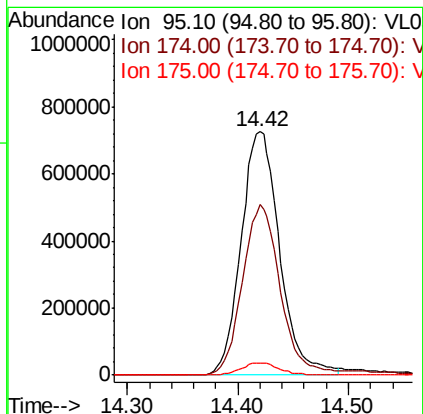
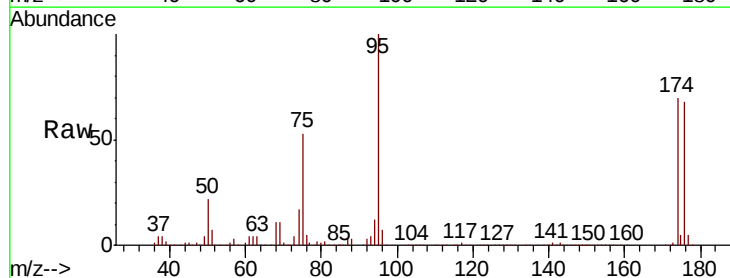
#67
 sec-Butylbenzene
 Concen: 7.329 ppbv
 RT: 17.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0328ABS01
 Acq: 28 Mar 2022 13:28

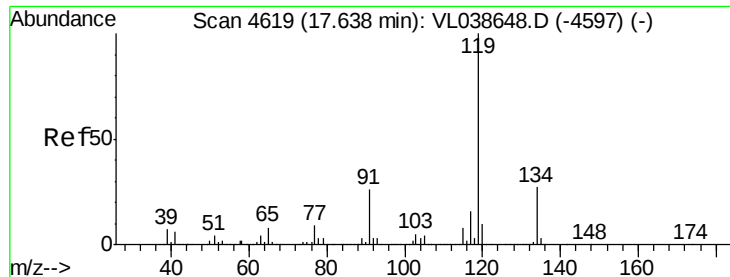
Tot Ion: 105 Resp: 3834309
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.240 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.02 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

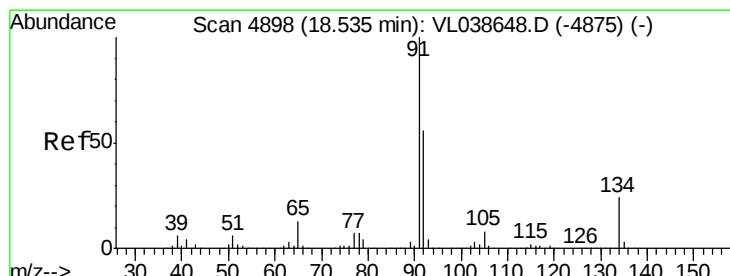
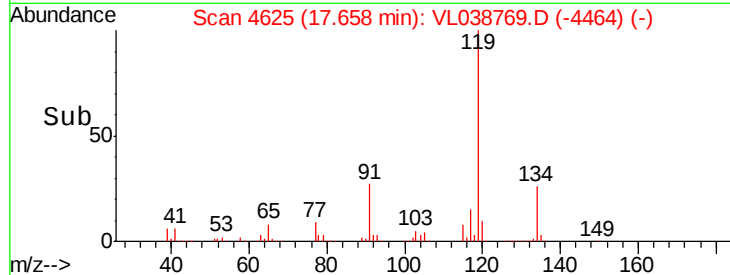
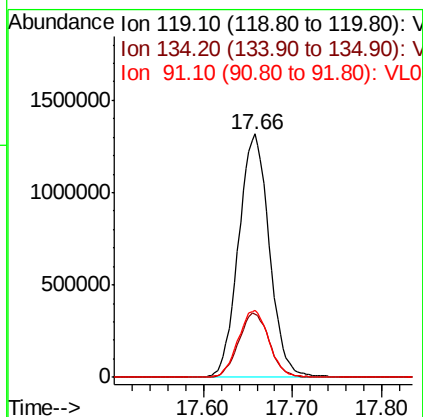
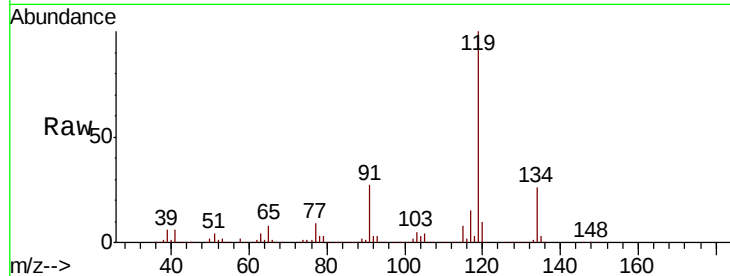
Tgt Ion: 95 Resp: 1762066
 Ion Ratio Lower Upper
 95 100
 174 71.1 56.1 84.1
 175 5.2 4.2 6.2





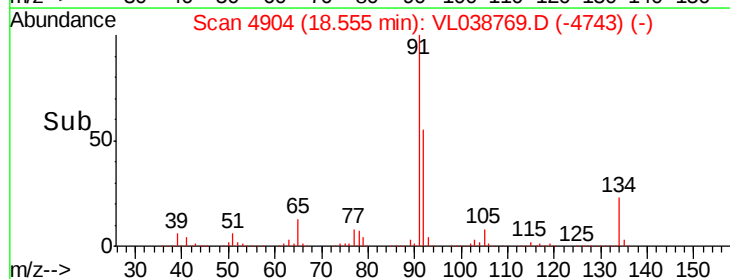
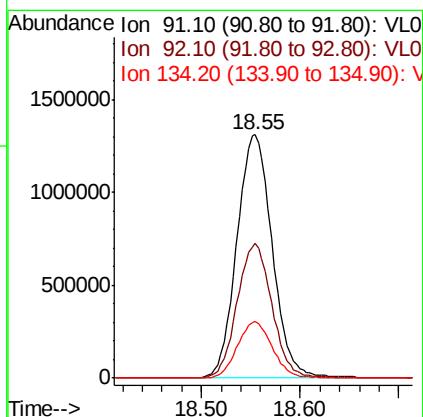
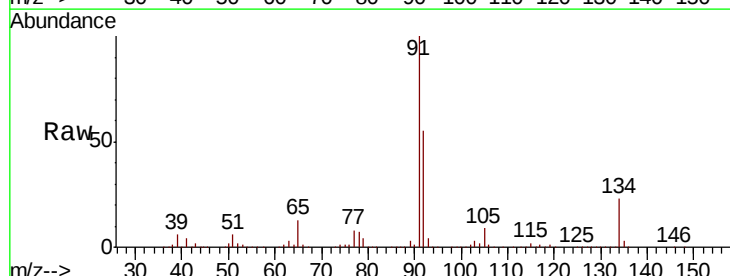
#69
 p-Isopropyltoluene
 Concen: 7.395 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0328ABS01
 Acq: 28 Mar 2022 13:28

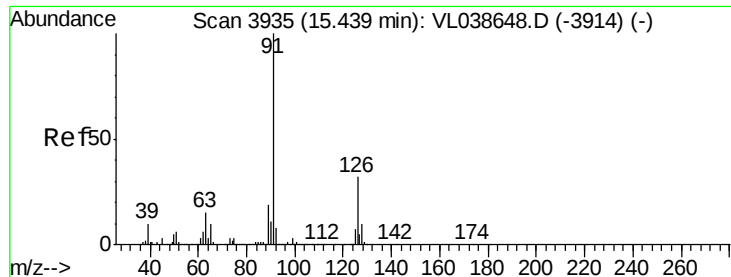
Tot Ion:	119	Resp:	3157459
Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	27.6	21.4	32.2



#70
 n-Butylbenzene
 Concen: 7.375 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.02 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

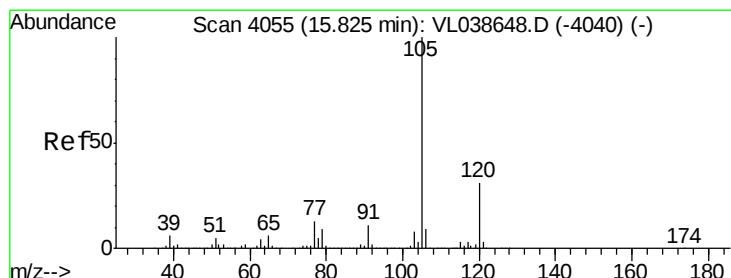
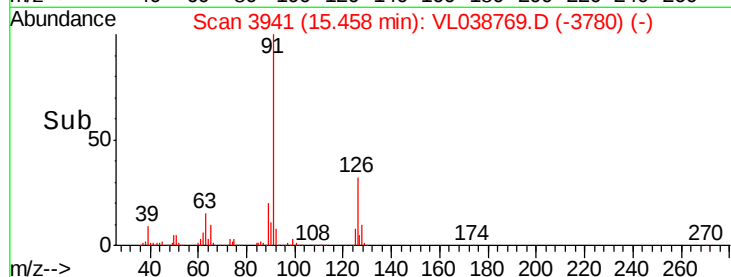
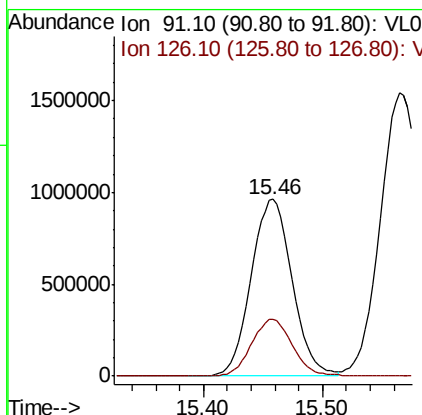
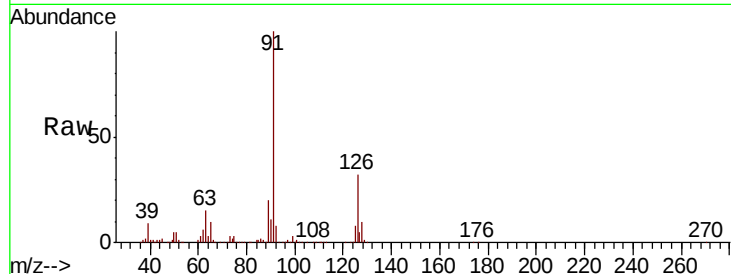
Tgt Ion:	91	Resp:	3248134
Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.9	65.9
134	23.1	18.7	28.1





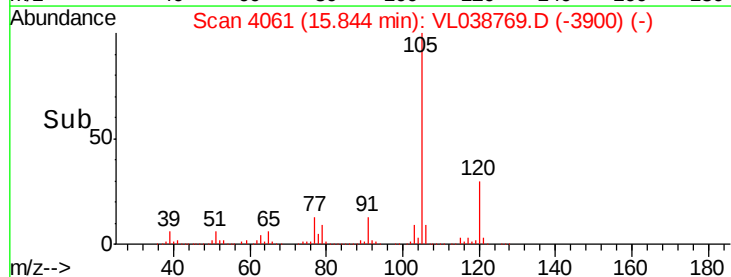
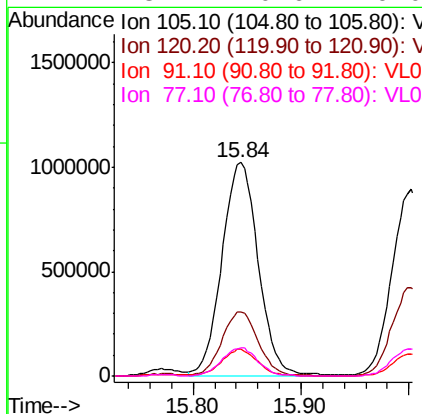
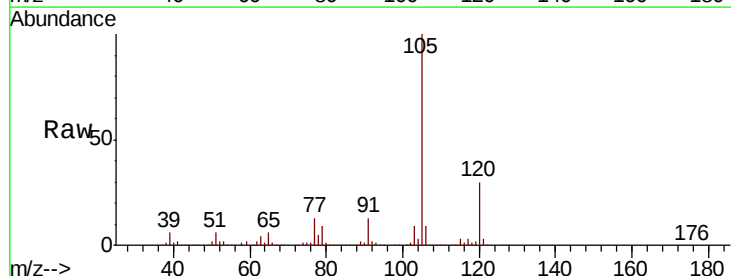
#71
 2-Chlorotoluene
 Concen: 7.602 ppbv
 RT: 15.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0328ABS01
 Acq: 28 Mar 2022 13:28

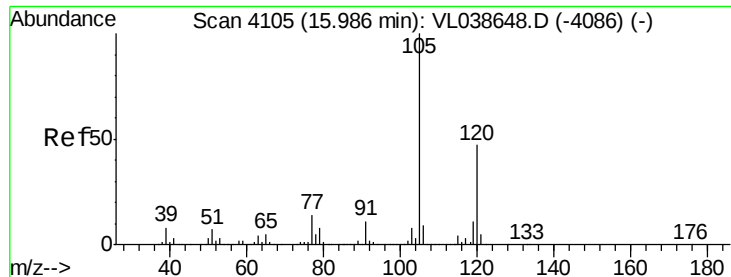
Tot Ion: 91 Resp: 2297253
 Ion Ratio Lower Upper
 91 100
 126 32.6 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 7.482 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.02 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

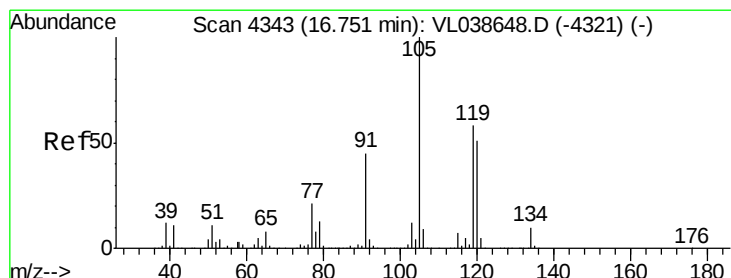
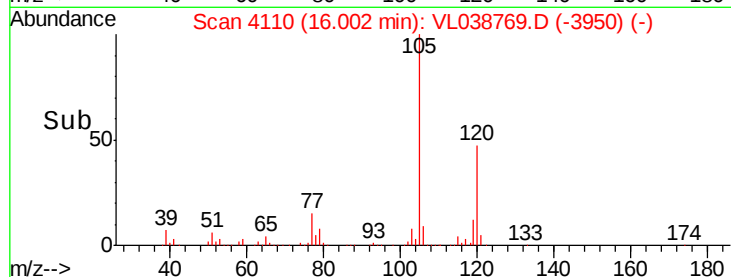
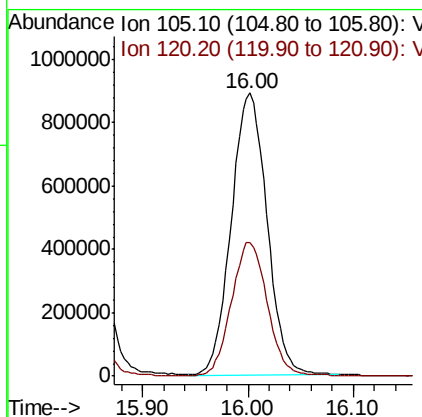
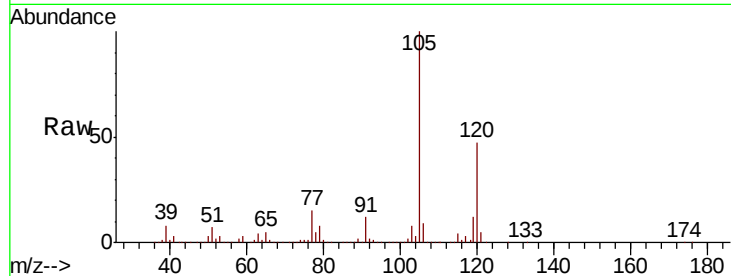
Tgt Ion:105 Resp: 2391980
 Ion Ratio Lower Upper
 105 100
 120 30.4 24.9 37.3
 91 12.2 9.8 14.6
 77 13.2 10.6 16.0





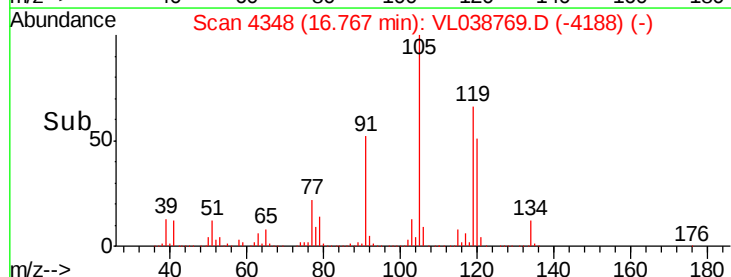
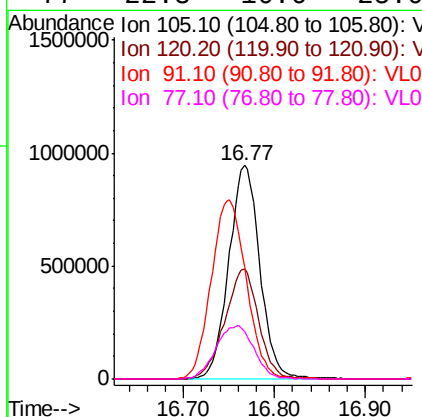
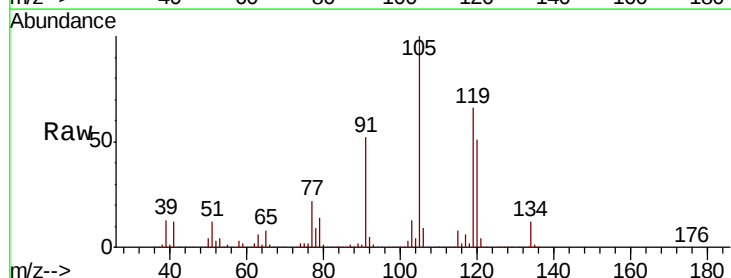
#73
 1,3,5-Trimethylbenzene
 Concen: 7.167 ppbv
 RT: 16.00 min
 Delta R.T. 0.02 min
 Lab File: VL0328ABS01
 Acq: 28 Mar 2022 13:28

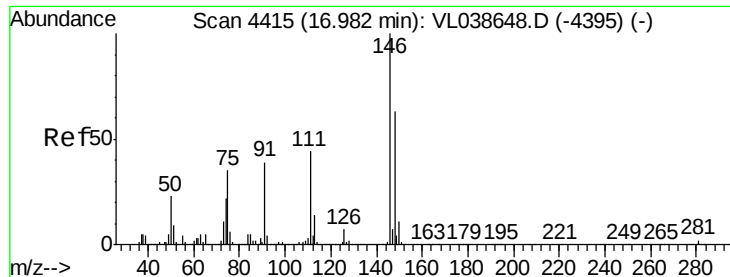
Tot Ion:105 Resp: 2087954
 Ion Ratio Lower Upper
 105 100
 120 47.4 37.6 56.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.049 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.02 min
 Lab File: VL038769.D
 Acq: 28 Mar 2022 13:28

Tgt Ion:105 Resp: 2236703
 Ion Ratio Lower Upper
 105 100
 120 51.2 40.5 60.7
 91 51.8 35.9 53.9
 77 22.3 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 6.742 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Mar 2022 13:28

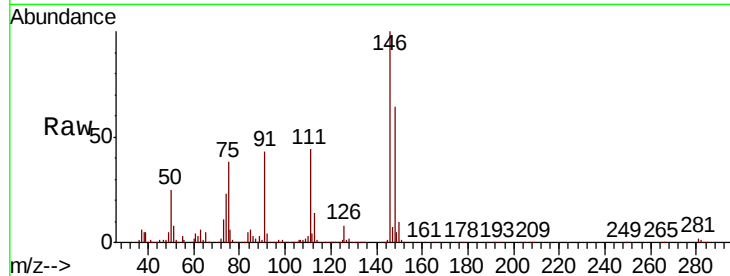
Tot Ion:146 Resp: 1362620

Ion Ratio Lower Upper

146 100

111 44.7 22.2 66.6

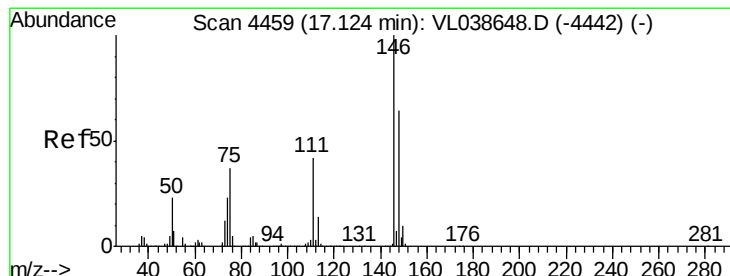
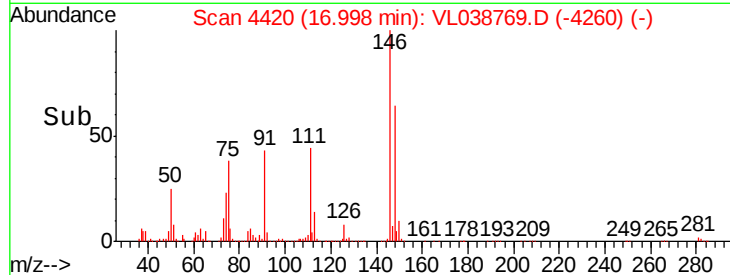
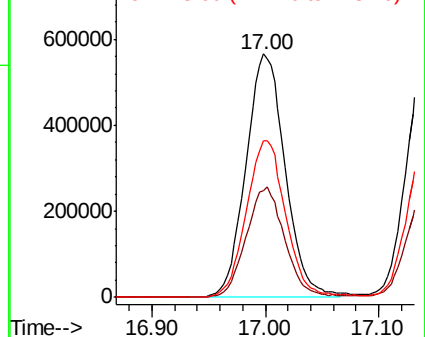
148 64.6 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.666 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.02 min

Lab File: VL038769.D

Acq: 28 Mar 2022 13:28

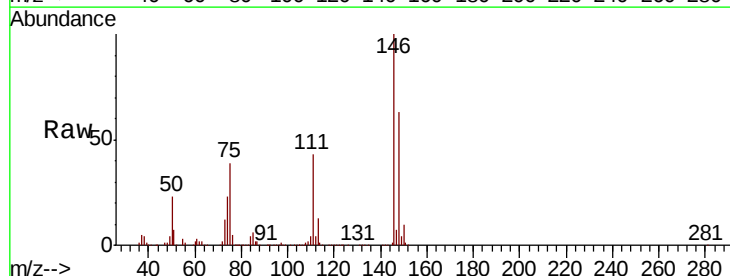
Tgt Ion:146 Resp: 1339754

Ion Ratio Lower Upper

146 100

111 43.8 21.4 64.2

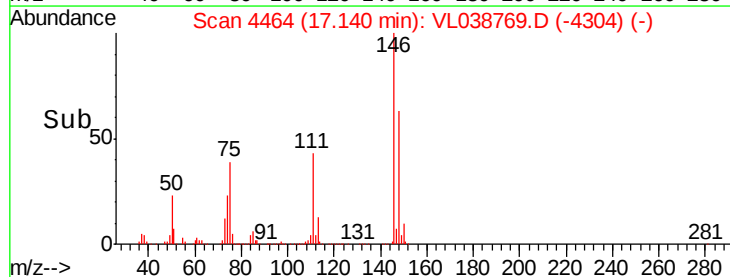
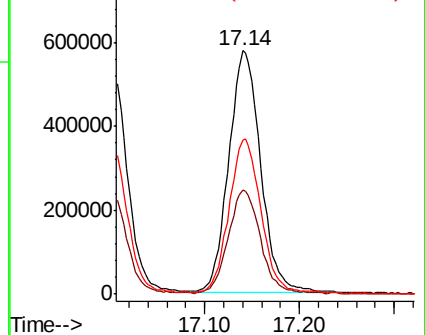
148 65.5 32.1 96.3

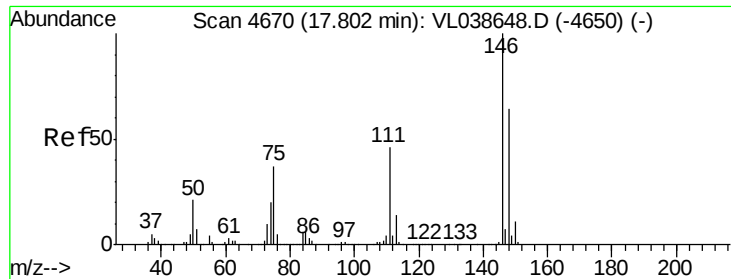


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.548 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Mar 2022 13:28

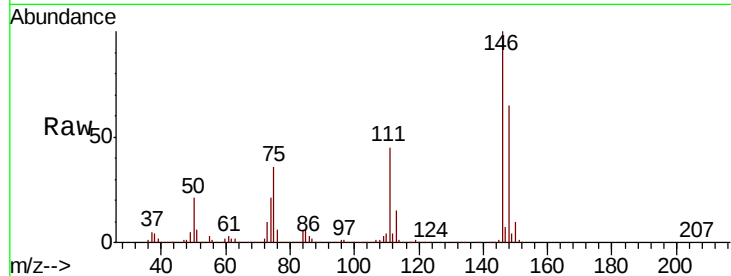
Tot Ion:146 Resp: 1310988

Ion Ratio Lower Upper

146 100

111 46.7 22.8 68.4

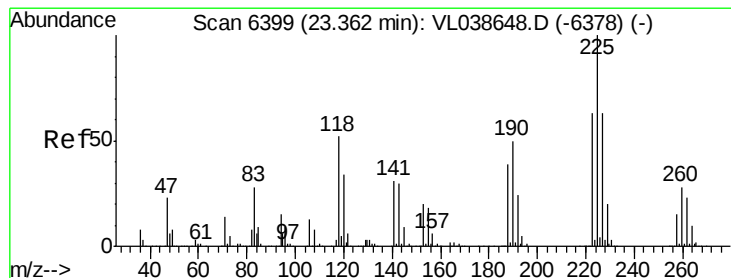
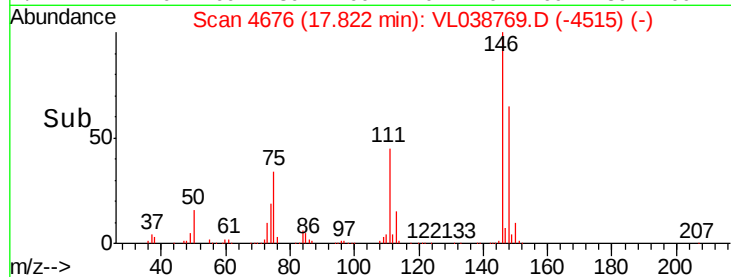
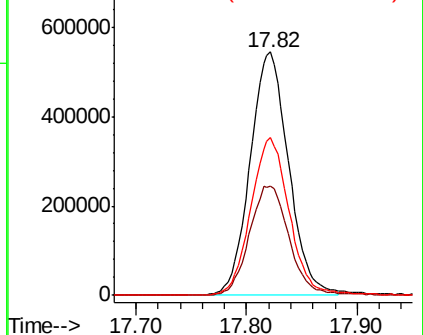
148 65.4 32.5 97.4



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: 5.240 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. 0.02 min

Lab File: VL038769.D

Acq: 28 Mar 2022 13:28

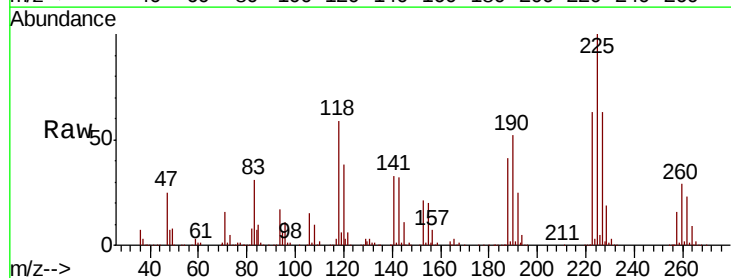
Tgt Ion:225 Resp: 969677

Ion Ratio Lower Upper

225 100

223 63.5 51.0 76.6

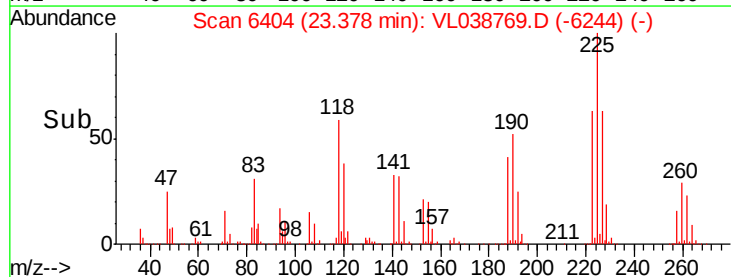
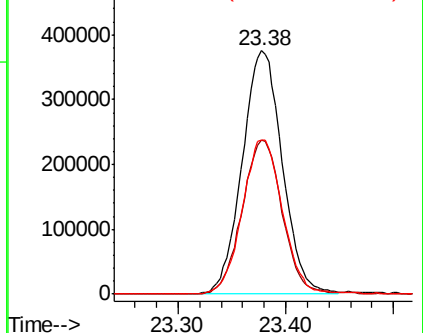
227 64.1 51.5 77.3

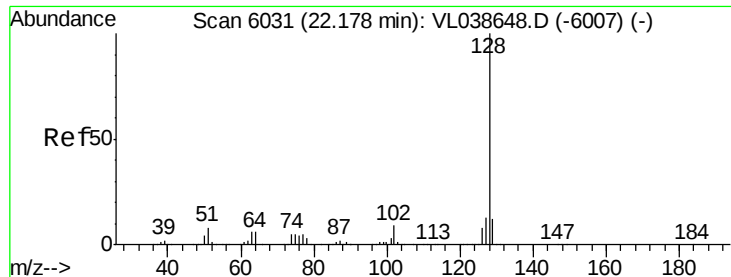


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

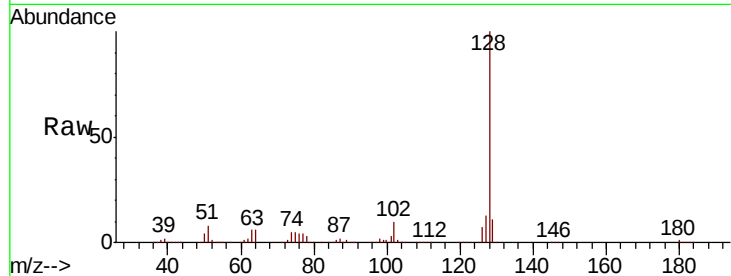
Ion 226.90 (226.60 to 227.60): V



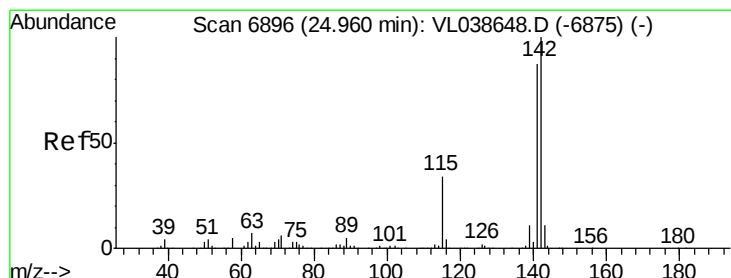
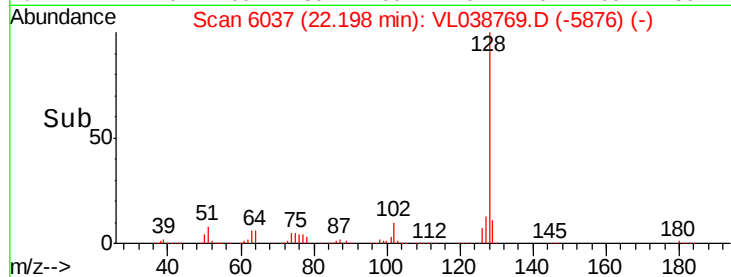
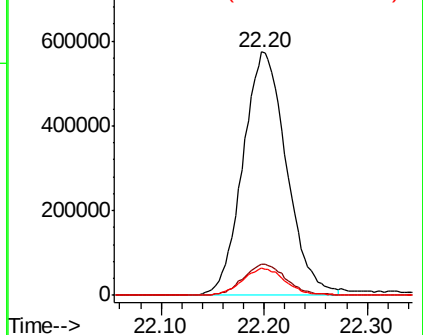


#79
Naphthalene
Concen: 6.956 ppbv
RT: 22.20 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0328ABS01
Acq: 28 Mar 2022 13:28

Tot Ion:128	Resp: 1686266
Ion Ratio	Lower Upper
128 100	
127 12.7	10.2 15.4
129 11.1	9.2 13.8

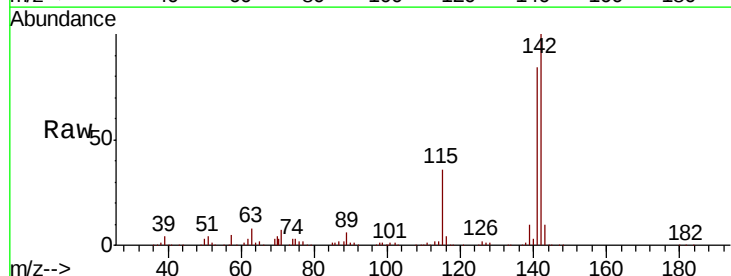


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

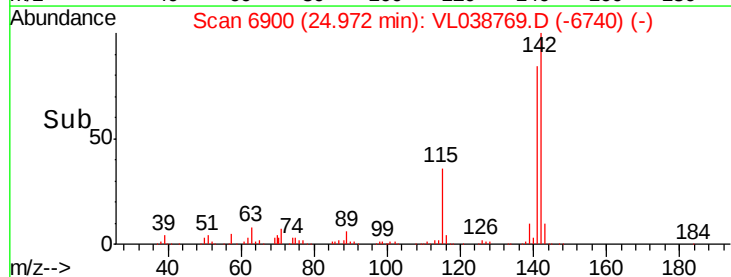
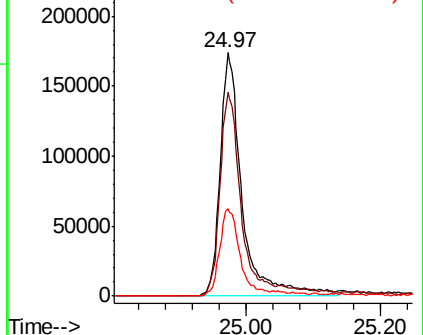


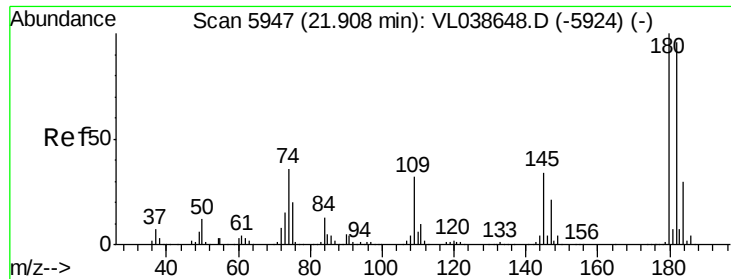
#80
Naphthalene, 2-methyl-
Concen: 6.133 ppbv
RT: 24.97 min Scan# 6900
Delta R.T. 0.01 min
Lab File: VL038769.D
Acq: 28 Mar 2022 13:28

Tgt	Ion:142	Resp:	398701
Ion	Ratio	Lower	Upper
142	100		
141	83.0	66.4	99.6
115	35.9	27.8	41.6



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 5.836 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0328ABS01
 Acq: 28 Mar 2022 15:28

Tot Ion:	180	Resp:	968529
Ion Ratio	Lower	Upper	
180	100		
182	99.5	79.2	118.8
184	32.1	24.8	37.2

