

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL038990.D
 Acq On : 9 May 2022 16:25
 Operator : SY/AP
 Sample : VL0509ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0509ABS01

Quant Time: May 10 05:43:16 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1144453	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2679867	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.06	117	3182700	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2195024	8.71	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2546938	14.203	ppbv	99
3) Chlorodifluoromethane	2.99	51	1456032	10.253	ppbv	98
4) Chloromethane	3.13	50	722444	10.158	ppbv	97
5) Vinyl Chloride	3.25	62	727548	11.203	ppbv	96
6) Bromomethane	3.47	94	351090	11.444	ppbv	93
7) Chloroethane	3.55	64	262277	12.066	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1809885	11.137	ppbv	97
9) Propene	3.01	41	573451	9.247	ppbv	96
10) Heptane	8.10	43	1510559	9.928	ppbv	100
11) Trichlorofluoromethane	3.94	101	1801604	11.710	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1242334	11.722	ppbv	99
13) Ethanol	3.60	45	30315	6.907	ppbv	92
14) Bromoethene	3.73	108	520794	11.916	ppbv	98
15) Acetone	3.84	43	1213070	11.237	ppbv	99
16) 1,3-Butadiene	3.32	39	670350	10.808	ppbv	99
17) tert-Butyl alcohol	4.27	59	884246	10.657	ppbv	98
18) 1,1-Dichloroethene	4.28	96	552314	12.109	ppbv	92
19) Isopropyl Alcohol	3.95	45	537245	10.467	ppbv #	93
20) Methylene Chloride	4.34	84	442947	10.886	ppbv	98
21) Allyl Chloride	4.40	41	877480	11.928	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	580756	11.787	ppbv	97
23) Vinyl Acetate	5.06	43	1006334	11.781	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1141028	11.601	ppbv	99
25) Ethyl Acetate	5.66	43	2709109	10.485	ppbv	99
26) Hexane	5.67	57	1105116	9.626	ppbv	95
27) Carbon Disulfide	4.54	76	1391997	12.764	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1019860	11.676	ppbv	99
29) Chloroform	5.74	83	1974717	10.631	ppbv	99
30) Cyclohexane	7.11	84	922441	9.597	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1245591	10.649	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2021702	10.885	ppbv	99
34) 2-Butanone	5.23	43	1627742	11.906	ppbv	99
35) Carbon Tetrachloride	7.00	117	2108771	11.943	ppbv	99
36) Benzene	6.87	78	2249576	9.809	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1686117	11.883	ppbv	97
38) Trichloroethene	7.82	130	1027192	10.075	ppbv	97
39) 1,2-Dichloropropane	7.59	63	905222	10.144	ppbv	92
40) 1,4-Dioxane	7.81	88	288286	8.995	ppbv #	1
41) Tetrahydrofuran	6.03	42	947885	10.316	ppbv	99
42) Bromodichloromethane	7.77	83	2212608	11.406	ppbv	98
43) Methyl Methacrylate	8.00	69	986541	10.596	ppbv	98

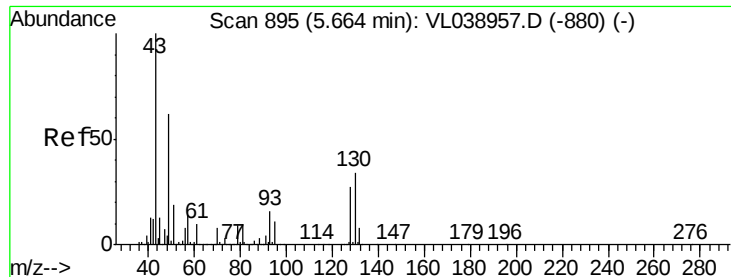
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4014396	9.976	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1155209	12.818	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1377596	11.527	ppbv	99
47) 1,1,2-Trichloroethane	9.45	97	950342	10.240	ppbv	99
48) Dibromochloromethane	10.28	129	1752143	11.599	ppbv	99
49) Bromoform	13.01	173	1468514	12.747	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2563493	10.693	ppbv	100
51) 2-Hexanone	10.11	43	2038758	11.652	ppbv #	98
52) Tetrachloroethene	11.20	164	812226	9.911	ppbv	98
53) Toluene	9.78	91	2646614	10.296	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1392359	11.020	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1204872	8.628	ppbv	100
57) Chlorobenzene	12.12	112	1939807	8.131	ppbv	99
58) Ethyl Benzene	12.69	91	3702628	8.084	ppbv	99
59) m/p-Xylene	12.97	91	3736181	9.555	ppbv #	57
60) o-Xylene	13.67	91	3124858	8.491	ppbv	96
61) Styrene	13.50	104	1748819	8.901	ppbv	98
62) Isopropylbenzene	14.64	105	4422547	8.218	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1752458	8.087	ppbv	100
64) n-propylbenzene	15.54	120	1113748	8.560	ppbv	98
65) tert-Butylbenzene	16.72	119	3865216	8.197	ppbv	97
66) Benzyl Chloride	16.96	91	698588	11.333	ppbv	98
67) sec-Butylbenzene	17.27	105	5527376	8.205	ppbv	100
69) p-Isopropyltoluene	17.63	119	4563463	8.385	ppbv	99
70) n-Butylbenzene	18.52	91	4928036	8.523	ppbv	100
71) 2-Chlorotoluene	15.43	91	3488362	8.408	ppbv	98
72) 4-Ethyltoluene	15.81	105	3542880	8.448	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	3294379	8.726	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	3538811	8.561	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	1922110	8.486	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1881150	8.443	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	1902954	8.495	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1549756	7.528	ppbv	99
79) Naphthalene	22.16	128	3103565	9.243	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	886424	8.726	ppbv	98
81) 1,2,4-Trichlorobenzene	21.90	180	1674660	8.511	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0509ABS01

Acq: 9 May 2022 16:25

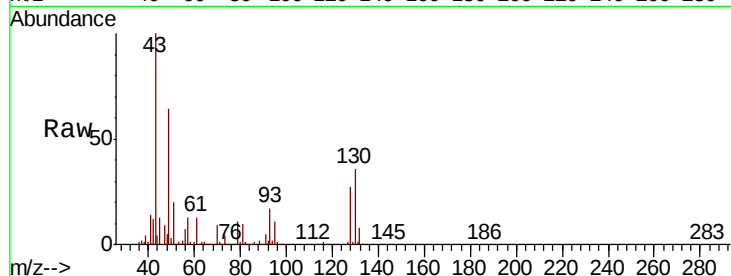
Tot Ion: 49 Resp: 1144453

Ion	Ratio	Lower	Upper
49	100		
128	45.8	23.3	69.8
130	59.1	29.8	89.3

49 100

128 45.8 23.3 69.8

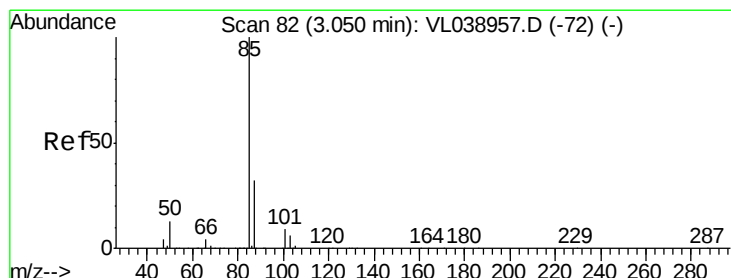
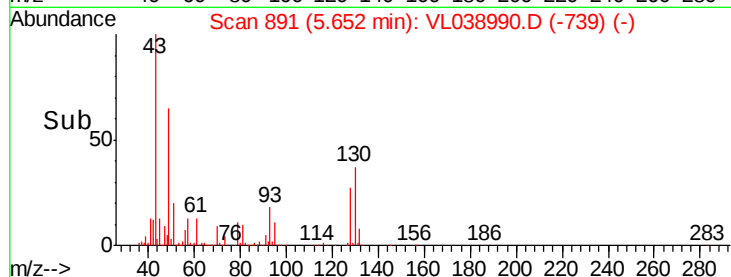
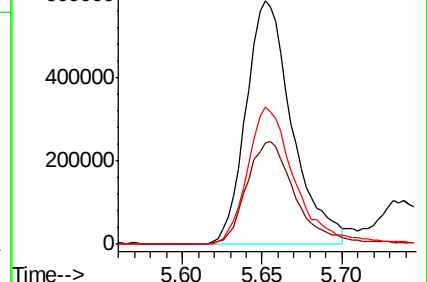
130 59.1 29.8 89.3



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: 14.203 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL038990.D

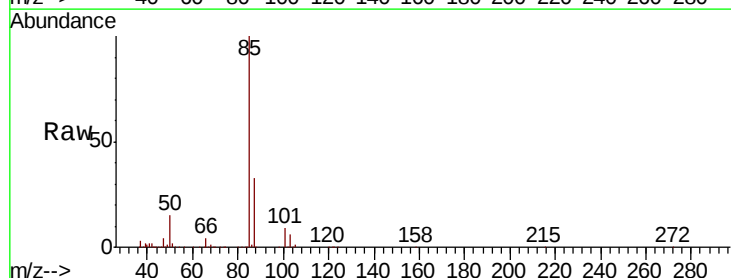
Acq: 9 May 2022 16:25

Tgt Ion: 85 Resp: 2546938

Ion	Ratio	Lower	Upper
85	100		
87	32.6	25.7	38.5

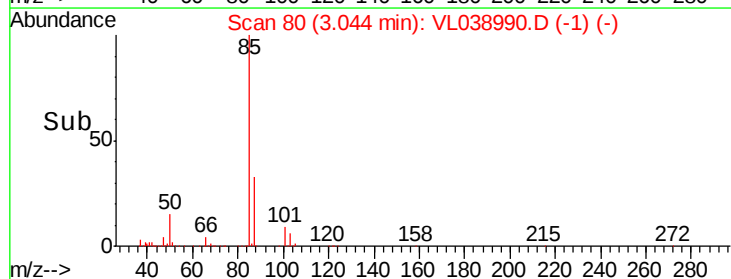
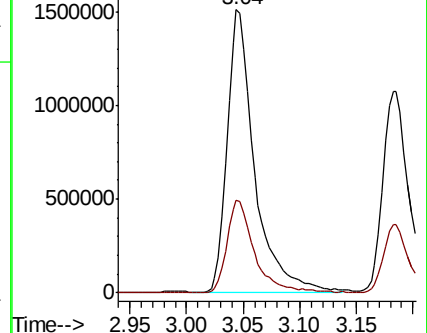
85 100

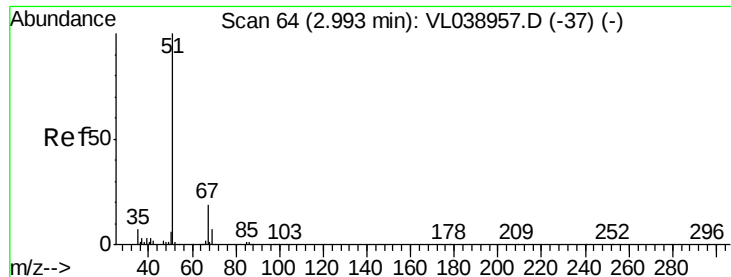
87 32.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.253 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0509ABS01

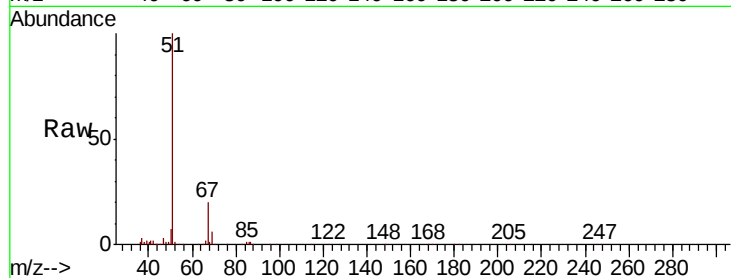
Acq: 9 May 2022 16:25

Tot Ion: 51 Resp: 1456032

Ion Ratio Lower Upper

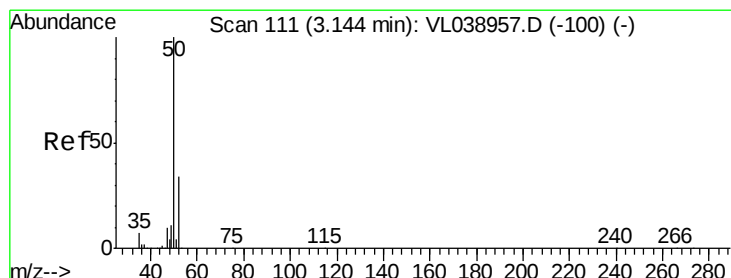
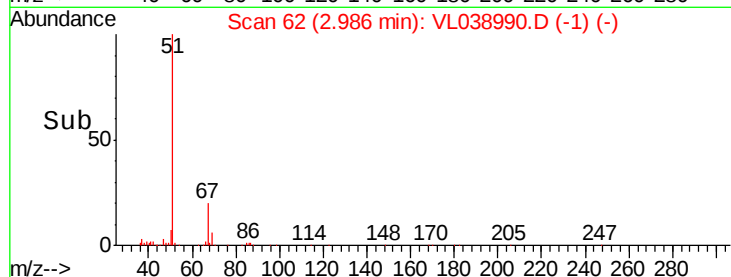
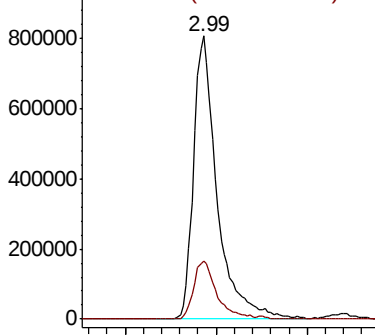
51 100

67 20.8 15.8 23.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.158 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL038990.D

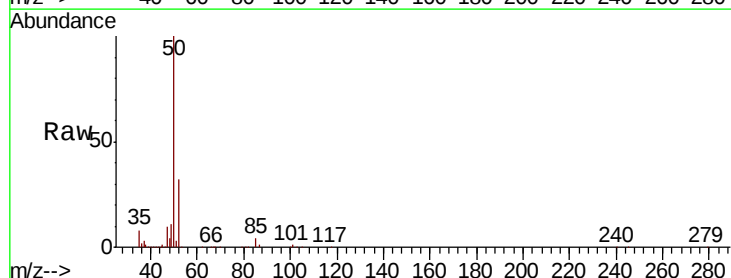
Acq: 9 May 2022 16:25

Tgt Ion: 50 Resp: 722444

Ion Ratio Lower Upper

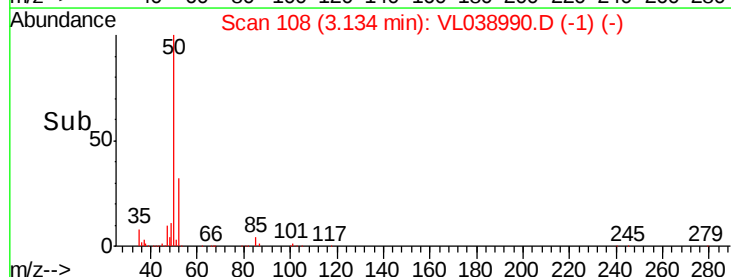
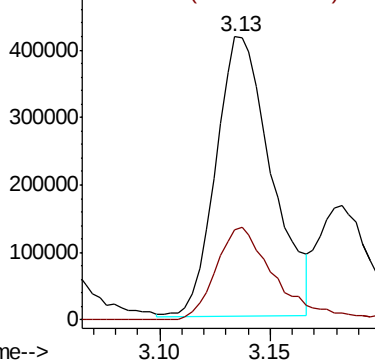
50 100

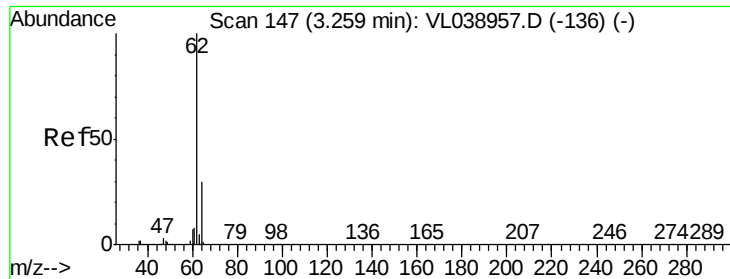
52 32.2 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.203 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0509ABS01

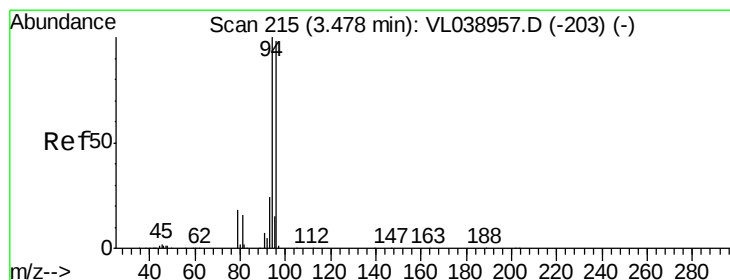
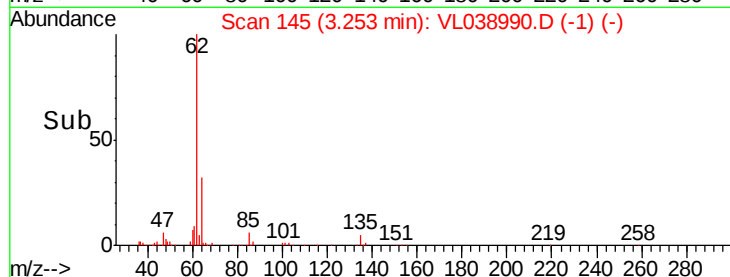
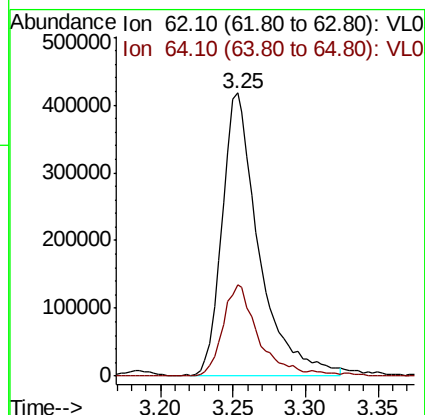
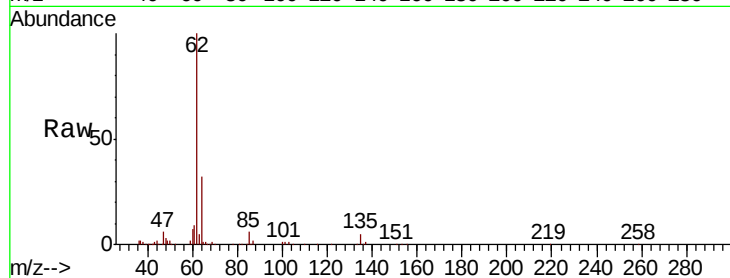
Acq: 9 May 2022 16:25

Tot Ion: 62 Resp: 727548

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.4



#6

Bromomethane

Concen: 11.444 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL038990.D

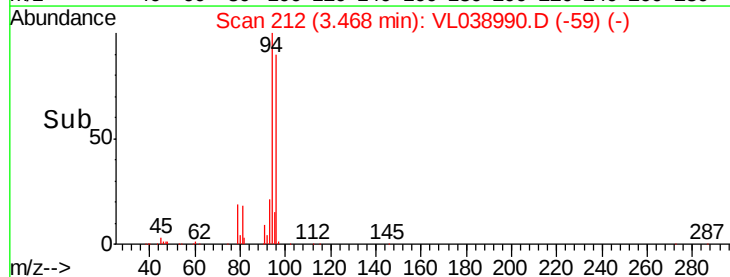
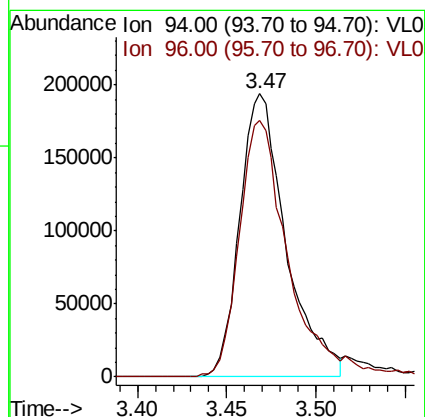
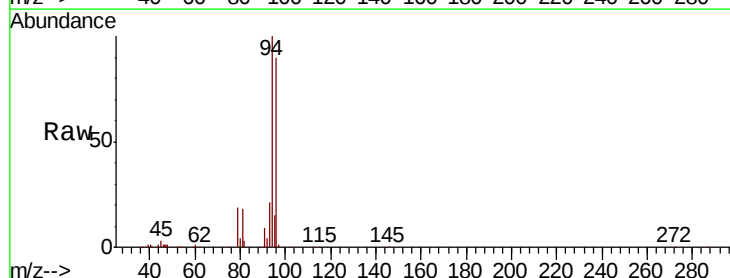
Acq: 9 May 2022 16:25

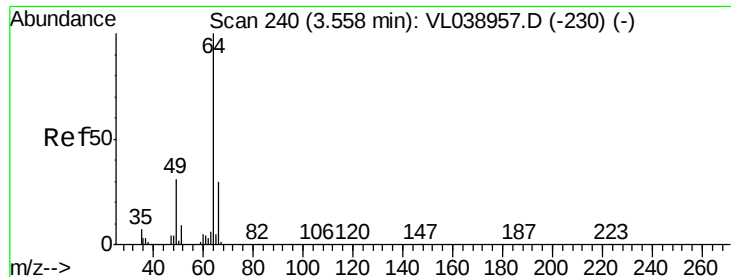
Tgt Ion: 94 Resp: 351090

Ion Ratio Lower Upper

94 100

96 90.5 78.1 117.1





#7

Chloroethane

Concen: 12.066 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0509ABS01

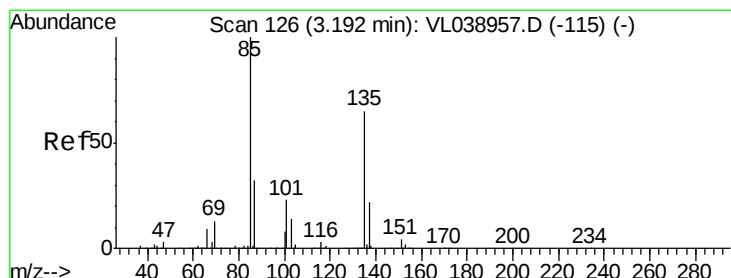
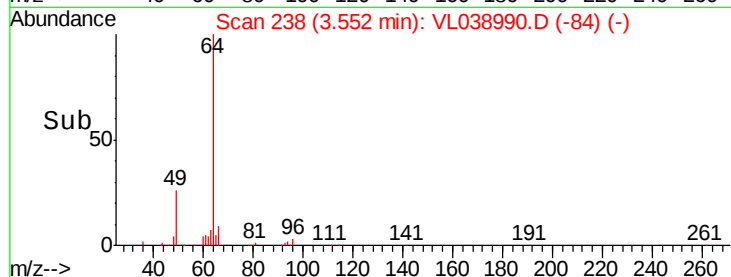
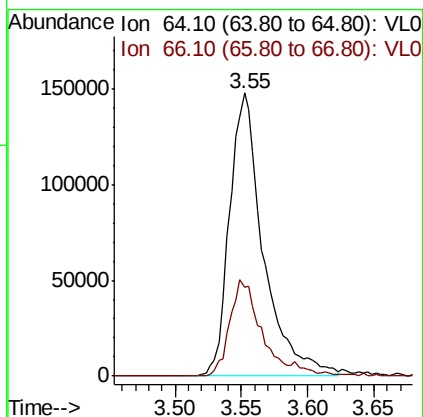
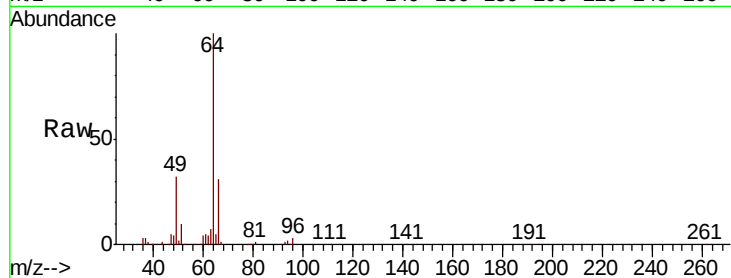
Acq: 9 May 2022 16:25

Tot Ion: 64 Resp: 262277

Ion Ratio Lower Upper

64 100

66 31.2 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 11.137 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.01 min

Lab File: VL038990.D

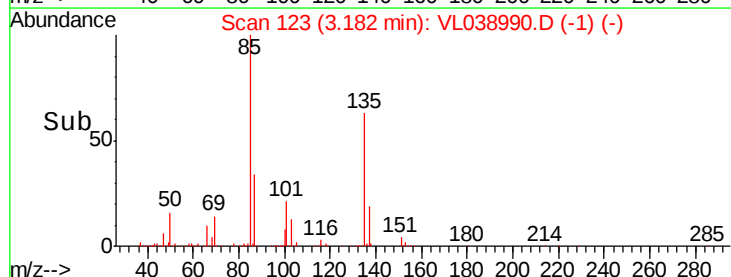
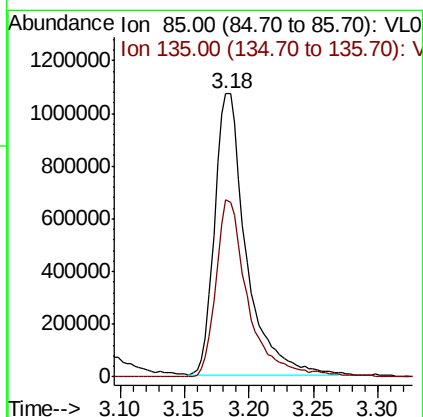
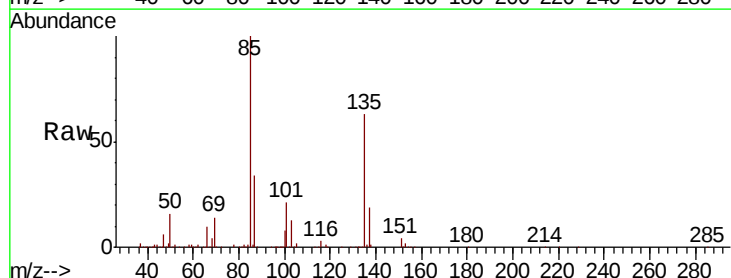
Acq: 9 May 2022 16:25

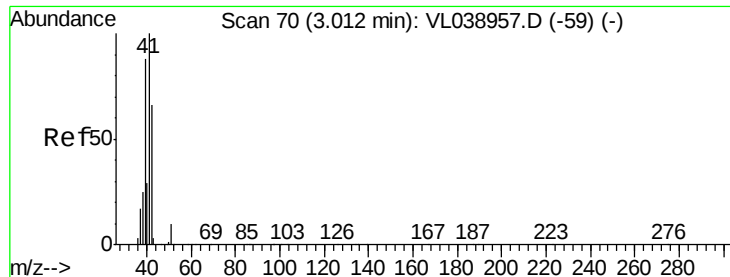
Tgt Ion: 85 Resp: 1809885

Ion Ratio Lower Upper

85 100

135 65.0 53.6 80.4





#9

Propene

Concen: 9.247 ppbv

RT: 3.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

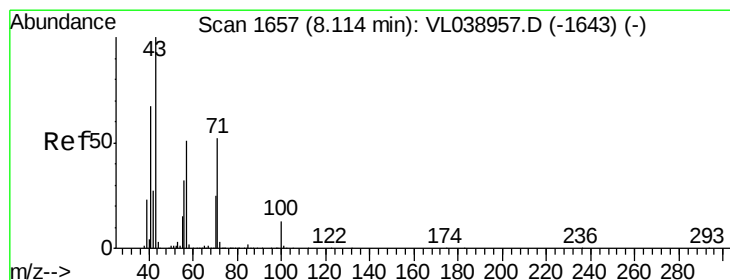
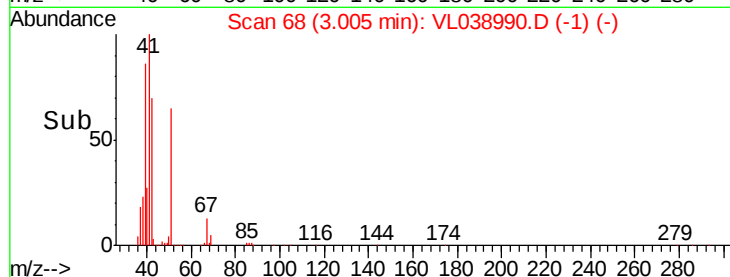
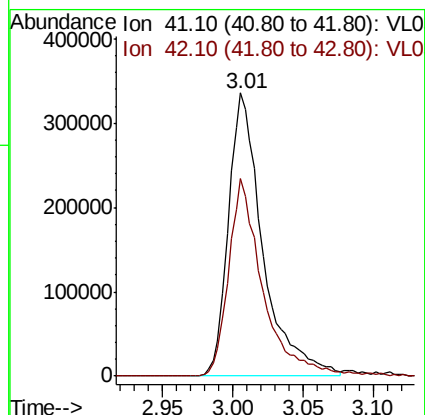
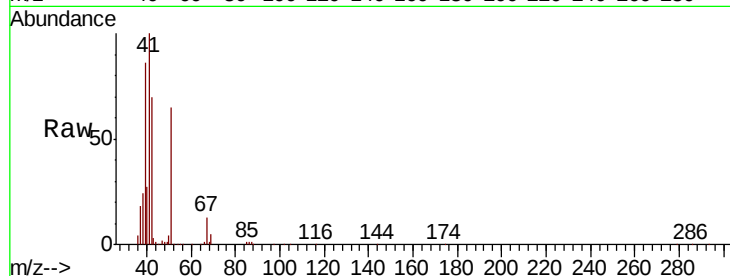
Acq: 9 May 2022 16:25

Tot Ion: 41 Resp: 573451

Ion Ratio Lower Upper

41 100

42 69.9 58.3 87.5



#10

Heptane

Concen: 9.928 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.01 min

Lab File: VL038990.D

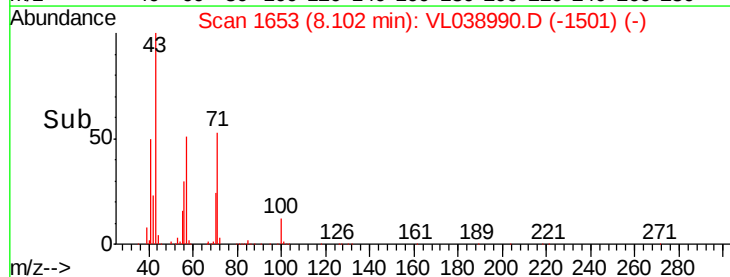
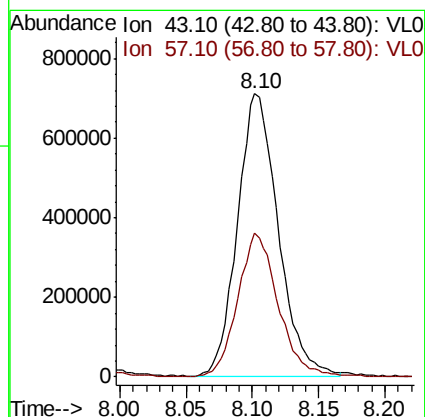
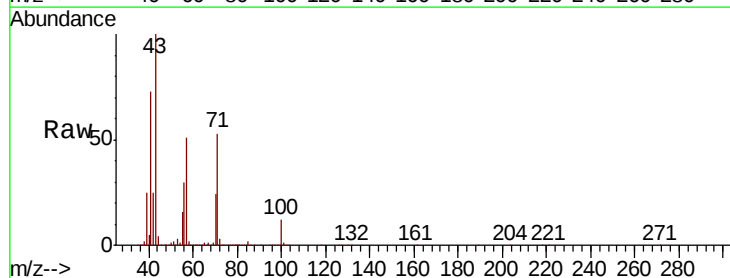
Acq: 9 May 2022 16:25

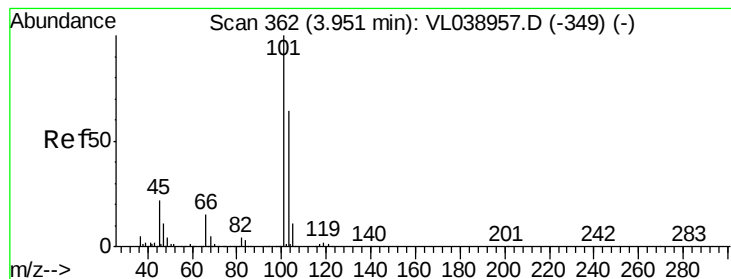
Tgt Ion: 43 Resp: 1510559

Ion Ratio Lower Upper

43 100

57 50.8 40.5 60.7





#11

Trichlorofluoromethane

Concen: 11.710 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

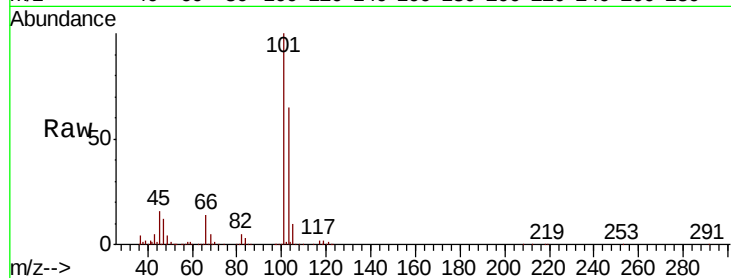
Acq: 9 May 2022 16:25 VL0509ABS01

Tot Ion:101 Resp: 1801604

Ion Ratio Lower Upper

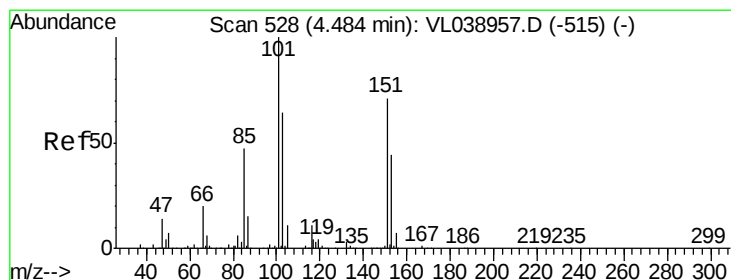
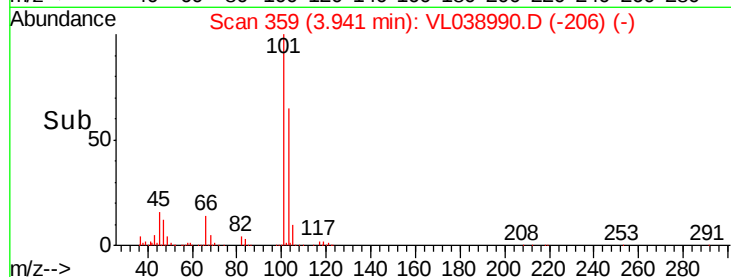
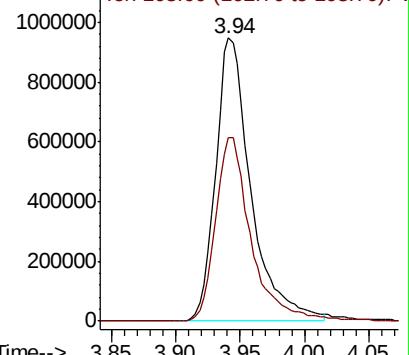
101 100

103 64.9 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.722 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.01 min

Lab File: VL038990.D

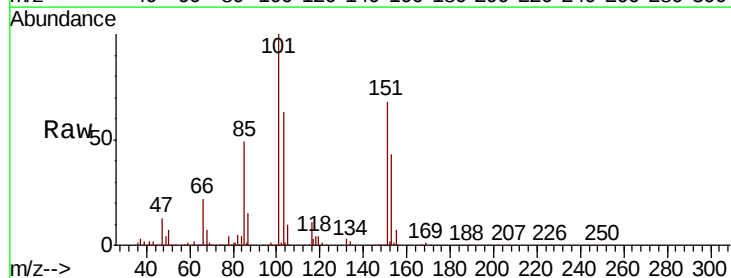
Acq: 9 May 2022 16:25

Tgt Ion:101 Resp: 1242334

Ion Ratio Lower Upper

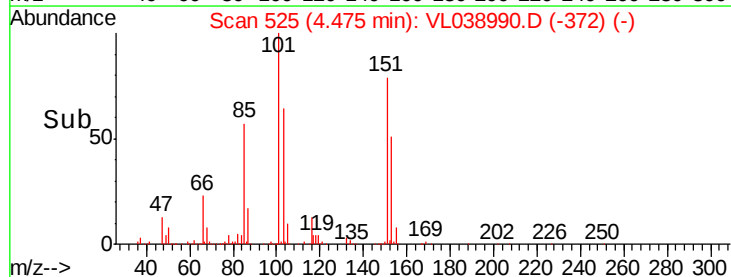
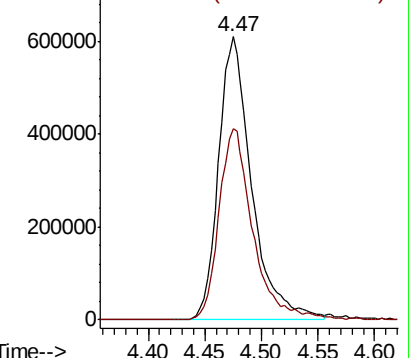
101 100

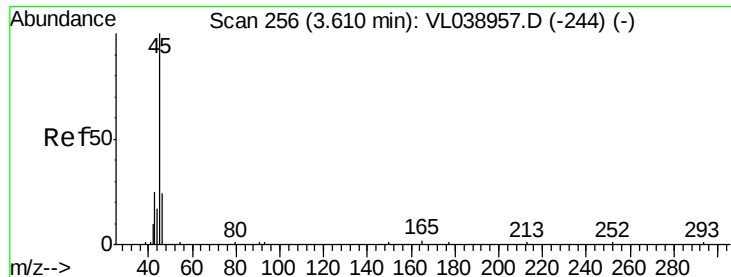
151 69.8 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

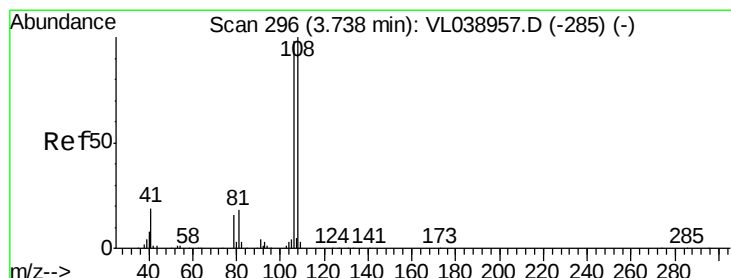
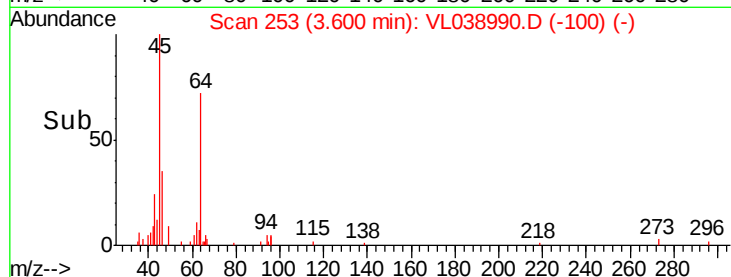
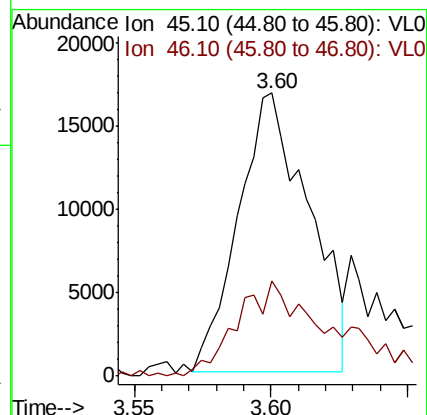
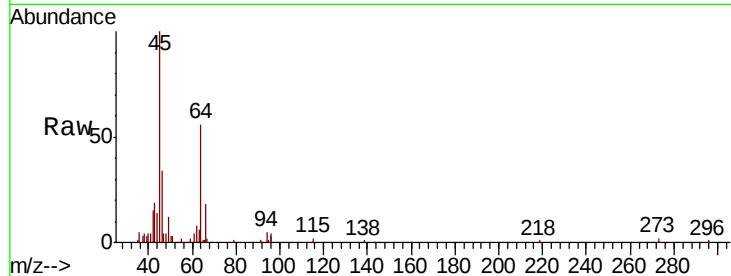
Ion 151.00 (150.70 to 151.70): V





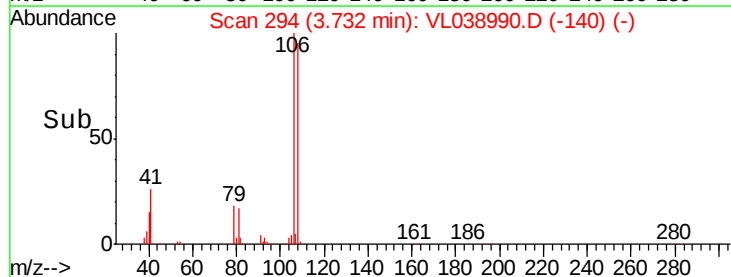
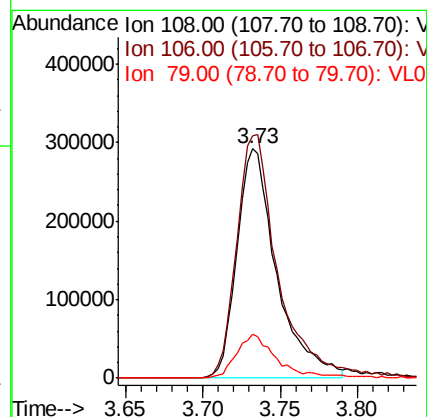
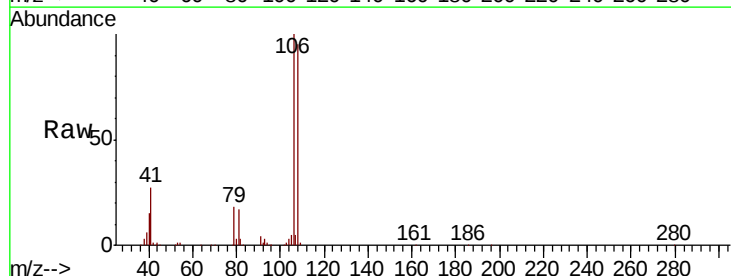
#13
 Ethanol
 Concen: 6.907 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0509ABS01
 Acq: 9 May 2022 16:25

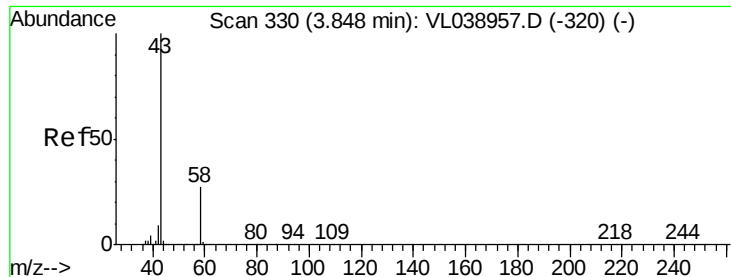
Tot Ion: 45 Resp: 30315
 Ion Ratio Lower Upper
 45 100
 46 50.2 18.0 72.2



#14
 Bromoethene
 Concen: 11.916 ppbv
 RT: 3.73 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

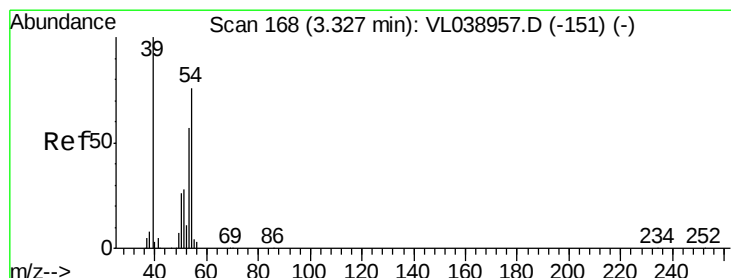
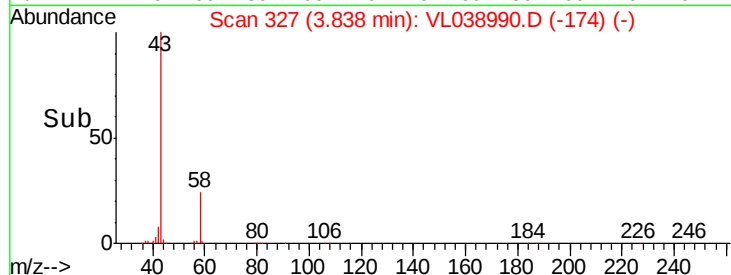
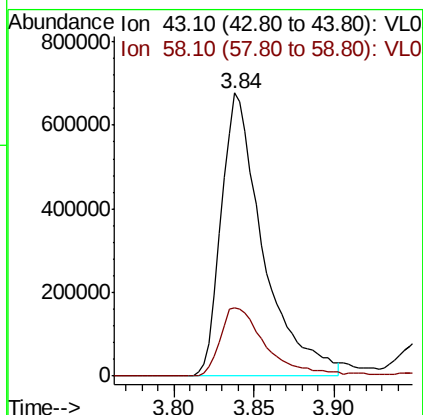
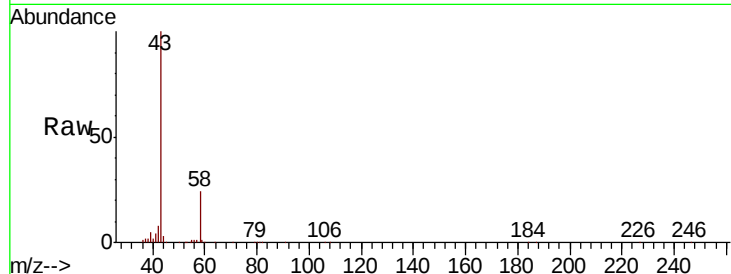
Tgt Ion: 108 Resp: 520794
 Ion Ratio Lower Upper
 108 100
 106 111.5 90.3 135.5
 79 20.1 14.9 22.3





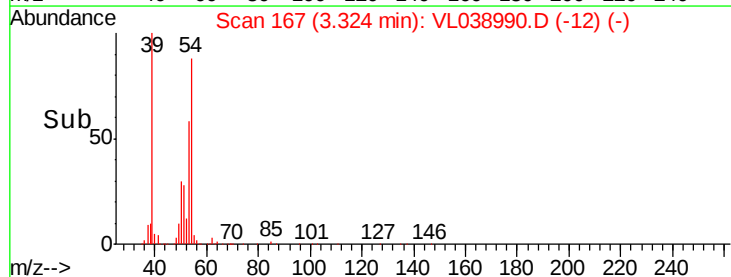
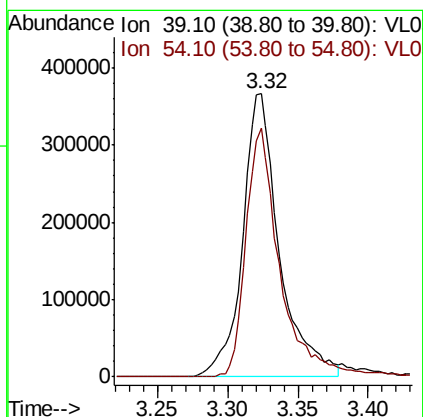
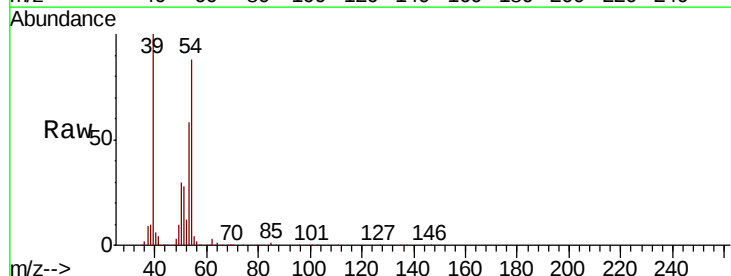
#15
Acetone
Concen: 11.237 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 May 2022 16:25

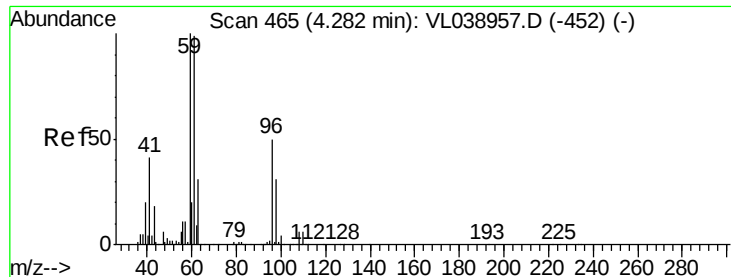
Tot Ion: 43 Resp: 1213070
Ion Ratio Lower Upper
43 100
58 27.1 21.3 31.9



#16
1,3-Butadiene
Concen: 10.808 ppbv
RT: 3.32 min Scan# 167
Delta R.T. -0.00 min
Lab File: VL038990.D
Acq: 9 May 2022 16:25

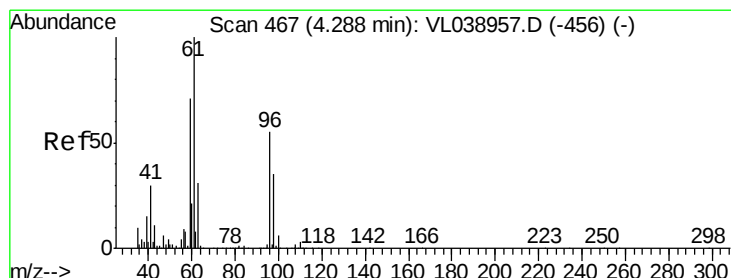
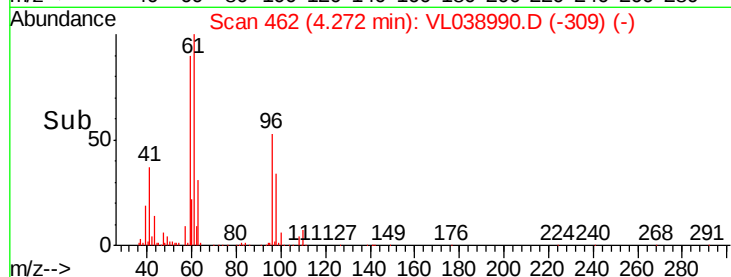
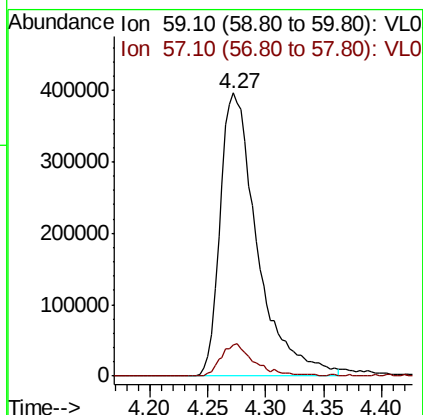
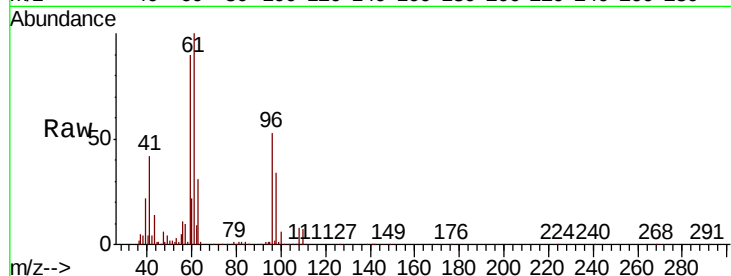
Tgt Ion: 39 Resp: 670350
Ion Ratio Lower Upper
39 100
54 82.4 65.2 97.8





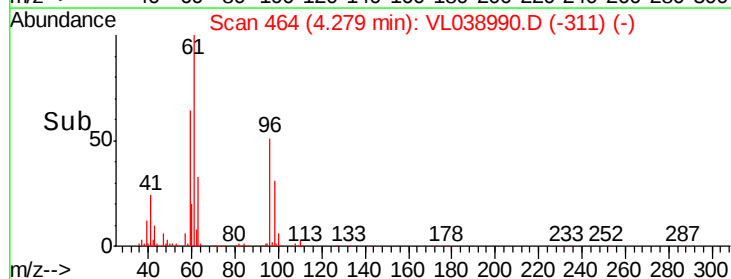
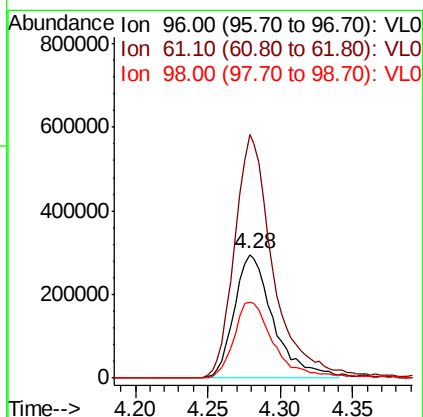
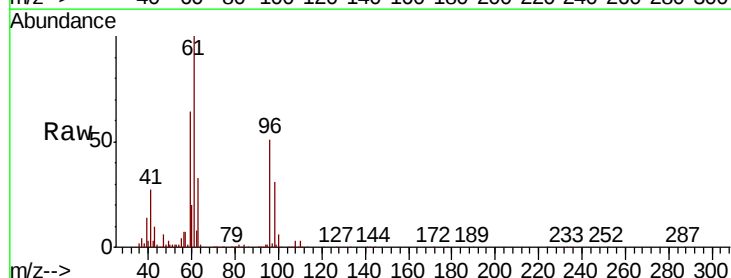
#17
 tert-Butyl alcohol
 Concen: 10.657 ppbv
 RT: 4.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0509ABS01
 Acq: 9 May 2022 16:25

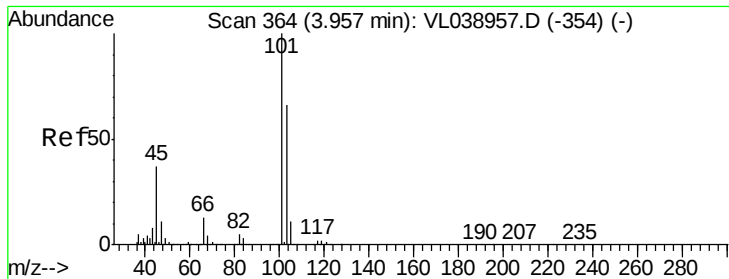
Tot Ion: 59 Resp: 884246
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.2 13.8



#18
 1,1-Dichloroethene
 Concen: 12.109 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

Tgt Ion: 96 Resp: 552314
 Ion Ratio Lower Upper
 96 100
 61 197.4 146.3 219.5
 98 61.5 50.6 75.8





#19

Isopropyl Alcohol

Concen: 10.467 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0509ABS01

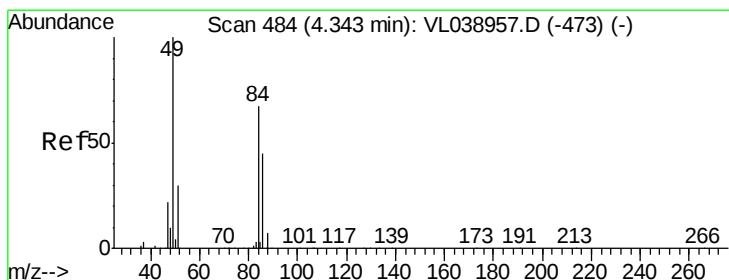
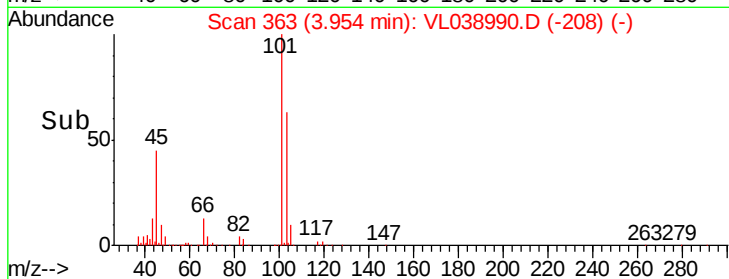
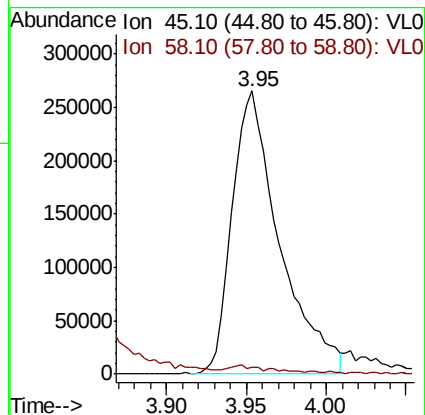
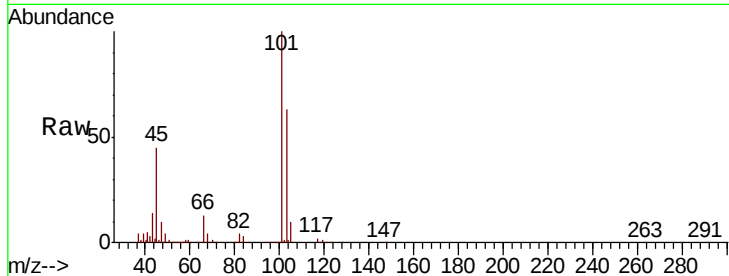
Acq: 9 May 2022 16:25

Tot Ion: 45 Resp: 537245

Ion Ratio Lower Upper

45 100

58 4.2 1.4 2.2#



#20

Methylene Chloride

Concen: 10.886 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL038990.D

Acq: 9 May 2022 16:25

Tgt Ion: 84 Resp: 442947

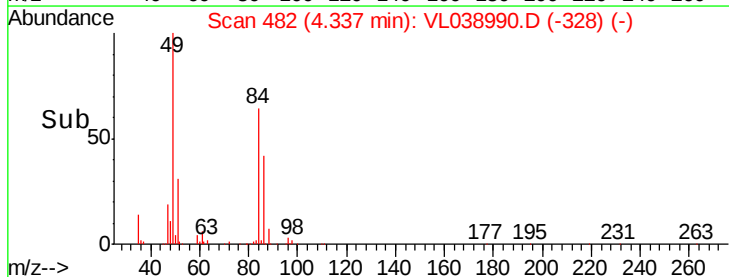
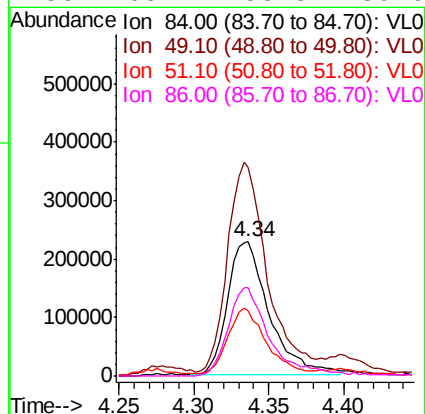
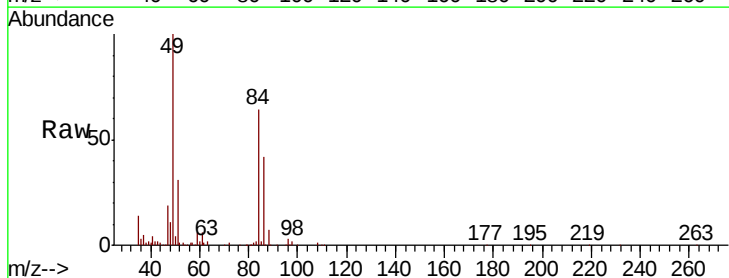
Ion Ratio Lower Upper

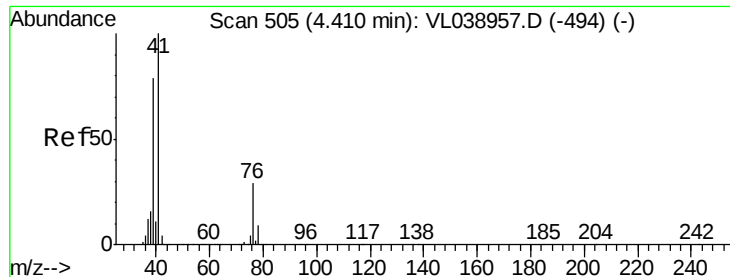
84 100

49 151.9 119.9 179.9

51 47.3 35.7 53.5

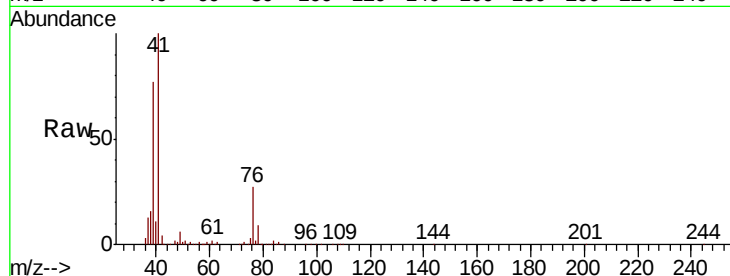
86 65.7 53.8 80.6



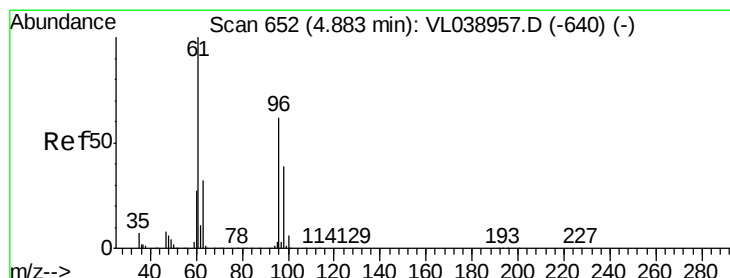
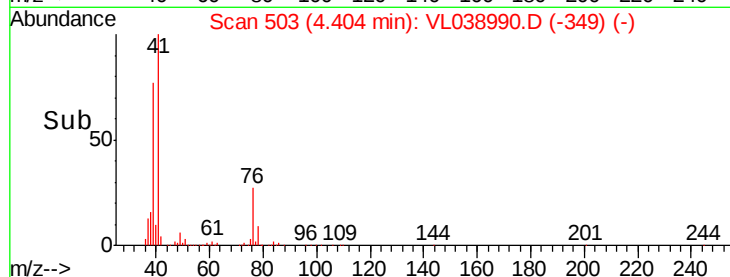
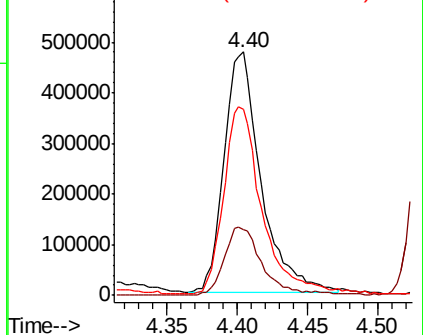


#21
 Allvl Chloride
 Concen: 11.928 ppbv
 RT: 4.40
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 9 May 2022 16:25

Tot Ion	Ratio	Lower	Upper
41	100		
76	29.4	24.2	36.4
39	80.8	63.8	95.8

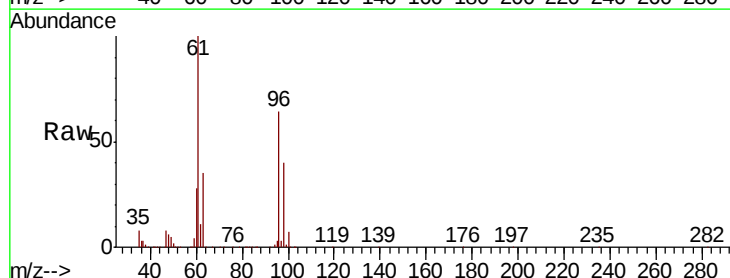


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

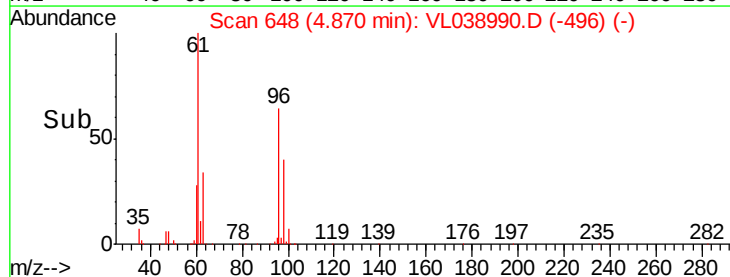
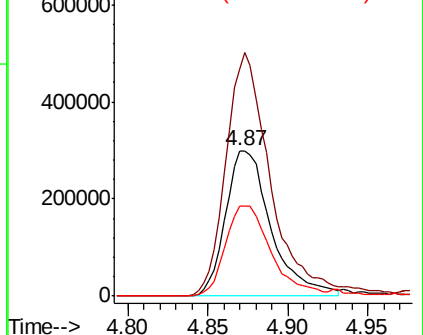


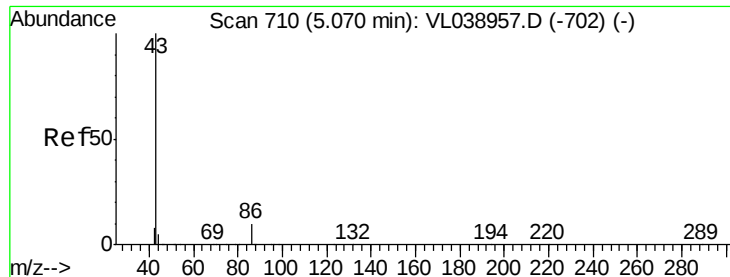
#22
 trans-1,2-Dichloroethene
 Concen: 11.787 ppbv
 RT: 4.87 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.8	128.2	192.2
98	62.0	50.1	75.1



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

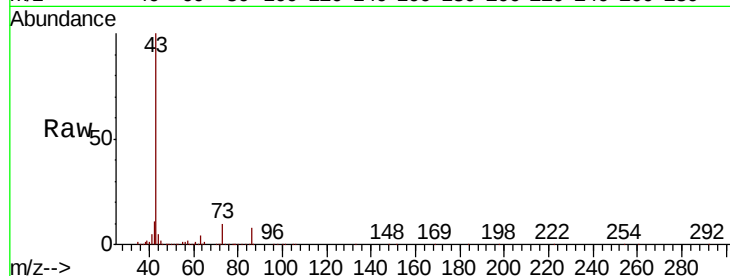




#23
 Vinyl Acetate
 Concen: 11.781 ppbv
 RT: 5.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0509ABS01
 Acq: 9 May 2022 16:25

Tot Ion: 43 Resp: 1006334

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.6	9.8
42	11.4	8.1	12.1
44	5.1	3.5	5.3



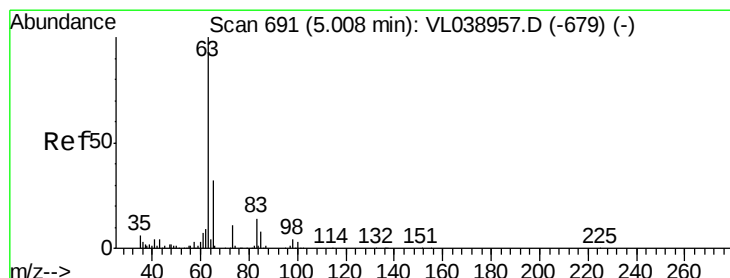
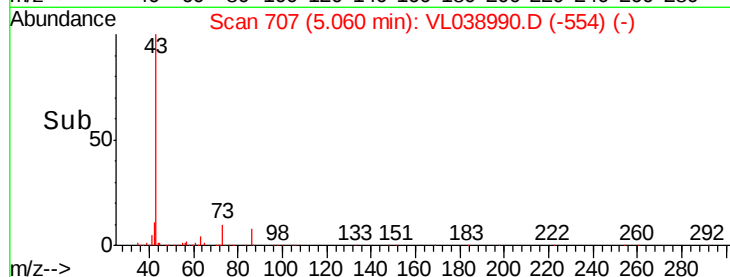
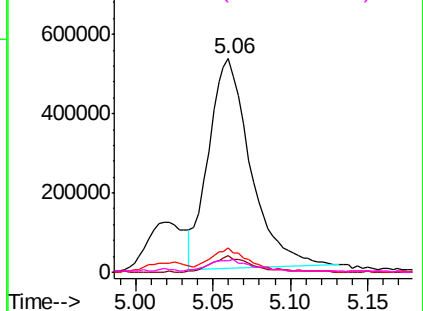
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

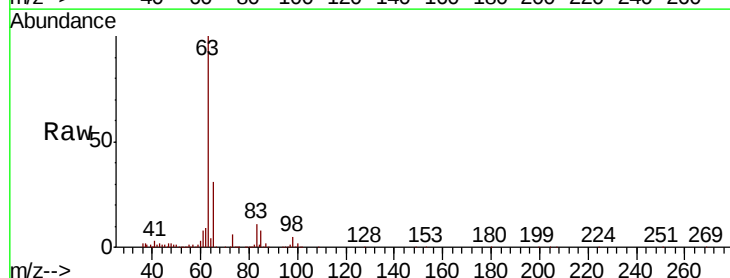
Ion 44.10 (43.80 to 44.80): VL0



#24
 1,1-Dichloroethane
 Concen: 11.601 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

Tgt Ion: 63 Resp: 1141028

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.2
100	2.5	1.4	4.2

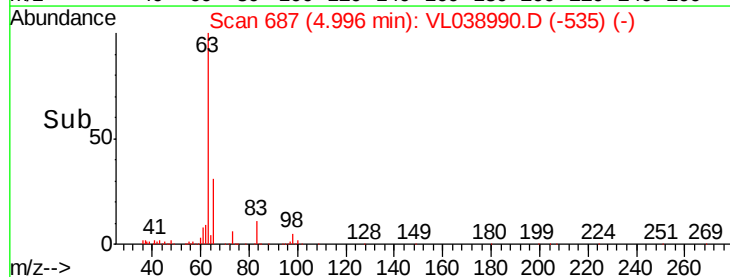
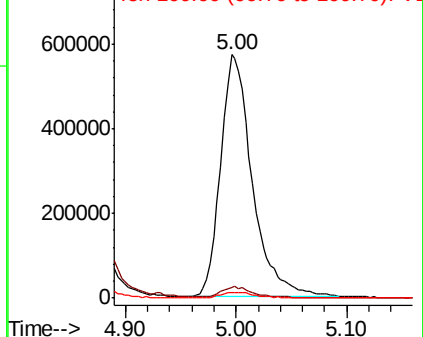


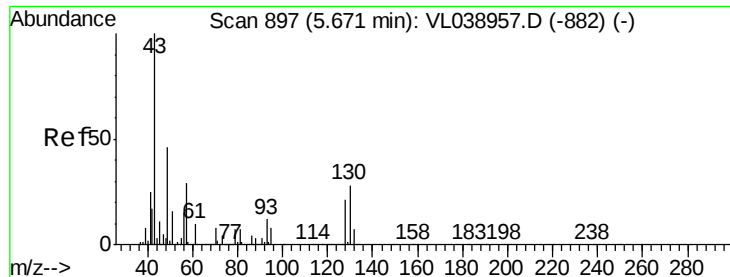
Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

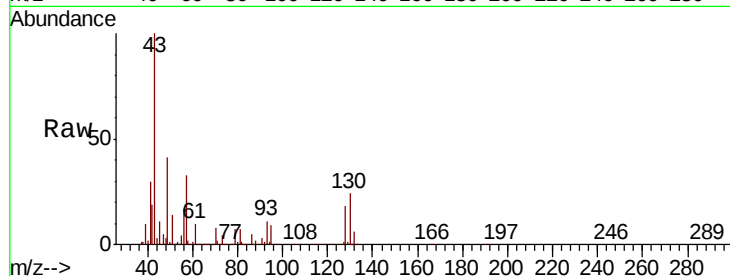




#25
Ethyl Acetate
Concen: 10.485 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0509ABS01
Acq: 9 May 2022 16:25

Tot Ion: 43 Resp: 2709109

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	10.0	7.8	11.6
70	6.6	5.6	8.4



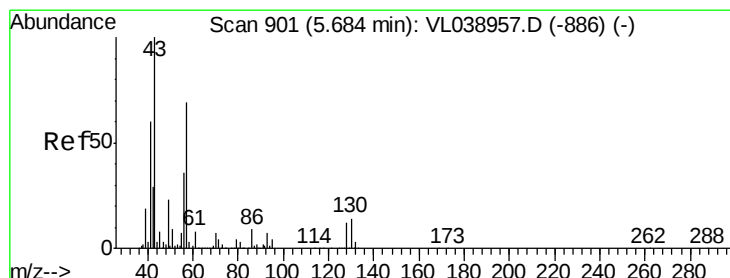
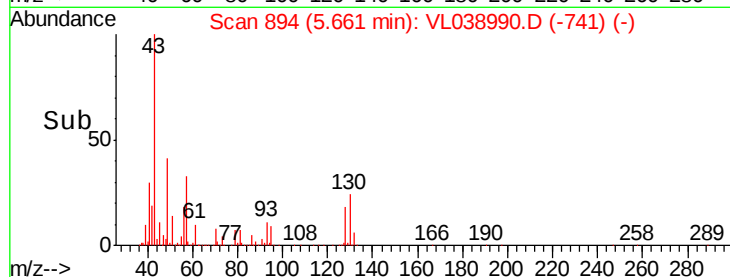
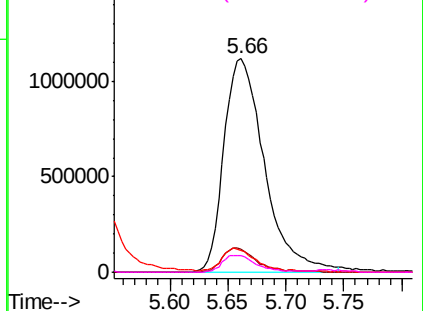
Abundance

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

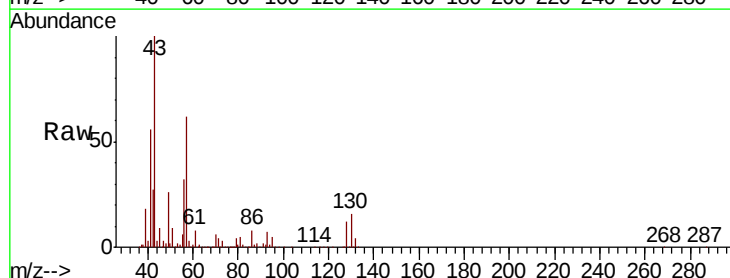
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.626 ppbv
RT: 5.67 min Scan# 897
Delta R.T.: -0.01 min
Lab File: VL038990.D
Acq: 9 May 2022 16:25

Tgt Ion: 57 Resp: 1105116

Ion	Ratio	Lower	Upper
57	100		
41	98.7	75.2	112.8
43	249.1	190.8	286.2
56	55.6	43.0	64.6



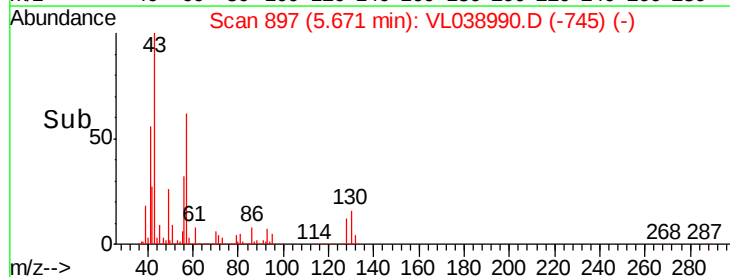
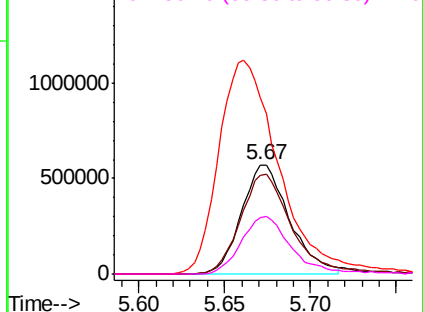
Abundance

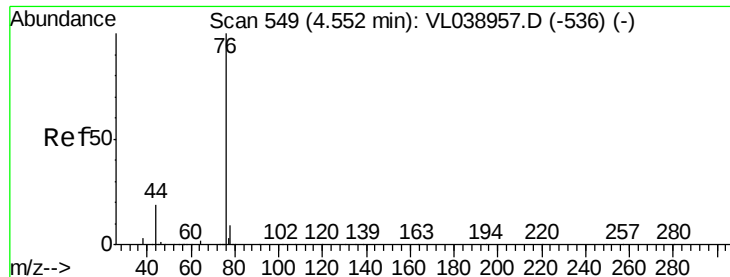
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 12.764 ppbv

RT: 4.54 Instrument: MSVOA_1

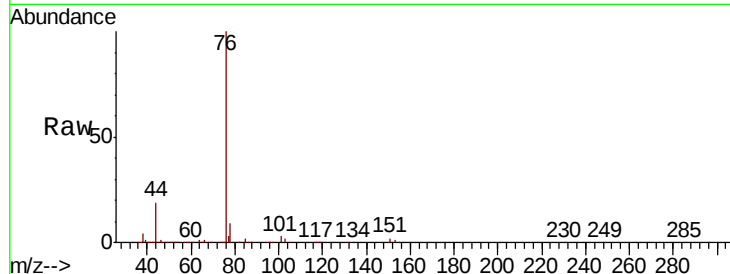
Delta R.T.

Lab File: ClientSampleId:

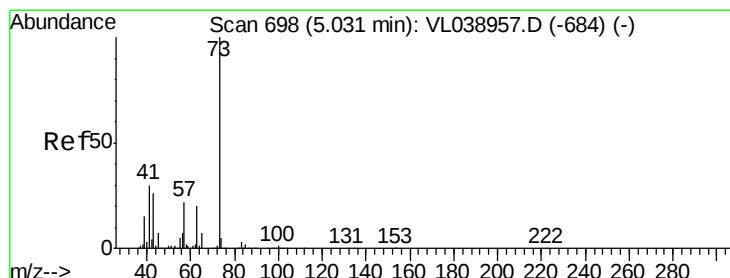
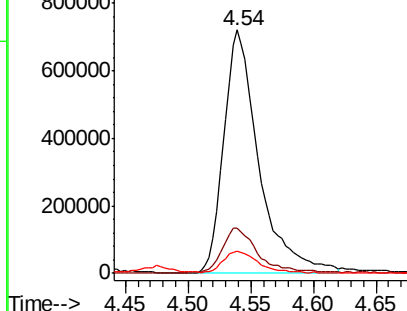
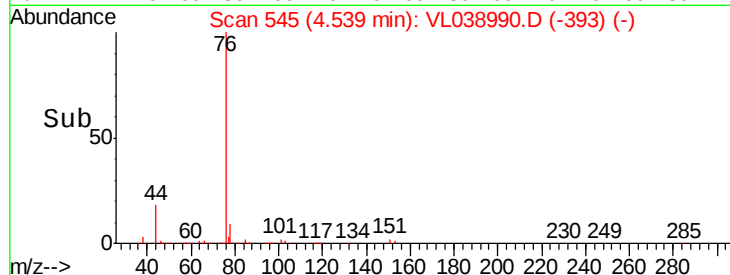
Acq: 9 May 2022 16:25

Tot Ion: 76 Resp: 1391997

Ion	Ratio	Lower	Upper
76	100		
44	19.1	15.3	22.9
78	9.3	8.2	12.2



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.676 ppbv

RT: 5.02 min Scan# 694

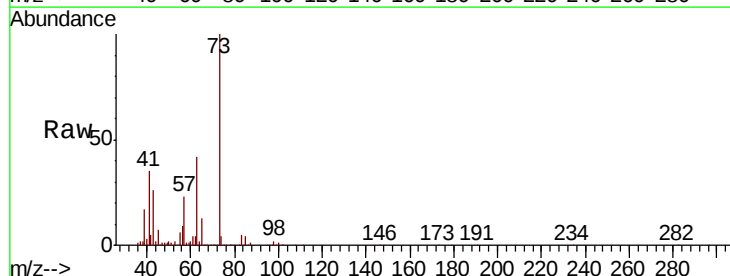
Delta R.T. -0.01 min

Lab File: VL038990.D

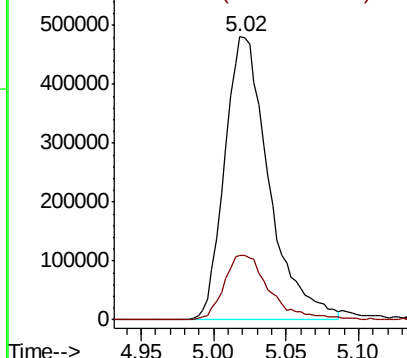
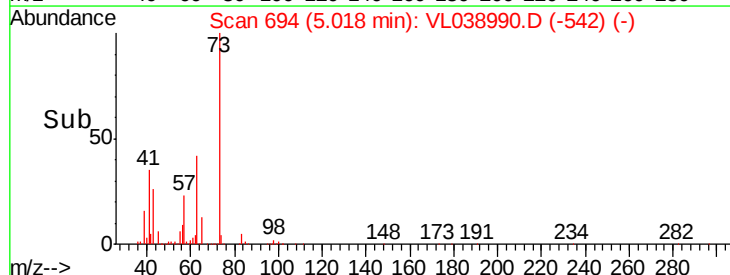
Acq: 9 May 2022 16:25

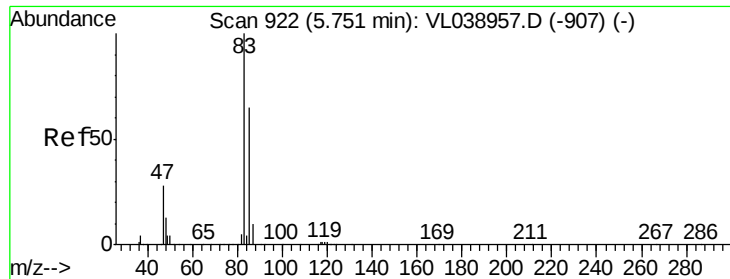
Tgt Ion: 73 Resp: 1019860

Ion	Ratio	Lower	Upper
73	100		
57	24.0	18.8	28.2



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 10.631 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

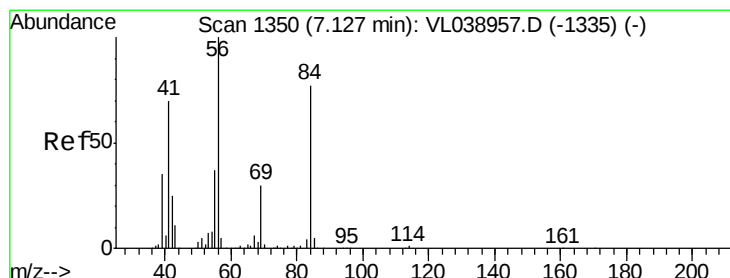
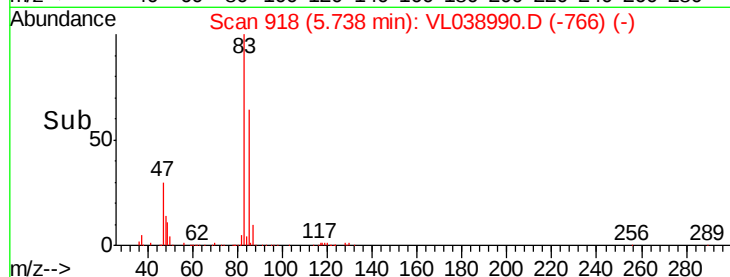
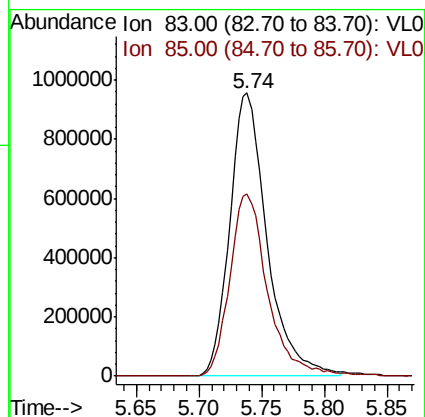
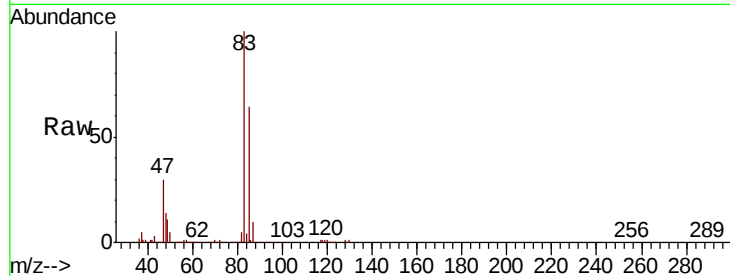
Acq: 9 May 2022 16:25 VL0509ABS01

Tot Ion: 83 Resp: 1974717

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.6



#30

Cyclohexane

Concen: 9.597 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. -0.01 min

Lab File: VL038990.D

Acq: 9 May 2022 16:25

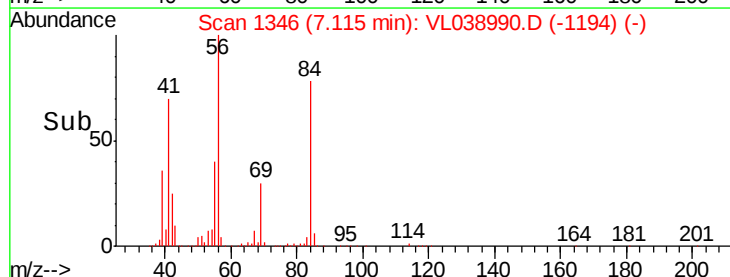
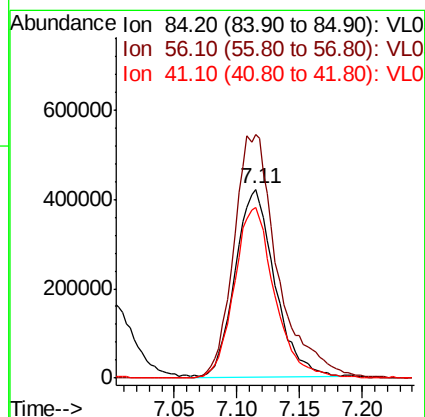
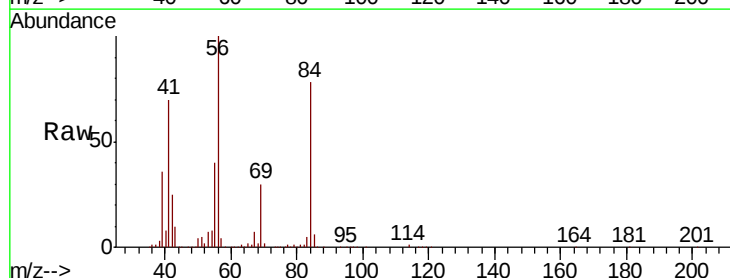
Tgt Ion: 84 Resp: 922441

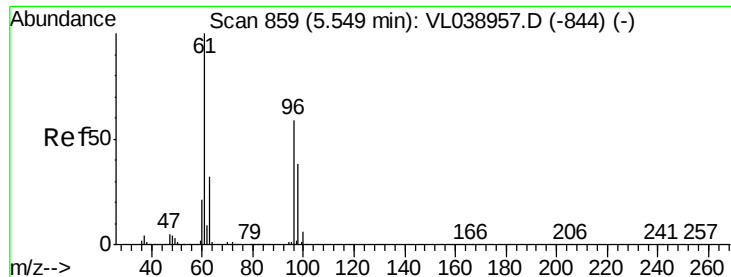
Ion Ratio Lower Upper

84 100

56 144.3 115.3 172.9

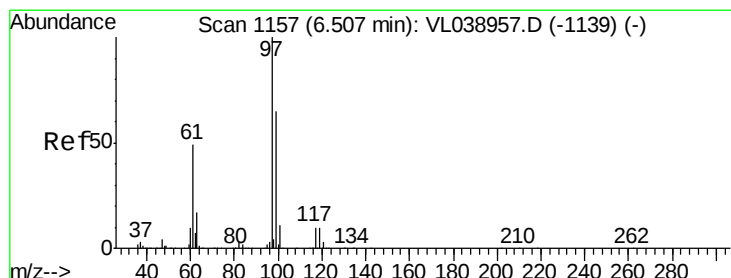
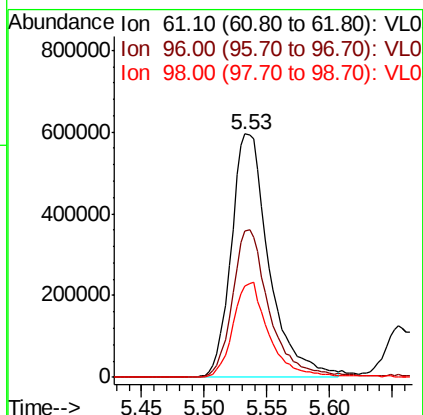
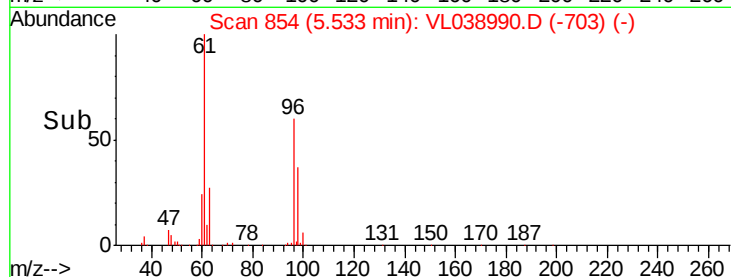
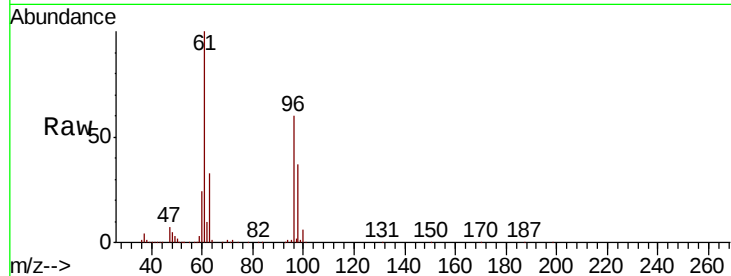
41 93.1 72.0 108.0





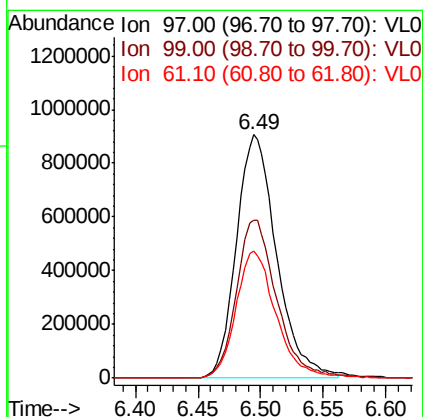
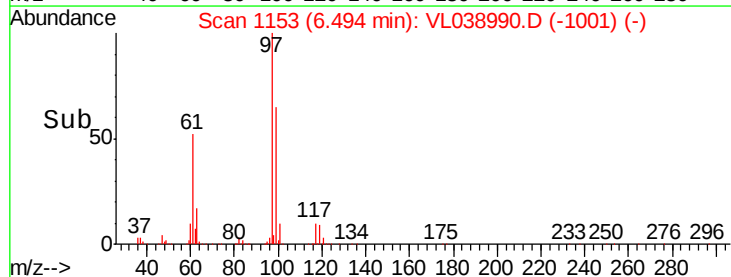
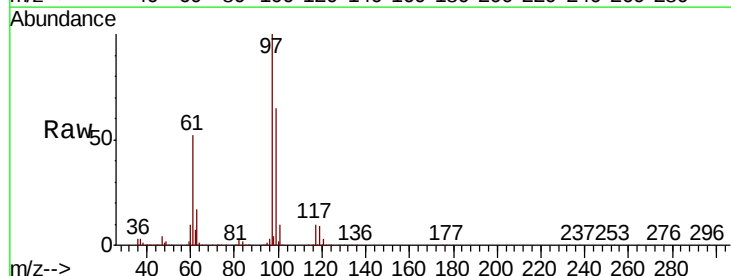
#31
 cis-1,2-Dichloroethene
 Concen: 10.649 ppbv
 RT: 5.53
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0509ABS01
 Acq: 9 May 2022 16:25

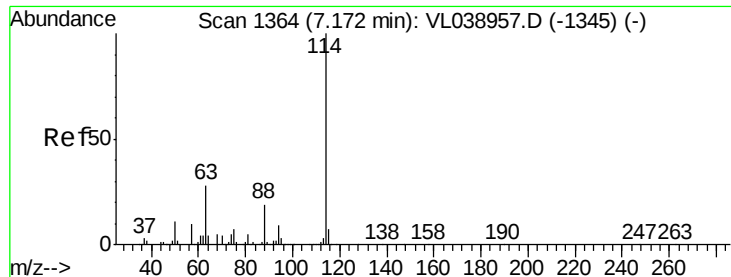
Tot Ion: 61 Resp: 1245591
 Ion Ratio Lower Upper
 61 100
 96 59.9 47.4 71.0
 98 37.4 30.6 45.8



#32
 1,1,1-Trichloroethane
 Concen: 10.885 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

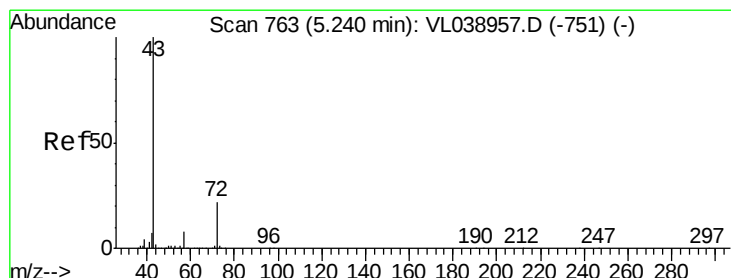
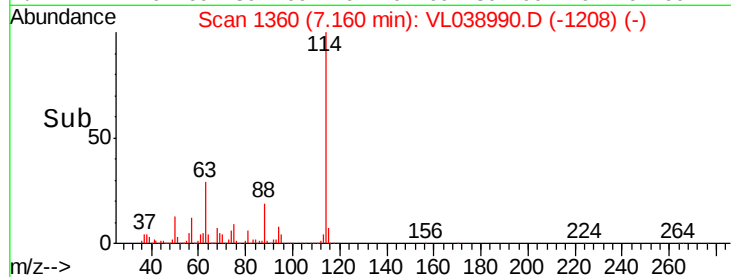
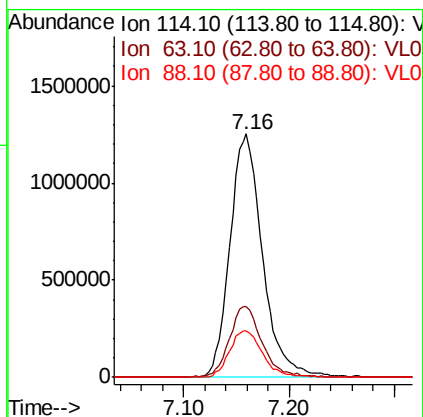
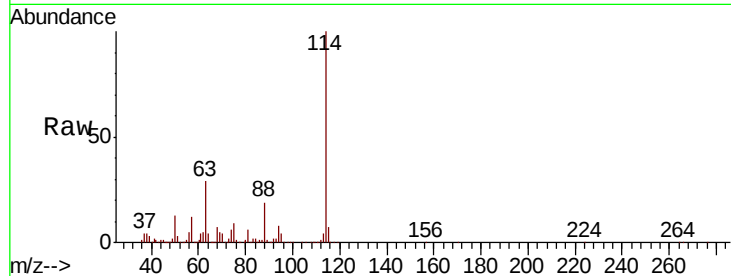
Tgt Ion: 97 Resp: 2021702
 Ion Ratio Lower Upper
 97 100
 99 65.5 51.9 77.9
 61 52.6 40.9 61.3





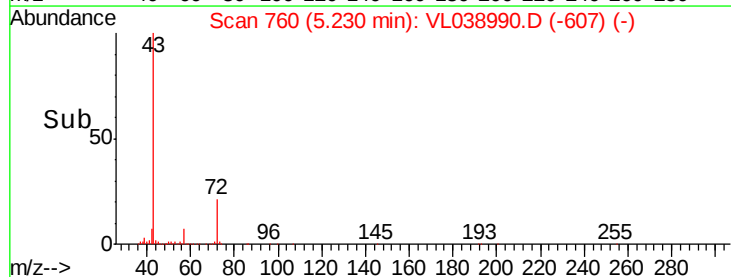
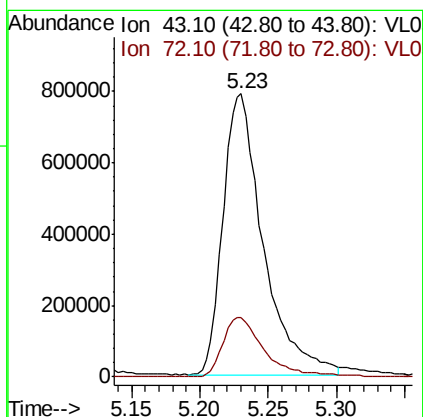
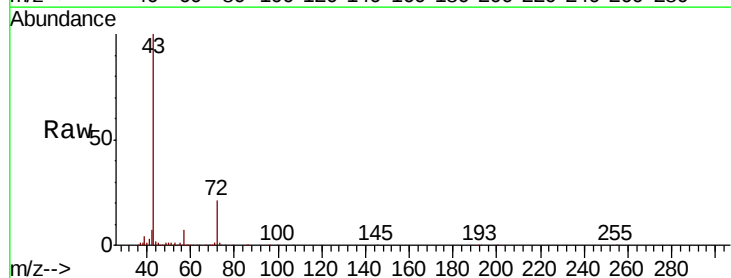
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample Id:
 Lab File: VL0509ABS01
 Acq: 9 May 2022 16:25

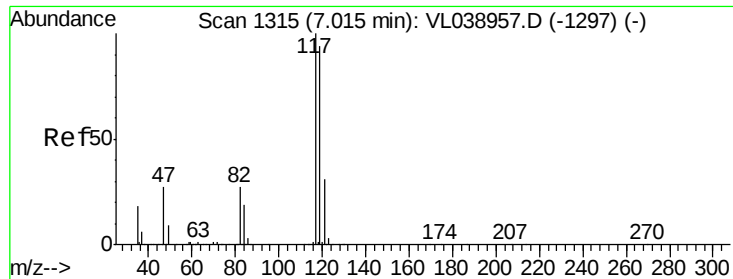
Tot Ion	114	Resp: 2679867	
Ion	Ratio	Lower	Upper
114	100		
63	29.7	22.6	33.8
88	19.8	15.4	23.0



#34
 2-Butanone
 Concen: 11.906 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T.: -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

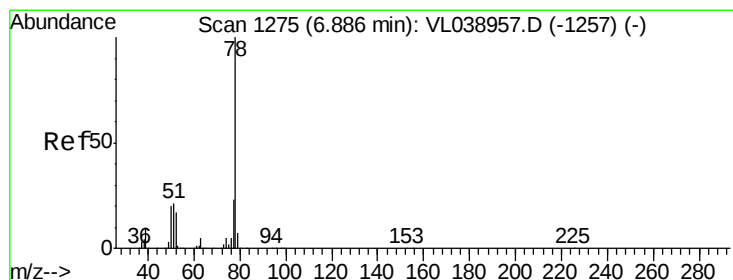
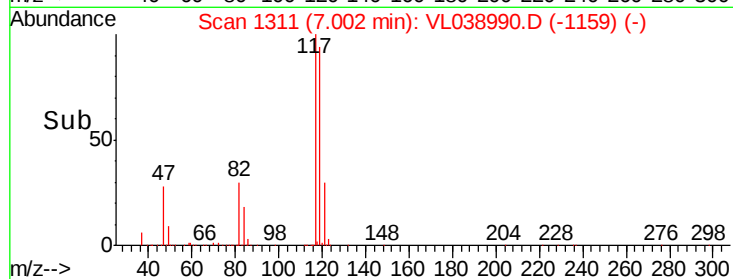
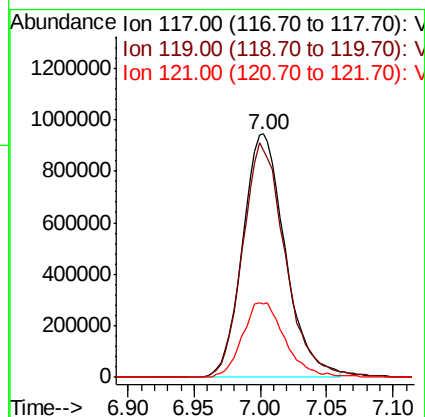
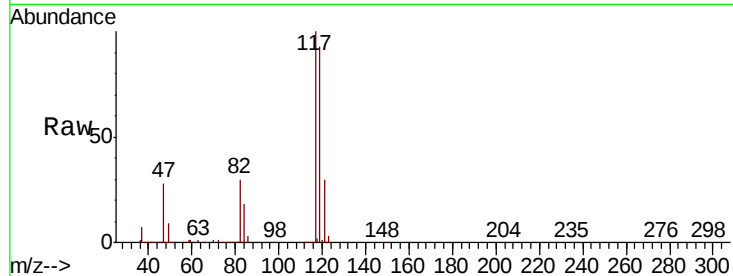
Tgt Ion: 43	Resp: 1627742
Ion Ratio	Lower Upper
43 100	
72 21.9	17.8 26.6





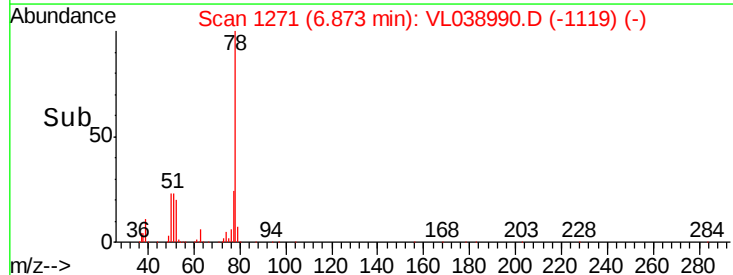
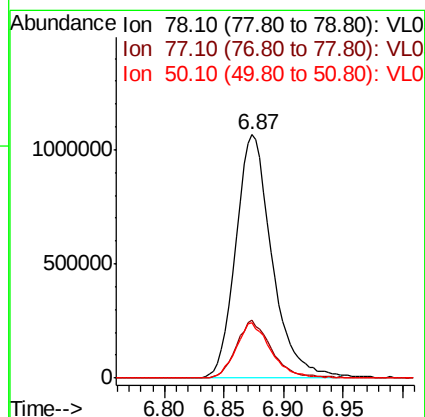
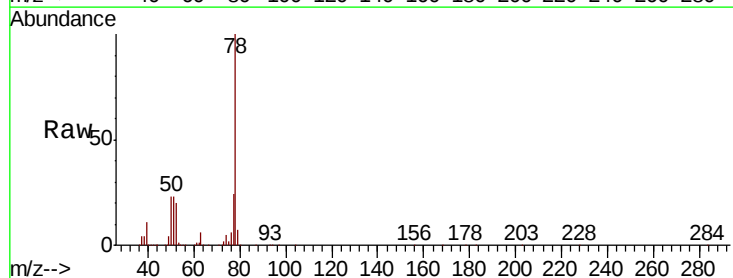
#35
 Carbon Tetrachloride
 Concen: 11.943 ppbv
 RT: 7.00
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 9 May 2022 16:25

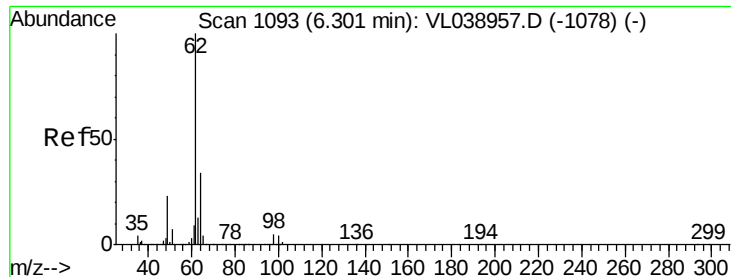
Tot Ion:117 Resp: 2108771
 Ion Ratio Lower Upper
 117 100
 119 93.3 75.2 112.8
 121 30.4 24.6 37.0



#36
 Benzene
 Concen: 9.809 ppbv
 RT: 6.87 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

Tgt Ion: 78 Resp: 2249576
 Ion Ratio Lower Upper
 78 100
 77 23.6 18.6 28.0
 50 22.6 15.6 23.4





#37

1,2-Dichloroethane

Concen: 11.883 ppbv

RT: 6.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

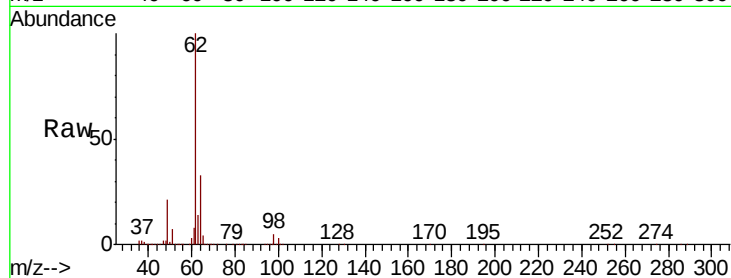
Acq: 9 May 2022 16:25 VL0509ABS01

Tot Ion: 62 Resp: 1686117

Ion Ratio Lower Upper

62 100

98 4.8 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.29

800000

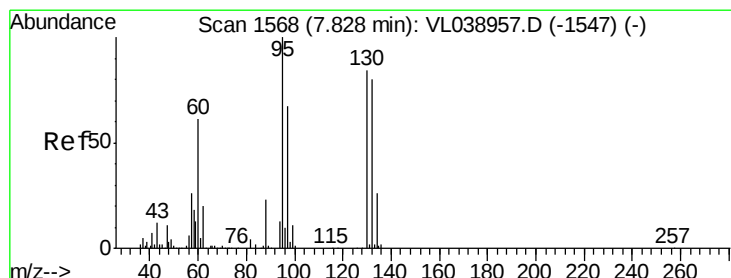
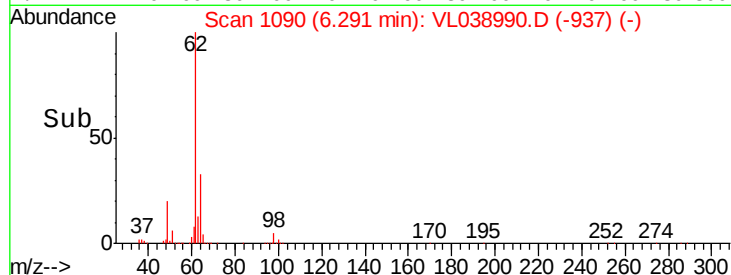
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.075 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VL038990.D

Acq: 9 May 2022 16:25

Tgt Ion:130 Resp: 1027192

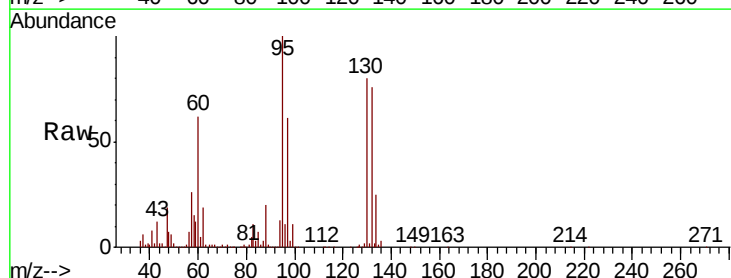
Ion Ratio Lower Upper

130 100

95 125.4 94.8 142.2

132 95.0 75.8 113.8

97 76.8 63.6 95.4



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

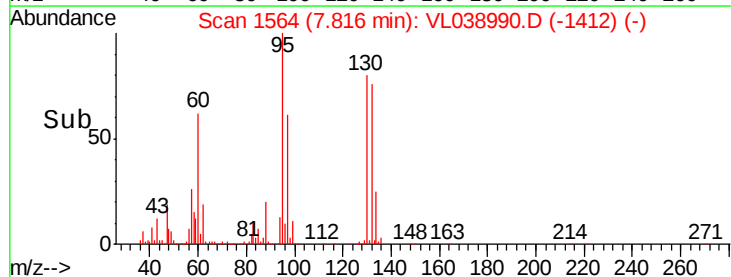
600000

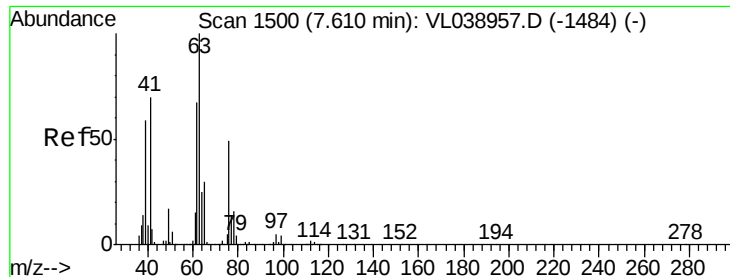
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 10.144 ppbv

RT: 7.59 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 May 2022 16:25 VL0509ABS01

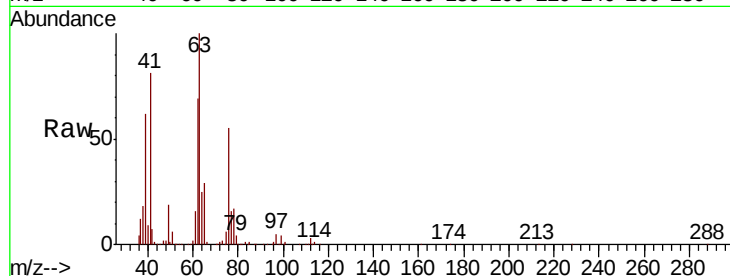
Tot Ion: 63 Resp: 905222

Ion Ratio Lower Upper

63 100

41 81.2 55.9 83.9

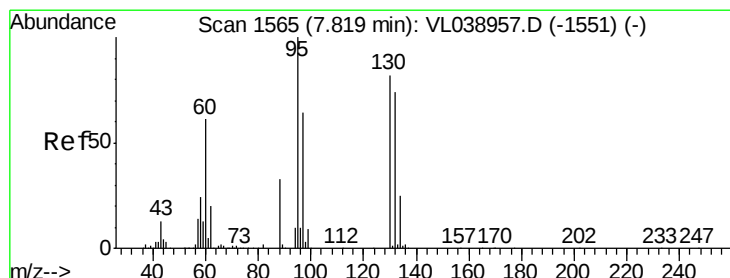
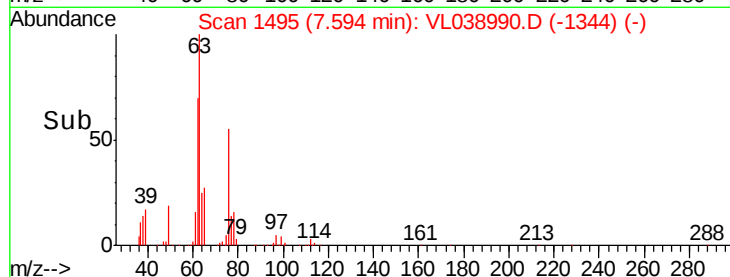
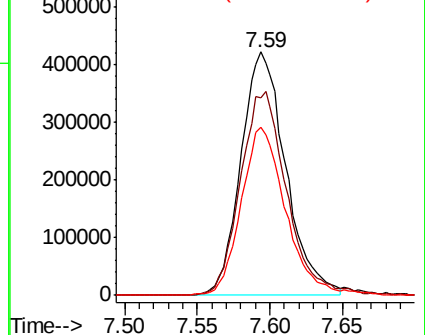
62 69.3 53.8 80.6



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.995 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL038990.D

Acq: 9 May 2022 16:25

Tgt Ion: 88 Resp: 288286

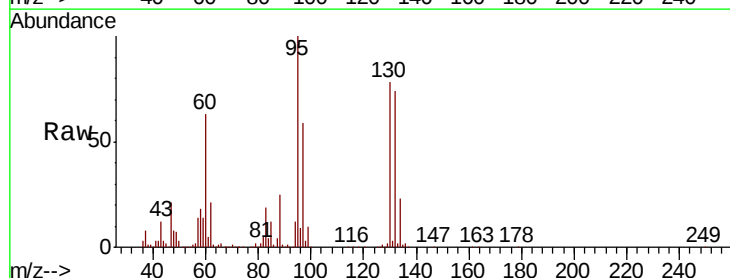
Ion Ratio Lower Upper

88 100

58 84.3 106.1 159.1#

43 0.0 222.9 334.3#

57 0.0 957.6 1436.4#

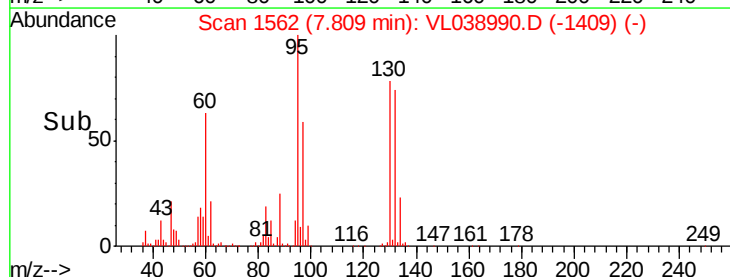
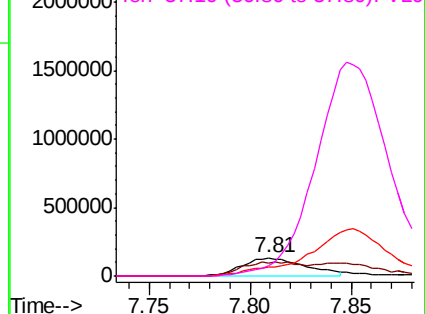


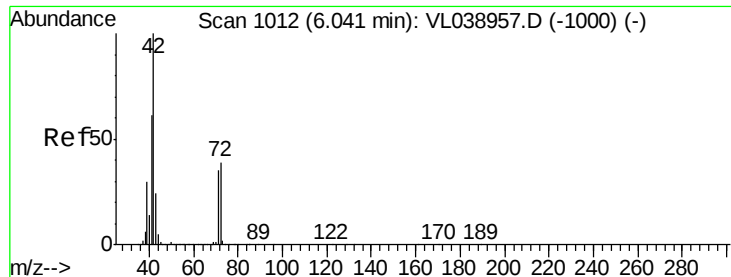
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.316 ppbv

RT: 6.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 May 2022 16:25

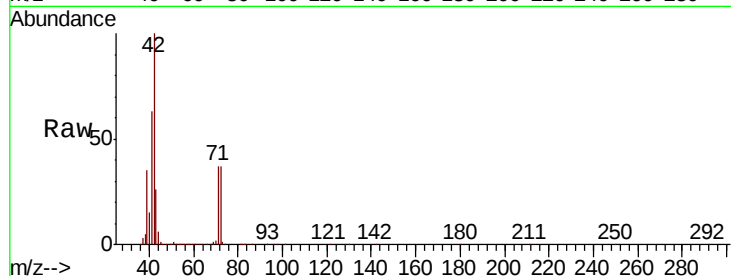
Tot Ion: 42 Resp: 947885

Ion Ratio Lower Upper

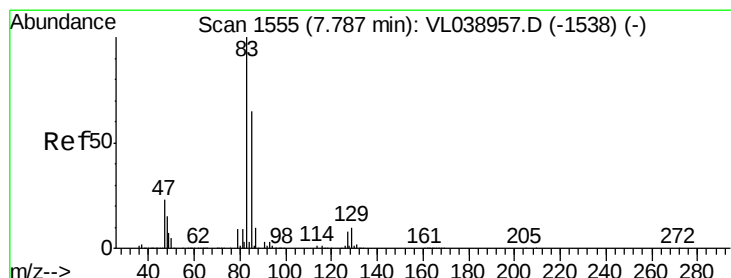
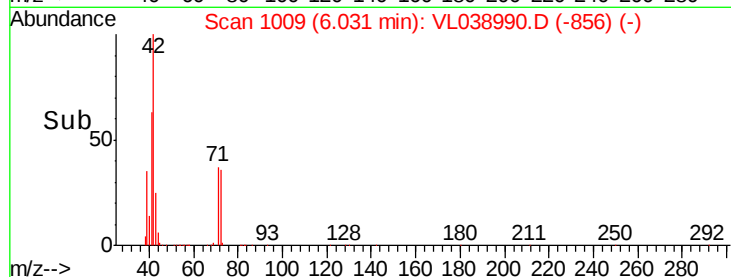
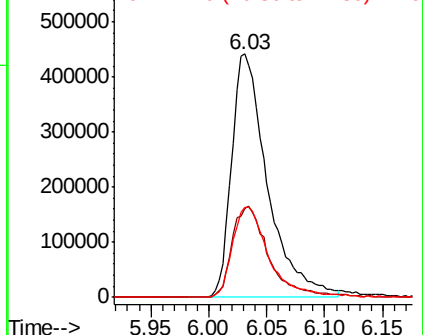
42 100

72 38.8 31.8 47.6

71 38.3 30.6 45.8



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: 11.406 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VL038990.D

Acq: 9 May 2022 16:25

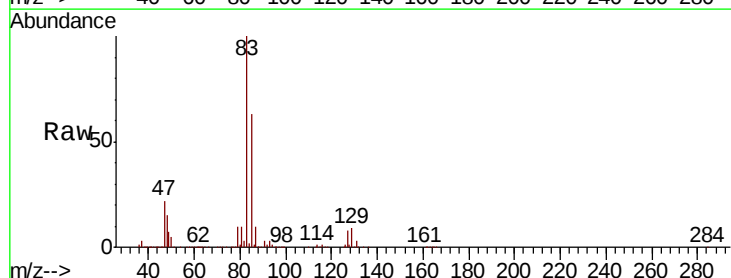
Tgt Ion: 83 Resp: 2212608

Ion Ratio Lower Upper

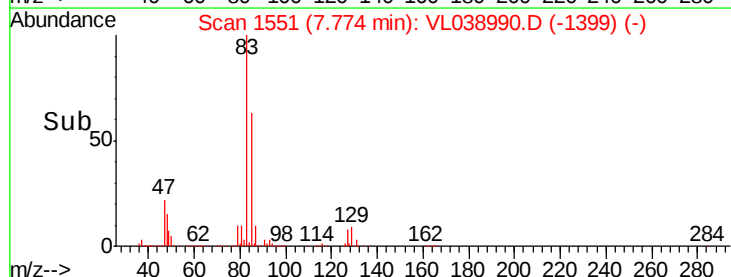
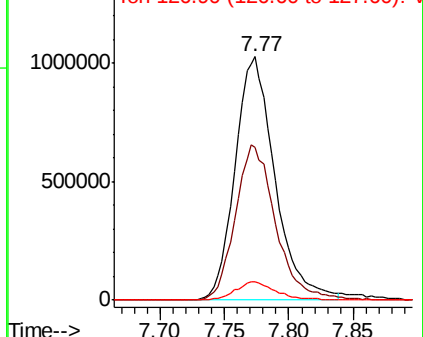
83 100

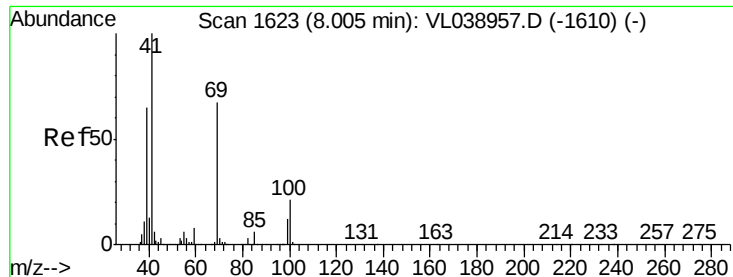
85 62.9 52.0 78.0

127 7.5 6.0 9.0



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): V





#43

Methyl Methacrylate

Concen: 10.596 ppbv

RT: 8.00

Instrument: MSVOA_1

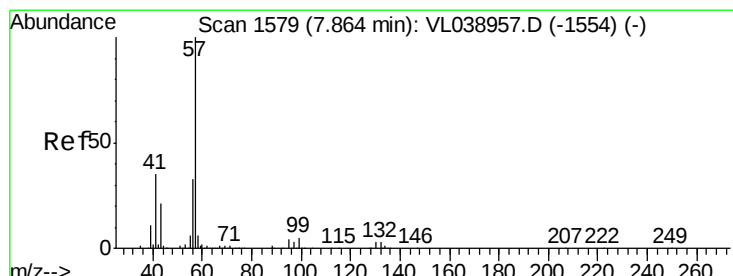
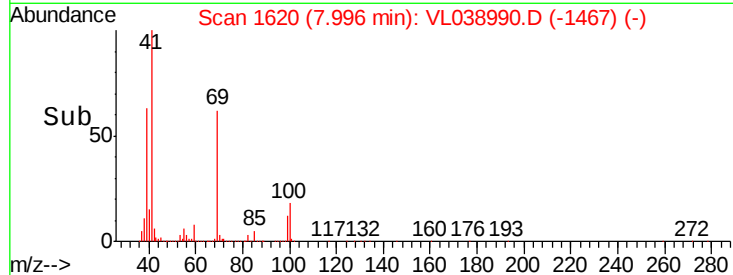
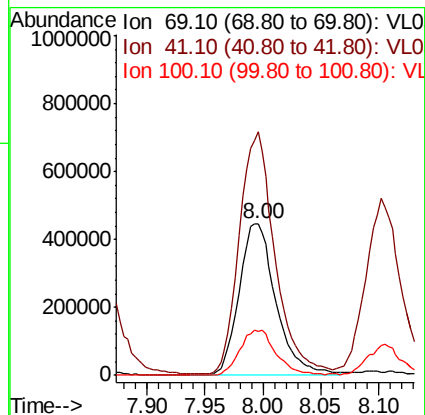
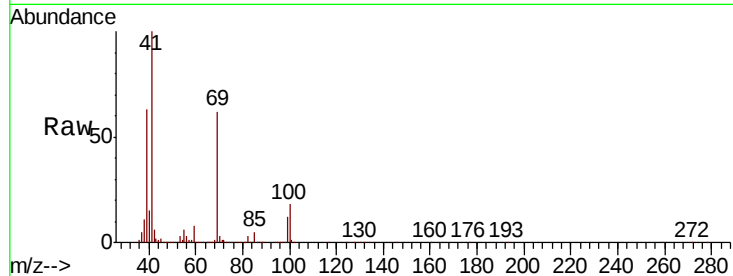
Delta R.T. ClientSampleId:

Lab File: VL0509ABS01

Acq: 9 May 2022 16:25

Tot Ion: 69 Resp: 986541

Ion	Ratio	Lower	Upper
69	100		
41	155.4	121.9	182.9
100	29.6	24.6	36.8



#44

2,2,4-Trimethylpentane

Concen: 9.976 ppbv

RT: 7.85 min Scan# 1574

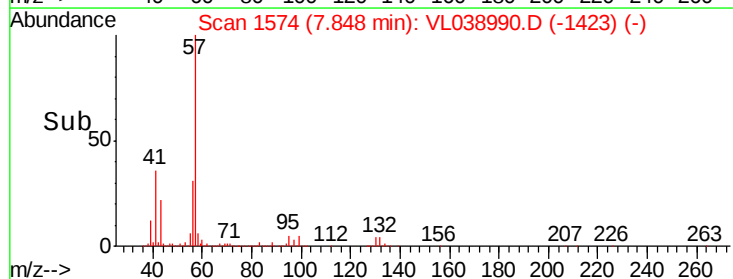
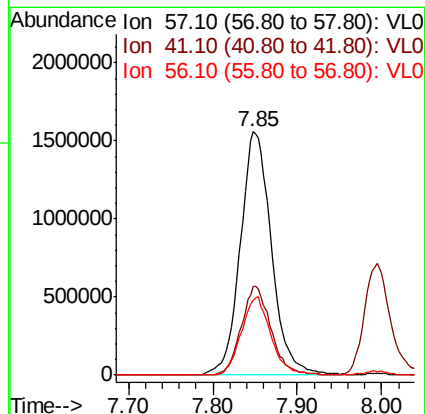
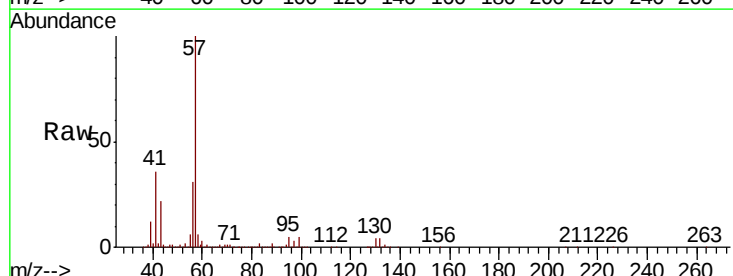
Delta R.T. -0.02 min

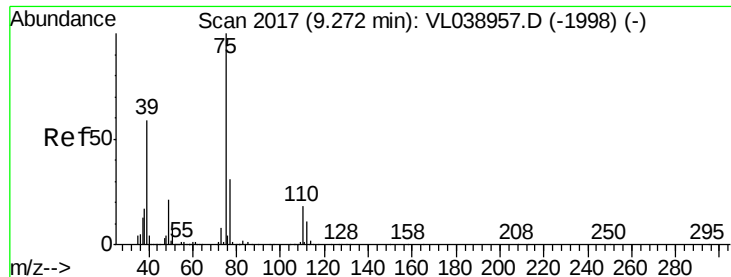
Lab File: VL038990.D

Acq: 9 May 2022 16:25

Tgt Ion: 57 Resp: 4014396

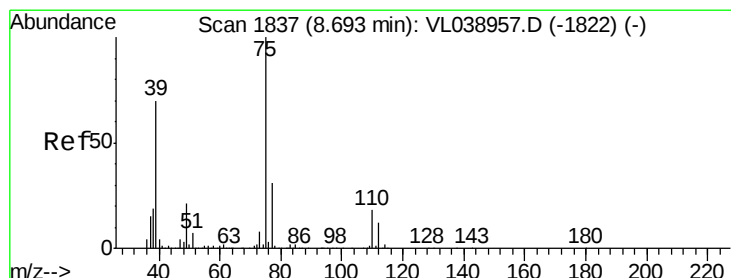
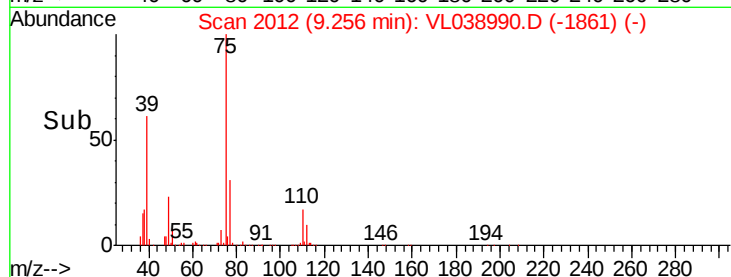
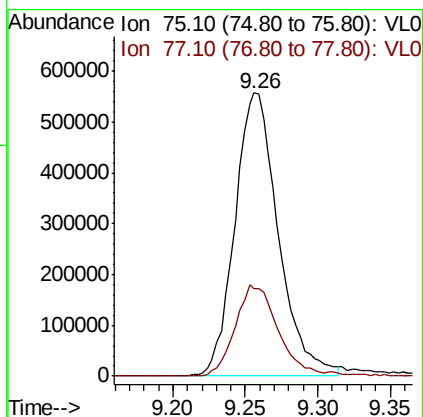
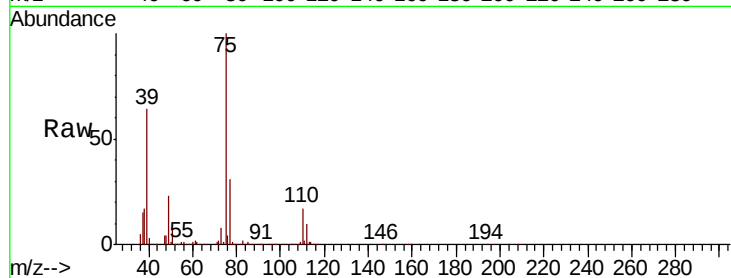
Ion	Ratio	Lower	Upper
57	100		
41	34.7	26.3	39.5
56	30.5	24.6	37.0





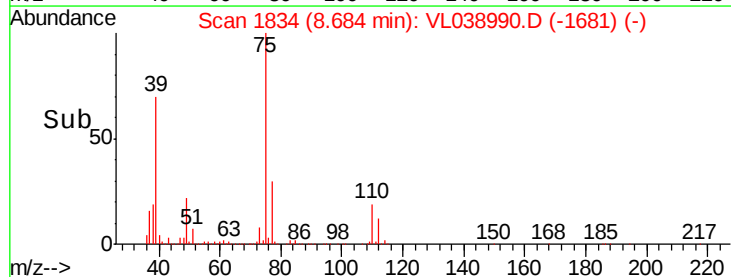
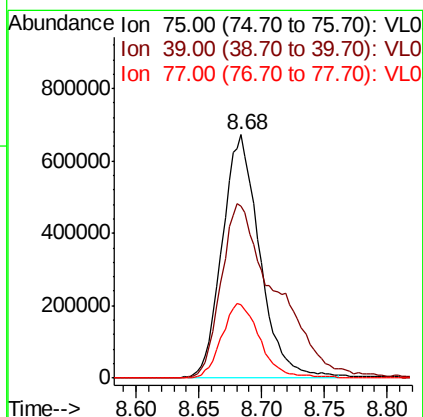
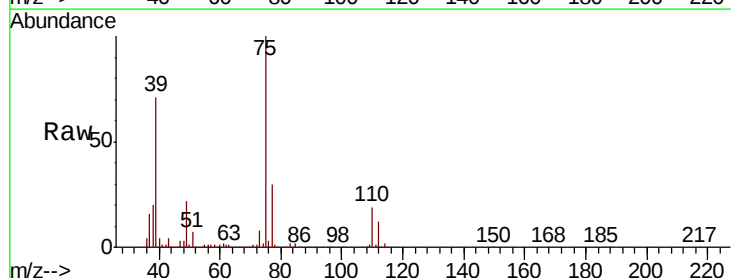
#45
t-1,3-Dichloropropene
Concen: 12.818 ppbv
RT: 9.26 Instrument : MSVOA_1
Delta R.T. ClientSampleId :
Lab File: VL0509ABS01
Acq: 9 May 2022 16:25

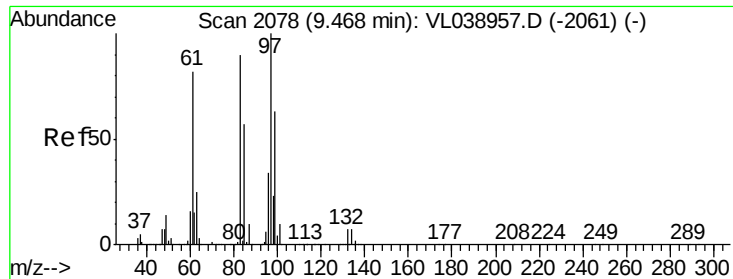
Tot Ion: 75 Resp: 1155209
Ion Ratio Lower Upper
75 100
77 31.1 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 11.527 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.01 min
Lab File: VL038990.D
Acq: 9 May 2022 16:25

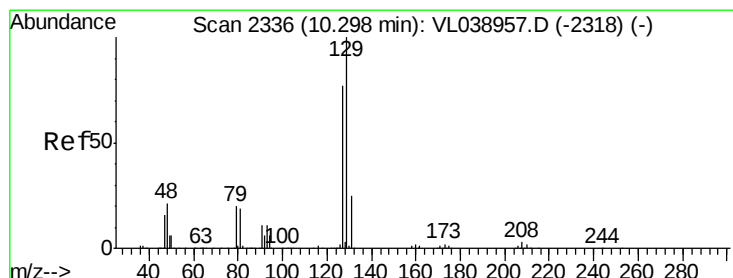
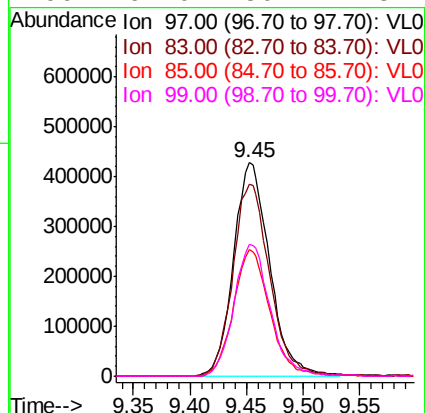
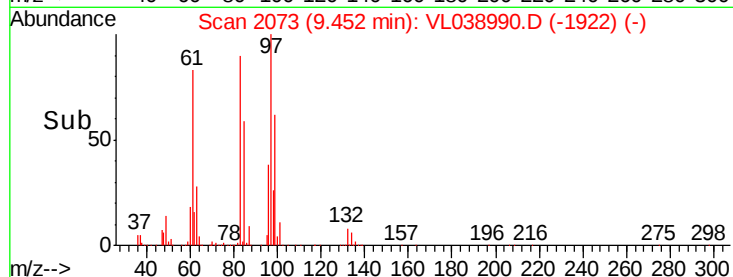
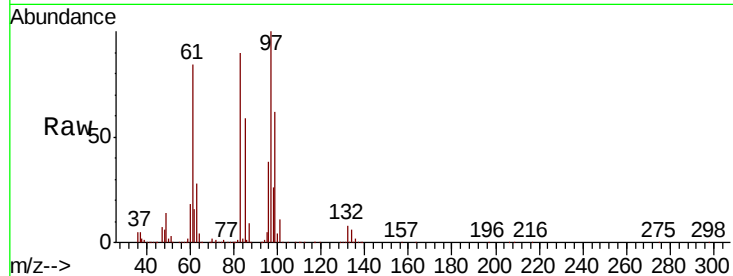
Tgt Ion: 75 Resp: 1377596
Ion Ratio Lower Upper
75 100
39 70.5 55.8 83.6
77 29.9 24.8 37.2





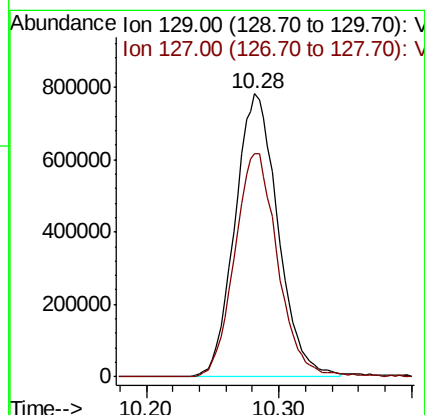
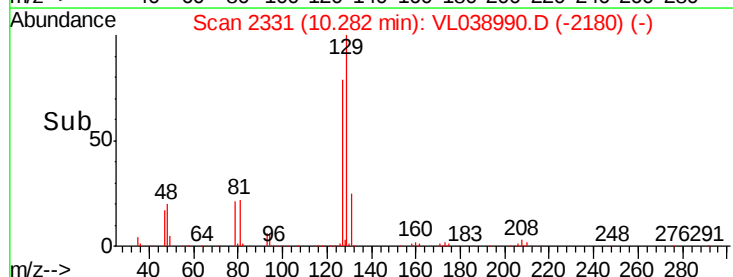
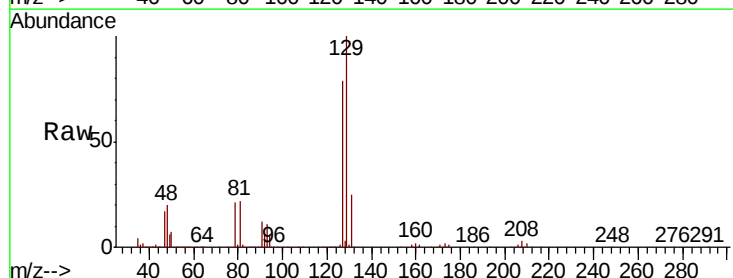
#47
 1,1,2-Trichloroethane
 Concen: 10.240 ppbv
 RT: 9.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampled : VL0509ABS01
 Acq: 9 May 2022 16:25

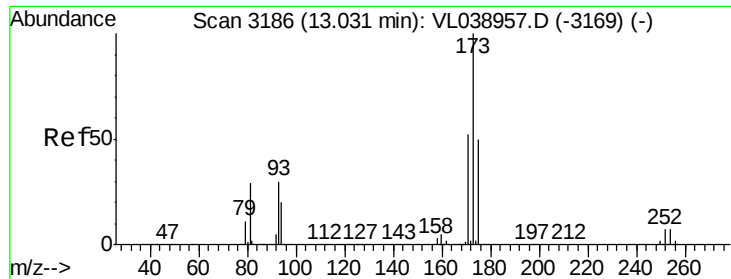
Tot Ion:	97	Resp:	950342
Ion	Ratio	Lower	Upper
97	100		
83	90.2	72.0	108.0
85	59.2	45.7	68.5
99	62.0	50.2	75.4



#48
 Dibromochloromethane
 Concen: 11.599 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.02 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

Tgt Ion:	129	Resp:	1752143
Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.3	117.9





#49

Bromoform

Concen: 12.747 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 May 2022 16:25

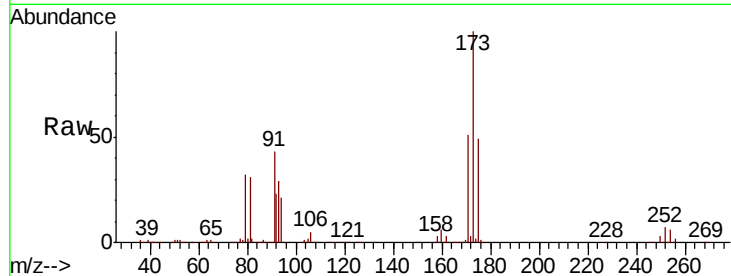
Tot Ion:173 Resp: 1468514

Ion Ratio Lower Upper

173 100

175 49.8 41.0 61.6

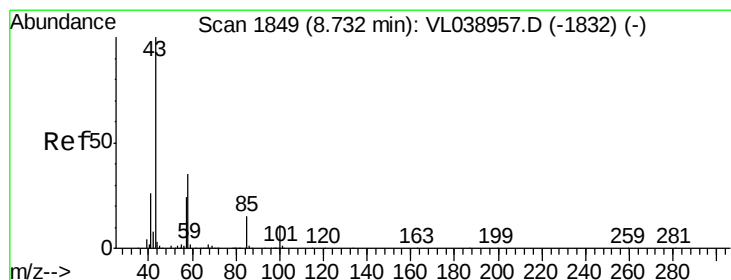
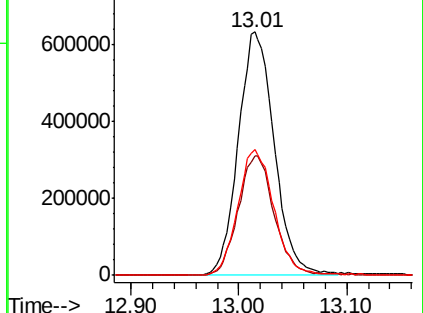
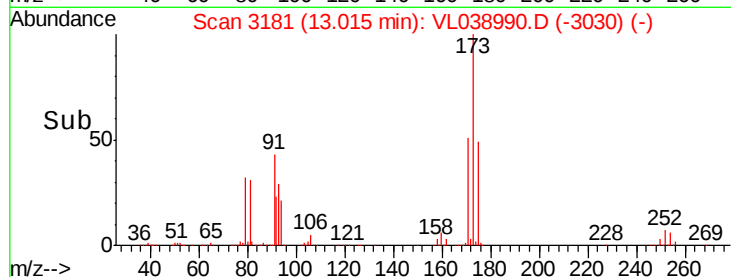
171 52.1 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.693 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.02 min

Lab File: VL038990.D

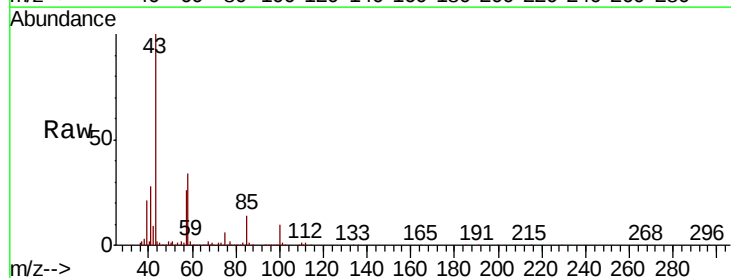
Acq: 9 May 2022 16:25

Tgt Ion: 43 Resp: 2563493

Ion Ratio Lower Upper

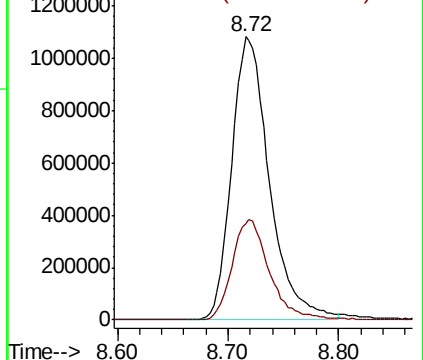
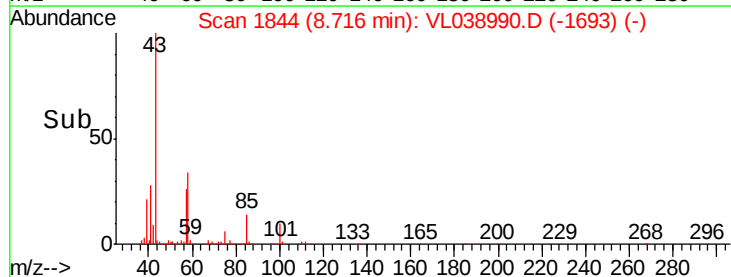
43 100

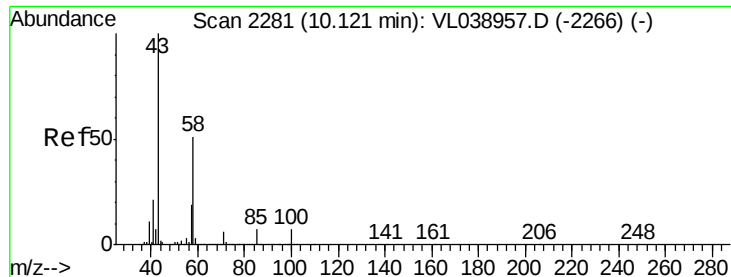
58 35.4 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

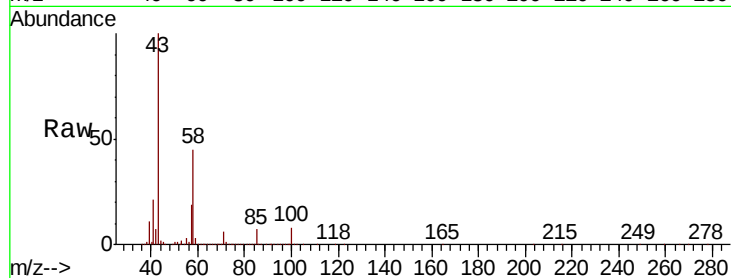
Ion 58.10 (57.80 to 58.80): VL0



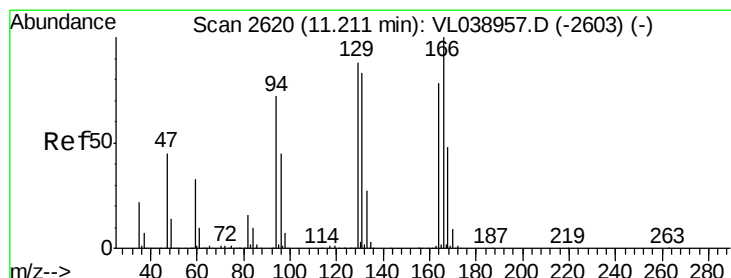
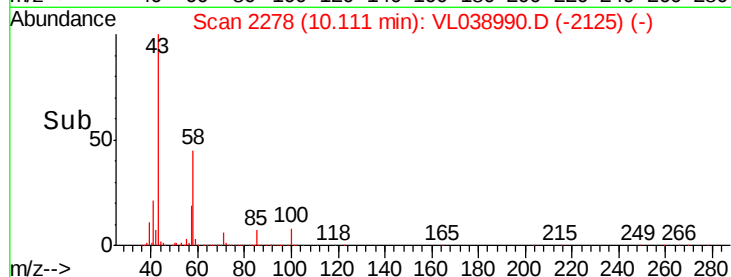
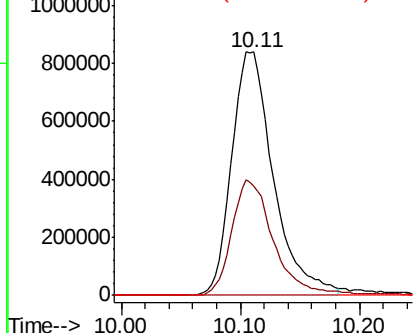


#51
2-Hexanone
Concen: 11.652 ppbv
RT: 10.11 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0509ABS01
Acq: 9 May 2022 16:25

Tot Ion: 43 Resp: 2038758
Ion Ratio Lower Upper
43 100
58 47.9 39.3 58.9
98 0.3 0.2 0.2#

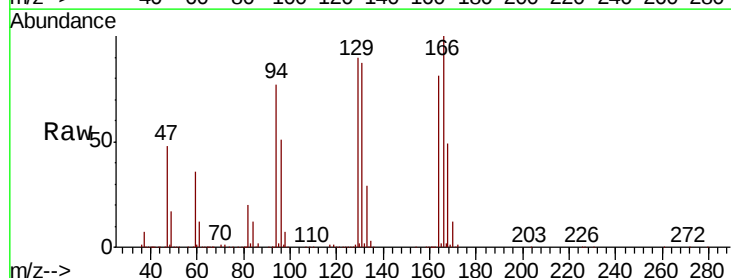


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

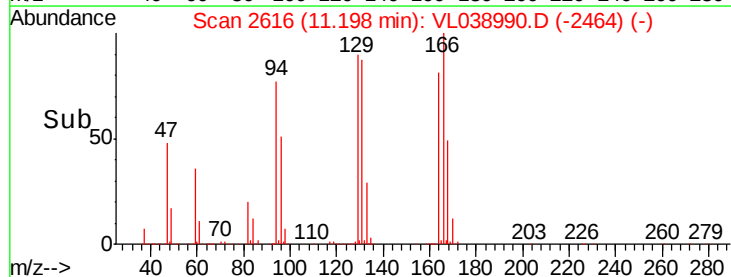
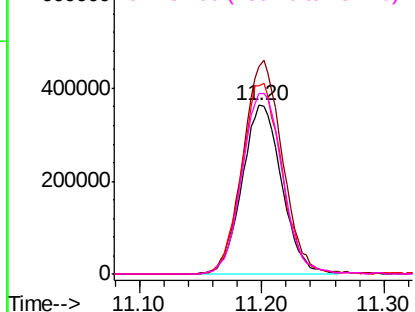


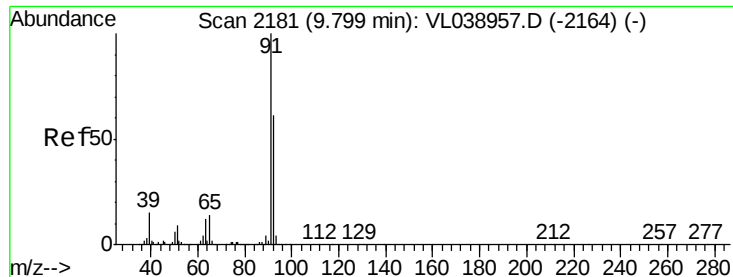
#52
Tetrachloroethene
Concen: 9.911 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.01 min
Lab File: VL038990.D
Acq: 9 May 2022 16:25

Tgt Ion:164 Resp: 812226
Ion Ratio Lower Upper
164 100
166 123.1 102.5 153.7
129 111.3 90.1 135.1
131 106.9 84.8 127.2



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.296 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

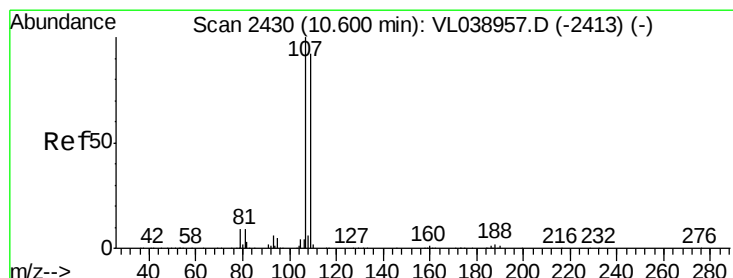
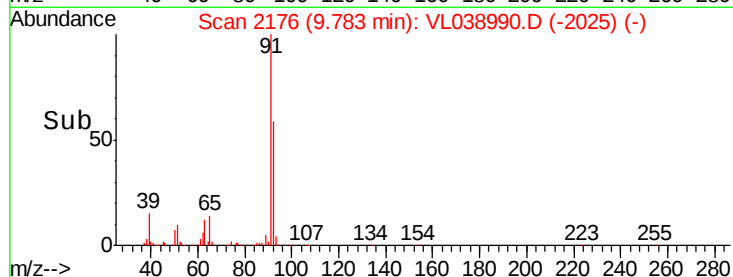
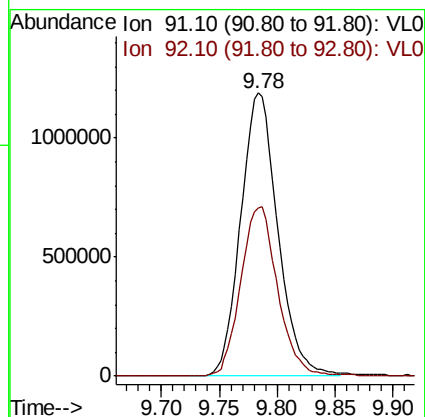
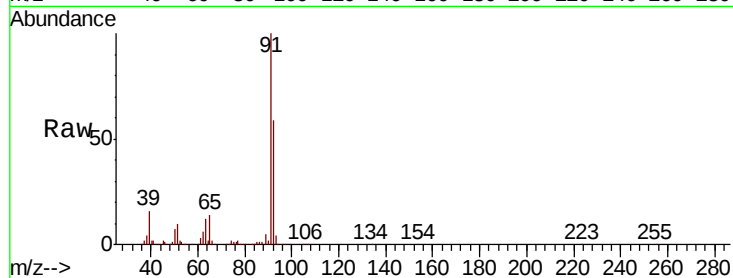
Acq: 9 May 2022 16:25 VL0509ABS01

Tot Ion: 91 Resp: 2646614

Ion Ratio Lower Upper

91 100

92 60.1 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.020 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.01 min

Lab File: VL038990.D

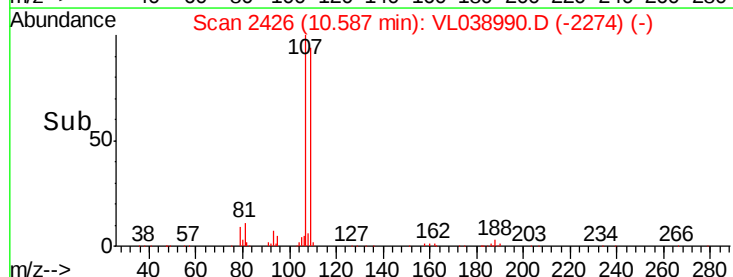
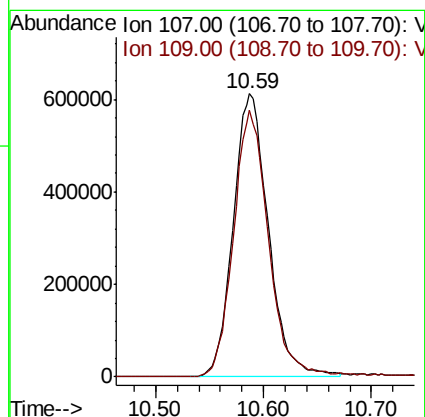
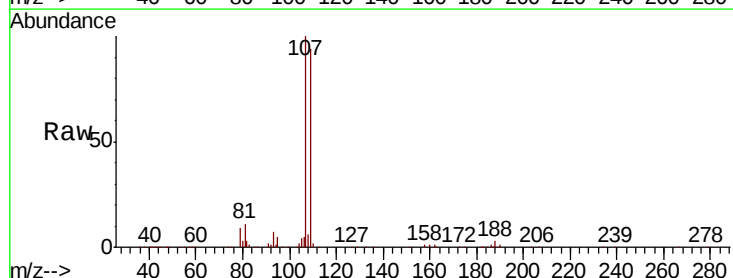
Acq: 9 May 2022 16:25

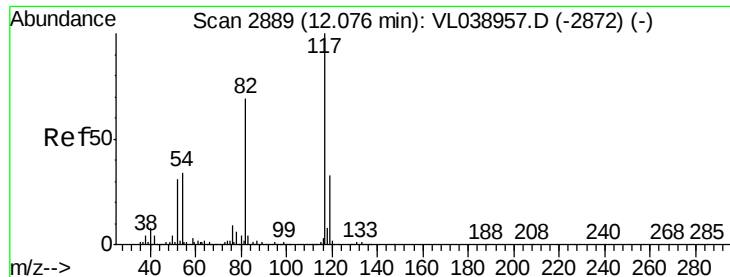
Tgt Ion: 107 Resp: 1392359

Ion Ratio Lower Upper

107 100

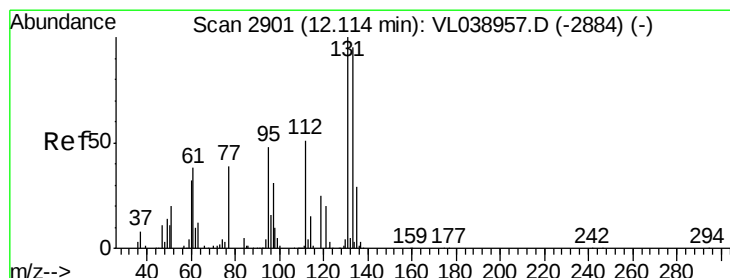
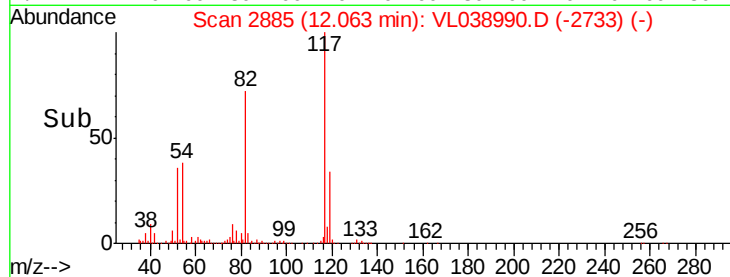
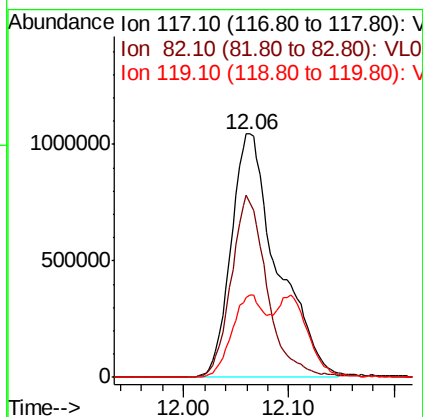
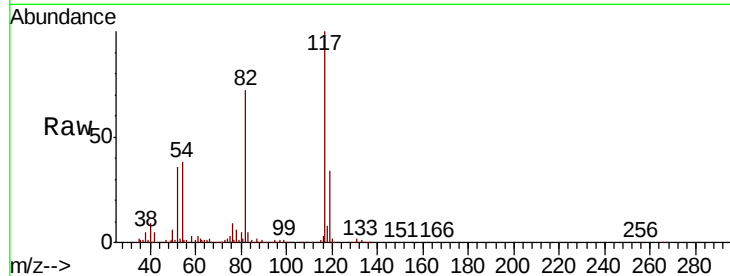
109 94.1 73.8 110.8





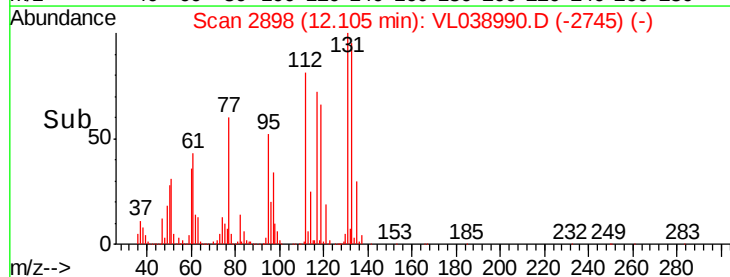
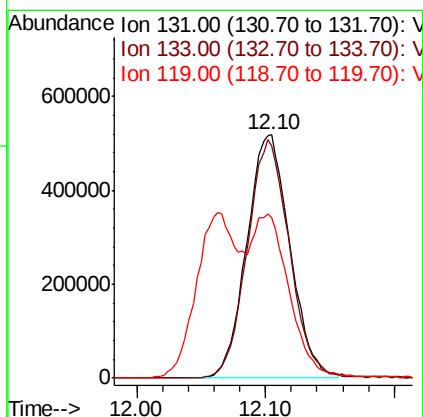
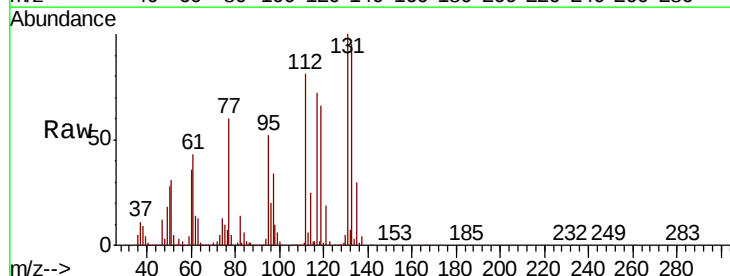
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample ID:
Lab File: VL0509ABS01
Acq: 9 May 2022 16:25

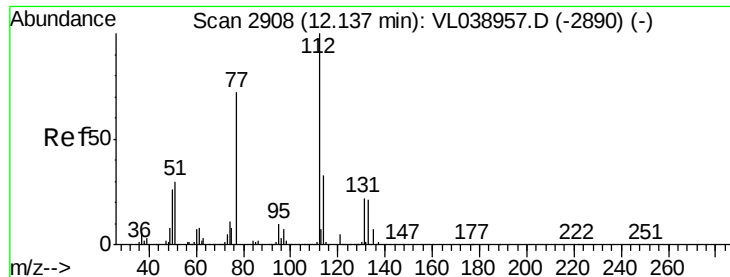
Tot Ion:117 Resp: 3182700
Ion Ratio Lower Upper
117 100
82 58.5 57.0 85.6
119 26.3 27.2 40.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.628 ppbv
RT: 12.10 min Scan# 2898
Delta R.T.: -0.01 min
Lab File: VL038990.D
Acq: 9 May 2022 16:25

Tgt Ion:131 Resp: 1204872
Ion Ratio Lower Upper
131 100
133 96.1 76.9 115.3
119 59.3 47.4 71.0





#57

Chlorobenzene

Concen: 8.131 ppbv

RT: 12.12

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 May 2022 16:25

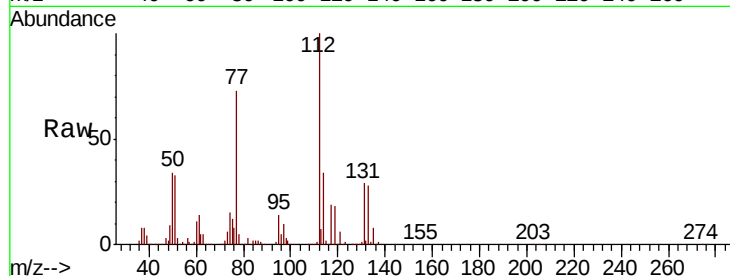
Tot Ion:112 Resp: 1939807

Ion Ratio Lower Upper

112 100

77 71.8 57.7 86.5

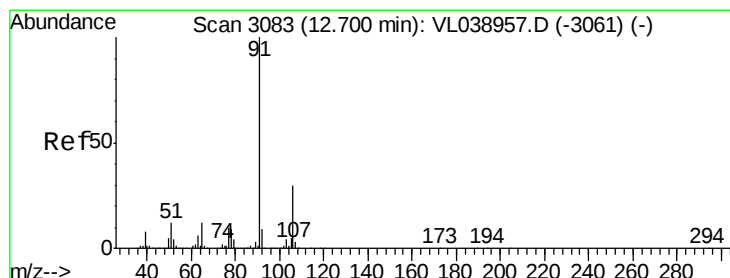
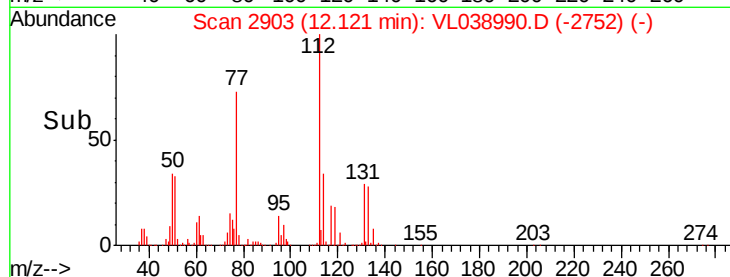
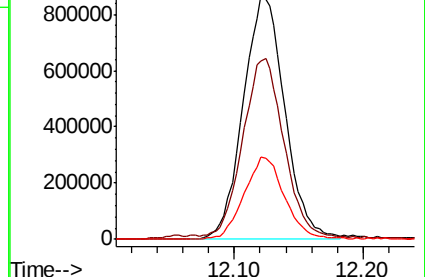
114 34.0 30.1 36.7



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: 8.084 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL038990.D

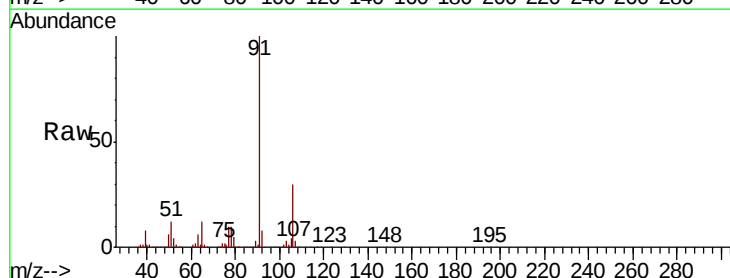
Acq: 9 May 2022 16:25

Tgt Ion: 91 Resp: 3702628

Ion Ratio Lower Upper

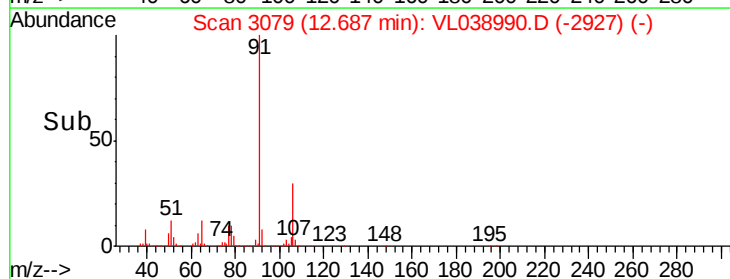
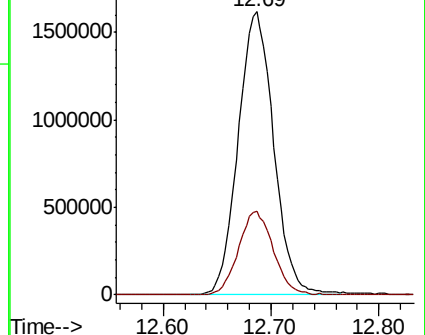
91 100

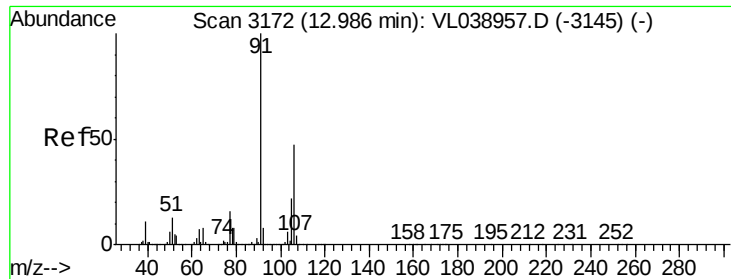
106 29.6 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

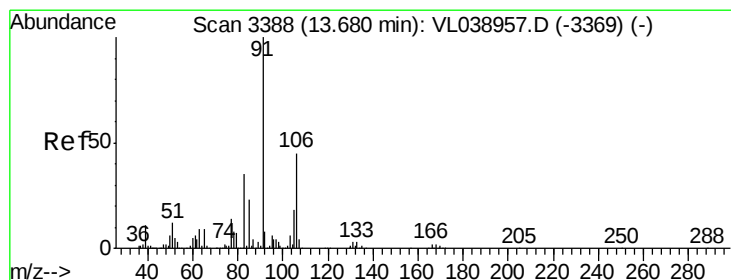
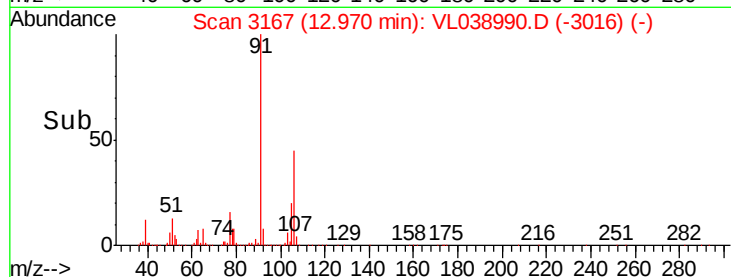
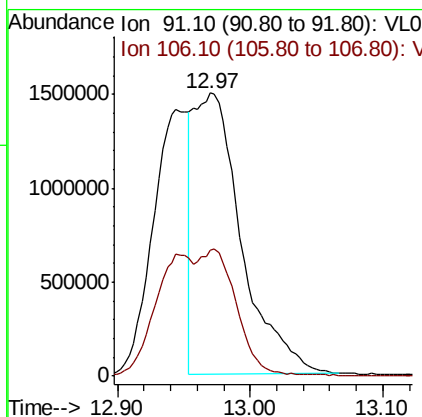
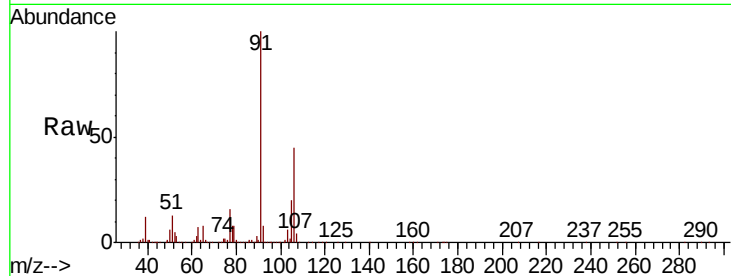
Ion 106.10 (105.80 to 106.80): V





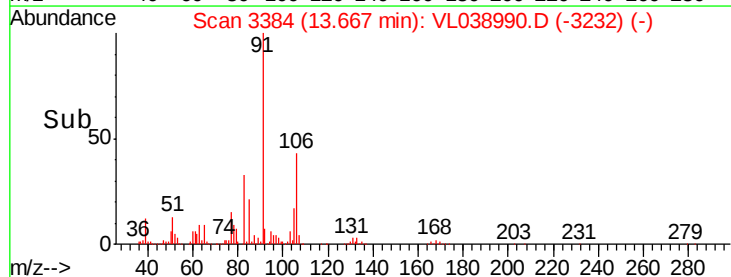
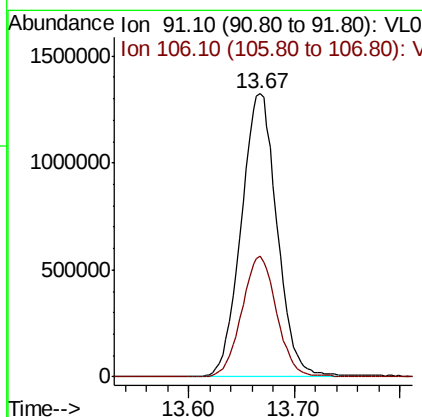
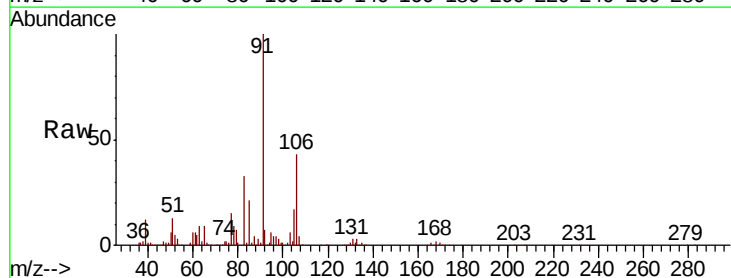
#59
m/p-Xylene
Concen: 9.555 ppbv
RT: 12.97 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0509ABS01
Acq: 9 May 2022 16:25

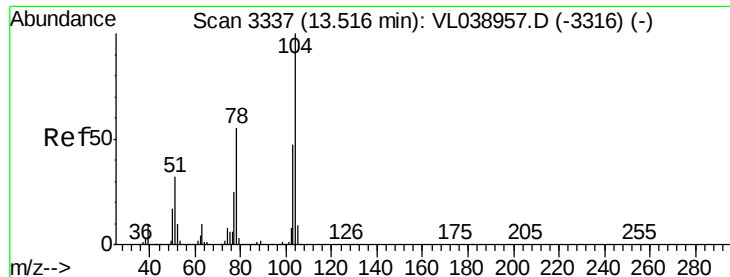
Tot Ion: 91 Resp: 3736181
Ion Ratio Lower Upper
91 100
106 71.0 34.6 52.0#



#60
o-Xylene
Concen: 8.491 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL038990.D
Acq: 9 May 2022 16:25

Tgt Ion: 91 Resp: 3124858
Ion Ratio Lower Upper
91 100
106 41.9 22.2 66.6





#61

Stvrene

Concen: 8.901 ppbv

RT: 13.50

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 May 2022 16:25

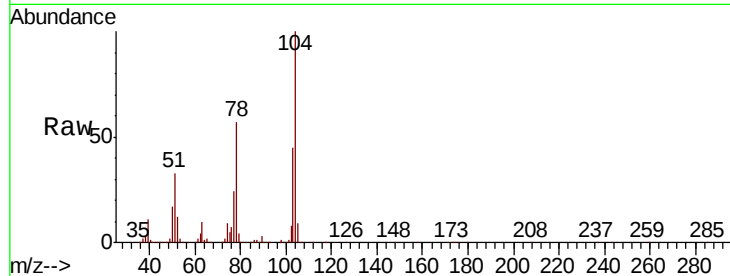
Tot Ion:104 Resp: 1748819

Ion Ratio Lower Upper

104 100

78 60.0 46.4 69.6

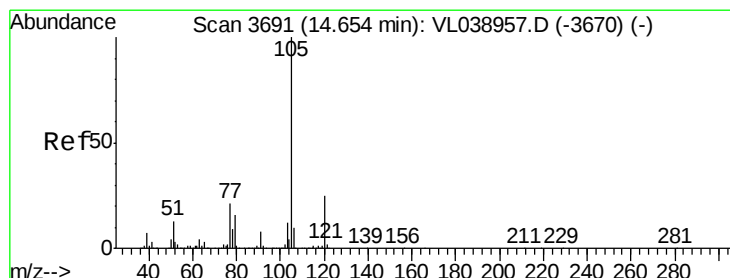
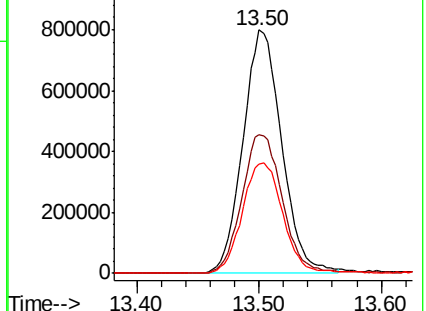
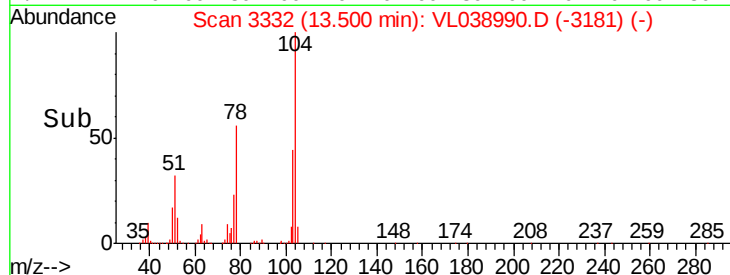
103 47.7 39.3 58.9



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.218 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.01 min

Lab File: VL038990.D

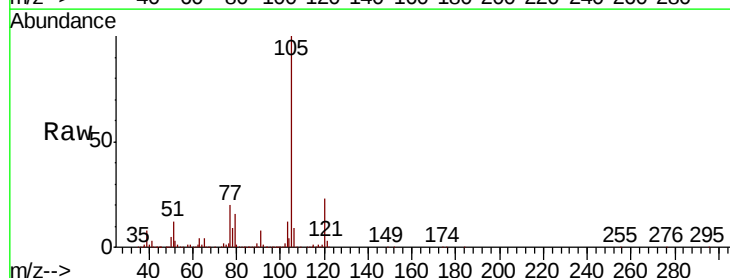
Acq: 9 May 2022 16:25

Tgt Ion:105 Resp: 4422547

Ion Ratio Lower Upper

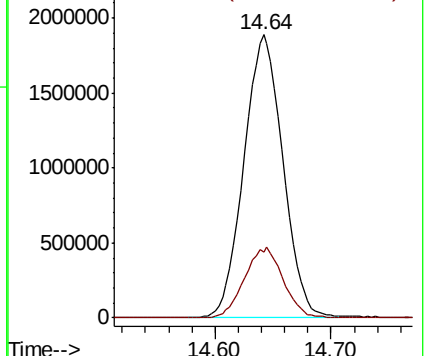
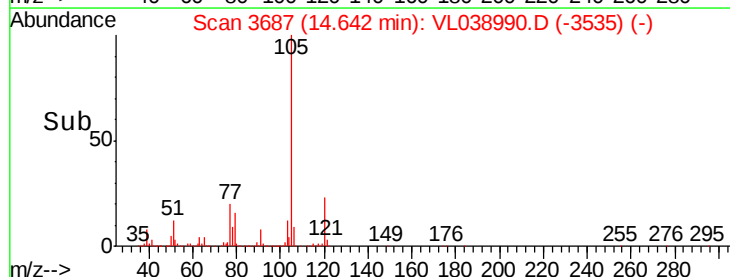
105 100

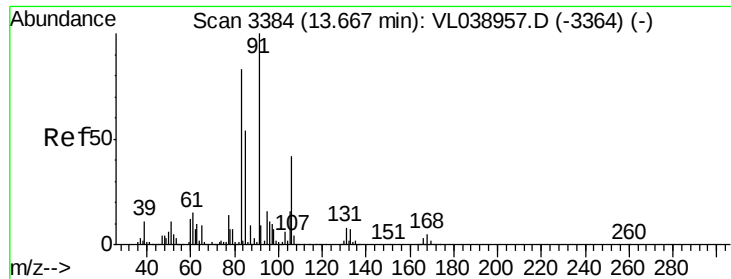
120 24.9 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

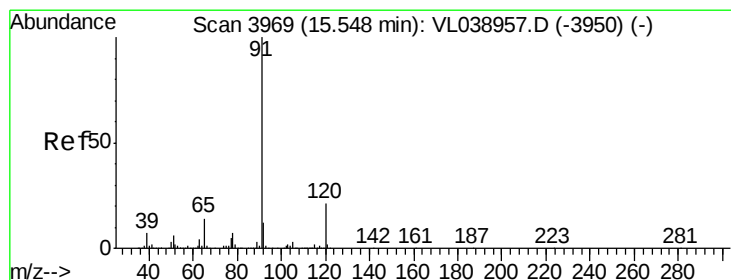
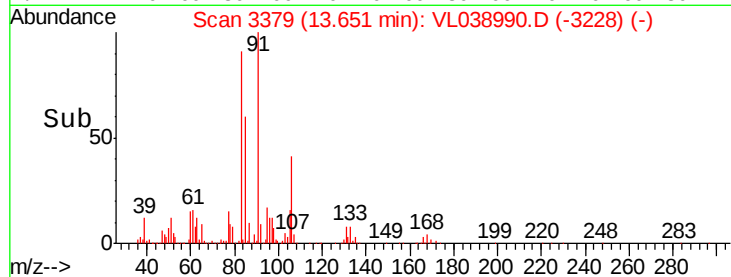
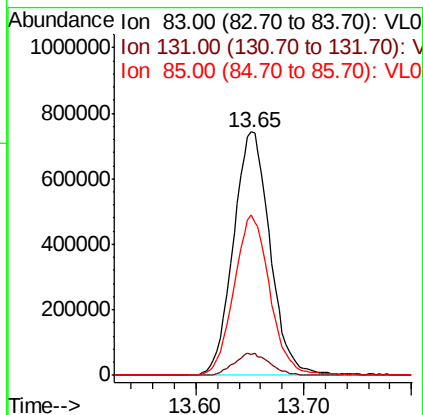
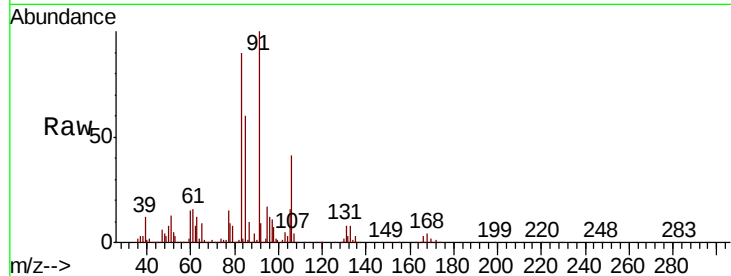




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.087 ppbv
 RT: 13.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 9 May 2022 16:25

Tot Ion: 83 Resp: 1752458

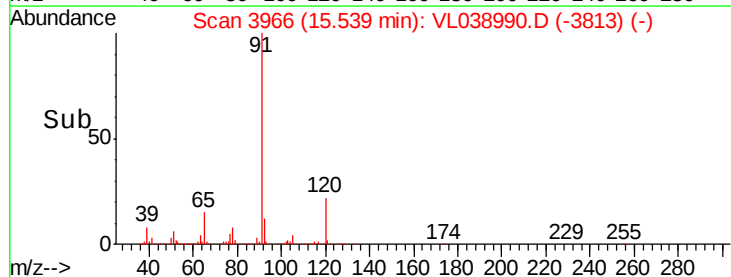
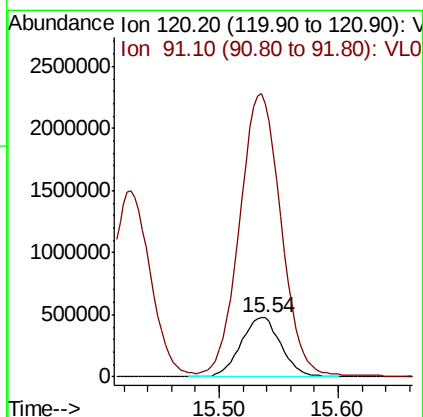
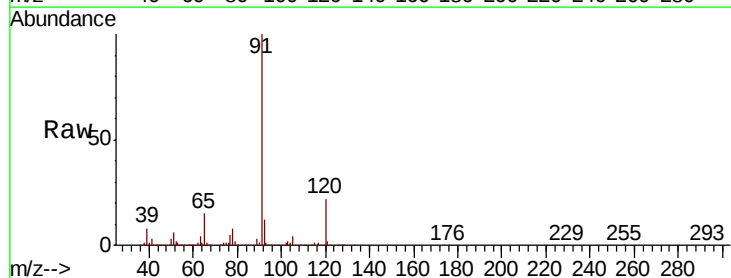
Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.5	13.7
85	65.1	32.8	98.3

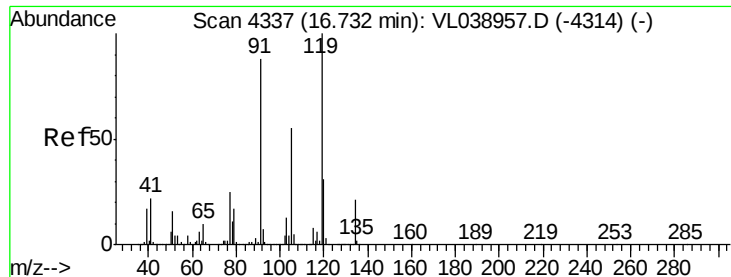


#64
 n-propylbenzene
 Concen: 8.560 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

Tgt Ion: 120 Resp: 1113748

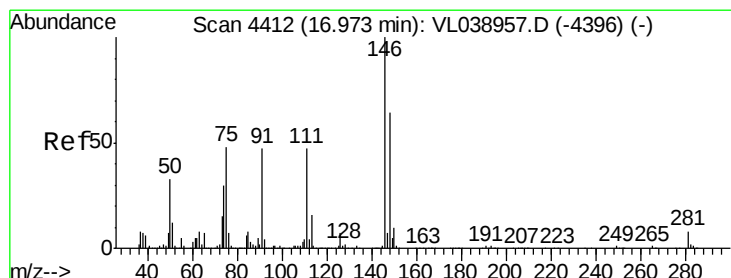
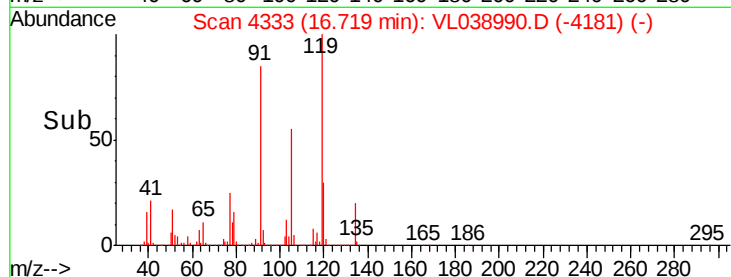
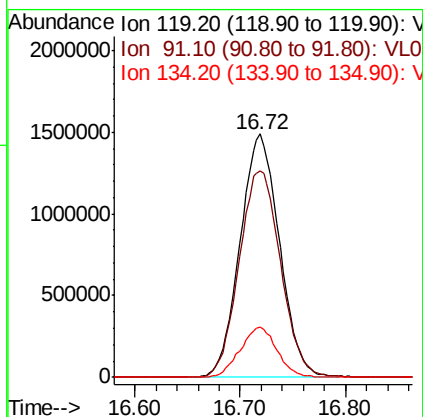
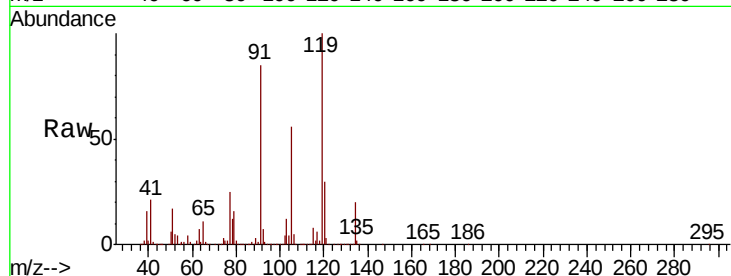
Ion	Ratio	Lower	Upper
120	100		
91	496.3	400.6	601.0





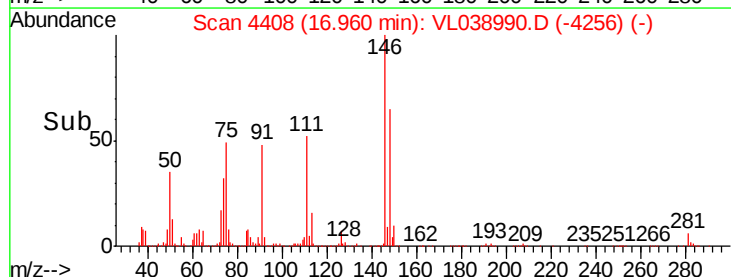
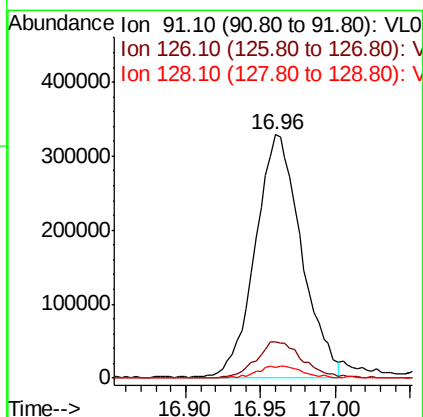
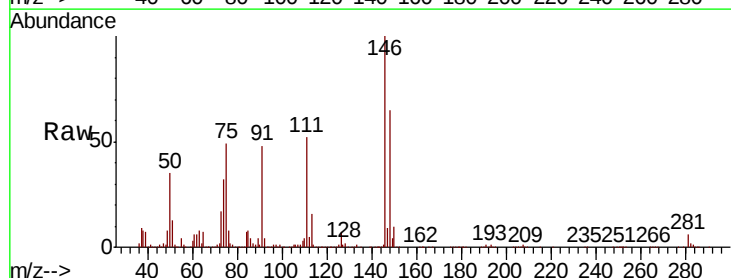
#65
tert-Butylbenzene
Concen: 8.197 ppbv
RT: 16.72 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0509ABS01
Acq: 9 May 2022 16:25

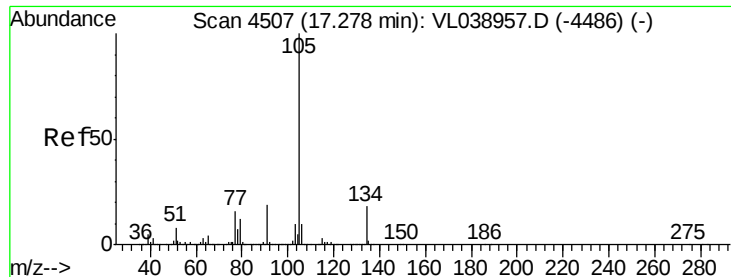
Tot Ion: 119 Resp: 3865216
Ion Ratio Lower Upper
119 100
91 89.5 69.4 104.2
134 19.3 15.8 23.8



#66
Benzyl Chloride
Concen: 11.333 ppbv
RT: 16.96 min Scan# 4408
Delta R.T. -0.01 min
Lab File: VL038990.D
Acq: 9 May 2022 16:25

Tgt Ion: 91 Resp: 698588
Ion Ratio Lower Upper
91 100
126 15.7 11.8 17.6
128 5.1 4.2 6.2





#67

sec-Butylbenzene

Concen: 8.205 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

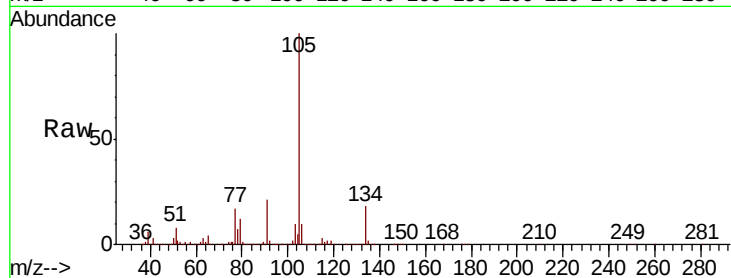
Acq: 9 May 2022 16:25

Tot Ion:105 Resp: 5527376

Ion Ratio Lower Upper

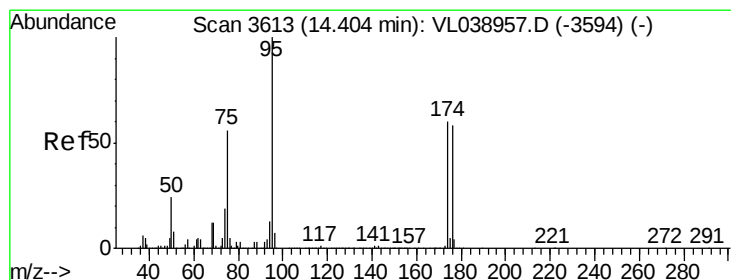
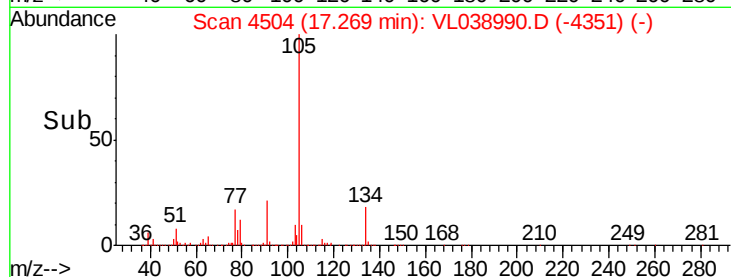
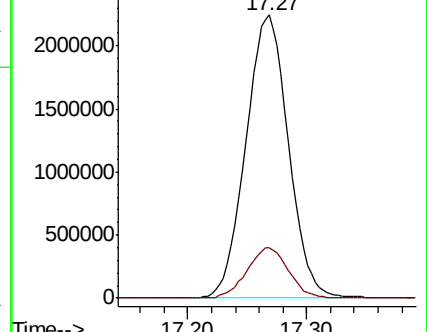
105 100

134 17.6 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.709 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.01 min

Lab File: VL038990.D

Acq: 9 May 2022 16:25

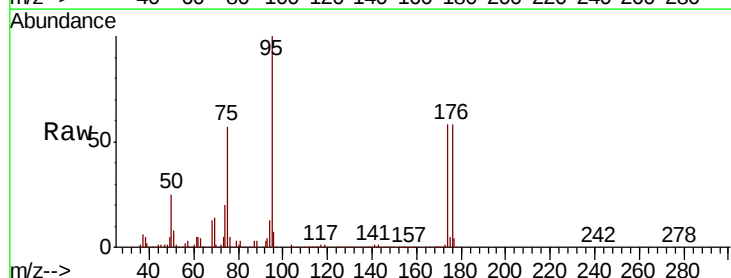
Tgt Ion: 95 Resp: 2195024

Ion Ratio Lower Upper

95 100

174 60.5 50.8 76.2

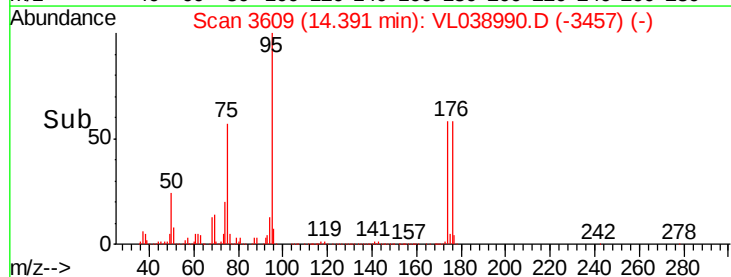
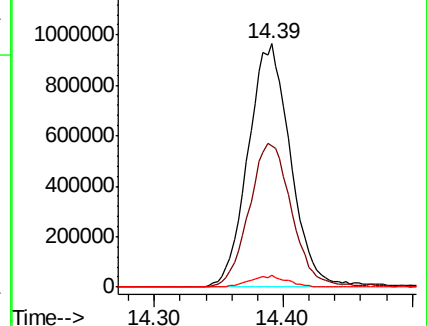
175 4.4 3.8 5.6

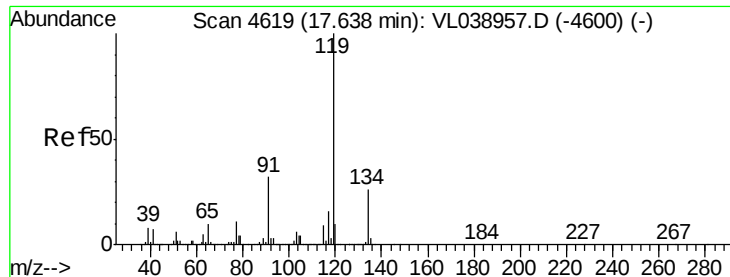


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

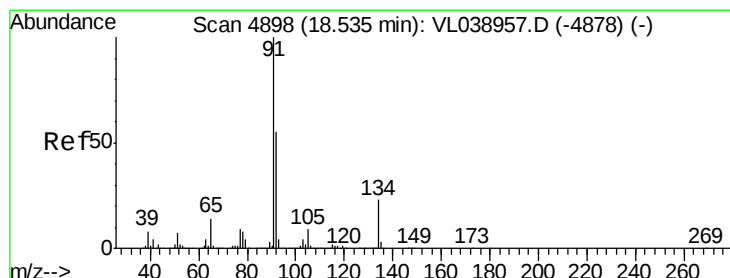
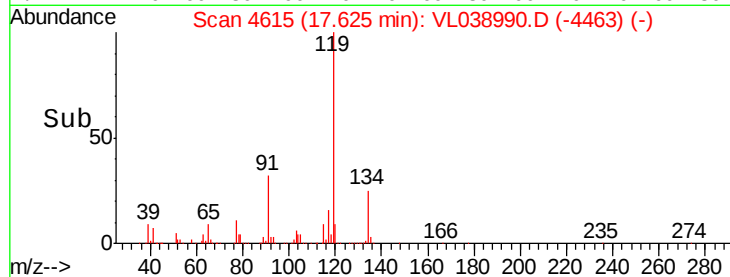
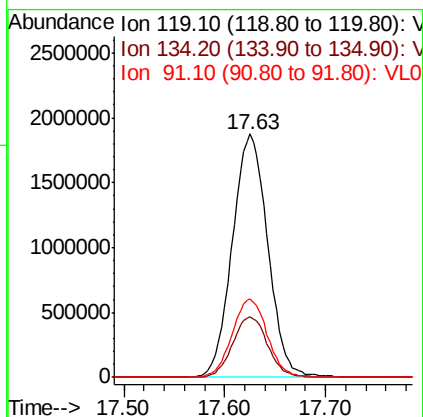
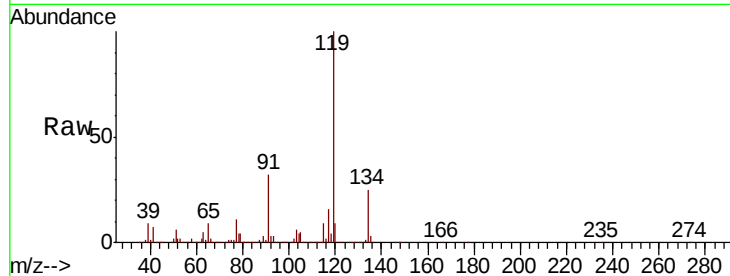




#69
 p-Isopropyltoluene
 Concen: 8.385 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 9 May 2022 16:25

Tot Ion: 119 Resp: 4563463

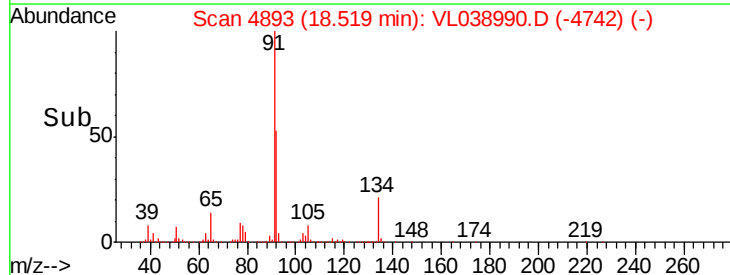
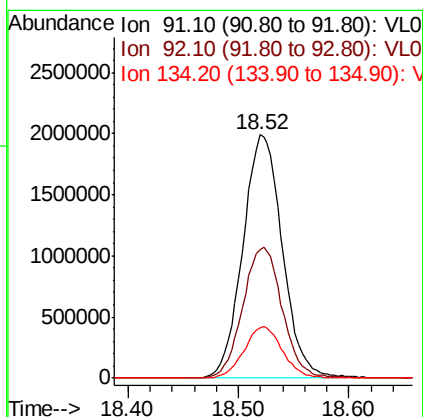
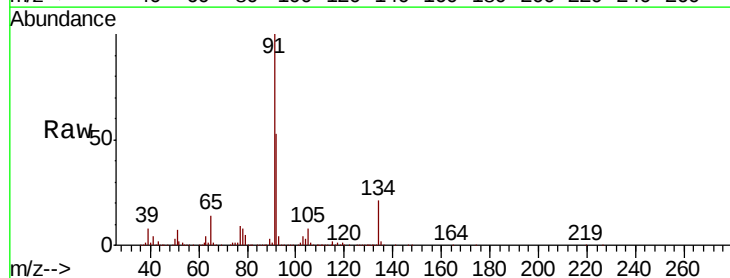
Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.0	30.0
91	31.9	24.8	37.2

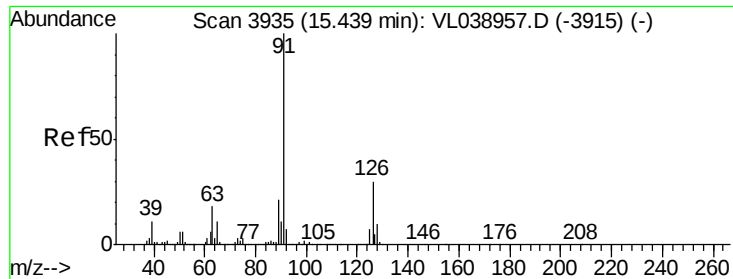


#70
 n-Butylbenzene
 Concen: 8.523 ppbv
 RT: 18.52 min Scan# 4893
 Delta R.T. -0.02 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

Tgt Ion: 91 Resp: 4928036

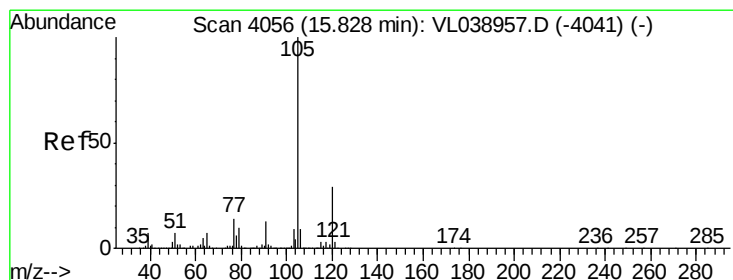
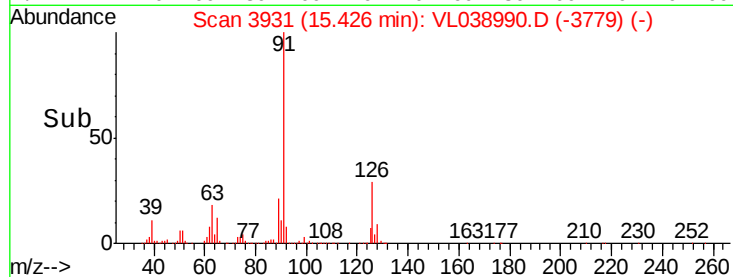
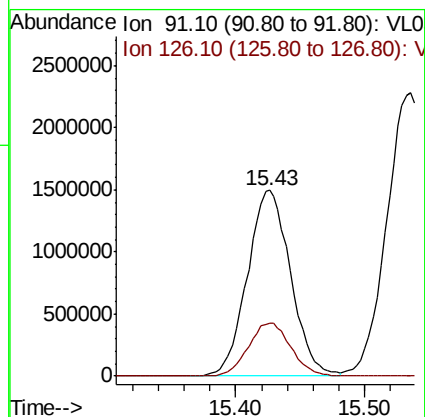
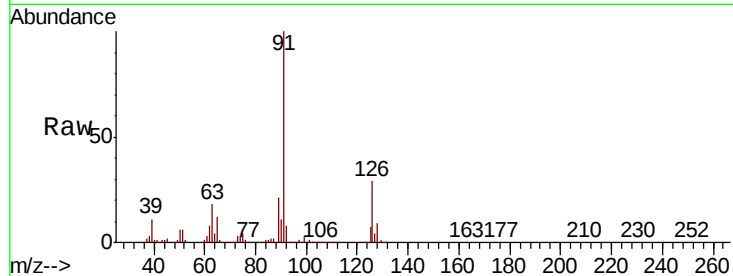
Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.1	64.7
134	20.7	17.0	25.4





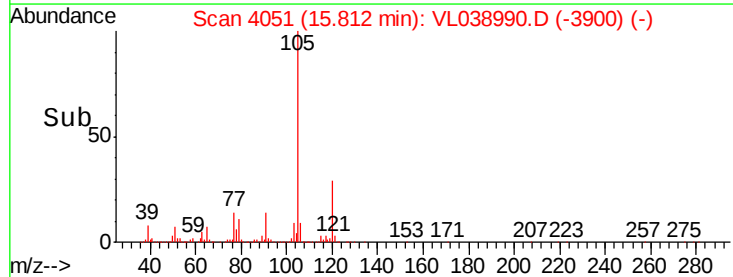
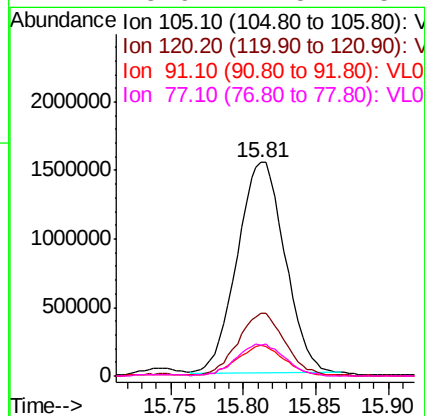
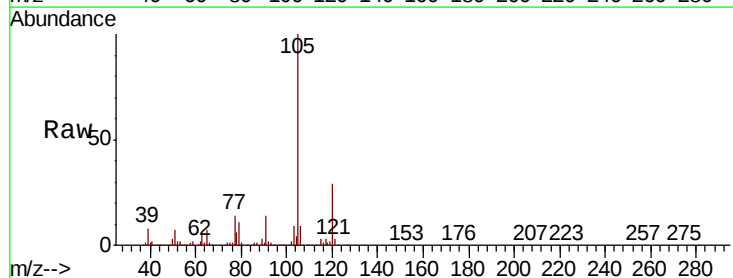
#71
 2-Chlorotoluene
 Concen: 8.408 ppbv
 RT: 15.43
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: VL0509ABS01
 Acq: 9 May 2022 16:25

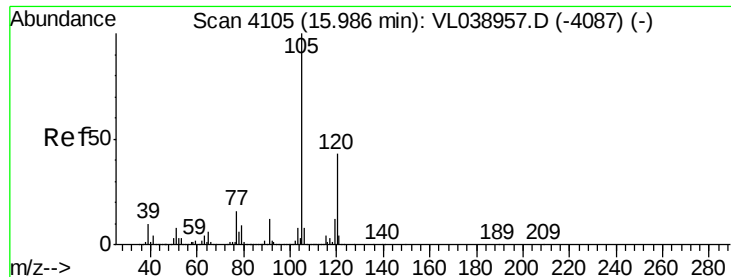
Tot Ion: 91 Resp: 3488362
 Ion Ratio Lower Upper
 91 100
 126 28.5 11.9 47.5



#72
 4-Ethyltoluene
 Concen: 8.448 ppbv
 RT: 15.81 min Scan# 4051
 Delta R.T. -0.02 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

Tgt Ion: 105 Resp: 3542880
 Ion Ratio Lower Upper
 105 100
 120 29.2 23.4 35.0
 91 14.2 10.6 16.0
 77 15.6 12.5 18.7





#73

1,3,5-Trimethylbenzene

Concen: 8.726 ppbv

RT: 15.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

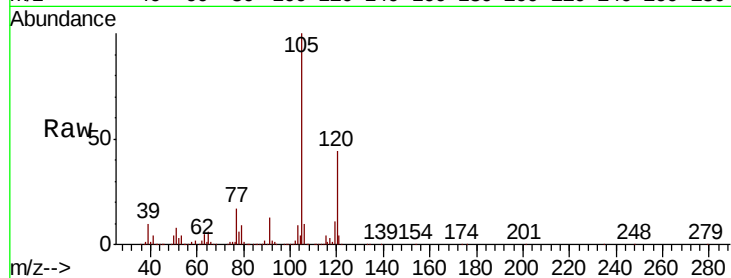
Acq: 9 May 2022 16:25

Tot Ion:105 Resp: 3294379

Ion Ratio Lower Upper

105 100

120 43.8 34.4 51.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

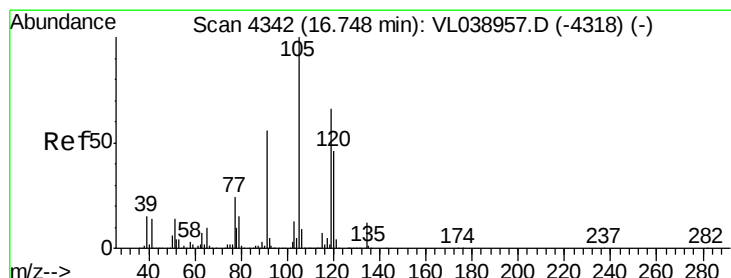
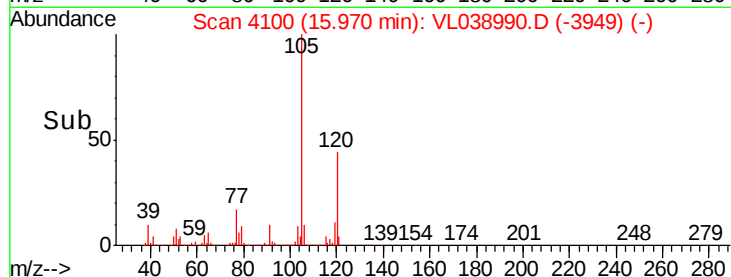
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.561 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL038990.D

Acq: 9 May 2022 16:25

Tgt Ion:105 Resp: 3538811

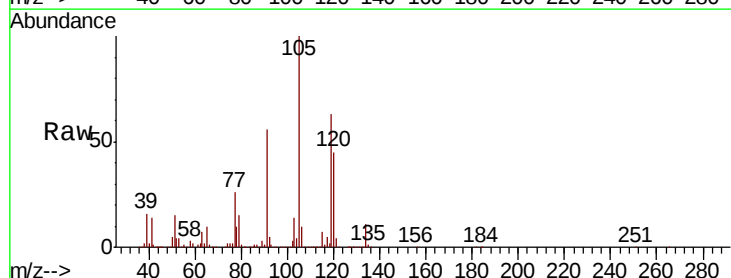
Ion Ratio Lower Upper

105 100

120 45.0 36.9 55.3

91 56.0 45.0 67.4

77 25.4 19.2 28.8



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

2000000

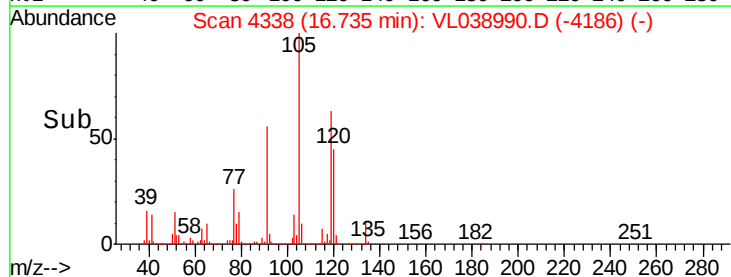
1500000

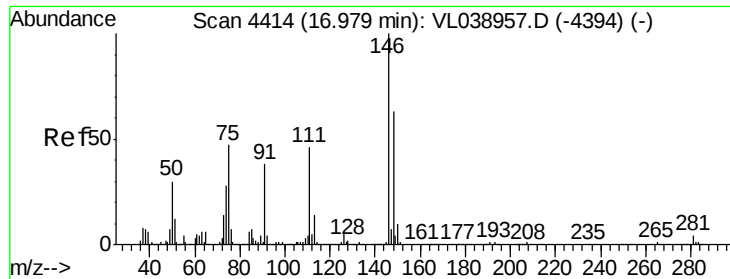
1000000

500000

0

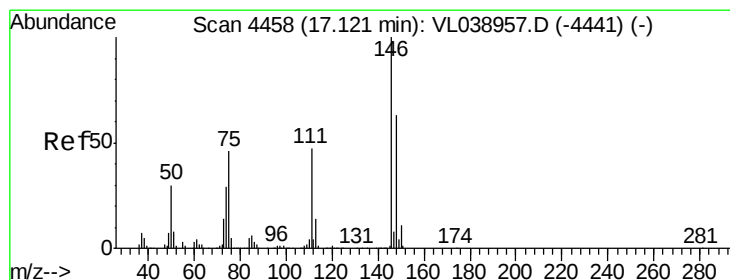
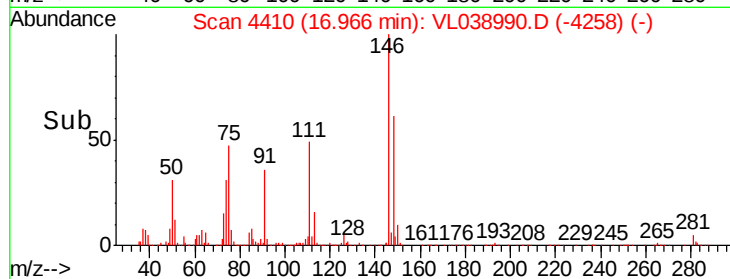
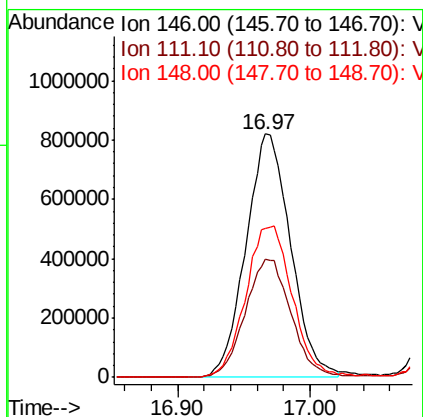
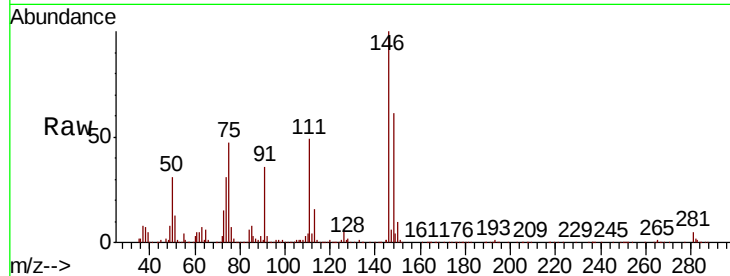
Time-->





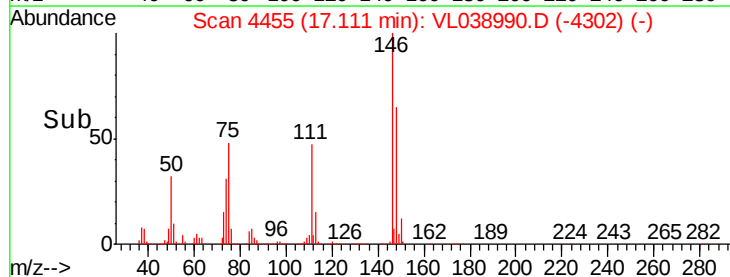
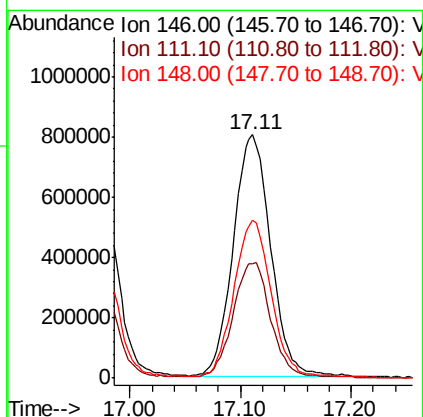
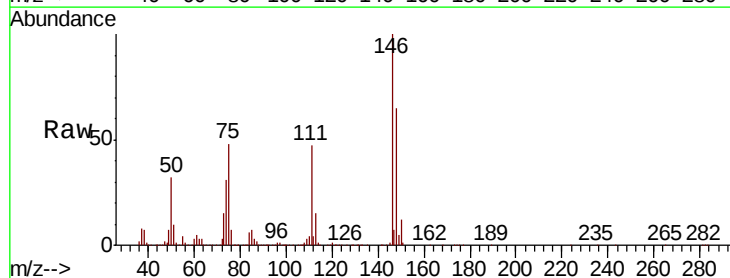
#75
 1,3-Dichlorobenzene
 Concen: 8.486 ppbv
 RT: 16.97 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 9 May 2022 16:25

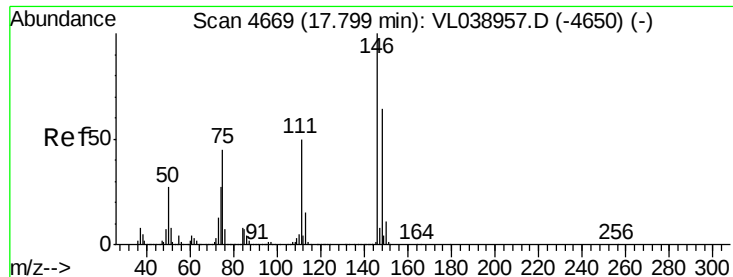
Tot Ion:146 Resp: 1922110
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.1 72.2
 148 65.2 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 8.443 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

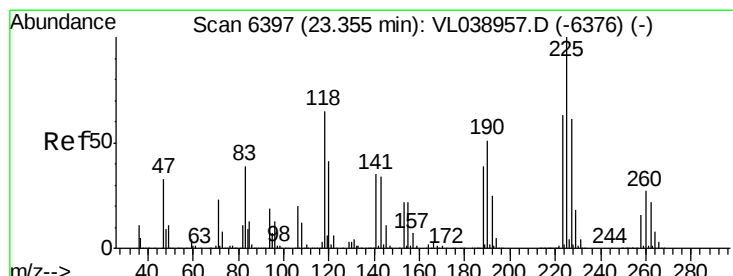
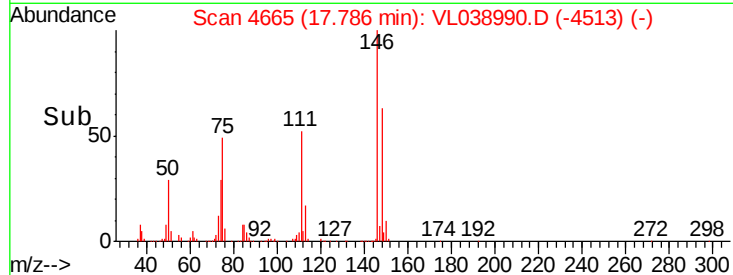
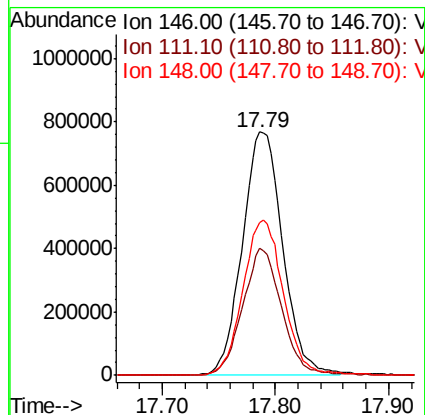
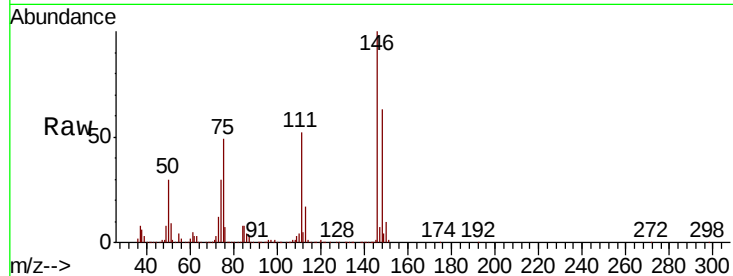
Tgt Ion:146 Resp: 1881150
 Ion Ratio Lower Upper
 146 100
 111 48.8 23.6 71.0
 148 65.9 32.2 96.6





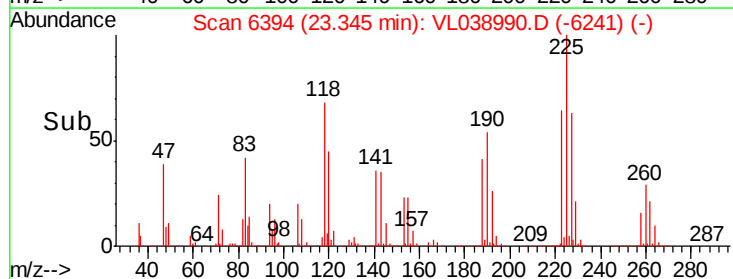
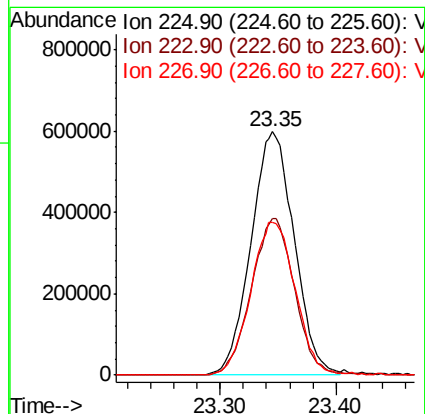
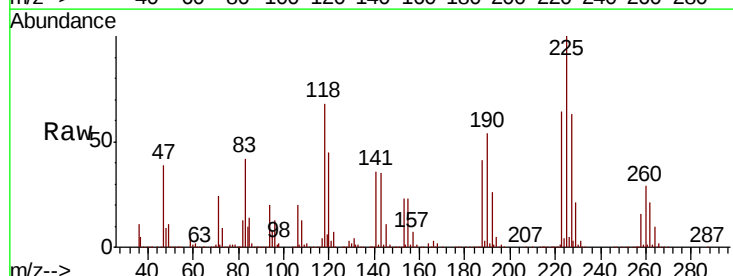
#77
 1,2-Dichlorobenzene
 Concen: 8.495 ppbv
 RT: 17.79 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0509ABS01
 Acq: 9 May 2022 16:25

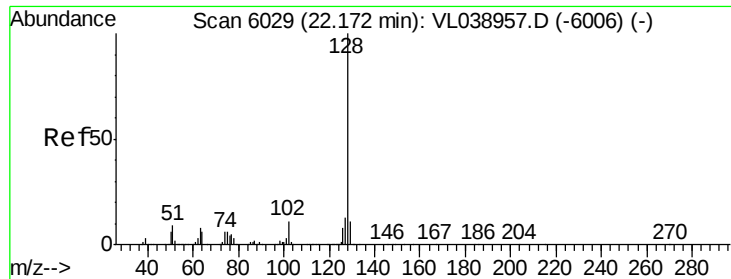
Tot Ion:146 Resp: 1902954
 Ion Ratio Lower Upper
 146 100
 111 50.4 25.3 75.9
 148 63.7 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.528 ppbv
 RT: 23.35 min Scan# 6394
 Delta R.T. -0.01 min
 Lab File: VL038990.D
 Acq: 9 May 2022 16:25

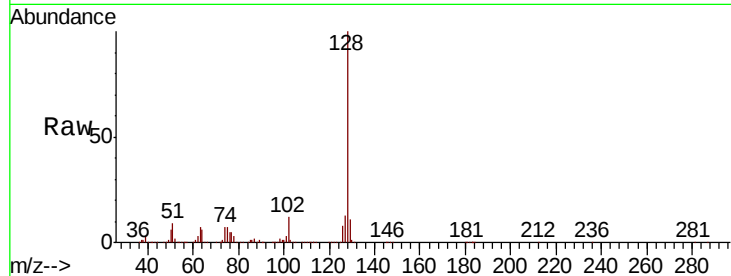
Tgt Ion:225 Resp: 1549756
 Ion Ratio Lower Upper
 225 100
 223 64.9 51.4 77.0
 227 64.6 51.4 77.0



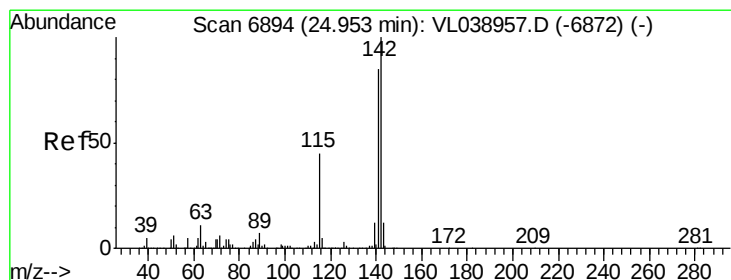
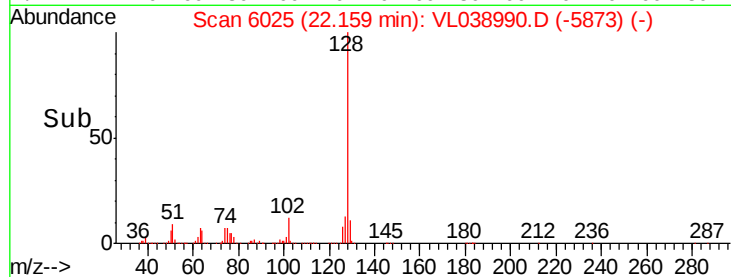
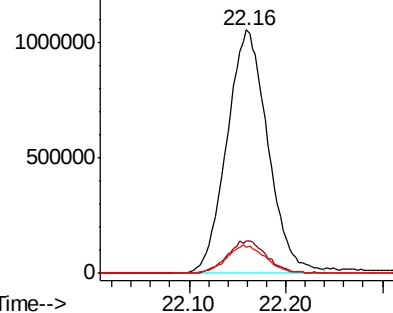


#79
Naphthalene
Concen: 9.243 ppbv
RT: 22.16 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL0509ABS01
Acq: 9 May 2022 16:25

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	10.6	8.9	13.3

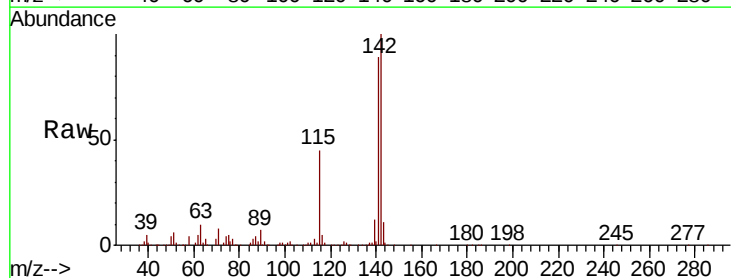


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

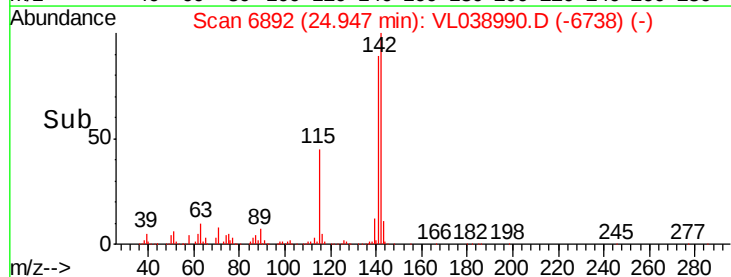
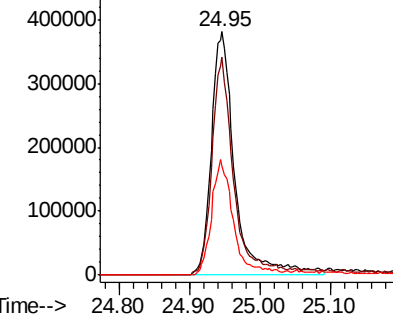


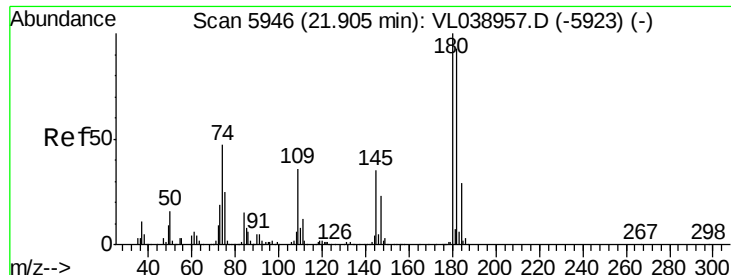
#80
Naphthalene, 2-methyl-
Concen: 8.726 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.01 min
Lab File: VL038990.D
Acq: 9 May 2022 16:25

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.8	106.2
115	44.4	35.1	52.7



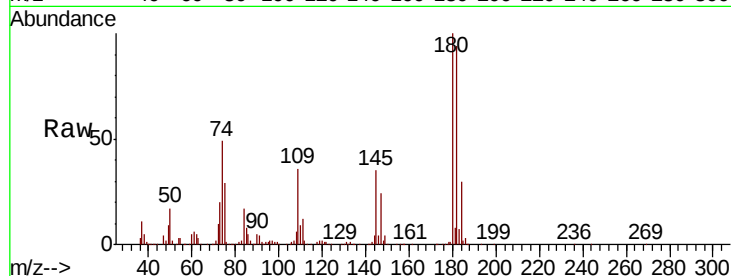
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.511 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0509ABS01
 Acq: 9 May 2022 18:25

Tot Ion:180 Resp: 1674660
 Ion Ratio Lower Upper
 180 100
 182 97.3 78.4 117.6
 184 30.4 24.4 36.6



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

