

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061522\
 Data File : VL039299.D
 Acq On : 15 Jun 2022 16:13
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 16 04:33:27 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1324021	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3690020	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4309348	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2767961	7.77	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1892422	8.137	ppbv	100
3) Chlorodifluoromethane	2.99	51	1465987	8.702	ppbv	98
4) Chloromethane	3.14	50	804607	9.298	ppbv	99
5) Vinyl Chloride	3.25	62	793551	9.810	ppbv	97
6) Bromomethane	3.47	94	341211	8.574	ppbv	95
7) Chloroethane	3.56	64	293571	10.415	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1863491	8.768	ppbv	93
9) Propene	3.01	41	671855	9.146	ppbv	98
10) Heptane	8.11	43	1683551	9.824	ppbv	99
11) Trichlorofluoromethane	3.94	101	1846787	8.773	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1407993	10.114	ppbv	99
13) Ethanol	3.59	45	16004	3.995	ppbv #	100
14) Bromoethene	3.74	108	607934	9.714	ppbv	99
15) Acetone	3.84	43	1383016	10.028	ppbv	96
16) 1,3-Butadiene	3.32	39	774233	10.443	ppbv	95
17) tert-Butyl alcohol	4.27	59	1278578	11.952	ppbv	99
18) 1,1-Dichloroethene	4.29	96	635034	10.169	ppbv	97
19) Isopropyl Alcohol	3.95	45	767830	11.870	ppbv #	98
20) Methylene Chloride	4.34	84	530759	9.132	ppbv	93
21) Allyl Chloride	4.40	41	1010789	10.864	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	630795	10.498	ppbv	98
23) Vinyl Acetate	5.06	43	1190796	10.435	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1442412	9.225	ppbv	98
25) Ethyl Acetate	5.66	43	3010471	9.685	ppbv	99
26) Hexane	5.68	57	1291530	9.454	ppbv	98
27) Carbon Disulfide	4.54	76	1550343	10.950	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1433601	9.506	ppbv	99
29) Chloroform	5.74	83	1976826	8.600	ppbv	96
30) Cyclohexane	7.12	84	1109392	9.667	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1267472	9.100	ppbv	94
32) 1,1,1-Trichloroethane	6.50	97	2064070	9.176	ppbv	100
34) 2-Butanone	5.23	43	1770386	8.831	ppbv	100
35) Carbon Tetrachloride	7.01	117	2130390	7.910	ppbv	98
36) Benzene	6.88	78	2677921	8.939	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1540896	7.816	ppbv	97
38) Trichloroethene	7.83	130	1346368	9.785	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1005597	8.439	ppbv	97
40) 1,4-Dioxane	7.82	88	357562	9.115	ppbv	94
41) Tetrahydrofuran	6.04	42	1029030	8.535	ppbv	99
42) Bromodichloromethane	7.78	83	2240708	8.189	ppbv	99
43) Methyl Methacrylate	8.00	69	1078180	9.240	ppbv	98

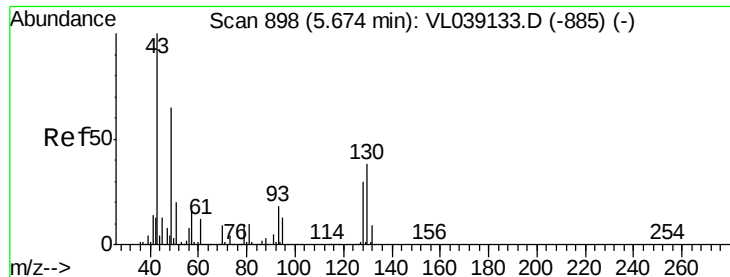
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 VSTDCCC010

Quant Time: Jun 16 04:33:27 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4487191	8.562	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1071029	8.813	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1392498	8.674	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	1091748	8.782	ppbv	98
48) Dibromochloromethane	10.29	129	1931479	8.701	ppbv	98
49) Bromoform	13.03	173	1593807	8.616	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2749515	9.163	ppbv	100
51) 2-Hexanone	10.12	43	2111379	9.042	ppbv #	99
52) Tetrachloroethene	11.21	164	1030331	8.809	ppbv	96
53) Toluene	9.80	91	3186953	9.239	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1466551	8.779	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	1398709	6.859	ppbv #	59
57) Chlorobenzene	12.13	112	2387297	7.363	ppbv	95
58) Ethyl Benzene	12.70	91	4245387	7.152	ppbv	98
59) m/p-Xylene	12.98	91	3751743	7.177	ppbv #	32
60) o-Xylene	13.68	91	3472207	7.069	ppbv	99
61) Styrene	13.51	104	2072978	7.881	ppbv	96
62) Isopropylbenzene	14.65	105	5197100	7.119	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	1739477	6.309	ppbv	99
64) n-propylbenzene	15.55	120	1356255	7.557	ppbv	90
65) tert-Butylbenzene	16.73	119	4733270	7.090	ppbv	96
66) Benzyl Chloride	16.97	91	486983	5.610	ppbv	98
67) sec-Butylbenzene	17.28	105	6469454	7.103	ppbv	98
69) p-Isopropyltoluene	17.64	119	5592726	7.278	ppbv	98
70) n-Butylbenzene	18.53	91	5486216	6.955	ppbv	99
71) 2-Chlorotoluene	15.44	91	3785252	6.799	ppbv	97
72) 4-Ethyltoluene	15.82	105	4220611	7.332	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	3846422	7.408	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	4124970	7.119	ppbv	93
75) 1,3-Dichlorobenzene	16.98	146	2420909	7.381	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2364693	7.226	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2387583	7.223	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1779672	5.888	ppbv	99
79) Naphthalene	22.17	128	3505671	7.859	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	1128153	6.808	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2043062	7.230	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 15 Jun 2022 16:13 VSTDCCC010

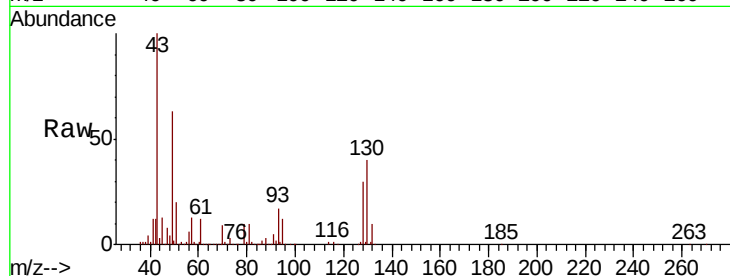
Tot Ion: 49 Resp: 1324021

Ion Ratio Lower Upper

49 100

128 52.7 24.7 74.1

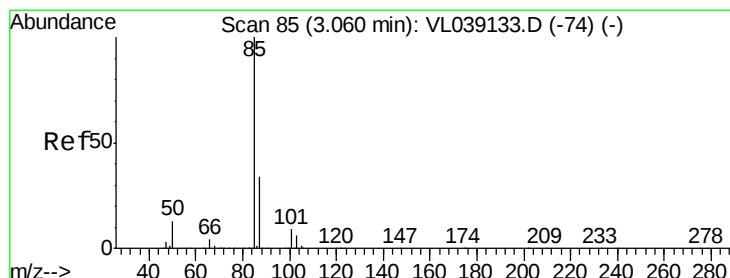
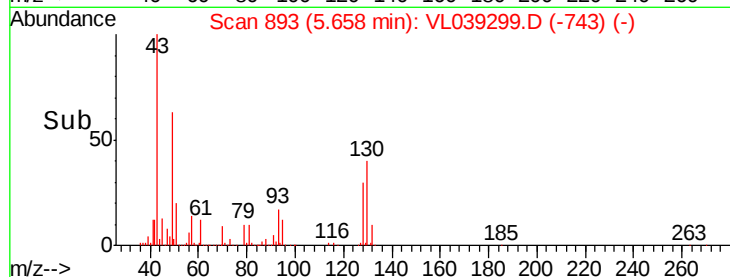
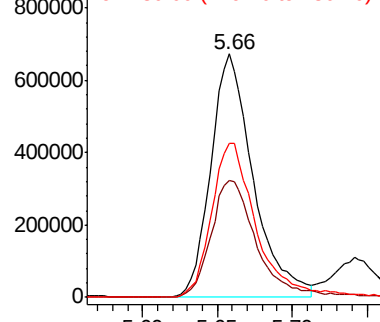
130 67.9 31.4 94.0



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: 8.137 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.02 min

Lab File: VL039299.D

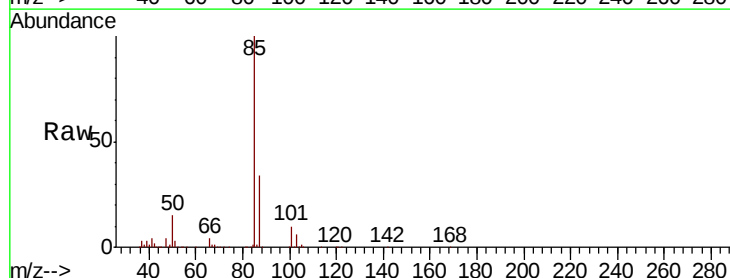
Acq: 15 Jun 2022 16:13

Tgt Ion: 85 Resp: 1892422

Ion Ratio Lower Upper

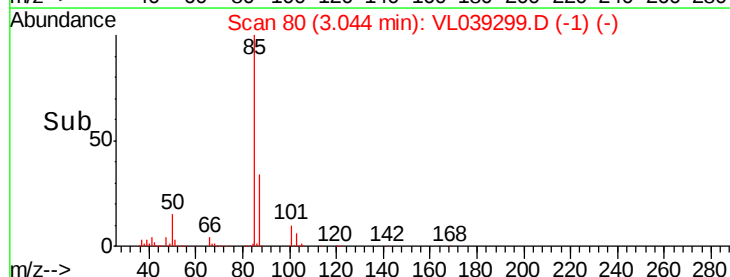
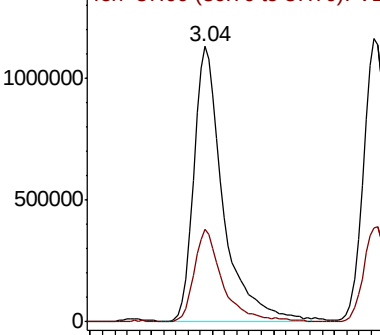
85 100

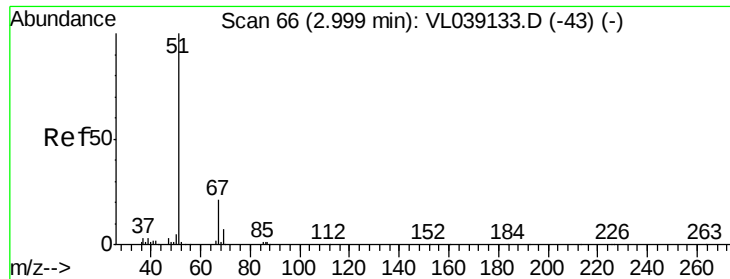
87 33.5 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

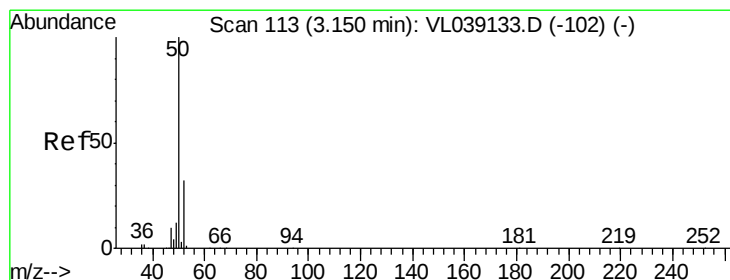
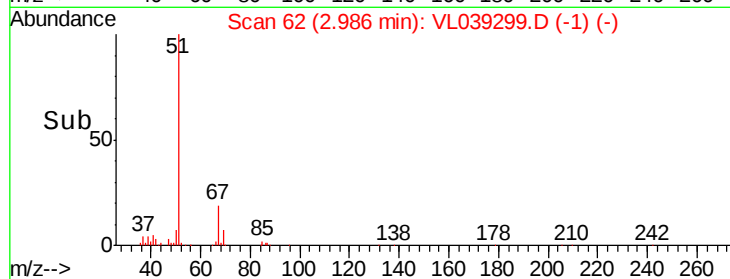
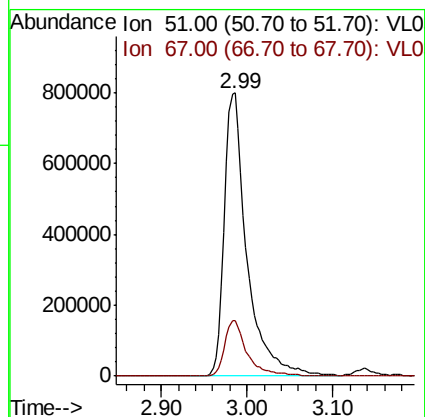
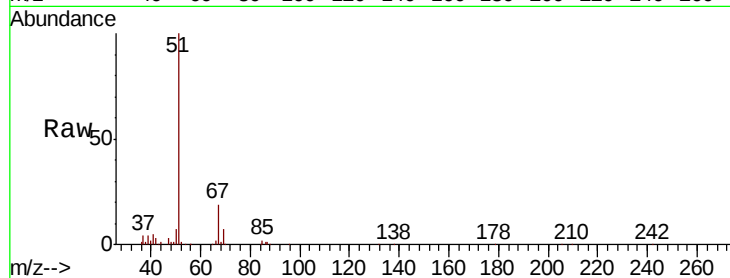
Ion 87.00 (86.70 to 87.70): VL0





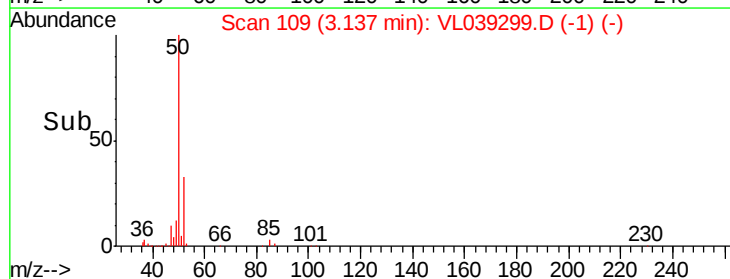
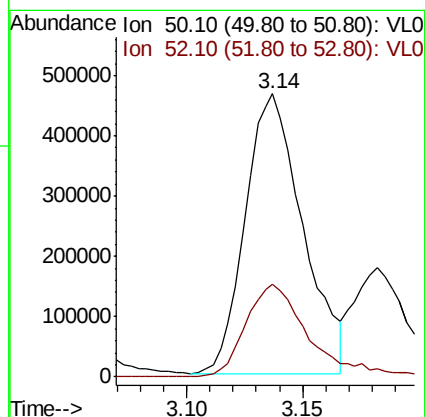
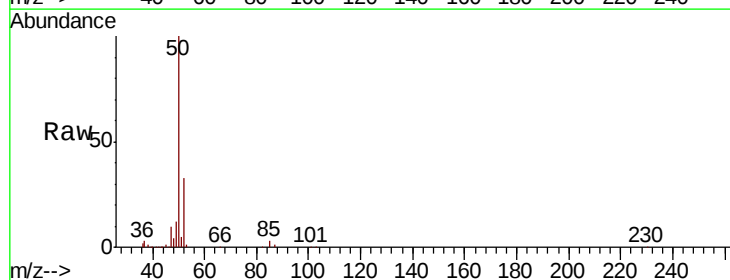
#3
 Chlorodifluoromethane
 Concen: 8.702 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

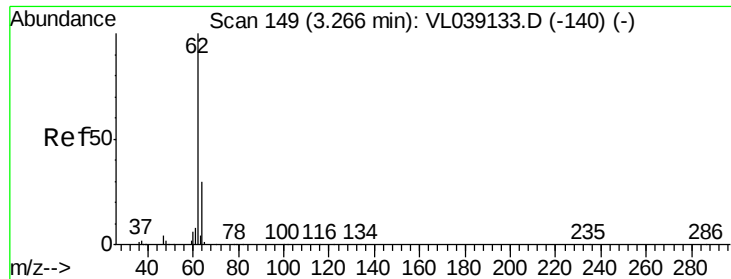
Tot Ion: 51 Resp: 1465987
 Ion Ratio Lower Upper
 51 100
 67 19.6 16.2 24.4



#4
 Chloromethane
 Concen: 9.298 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. -0.01 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

Tgt Ion: 50 Resp: 804607
 Ion Ratio Lower Upper
 50 100
 52 33.0 25.9 38.9





#5

Vinyl Chloride

Concen: 9.810 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

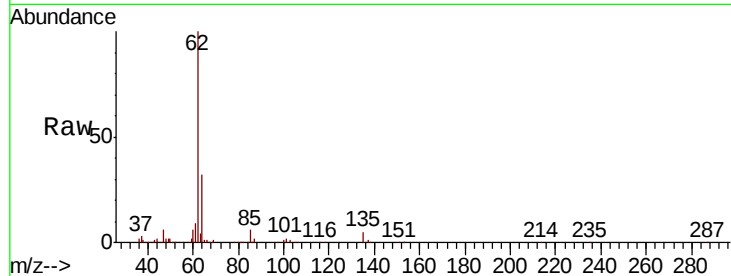
Acq: 15 Jun 2022 16:13 VSTDCCC010

Tot Ion: 62 Resp: 793551

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

300000

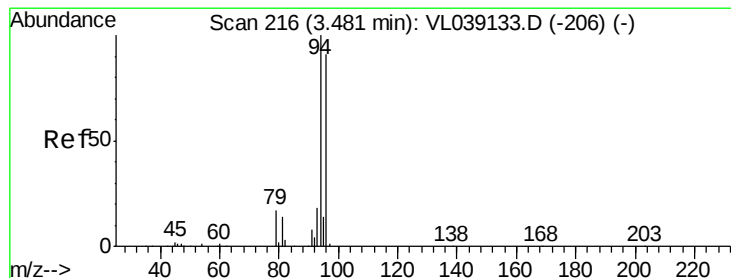
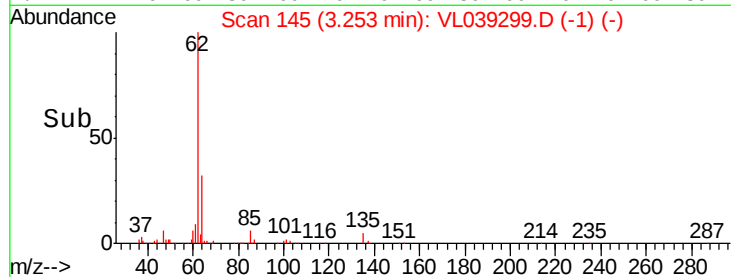
200000

100000

0

Time-->

3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 8.574 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.01 min

Lab File: VL039299.D

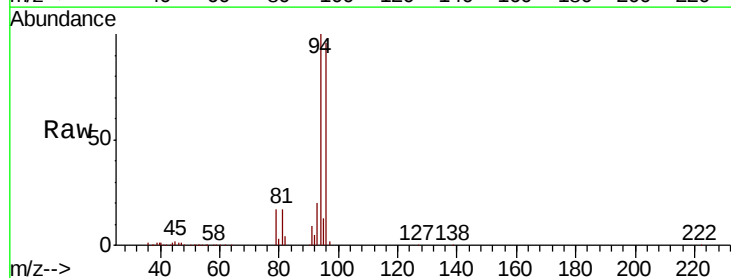
Acq: 15 Jun 2022 16:13

Tgt Ion: 94 Resp: 341211

Ion Ratio Lower Upper

94 100

96 96.3 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

200000

150000

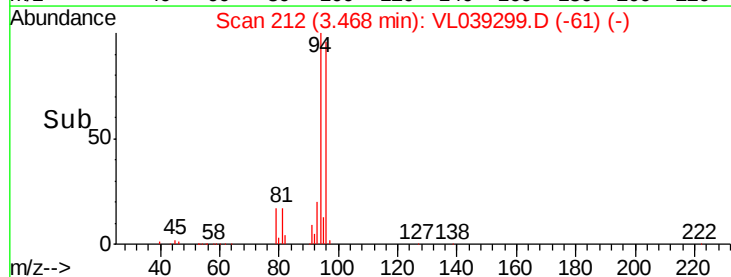
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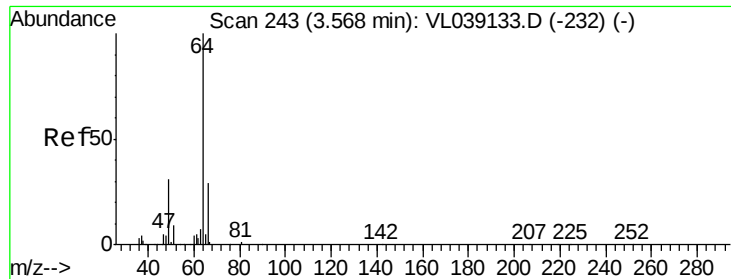
50000

0

Time-->

3.40 3.45 3.50





#7

Chloroethane

Concen: 10.415 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

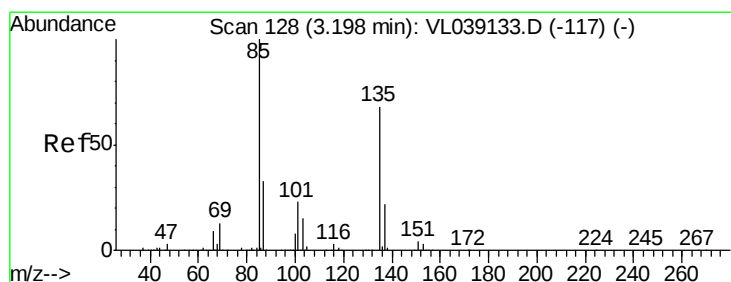
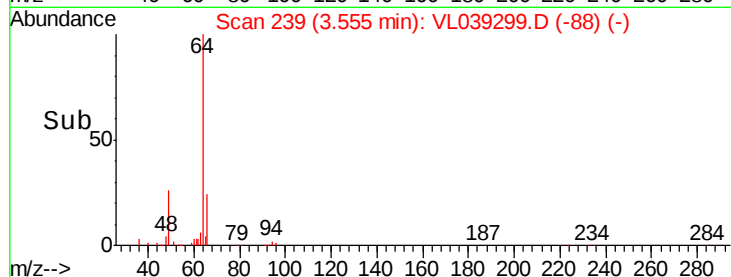
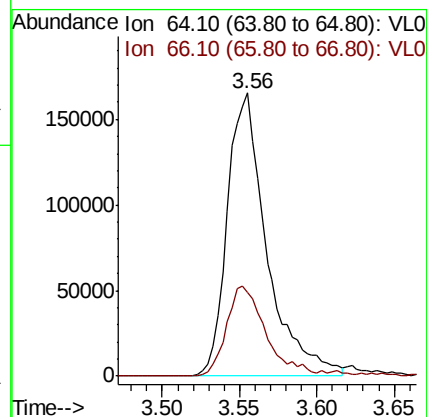
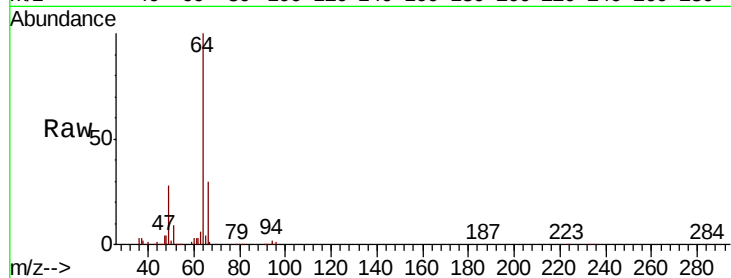
Acq: 15 Jun 2022 16:13

Tot Ion: 64 Resp: 293571

Ion Ratio Lower Upper

64 100

66 29.8 23.6 35.4



#8

Dichlorotetrafluoroethane

Concen: 8.768 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.02 min

Lab File: VL039299.D

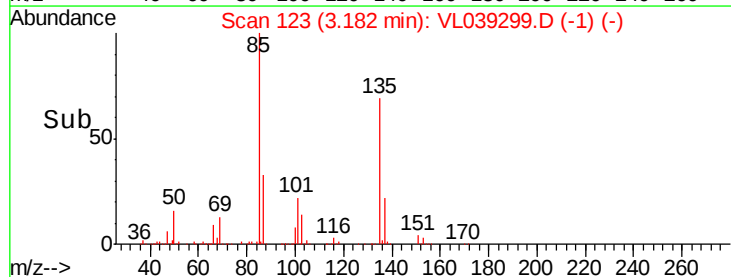
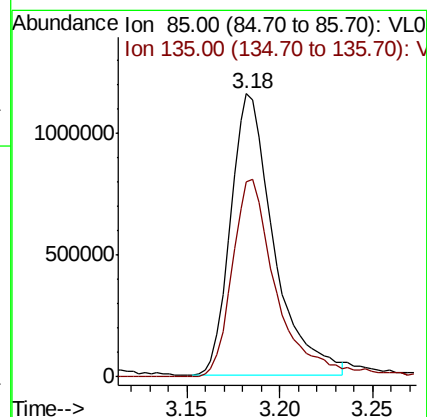
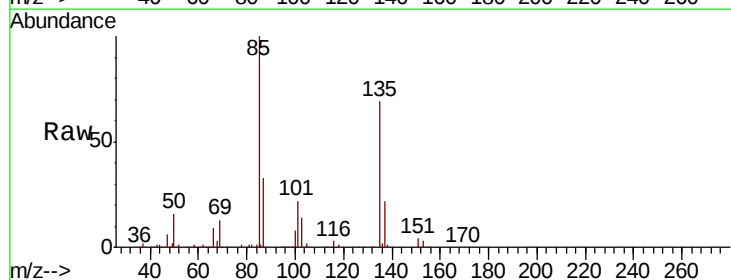
Acq: 15 Jun 2022 16:13

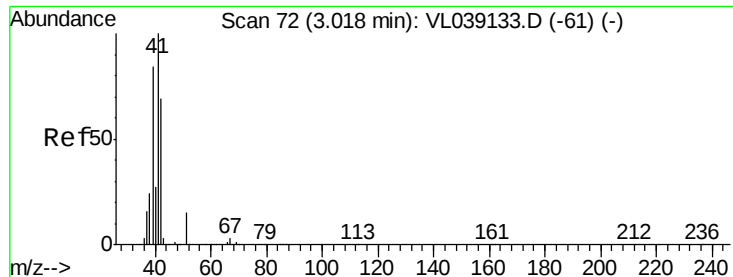
Tgt Ion: 85 Resp: 1863491

Ion Ratio Lower Upper

85 100

135 74.3 55.0 82.4





#9

Propene

Concen: 9.146 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. -0.02 min

Lab File: ClientSampleId: VSTDCCC010

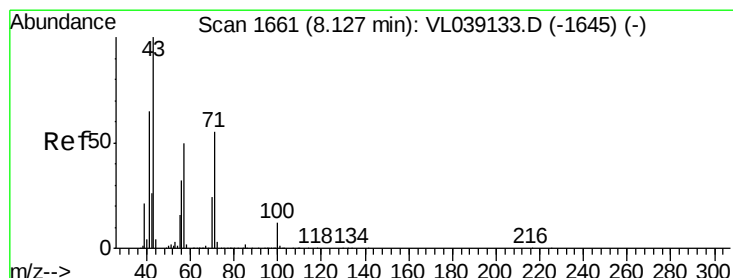
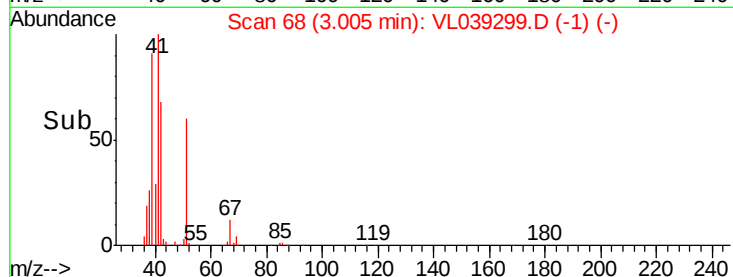
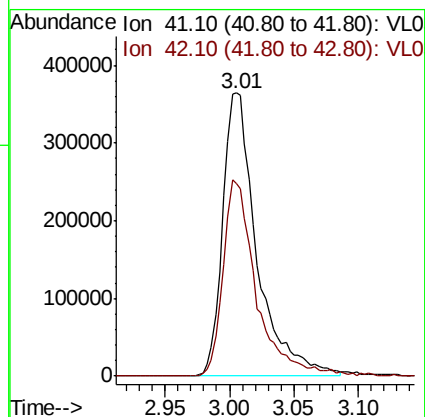
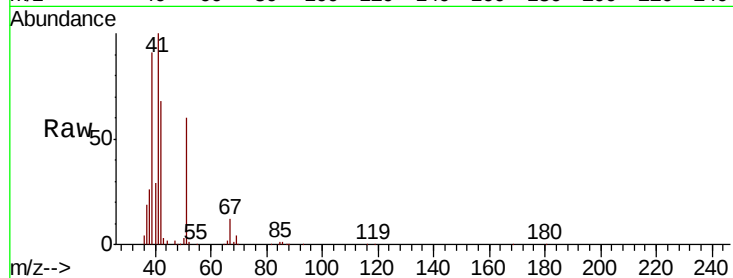
Acq: 15 Jun 2022 16:13

Tot Ion: 41 Resp: 671855

Ion Ratio Lower Upper

41 100

42 68.0 55.4 83.2



#10

Heptane

Concen: 9.824 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL039299.D

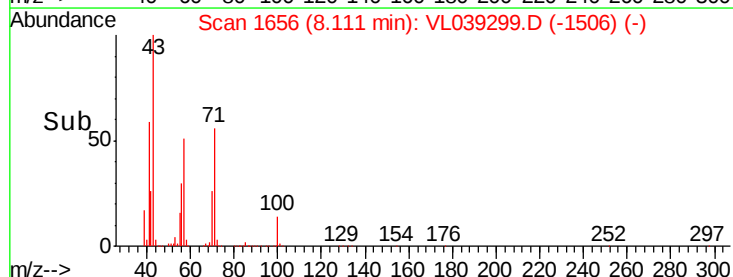
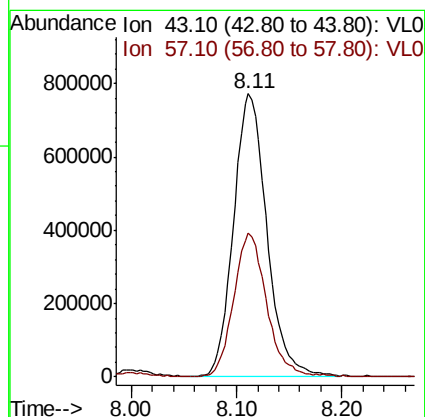
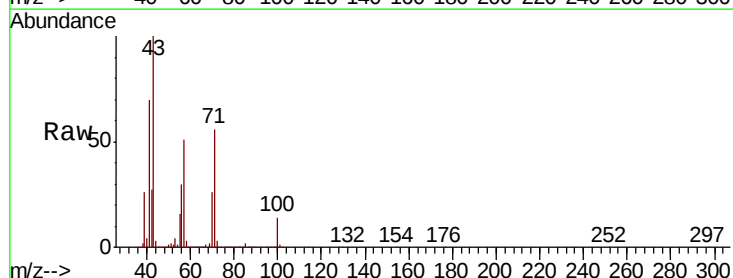
Acq: 15 Jun 2022 16:13

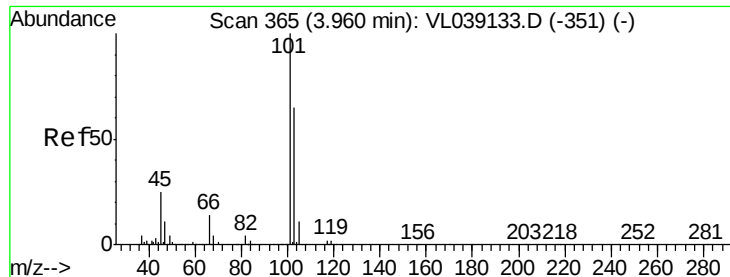
Tgt Ion: 43 Resp: 1683551

Ion Ratio Lower Upper

43 100

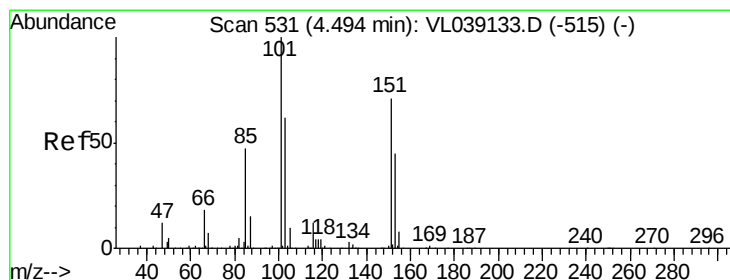
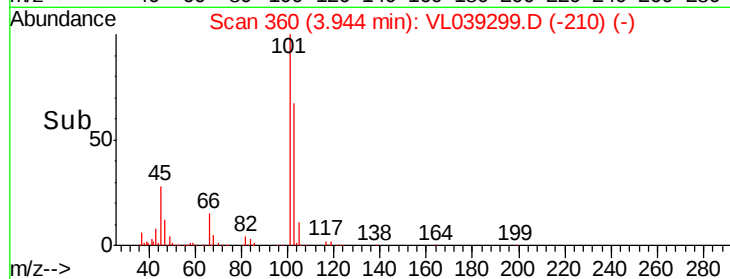
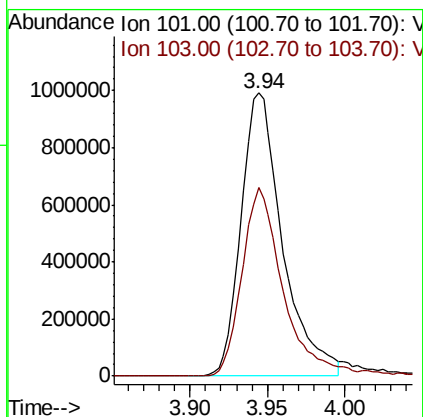
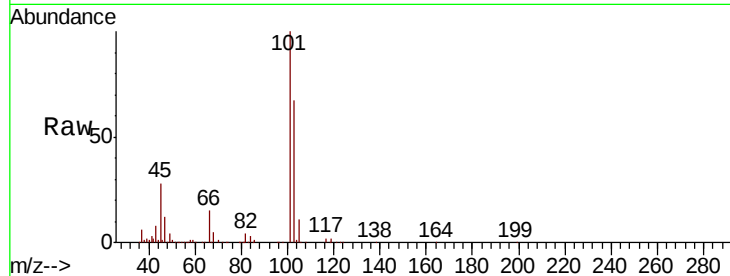
57 50.8 41.4 62.2





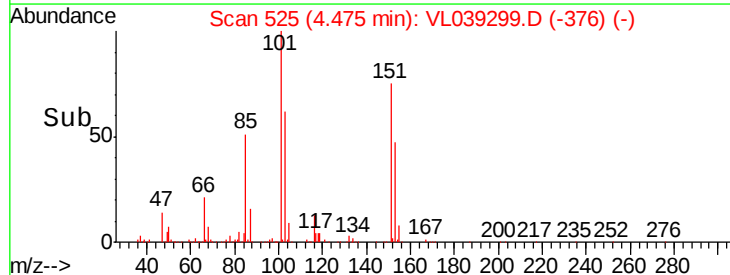
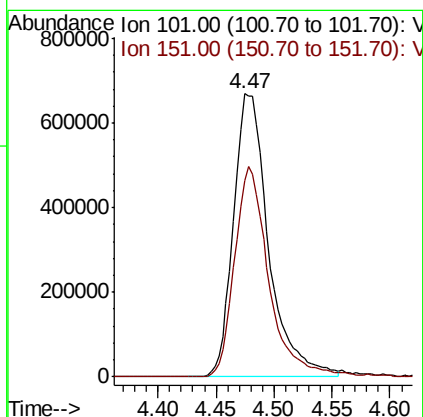
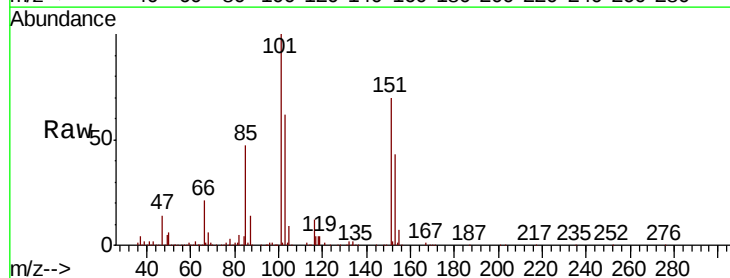
#11
 Trichlorofluoromethane
 Concen: 8.773 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

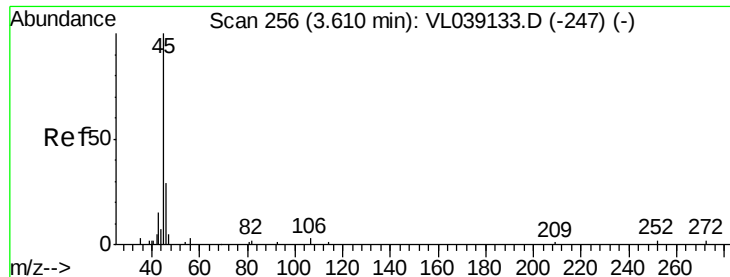
Tot Ion:101 Resp: 1846787
 Ion Ratio Lower Upper
 101 100
 103 66.7 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.114 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

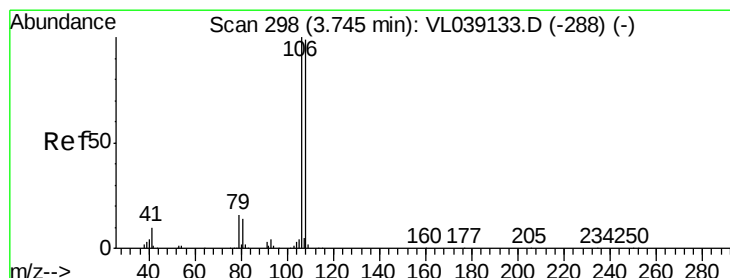
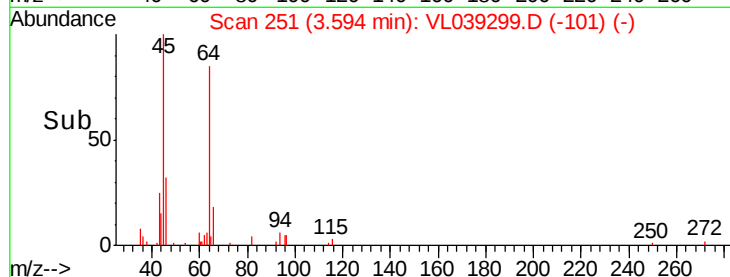
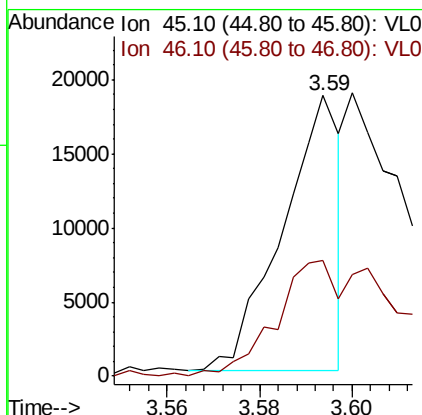
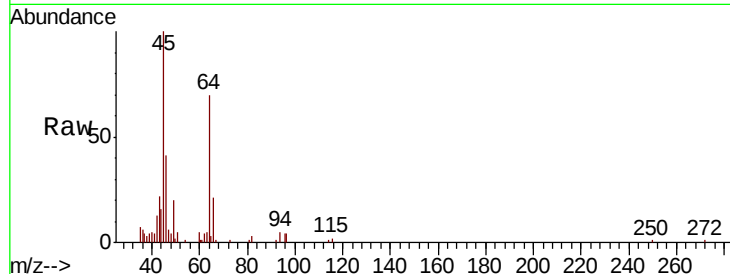
Tgt Ion:101 Resp: 1407993
 Ion Ratio Lower Upper
 101 100
 151 73.1 59.4 89.0





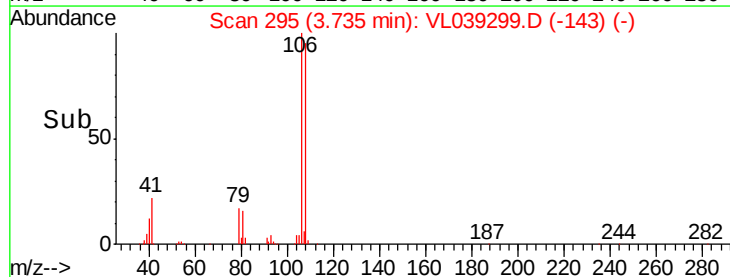
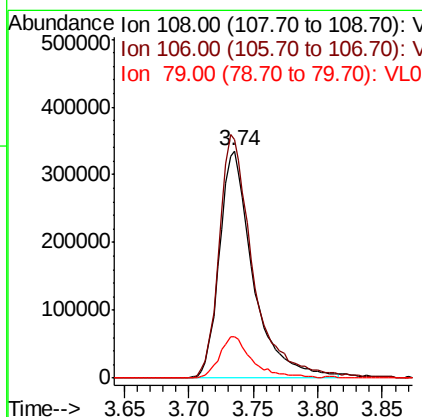
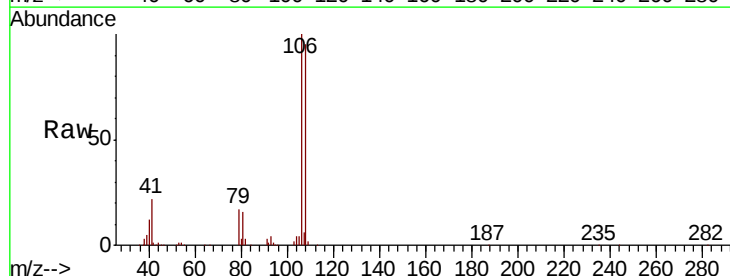
#13
Ethanol
Concen: 3.995 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010
Acq: 15 Jun 2022 16:13

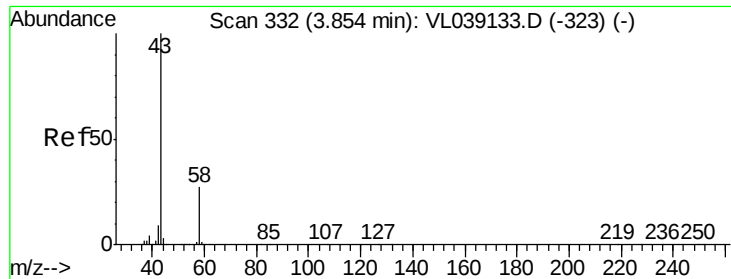
Tot Ion: 45 Resp: 16004
Ion Ratio Lower Upper
45 100
46 120.6 0.0 0.0#



#14
Bromoethene
Concen: 9.714 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL039299.D
Acq: 15 Jun 2022 16:13

Tgt Ion:108 Resp: 607934
Ion Ratio Lower Upper
108 100
106 109.3 88.4 132.6
79 18.4 13.4 20.2





#15

Acetone

Concen: 10.028 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

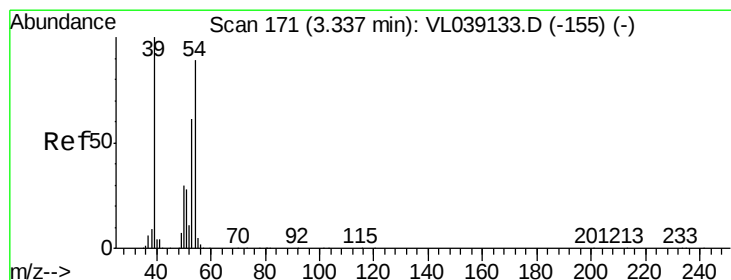
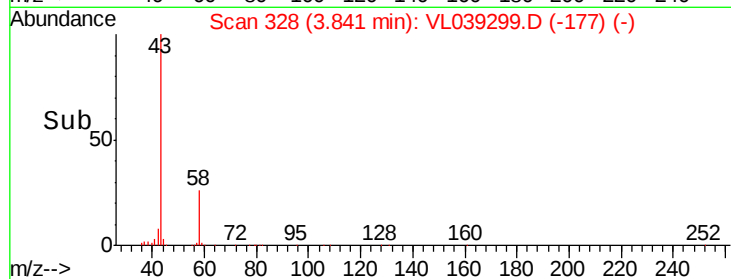
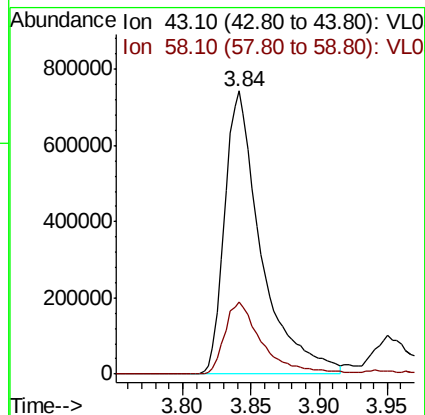
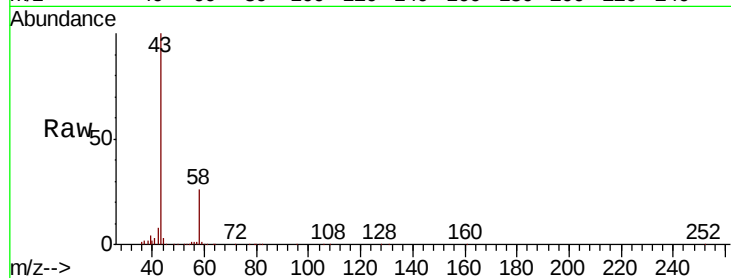
Acq: 15 Jun 2022 16:13 VSTDCCC010

Tot Ion: 43 Resp: 1383016

Ion Ratio Lower Upper

43 100

58 26.2 22.5 33.7



#16

1,3-Butadiene

Concen: 10.443 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.02 min

Lab File: VL039299.D

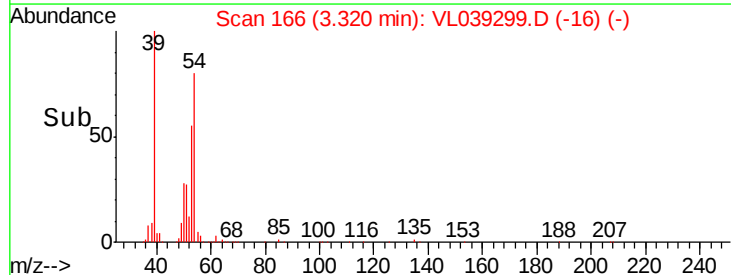
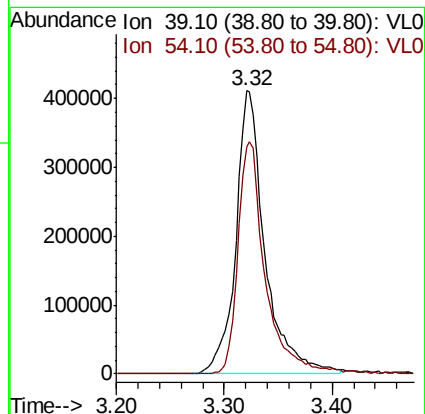
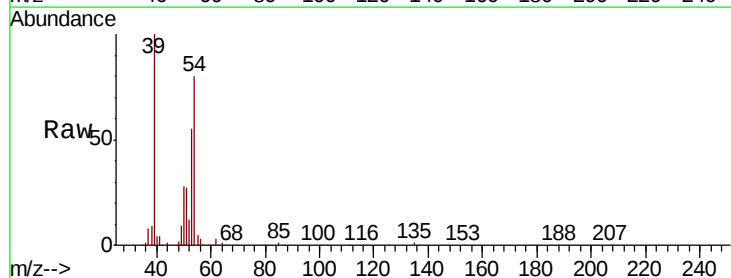
Acq: 15 Jun 2022 16:13

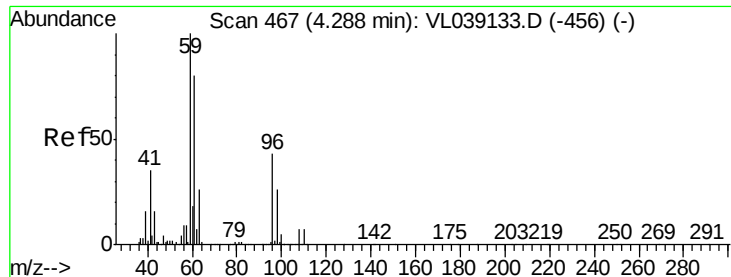
Tgt Ion: 39 Resp: 774233

Ion Ratio Lower Upper

39 100

54 78.0 65.8 98.6





#17

tert-Butyl alcohol

Concen: 11.952 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

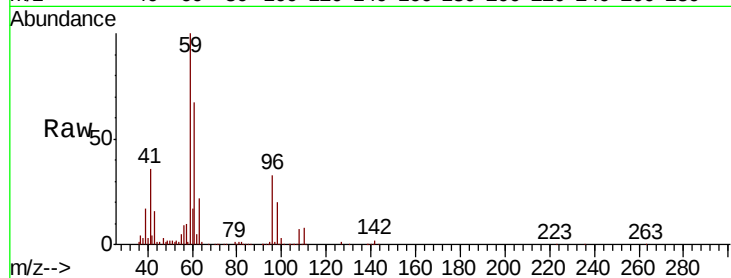
Acq: 15 Jun 2022 16:13 VSTDCCC010

Tot Ion: 59 Resp: 1278578

Ion Ratio Lower Upper

59 100

57 10.9 9.1 13.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

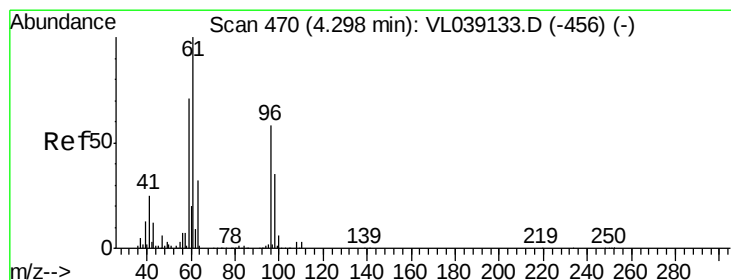
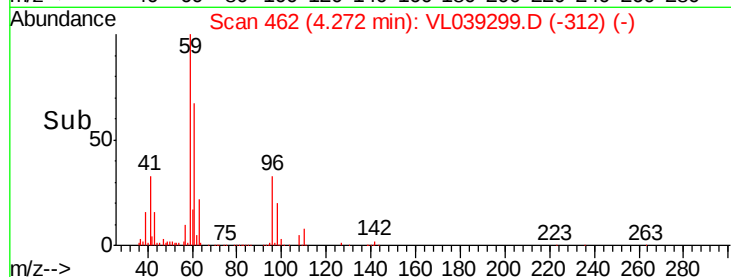
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.169 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.01 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

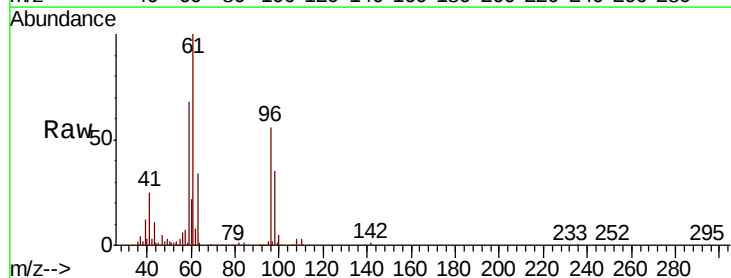
Tgt Ion: 96 Resp: 635034

Ion Ratio Lower Upper

96 100

61 177.4 138.4 207.6

98 61.9 47.8 71.8



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

800000

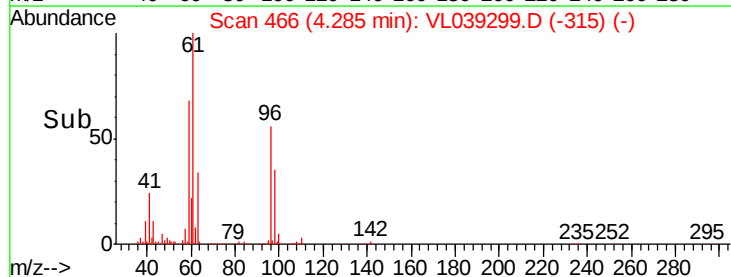
600000

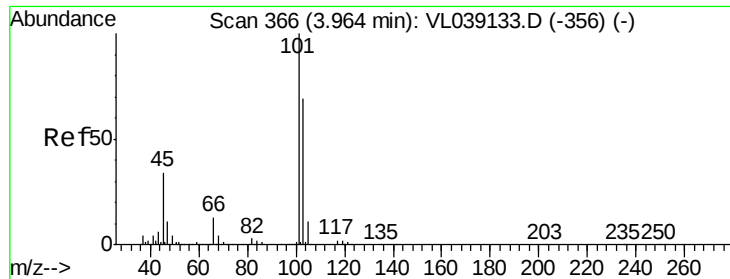
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 11.870 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

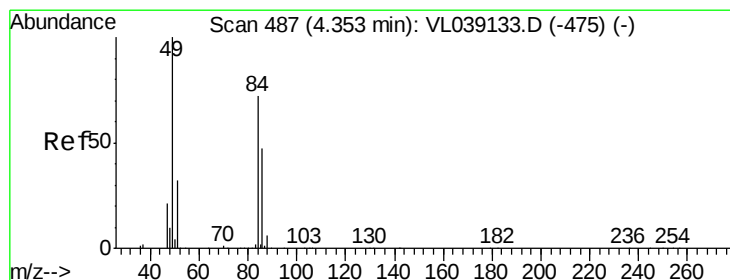
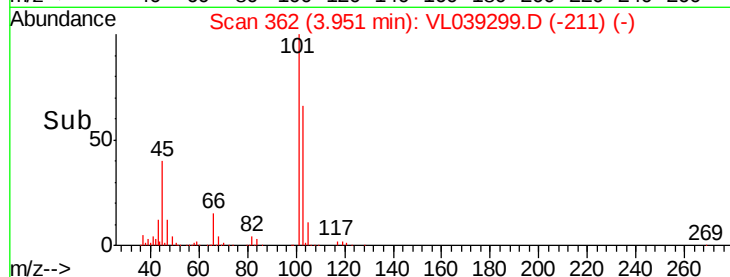
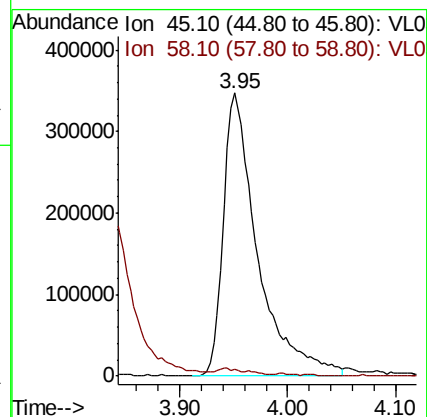
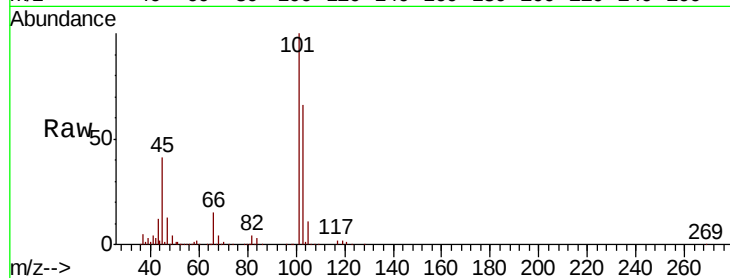
Acq: 15 Jun 2022 16:13

Tot Ion: 45 Resp: 767830

Ion Ratio Lower Upper

45 100

58 3.0 1.8 2.8#



#20

Methylene Chloride

Concen: 9.132 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.02 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

Tgt Ion: 84 Resp: 530759

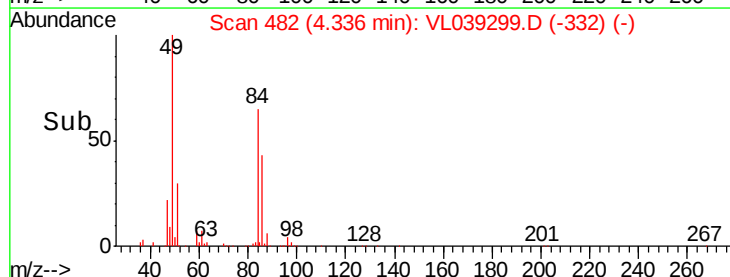
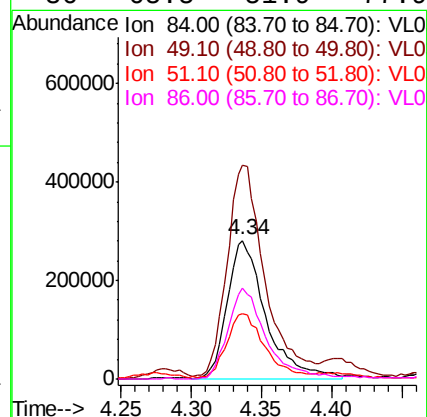
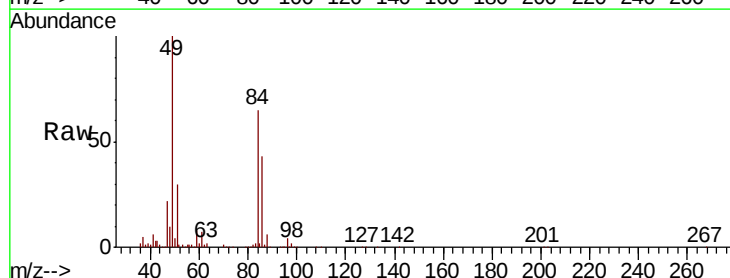
Ion Ratio Lower Upper

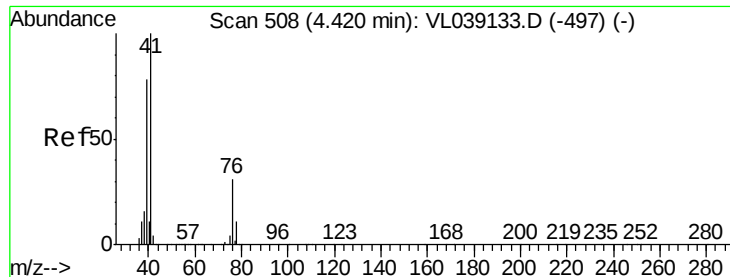
84 100

49 152.2 111.1 166.7

51 45.1 35.3 52.9

86 65.5 51.9 77.9





#21

Allvl Chloride

Concen: 10.864 ppbv

RT: 4.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Jun 2022 16:13 VSTDCCC010

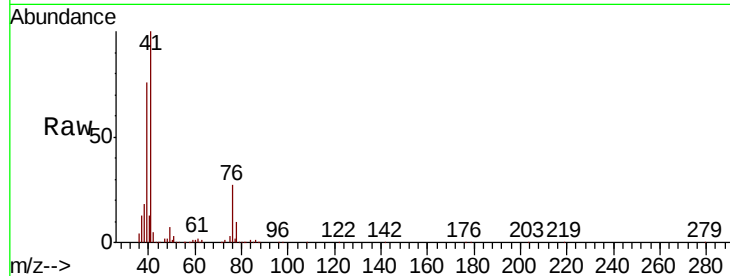
Tot Ion: 41 Resp: 1010789

Ion Ratio Lower Upper

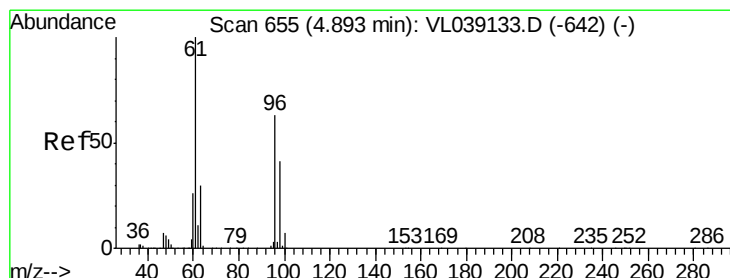
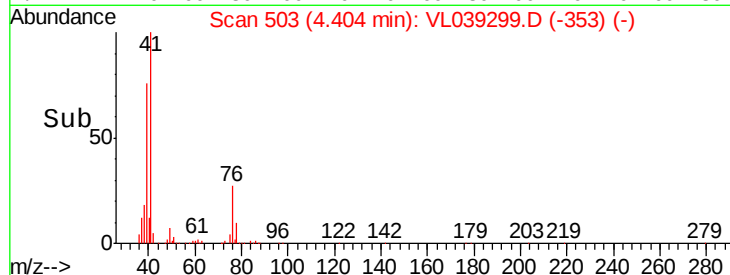
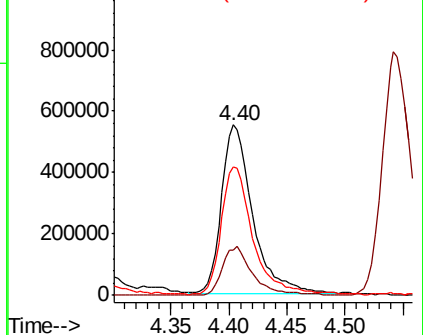
41 100

76 28.8 24.2 36.2

39 78.0 62.2 93.2



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: 10.498 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

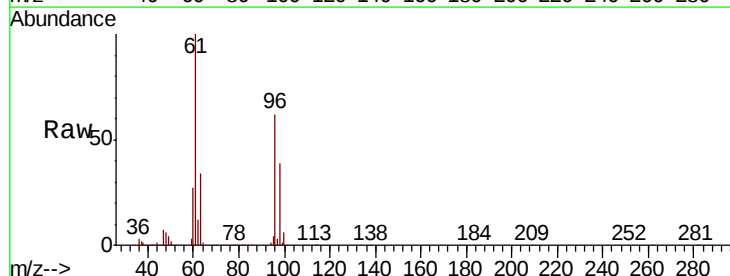
Tgt Ion: 96 Resp: 630795

Ion Ratio Lower Upper

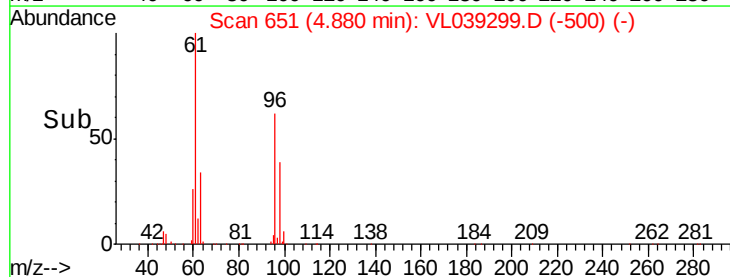
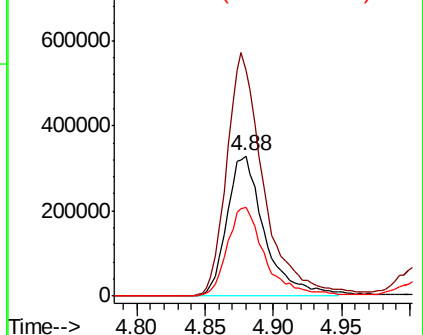
96 100

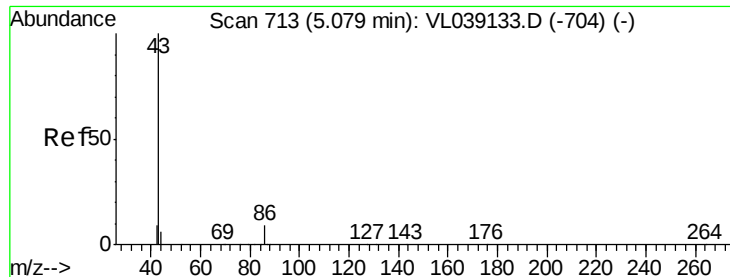
61 161.0 126.6 190.0

98 63.0 52.5 78.7



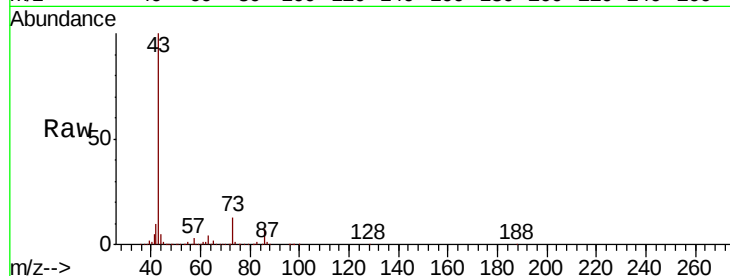
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23
 Vinyl Acetate
 Concen: 10.435 ppbv
 RT: 5.06
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

Tot Ion:	43	Resp:	1190796
Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.0	9.0
42	9.8	8.2	12.4
44	4.7	4.3	6.5



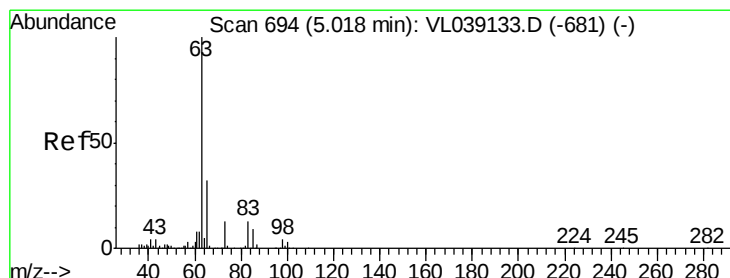
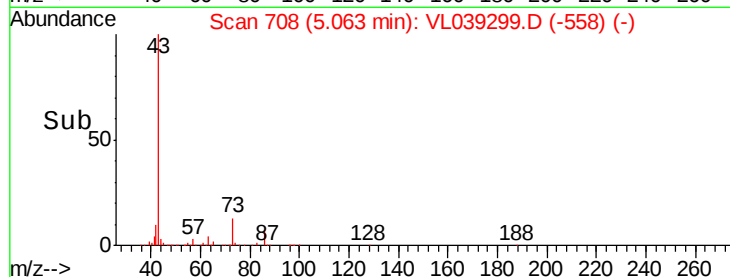
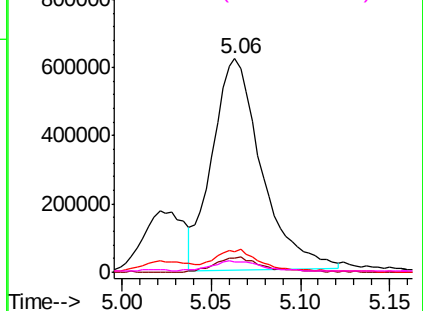
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

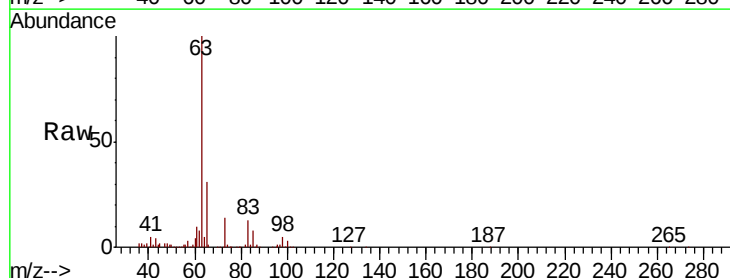
Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24
 1,1-Dichloroethane
 Concen: 9.225 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T.: -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

Tgt Ion:	63	Resp:	1442412
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.2
100	2.5	1.5	4.5

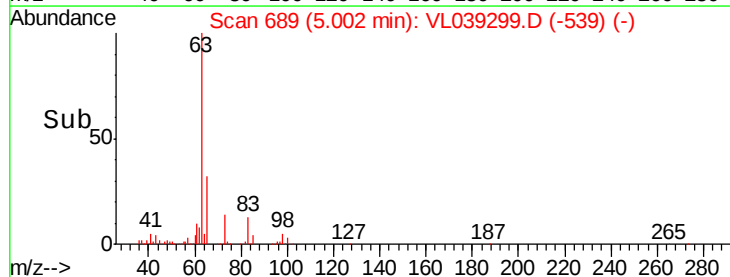
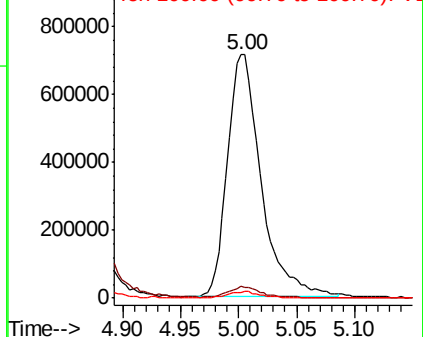


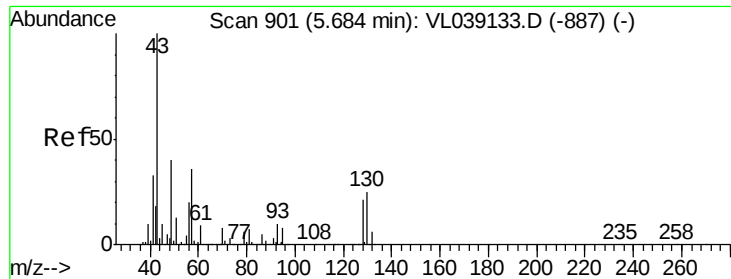
Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

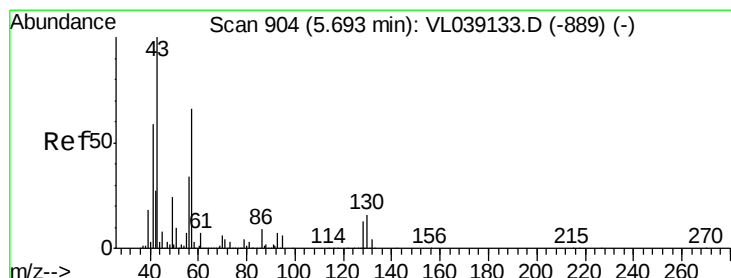
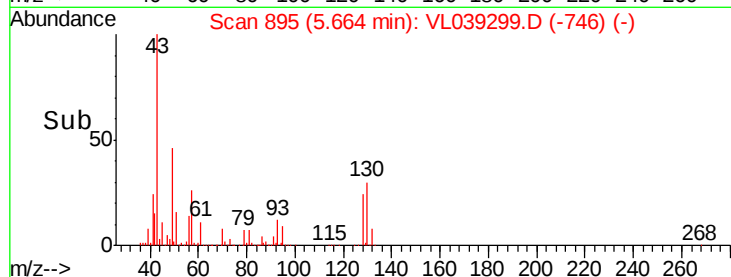
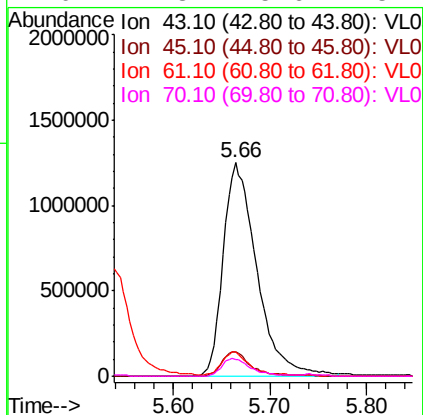
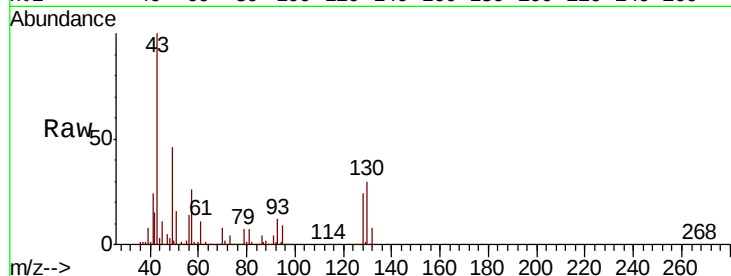
Ion 100.00 (99.70 to 100.70): VL0





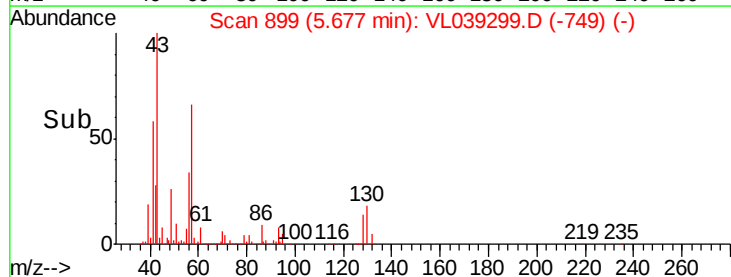
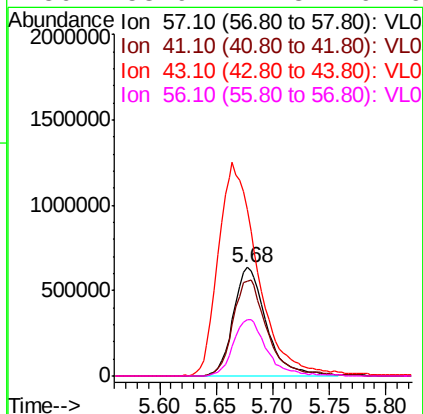
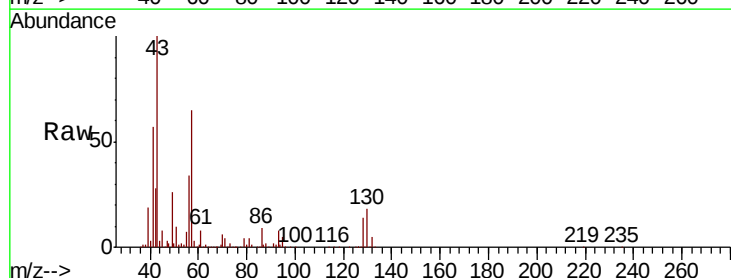
#25
Ethyl Acetate
Concen: 9.685 ppbv
RT: 5.66
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 16:13

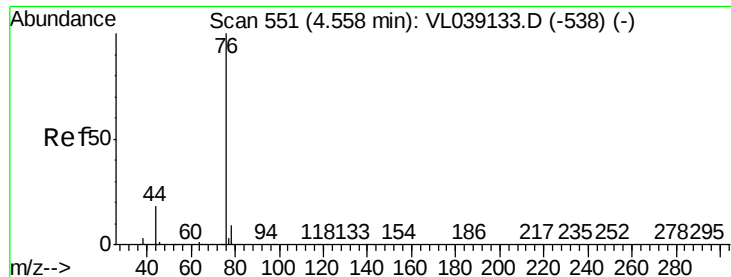
Tot Ion:	43	Resp:	3010471
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	10.1	8.4	12.6
70	7.3	5.6	8.4



#26
Hexane
Concen: 9.454 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL039299.D
Acq: 15 Jun 2022 16:13

Tgt Ion:	57	Resp:	1291530
Ion	Ratio	Lower	Upper
57	100		
41	92.9	72.4	108.6
43	236.5	187.0	280.6
56	53.9	41.8	62.6





#27

Carbon Disulfide

Concen: 10.950 ppbv

RT: 4.54 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 15 Jun 2022 16:13 VSTDCCC010

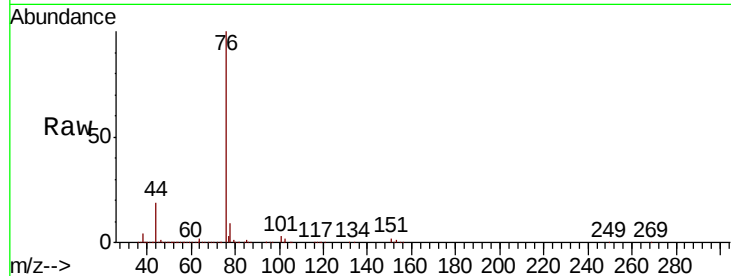
Tot Ion: 76 Resp: 1550343

Ion Ratio Lower Upper

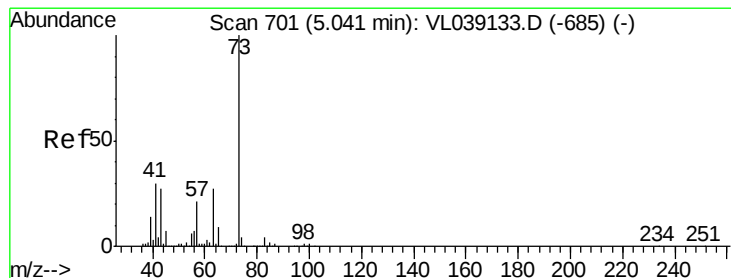
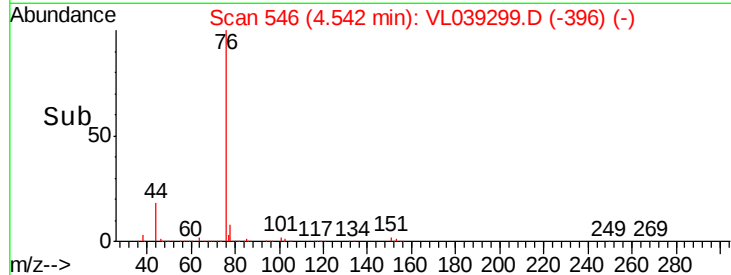
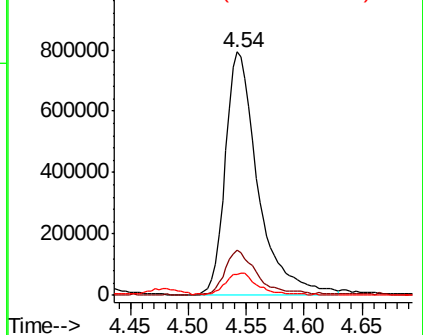
76 100

44 18.3 14.4 21.6

78 9.8 7.7 11.5



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: 9.506 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL039299.D

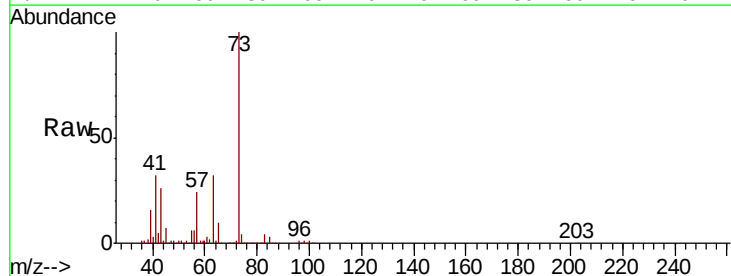
Acq: 15 Jun 2022 16:13

Tgt Ion: 73 Resp: 1433601

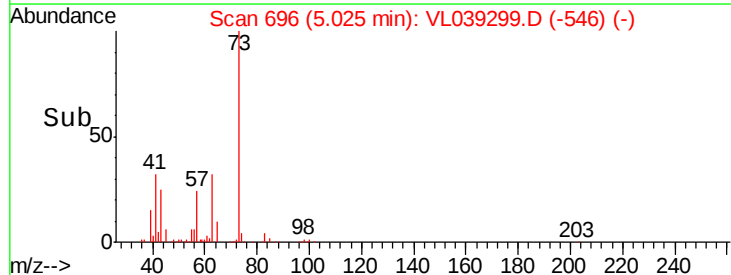
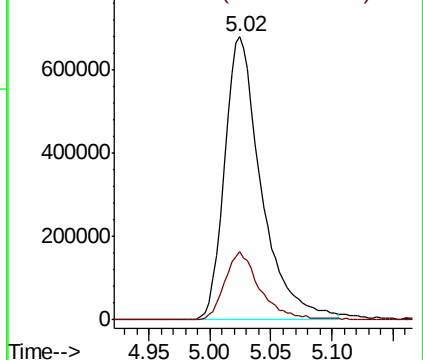
Ion Ratio Lower Upper

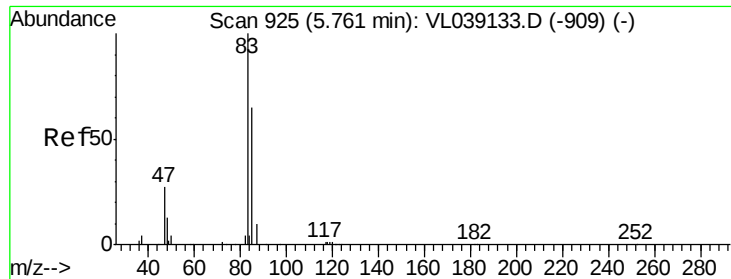
73 100

57 23.6 18.6 27.8



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





#29

Chloroform

Concen: 8.600 ppbv

RT: 5.74 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

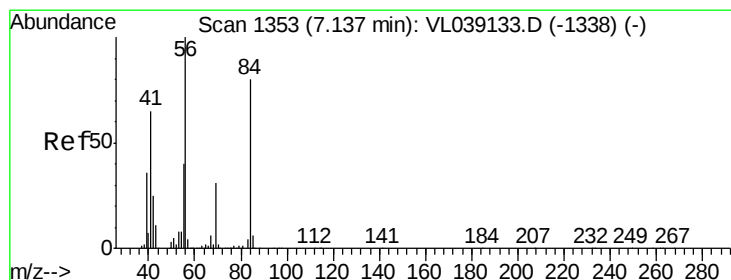
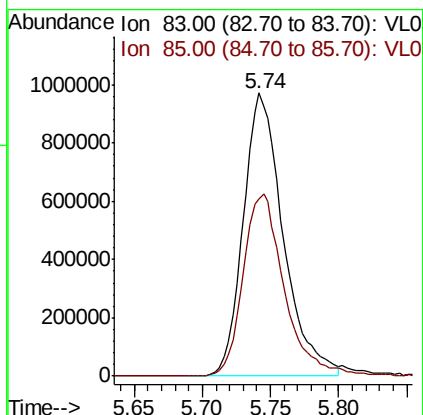
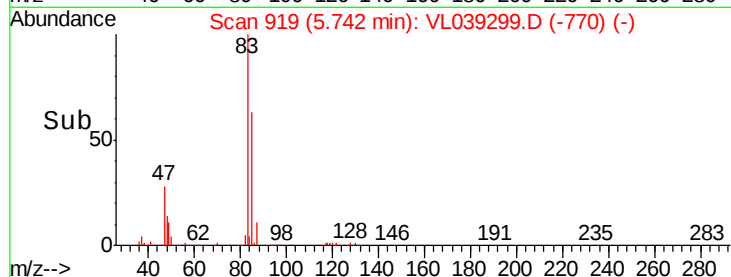
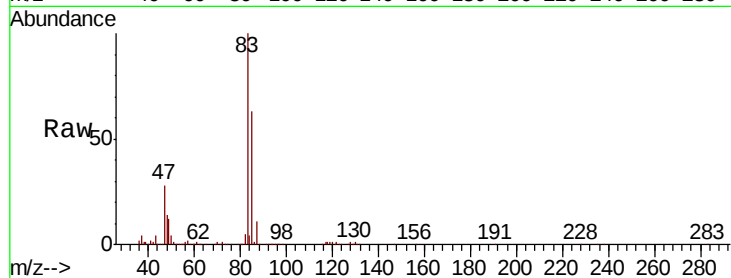
Acq: 15 Jun 2022 16:13

Tot Ion: 83 Resp: 1976826

Ion Ratio Lower Upper

83 100

85 62.4 52.4 78.6



#30

Cyclohexane

Concen: 9.667 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.02 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

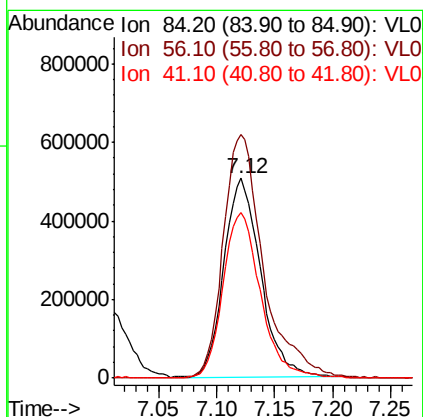
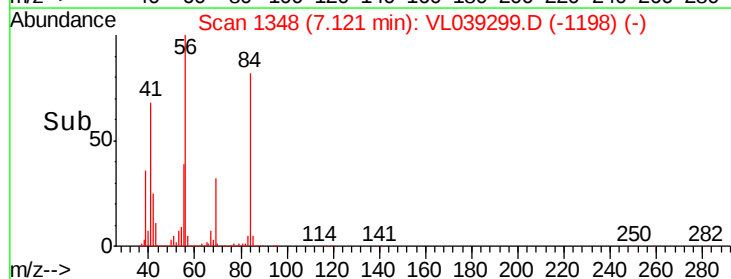
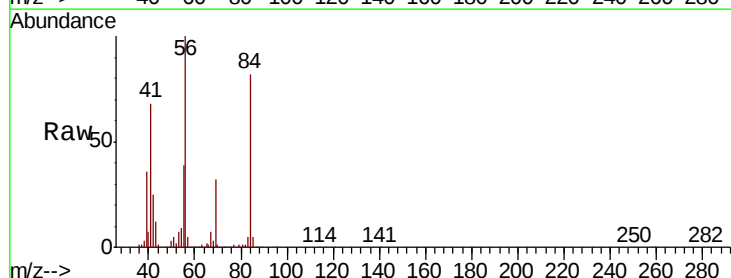
Tgt Ion: 84 Resp: 1109392

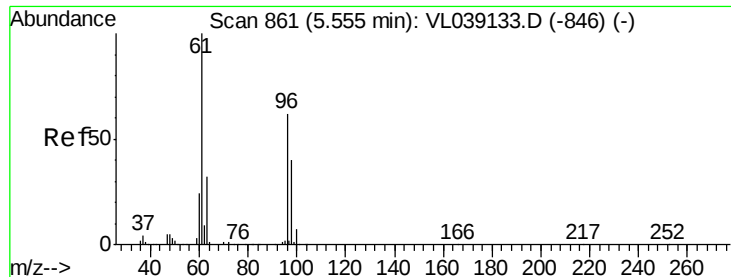
Ion Ratio Lower Upper

84 100

56 134.6 110.6 165.8

41 85.2 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 9.100 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Jun 2022 16:13 VSTDCCC010

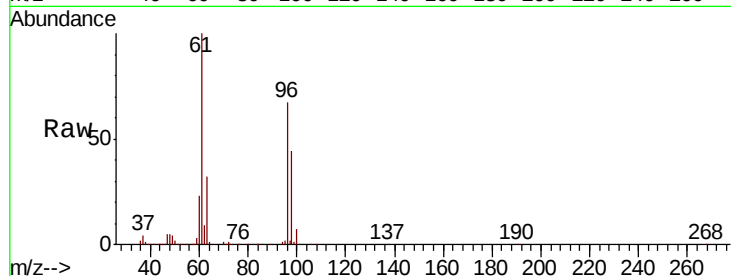
Tot Ion: 61 Resp: 1267472

Ion Ratio Lower Upper

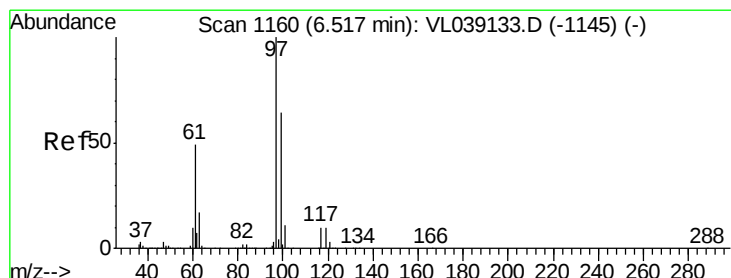
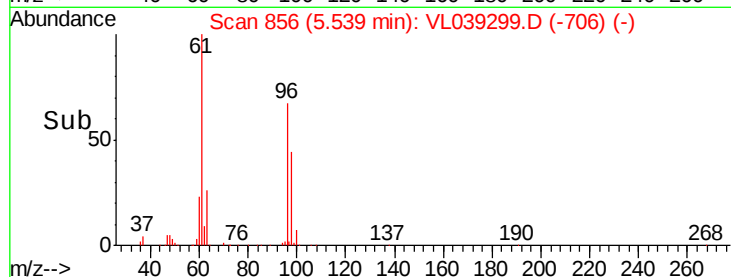
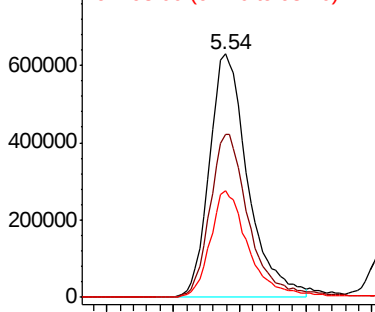
61 100

96 66.8 49.9 74.9

98 44.0 32.0 48.0



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: 9.176 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

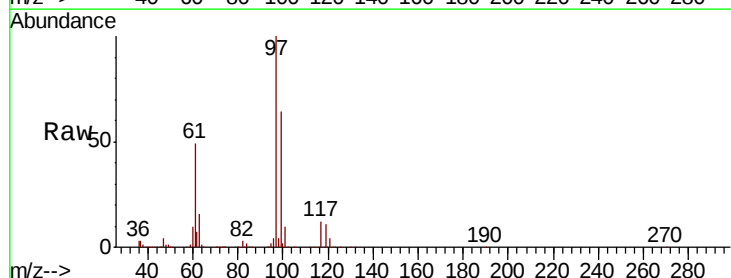
Tgt Ion: 97 Resp: 2064070

Ion Ratio Lower Upper

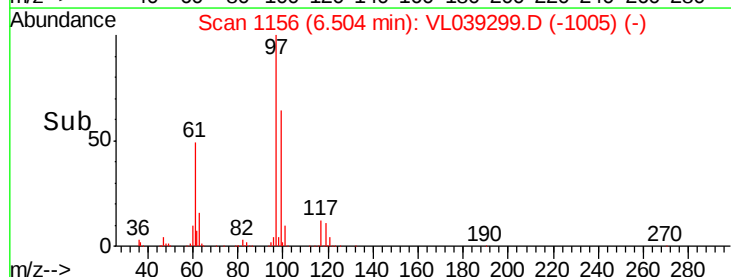
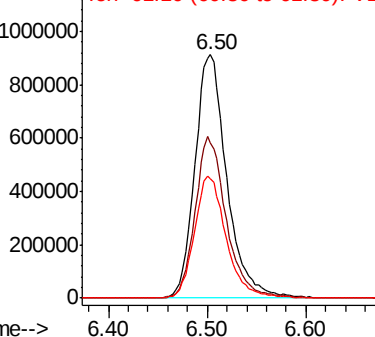
97 100

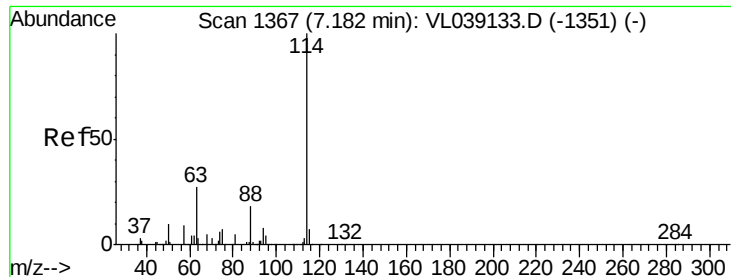
99 64.9 52.1 78.1

61 50.1 40.0 60.0



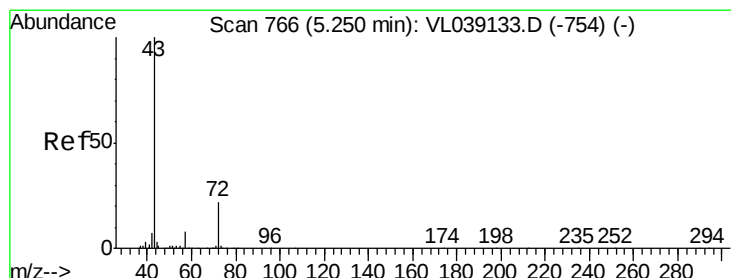
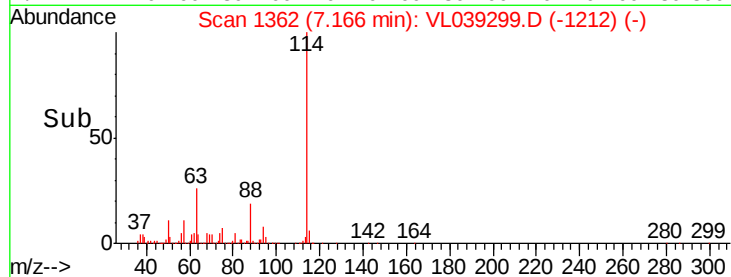
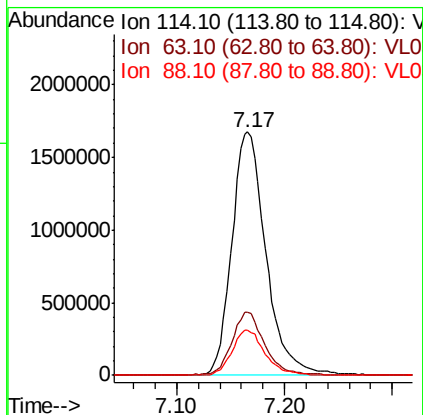
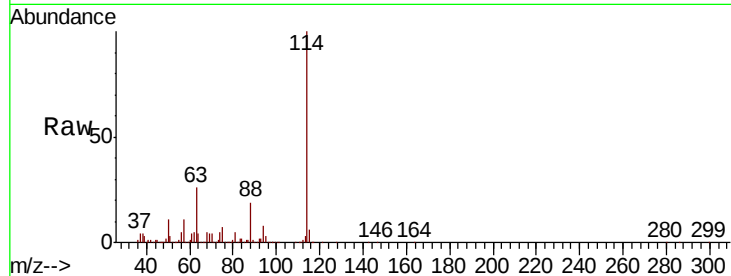
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





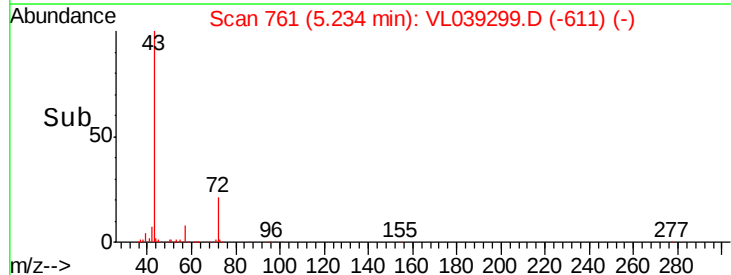
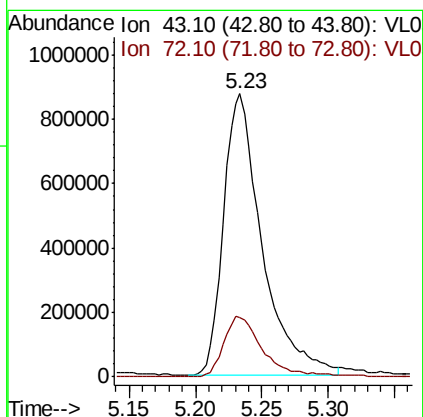
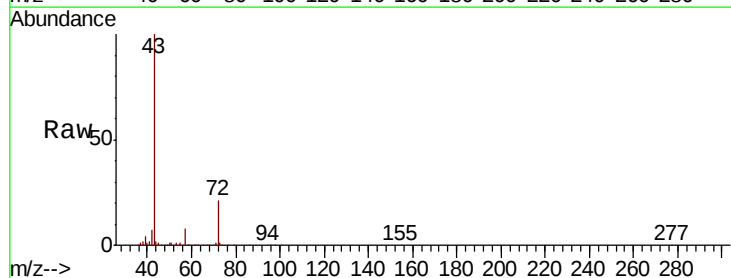
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

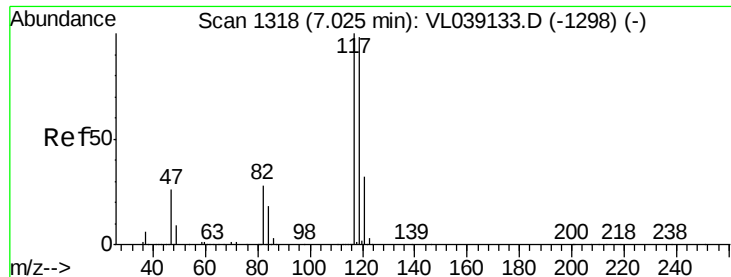
Tot Ion:114 Resp: 3690020
 Ion Ratio Lower Upper
 114 100
 63 25.2 21.7 32.5
 88 18.3 14.8 22.2



#34
 2-Butanone
 Concen: 8.831 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

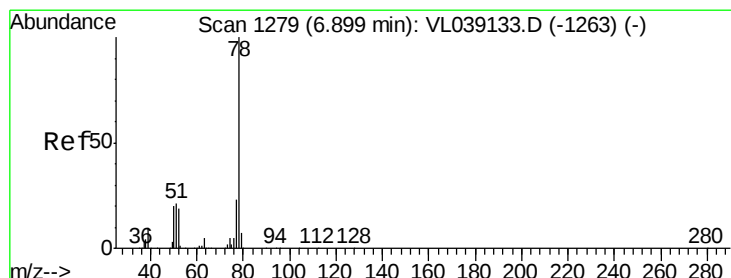
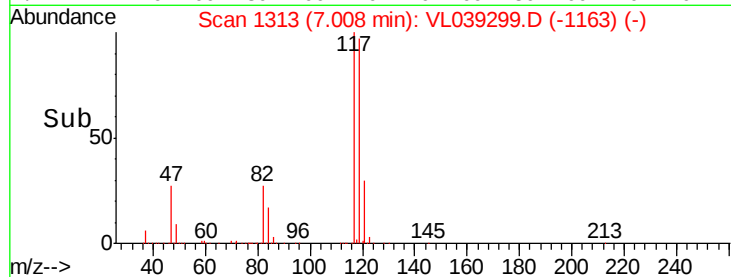
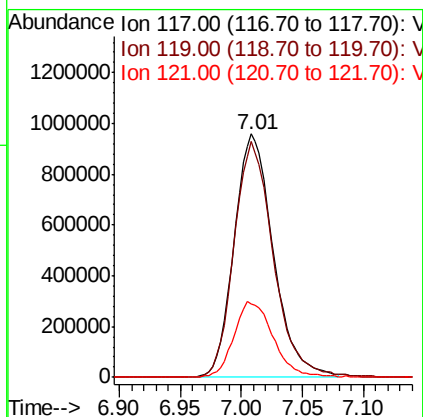
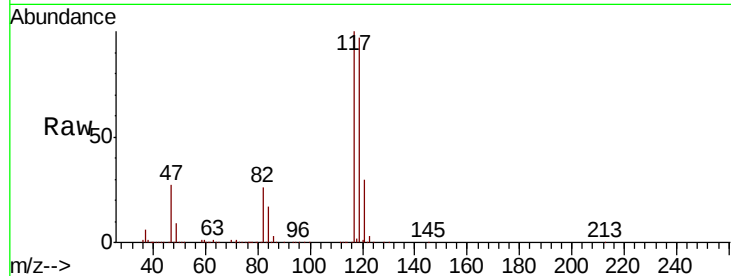
Tgt Ion: 43 Resp: 1770386
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.2 27.2





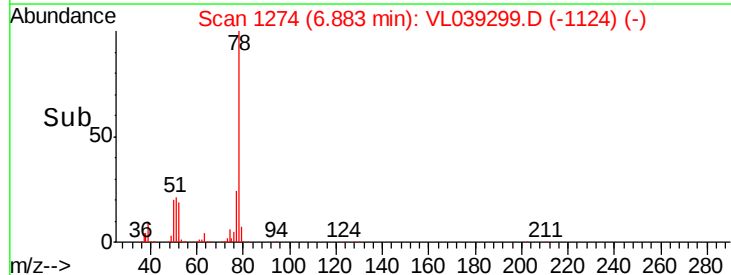
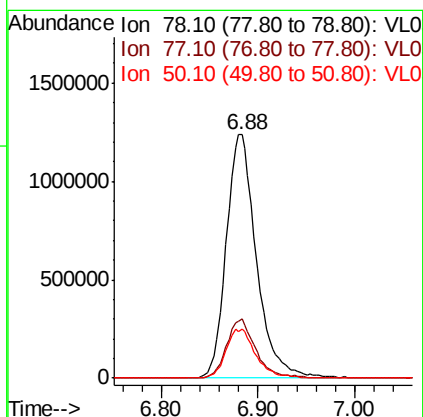
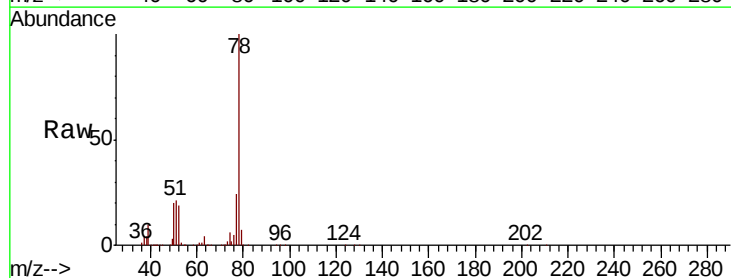
#35
Carbon Tetrachloride
Concen: 7.910 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 15 Jun 2022 16:13

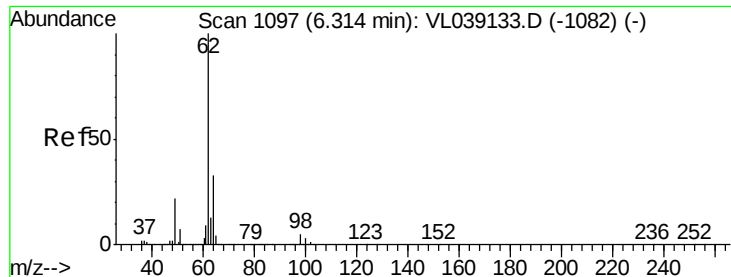
Tot Ion:117 Resp: 2130390
Ion Ratio Lower Upper
117 100
119 97.0 78.6 118.0
121 29.9 25.4 38.0



#36
Benzene
Concen: 8.939 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL039299.D
Acq: 15 Jun 2022 16:13

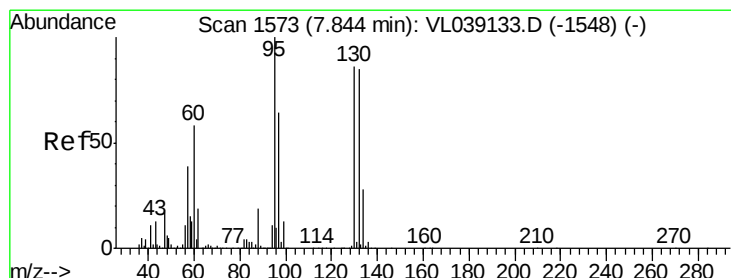
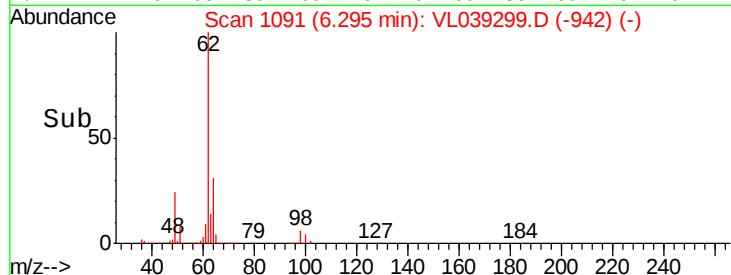
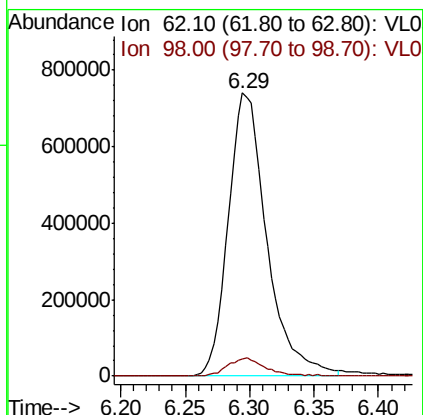
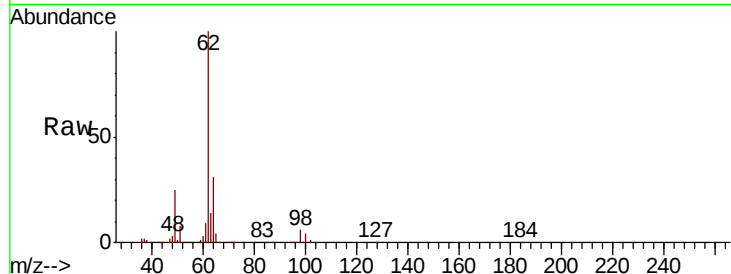
Tgt Ion: 78 Resp: 2677921
Ion Ratio Lower Upper
78 100
77 24.1 18.6 27.8
50 20.3 15.8 23.8





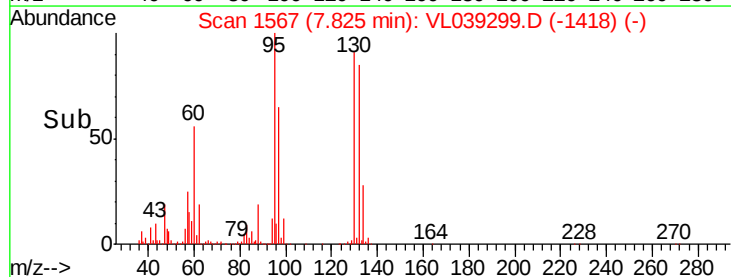
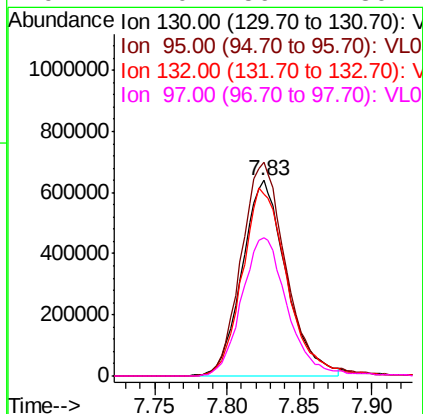
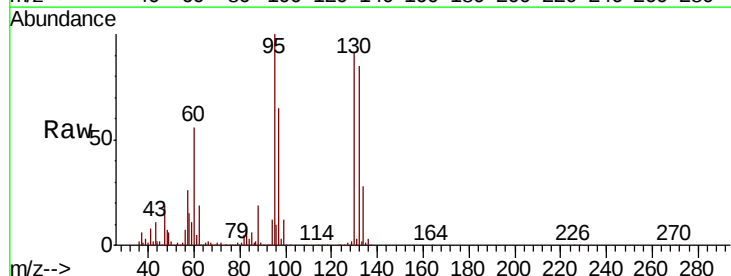
#37
 1,2-Dichloroethane
 Concen: 7.816 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

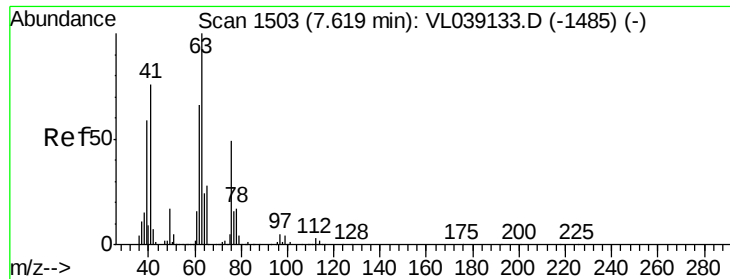
Tot Ion: 62 Resp: 1540896
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.3 6.5



#38
 Trichloroethene
 Concen: 9.785 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

Tgt Ion: 130 Resp: 1346368
 Ion Ratio Lower Upper
 130 100
 95 109.6 93.3 139.9
 132 93.2 79.0 118.4
 97 71.0 59.4 89.2

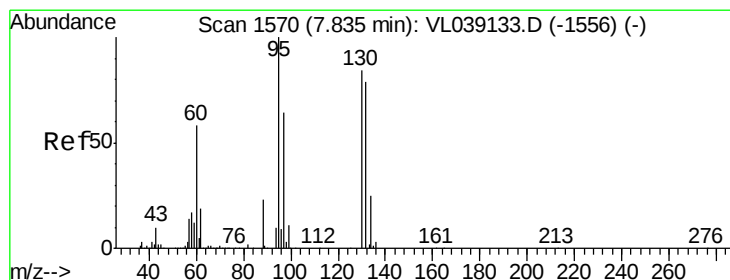
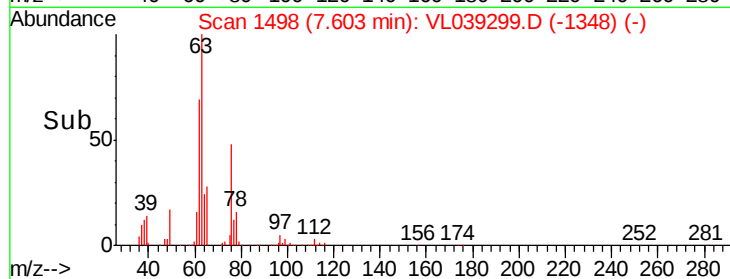
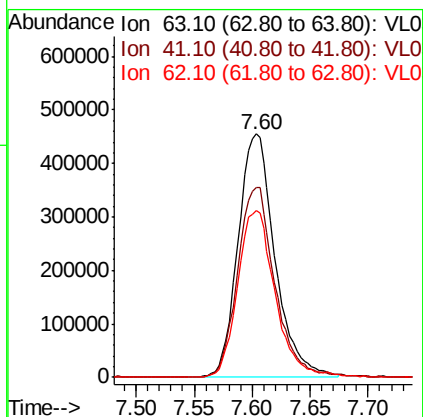
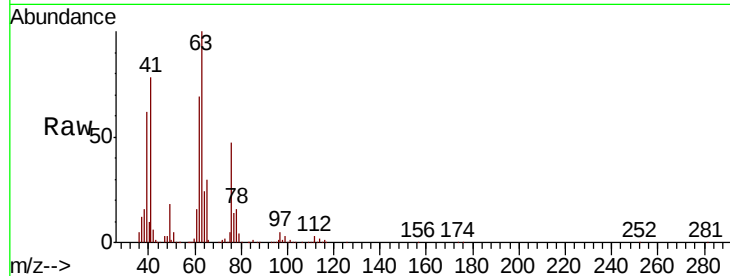




#39
 1,2-Dichloropropane
 Concen: 8.439 ppbv
 RT: 7.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

Tot Ion: 63 Resp: 1005597

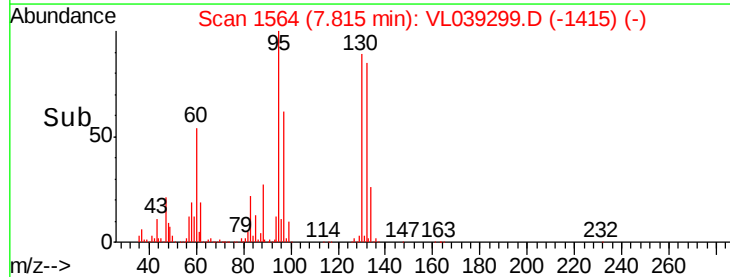
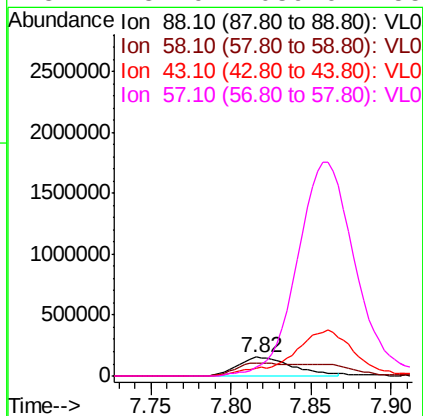
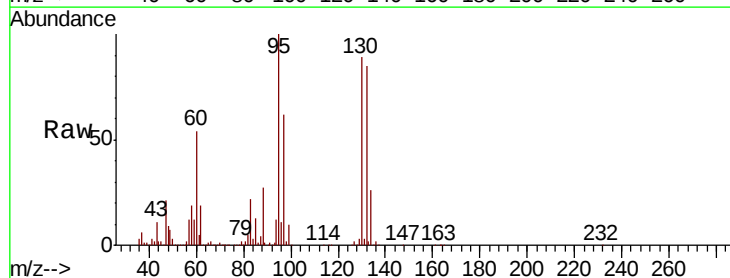
Ion	Ratio	Lower	Upper
63	100		
41	77.8	60.8	91.2
62	68.7	52.9	79.3

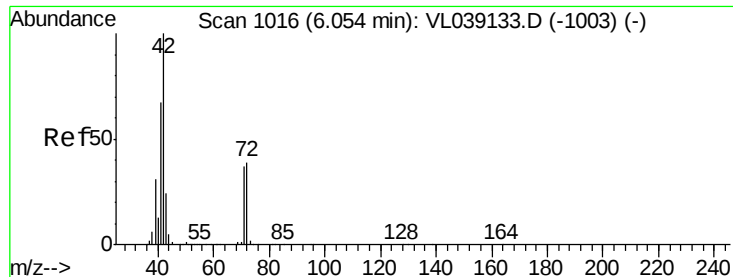


#40
 1,4-Dioxane
 Concen: 9.115 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

Tgt Ion: 88 Resp: 357562

Ion	Ratio	Lower	Upper
88	100		
58	134.7	111.2	166.8
43	293.6	234.2	351.4
57	1257.9	1039.9	1559.9





#41

Tetrahydrofuran

Concen: 8.535 ppbv

RT: 6.04 Instrument: MSVOA_1

Delta R.T. -0.02 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 15 Jun 2022 16:13

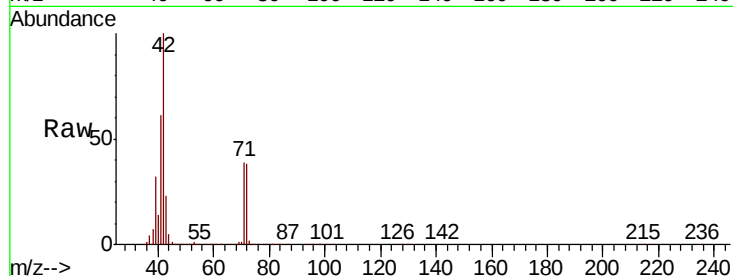
Tot Ion: 42 Resp: 1029030

Ion Ratio Lower Upper

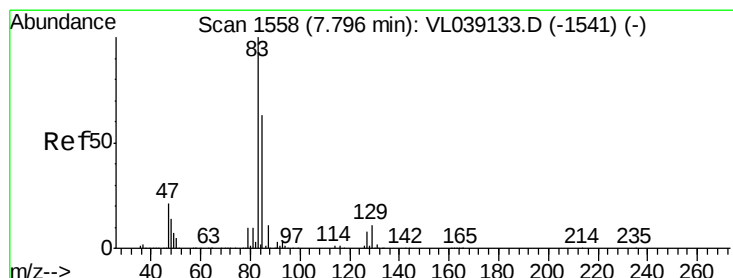
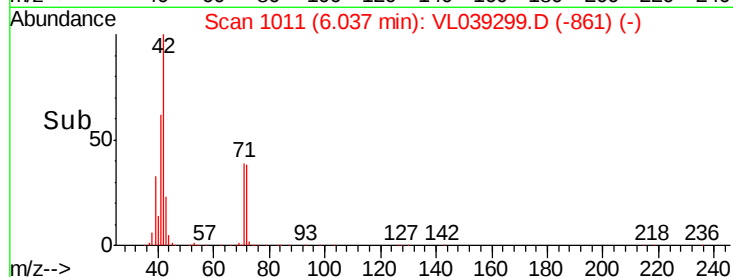
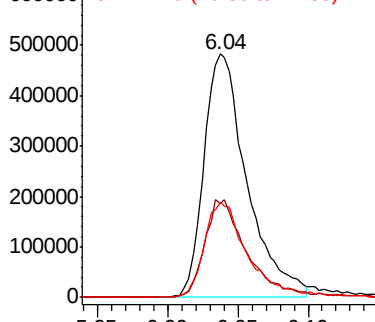
42 100

72 40.5 32.0 48.0

71 39.8 31.1 46.7



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: 8.189 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.02 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

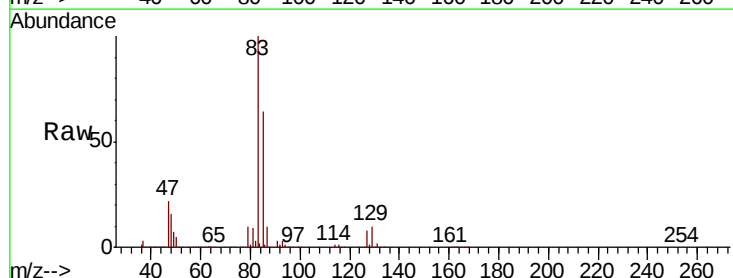
Tgt Ion: 83 Resp: 2240708

Ion Ratio Lower Upper

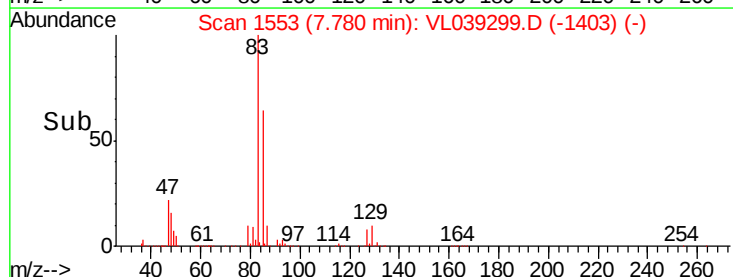
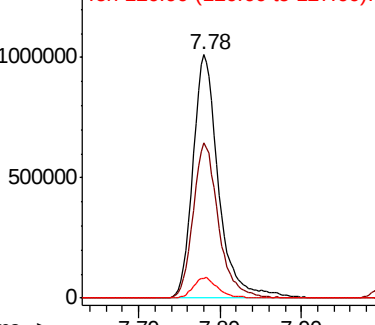
83 100

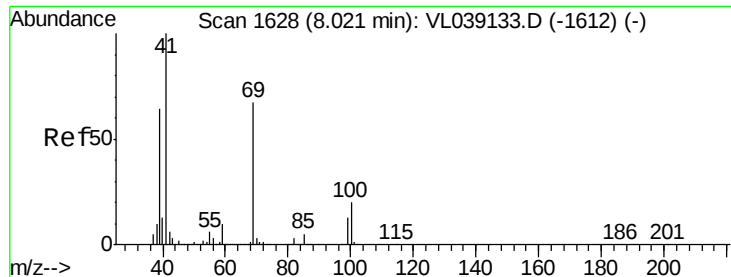
85 63.9 50.2 75.4

127 8.2 6.6 9.8



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





#43

Methyl Methacrylate

Concen: 9.240 ppbv

RT: 8.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Jun 2022 16:13 VSTDCCC010

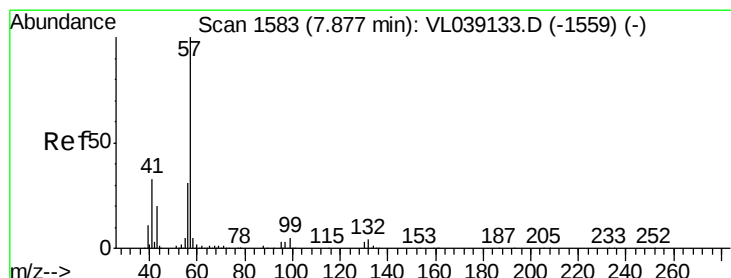
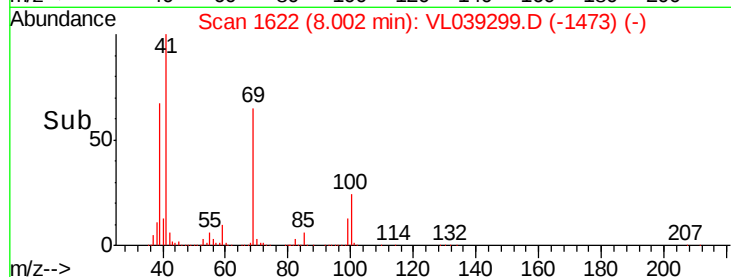
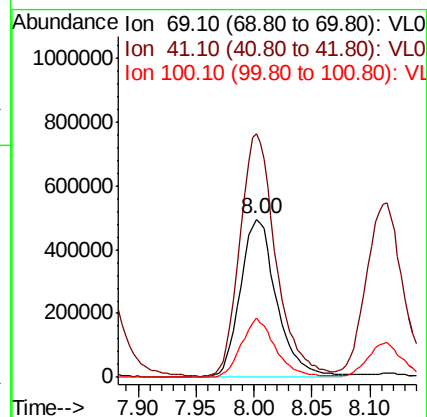
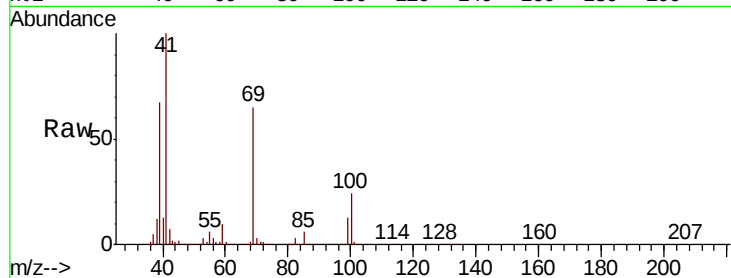
Tot Ion: 69 Resp: 1078180

Ion Ratio Lower Upper

69 100

41 152.9 121.9 182.9

100 35.3 24.1 36.1



#44

2,2,4-Trimethylpentane

Concen: 8.562 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.02 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

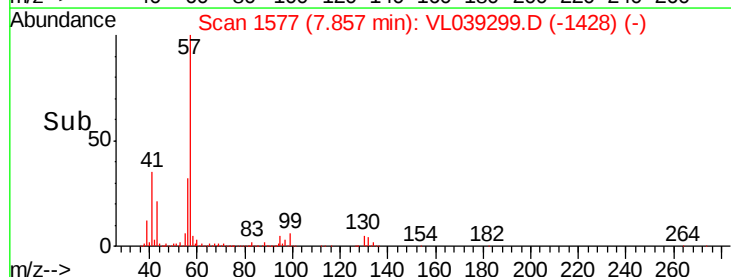
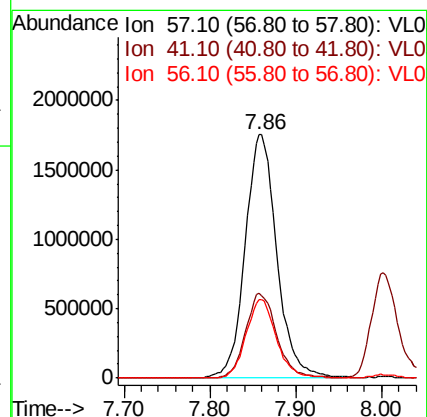
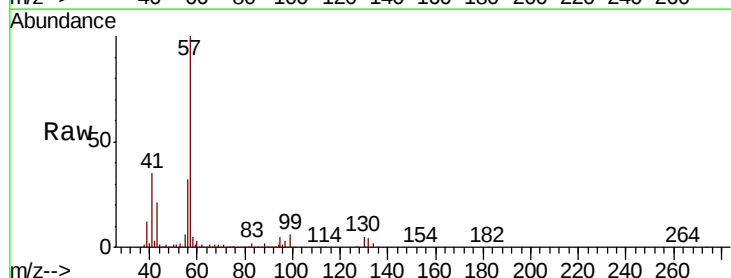
Tgt Ion: 57 Resp: 4487191

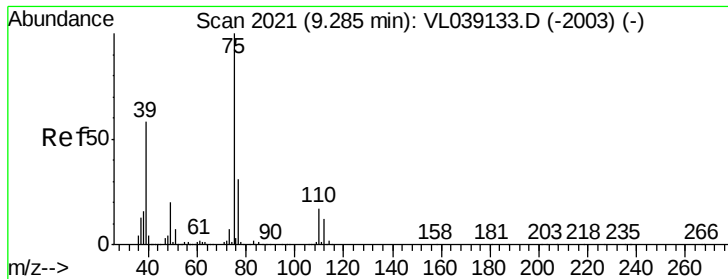
Ion Ratio Lower Upper

57 100

41 34.3 26.2 39.4

56 31.0 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 8.813 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

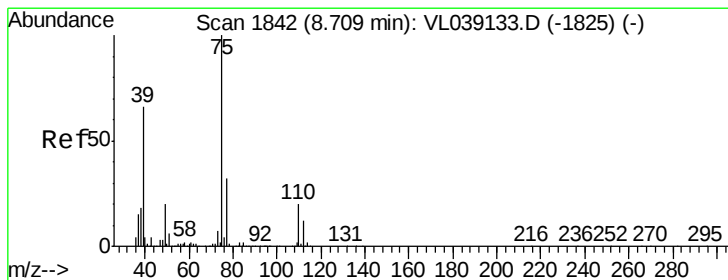
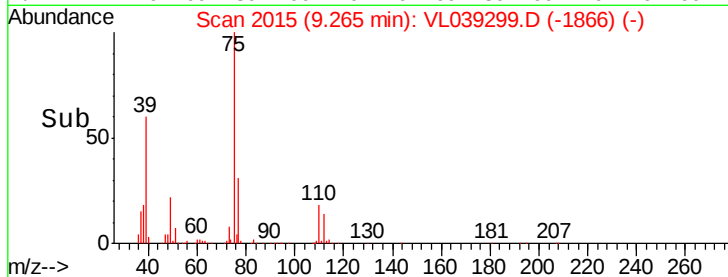
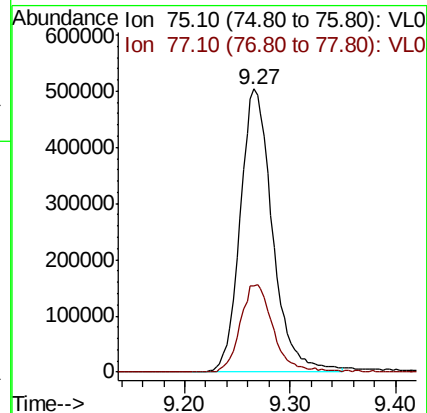
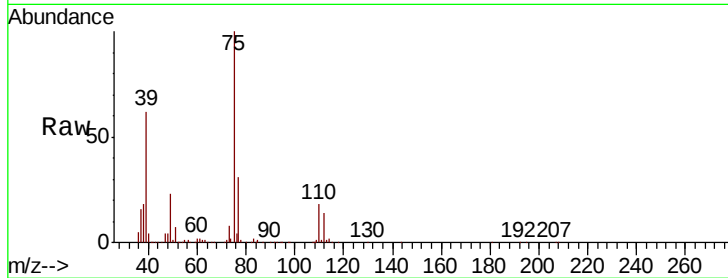
Acq: 15 Jun 2022 16:13 VSTDCCC010

Tot Ion: 75 Resp: 1071029

Ion Ratio Lower Upper

75 100

77 30.6 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 8.674 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.02 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

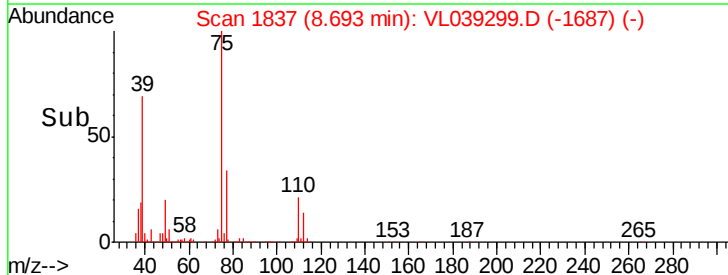
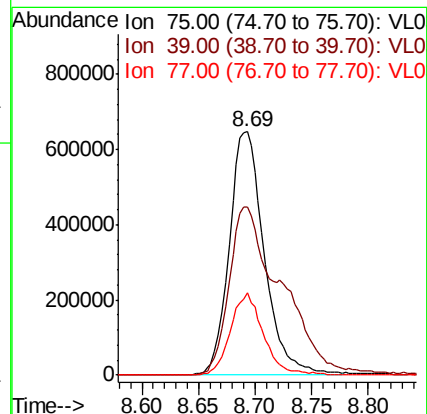
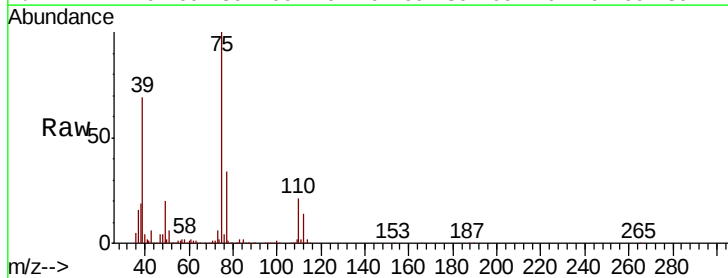
Tgt Ion: 75 Resp: 1392498

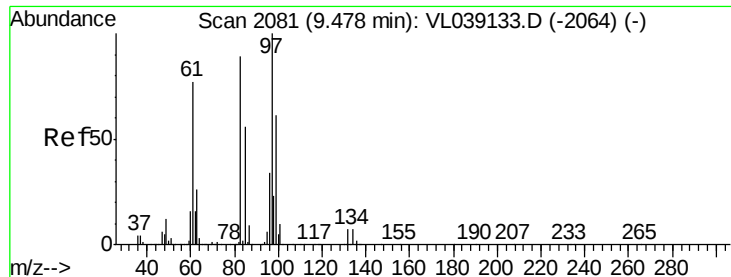
Ion Ratio Lower Upper

75 100

39 69.2 52.4 78.6

77 33.5 25.5 38.3

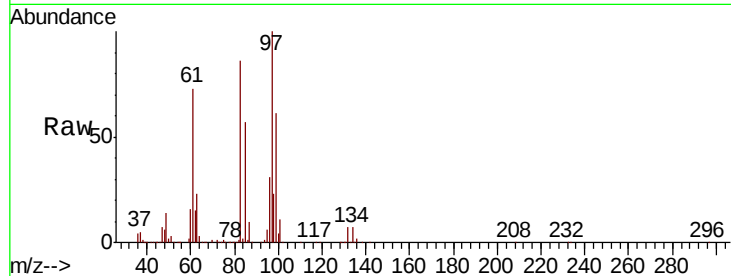




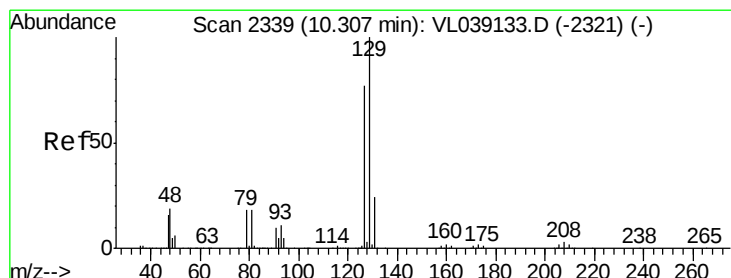
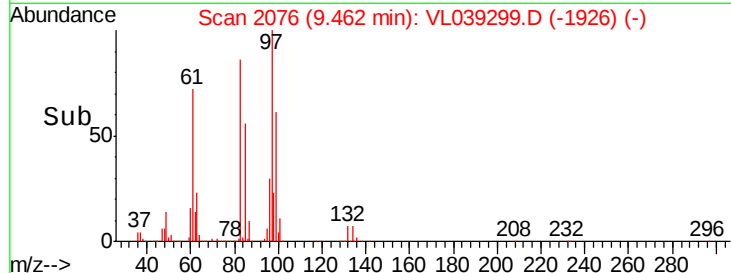
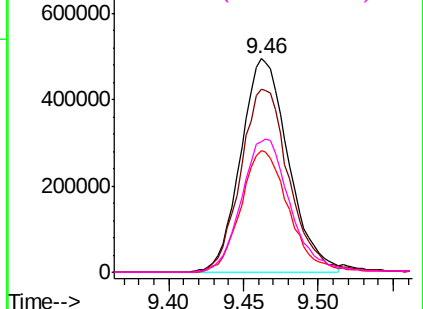
#47
 1,1,2-Trichloroethane
 Concen: 8.782 ppbv
 RT: 9.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

Tot Ion: 97 Resp: 1091748

Ion	Ratio	Lower	Upper
97	100		
83	85.6	71.6	107.4
85	56.6	44.8	67.2
99	61.3	49.0	73.4



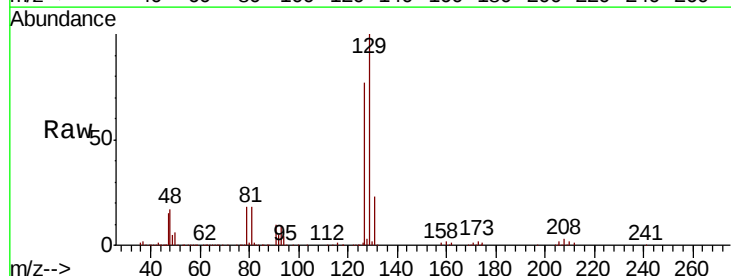
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0



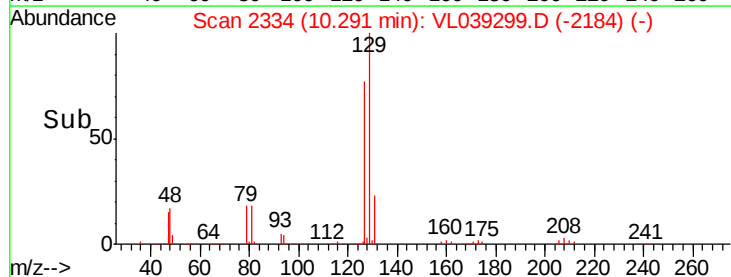
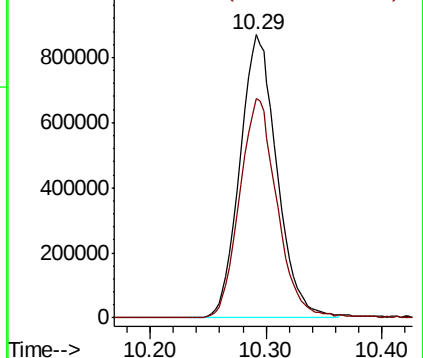
#48
 Dibromochloromethane
 Concen: 8.701 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

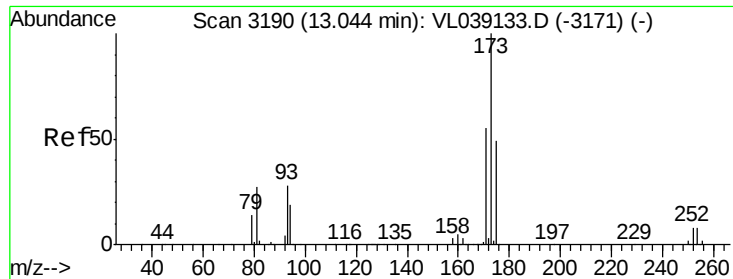
Tgt Ion: 129 Resp: 1931479

Ion	Ratio	Lower	Upper
129	100		
127	78.3	40.0	119.9



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





#49

Bromoform

Concen: 8.616 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Jun 2022 16:13

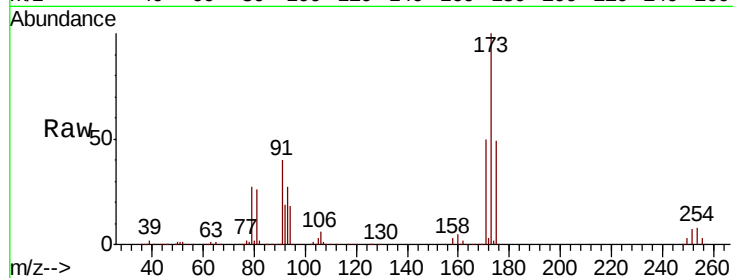
Tot Ion:173 Resp: 1593807

Ion Ratio Lower Upper

173 100

175 49.2 40.2 60.2

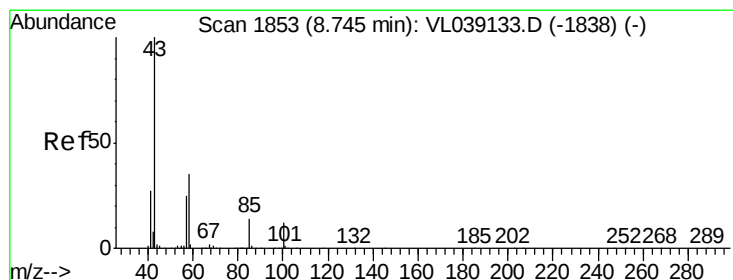
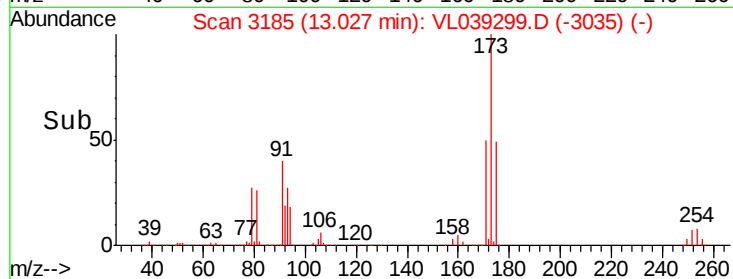
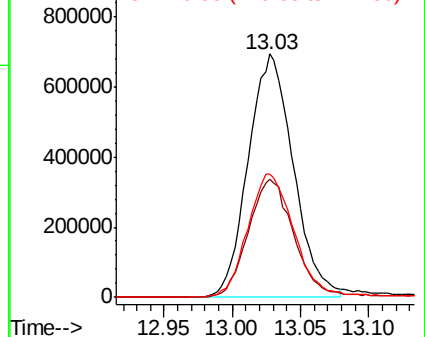
171 53.9 43.9 65.9



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: 9.163 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL039299.D

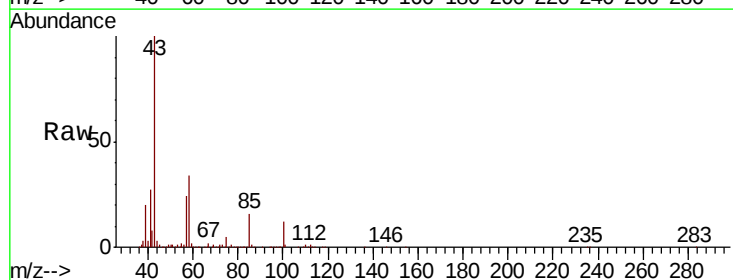
Acq: 15 Jun 2022 16:13

Tgt Ion: 43 Resp: 2749515

Ion Ratio Lower Upper

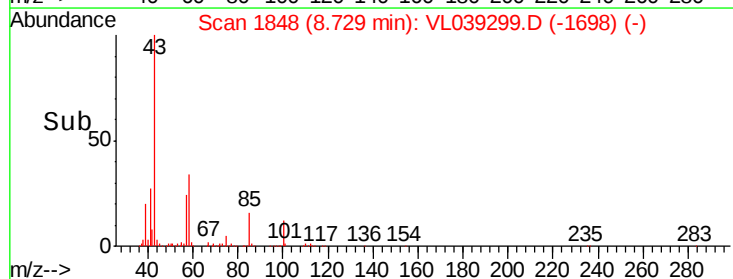
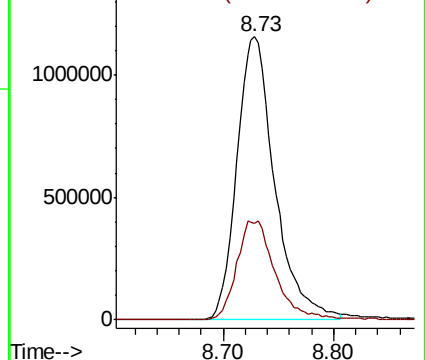
43 100

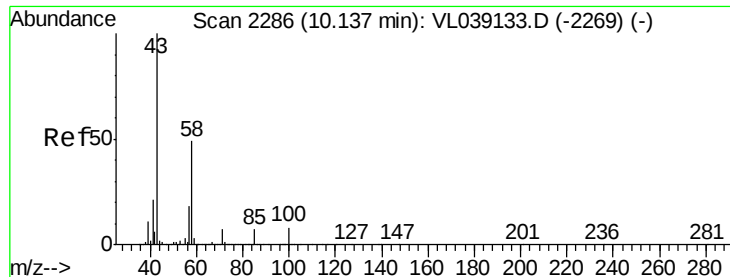
58 35.8 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

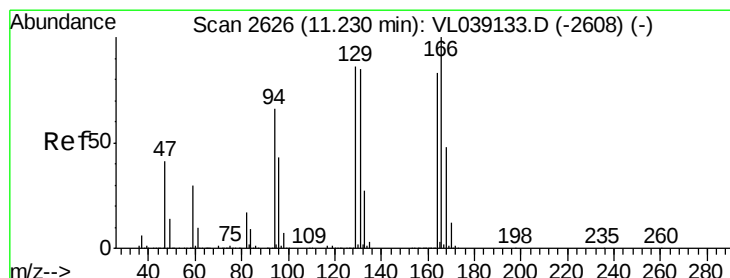
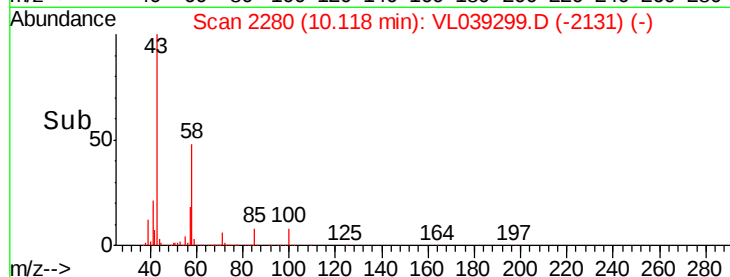
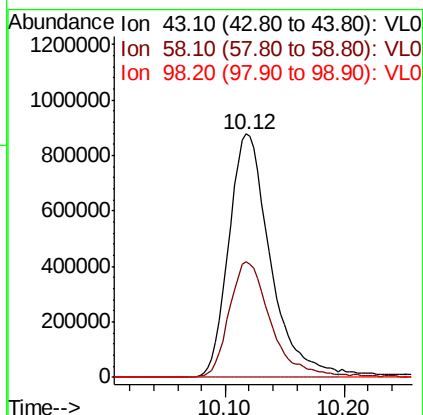
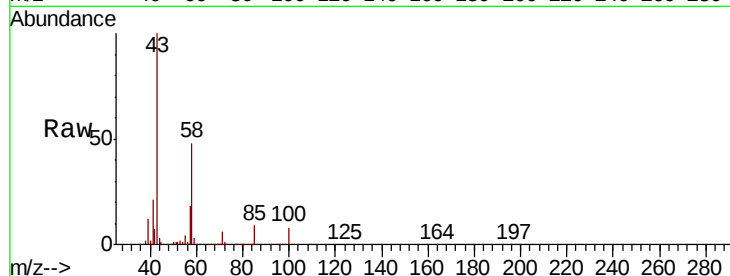
Ion 58.10 (57.80 to 58.80): VL0





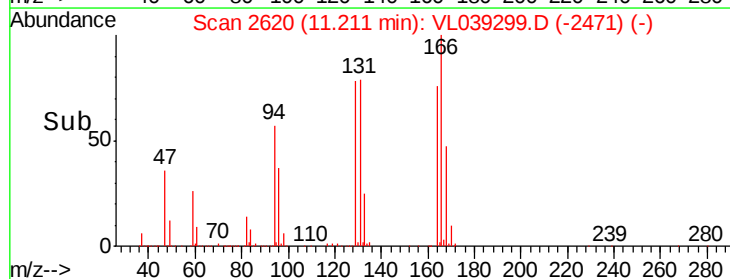
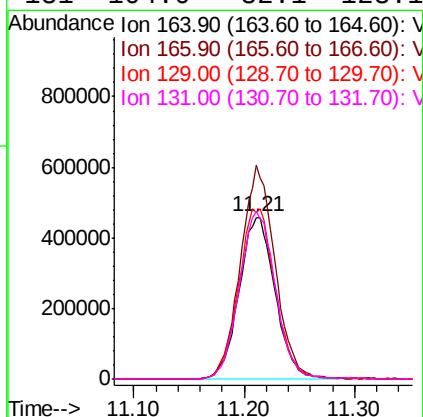
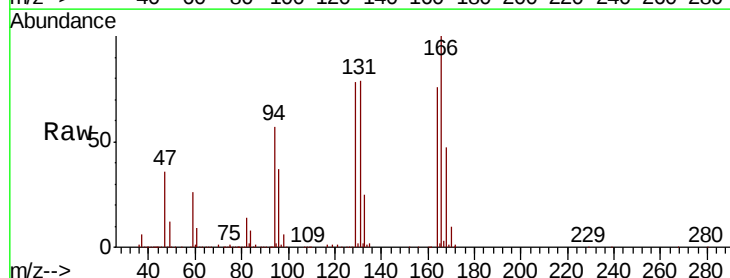
#51
2-Hexanone
Concen: 9.042 ppbv
RT: 10.12
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 16:13

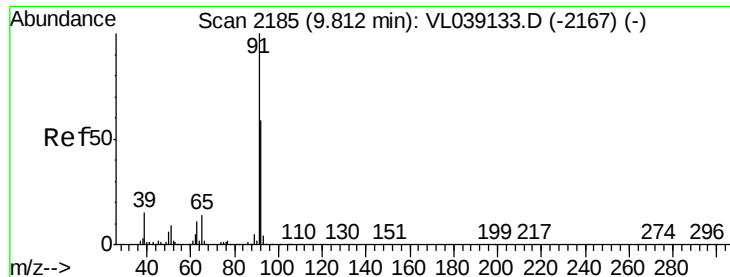
Tot Ion: 43 Resp: 2111379
Ion Ratio Lower Upper
43 100
58 49.1 40.0 60.0
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.809 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL039299.D
Acq: 15 Jun 2022 16:13

Tgt Ion:164 Resp: 1030331
Ion Ratio Lower Upper
164 100
166 132.2 96.3 144.5
129 103.3 82.5 123.7
131 104.0 82.1 123.1





#53

Toluene

Concen: 9.239 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

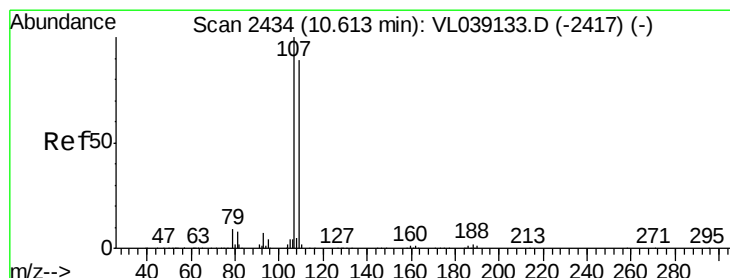
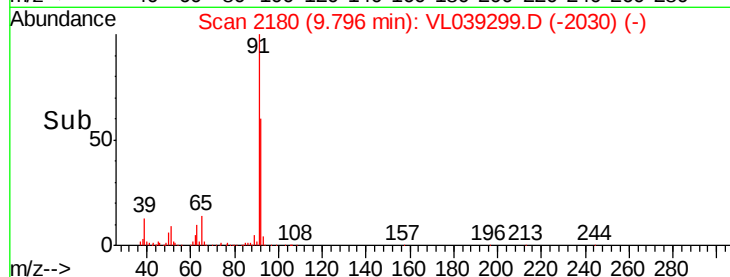
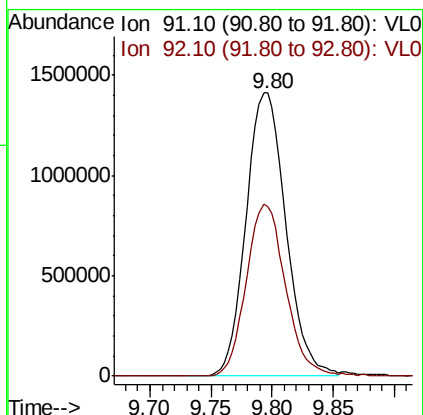
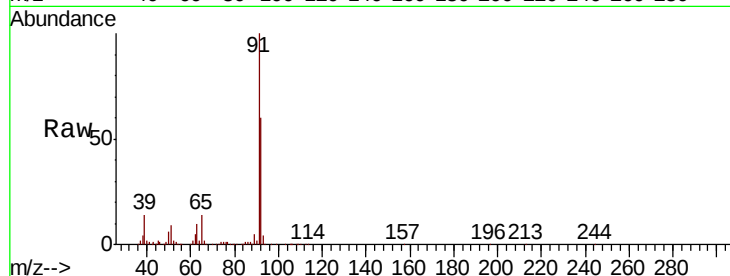
Acq: 15 Jun 2022 16:13 VSTDCCC010

Tot Ion: 91 Resp: 3186953

Ion Ratio Lower Upper

91 100

92 60.3 48.1 72.1



#54

1,2-Dibromoethane

Concen: 8.779 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL039299.D

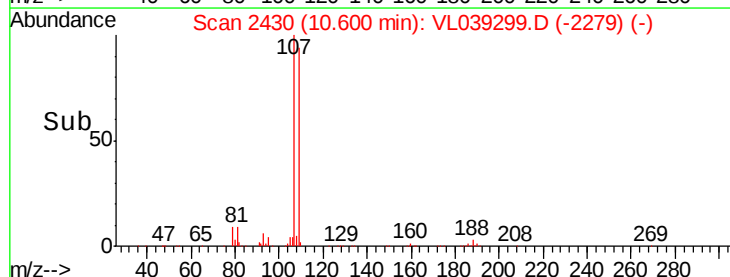
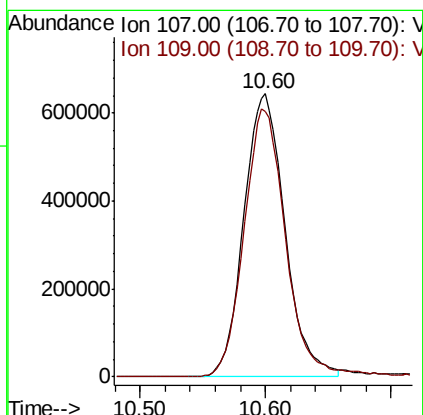
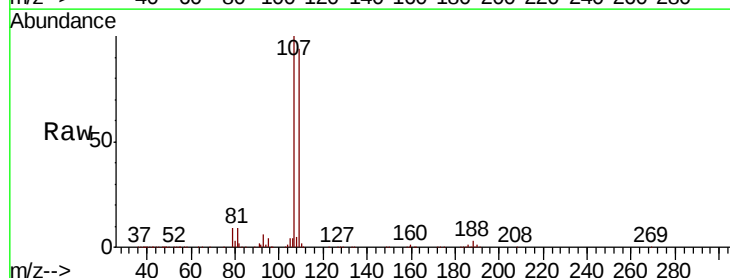
Acq: 15 Jun 2022 16:13

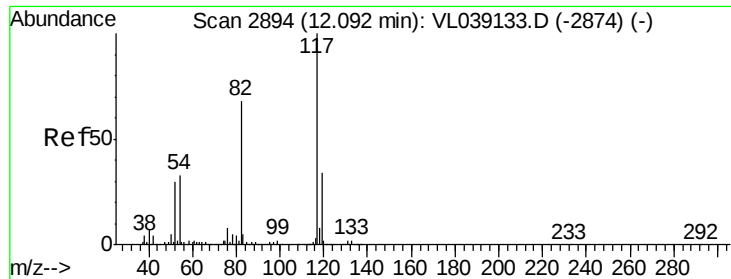
Tgt Ion: 107 Resp: 1466551

Ion Ratio Lower Upper

107 100

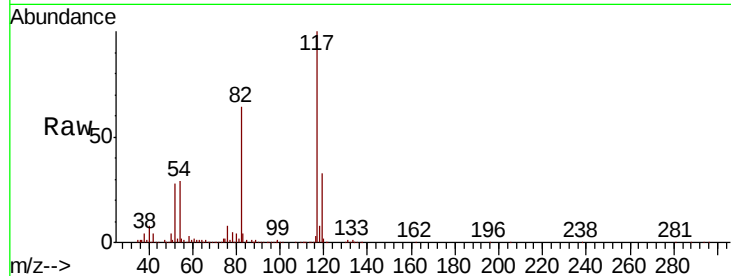
109 93.9 71.4 107.0



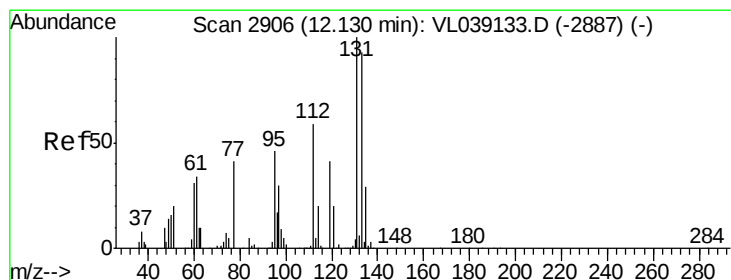
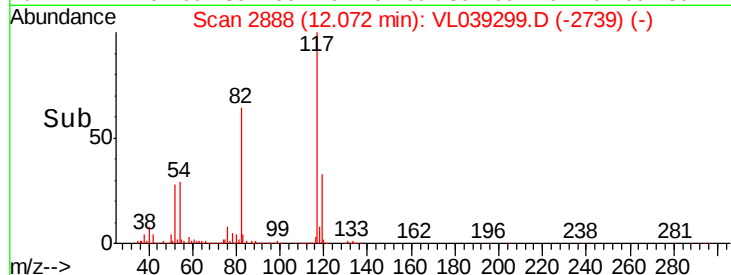
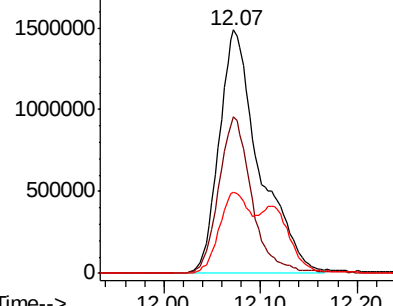


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 15 Jun 2022 16:13

Tot Ion:117 Resp: 4309348
Ion Ratio Lower Upper
117 100
82 53.4 55.1 82.7#
119 47.1 24.7 37.1#

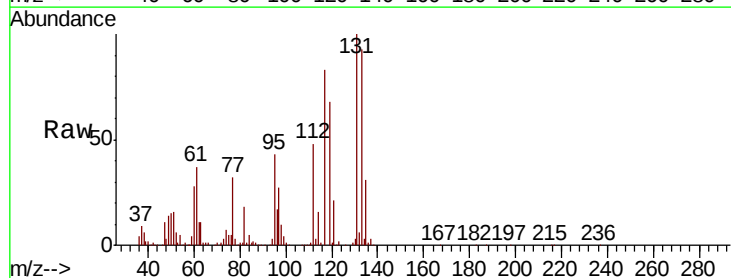


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

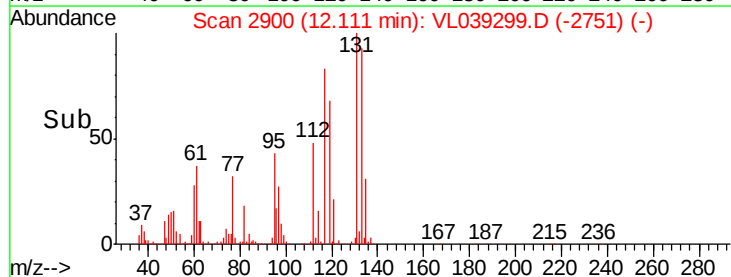
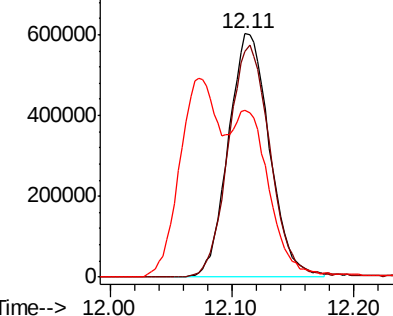


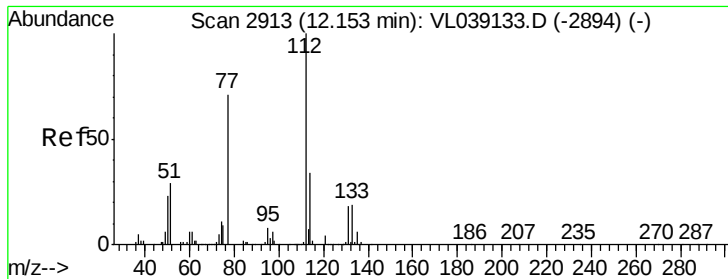
#56
1,1,1,2-Tetrachloroethane
Concen: 6.859 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.02 min
Lab File: VL039299.D
Acq: 15 Jun 2022 16:13

Tgt Ion:131 Resp: 1398709
Ion Ratio Lower Upper
131 100
133 98.2 78.6 117.8
119 145.1 51.7 77.5#



Abundance Ion 131.00 (130.70 to 131.70): V
800000 Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.363 ppbv

RT: 12.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Jun 2022 16:13

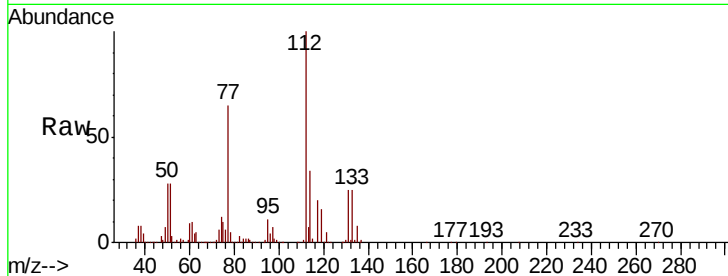
Tot Ion: 112 Resp: 2387297

Ion Ratio Lower Upper

112 100

77 64.3 56.5 84.7

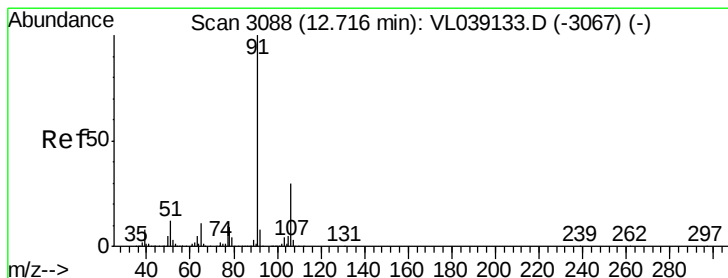
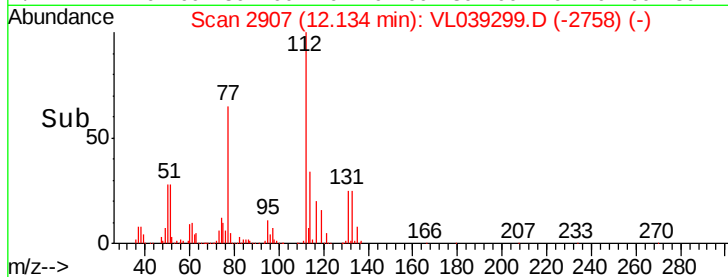
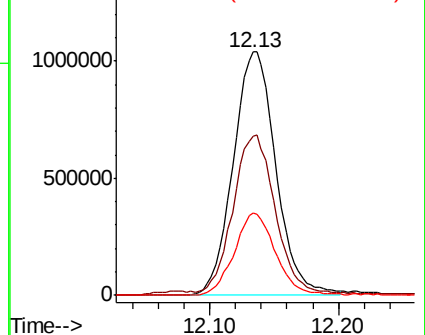
114 33.8 30.3 37.1



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: 7.152 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.02 min

Lab File: VL039299.D

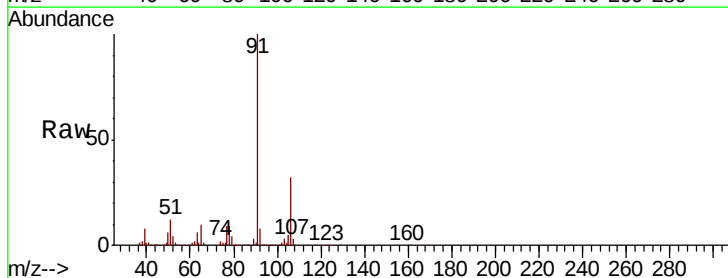
Acq: 15 Jun 2022 16:13

Tgt Ion: 91 Resp: 4245387

Ion Ratio Lower Upper

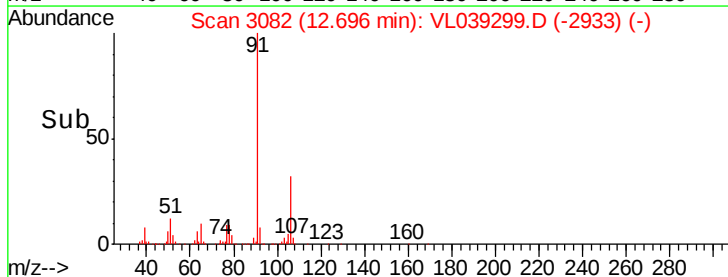
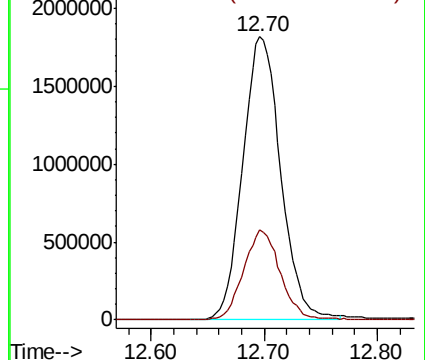
91 100

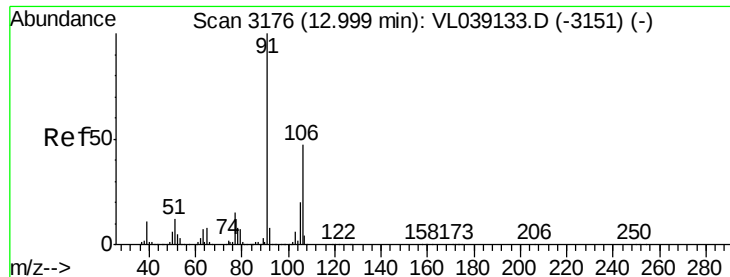
106 31.6 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

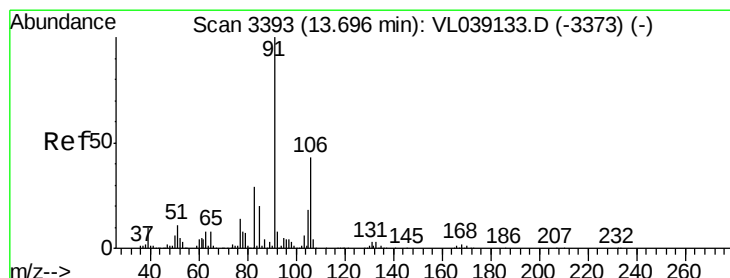
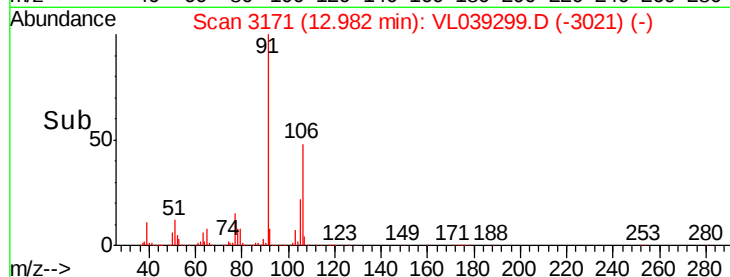
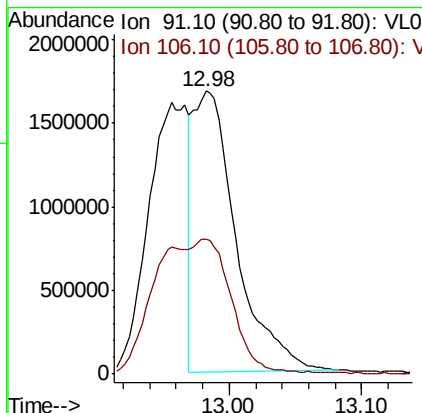
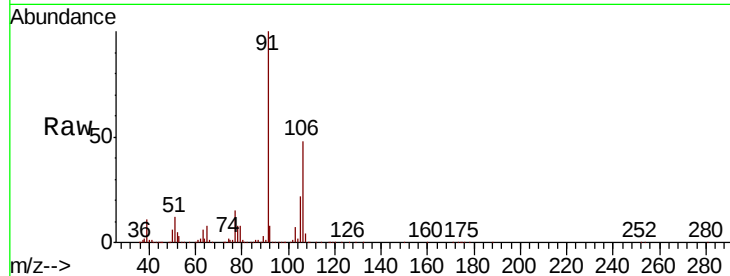
Ion 106.10 (105.80 to 106.80): V





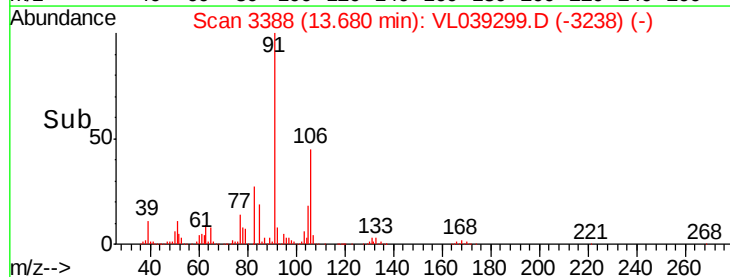
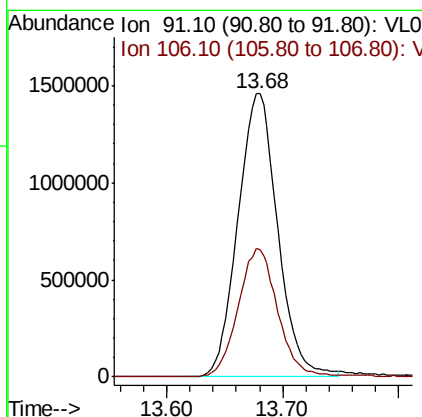
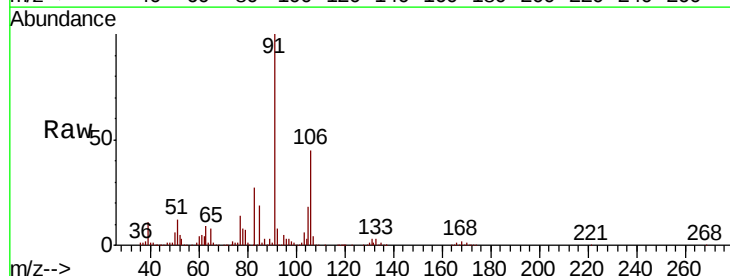
#59
m/p-Xylene
Concen: 7.177 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Jun 2022 16:13

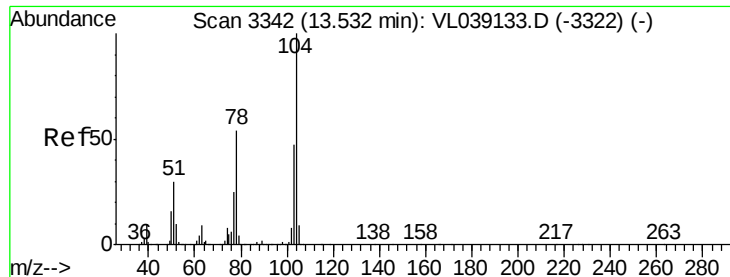
Tot Ion: 91 Resp: 3751743
Ion Ratio Lower Upper
91 100
106 86.3 34.3 51.5#



#60
o-Xylene
Concen: 7.069 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL039299.D
Acq: 15 Jun 2022 16:13

Tgt Ion: 91 Resp: 3472207
Ion Ratio Lower Upper
91 100
106 45.5 22.3 66.9





#61

Stvrene

Concen: 7.881 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Jun 2022 16:13 VSTDCCC010

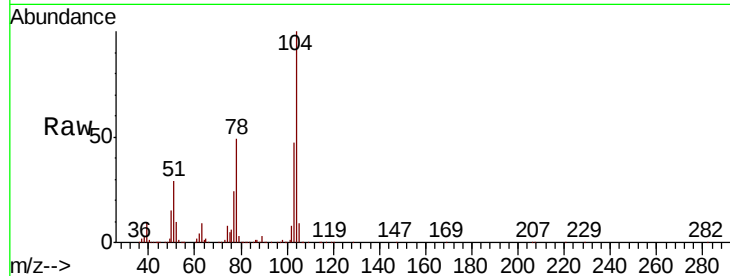
Tot Ion:104 Resp: 2072978

Ion Ratio Lower Upper

104 100

78 51.9 45.7 68.5

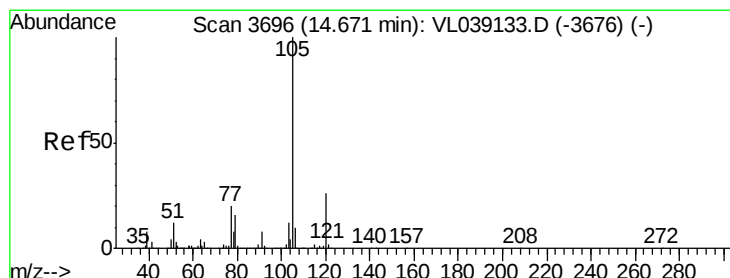
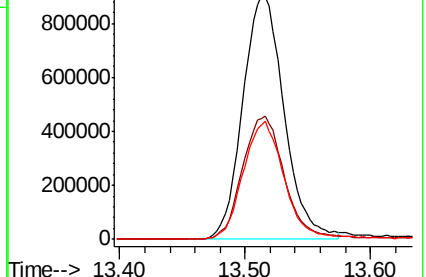
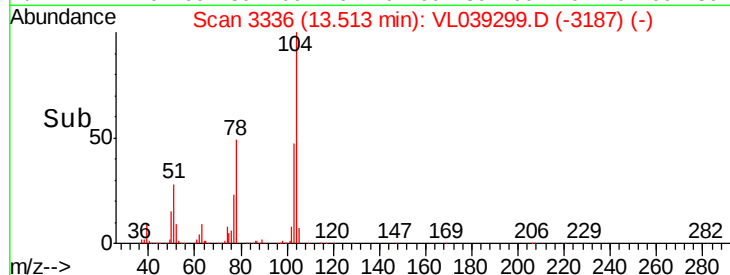
103 48.7 39.6 59.4



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: 7.119 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. -0.02 min

Lab File: VL039299.D

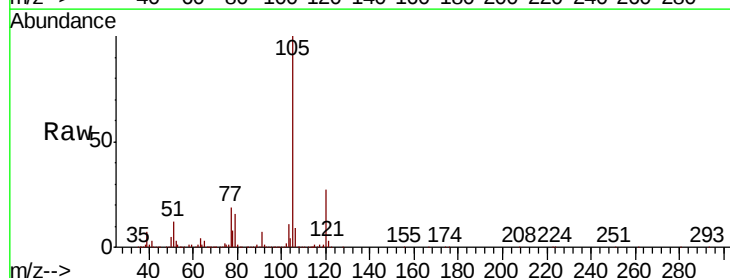
Acq: 15 Jun 2022 16:13

Tgt Ion:105 Resp: 5197100

Ion Ratio Lower Upper

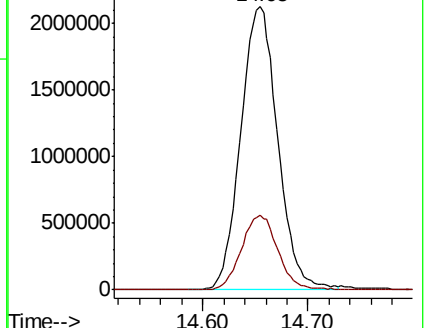
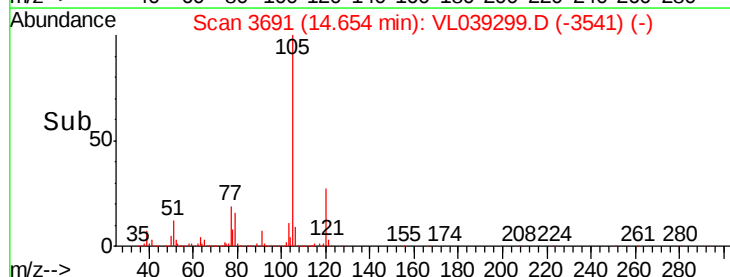
105 100

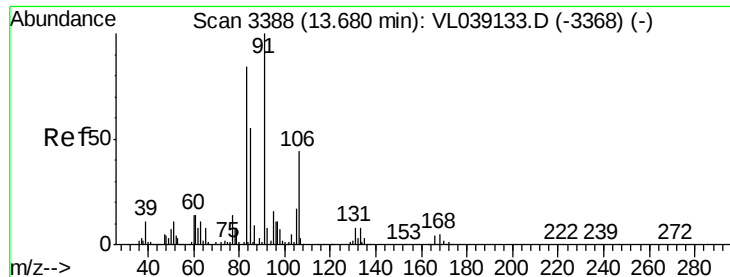
120 26.1 20.3 30.5



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: 6.309 ppbv

RT: 13.66

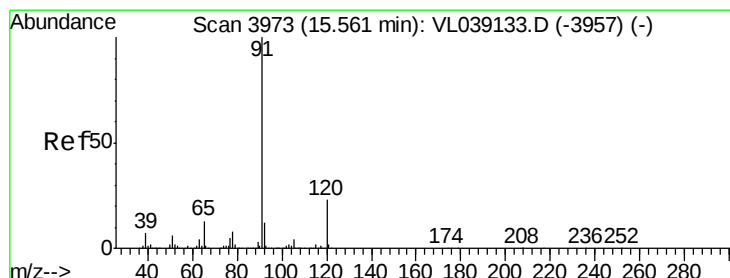
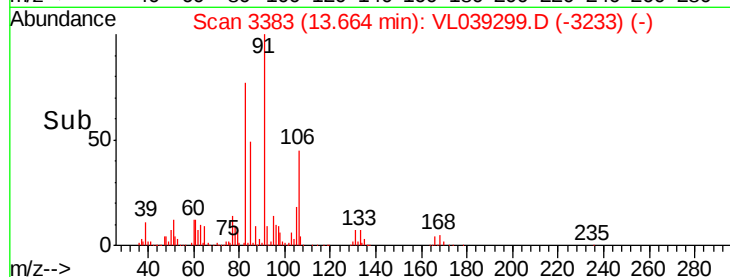
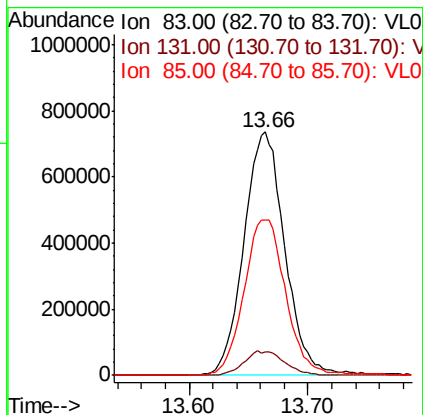
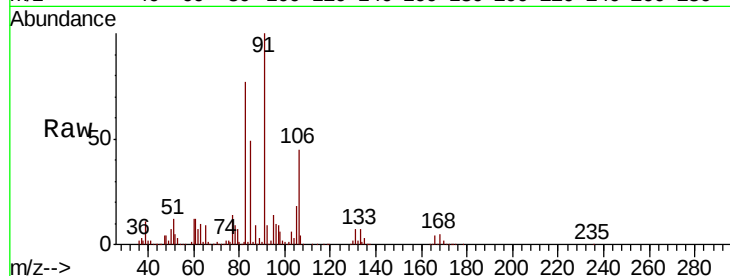
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Jun 2022 16:13

Tot Ion: 83 Resp: 1739477

Ion	Ratio	Lower	Upper
83	100		
131	10.2	4.8	14.3
85	66.5	33.0	99.0



#64

n-propylbenzene

Concen: 7.557 ppbv

RT: 15.55 min Scan# 3968

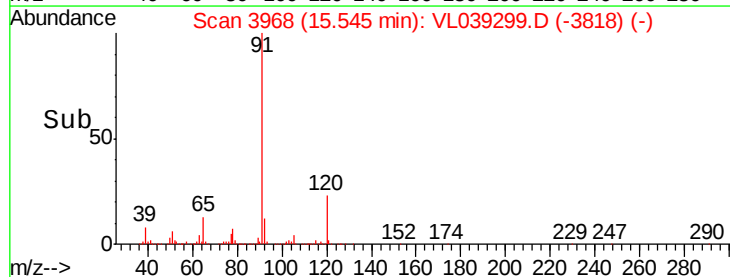
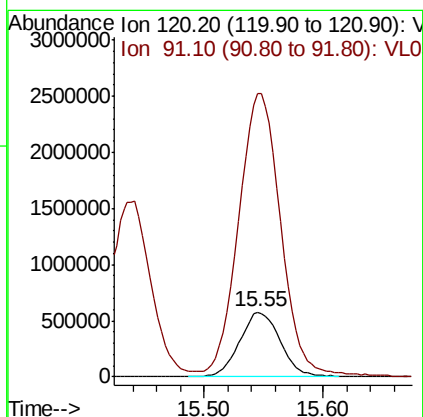
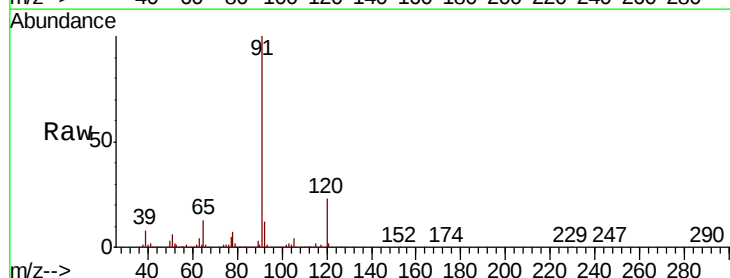
Delta R.T. -0.02 min

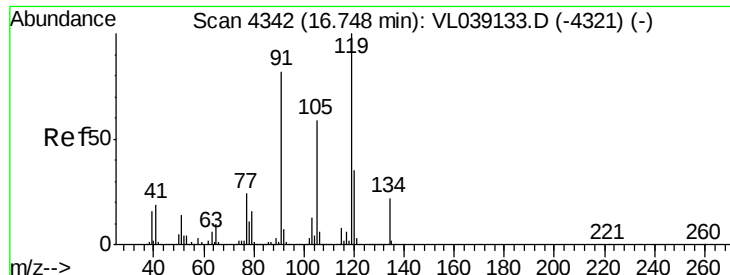
Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

Tgt Ion:120 Resp: 1356255

Ion	Ratio	Lower	Upper
120	100		
91	459.6	388.4	582.6

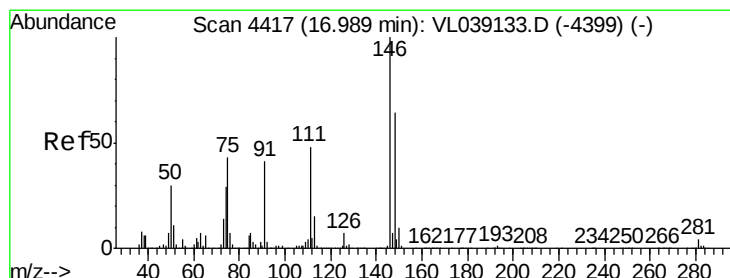
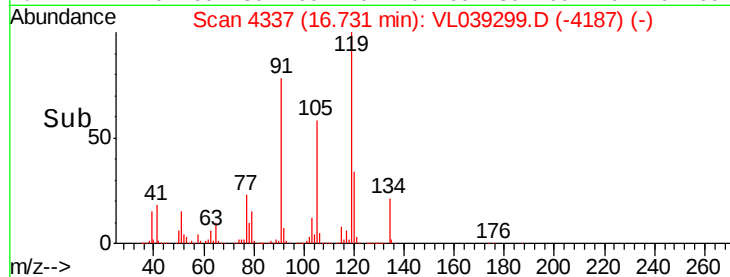
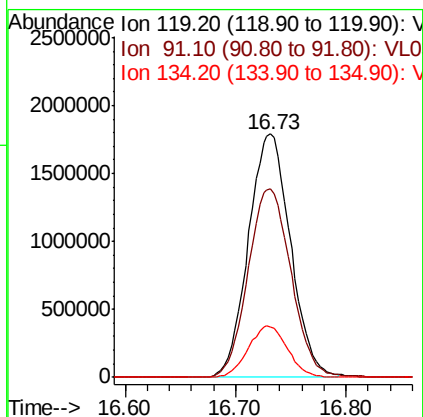
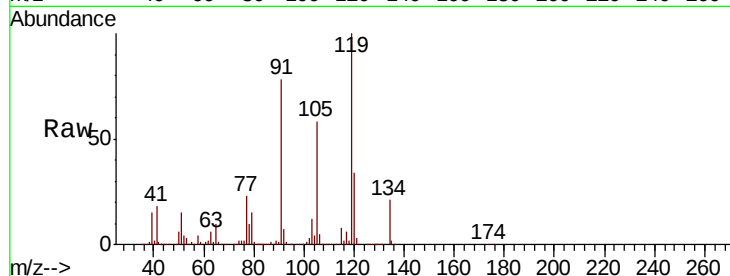




#65
 tert-Butylbenzene
 Concen: 7.090 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

Tot Ion: 119 Resp: 4733270

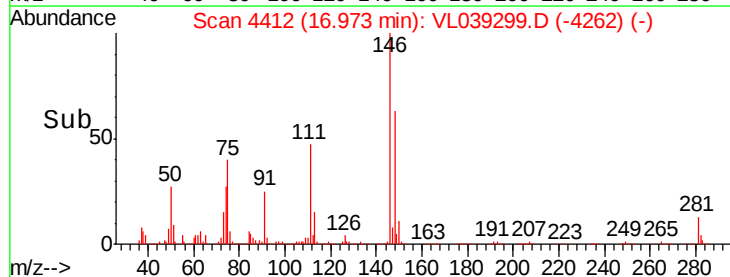
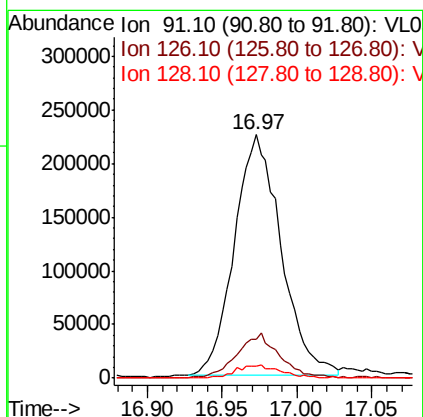
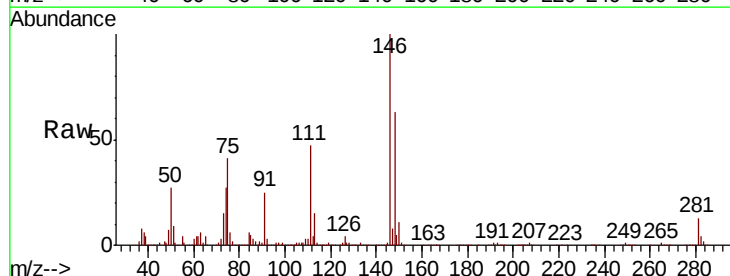
Ion	Ratio	Lower	Upper
119	100		
91	79.6	67.1	100.7
134	19.9	15.8	23.8

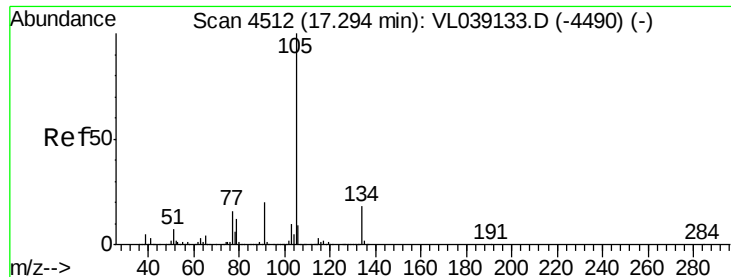


#66
 Benzyl Chloride
 Concen: 5.610 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T.: -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

Tgt Ion: 91 Resp: 486983

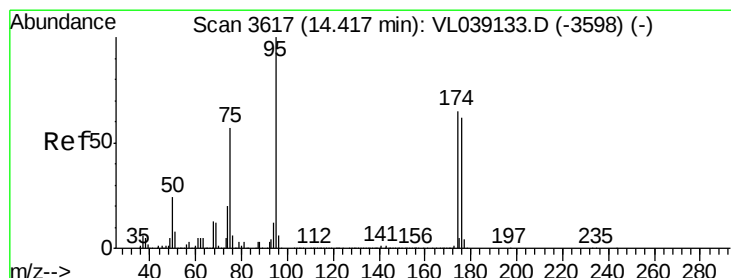
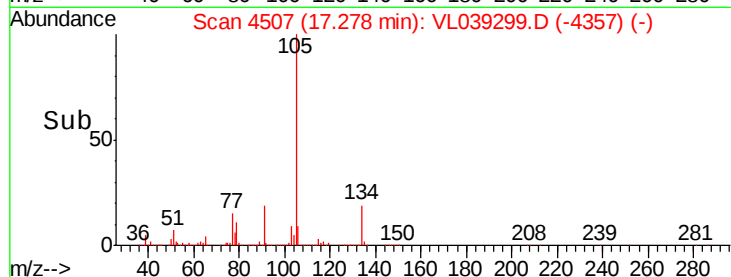
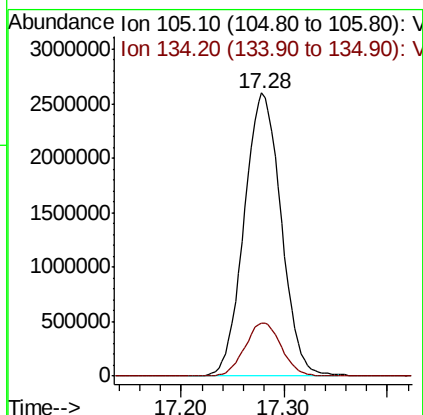
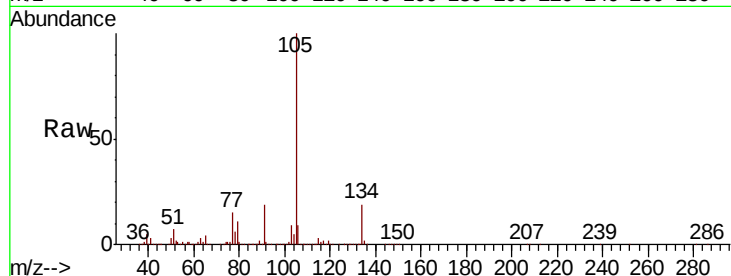
Ion	Ratio	Lower	Upper
91	100		
126	17.4	13.4	20.0
128	5.5	4.1	6.1





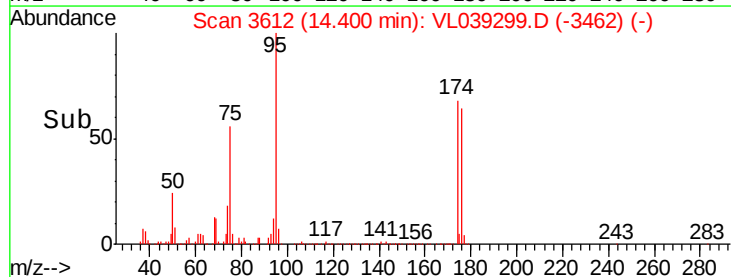
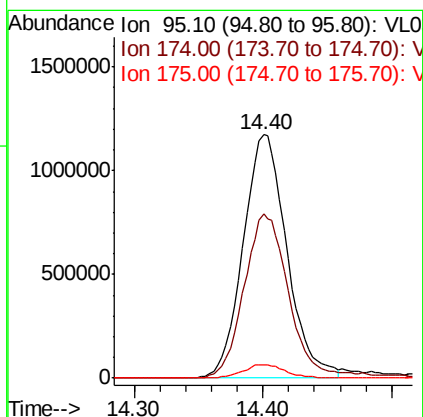
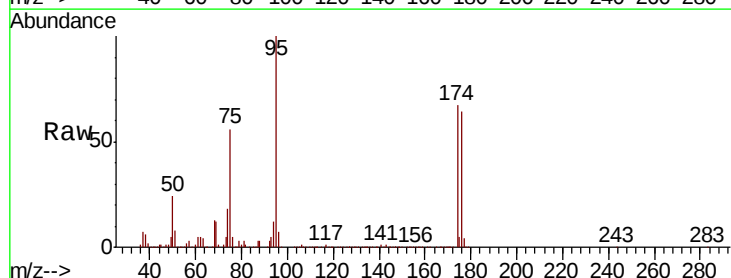
#67
 sec-Butylbenzene
 Concen: 7.103 ppbv
 RT: 17.28 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 15 Jun 2022 16:13

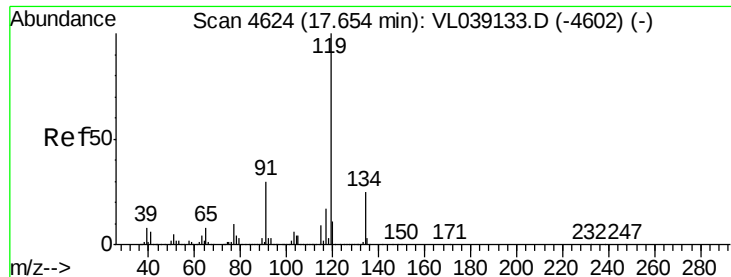
Tot Ion: 105 Resp: 6469454
 Ion Ratio Lower Upper
 105 100
 134 18.7 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.769 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T.: -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

Tgt Ion: 95 Resp: 2767961
 Ion Ratio Lower Upper
 95 100
 174 70.9 53.8 80.8
 175 5.6 4.1 6.1

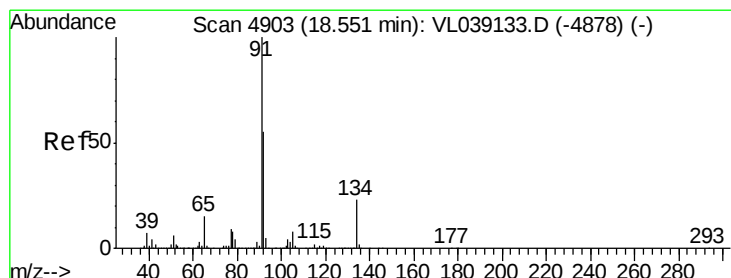
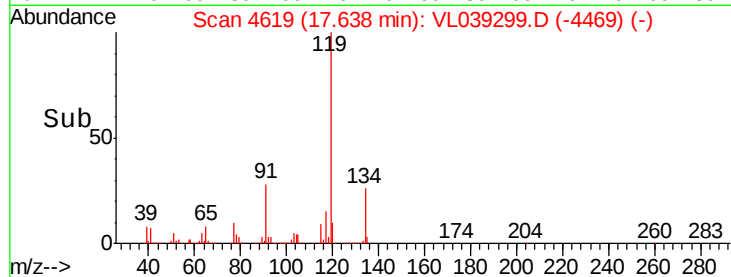
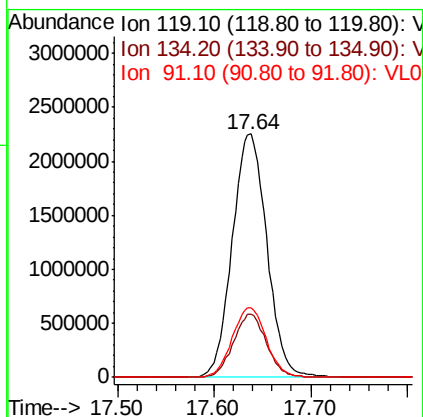
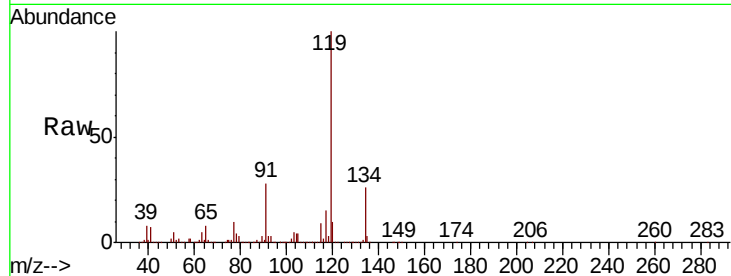




#69
 p-Isopropyltoluene
 Concen: 7.278 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 15 Jun 2022 16:13

Tot Ion: 119 Resp: 5592726

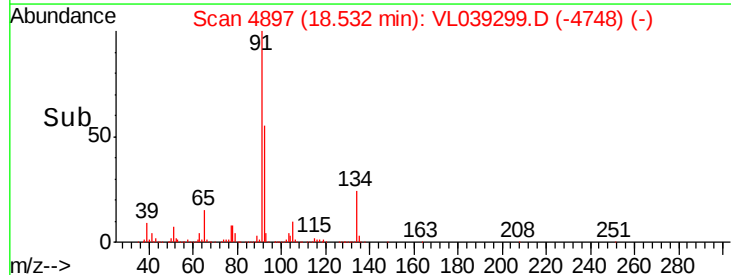
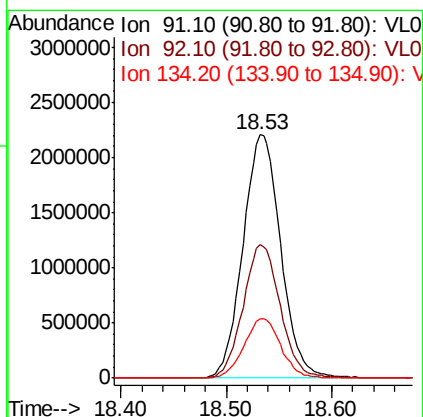
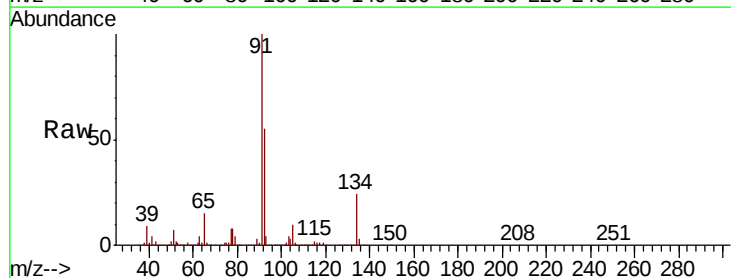
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	28.4	24.2	36.4

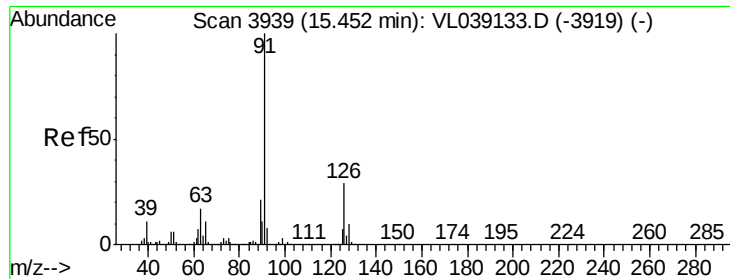


#70
 n-Butylbenzene
 Concen: 6.955 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T.: -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

Tgt Ion: 91 Resp: 5486216

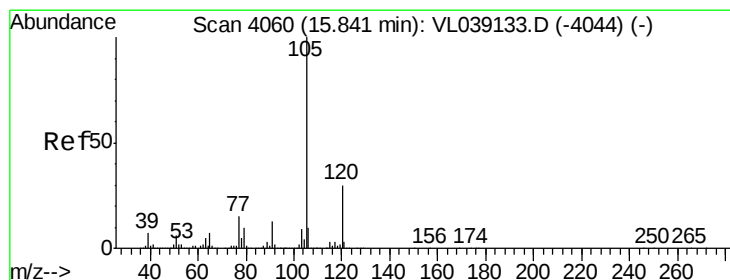
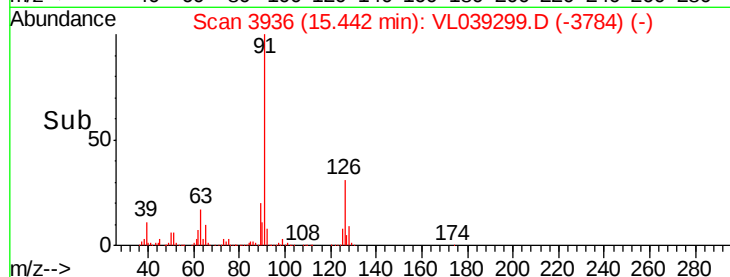
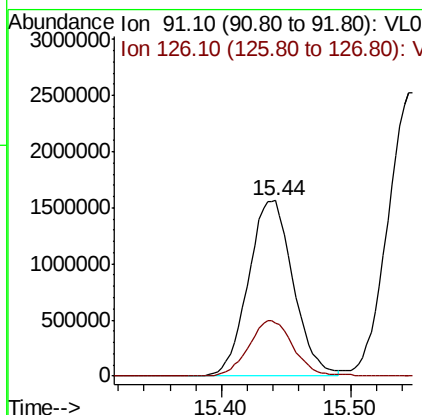
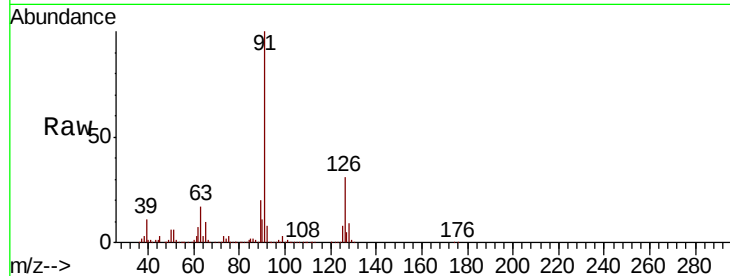
Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.6	65.4
134	24.1	17.7	26.5





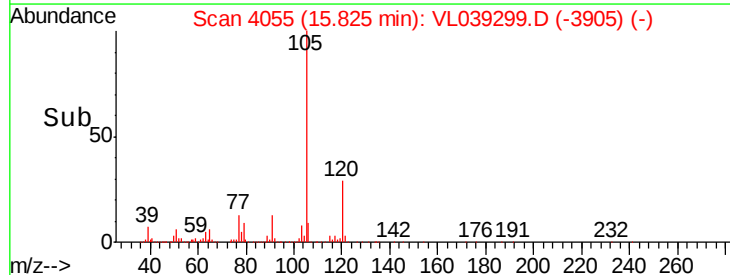
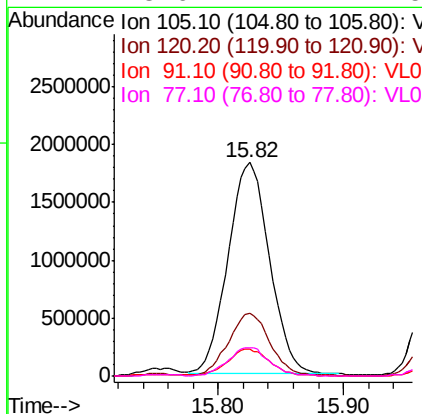
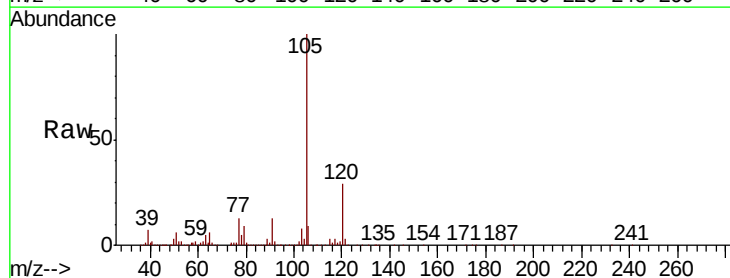
#71
 2-Chlorotoluene
 Concen: 6.799 ppbv
 RT: 15.44
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

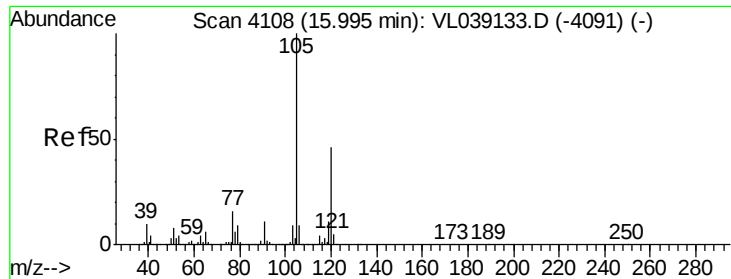
Tot Ion: 91 Resp: 3785252
 Ion Ratio Lower Upper
 91 100
 126 32.0 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 7.332 ppbv
 RT: 15.82 min Scan# 4055
 Delta R.T. -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

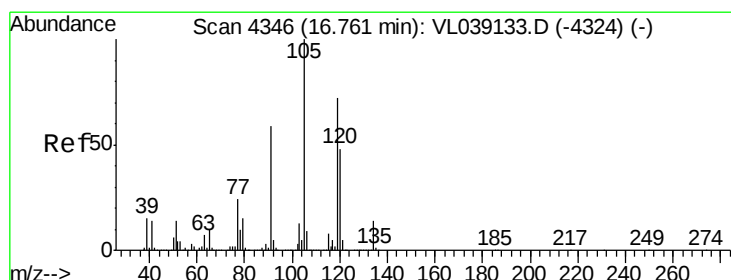
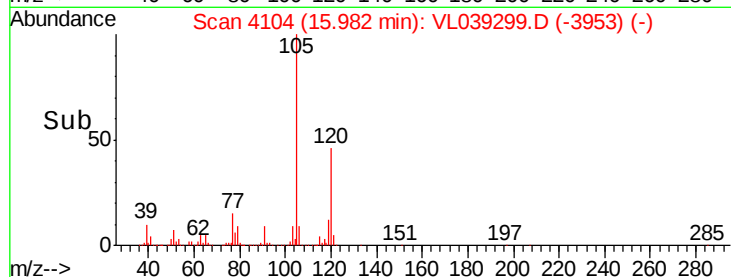
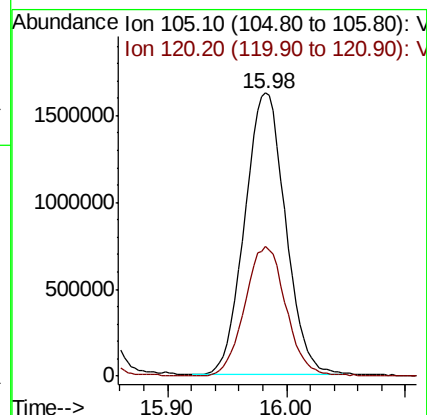
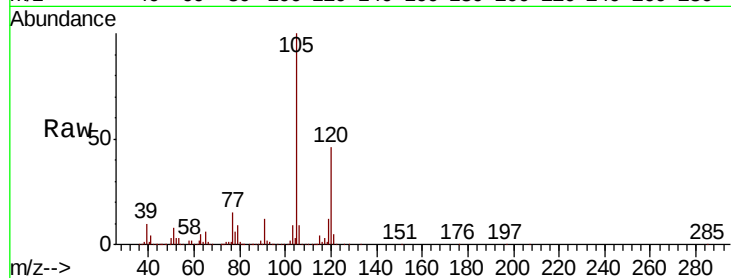
Tgt Ion:105 Resp: 4220611
 Ion Ratio Lower Upper
 105 100
 120 30.0 23.9 35.9
 91 12.8 10.6 16.0
 77 13.6 11.7 17.5





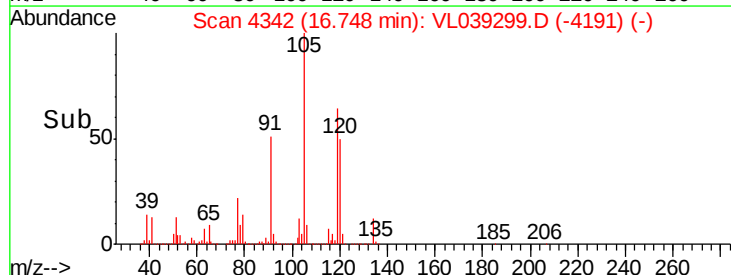
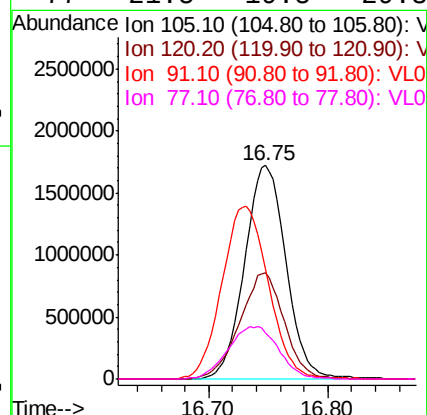
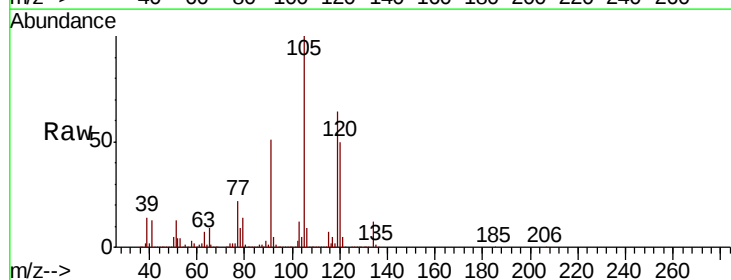
#73
 1,3,5-Trimethylbenzene
 Concen: 7.408 ppbv
 RT: 15.98 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 15 Jun 2022 16:13

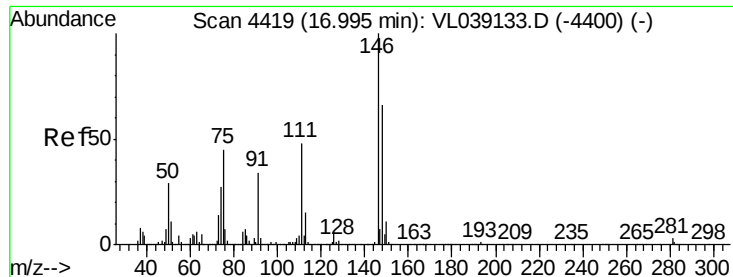
Tot Ion:105 Resp: 3846422
 Ion Ratio Lower Upper
 105 100
 120 46.0 36.7 55.1



#74
 1,2,4-Trimethylbenzene
 Concen: 7.119 ppbv
 RT: 16.75 min Scan# 4342
 Delta R.T. -0.01 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

Tgt Ion:105 Resp: 4124970
 Ion Ratio Lower Upper
 105 100
 120 49.6 38.1 57.1
 91 50.9 47.4 71.0
 77 21.5 19.5 29.3





#75

1,3-Dichlorobenzene

Concen: 7.381 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Jun 2022 16:13

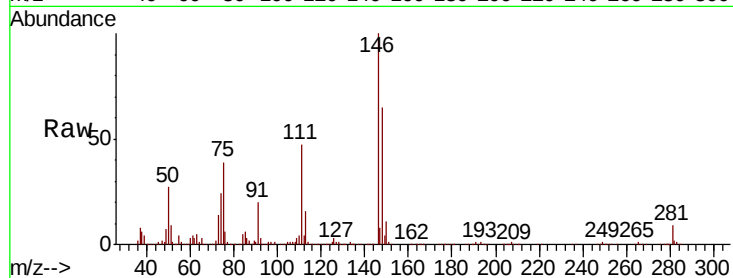
Tot Ion:146 Resp: 2420909

Ion Ratio Lower Upper

146 100

111 46.1 23.8 71.4

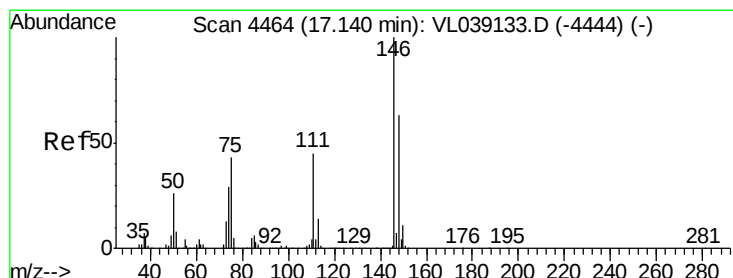
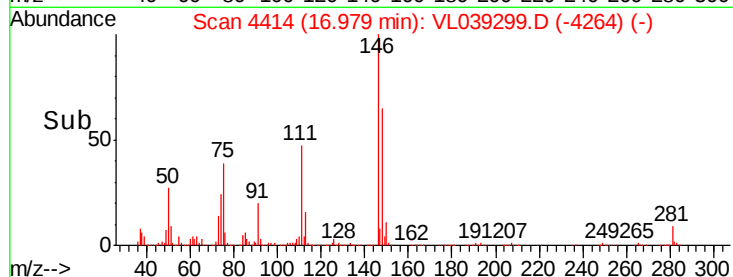
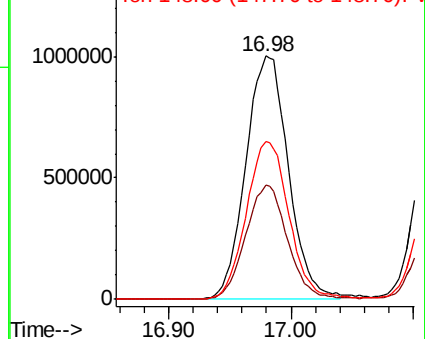
148 65.1 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.226 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.02 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

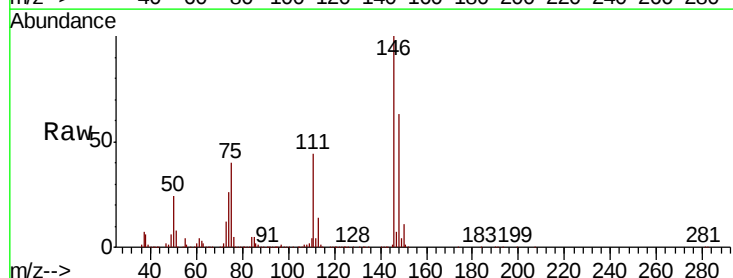
Tgt Ion:146 Resp: 2364693

Ion Ratio Lower Upper

146 100

111 45.8 23.6 71.0

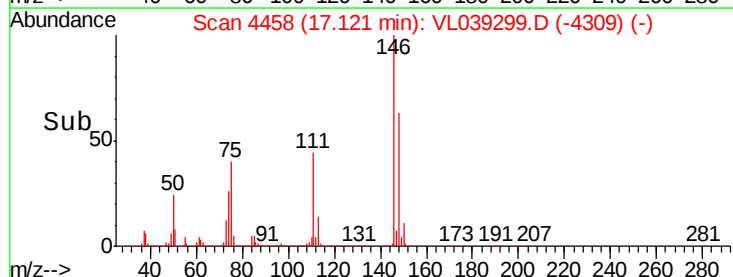
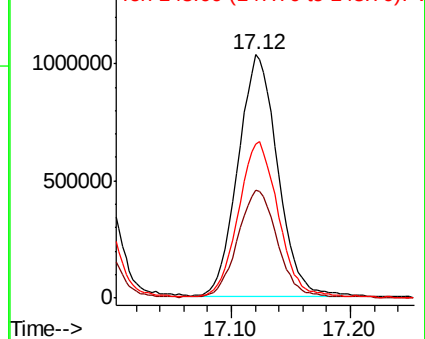
148 66.7 33.7 101.0

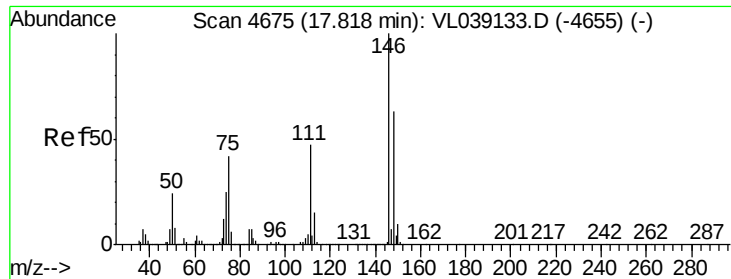


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

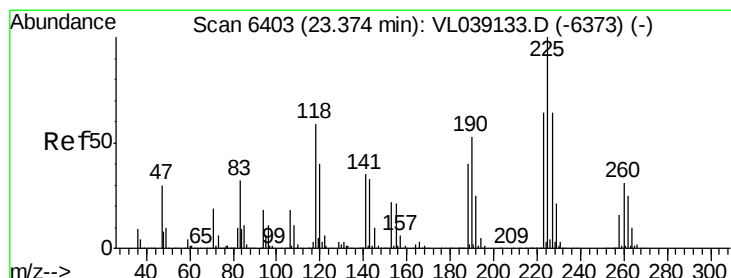
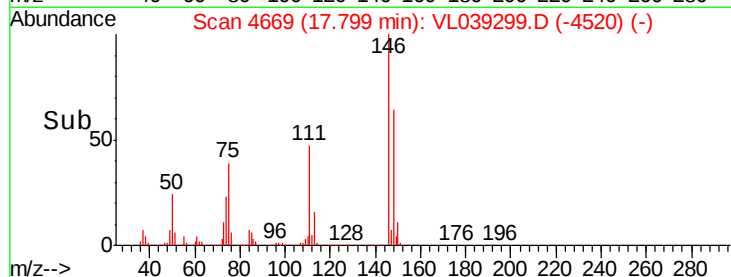
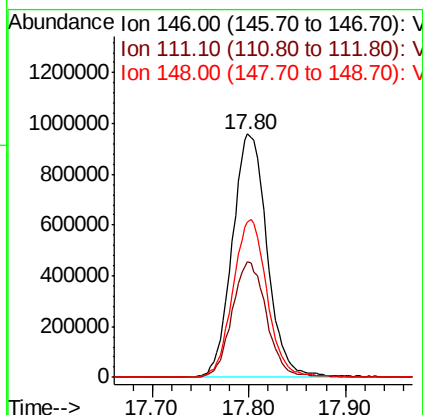
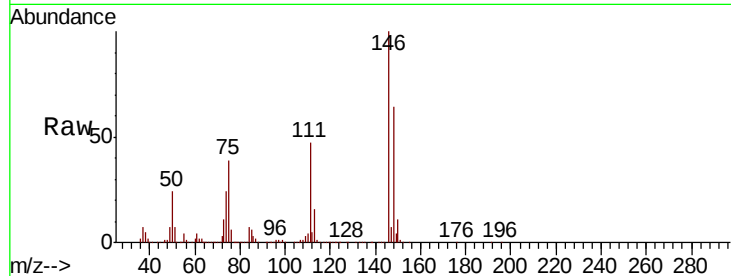




#77
 1,2-Dichlorobenzene
 Concen: 7.223 ppbv
 RT: 17.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 15 Jun 2022 16:13

Tot Ion:146 Resp: 2387583

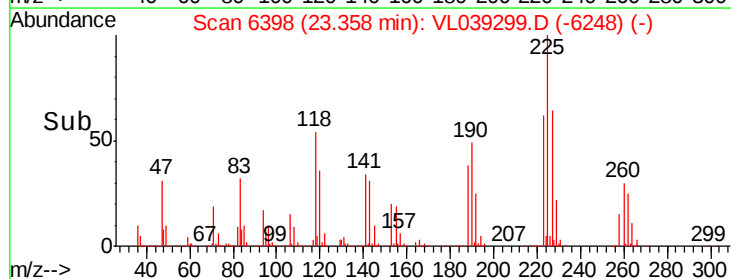
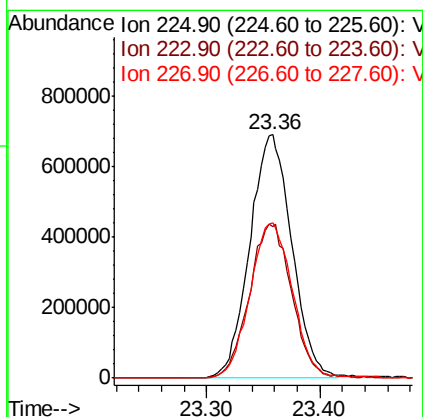
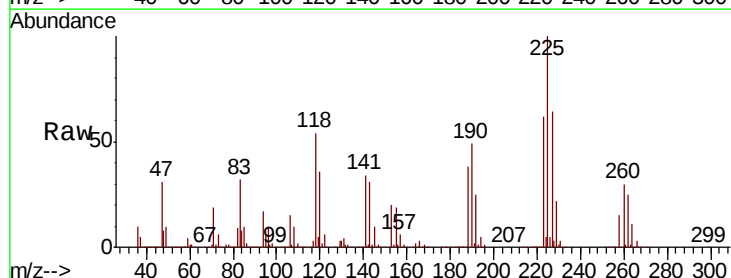
Ion	Ratio	Lower	Upper
146	100		
111	47.1	24.4	73.4
148	64.1	32.1	96.5

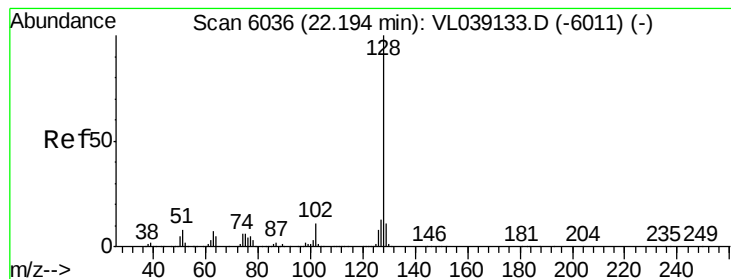


#78
 Hexachloro-1,3-Butadiene
 Concen: 5.888 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.02 min
 Lab File: VL039299.D
 Acq: 15 Jun 2022 16:13

Tgt Ion:225 Resp: 1779672

Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.4	77.0
227	64.8	50.6	75.8





#79

Naphthalene

Concen: 7.859 ppbv

RT: 22.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Jun 2022 16:13

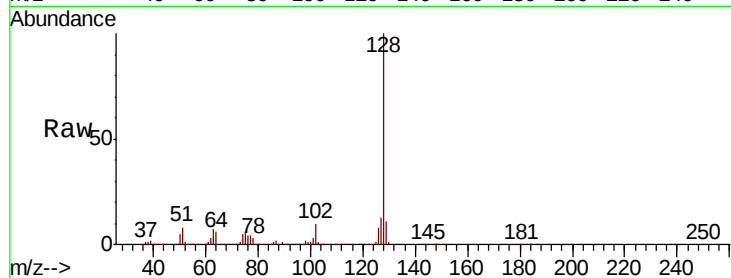
Tot Ion:128 Resp: 3505671

Ion Ratio Lower Upper

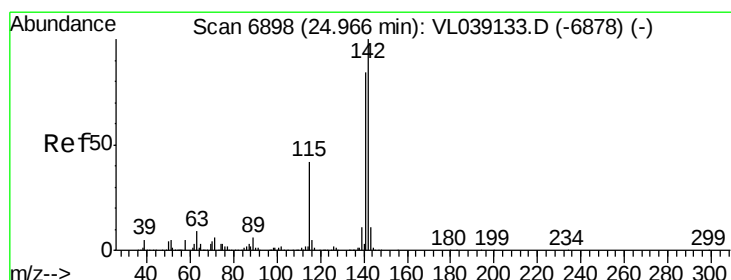
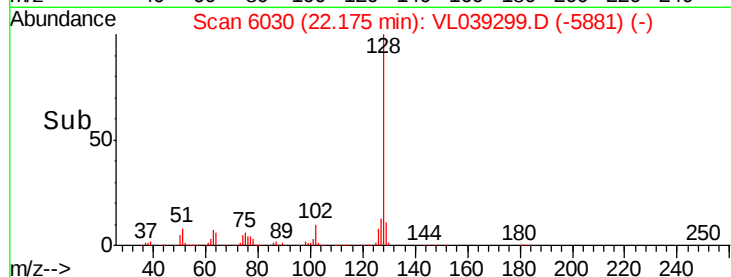
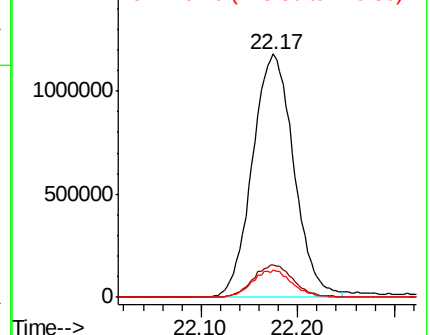
128 100

127 13.5 10.4 15.6

129 11.0 9.0 13.6



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: 6.808 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.01 min

Lab File: VL039299.D

Acq: 15 Jun 2022 16:13

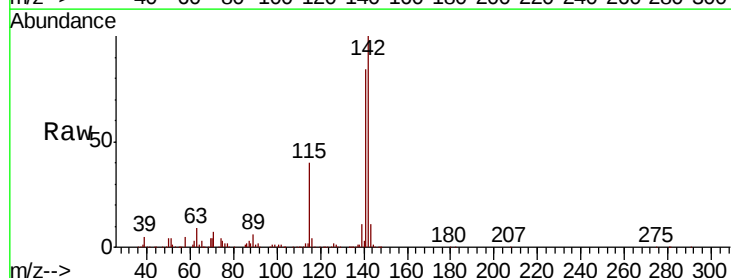
Tgt Ion:142 Resp: 1128153

Ion Ratio Lower Upper

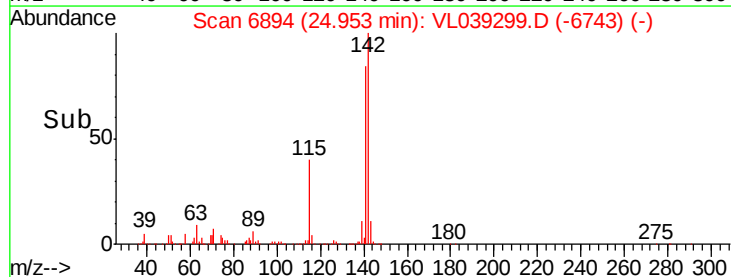
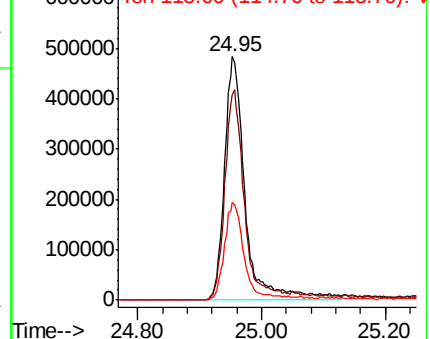
142 100

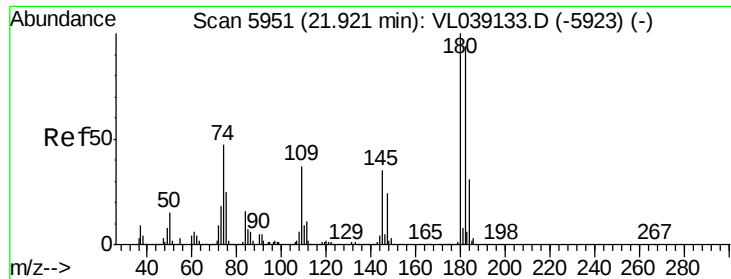
141 84.3 64.6 96.8

115 39.8 32.7 49.1



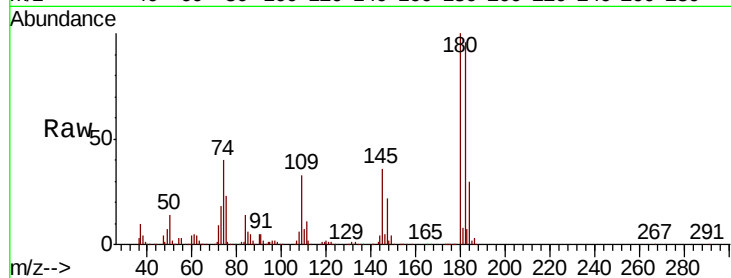
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.230 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 15 Jun 2022 18:13

Tot Ion:180 Resp: 2043062
 Ion Ratio Lower Upper
 180 100
 182 96.6 0.0 0.0#
 184 31.0 0.0 0.0#



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

