

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
 Data File : VL039360.D
 Acq On : 27 Jun 2022 13:45
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 28 02:30:19 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	5.67	49	1174898	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3261273	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3868994	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2365866	7.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	74.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	1630543	7.901	ppbv	100
3) Chlorodifluoromethane	2.99	51	1416795	9.477	ppbv	100
4) Chloromethane	3.14	50	759790	9.895	ppbv	100
5) Vinyl Chloride	3.26	62	735336	10.244	ppbv	97
6) Bromomethane	3.47	94	345288	9.778	ppbv	98
7) Chloroethane	3.56	64	280392	11.210	ppbv #	86
8) Dichlorotetrafluoroethane	3.19	85	1897617	10.061	ppbv	96
9) Propene	3.01	41	609888	9.356	ppbv	98
10) Heptane	8.13	43	1615596	10.625	ppbv	99
11) Trichlorofluoromethane	3.95	101	1906950	10.208	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1430755	11.582	ppbv	98
13) Ethanol	3.60	45	14424	4.058	ppbv #	100
14) Bromoethene	3.74	108	604846	10.891	ppbv	97
15) Acetone	3.85	43	1388236	11.343	ppbv	96
16) 1,3-Butadiene	3.33	39	736055	11.188	ppbv	96
17) tert-Butyl alcohol	4.29	59	1225377	12.908	ppbv	99
18) 1,1-Dichloroethene	4.29	96	641593	11.578	ppbv	94
19) Isopropyl Alcohol	3.96	45	713056	12.422	ppbv #	97
20) Methylene Chloride	4.35	84	502775	9.748	ppbv	93
21) Allyl Chloride	4.42	41	1005860	12.183	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	630650	11.828	ppbv	96
23) Vinyl Acetate	5.08	43	1129397	11.153	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1432317	10.324	ppbv	99
25) Ethyl Acetate	5.68	43	2897778	10.505	ppbv	99
26) Hexane	5.69	57	1216851	10.038	ppbv	95
27) Carbon Disulfide	4.55	76	1508638	12.008	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1326338	9.911	ppbv	99
29) Chloroform	5.75	83	1991410	9.763	ppbv	100
30) Cyclohexane	7.13	84	1055669	10.367	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1230997	9.959	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2042426	10.233	ppbv	99
34) 2-Butanone	5.24	43	1712363	9.665	ppbv	99
35) Carbon Tetrachloride	7.02	117	2189936	9.200	ppbv	97
36) Benzene	6.89	78	2548071	9.624	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1545877	8.872	ppbv	98
38) Trichloroethene	7.84	130	1361790	11.198	ppbv	93
39) 1,2-Dichloropropane	7.62	63	942093	8.946	ppbv	95
40) 1,4-Dioxane	7.83	88	358540	10.341	ppbv #	1
41) Tetrahydrofuran	6.05	42	984139	9.235	ppbv	100
42) Bromodichloromethane	7.79	83	2164651	8.951	ppbv	97
43) Methyl Methacrylate	8.01	69	1035843	10.044	ppbv	98

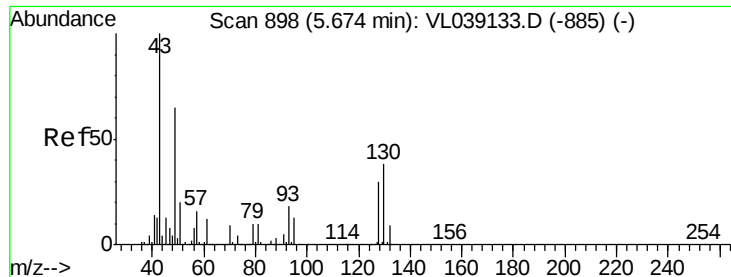
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062722\
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 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4308679	9.302	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	1008371	9.388	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1327152	9.353	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1072297	9.760	ppbv	98
48) Dibromochloromethane	10.31	129	1940566	9.892	ppbv	98
49) Bromoform	13.04	173	1578028	9.652	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2658000	10.022	ppbv	99
51) 2-Hexanone	10.13	43	2008483	9.733	ppbv #	98
52) Tetrachloroethene	11.23	164	517650	5.007	ppbv	99
53) Toluene	9.81	91	3065799	10.056	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1435192	9.721	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.13	131	1403144	7.664	ppbv	99
57) Chlorobenzene	12.15	112	2376828	8.165	ppbv	96
58) Ethyl Benzene	12.71	91	4170658	7.826	ppbv	98
59) m/p-Xylene	13.00	91	3881214	8.270	ppbv #	37
60) o-Xylene	13.69	91	3471254	7.871	ppbv	100
61) Styrene	13.53	104	2010567	8.514	ppbv	96
62) Isopropylbenzene	14.67	105	5123170	7.816	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1724453	6.967	ppbv	100
64) n-propylbenzene	15.56	120	1362429	8.456	ppbv	88
65) tert-Butylbenzene	16.74	119	4729793	7.891	ppbv	95
66) Benzyl Chloride	16.99	91	490101	6.289	ppbv	99
67) sec-Butylbenzene	17.29	105	6417860	7.848	ppbv	99
69) p-Isopropyltoluene	17.65	119	5561703	8.061	ppbv	98
70) n-Butylbenzene	18.55	91	5441461	7.684	ppbv	99
71) 2-Chlorotoluene	15.45	91	3765785	7.534	ppbv	97
72) 4-Ethyltoluene	15.84	105	4256684	8.236	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3849315	8.257	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4125219	7.930	ppbv #	91
75) 1,3-Dichlorobenzene	17.00	146	2400103	8.151	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2342628	7.974	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2346392	7.906	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1768454	6.517	ppbv	99
79) Naphthalene	22.19	128	3419074	8.538	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1119188	7.522	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	1978235	7.797	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 27 Jun 2022 13:45

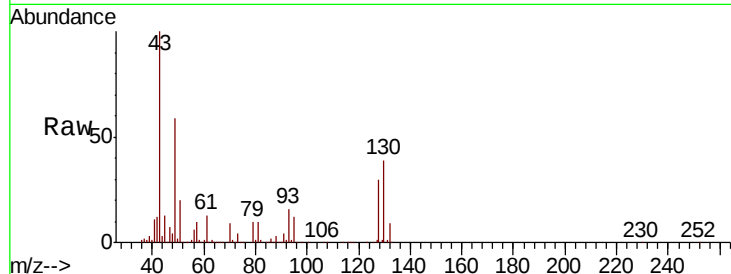
Tot Ion: 49 Resp: 1174898

Ion Ratio Lower Upper

49 100

128 53.5 24.7 74.1

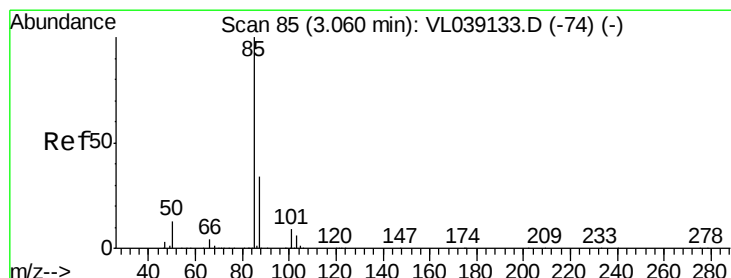
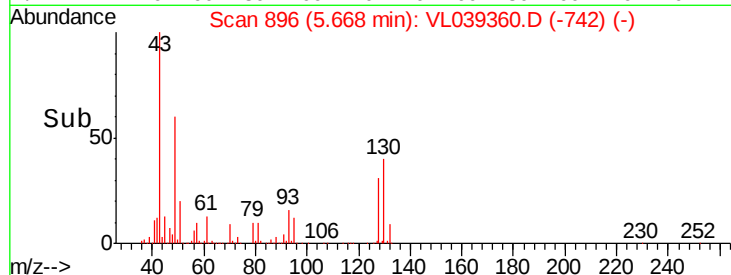
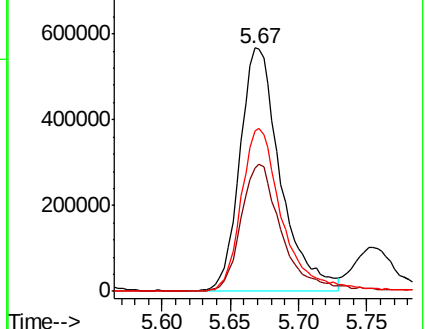
130 68.9 31.4 94.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.901 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.01 min

Lab File: VL039360.D

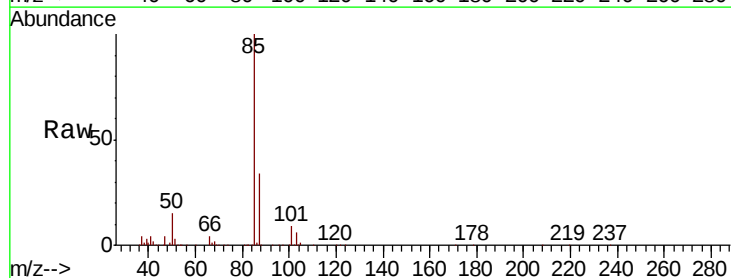
Acq: 27 Jun 2022 13:45

Tgt Ion: 85 Resp: 1630543

Ion Ratio Lower Upper

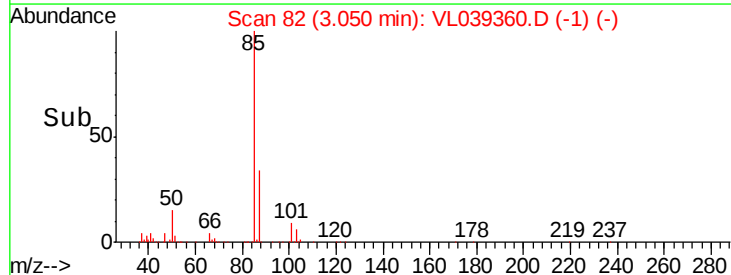
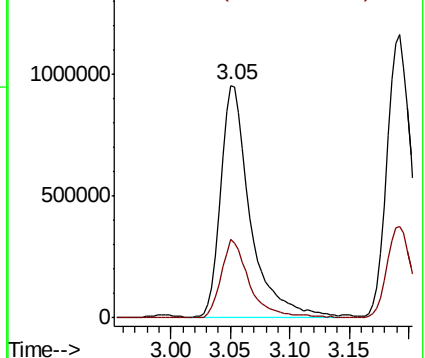
85 100

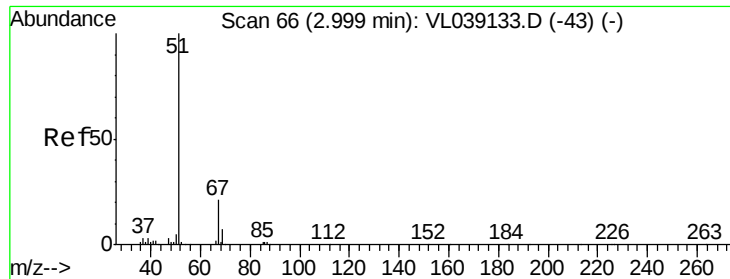
87 33.8 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.477 ppbv

RT: 2.99 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

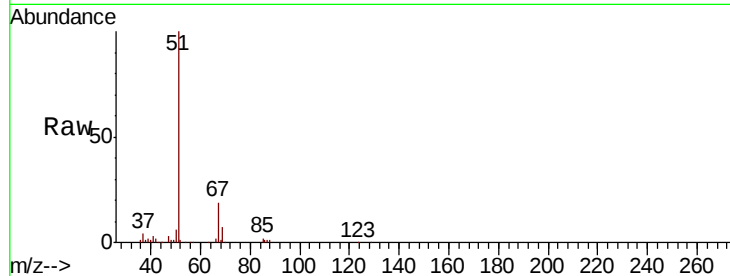
Acq: 27 Jun 2022 13:45

Tot Ion: 51 Resp: 1416795

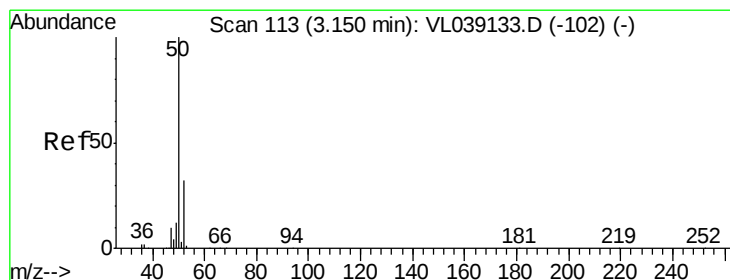
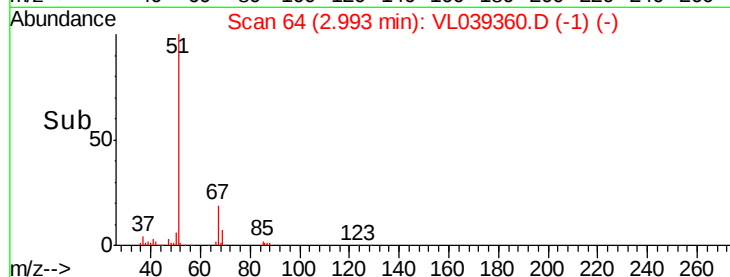
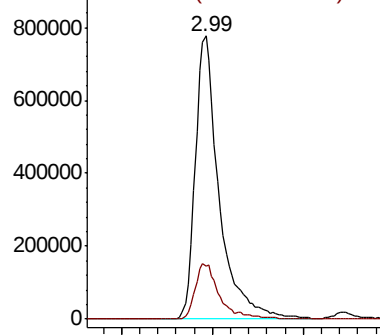
Ion Ratio Lower Upper

51 100

67 20.2 16.2 24.4



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.895 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039360.D

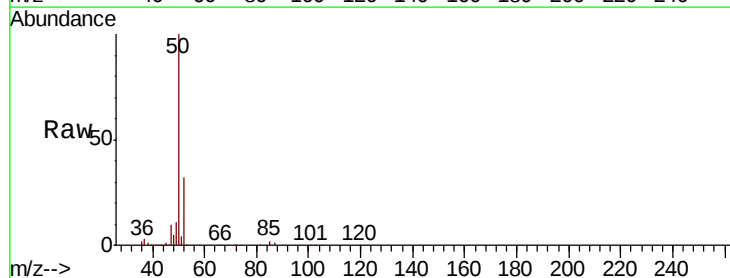
Acq: 27 Jun 2022 13:45

Tgt Ion: 50 Resp: 759790

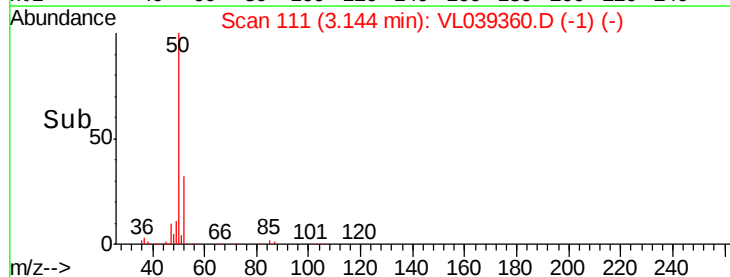
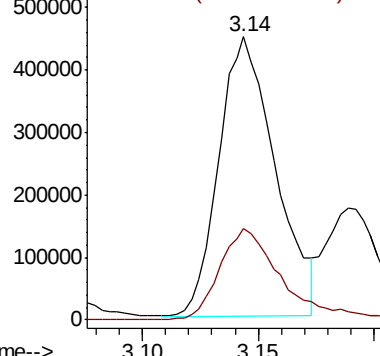
Ion Ratio Lower Upper

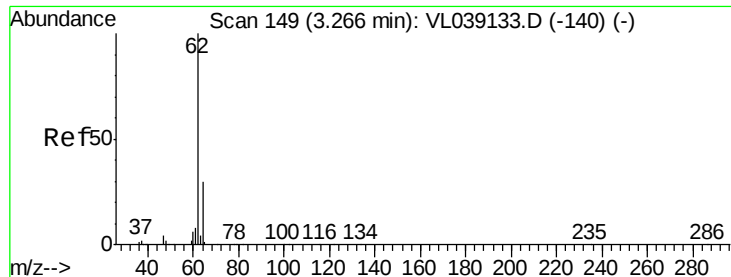
50 100

52 32.4 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.244 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

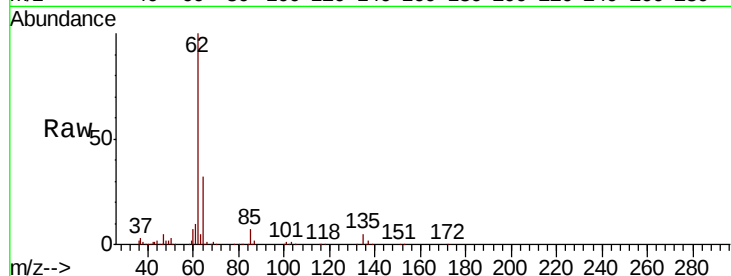
Acq: 27 Jun 2022 13:45

Tot Ion: 62 Resp: 735336

Ion Ratio Lower Upper

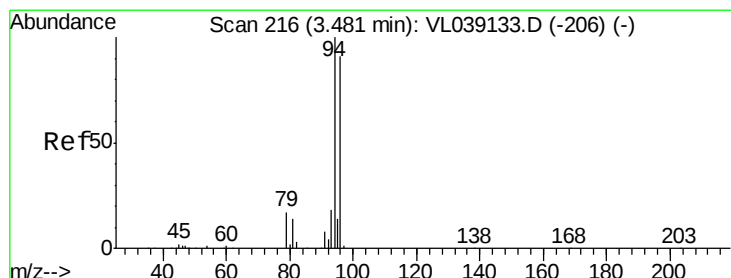
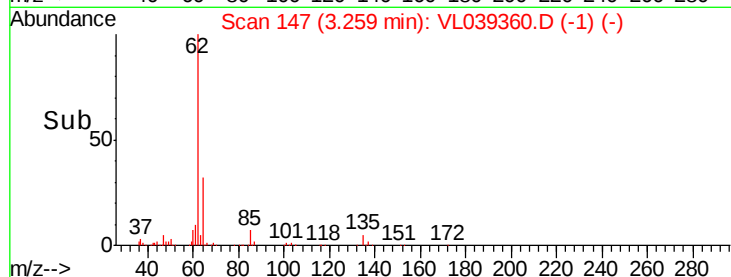
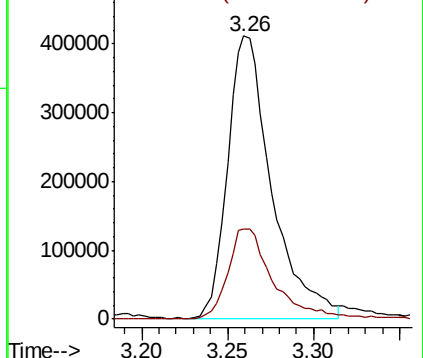
62 100

64 31.9 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.778 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL039360.D

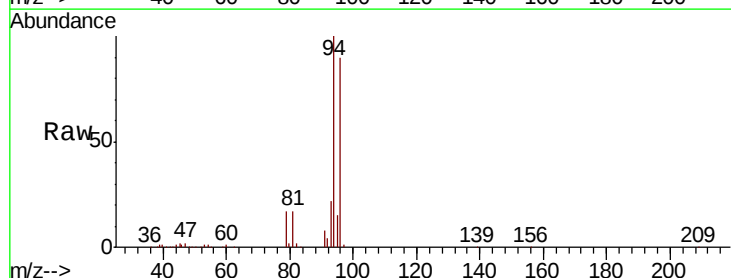
Acq: 27 Jun 2022 13:45

Tgt Ion: 94 Resp: 345288

Ion Ratio Lower Upper

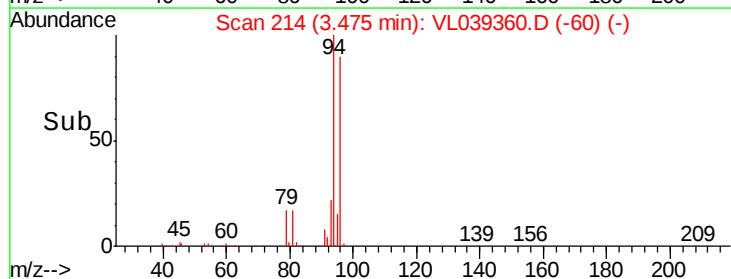
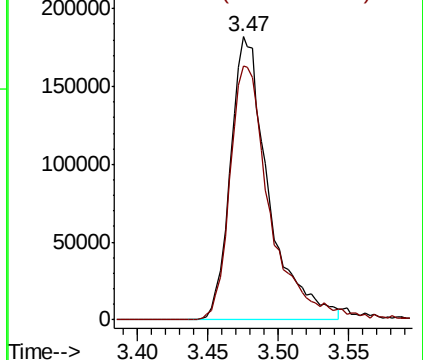
94 100

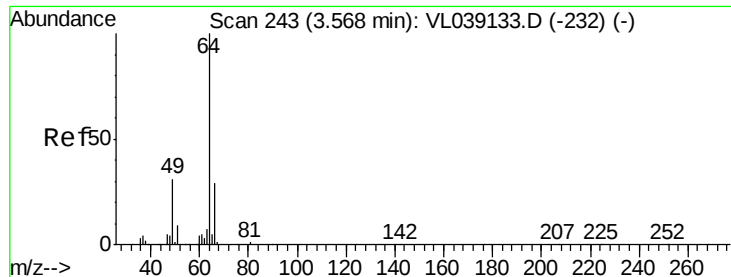
96 89.4 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.210 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

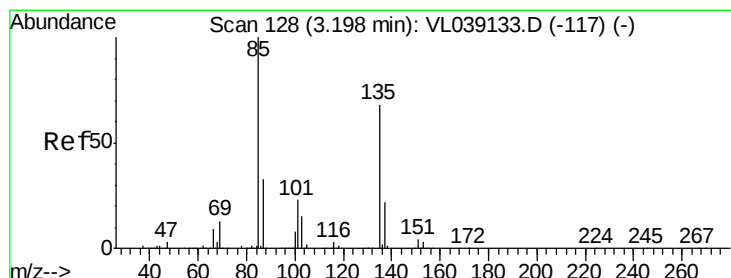
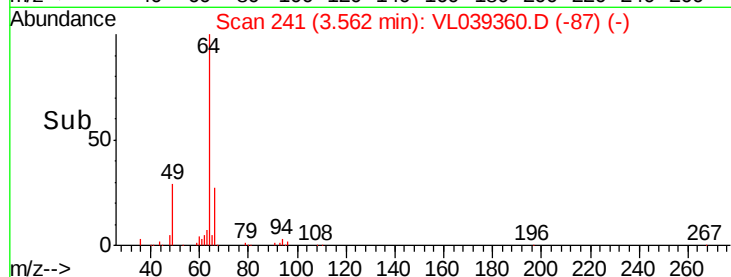
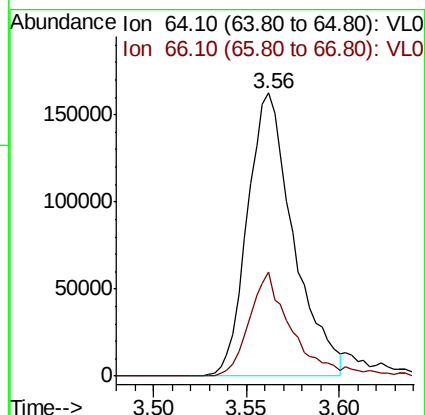
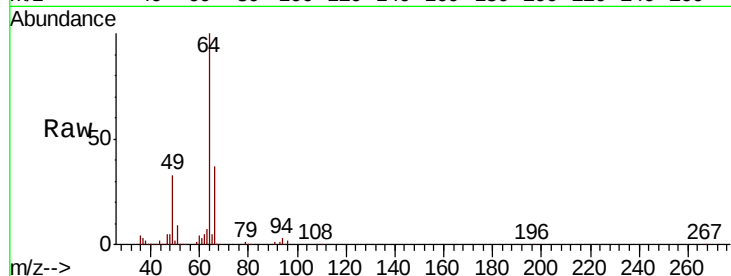
Acq: 27 Jun 2022 13:45 VSTDCCC010

Tot Ion: 64 Resp: 280392

Ion Ratio Lower Upper

64 100

66 36.9 23.6 35.4#



#8

Dichlorotetrafluoroethane

Concen: 10.061 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.01 min

Lab File: VL039360.D

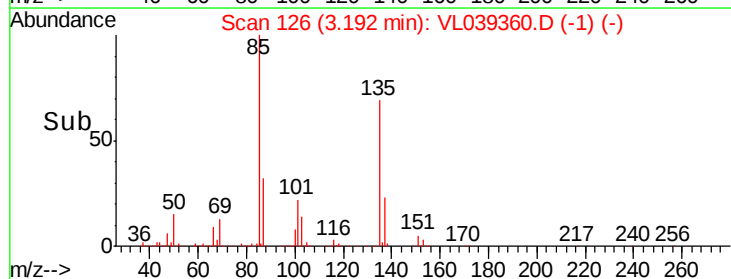
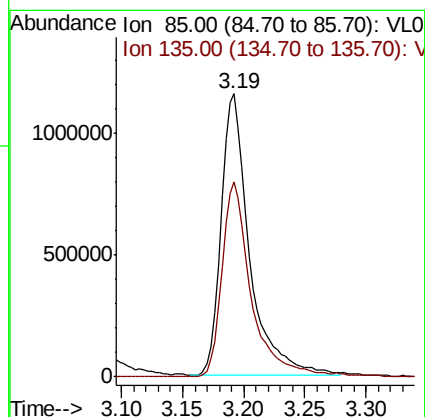
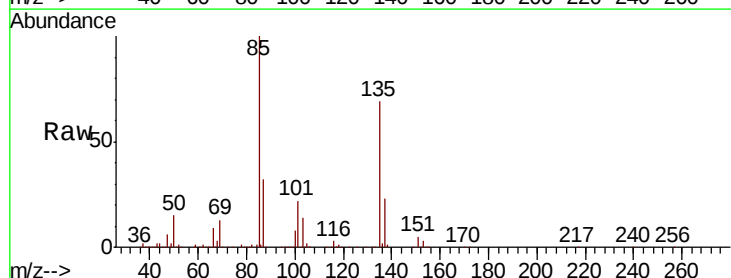
Acq: 27 Jun 2022 13:45

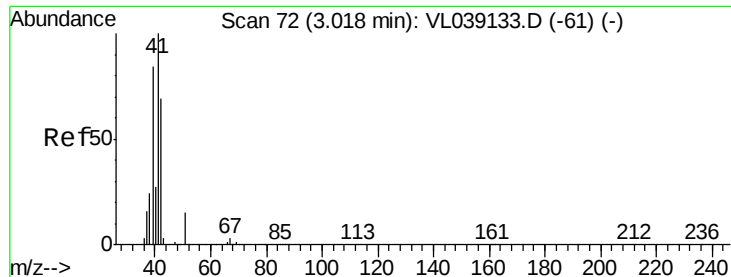
Tgt Ion: 85 Resp: 1897617

Ion Ratio Lower Upper

85 100

135 72.1 55.0 82.4





#9

Propene

Concen: 9.356 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

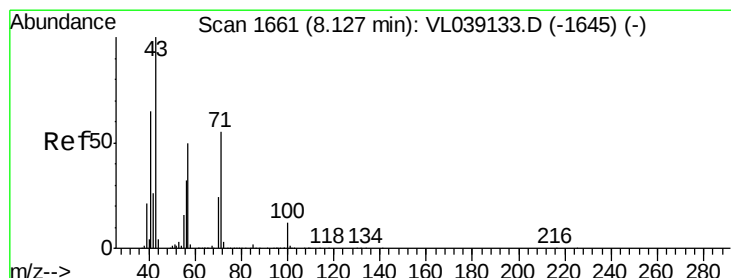
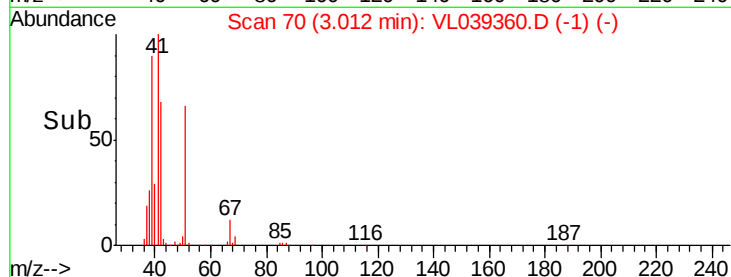
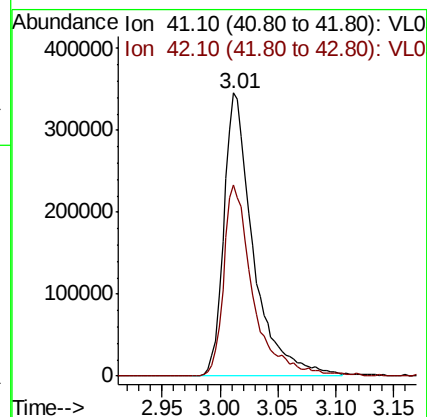
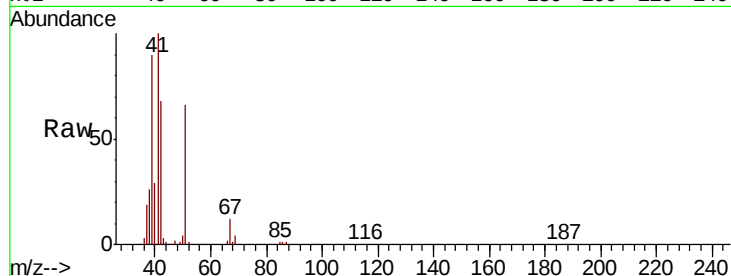
Acq: 27 Jun 2022 13:45 VSTDCCC010

Tot Ion: 41 Resp: 609888

Ion Ratio Lower Upper

41 100

42 67.6 55.4 83.2



#10

Heptane

Concen: 10.625 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL039360.D

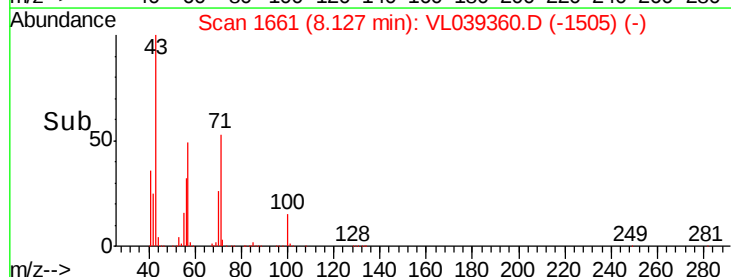
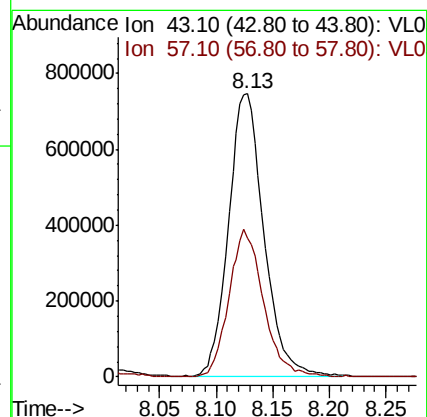
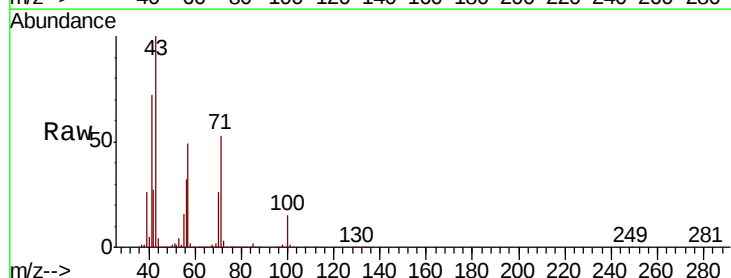
Acq: 27 Jun 2022 13:45

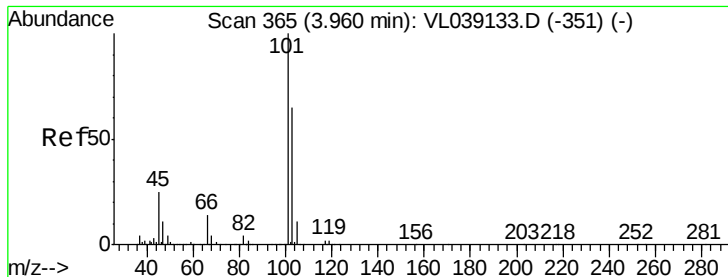
Tgt Ion: 43 Resp: 1615596

Ion Ratio Lower Upper

43 100

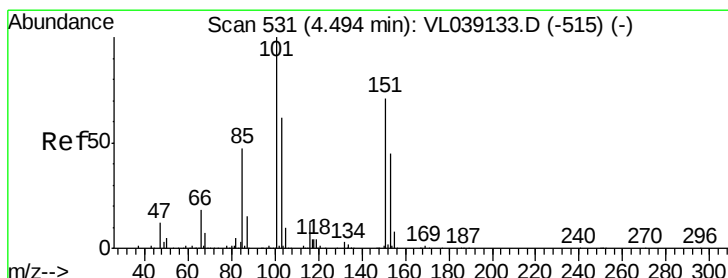
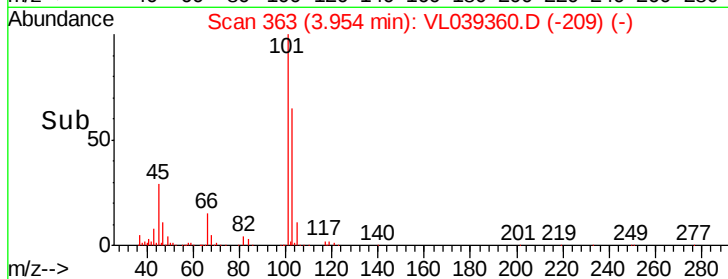
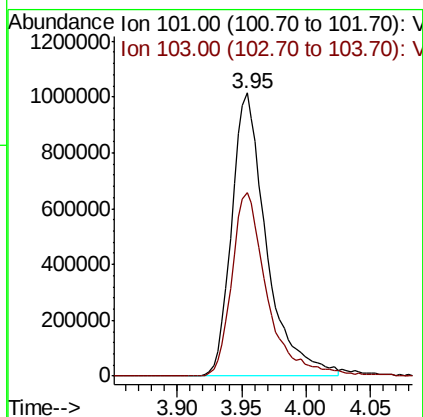
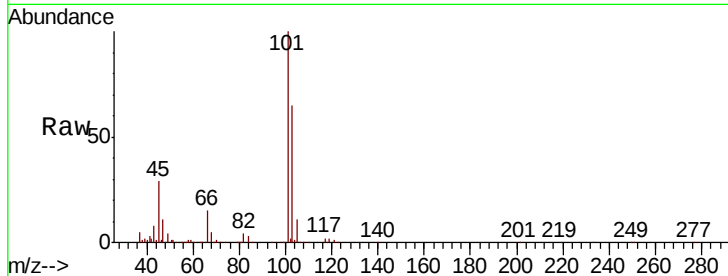
57 51.0 41.4 62.2





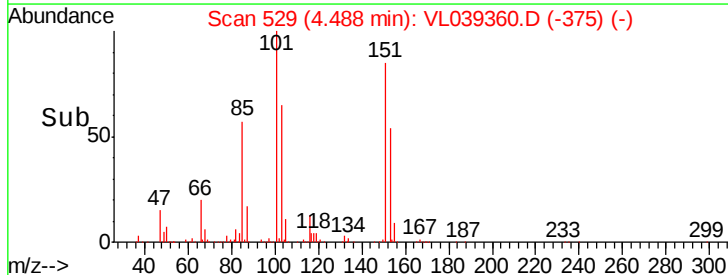
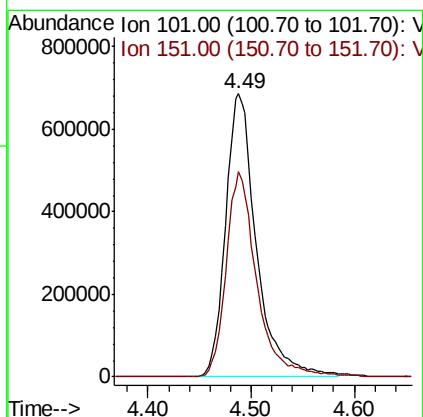
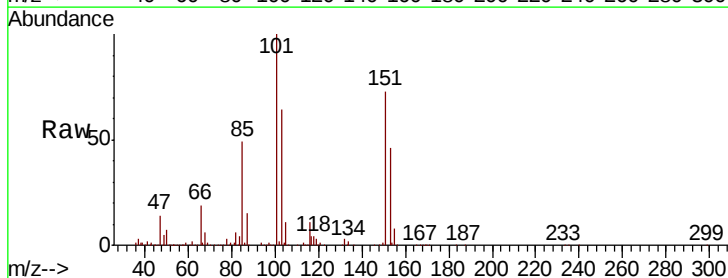
#11
 Trichlorofluoromethane
 Concen: 10.208 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 27 Jun 2022 13:45

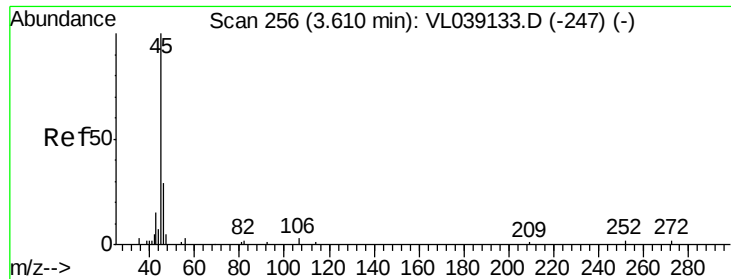
Tot Ion:101 Resp: 1906950
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.582 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VL039360.D
 Acq: 27 Jun 2022 13:45

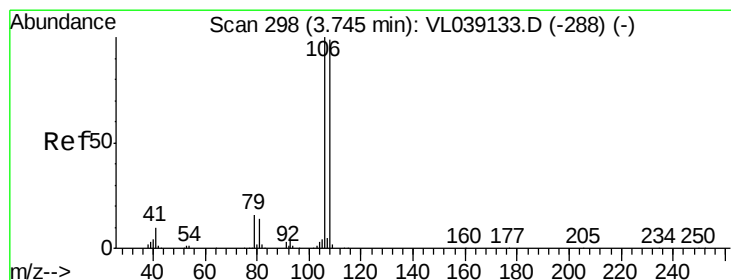
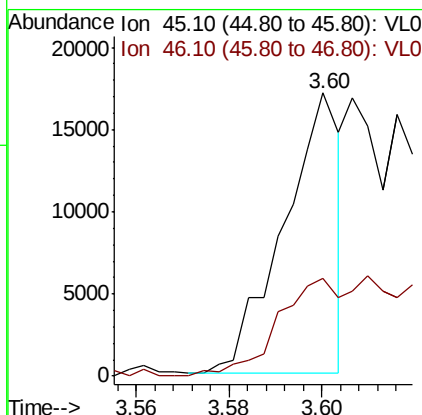
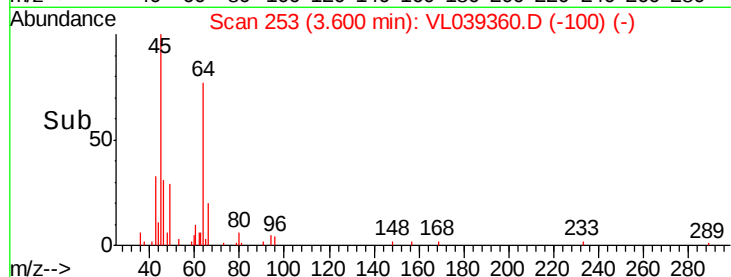
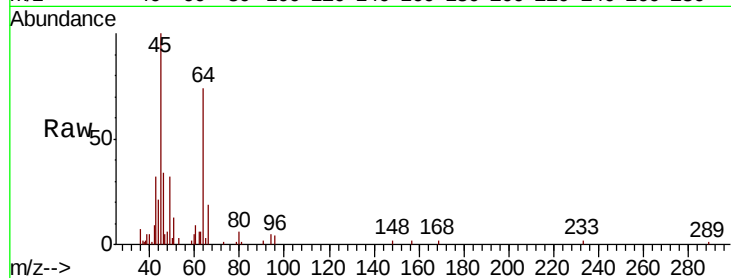
Tgt Ion:101 Resp: 1430755
 Ion Ratio Lower Upper
 101 100
 151 72.3 59.4 89.0





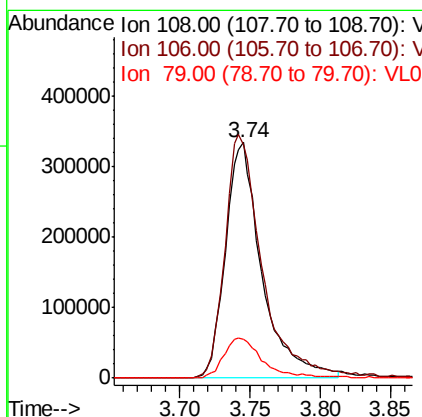
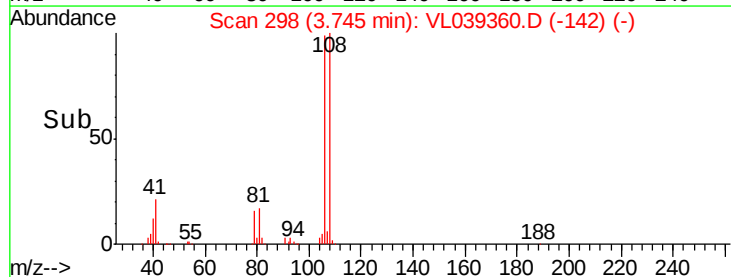
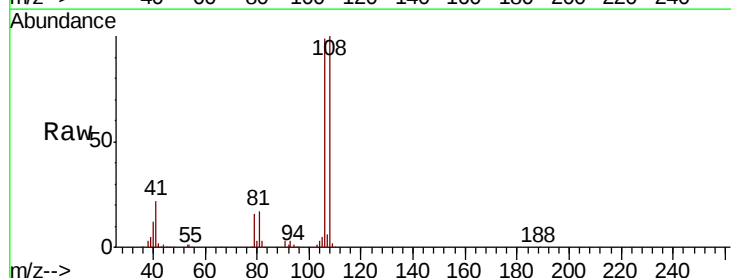
#13
 Ethanol
 Concen: 4.058 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Jun 2022 13:45

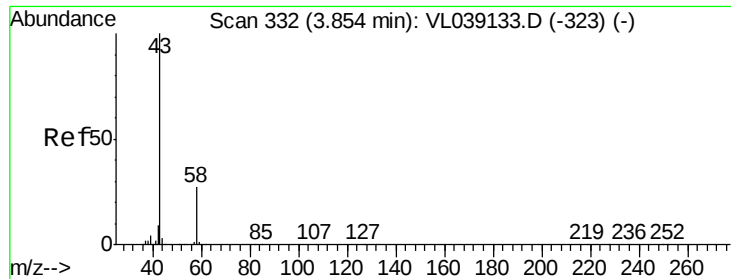
Tot Ion: 45 Resp: 14424
 Ion Ratio Lower Upper
 45 100
 46 125.7 0.0 0.0#



#14
 Bromoethene
 Concen: 10.891 ppbv
 RT: 3.74 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VL039360.D
 Acq: 27 Jun 2022 13:45

Tgt Ion: 108 Resp: 604846
 Ion Ratio Lower Upper
 108 100
 106 107.2 88.4 132.6
 79 18.9 13.4 20.2





#15

Acetone

Concen: 11.343 ppbv

RT: 3.85 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

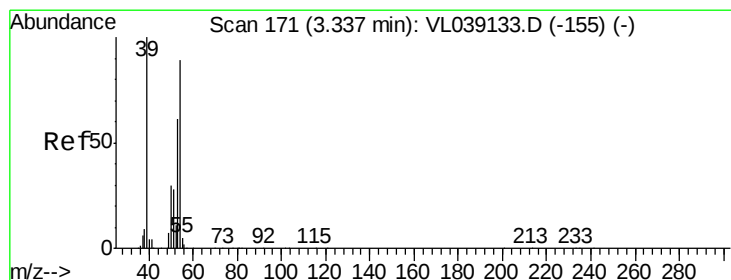
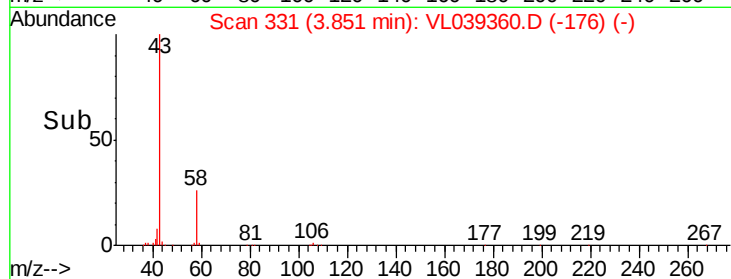
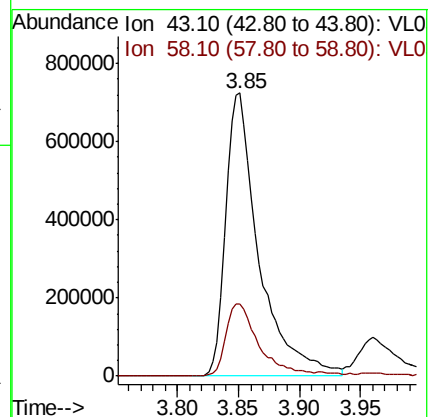
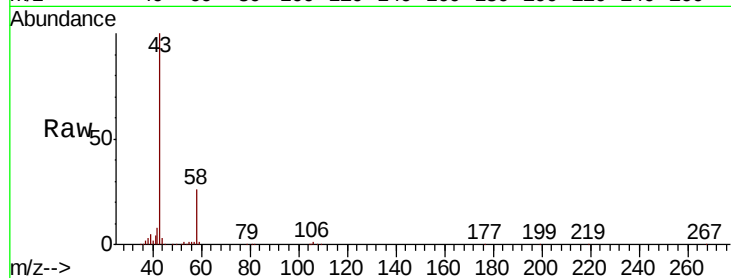
Acq: 27 Jun 2022 13:45

Tot Ion: 43 Resp: 1388236

Ion Ratio Lower Upper

43 100

58 26.2 22.5 33.7



#16

1,3-Butadiene

Concen: 11.188 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.01 min

Lab File: VL039360.D

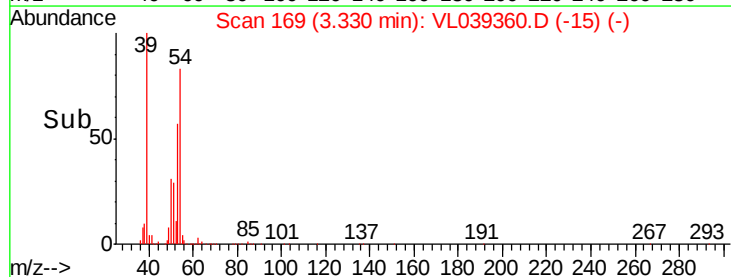
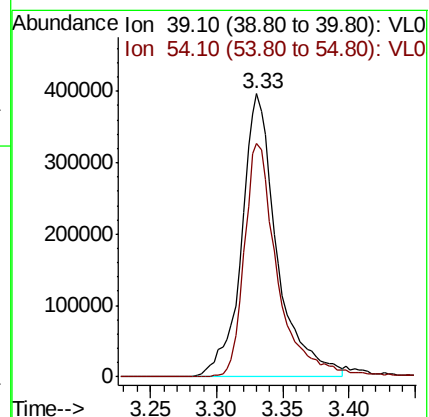
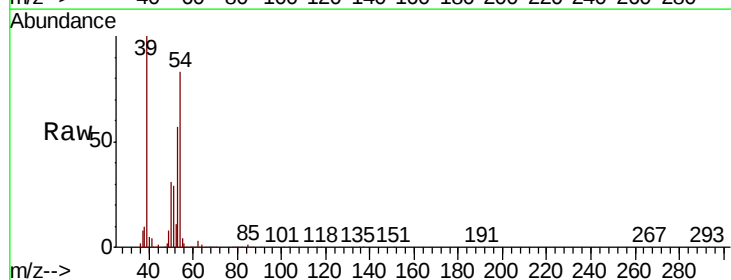
Acq: 27 Jun 2022 13:45

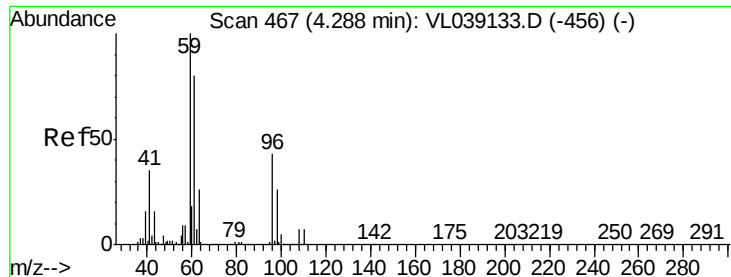
Tgt Ion: 39 Resp: 736055

Ion Ratio Lower Upper

39 100

54 78.5 65.8 98.6





#17

tert-Butyl alcohol

Concen: 12.908 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

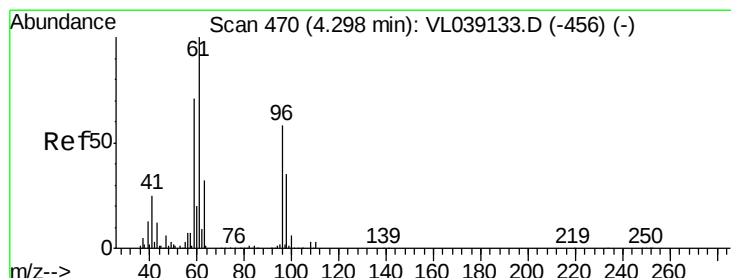
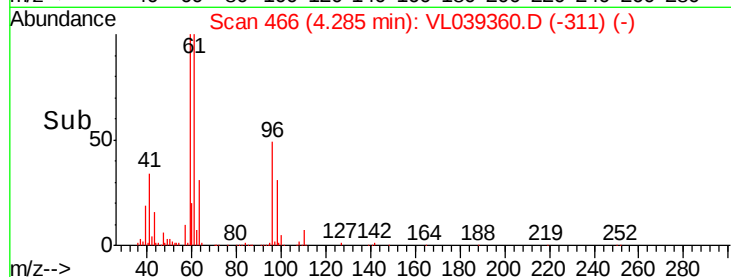
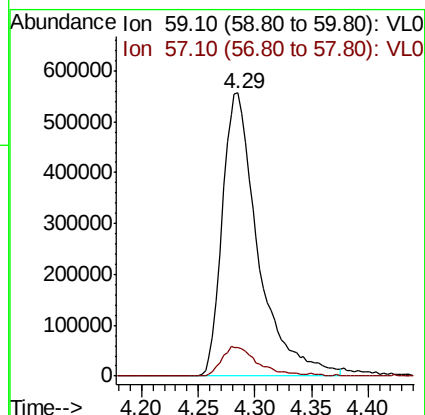
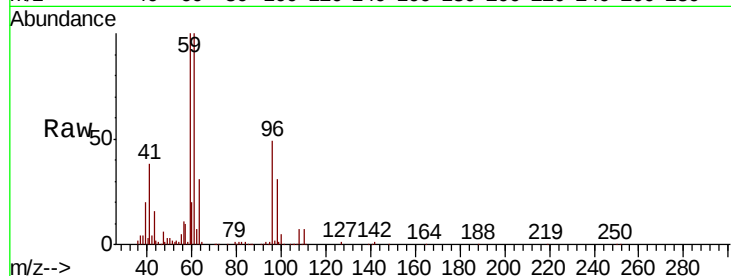
Acq: 27 Jun 2022 13:45 VSTDCCC010

Tot Ion: 59 Resp: 1225377

Ion Ratio Lower Upper

59 100

57 11.0 9.1 13.7



#18

1,1-Dichloroethene

Concen: 11.578 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

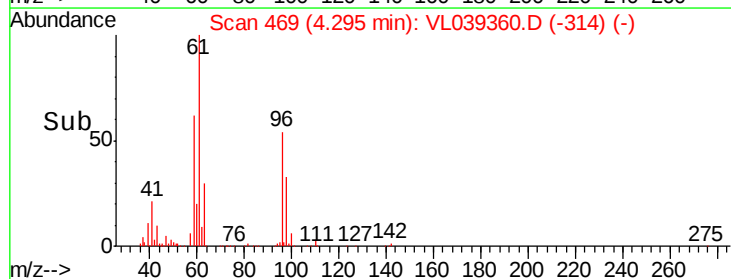
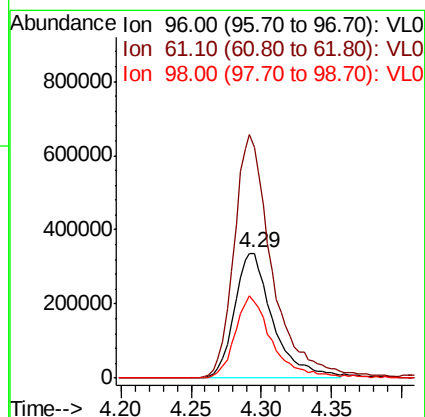
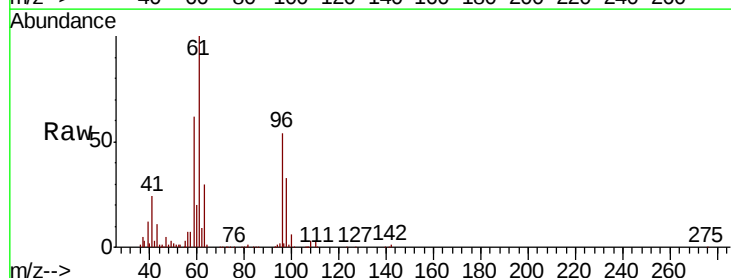
Tgt Ion: 96 Resp: 641593

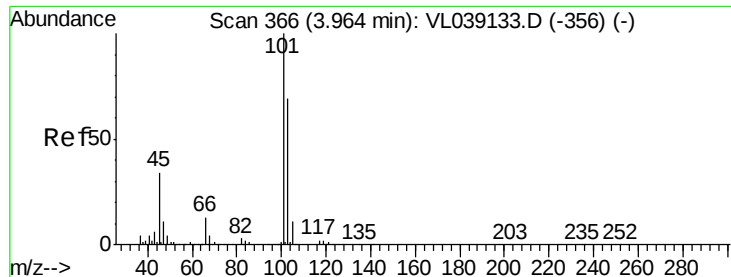
Ion Ratio Lower Upper

96 100

61 184.4 138.4 207.6

98 60.9 47.8 71.8





#19

Isopropyl Alcohol

Concen: 12.422 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

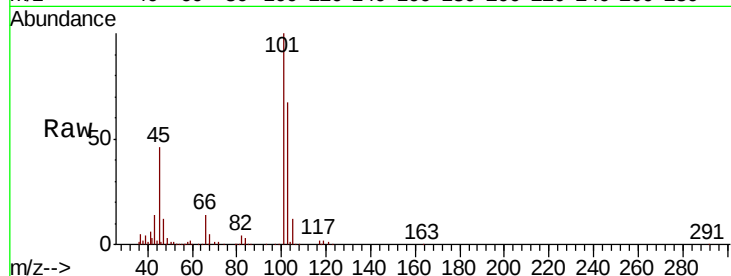
Acq: 27 Jun 2022 13:45

Tot Ion: 45 Resp: 713056

Ion Ratio Lower Upper

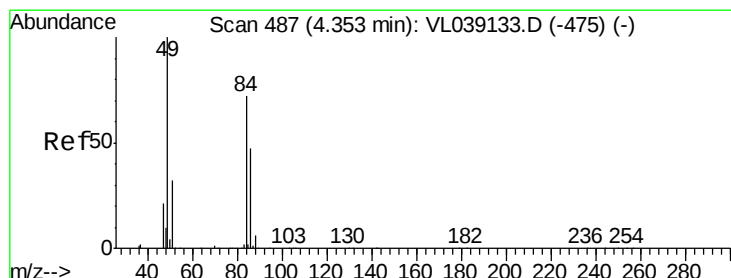
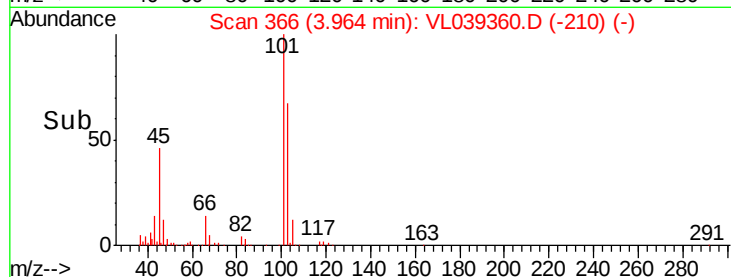
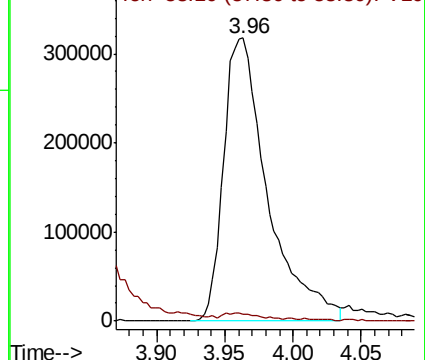
45 100

58 3.5 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.748 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.01 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

Tgt Ion: 84 Resp: 502775

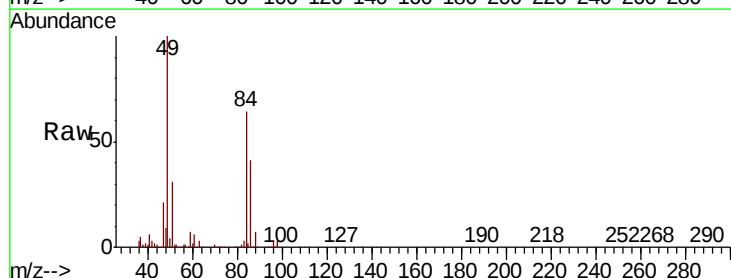
Ion Ratio Lower Upper

84 100

49 152.7 111.1 166.7

51 46.5 35.3 52.9

86 64.6 51.9 77.9

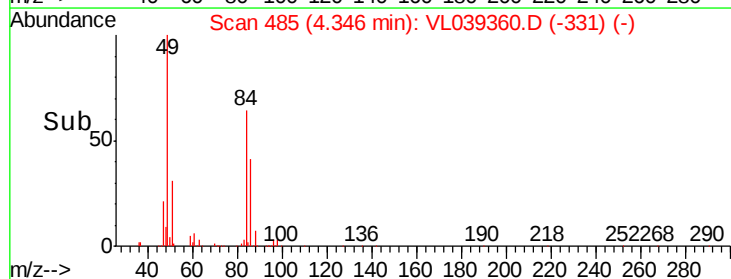
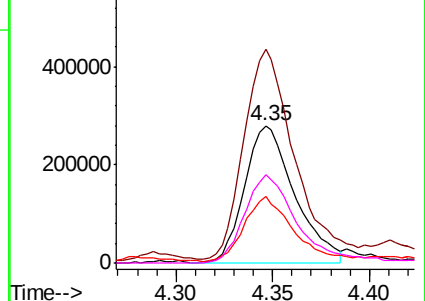


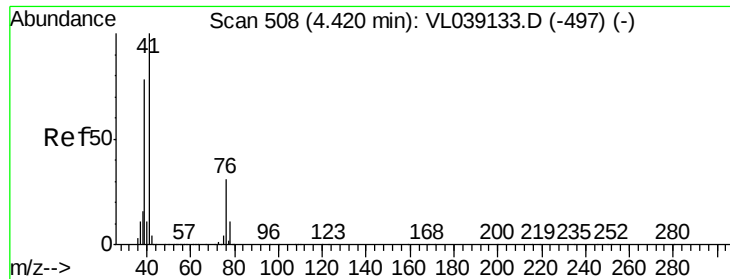
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 12.183 ppbv

RT: 4.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jun 2022 13:45 VSTDCCC010

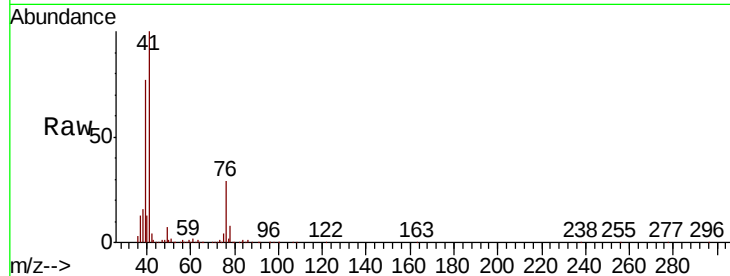
Tot Ion: 41 Resp: 1005860

Ion Ratio Lower Upper

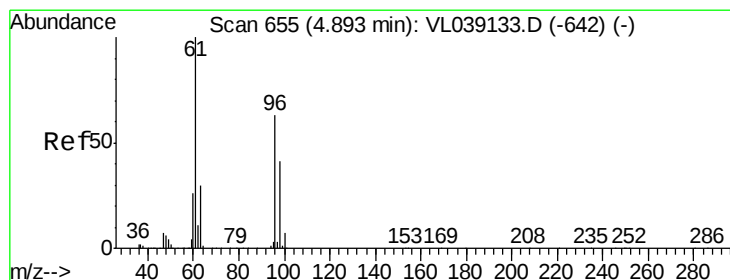
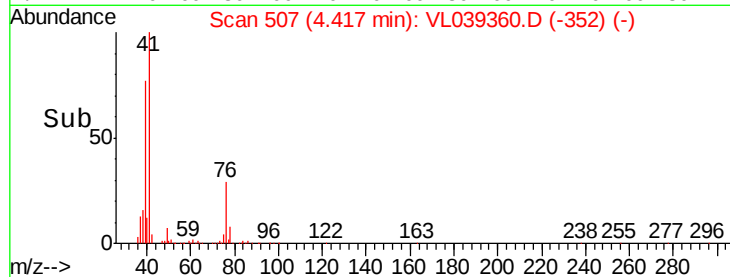
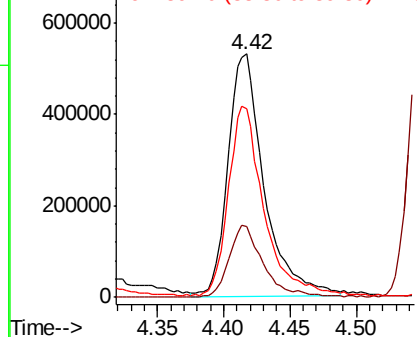
41 100

76 28.6 24.2 36.2

39 78.1 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: 11.828 ppbv

RT: 4.89 min Scan# 653

Delta R.T. -0.01 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

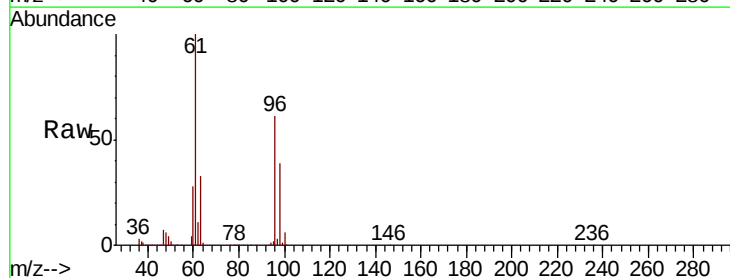
Tgt Ion: 96 Resp: 630650

Ion Ratio Lower Upper

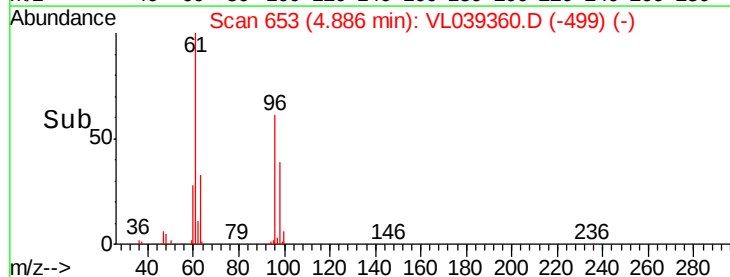
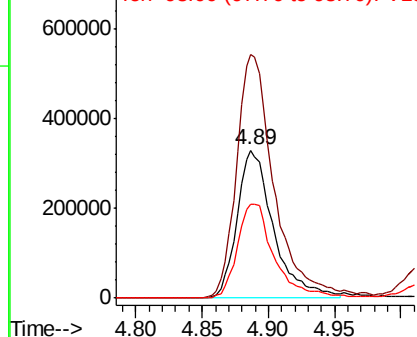
96 100

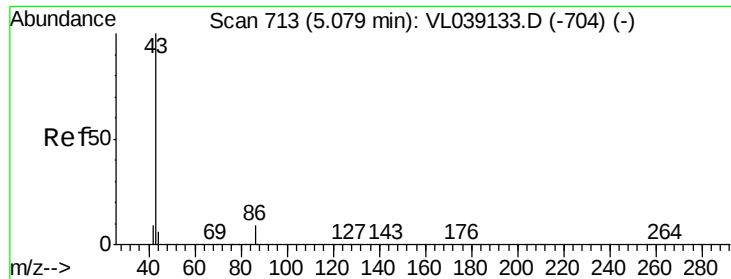
61 164.5 126.6 190.0

98 63.7 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: 11.153 ppbv

RT: 5.08 Instrument: MSVOA_1

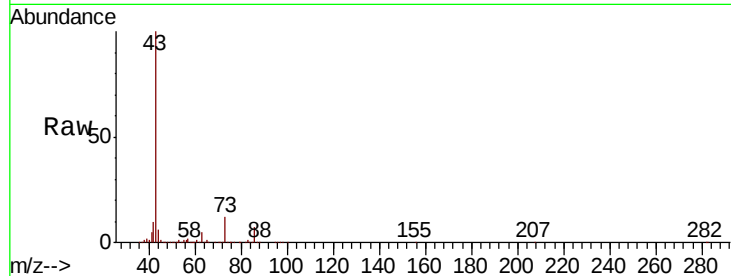
Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Jun 2022 13:45 VSTDCCC010

Tot Ion: 43 Resp: 1129397

Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.0	9.0
42	10.1	8.2	12.4
44	5.3	4.3	6.5



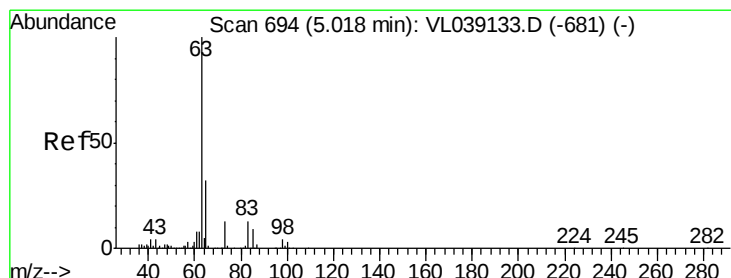
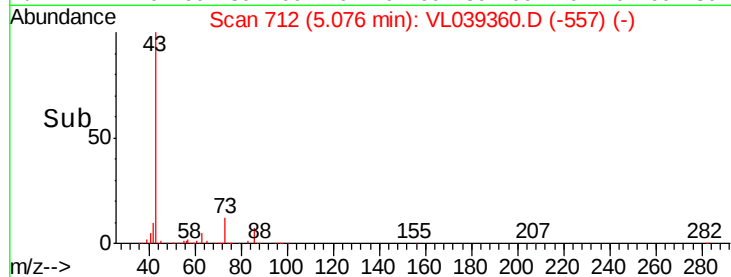
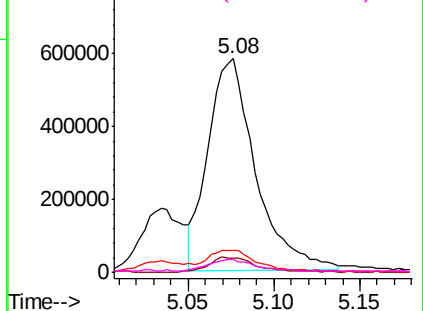
Abundance

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: 10.324 ppbv

RT: 5.02 min Scan# 693

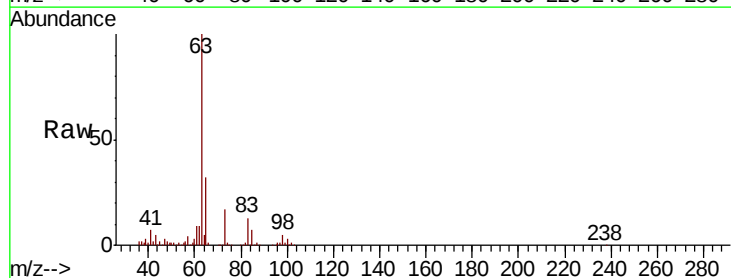
Delta R.T. -0.00 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

Tgt Ion: 63 Resp: 1432317

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.2
100	2.9	1.5	4.5

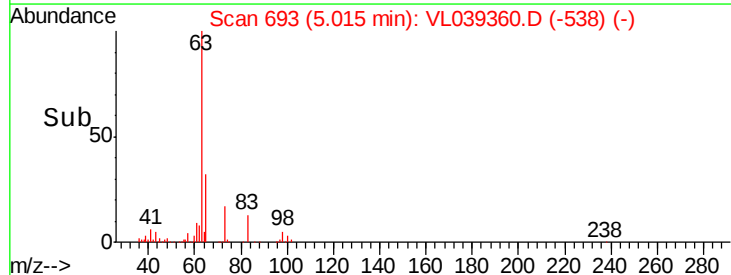
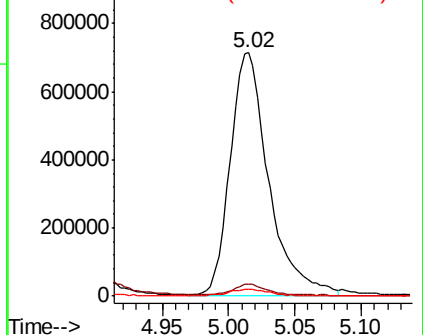


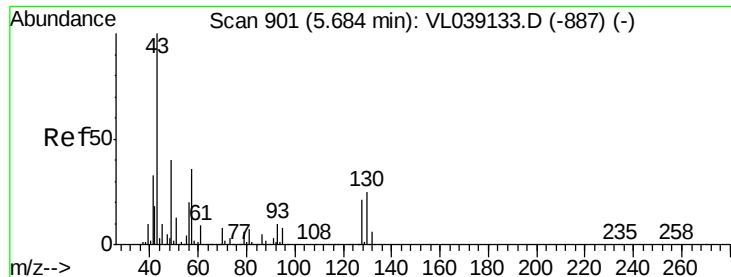
Abundance

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

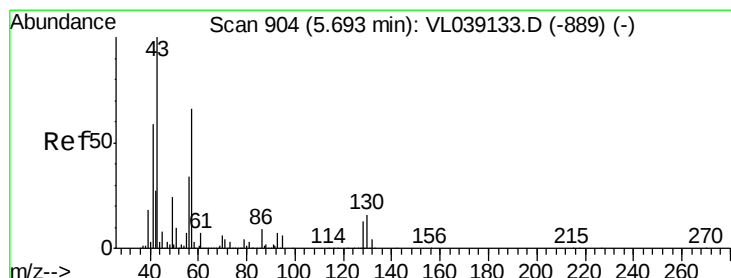
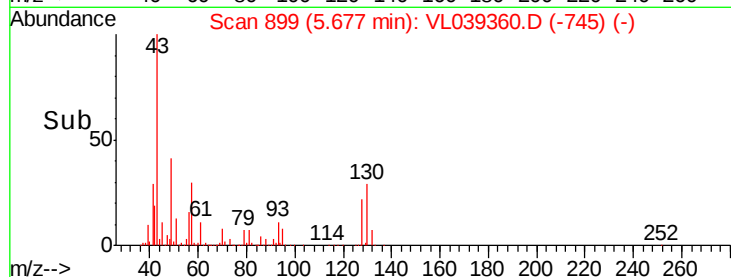
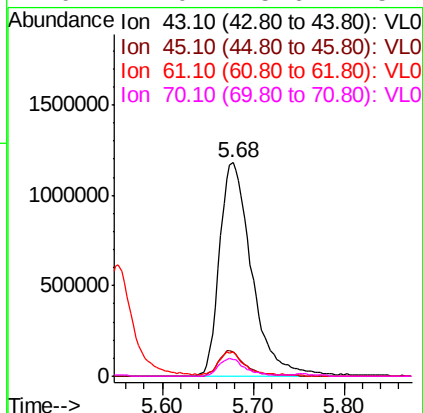
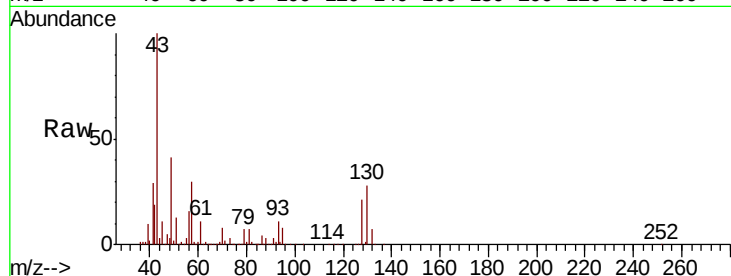




#25
Ethyl Acetate
Concen: 10.505 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.: -0.00 min
Lab File: ClientSampleId : VSTDCCC010
Acq: 27 Jun 2022 13:45

Tot Ion: 43 Resp: 2897778

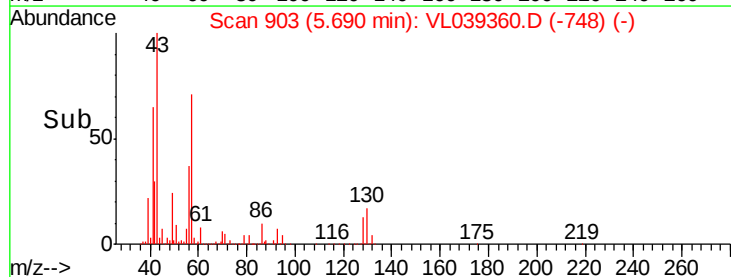
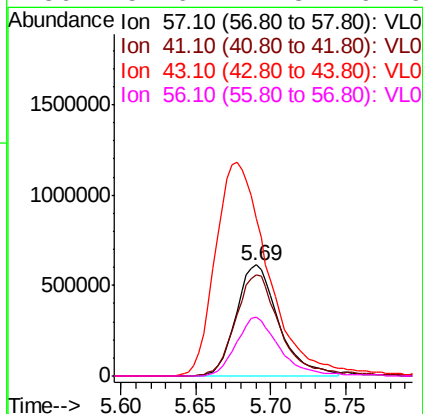
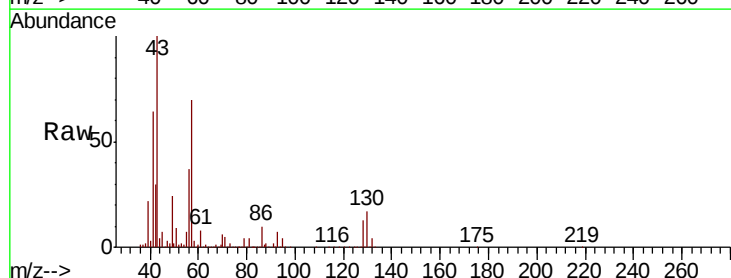
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	10.0	8.4	12.6
70	7.0	5.6	8.4

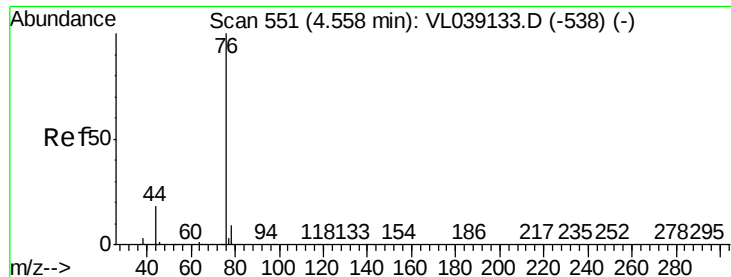


#26
Hexane
Concen: 10.038 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: -0.00 min
Lab File: VL039360.D
Acq: 27 Jun 2022 13:45

Tgt Ion: 57 Resp: 1216851

Ion	Ratio	Lower	Upper
57	100		
41	96.9	72.4	108.6
43	240.4	187.0	280.6
56	54.6	41.8	62.6





#27

Carbon Disulfide

Concen: 12.008 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Jun 2022 13:45 VSTDCCC010

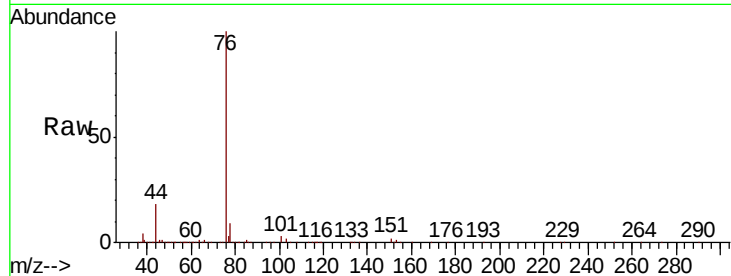
Tot Ion: 76 Resp: 1508638

Ion Ratio Lower Upper

76 100

44 18.3 14.4 21.6

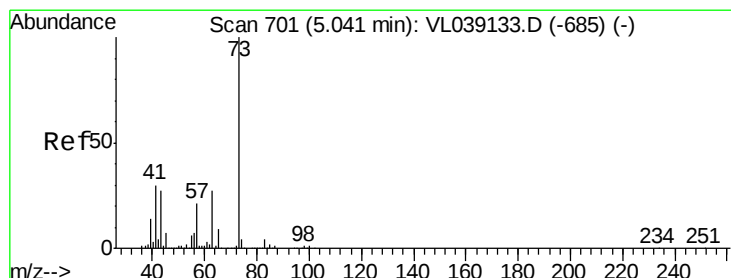
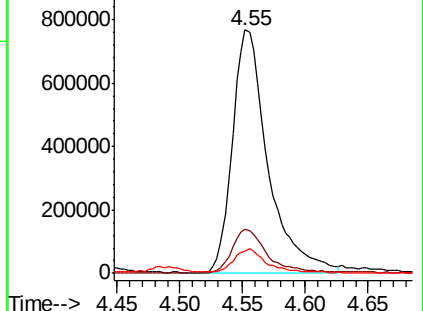
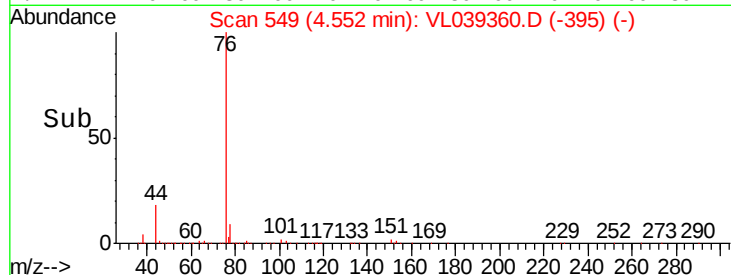
78 9.7 7.7 11.5



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: 9.911 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL039360.D

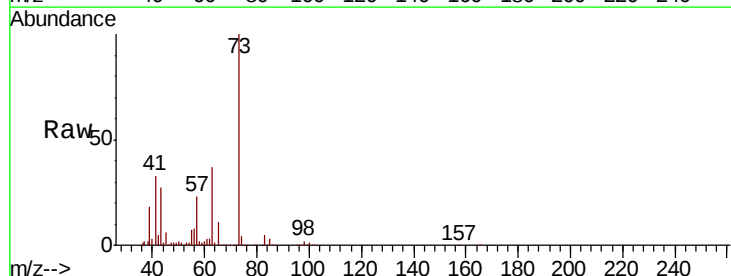
Acq: 27 Jun 2022 13:45

Tgt Ion: 73 Resp: 1326338

Ion Ratio Lower Upper

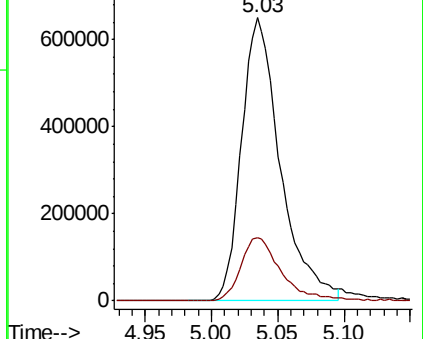
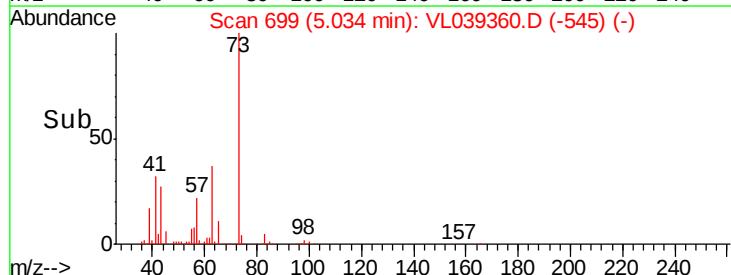
73 100

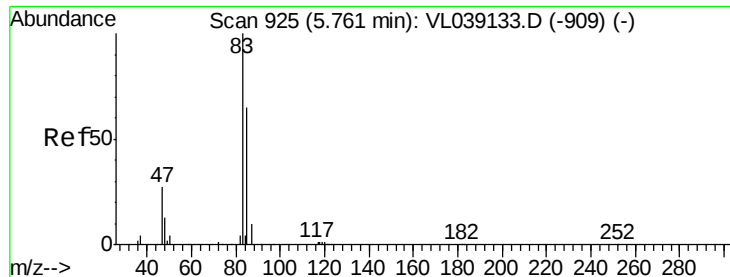
57 23.8 18.6 27.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.763 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

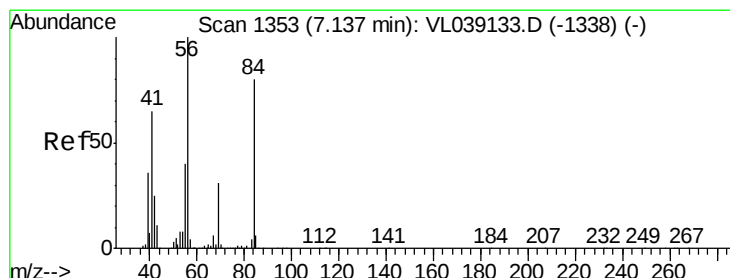
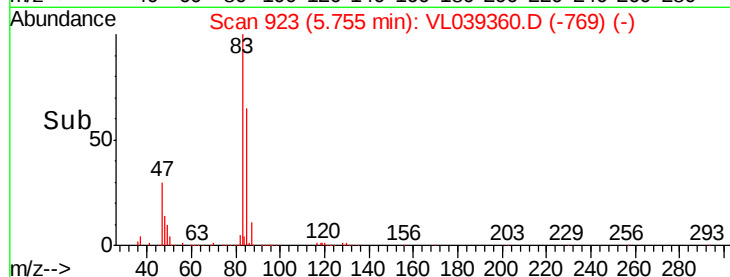
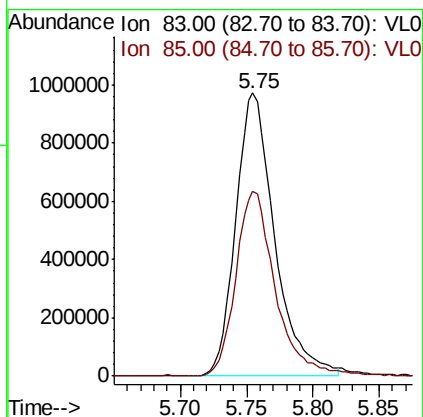
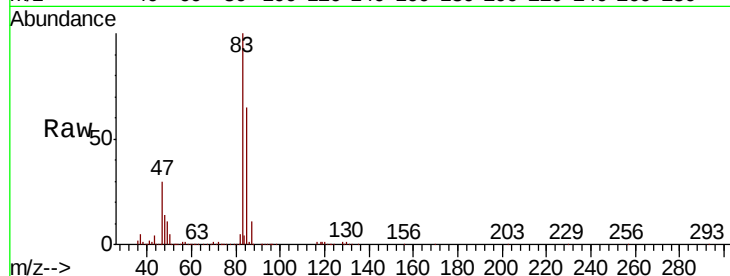
Acq: 27 Jun 2022 13:45 VSTDCCC010

Tot Ion: 83 Resp: 1991410

Ion Ratio Lower Upper

83 100

85 65.2 52.4 78.6



#30

Cyclohexane

Concen: 10.367 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. -0.01 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

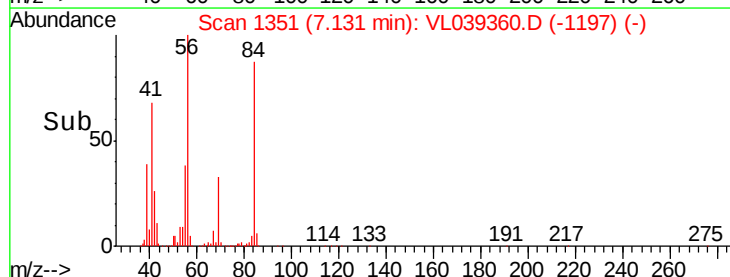
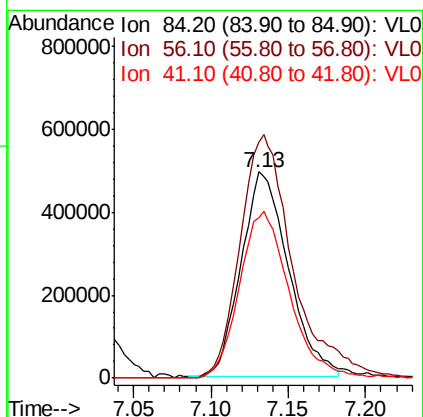
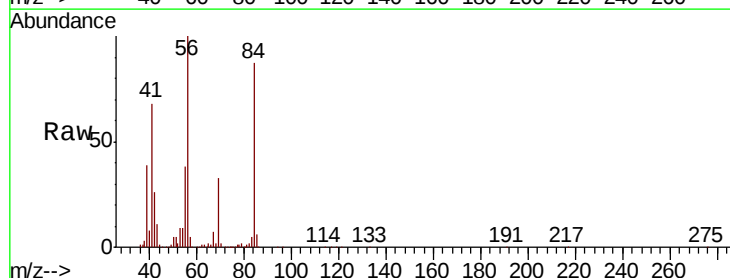
Tgt Ion: 84 Resp: 1055669

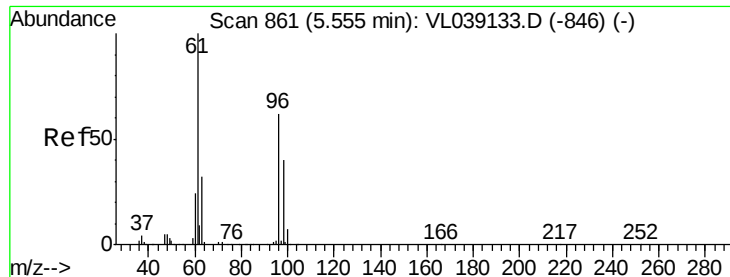
Ion Ratio Lower Upper

84 100

56 133.1 110.6 165.8

41 86.1 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 9.959 ppbv

RT: 5.55 Instrument: MSVOA_1

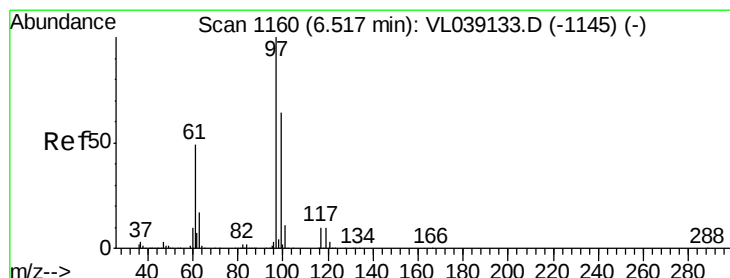
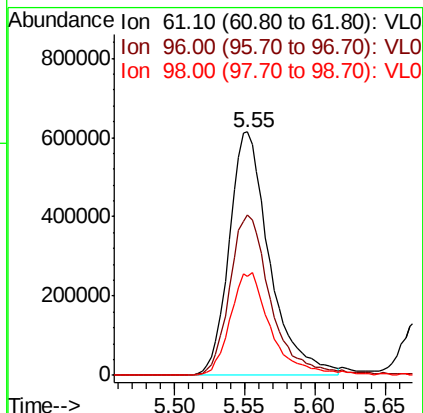
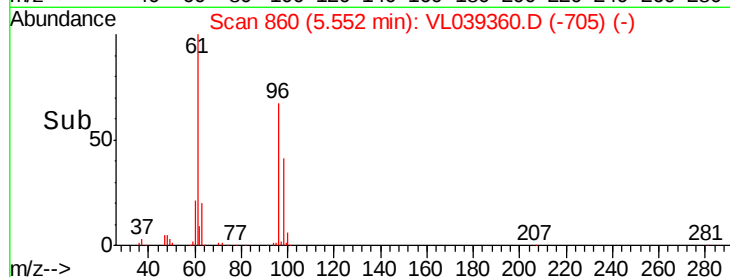
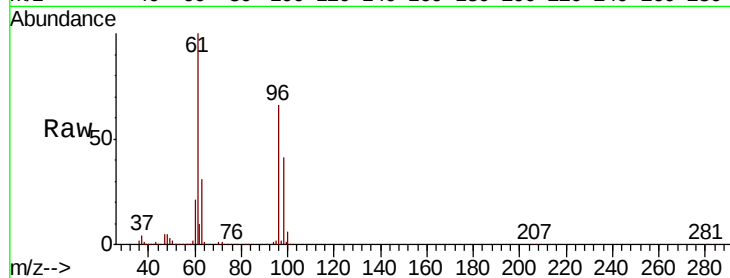
Delta R.T.

Lab File: ClientSampleId:

Acq: 27 Jun 2022 13:45 VSTDCCC010

Tot Ion: 61 Resp: 1230997

Ion	Ratio	Lower	Upper
61	100		
96	65.9	49.9	74.9
98	40.7	32.0	48.0



#32

1,1,1-Trichloroethane

Concen: 10.233 ppbv

RT: 6.51 min Scan# 1159

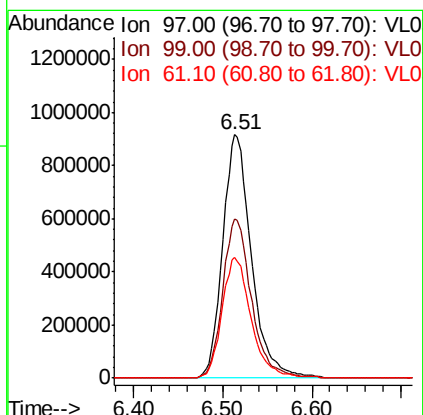
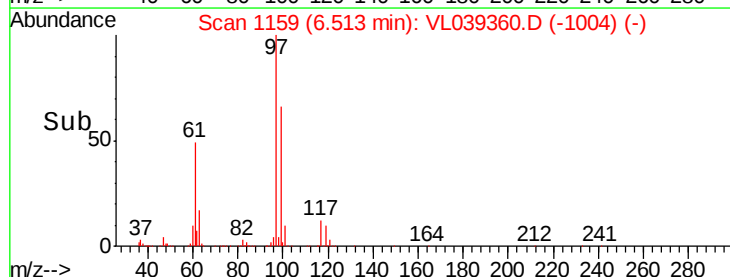
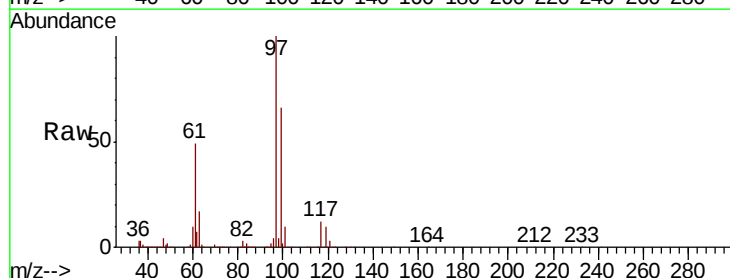
Delta R.T. -0.00 min

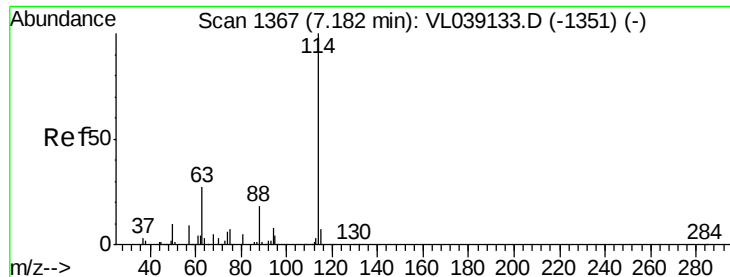
Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

Tgt Ion: 97 Resp: 2042426

Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.1	78.1
61	50.7	40.0	60.0

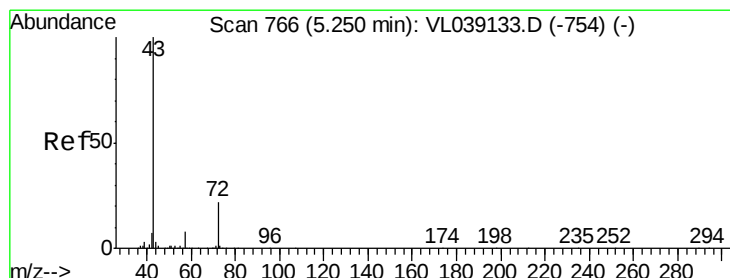
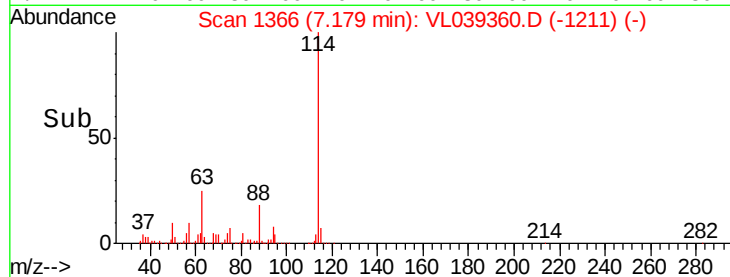
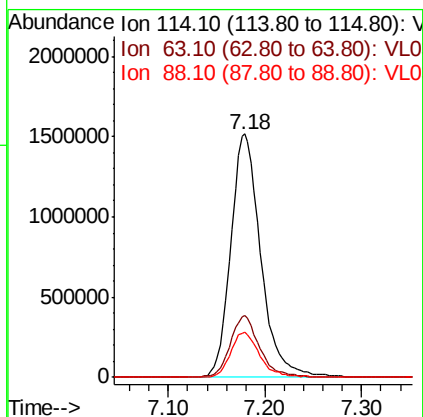
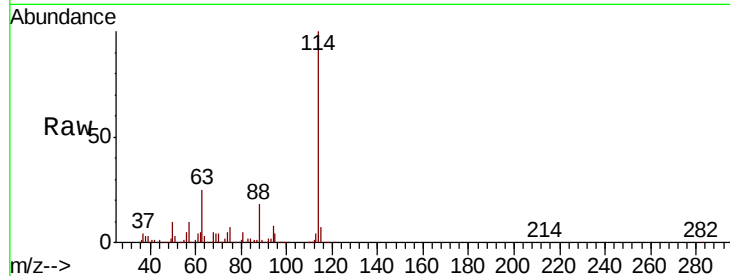




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 27 Jun 2022 13:45

Tot Ion:114 Resp: 3261273

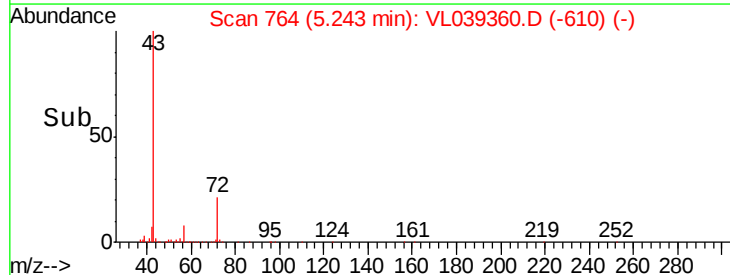
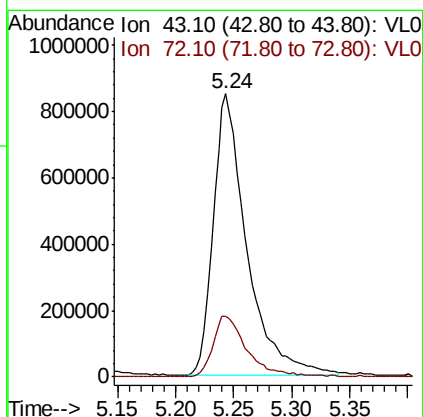
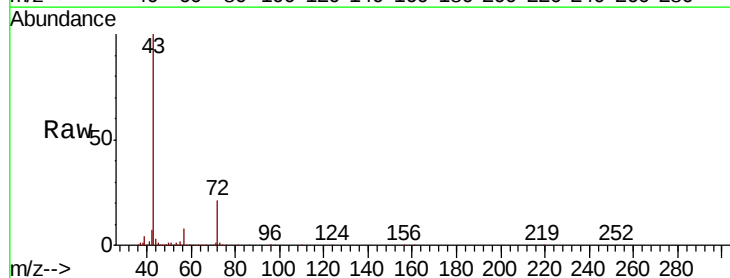
Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	18.2	14.8	22.2

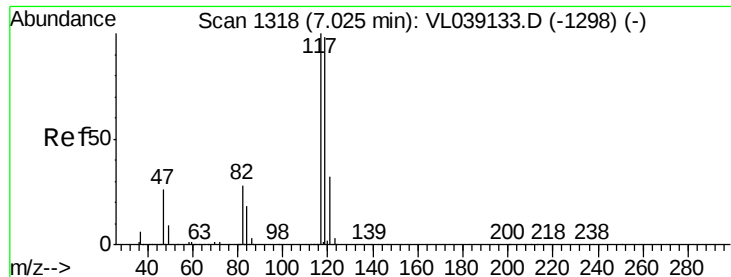


#34
 2-Butanone
 Concen: 9.665 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T.: -0.01 min
 Lab File: VL039360.D
 Acq: 27 Jun 2022 13:45

Tgt Ion: 43 Resp: 1712363

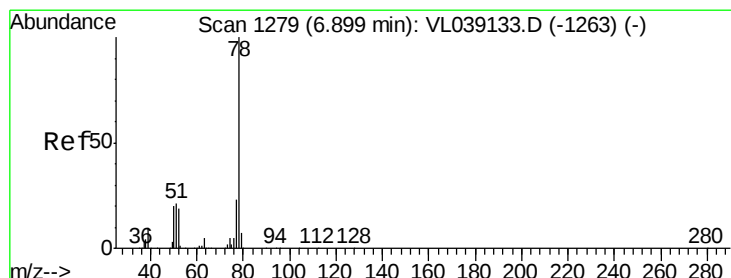
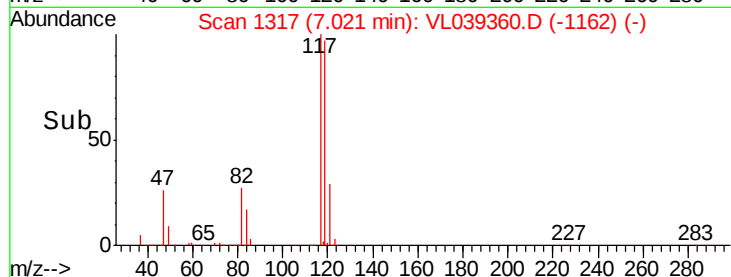
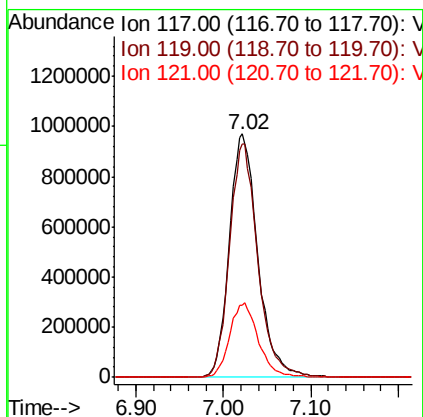
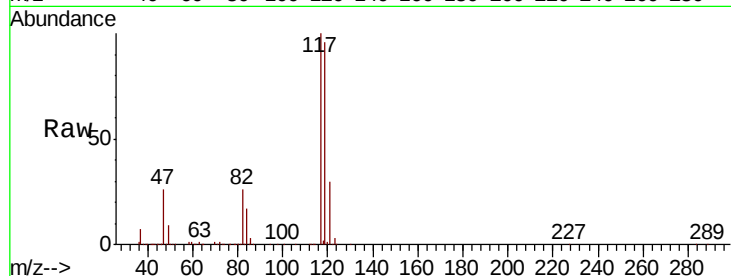
Ion	Ratio	Lower	Upper
43	100		
72	22.2	18.2	27.2





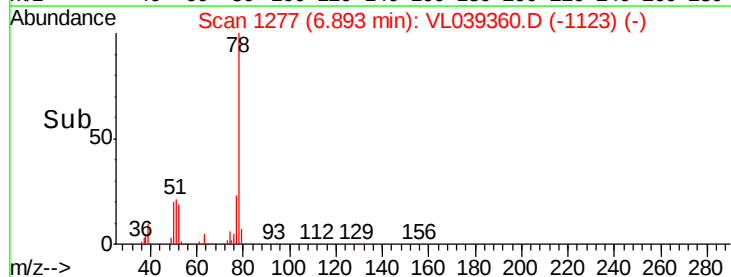
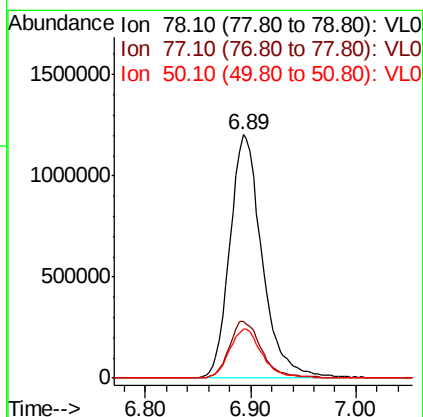
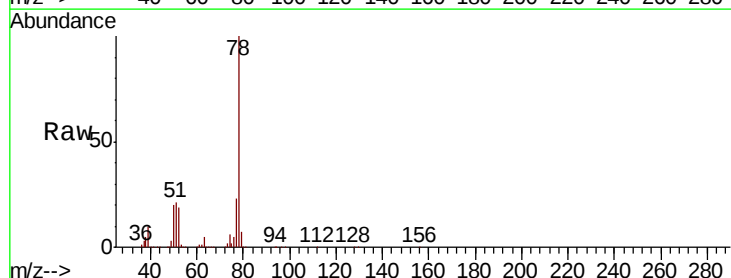
#35
Carbon Tetrachloride
Concen: 9.200 ppbv
RT: 7.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 27 Jun 2022 13:45

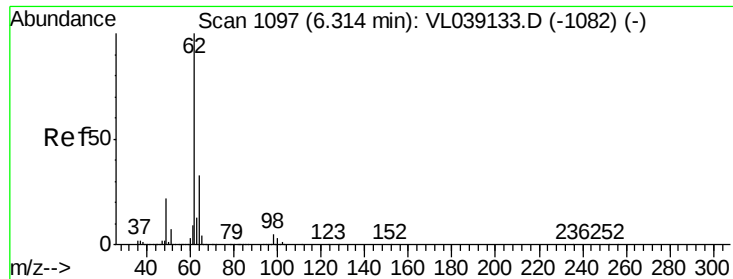
Tot Ion:117 Resp: 2189936
Ion Ratio Lower Upper
117 100
119 95.9 78.6 118.0
121 29.8 25.4 38.0



#36
Benzene
Concen: 9.624 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL039360.D
Acq: 27 Jun 2022 13:45

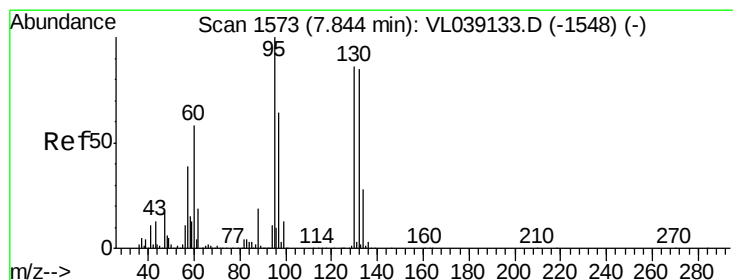
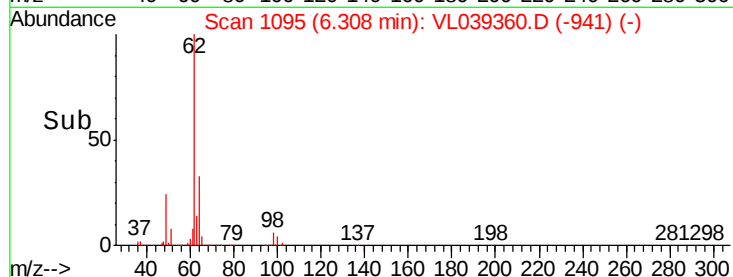
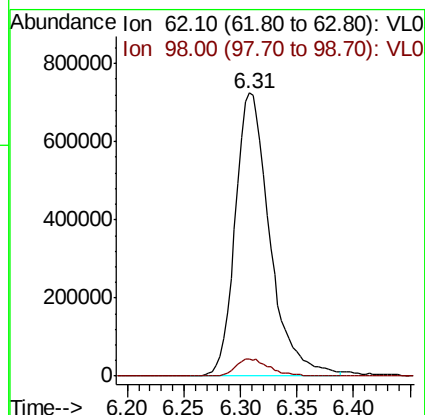
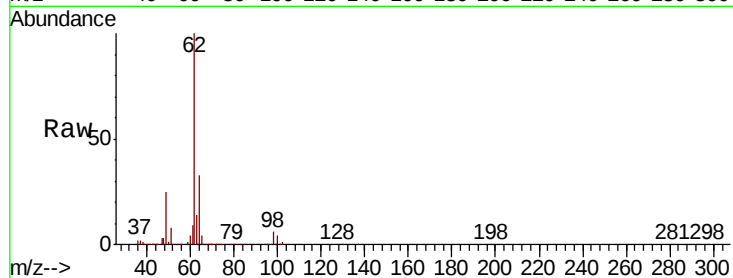
Tgt Ion: 78 Resp: 2548071
Ion Ratio Lower Upper
78 100
77 23.4 18.6 27.8
50 20.2 15.8 23.8





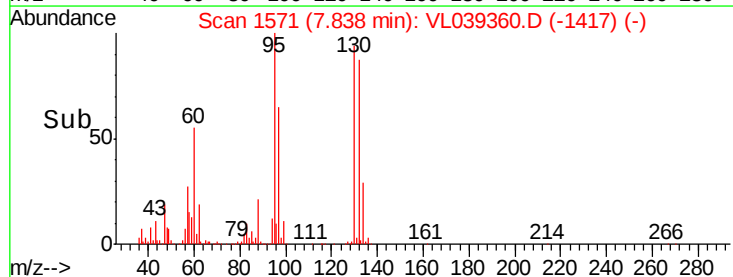
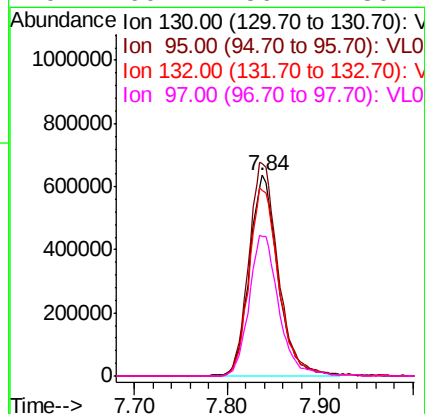
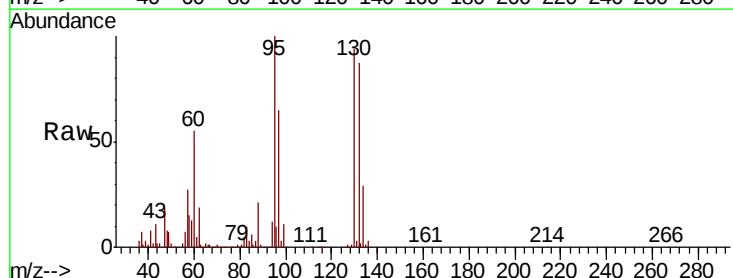
#37
 1,2-Dichloroethane
 Concen: 8.872 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jun 2022 13:45

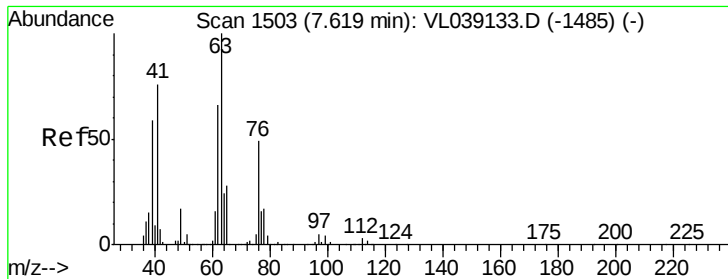
Tot Ion: 62 Resp: 1545877
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.3 6.5



#38
 Trichloroethene
 Concen: 11.198 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL039360.D
 Acq: 27 Jun 2022 13:45

Tgt Ion: 130 Resp: 1361790
 Ion Ratio Lower Upper
 130 100
 95 106.3 93.3 139.9
 132 92.7 79.0 118.4
 97 69.4 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.946 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jun 2022 13:45 VSTDCCC010

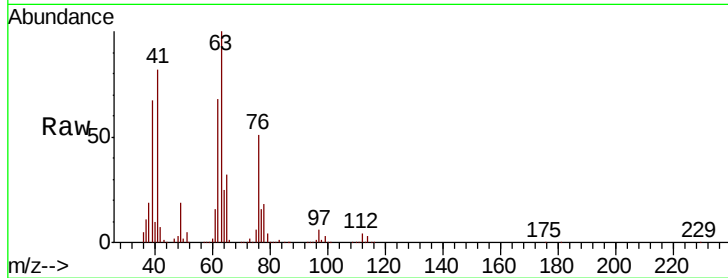
Tot Ion: 63 Resp: 942093

Ion Ratio Lower Upper

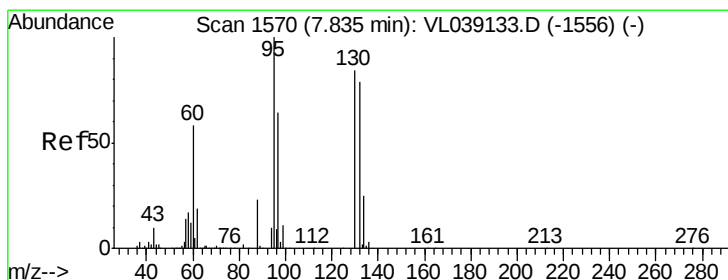
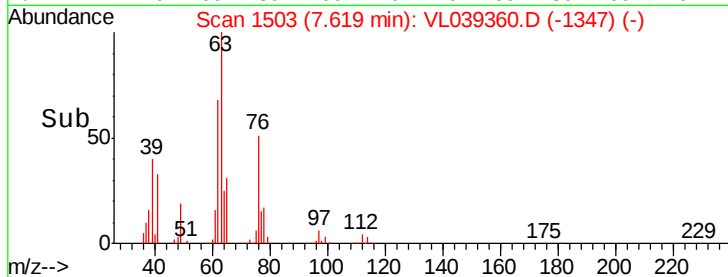
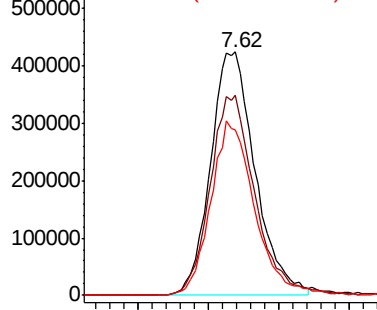
63 100

41 82.0 60.8 91.2

62 67.7 52.9 79.3



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: 10.341 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.01 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

Tgt Ion: 88 Resp: 358540

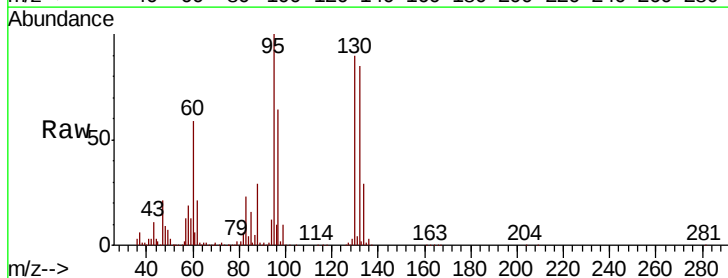
Ion Ratio Lower Upper

88 100

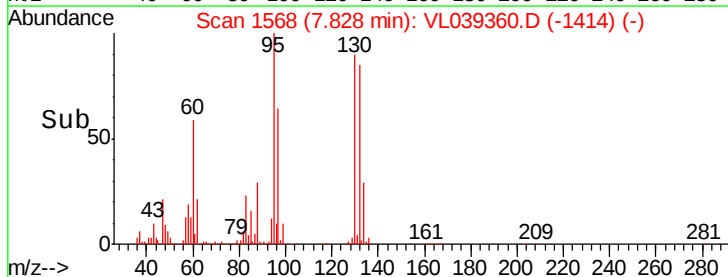
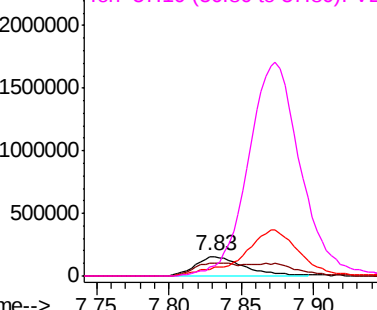
58 128.7 111.2 166.8

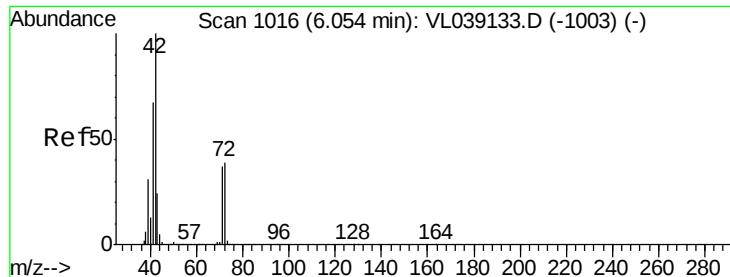
43 0.0 234.2 351.4#

57 0.0 1039.9 1559.9#



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: 9.235 ppbv

RT: 6.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jun 2022 13:45

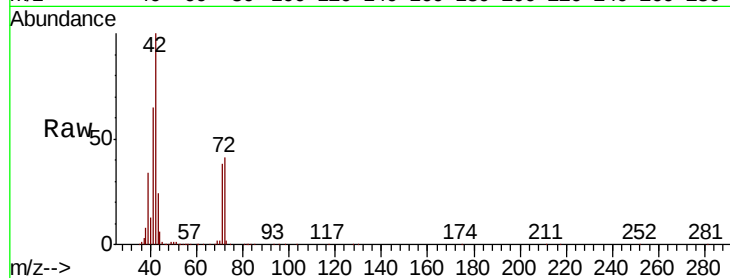
Tot Ion: 42 Resp: 984139

Ion Ratio Lower Upper

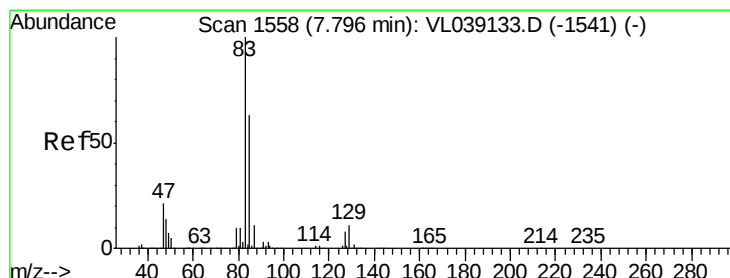
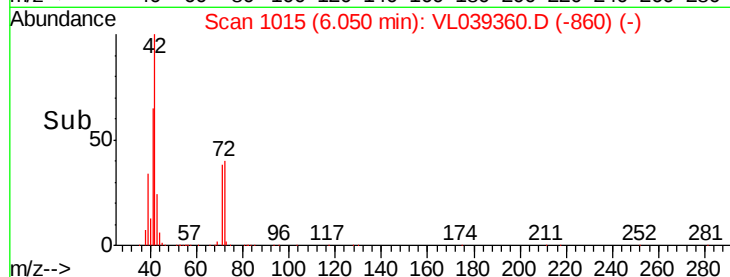
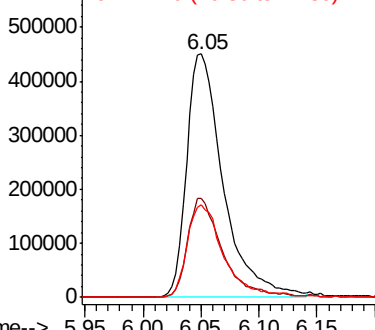
42 100

72 39.7 32.0 48.0

71 38.8 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: 8.951 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

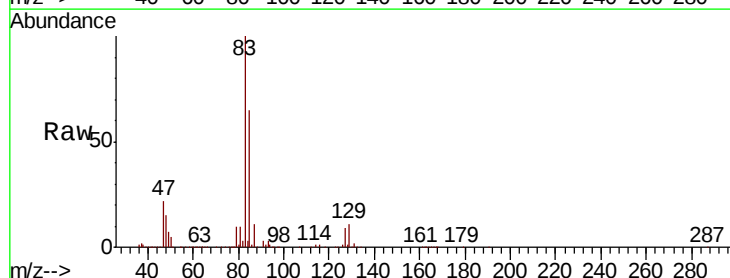
Tgt Ion: 83 Resp: 2164651

Ion Ratio Lower Upper

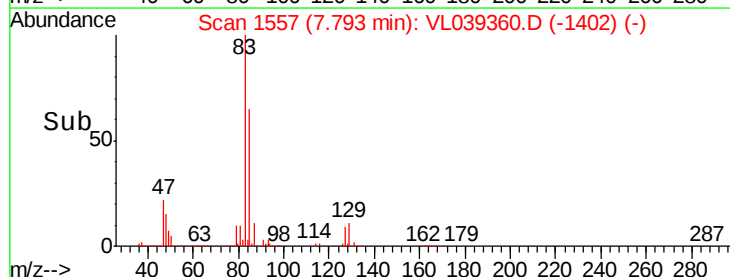
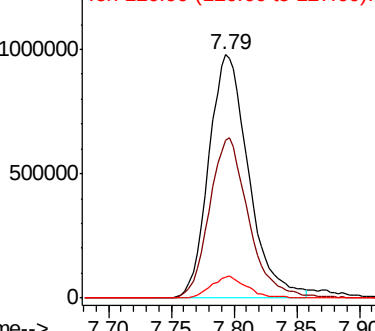
83 100

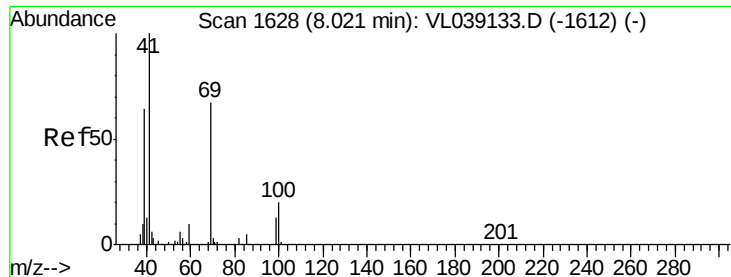
85 65.0 50.2 75.4

127 8.8 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): V





#43

Methyl Methacrylate

Concen: 10.044 ppbv

RT: 8.01

Instrument: MSVOA_1

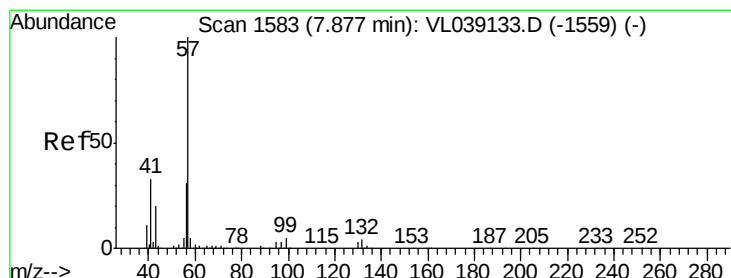
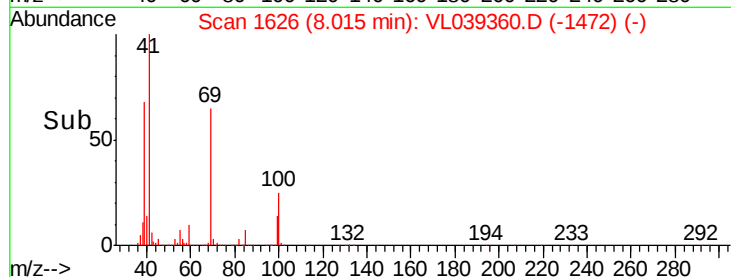
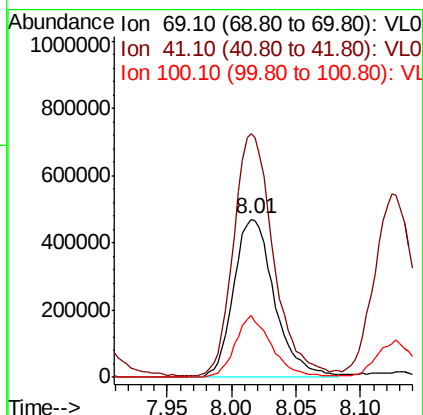
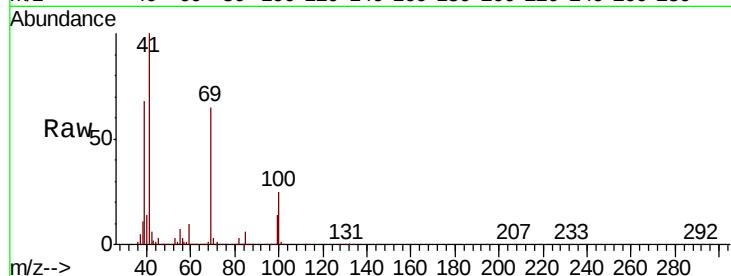
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 27 Jun 2022 13:45

Tot Ion: 69 Resp: 1035843

Ion	Ratio	Lower	Upper
69	100		
41	151.0	121.9	182.9
100	35.2	24.1	36.1



#44

2,2,4-Trimethylpentane

Concen: 9.302 ppbv

RT: 7.87 min Scan# 1582

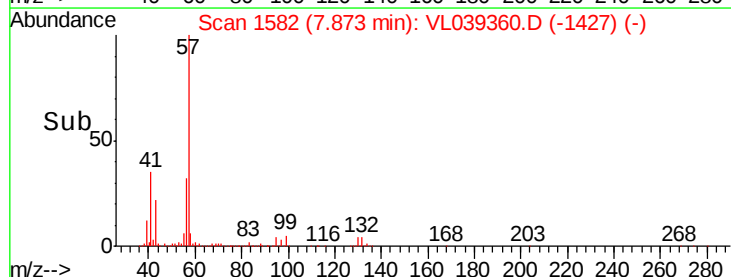
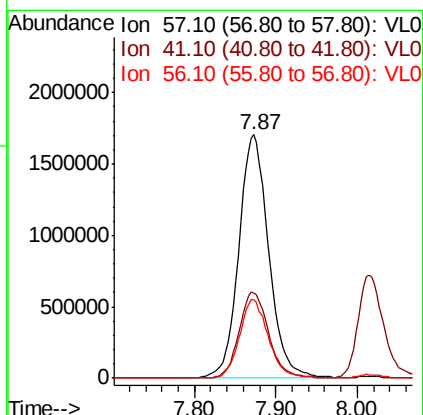
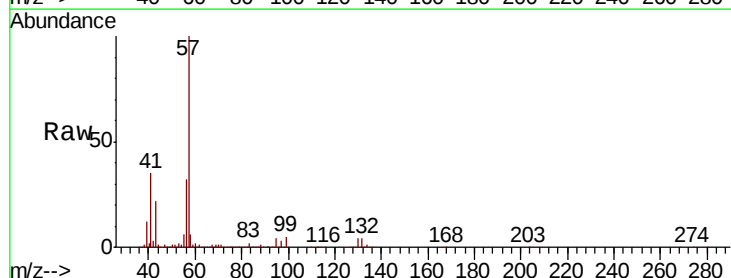
Delta R.T. -0.00 min

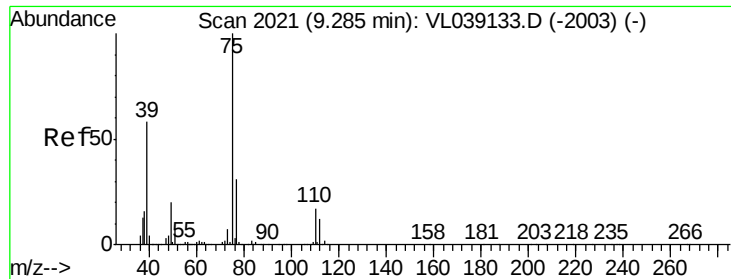
Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

Tgt Ion: 57 Resp: 4308679

Ion	Ratio	Lower	Upper
57	100		
41	35.0	26.2	39.4
56	31.1	24.7	37.1





#45

t-1,3-Dichloropropene

Concen: 9.388 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

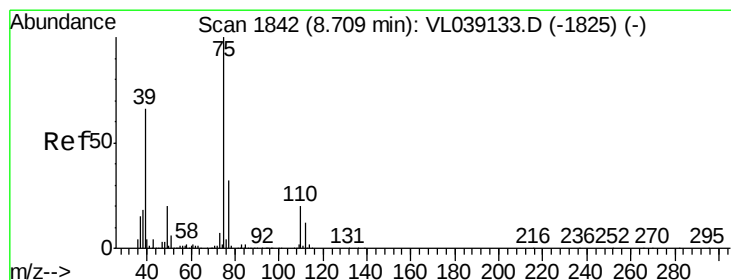
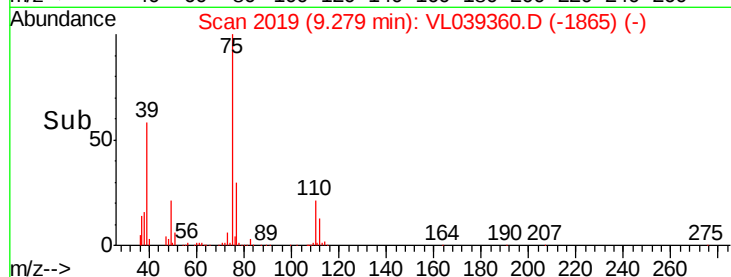
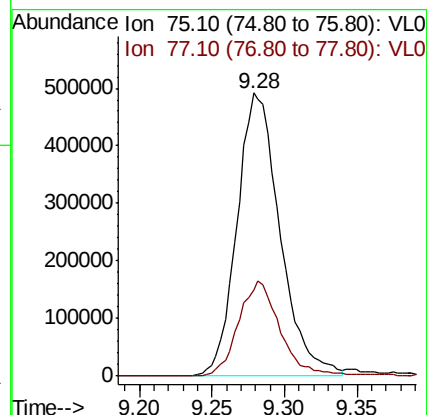
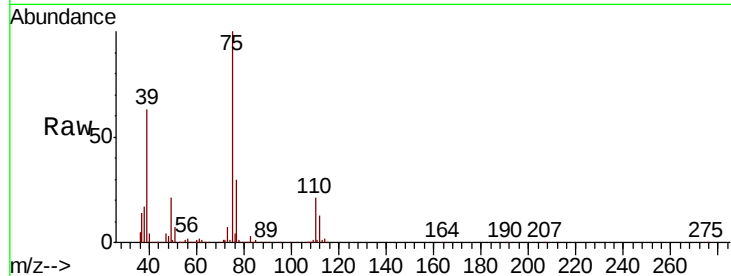
Acq: 27 Jun 2022 13:45 VSTDCCC010

Tot Ion: 75 Resp: 1008371

Ion Ratio Lower Upper

75 100

77 30.5 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 9.353 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

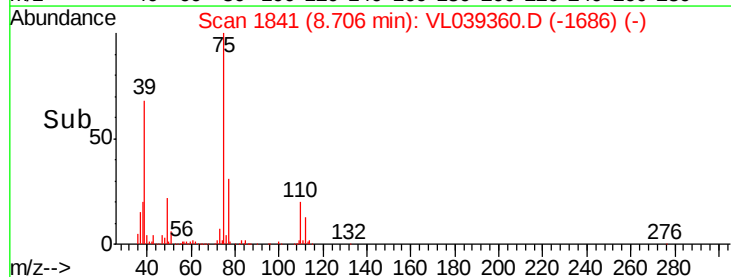
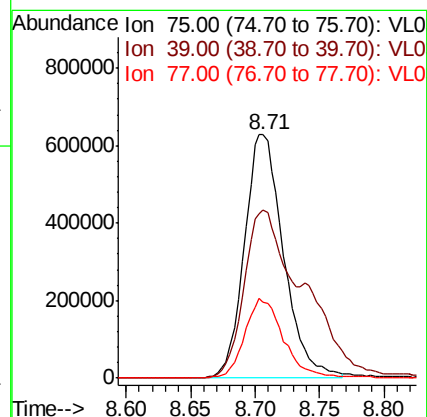
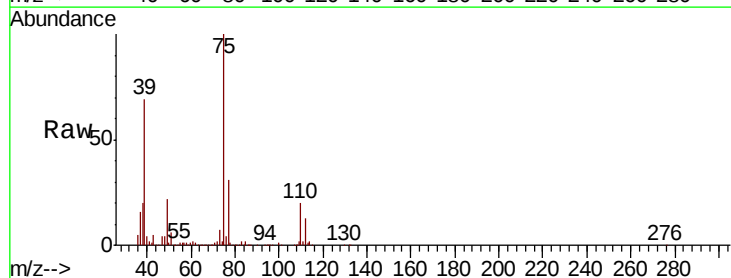
Tgt Ion: 75 Resp: 1327152

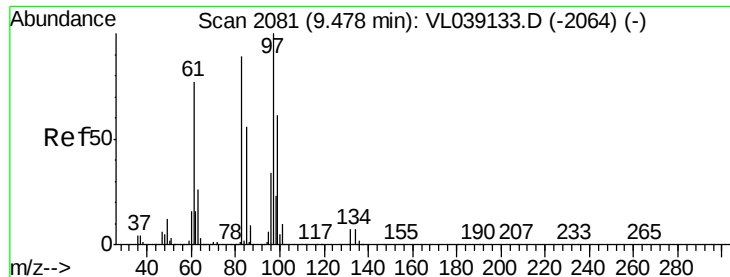
Ion Ratio Lower Upper

75 100

39 68.9 52.4 78.6

77 31.4 25.5 38.3

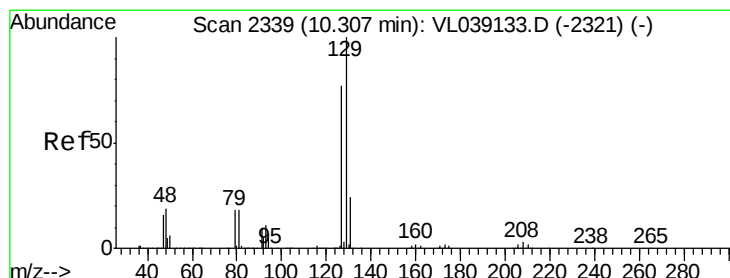
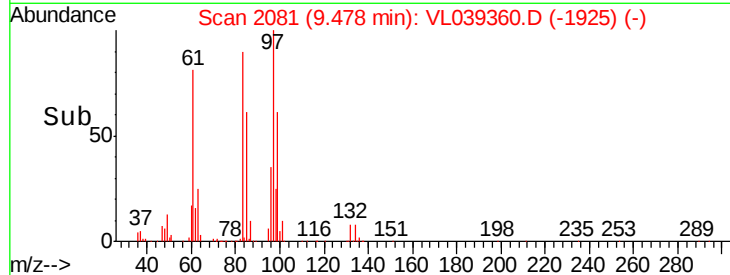
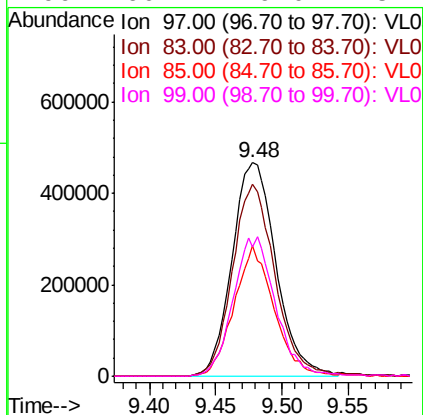
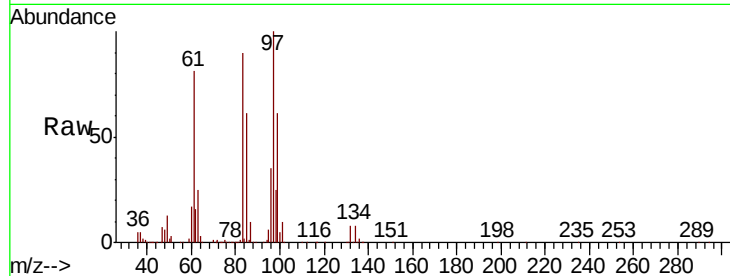




#47
 1,1,2-Trichloroethane
 Concen: 9.760 ppbv
 RT: 9.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jun 2022 13:45

Tot Ion: 97 Resp: 1072297

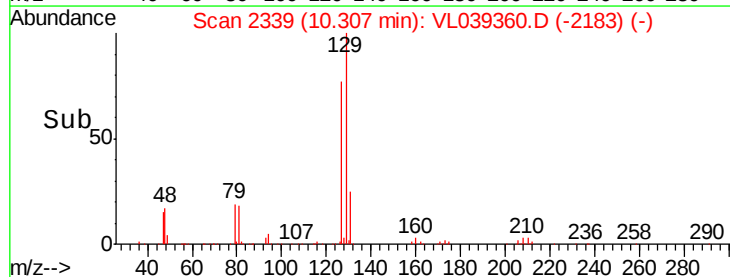
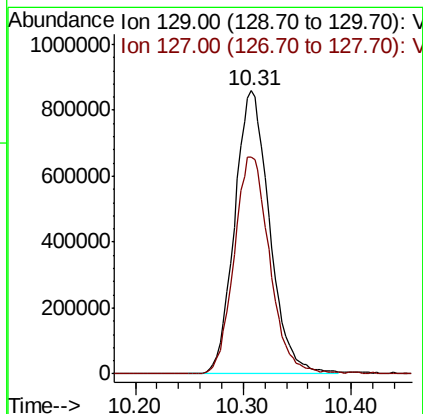
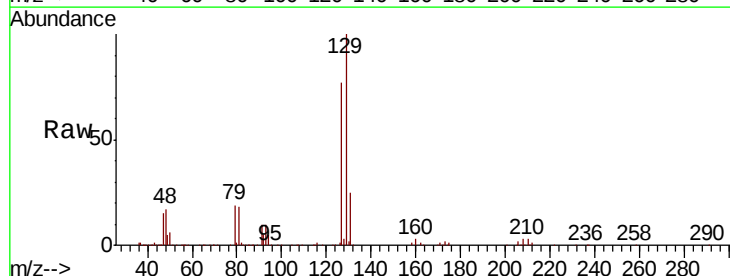
Ion	Ratio	Lower	Upper
97	100		
83	90.1	71.6	107.4
85	61.5	44.8	67.2
99	60.7	49.0	73.4

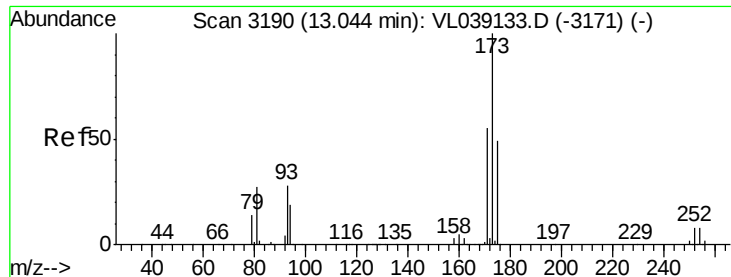


#48
 Dibromochloromethane
 Concen: 9.892 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL039360.D
 Acq: 27 Jun 2022 13:45

Tgt Ion: 129 Resp: 1940566

Ion	Ratio	Lower	Upper
129	100		
127	78.4	40.0	119.9





#49

Bromoform

Concen: 9.652 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Jun 2022 13:45

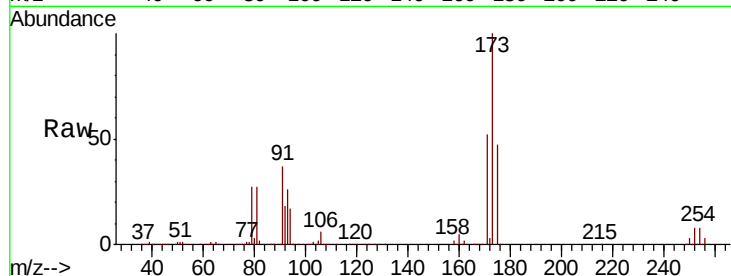
Tot Ion:173 Resp: 1578028

Ion Ratio Lower Upper

173 100

175 49.8 40.2 60.2

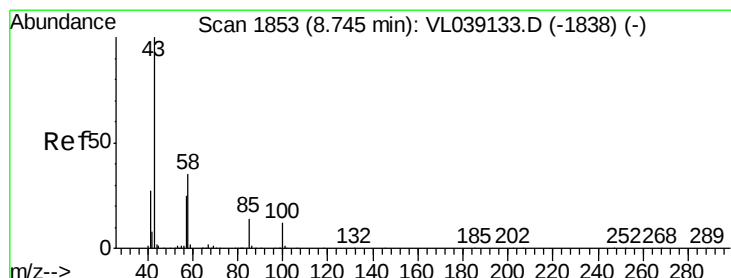
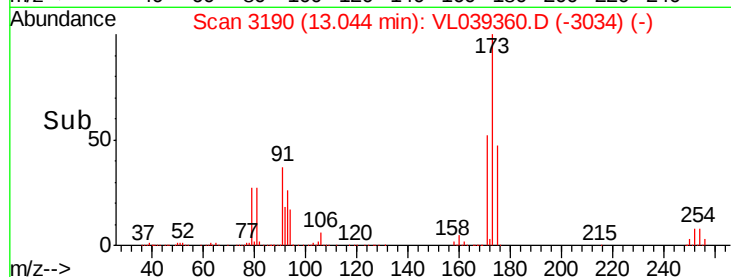
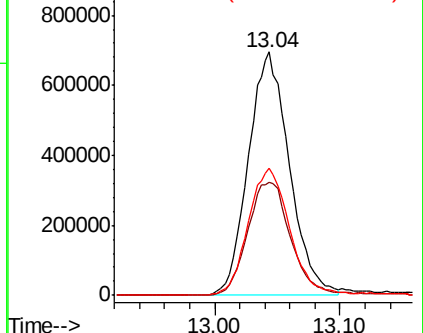
171 54.0 43.9 65.9



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: 10.022 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL039360.D

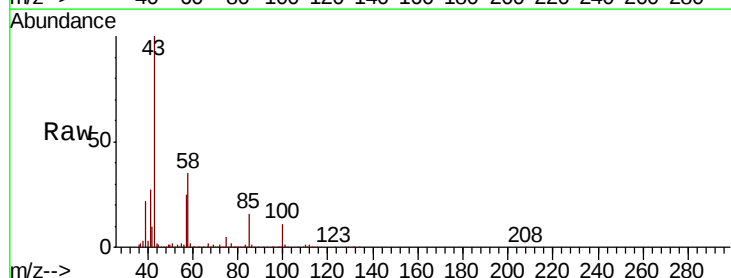
Acq: 27 Jun 2022 13:45

Tgt Ion: 43 Resp: 2658000

Ion Ratio Lower Upper

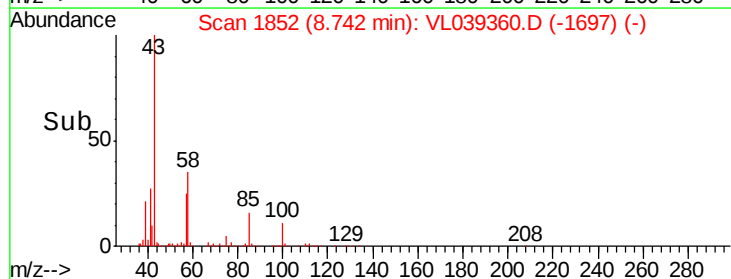
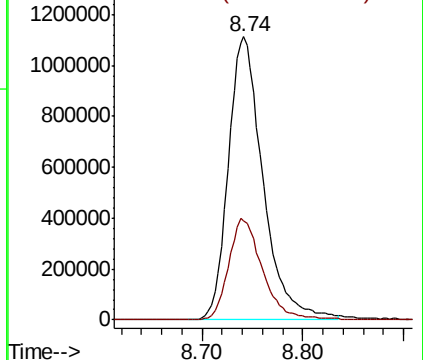
43 100

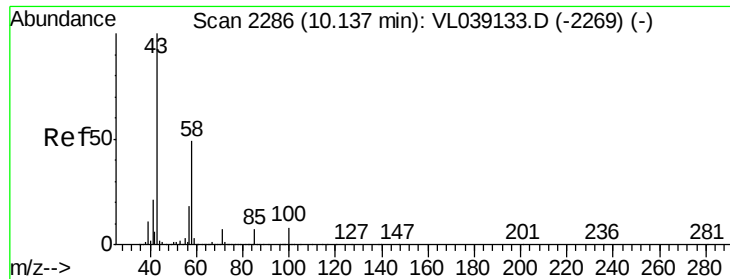
58 35.5 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

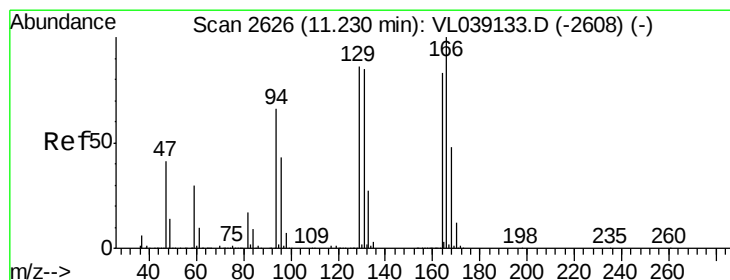
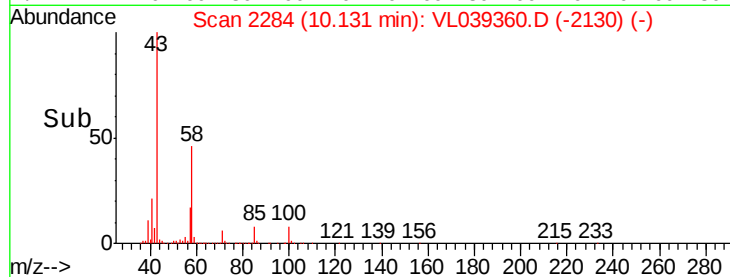
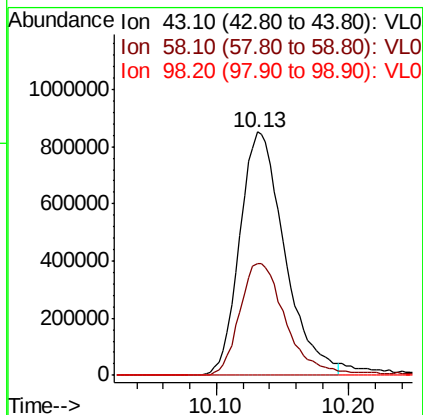
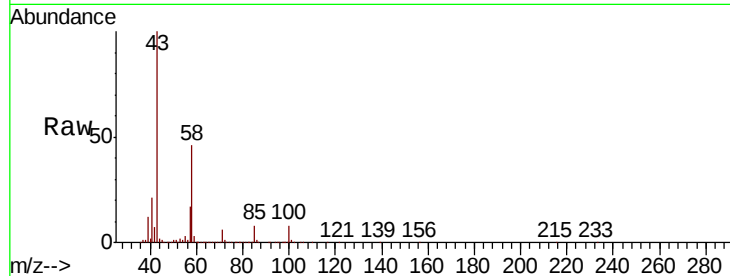




#51
2-Hexanone
Concen: 9.733 ppbv
RT: 10.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jun 2022 13:45

Tot Ion: 43 Resp: 2008483

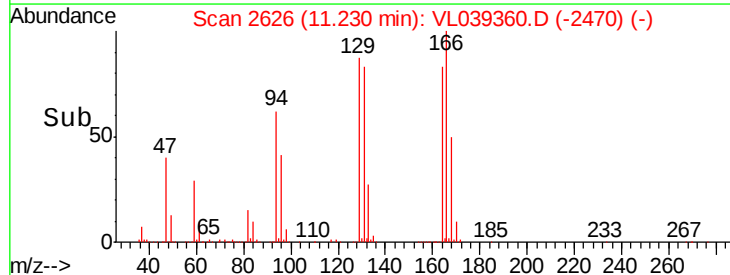
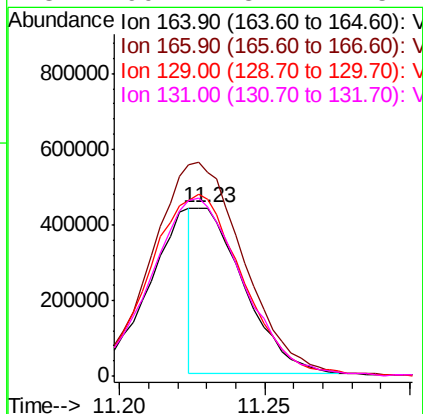
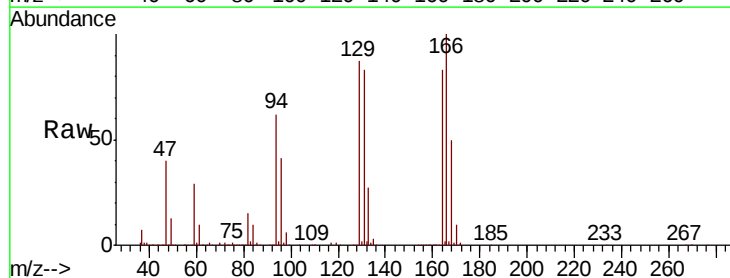
Ion	Ratio	Lower	Upper
43	100		
58	48.4	40.0	60.0
98	0.2	0.1	0.1#

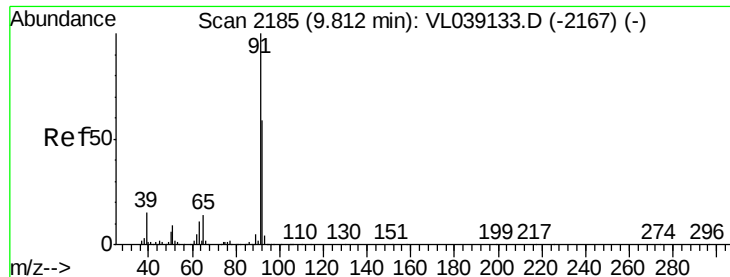


#52
Tetrachloroethene
Concen: 5.007 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL039360.D
Acq: 27 Jun 2022 13:45

Tgt Ion: 164 Resp: 517650

Ion	Ratio	Lower	Upper
164	100		
166	120.1	96.3	144.5
129	104.0	82.5	123.7
131	99.7	82.1	123.1





#53

Toluene

Concen: 10.056 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

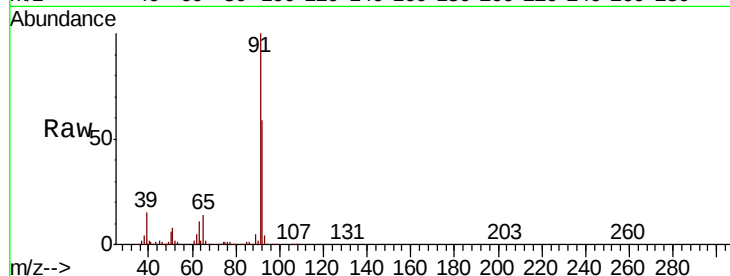
Acq: 27 Jun 2022 13:45 VSTDCCC010

Tot Ion: 91 Resp: 3065799

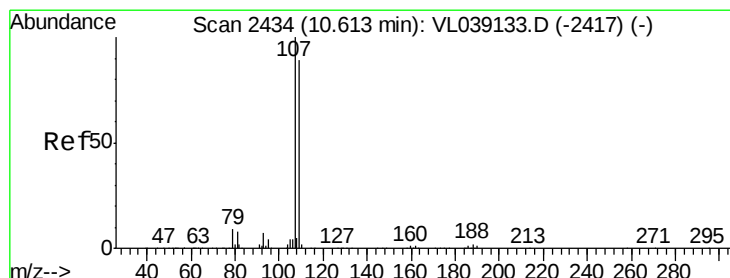
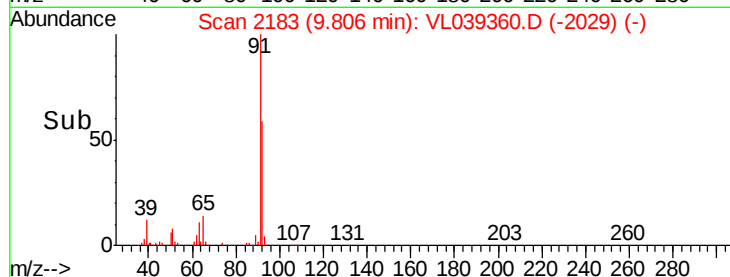
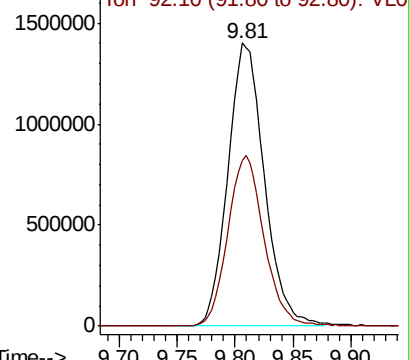
Ion Ratio Lower Upper

91 100

92 60.2 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 9.721 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL039360.D

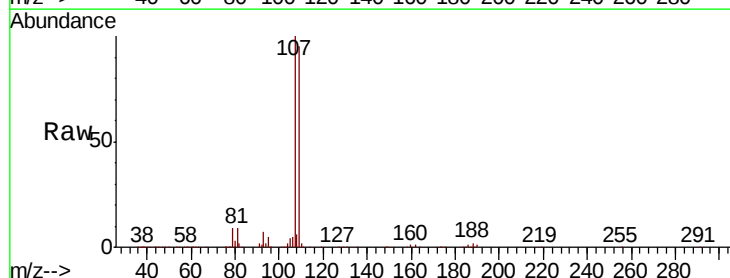
Acq: 27 Jun 2022 13:45

Tgt Ion: 107 Resp: 1435192

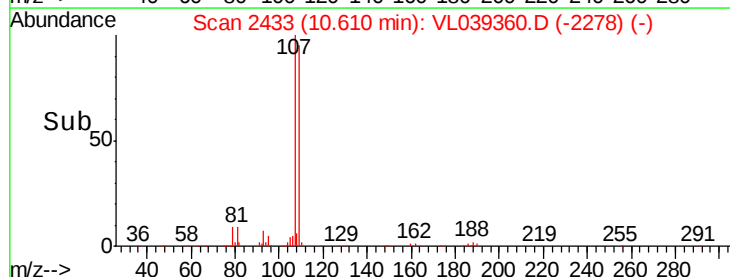
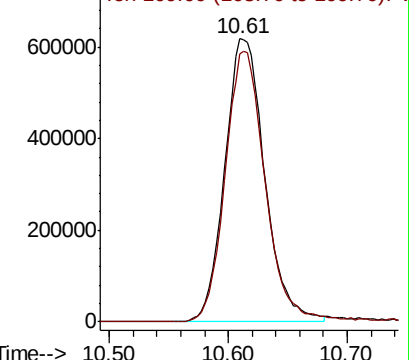
Ion Ratio Lower Upper

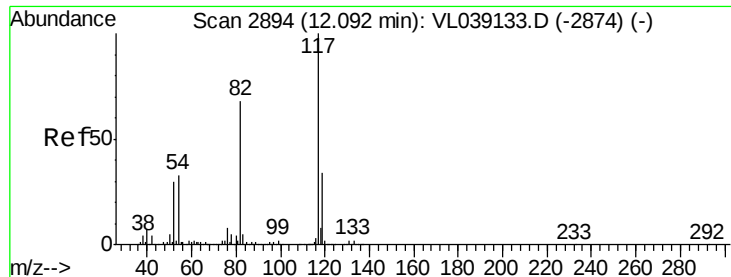
107 100

109 94.9 71.4 107.0



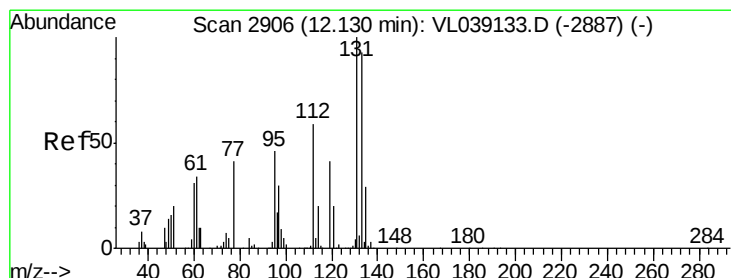
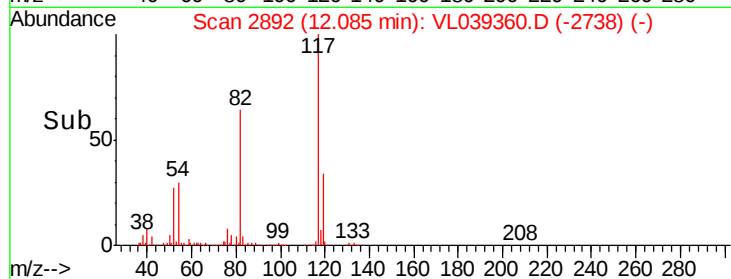
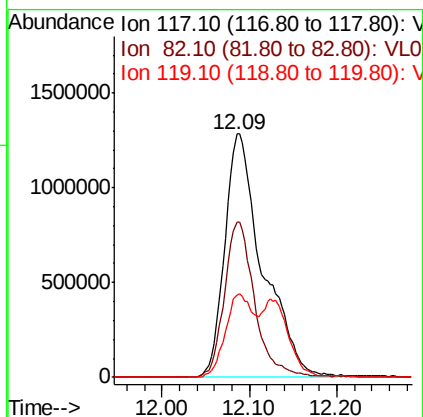
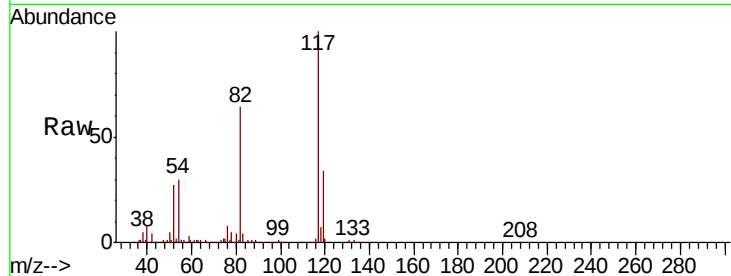
Abundance Ion 107.00 (106.70 to 107.70): V





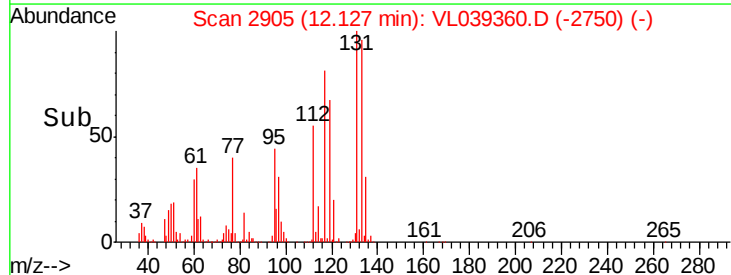
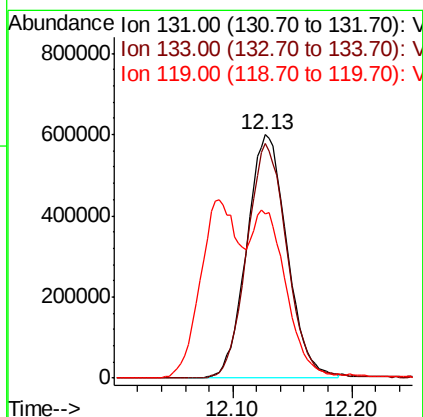
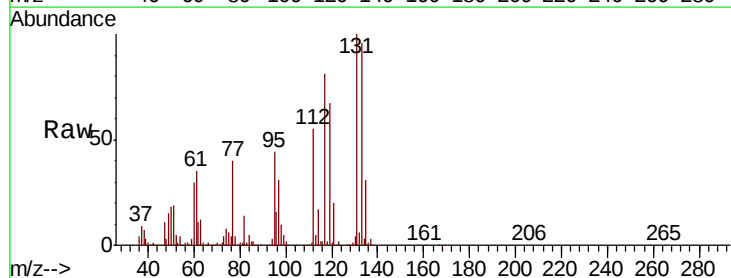
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Jun 2022 13:45

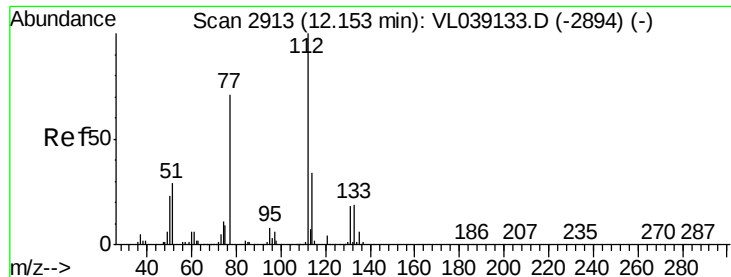
Tot Ion:117 Resp: 3868994
Ion Ratio Lower Upper
117 100
82 51.6 55.1 82.7#
119 24.6 24.7 37.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.664 ppbv
RT: 12.13 min Scan# 2905
Delta R.T.: -0.00 min
Lab File: VL039360.D
Acq: 27 Jun 2022 13:45

Tgt Ion:131 Resp: 1403144
Ion Ratio Lower Upper
131 100
133 96.8 78.6 117.8
119 65.0 51.7 77.5

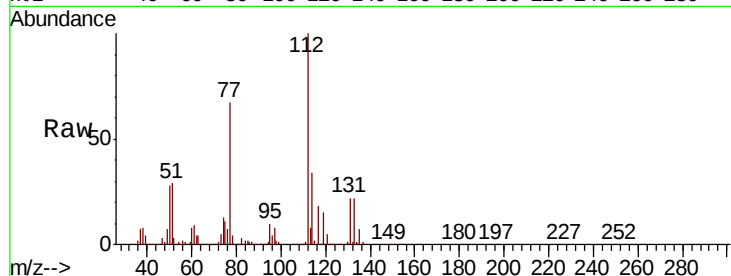




#57
Chlorobenzene
Concen: 8.165 ppbv
RT: 12.15 min
Delta R.T.: 0.00 min
Lab File: VL039133.D
Acq: 27 Jun 2022 13:45

Tot Ion: 112 Resp: 2376828

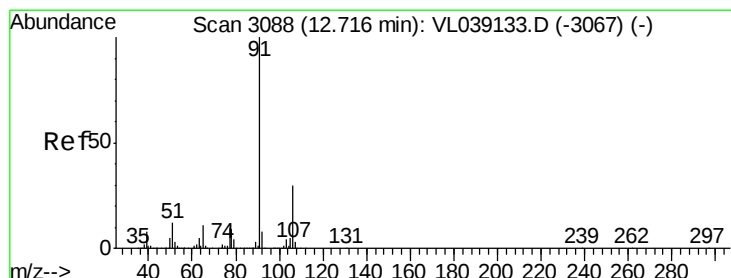
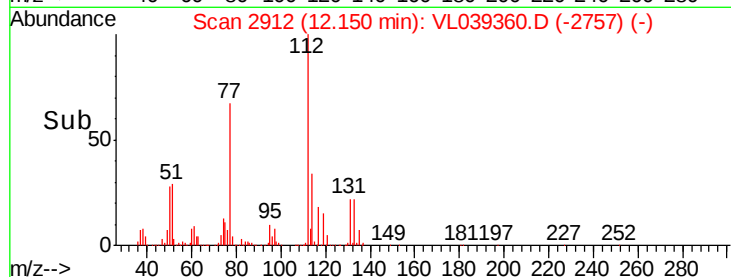
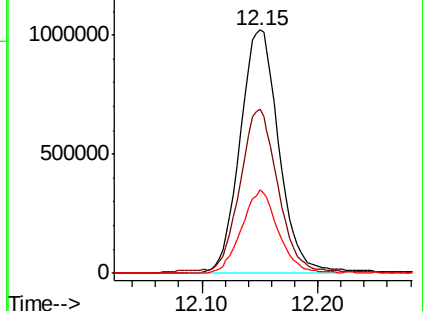
Ion	Ratio	Lower	Upper
112	100		
77	66.1	56.5	84.7
114	34.4	30.3	37.1



Abundance Ion 112.10 (111.80 to 112.80): VL039133.D (-2894) (-)

Ion 77.10 (76.80 to 77.80): VL039133.D (-2894) (-)

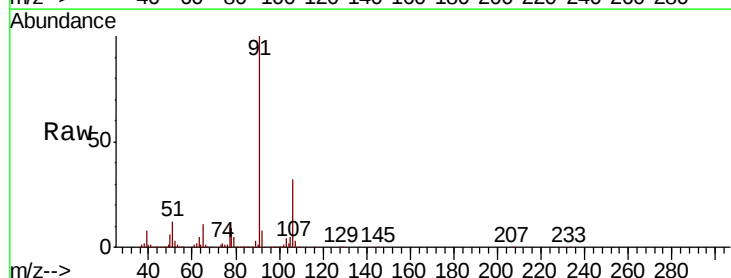
Ion 114.10 (113.80 to 114.80): VL039133.D (-2894) (-)



#58
Ethyl Benzene
Concen: 7.826 ppbv
RT: 12.71 min Scan# 3087
Delta R.T.: -0.00 min
Lab File: VL039360.D
Acq: 27 Jun 2022 13:45

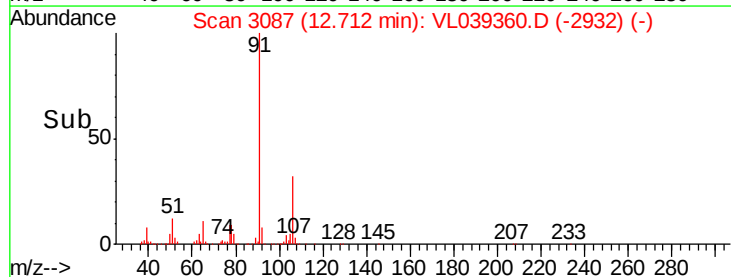
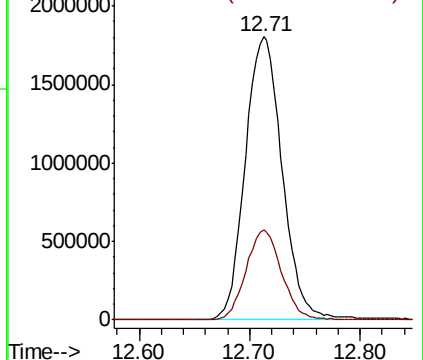
Tgt Ion: 91 Resp: 4170658

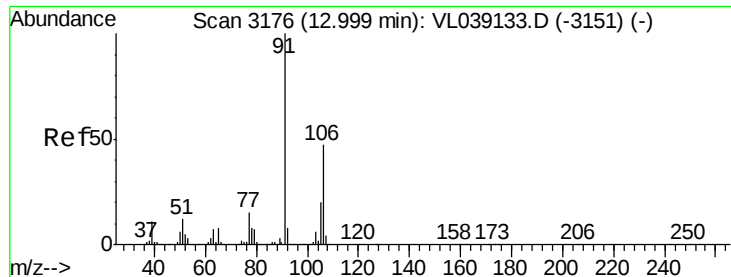
Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.2	36.4



Abundance Ion 91.10 (90.80 to 91.80): VL039133.D (-3067) (-)

Ion 106.10 (105.80 to 106.80): VL039133.D (-3067) (-)





#59

m/p-Xylene

Concen: 8.270 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

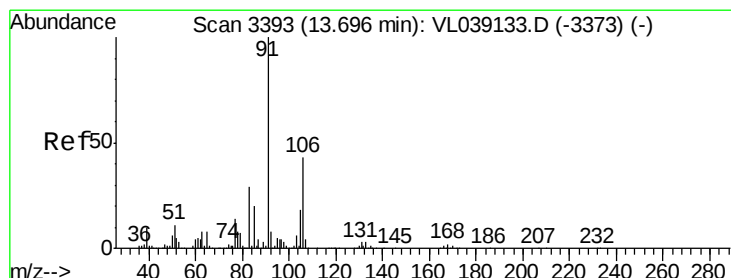
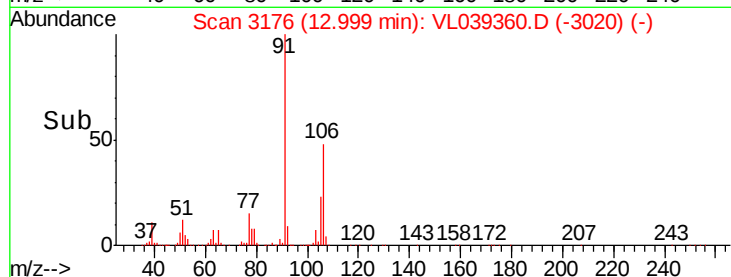
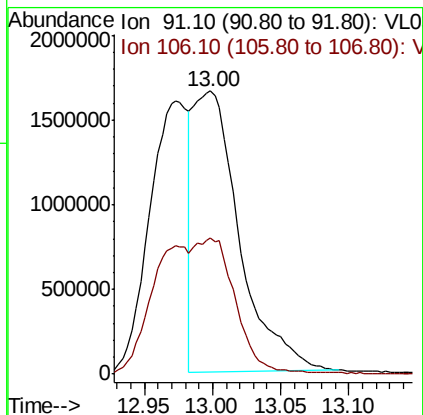
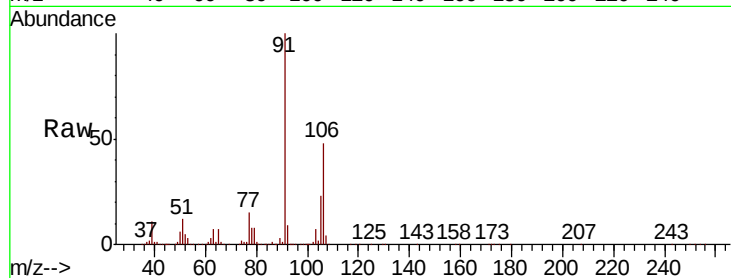
Acq: 27 Jun 2022 13:45

Tot Ion: 91 Resp: 3881214

Ion Ratio Lower Upper

91 100

106 83.1 34.3 51.5#



#60

o-Xylene

Concen: 7.871 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VL039360.D

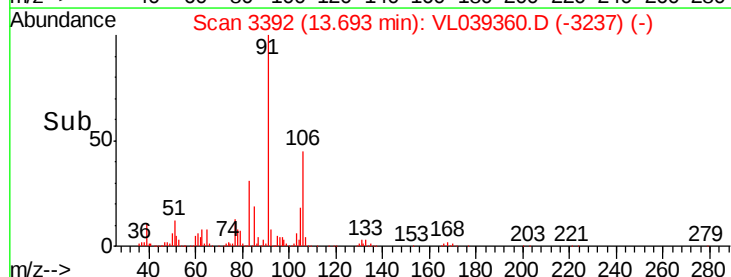
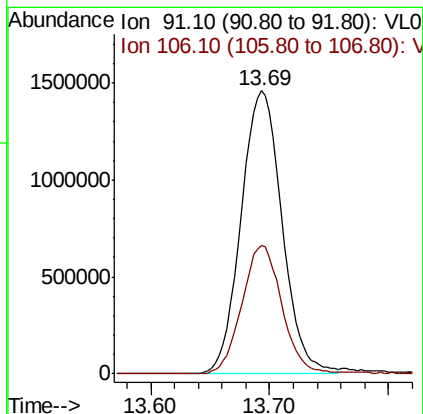
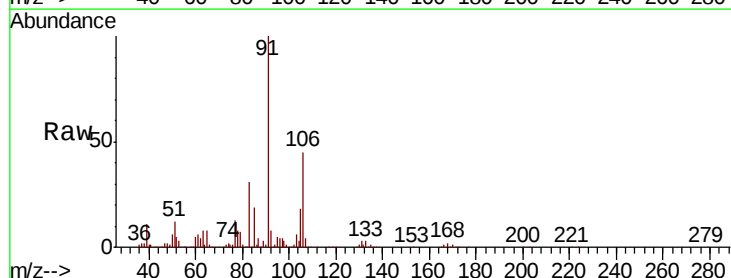
Acq: 27 Jun 2022 13:45

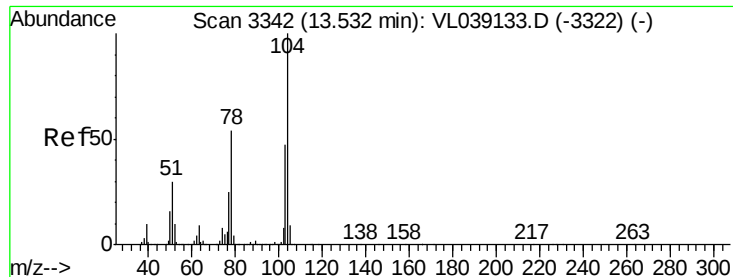
Tgt Ion: 91 Resp: 3471254

Ion Ratio Lower Upper

91 100

106 44.9 22.3 66.9





#61

Stvrene

Concen: 8.514 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jun 2022 13:45

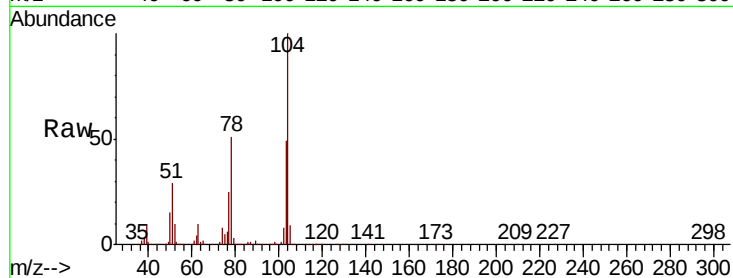
Tot Ion:104 Resp: 2010567

Ion Ratio Lower Upper

104 100

78 52.6 45.7 68.5

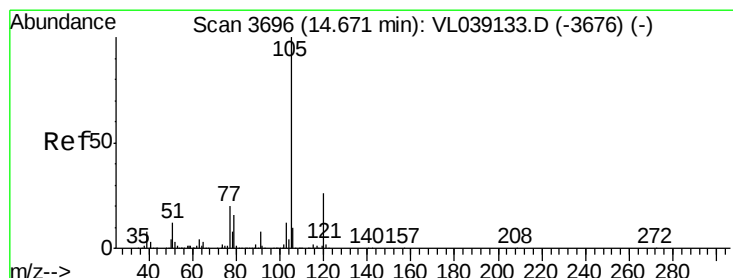
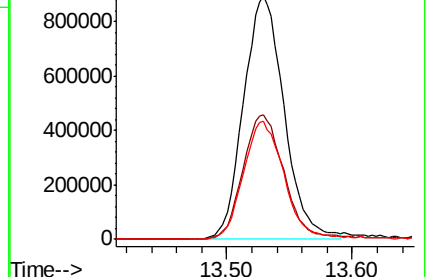
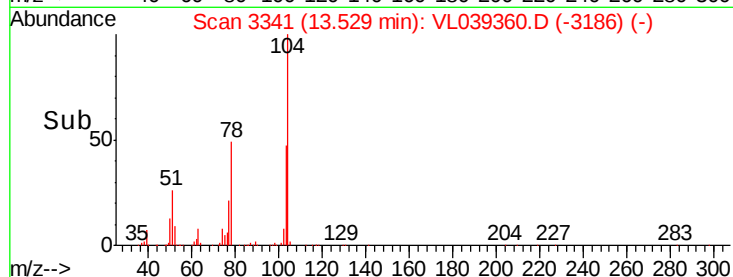
103 49.1 39.6 59.4



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: 7.816 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VL039360.D

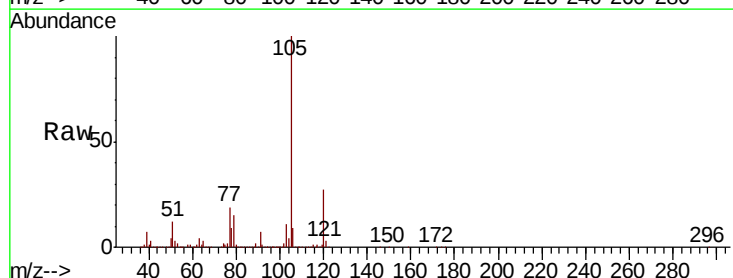
Acq: 27 Jun 2022 13:45

Tgt Ion:105 Resp: 5123170

Ion Ratio Lower Upper

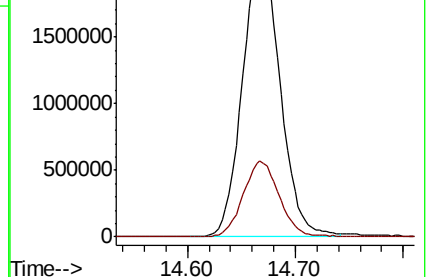
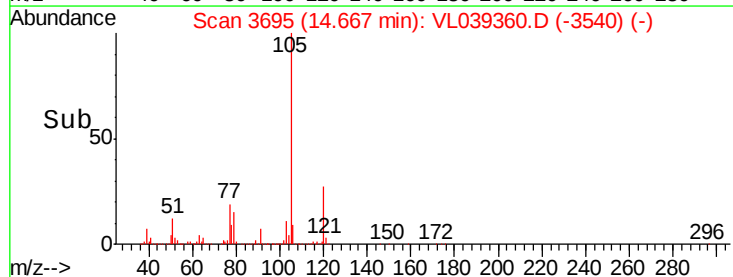
105 100

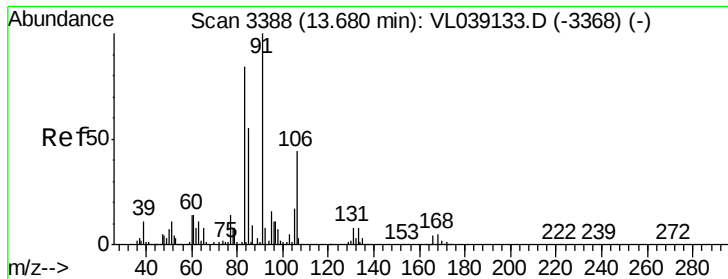
120 26.0 20.3 30.5



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: 6.967 ppbv

RT: 13.68

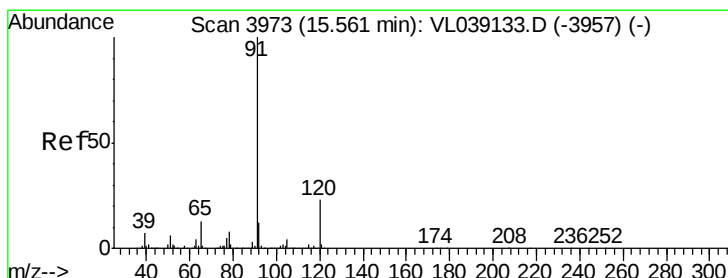
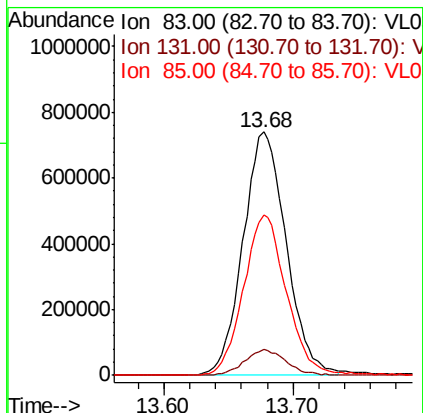
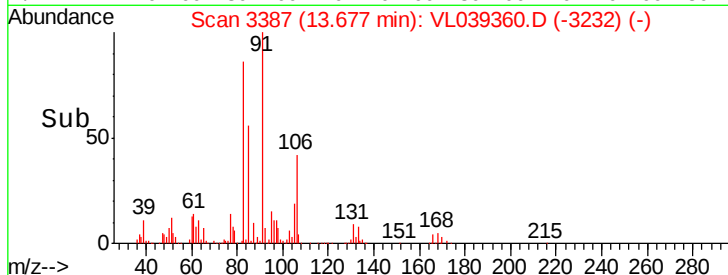
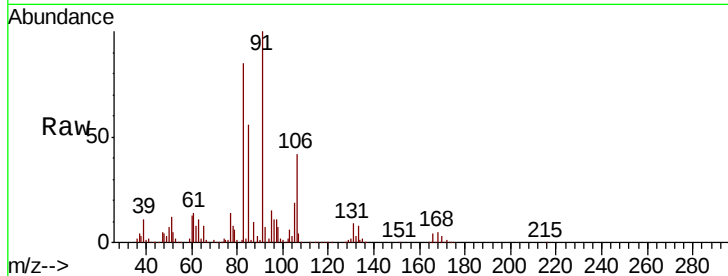
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Jun 2022 13:45

Tot Ion: 83 Resp: 1724453

Ion	Ratio	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	66.1	33.0	99.0



#64

n-propylbenzene

Concen: 8.456 ppbv

RT: 15.56 min Scan# 3973

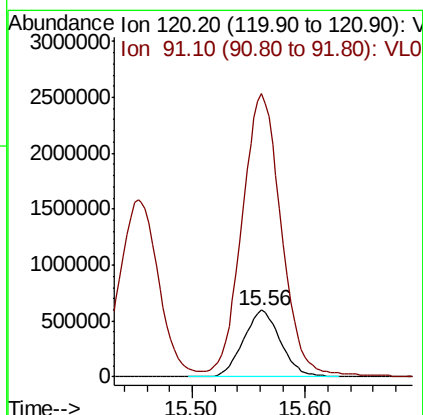
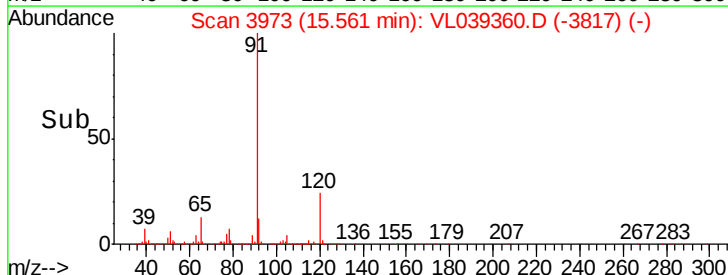
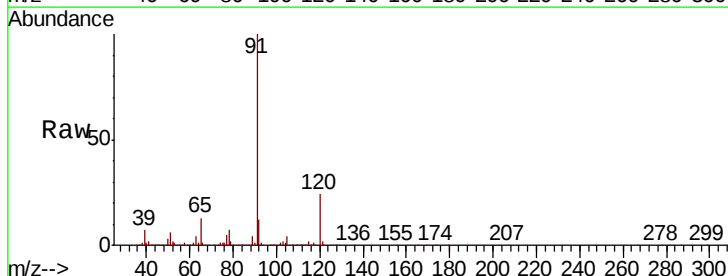
Delta R.T. 0.00 min

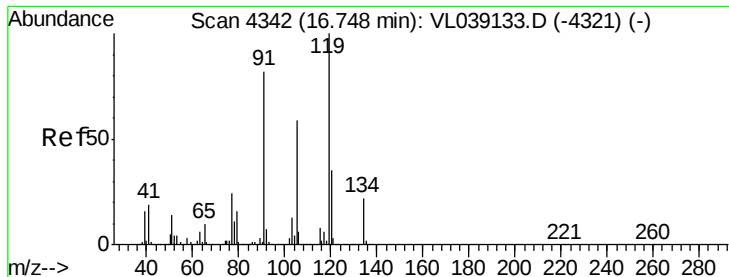
Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

Tgt Ion:120 Resp: 1362429

Ion	Ratio	Lower	Upper
120	100		
91	452.7	388.4	582.6

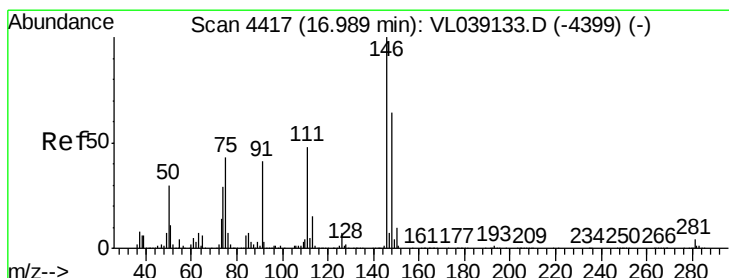
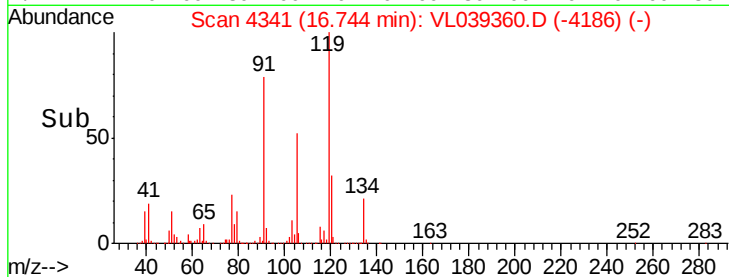
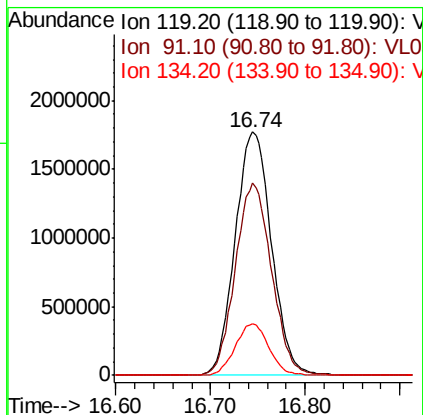
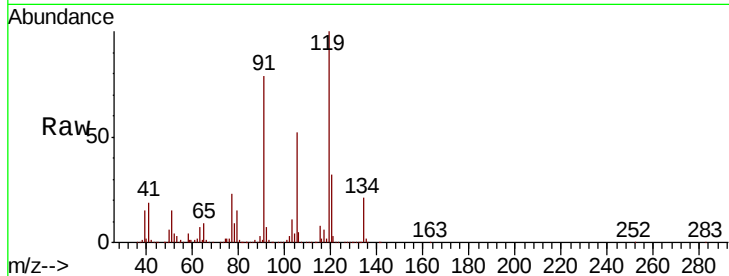




#65
 tert-Butylbenzene
 Concen: 7.891 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jun 2022 13:45

Tot Ion: 119 Resp: 4729793

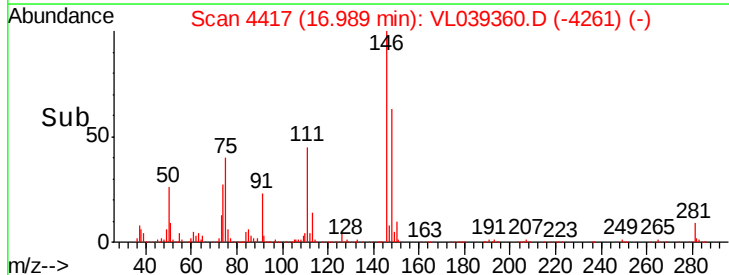
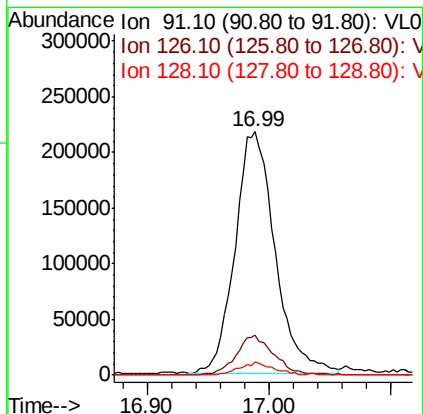
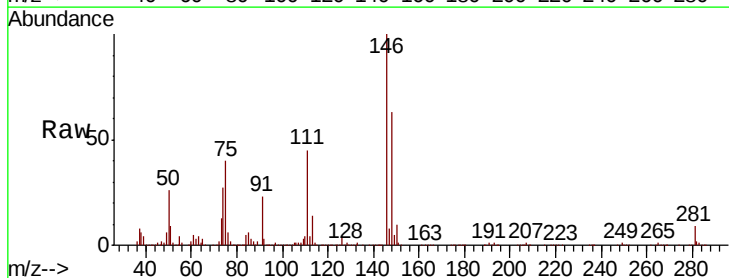
Ion	Ratio	Lower	Upper
119	100		
91	78.9	67.1	100.7
134	19.7	15.8	23.8

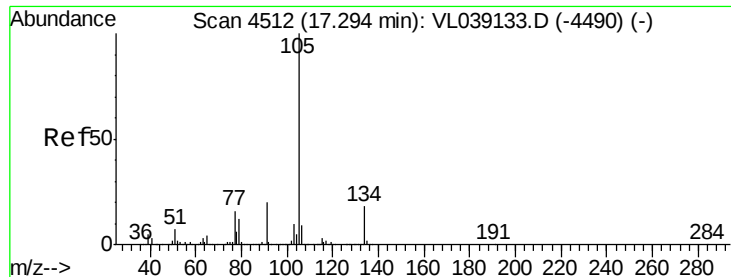


#66
 Benzyl Chloride
 Concen: 6.289 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T.: 0.00 min
 Lab File: VL039360.D
 Acq: 27 Jun 2022 13:45

Tgt Ion: 91 Resp: 490101

Ion	Ratio	Lower	Upper
91	100		
126	16.0	13.4	20.0
128	4.9	4.1	6.1





#67

sec-Butylbenzene

Concen: 7.848 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

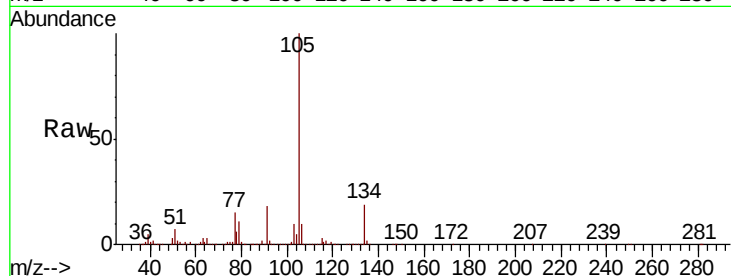
Acq: 27 Jun 2022 13:45

Tot Ion: 105 Resp: 6417860

Ion Ratio Lower Upper

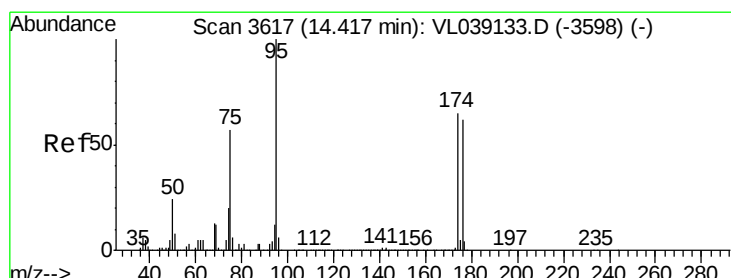
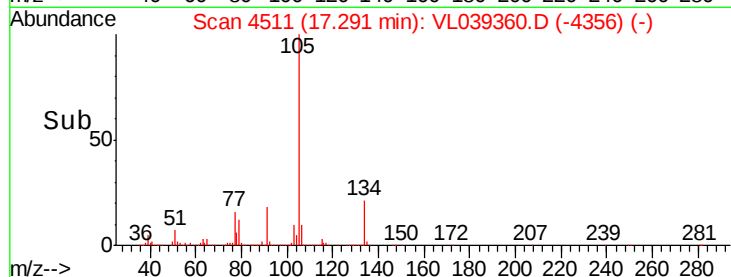
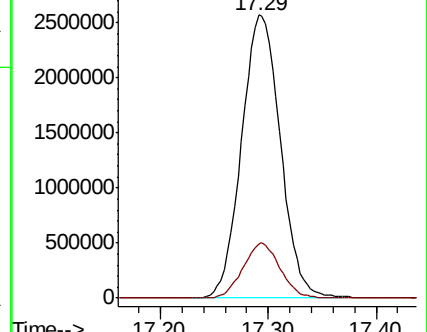
105 100

134 18.5 14.4 21.6



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: 7.397 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.00 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

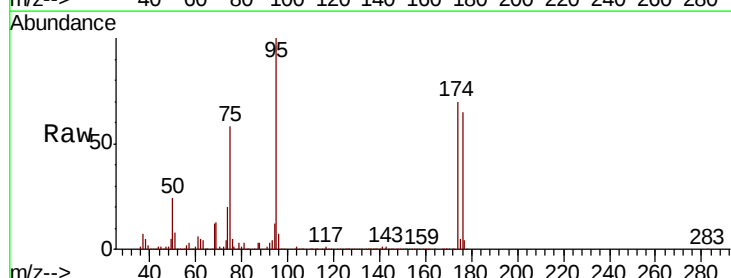
Tgt Ion: 95 Resp: 2365866

Ion Ratio Lower Upper

95 100

174 70.4 53.8 80.8

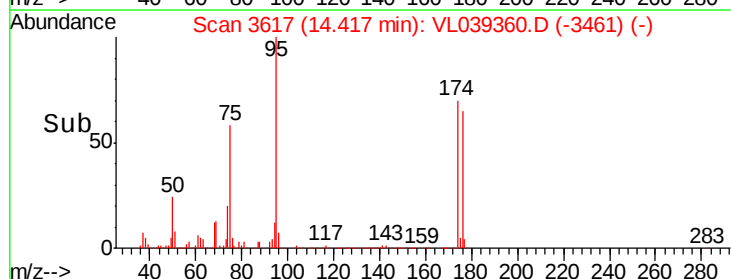
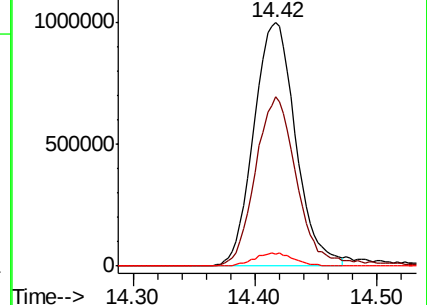
175 5.4 4.1 6.1

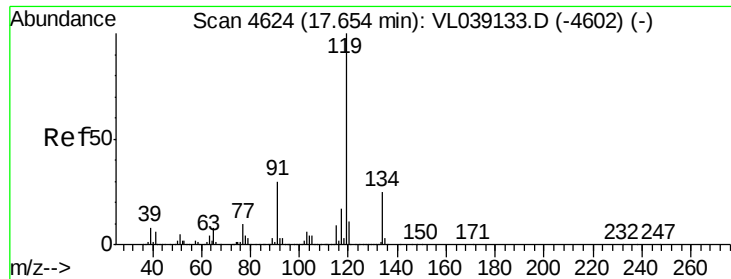


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

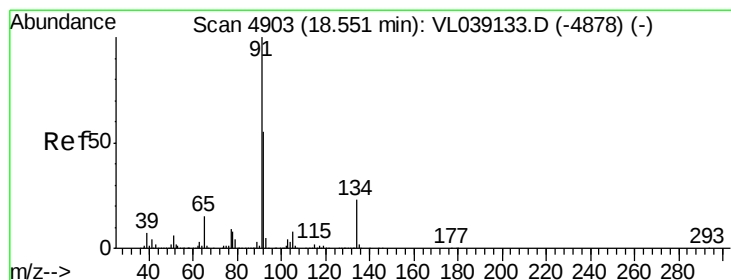
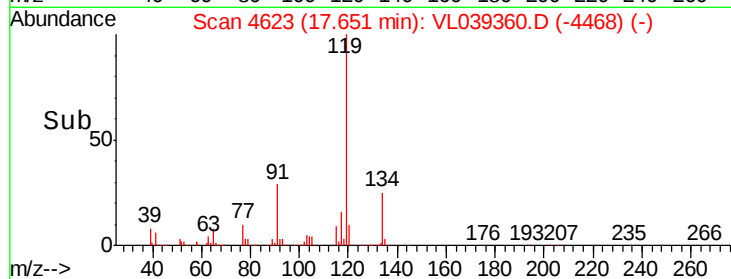
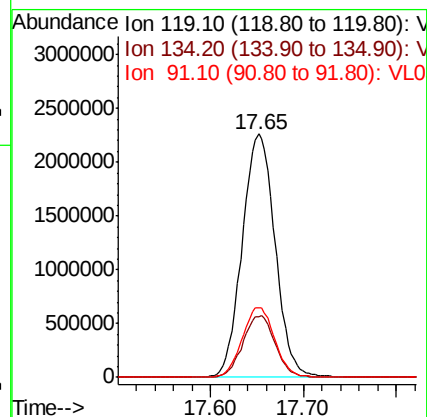
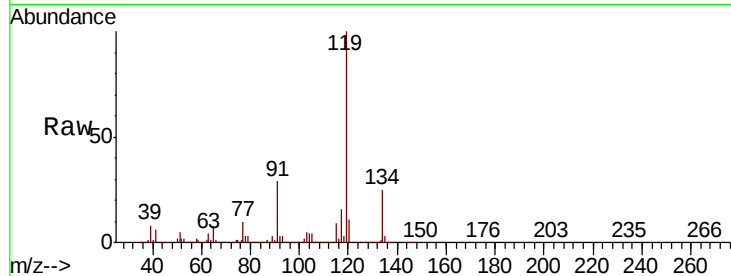
Ion 175.00 (174.70 to 175.70): V





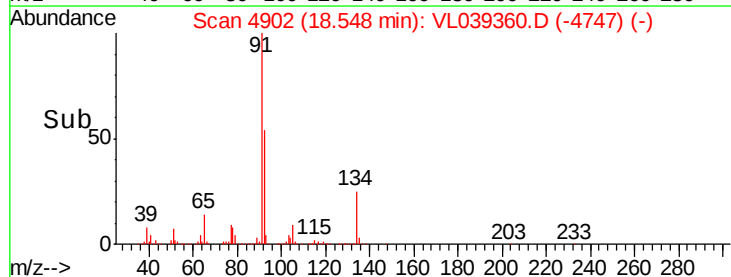
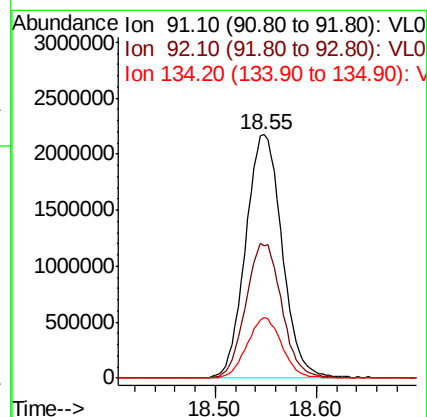
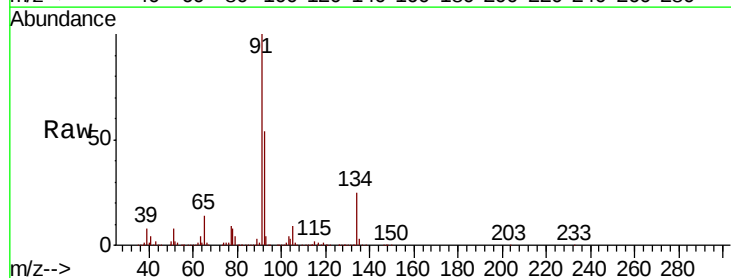
#69
 p-Isopropyltoluene
 Concen: 8.061 ppbv
 RT: 17.65 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 27 Jun 2022 13:45

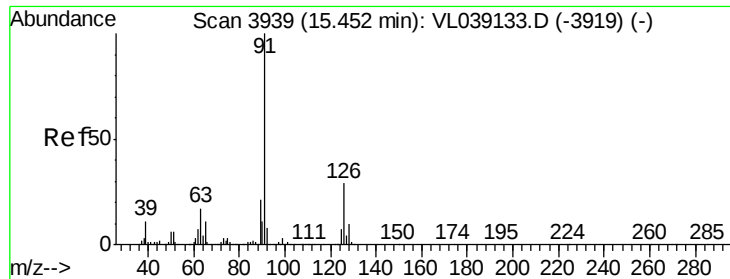
Tot Ion:	119	Resp:	5561703
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	28.5	24.2	36.4



#70
 n-Butylbenzene
 Concen: 7.684 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T.: -0.00 min
 Lab File: VL039360.D
 Acq: 27 Jun 2022 13:45

Tgt Ion:	91	Resp:	5441461
Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.6	65.4
134	23.9	17.7	26.5





#71

2-Chlorotoluene

Concen: 7.534 ppbv

RT: 15.45

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

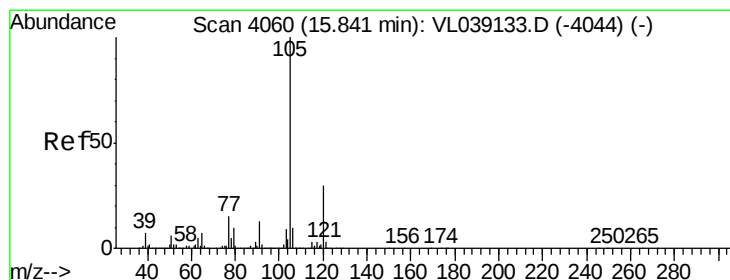
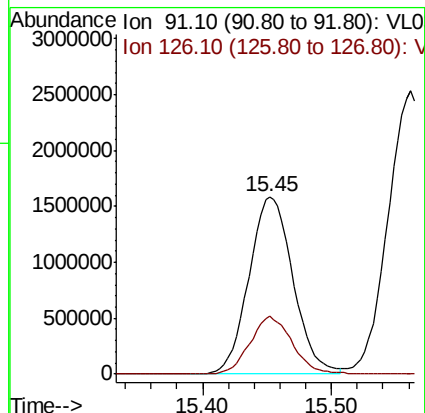
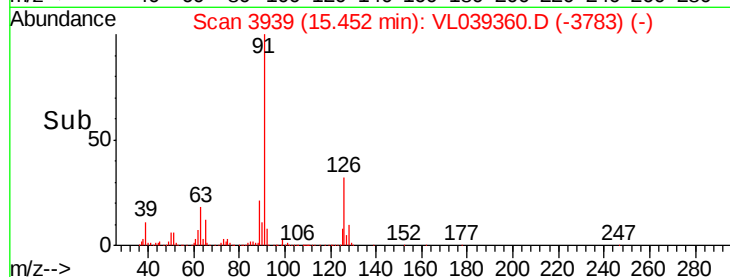
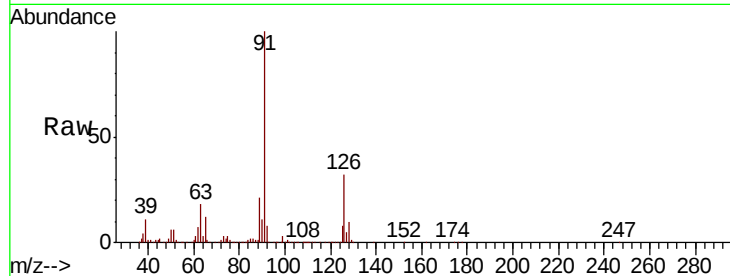
Acq: 27 Jun 2022 13:45

Tot Ion: 91 Resp: 3765785

Ion Ratio Lower Upper

91 100

126 32.0 12.2 48.6



#72

4-Ethyltoluene

Concen: 8.236 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.00 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

Tgt Ion:105 Resp: 4256684

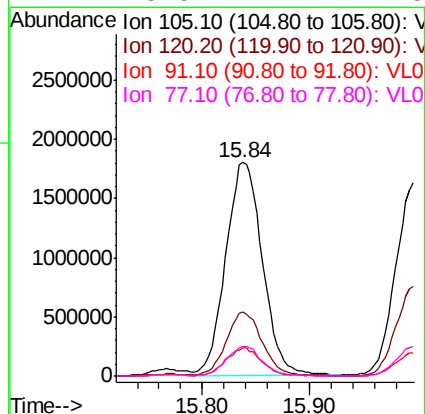
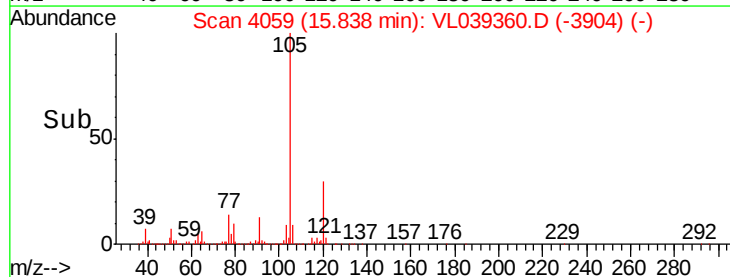
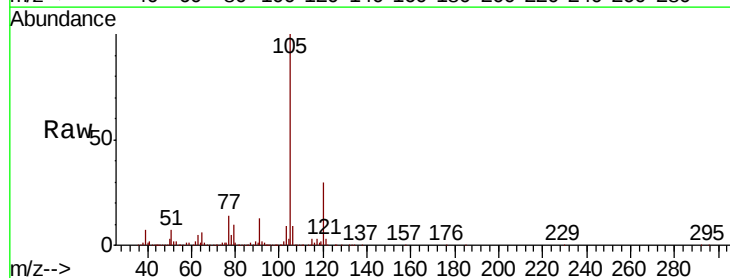
Ion Ratio Lower Upper

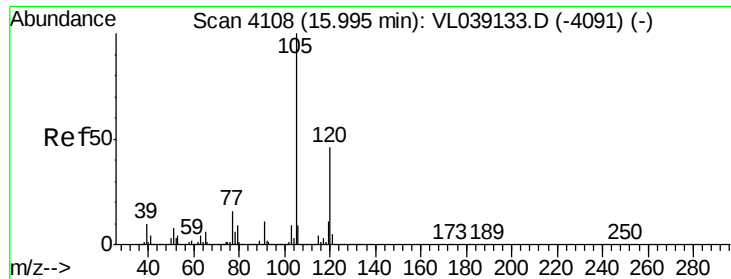
105 100

120 29.6 23.9 35.9

91 12.5 10.6 16.0

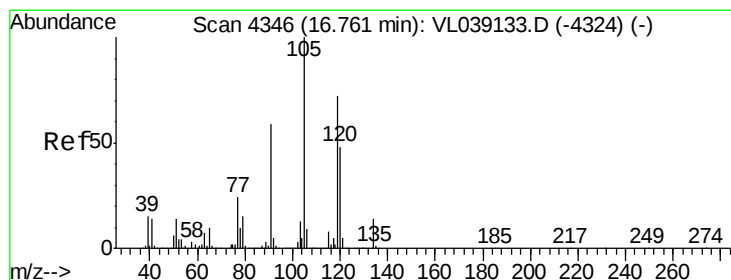
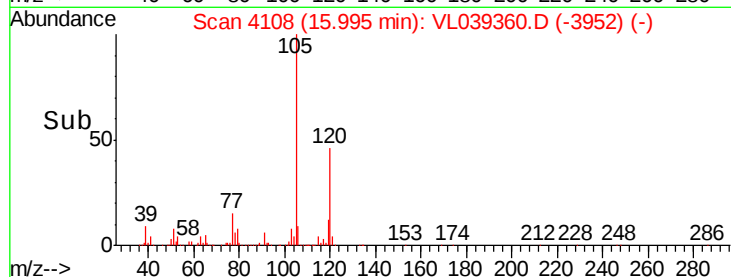
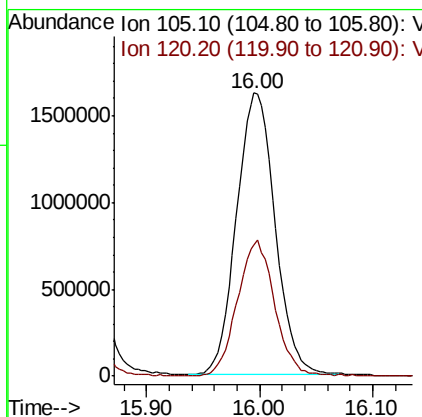
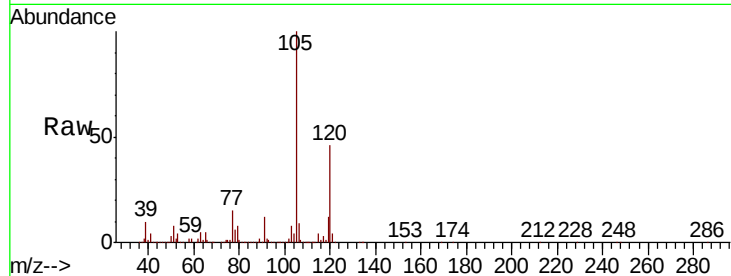
77 13.5 11.7 17.5





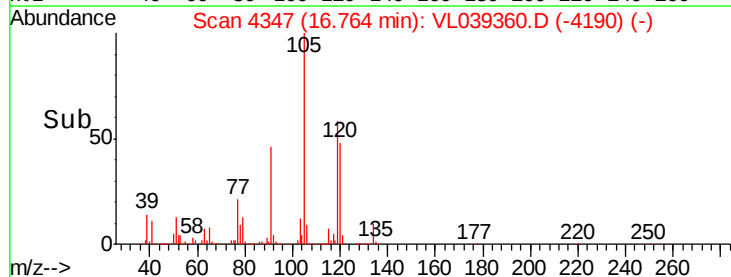
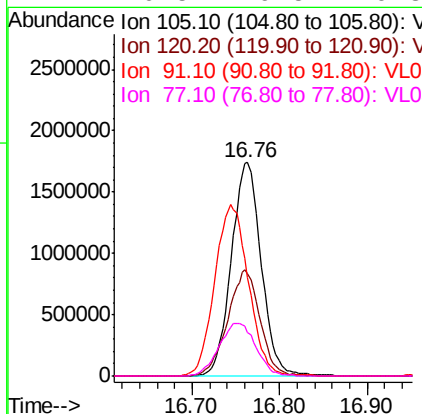
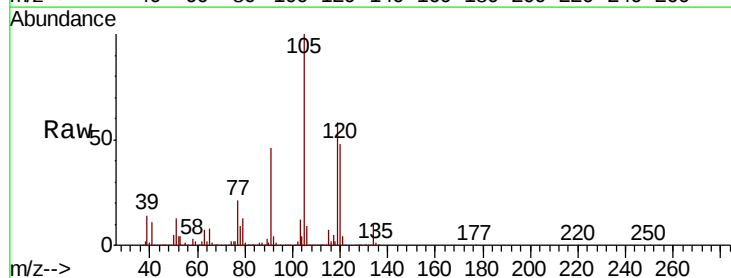
#73
 1,3,5-Trimethylbenzene
 Concen: 8.257 ppbv
 RT: 16.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jun 2022 13:45

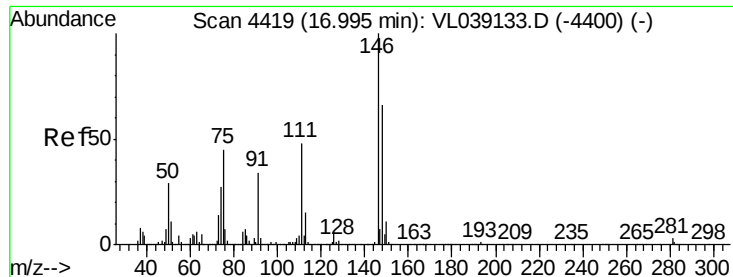
Tot Ion:105 Resp: 3849315
 Ion Ratio Lower Upper
 105 100
 120 46.2 36.7 55.1



#74
 1,2,4-Trimethylbenzene
 Concen: 7.930 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL039360.D
 Acq: 27 Jun 2022 13:45

Tgt Ion:105 Resp: 4125219
 Ion Ratio Lower Upper
 105 100
 120 47.8 38.1 57.1
 91 46.2 47.4 71.0#
 77 20.5 19.5 29.3





#75

1,3-Dichlorobenzene

Concen: 8.151 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jun 2022 13:45

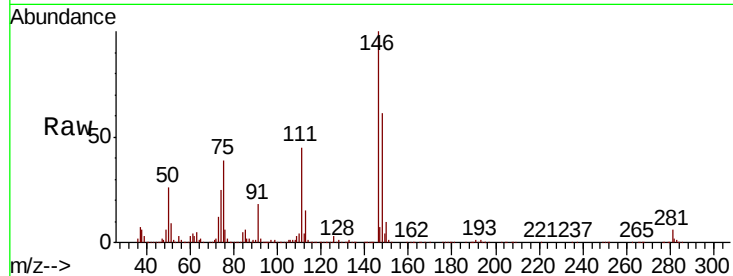
Tot Ion:146 Resp: 2400103

Ion Ratio Lower Upper

146 100

111 46.4 23.8 71.4

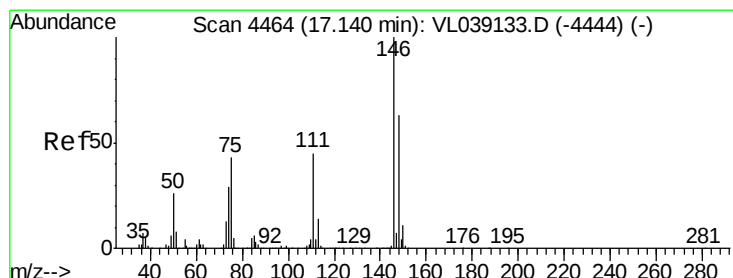
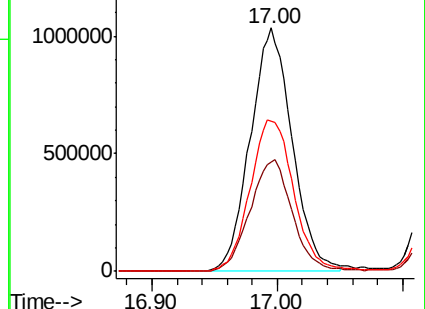
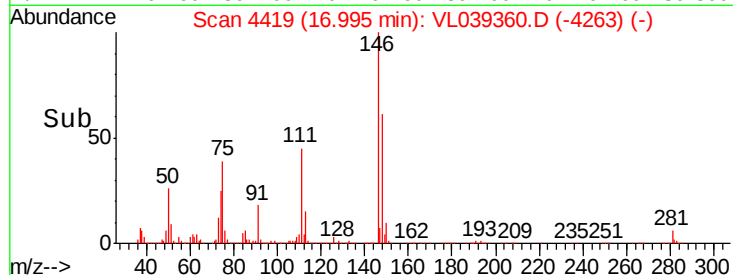
148 64.8 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.974 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.00 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

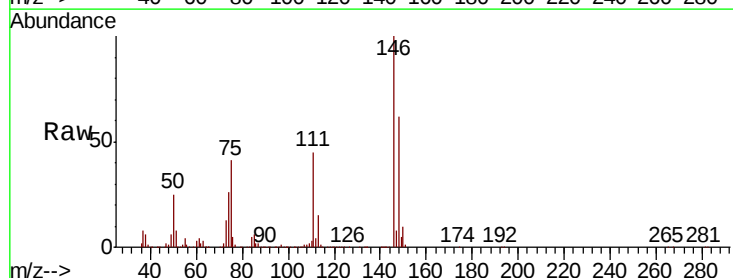
Tgt Ion:146 Resp: 2342628

Ion Ratio Lower Upper

146 100

111 45.6 23.6 71.0

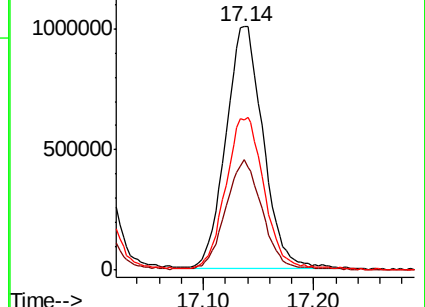
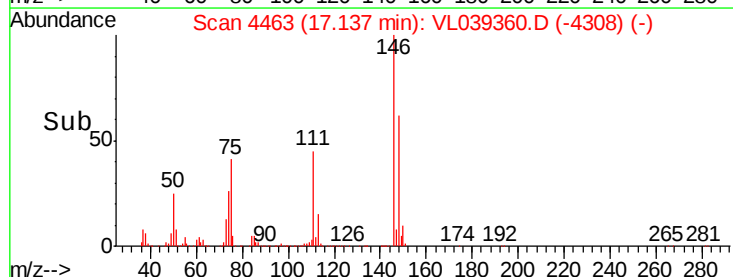
148 66.1 33.7 101.0

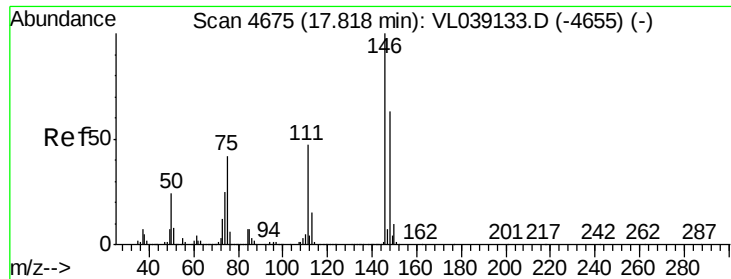


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.906 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jun 2022 13:45

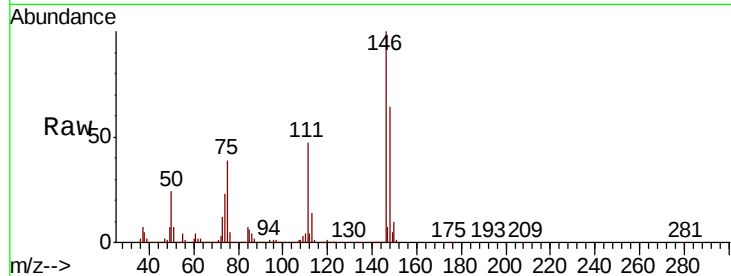
Tot Ion:146 Resp: 2346392

Ion Ratio Lower Upper

146 100

111 47.8 24.4 73.4

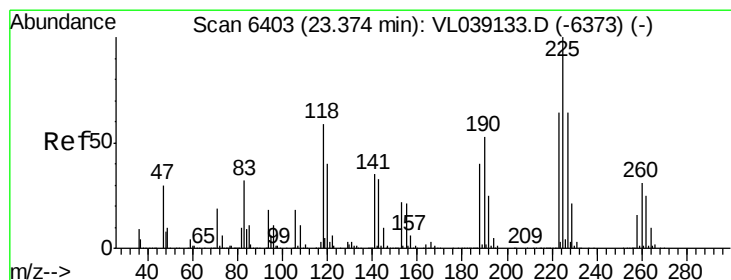
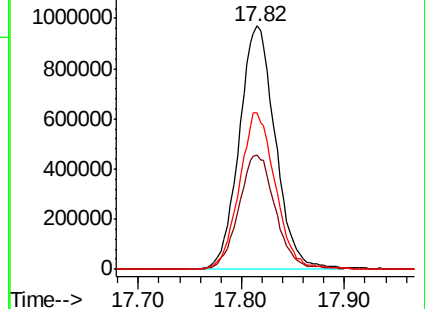
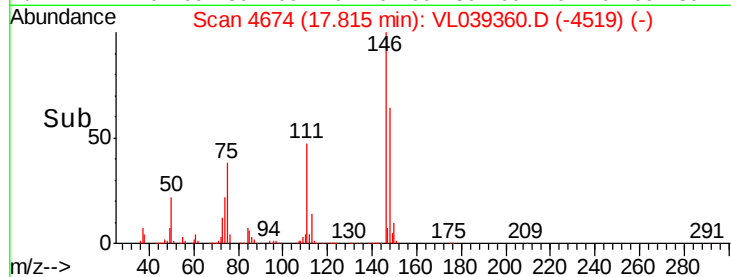
148 64.5 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.517 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. -0.01 min

Lab File: VL039360.D

Acq: 27 Jun 2022 13:45

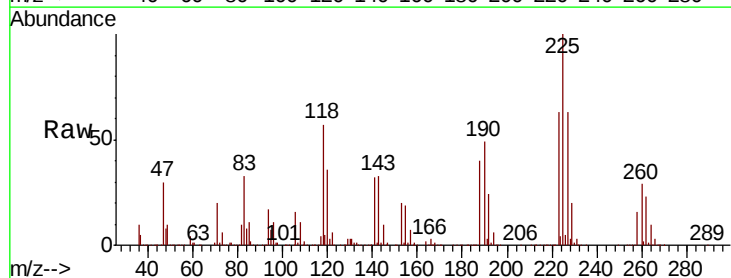
Tgt Ion:225 Resp: 1768454

Ion Ratio Lower Upper

225 100

223 63.6 51.4 77.0

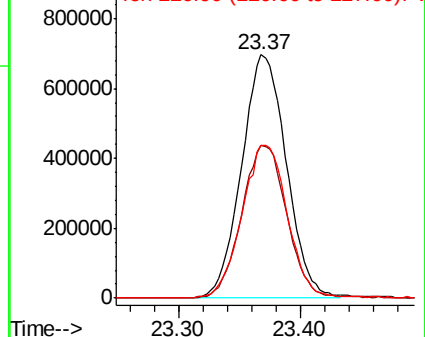
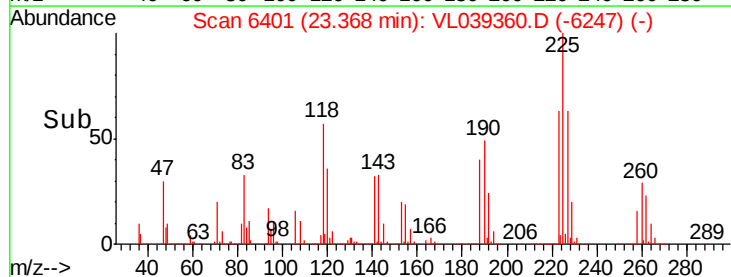
227 64.3 50.6 75.8

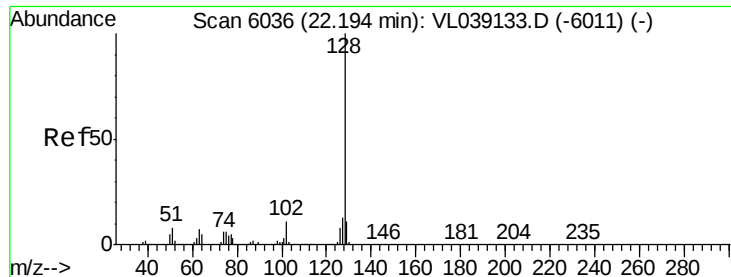


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

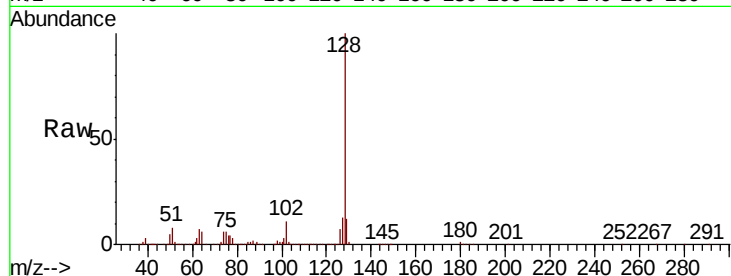




#79
Naphthalene
Concen: 8.538 ppbv
RT: 22.19 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Jun 2022 13:45
VSTDCCC010

Tot Ion:128 Resp: 3419074

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.6	9.0	13.6

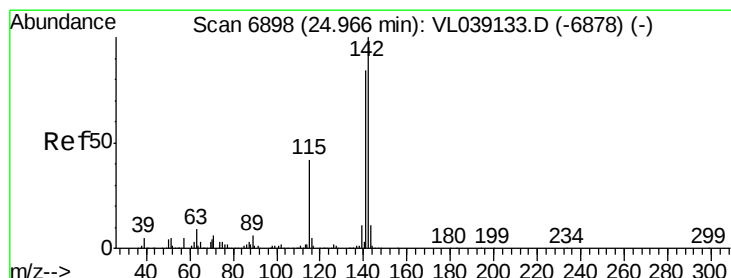
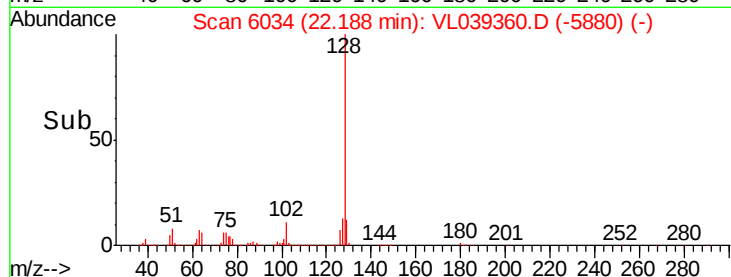
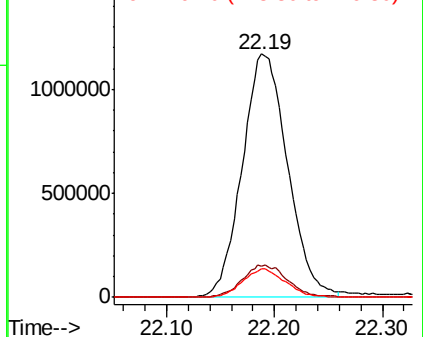


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

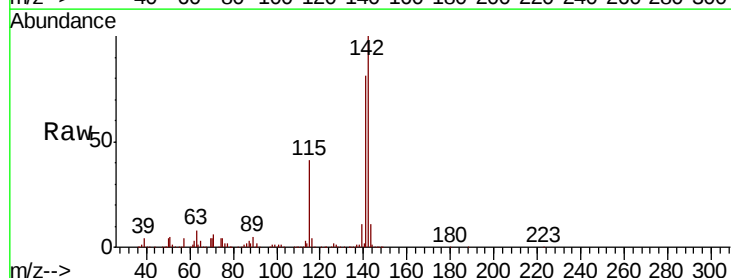
Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 7.522 ppbv
RT: 24.97 min Scan# 6898
Delta R.T.: 0.00 min
Lab File: VL039360.D
Acq: 27 Jun 2022 13:45

Tgt Ion:142 Resp: 1119188

Ion	Ratio	Lower	Upper
142	100		
141	84.1	64.6	96.8
115	39.4	32.7	49.1

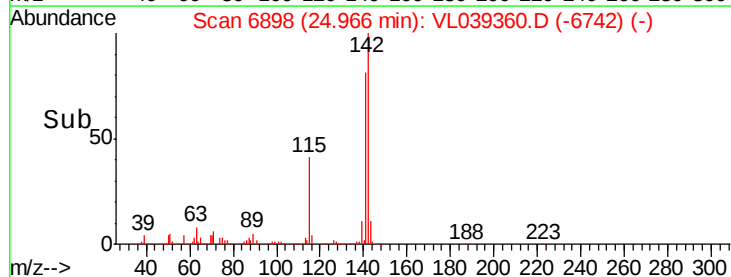
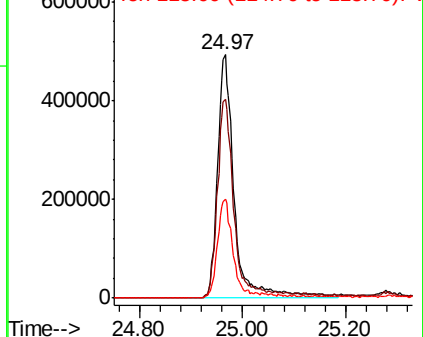


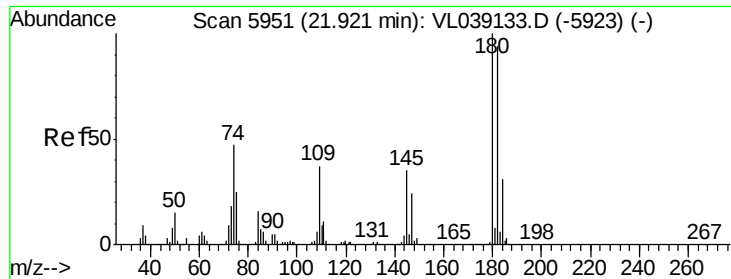
Abundance

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: 7.797 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 27 Jun 2022 13:43

Tot Ion:180 Resp: 1978235
 Ion Ratio Lower Upper
 180 100
 182 99.9 0.0 0.0#
 184 31.3 0.0 0.0#

