

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060822\
 Data File : VL039251.D
 Acq On : 9 Jun 2022 1:45
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jun 09 06:43:06 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	5.69	49	932887	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.20	114	2057773	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	1868607	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1888857	12.23	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	122.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1084784	6.620	ppbv 96
3) Chlorodifluoromethane	3.01	51	1266865	10.673	ppbv 92
4) Chloromethane	3.16	50	642840	10.543	ppbv 99
5) Vinyl Chloride	3.27	62	669796	11.751	ppbv 98
6) Bromomethane	3.49	94	353295	12.600	ppbv 99
7) Chloroethane	3.57	64	267356	13.462	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	1784179	11.914	ppbv 96
9) Propene	3.03	41	422646	8.166	ppbv 99
10) Heptane	8.14	43	1121721	9.290	ppbv 100
11) Trichlorofluoromethane	3.97	101	2189063	14.759	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1410242	14.377	ppbv 100
13) Ethanol	3.61	45	38014	13.468	ppbv # 100
14) Bromoethene	3.75	108	587472	13.323	ppbv # 98
15) Acetone	3.86	43	1464791	15.073	ppbv 97
16) 1,3-Butadiene	3.35	39	632373	12.105	ppbv 98
17) tert-Butyl alcohol	4.30	59	1064010	14.116	ppbv 100
18) 1,1-Dichloroethene	4.31	96	649334	14.757	ppbv 90
19) Isopropyl Alcohol	3.97	45	593944	13.031	ppbv # 95
20) Methylene Chloride	4.36	84	532834	13.011	ppbv 98
21) Allyl Chloride	4.43	41	944886	14.414	ppbv 96
22) trans-1,2-Dichloroethene	4.90	96	661455	15.624	ppbv 97
23) Vinyl Acetate	5.09	43	1007200	12.527	ppbv 99
24) 1,1-Dichloroethane	5.03	63	1408673	12.787	ppbv 100
25) Ethyl Acetate	5.69	43	2244399	10.247	ppbv 99
26) Hexane	5.71	57	917794	9.535	ppbv 91
27) Carbon Disulfide	4.57	76	1545875	15.496	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	1263619	11.892	ppbv 98
29) Chloroform	5.77	83	1773927	10.953	ppbv 98
30) Cyclohexane	7.15	84	700181	8.659	ppbv 94
31) cis-1,2-Dichloroethene	5.57	61	1016018	10.353	ppbv 91
32) 1,1,1-Trichloroethane	6.53	97	1883392	11.884	ppbv 98
34) 2-Butanone	5.26	43	1394740	12.476	ppbv 96
35) Carbon Tetrachloride	7.04	117	2096214	13.957	ppbv 99
36) Benzene	6.91	78	1751041	10.482	ppbv # 95
37) 1,2-Dichloroethane	6.32	62	1561319	14.201	ppbv # 96
38) Trichloroethene	7.85	130	901688	11.751	ppbv 96
39) 1,2-Dichloropropane	7.63	63	670136	10.085	ppbv # 83
40) 1,4-Dioxane	7.85	88	248951	11.380	ppbv # 1
41) Tetrahydrofuran	6.06	42	693389	10.313	ppbv 99
42) Bromodichloromethane	7.81	83	2008806	13.165	ppbv 98
43) Methyl Methacrylate	8.03	69	754871	11.600	ppbv 95

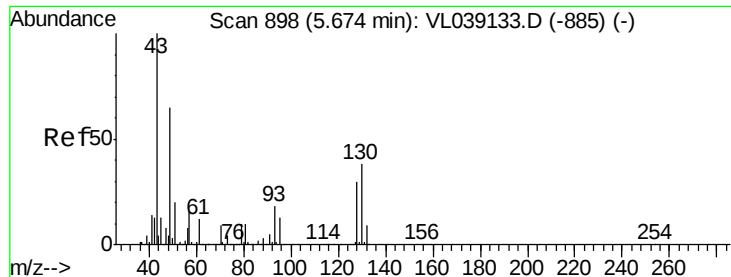
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060822\
 Data File : VL039251.D
 Acq On : 9 Jun 2022 1:45
 Operator : SY/AP
 Sample : VSTDCCC010
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Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jun 09 06:43:06 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	7.89	57	3047194	10.427	ppbv	94
45) t-1,3-Dichloropropene	9.29	75	963205	14.213	ppbv	97
46) cis-1,3-Dichloropropene	8.72	75	1123795	12.552	ppbv	90
47) 1,1,2-Trichloroethane	9.49	97	763674	11.016	ppbv	98
48) Dibromochloromethane	10.32	129	1619261	13.081	ppbv	99
49) Bromoform	13.06	173	1319449	12.791	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	2017765	12.058	ppbv	97
51) 2-Hexanone	10.15	43	1606419	12.337	ppbv #	92
52) Tetrachloroethene	11.24	164	682094	10.457	ppbv	88
53) Toluene	9.83	91	2119197	11.016	ppbv	98
54) 1,2-Dibromoethane	10.63	107	1137228	12.208	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.14	131	1107482	12.525	ppbv	96
57) Chlorobenzene	12.17	112	1604832	11.414	ppbv	95
58) Ethyl Benzene	12.73	91	3039461	11.809	ppbv	96
59) m/p-Xylene	13.01	91	3121813	13.773	ppbv #	54
60) o-Xylene	13.71	91	2821782	13.249	ppbv	95
61) Styrene	13.55	104	1433145	12.566	ppbv	96
62) Isopropylbenzene	14.68	105	4020079	12.699	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	1443518	12.075	ppbv	100
64) n-propylbenzene	15.58	120	998623	12.833	ppbv	91
65) tert-Butylbenzene	16.76	119	3839910	13.265	ppbv	93
66) Benzyl Chloride	17.00	91	654254	17.382	ppbv	97
67) sec-Butylbenzene	17.31	105	5333429	13.504	ppbv	99
69) p-Isopropyltoluene	17.67	119	4501635	13.509	ppbv	97
70) n-Butylbenzene	18.56	91	4735802	13.846	ppbv	98
71) 2-Chlorotoluene	15.47	91	3126303	12.951	ppbv	98
72) 4-Ethyltoluene	15.85	105	3252569	13.030	ppbv	97
73) 1,3,5-Trimethylbenzene	16.01	105	3036197	13.486	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	3470063	13.811	ppbv	94
75) 1,3-Dichlorobenzene	17.01	146	1878576	13.210	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1856978	13.087	ppbv	97
77) 1,2-Dichlorobenzene	17.83	146	1822086	12.712	ppbv	97
78) Hexachloro-1,3-Butadiene	23.39	225	1683869	12.847	ppbv	99
79) Naphthalene	22.21	128	2889630	14.940	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1070552	14.898	ppbv	93
81) 1,2,4-Trichlorobenzene	21.94	180	1621777	13.236	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 9 Jun 2022 1:45

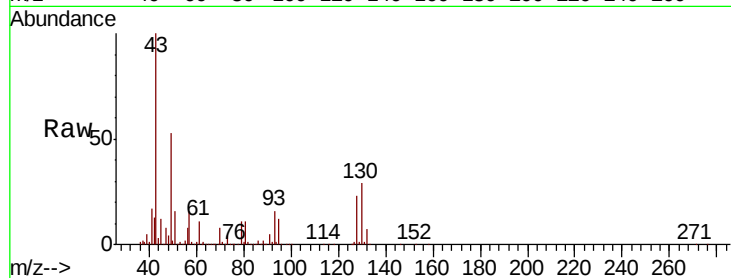
Tot Ion: 49 Resp: 932887

Ion Ratio Lower Upper

49 100

128 47.2 24.7 74.1

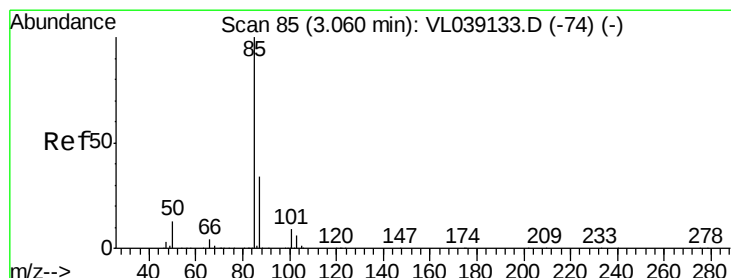
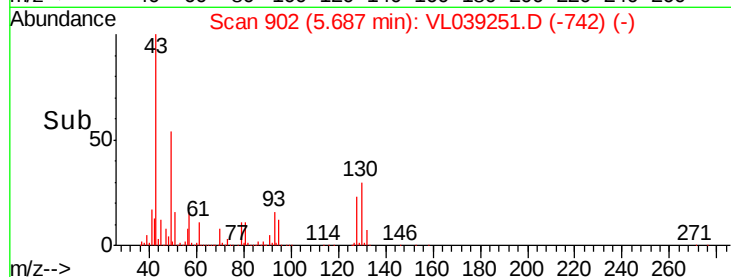
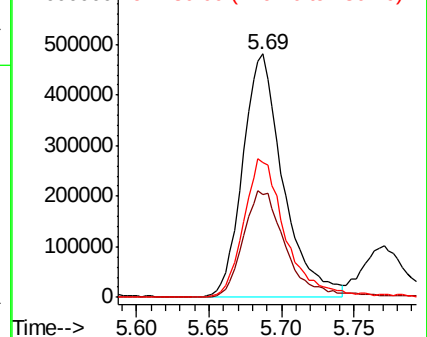
130 60.0 31.4 94.0



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: 6.620 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.00 min

Lab File: VL039251.D

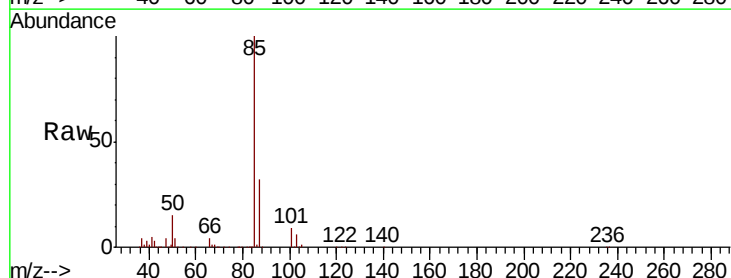
Acq: 9 Jun 2022 1:45

Tgt Ion: 85 Resp: 1084784

Ion Ratio Lower Upper

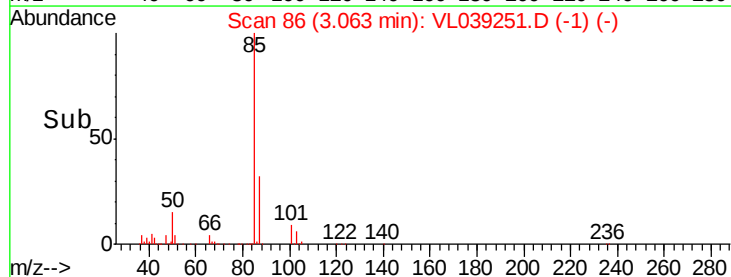
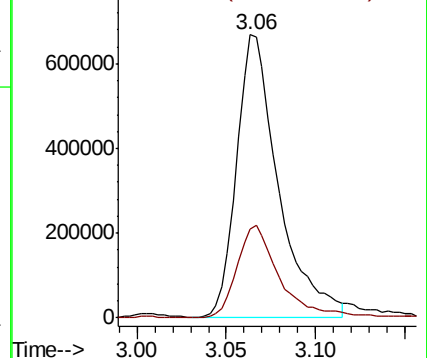
85 100

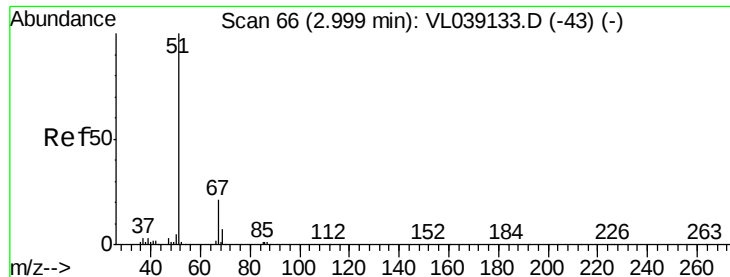
87 31.5 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.673 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

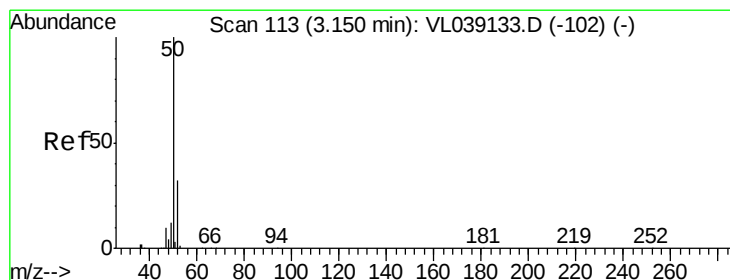
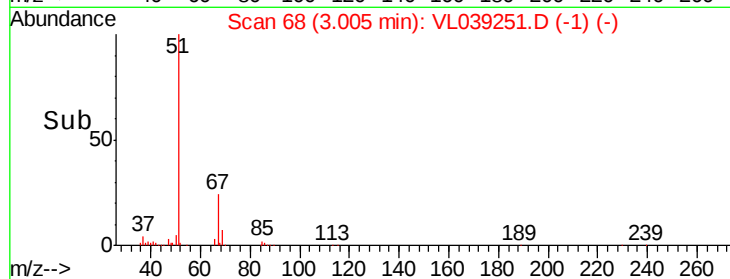
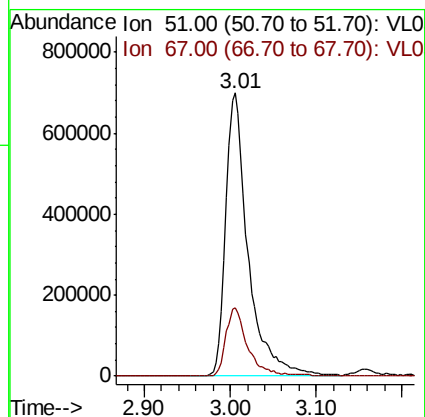
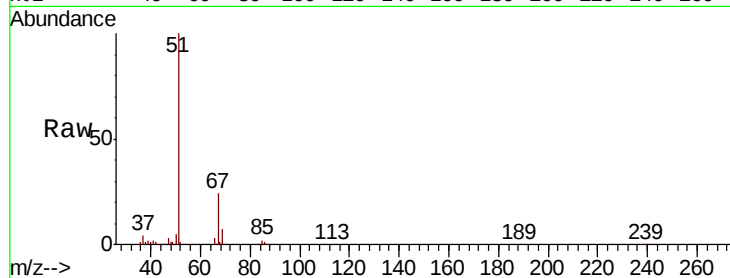
Acq: 9 Jun 2022 1:45 VSTDCCC010EC

Tot Ion: 51 Resp: 1266865

Ion Ratio Lower Upper

51 100

67 23.9 16.2 24.4



#4

Chloromethane

Concen: 10.543 ppbv

RT: 3.16 min Scan# 116

Delta R.T. 0.01 min

Lab File: VL039251.D

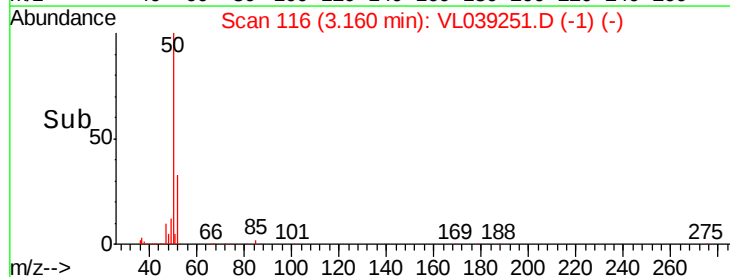
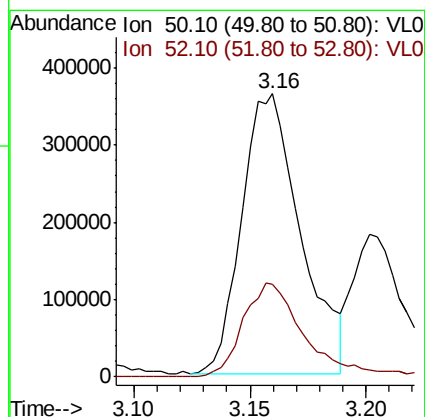
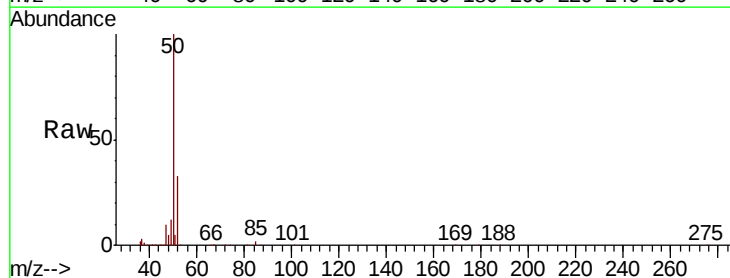
Acq: 9 Jun 2022 1:45

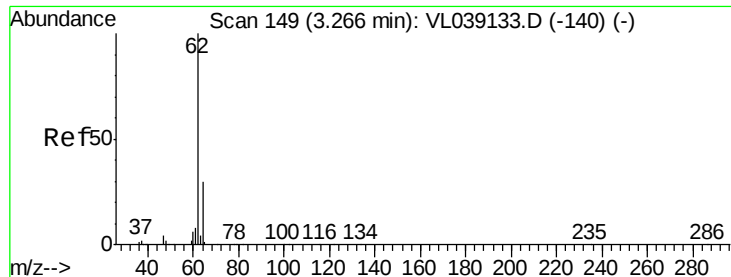
Tgt Ion: 50 Resp: 642840

Ion Ratio Lower Upper

50 100

52 33.0 25.9 38.9





#5

Vinyl Chloride

Concen: 11.751 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

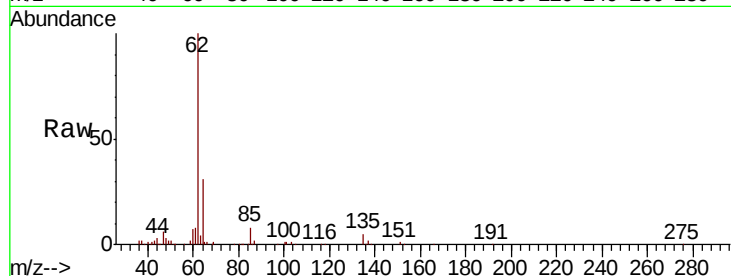
Acq: 9 Jun 2022 1:45 VSTDCCC010EC

Tot Ion: 62 Resp: 669796

Ion Ratio Lower Upper

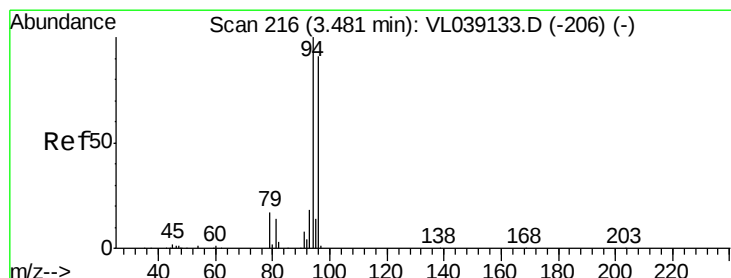
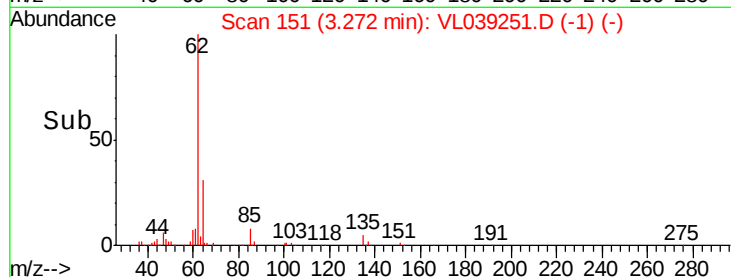
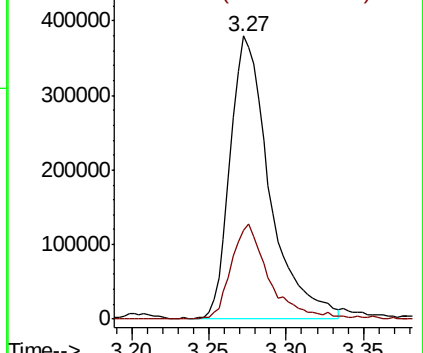
62 100

64 31.4 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: 12.600 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL039251.D

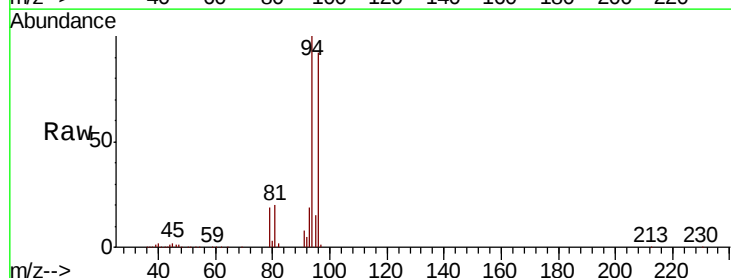
Acq: 9 Jun 2022 1:45

Tgt Ion: 94 Resp: 353295

Ion Ratio Lower Upper

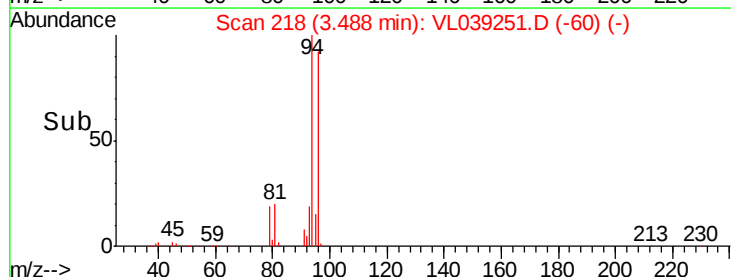
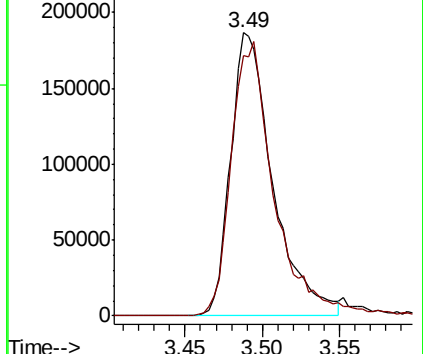
94 100

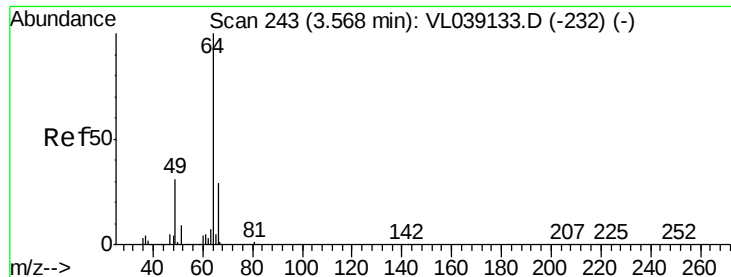
96 91.8 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 13.462 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

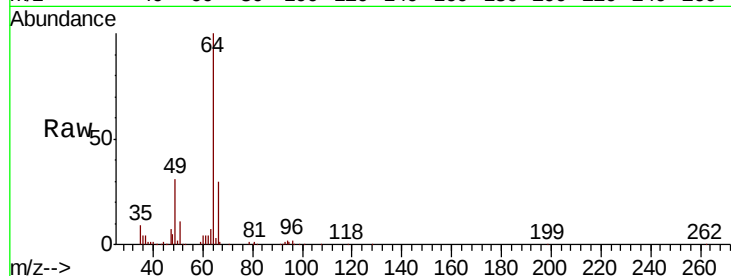
Acq: 9 Jun 2022 1:45 VSTDCCC010EC

Tot Ion: 64 Resp: 267356

Ion Ratio Lower Upper

64 100

66 29.7 23.6 35.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

100000

50000

0

3.57

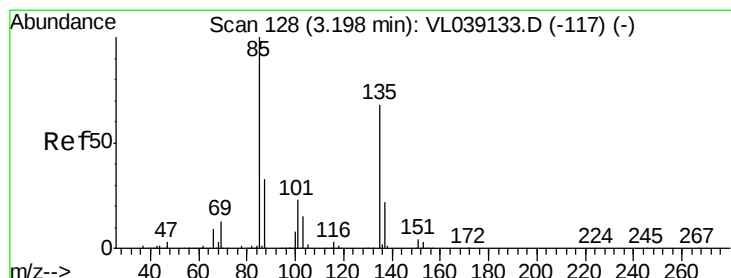
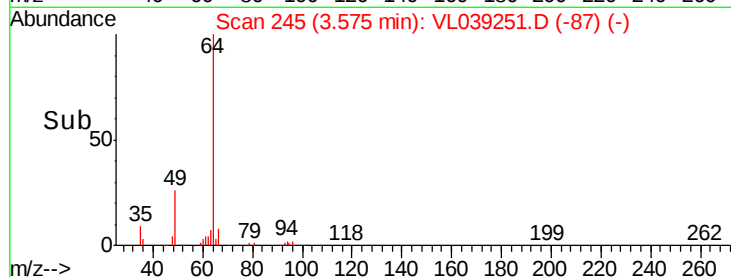
3.50

3.55

3.60

3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 11.914 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL039251.D

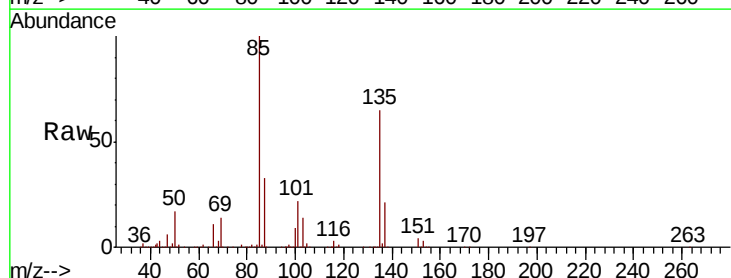
Acq: 9 Jun 2022 1:45

Tgt Ion: 85 Resp: 1784179

Ion Ratio Lower Upper

85 100

135 65.6 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

400000

200000

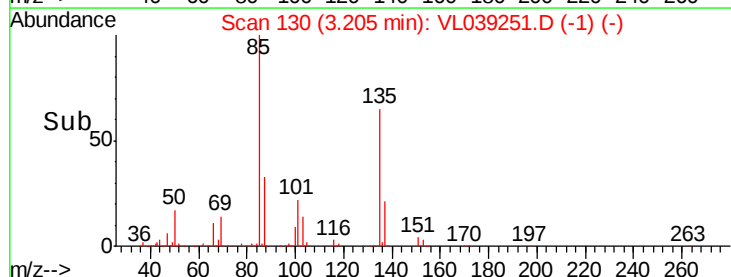
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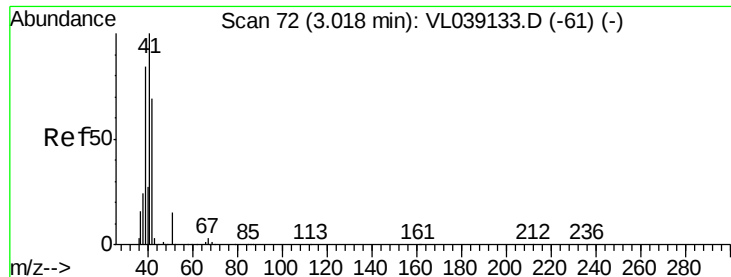
3.20

3.20

3.30

Time-->





#9

Propene

Concen: 8.166 ppbv

RT: 3.03 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

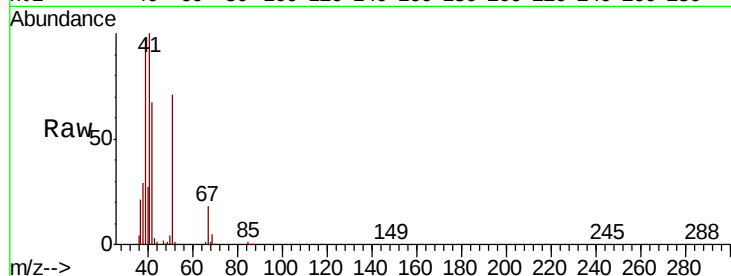
Acq: 9 Jun 2022 1:45

Tot Ion: 41 Resp: 422646

Ion Ratio Lower Upper

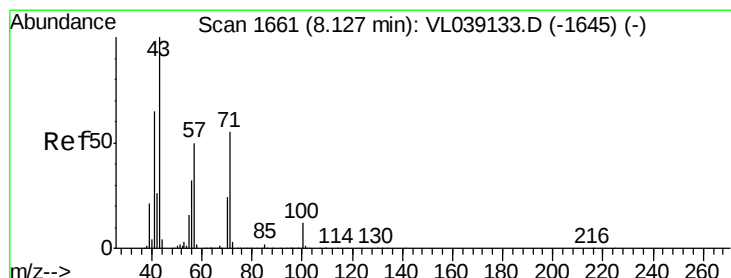
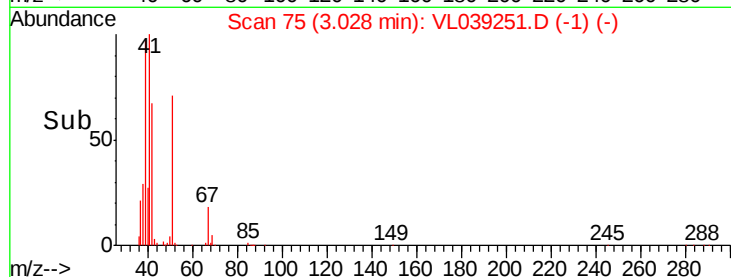
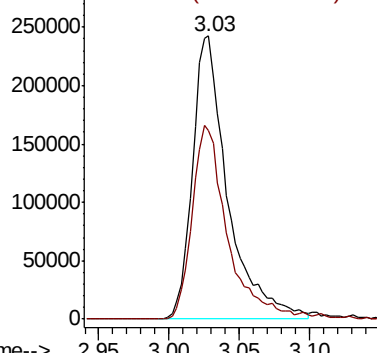
41 100

42 70.1 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.290 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.01 min

Lab File: VL039251.D

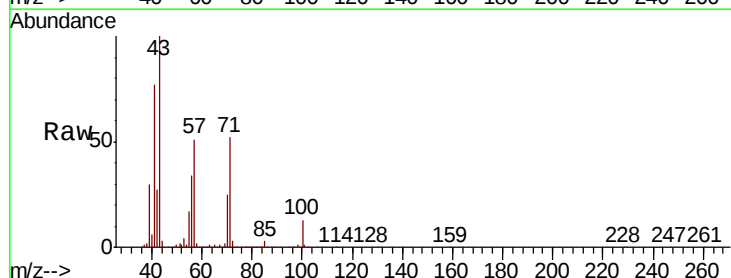
Acq: 9 Jun 2022 1:45

Tgt Ion: 43 Resp: 1121721

Ion Ratio Lower Upper

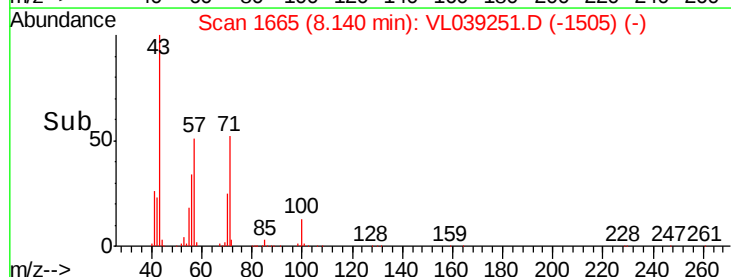
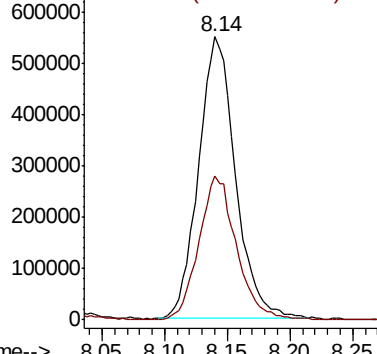
43 100

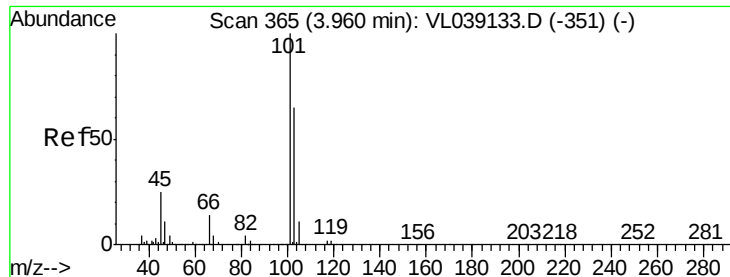
57 51.7 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

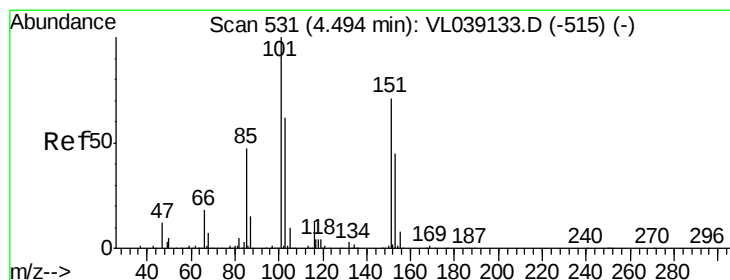
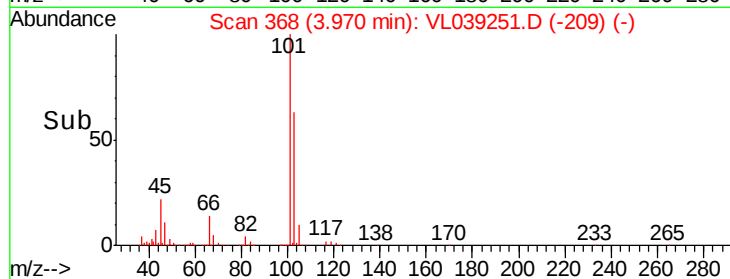
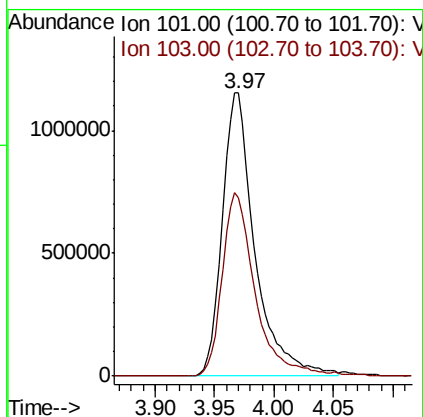
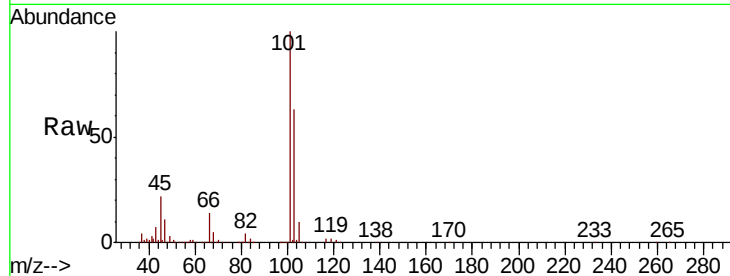
Ion 57.10 (56.80 to 57.80): VL0





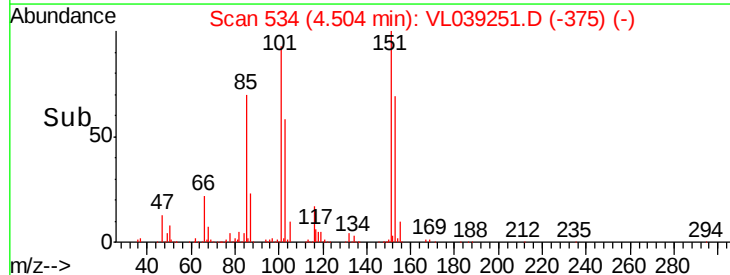
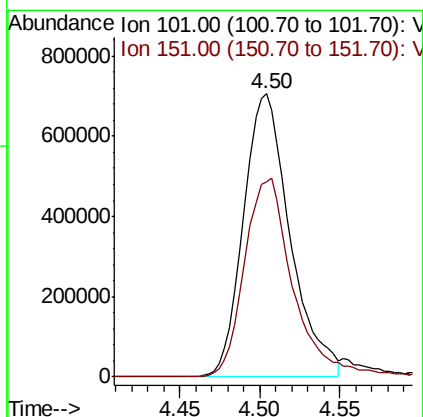
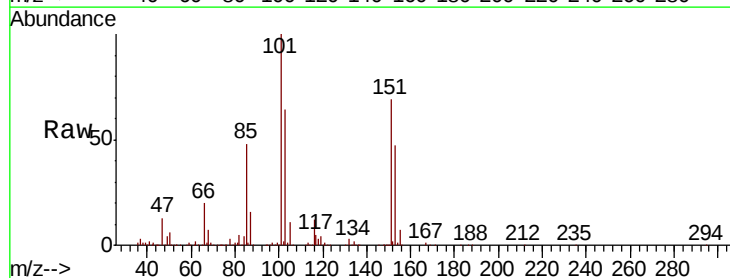
#11
 Trichlorofluoromethane
 Concen: 14.759 ppbv
 RT: 3.97
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 9 Jun 2022 1:45

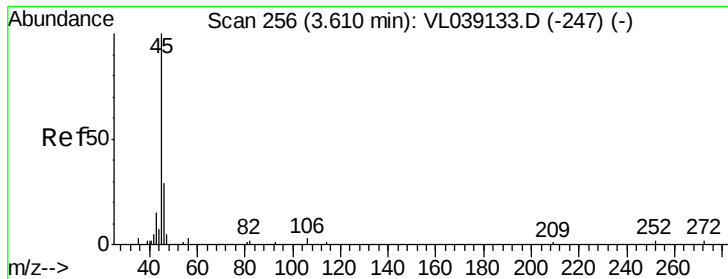
Tot Ion:101 Resp: 2189063
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 14.377 ppbv
 RT: 4.50 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

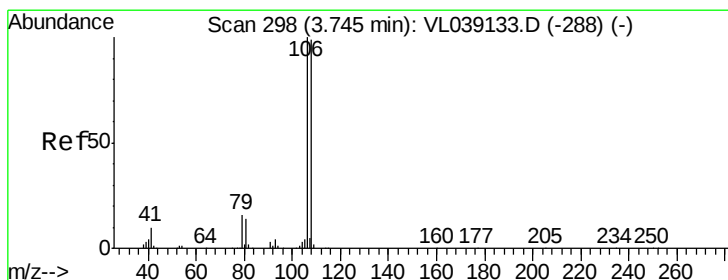
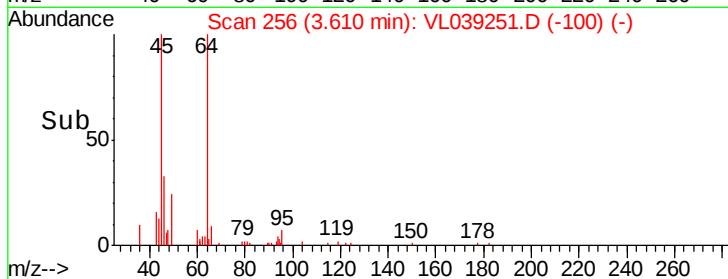
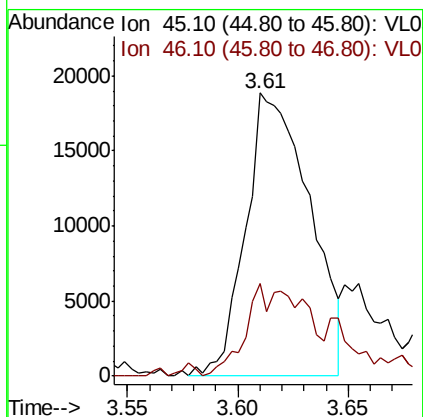
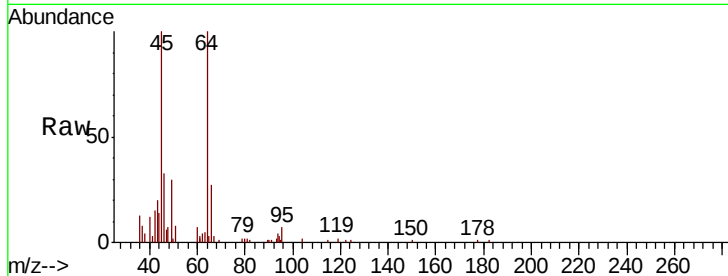
Tgt Ion:101 Resp: 1410242
 Ion Ratio Lower Upper
 101 100
 151 74.4 59.4 89.0





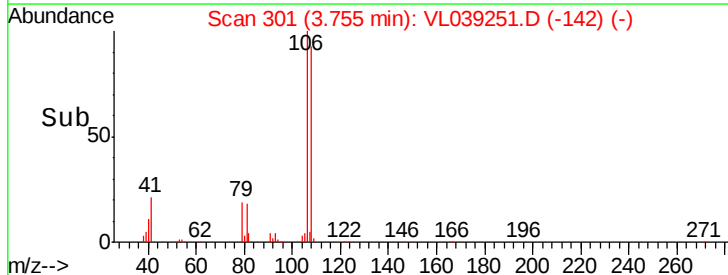
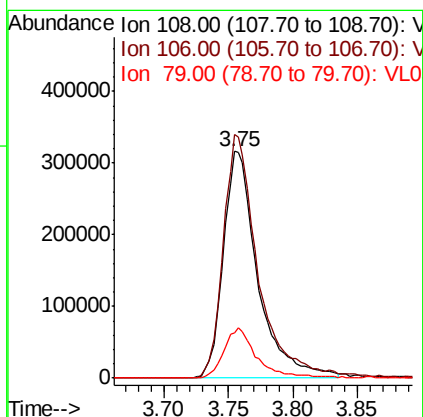
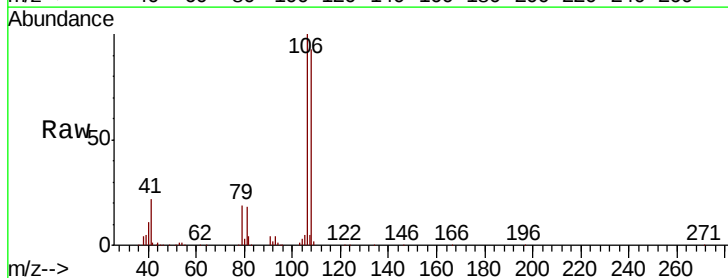
#13
Ethanol
Concen: 13.468 ppbv
RT: 3.61
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Jun 2022 1:45
VSTDCCC010EC

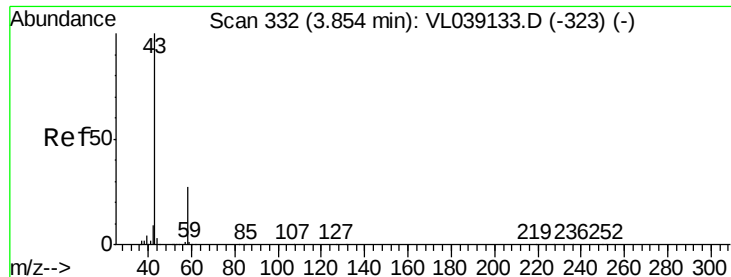
Tot Ion: 45 Resp: 38014
Ion Ratio Lower Upper
45 100
46 43.0 0.0 0.0#



#14
Bromoethene
Concen: 13.323 ppbv
RT: 3.75 min Scan# 301
Delta R.T.: 0.01 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

Tgt Ion: 108 Resp: 587472
Ion Ratio Lower Upper
108 100
106 109.7 88.4 132.6
79 21.5 13.4 20.2#





#15

Acetone

Concen: 15.073 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

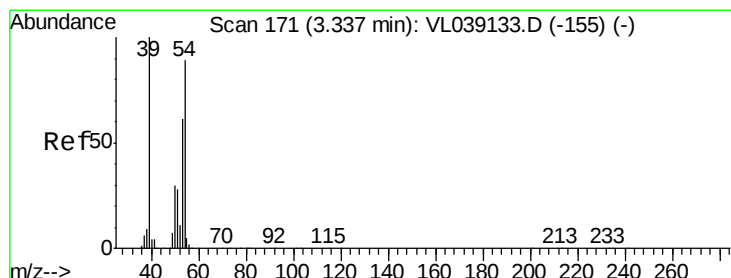
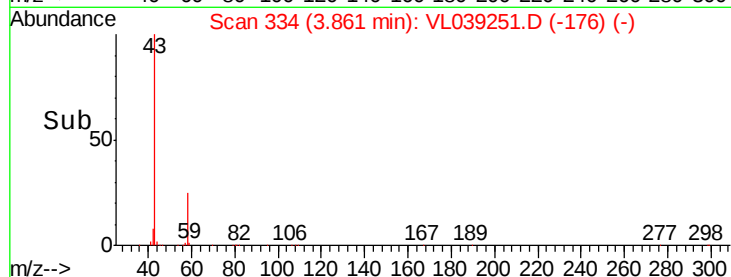
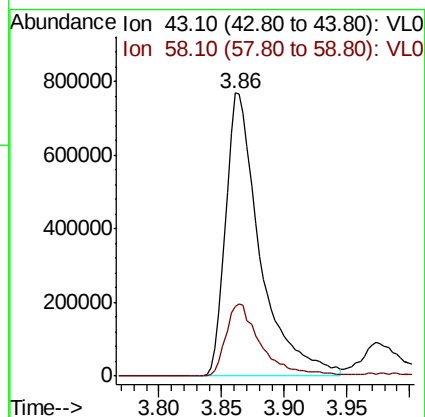
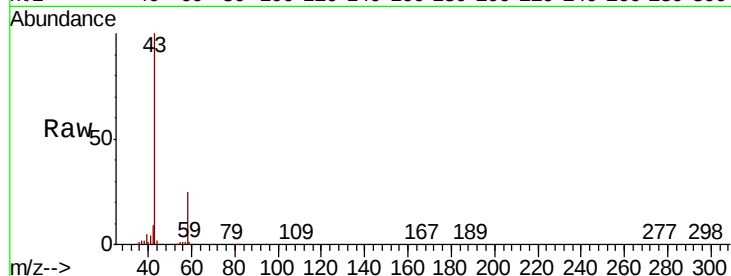
Acq: 9 Jun 2022 1:45 VSTDCCC010EC

Tot Ion: 43 Resp: 1464791

Ion Ratio Lower Upper

43 100

58 26.3 22.5 33.7



#16

1,3-Butadiene

Concen: 12.105 ppbv

RT: 3.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VL039251.D

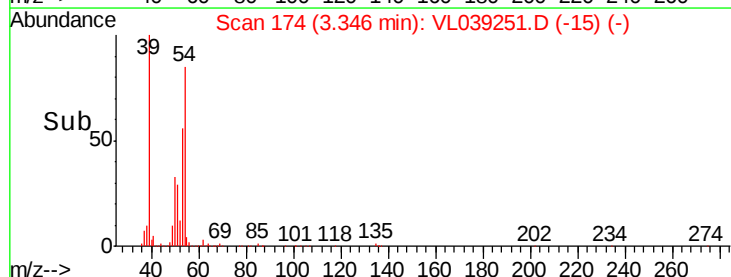
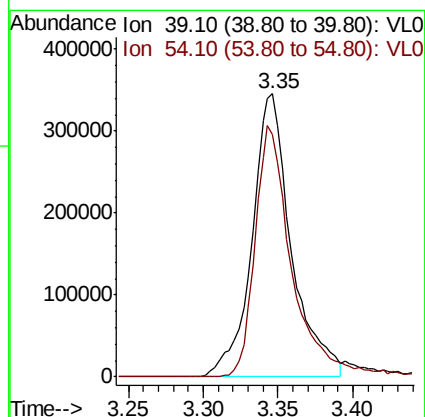
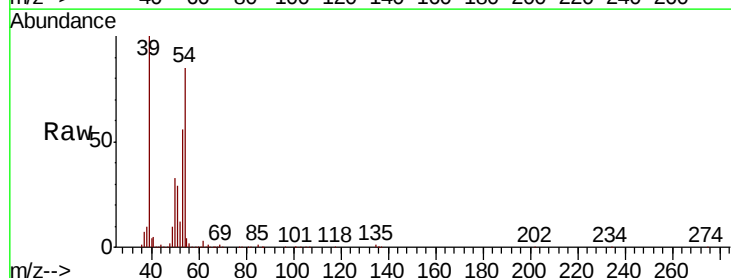
Acq: 9 Jun 2022 1:45

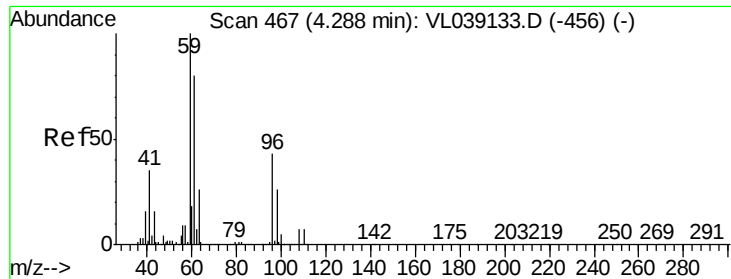
Tgt Ion: 39 Resp: 632373

Ion Ratio Lower Upper

39 100

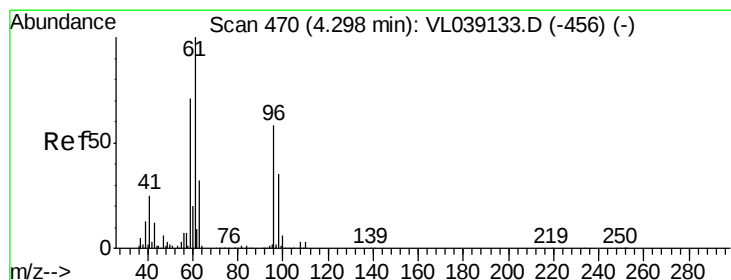
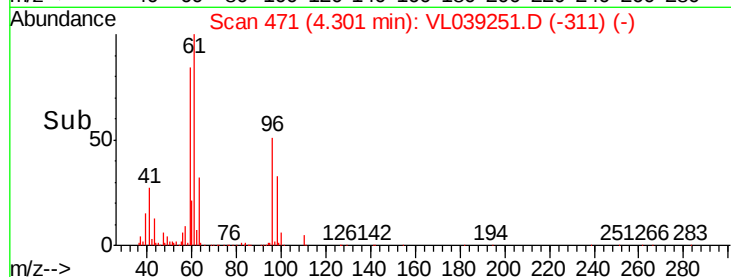
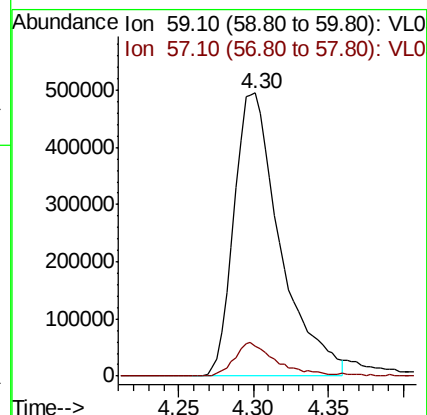
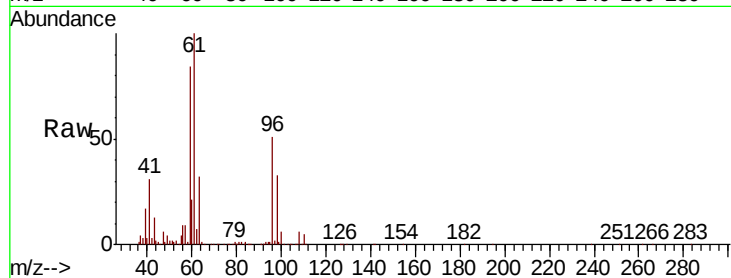
54 84.3 65.8 98.6





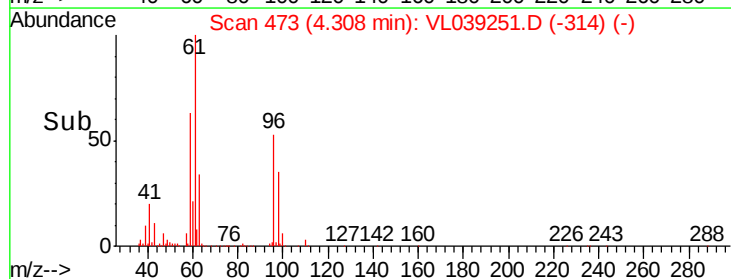
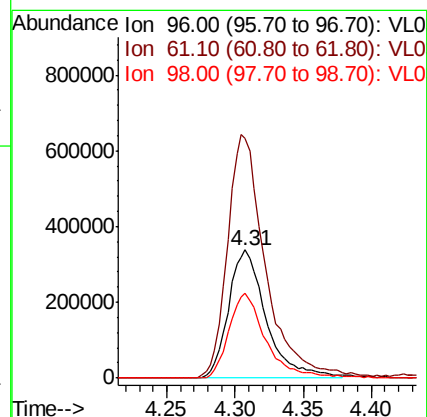
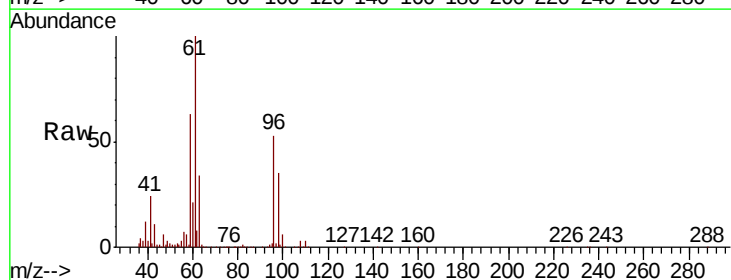
#17
 tert-Butyl alcohol
 Concen: 14.116 ppbv
 RT: 4.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 9 Jun 2022 1:45

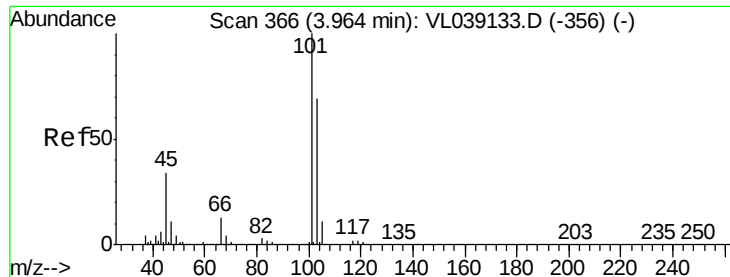
Tot Ion: 59 Resp: 1064010
 Ion Ratio Lower Upper
 59 100
 57 11.3 9.1 13.7



#18
 1,1-Dichloroethene
 Concen: 14.757 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T.: 0.01 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

Tgt Ion: 96 Resp: 649334
 Ion Ratio Lower Upper
 96 100
 61 186.6 138.4 207.6
 98 66.3 47.8 71.8





#19

Isopropyl Alcohol

Concen: 13.031 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

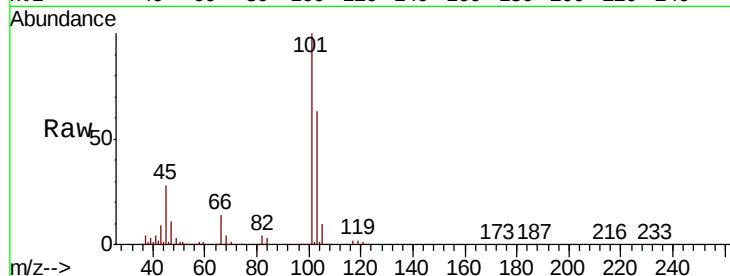
Acq: 9 Jun 2022 1:45 VSTDCCC010EC

Tot Ion: 45 Resp: 593944

Ion Ratio Lower Upper

45 100

58 4.1 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

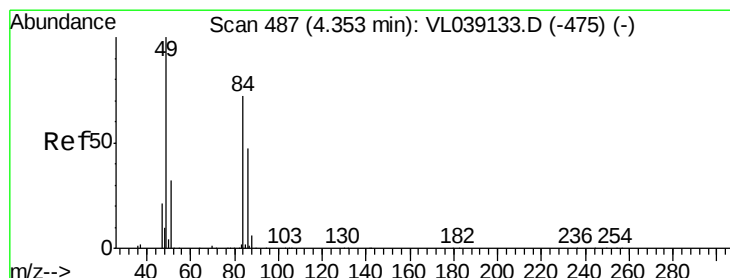
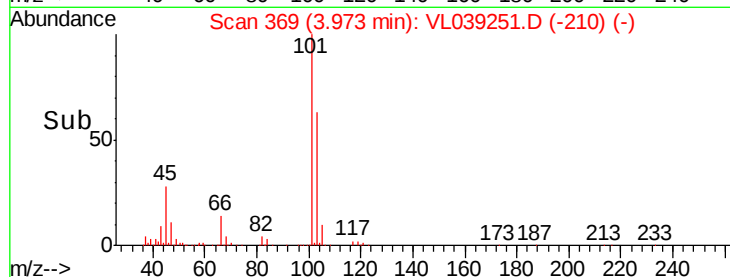
300000

200000

100000

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 13.011 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.01 min

Lab File: VL039251.D

Acq: 9 Jun 2022 1:45

Tgt Ion: 84 Resp: 532834

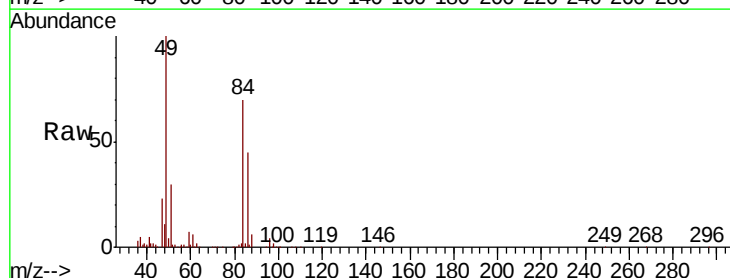
Ion Ratio Lower Upper

84 100

49 140.8 111.1 166.7

51 41.7 35.3 52.9

86 65.0 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

600000

500000

400000

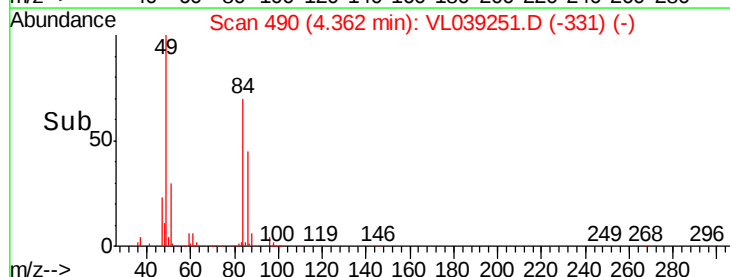
300000

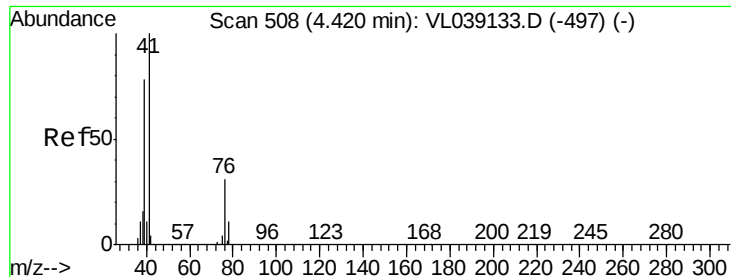
200000

100000

0

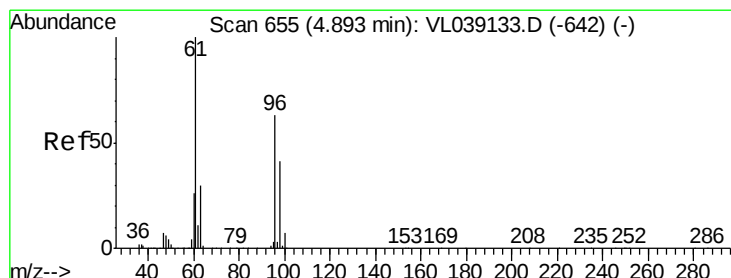
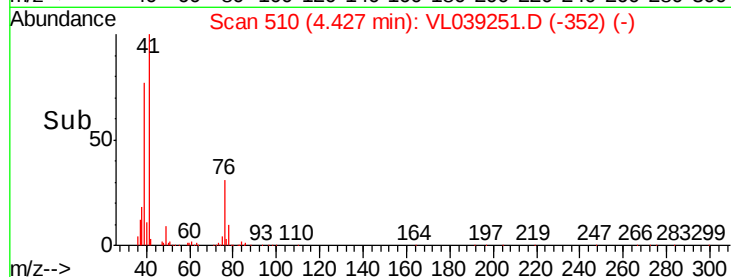
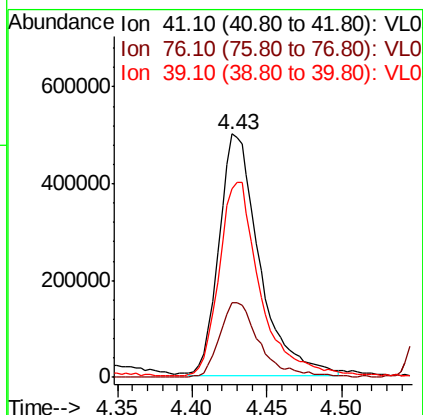
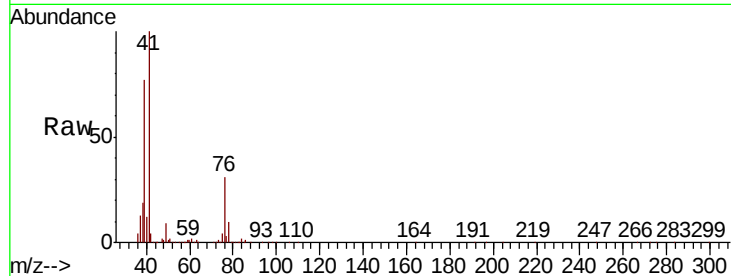
Time--> 4.30 4.35 4.40 4.45





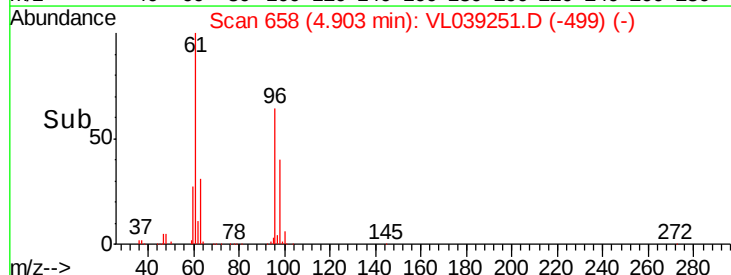
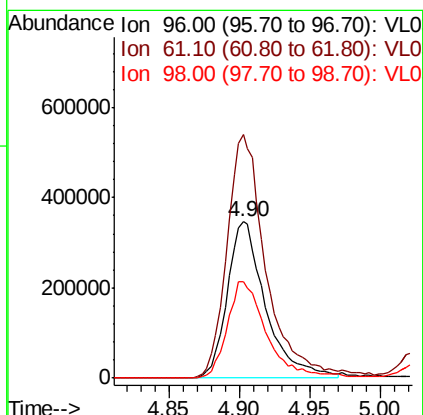
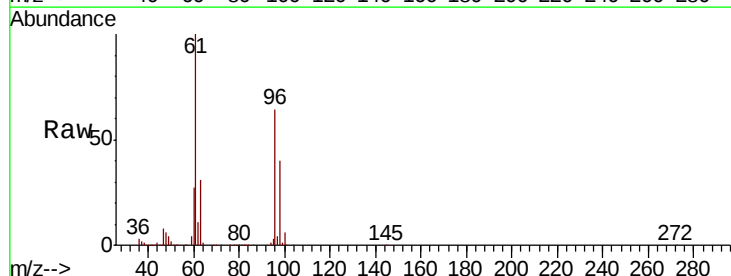
#21
Allvl Chloride
Concen: 14.414 ppbv
RT: 4.43
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Jun 2022 1:45

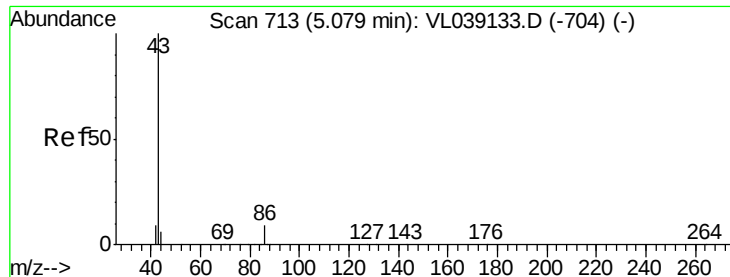
Tot Ion: 41 Resp: 944886
Ion Ratio Lower Upper
41 100
76 31.1 24.2 36.2
39 81.6 62.2 93.2



#22
trans-1,2-Dichloroethene
Concen: 15.624 ppbv
RT: 4.90 min Scan# 658
Delta R.T. 0.01 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

Tgt Ion: 96 Resp: 661455
Ion Ratio Lower Upper
96 100
61 155.6 126.6 190.0
98 61.9 52.5 78.7

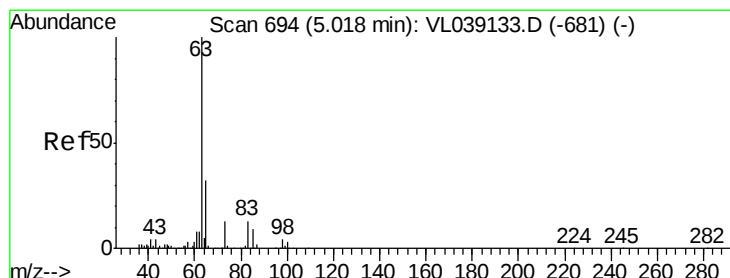
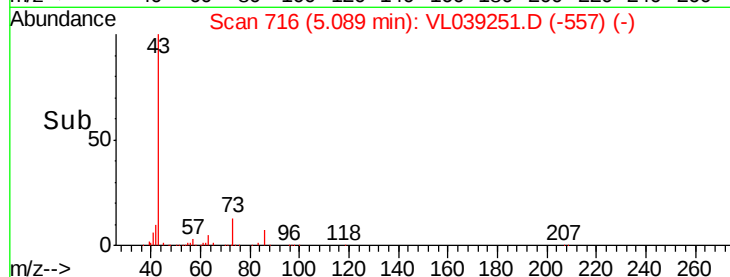
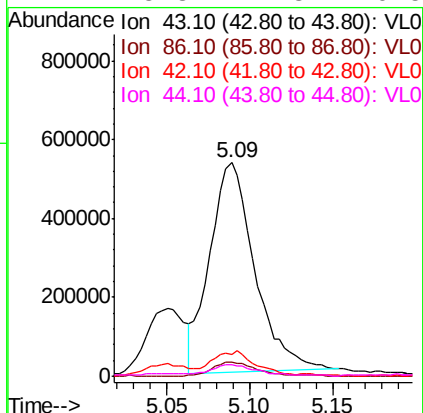
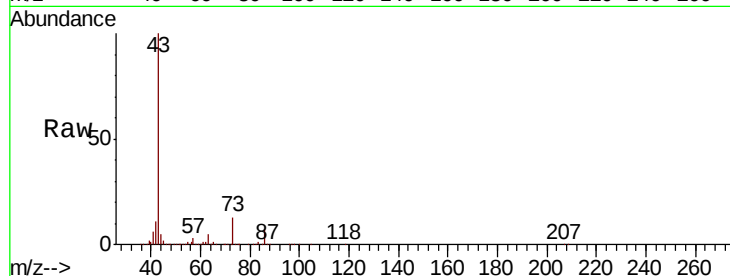




#23
 Vinyl Acetate
 Concen: 12.527 ppbv
 RT: 5.09
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 9 Jun 2022 1:45

Tot Ion: 43 Resp: 1007200

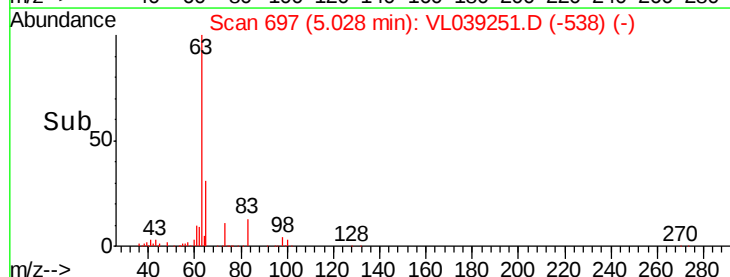
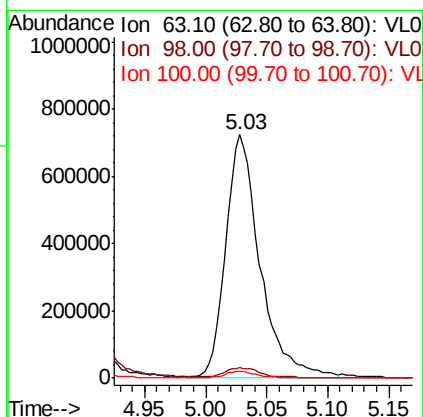
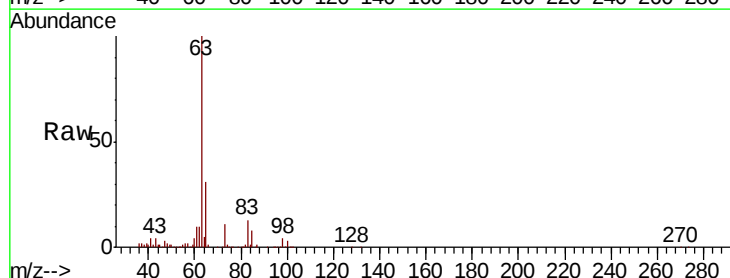
Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.0	9.0
42	10.4	8.2	12.4
44	5.3	4.3	6.5

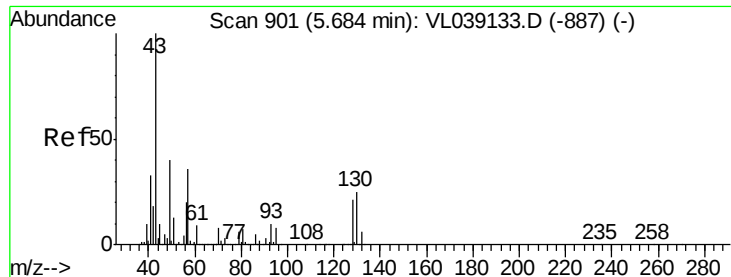


#24
 1,1-Dichloroethane
 Concen: 12.787 ppbv
 RT: 5.03 min Scan# 697
 Delta R.T.: 0.01 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

Tgt Ion: 63 Resp: 1408673

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.9	1.5	4.5

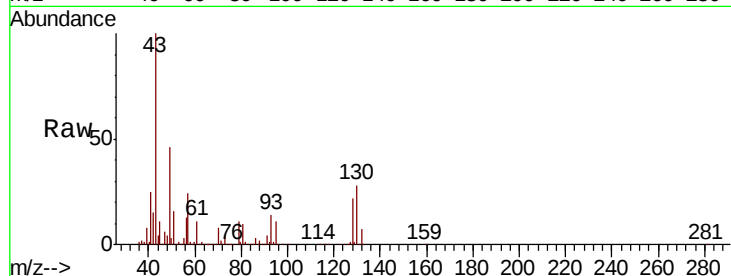




#25
Ethyl Acetate
Concen: 10.247 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Jun 2022 1:45
VSTDCCC010EC

Tot Ion: 43 Resp: 2244399

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.2
61	10.0	8.4	12.6
70	6.6	5.6	8.4



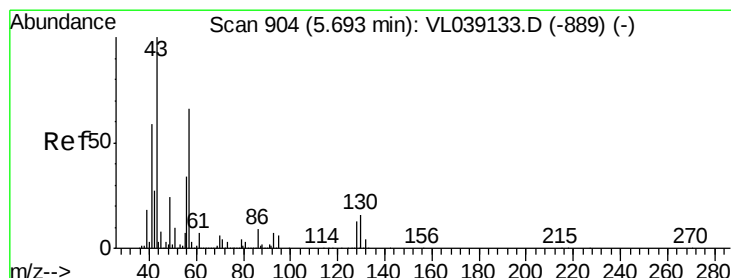
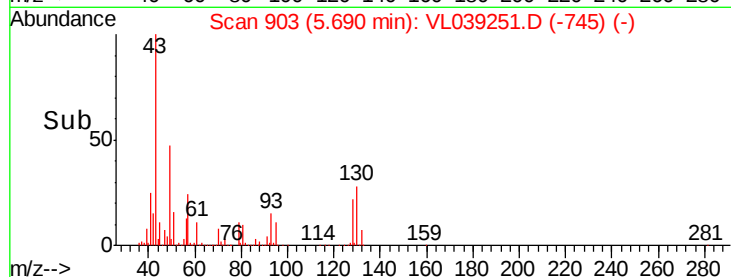
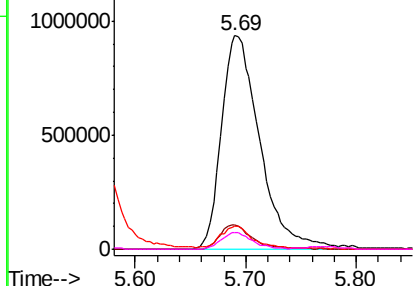
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

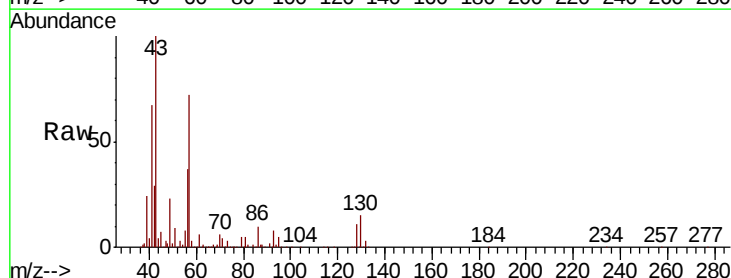
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.535 ppbv
RT: 5.71 min Scan# 908
Delta R.T.: 0.01 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

Tgt Ion: 57 Resp: 917794

Ion	Ratio	Lower	Upper
57	100		
41	102.6	72.4	108.6
43	247.8	187.0	280.6
56	54.4	41.8	62.6



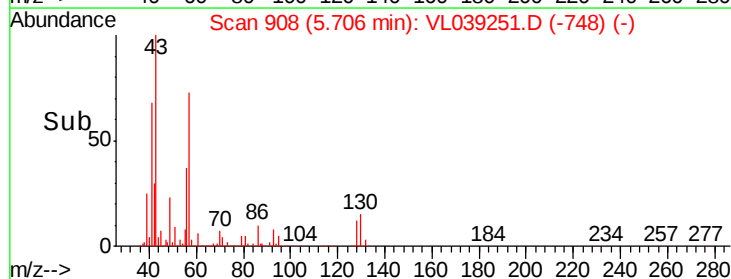
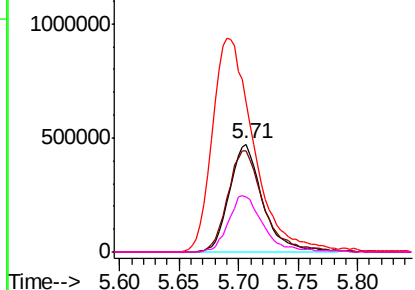
Abundance

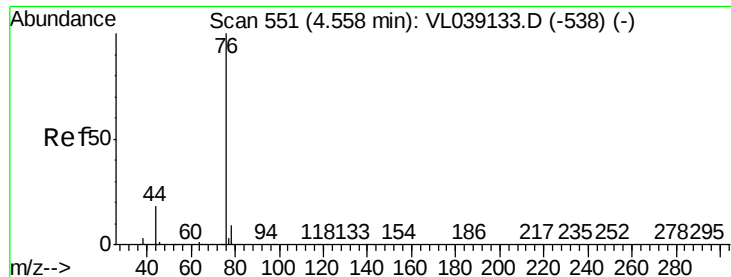
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 15.496 ppbv

RT: 4.57 Instrument: MSVOA_1

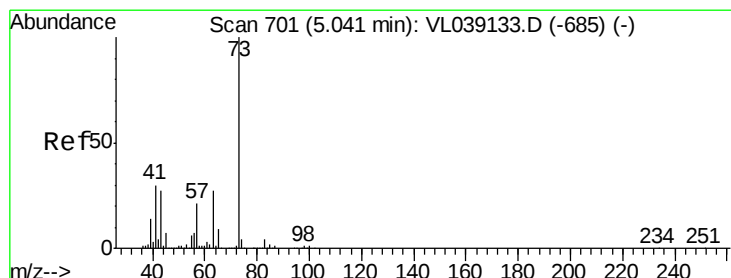
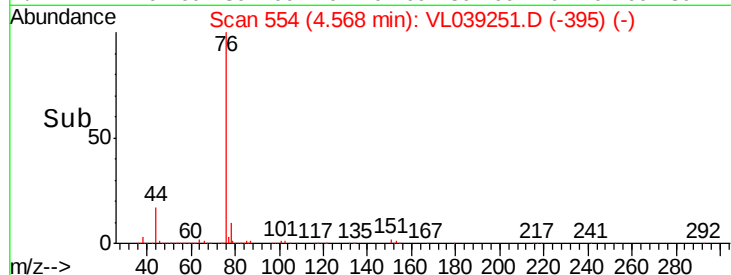
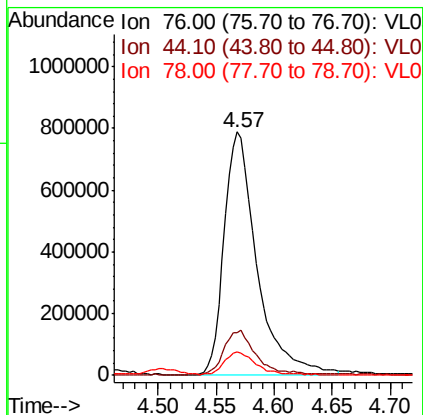
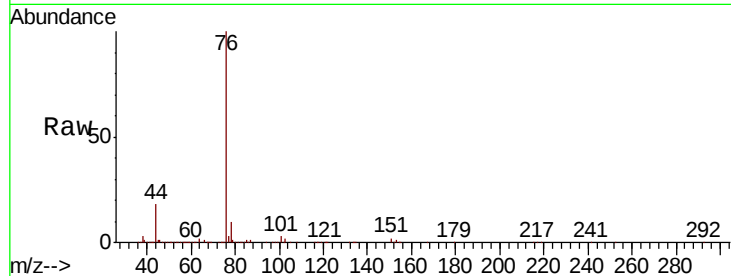
Delta R.T.

Lab File: ClientSampleId:

Acq: 9 Jun 2022 1:45 VSTDCCC010EC

Tot Ion: 76 Resp: 1545875

Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.4	21.6
78	10.1	7.7	11.5



#28

Methyl tert-Butyl Ether

Concen: 11.892 ppbv

RT: 5.05 min Scan# 704

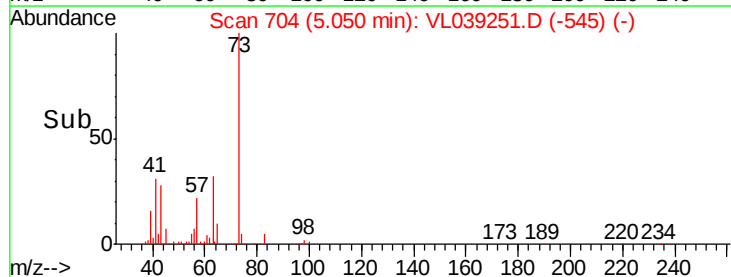
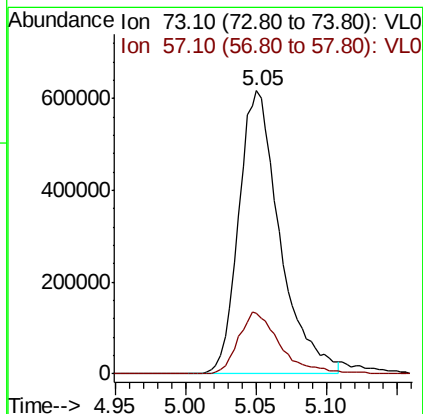
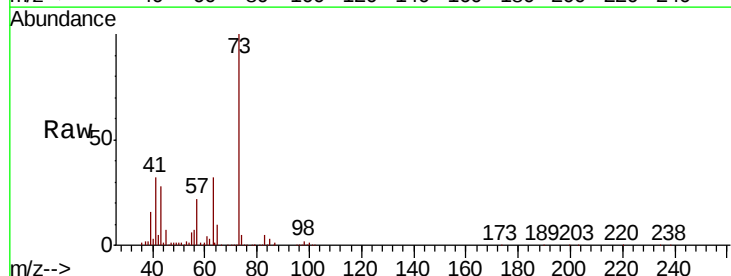
Delta R.T. 0.01 min

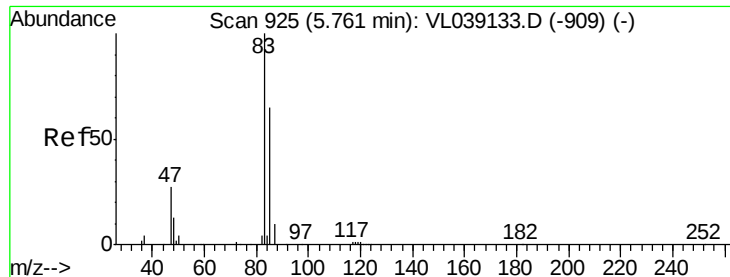
Lab File: VL039251.D

Acq: 9 Jun 2022 1:45

Tgt Ion: 73 Resp: 1263619

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.6	27.8





#29

Chloroform

Concen: 10.953 ppbv

RT: 5.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

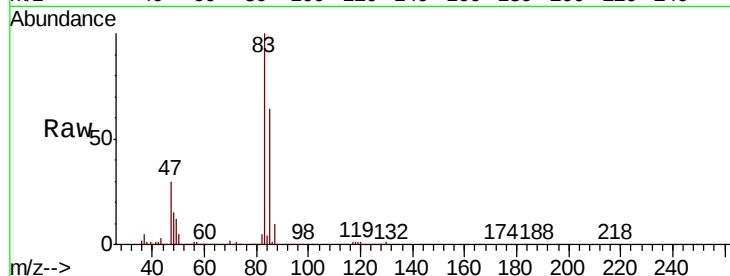
Acq: 9 Jun 2022 1:45 VSTDCCC010EC

Tot Ion: 83 Resp: 1773927

Ion Ratio Lower Upper

83 100

85 63.8 52.4 78.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

800000

600000

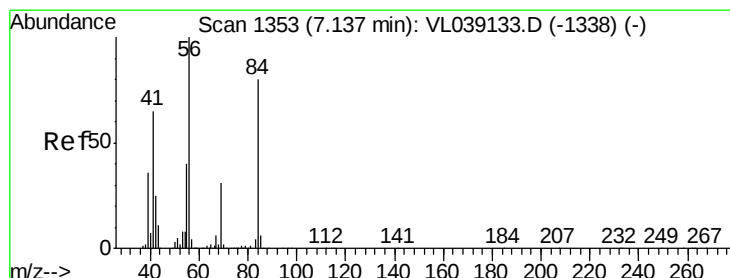
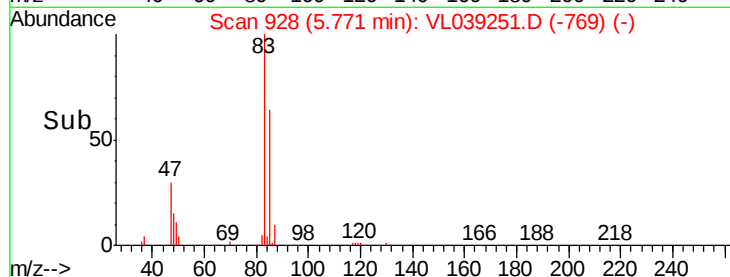
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#30

Cyclohexane

Concen: 8.659 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.01 min

Lab File: VL039251.D

Acq: 9 Jun 2022 1:45

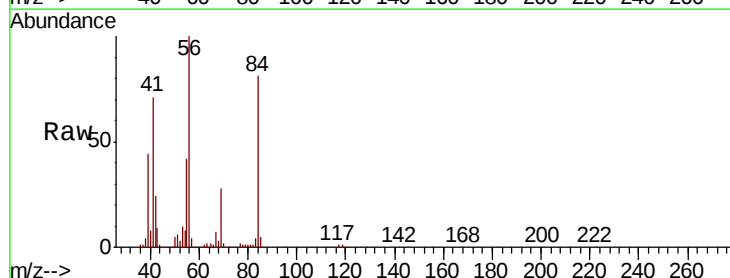
Tgt Ion: 84 Resp: 700181

Ion Ratio Lower Upper

84 100

56 142.0 110.6 165.8

41 96.8 68.9 103.3



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

500000

400000

300000

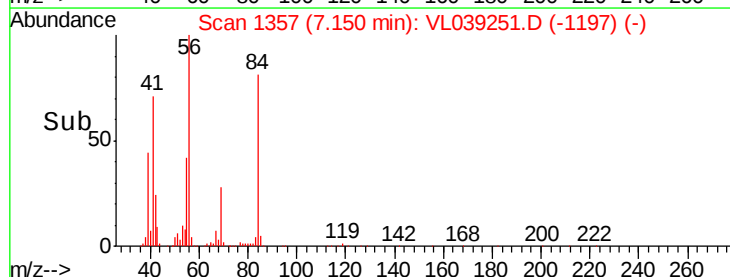
200000

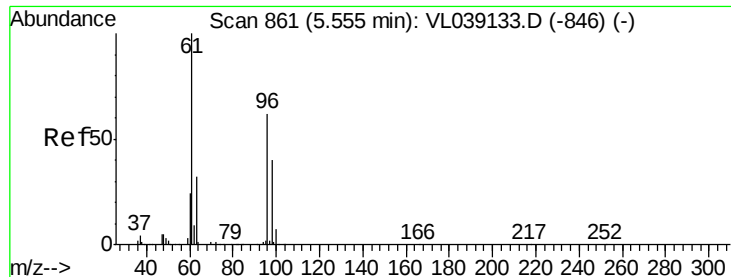
100000

0

7.10 7.15 7.20

Time-->





#31

cis-1,2-Dichloroethene

Concen: 10.353 ppbv

RT: 5.57 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 9 Jun 2022 1:45

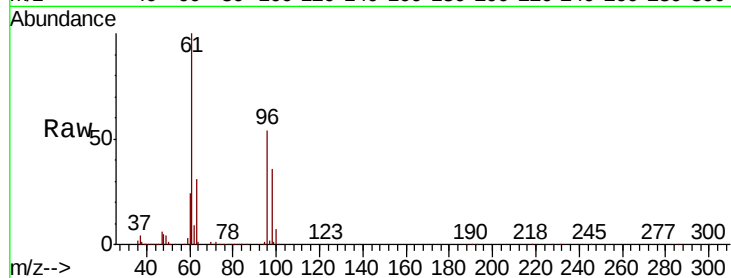
Tot Ion: 61 Resp: 1016018

Ion	Ratio	Lower	Upper
61	100		
96	54.2	49.9	74.9
98	36.2	32.0	48.0

61 100

96 54.2 49.9 74.9

98 36.2 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

600000

400000

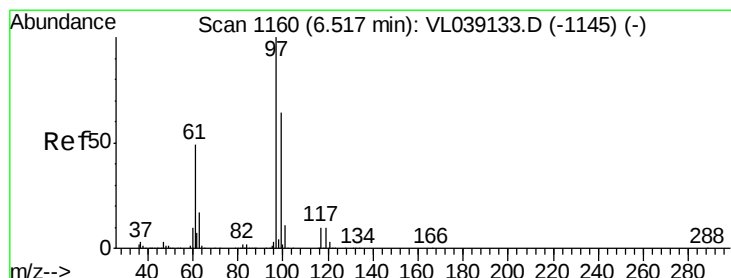
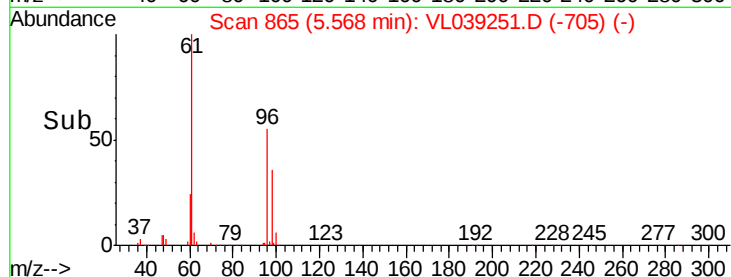
200000

0

5.57

5.50 5.55 5.60

Time-->



#32

1,1,1-Trichloroethane

Concen: 11.884 ppbv

RT: 6.53 min Scan# 1164

Delta R.T. 0.01 min

Lab File: VL039251.D

Acq: 9 Jun 2022 1:45

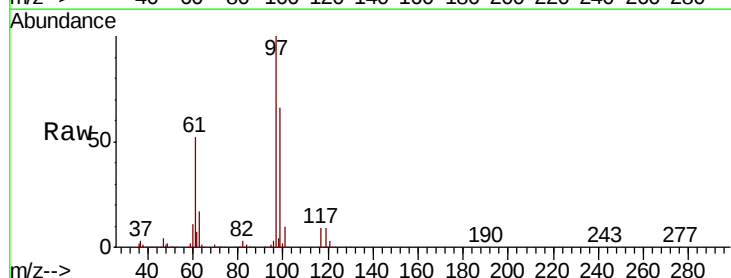
Tgt Ion: 97 Resp: 1883392

Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.1	78.1
61	52.8	40.0	60.0

97 100

99 65.0 52.1 78.1

61 52.8 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

1200000

1000000

800000

600000

400000

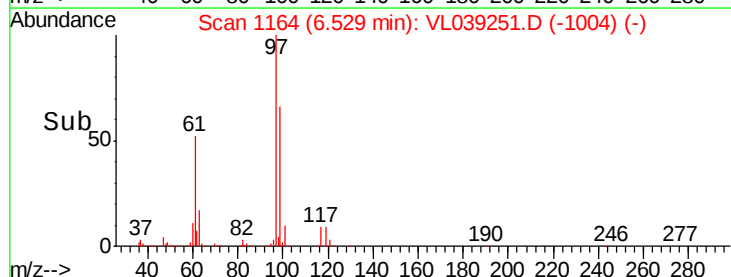
200000

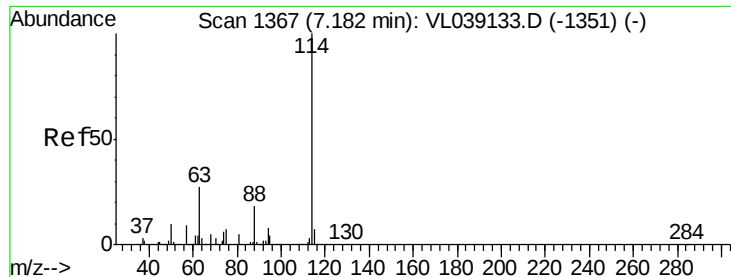
0

6.53

6.50 6.60

Time-->





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Jun 2022 1:45 VSTDCCC010EC

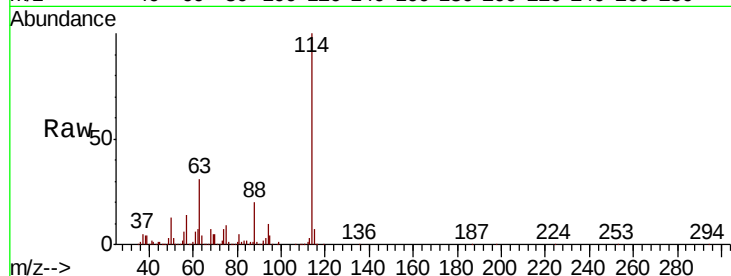
Tot Ion:114 Resp: 2057773

Ion Ratio Lower Upper

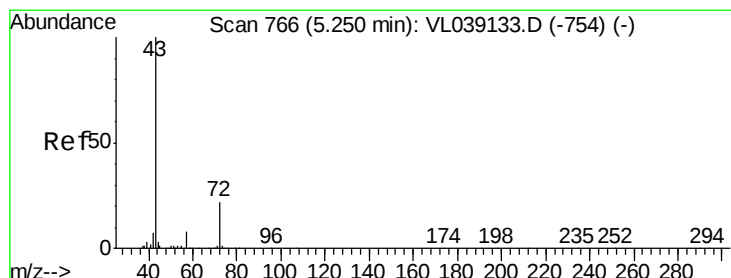
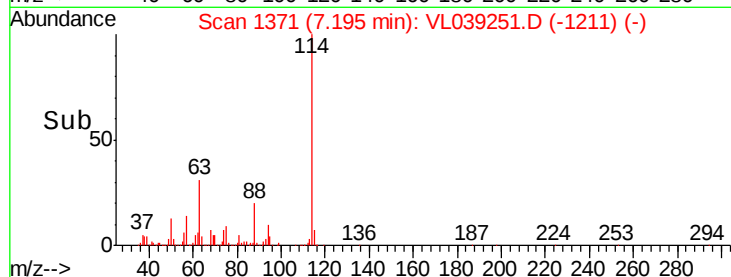
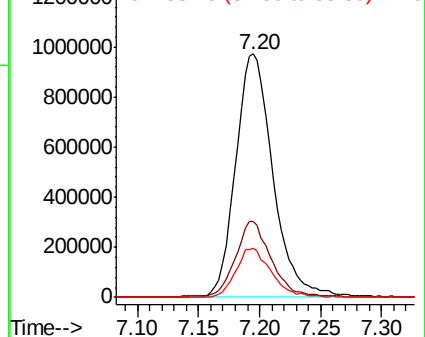
114 100

63 30.8 21.7 32.5

88 19.5 14.8 22.2



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



#34

2-Butanone

Concen: 12.476 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL039251.D

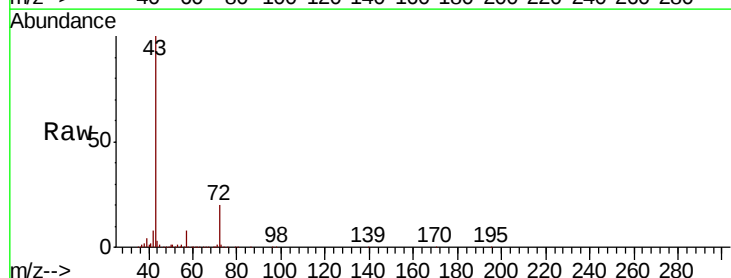
Acq: 9 Jun 2022 1:45

Tgt Ion: 43 Resp: 1394740

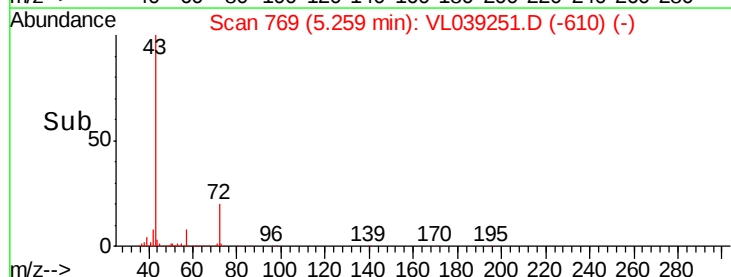
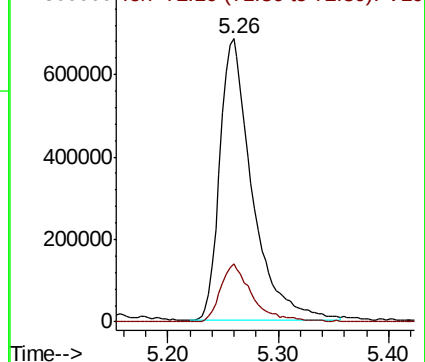
Ion Ratio Lower Upper

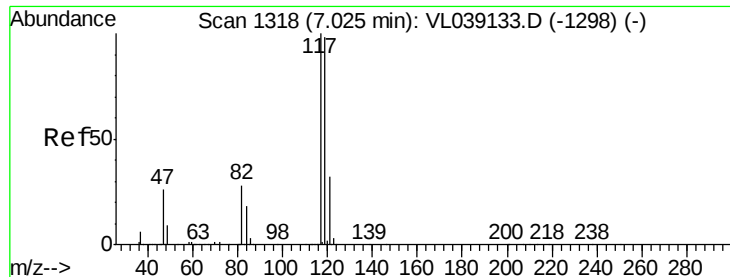
43 100

72 20.7 18.2 27.2



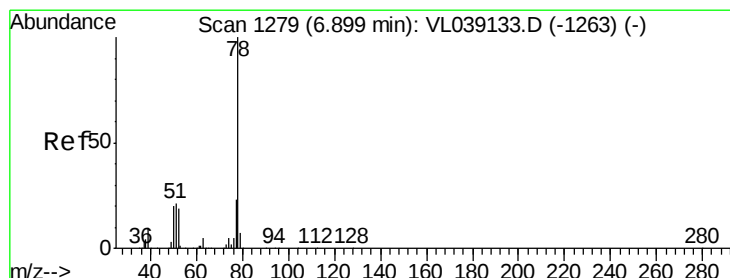
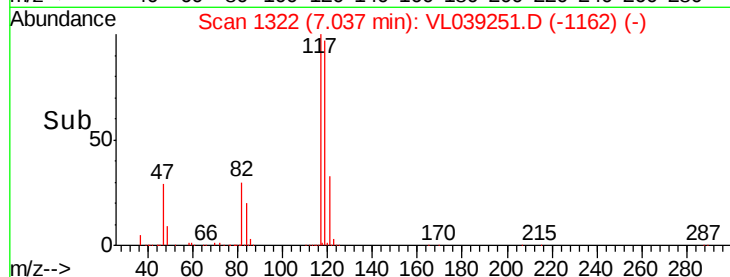
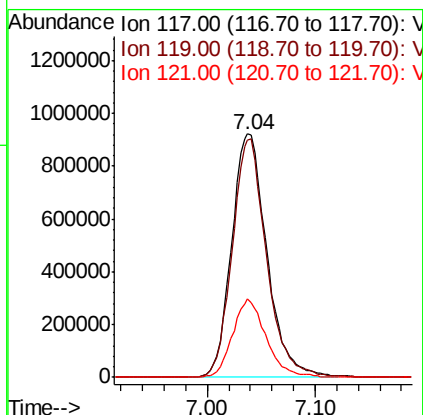
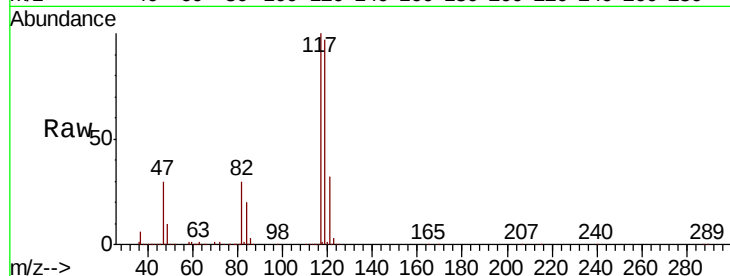
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





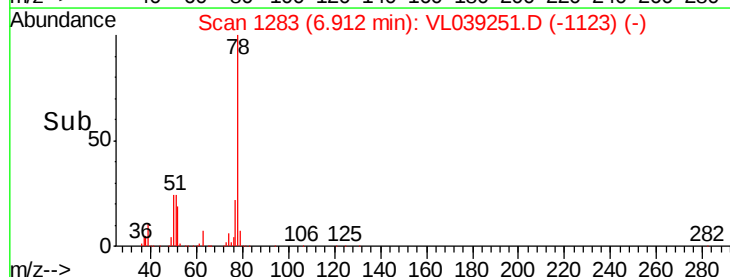
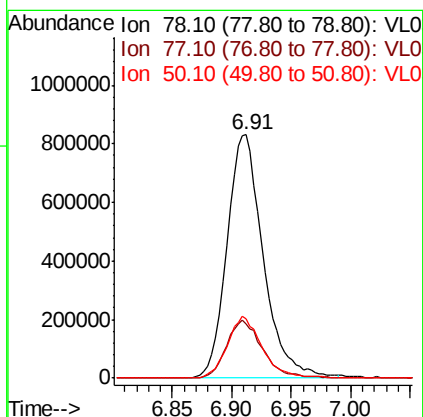
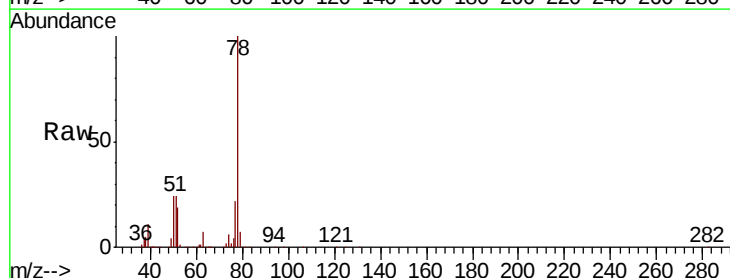
#35
Carbon Tetrachloride
Concen: 13.957 ppbv
RT: 7.04
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Jun 2022 1:45
VSTDCCC010EC

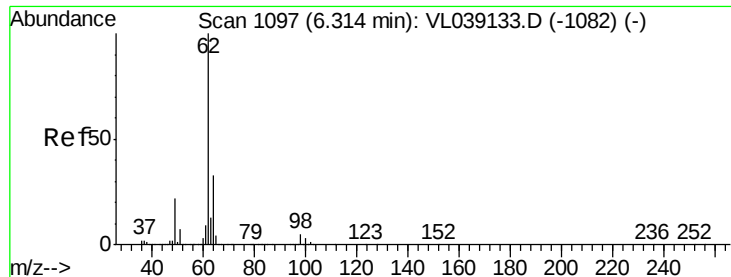
Tot Ion:117 Resp: 2096214
Ion Ratio Lower Upper
117 100
119 97.3 78.6 118.0
121 32.2 25.4 38.0



#36
Benzene
Concen: 10.482 ppbv
RT: 6.91 min Scan# 1283
Delta R.T.: 0.01 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

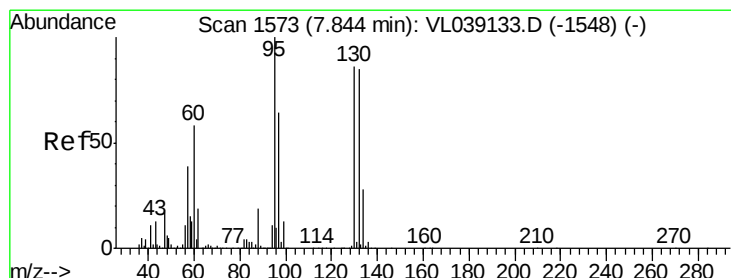
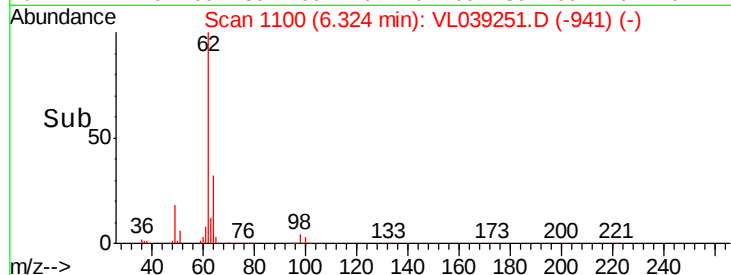
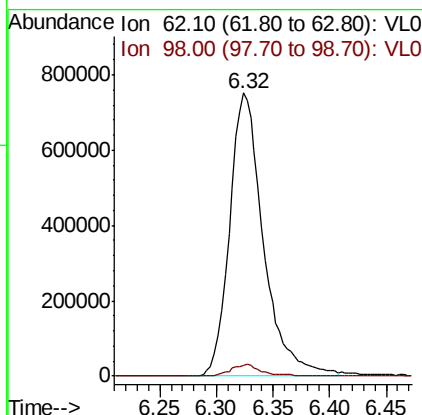
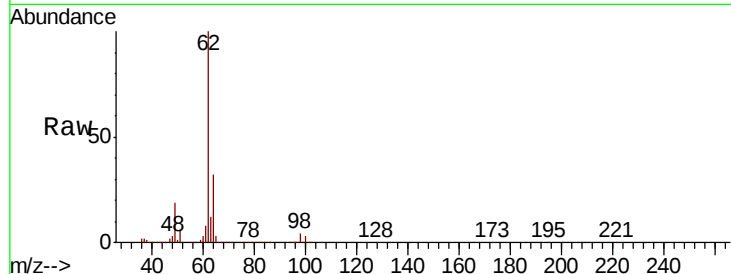
Tgt Ion: 78 Resp: 1751041
Ion Ratio Lower Upper
78 100
77 22.3 18.6 27.8
50 24.0 15.8 23.8#





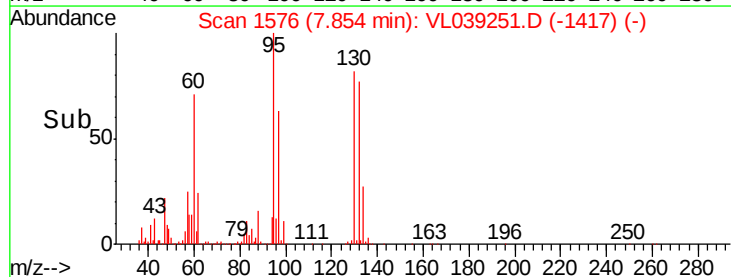
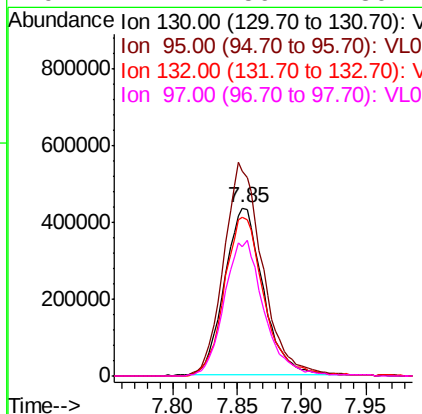
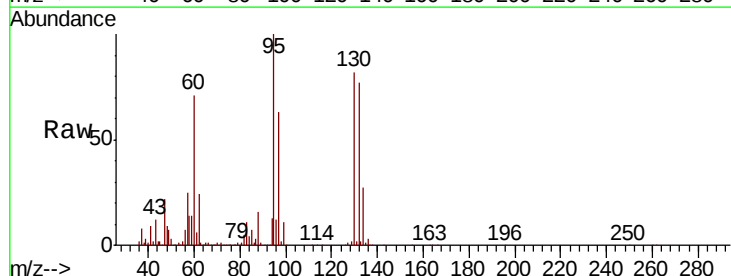
#37
 1,2-Dichloroethane
 Concen: 14.201 ppbv
 RT: 6.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Jun 2022 1:45

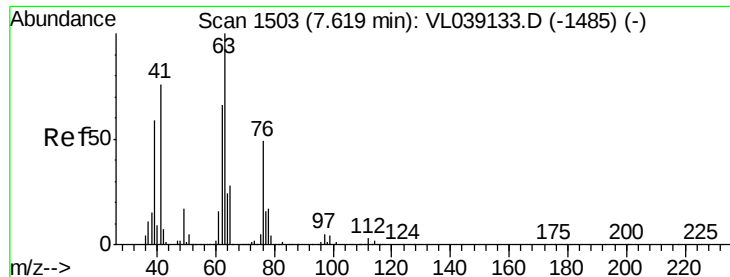
Tot Ion: 62 Resp: 1561319
 Ion Ratio Lower Upper
 62 100
 98 4.0 4.3 6.5#



#38
 Trichloroethene
 Concen: 11.751 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

Tgt Ion: 130 Resp: 901688
 Ion Ratio Lower Upper
 130 100
 95 122.2 93.3 139.9
 132 94.9 79.0 118.4
 97 77.2 59.4 89.2





#39

1,2-Dichloropropane

Concen: 10.085 ppbv

RT: 7.63 Instrument:

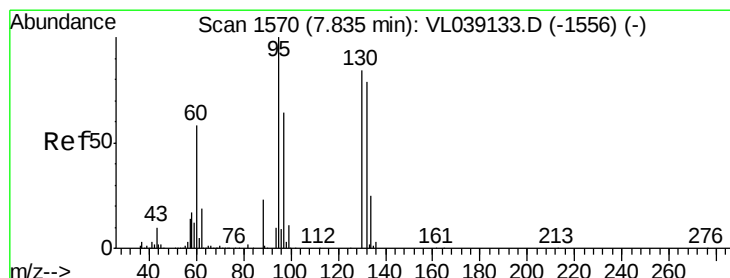
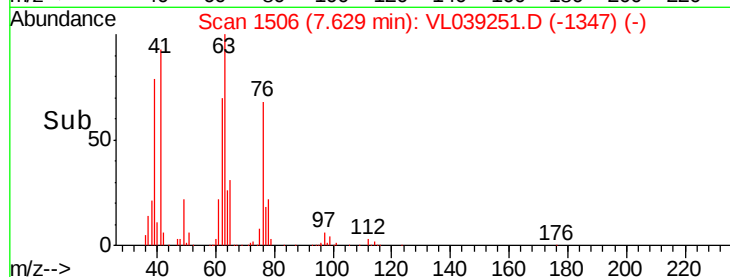
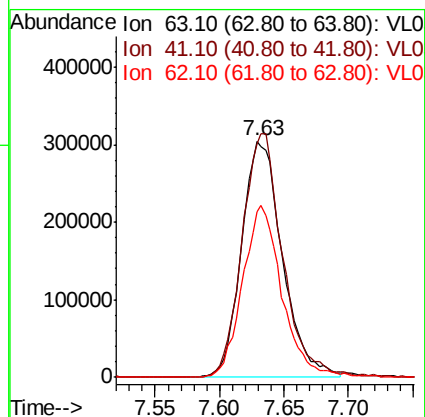
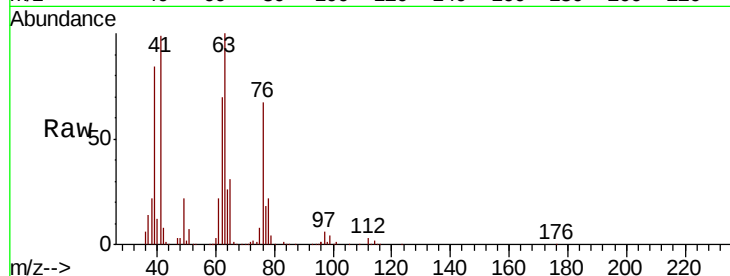
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Jun 2022 1:45 VSTDCCC010EC

Tot Ion: 63 Resp: 670136

Ion	Ratio	Lower	Upper
63	100		
41	98.6	60.8	91.2#
62	70.3	52.9	79.3



#40

1,4-Dioxane

Concen: 11.380 ppbv

RT: 7.85 min Scan# 1574

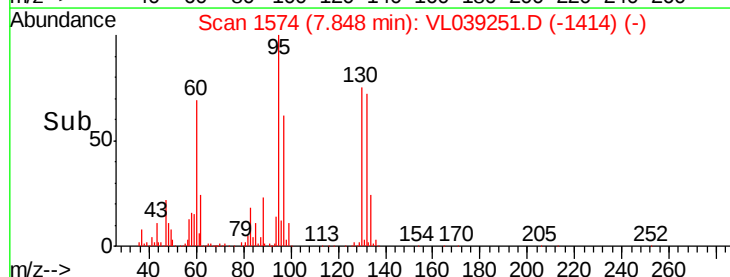
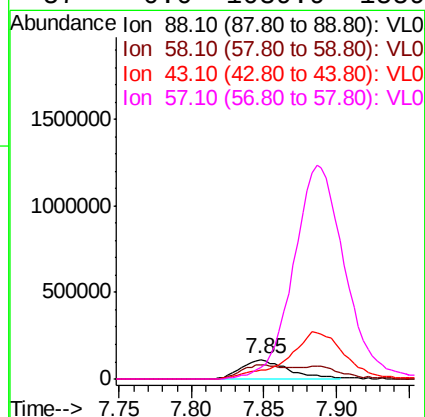
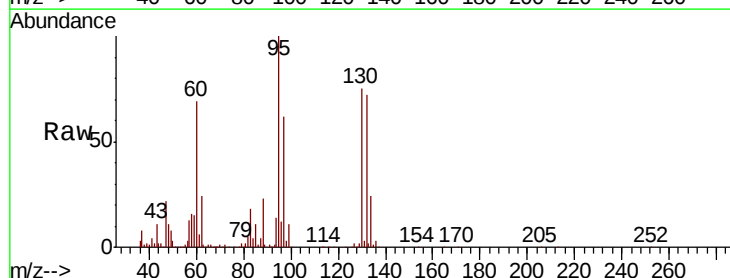
Delta R.T. 0.01 min

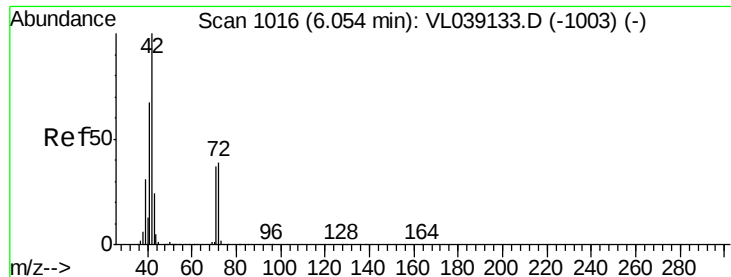
Lab File: VL039251.D

Acq: 9 Jun 2022 1:45

Tgt Ion: 88 Resp: 248951

Ion	Ratio	Lower	Upper
88	100		
58	135.9	111.2	166.8
43	0.0	234.2	351.4#
57	0.0	1039.9	1559.9#





#41

Tetrahydrofuran

Concen: 10.313 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Jun 2022 1:45 VSTDCCC010EC

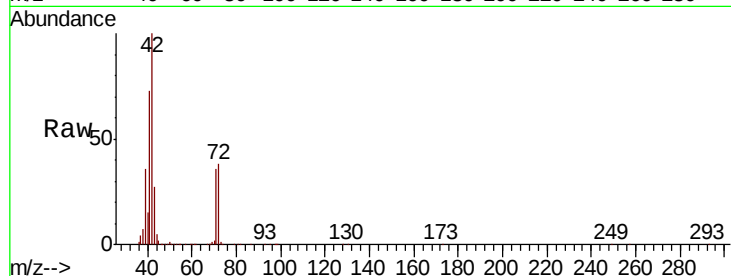
Tot Ion: 42 Resp: 693389

Ion Ratio Lower Upper

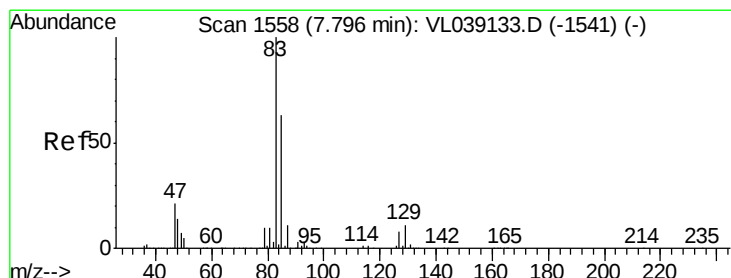
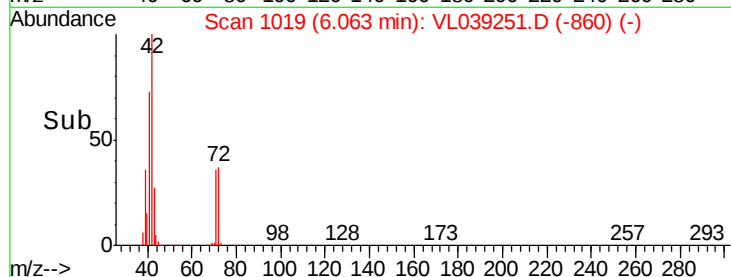
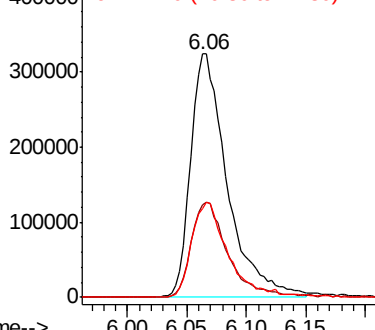
42 100

72 39.9 32.0 48.0

71 39.5 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: 13.165 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. 0.02 min

Lab File: VL039251.D

Acq: 9 Jun 2022 1:45

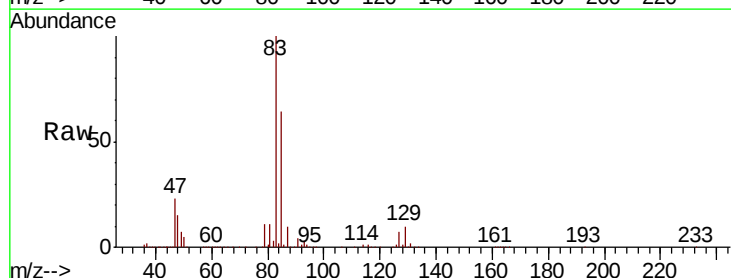
Tgt Ion: 83 Resp: 2008806

Ion Ratio Lower Upper

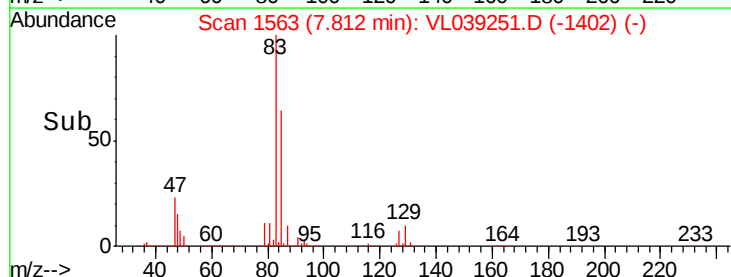
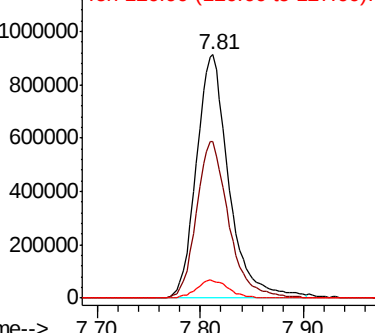
83 100

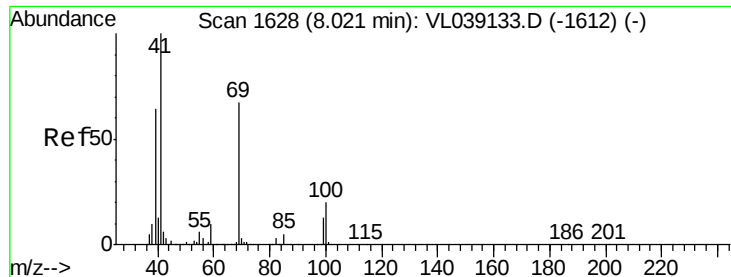
85 64.4 50.2 75.4

127 7.2 6.6 9.8



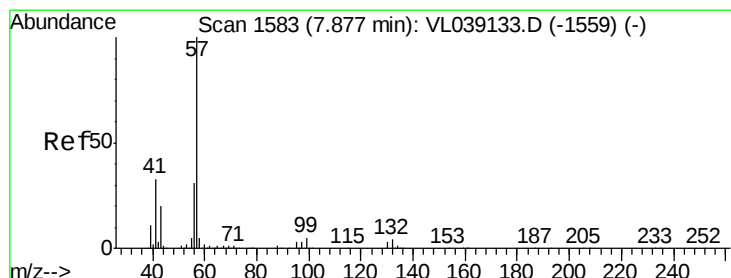
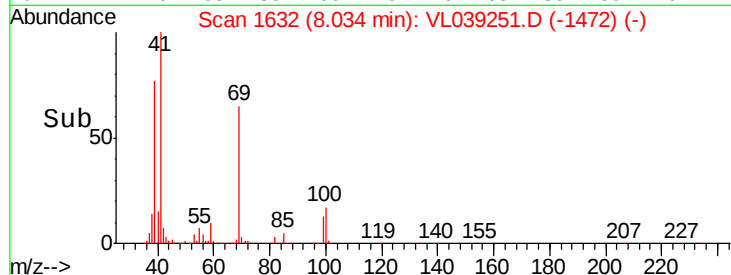
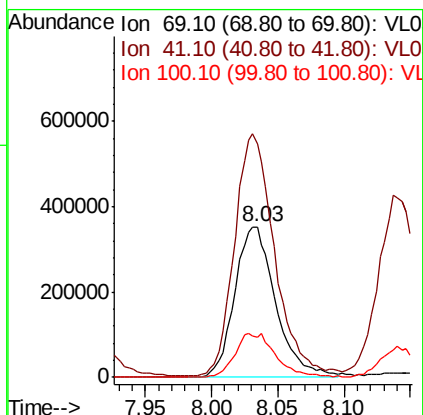
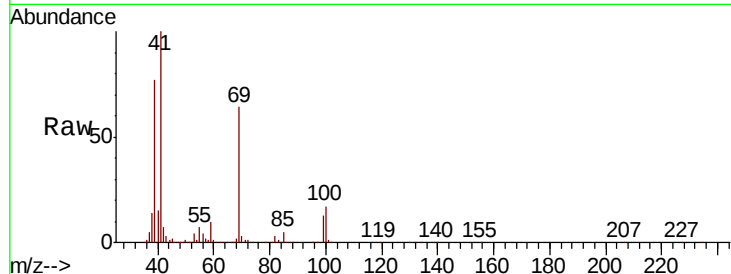
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





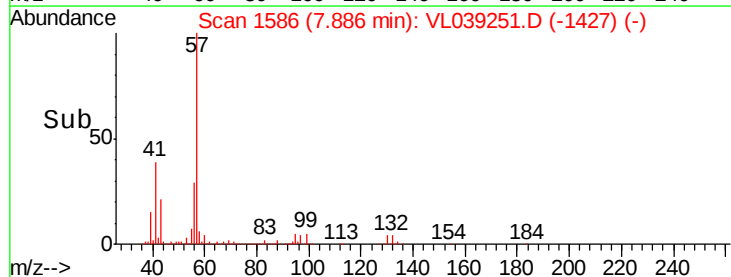
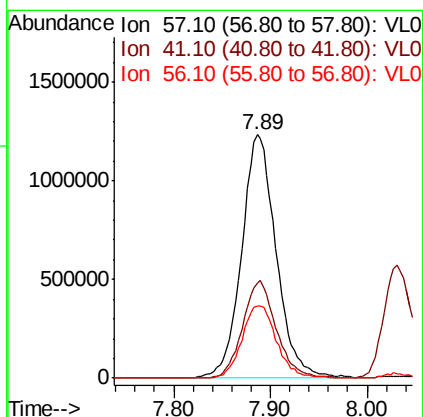
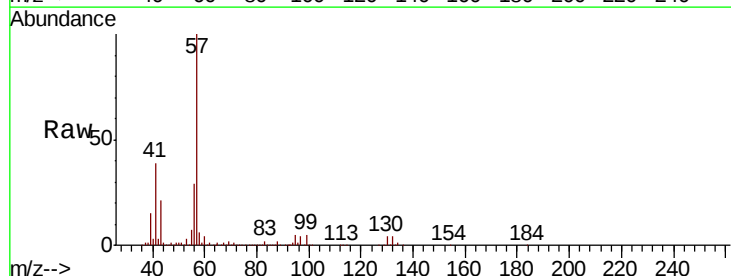
#43
Methyl Methacrylate
Concen: 11.600 ppbv
RT: 8.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 9 Jun 2022 1:45

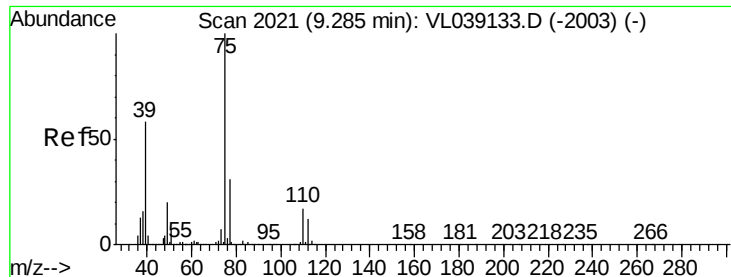
Tot Ion: 69 Resp: 754871
Ion Ratio Lower Upper
69 100
41 160.0 121.9 182.9
100 29.0 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 10.427 ppbv
RT: 7.89 min Scan# 1586
Delta R.T.: 0.01 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

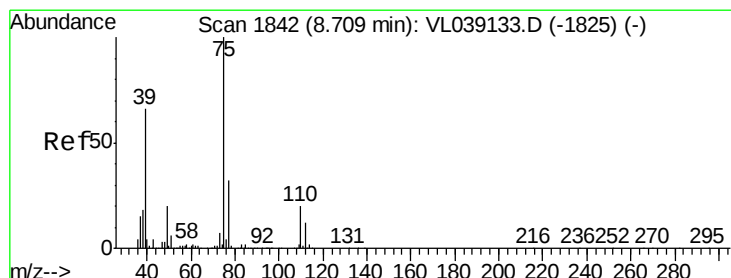
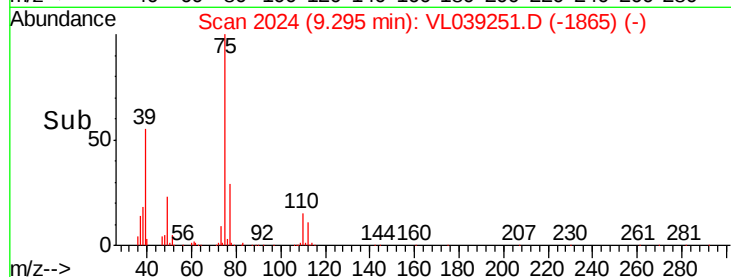
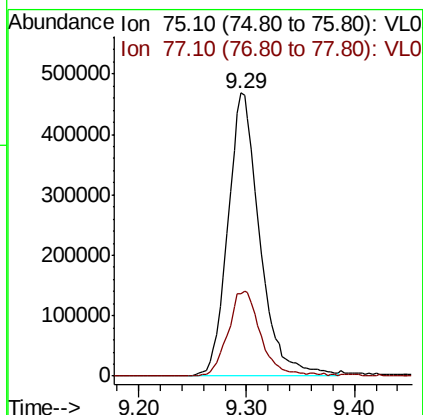
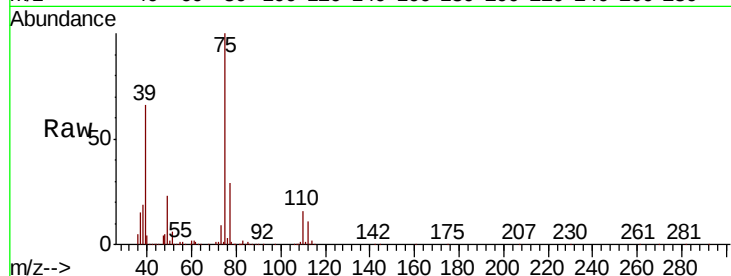
Tgt Ion: 57 Resp: 3047194
Ion Ratio Lower Upper
57 100
41 39.1 26.2 39.4
56 30.1 24.7 37.1





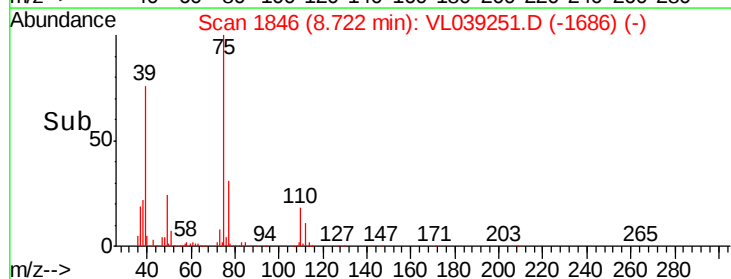
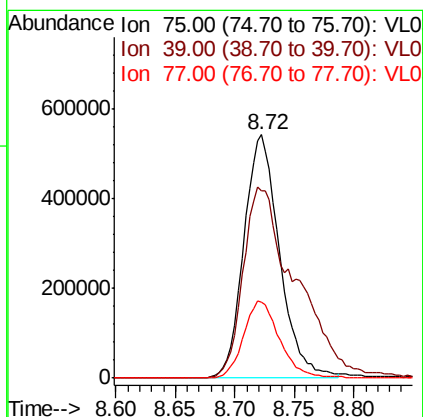
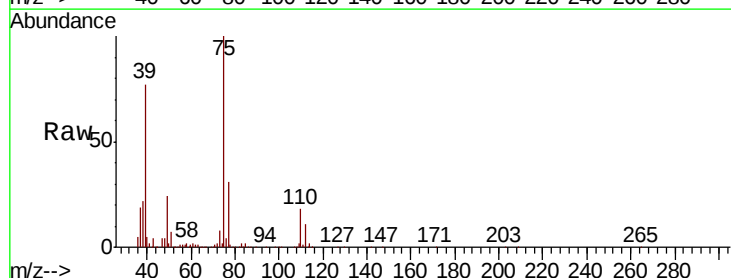
#45
t-1,3-Dichloropropene
Concen: 14.213 ppbv
RT: 9.29
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Jun 2022 1:45

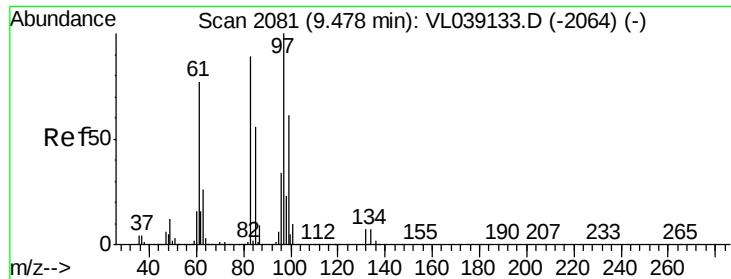
Tot Ion: 75 Resp: 963205
Ion Ratio Lower Upper
75 100
77 29.0 24.4 36.6



#46
cis-1,3-Dichloropropene
Concen: 12.552 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

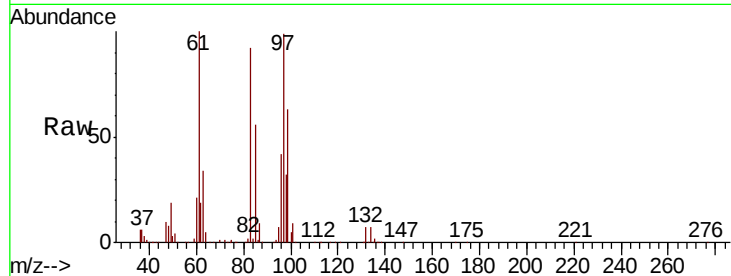
Tgt Ion: 75 Resp: 1123795
Ion Ratio Lower Upper
75 100
39 76.8 52.4 78.6
77 31.4 25.5 38.3





#47
 1,1,2-Trichloroethane
 Concen: 11.016 ppbv
 RT: 9.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Jun 2022 1:45

Tot Ion:	97	Resp:	763674
Ion	Ratio	Lower	Upper
97	100		
83	92.1	71.6	107.4
85	56.5	44.8	67.2
99	63.1	49.0	73.4



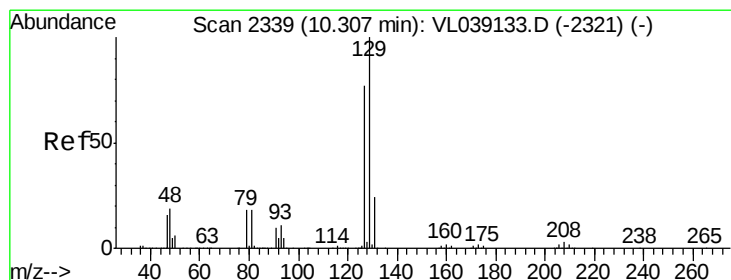
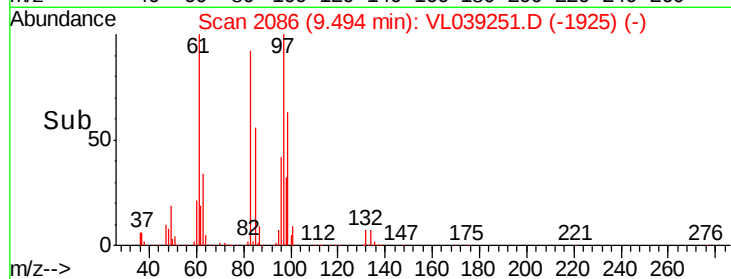
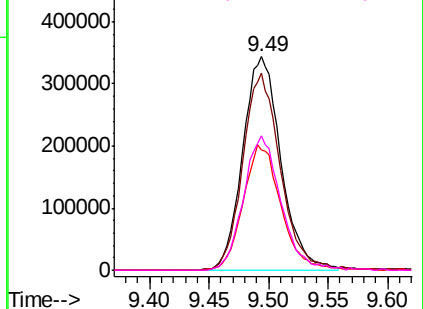
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

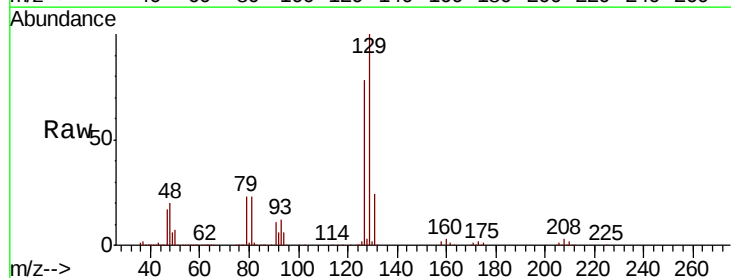
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 13.081 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.01 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

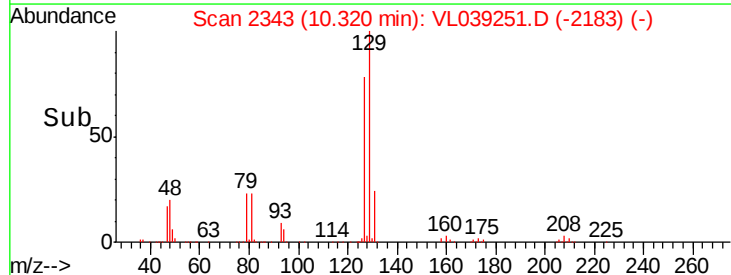
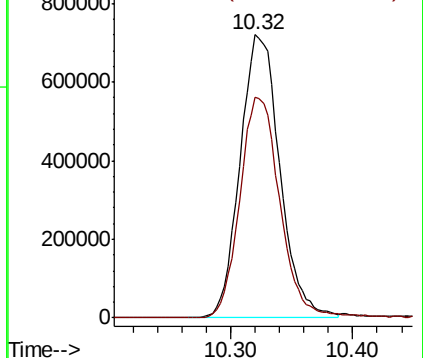
Tgt Ion:	129	Resp:	1619261
Ion	Ratio	Lower	Upper
129	100		
127	78.9	40.0	119.9

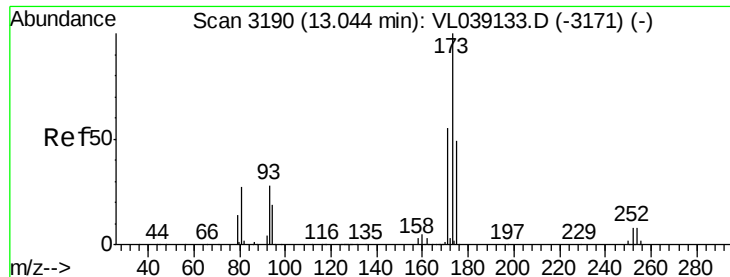


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.791 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Jun 2022 1:45

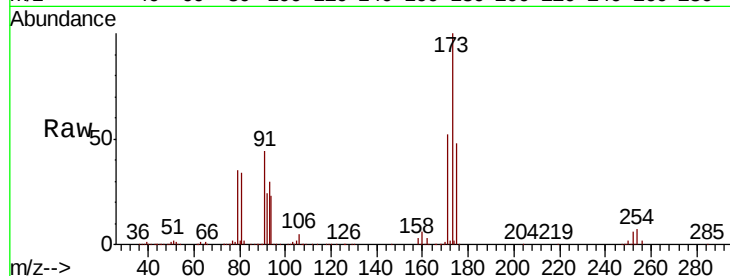
Tot Ion:173 Resp: 1319449

Ion Ratio Lower Upper

173 100

175 51.4 40.2 60.2

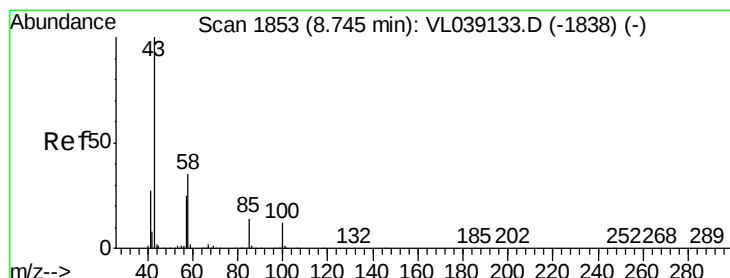
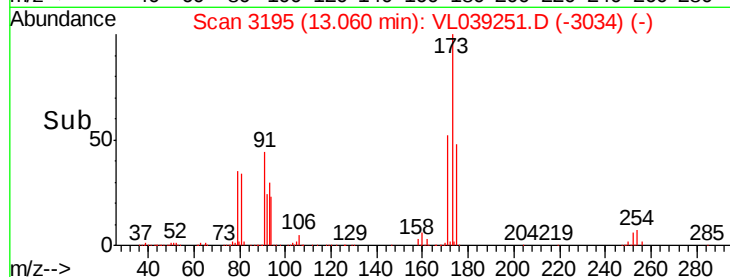
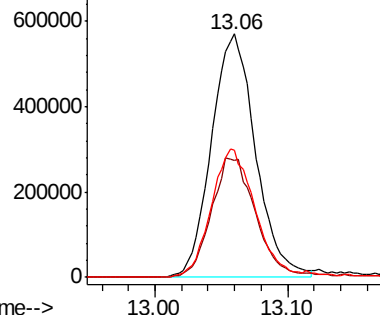
171 53.8 43.9 65.9



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: 12.058 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL039251.D

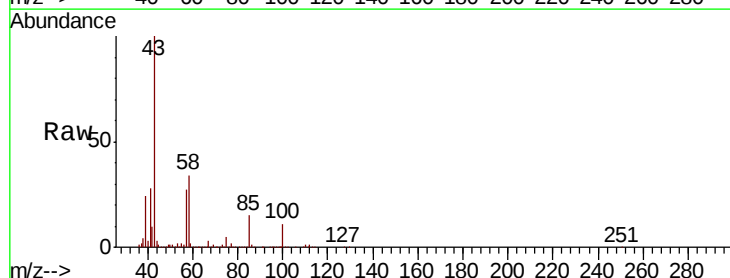
Acq: 9 Jun 2022 1:45

Tgt Ion: 43 Resp: 2017765

Ion Ratio Lower Upper

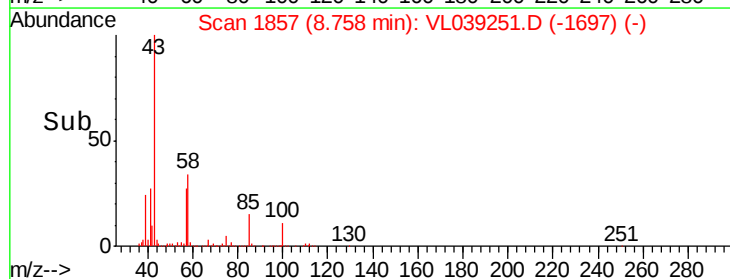
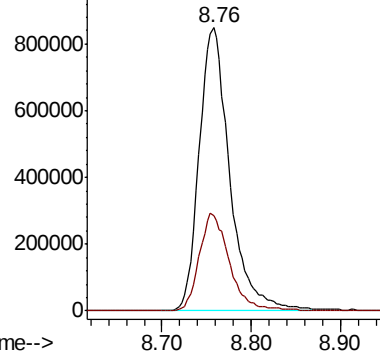
43 100

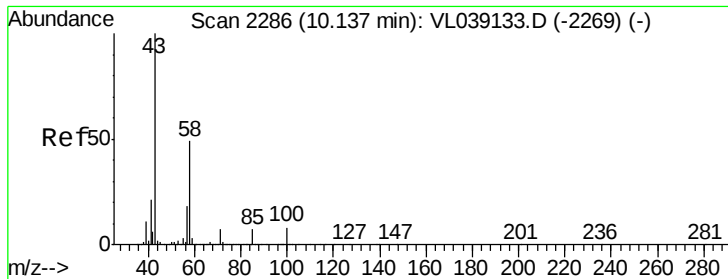
58 34.1 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.337 ppbv

RT: 10.15

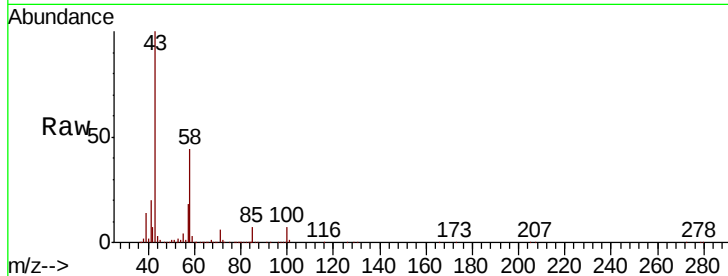
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

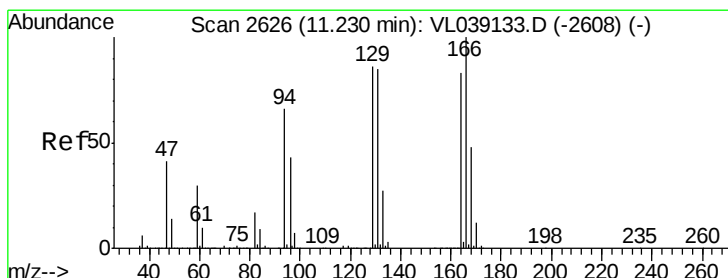
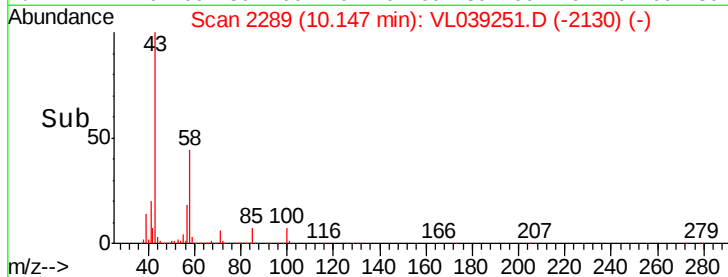
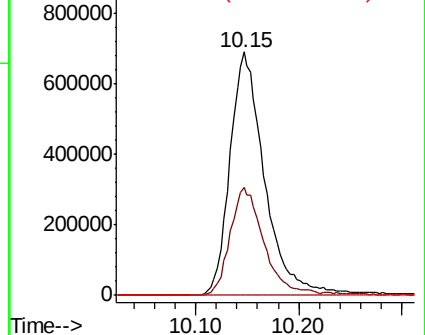
Acq: 9 Jun 2022 1:45

Tot Ion: 43 Resp: 1606419

Ion	Ratio	Lower	Upper
43	100		
58	44.7	40.0	60.0
98	0.3	0.1	0.1#



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



#52

Tetrachloroethene

Concen: 10.457 ppbv

RT: 11.24 min Scan# 2630

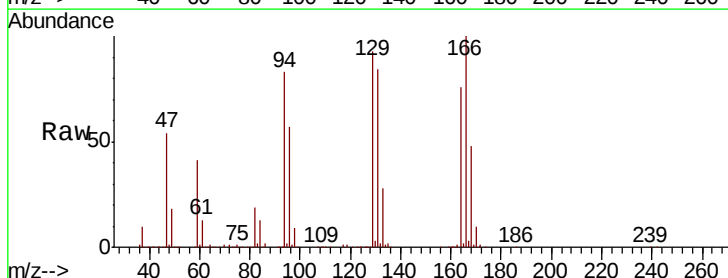
Delta R.T. 0.01 min

Lab File: VL039251.D

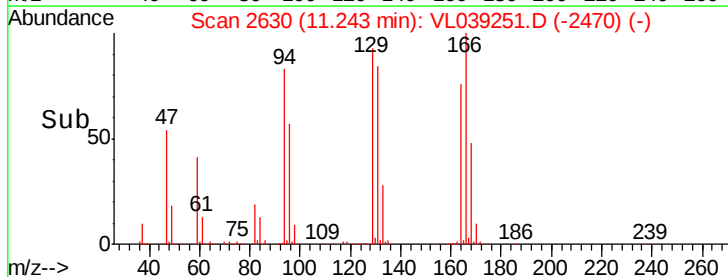
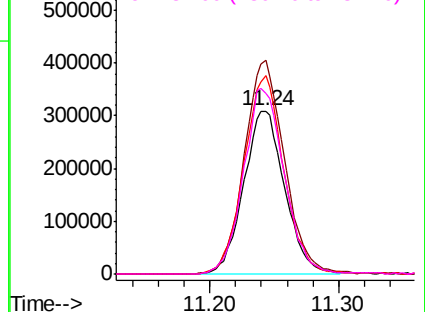
Acq: 9 Jun 2022 1:45

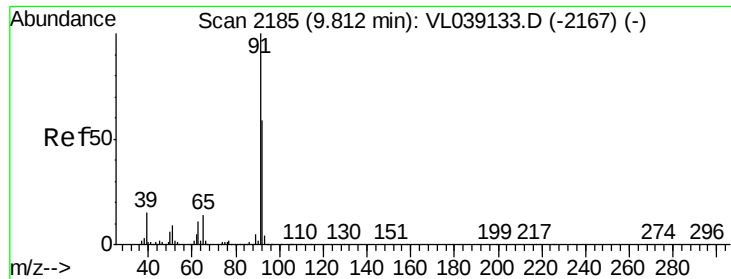
Tgt Ion: 164 Resp: 682094

Ion	Ratio	Lower	Upper
164	100		
166	131.0	96.3	144.5
129	121.3	82.5	123.7
131	110.5	82.1	123.1



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





#53

Toluene

Concen: 11.016 ppbv

RT: 9.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

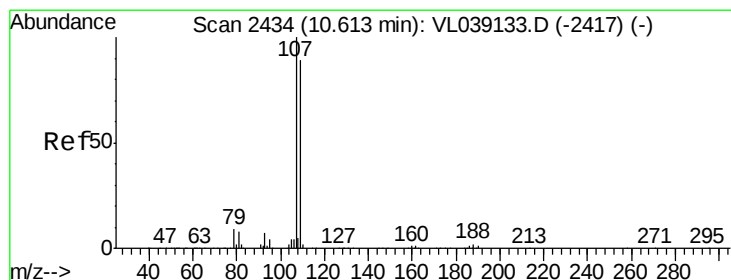
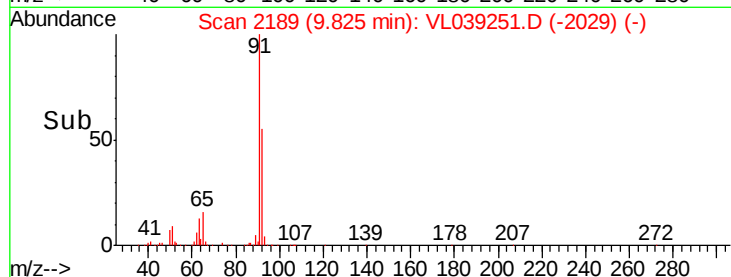
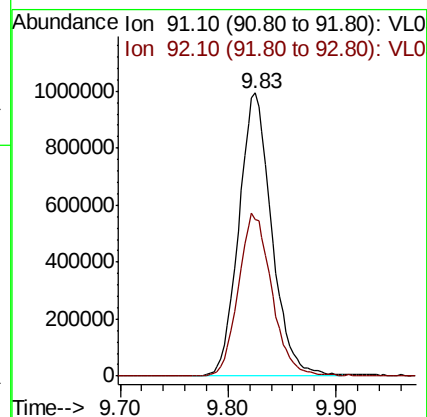
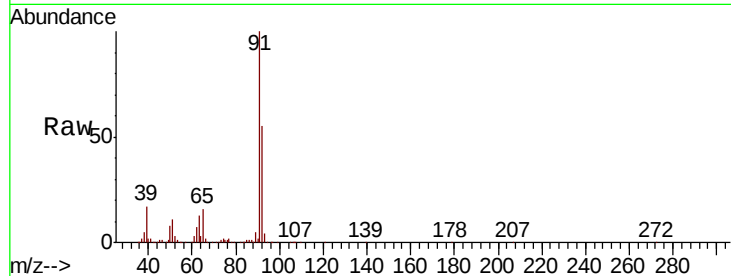
Acq: 9 Jun 2022 1:45 VSTDCCC010EC

Tot Ion: 91 Resp: 2119197

Ion Ratio Lower Upper

91 100

92 58.3 48.1 72.1



#54

1,2-Dibromoethane

Concen: 12.208 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.02 min

Lab File: VL039251.D

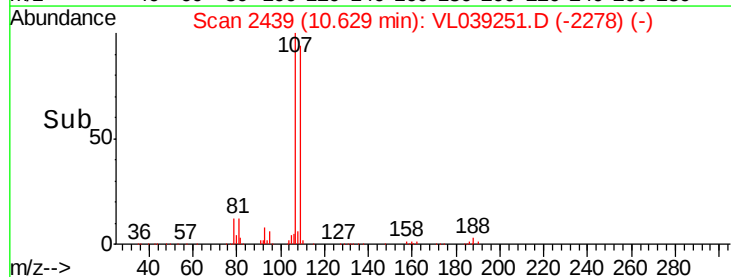
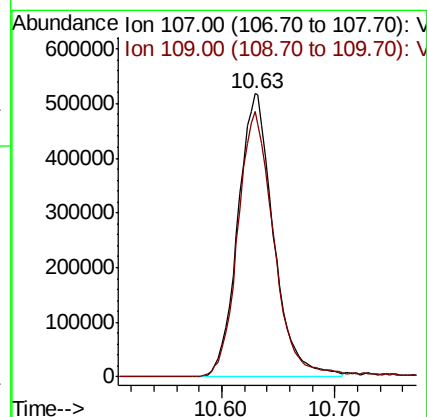
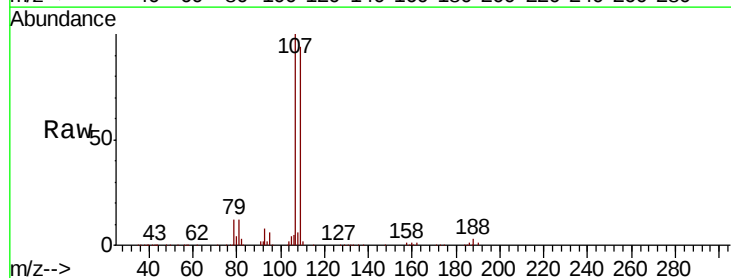
Acq: 9 Jun 2022 1:45

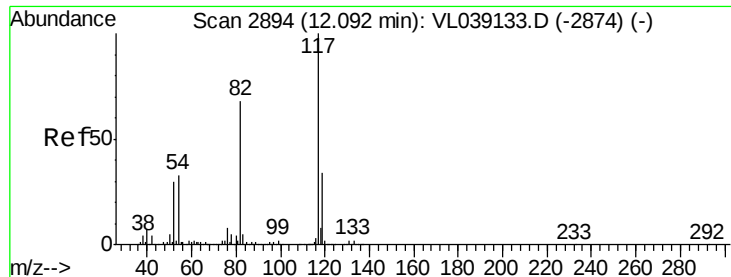
Tgt Ion: 107 Resp: 1137228

Ion Ratio Lower Upper

107 100

109 93.6 71.4 107.0

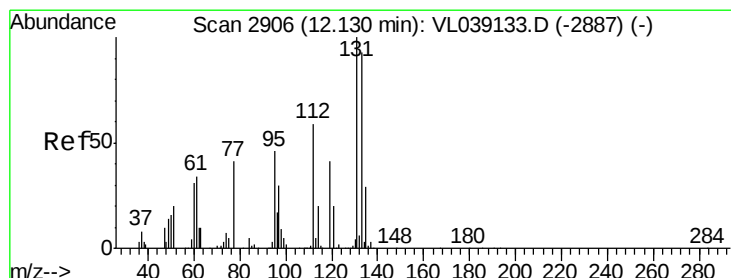
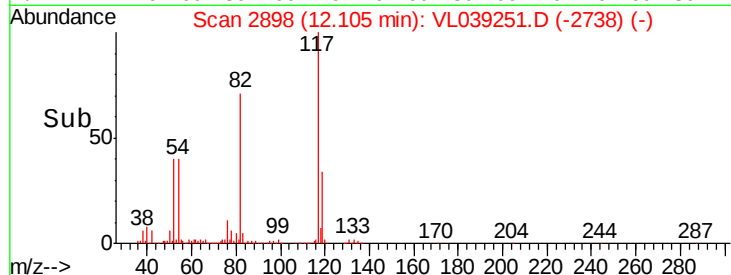
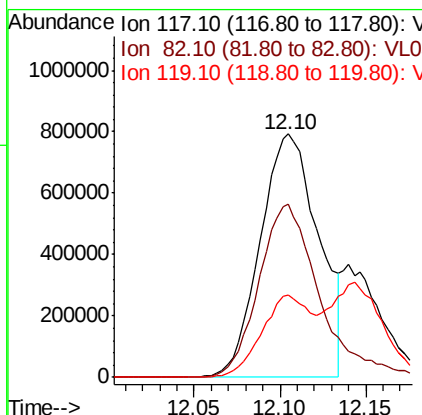
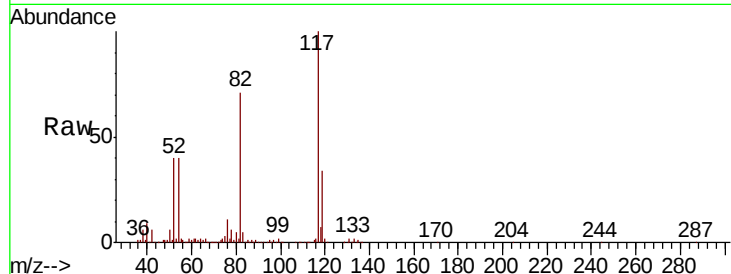




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 9 Jun 2022 1:45

Tot Ion:117 Resp: 1868607

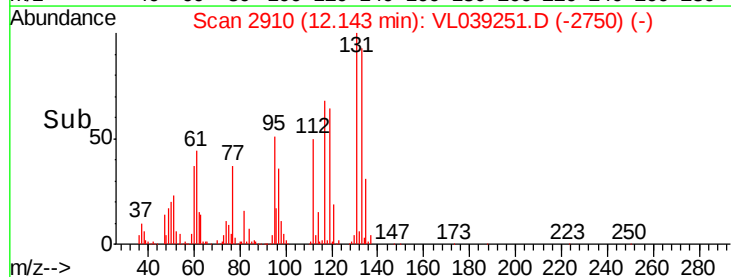
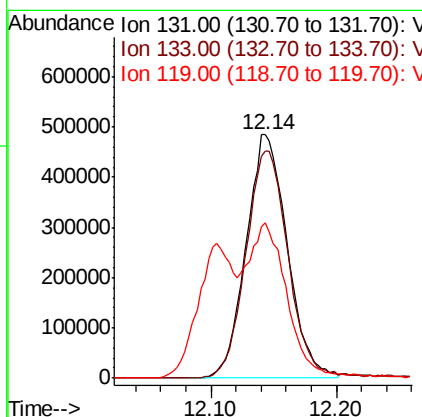
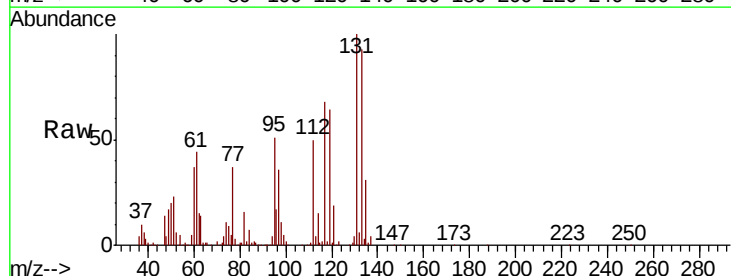
Ion	Ratio	Lower	Upper
117	100		
82	74.9	55.1	82.7
119	30.5	24.7	37.1

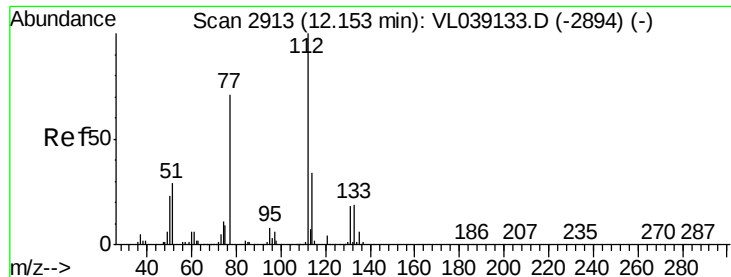


#56
1,1,1,2-Tetrachloroethane
Concen: 12.525 ppbv
RT: 12.14 min Scan# 2910
Delta R.T.: 0.01 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

Tgt Ion:131 Resp: 1107482

Ion	Ratio	Lower	Upper
131	100		
133	96.0	78.6	117.8
119	59.2	51.7	77.5





#57

Chlorobenzene

Concen: 11.414 ppbv

RT: 12.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Jun 2022 1:45

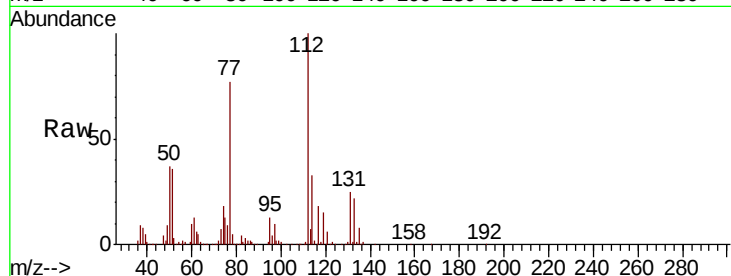
Tot Ion: 112 Resp: 1604832

Ion Ratio Lower Upper

112 100

77 75.7 56.5 84.7

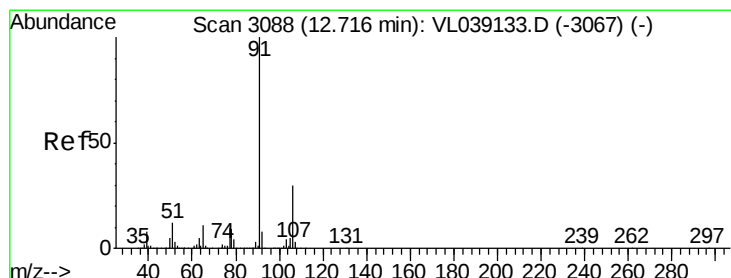
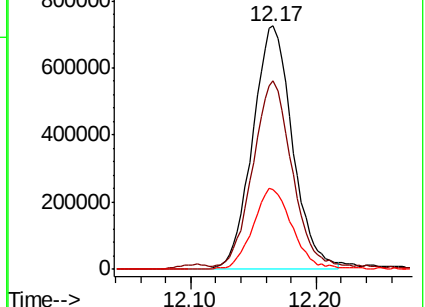
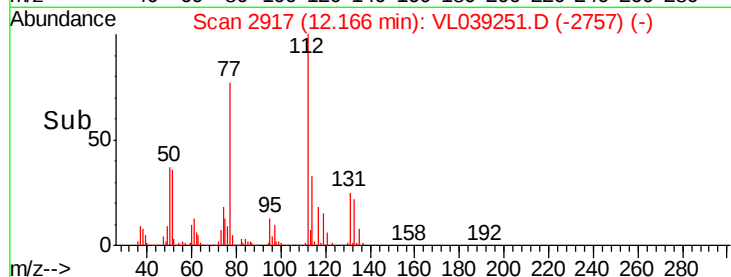
114 32.9 30.3 37.1



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: 11.809 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL039251.D

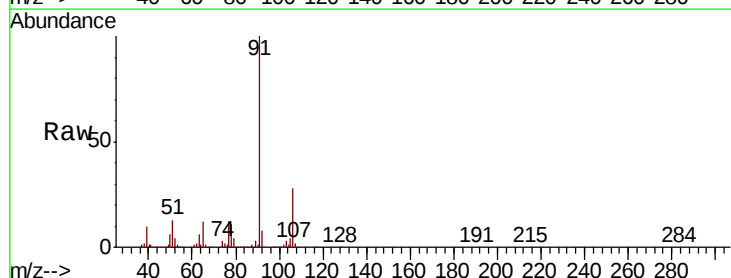
Acq: 9 Jun 2022 1:45

Tgt Ion: 91 Resp: 3039461

Ion Ratio Lower Upper

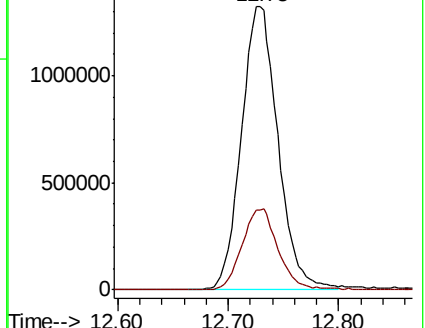
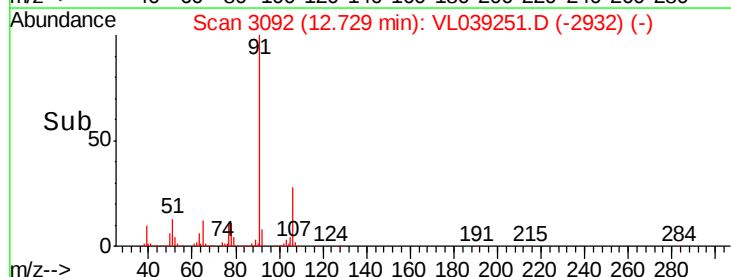
91 100

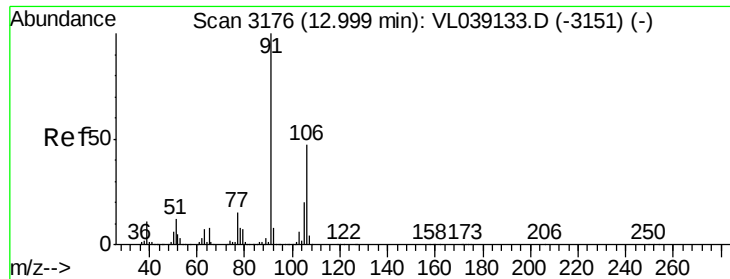
106 28.4 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

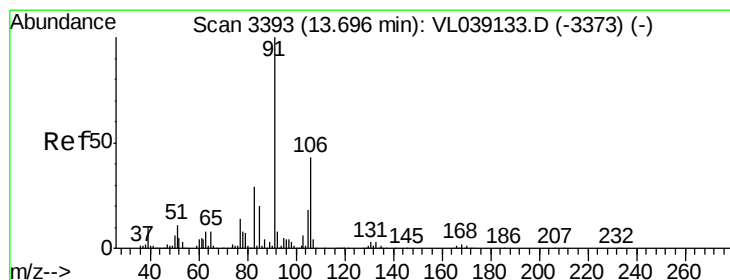
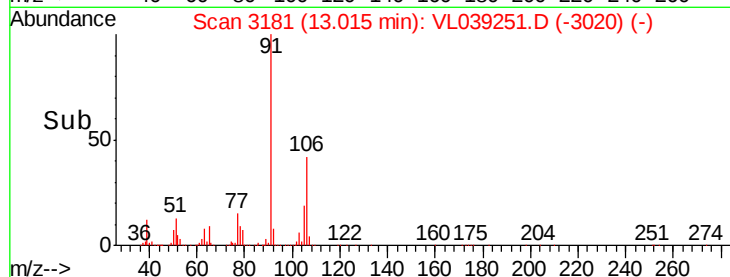
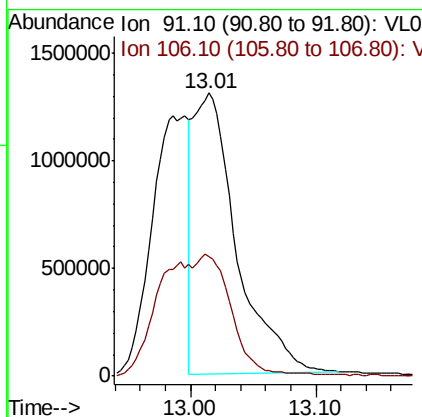
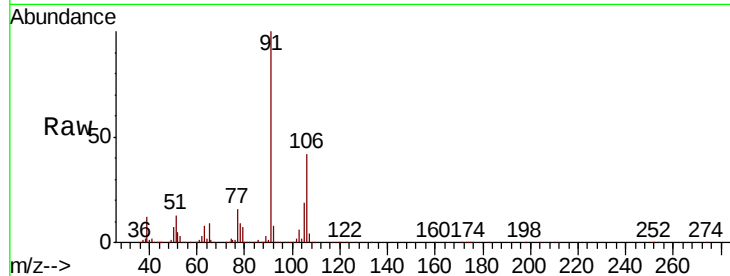
Ion 106.10 (105.80 to 106.80): V





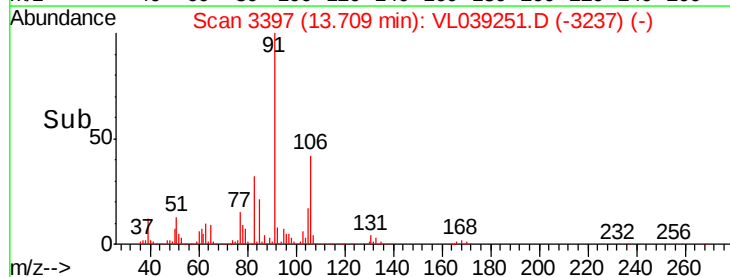
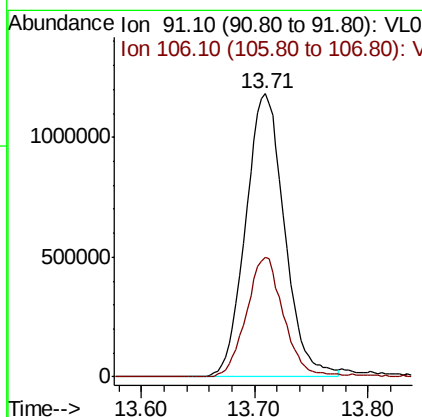
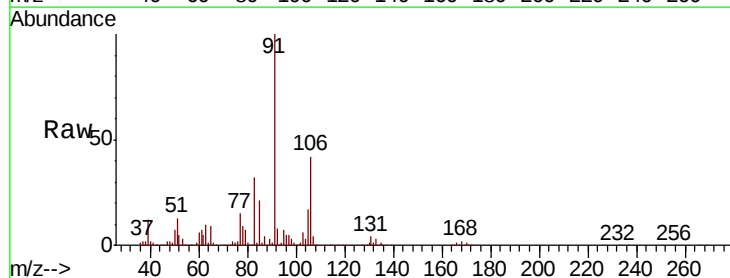
#59
m/p-Xylene
Concen: 13.773 ppbv
RT: 13.01 min
Delta R.T. 0.01 min
Lab File: VSTDCCC010EC
Acq: 9 Jun 2022 1:45

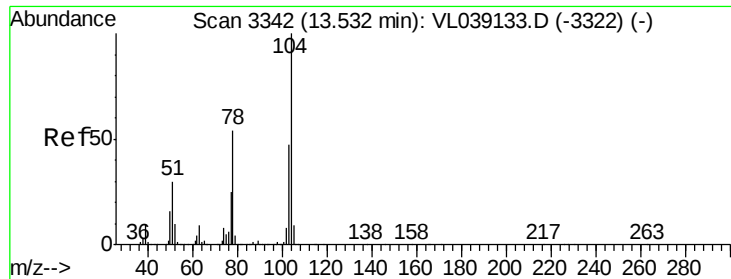
Tot Ion: 91 Resp: 3121813
Ion Ratio Lower Upper
91 100
106 72.1 34.3 51.5#



#60
o-Xylene
Concen: 13.249 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.01 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

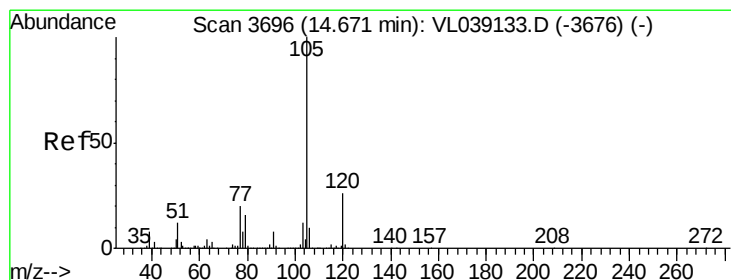
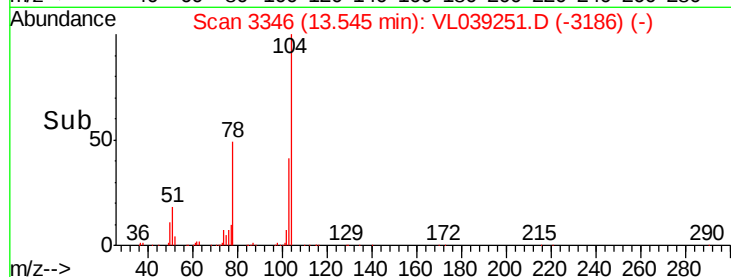
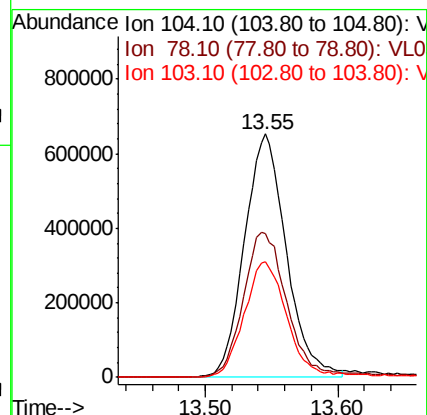
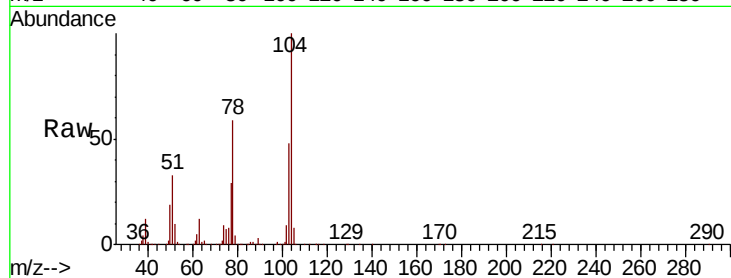
Tgt Ion: 91 Resp: 2821782
Ion Ratio Lower Upper
91 100
106 41.2 22.3 66.9





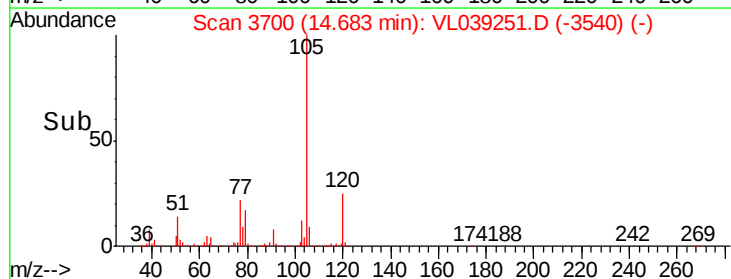
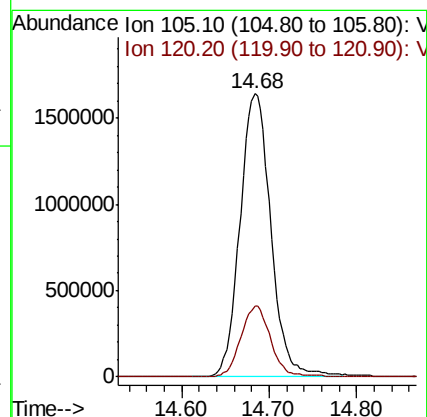
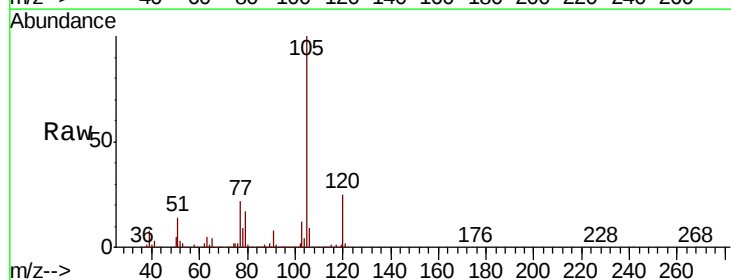
#61
Stvrene
Concen: 12.566 ppbv
RT: 13.55
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 9 Jun 2022 1:45

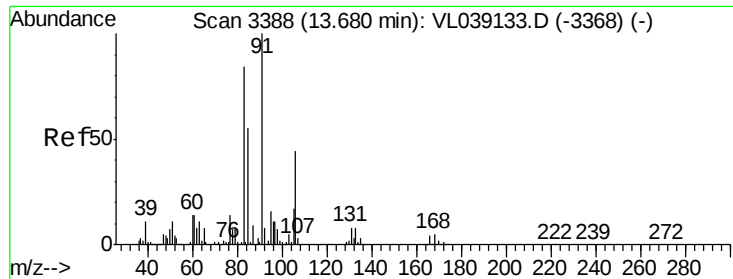
Tot Ion:104 Resp: 1433145
Ion Ratio Lower Upper
104 100
78 63.0 45.7 68.5
103 49.5 39.6 59.4



#62
Isopropylbenzene
Concen: 12.699 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.01 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

Tgt Ion:105 Resp: 4020079
Ion Ratio Lower Upper
105 100
120 24.5 20.3 30.5

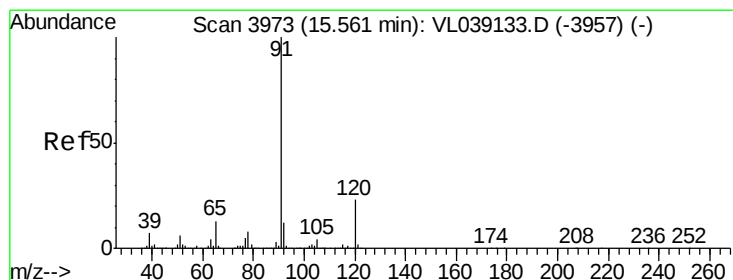
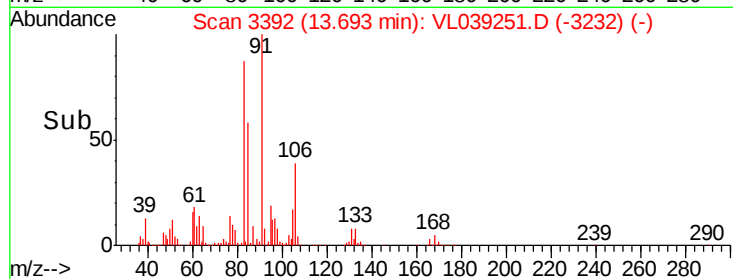
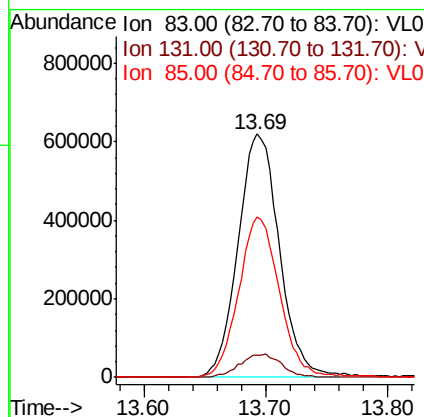
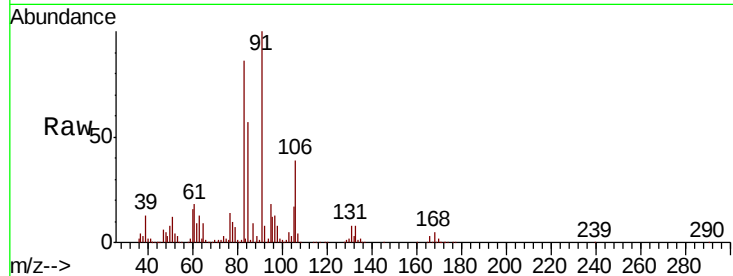




#63
 1,1,2,2-Tetrachloroethane
 Concen: 12.075 ppbv
 RT: 13.69 min
 Delta R.T. 0.02 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

Tot Ion: 83 Resp: 1443518

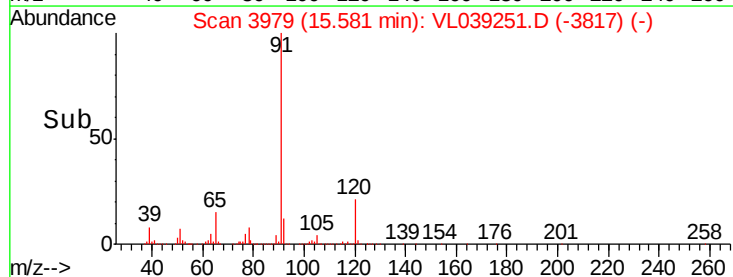
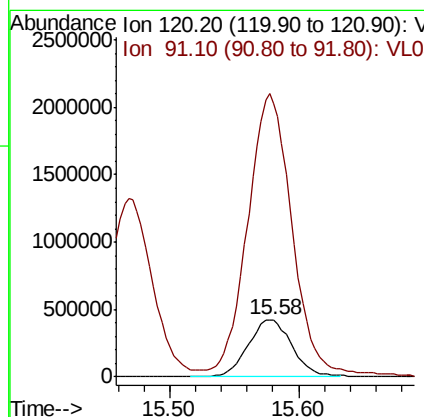
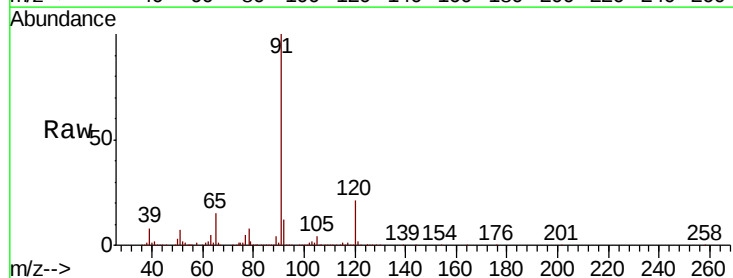
Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.8	14.3
85	66.2	33.0	99.0

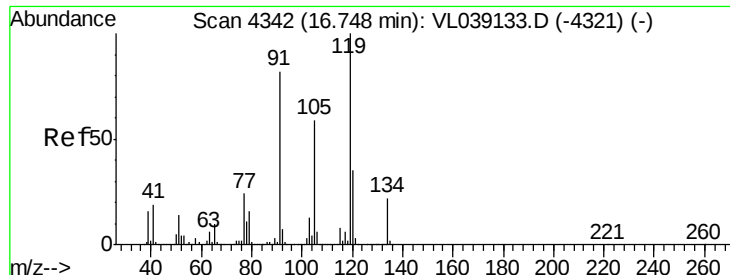


#64
 n-propylbenzene
 Concen: 12.833 ppbv
 RT: 15.58 min Scan# 3979
 Delta R.T. 0.02 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

Tgt Ion: 120 Resp: 998623

Ion	Ratio	Lower	Upper
120	100		
91	509.8	388.4	582.6

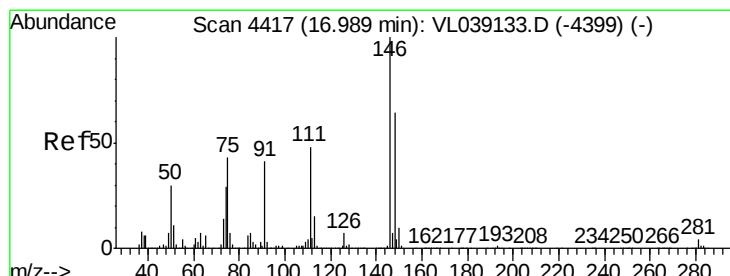
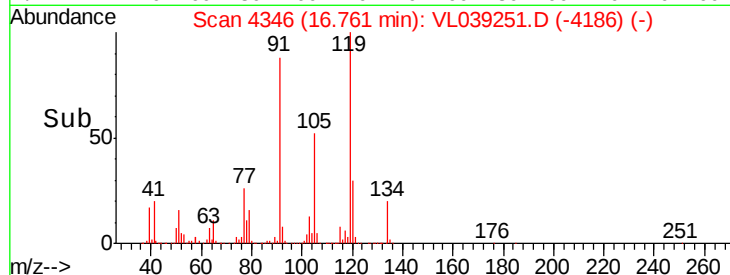
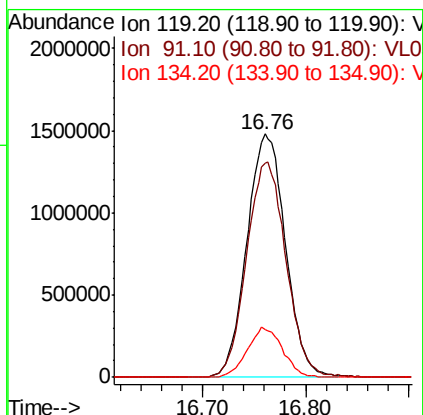
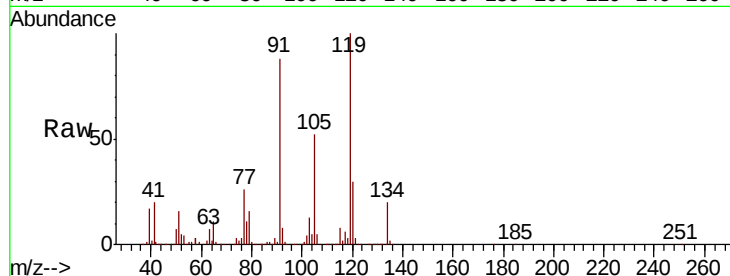




#65
tert-Butylbenzene
Concen: 13.265 ppbv
RT: 16.76 min
Delta R.T.: 0.02 min
Lab File: VSTDCCC010EC
Acq: 9 Jun 2022 1:45

Tot Ion: 119 Resp: 3839910

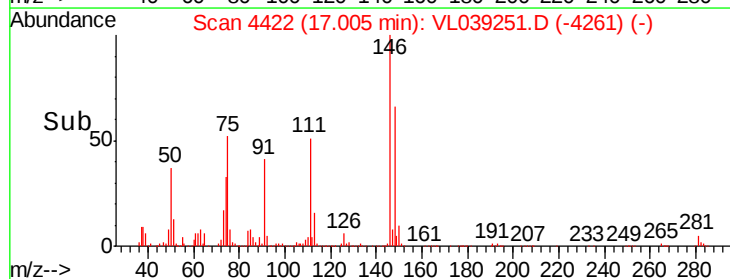
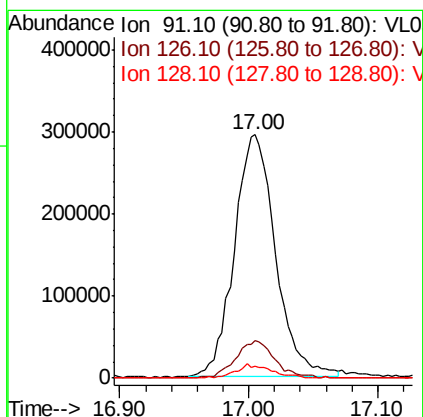
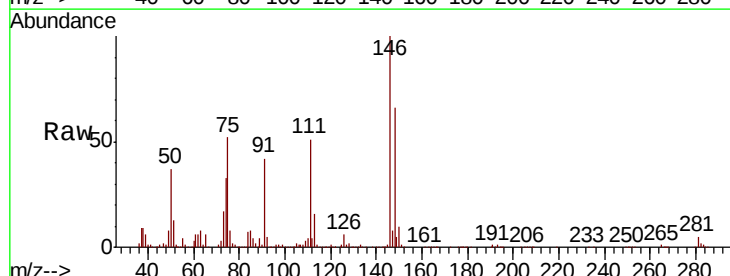
Ion	Ratio	Lower	Upper
119	100		
91	90.8	67.1	100.7
134	18.9	15.8	23.8

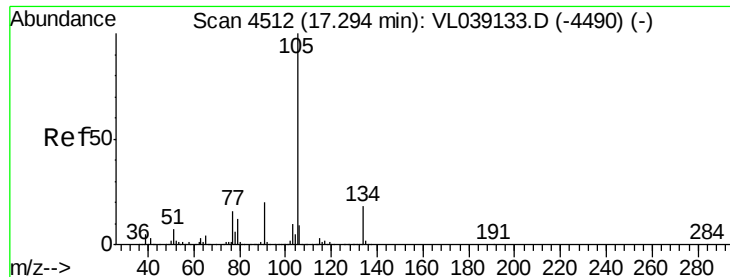


#66
Benzyl Chloride
Concen: 17.382 ppbv
RT: 17.00 min Scan# 4422
Delta R.T.: 0.02 min
Lab File: VL039251.D
Acq: 9 Jun 2022 1:45

Tgt Ion: 91 Resp: 654254

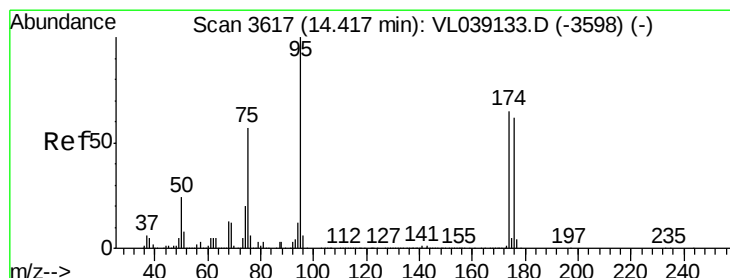
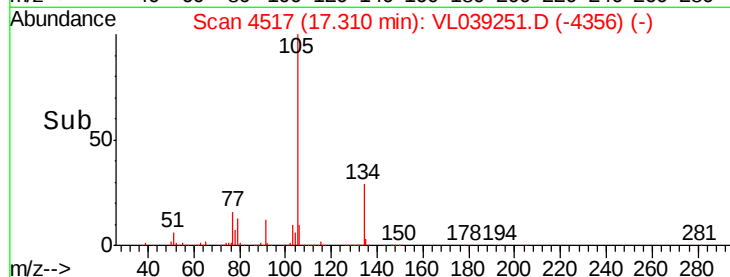
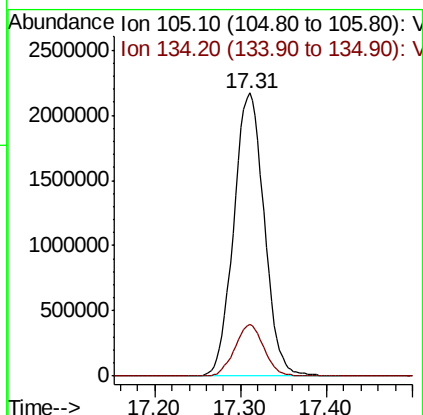
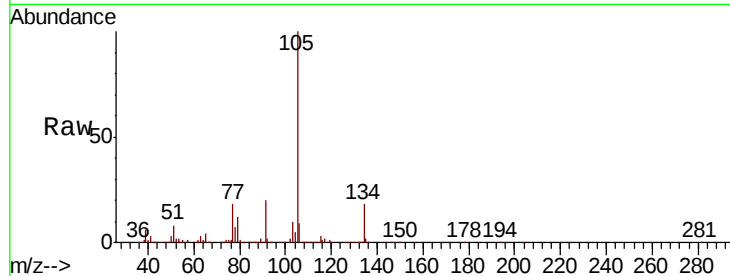
Ion	Ratio	Lower	Upper
91	100		
126	15.2	13.4	20.0
128	5.1	4.1	6.1





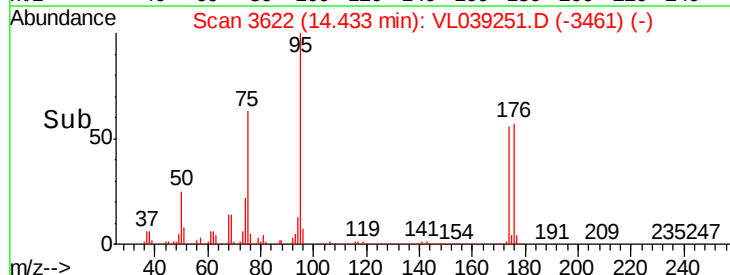
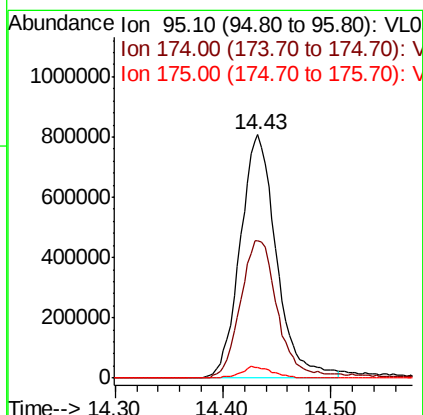
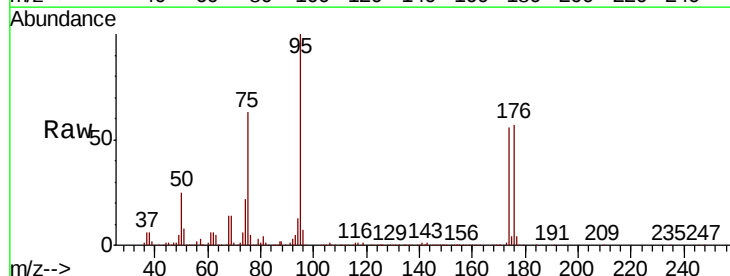
#67
 sec-Butylbenzene
 Concen: 13.504 ppbv
 RT: 17.31 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 9 Jun 2022 1:45

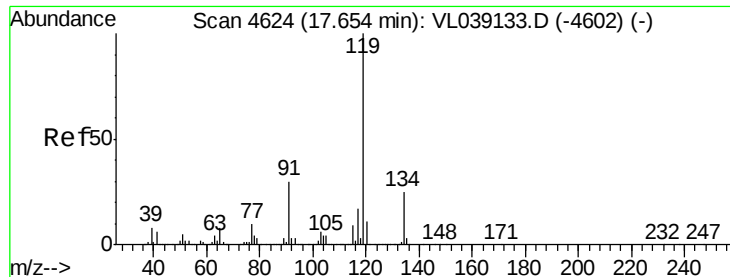
Tot Ion: 105 Resp: 5333429
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 12.227 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. 0.02 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

Tgt Ion: 95 Resp: 1888857
 Ion Ratio Lower Upper
 95 100
 174 60.0 53.8 80.8
 175 4.5 4.1 6.1





#69

p-Isopropyltoluene

Concen: 13.509 ppbv

RT: 17.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Jun 2022 1:45

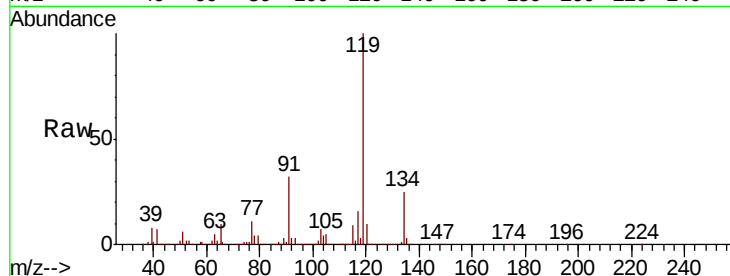
Tot Ion: 119 Resp: 4501635

Ion Ratio Lower Upper

119 100

134 24.6 20.4 30.6

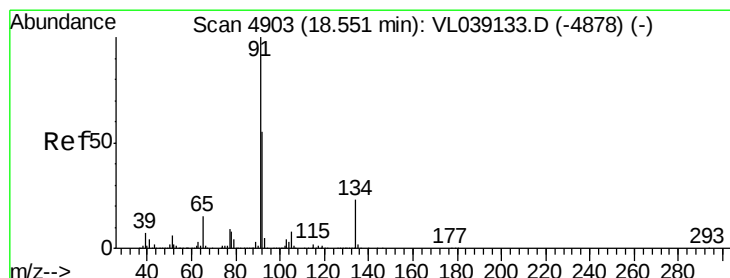
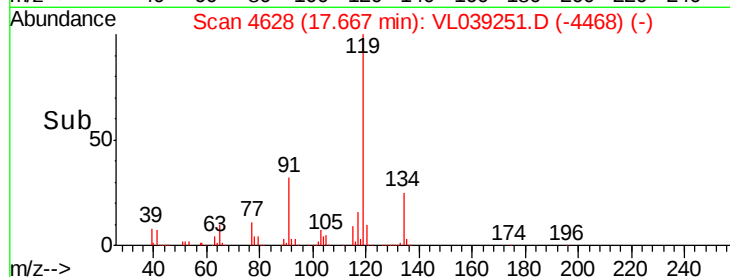
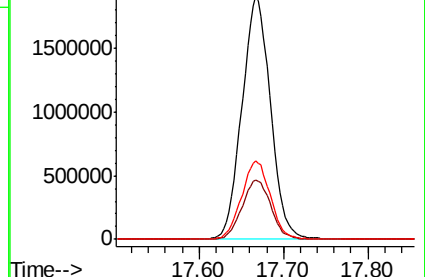
91 32.6 24.2 36.4



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 13.846 ppbv

RT: 18.56 min Scan# 4907

Delta R.T. 0.01 min

Lab File: VL039251.D

Acq: 9 Jun 2022 1:45

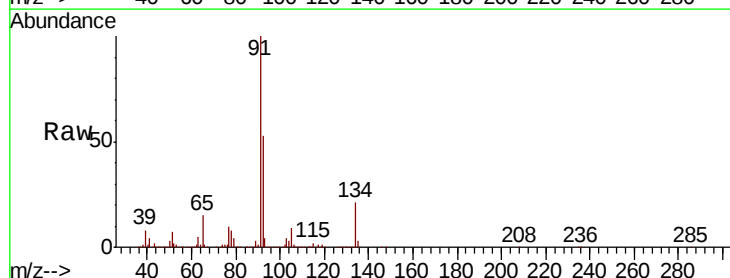
Tgt Ion: 91 Resp: 4735802

Ion Ratio Lower Upper

91 100

92 53.4 43.6 65.4

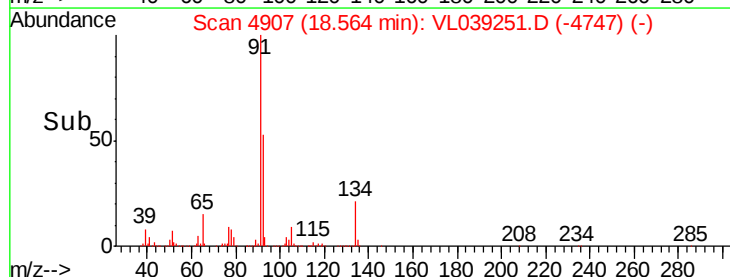
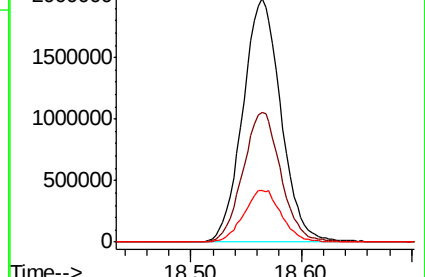
134 21.2 17.7 26.5

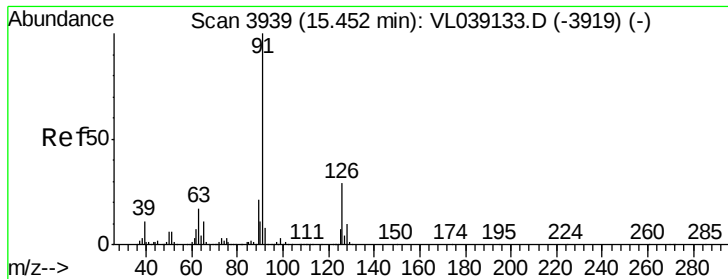


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

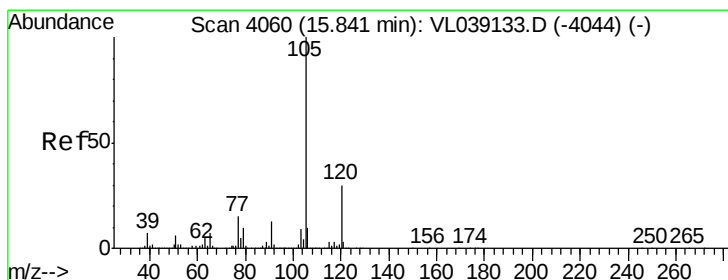
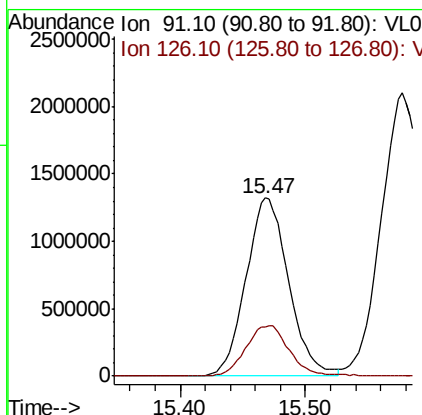
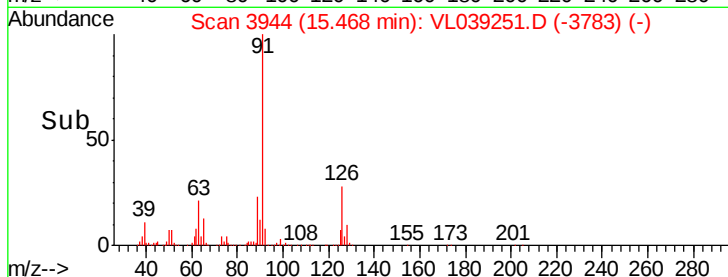
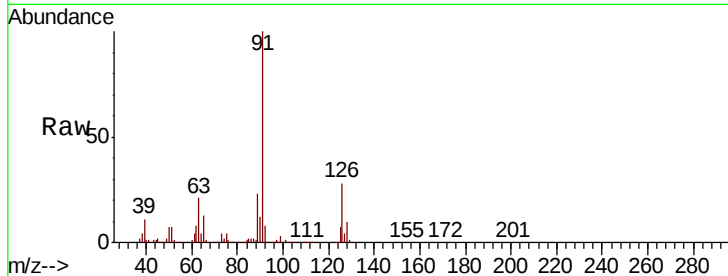
Ion 134.20 (133.90 to 134.90): V





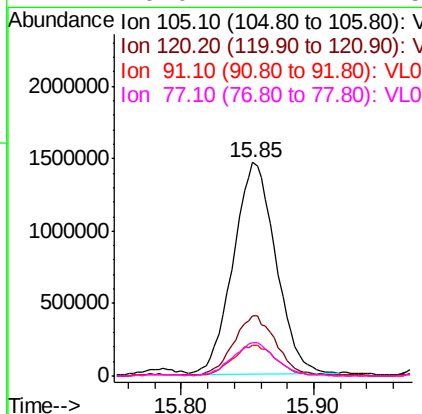
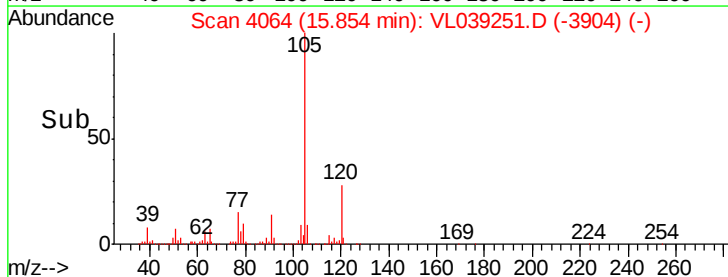
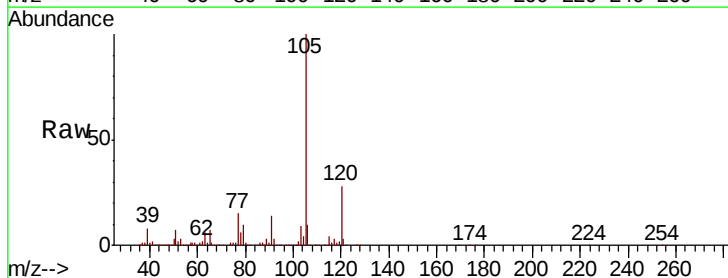
#71
 2-Chlorotoluene
 Concen: 12.951 ppbv
 RT: 15.47 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 9 Jun 2022 1:45

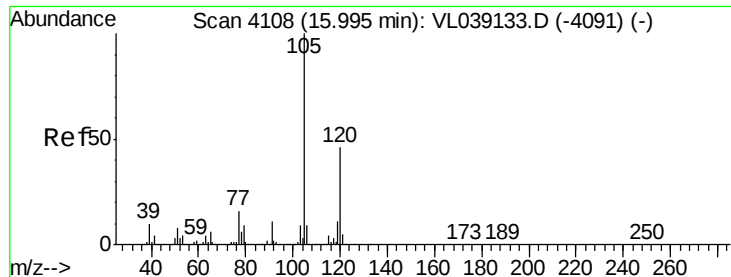
Tot Ion: 91 Resp: 3126303
 Ion Ratio Lower Upper
 91 100
 126 29.5 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 13.030 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T.: 0.01 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

Tgt Ion:105 Resp: 3252569
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.9 35.9
 91 15.0 10.6 16.0
 77 16.0 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 13.486 ppbv

RT: 16.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

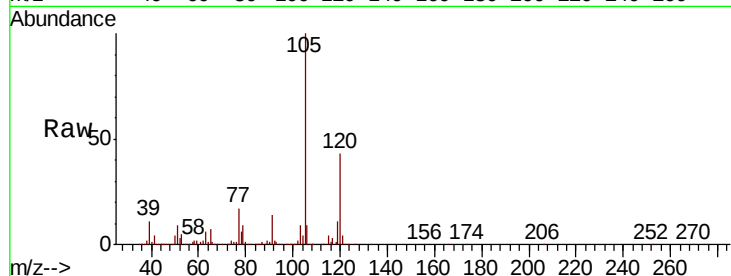
Acq: 9 Jun 2022 1:45

Tot Ion:105 Resp: 3036197

Ion Ratio Lower Upper

105 100

120 43.1 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

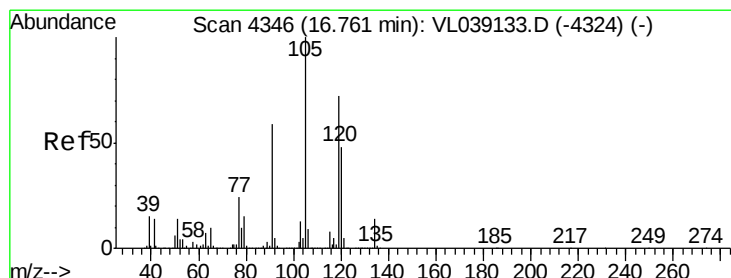
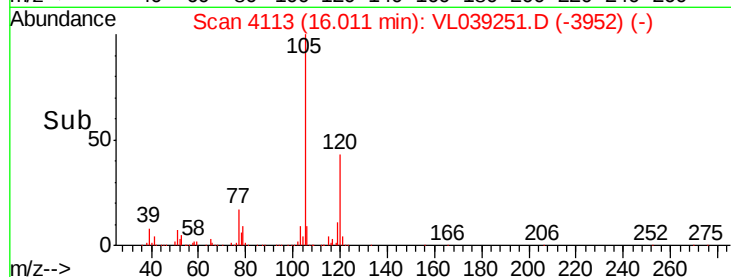
1500000 Ion 120.20 (119.90 to 120.90): V

1000000

500000

0

Time--> 15.90 15.95 16.00 16.05



#74

1,2,4-Trimethylbenzene

Concen: 13.811 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.02 min

Lab File: VL039251.D

Acq: 9 Jun 2022 1:45

Tgt Ion:105 Resp: 3470063

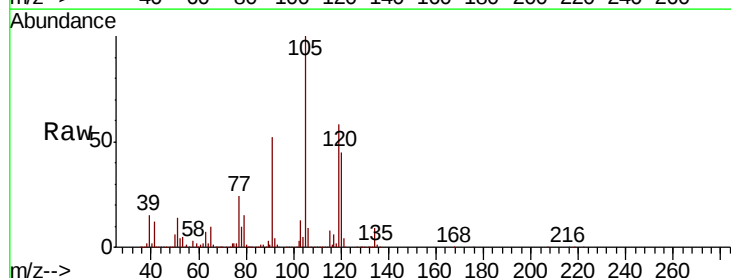
Ion Ratio Lower Upper

105 100

120 45.2 38.1 57.1

91 52.2 47.4 71.0

77 23.9 19.5 29.3



Abundance Ion 105.10 (104.80 to 105.80): V

2000000 Ion 120.20 (119.90 to 120.90): V

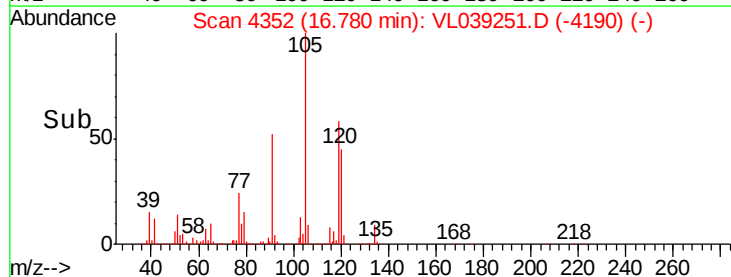
1500000 Ion 91.10 (90.80 to 91.80): VL0

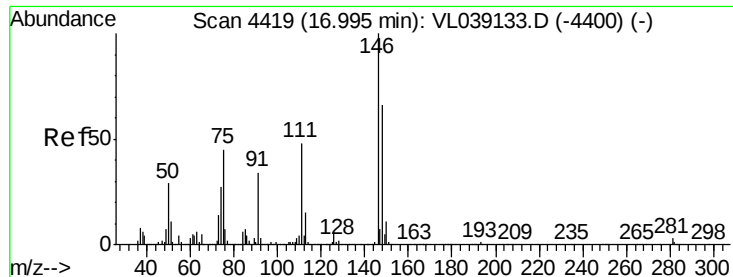
1000000 Ion 77.10 (76.80 to 77.80): VL0

500000

0

Time--> 16.70 16.80





#75

1,3-Dichlorobenzene

Concen: 13.210 ppbv

RT: 17.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Jun 2022 1:45

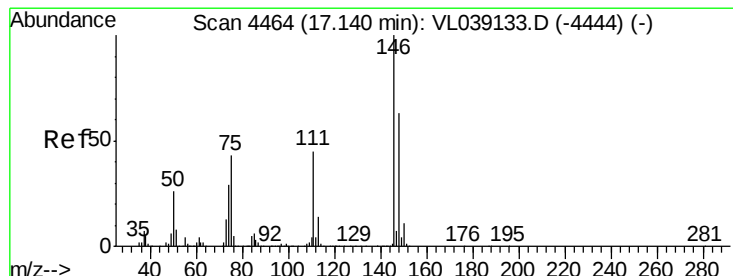
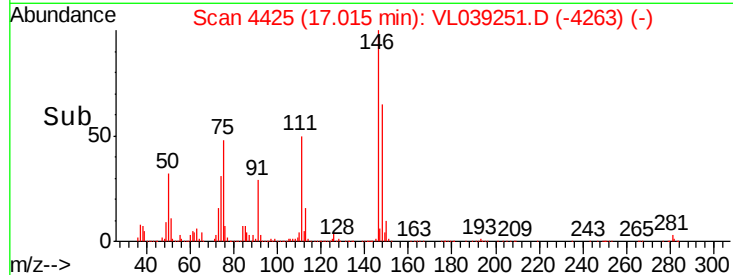
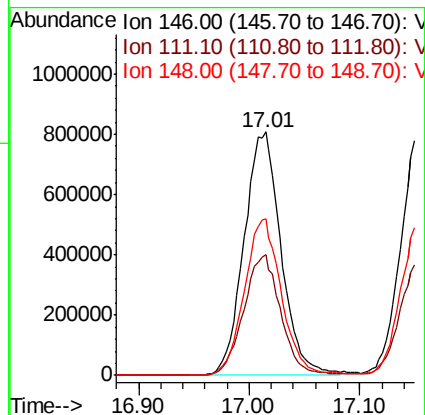
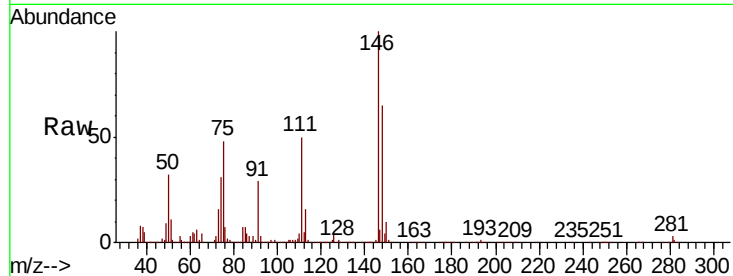
Tot Ion:146 Resp: 1878576

Ion Ratio Lower Upper

146 100

111 49.7 23.8 71.4

148 64.2 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 13.087 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. 0.02 min

Lab File: VL039251.D

Acq: 9 Jun 2022 1:45

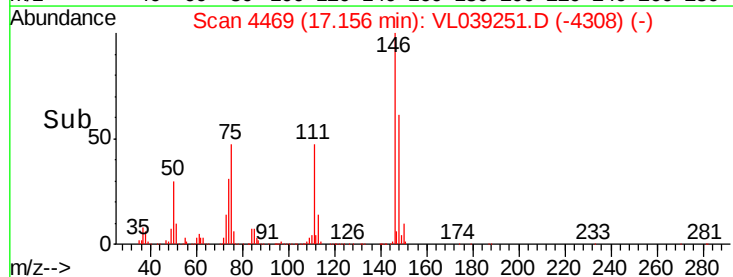
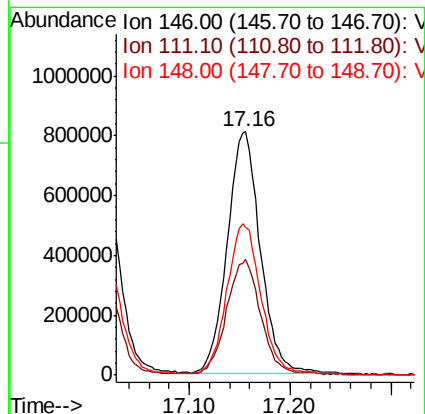
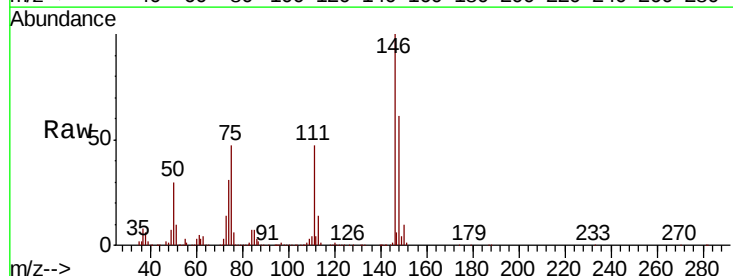
Tgt Ion:146 Resp: 1856978

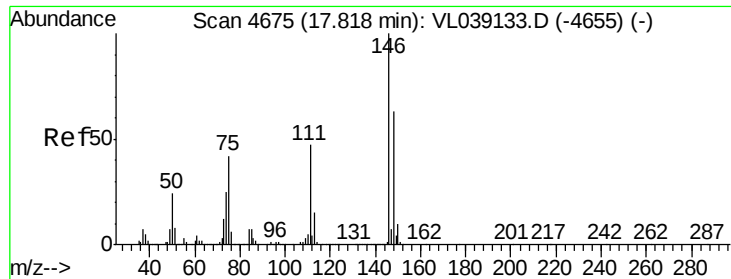
Ion Ratio Lower Upper

146 100

111 49.4 23.6 71.0

148 64.6 33.7 101.0

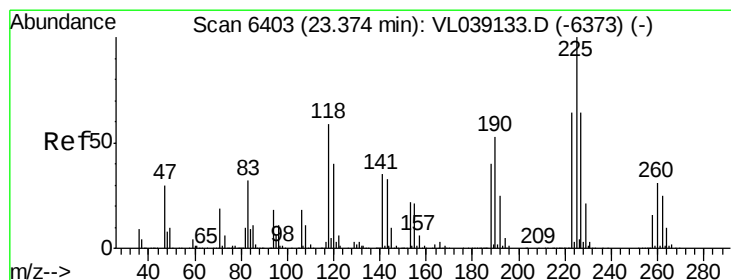
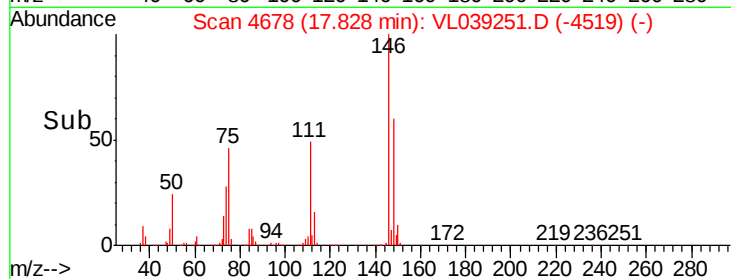
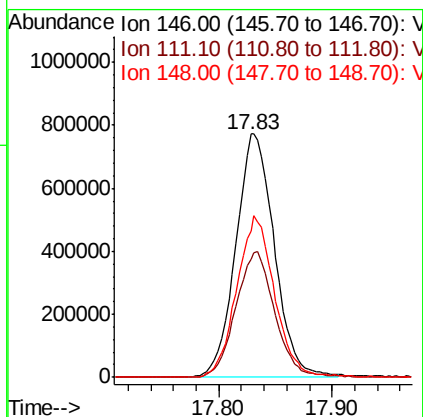
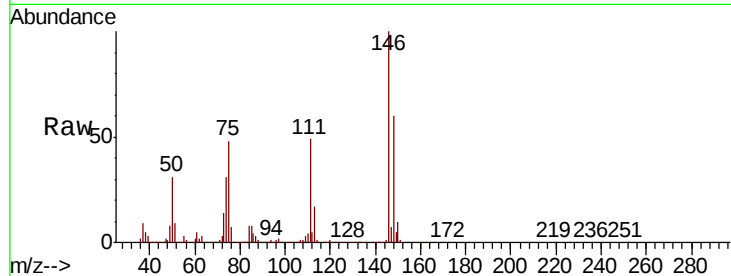




#77
 1,2-Dichlorobenzene
 Concen: 12.712 ppbv
 RT: 17.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 9 Jun 2022 1:45

Tot Ion:146 Resp: 1822086

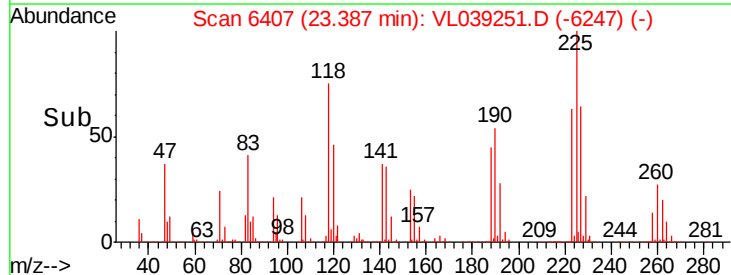
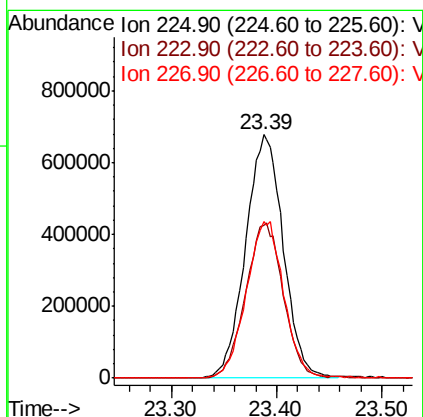
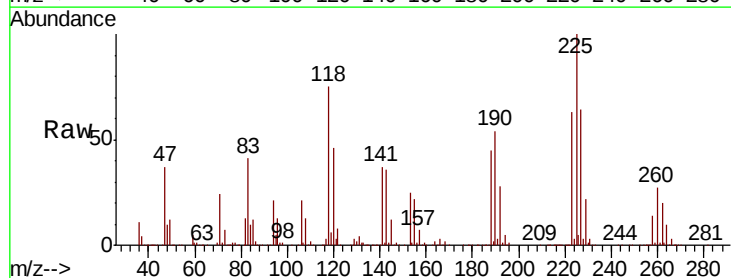
Ion	Ratio	Lower	Upper
146	100		
111	52.4	24.4	73.4
148	65.1	32.1	96.5

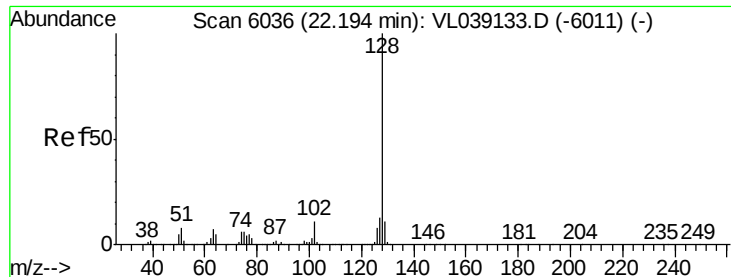


#78
 Hexachloro-1,3-Butadiene
 Concen: 12.847 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. 0.01 min
 Lab File: VL039251.D
 Acq: 9 Jun 2022 1:45

Tgt Ion:225 Resp: 1683869

Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.4	77.0
227	64.6	50.6	75.8





#79

Naphthalene

Concen: 14.940 ppbv

RT: 22.21

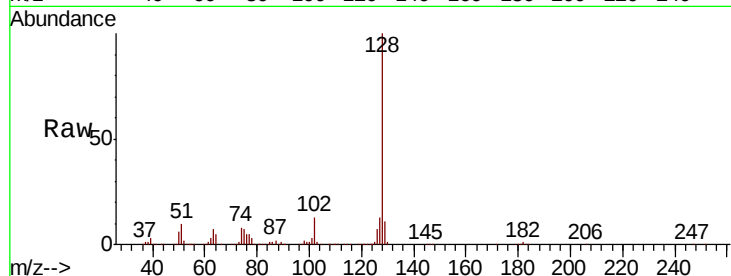
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

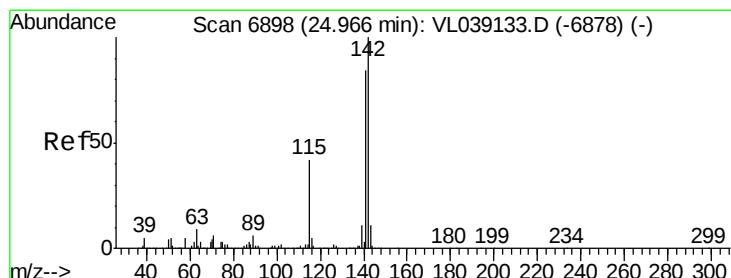
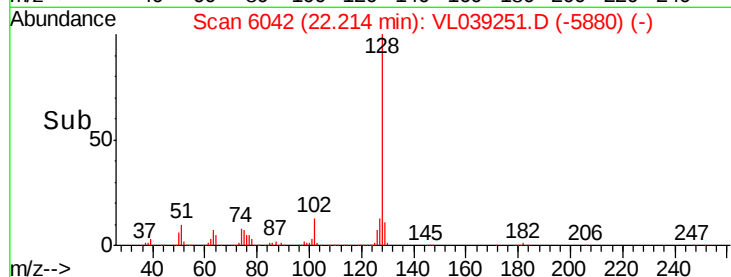
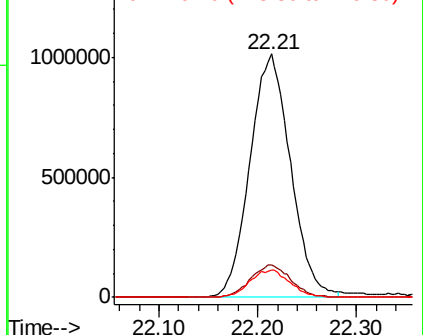
Acq: 9 Jun 2022 1:45

Tot Ion:128 Resp: 2889630

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	11.1	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: 14.898 ppbv

RT: 24.98 min Scan# 6903

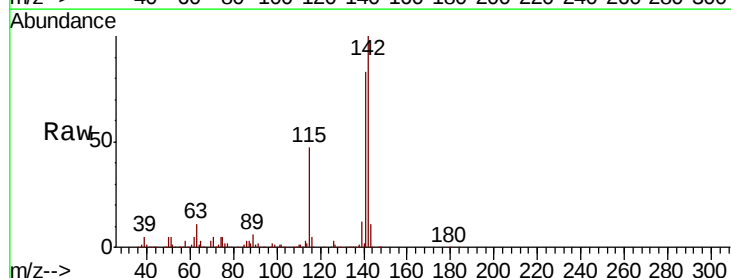
Delta R.T. 0.02 min

Lab File: VL039251.D

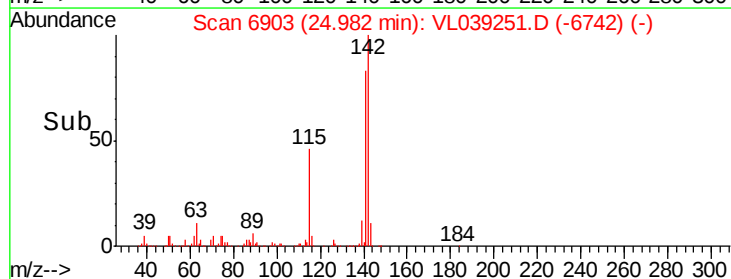
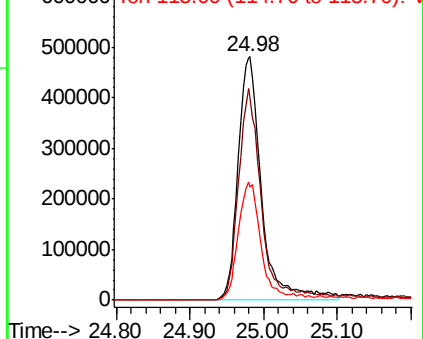
Acq: 9 Jun 2022 1:45

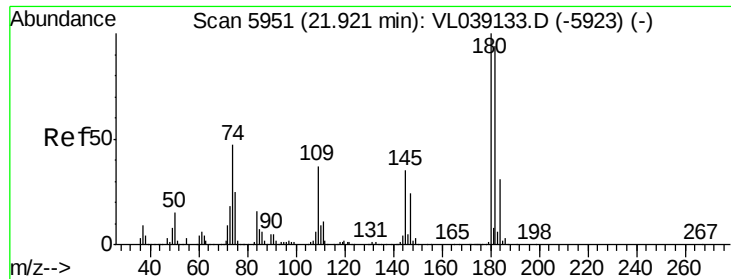
Tgt Ion:142 Resp: 1070552

Ion	Ratio	Lower	Upper
142	100		
141	85.6	64.6	96.8
115	47.7	32.7	49.1



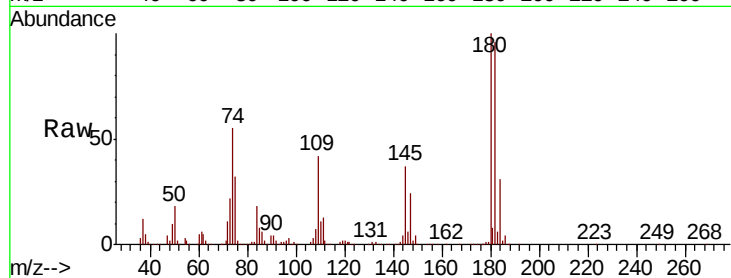
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 13.236 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 9 Jun 2022 1:45

Tot Ion:180 Resp: 1621777
 Ion Ratio Lower Upper
 180 100
 182 97.7 0.0 0.0#
 184 30.6 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

