

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061322\
 Data File : VL039253.D
 Acq On : 13 Jun 2022 12:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 14 01:29:29 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	1384402	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3154796	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3766315	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2744890	8.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2675372	11.002	ppbv	98
3) Chlorodifluoromethane	3.00	51	1769113	10.043	ppbv	97
4) Chloromethane	3.15	50	896510	9.908	ppbv	98
5) Vinyl Chloride	3.26	62	925967	10.947	ppbv	100
6) Bromomethane	3.48	94	416327	10.006	ppbv	96
7) Chloroethane	3.57	64	358855	12.176	ppbv	97
8) Dichlorotetrafluoroethane	3.20	85	2361024	10.624	ppbv	100
9) Propene	3.02	41	650405	8.468	ppbv	98
10) Heptane	8.13	43	1530604	8.542	ppbv	99
11) Trichlorofluoromethane	3.96	101	2591863	11.775	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1701311	11.688	ppbv	99
13) Ethanol	3.61	45	16833	4.019	ppbv #	100
14) Bromoethene	3.75	108	701819	10.725	ppbv #	92
15) Acetone	3.85	43	1603888	11.122	ppbv	98
16) 1,3-Butadiene	3.33	39	859754	11.090	ppbv	99
17) tert-Butyl alcohol	4.29	59	1397267	12.492	ppbv	99
18) 1,1-Dichloroethene	4.29	96	779676	11.940	ppbv	87
19) Isopropyl Alcohol	3.97	45	823583	12.176	ppbv #	98
20) Methylene Chloride	4.35	84	637045	10.482	ppbv	98
21) Allyl Chloride	4.42	41	1119435	11.507	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	815605	12.982	ppbv	92
23) Vinyl Acetate	5.08	43	1321329	11.074	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1555633	9.516	ppbv	97
25) Ethyl Acetate	5.68	43	3021325	9.296	ppbv	99
26) Hexane	5.69	57	1277080	8.941	ppbv	95
27) Carbon Disulfide	4.56	76	1838552	12.419	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1524892	9.670	ppbv	99
29) Chloroform	5.76	83	2317735	9.643	ppbv	100
30) Cyclohexane	7.14	84	1017860	8.483	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1422373	9.766	ppbv	93
32) 1,1,1-Trichloroethane	6.52	97	2468397	10.495	ppbv	99
34) 2-Butanone	5.25	43	1852415	10.808	ppbv	99
35) Carbon Tetrachloride	7.02	117	2643623	11.481	ppbv	99
36) Benzene	6.90	78	2431099	9.492	ppbv	97
37) 1,2-Dichloroethane	6.31	62	1977118	11.729	ppbv	97
38) Trichloroethene	7.84	130	1241459	10.553	ppbv	96
39) 1,2-Dichloropropane	7.62	63	961309	9.436	ppbv	91
40) 1,4-Dioxane	7.83	88	341384	10.179	ppbv #	1
41) Tetrahydrofuran	6.05	42	989663	9.601	ppbv	100
42) Bromodichloromethane	7.80	83	2599089	11.110	ppbv	95
43) Methyl Methacrylate	8.02	69	1040647	10.431	ppbv	96

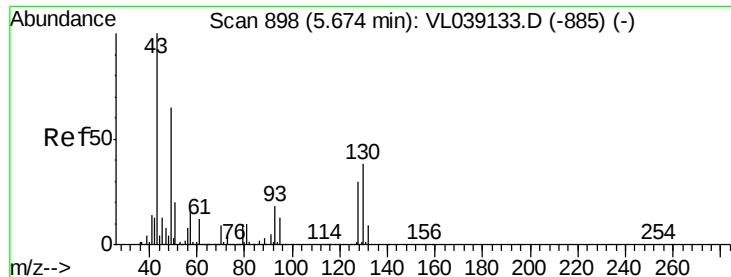
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061322\
 Data File : VL039253.D
 Acq On : 13 Jun 2022 12:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jun 14 01:29:29 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	7.87	57	4265059	9.519	ppbv	96
45) t-1,3-Dichloropropene	9.28	75	1166610	11.228	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1425057	10.382	ppbv	91
47) 1,1,2-Trichloroethane	9.48	97	1029560	9.687	ppbv	98
48) Dibromochloromethane	10.31	129	2089145	11.008	ppbv	99
49) Bromoform	13.04	173	1718269	10.865	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2695462	10.506	ppbv	99
51) 2-Hexanone	10.13	43	2126471	10.652	ppbv #	94
52) Tetrachloroethene	11.23	164	903416	9.034	ppbv	90
53) Toluene	9.81	91	2879272	9.763	ppbv	97
54) 1,2-Dibromoethane	10.62	107	1459735	10.221	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.13	131	1426366	8.004	ppbv	97
57) Chlorobenzene	12.15	112	2145449	7.571	ppbv	99
58) Ethyl Benzene	12.71	91	3997851	7.706	ppbv	97
59) m/p-Xylene	13.00	91	3765874	8.243	ppbv #	45
60) o-Xylene	13.70	91	3507111	8.170	ppbv	97
61) Styrene	13.53	104	1829475	7.958	ppbv	96
62) Isopropylbenzene	14.67	105	5086884	7.973	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1791795	7.436	ppbv	99
64) n-propylbenzene	15.56	120	1264182	8.060	ppbv	97
65) tert-Butylbenzene	16.74	119	4696154	8.049	ppbv	95
66) Benzyl Chloride	16.99	91	551081	7.264	ppbv	97
67) sec-Butylbenzene	17.29	105	6459838	8.115	ppbv	100
69) p-Isopropyltoluene	17.65	119	5439139	8.098	ppbv	97
70) n-Butylbenzene	18.55	91	5820946	8.444	ppbv	99
71) 2-Chlorotoluene	15.46	91	3895994	8.007	ppbv	97
72) 4-Ethyltoluene	15.84	105	4175170	8.298	ppbv	97
73) 1,3,5-Trimethylbenzene	16.00	105	3788275	8.348	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4191172	8.276	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	2294338	8.004	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2225026	7.780	ppbv	98
77) 1,2-Dichlorobenzene	17.82	146	2222972	7.695	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1889565	7.153	ppbv	99
79) Naphthalene	22.19	128	3371721	8.649	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	944194	6.519	ppbv #	90
81) 1,2,4-Trichlorobenzene	21.92	180	1959288	7.933	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: 13 Jun 2022 12:34

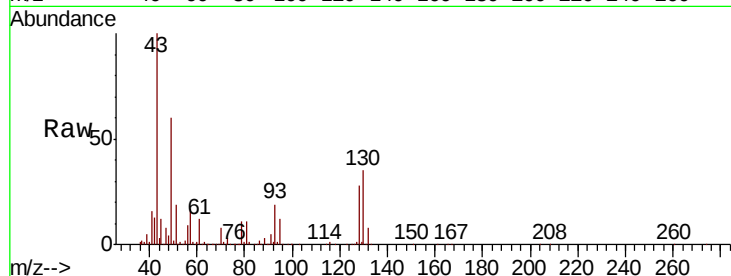
Tot Ion: 49 Resp: 1384402

Ion Ratio Lower Upper

49 100

128 47.8 24.7 74.1

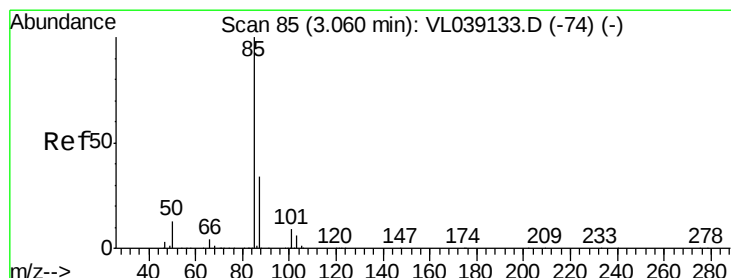
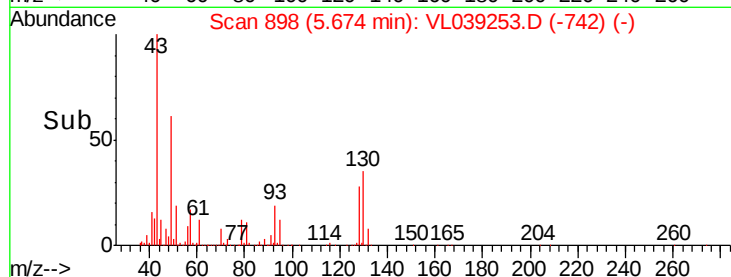
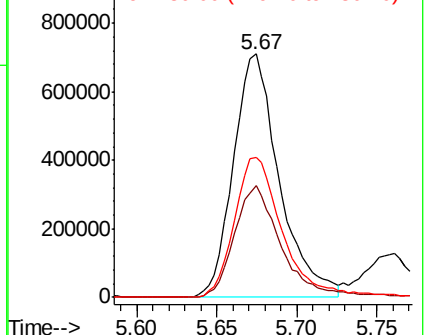
130 61.4 31.4 94.0



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: 11.002 ppbv

RT: 3.06 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL039253.D

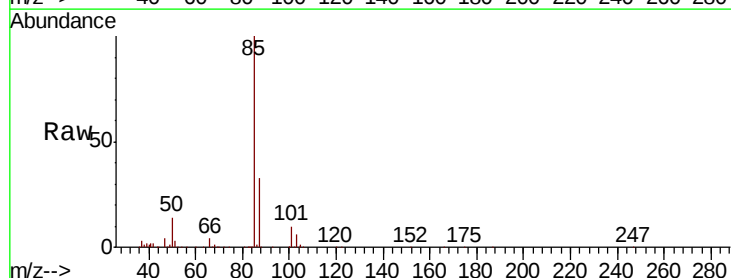
Acq: 13 Jun 2022 12:34

Tgt Ion: 85 Resp: 2675372

Ion Ratio Lower Upper

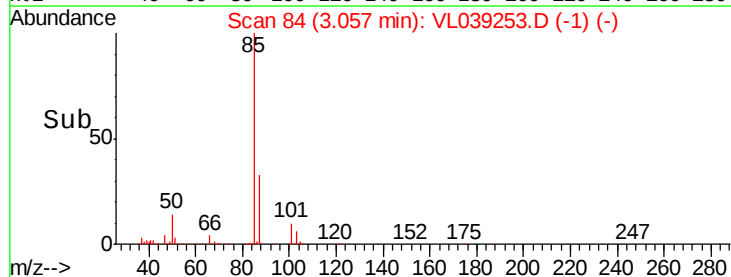
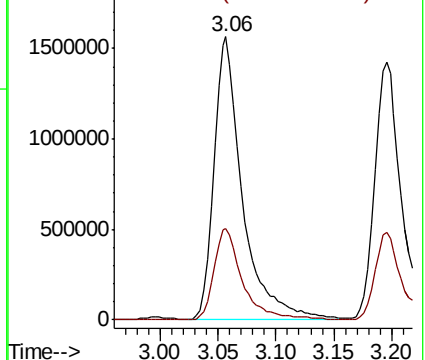
85 100

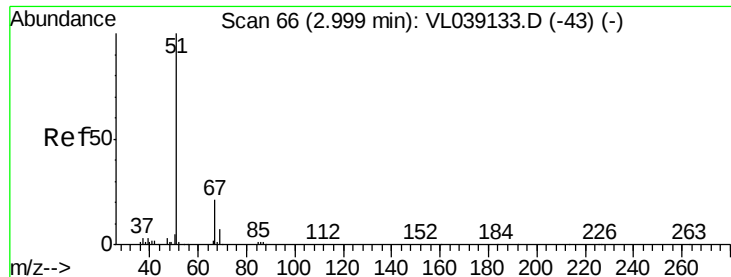
87 32.5 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.043 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

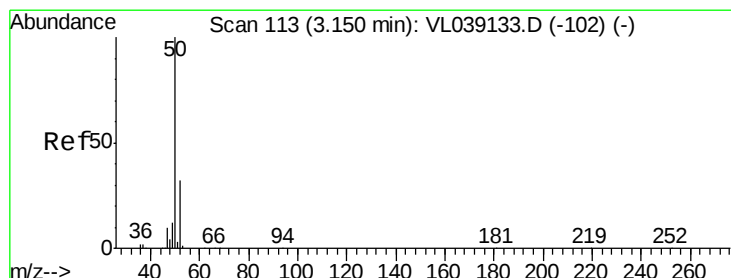
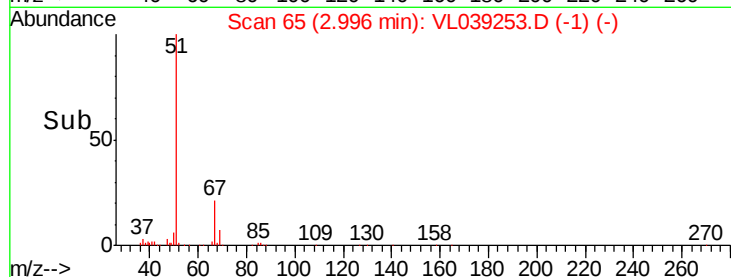
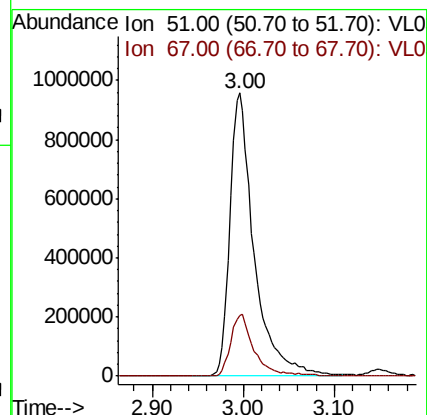
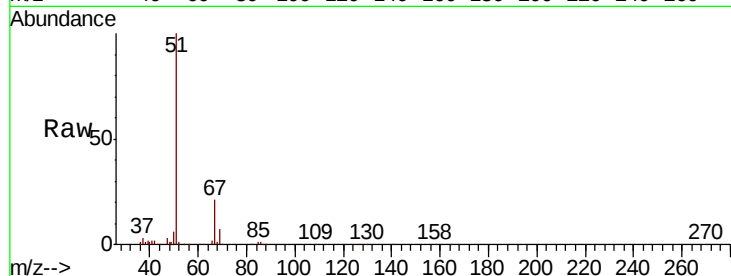
Acq: 13 Jun 2022 12:34 VSTDCCC010

Tot Ion: 51 Resp: 1769113

Ion Ratio Lower Upper

51 100

67 21.5 16.2 24.4



#4

Chloromethane

Concen: 9.908 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL039253.D

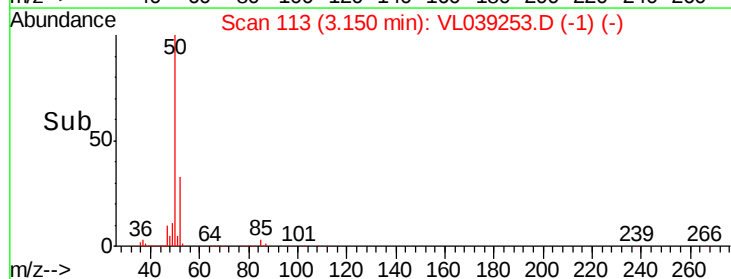
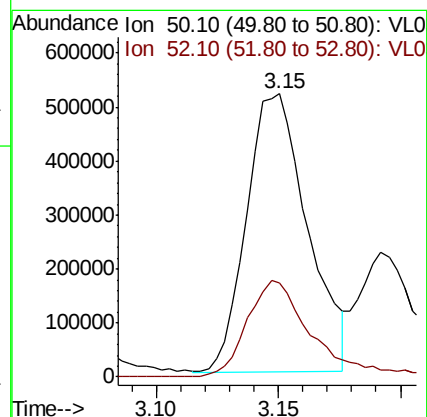
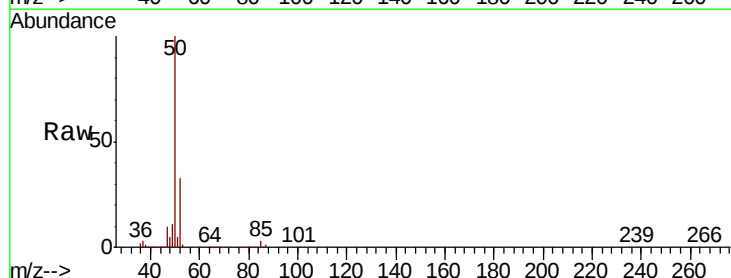
Acq: 13 Jun 2022 12:34

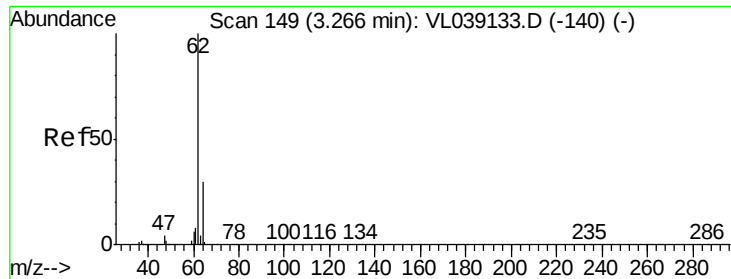
Tgt Ion: 50 Resp: 896510

Ion Ratio Lower Upper

50 100

52 33.5 25.9 38.9





#5

Vinyl Chloride

Concen: 10.947 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

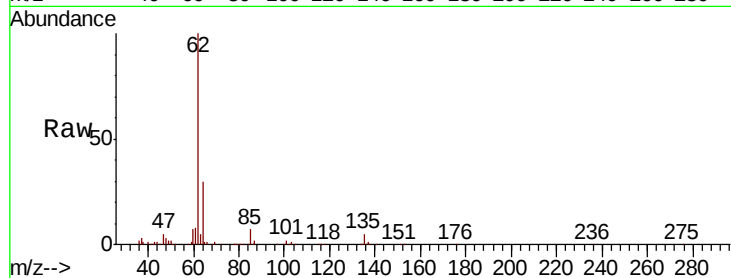
Acq: 13 Jun 2022 12:34 VSTDCCC010

Tot Ion: 62 Resp: 925967

Ion Ratio Lower Upper

62 100

64 30.5 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

500000

400000

300000

200000

100000

0

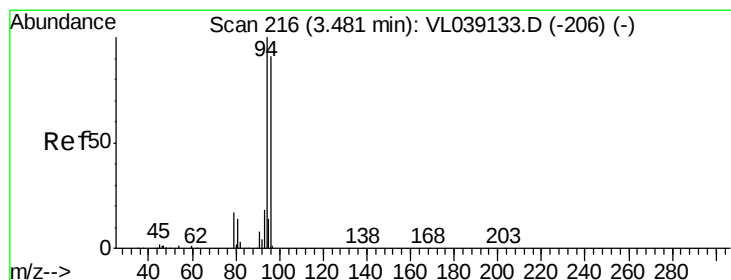
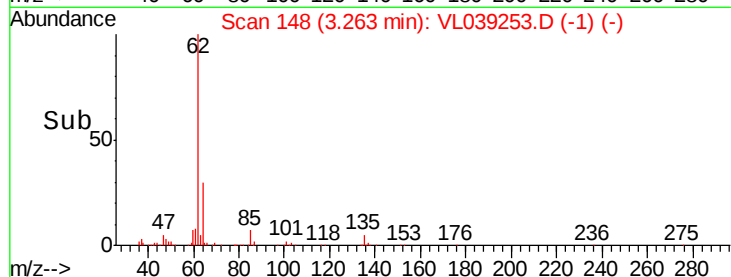
3.20

3.25

3.30

3.35

Time-->



#6

Bromomethane

Concen: 10.006 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL039253.D

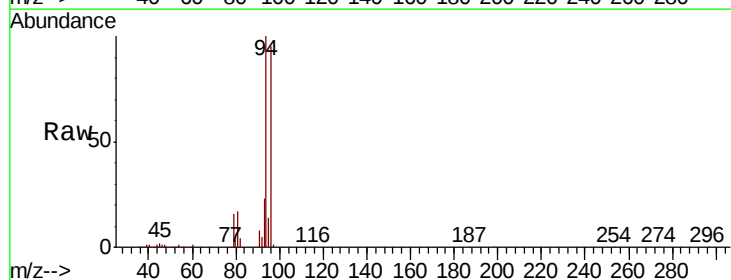
Acq: 13 Jun 2022 12:34

Tgt Ion: 94 Resp: 416327

Ion Ratio Lower Upper

94 100

96 95.2 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

150000

100000

50000

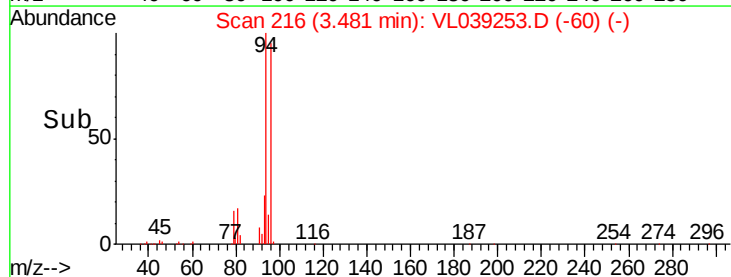
0

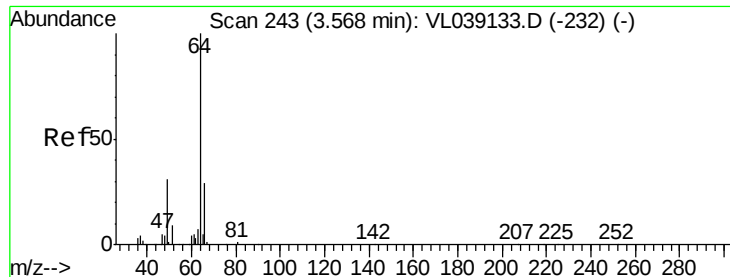
3.45

3.50

3.55

Time-->





#7

Chloroethane

Concen: 12.176 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

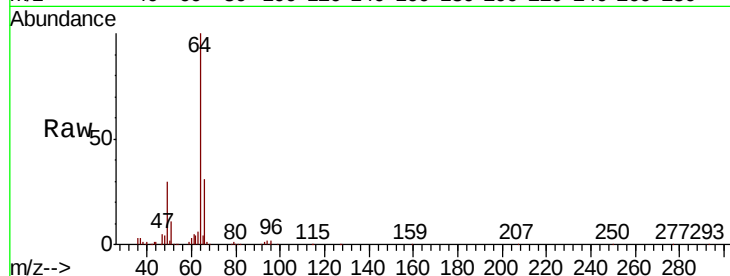
Acq: 13 Jun 2022 12:34 VSTDCCC010

Tot Ion: 64 Resp: 358855

Ion Ratio Lower Upper

64 100

66 31.0 23.6 35.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

200000

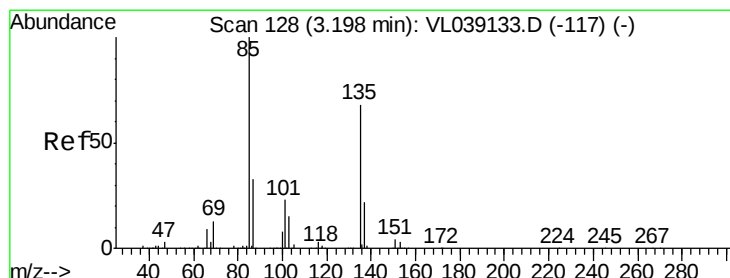
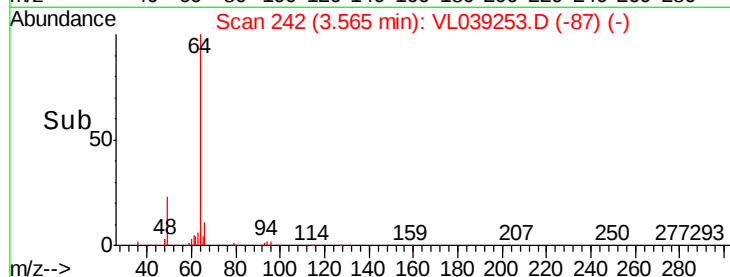
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.624 ppbv

RT: 3.20 min Scan# 127

Delta R.T. -0.00 min

Lab File: VL039253.D

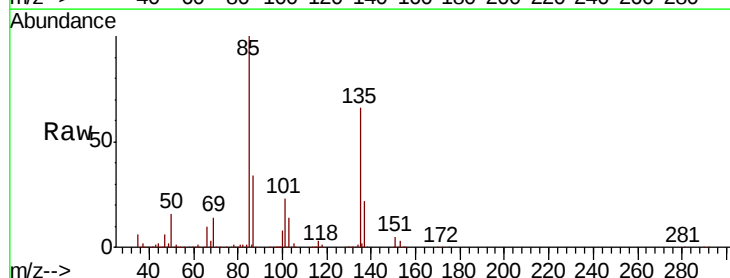
Acq: 13 Jun 2022 12:34

Tgt Ion: 85 Resp: 2361024

Ion Ratio Lower Upper

85 100

135 68.8 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

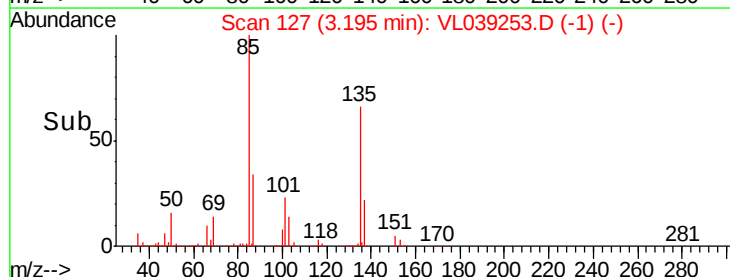
1500000

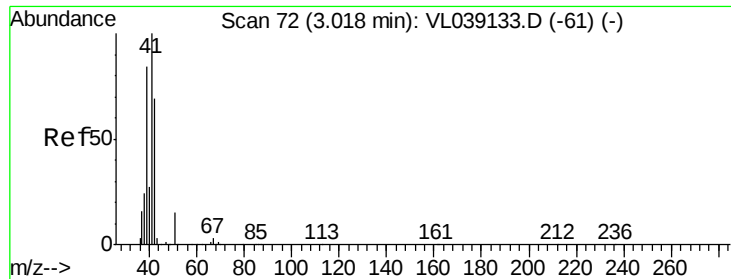
1000000

500000

0

Time-->





#9

Propene

Concen: 8.468 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010

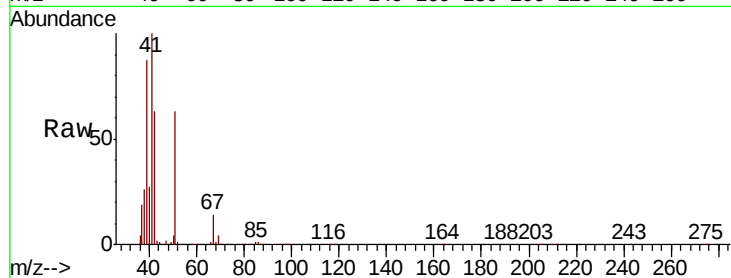
Acq: 13 Jun 2022 12:34

Tot Ion: 41 Resp: 650405

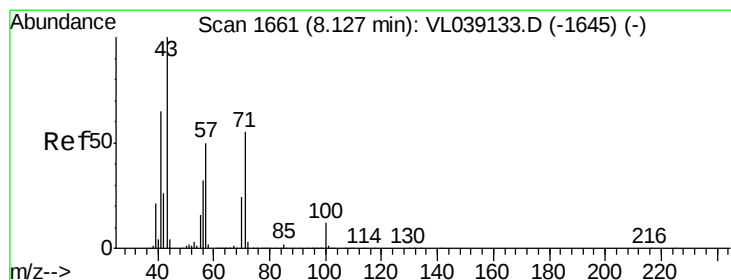
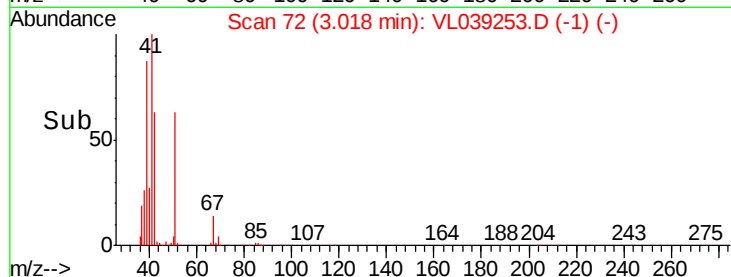
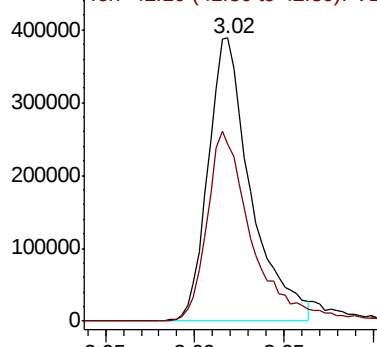
Ion Ratio Lower Upper

41 100

42 71.3 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: 8.542 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL039253.D

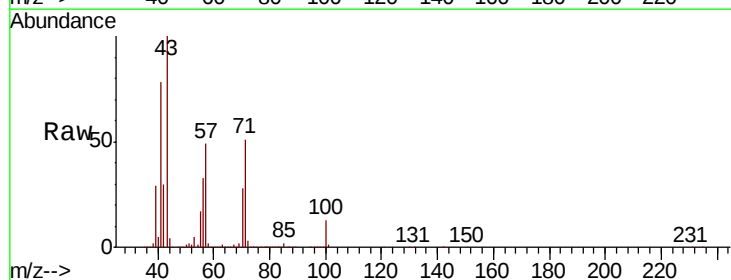
Acq: 13 Jun 2022 12:34

Tgt Ion: 43 Resp: 1530604

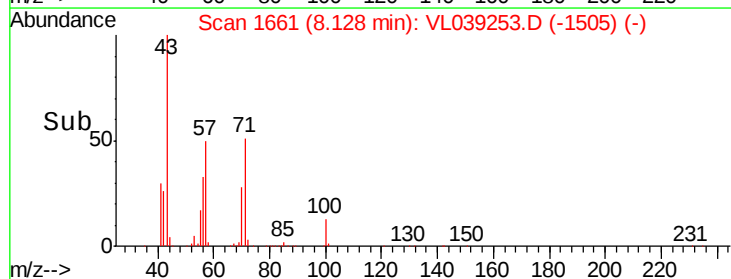
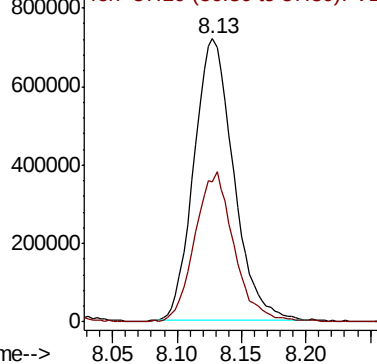
Ion Ratio Lower Upper

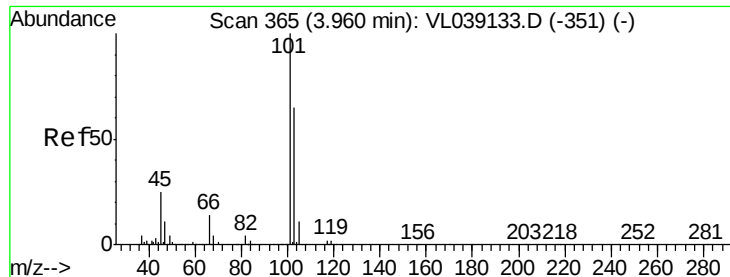
43 100

57 52.6 41.4 62.2



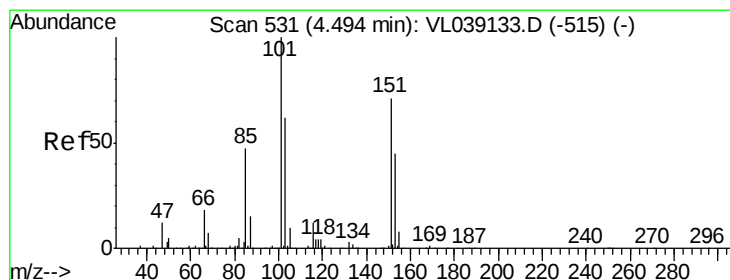
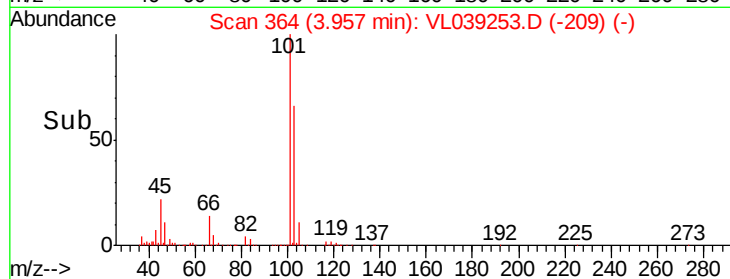
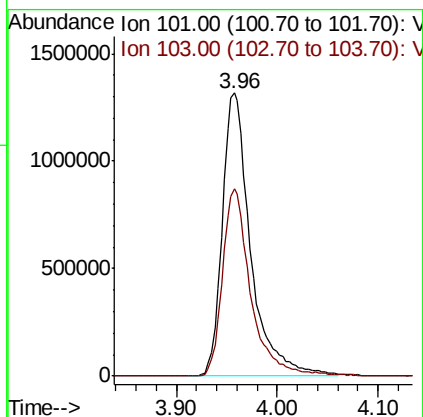
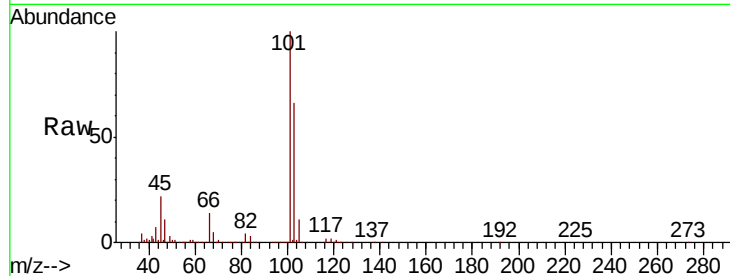
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





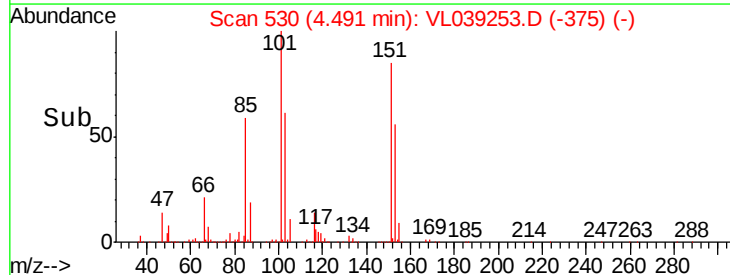
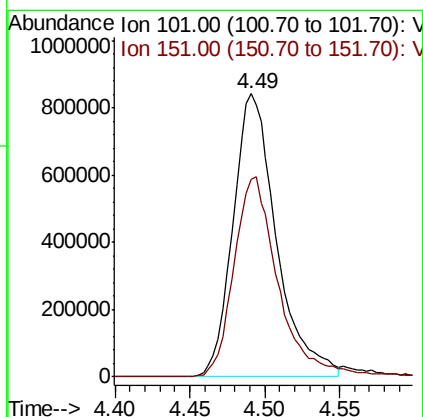
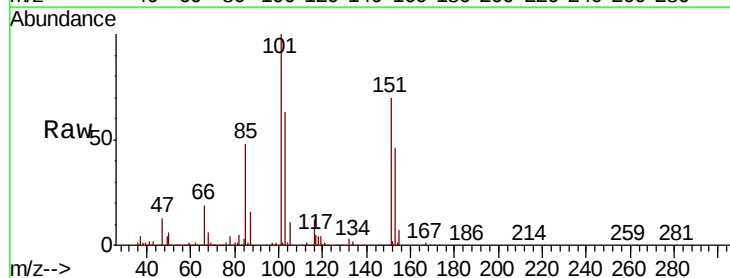
#11
 Trichlorofluoromethane
 Concen: 11.775 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

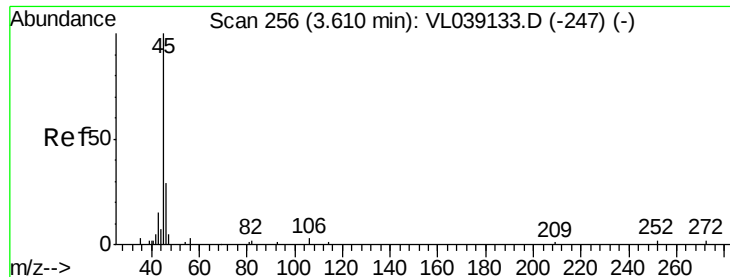
Tot Ion:101 Resp: 2591863
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.688 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T.: -0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

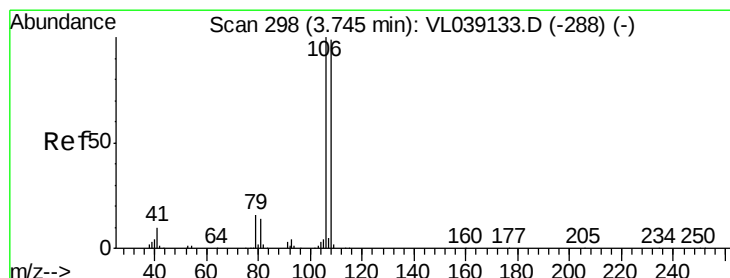
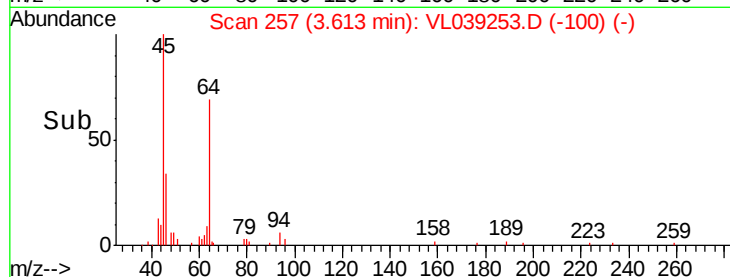
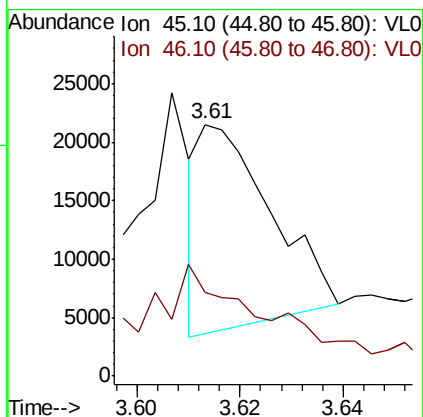
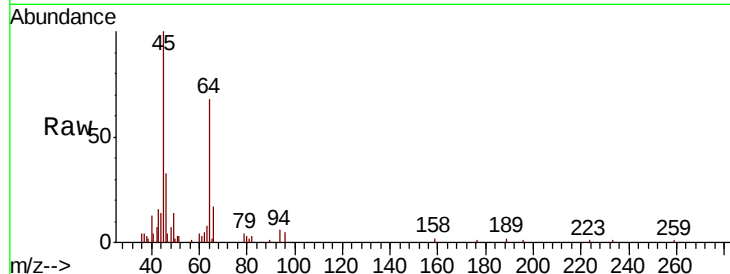
Tgt Ion:101 Resp: 1701311
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.4 89.0





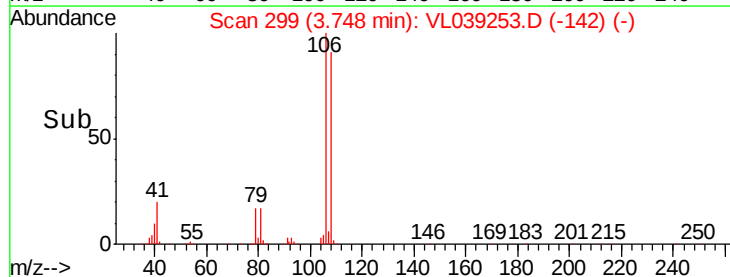
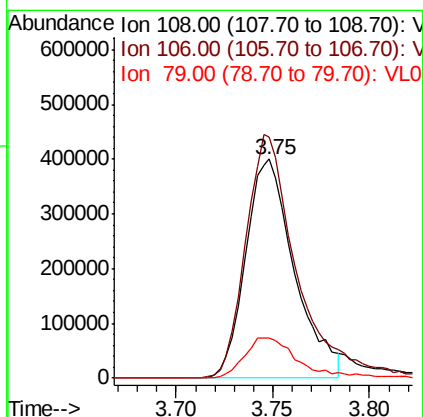
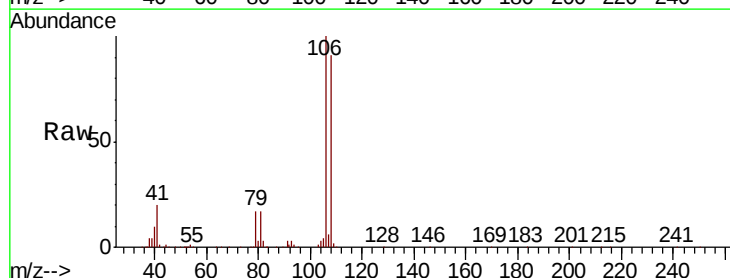
#13
Ethanol
Concen: 4.019 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Jun 2022 12:34

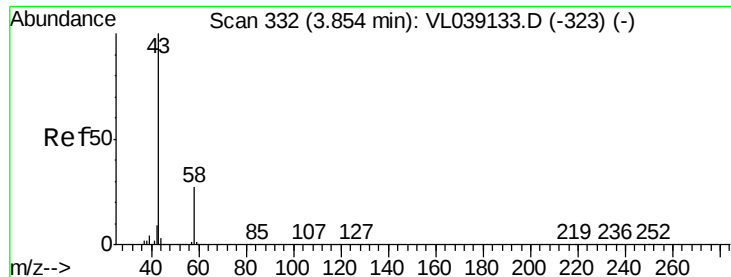
Tot Ion: 45 Resp: 16833
Ion Ratio Lower Upper
45 100
46 130.3 0.0 0.0#



#14
Bromoethene
Concen: 10.725 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL039253.D
Acq: 13 Jun 2022 12:34

Tgt Ion: 108 Resp: 701819
Ion Ratio Lower Upper
108 100
106 119.0 88.4 132.6
79 20.6 13.4 20.2#





#15

Acetone

Concen: 11.122 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

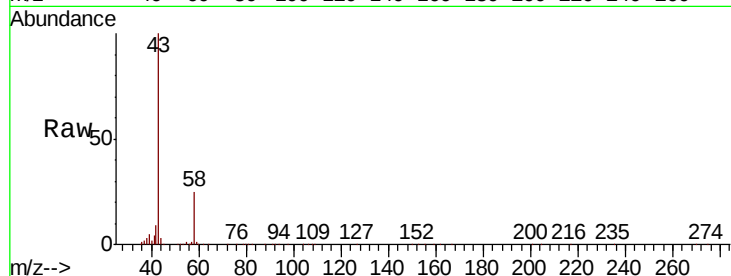
Acq: 13 Jun 2022 12:34 VSTDCCC010

Tot Ion: 43 Resp: 1603888

Ion Ratio Lower Upper

43 100

58 26.8 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

600000

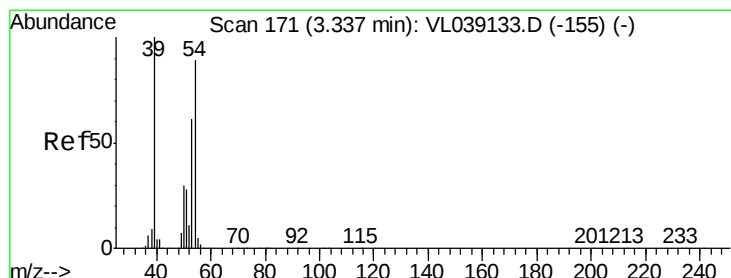
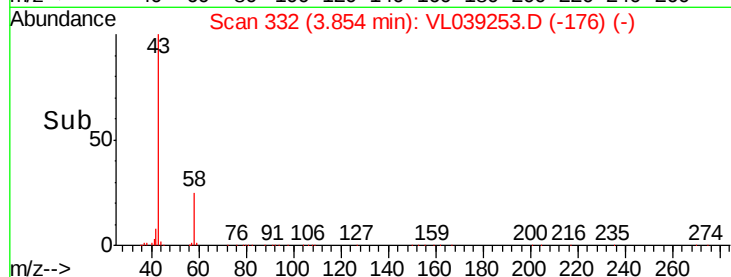
400000

200000

0

Time-->

3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 11.090 ppbv

RT: 3.33 min Scan# 170

Delta R.T. -0.00 min

Lab File: VL039253.D

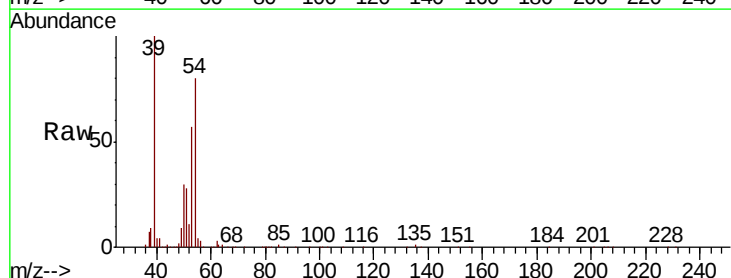
Acq: 13 Jun 2022 12:34

Tgt Ion: 39 Resp: 859754

Ion Ratio Lower Upper

39 100

54 82.8 65.8 98.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

500000

400000

300000

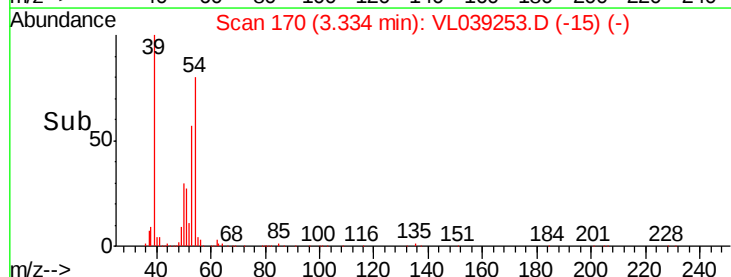
200000

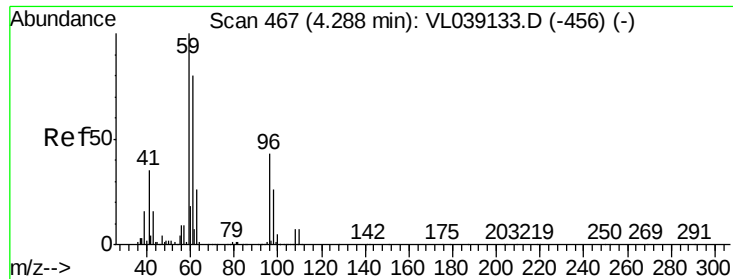
100000

0

Time-->

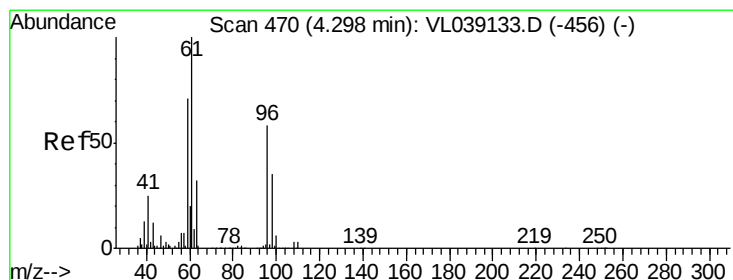
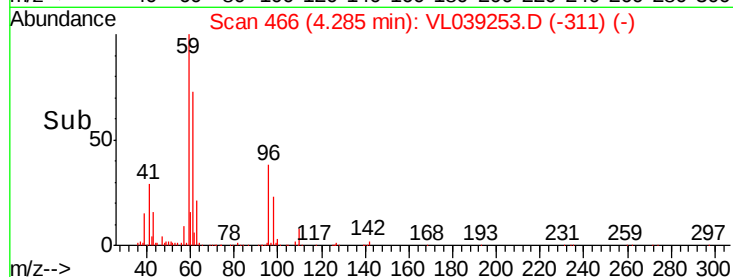
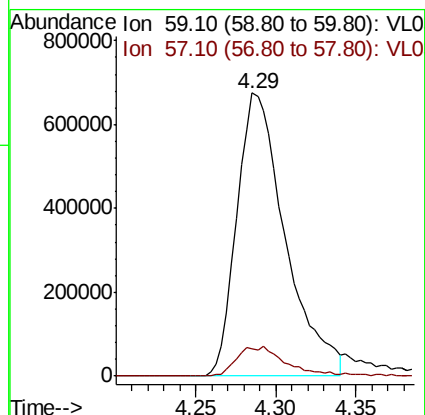
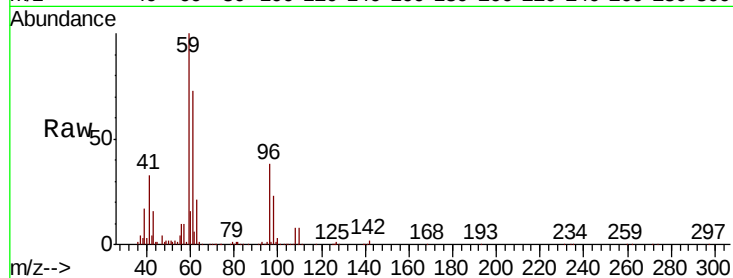
3.25 3.30 3.35 3.40





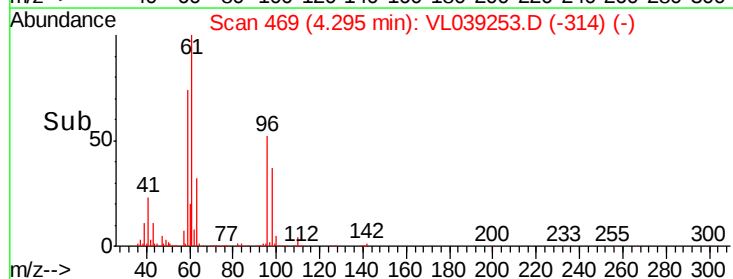
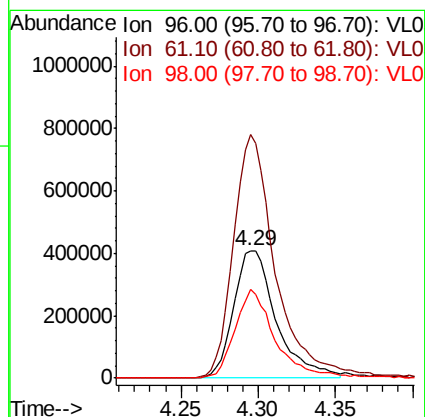
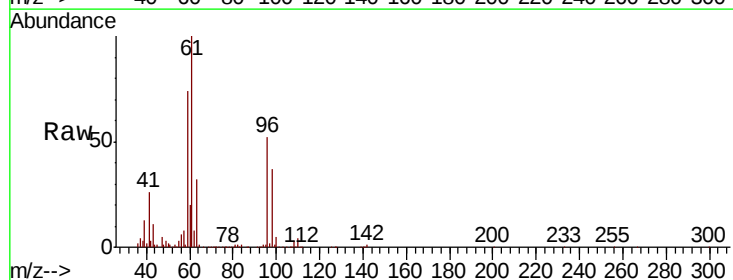
#17
 tert-Butyl alcohol
 Concen: 12.492 ppbv
 RT: 4.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

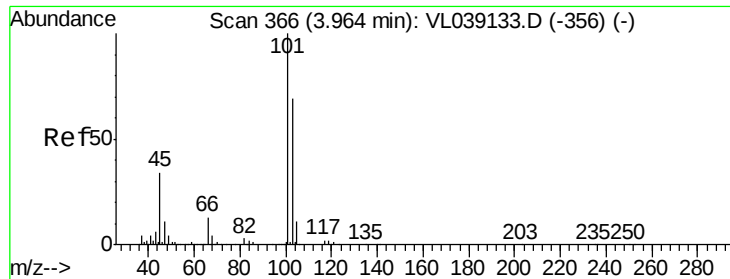
Tot Ion: 59 Resp: 1397267
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.1 13.7



#18
 1,1-Dichloroethene
 Concen: 11.940 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T.: -0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

Tgt Ion: 96 Resp: 779676
 Ion Ratio Lower Upper
 96 100
 61 191.0 138.4 207.6
 98 69.8 47.8 71.8





#19

Isopropyl Alcohol

Concen: 12.176 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

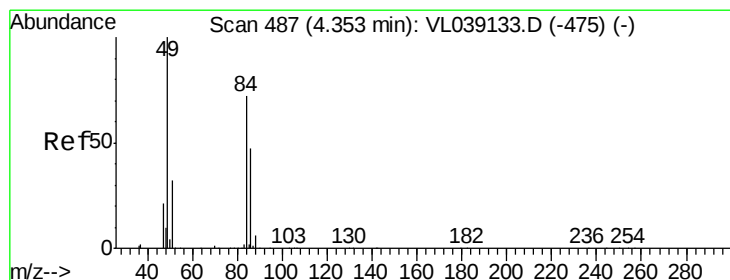
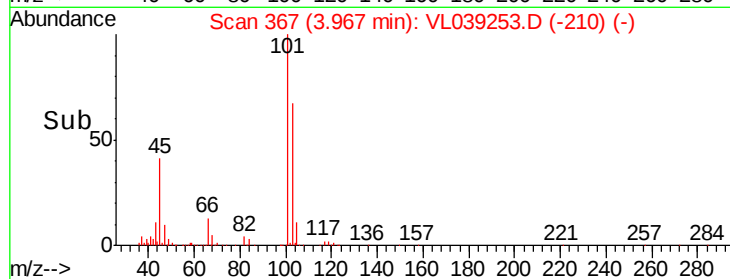
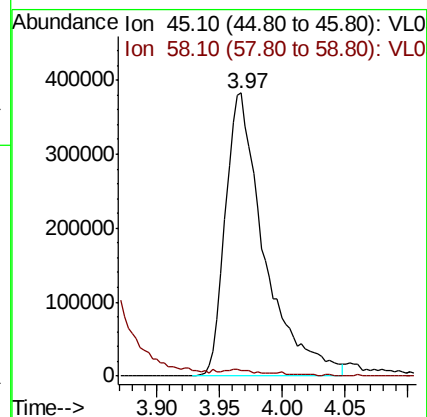
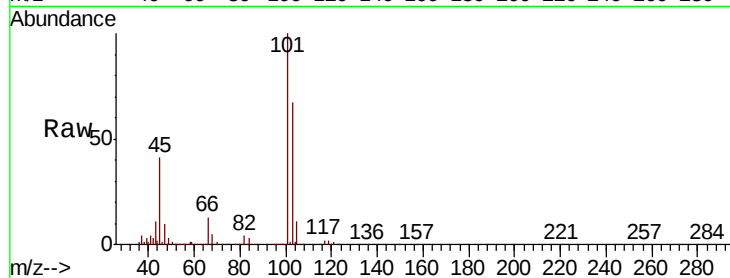
Acq: 13 Jun 2022 12:34 VSTDCCC010

Tot Ion: 45 Resp: 823583

Ion Ratio Lower Upper

45 100

58 3.1 1.8 2.8#



#20

Methylene Chloride

Concen: 10.482 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL039253.D

Acq: 13 Jun 2022 12:34

Tgt Ion: 84 Resp: 637045

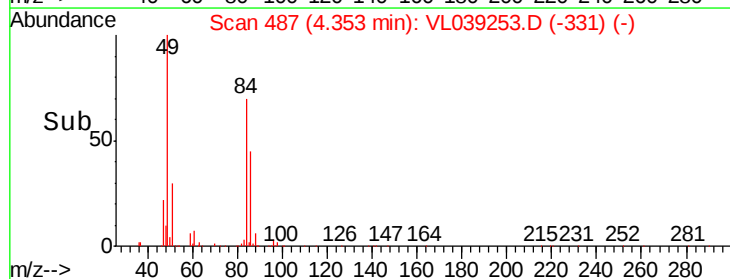
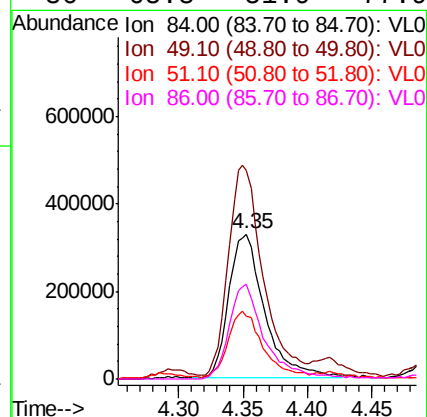
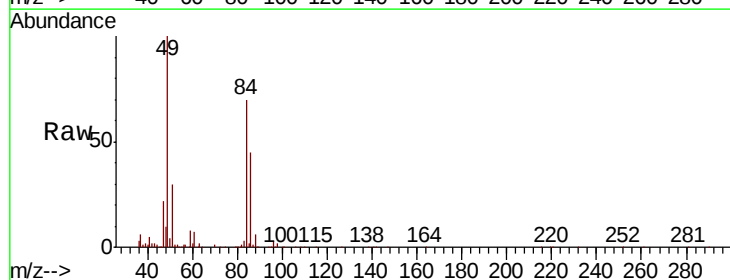
Ion Ratio Lower Upper

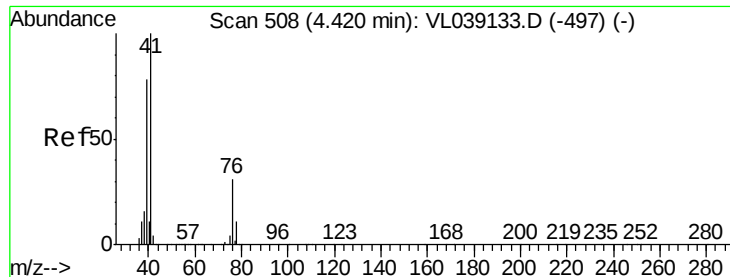
84 100

49 141.2 111.1 166.7

51 42.4 35.3 52.9

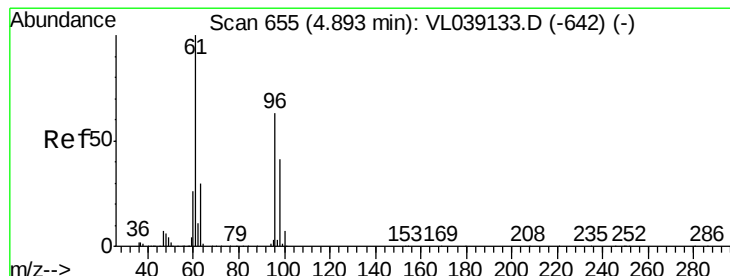
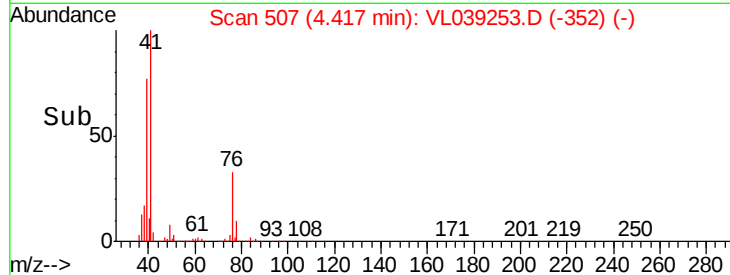
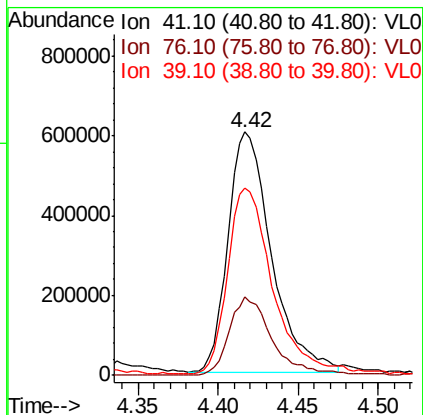
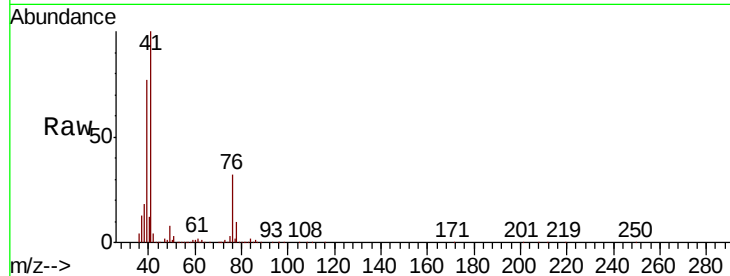
86 65.8 51.9 77.9





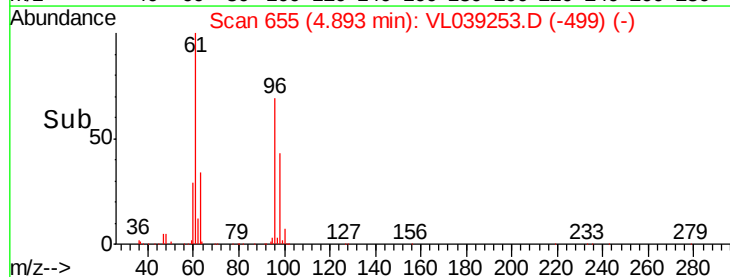
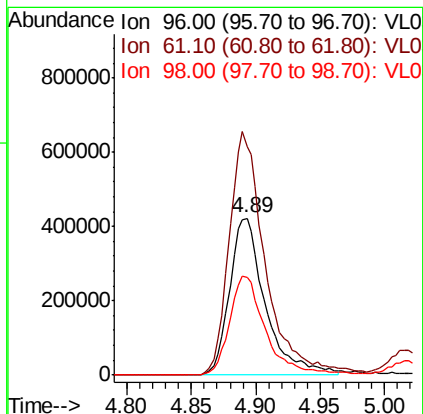
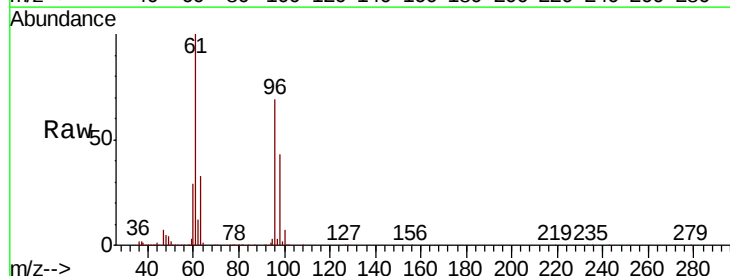
#21
 Allvl Chloride
 Concen: 11.507 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

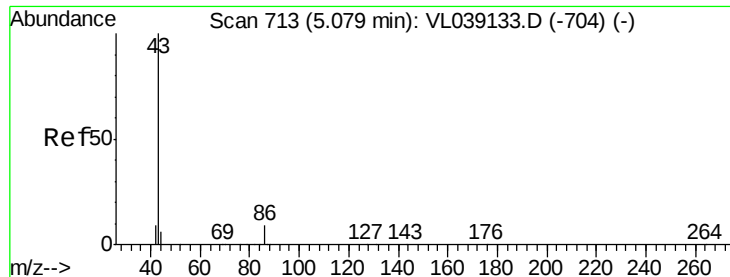
Tot Ion: 41 Resp: 1119435
 Ion Ratio Lower Upper
 41 100
 76 32.3 24.2 36.2
 39 81.7 62.2 93.2



#22
 trans-1,2-Dichloroethene
 Concen: 12.982 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

Tgt Ion: 96 Resp: 815605
 Ion Ratio Lower Upper
 96 100
 61 145.7 126.6 190.0
 98 62.3 52.5 78.7





#23

Vinyl Acetate

Concen: 11.074 ppbv

RT: 5.08 Instrument: MSVOA_1

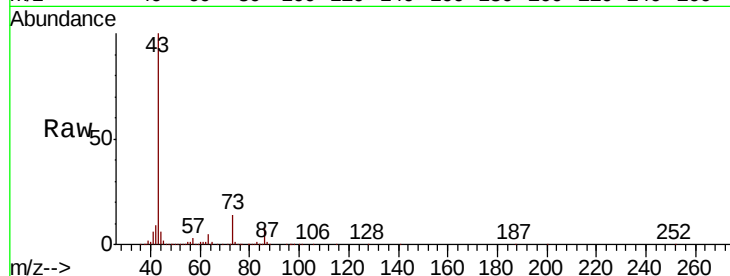
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

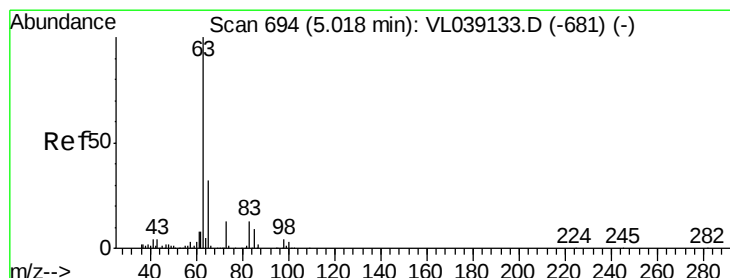
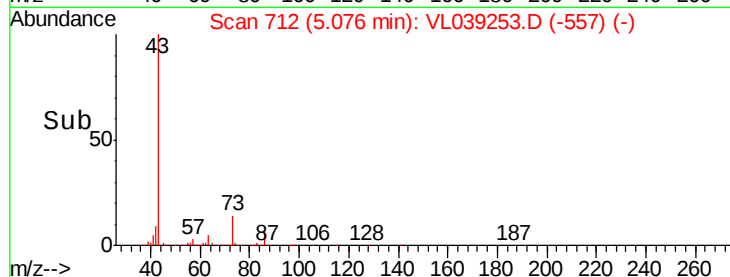
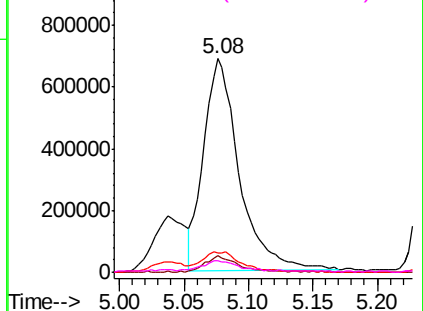
Acq: 13 Jun 2022 12:34

Tot Ion: 43 Resp: 1321329

Ion	Ratio	Lower	Upper
43	100		
86	7.5	6.0	9.0
42	9.3	8.2	12.4
44	5.1	4.3	6.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.516 ppbv

RT: 5.02 min Scan# 693

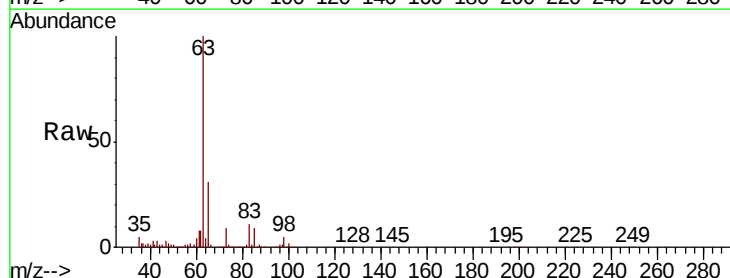
Delta R.T. -0.00 min

Lab File: VL039253.D

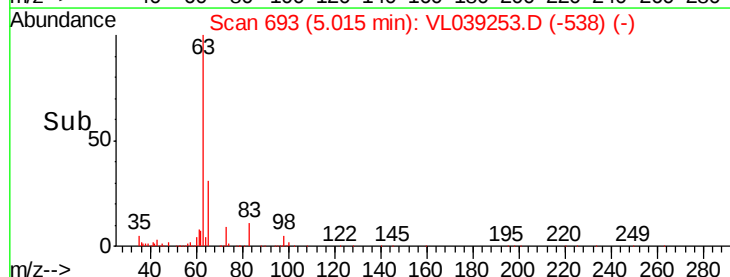
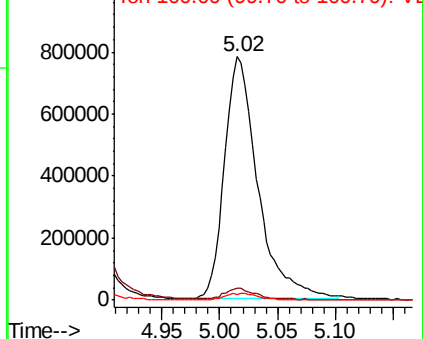
Acq: 13 Jun 2022 12:34

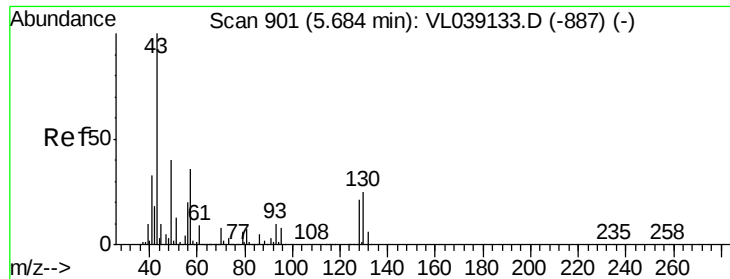
Tgt Ion: 63 Resp: 1555633

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.1	6.2
100	2.2	1.5	4.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0

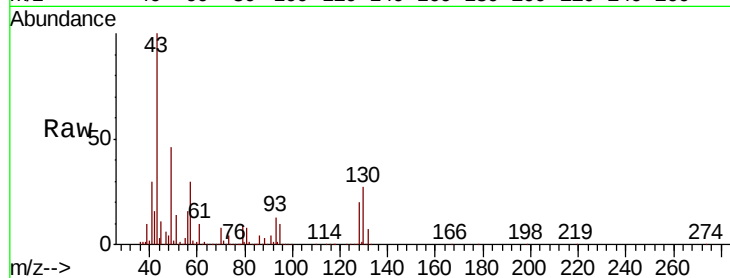




#25
Ethyl Acetate
Concen: 9.296 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Jun 2022 12:34

Tot Ion: 43 Resp: 3021325

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	10.0	8.4	12.6
70	6.6	5.6	8.4



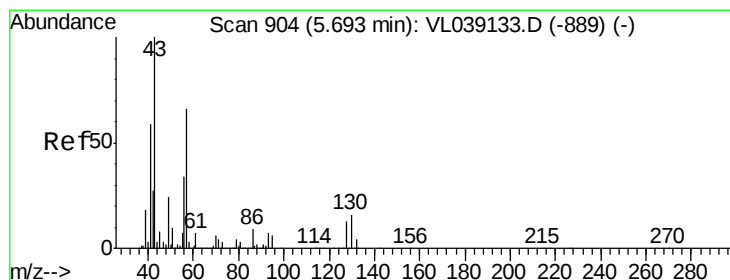
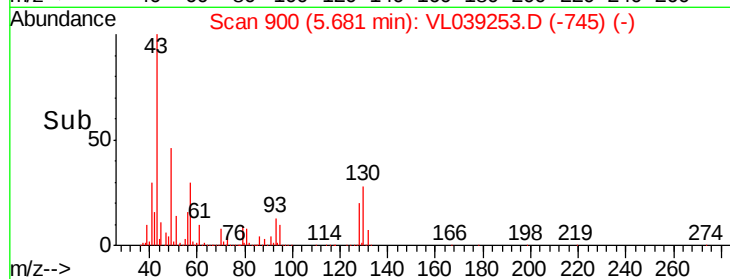
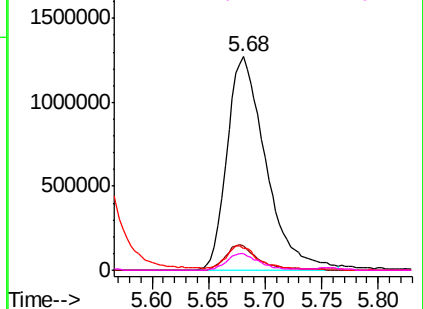
Abundance

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

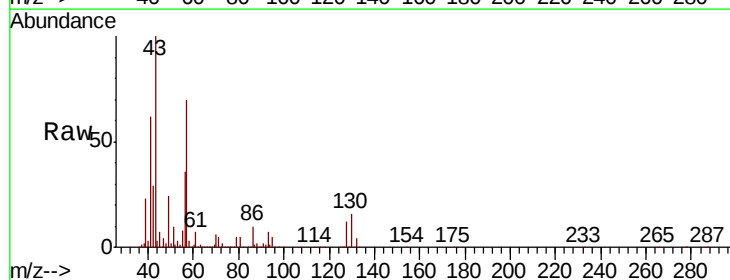
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 8.941 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL039253.D
Acq: 13 Jun 2022 12:34

Tgt Ion: 57 Resp: 1277080

Ion	Ratio	Lower	Upper
57	100		
41	97.8	72.4	108.6
43	242.3	187.0	280.6
56	53.8	41.8	62.6



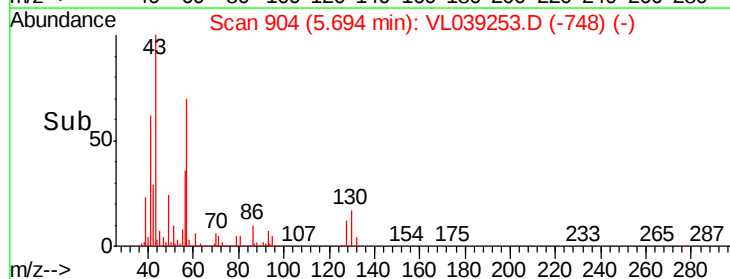
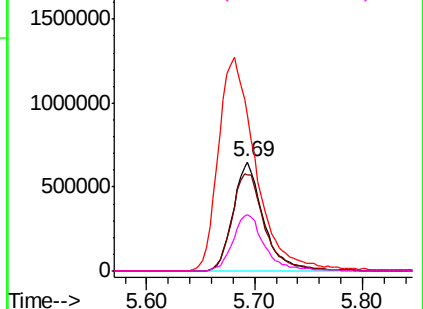
Abundance

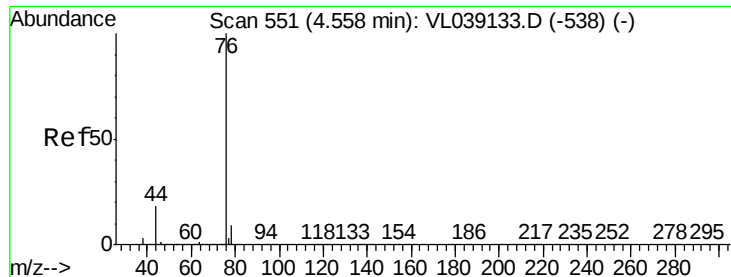
Ion 57.10 (56.80 to 57.80): VL0

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

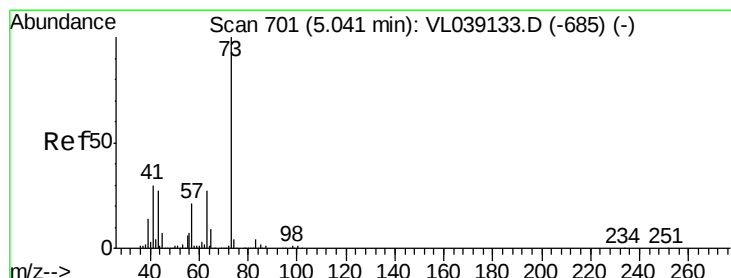
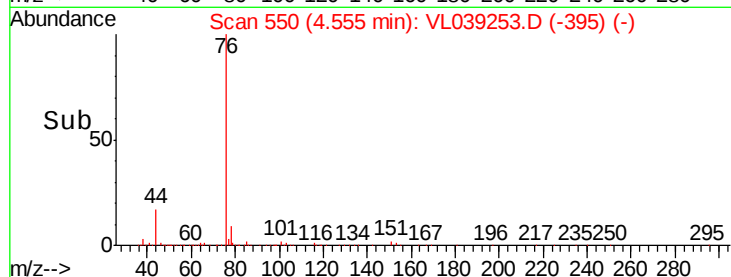
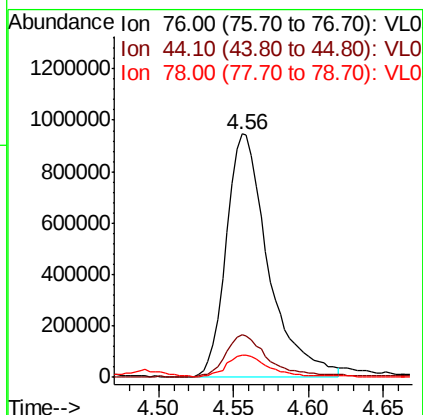
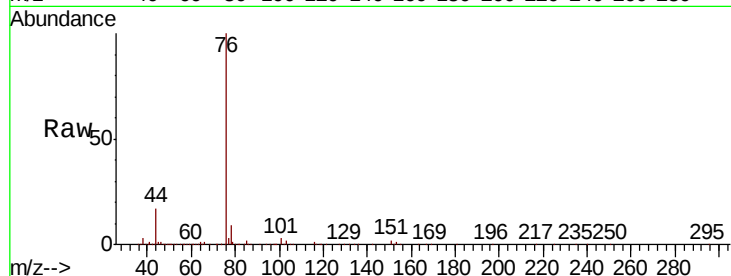




#27
Carbon Disulfide
Concen: 12.419 ppbv
RT: 4.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Jun 2022 12:34

Tot Ion: 76 Resp: 1838552

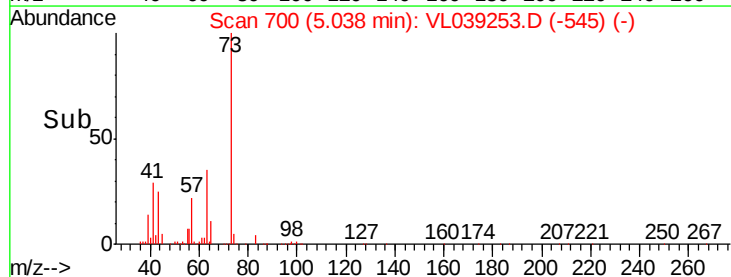
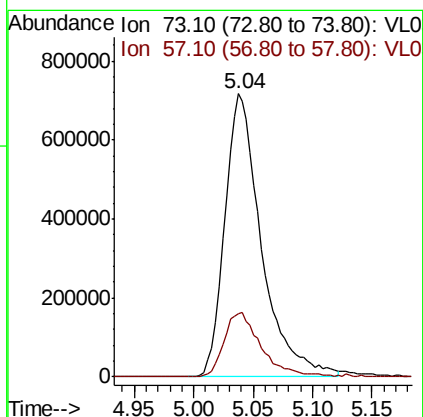
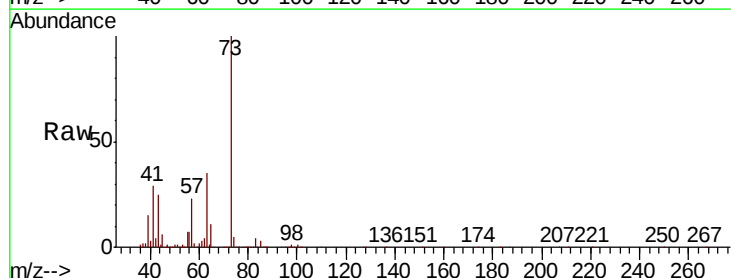
Ion	Ratio	Lower	Upper
76	100		
44	18.0	14.4	21.6
78	10.0	7.7	11.5

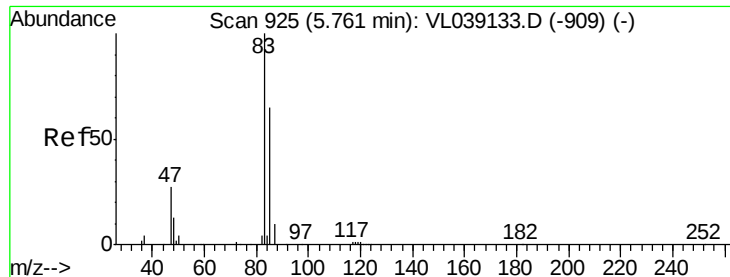


#28
Methyl tert-Butyl Ether
Concen: 9.670 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.00 min
Lab File: VL039253.D
Acq: 13 Jun 2022 12:34

Tgt Ion: 73 Resp: 1524892

Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.6	27.8





#29

Chloroform

Concen: 9.643 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

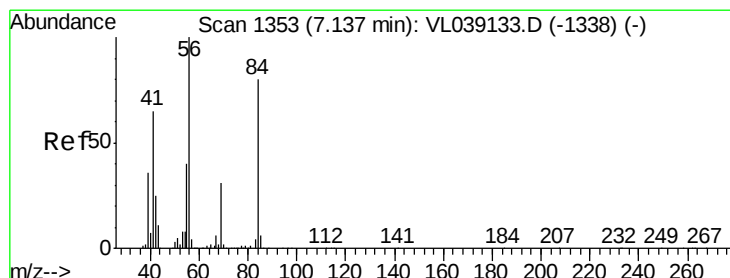
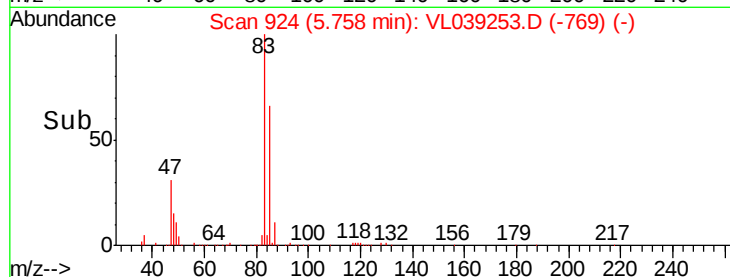
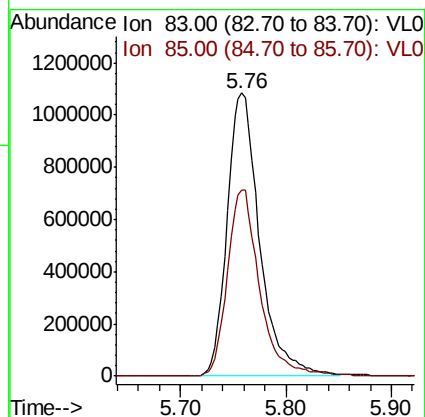
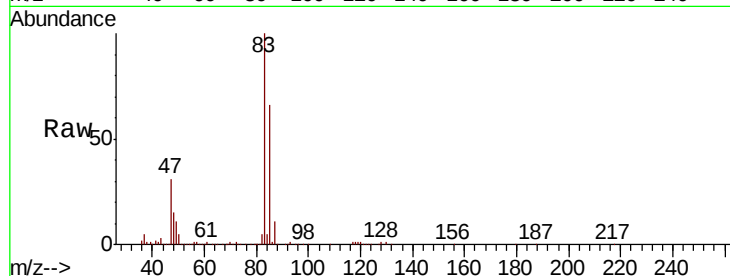
Acq: 13 Jun 2022 12:34

Tot Ion: 83 Resp: 2317735

Ion Ratio Lower Upper

83 100

85 65.8 52.4 78.6



#30

Cyclohexane

Concen: 8.483 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.00 min

Lab File: VL039253.D

Acq: 13 Jun 2022 12:34

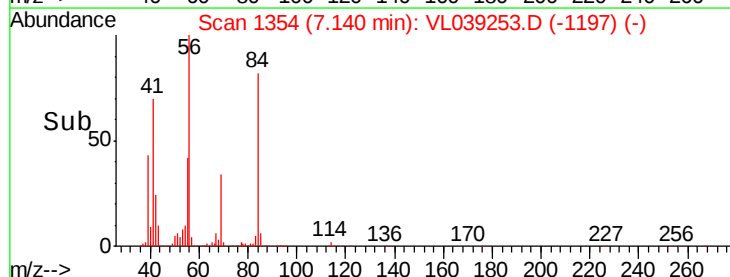
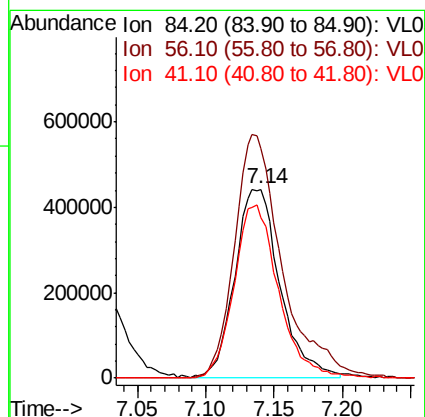
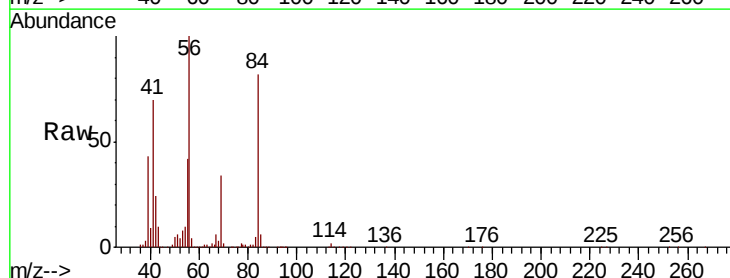
Tgt Ion: 84 Resp: 1017860

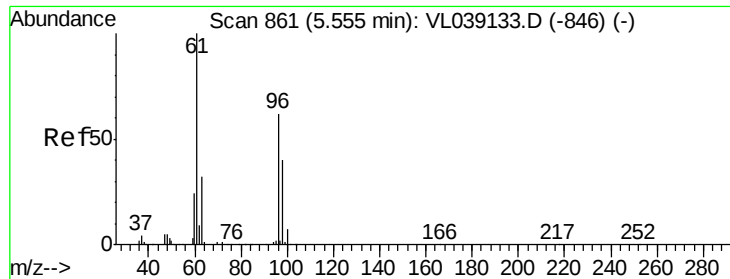
Ion Ratio Lower Upper

84 100

56 137.2 110.6 165.8

41 90.6 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 9.766 ppbv

RT: 5.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 13 Jun 2022 12:34

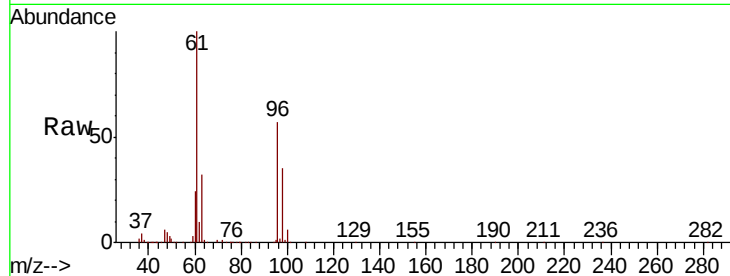
Tot Ion: 61 Resp: 1422373

Ion	Ratio	Lower	Upper
61	100		
96	57.3	49.9	74.9
98	35.4	32.0	48.0

61 100

96 57.3 49.9 74.9

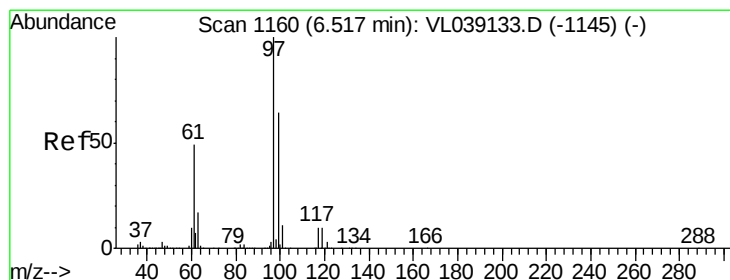
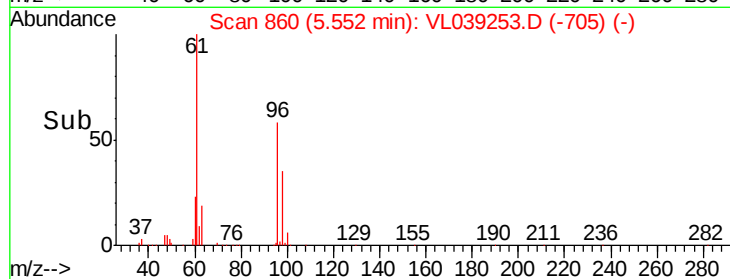
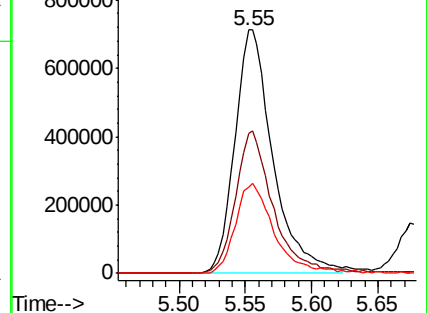
98 35.4 32.0 48.0



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.495 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VL039253.D

Acq: 13 Jun 2022 12:34

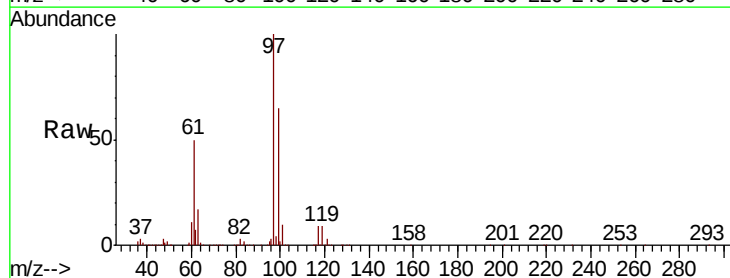
Tgt Ion: 97 Resp: 2468397

Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.1	78.1
61	51.4	40.0	60.0

97 100

99 64.9 52.1 78.1

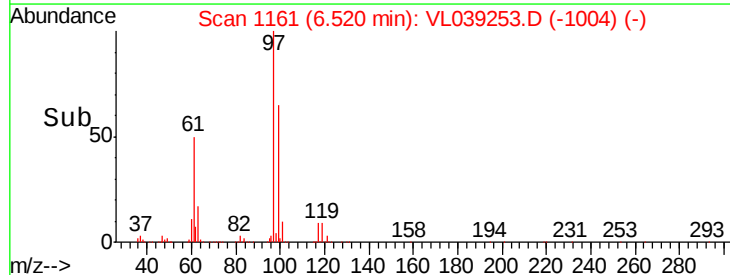
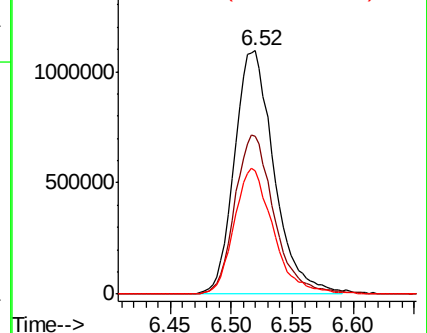
61 51.4 40.0 60.0

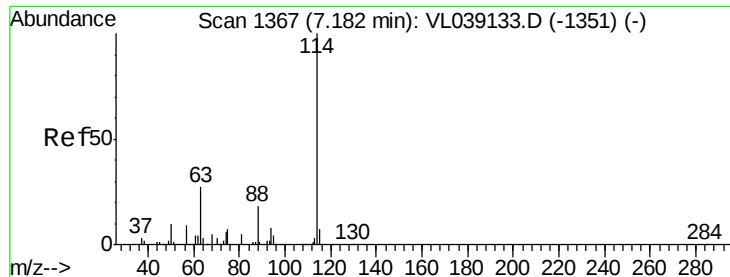


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

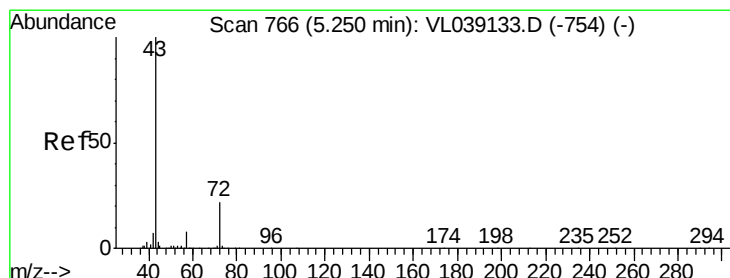
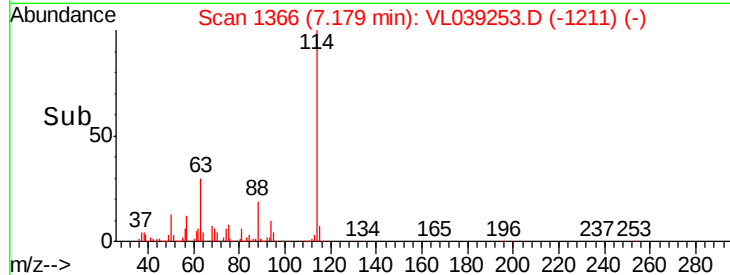
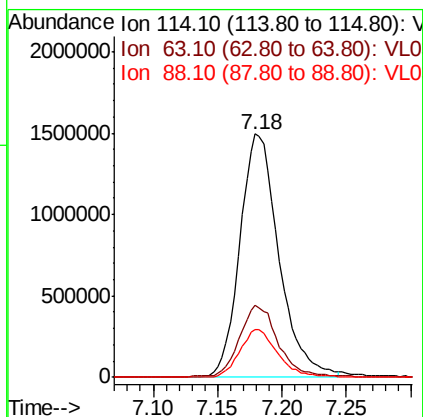
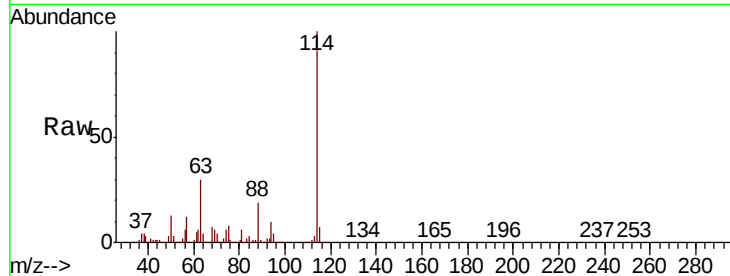
Ion 61.10 (60.80 to 61.80): VL0





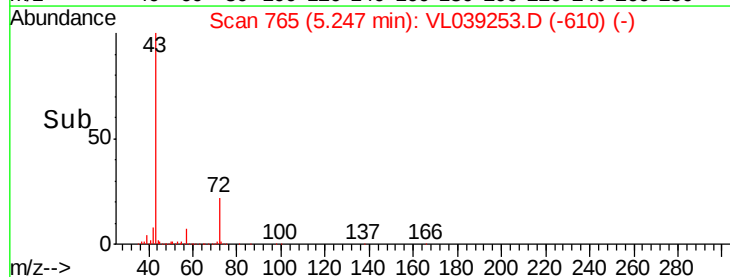
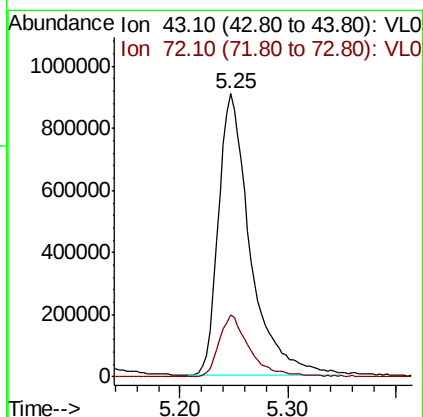
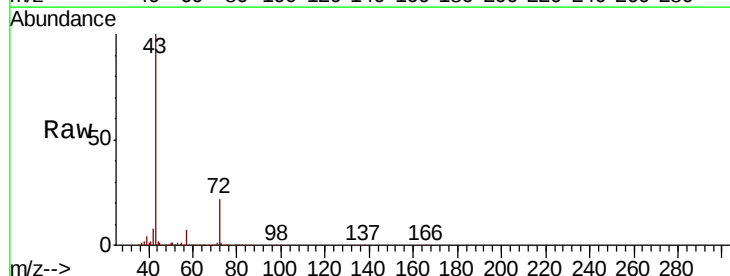
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

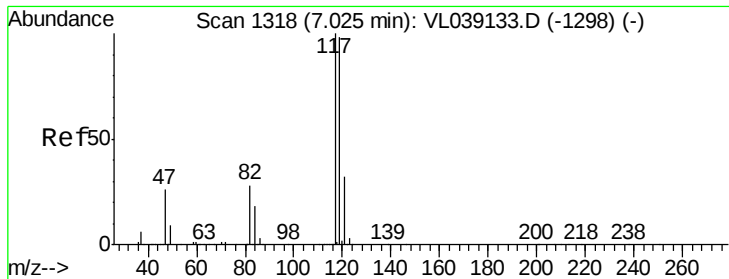
Tot Ion:114 Resp: 3154796
 Ion Ratio Lower Upper
 114 100
 63 29.7 21.7 32.5
 88 19.5 14.8 22.2



#34
 2-Butanone
 Concen: 10.808 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

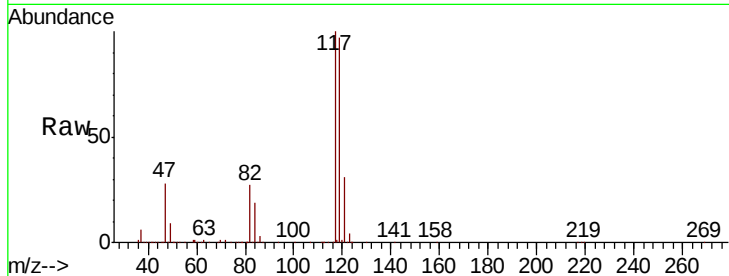
Tgt Ion: 43 Resp: 1852415
 Ion Ratio Lower Upper
 43 100
 72 22.0 18.2 27.2



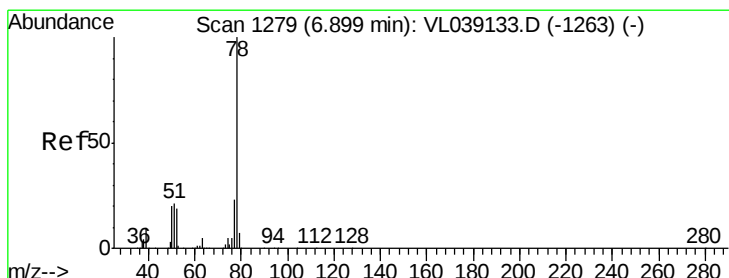
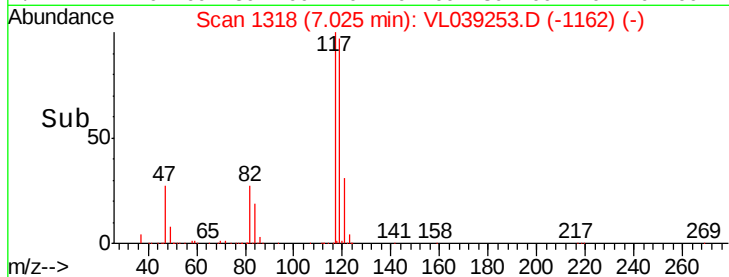
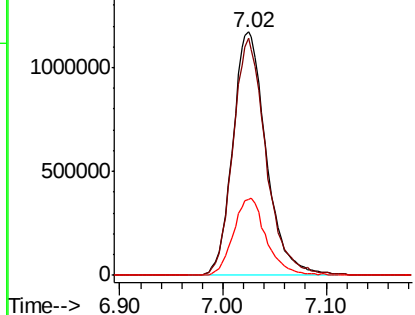


#35
Carbon Tetrachloride
Concen: 11.481 ppbv
RT: 7.02
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Jun 2022 12:34

Tot Ion: 117 Resp: 2643623
Ion Ratio Lower Upper
117 100
119 97.4 78.6 118.0
121 31.1 25.4 38.0

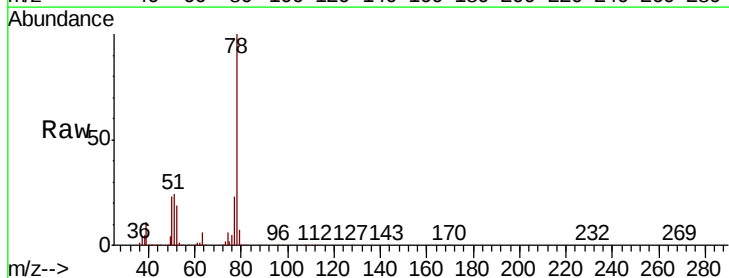


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

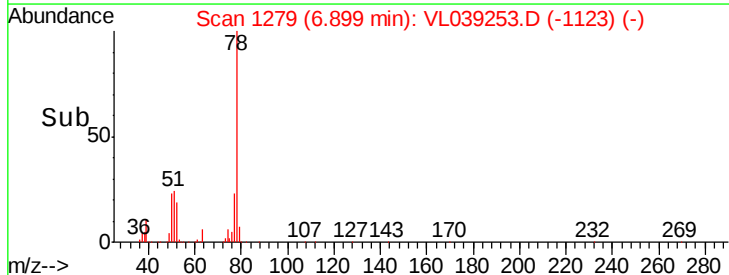
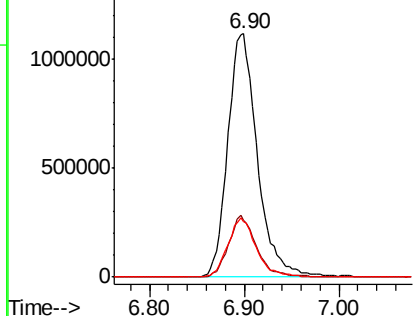


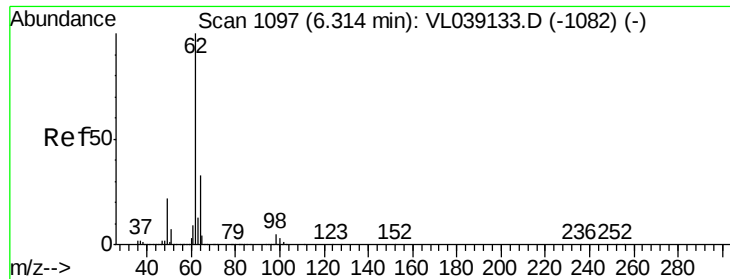
#36
Benzene
Concen: 9.492 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL039253.D
Acq: 13 Jun 2022 12:34

Tgt Ion: 78 Resp: 2431099
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8
50 22.7 15.8 23.8



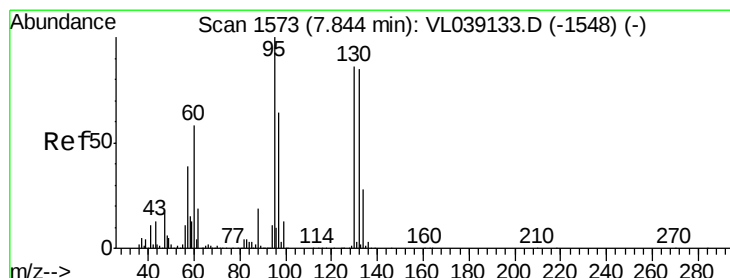
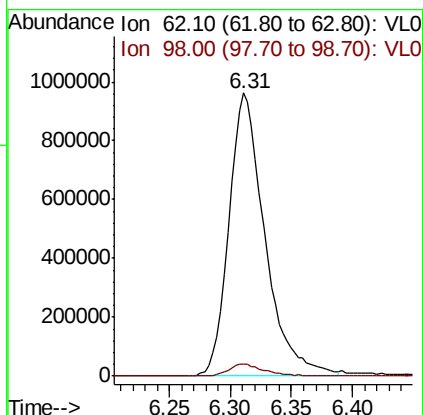
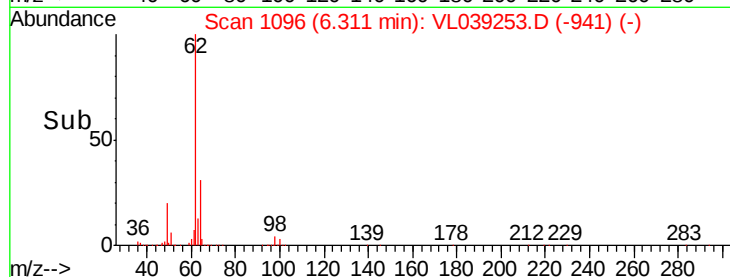
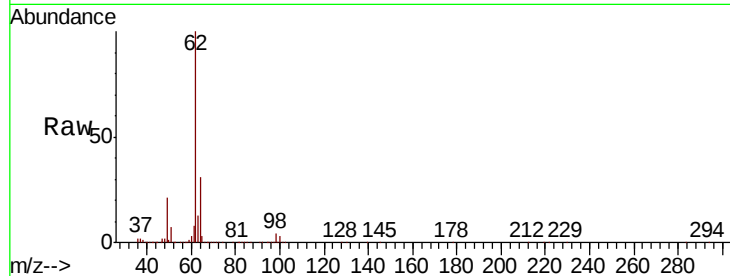
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





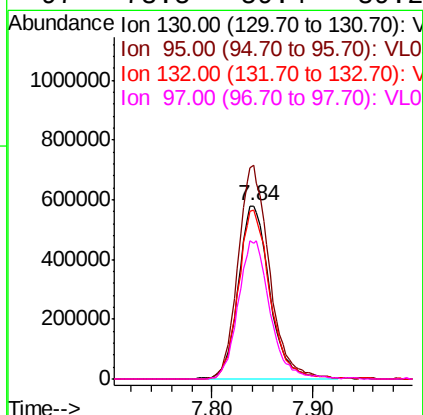
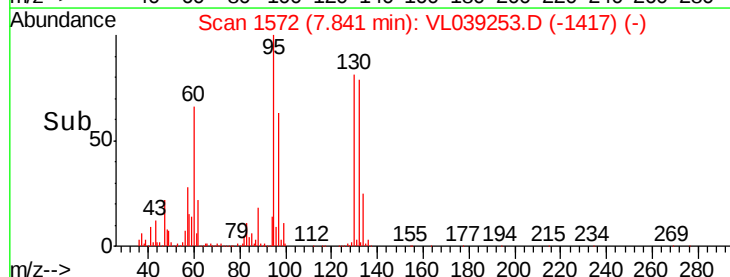
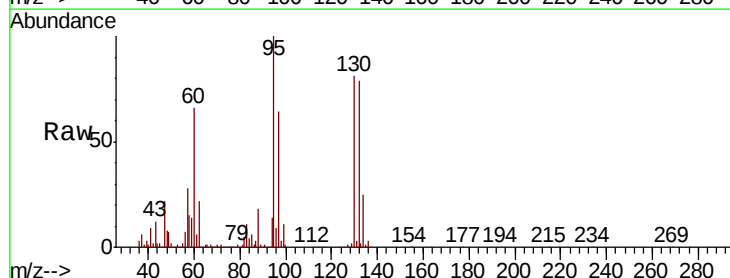
#37
 1,2-Dichloroethane
 Concen: 11.729 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

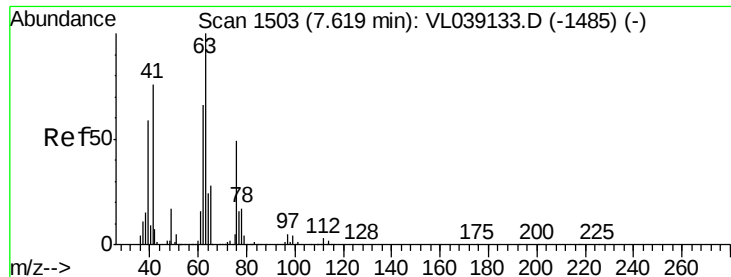
Tot Ion: 62 Resp: 1977118
 Ion Ratio Lower Upper
 62 100
 98 4.4 4.3 6.5



#38
 Trichloroethene
 Concen: 10.553 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

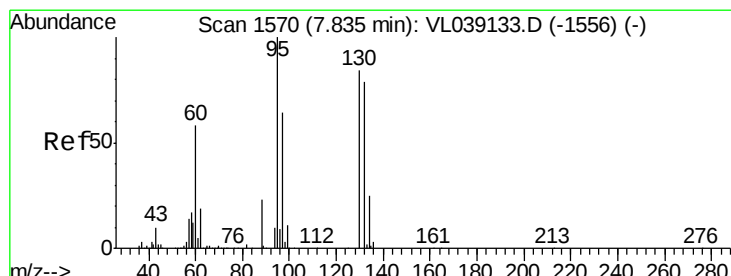
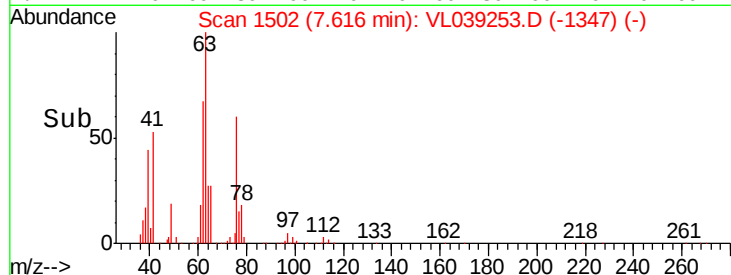
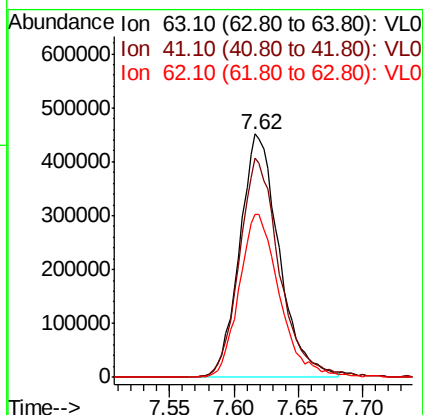
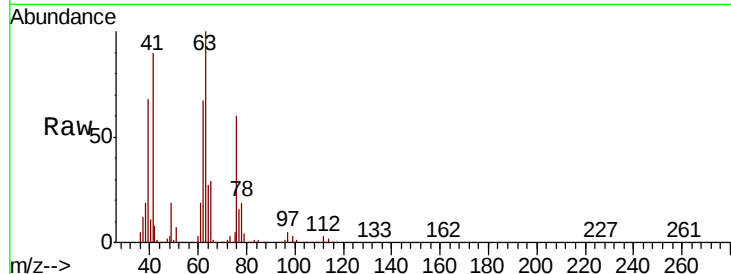
Tgt Ion:130 Resp: 1241459
 Ion Ratio Lower Upper
 130 100
 95 123.6 93.3 139.9
 132 97.9 79.0 118.4
 97 78.5 59.4 89.2





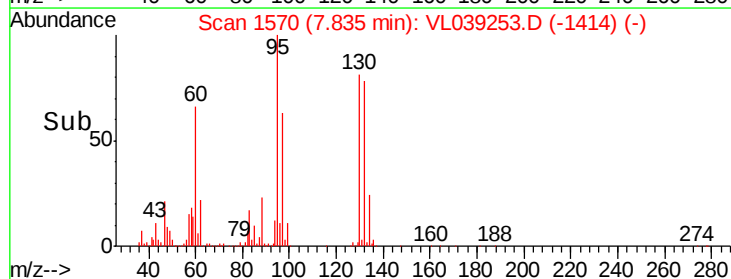
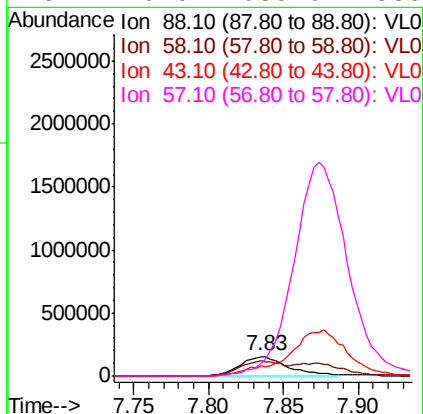
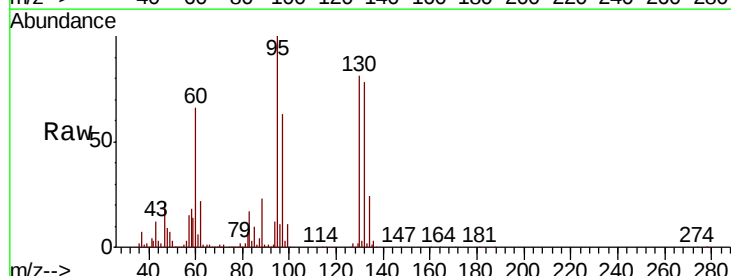
#39
 1,2-Dichloropropane
 Concen: 9.436 ppbv
 RT: 7.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

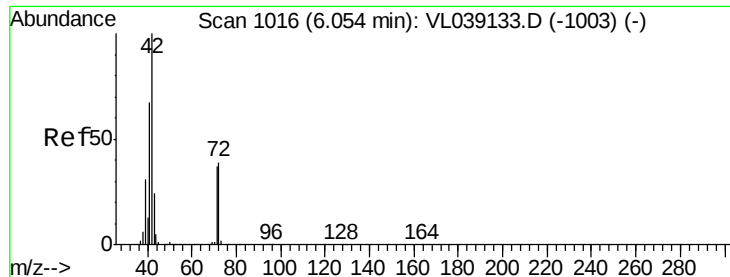
Tot Ion	Ratio	Lower	Upper
63	100		
41	89.8	60.8	91.2
62	66.7	52.9	79.3



#40
 1,4-Dioxane
 Concen: 10.179 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

Tgt Ion	Ratio	Lower	Upper
88	100		
58	139.4	111.2	166.8
43	0.0	234.2	351.4#
57	0.0	1039.9	1559.9#





#41

Tetrahydrofuran

Concen: 9.601 ppbv

RT: 6.05 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010

Acq: 13 Jun 2022 12:34

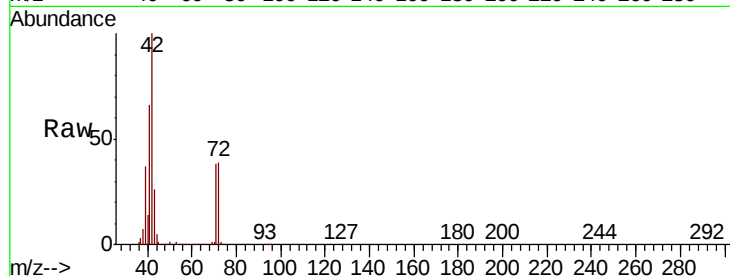
Tot Ion: 42 Resp: 989663

Ion Ratio Lower Upper

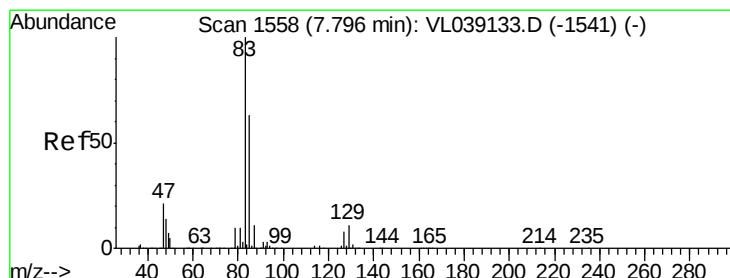
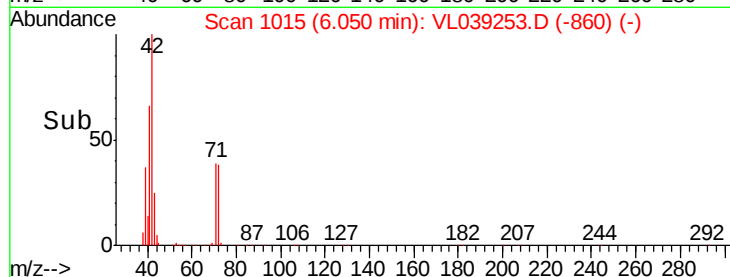
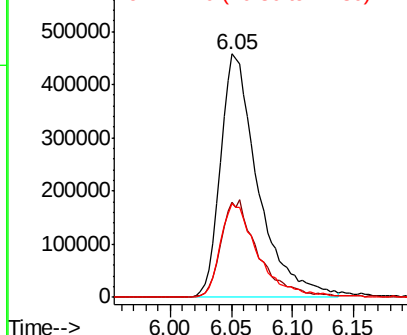
42 100

72 40.2 32.0 48.0

71 39.1 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: 11.110 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VL039253.D

Acq: 13 Jun 2022 12:34

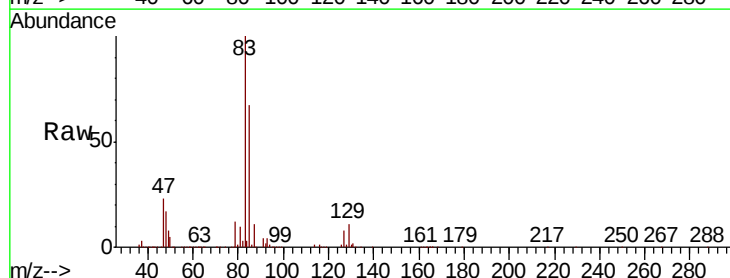
Tgt Ion: 83 Resp: 2599089

Ion Ratio Lower Upper

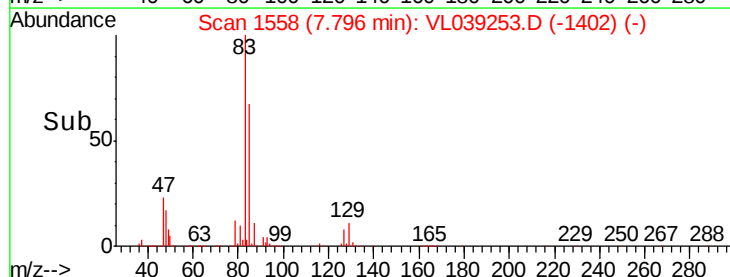
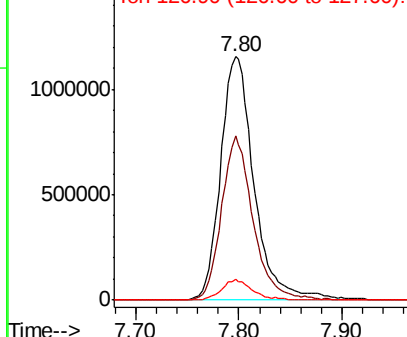
83 100

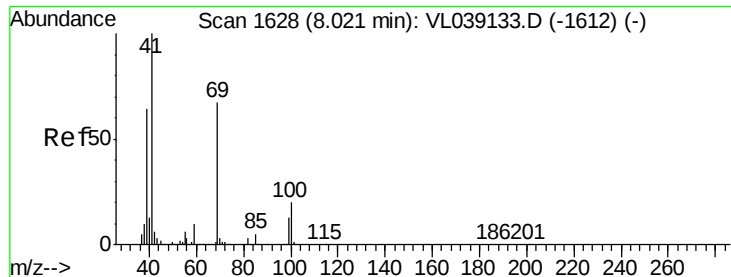
85 67.3 50.2 75.4

127 8.4 6.6 9.8



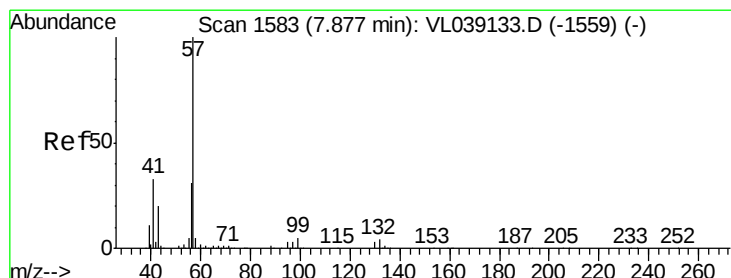
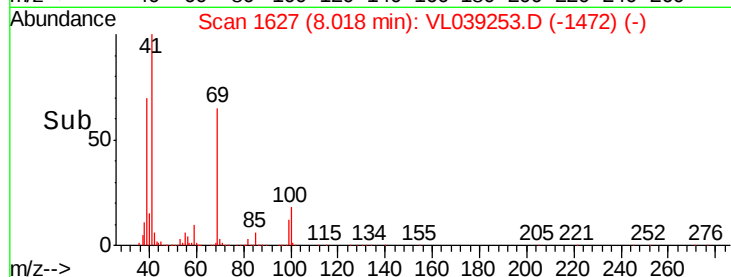
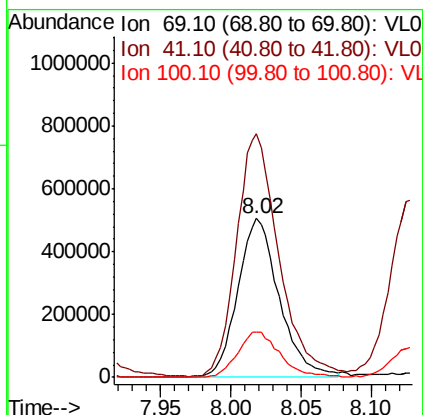
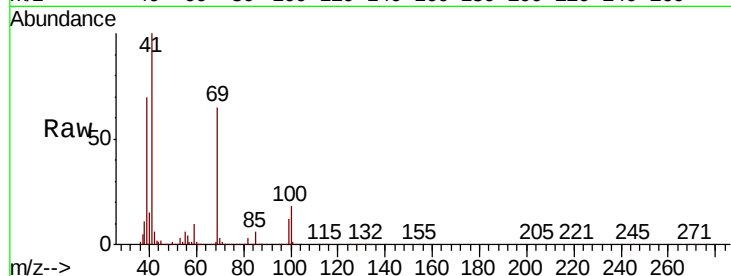
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





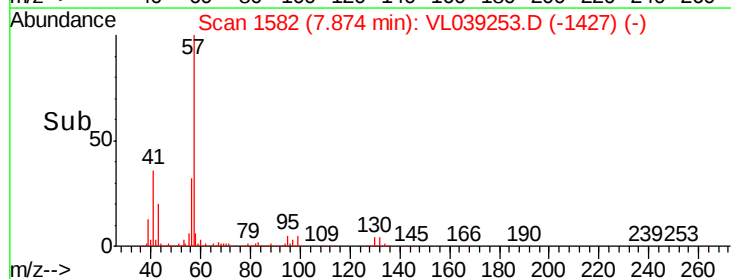
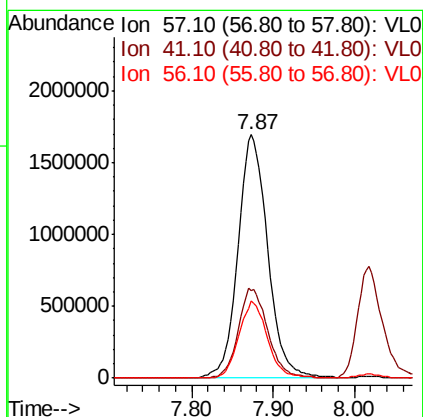
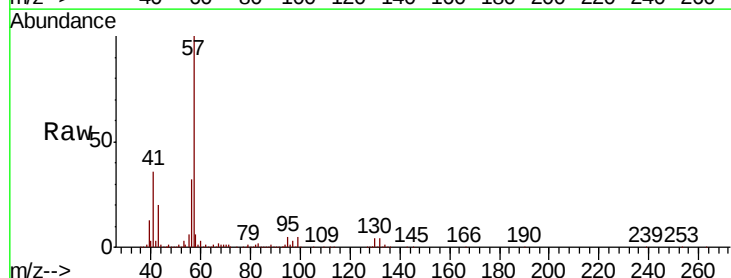
#43
Methyl Methacrylate
Concen: 10.431 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 13 Jun 2022 12:34

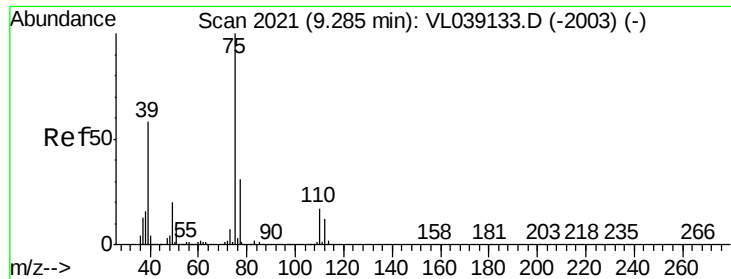
Tot Ion: 69 Resp: 1040647
Ion Ratio Lower Upper
69 100
41 157.6 121.9 182.9
100 29.5 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 9.519 ppbv
RT: 7.87 min Scan# 1582
Delta R.T.: -0.00 min
Lab File: VL039253.D
Acq: 13 Jun 2022 12:34

Tgt Ion: 57 Resp: 4265059
Ion Ratio Lower Upper
57 100
41 36.6 26.2 39.4
56 30.2 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 11.228 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010

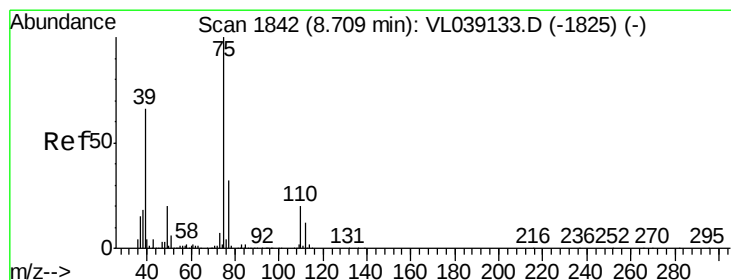
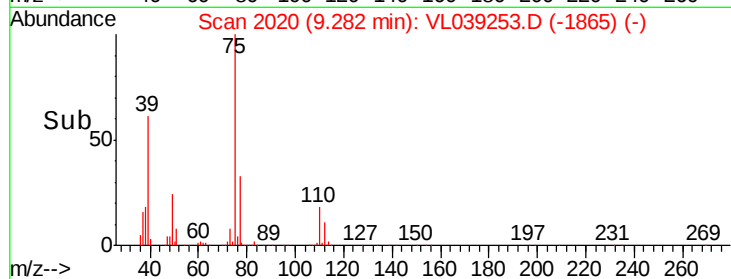
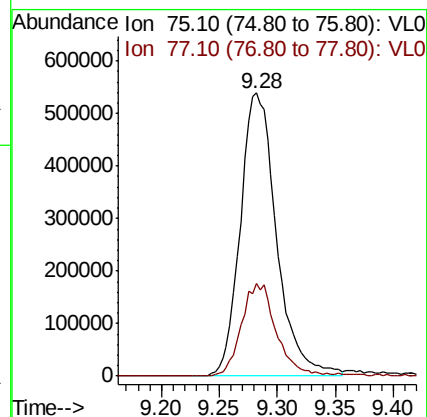
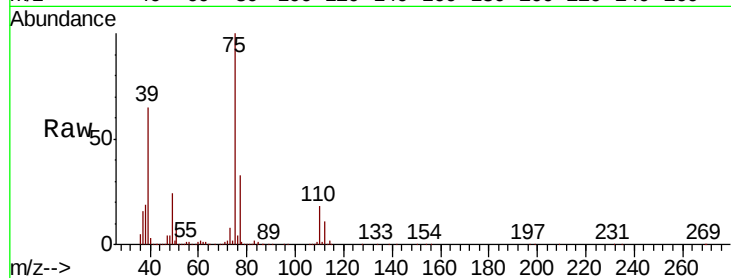
Acq: 13 Jun 2022 12:34

Tot Ion: 75 Resp: 1166610

Ion Ratio Lower Upper

75 100

77 32.8 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 10.382 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VL039253.D

Acq: 13 Jun 2022 12:34

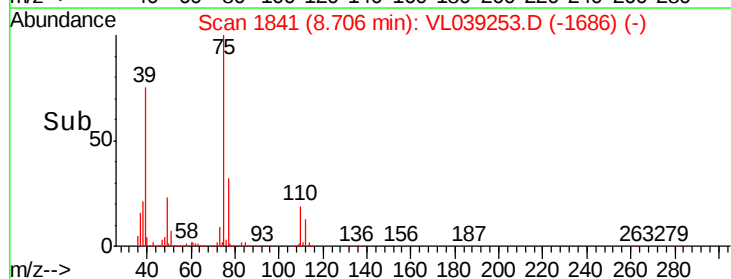
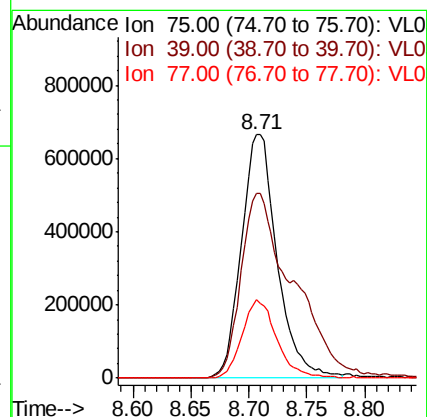
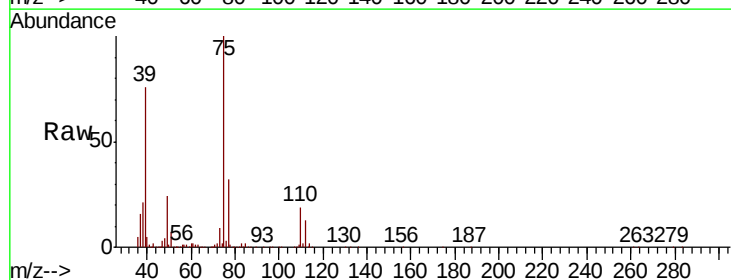
Tgt Ion: 75 Resp: 1425057

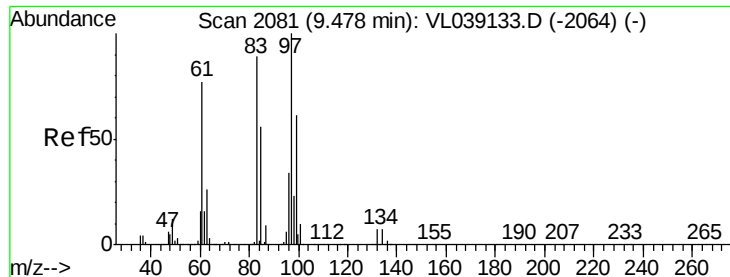
Ion Ratio Lower Upper

75 100

39 75.6 52.4 78.6

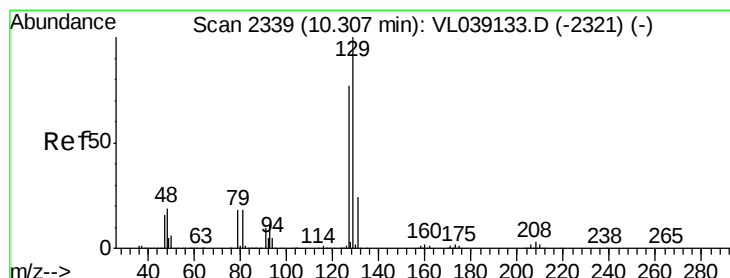
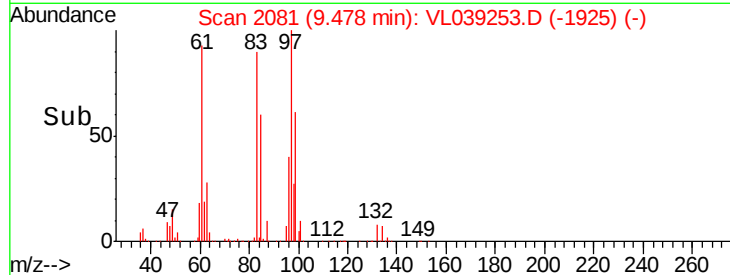
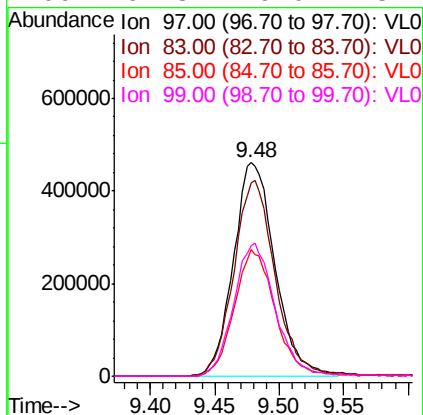
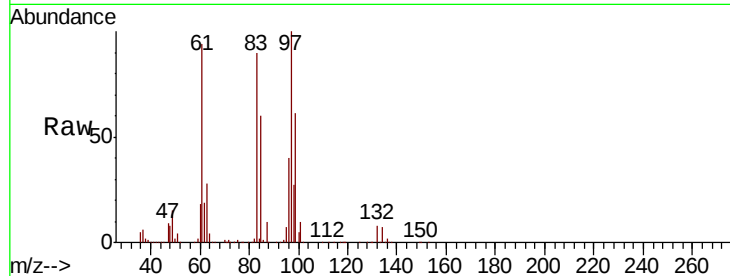
77 32.4 25.5 38.3





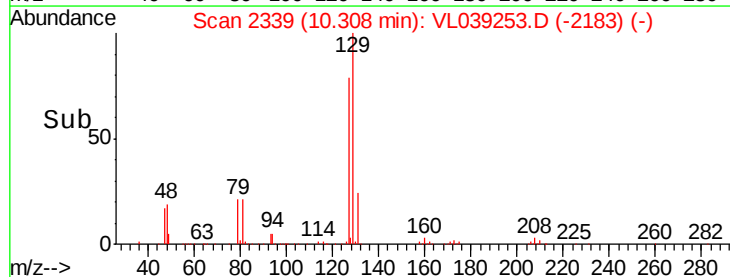
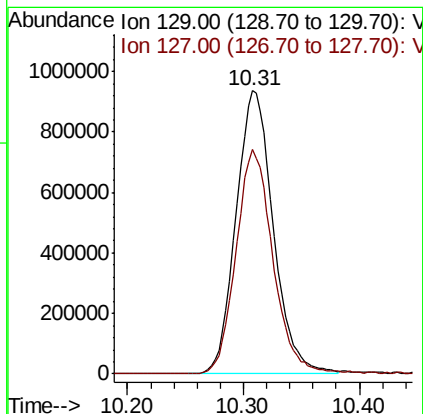
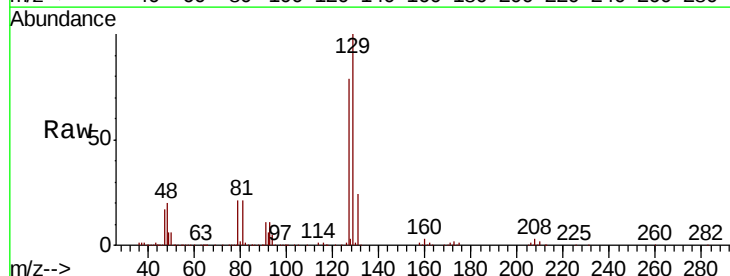
#47
 1,1,2-Trichloroethane
 Concen: 9.687 ppbv
 RT: 9.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Jun 2022 12:34

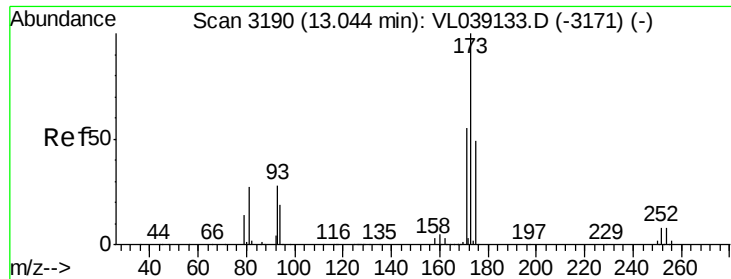
Tot Ion:	97	Resp:	1029560
Ion	Ratio	Lower	Upper
97	100		
83	90.5	71.6	107.4
85	59.7	44.8	67.2
99	61.3	49.0	73.4



#48
 Dibromochloromethane
 Concen: 11.008 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

Tgt Ion:	129	Resp:	2089145
Ion	Ratio	Lower	Upper
129	100		
127	79.0	40.0	119.9





#49

Bromoform

Concen: 10.865 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Jun 2022 12:34

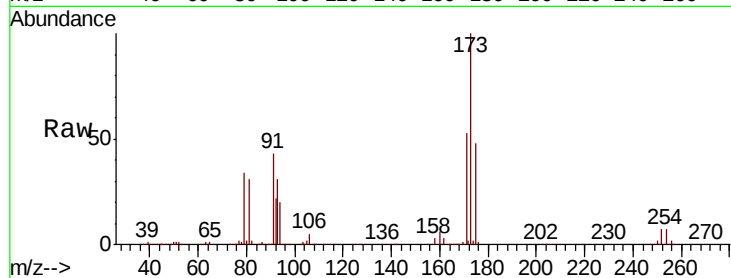
Tot Ion:173 Resp: 1718269

Ion Ratio Lower Upper

173 100

175 49.5 40.2 60.2

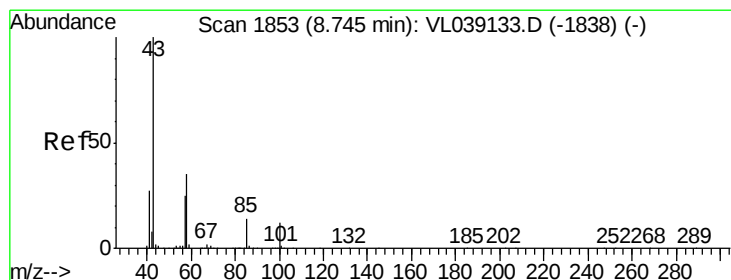
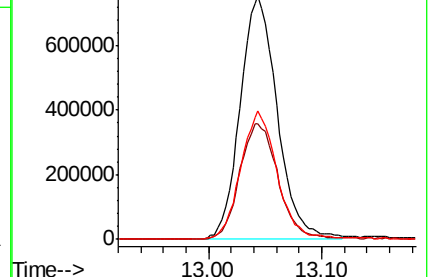
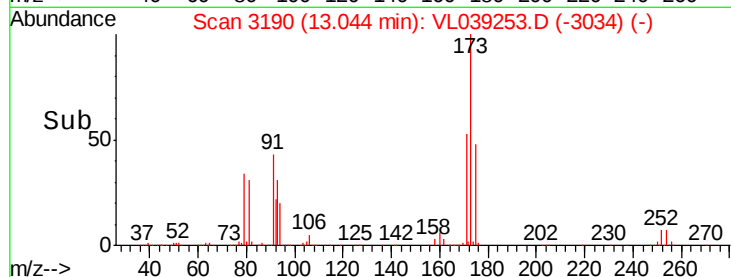
171 52.5 43.9 65.9



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: 10.506 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VL039253.D

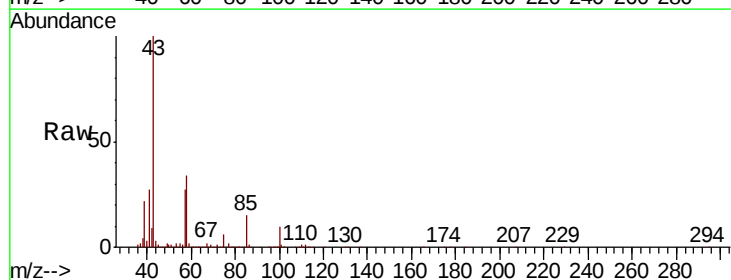
Acq: 13 Jun 2022 12:34

Tgt Ion: 43 Resp: 2695462

Ion Ratio Lower Upper

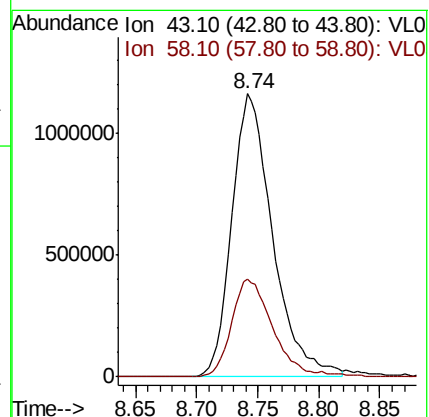
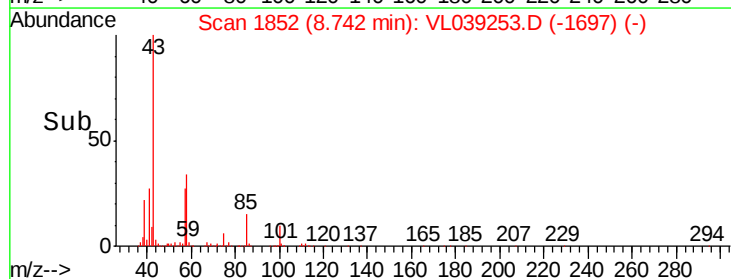
43 100

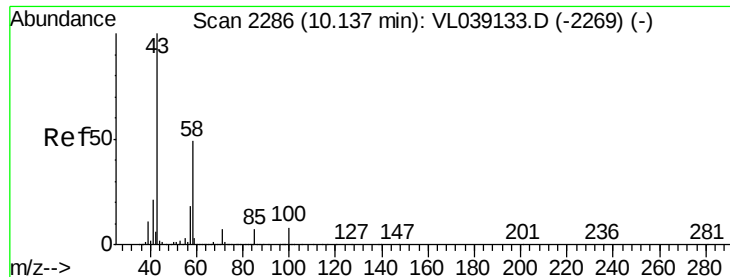
58 35.4 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

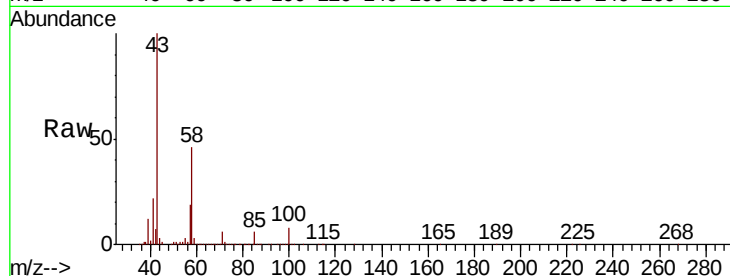
Ion 58.10 (57.80 to 58.80): VL0



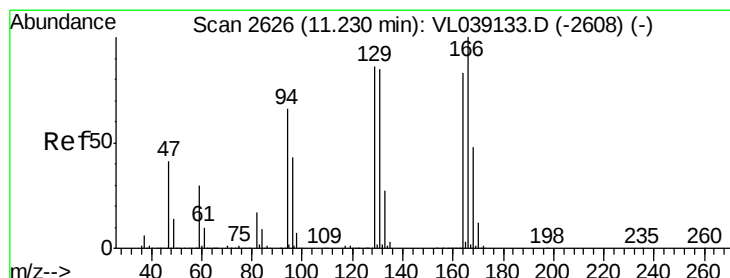
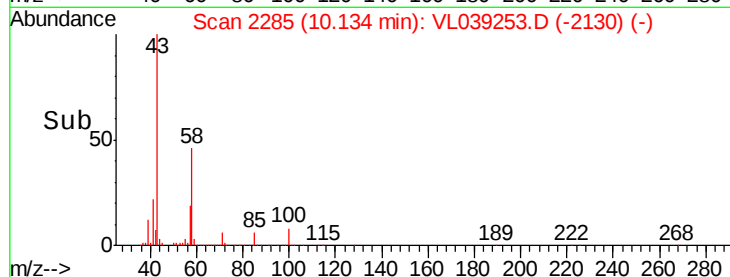
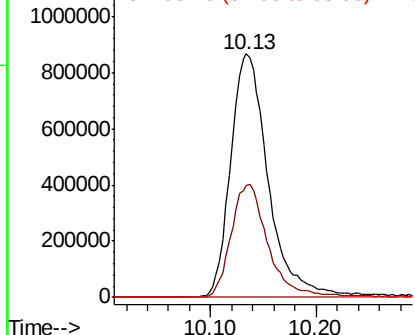


#51
2-Hexanone
Concen: 10.652 ppbv
RT: 10.13 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Jun 2022 12:34

Tot Ion: 43 Resp: 2126471
Ion Ratio Lower Upper
43 100
58 46.1 40.0 60.0
98 0.2 0.1 0.1#

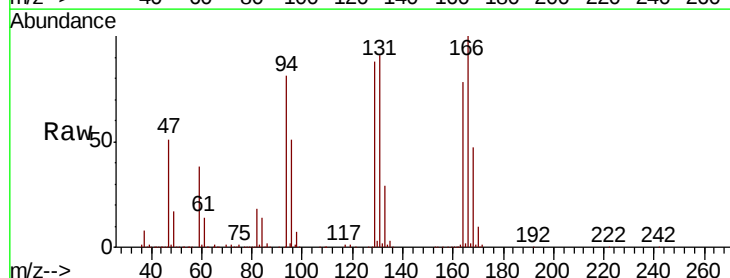


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

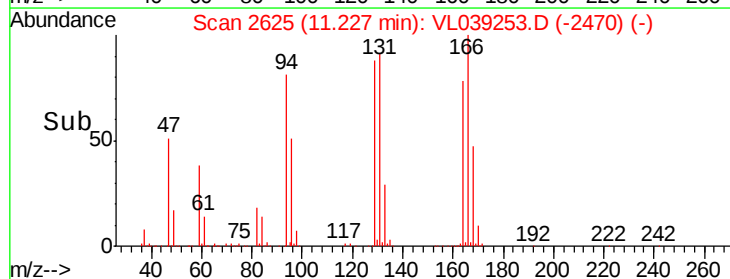
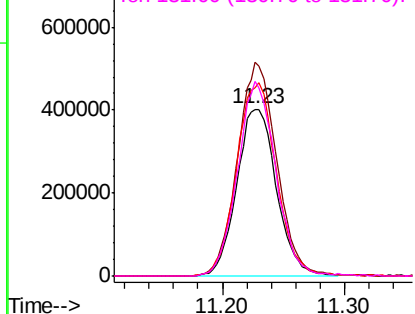


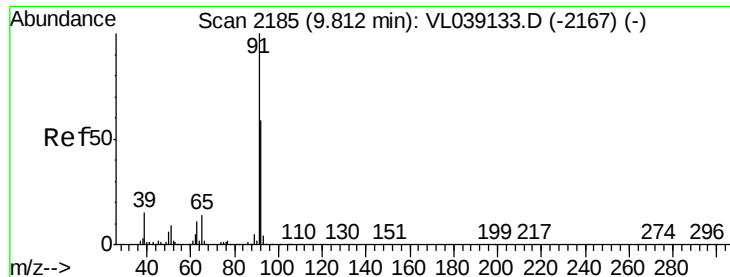
#52
Tetrachloroethene
Concen: 9.034 ppbv
RT: 11.23 min Scan# 2625
Delta R.T.: -0.00 min
Lab File: VL039253.D
Acq: 13 Jun 2022 12:34

Tgt Ion: 164 Resp: 903416
Ion Ratio Lower Upper
164 100
166 128.0 96.3 144.5
129 112.9 82.5 123.7
131 116.8 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: 9.763 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

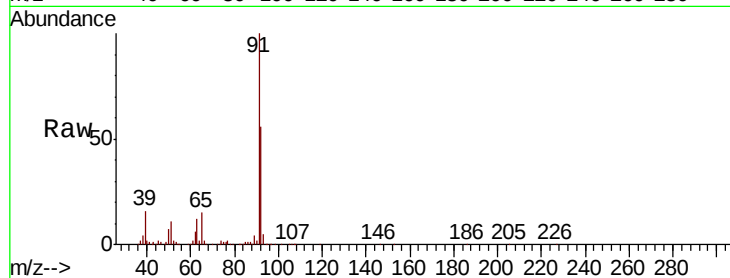
Acq: 13 Jun 2022 12:34 VSTDCCC010

Tot Ion: 91 Resp: 2879272

Ion Ratio Lower Upper

91 100

92 58.2 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

1500000 Ion 92.10 (91.80 to 92.80): VL0

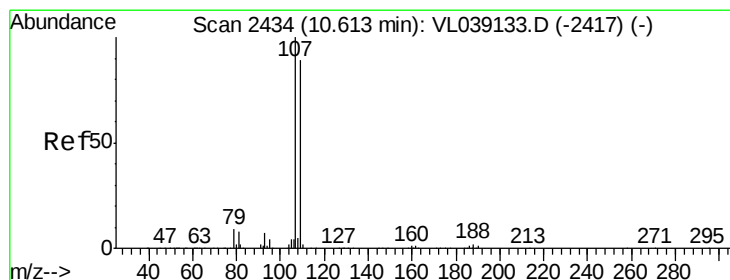
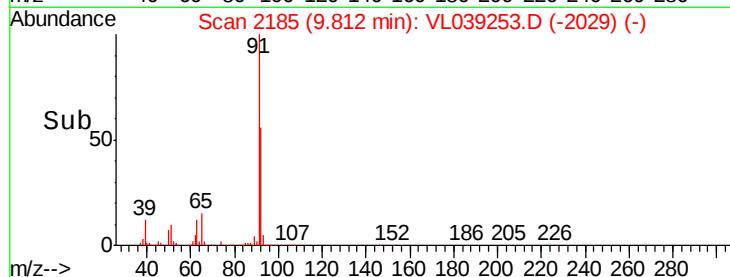
9.81

1000000

500000

0

Time--> 9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 10.221 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL039253.D

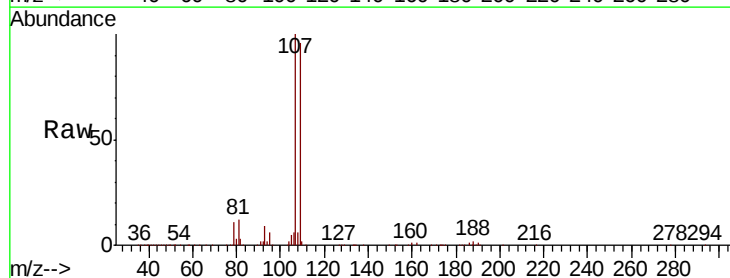
Acq: 13 Jun 2022 12:34

Tgt Ion: 107 Resp: 1459735

Ion Ratio Lower Upper

107 100

109 95.5 71.4 107.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.62

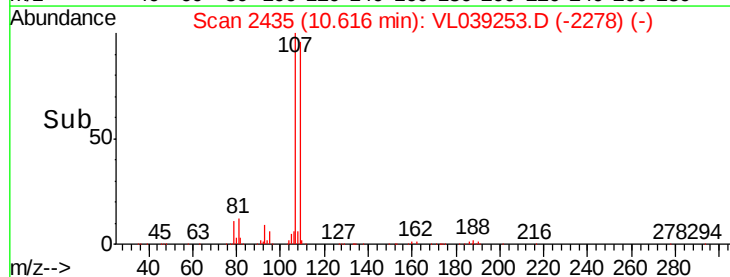
600000

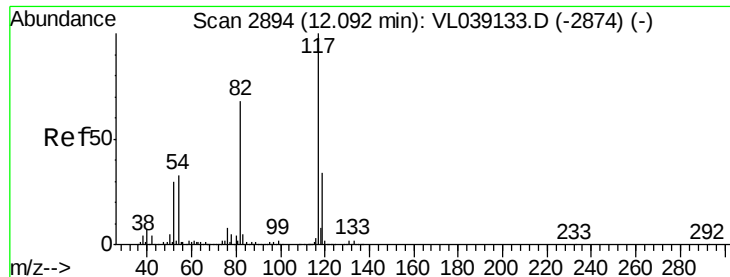
400000

200000

0

Time--> 10.50 10.60 10.70





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 12:34 VSTDCCC010

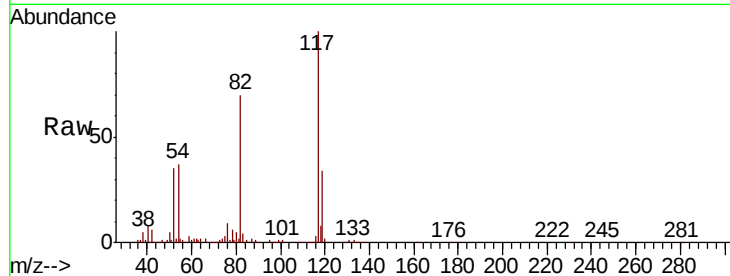
Tot Ion:117 Resp: 3766315

Ion Ratio Lower Upper

117 100

82 58.2 55.1 82.7

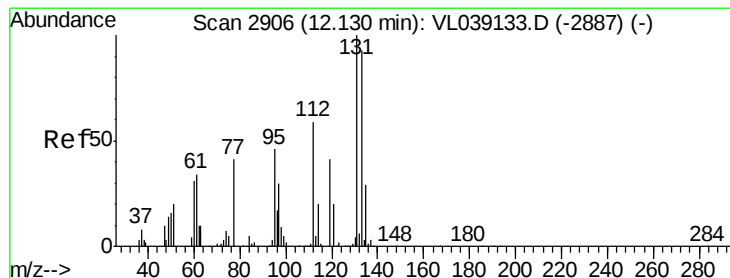
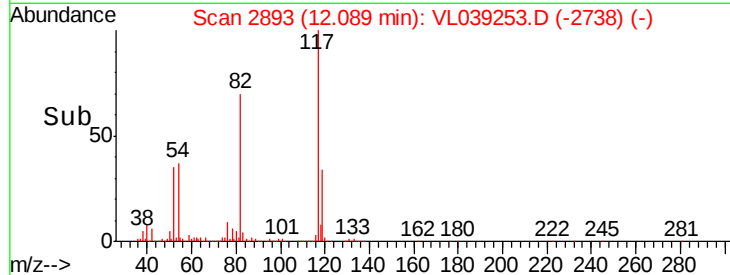
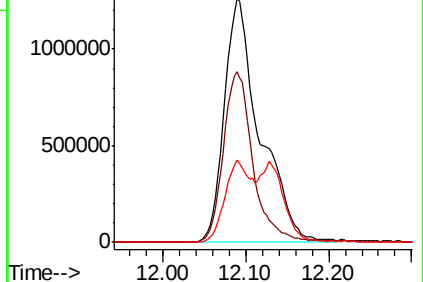
119 23.2 24.7 37.1#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.004 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL039253.D

Acq: 13 Jun 2022 12:34

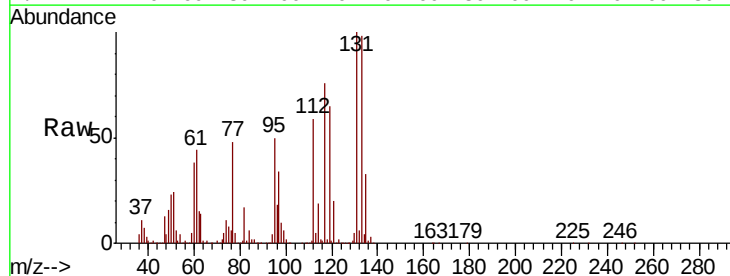
Tgt Ion:131 Resp: 1426366

Ion Ratio Lower Upper

131 100

133 97.5 78.6 117.8

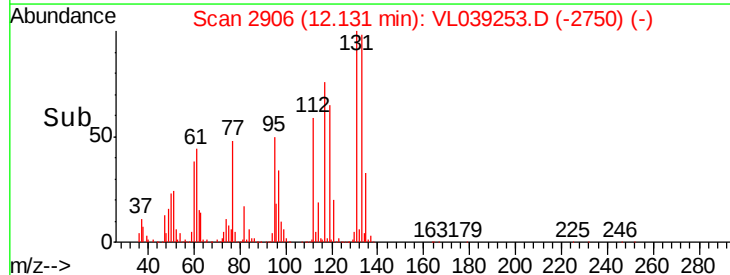
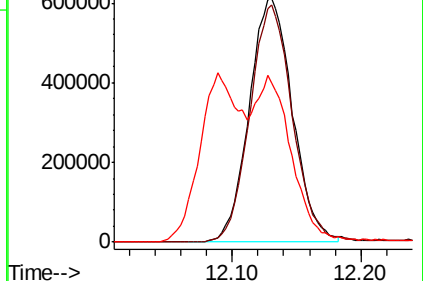
119 60.3 51.7 77.5

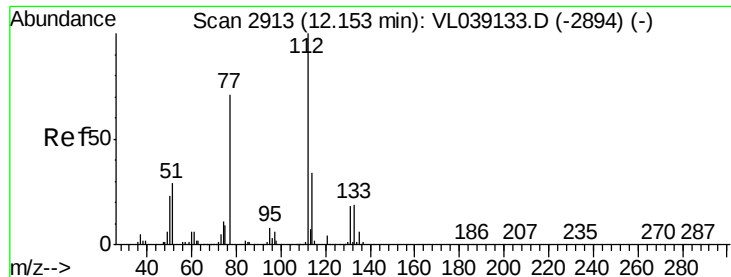


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.571 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 12:34

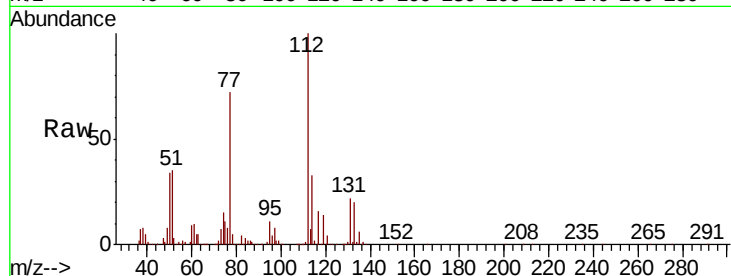
Tot Ion: 112 Resp: 2145449

Ion Ratio Lower Upper

112 100

77 70.8 56.5 84.7

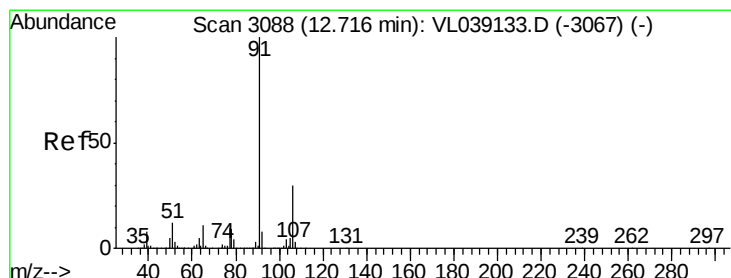
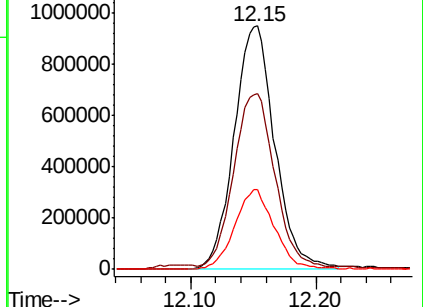
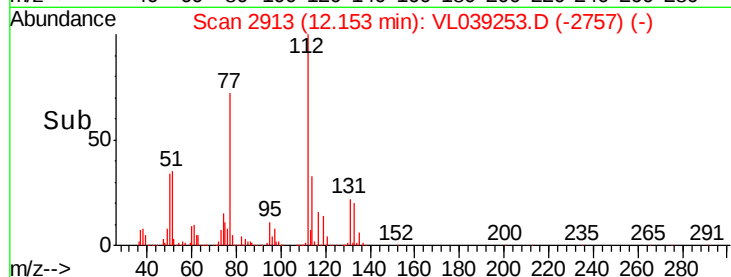
114 32.7 30.3 37.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.706 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. -0.00 min

Lab File: VL039253.D

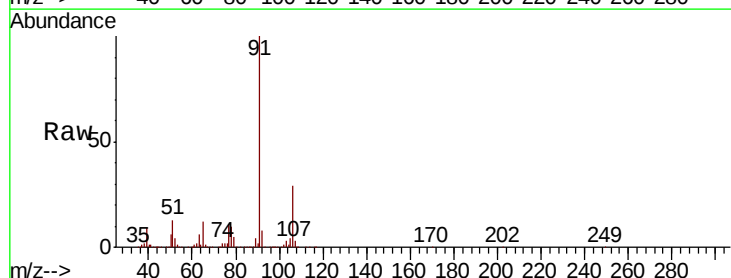
Acq: 13 Jun 2022 12:34

Tgt Ion: 91 Resp: 3997851

Ion Ratio Lower Upper

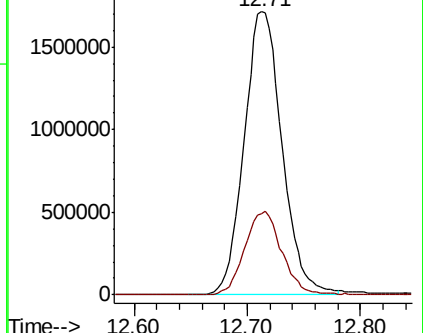
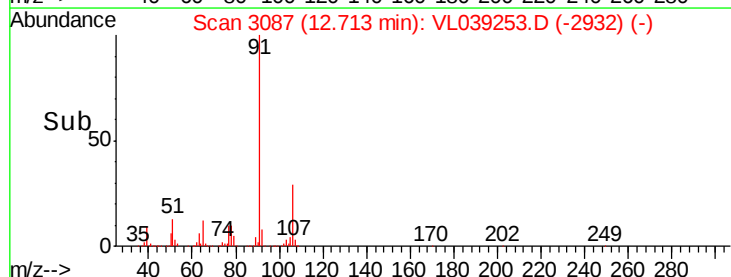
91 100

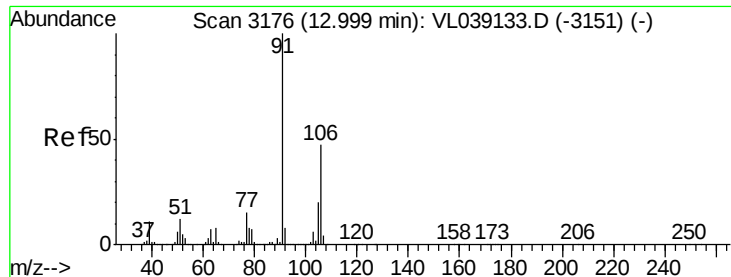
106 28.8 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

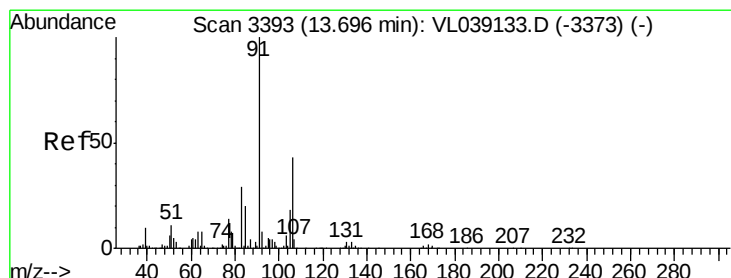
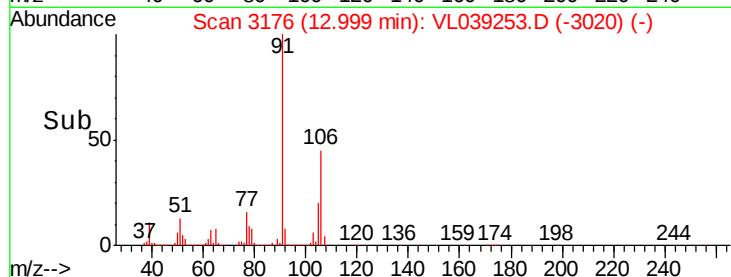
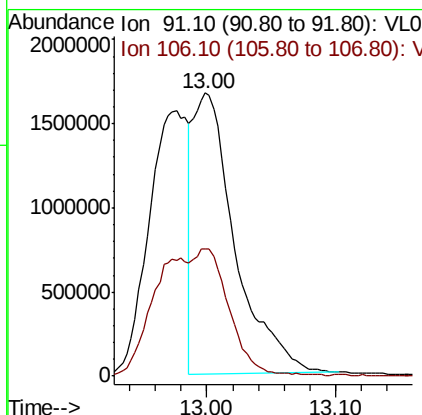
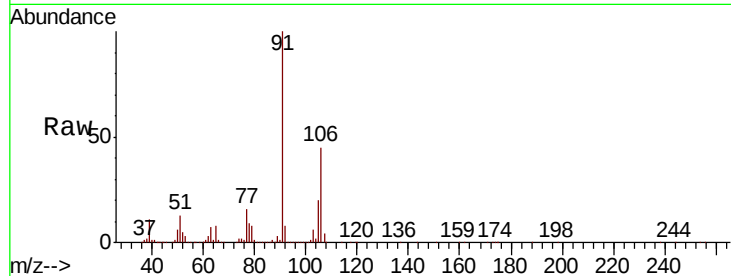
Ion 106.10 (105.80 to 106.80): V





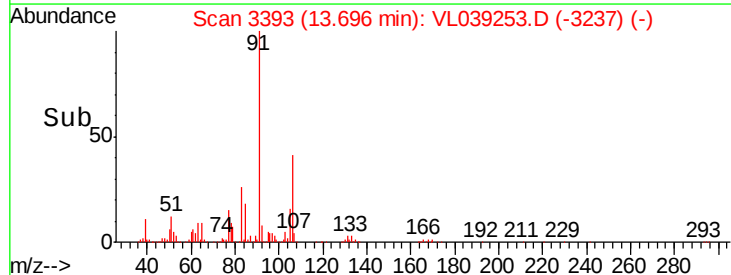
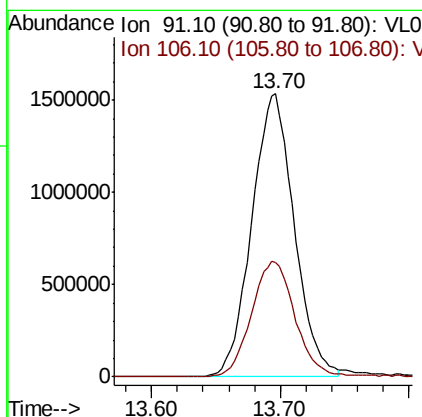
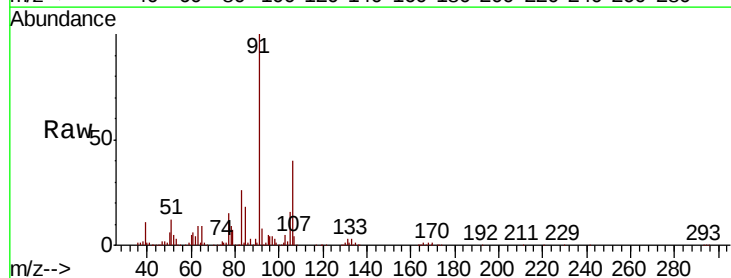
#59
m/p-Xylene
Concen: 8.243 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Jun 2022 12:34

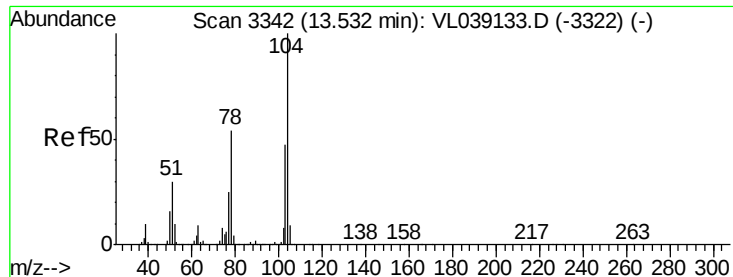
Tot Ion: 91 Resp: 3765874
Ion Ratio Lower Upper
91 100
106 78.2 34.3 51.5#



#60
o-Xylene
Concen: 8.170 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL039253.D
Acq: 13 Jun 2022 12:34

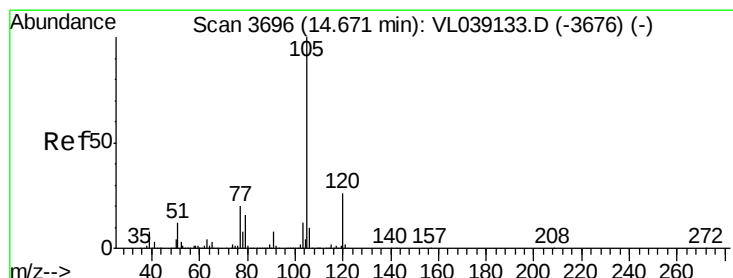
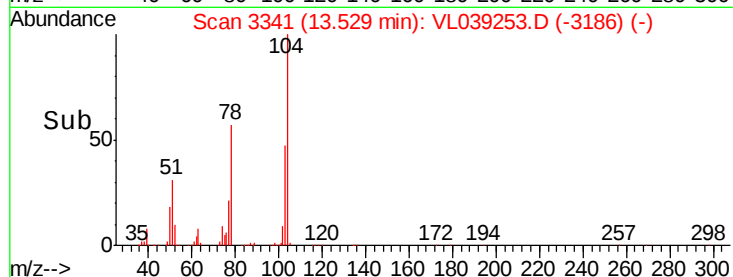
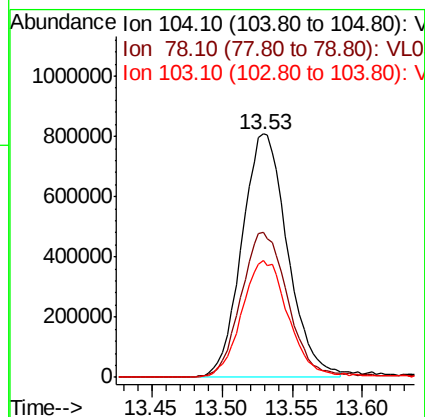
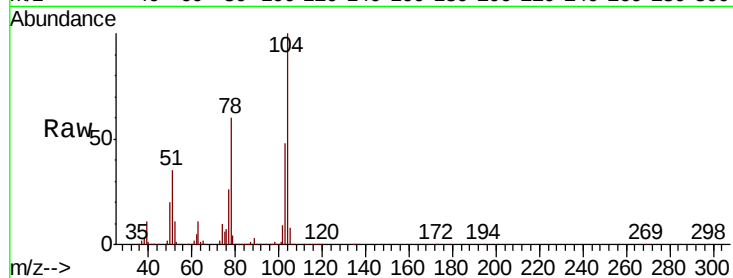
Tgt Ion: 91 Resp: 3507111
Ion Ratio Lower Upper
91 100
106 42.5 22.3 66.9





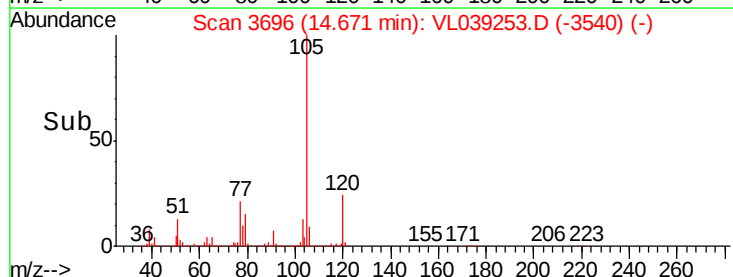
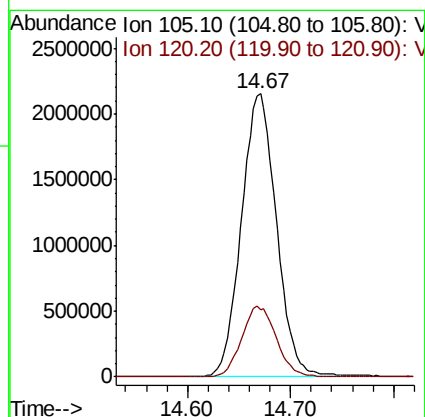
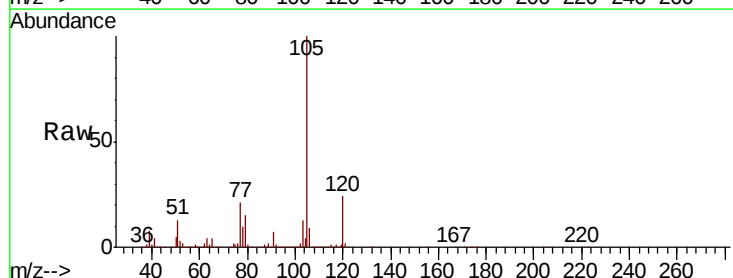
#61
Stvrene
Concen: 7.958 ppbv
RT: 13.53
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 13 Jun 2022 12:34

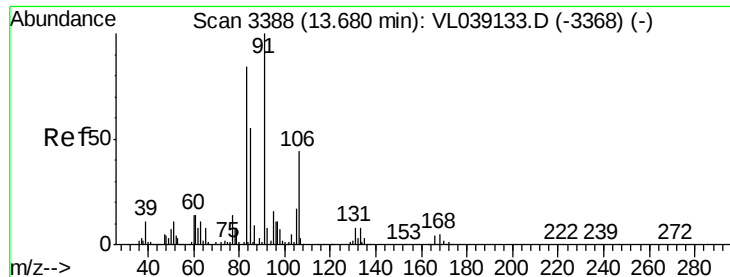
Tot Ion:104 Resp: 1829475
Ion Ratio Lower Upper
104 100
78 62.2 45.7 68.5
103 49.8 39.6 59.4



#62
Isopropylbenzene
Concen: 7.973 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.00 min
Lab File: VL039253.D
Acq: 13 Jun 2022 12:34

Tgt Ion:105 Resp: 5086884
Ion Ratio Lower Upper
105 100
120 24.9 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 7.436 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 12:34

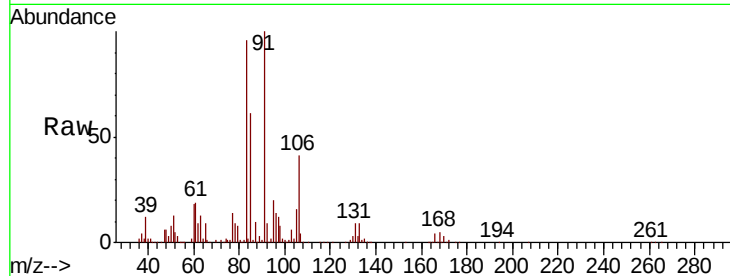
Tot Ion: 83 Resp: 1791795

Ion Ratio Lower Upper

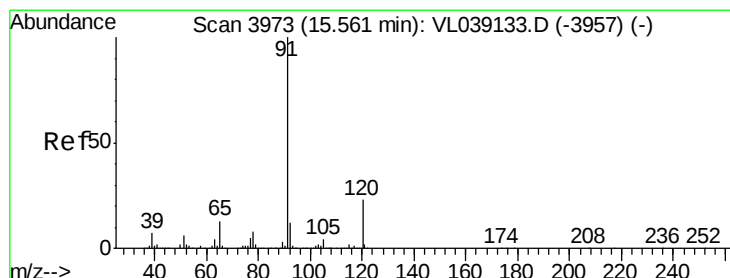
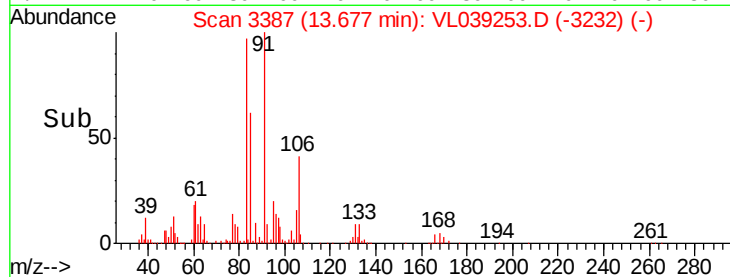
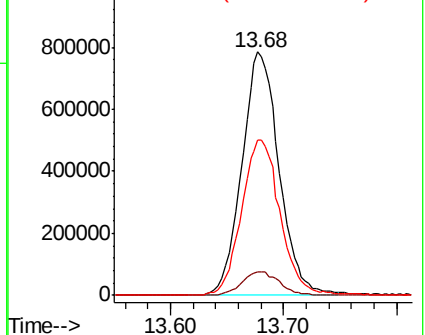
83 100

131 9.9 4.8 14.3

85 66.9 33.0 99.0



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



#64

n-propylbenzene

Concen: 8.060 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.00 min

Lab File: VL039253.D

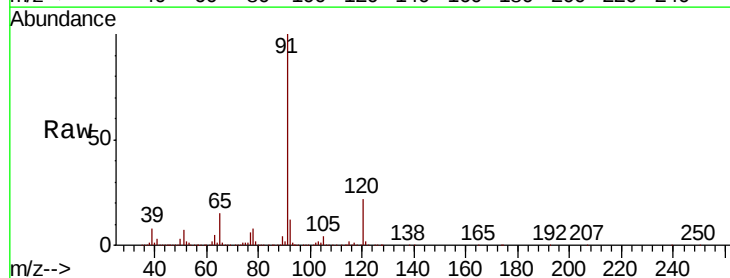
Acq: 13 Jun 2022 12:34

Tgt Ion:120 Resp: 1264182

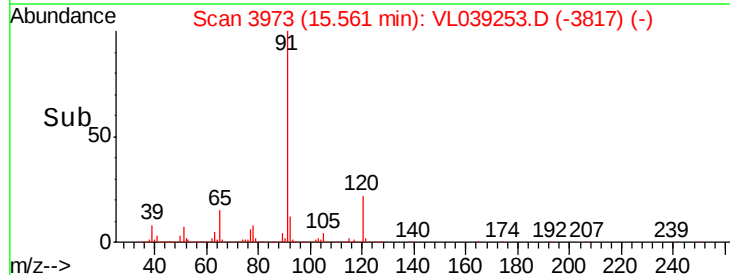
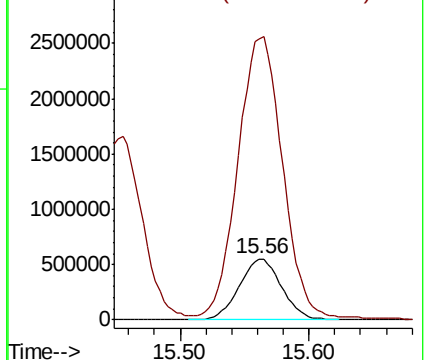
Ion Ratio Lower Upper

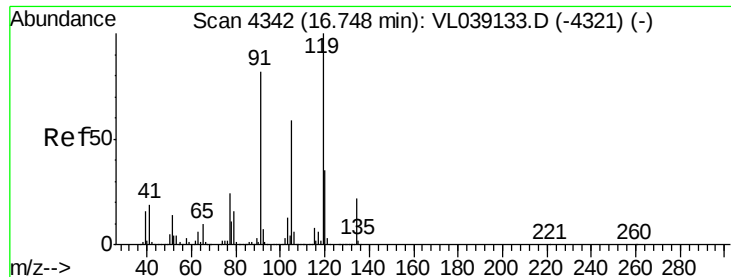
120 100

91 493.7 388.4 582.6



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

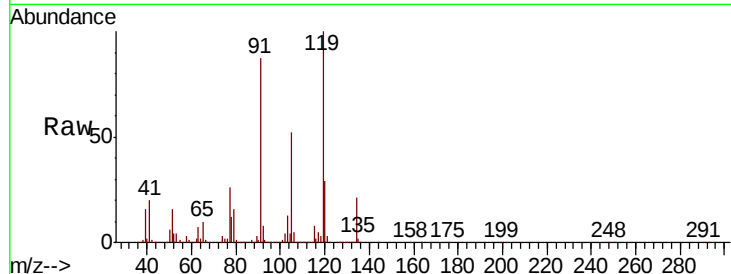




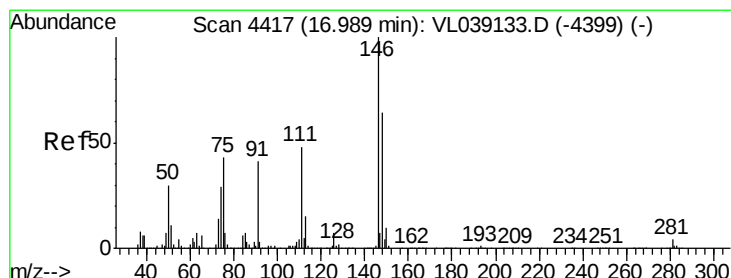
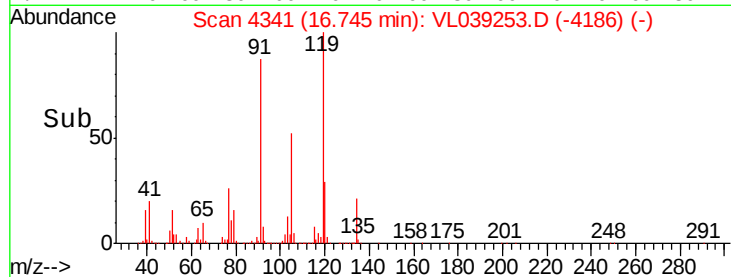
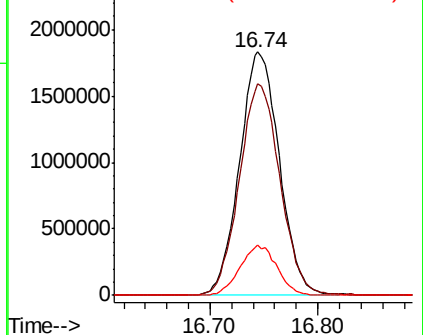
#65
 tert-Butylbenzene
 Concen: 8.049 ppbv
 RT: 16.74 min
 Delta R.T.: 0.00 min
 Lab File: VSTDCCC010
 Acq: 13 Jun 2022 12:34

Tot Ion: 119 Resp: 4696154

Ion	Ratio	Lower	Upper
119	100		
91	88.9	67.1	100.7
134	19.2	15.8	23.8



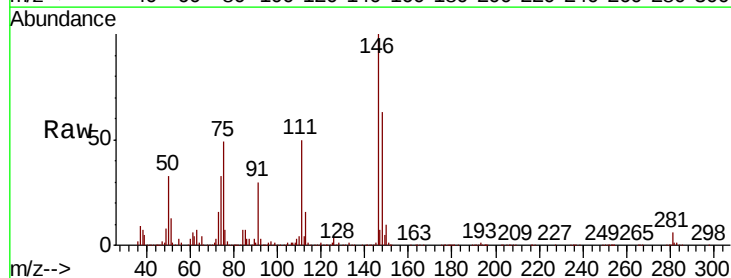
Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V



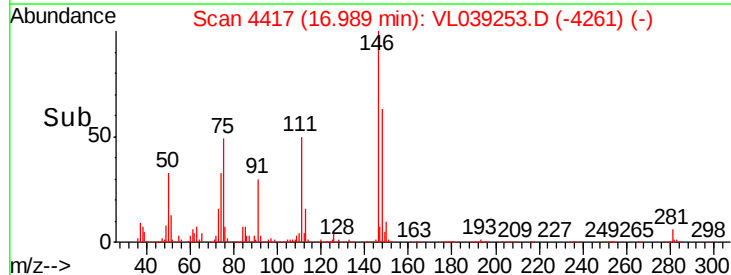
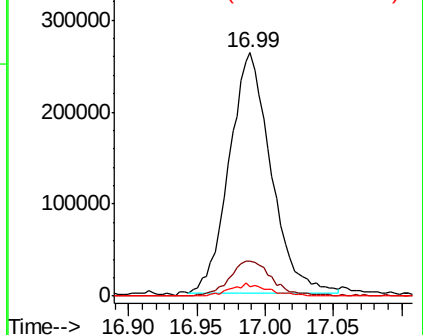
#66
 Benzyl Chloride
 Concen: 7.264 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T.: 0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

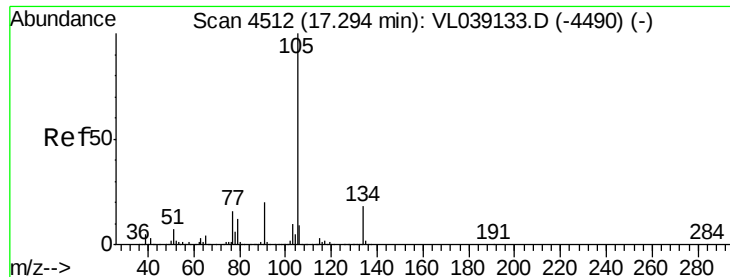
Tgt Ion: 91 Resp: 551081

Ion	Ratio	Lower	Upper
91	100		
126	15.1	13.4	20.0
128	5.2	4.1	6.1



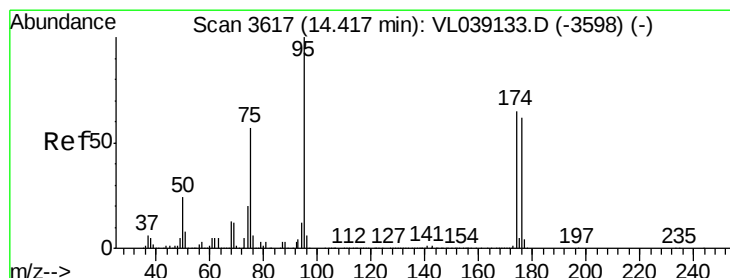
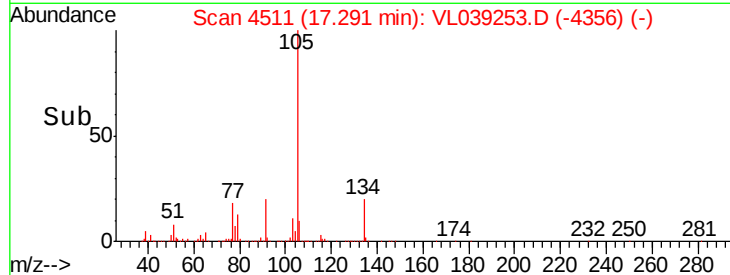
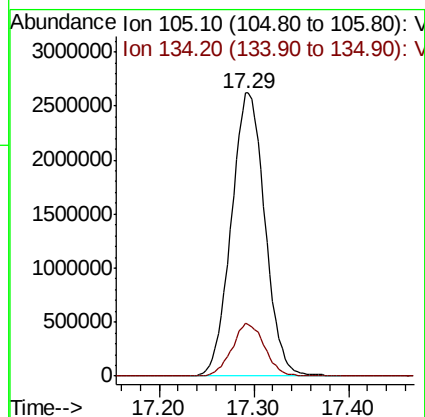
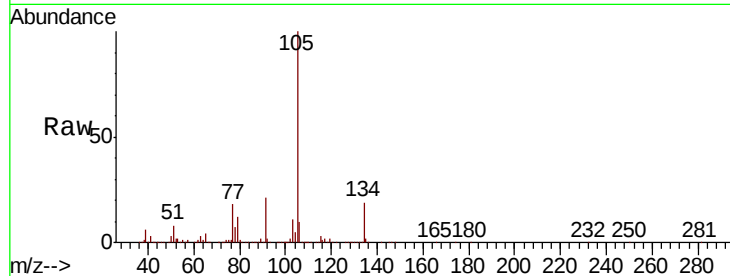
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





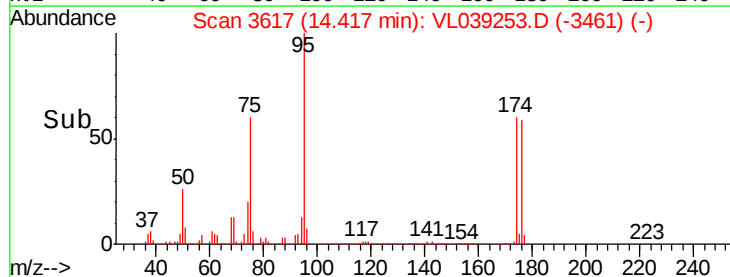
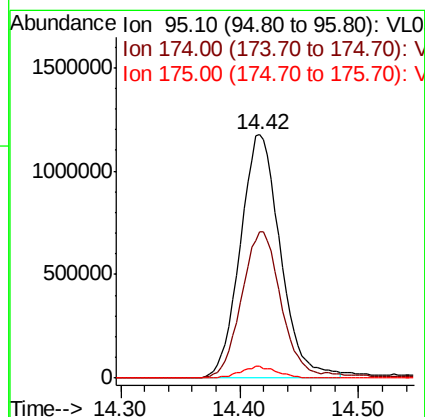
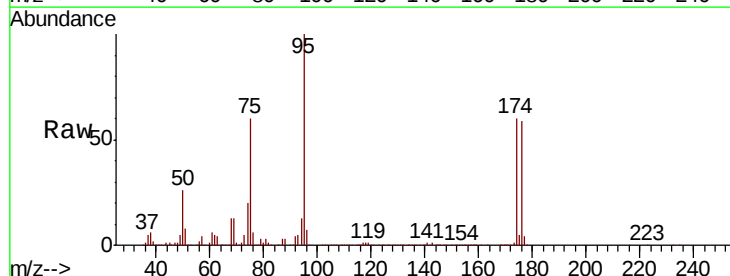
#67
 sec-Butylbenzene
 Concen: 8.115 ppbv
 RT: 17.29 min
 Delta R.T.: 0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

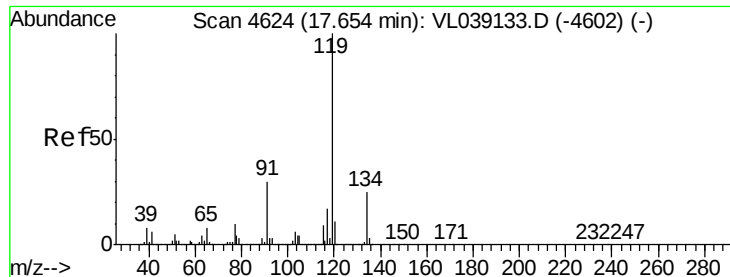
Tot Ion: 105 Resp: 6459838
 Ion Ratio Lower Upper
 105 100
 134 17.9 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.815 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

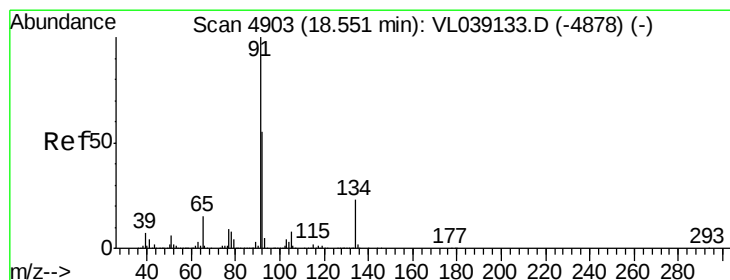
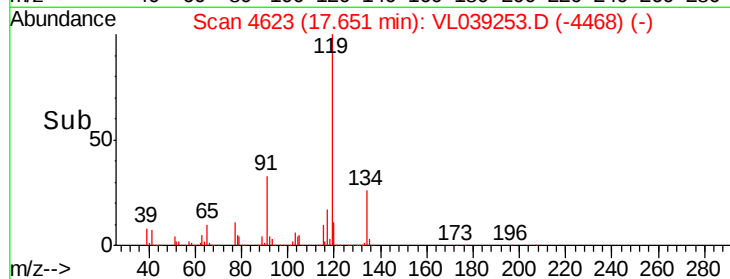
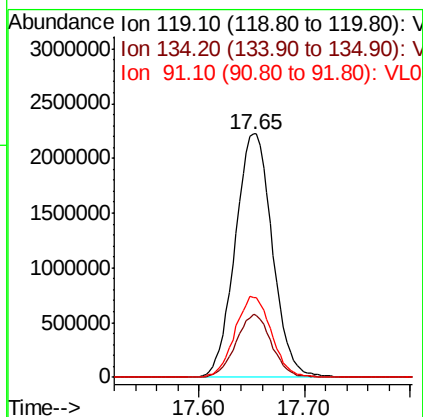
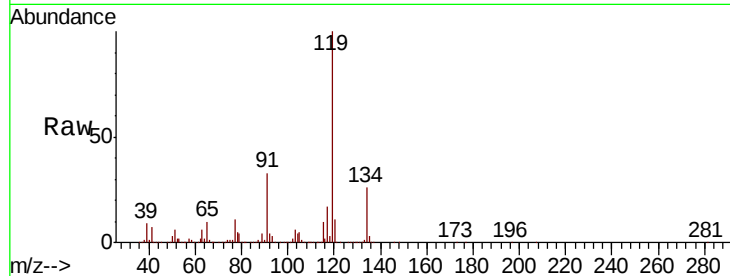
Tgt Ion: 95 Resp: 2744890
 Ion Ratio Lower Upper
 95 100
 174 61.2 53.8 80.8
 175 4.6 4.1 6.1





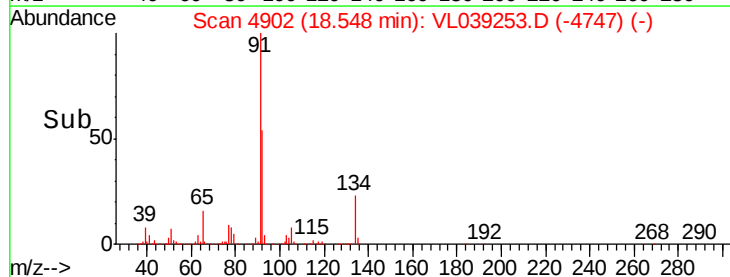
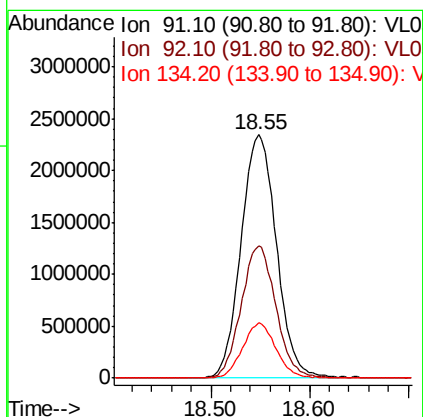
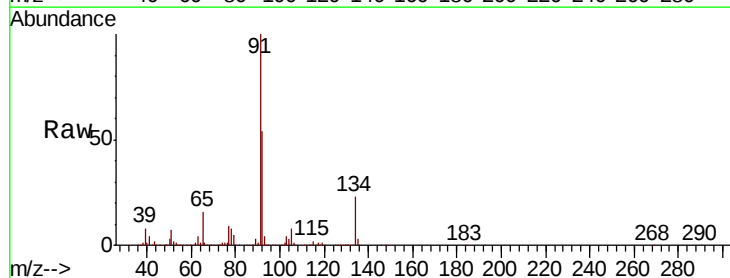
#69
 p-Isopropyltoluene
 Concen: 8.098 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

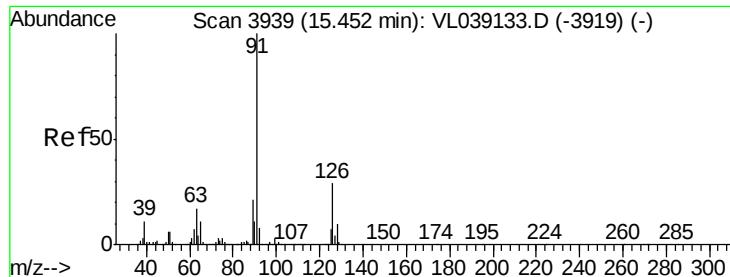
Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.4	30.6
91	32.5	24.2	36.4



#70
 n-Butylbenzene
 Concen: 8.444 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. -0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

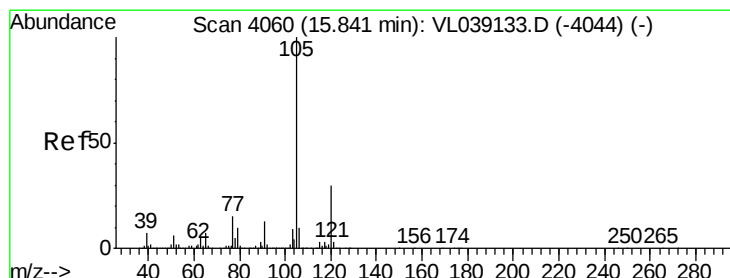
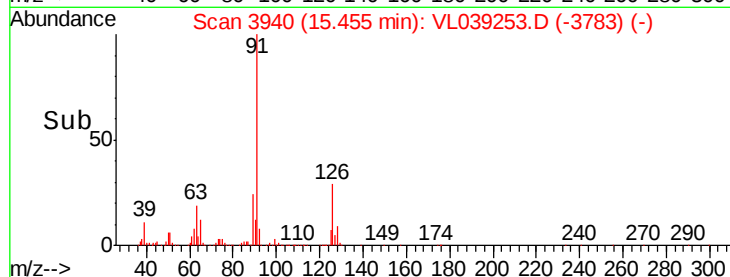
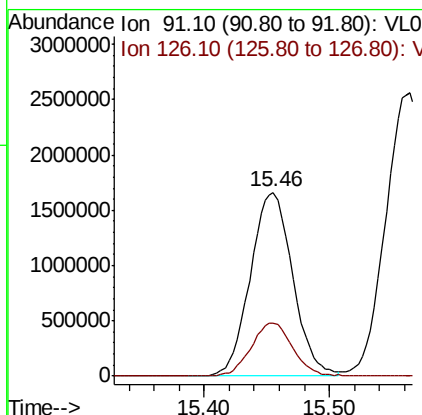
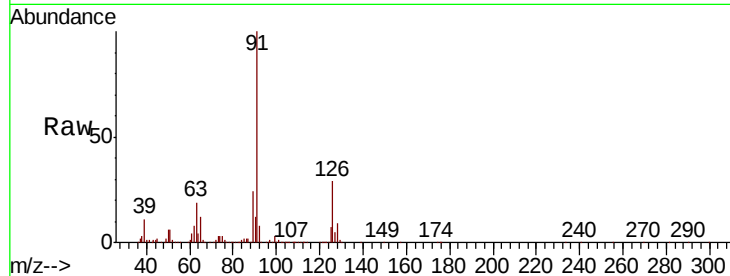
Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	43.6	65.4
134	21.5	17.7	26.5





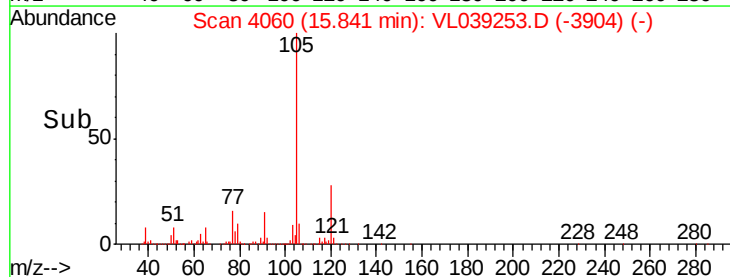
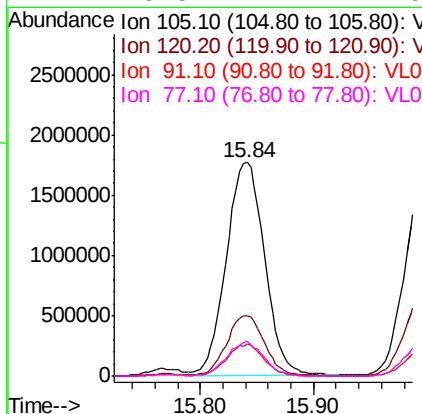
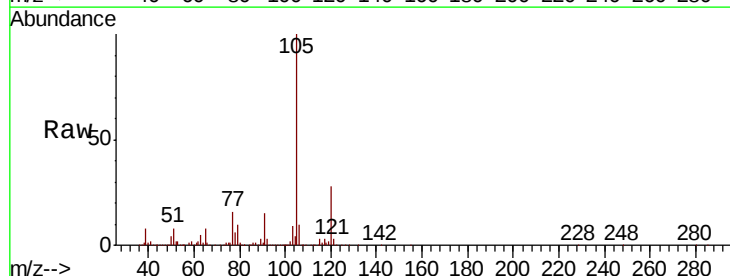
#71
 2-Chlorotoluene
 Concen: 8.007 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

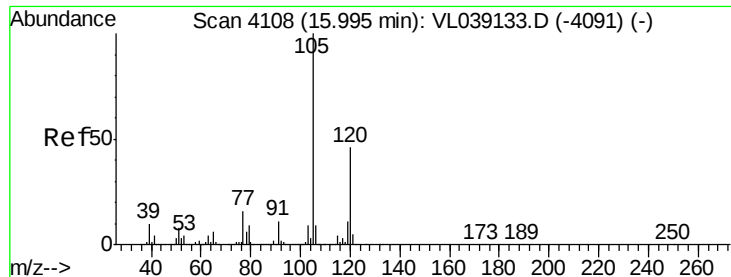
Tot Ion: 91 Resp: 3895994
 Ion Ratio Lower Upper
 91 100
 126 29.0 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 8.298 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.00 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

Tgt Ion:105 Resp: 4175170
 Ion Ratio Lower Upper
 105 100
 120 28.2 23.9 35.9
 91 14.2 10.6 16.0
 77 15.5 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.348 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

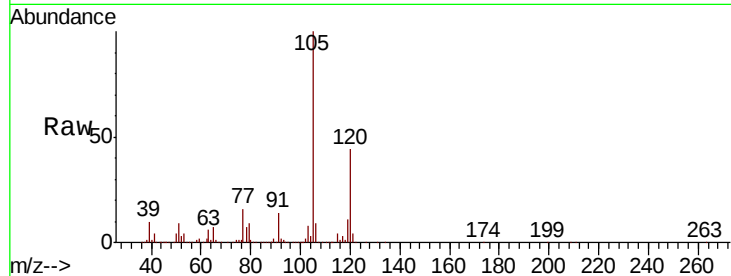
Acq: 13 Jun 2022 12:34

Tot Ion:105 Resp: 3788275

Ion Ratio Lower Upper

105 100

120 43.7 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

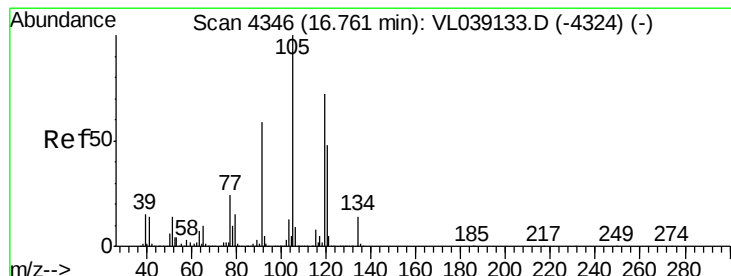
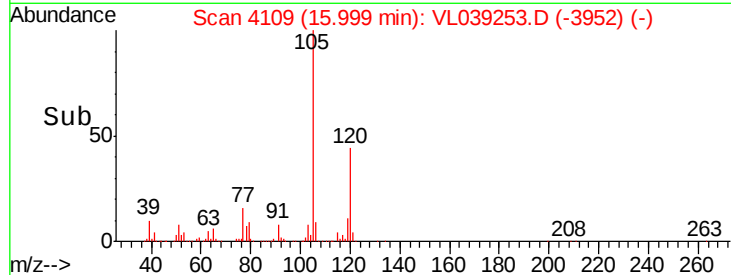
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.276 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL039253.D

Acq: 13 Jun 2022 12:34

Tgt Ion:105 Resp: 4191172

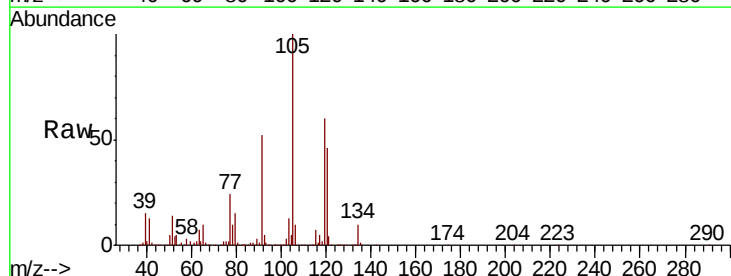
Ion Ratio Lower Upper

105 100

120 46.2 38.1 57.1

91 51.6 47.4 71.0

77 24.2 19.5 29.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

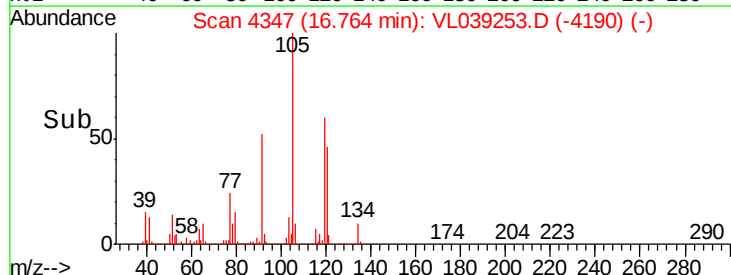
1500000

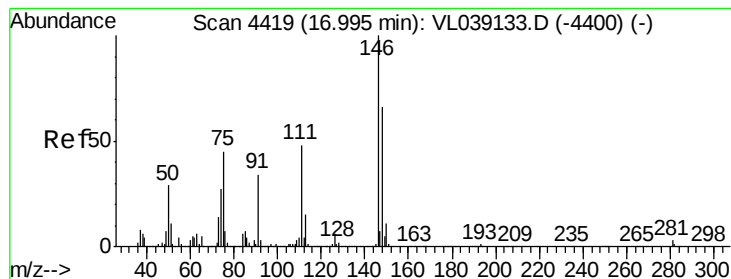
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.004 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 12:34

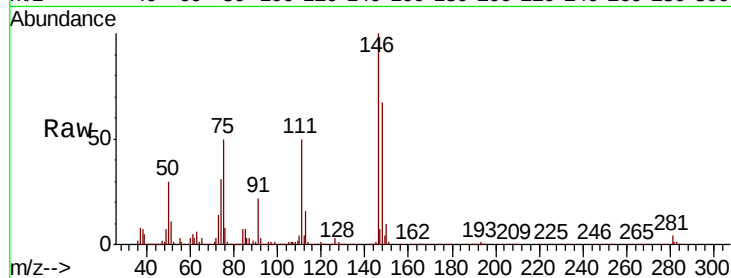
Tot Ion:146 Resp: 2294338

Ion Ratio Lower Upper

146 100

111 48.9 23.8 71.4

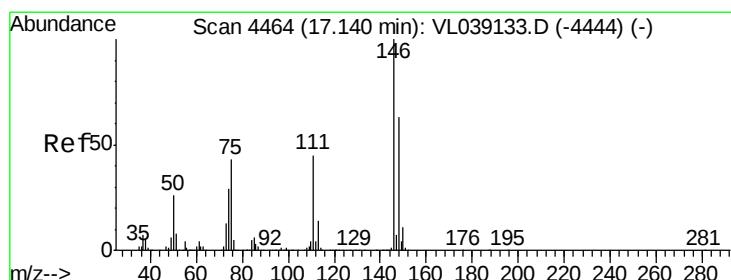
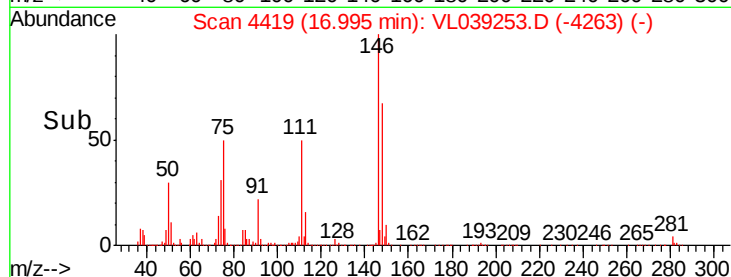
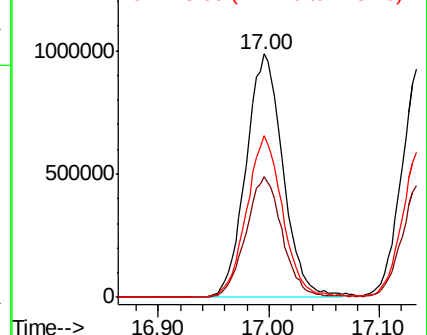
148 64.7 32.4 97.0



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: 7.780 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.00 min

Lab File: VL039253.D

Acq: 13 Jun 2022 12:34

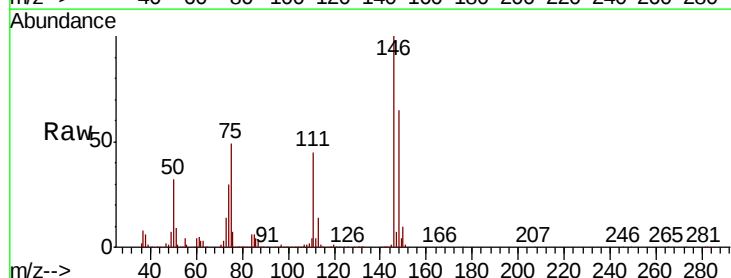
Tgt Ion:146 Resp: 2225026

Ion Ratio Lower Upper

146 100

111 49.2 23.6 71.0

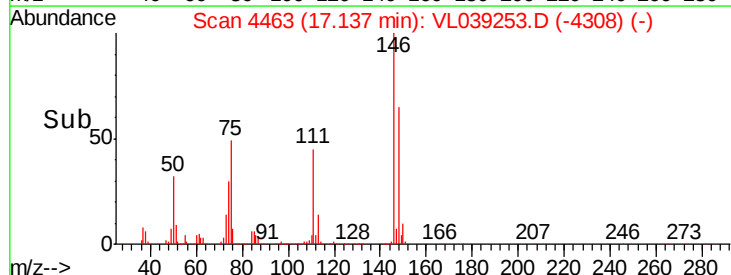
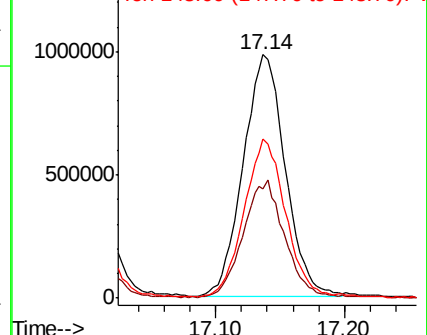
148 66.0 33.7 101.0

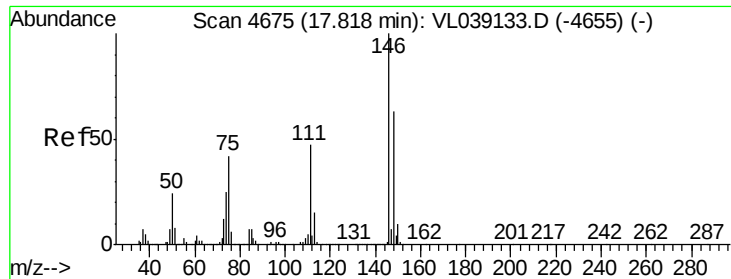


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

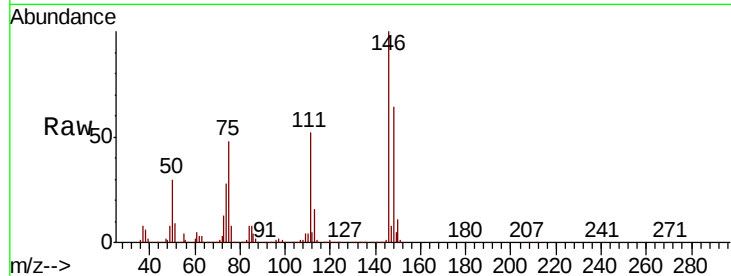




#77
 1,2-Dichlorobenzene
 Concen: 7.695 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

Tot Ion:146 Resp: 2222972

Ion	Ratio	Lower	Upper
146	100		
111	51.0	24.4	73.4
148	64.5	32.1	96.5

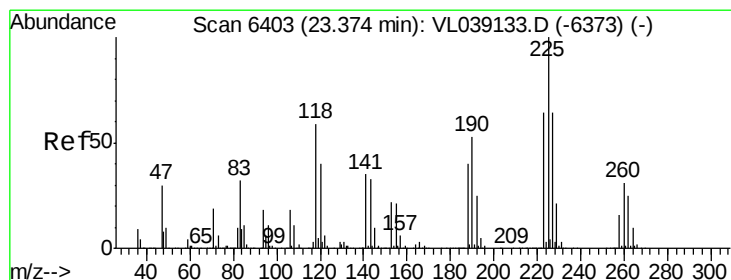
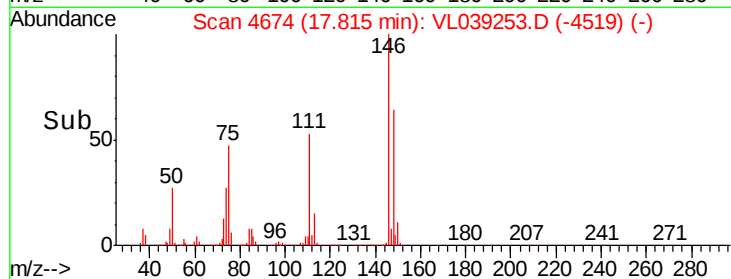
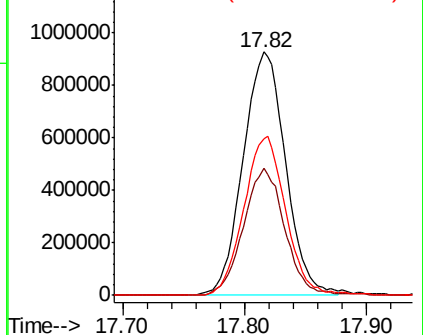


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

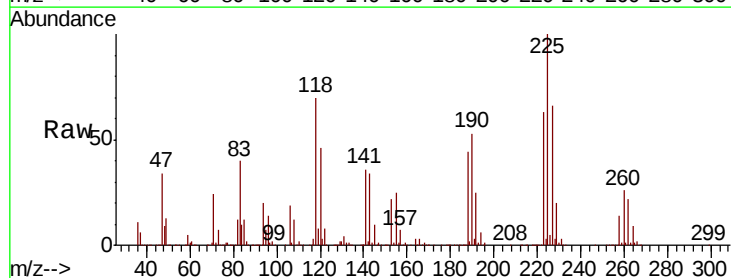
Ion 148.00 (147.70 to 148.70): V



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.153 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. -0.01 min
 Lab File: VL039253.D
 Acq: 13 Jun 2022 12:34

Tgt Ion:225 Resp: 1889565

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.4	77.0
227	64.6	50.6	75.8

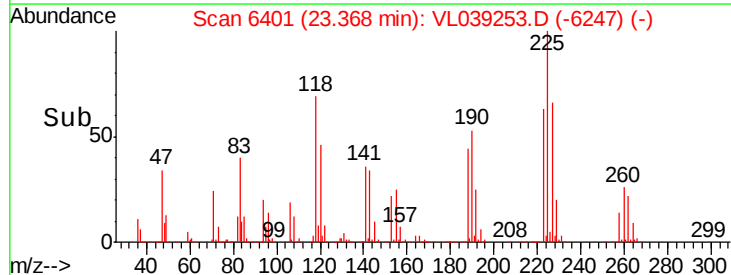
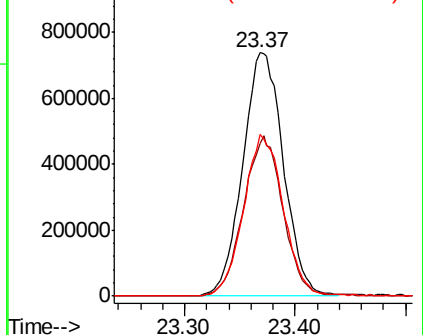


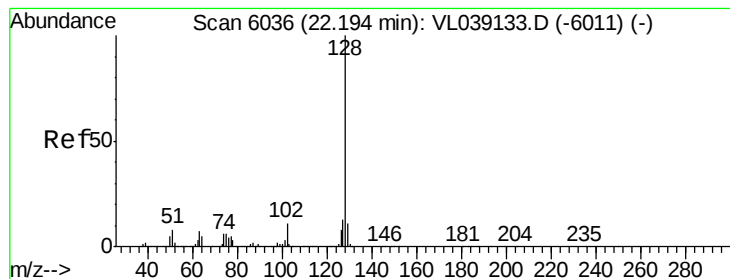
Abundance

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: 8.649 ppbv

RT: 22.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jun 2022 12:34

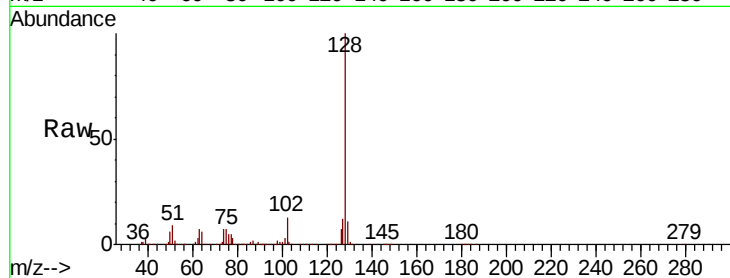
Tot Ion:128 Resp: 3371721

Ion Ratio Lower Upper

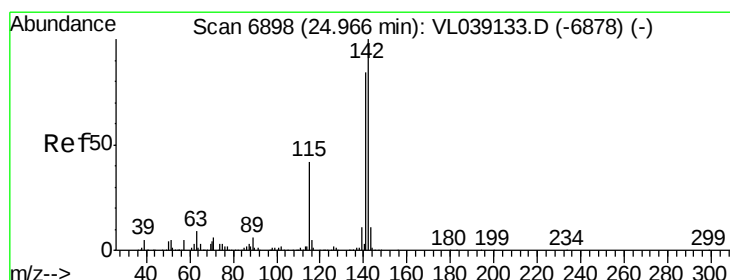
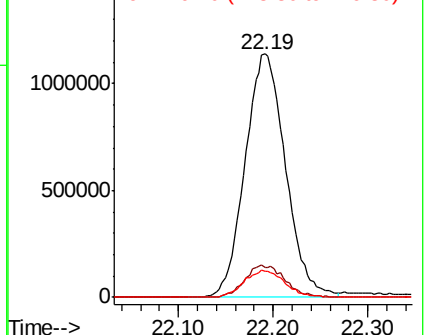
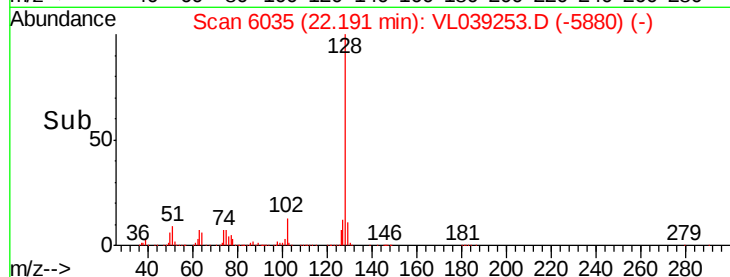
128 100

127 12.4 10.4 15.6

129 10.6 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: 6.519 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL039253.D

Acq: 13 Jun 2022 12:34

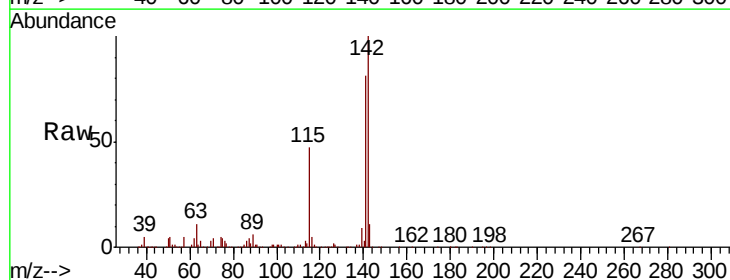
Tgt Ion:142 Resp: 944194

Ion Ratio Lower Upper

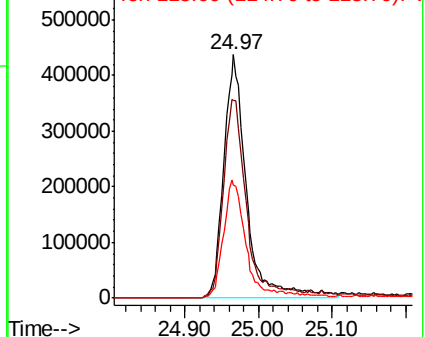
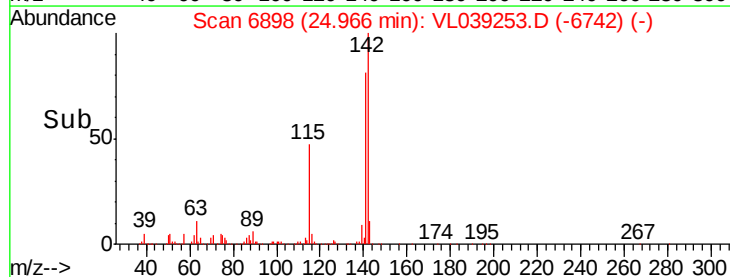
142 100

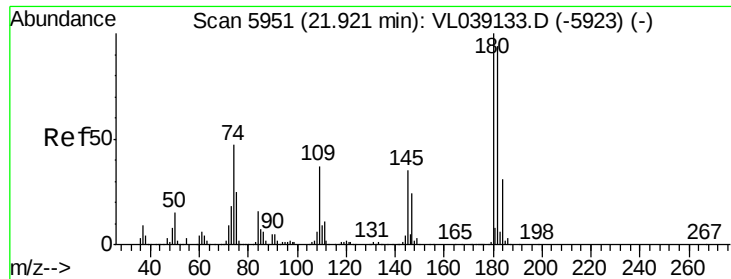
141 86.5 64.6 96.8

115 51.2 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: 7.933 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jun 2022 12:34

Tot Ion:180 Resp: 1959288
 Ion Ratio Lower Upper
 180 100
 182 97.8 0.0 0.0#
 184 31.0 0.0 0.0#

