

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039508.D
 Acq On : 20 Jul 2022 11:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jul 21 05:29:07 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	977996	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	2736468	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3345743	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2082913	8.39	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	2230545	15.812	ppbv 99
3) Chlorodifluoromethane	3.00	51	1336528	10.772	ppbv 100
4) Chloromethane	3.15	50	727647	10.722	ppbv 98
5) Vinyl Chloride	3.27	62	717792	10.727	ppbv 100
6) Bromomethane	3.48	94	315930	11.218	ppbv 93
7) Chloroethane	3.57	64	264542	11.114	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	1742424	11.307	ppbv 99
9) Propene	3.02	41	604122	10.781	ppbv 98
10) Heptane	8.14	43	1491239	11.362	ppbv 98
11) Trichlorofluoromethane	3.96	101	1701035	10.821	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1259452	10.747	ppbv 99
13) Ethanol	3.61	45	16140	4.965	ppbv 56
14) Bromoethene	3.75	108	543535	11.033	ppbv 99
15) Acetone	3.85	43	1252321	10.824	ppbv 98
16) 1,3-Butadiene	3.34	39	672795	11.207	ppbv 99
17) tert-Butyl alcohol	4.29	59	1076042	10.957	ppbv 100
18) 1,1-Dichloroethene	4.30	96	559141	10.532	ppbv 96
19) Isopropyl Alcohol	3.97	45	587204	9.514	ppbv 99
20) Methylene Chloride	4.35	84	466321	10.111	ppbv 97
21) Allyl Chloride	4.42	41	885994	11.056	ppbv 97
22) trans-1,2-Dichloroethene	4.90	96	575378	11.196	ppbv 99
23) Vinyl Acetate	5.08	43	1006296	13.014	ppbv 97
24) 1,1-Dichloroethane	5.02	63	1226530	11.231	ppbv 99
25) Ethyl Acetate	5.68	43	2689177	11.335	ppbv 99
26) Hexane	5.70	57	1161305	12.143	ppbv 99
27) Carbon Disulfide	4.56	76	1337546	11.587	ppbv 100
28) Methyl tert-Butyl Ether	5.04	73	1202633	11.762	ppbv 96
29) Chloroform	5.76	83	1858027	11.173	ppbv 100
30) Cyclohexane	7.14	84	982090	11.280	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1160171	11.433	ppbv 96
32) 1,1,1-Trichloroethane	6.53	97	1856098	11.308	ppbv 100
34) 2-Butanone	5.25	43	1623140	11.783	ppbv 99
35) Carbon Tetrachloride	7.03	117	1988762	11.762	ppbv 100
36) Benzene	6.91	78	2411886	11.388	ppbv 96
37) 1,2-Dichloroethane	6.32	62	1394918	11.159	ppbv 100
38) Trichloroethene	7.85	130	1291205	11.272	ppbv 98
39) 1,2-Dichloropropane	7.63	63	896625	11.332	ppbv 99
40) 1,4-Dioxane	7.84	88	148780	4.719	ppbv # 1
41) Tetrahydrofuran	6.06	42	945259	11.842	ppbv 99
42) Bromodichloromethane	7.81	83	1985548	11.780	ppbv 98
43) Methyl Methacrylate	8.02	69	983236	12.209	ppbv 99

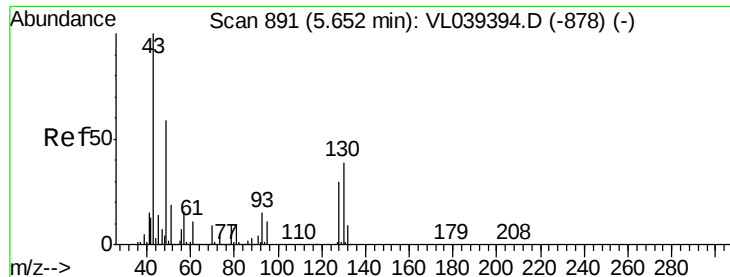
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
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Quant Time: Jul 21 05:29:07 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3999312	11.143	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	989144	13.796	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1274783	12.917	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	994625	11.204	ppbv	98
48) Dibromochloromethane	10.32	129	1787405	12.668	ppbv	99
49) Bromoform	13.06	173	1489530	13.085	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2531441	12.154	ppbv	98
51) 2-Hexanone	10.14	43	1957699	12.426	ppbv	100
52) Tetrachloroethene	11.24	164	954561	11.196	ppbv	99
53) Toluene	9.82	91	2895732	11.853	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1306444	11.827	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1303551	8.820	ppbv	97
57) Chlorobenzene	12.16	112	2214785	8.538	ppbv	99
58) Ethyl Benzene	12.73	91	3862596	8.941	ppbv	100
59) m/p-Xylene	13.01	91	3526535	9.259	ppbv #	37
60) o-Xylene	13.71	91	3221290	8.932	ppbv	100
61) Styrene	13.54	104	1914318	9.798	ppbv	99
62) Isopropylbenzene	14.68	105	4797178	8.734	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	1528017	8.083	ppbv	99
64) n-propylbenzene	15.57	120	1264420	9.083	ppbv	97
65) tert-Butylbenzene	16.76	119	4424568	8.718	ppbv	99
66) Benzyl Chloride	17.00	91	474296	9.834	ppbv	98
67) sec-Butylbenzene	17.31	105	6018660	8.804	ppbv	99
69) p-Isopropyltoluene	17.66	119	5201849	8.968	ppbv	99
70) n-Butylbenzene	18.56	91	5007935	8.895	ppbv	100
71) 2-Chlorotoluene	15.47	91	3523067	8.962	ppbv	99
72) 4-Ethyltoluene	15.85	105	3892137	9.179	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3577655	9.186	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	3846837	8.929	ppbv	96
75) 1,3-Dichlorobenzene	17.01	146	2290690	8.913	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2222631	8.726	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2215110	8.695	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1574603	7.686	ppbv	99
79) Naphthalene	22.21	128	2994097	10.098	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	969341	9.606	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	1738477	9.002	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 20 Jul 2022 11:39

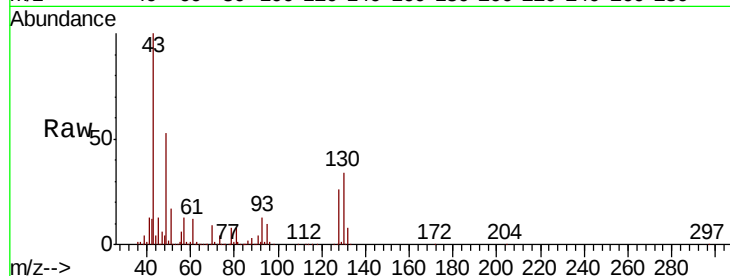
Tot Ion: 49 Resp: 977996

Ion Ratio Lower Upper

49 100

128 53.4 26.7 80.0

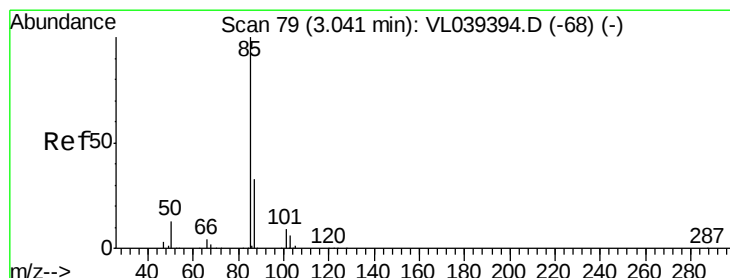
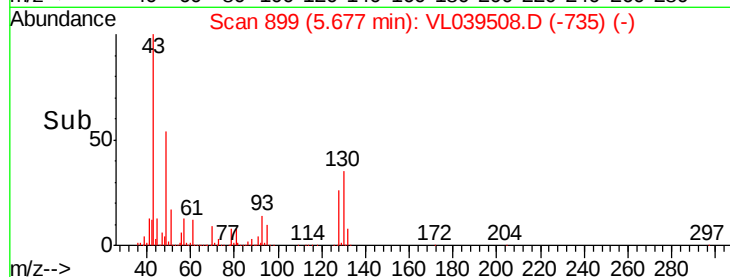
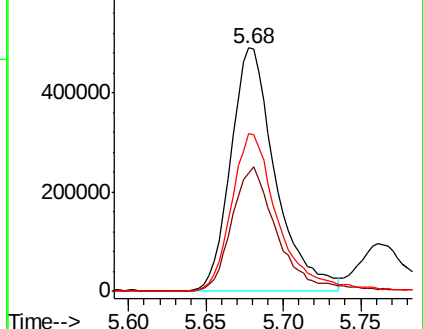
130 68.8 34.3 102.8



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: 15.812 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL039508.D

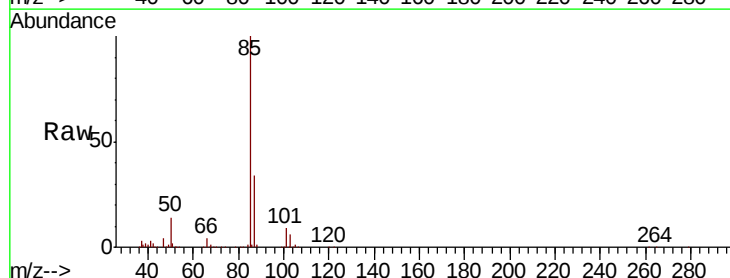
Acq: 20 Jul 2022 11:39

Tgt Ion: 85 Resp: 2230545

Ion Ratio Lower Upper

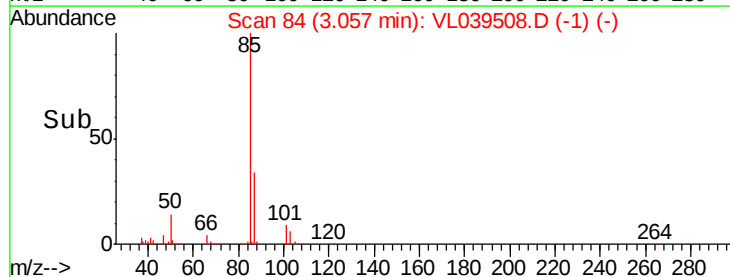
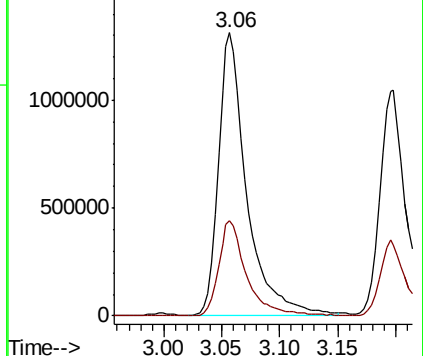
85 100

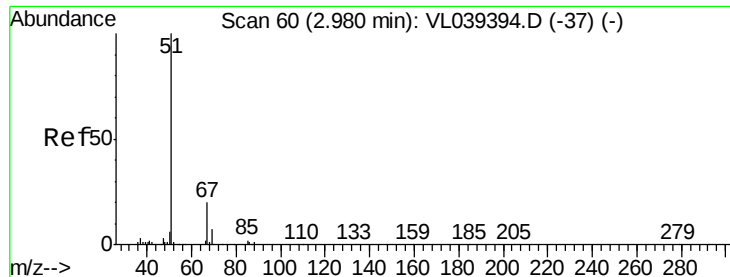
87 33.8 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.772 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

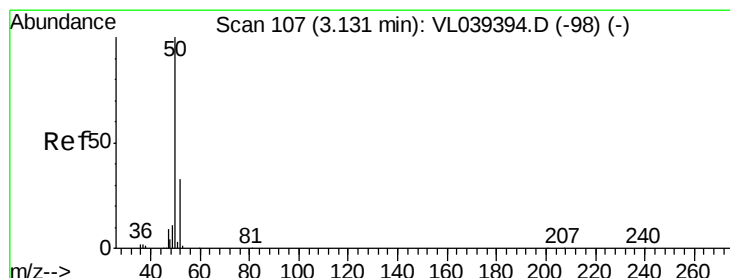
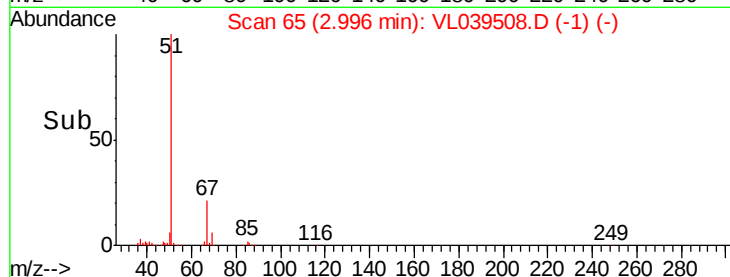
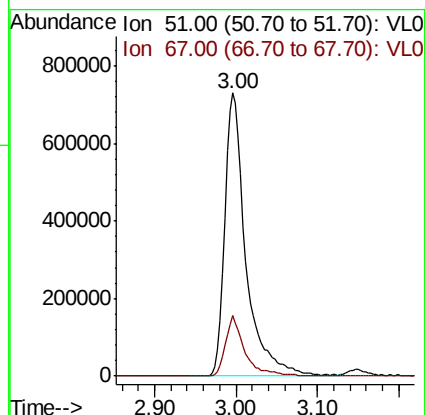
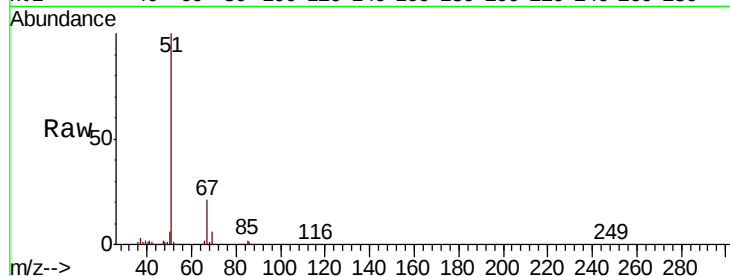
Acq: 20 Jul 2022 11:39 VSTDCCC010EC

Tot Ion: 51 Resp: 1336528

Ion Ratio Lower Upper

51 100

67 19.7 15.7 23.5



#4

Chloromethane

Concen: 10.722 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.02 min

Lab File: VL039508.D

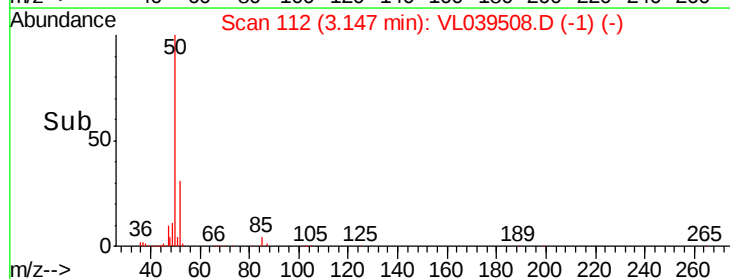
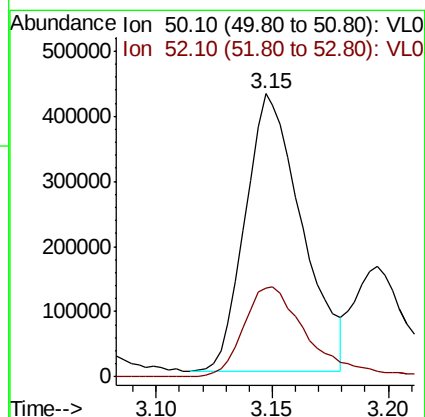
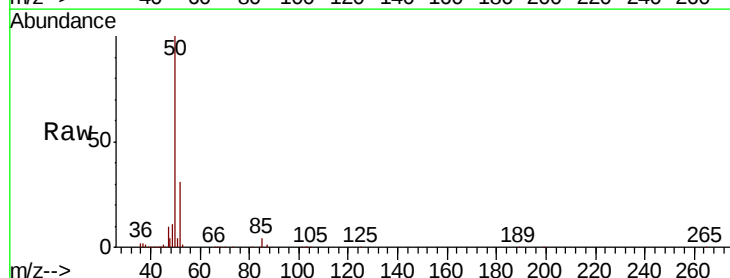
Acq: 20 Jul 2022 11:39

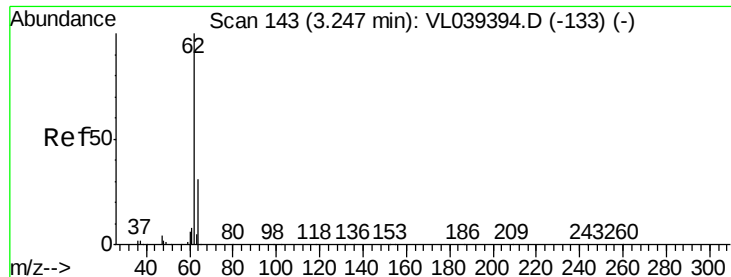
Tgt Ion: 50 Resp: 727647

Ion Ratio Lower Upper

50 100

52 31.9 26.5 39.7





#5

Vinyl Chloride

Concen: 10.727 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

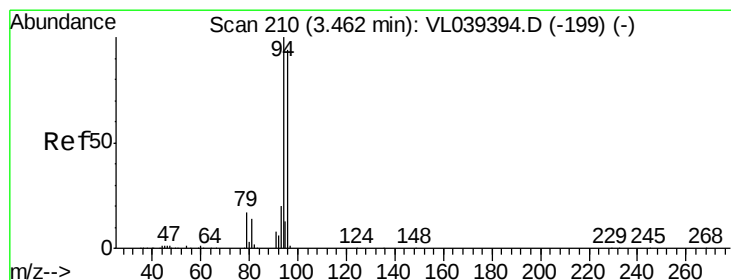
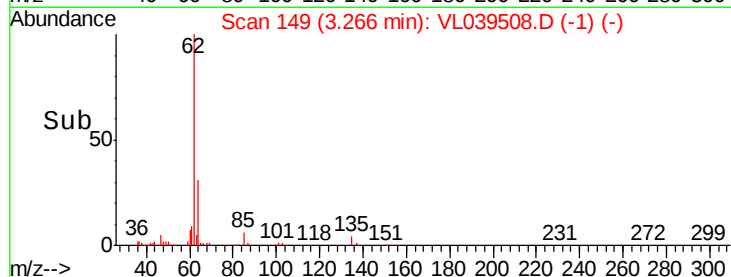
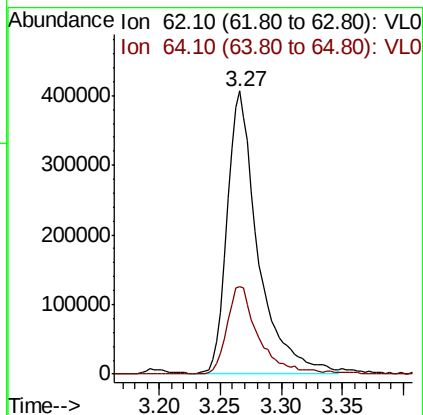
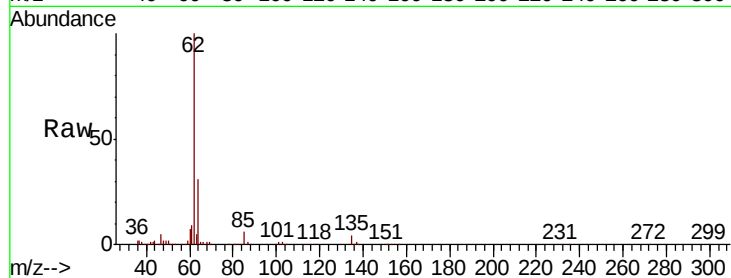
Acq: 20 Jul 2022 11:39 VSTDCCC010EC

Tot Ion: 62 Resp: 717792

Ion Ratio Lower Upper

62 100

64 30.9 24.6 36.8



#6

Bromomethane

Concen: 11.218 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL039508.D

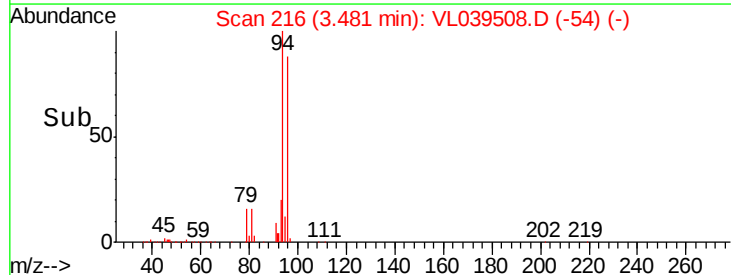
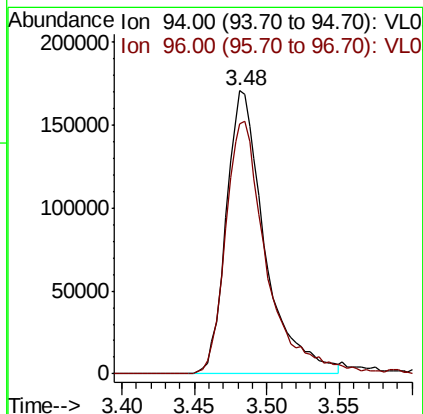
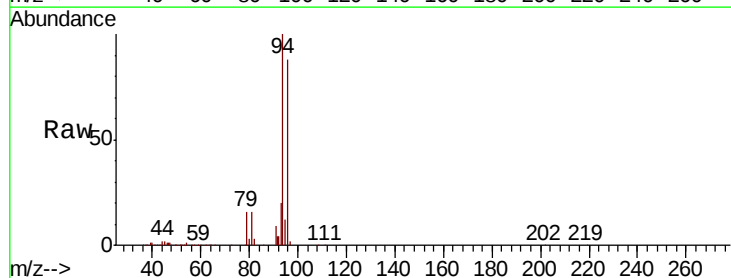
Acq: 20 Jul 2022 11:39

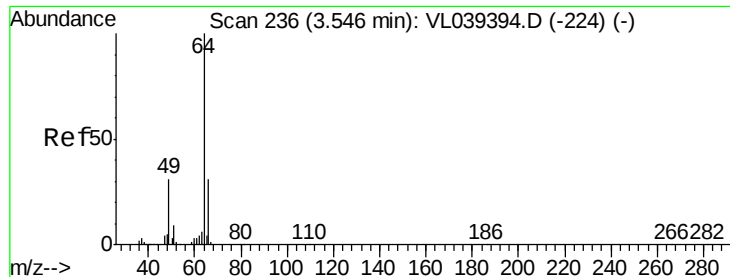
Tgt Ion: 94 Resp: 315930

Ion Ratio Lower Upper

94 100

96 88.1 75.6 113.4





#7

Chloroethane

Concen: 11.114 ppbv

RT: 3.57

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

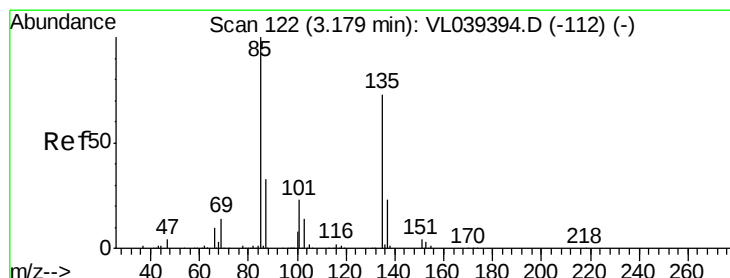
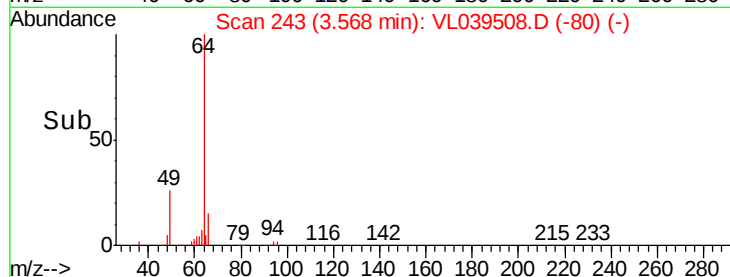
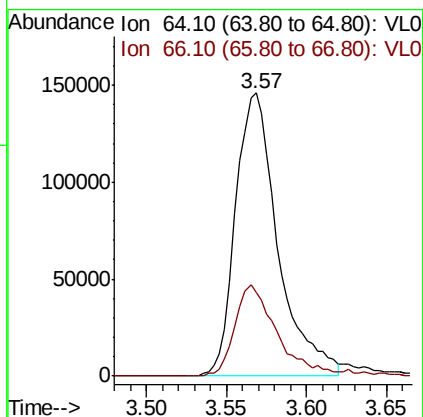
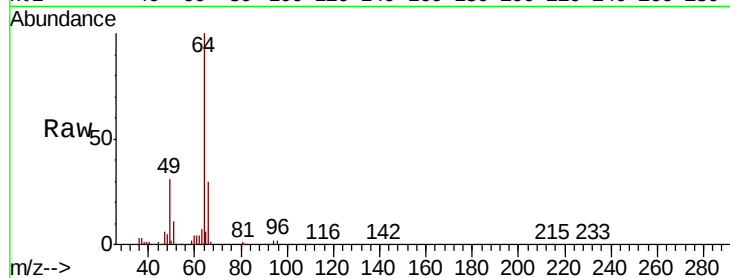
Acq: 20 Jul 2022 11:39

Tot Ion: 64 Resp: 264542

Ion Ratio Lower Upper

64 100

66 29.6 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 11.307 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL039508.D

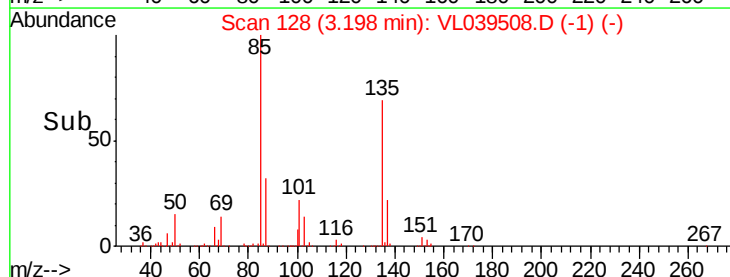
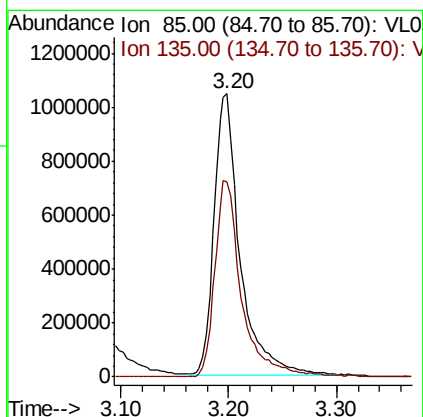
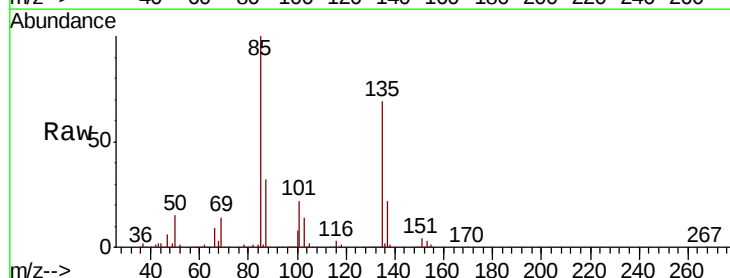
Acq: 20 Jul 2022 11:39

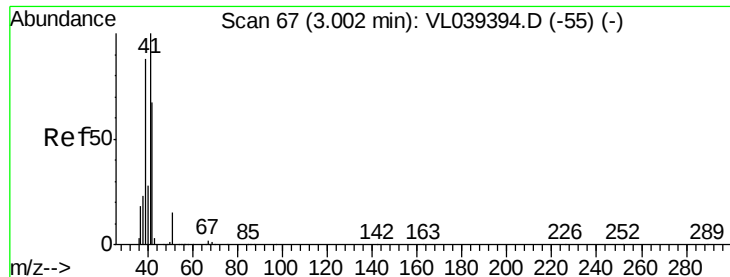
Tgt Ion: 85 Resp: 1742424

Ion Ratio Lower Upper

85 100

135 72.5 59.0 88.4





#9

Propene

Concen: 10.781 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: ClientSampleId: VSTDCCC010EC

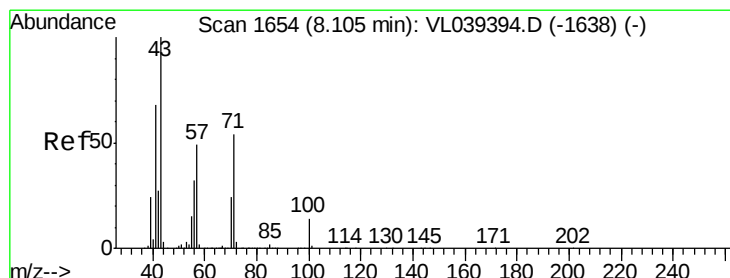
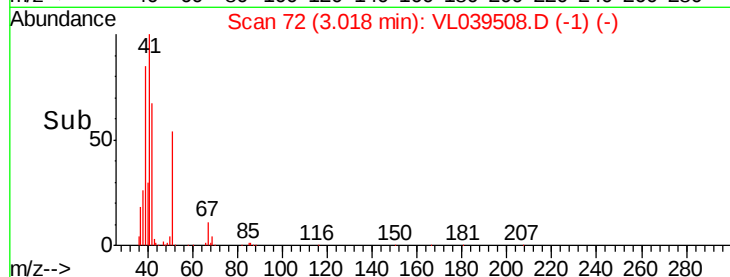
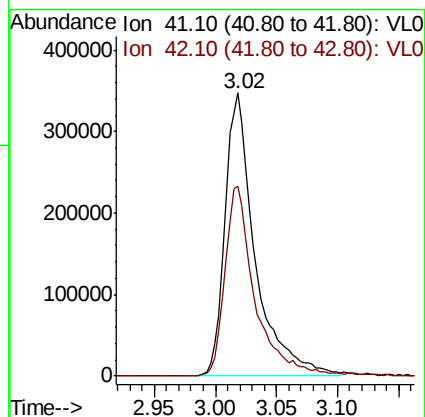
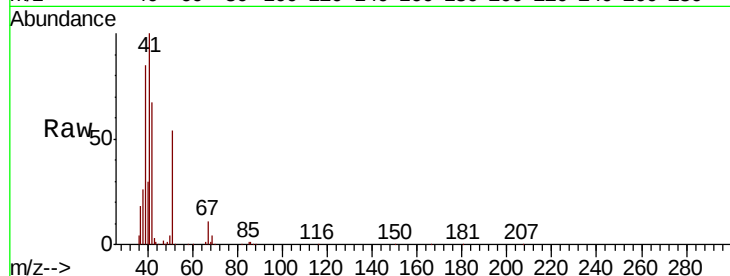
Acq: 20 Jul 2022 11:39

Tot Ion: 41 Resp: 604122

Ion Ratio Lower Upper

41 100

42 67.4 55.2 82.8



#10

Heptane

Concen: 11.362 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.03 min

Lab File: VL039508.D

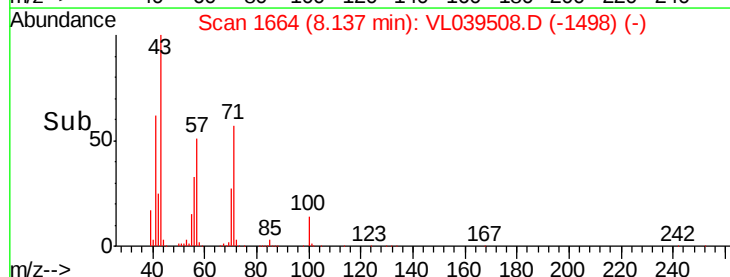
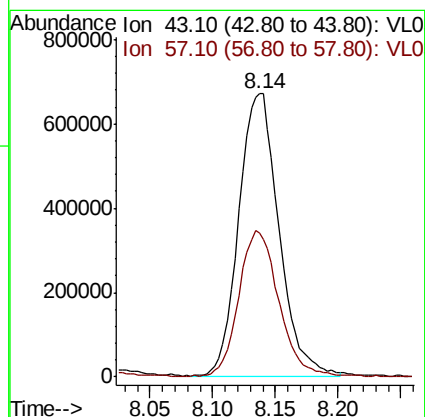
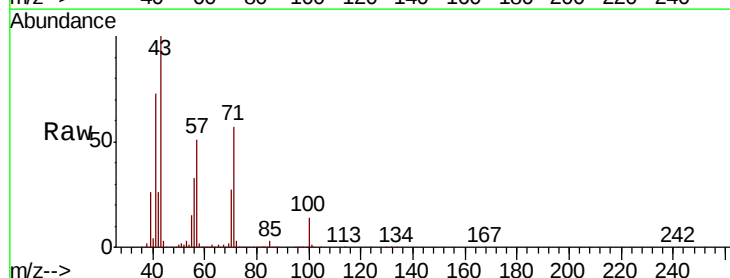
Acq: 20 Jul 2022 11:39

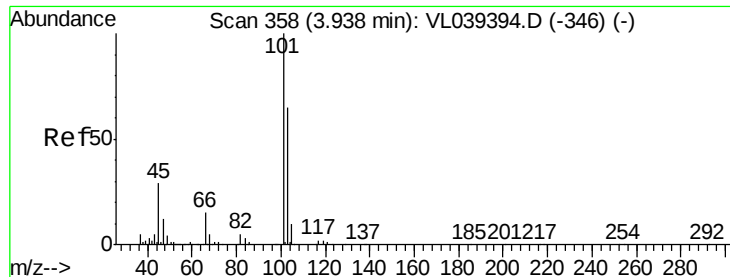
Tgt Ion: 43 Resp: 1491239

Ion Ratio Lower Upper

43 100

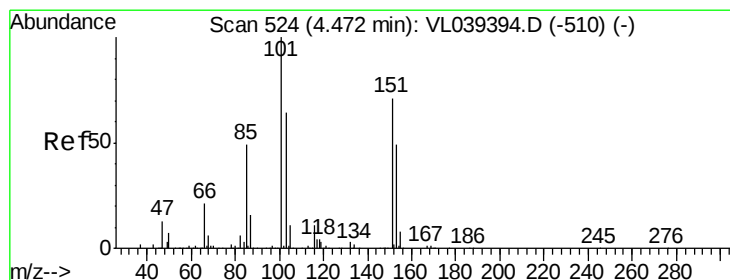
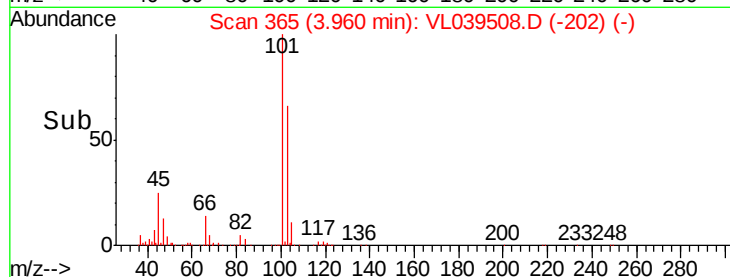
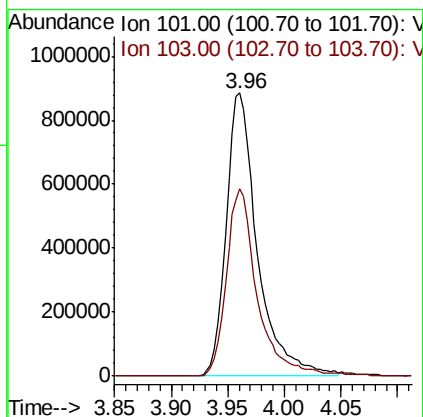
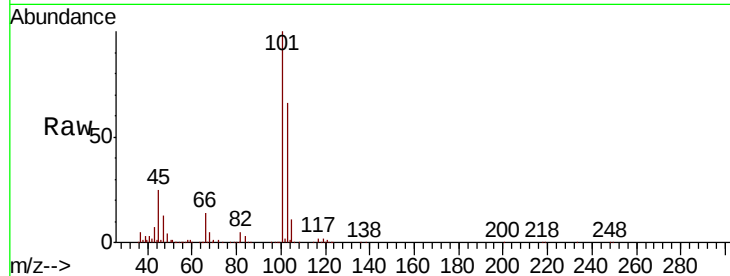
57 51.8 40.5 60.7





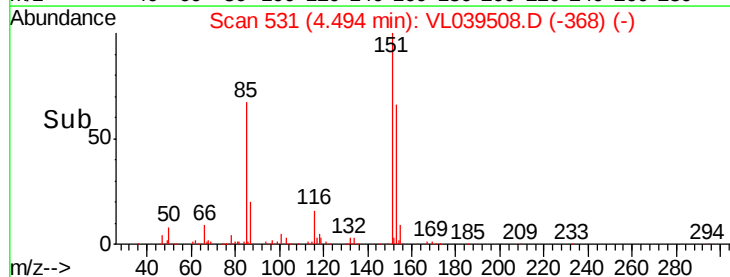
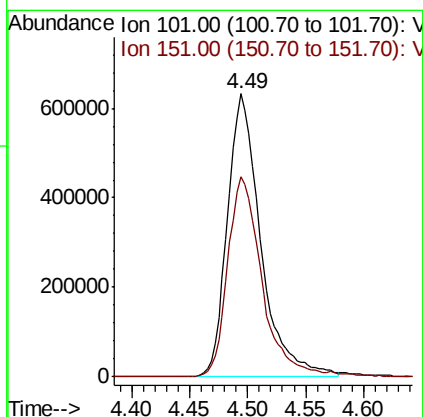
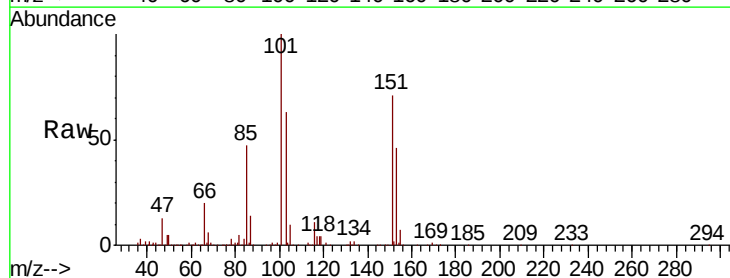
#11
 Trichlorofluoromethane
 Concen: 10.821 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

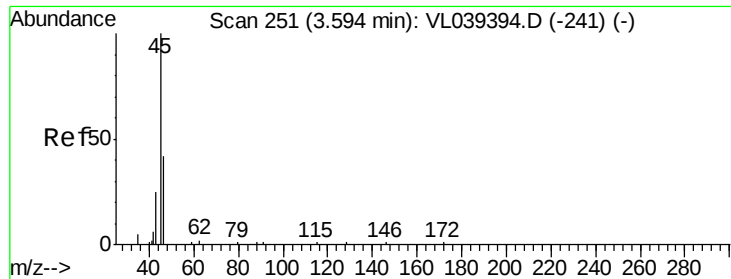
Tot Ion:101 Resp: 1701035
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.747 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T.: 0.02 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

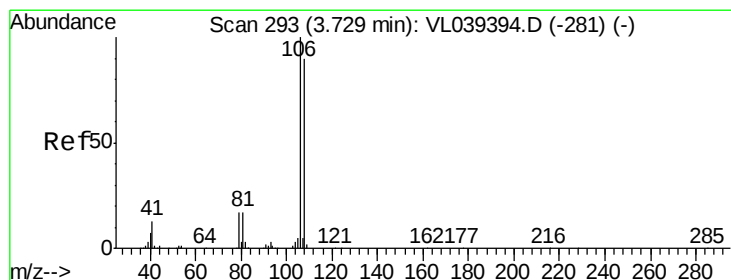
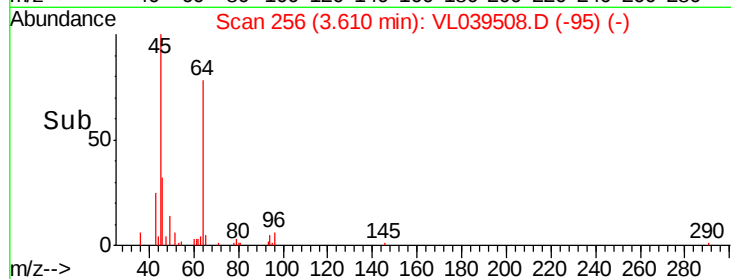
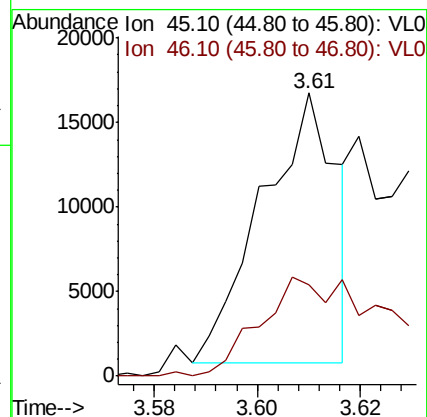
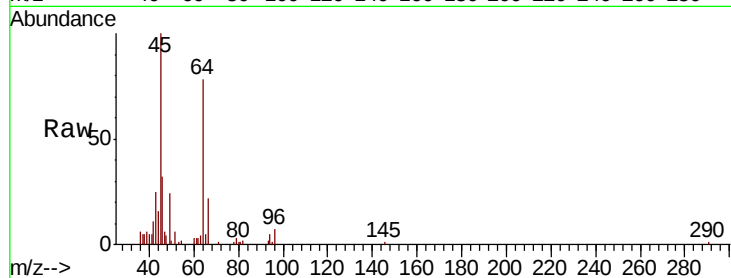
Tgt Ion:101 Resp: 1259452
 Ion Ratio Lower Upper
 101 100
 151 73.1 58.9 88.3





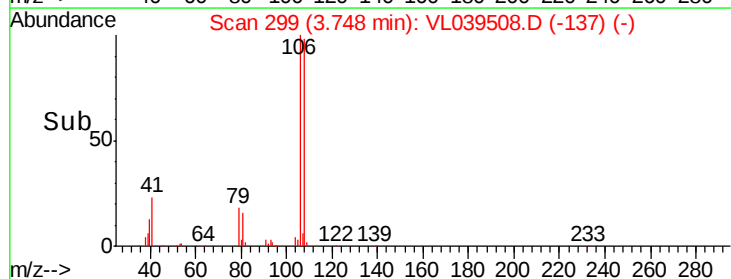
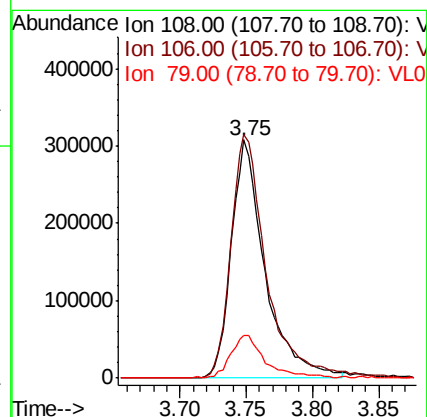
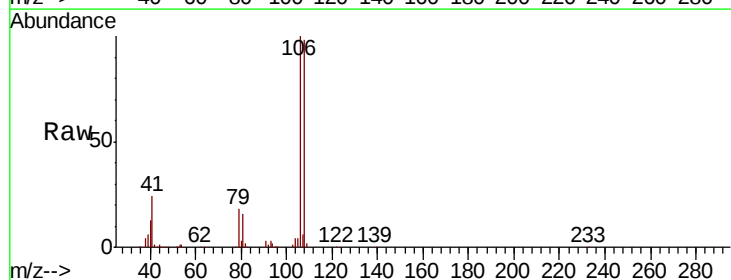
#13
Ethanol
Concen: 4.965 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 20 Jul 2022 11:39

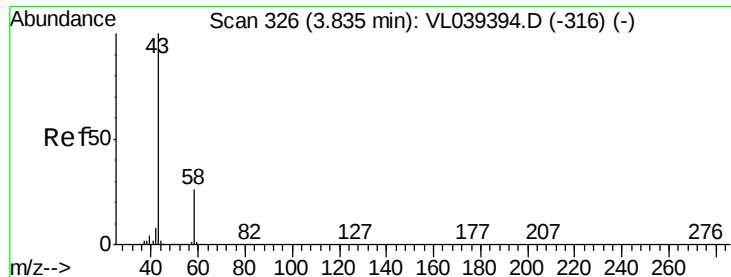
Tot Ion: 45 Resp: 16140
Ion Ratio Lower Upper
45 100
46 89.5 22.8 91.2



#14
Bromoethene
Concen: 11.033 ppbv
RT: 3.75 min Scan# 299
Delta R.T. 0.02 min
Lab File: VL039508.D
Acq: 20 Jul 2022 11:39

Tgt Ion: 108 Resp: 543535
Ion Ratio Lower Upper
108 100
106 109.3 87.1 130.7
79 19.3 14.6 22.0





#15

Acetone

Concen: 10.824 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

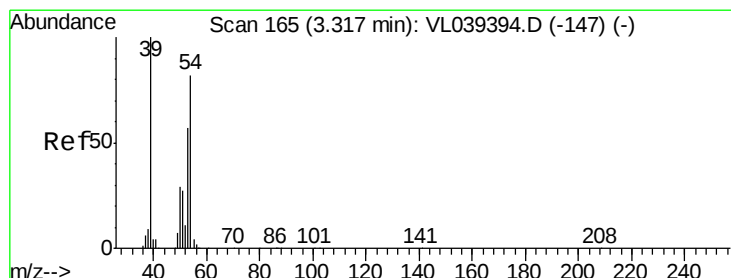
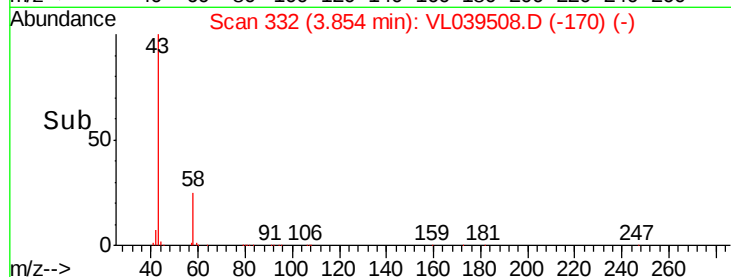
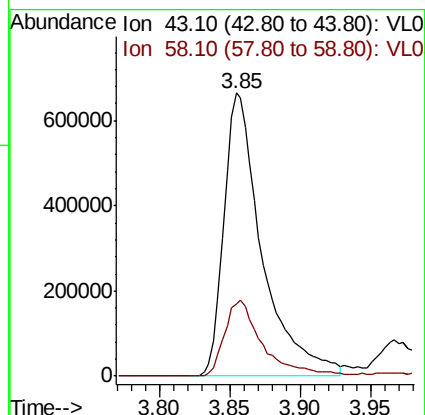
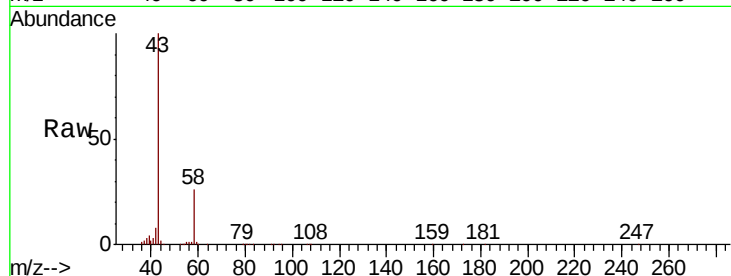
Acq: 20 Jul 2022 11:39 VSTDCCC010EC

Tot Ion: 43 Resp: 1252321

Ion Ratio Lower Upper

43 100

58 27.3 21.0 31.6



#16

1,3-Butadiene

Concen: 11.207 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL039508.D

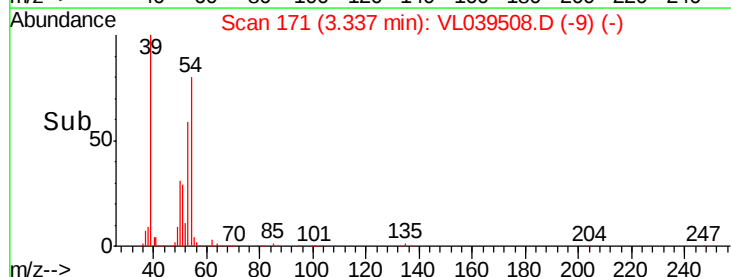
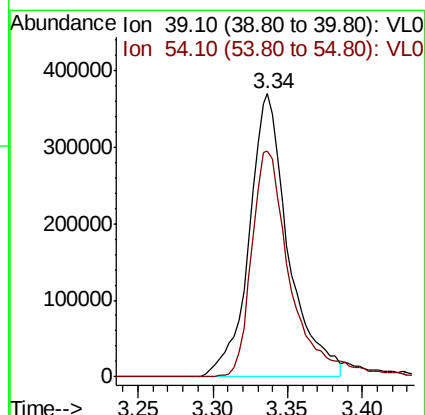
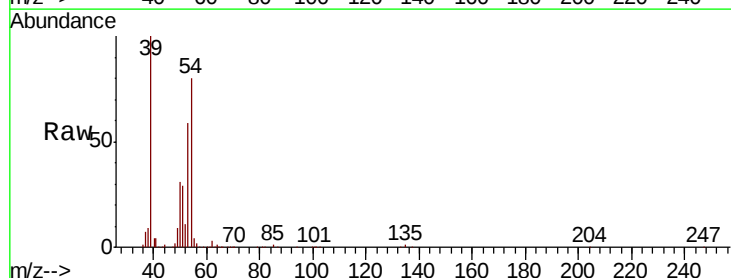
Acq: 20 Jul 2022 11:39

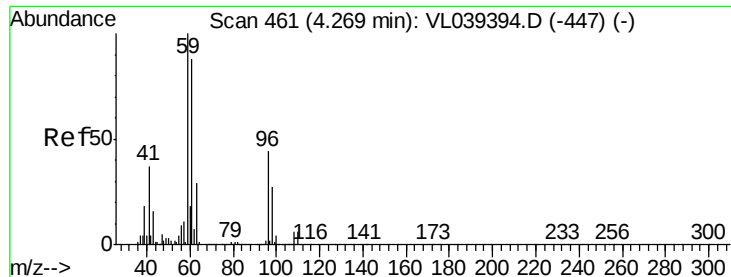
Tgt Ion: 39 Resp: 672795

Ion Ratio Lower Upper

39 100

54 80.5 63.7 95.5





#17

tert-Butyl alcohol

Concen: 10.957 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

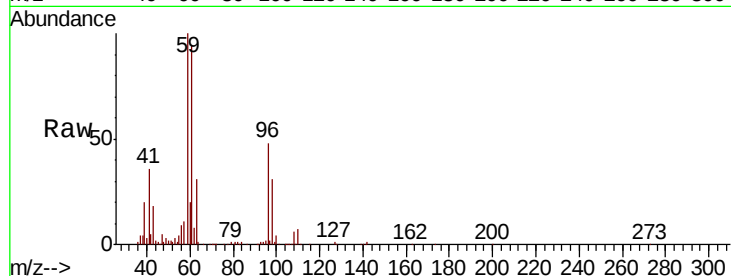
Acq: 20 Jul 2022 11:39

Tot Ion: 59 Resp: 1076042

Ion Ratio Lower Upper

59 100

57 10.9 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

500000

400000

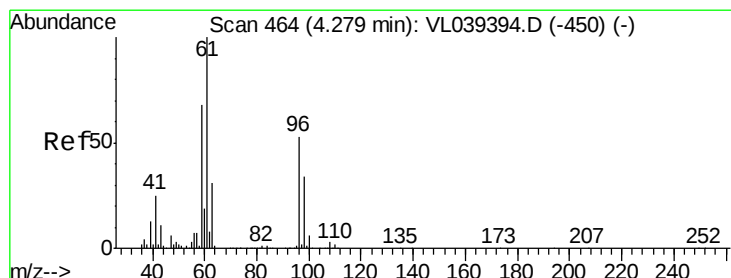
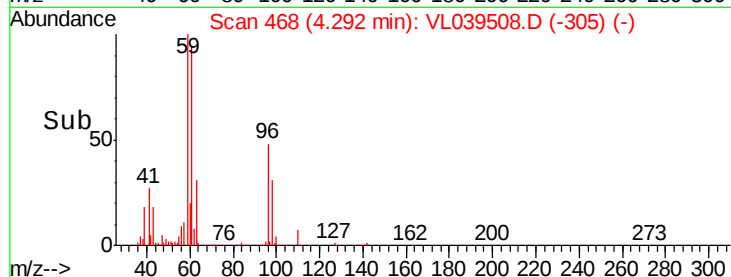
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 10.532 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

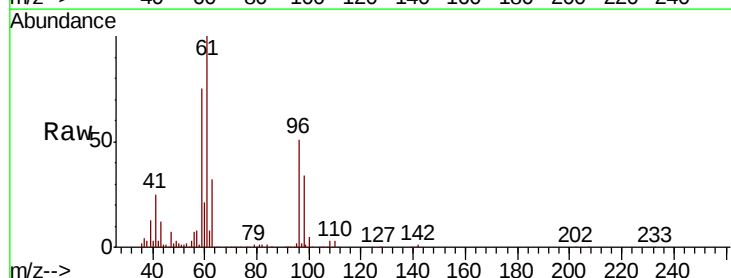
Tgt Ion: 96 Resp: 559141

Ion Ratio Lower Upper

96 100

61 196.5 152.2 228.4

98 66.2 51.8 77.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

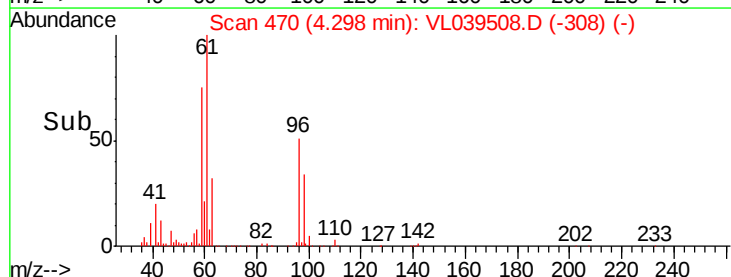
600000

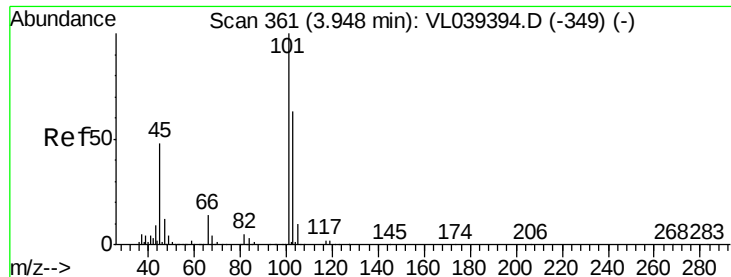
400000

200000

0

Time--> 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 9.514 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

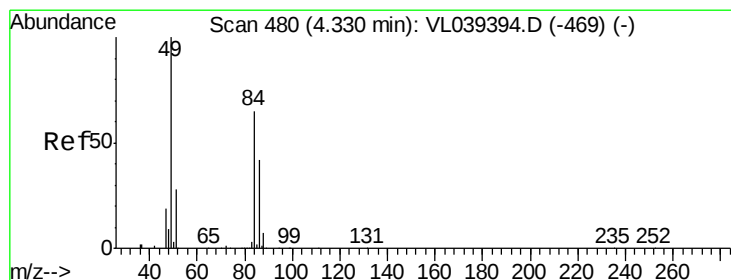
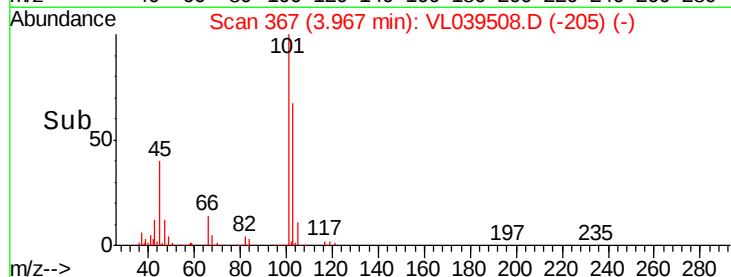
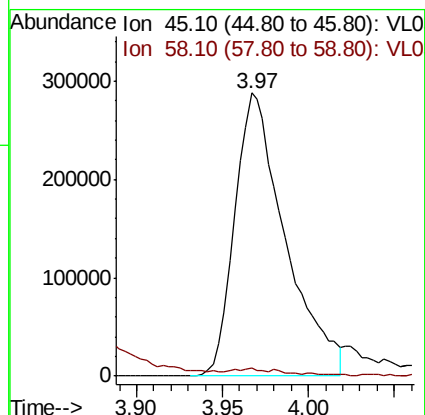
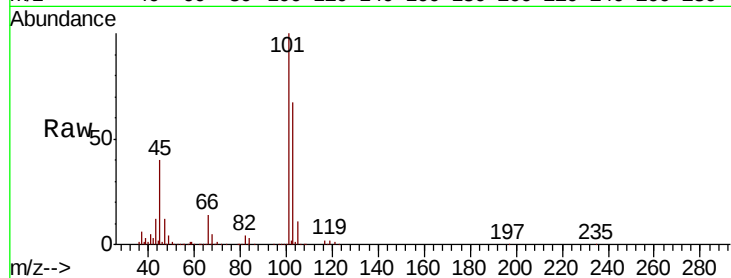
Acq: 20 Jul 2022 11:39 VSTDCCC010EC

Tot Ion: 45 Resp: 587204

Ion Ratio Lower Upper

45 100

58 3.6 3.2 4.8



#20

Methylene Chloride

Concen: 10.111 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

Tgt Ion: 84 Resp: 466321

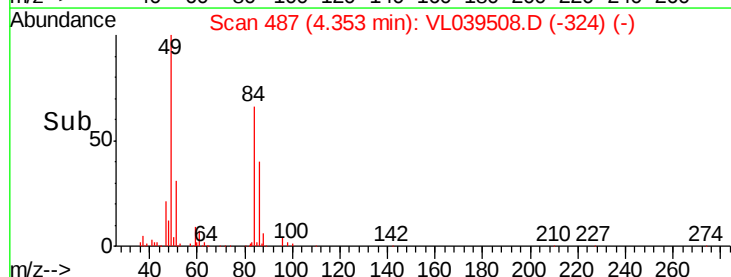
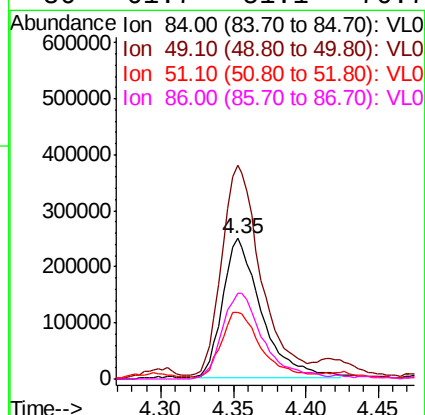
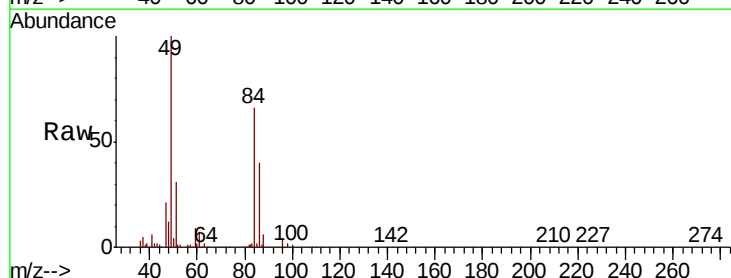
Ion Ratio Lower Upper

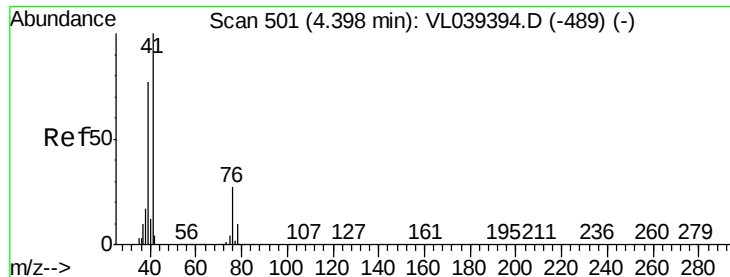
84 100

49 150.2 123.1 184.7

51 45.8 34.4 51.6

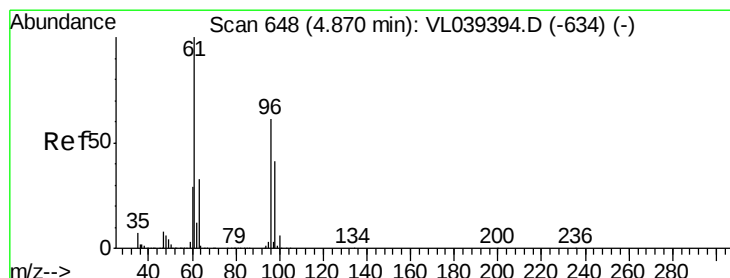
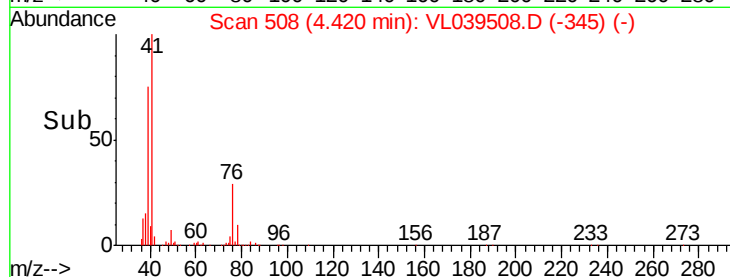
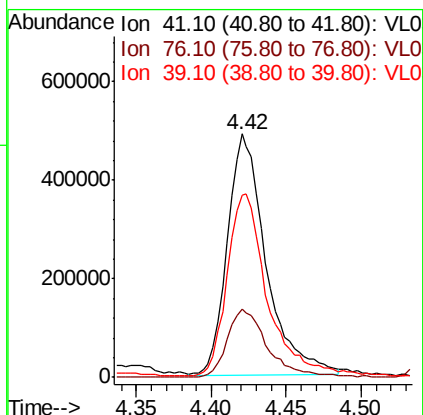
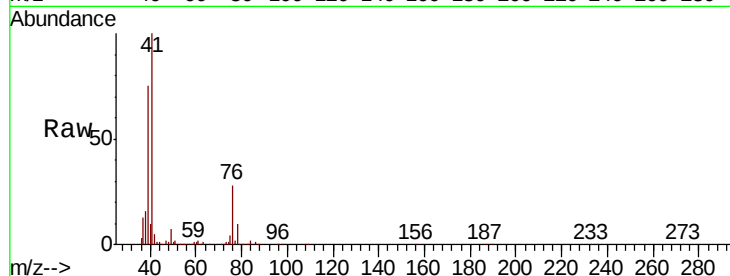
86 61.7 51.1 76.7





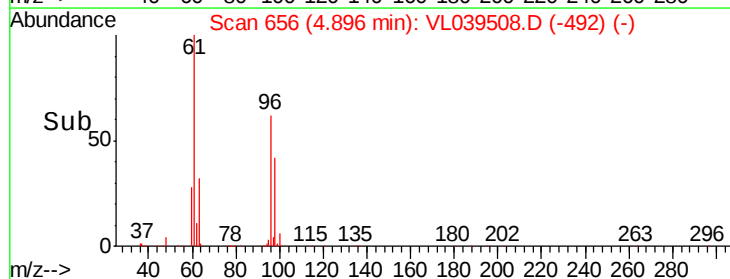
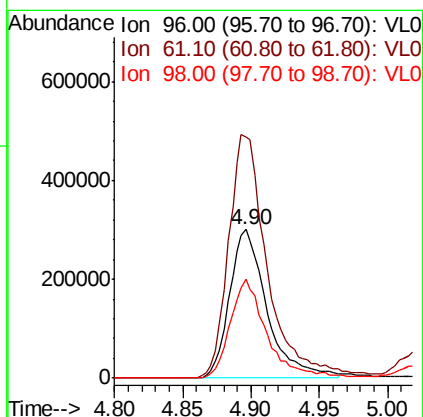
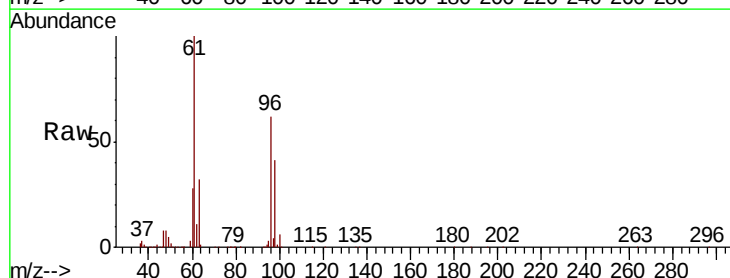
#21
 Allvl Chloride
 Concen: 11.056 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

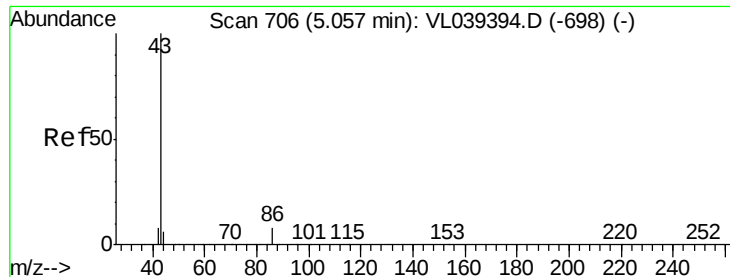
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.6	24.4	36.6
39	82.0	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 11.196 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.03 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.3	130.6	195.8
98	66.6	53.4	80.0

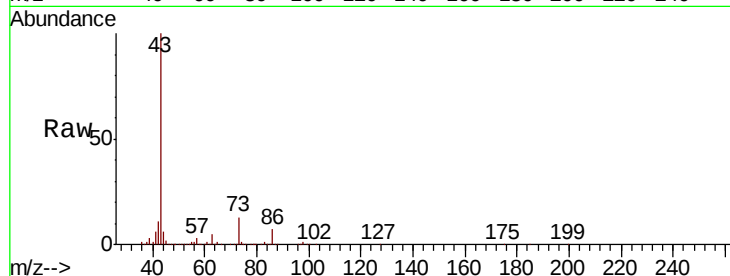




#23
 Vinyl Acetate
 Concen: 13.014 ppbv
 RT: 5.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

Tot Ion: 43 Resp: 1006296

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.0	7.6
42	10.7	7.7	11.5
44	4.9	4.6	7.0



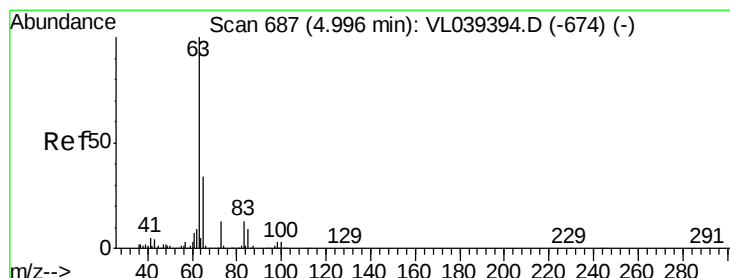
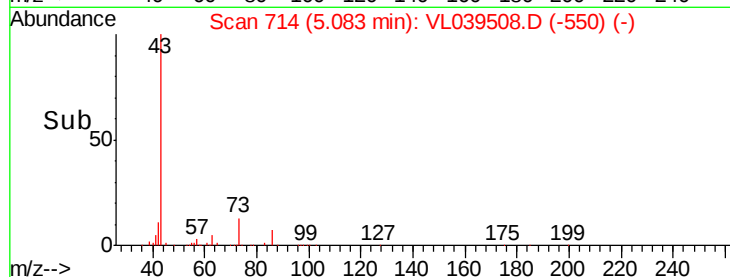
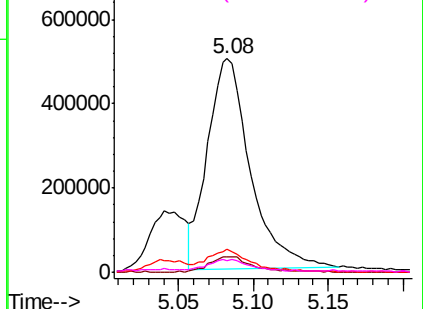
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

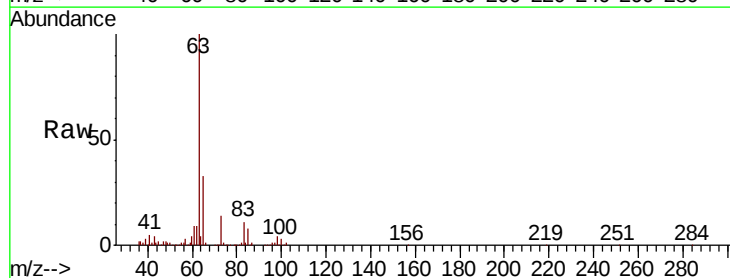
Ion 44.10 (43.80 to 44.80): VL0



#24
 1,1-Dichloroethane
 Concen: 11.231 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T.: 0.03 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

Tgt Ion: 63 Resp: 1226530

Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.3
100	2.6	1.5	4.4

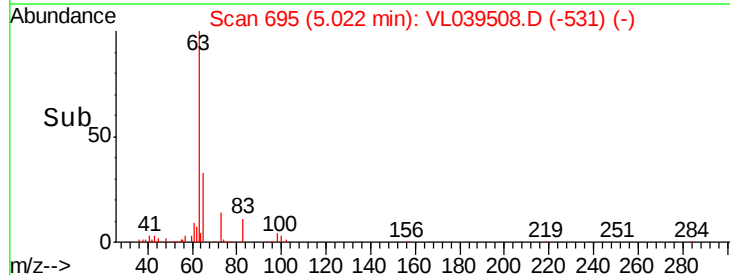
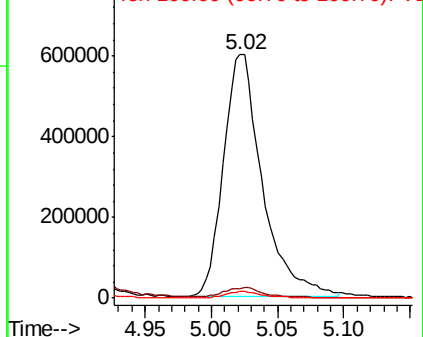


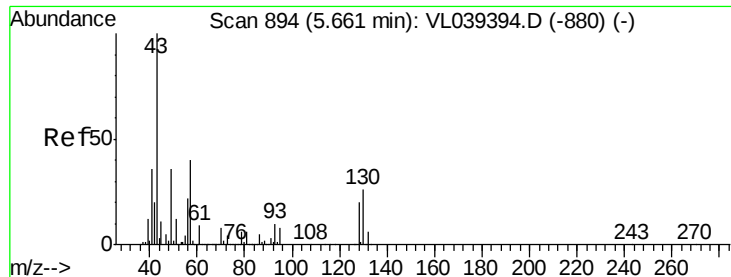
Abundance

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

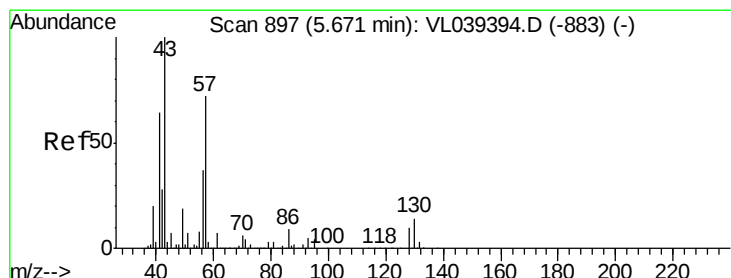
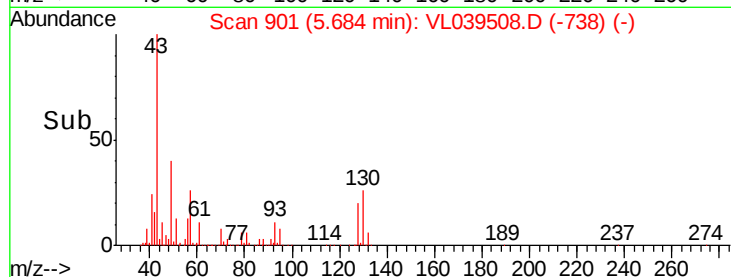
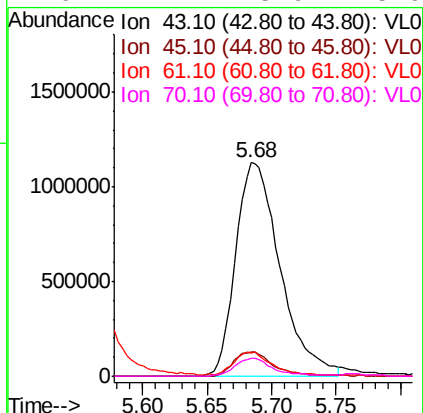
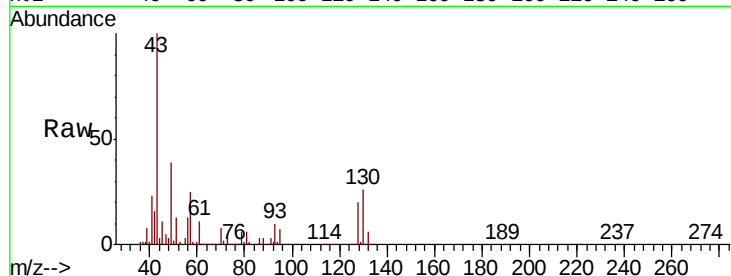




#25
Ethyl Acetate
Concen: 11.335 ppbv
RT: 5.68
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 20 Jul 2022 11:39

Tot Ion: 43 Resp: 2689177

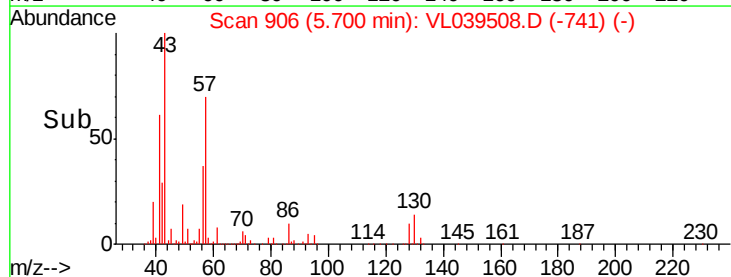
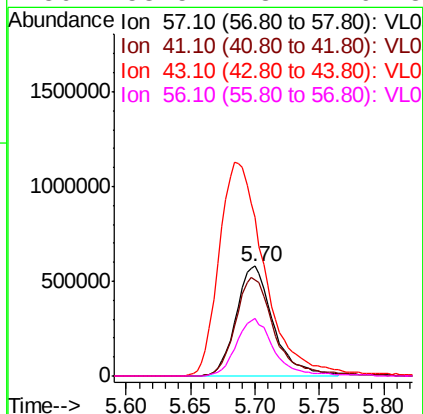
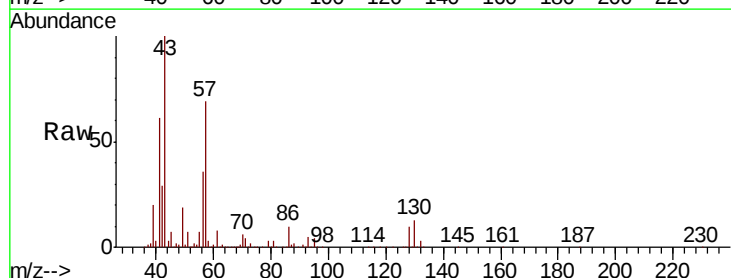
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.2	12.4
61	10.7	8.3	12.5
70	7.2	5.9	8.9

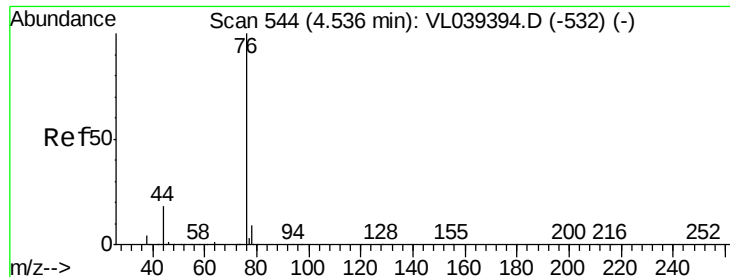


#26
Hexane
Concen: 12.143 ppbv
RT: 5.70 min Scan# 906
Delta R.T.: 0.03 min
Lab File: VL039508.D
Acq: 20 Jul 2022 11:39

Tgt Ion: 57 Resp: 1161305

Ion	Ratio	Lower	Upper
57	100		
41	94.4	76.9	115.3
43	238.0	191.0	286.6
56	53.5	43.2	64.8





#27

Carbon Disulfide

Concen: 11.587 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39 VSTDCCC010EC

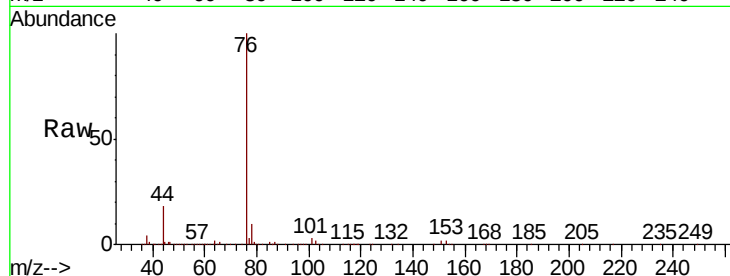
Tot Ion: 76 Resp: 1337546

Ion Ratio Lower Upper

76 100

44 18.2 14.6 21.8

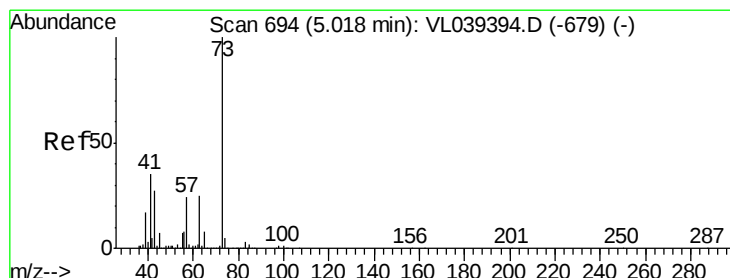
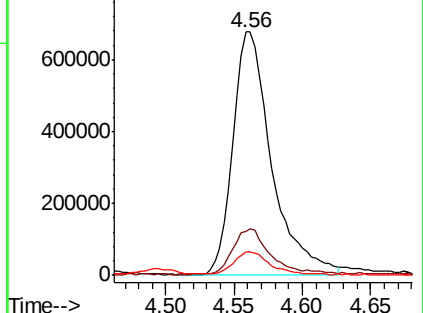
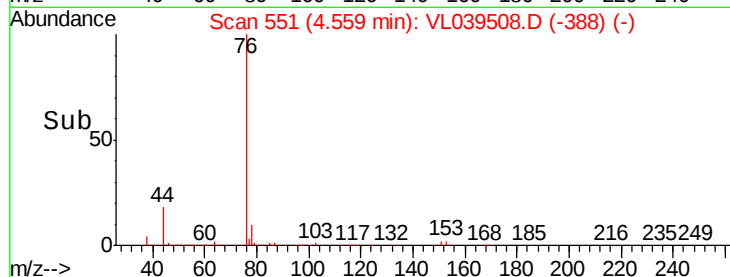
78 10.0 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.762 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.03 min

Lab File: VL039508.D

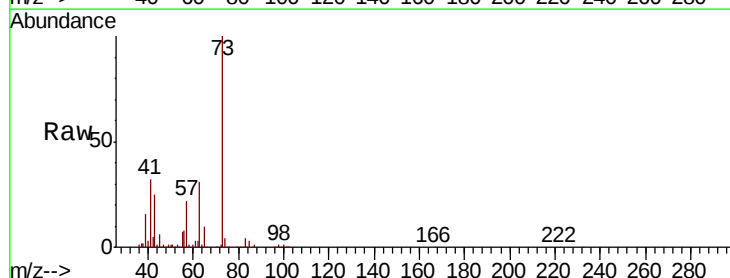
Acq: 20 Jul 2022 11:39

Tgt Ion: 73 Resp: 1202633

Ion Ratio Lower Upper

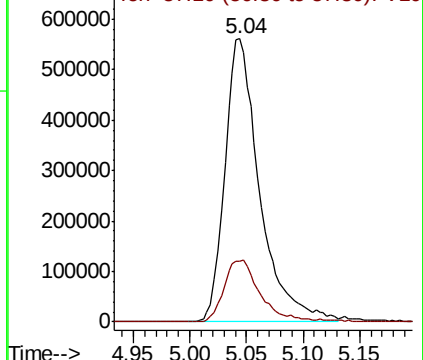
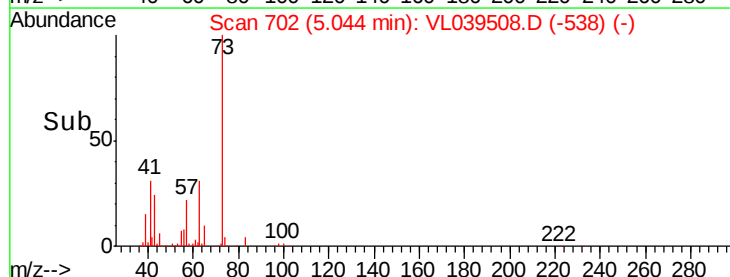
73 100

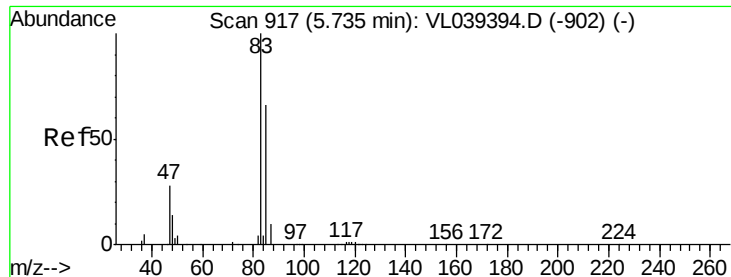
57 23.0 19.8 29.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 11.173 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

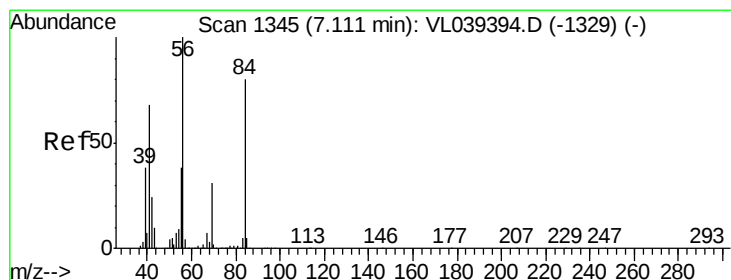
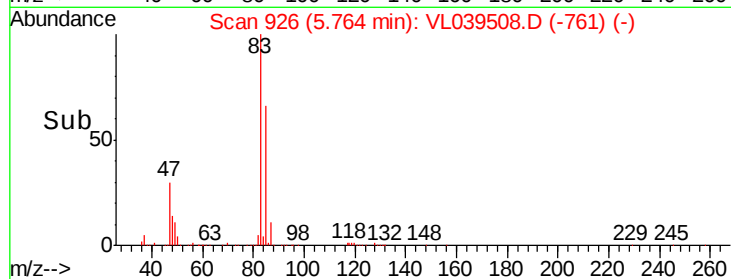
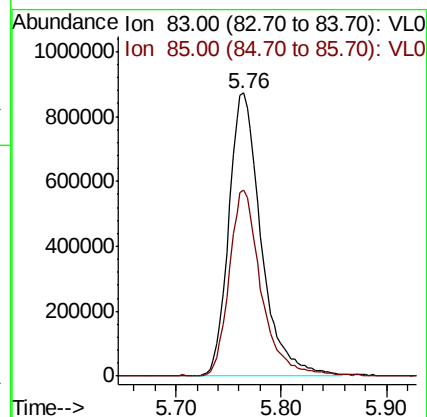
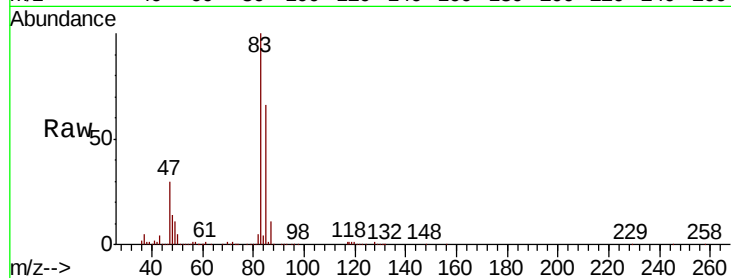
Acq: 20 Jul 2022 11:39 VSTDCCC010EC

Tot Ion: 83 Resp: 1858027

Ion Ratio Lower Upper

83 100

85 65.8 52.8 79.2



#30

Cyclohexane

Concen: 11.280 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.03 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

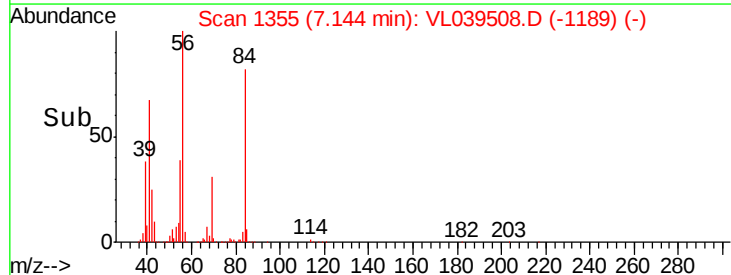
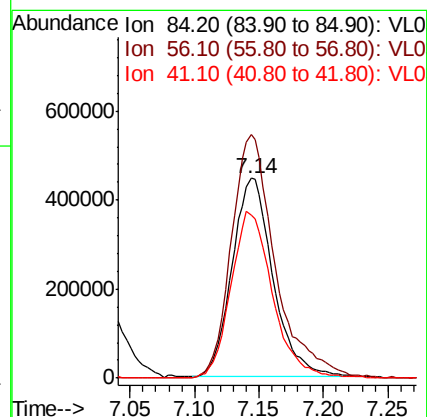
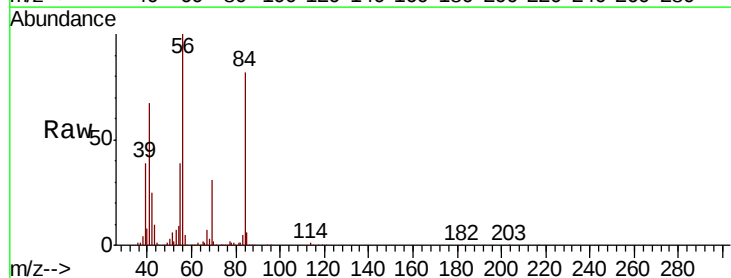
Tgt Ion: 84 Resp: 982090

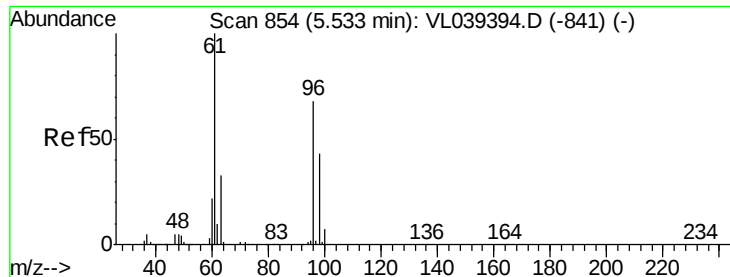
Ion Ratio Lower Upper

84 100

56 132.8 107.7 161.5

41 86.0 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 11.433 ppbv

RT: 5.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 20 Jul 2022 11:39

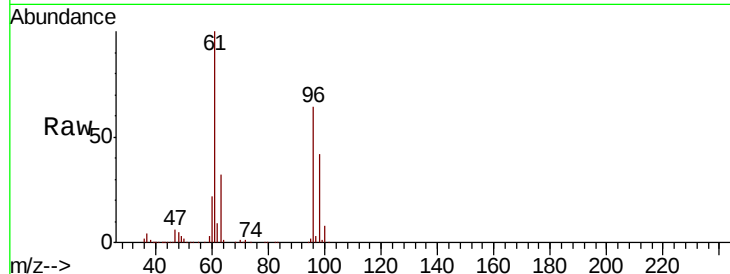
Tot Ion: 61 Resp: 1160171

Ion Ratio Lower Upper

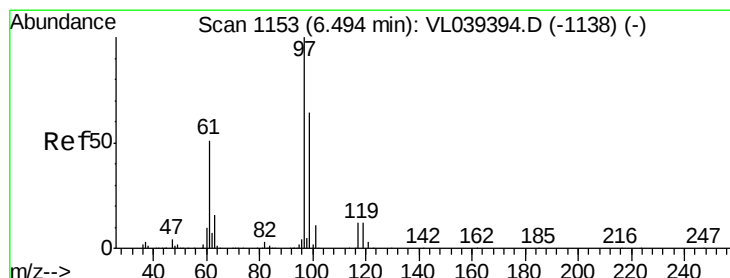
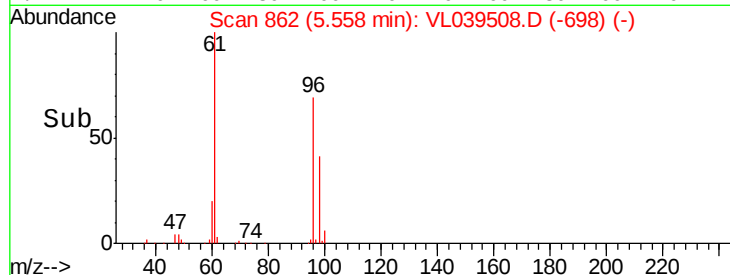
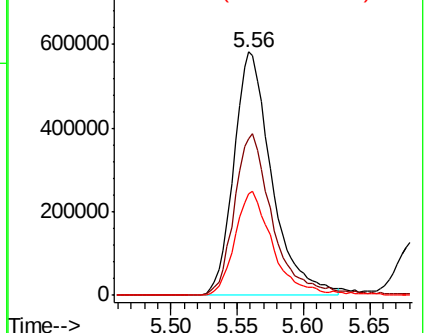
61 100

96 64.1 54.1 81.1

98 41.9 34.6 52.0



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: 11.308 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.03 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

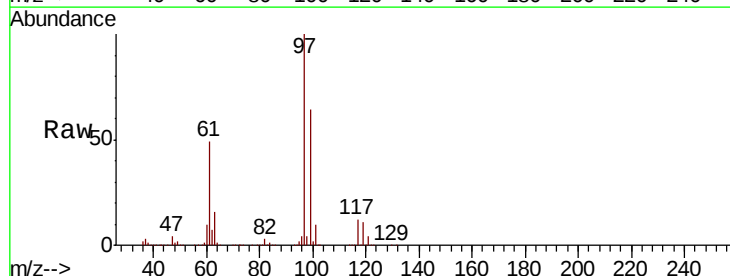
Tgt Ion: 97 Resp: 1856098

Ion Ratio Lower Upper

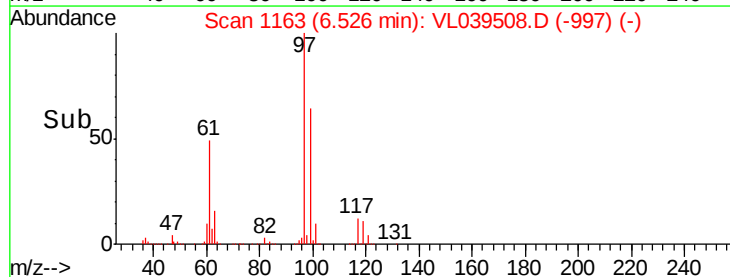
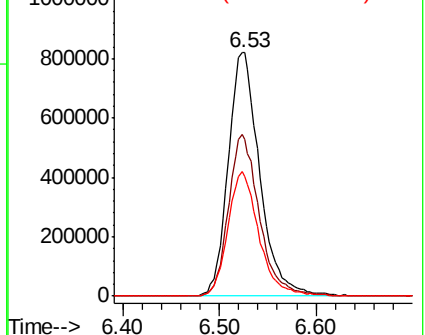
97 100

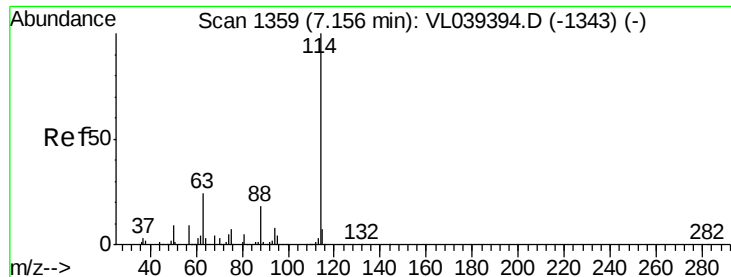
99 65.4 52.3 78.5

61 50.9 40.9 61.3



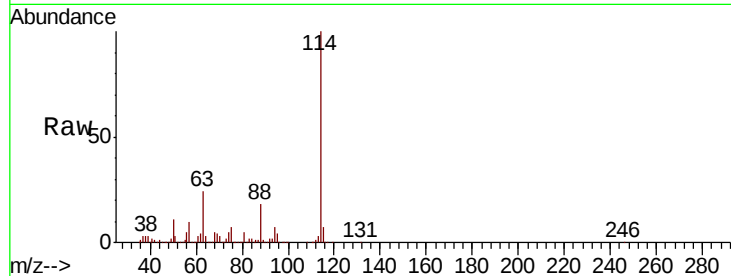
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



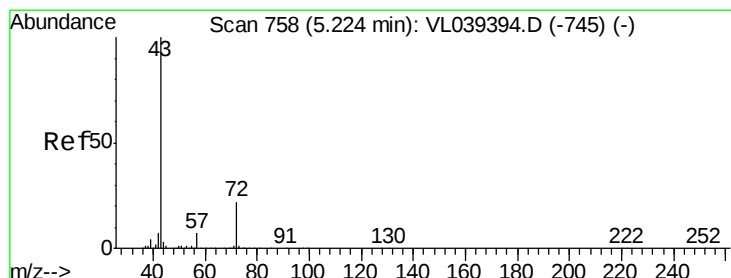
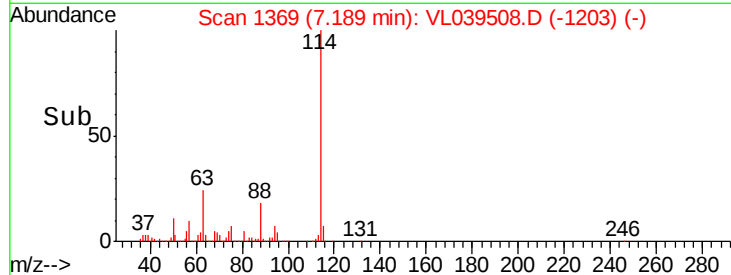
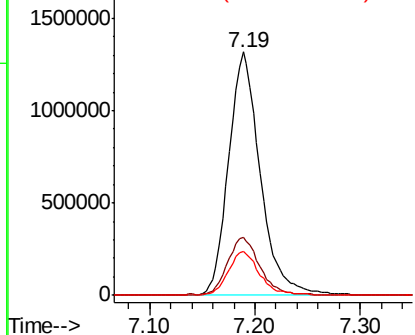


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

Tot Ion:114 Resp: 2736468
 Ion Ratio Lower Upper
 114 100
 63 25.0 20.2 30.4
 88 18.0 14.5 21.7

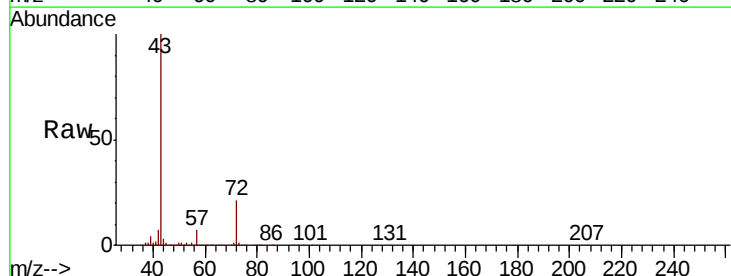


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

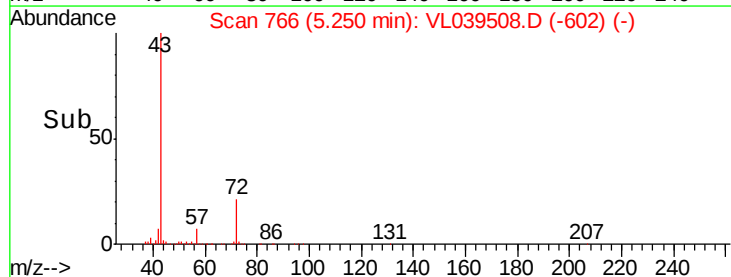
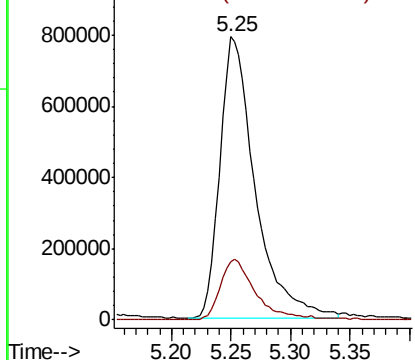


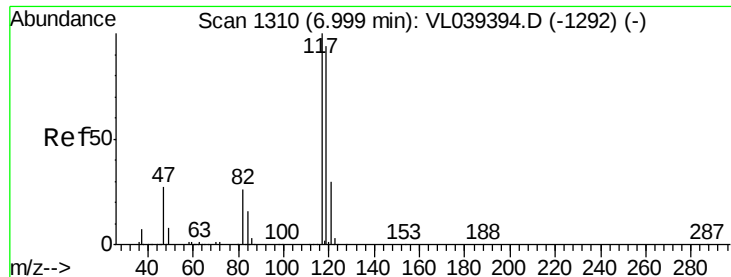
#34
 2-Butanone
 Concen: 11.783 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

Tgt Ion: 43 Resp: 1623140
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.9 26.9



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





#35

Carbon Tetrachloride

Concen: 11.762 ppbv

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39 VSTDCCC010EC

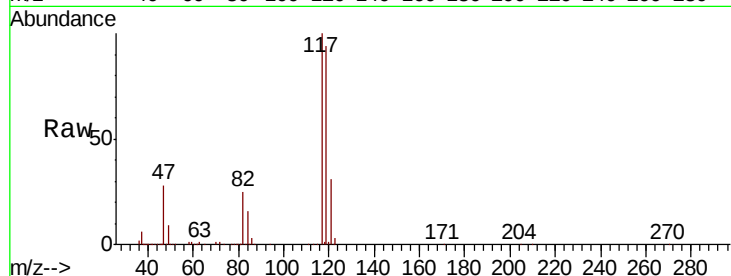
Tot Ion:117 Resp: 1988762

Ion Ratio Lower Upper

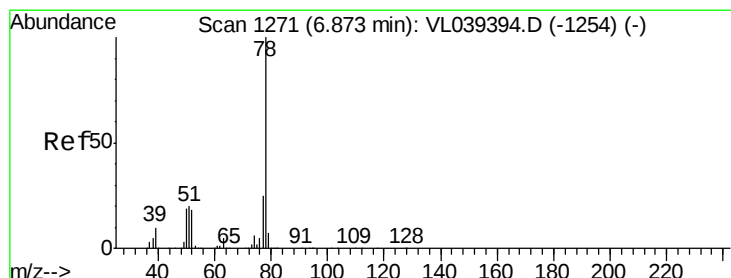
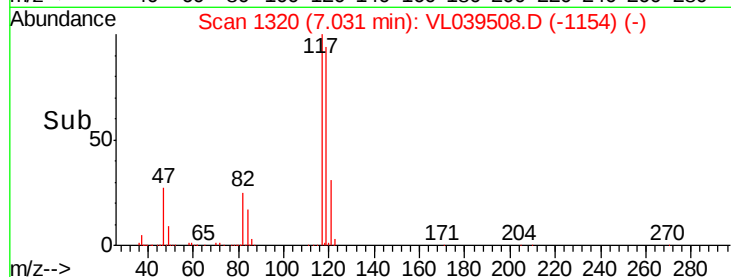
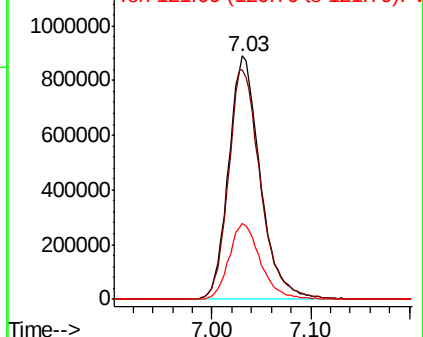
117 100

119 94.3 75.4 113.2

121 31.1 24.2 36.2



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: 11.388 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

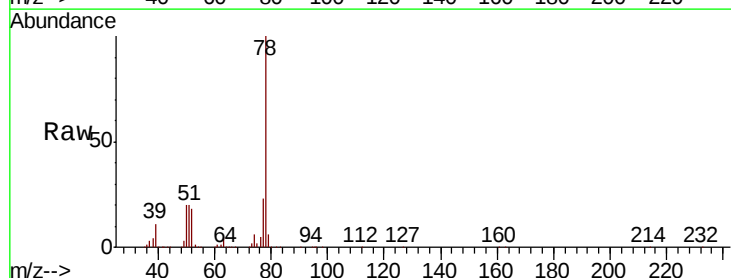
Tgt Ion: 78 Resp: 2411886

Ion Ratio Lower Upper

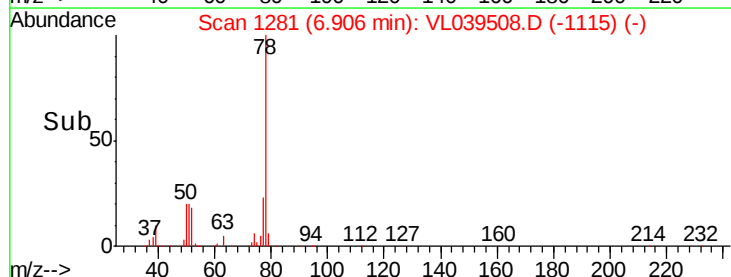
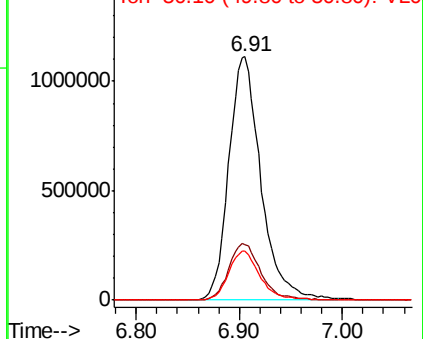
78 100

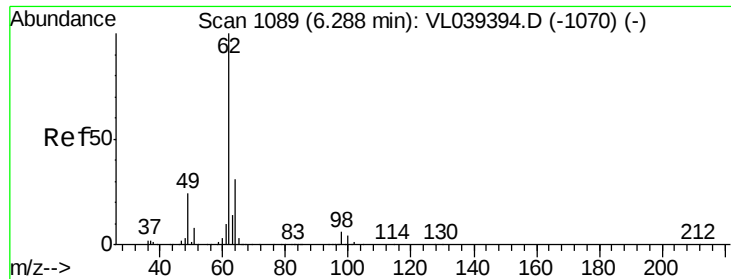
77 23.0 20.3 30.5

50 20.3 15.5 23.3



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: 11.159 ppbv

RT: 6.32 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

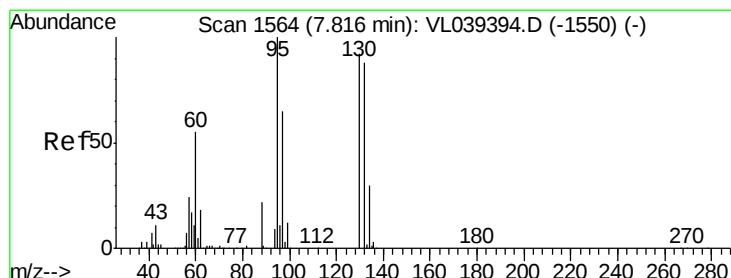
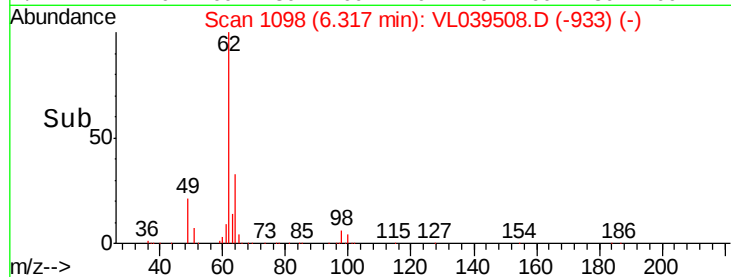
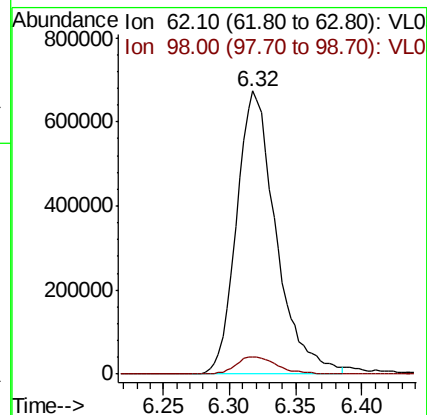
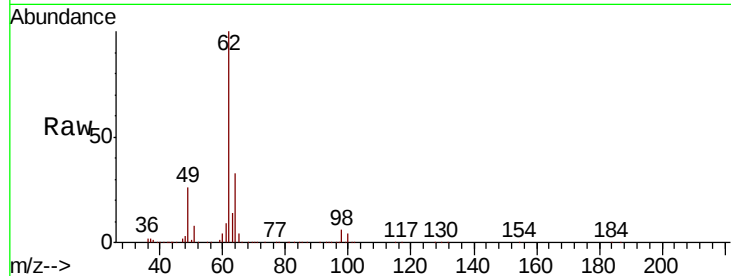
Acq: 20 Jul 2022 11:39 VSTDCCC010EC

Tot Ion: 62 Resp: 1394918

Ion Ratio Lower Upper

62 100

98 6.4 5.1 7.7



#38

Trichloroethene

Concen: 11.272 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.03 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

Tgt Ion:130 Resp: 1291205

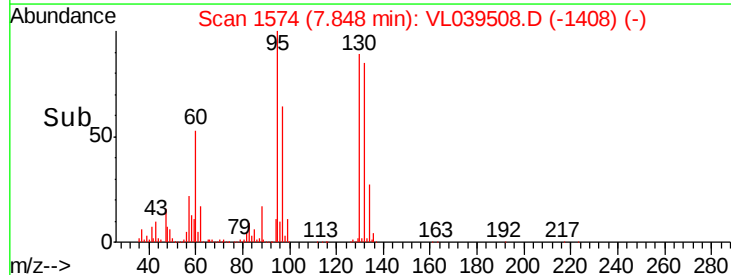
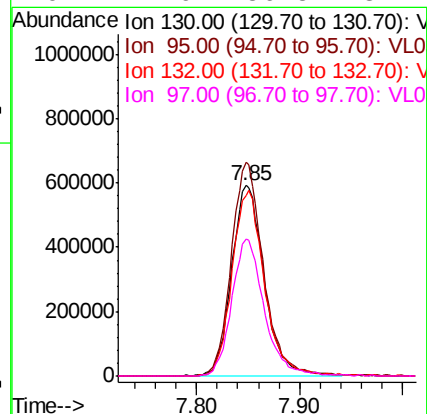
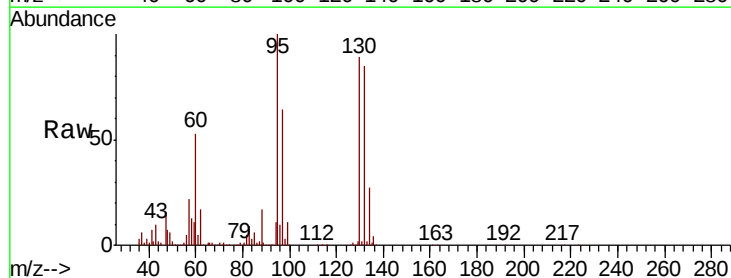
Ion Ratio Lower Upper

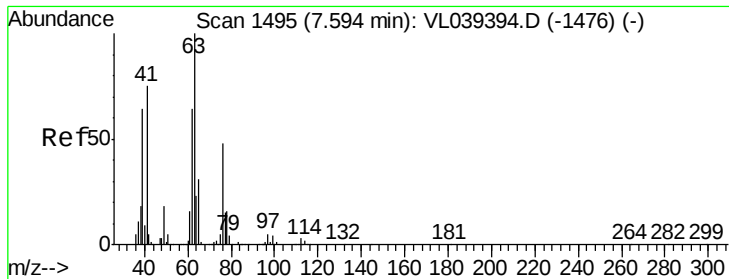
130 100

95 112.3 87.3 130.9

132 95.1 76.7 115.1

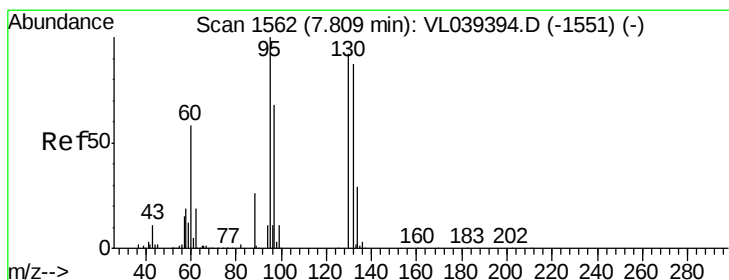
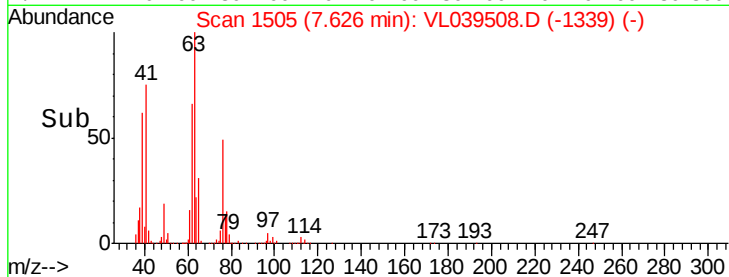
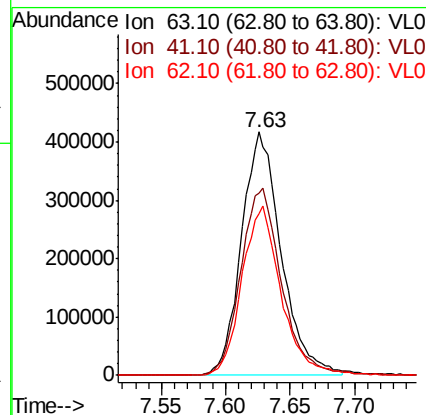
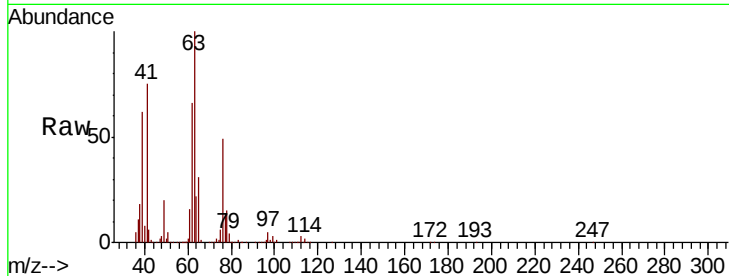
97 71.9 56.5 84.7





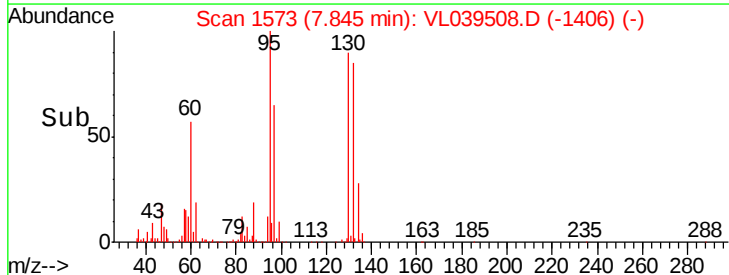
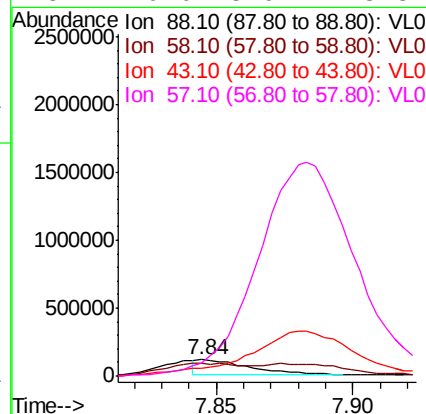
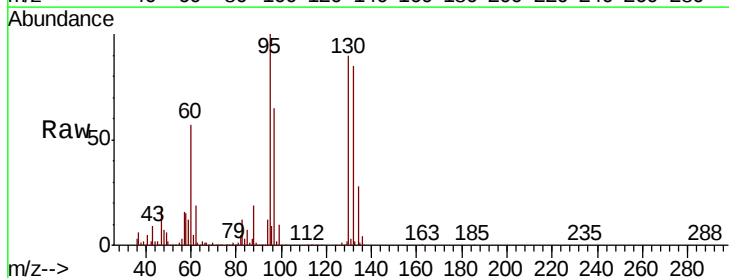
#39
 1,2-Dichloropropane
 Concen: 11.332 ppbv
 RT: 7.63
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

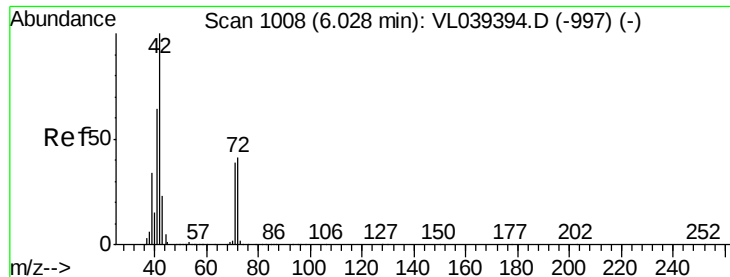
Tot Ion	Ratio	Lower	Upper
63	100		
41	74.9	59.6	89.4
62	66.2	51.4	77.0



#40
 1,4-Dioxane
 Concen: 4.719 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.04 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.8	100.2	150.4
43	0.0	205.8	308.6#
57	0.0	879.1	1318.7#





#41

Tetrahydrofuran

Concen: 11.842 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39 VSTDCCC010EC

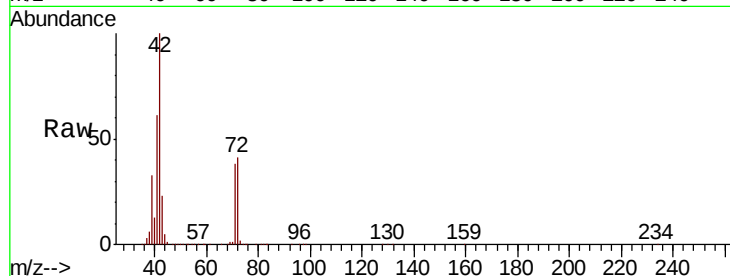
Tot Ion: 42 Resp: 945259

Ion Ratio Lower Upper

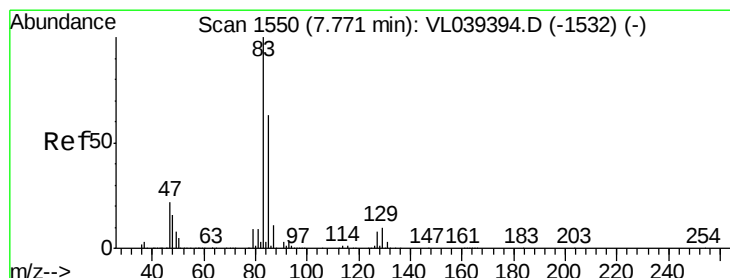
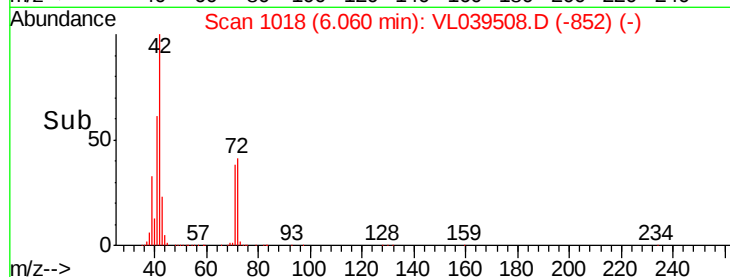
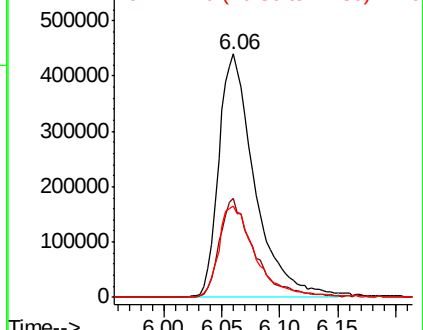
42 100

72 40.0 31.8 47.8

71 39.0 31.8 47.8



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.780 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.04 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

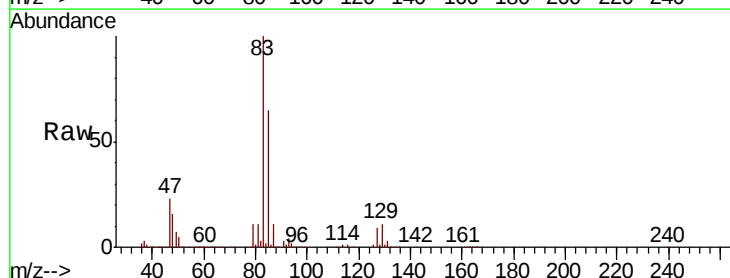
Tgt Ion: 83 Resp: 1985548

Ion Ratio Lower Upper

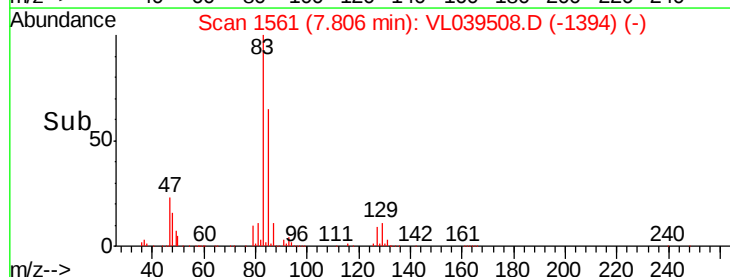
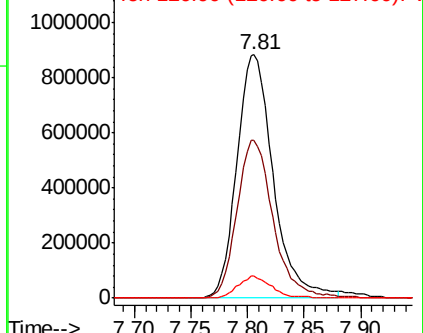
83 100

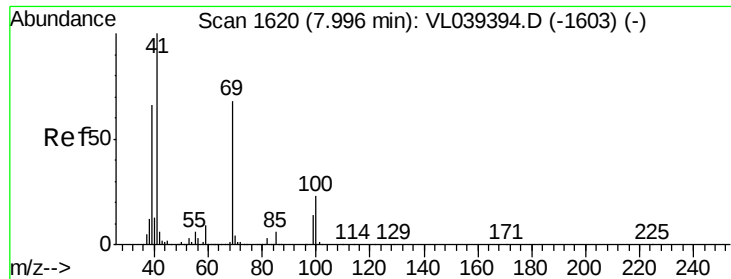
85 64.9 50.7 76.1

127 8.9 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: 12.209 ppbv

RT: 8.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39 VSTDCCC010EC

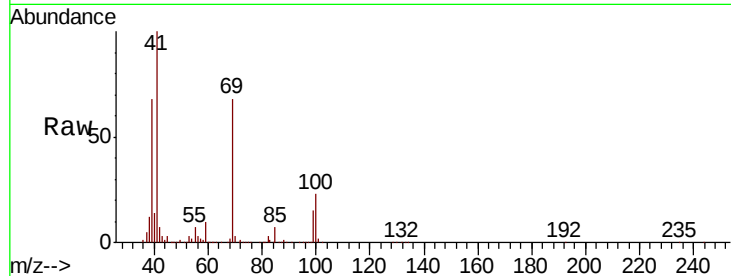
Tot Ion: 69 Resp: 983236

Ion Ratio Lower Upper

69 100

41 149.7 120.8 181.2

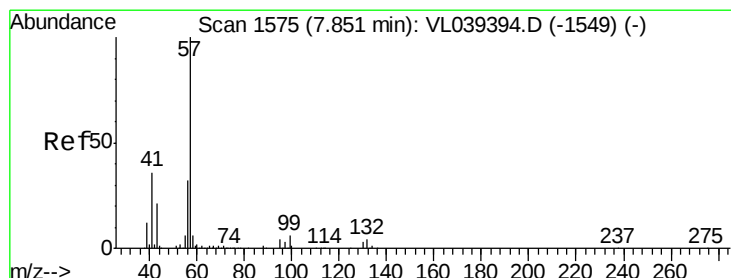
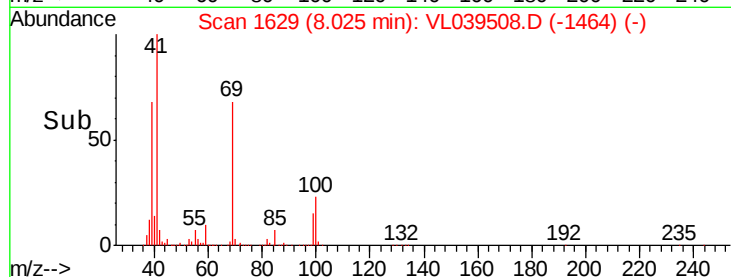
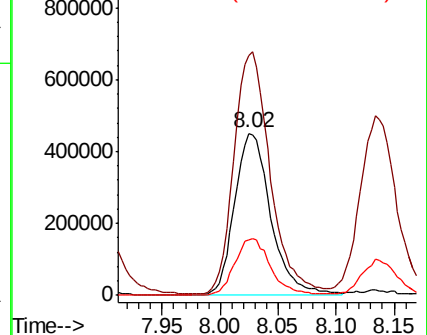
100 34.7 27.8 41.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 11.143 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.03 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

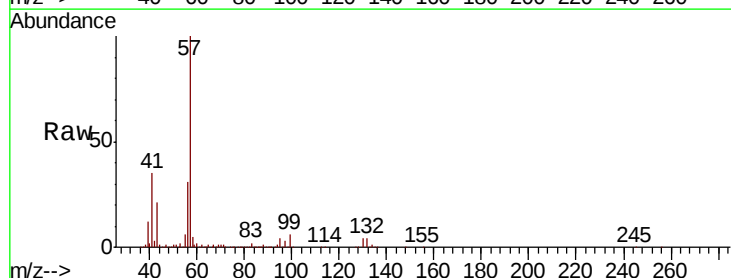
Tgt Ion: 57 Resp: 3999312

Ion Ratio Lower Upper

57 100

41 34.4 27.4 41.2

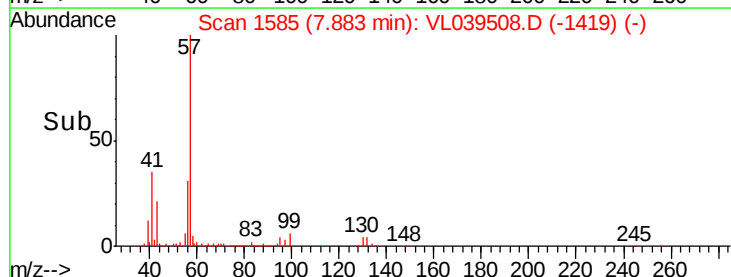
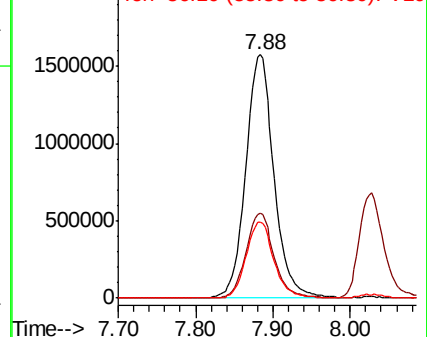
56 31.0 24.5 36.7

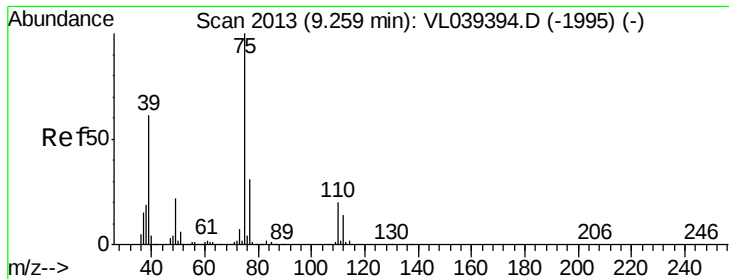


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

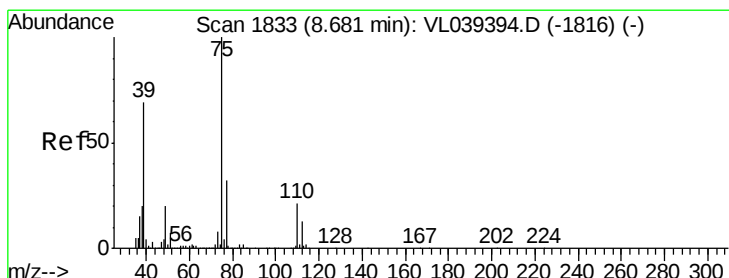
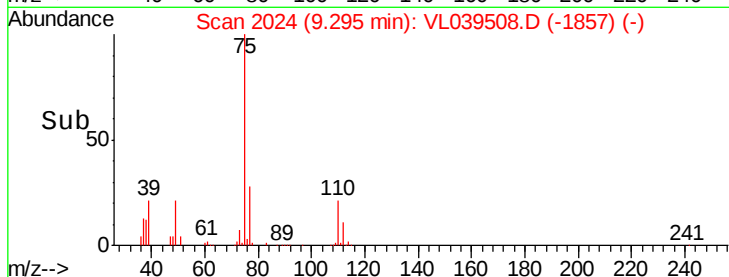
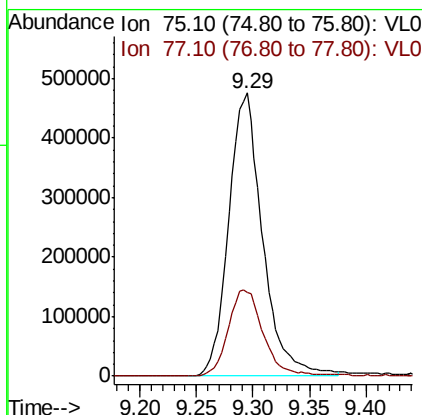
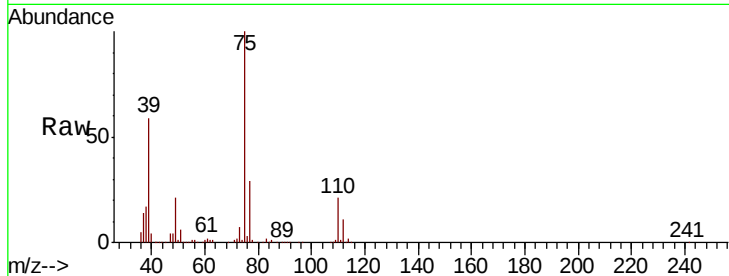
Ion 56.10 (55.80 to 56.80): VL0





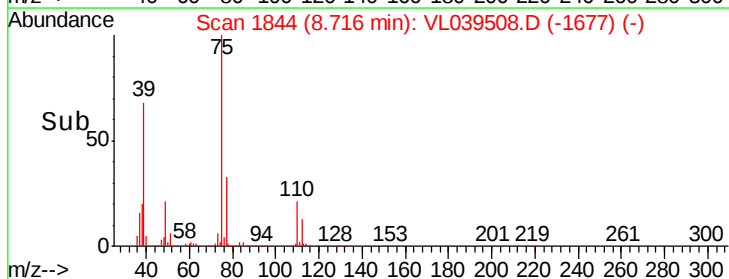
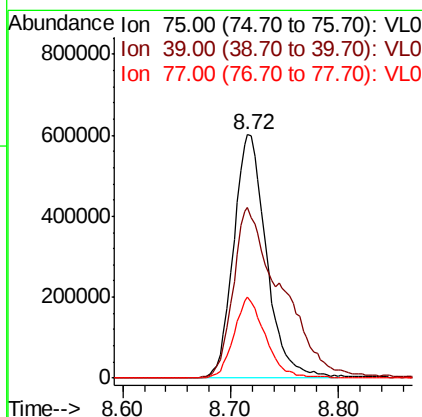
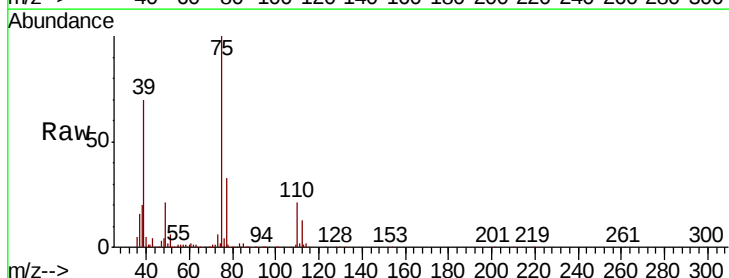
#45
t-1,3-Dichloropropene
Concen: 13.796 ppbv
RT: 9.29
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 20 Jul 2022 11:39

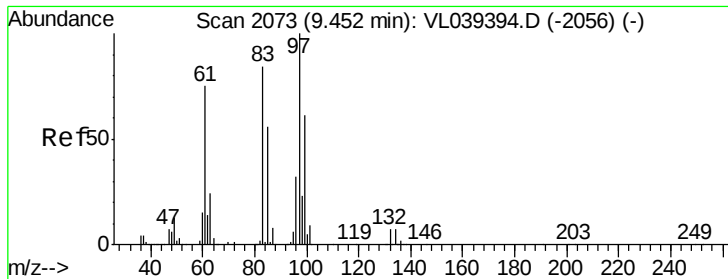
Tot Ion: 75 Resp: 989144
Ion Ratio Lower Upper
75 100
77 29.4 24.6 36.8



#46
cis-1,3-Dichloropropene
Concen: 12.917 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. 0.04 min
Lab File: VL039508.D
Acq: 20 Jul 2022 11:39

Tgt Ion: 75 Resp: 1274783
Ion Ratio Lower Upper
75 100
39 69.8 55.0 82.4
77 33.2 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 11.204 ppbv

RT: 9.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39 VSTDCCC010EC

Tot Ion: 97 Resp: 994625

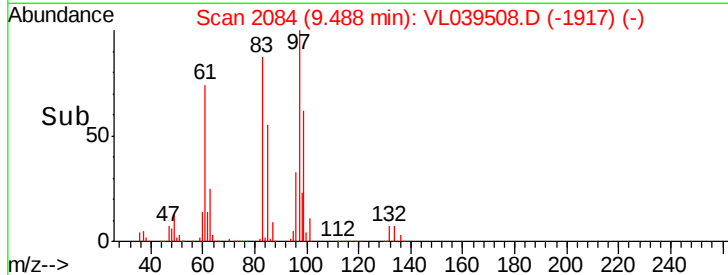
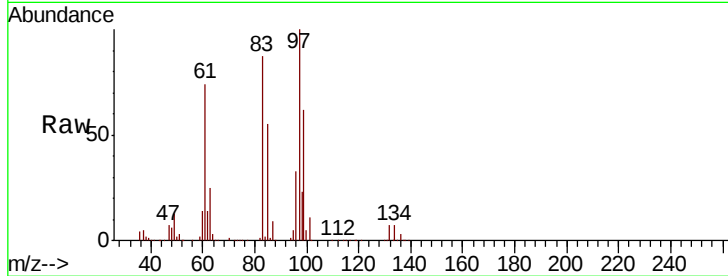
Ion Ratio Lower Upper

97 100

83 87.0 67.4 101.0

85 54.9 45.1 67.7

99 61.5 48.6 73.0

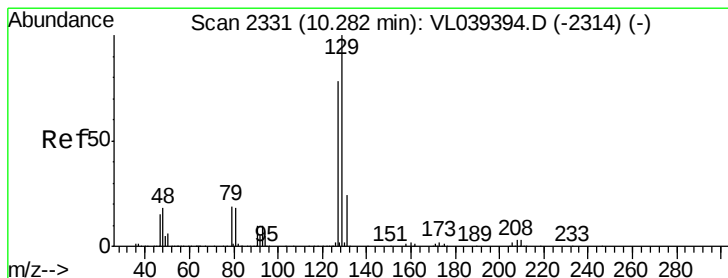
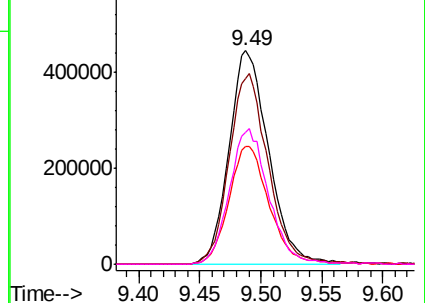


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 12.668 ppbv

RT: 10.32 min Scan# 2343

Delta R.T. 0.04 min

Lab File: VL039508.D

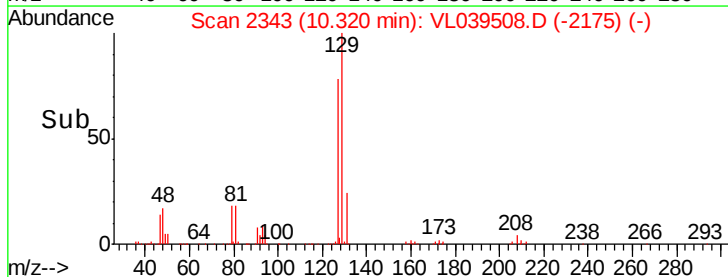
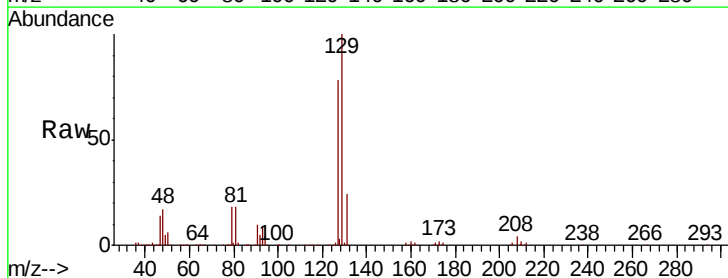
Acq: 20 Jul 2022 11:39

Tgt Ion:129 Resp: 1787405

Ion Ratio Lower Upper

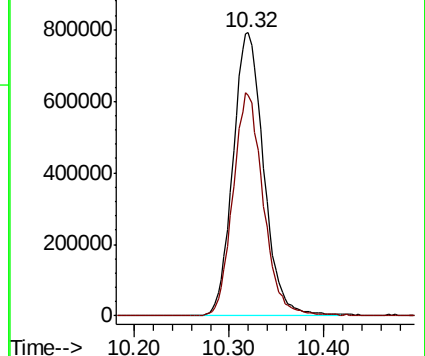
129 100

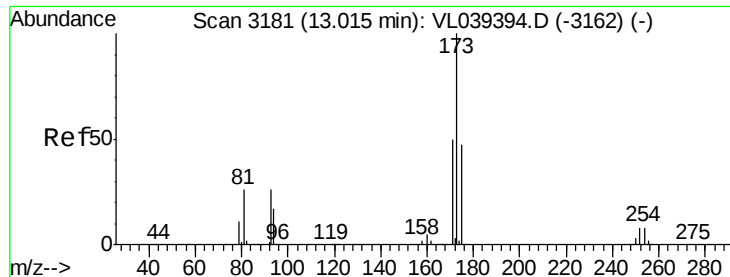
127 78.0 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 13.085 ppbv

RT: 13.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39

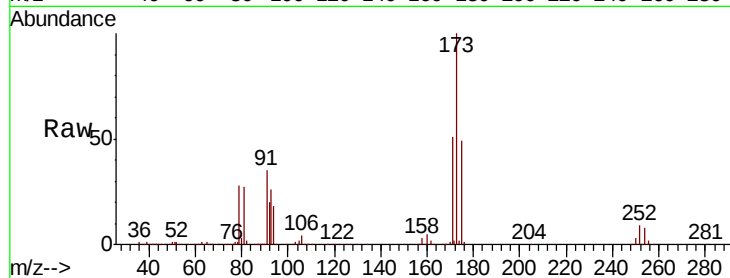
Tot Ion:173 Resp: 1489530

Ion Ratio Lower Upper

173 100

175 50.3 40.3 60.5

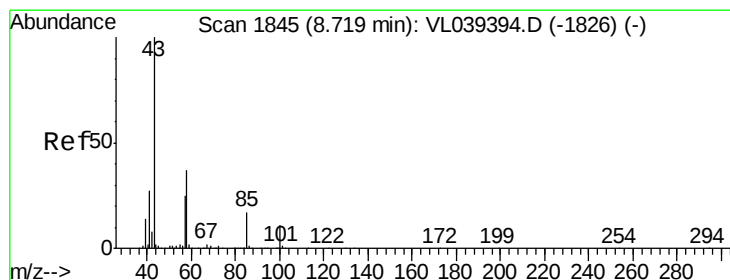
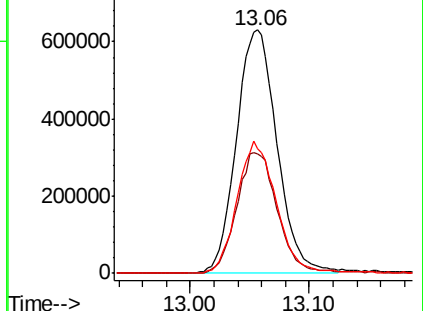
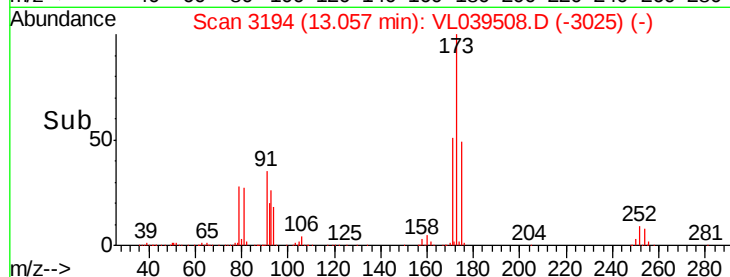
171 52.7 42.9 64.3



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: 12.154 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.03 min

Lab File: VL039508.D

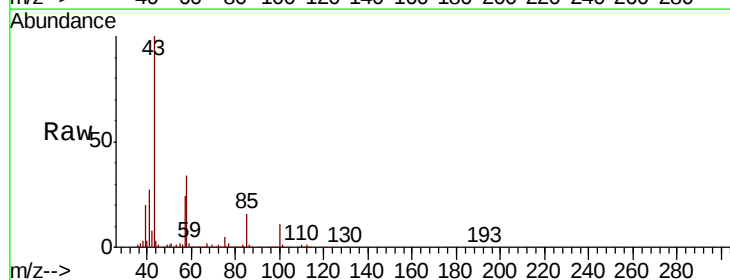
Acq: 20 Jul 2022 11:39

Tgt Ion: 43 Resp: 2531441

Ion Ratio Lower Upper

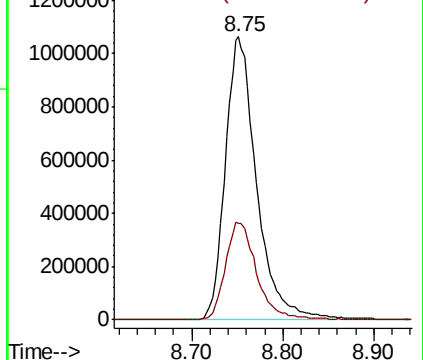
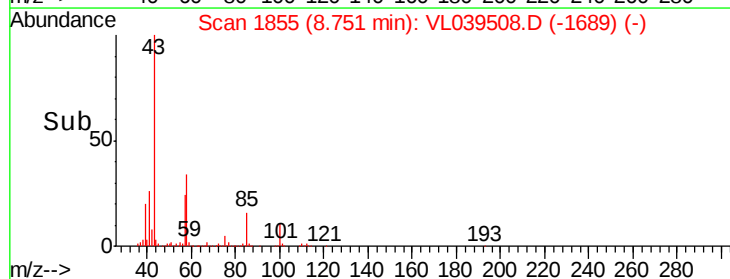
43 100

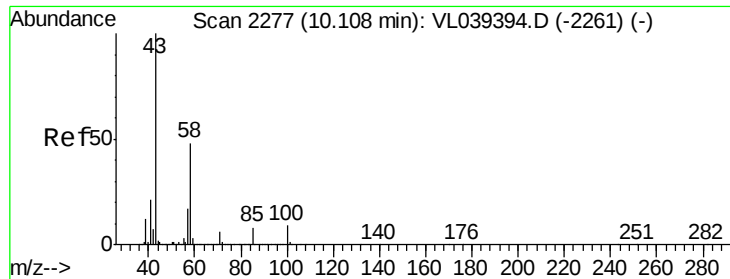
58 34.9 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

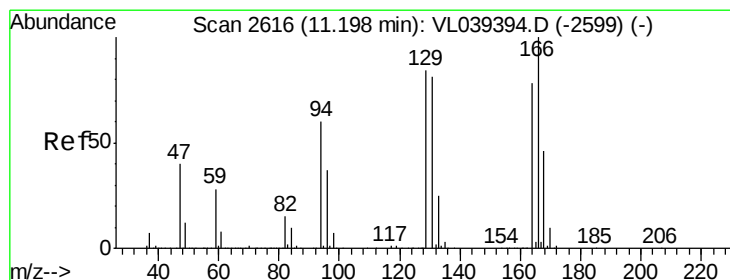
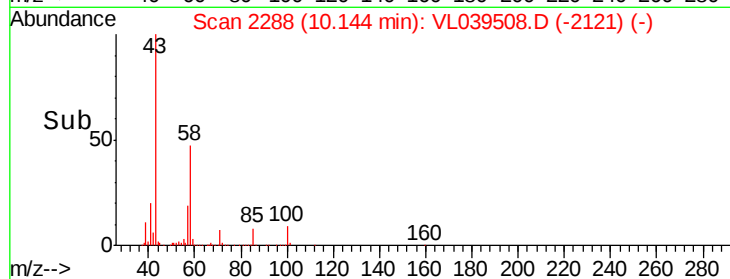
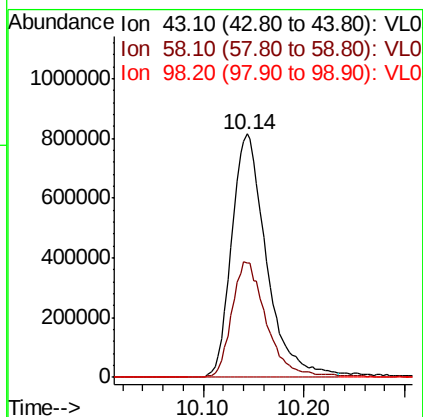
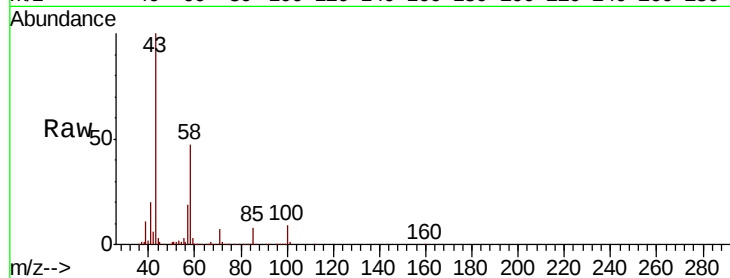
Ion 58.10 (57.80 to 58.80): VL0





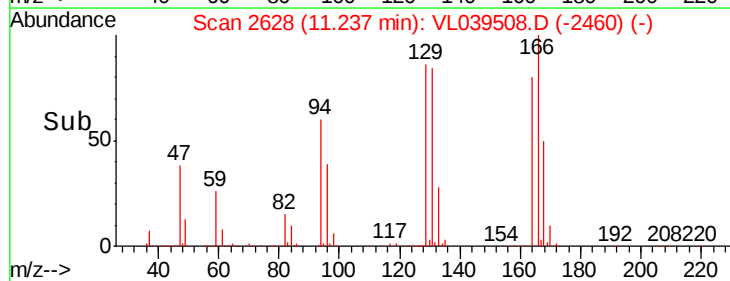
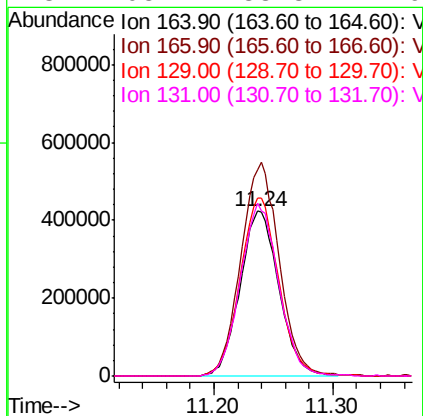
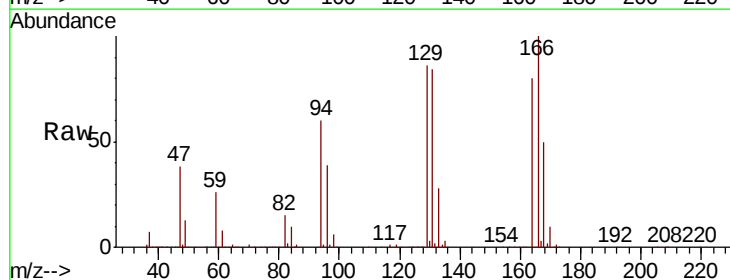
#51
2-Hexanone
Concen: 12.426 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 11:39

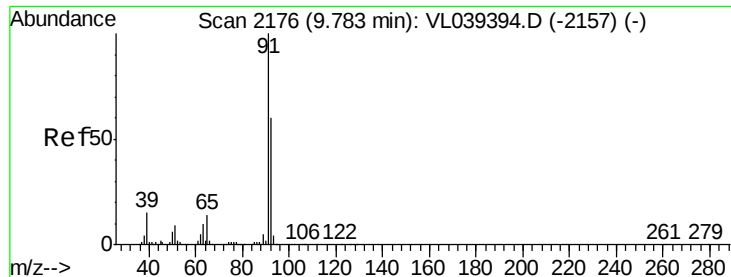
Tot Ion: 43 Resp: 1957699
Ion Ratio Lower Upper
43 100
58 47.7 38.4 57.6
98 0.5 0.3 0.5



#52
Tetrachloroethene
Concen: 11.196 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.04 min
Lab File: VL039508.D
Acq: 20 Jul 2022 11:39

Tgt Ion:164 Resp: 954561
Ion Ratio Lower Upper
164 100
166 125.3 102.2 153.2
129 107.8 85.8 128.8
131 105.1 83.3 124.9





#53

Toluene

Concen: 11.853 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

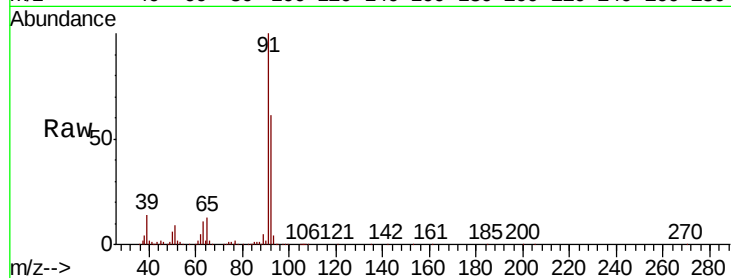
Acq: 20 Jul 2022 11:39 VSTDCCC010EC

Tot Ion: 91 Resp: 2895732

Ion Ratio Lower Upper

91 100

92 60.1 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1500000

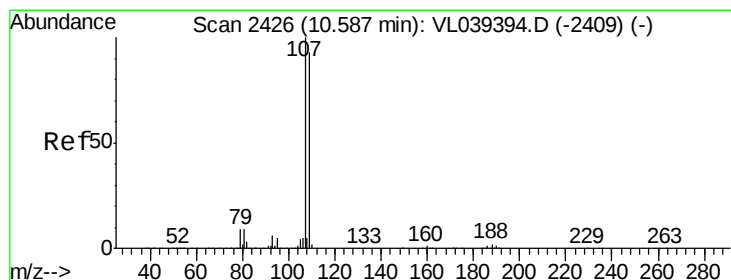
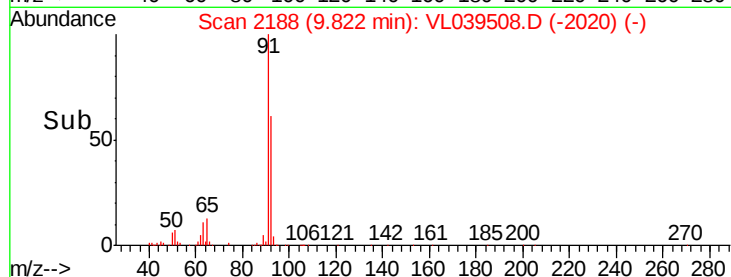
9.82

1000000

500000

0

Time--> 9.70 9.80 9.90



#54

1,2-Dibromoethane

Concen: 11.827 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.04 min

Lab File: VL039508.D

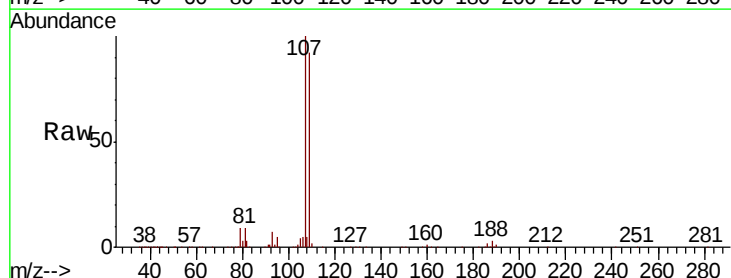
Acq: 20 Jul 2022 11:39

Tgt Ion: 107 Resp: 1306444

Ion Ratio Lower Upper

107 100

109 92.0 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

600000

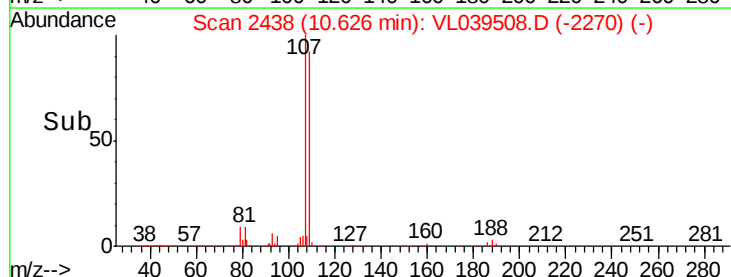
10.63

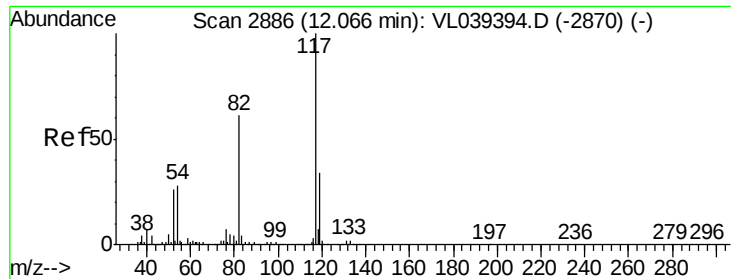
400000

200000

0

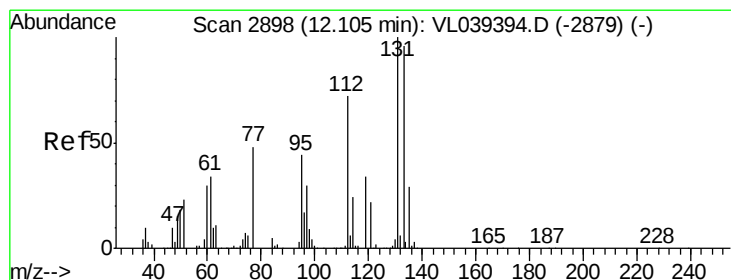
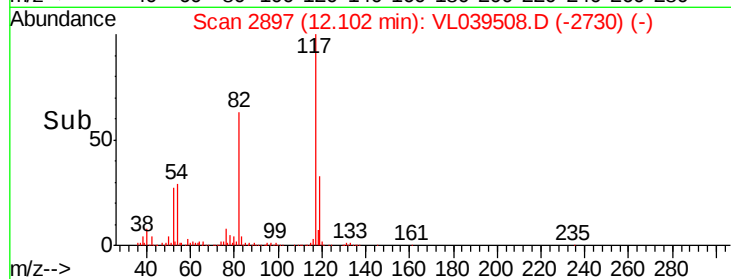
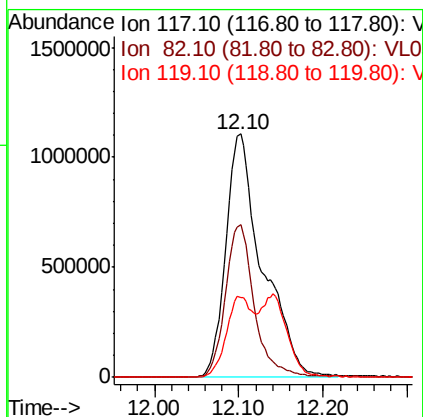
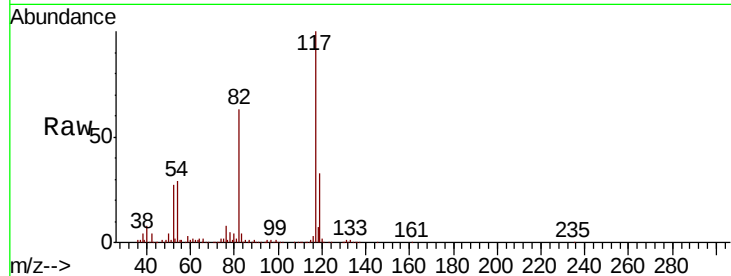
Time--> 10.55 10.60 10.65 10.70





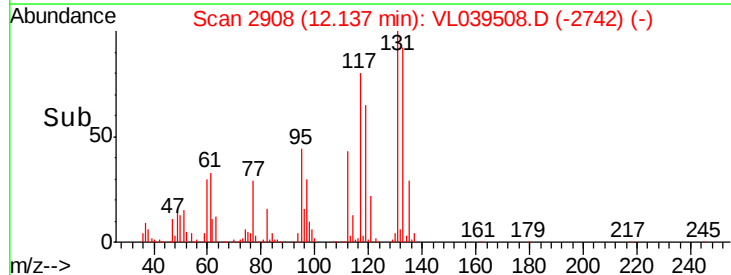
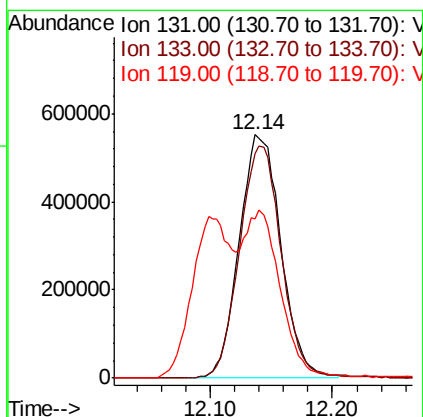
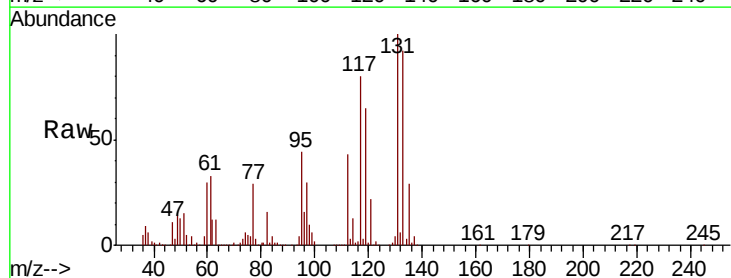
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

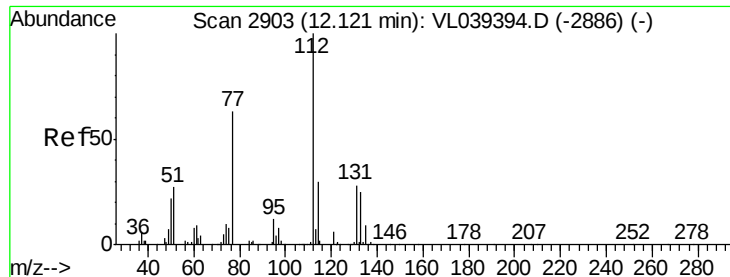
Tot Ion:117 Resp: 3345743
 Ion Ratio Lower Upper
 117 100
 82 50.0 50.8 76.2#
 119 24.5 24.1 36.1



#56
 1,1,1,2-Tetrachloroethane
 Concen: 8.820 ppbv
 RT: 12.14 min Scan# 2908
 Delta R.T.: 0.03 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

Tgt Ion:131 Resp: 1303551
 Ion Ratio Lower Upper
 131 100
 133 96.2 76.8 115.2
 119 62.7 46.2 69.4





#57

Chlorobenzene

Concen: 8.538 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39

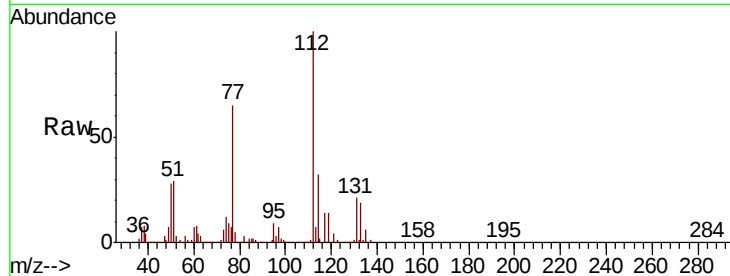
Tot Ion: 112 Resp: 2214785

Ion Ratio Lower Upper

112 100

77 63.8 51.0 76.4

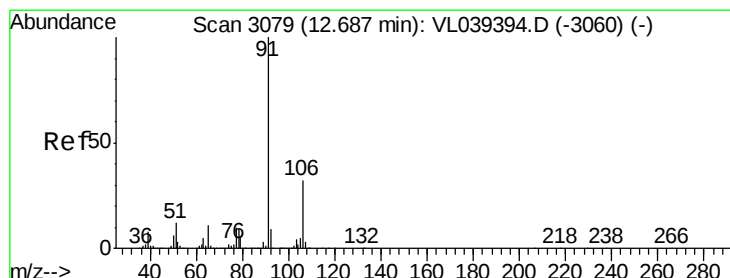
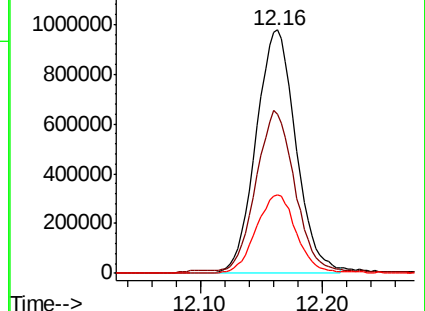
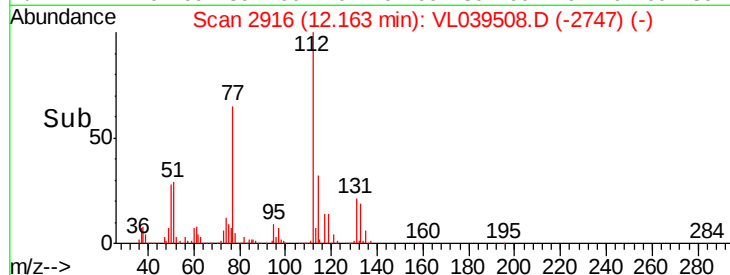
114 32.1 27.5 33.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.941 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.04 min

Lab File: VL039508.D

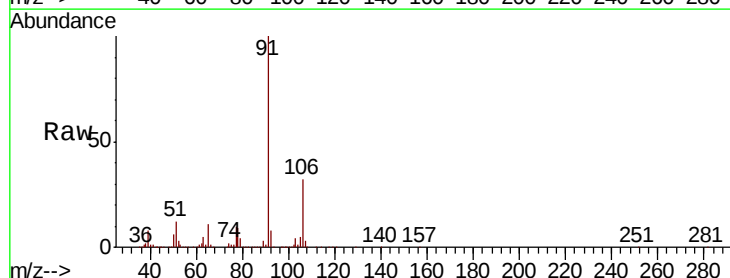
Acq: 20 Jul 2022 11:39

Tgt Ion: 91 Resp: 3862596

Ion Ratio Lower Upper

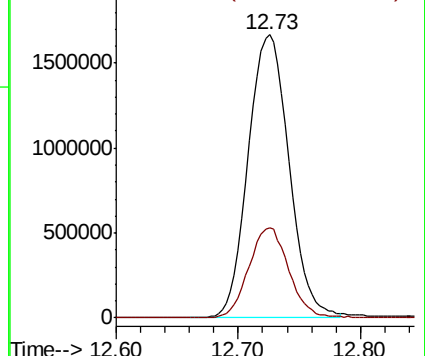
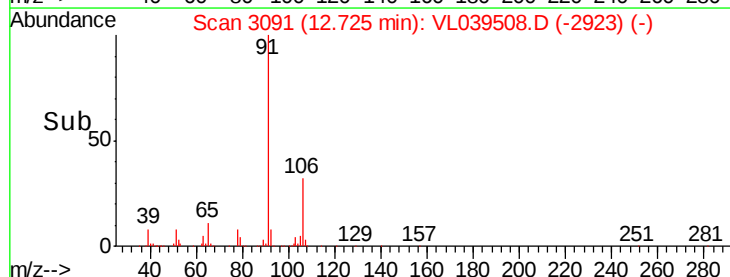
91 100

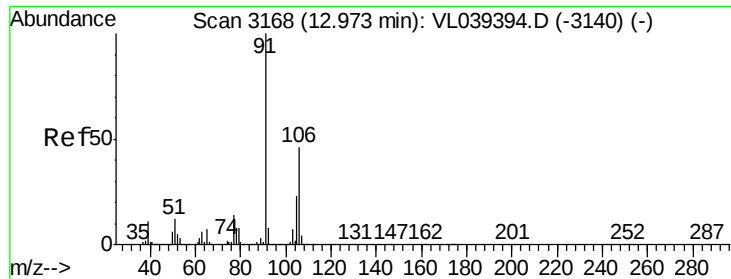
106 31.8 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

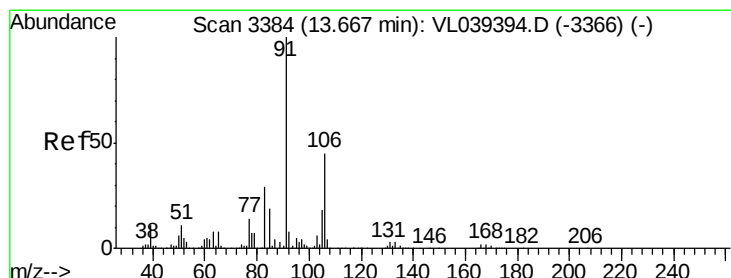
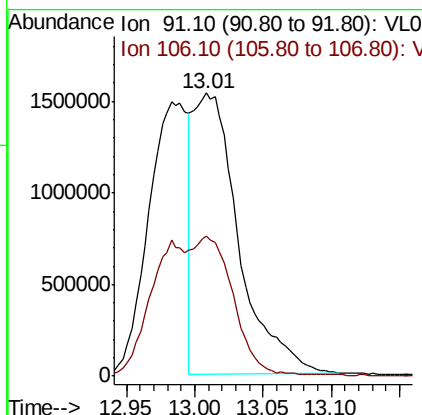
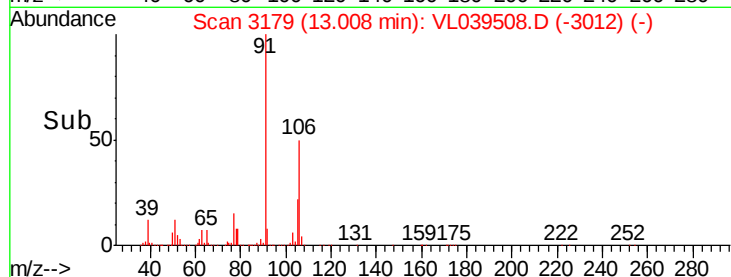
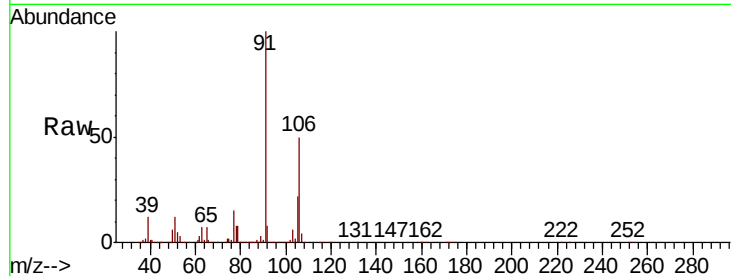
Ion 106.10 (105.80 to 106.80): V





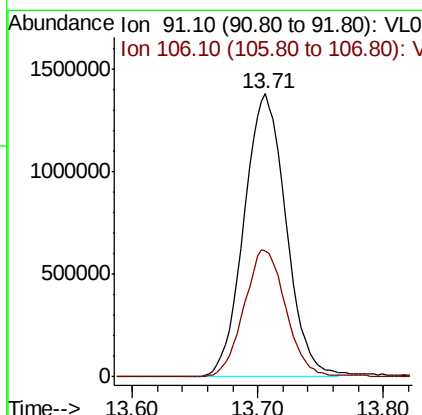
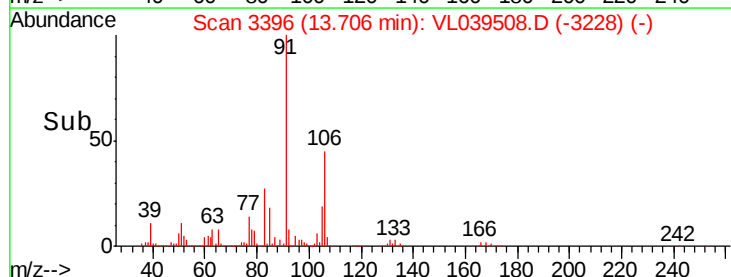
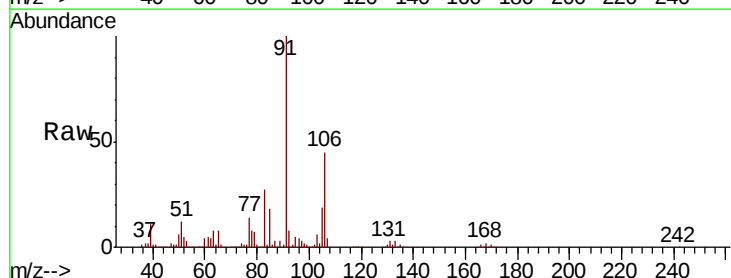
#59
m/p-Xylene
Concen: 9.259 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 20 Jul 2022 11:39

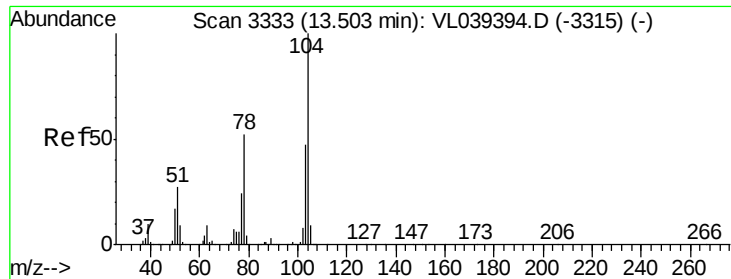
Tot Ion: 91 Resp: 3526535
Ion Ratio Lower Upper
91 100
106 85.4 35.4 53.2#



#60
o-Xylene
Concen: 8.932 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.04 min
Lab File: VL039508.D
Acq: 20 Jul 2022 11:39

Tgt Ion: 91 Resp: 3221290
Ion Ratio Lower Upper
91 100
106 45.0 22.4 67.3





#61

Stvrene

Concen: 9.798 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39 VSTDCCC010EC

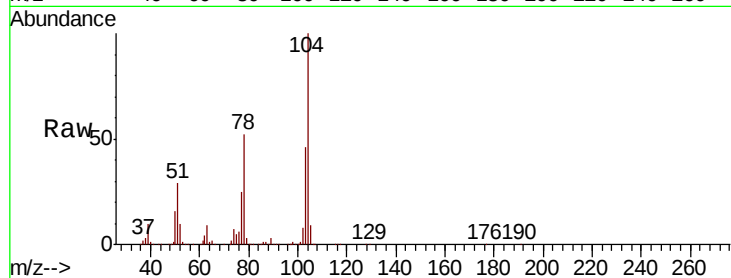
Tot Ion:104 Resp: 1914318

Ion Ratio Lower Upper

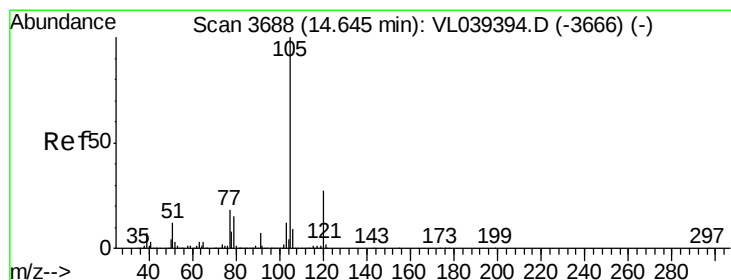
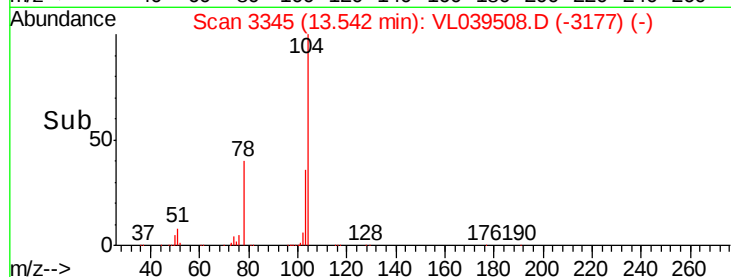
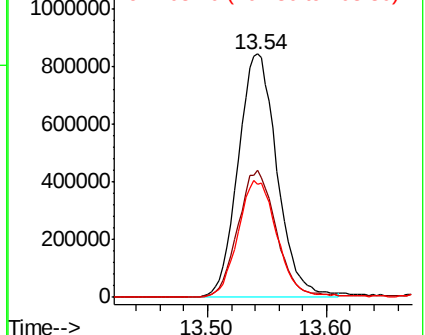
104 100

78 52.1 41.2 61.8

103 48.6 38.7 58.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.734 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.04 min

Lab File: VL039508.D

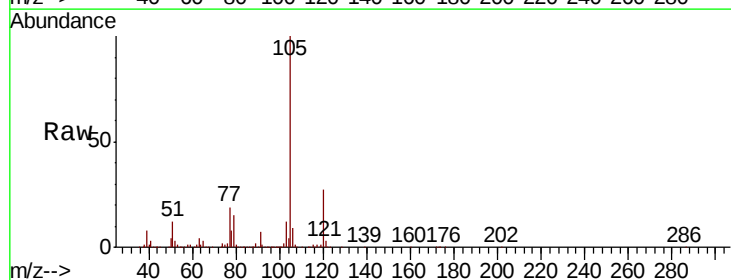
Acq: 20 Jul 2022 11:39

Tgt Ion:105 Resp: 4797178

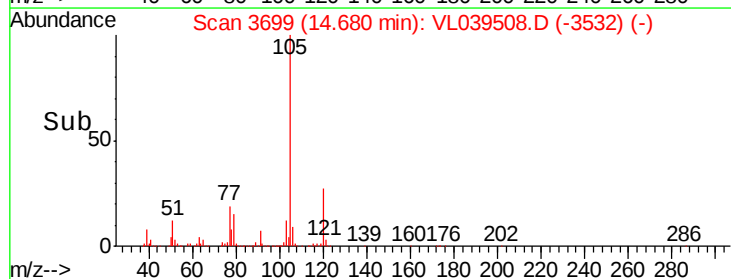
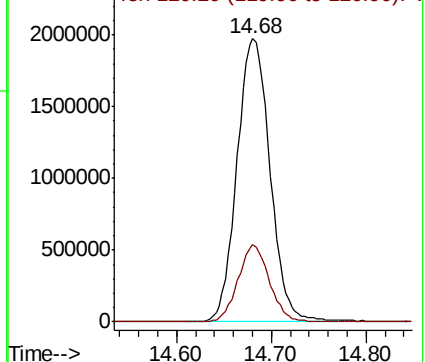
Ion Ratio Lower Upper

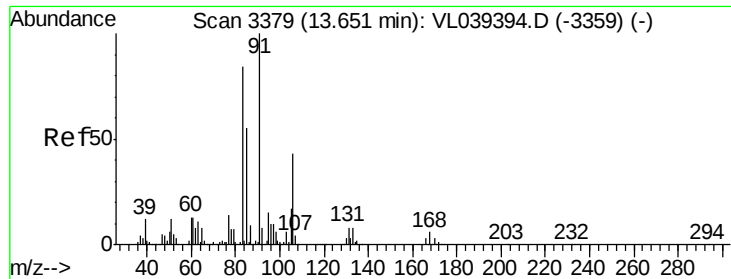
105 100

120 25.9 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.083 ppbv

RT: 13.69

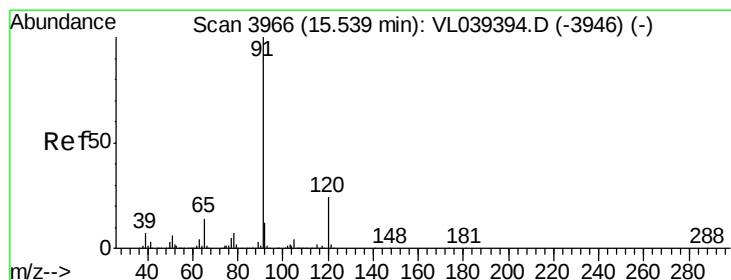
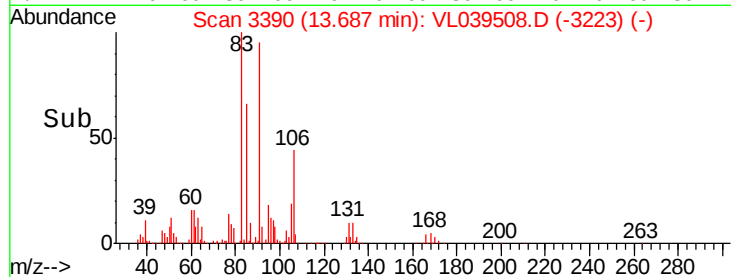
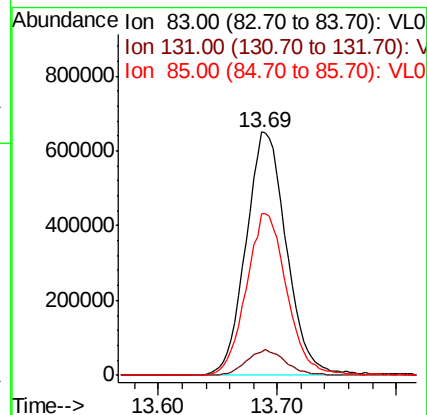
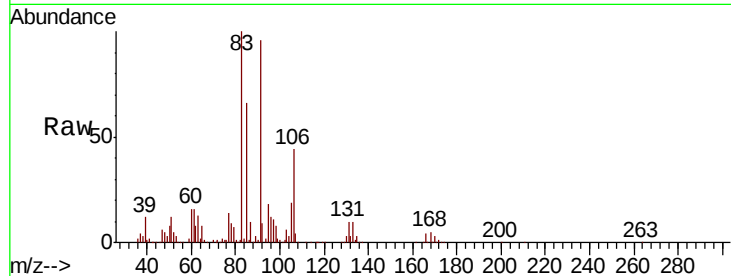
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39

Tot Ion: 83 Resp: 1528017

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.3	15.8
85	67.0	33.1	99.5



#64

n-propylbenzene

Concen: 9.083 ppbv

RT: 15.57 min Scan# 3977

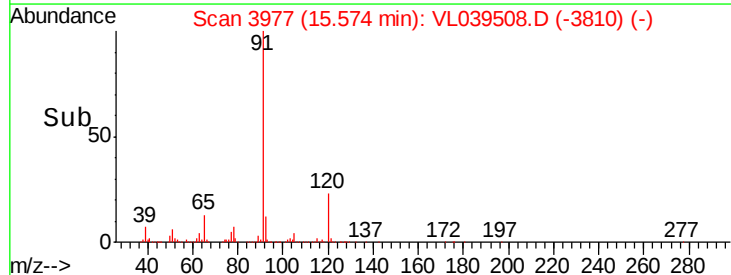
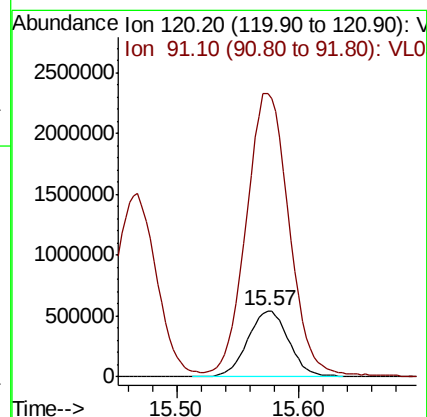
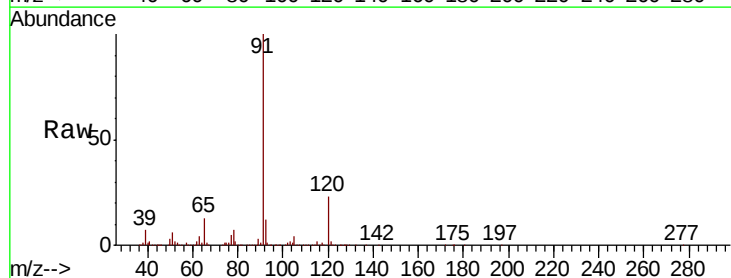
Delta R.T. 0.04 min

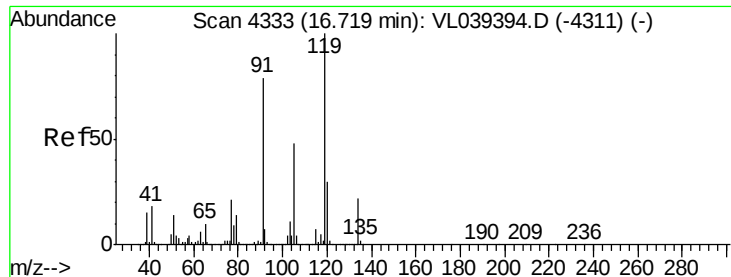
Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

Tgt Ion:120 Resp: 1264420

Ion	Ratio	Lower	Upper
120	100		
91	451.0	367.2	550.8

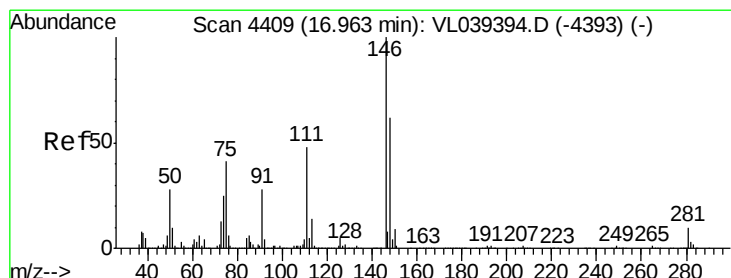
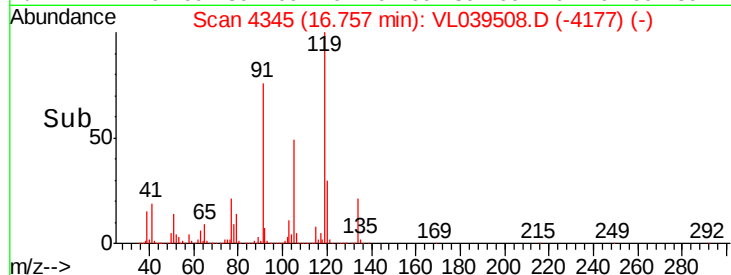
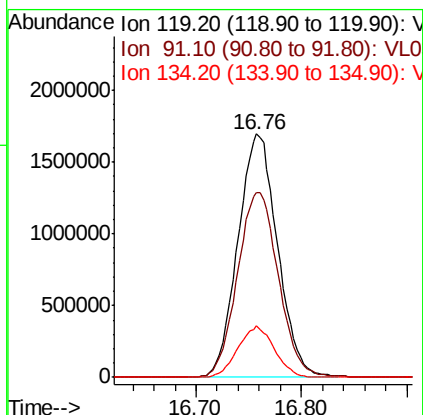
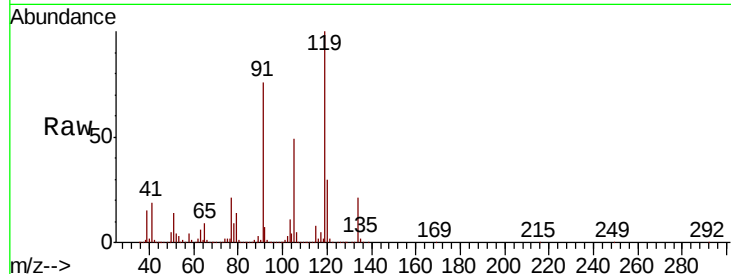




#65
 tert-Butylbenzene
 Concen: 8.718 ppbv
 RT: 16.76 min
 Instrument: MSVOA_1
 Delta R.T.:
 Client Sample ID:
 Lab File: VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

Tot Ion: 119 Resp: 4424568

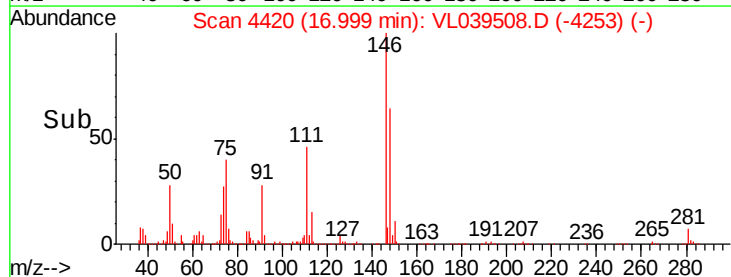
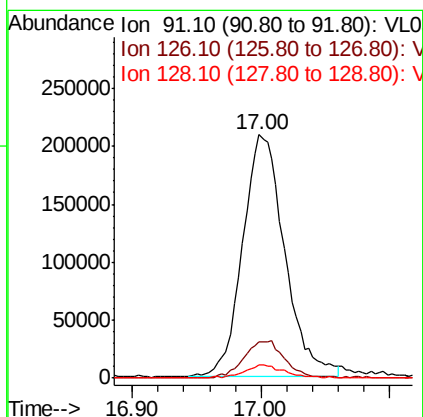
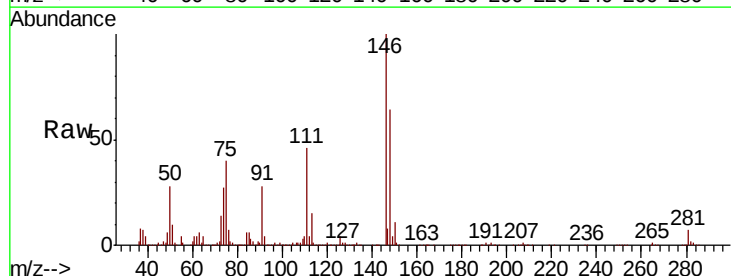
Ion	Ratio	Lower	Upper
119	100		
91	78.8	63.4	95.2
134	19.6	15.9	23.9

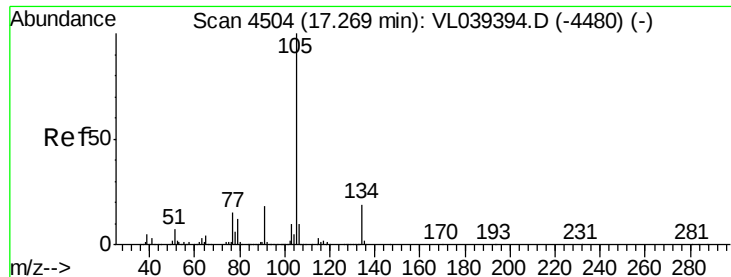


#66
 Benzyl Chloride
 Concen: 9.834 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T.: 0.04 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

Tgt Ion: 91 Resp: 474296

Ion	Ratio	Lower	Upper
91	100		
126	15.4	13.1	19.7
128	5.4	4.4	6.6





#67

sec-Butylbenzene

Concen: 8.804 ppbv

RT: 17.31

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

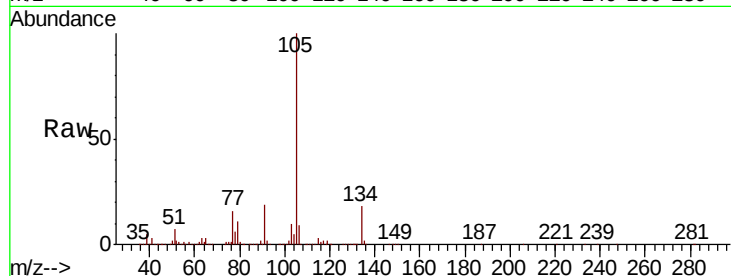
Acq: 20 Jul 2022 11:39 VSTDCCC010EC

Tot Ion: 105 Resp: 6018660

Ion Ratio Lower Upper

105 100

134 18.8 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.31

2500000

2000000

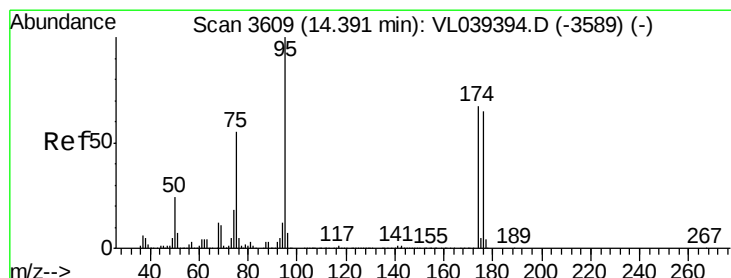
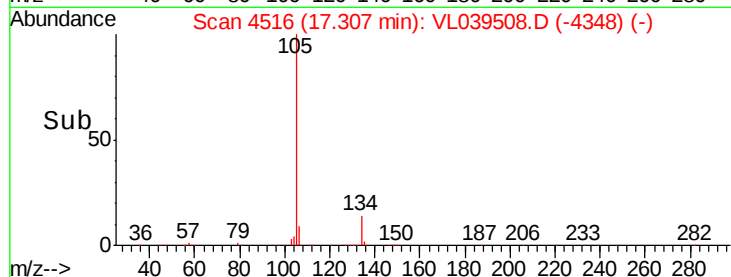
1500000

1000000

500000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 8.392 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. 0.04 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

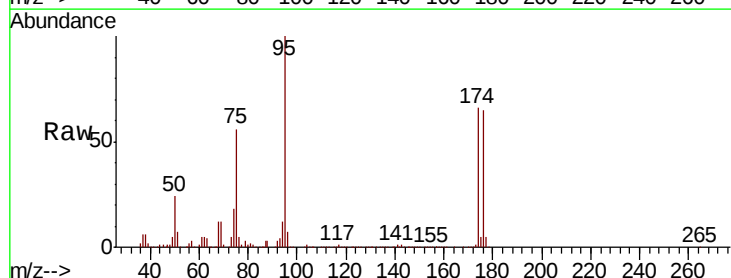
Tgt Ion: 95 Resp: 2082913

Ion Ratio Lower Upper

95 100

174 69.5 55.9 83.9

175 5.4 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1200000

1000000

800000

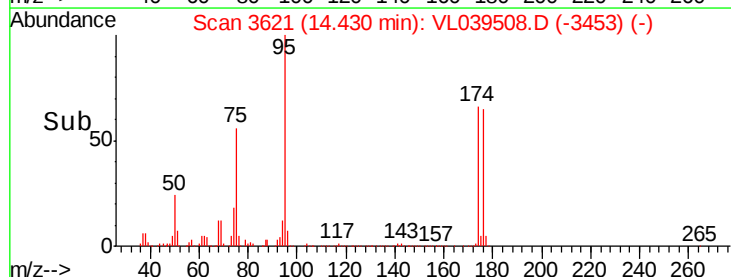
600000

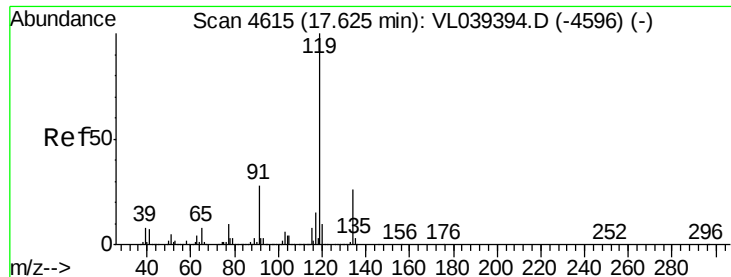
400000

200000

0

Time-->

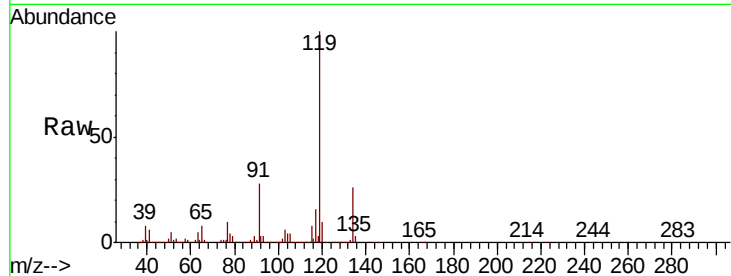




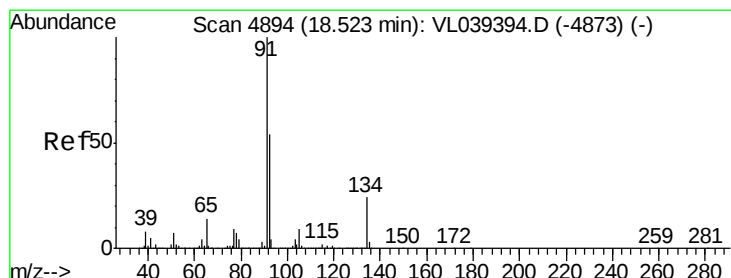
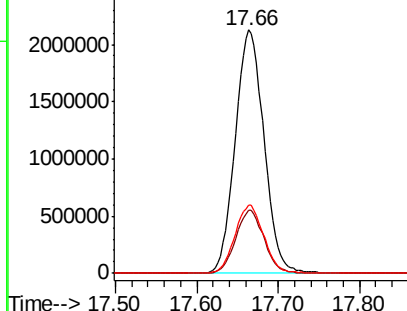
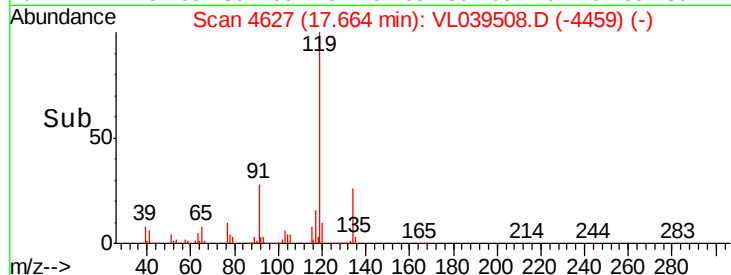
#69
 p-Isopropyltoluene
 Concen: 8.968 ppbv
 RT: 17.66 min
 Delta R.T. 0.04 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

Tot Ion: 119 Resp: 5201849

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	28.0	22.9	34.3



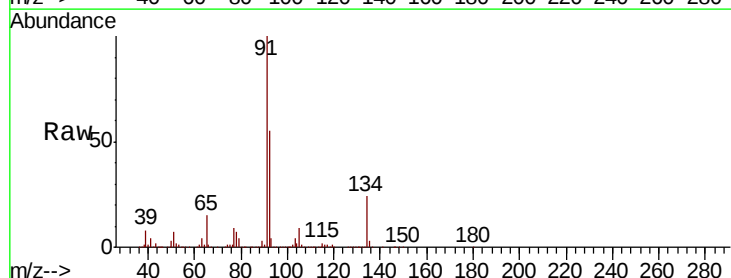
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



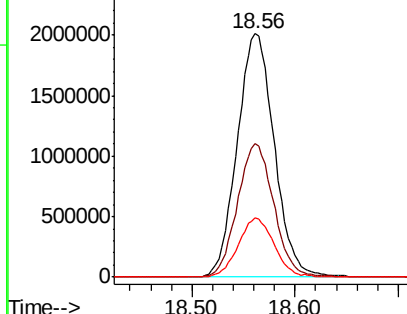
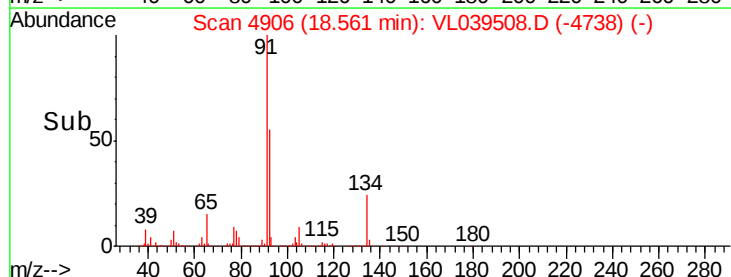
#70
 n-Butylbenzene
 Concen: 8.895 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.04 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

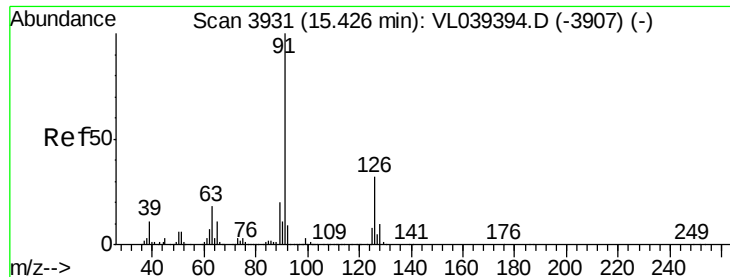
Tgt Ion: 91 Resp: 5007935

Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.4	65.2
134	23.9	18.9	28.3



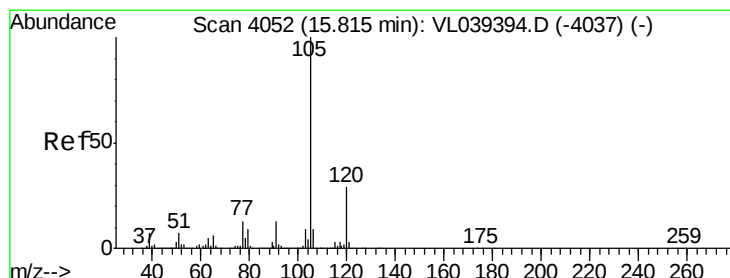
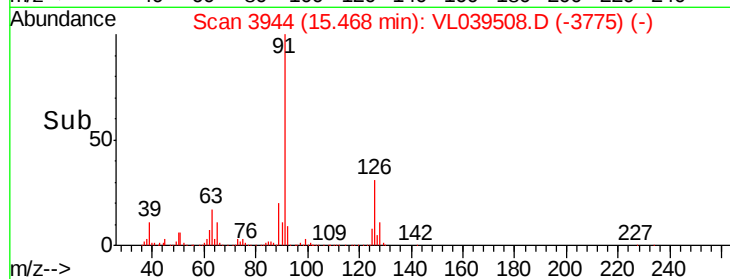
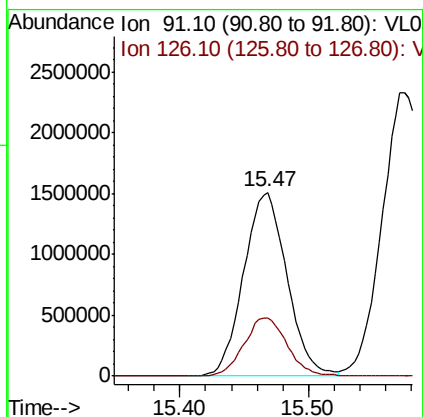
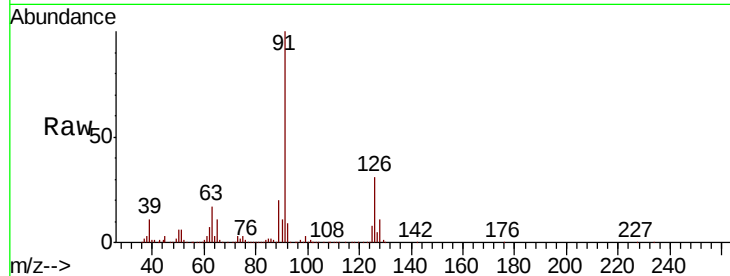
Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





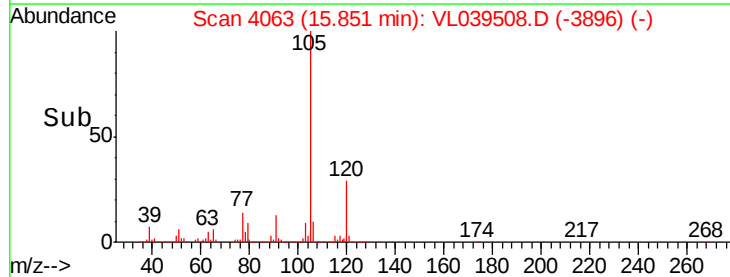
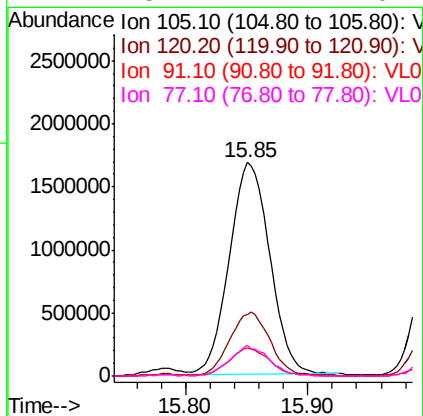
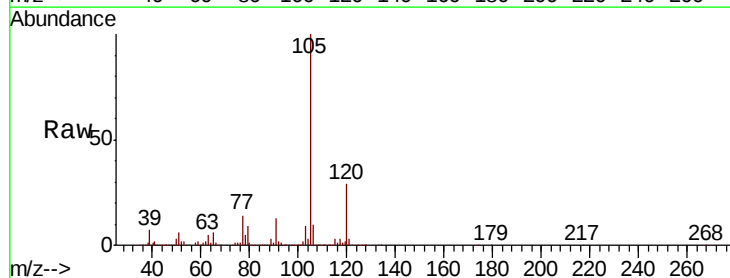
#71
 2-Chlorotoluene
 Concen: 8.962 ppbv
 RT: 15.47
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

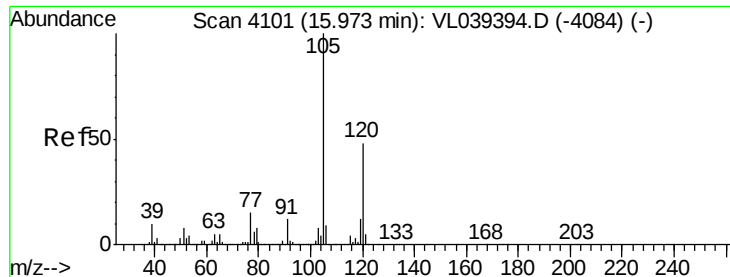
Tot Ion: 91 Resp: 3523067
 Ion Ratio Lower Upper
 91 100
 126 32.1 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 9.179 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T. 0.04 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

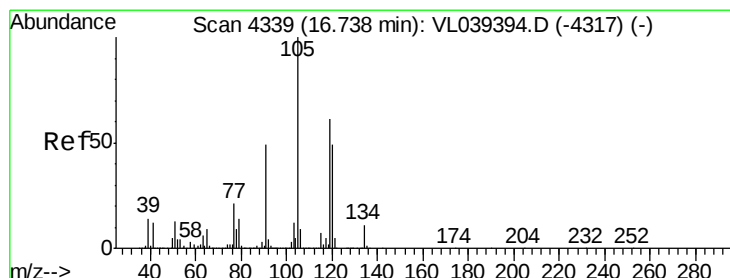
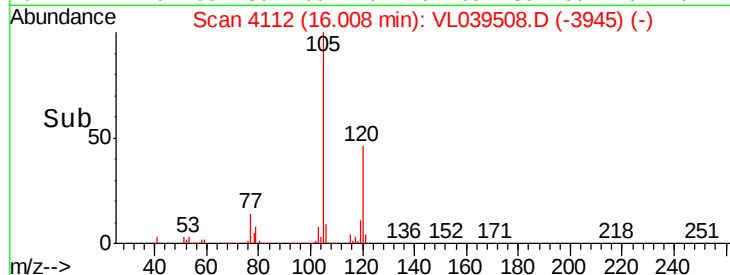
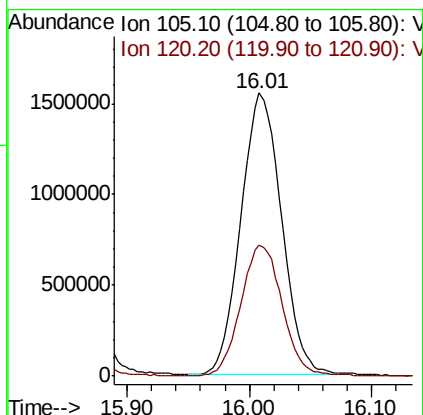
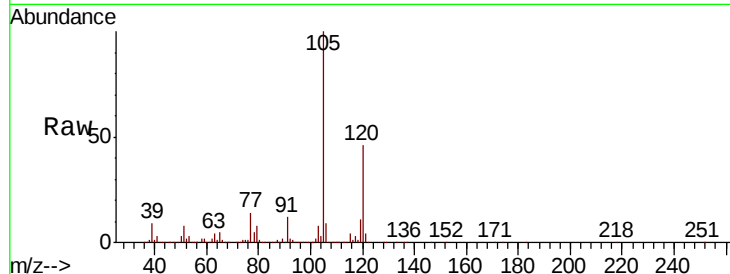
Tgt Ion:105 Resp: 3892137
 Ion Ratio Lower Upper
 105 100
 120 30.0 24.2 36.2
 91 13.1 10.2 15.4
 77 13.7 11.1 16.7





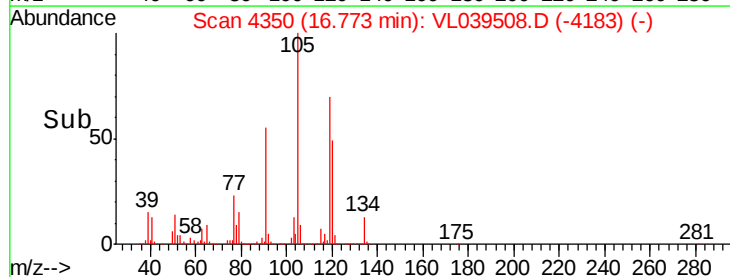
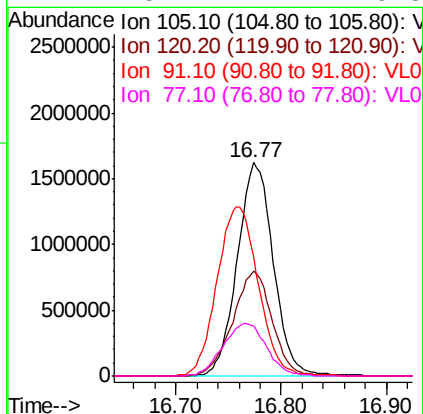
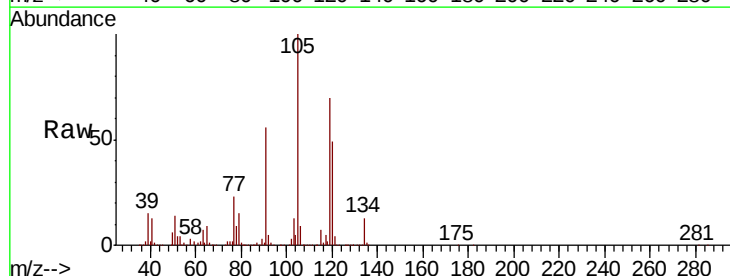
#73
 1,3,5-Trimethylbenzene
 Concen: 9.186 ppbv
 RT: 16.01 min
 Delta R.T. 0.04 min
 Lab File: VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

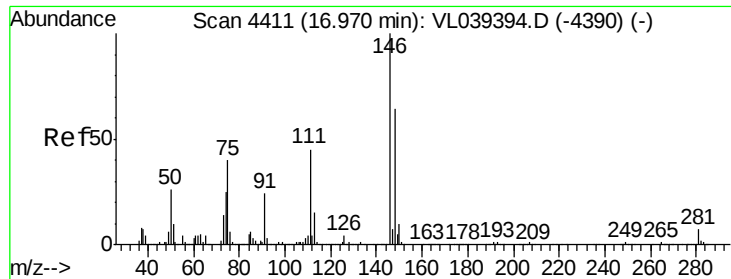
Tot Ion:105 Resp: 3577655
 Ion Ratio Lower Upper
 105 100
 120 46.1 38.2 57.4



#74
 1,2,4-Trimethylbenzene
 Concen: 8.929 ppbv
 RT: 16.77 min Scan# 4350
 Delta R.T. 0.04 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

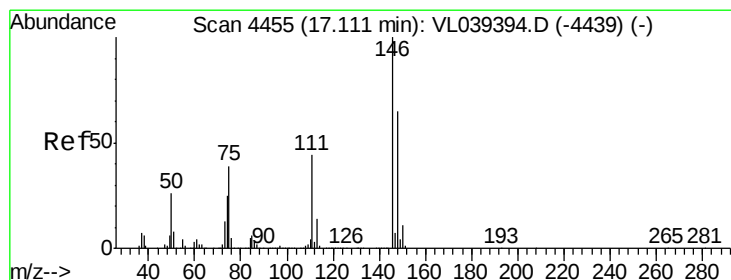
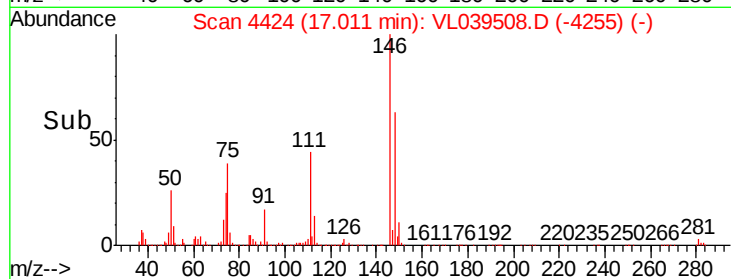
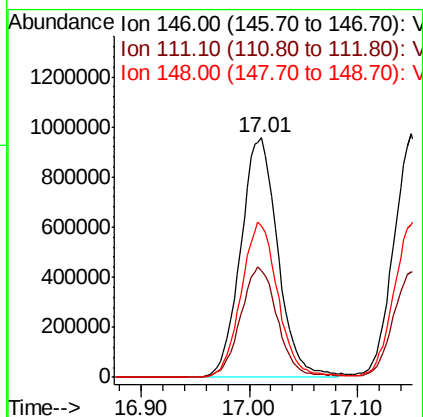
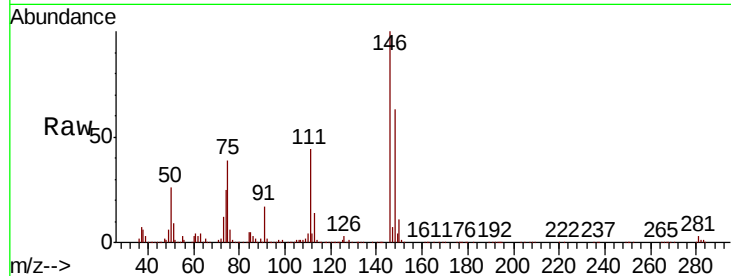
Tgt Ion:105 Resp: 3846837
 Ion Ratio Lower Upper
 105 100
 120 49.3 39.5 59.3
 91 55.2 39.2 58.8
 77 23.1 17.2 25.8





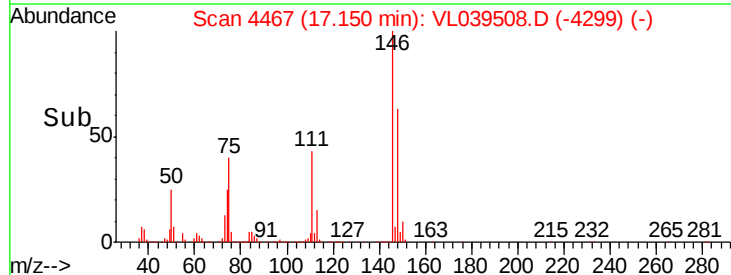
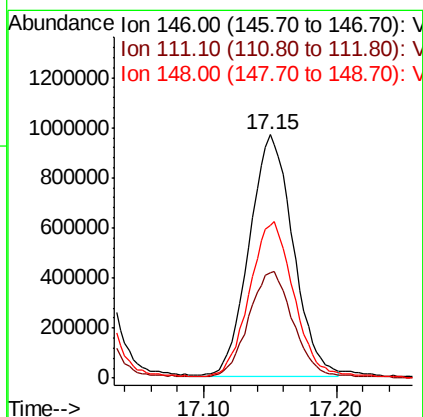
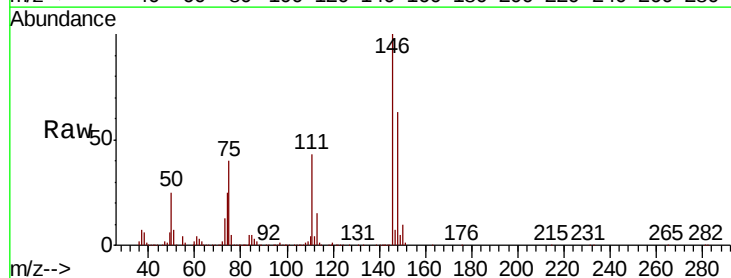
#75
 1,3-Dichlorobenzene
 Concen: 8.913 ppbv
 RT: 17.01 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

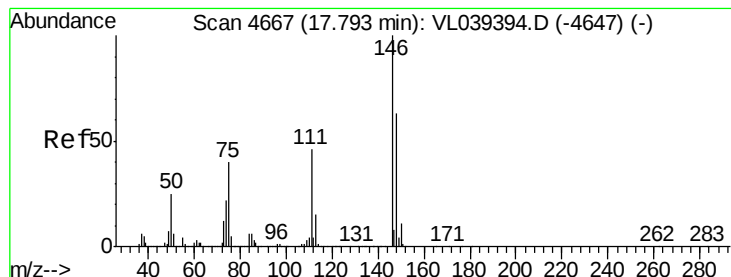
Tot Ion:146 Resp: 2290690
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.9 68.7
 148 64.3 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 8.726 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.04 min
 Lab File: VL039508.D
 Acq: 20 Jul 2022 11:39

Tgt Ion:146 Resp: 2222631
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.8
 148 66.2 33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 8.695 ppbv

RT: 17.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 11:39

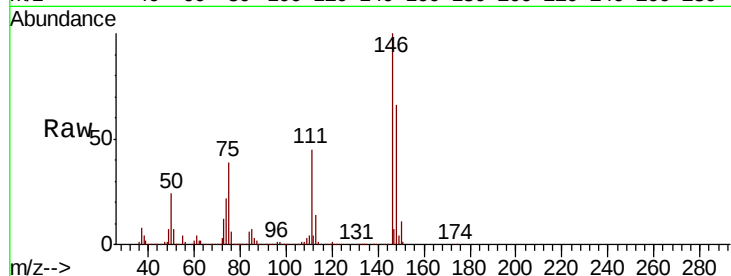
Tot Ion:146 Resp: 2215110

Ion Ratio Lower Upper

146 100

111 46.9 23.8 71.5

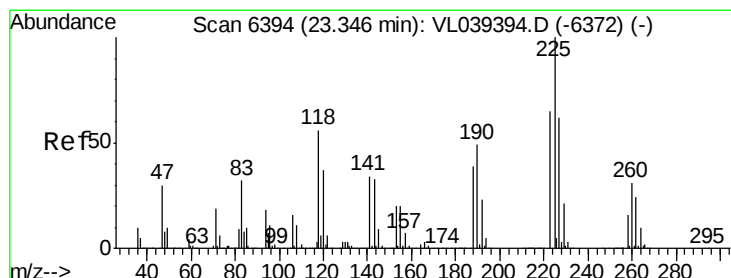
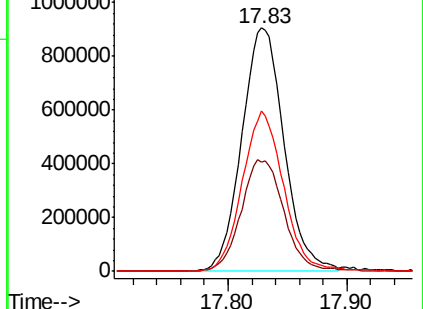
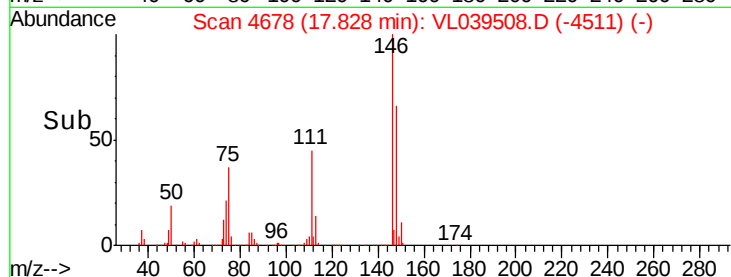
148 64.5 32.3 96.8



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: 7.686 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. 0.04 min

Lab File: VL039508.D

Acq: 20 Jul 2022 11:39

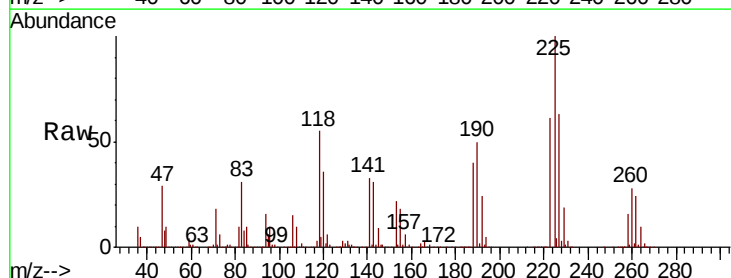
Tgt Ion:225 Resp: 1574603

Ion Ratio Lower Upper

225 100

223 64.5 51.8 77.6

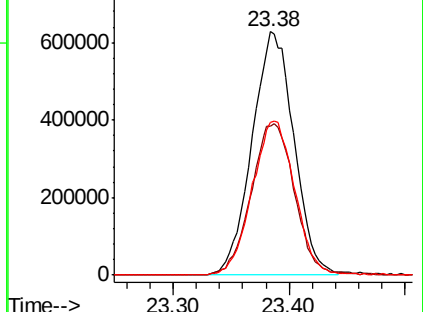
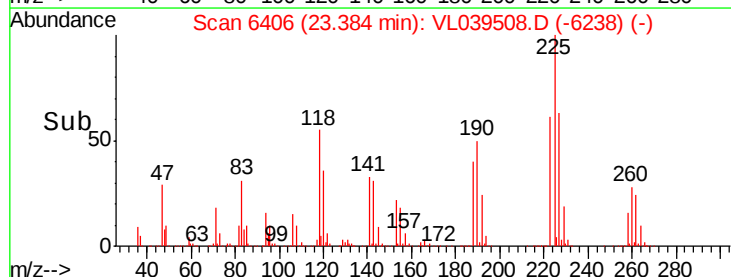
227 65.0 51.4 77.2

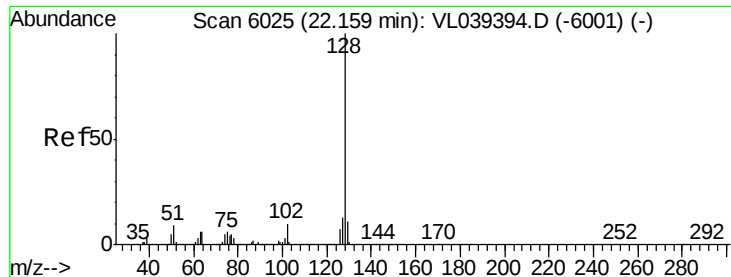


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.098 ppbv

RT: 22.21 min

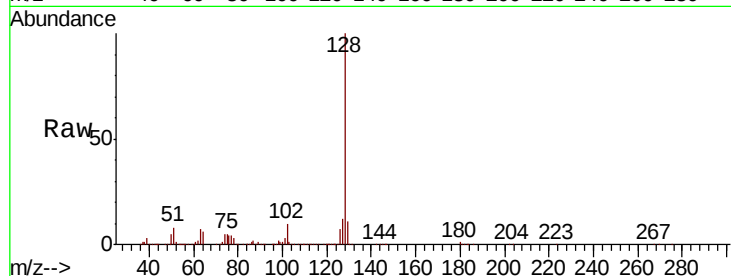
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

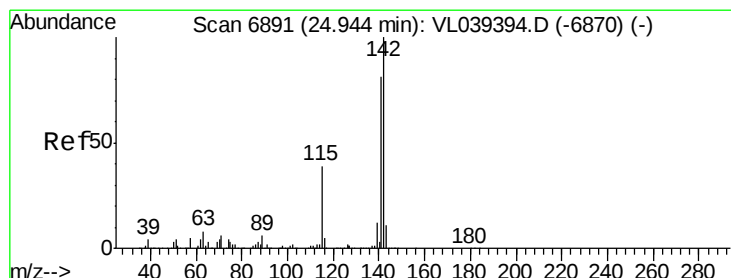
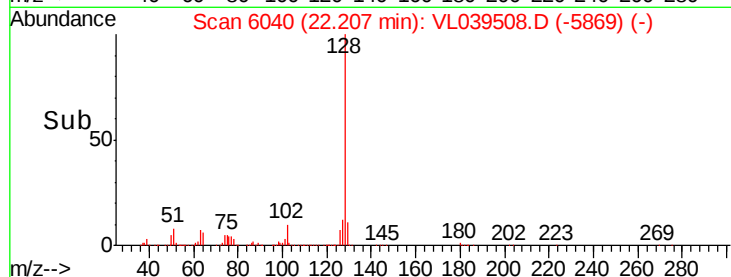
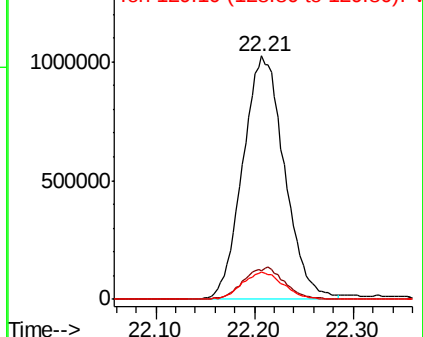
Acq: 20 Jul 2022 11:39

Tot Ion:128 Resp: 2994097

Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.6	15.8
129	11.1	8.8	13.2



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: 9.606 ppbv

RT: 24.98 min Scan# 6902

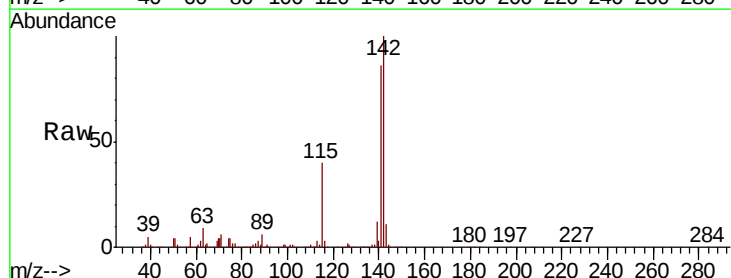
Delta R.T. 0.04 min

Lab File: VL039508.D

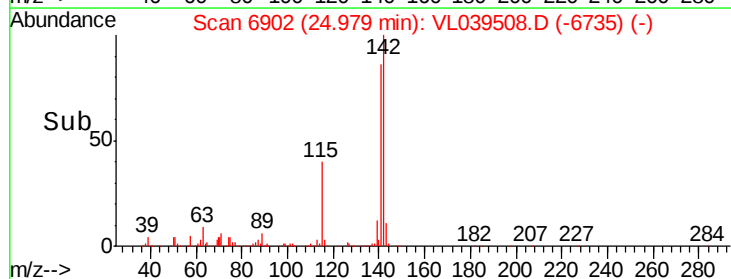
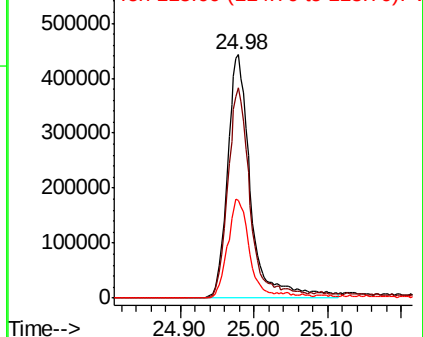
Acq: 20 Jul 2022 11:39

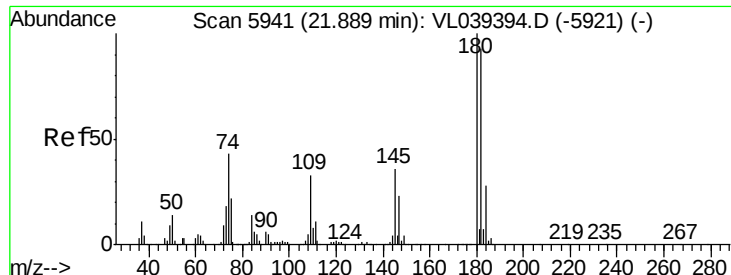
Tgt Ion:142 Resp: 969341

Ion	Ratio	Lower	Upper
142	100		
141	88.7	68.9	103.3
115	39.7	30.0	45.0



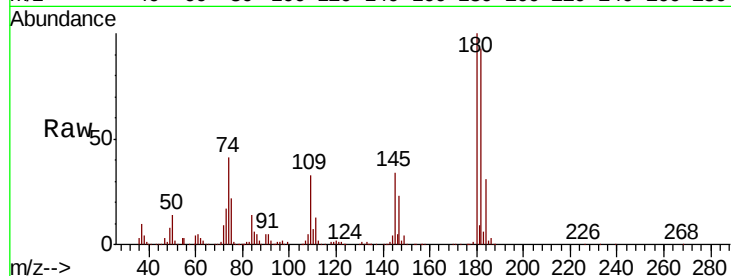
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.002 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 20 Jul 2022 11:39

Tot Ion:180 Resp: 1738477
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.1 115.7
 184 31.0 24.3 36.5



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

