

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071322\
 Data File : VL039469.D
 Acq On : 13 Jul 2022 16:49
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 14 01:20:28 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.67	49	1405025	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3896876	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4490755	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2731522	8.20	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	2016008	9.95	ppbv	98
3) Chlorodifluoromethane	3.00	51	1572840	8.82	ppbv	96
4) Chloromethane	3.15	50	909916	9.33	ppbv	97
5) Vinyl Chloride	3.27	62	866344	9.01	ppbv	98
6) Bromomethane	3.48	94	348376	8.61	ppbv	99
7) Chloroethane	3.57	64	298413	8.73	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2011325	9.09	ppbv	96
9) Propene	3.02	41	800258	9.94	ppbv	97
10) Heptane	8.13	43	1931642	10.24	ppbv	99
11) Trichlorofluoromethane	3.96	101	1869834	8.28	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1384112	8.22	ppbv	100
13) Ethanol	3.60	45	13604	2.91	ppbv #	1
14) Bromoethene	3.75	108	602554	8.51	ppbv	97
15) Acetone	3.86	43	1446144	8.70	ppbv	99
16) 1,3-Butadiene	3.34	39	816335	9.46	ppbv	100
17) tert-Butyl alcohol	4.29	59	1362378	9.66	ppbv	99
18) 1,1-Dichloroethene	4.30	96	652324	8.55	ppbv	99
19) Isopropyl Alcohol	3.97	45	773407	8.72	ppbv #	95
20) Methylene Chloride	4.35	84	537105	8.11	ppbv	99
21) Allyl Chloride	4.42	41	1027999	8.93	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	647909	8.78	ppbv	97
23) Vinyl Acetate	5.08	43	1209059	10.88	ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1573522	10.03	ppbv	98
25) Ethyl Acetate	5.68	43	3368064	9.88	ppbv	100
26) Hexane	5.70	57	1449366	10.55	ppbv	97
27) Carbon Disulfide	4.56	76	1532631	9.24	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1580374	10.76	ppbv	97
29) Chloroform	5.76	83	2088304	8.74	ppbv	97
30) Cyclohexane	7.14	84	1249761	9.99	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1401232	9.61	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2058585	8.73	ppbv	99
34) 2-Butanone	5.25	43	1999349	10.19	ppbv	100
35) Carbon Tetrachloride	7.03	117	2105954	8.75	ppbv	100
36) Benzene	6.90	78	3001040	9.95	ppbv	96
37) 1,2-Dichloroethane	6.31	62	1569451	8.82	ppbv	98
38) Trichloroethene	7.84	130	1517257	9.30	ppbv	100
39) 1,2-Dichloropropane	7.62	63	1154045	10.24	ppbv	96
40) 1,4-Dioxane	7.83	88	397133	8.85	ppbv #	1
41) Tetrahydrofuran	6.06	42	1214662	10.69	ppbv	99
42) Bromodichloromethane	7.80	83	2299049	9.58	ppbv	99
43) Methyl Methacrylate	8.02	69	1220436	10.64	ppbv	100

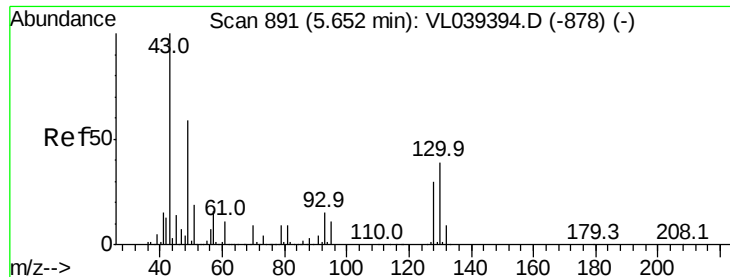
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071322\
 Data File : VL039469.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4994129	9.77	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	1209819	11.85	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1574501	11.20	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	1204477	9.53	ppbv	97
48) Dibromochloromethane	10.31	129	1998755	9.95	ppbv	99
49) Bromoform	13.05	173	1711914	10.56	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	3172596	10.70	ppbv	99
51) 2-Hexanone	10.14	43	2488636	11.09	ppbv #	98
52) Tetrachloroethene	11.23	164	1148664	9.46	ppbv	97
53) Toluene	9.82	91	3545250	10.19	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1577176	10.03	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1463639	7.38	ppbv #	93
57) Chlorobenzene	12.15	112	2612326	7.50	ppbv	97
58) Ethyl Benzene	12.72	91	4630922	7.99	ppbv	99
59) m/p-Xylene	13.00	91	3761861	7.36	ppbv #	21
60) o-Xylene	13.70	91	3711027	7.67	ppbv	98
61) Styrene	13.53	104	2308327	8.80	ppbv	99
62) Isopropylbenzene	14.67	105	5558829	7.54	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1836340	7.24	ppbv	100
64) n-propylbenzene	15.56	120	1482235	7.93	ppbv	96
65) tert-Butylbenzene	16.75	119	4992902	7.33	ppbv	98
66) Benzyl Chloride	17.00	91	581501	8.98	ppbv	100
67) sec-Butylbenzene	17.30	105	6873415	7.49	ppbv	99
69) p-Isopropyltoluene	17.66	119	5889698	7.57	ppbv	99
70) n-Butylbenzene	18.55	91	5739189	7.60	ppbv	99
71) 2-Chlorotoluene	15.46	91	4110552	7.79	ppbv	100
72) 4-Ethyltoluene	15.85	105	4529828	7.96	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4098109	7.84	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4361197	7.54	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2642610	7.66	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2572215	7.52	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2547065	7.45	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1808052	6.58	ppbv	99
79) Naphthalene	22.20	128	3540080	8.90	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	1199996	8.86	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	2089430	8.06	ppbv	98

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49 VSTDCCC010

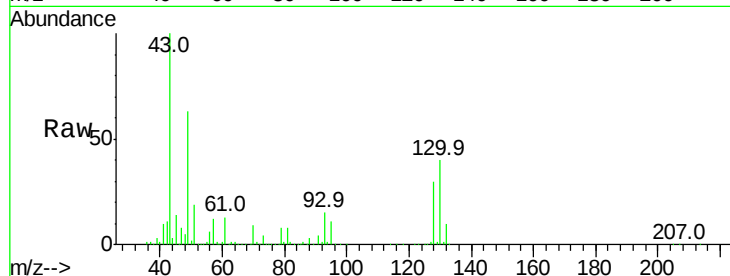
Tgt Ion: 49 Resp: 1405025

Ion Ratio Lower Upper

49 100

128 51.9 26.7 80.0

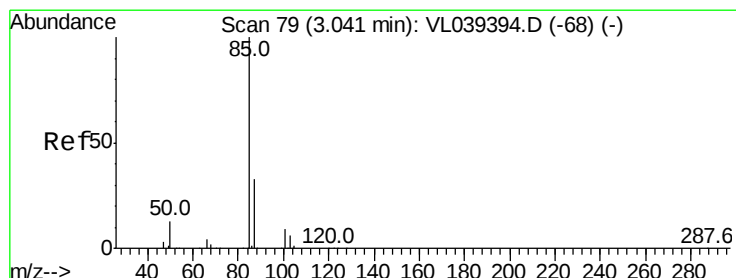
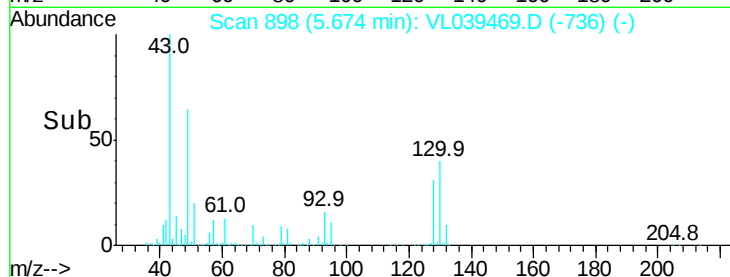
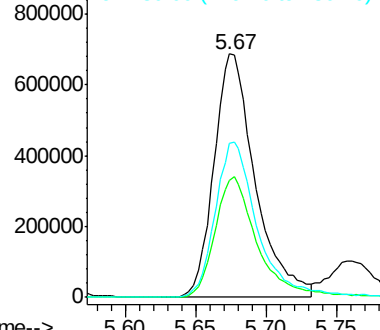
130 66.9 34.3 102.8



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: 9.95 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL039469.D

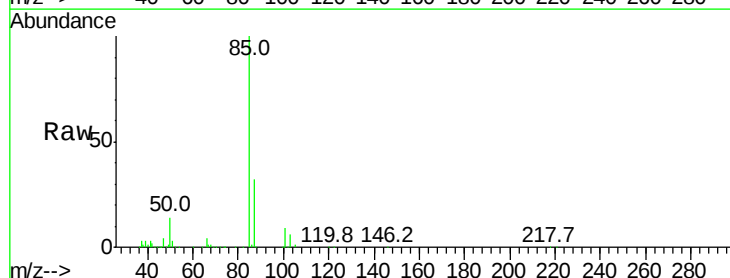
Acq: 13 Jul 2022 16:49

Tgt Ion: 85 Resp: 2016008

Ion Ratio Lower Upper

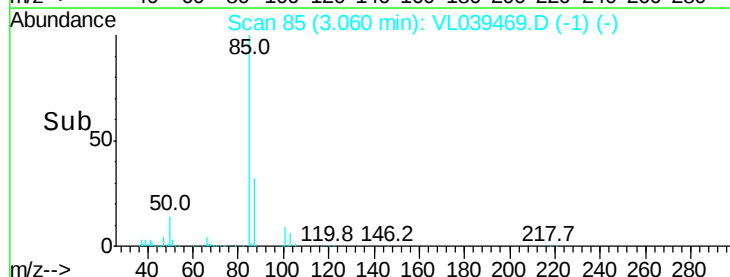
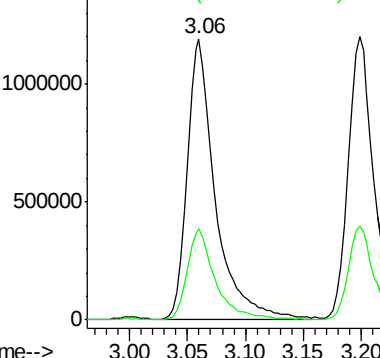
85 100

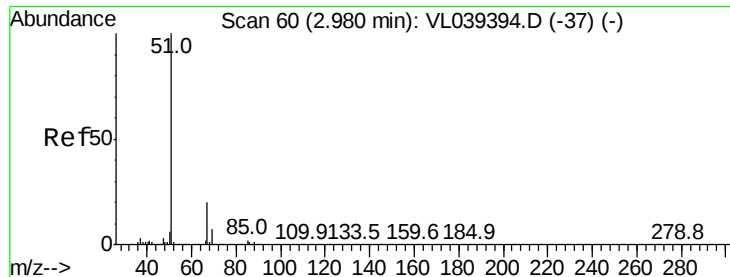
87 32.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.82 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

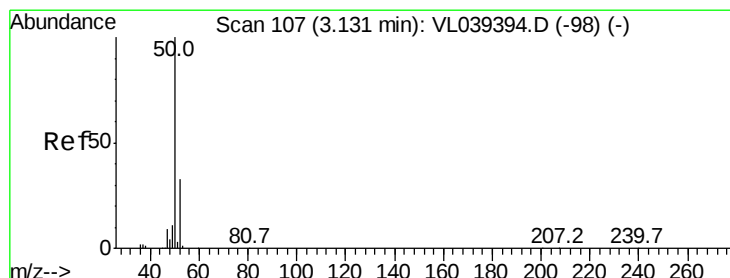
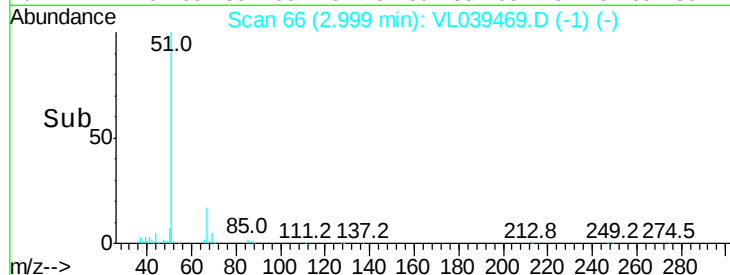
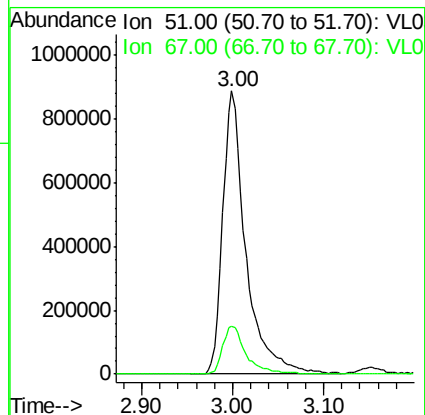
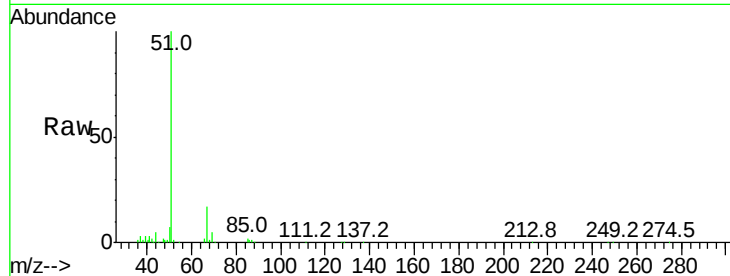
Acq: 13 Jul 2022 16:49 VSTDCCC010

Tgt Ion: 51 Resp: 1572840

Ion Ratio Lower Upper

51 100

67 17.8 15.7 23.5



#4

Chloromethane

Concen: 9.33 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL039469.D

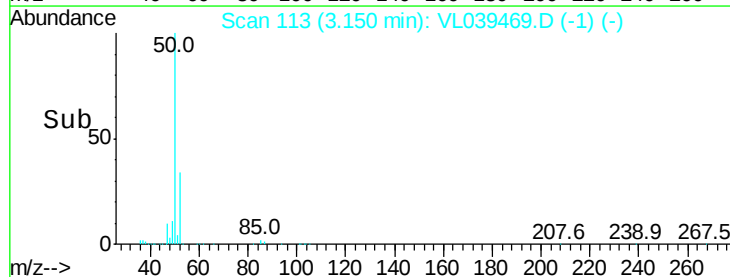
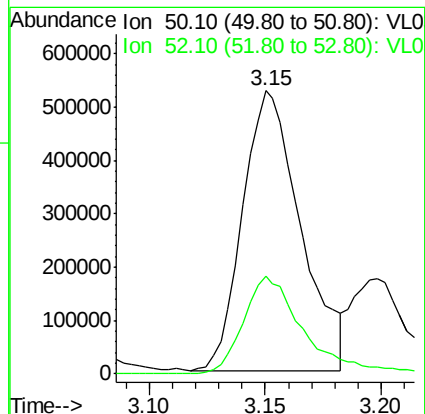
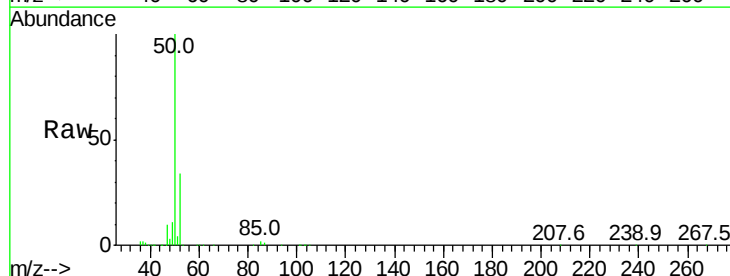
Acq: 13 Jul 2022 16:49

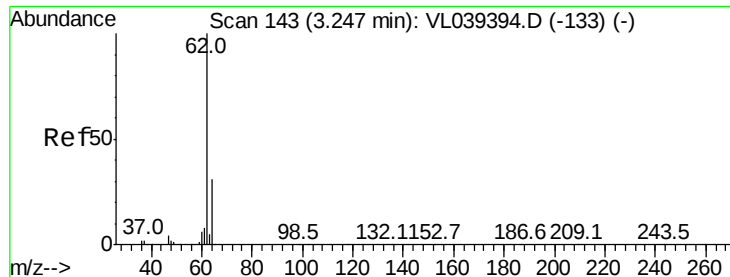
Tgt Ion: 50 Resp: 909916

Ion Ratio Lower Upper

50 100

52 34.7 26.5 39.7





#5

Vinyl Chloride

Concen: 9.01 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

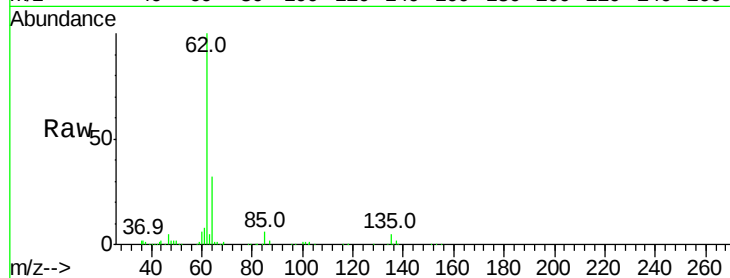
Acq: 13 Jul 2022 16:49 VSTDCCC010

Tgt Ion: 62 Resp: 866344

Ion Ratio Lower Upper

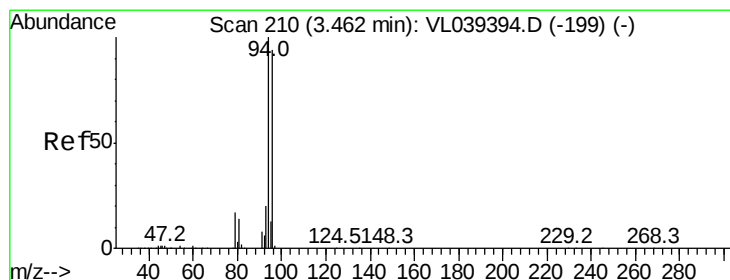
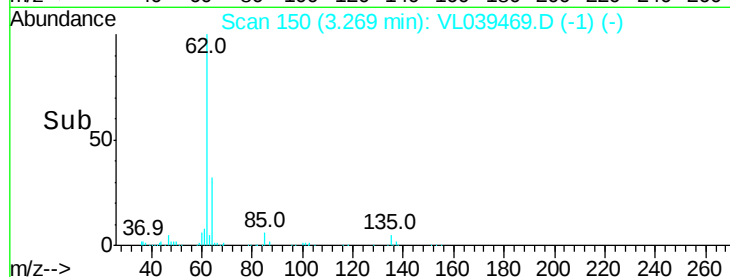
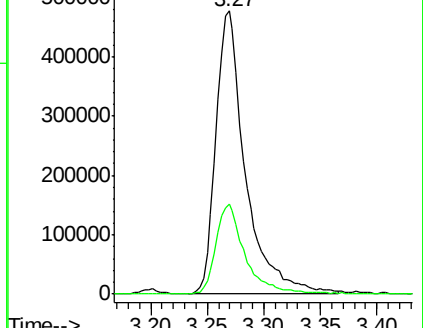
62 100

64 31.7 24.6 36.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.61 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL039469.D

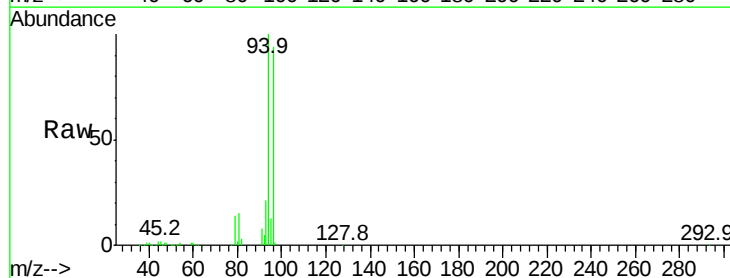
Acq: 13 Jul 2022 16:49

Tgt Ion: 94 Resp: 348376

Ion Ratio Lower Upper

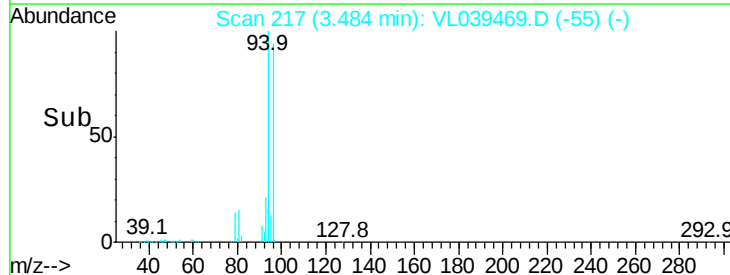
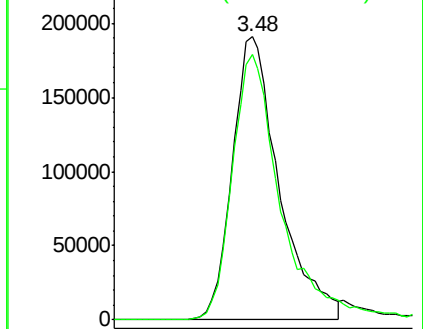
94 100

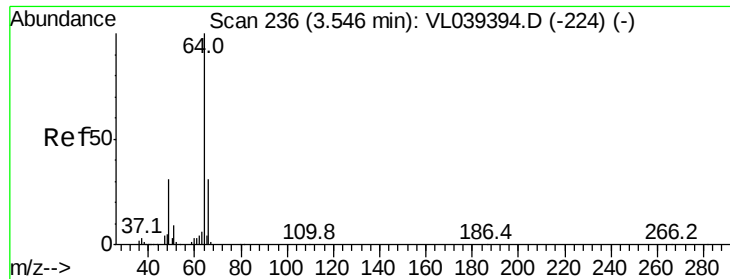
96 93.6 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.73 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

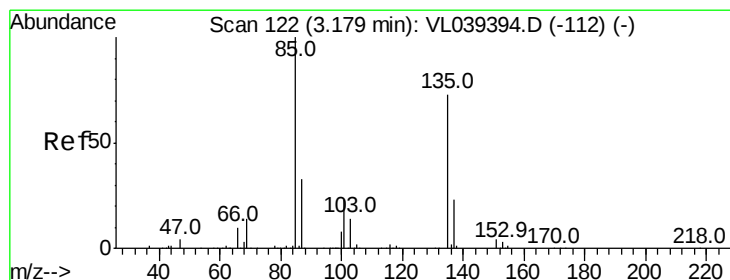
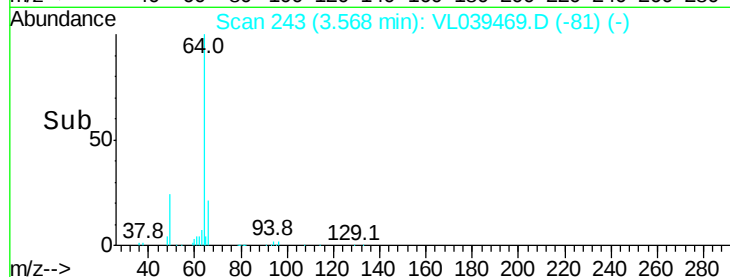
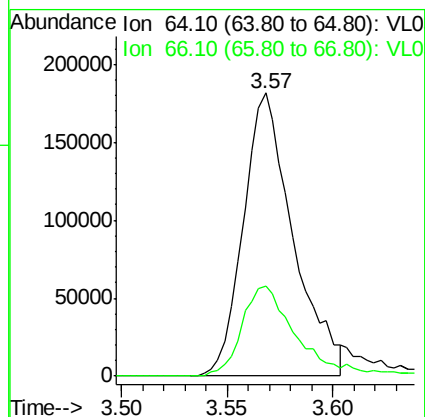
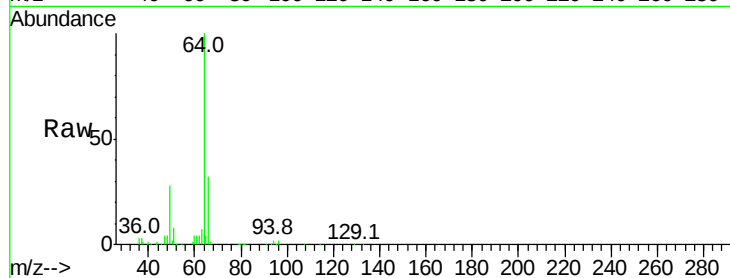
Acq: 13 Jul 2022 16:49 VSTDCCC010

Tgt Ion: 64 Resp: 298413

Ion Ratio Lower Upper

64 100

66 31.6 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.09 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL039469.D

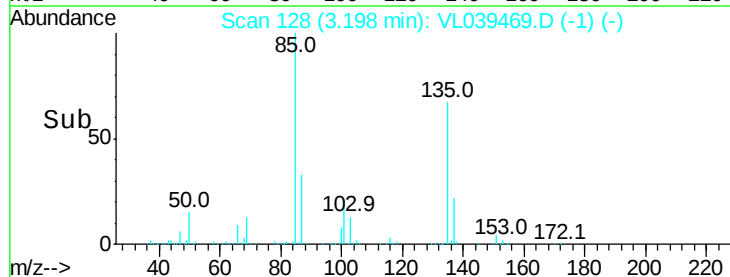
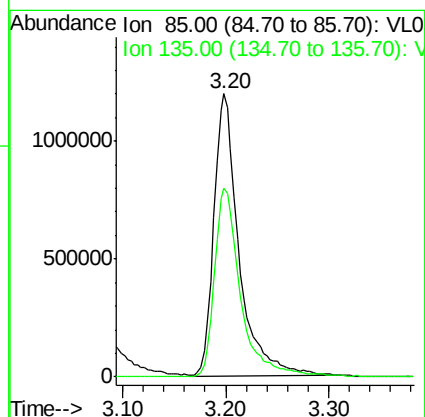
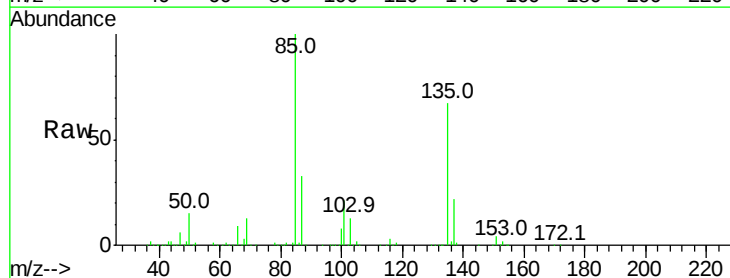
Acq: 13 Jul 2022 16:49

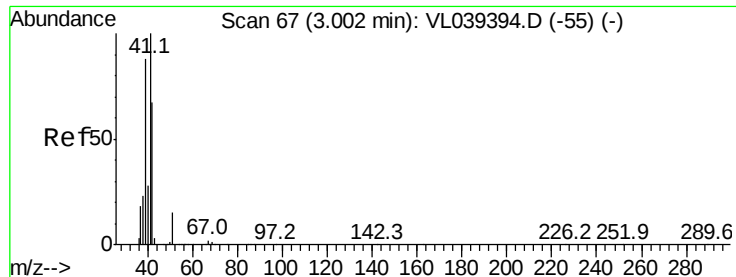
Tgt Ion: 85 Resp: 2011325

Ion Ratio Lower Upper

85 100

135 70.3 59.0 88.4





#9

Propene

Concen: 9.94 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.02

Lab File: ClientSampleId: VSTDCCC010

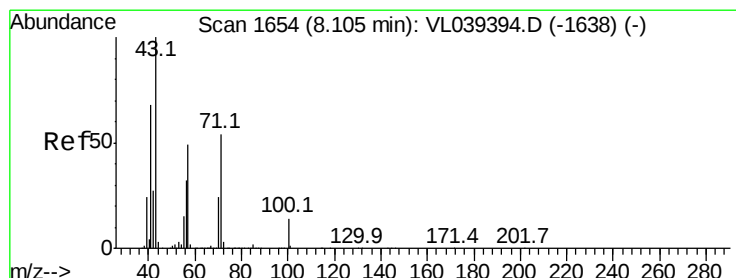
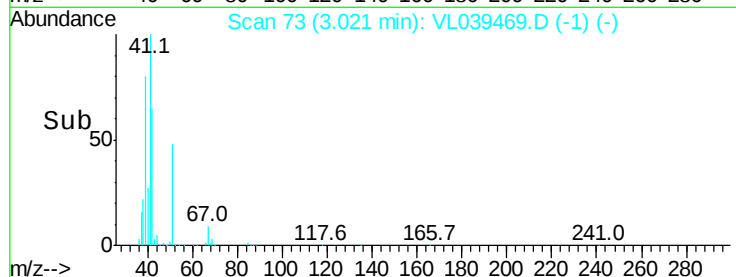
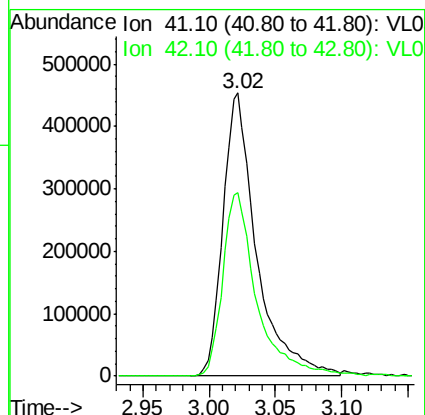
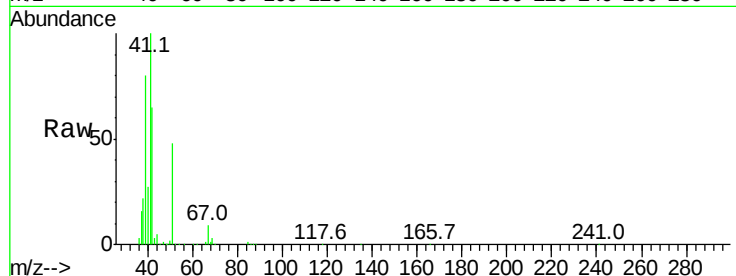
Acq: 13 Jul 2022 16:49

Tgt Ion: 41 Resp: 800258

Ion Ratio Lower Upper

41 100

42 66.2 55.2 82.8



#10

Heptane

Concen: 10.24 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.02 min

Lab File: VL039469.D

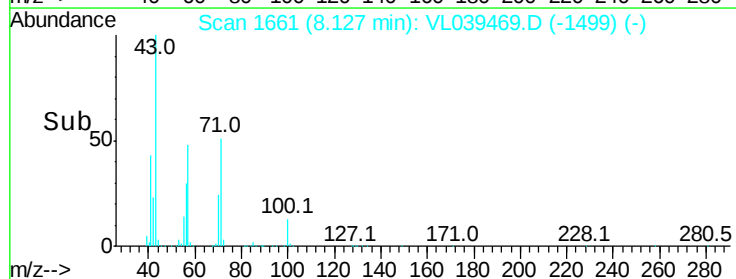
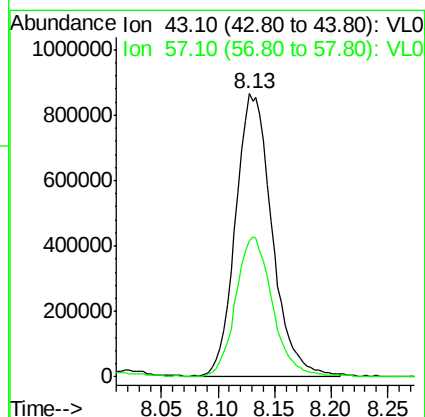
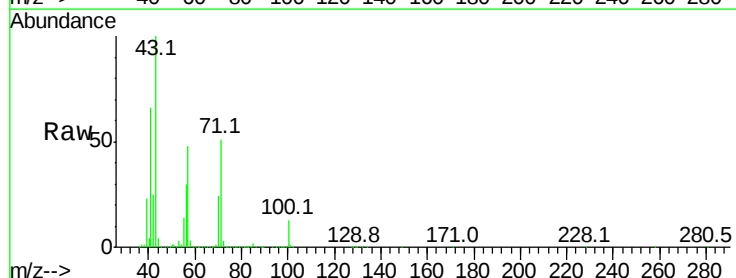
Acq: 13 Jul 2022 16:49

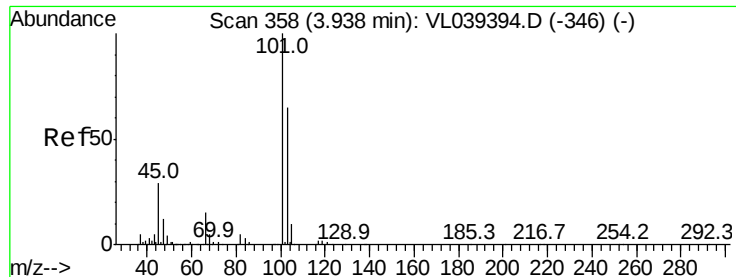
Tgt Ion: 43 Resp: 1931642

Ion Ratio Lower Upper

43 100

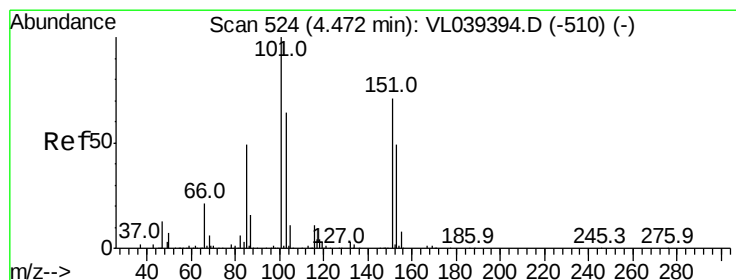
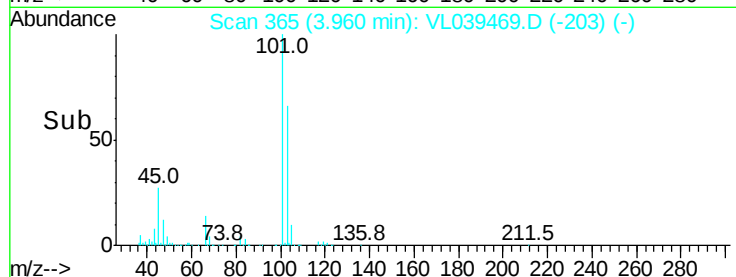
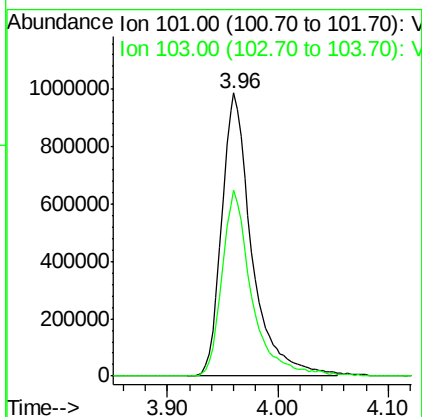
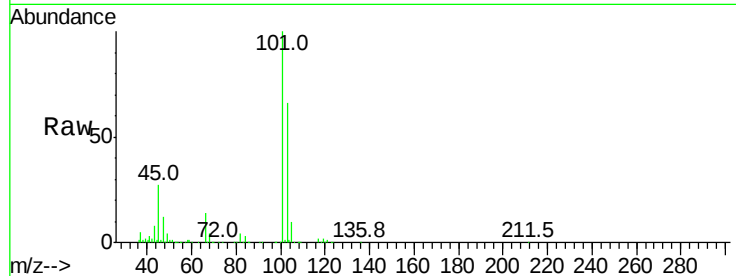
57 50.0 40.5 60.7





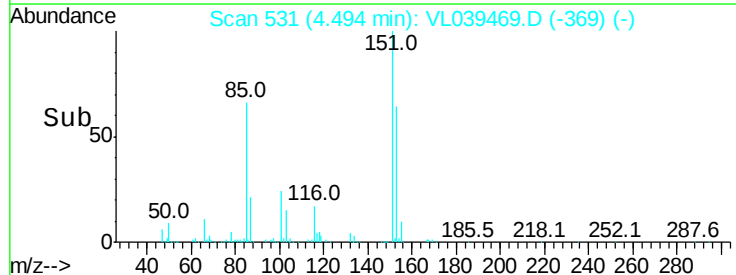
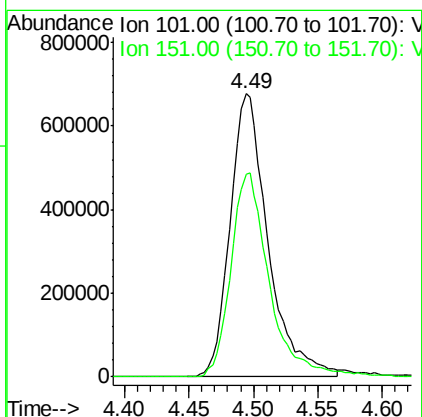
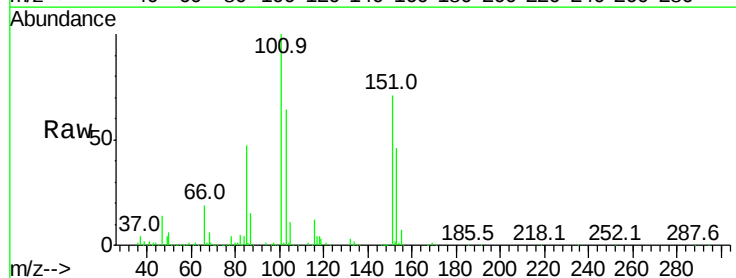
#11
 Trichlorofluoromethane
 Concen: 8.28 ppbv
 RT: 3.96 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Jul 2022 16:49 VSTDCCC010

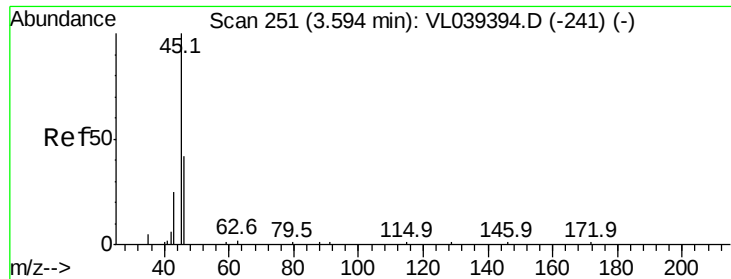
Tgt Ion:101 Resp: 1869834
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.22 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.02 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49

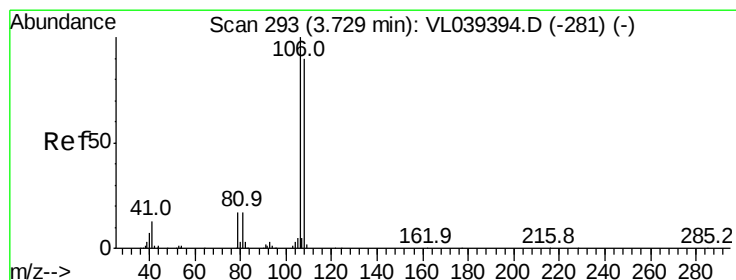
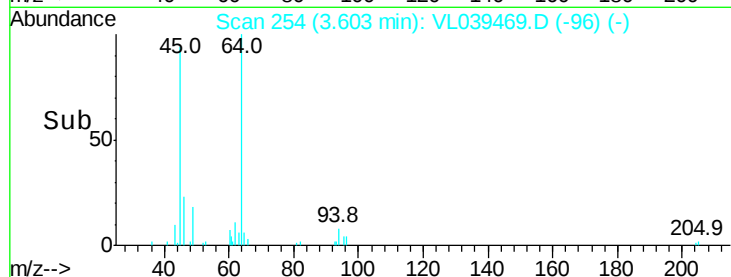
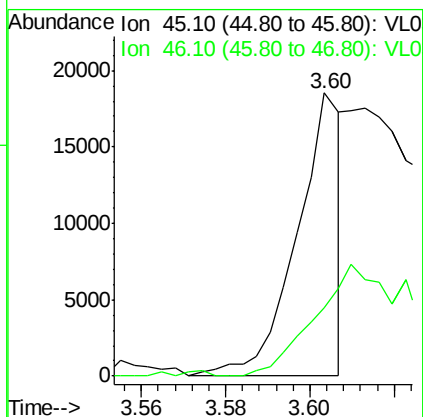
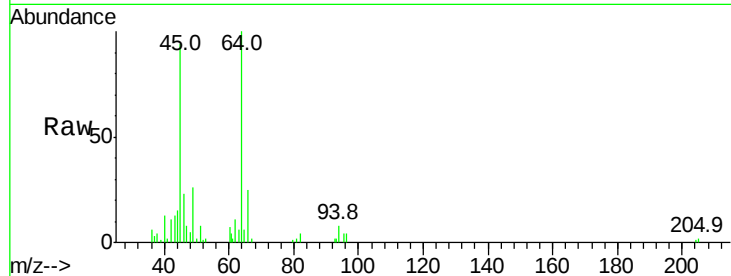
Tgt Ion:101 Resp: 1384112
 Ion Ratio Lower Upper
 101 100
 151 73.5 58.9 88.3





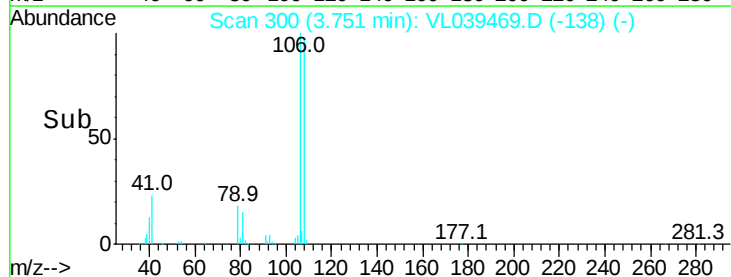
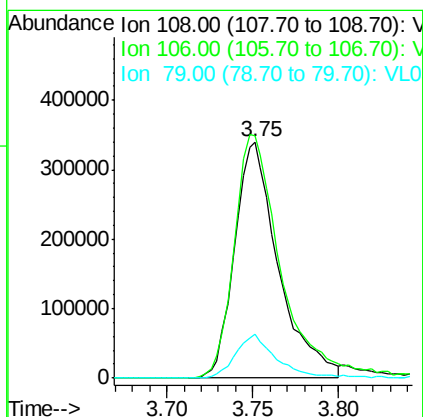
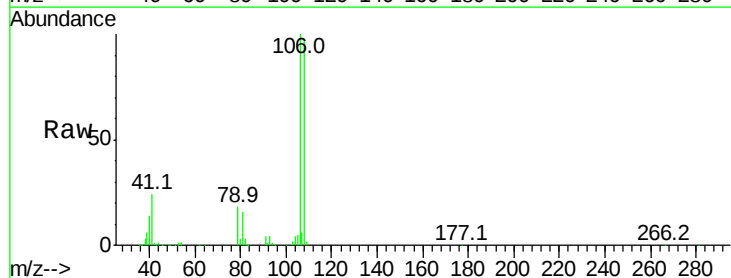
#13
 Ethanol
 Concen: 2.91 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Jul 2022 16:49

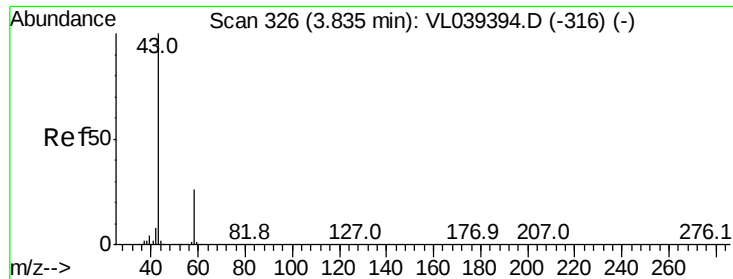
Tgt Ion: 45 Resp: 13604
 Ion Ratio Lower Upper
 45 100
 46 131.2 22.8 91.2#



#14
 Bromoethene
 Concen: 8.51 ppbv
 RT: 3.75 min Scan# 300
 Delta R.T. 0.02 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49

Tgt Ion: 108 Resp: 602554
 Ion Ratio Lower Upper
 108 100
 106 112.6 87.1 130.7
 79 17.6 14.6 22.0





#15

Acetone

Concen: 8.70 ppbv

RT: 3.86 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

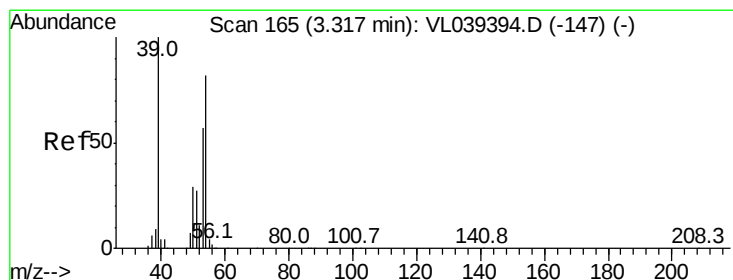
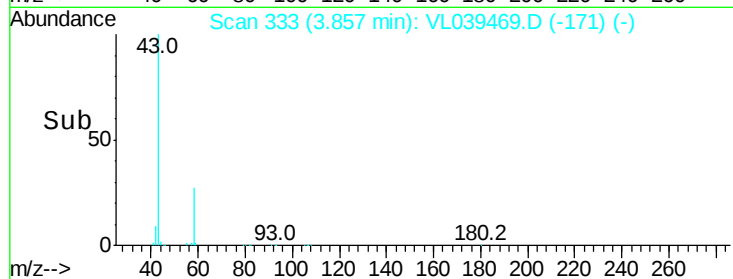
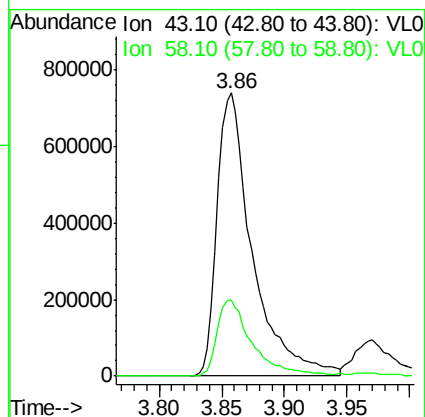
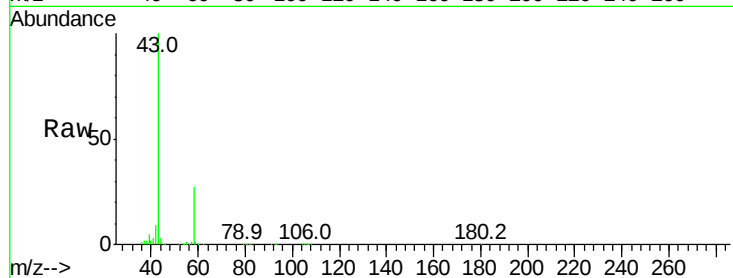
Acq: 13 Jul 2022 16:49 VSTDCCC010

Tgt Ion: 43 Resp: 1446144

Ion Ratio Lower Upper

43 100

58 26.6 21.0 31.6



#16

1,3-Butadiene

Concen: 9.46 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.02 min

Lab File: VL039469.D

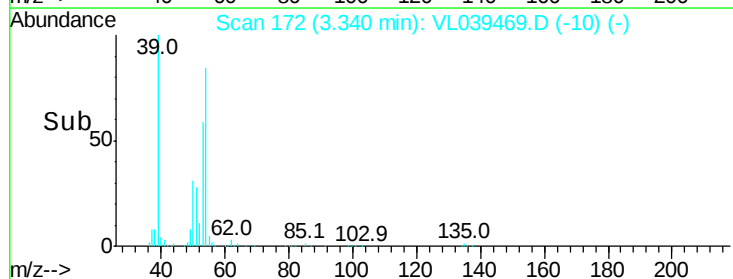
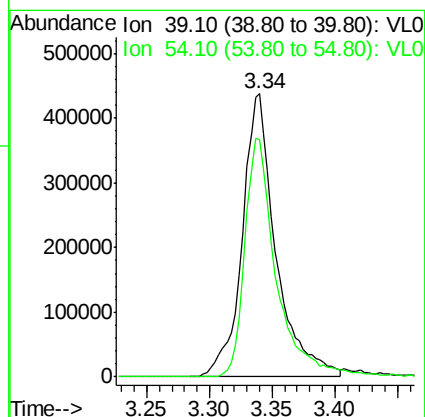
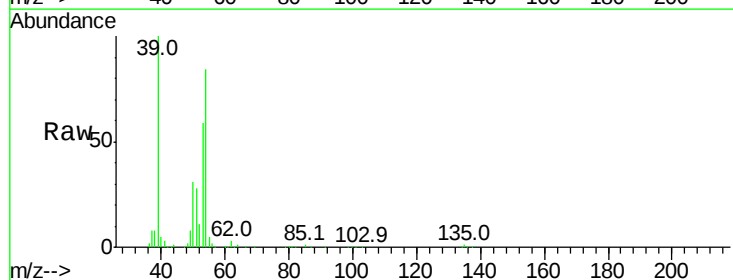
Acq: 13 Jul 2022 16:49

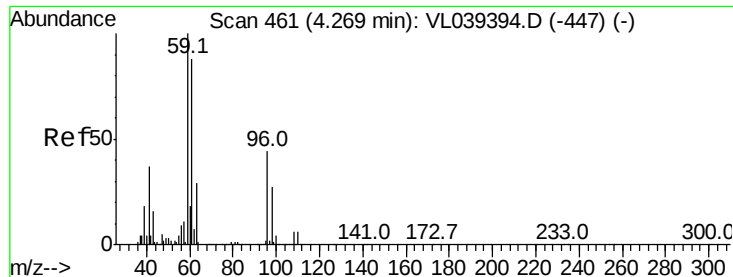
Tgt Ion: 39 Resp: 816335

Ion Ratio Lower Upper

39 100

54 79.9 63.7 95.5





#17

tert-Butyl alcohol

Concen: 9.66 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

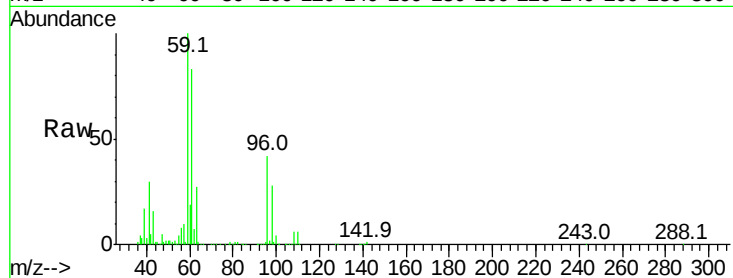
Acq: 13 Jul 2022 16:49 VSTDCCC010

Tgt Ion: 59 Resp: 1362378

Ion Ratio Lower Upper

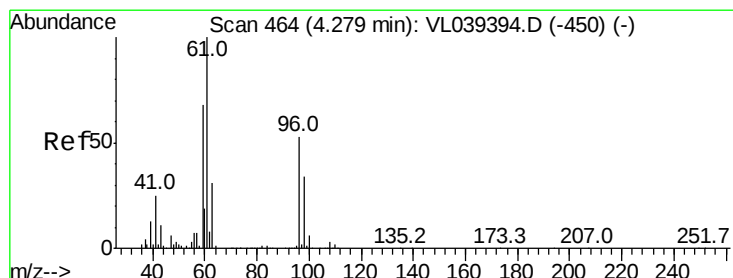
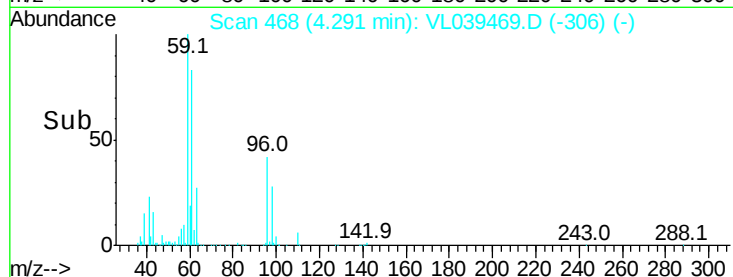
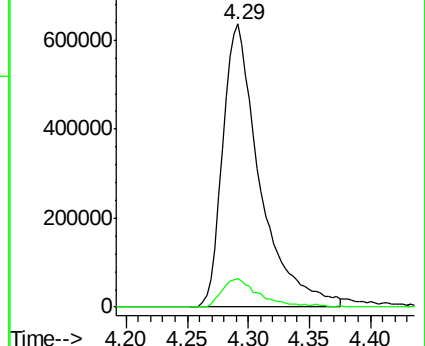
59 100

57 10.5 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 8.55 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

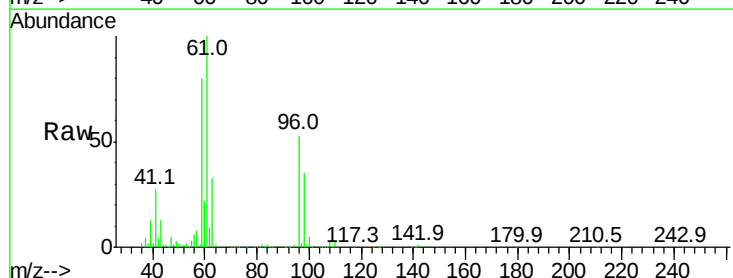
Tgt Ion: 96 Resp: 652324

Ion Ratio Lower Upper

96 100

61 188.0 152.2 228.4

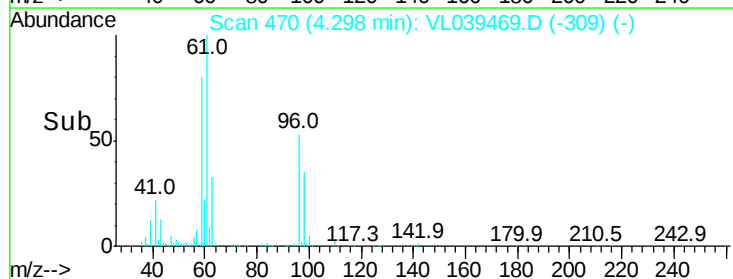
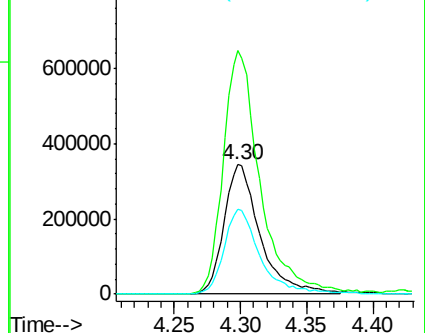
98 65.6 51.8 77.6

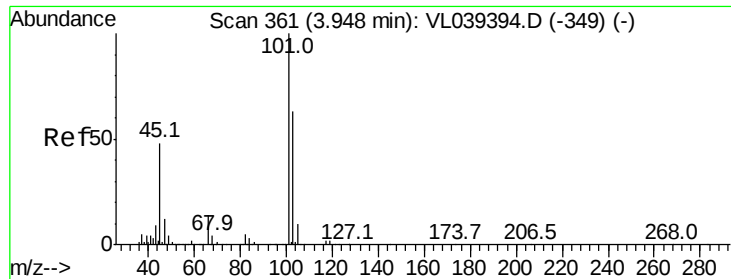


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.72 ppbv

RT: 3.97 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

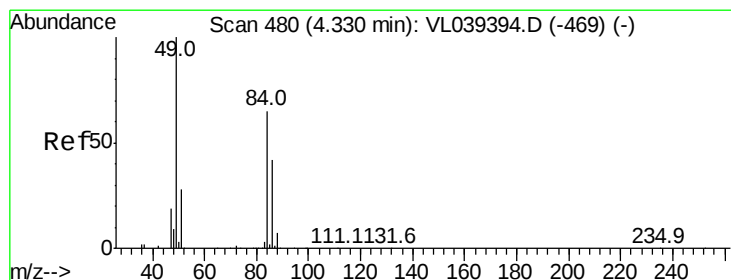
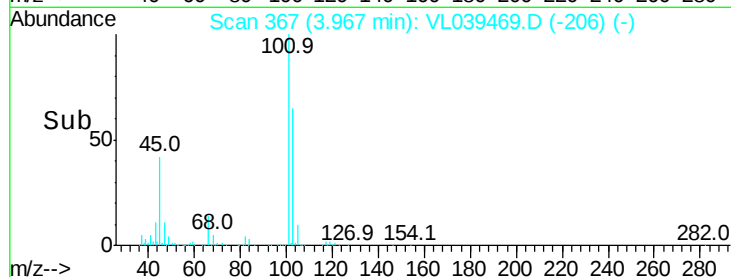
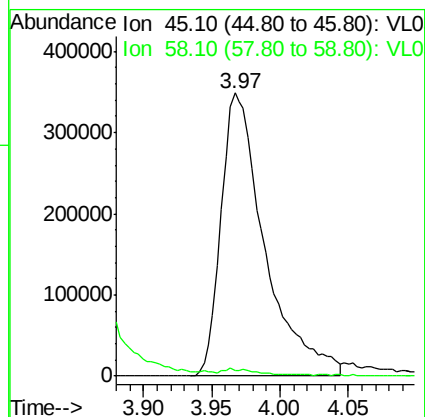
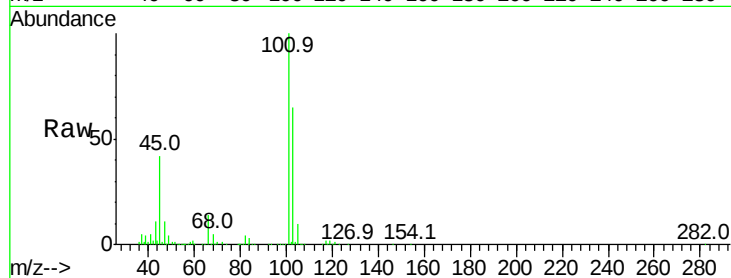
Acq: 13 Jul 2022 16:49

Tgt Ion: 45 Resp: 773407

Ion Ratio Lower Upper

45 100

58 2.3 3.2 4.8#



#20

Methylene Chloride

Concen: 8.11 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

Tgt Ion: 84 Resp: 537105

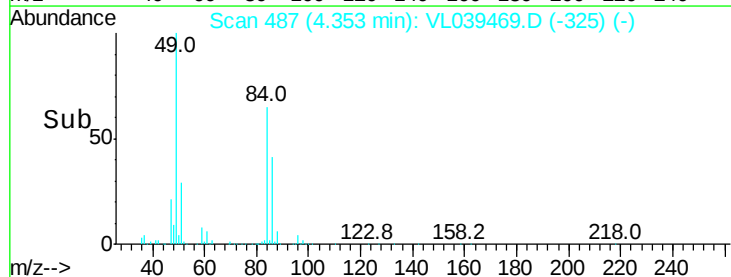
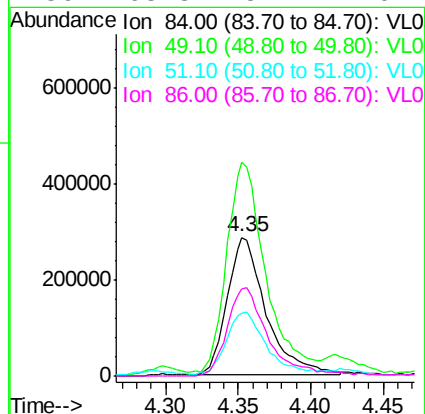
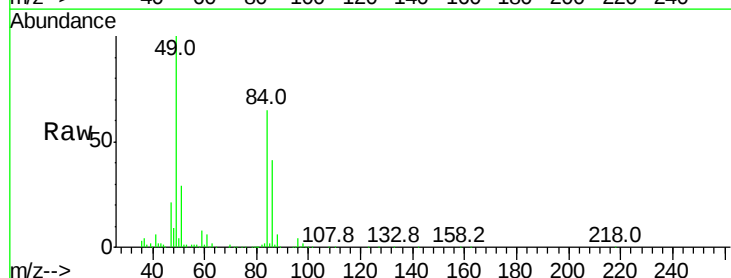
Ion Ratio Lower Upper

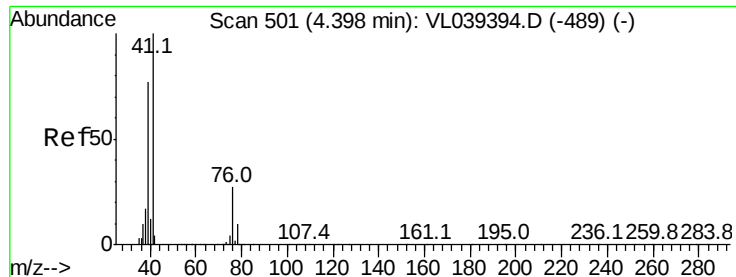
84 100

49 152.3 123.1 184.7

51 43.9 34.4 51.6

86 63.3 51.1 76.7





#21

Allyl Chloride

Concen: 8.93 ppbv

RT: 4.42

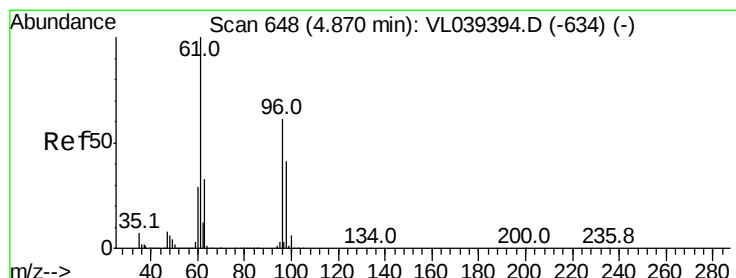
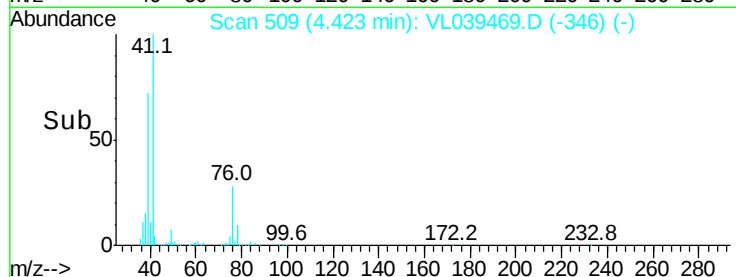
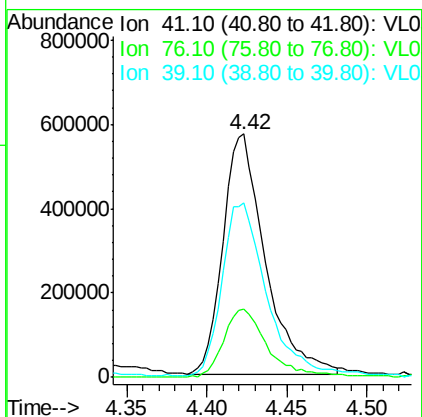
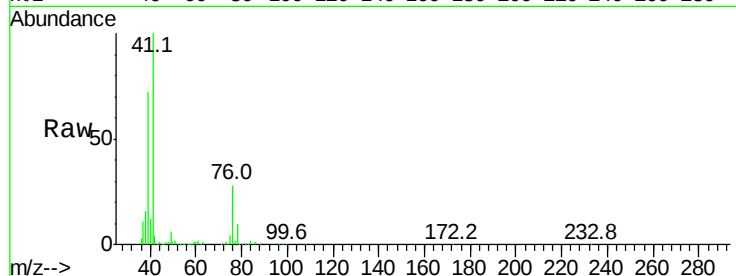
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Jul 2022 16:49

Tgt Ion: 41 Resp: 1027999

Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.4	36.6
39	77.6	63.5	95.3



#22

trans-1,2-Dichloroethene

Concen: 8.78 ppbv

RT: 4.90 min Scan# 656

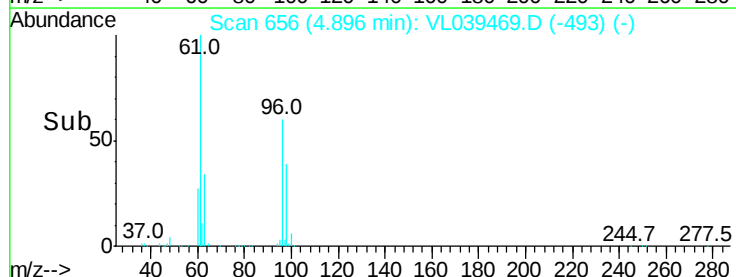
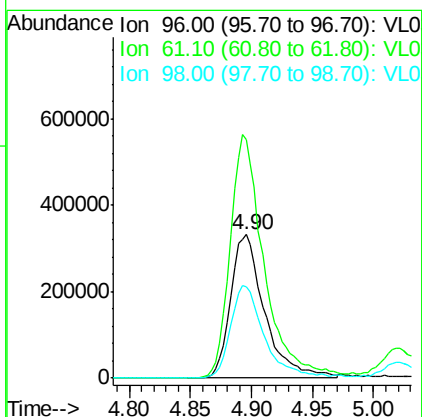
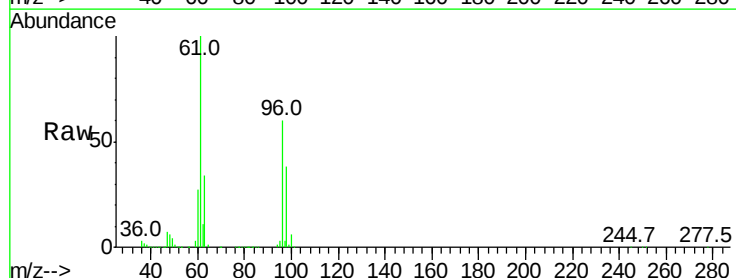
Delta R.T. 0.03 min

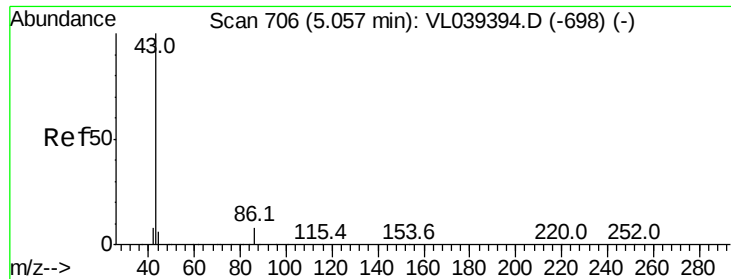
Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

Tgt Ion: 96 Resp: 647909

Ion	Ratio	Lower	Upper
96	100		
61	166.2	130.6	195.8
98	63.7	53.4	80.0





#23

Vinyl Acetate

Concen: 10.88 ppbv

RT: 5.08 Instrument:

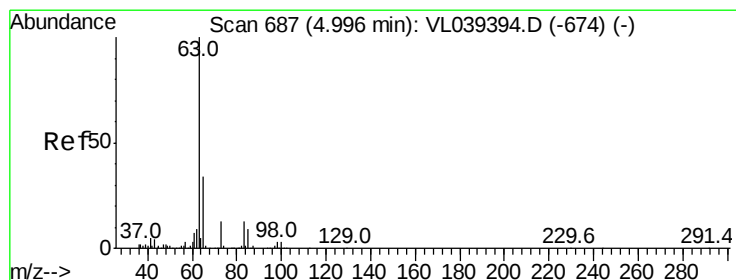
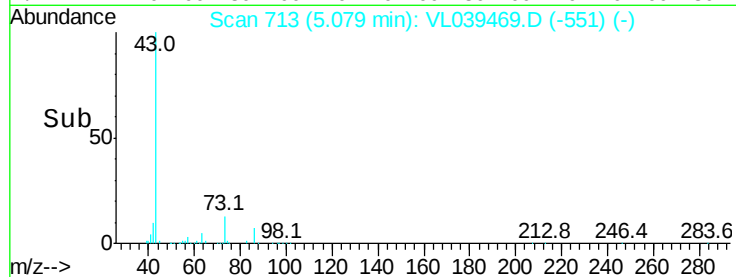
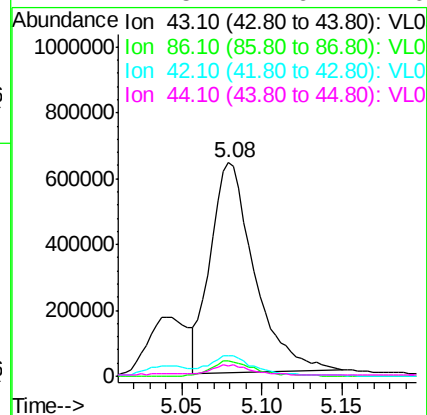
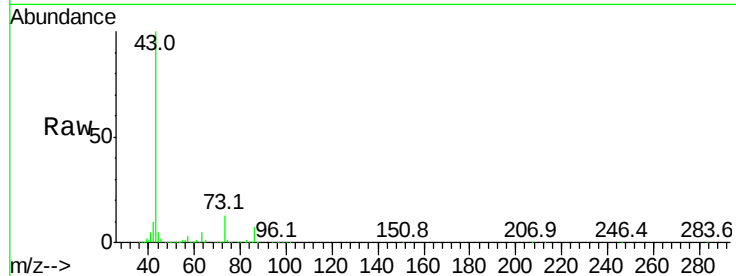
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49 VSTDCCC010

Tgt Ion: 43 Resp: 1209059

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.0	7.6
42	9.6	7.7	11.5
44	4.5	4.6	7.0#



#24

1,1-Dichloroethane

Concen: 10.03 ppbv

RT: 5.02 min Scan# 695

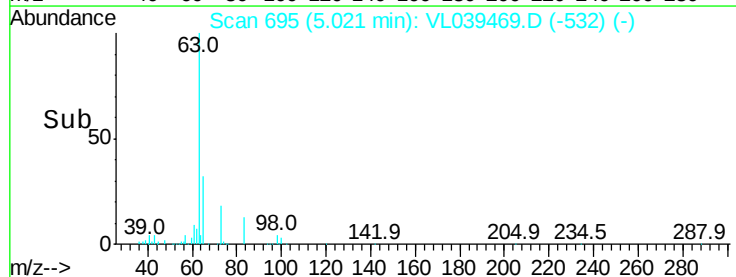
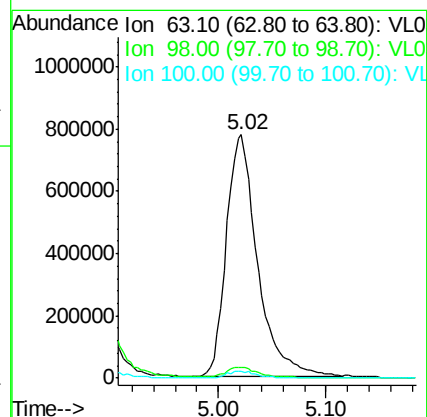
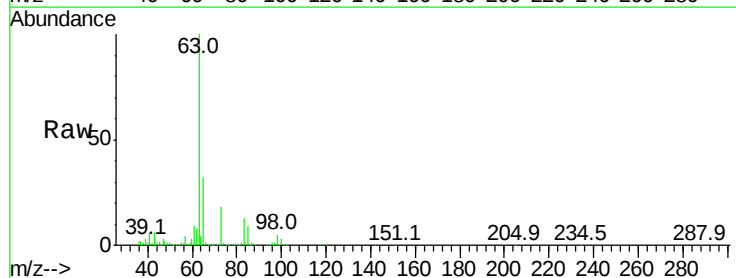
Delta R.T. 0.03 min

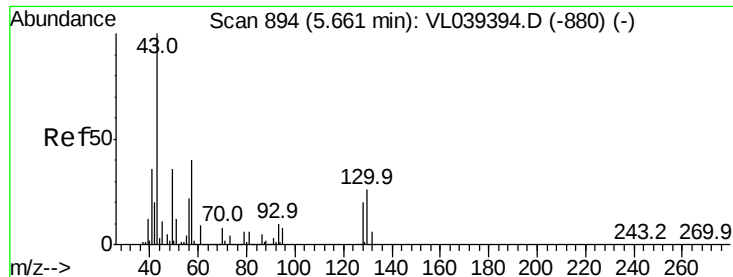
Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

Tgt Ion: 63 Resp: 1573522

Ion	Ratio	Lower	Upper
63	100		
98	4.4	1.8	5.3
100	2.9	1.5	4.4

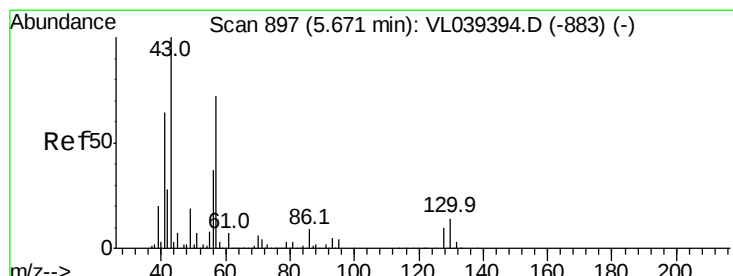
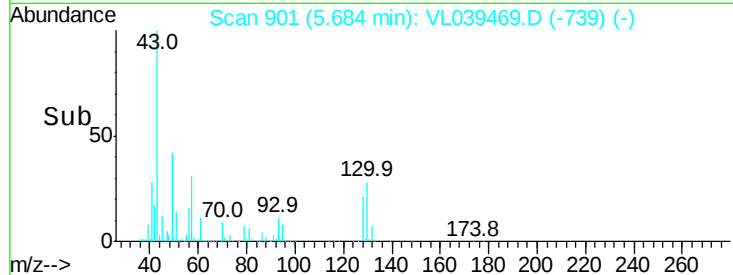
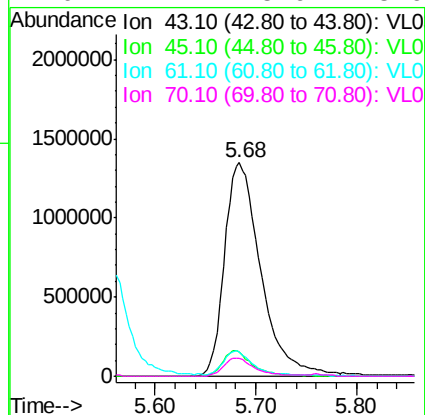
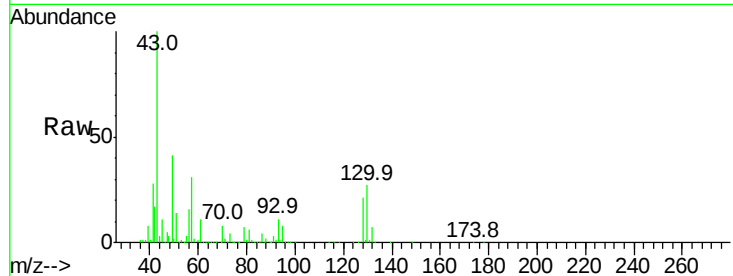




#25
Ethyl Acetate
Concen: 9.88 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Jul 2022 16:49

Tgt Ion: 43 Resp: 3368064

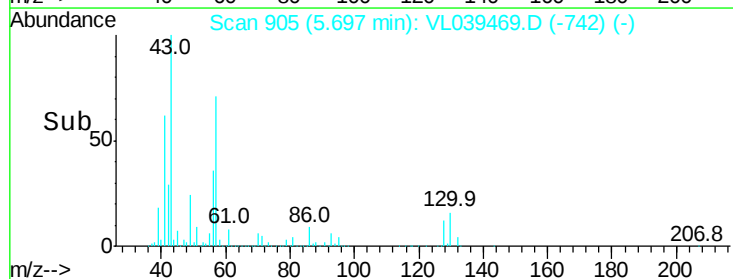
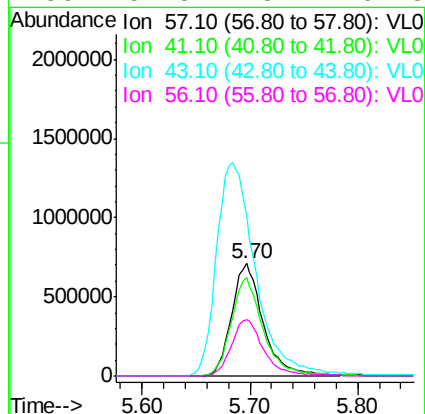
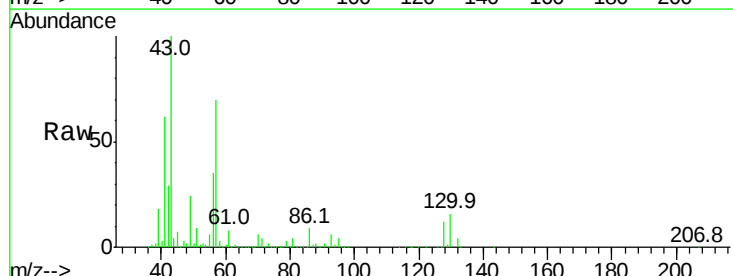
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	10.2	8.3	12.5
70	7.4	5.9	8.9

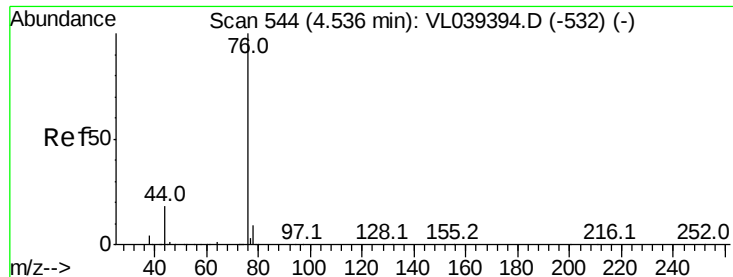


#26
Hexane
Concen: 10.55 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL039469.D
Acq: 13 Jul 2022 16:49

Tgt Ion: 57 Resp: 1449366

Ion	Ratio	Lower	Upper
57	100		
41	90.2	76.9	115.3
43	235.3	191.0	286.6
56	51.8	43.2	64.8





#27

Carbon Disulfide

Concen: 9.24 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49 VSTDCCC010

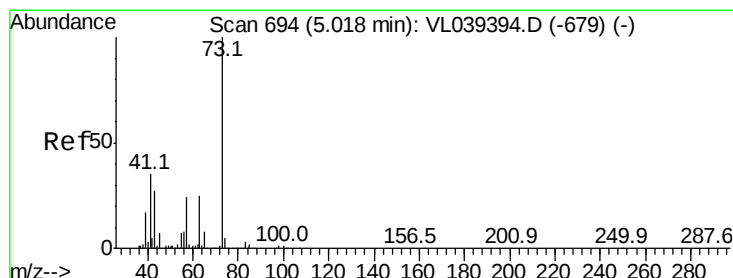
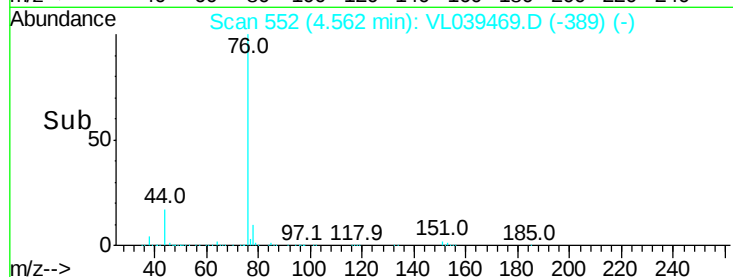
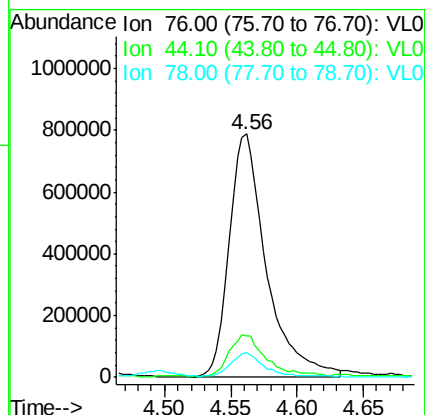
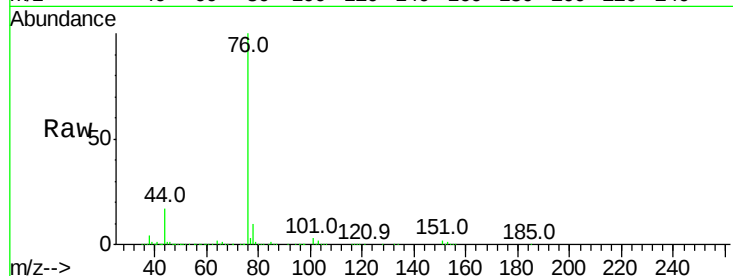
Tgt Ion: 76 Resp: 1532631

Ion Ratio Lower Upper

76 100

44 18.0 14.6 21.8

78 10.0 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 10.76 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.03 min

Lab File: VL039469.D

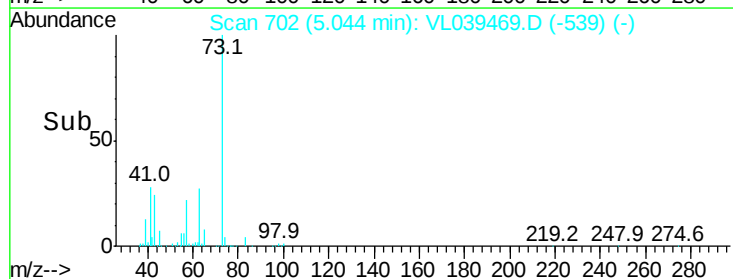
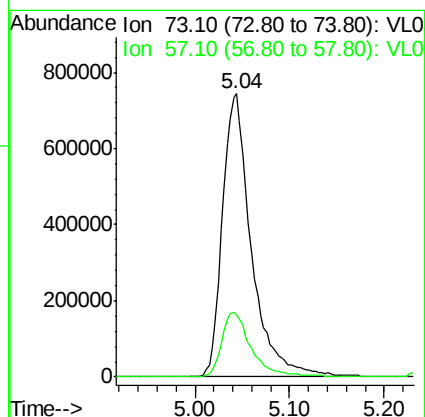
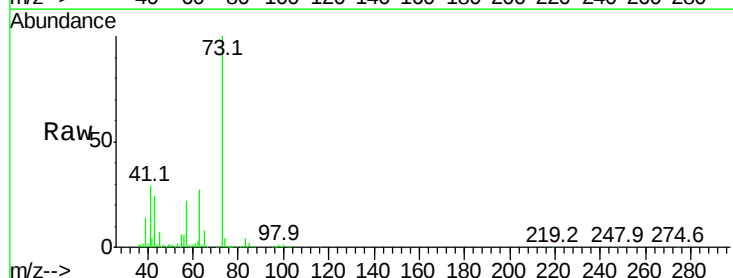
Acq: 13 Jul 2022 16:49

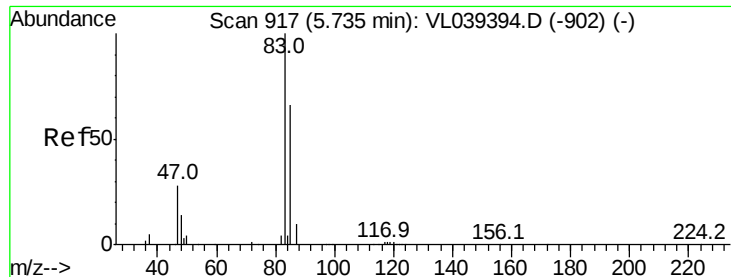
Tgt Ion: 73 Resp: 1580374

Ion Ratio Lower Upper

73 100

57 23.4 19.8 29.8





#29

Chloroform

Concen: 8.74 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: ClientSampleId: VSTDCCC010

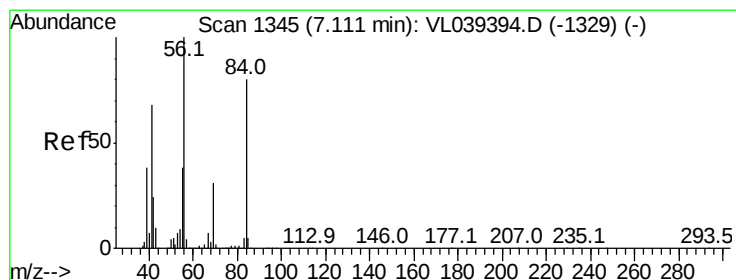
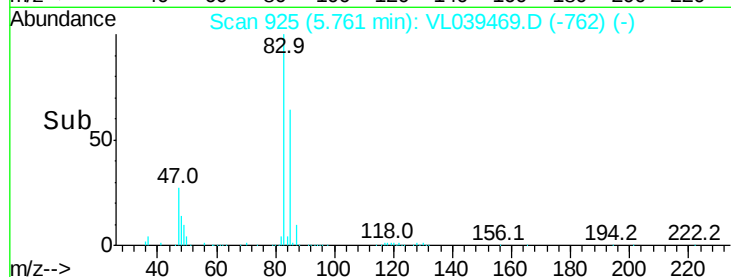
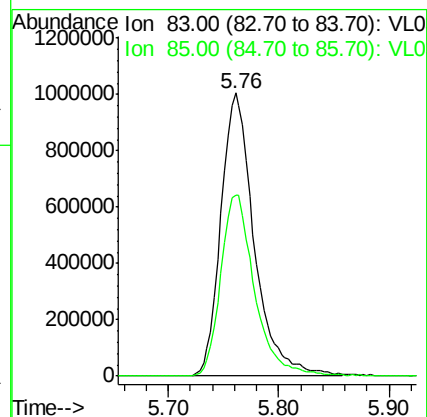
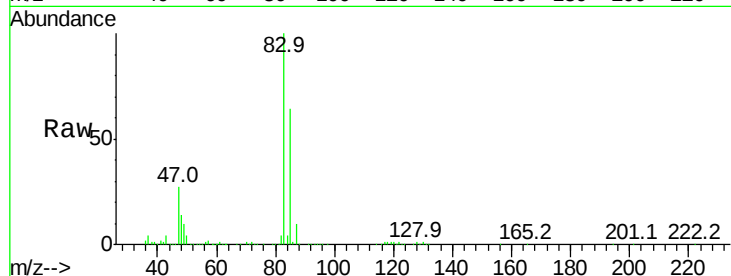
Acq: 13 Jul 2022 16:49

Tgt Ion: 83 Resp: 2088304

Ion Ratio Lower Upper

83 100

85 63.9 52.8 79.2



#30

Cyclohexane

Concen: 9.99 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

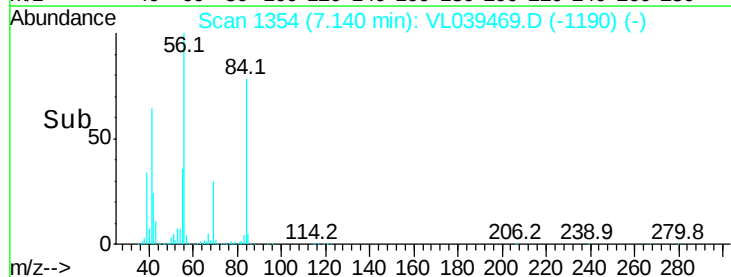
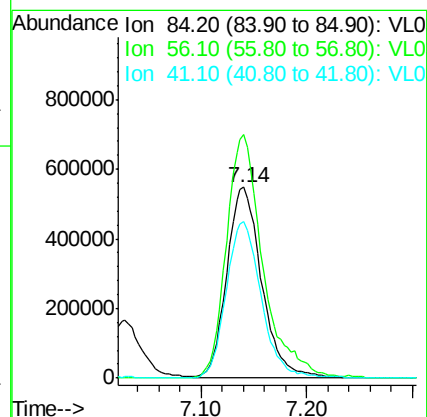
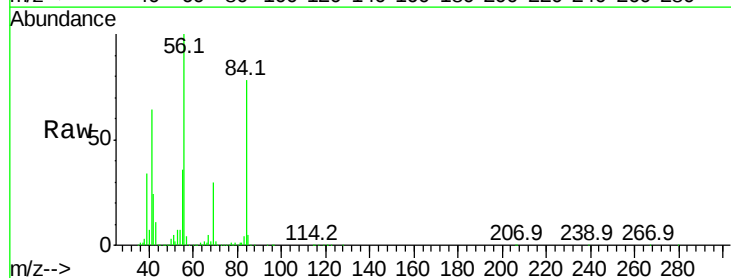
Tgt Ion: 84 Resp: 1249761

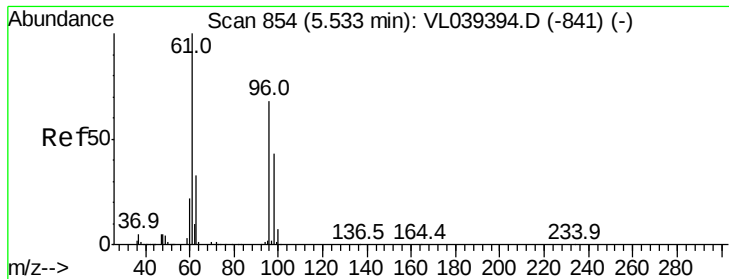
Ion Ratio Lower Upper

84 100

56 135.1 107.7 161.5

41 83.0 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 9.61 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49 VSTDCCC010

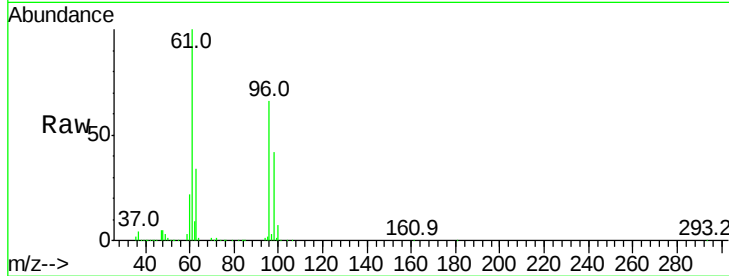
Tgt Ion: 61 Resp: 1401232

Ion Ratio Lower Upper

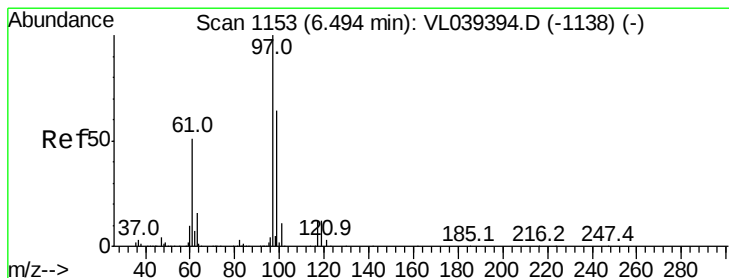
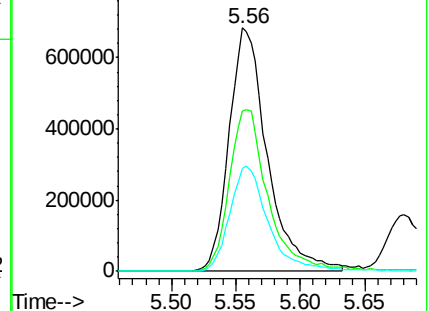
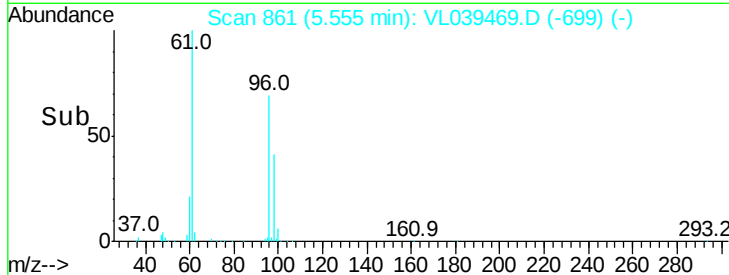
61 100

96 65.7 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: 8.73 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

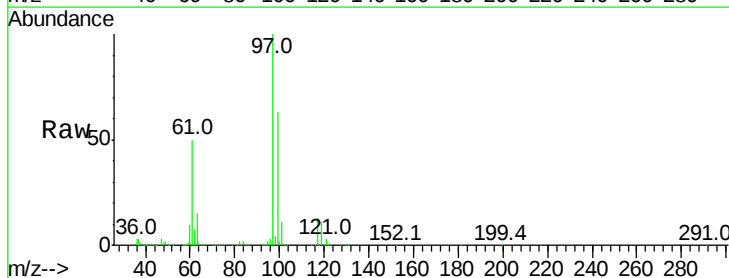
Tgt Ion: 97 Resp: 2058585

Ion Ratio Lower Upper

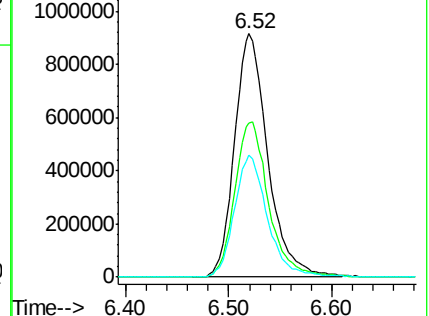
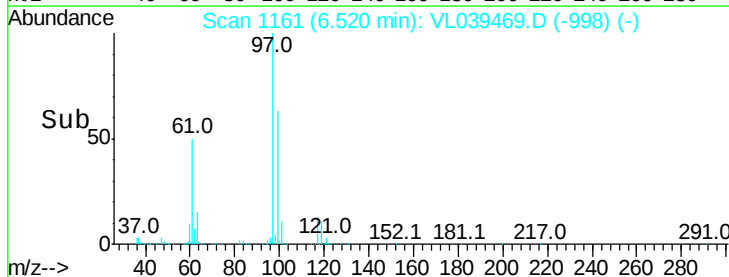
97 100

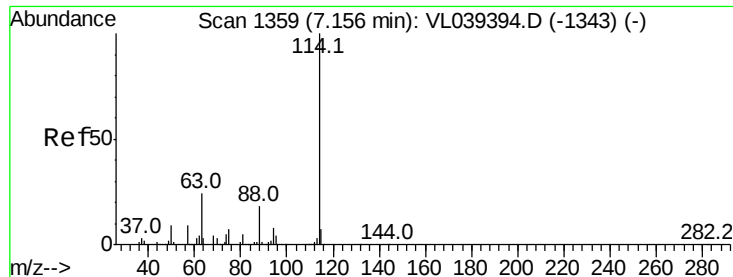
99 64.9 52.3 78.5

61 49.9 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

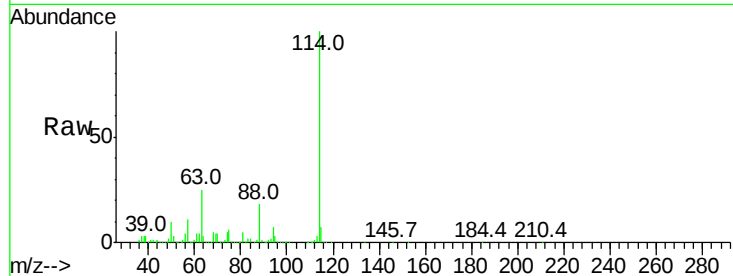




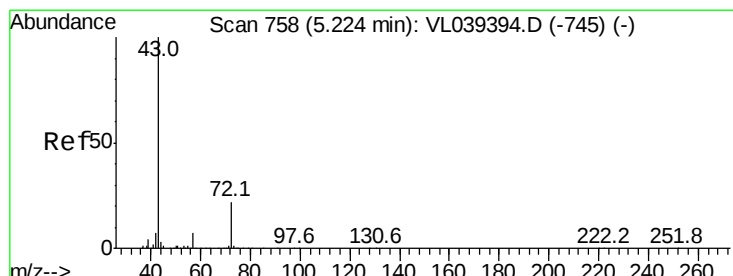
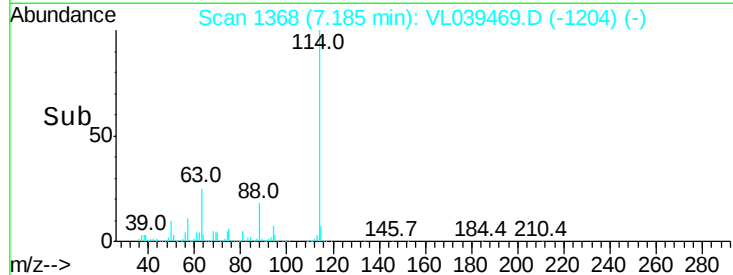
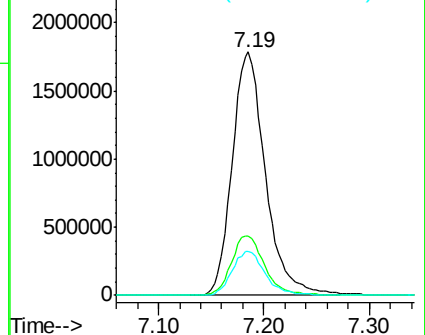
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Jul 2022 16:49

Tgt Ion: 114 Resp: 3896876

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.2	30.4
88	18.3	14.5	21.7



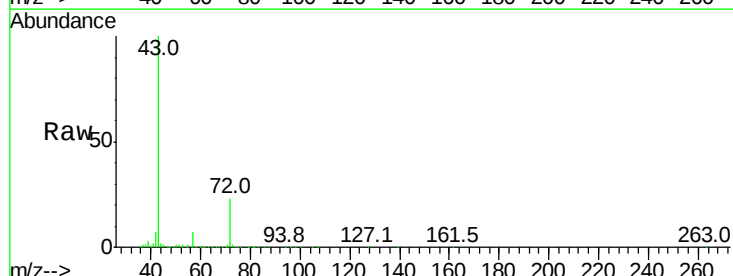
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



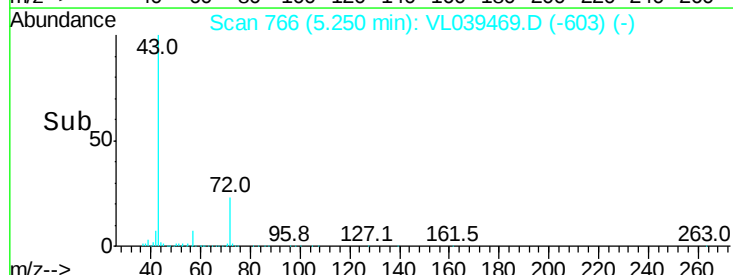
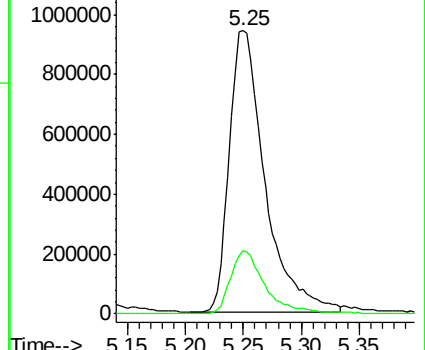
#34
 2-Butanone
 Concen: 10.19 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49

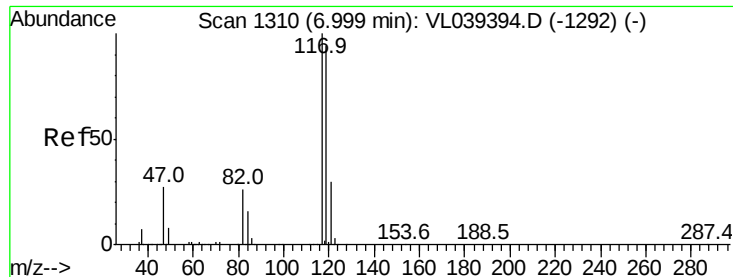
Tgt Ion: 43 Resp: 1999349

Ion	Ratio	Lower	Upper
43	100		
72	22.5	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: 8.75 ppbv

RT: 7.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49

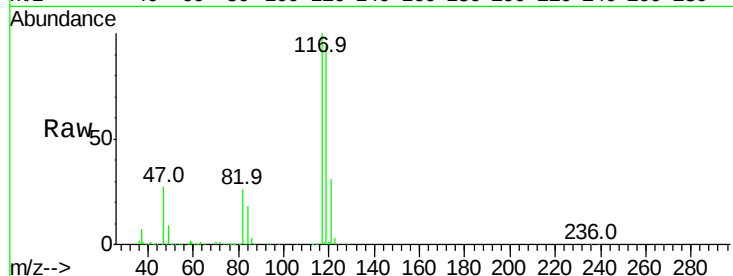
Tgt Ion: 117 Resp: 2105954

Ion Ratio Lower Upper

117 100

119 94.4 75.4 113.2

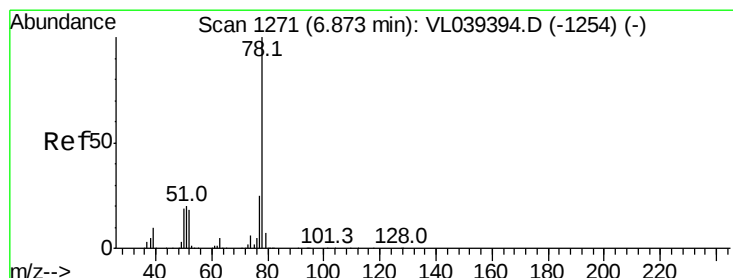
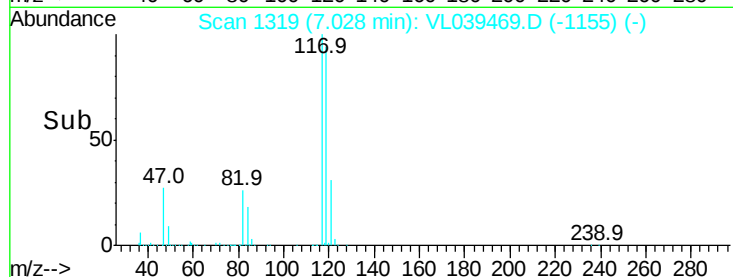
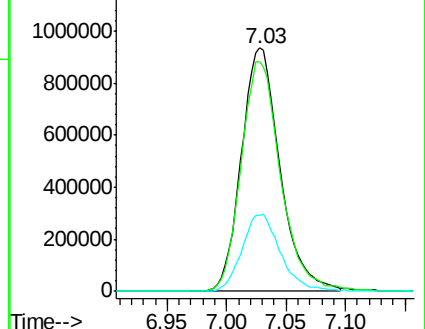
121 31.1 24.2 36.2



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: 9.95 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

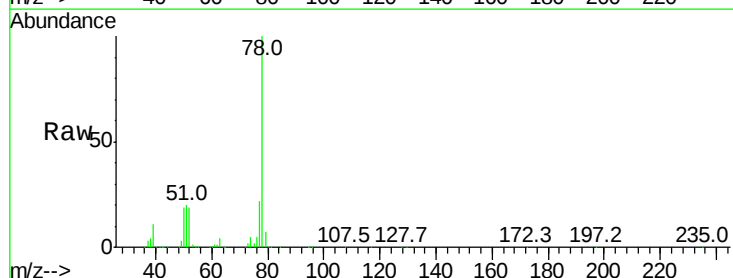
Tgt Ion: 78 Resp: 3001040

Ion Ratio Lower Upper

78 100

77 22.3 20.3 30.5

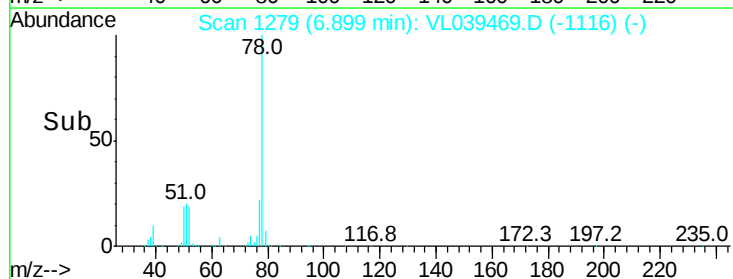
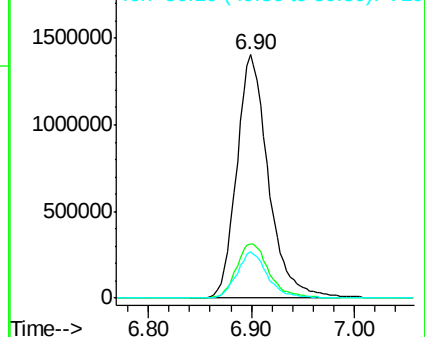
50 18.8 15.5 23.3

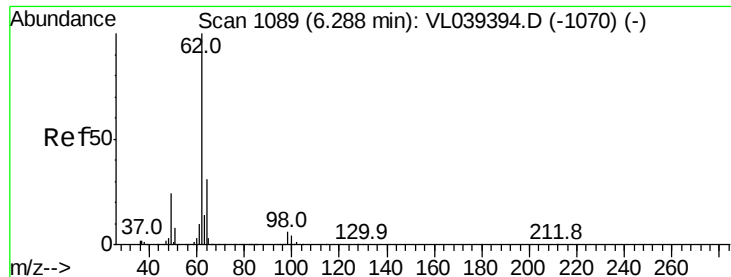


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

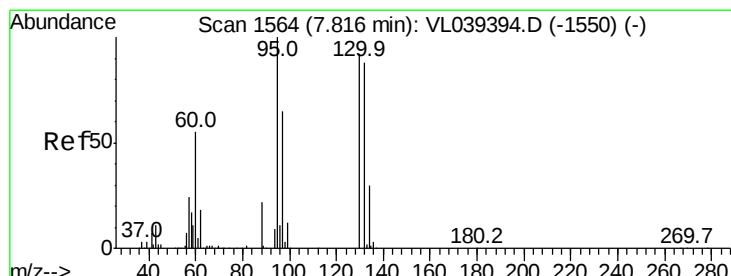
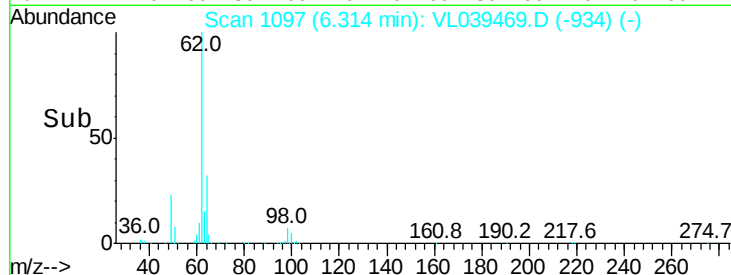
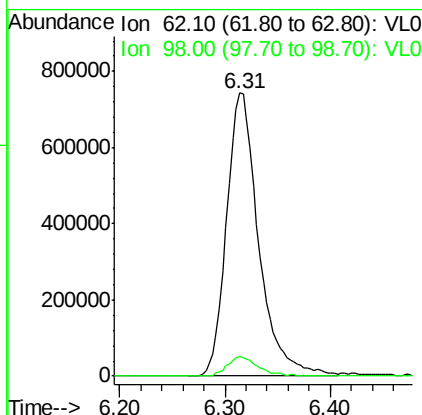
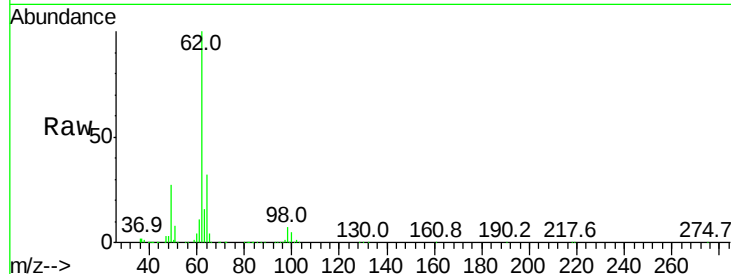
Ion 50.10 (49.80 to 50.80): VL0





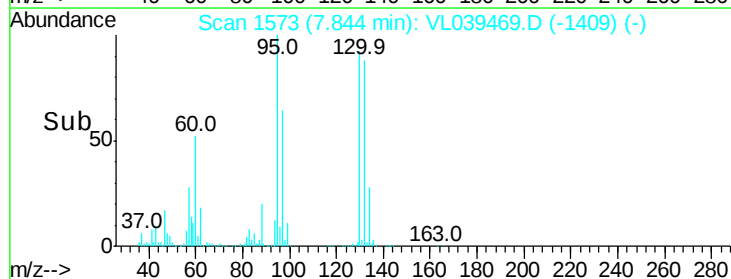
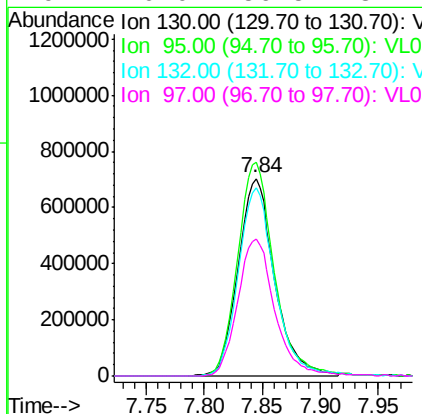
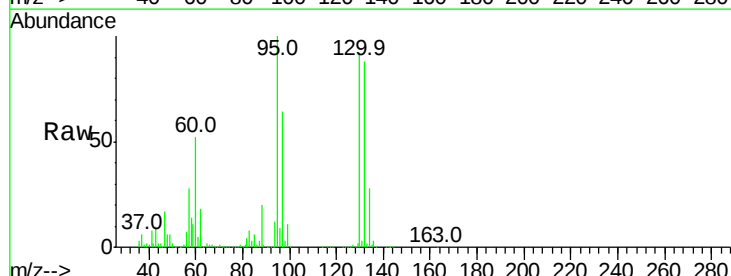
#37
 1,2-Dichloroethane
 Concen: 8.82 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jul 2022 16:49

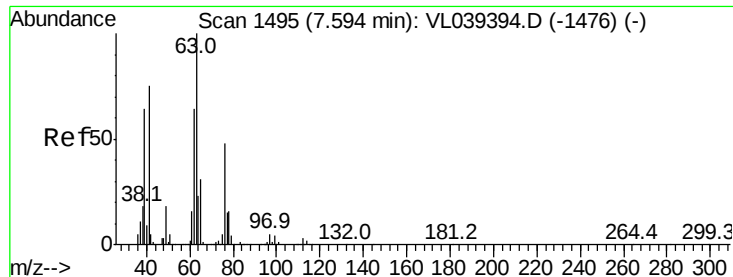
Tgt Ion: 62 Resp: 1569451
 Ion Ratio Lower Upper
 62 100
 98 7.0 5.1 7.7



#38
 Trichloroethene
 Concen: 9.30 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49

Tgt Ion: 130 Resp: 1517257
 Ion Ratio Lower Upper
 130 100
 95 108.6 87.3 130.9
 132 95.9 76.7 115.1
 97 70.0 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.24 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49 VSTDCCC010

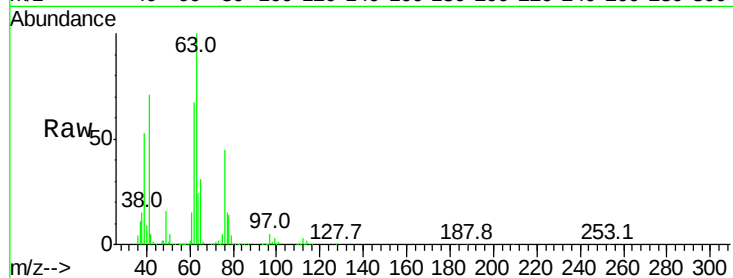
Tgt Ion: 63 Resp: 1154045

Ion Ratio Lower Upper

63 100

41 70.5 59.6 89.4

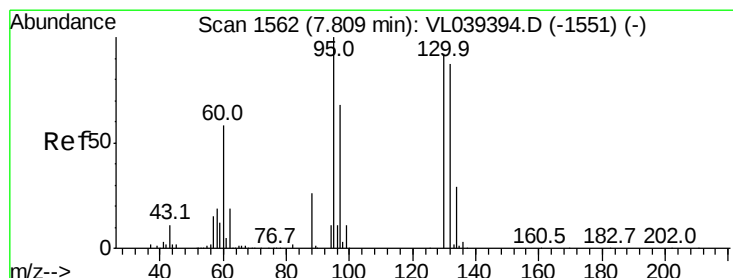
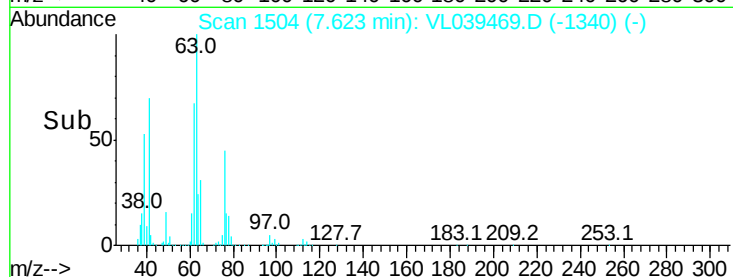
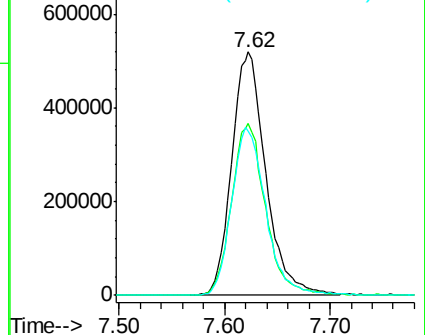
62 67.4 51.4 77.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.85 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

Tgt Ion: 88 Resp: 397133

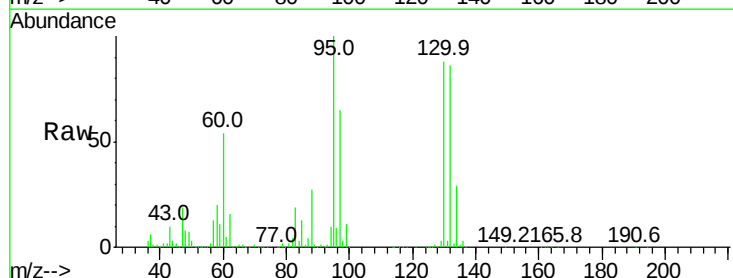
Ion Ratio Lower Upper

88 100

58 136.3 100.2 150.4

43 0.0 205.8 308.6#

57 0.0 879.1 1318.7#

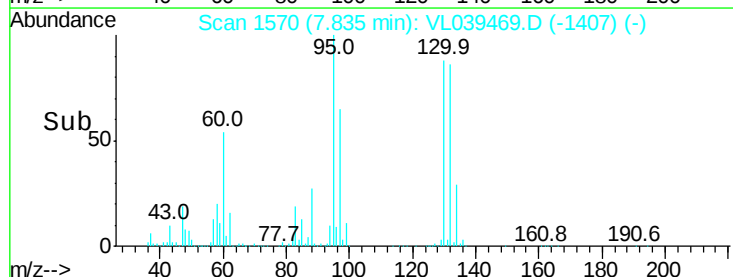
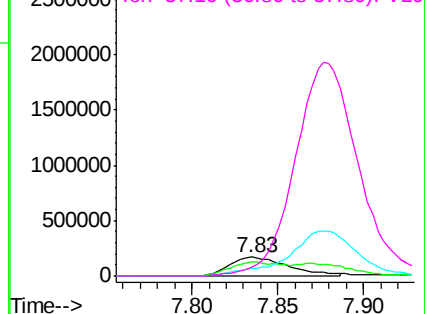


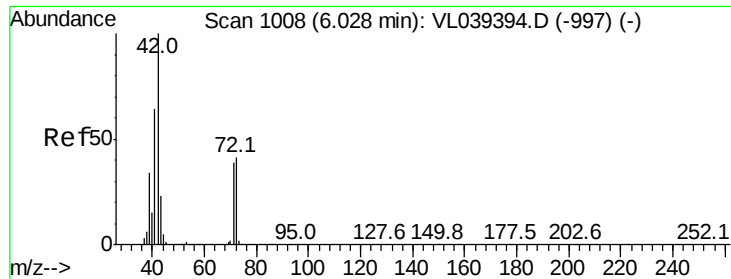
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.69 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49 VSTDCCC010

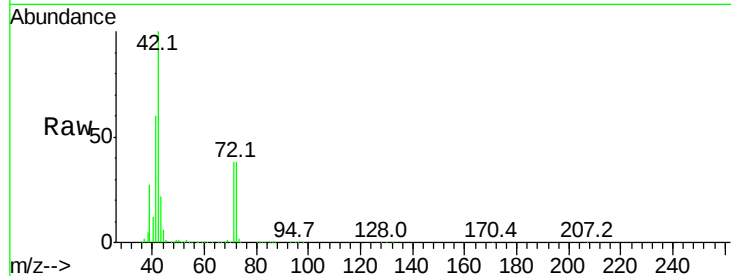
Tgt Ion: 42 Resp: 1214662

Ion Ratio Lower Upper

42 100

72 39.8 31.8 47.8

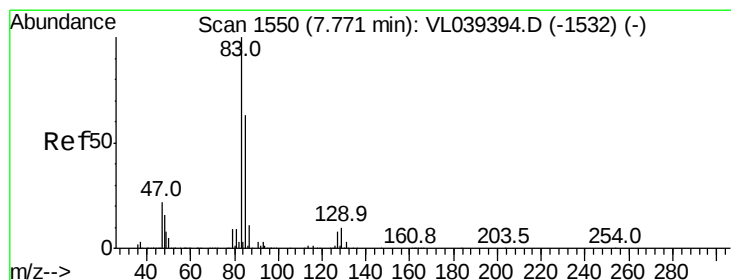
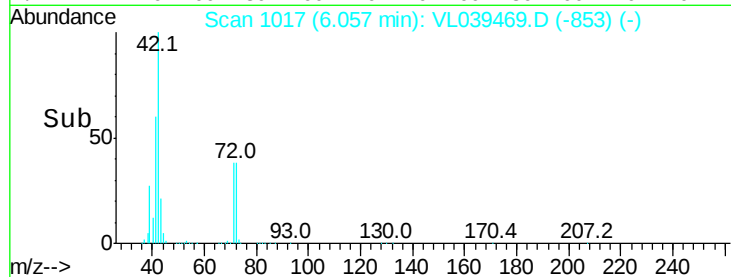
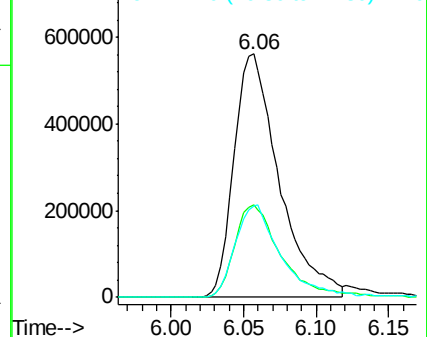
71 39.1 31.8 47.8



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: 9.58 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

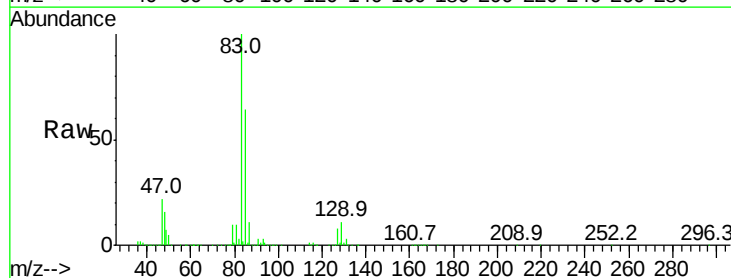
Tgt Ion: 83 Resp: 2299049

Ion Ratio Lower Upper

83 100

85 63.8 50.7 76.1

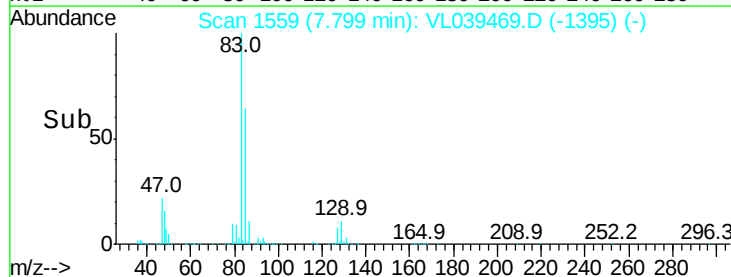
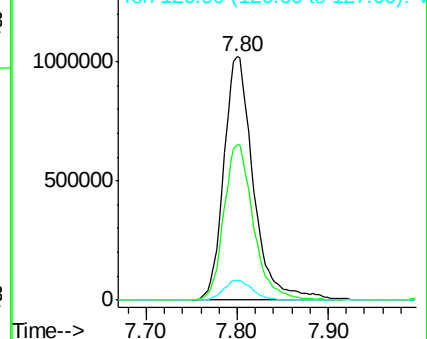
127 8.3 6.6 9.8

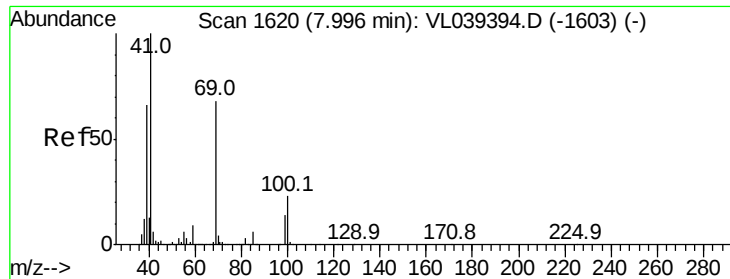


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

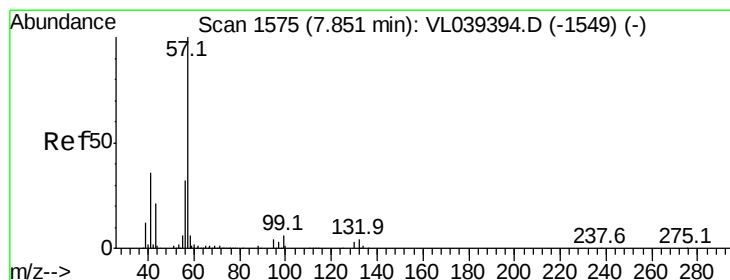
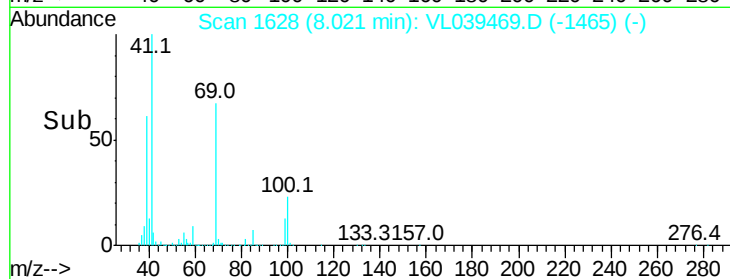
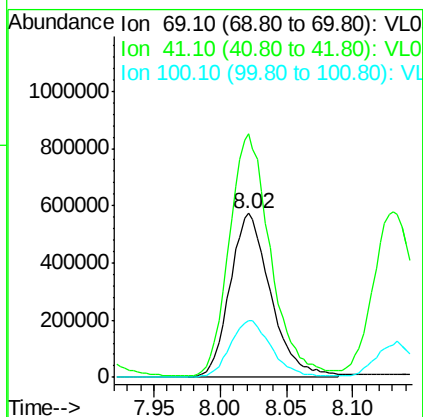
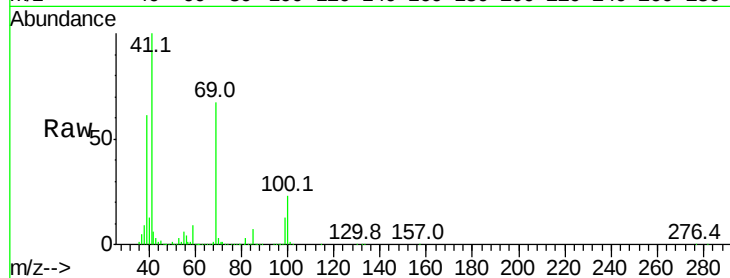
Ion 126.90 (126.60 to 127.60): V





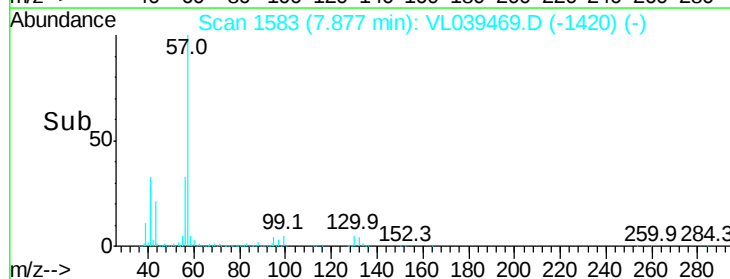
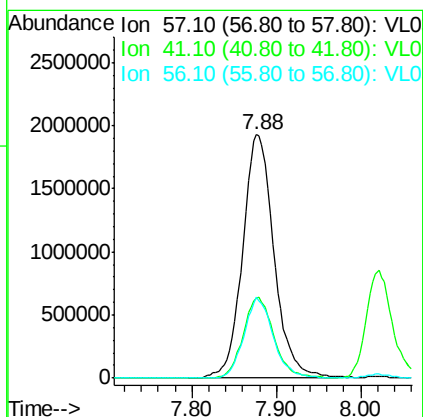
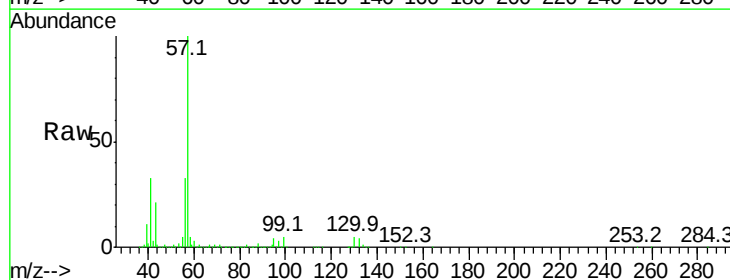
#43
Methyl Methacrylate
Concen: 10.64 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 13 Jul 2022 16:49

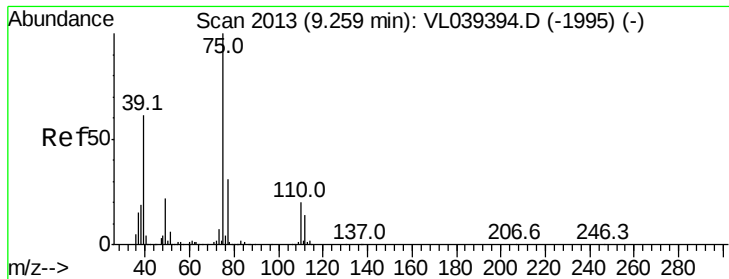
Tgt Ion: 69 Resp: 1220436
Ion Ratio Lower Upper
69 100
41 151.2 120.8 181.2
100 35.4 27.8 41.6



#44
2,2,4-Trimethylpentane
Concen: 9.77 ppbv
RT: 7.88 min Scan# 1583
Delta R.T.: 0.03 min
Lab File: VL039469.D
Acq: 13 Jul 2022 16:49

Tgt Ion: 57 Resp: 4994129
Ion Ratio Lower Upper
57 100
41 32.4 27.4 41.2
56 31.1 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 11.85 ppbv

RT: 9.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

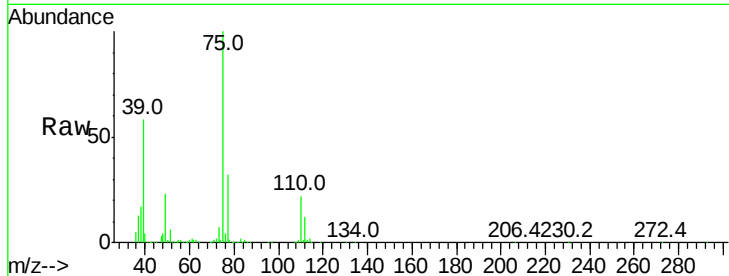
Acq: 13 Jul 2022 16:49 VSTDCCC010

Tgt Ion: 75 Resp: 1209819

Ion Ratio Lower Upper

75 100

77 31.6 24.6 36.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.29

600000

500000

400000

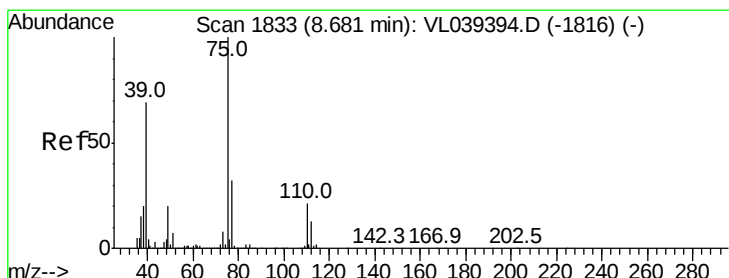
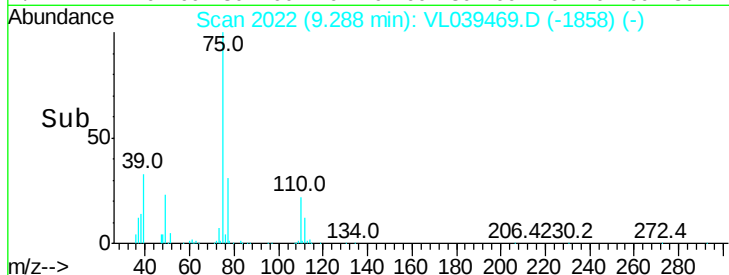
300000

200000

100000

0

Time--> 9.20 9.25 9.30 9.35



#46

cis-1,3-Dichloropropene

Concen: 11.20 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

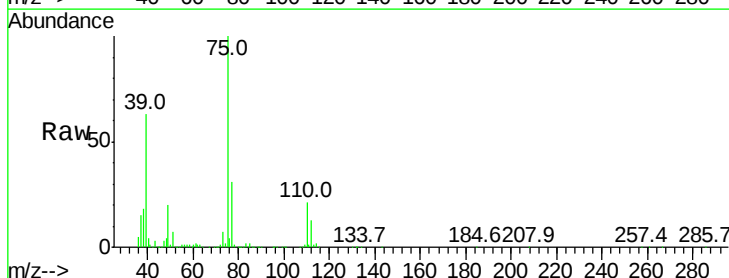
Tgt Ion: 75 Resp: 1574501

Ion Ratio Lower Upper

75 100

39 63.0 55.0 82.4

77 31.1 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

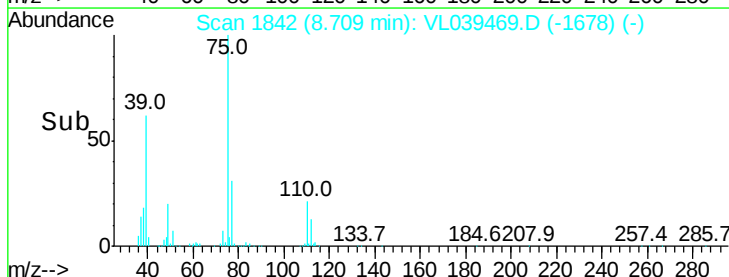
600000

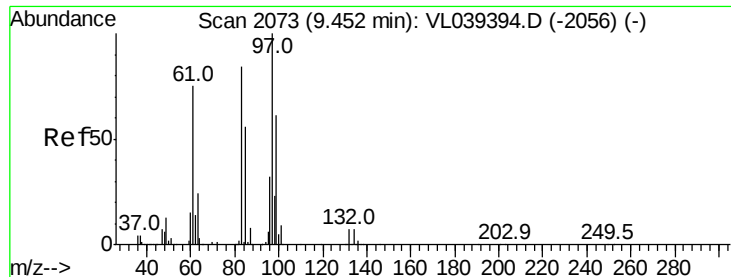
400000

200000

0

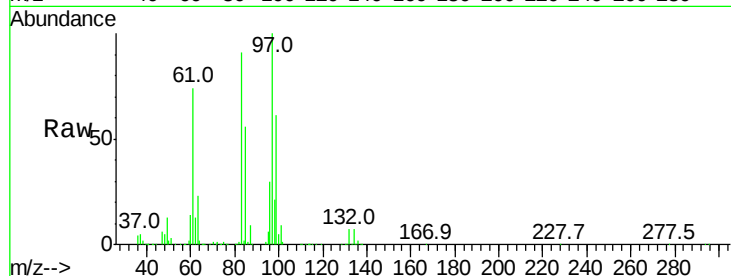
Time--> 8.65 8.70 8.75 8.80



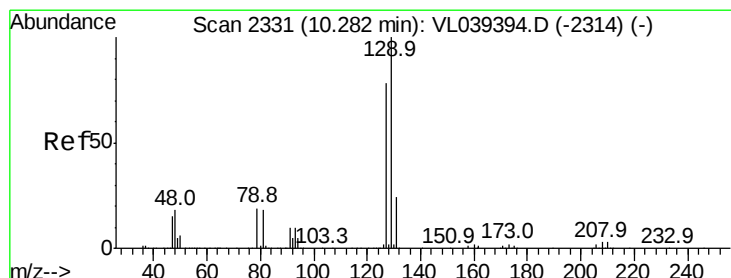
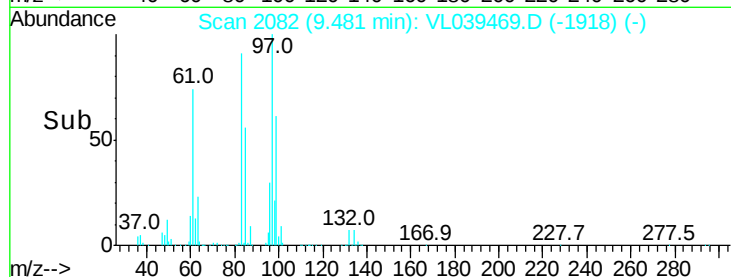
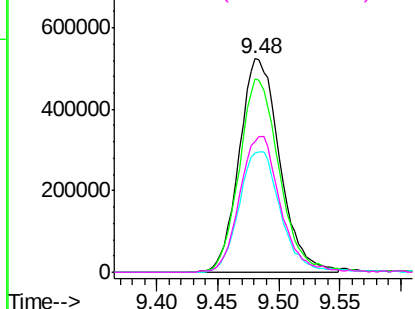


#47
 1,1,2-Trichloroethane
 Concen: 9.53 ppbv
 RT: 9.48
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jul 2022 16:49

Tgt Ion:	97	Resp:	1204477
Ion	Ratio	Lower	Upper
97	100		
83	90.5	67.4	101.0
85	55.8	45.1	67.7
99	61.0	48.6	73.0

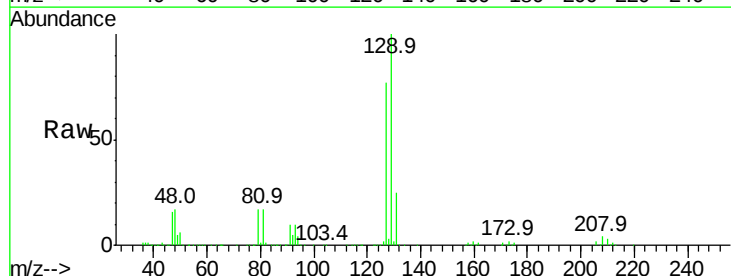


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

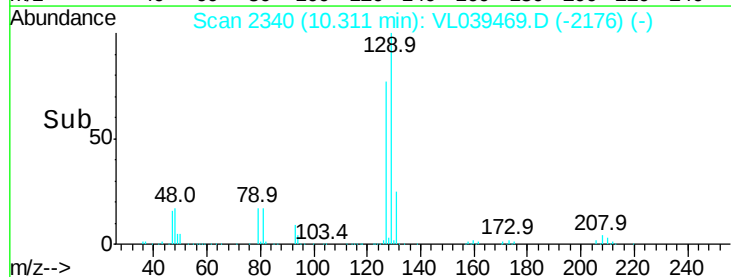
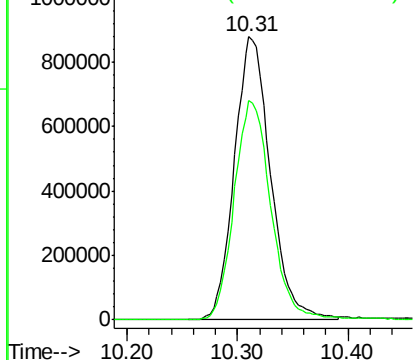


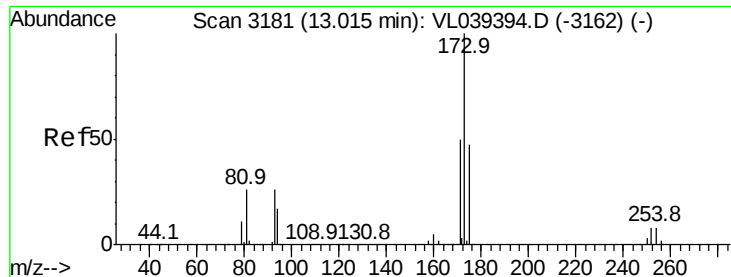
#48
 Dibromochloromethane
 Concen: 9.95 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. 0.03 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49

Tgt Ion:	129	Resp:	1998755
Ion	Ratio	Lower	Upper
129	100		
127	79.5	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: 10.56 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Jul 2022 16:49

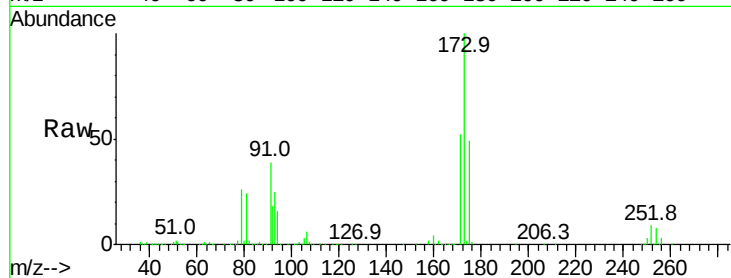
Tgt Ion: 173 Resp: 1711914

Ion Ratio Lower Upper

173 100

175 50.2 40.3 60.5

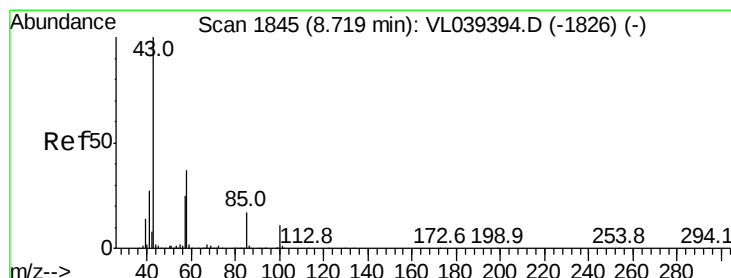
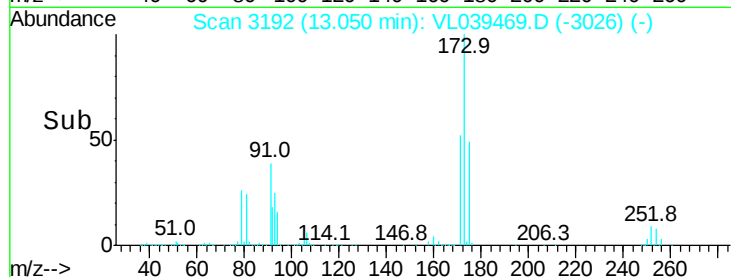
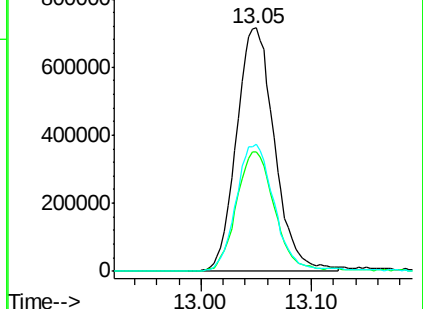
171 53.3 42.9 64.3



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: 10.70 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.03 min

Lab File: VL039469.D

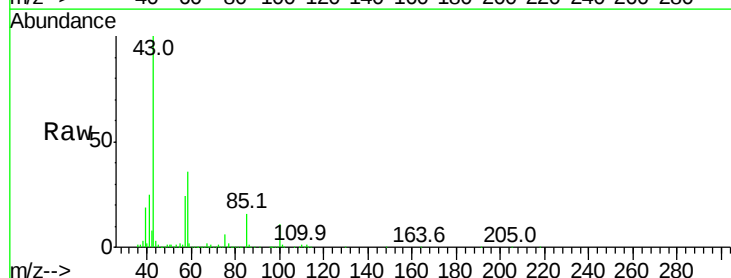
Acq: 13 Jul 2022 16:49

Tgt Ion: 43 Resp: 3172596

Ion Ratio Lower Upper

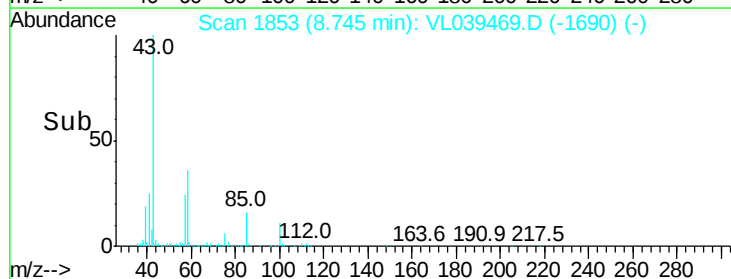
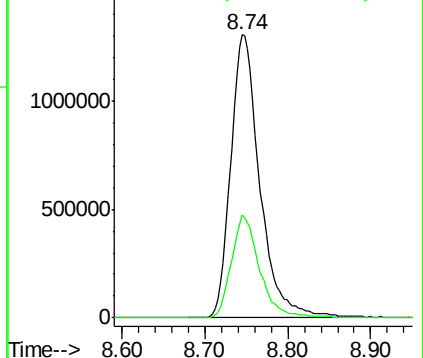
43 100

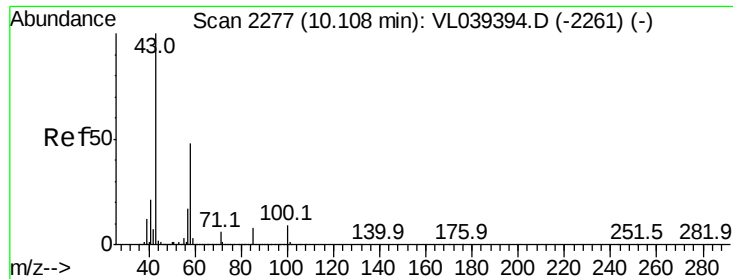
58 35.6 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

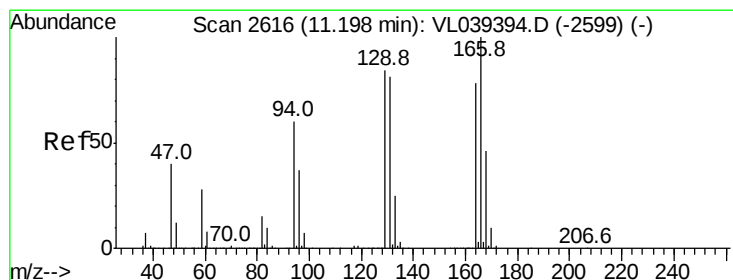
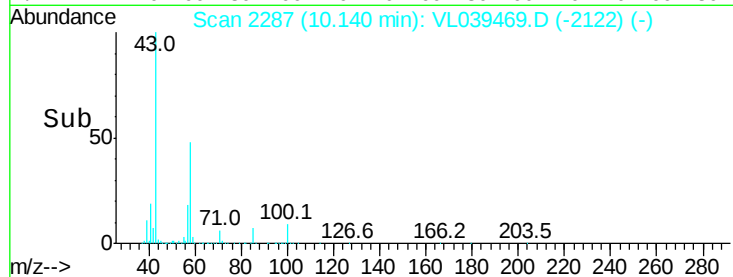
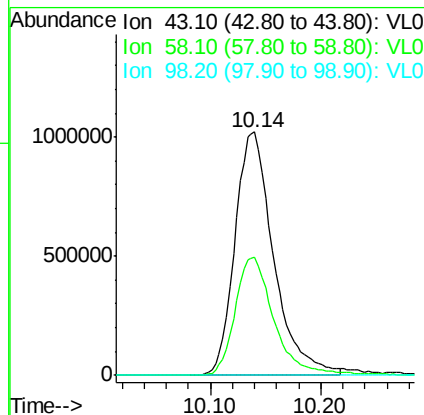
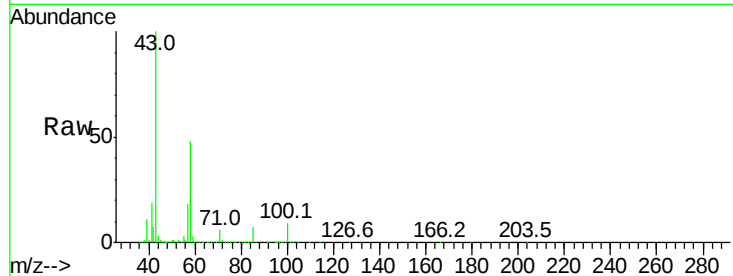
Ion 58.10 (57.80 to 58.80): VL0





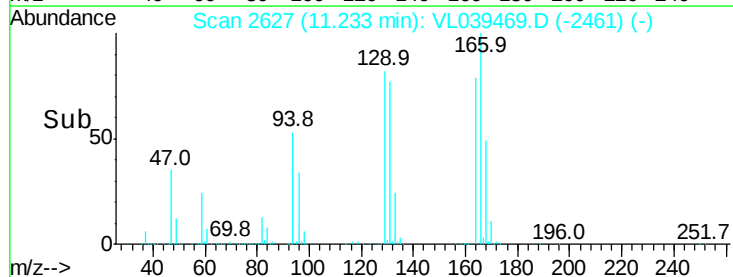
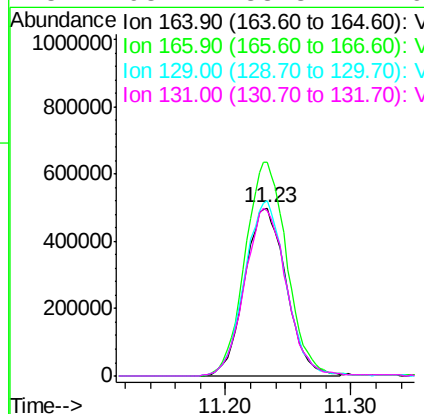
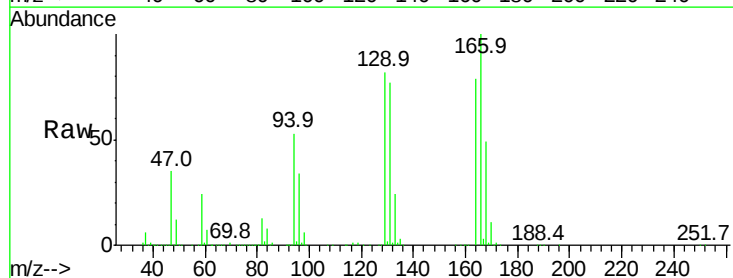
#51
 2-Hexanone
 Concen: 11.09 ppbv
 RT: 10.14 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Jul 2022 16:49
 Tgt Ion: 43 Resp: 2488636

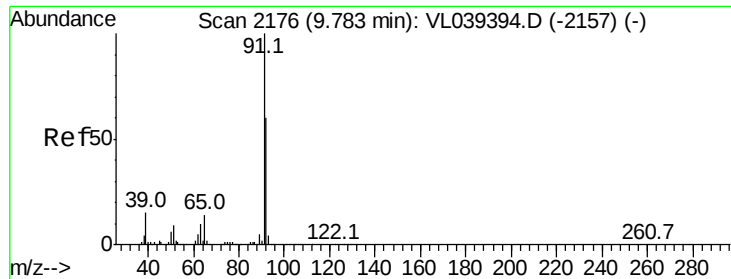
Ion	Ratio	Lower	Upper
43	100		
58	49.1	38.4	57.6
98	0.2	0.3	0.5



#52
 Tetrachloroethene
 Concen: 9.46 ppbv
 RT: 11.23 min Scan# 2627
 Delta R.T. 0.04 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49
 Tgt Ion: 164 Resp: 1148664

Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.2	153.2
129	104.5	85.8	128.8
131	98.2	83.3	124.9





#53

Toluene

Concen: 10.19 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

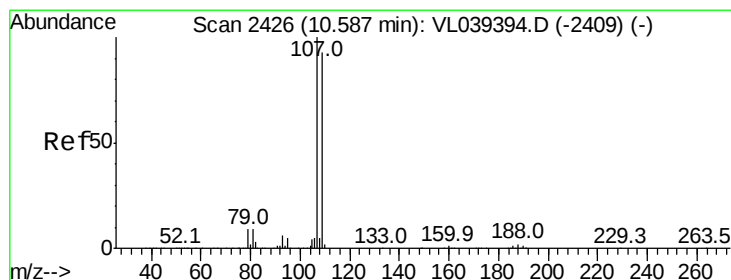
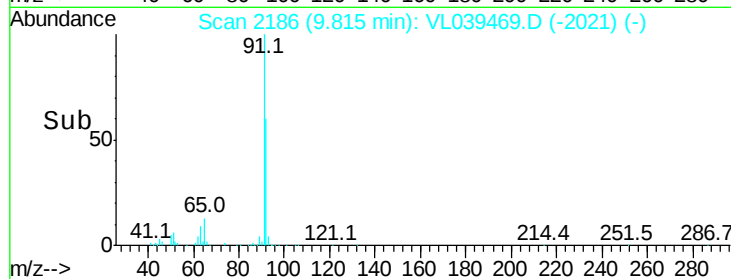
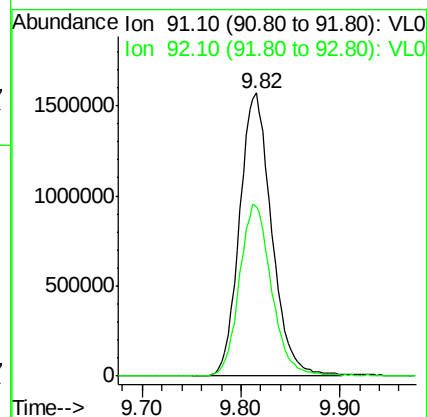
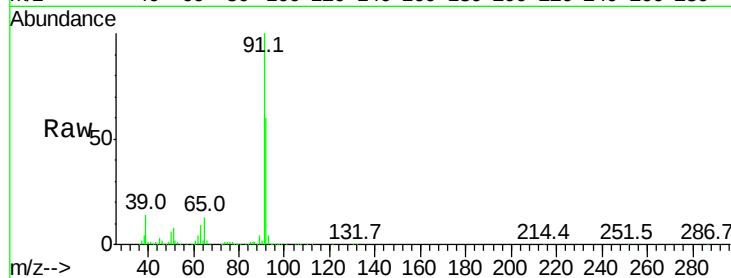
Acq: 13 Jul 2022 16:49 VSTDCCC010

Tgt Ion: 91 Resp: 3545250

Ion Ratio Lower Upper

91 100

92 60.8 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.03 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.03 min

Lab File: VL039469.D

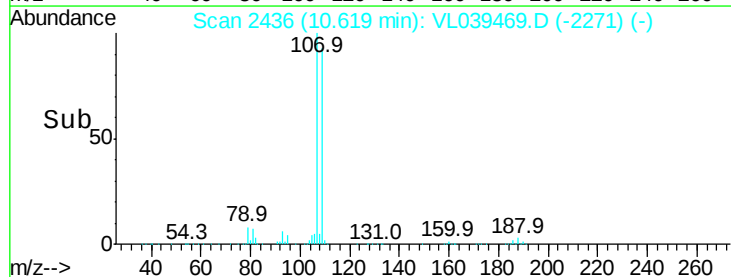
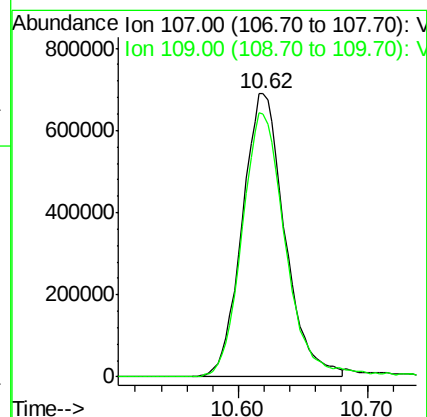
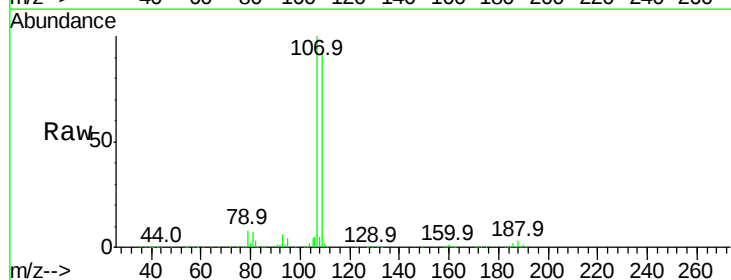
Acq: 13 Jul 2022 16:49

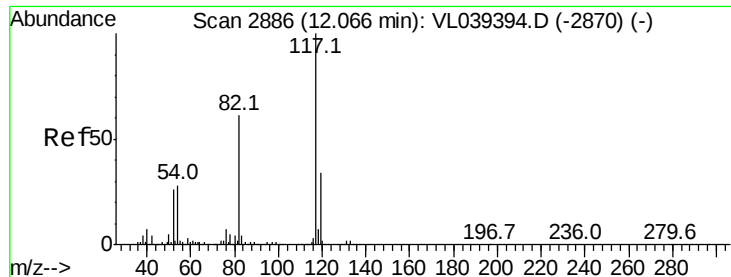
Tgt Ion: 107 Resp: 1577176

Ion Ratio Lower Upper

107 100

109 92.8 74.8 112.2





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49

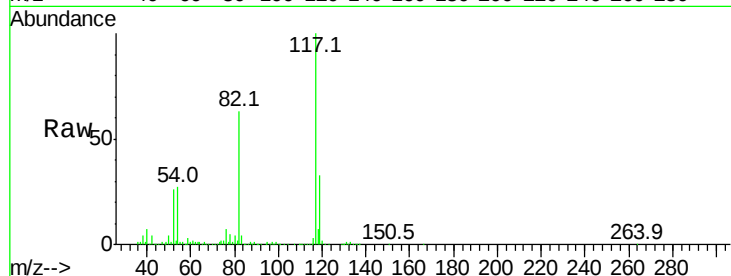
Tgt Ion:117 Resp: 4490755

Ion Ratio Lower Upper

117 100

82 53.1 50.8 76.2

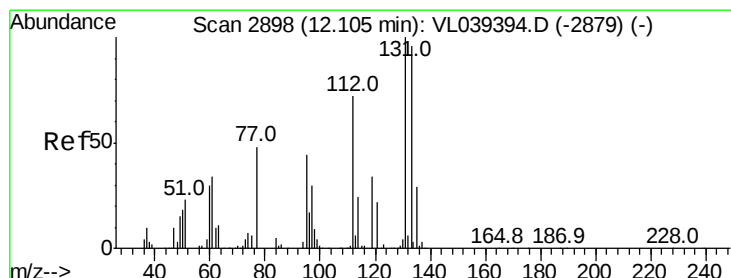
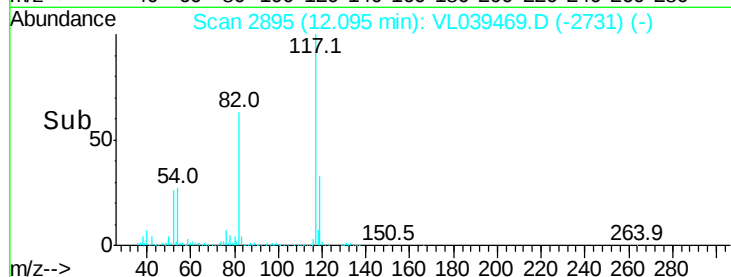
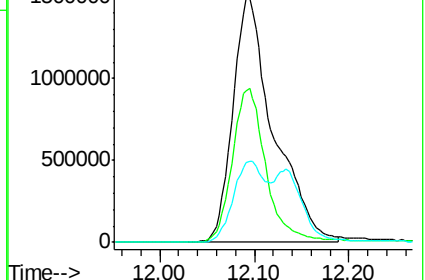
119 25.0 24.1 36.1



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.38 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

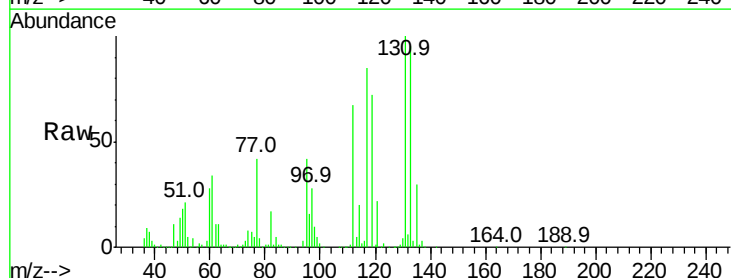
Tgt Ion:131 Resp: 1463639

Ion Ratio Lower Upper

131 100

133 96.1 76.8 115.2

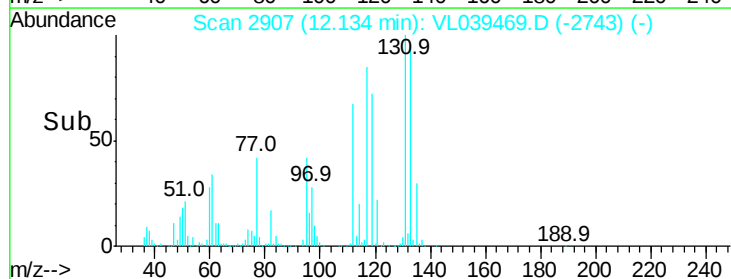
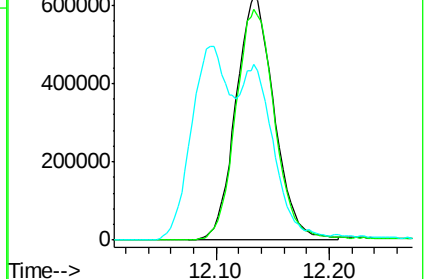
119 70.7 46.2 69.4#

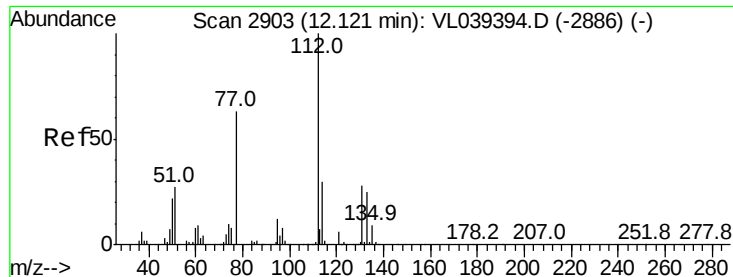


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.50 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49

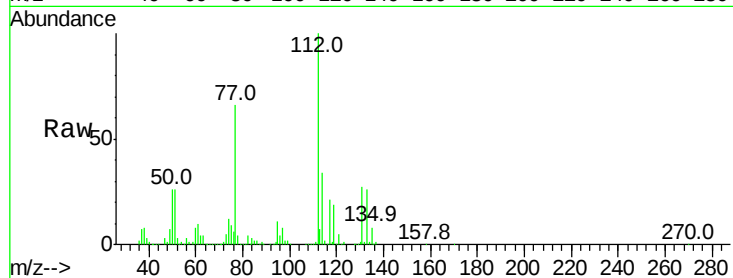
Tgt Ion: 112 Resp: 2612326

Ion Ratio Lower Upper

112 100

77 65.0 51.0 76.4

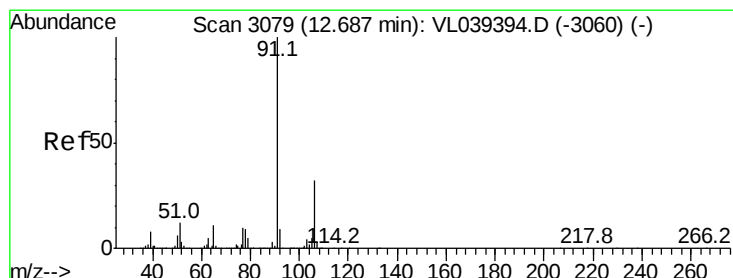
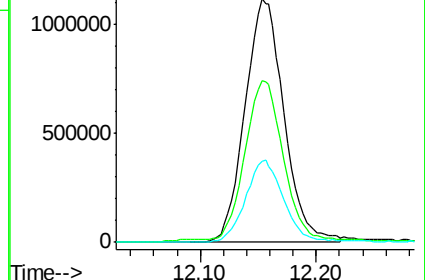
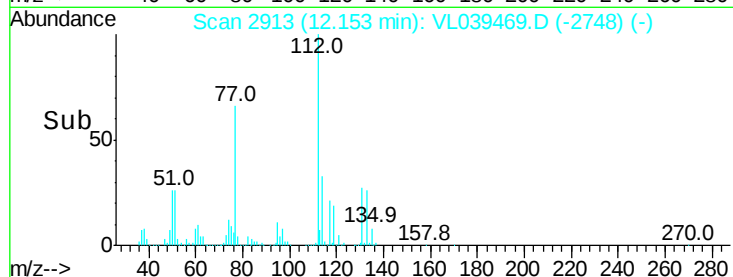
114 33.5 27.5 33.6



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: 7.99 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.03 min

Lab File: VL039469.D

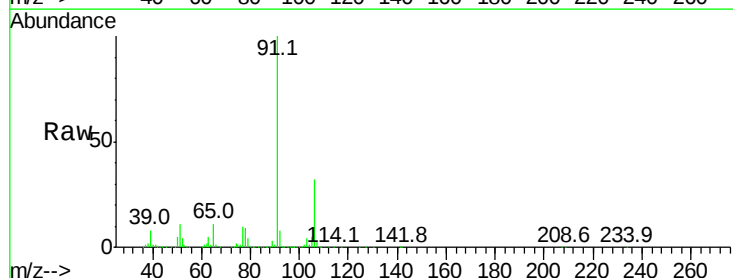
Acq: 13 Jul 2022 16:49

Tgt Ion: 91 Resp: 4630922

Ion Ratio Lower Upper

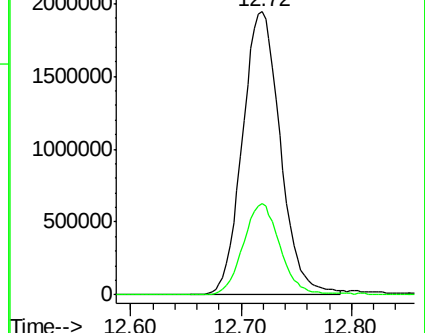
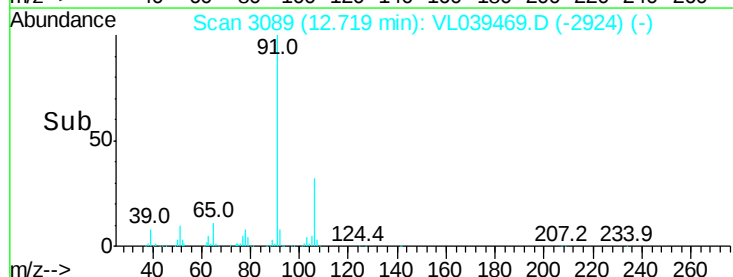
91 100

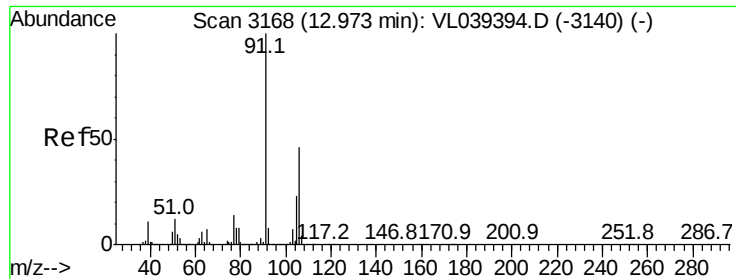
106 32.1 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

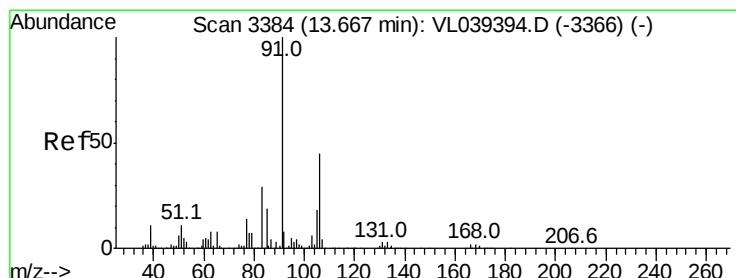
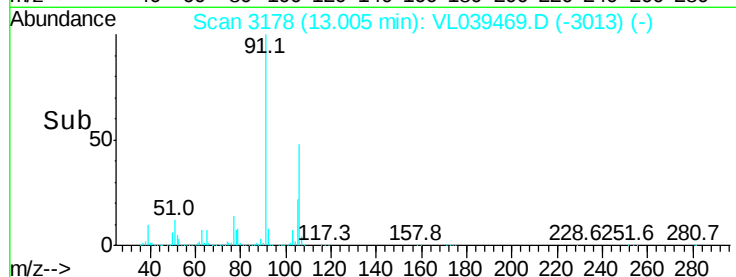
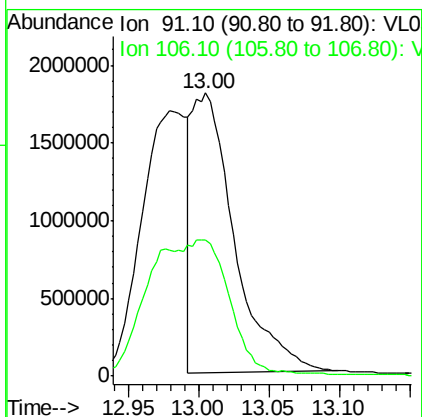
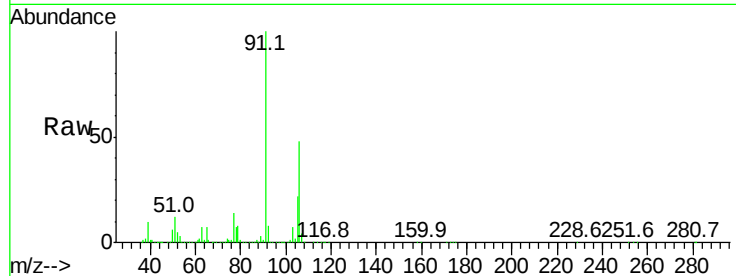
Ion 106.10 (105.80 to 106.80): V





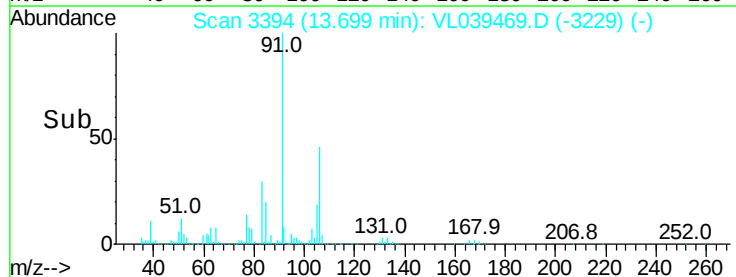
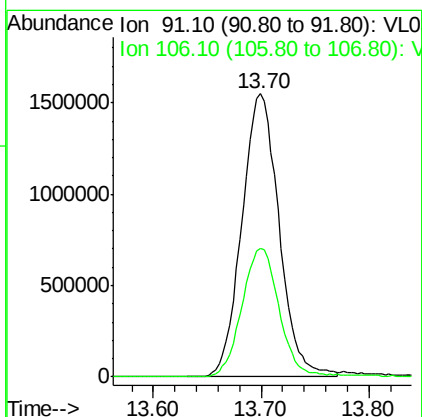
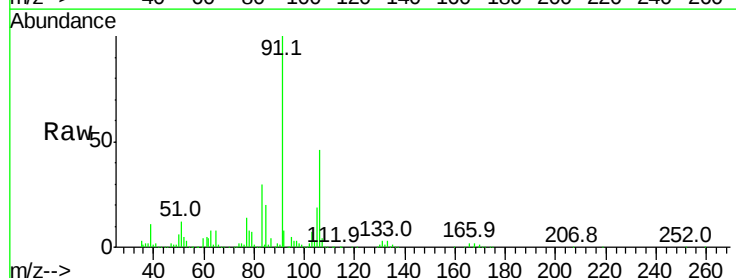
#59
m/p-Xylene
Concen: 7.36 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Jul 2022 16:49

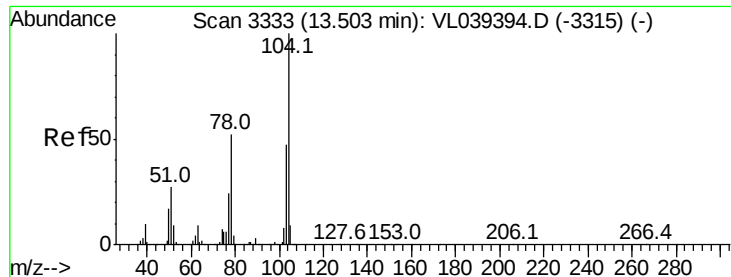
Tgt Ion: 91 Resp: 3761861
Ion Ratio Lower Upper
91 100
106 95.3 35.4 53.2#



#60
o-Xylene
Concen: 7.67 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL039469.D
Acq: 13 Jul 2022 16:49

Tgt Ion: 91 Resp: 3711027
Ion Ratio Lower Upper
91 100
106 46.4 22.4 67.3





#61

Styrene

Concen: 8.80 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49

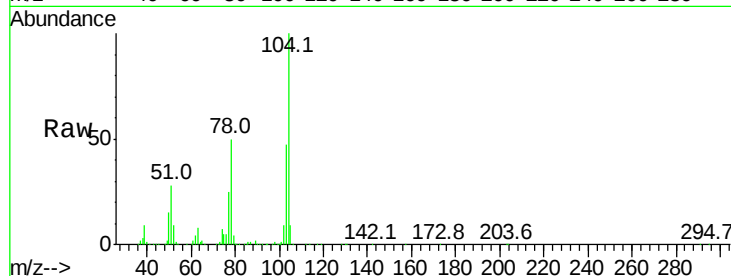
Tgt Ion:104 Resp: 2308327

Ion Ratio Lower Upper

104 100

78 50.7 41.2 61.8

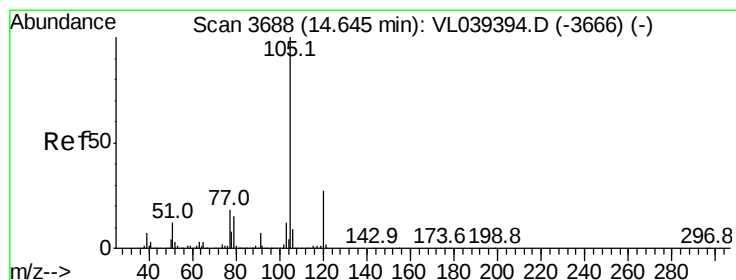
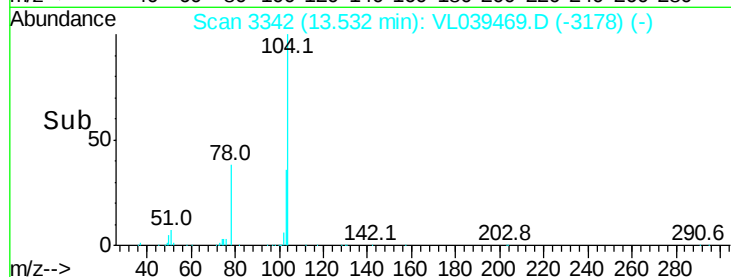
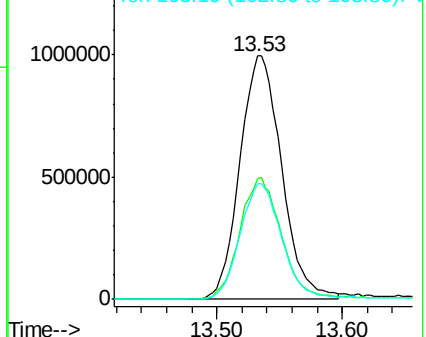
103 47.9 38.7 58.1



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: 7.54 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. 0.03 min

Lab File: VL039469.D

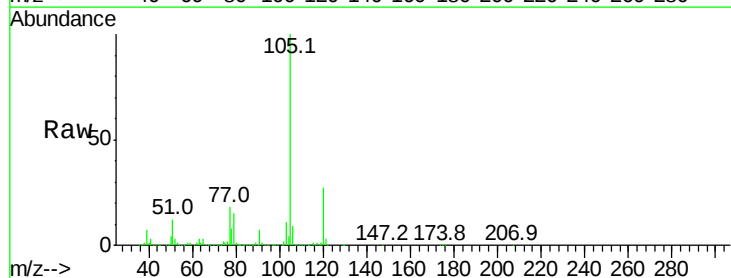
Acq: 13 Jul 2022 16:49

Tgt Ion:105 Resp: 5558829

Ion Ratio Lower Upper

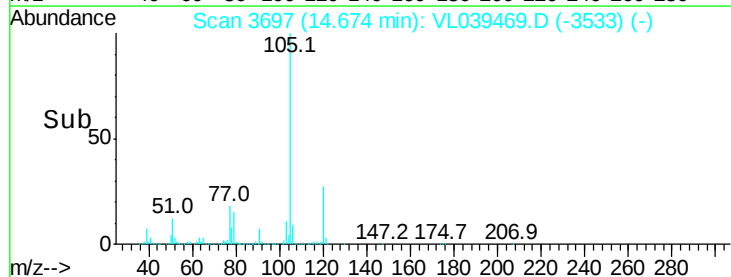
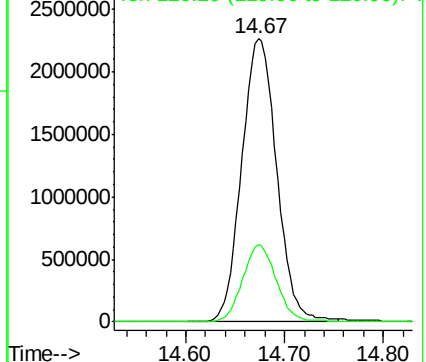
105 100

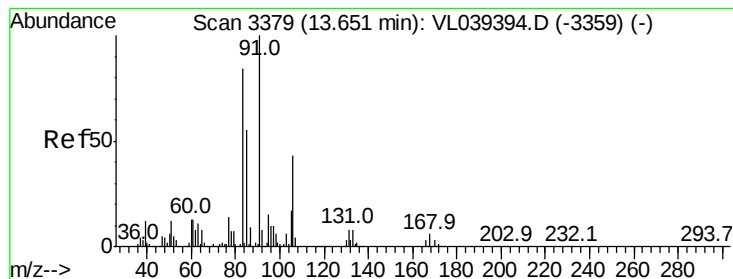
120 26.4 20.7 31.1



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: 7.24 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Jul 2022 16:49

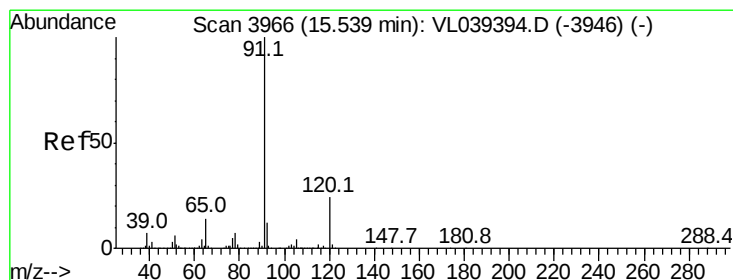
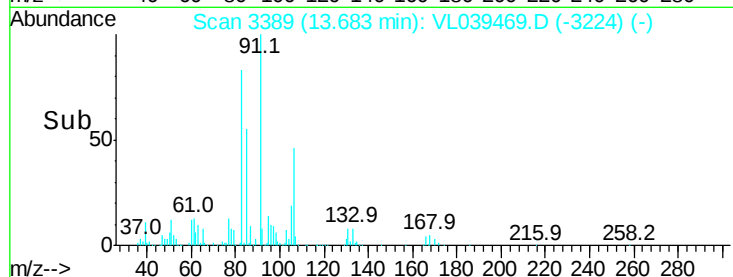
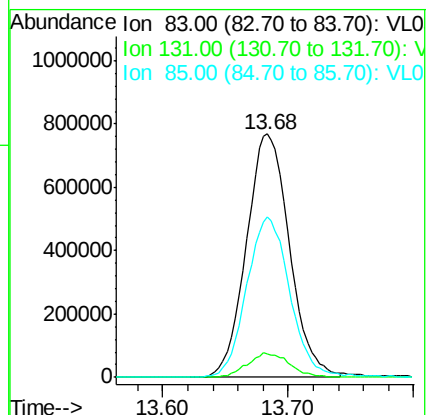
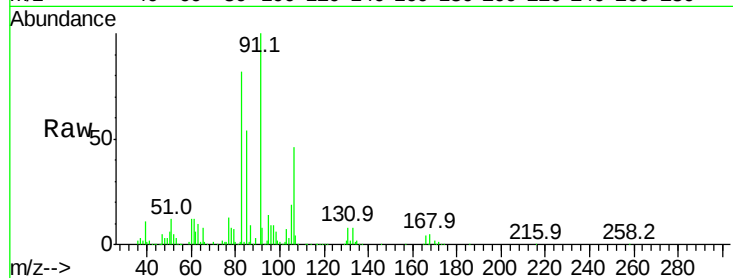
Tgt Ion: 83 Resp: 1836340

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.8

85 66.4 33.1 99.5



#64

n-propylbenzene

Concen: 7.93 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.03 min

Lab File: VL039469.D

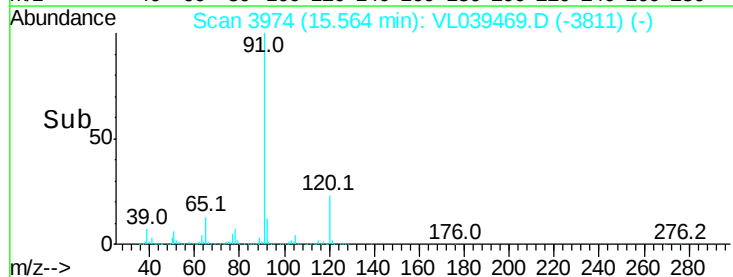
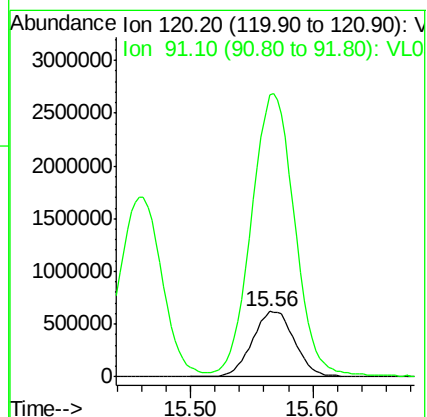
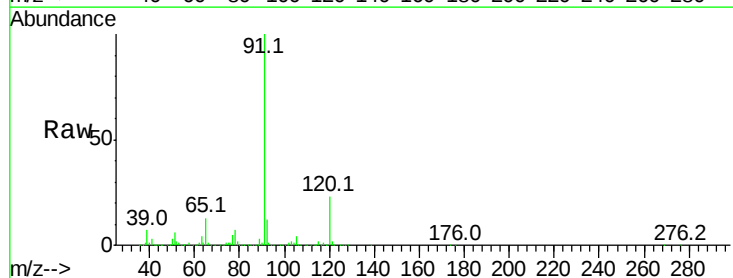
Acq: 13 Jul 2022 16:49

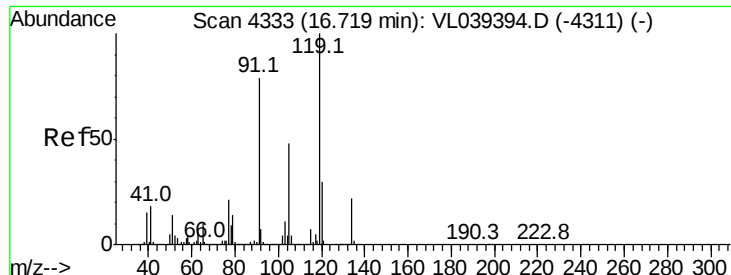
Tgt Ion: 120 Resp: 1482235

Ion Ratio Lower Upper

120 100

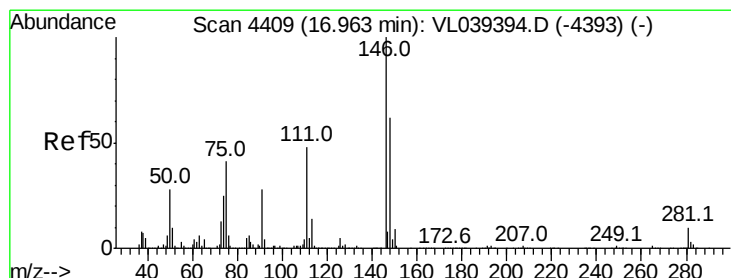
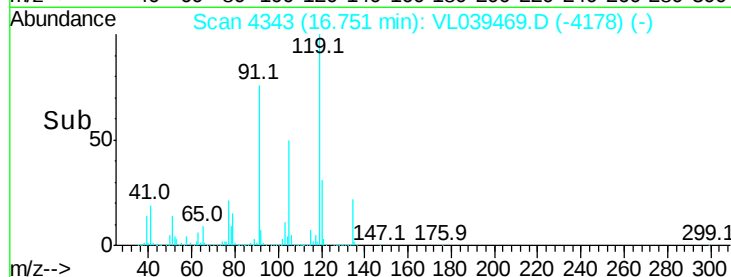
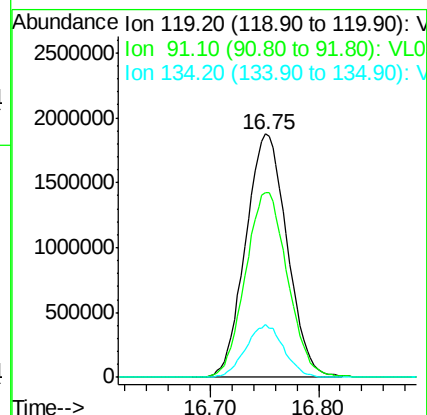
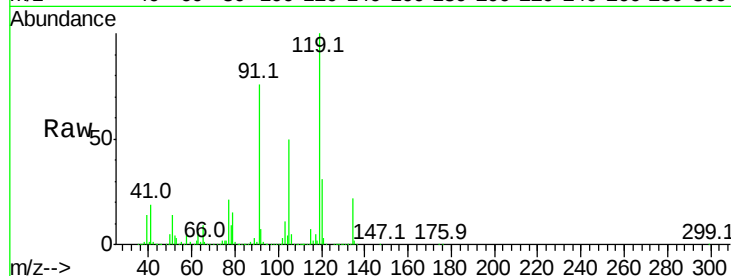
91 447.7 367.2 550.8





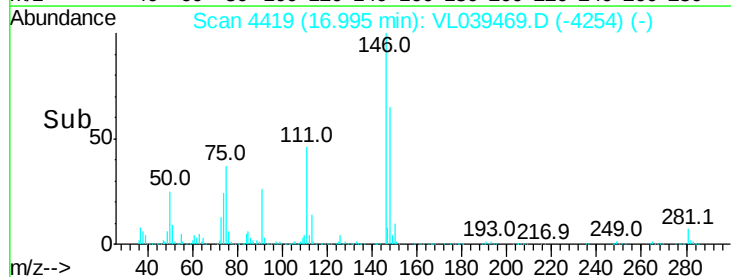
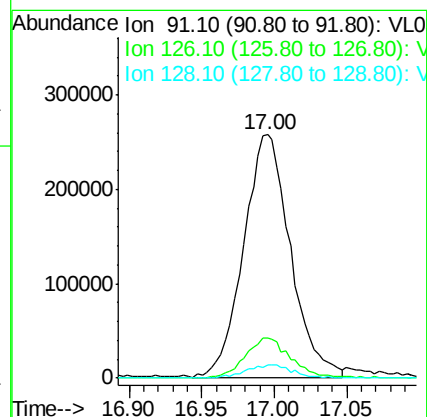
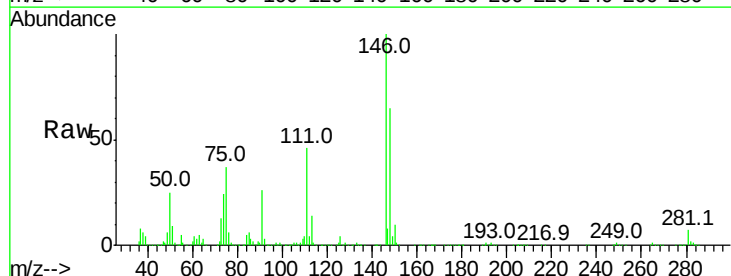
#65
 tert-Butylbenzene
 Concen: 7.33 ppbv
 RT: 16.75
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jul 2022 16:49

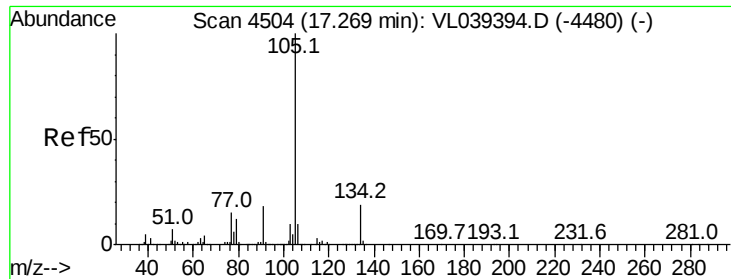
Tgt Ion: 119 Resp: 4992902
 Ion Ratio Lower Upper
 119 100
 91 77.3 63.4 95.2
 134 20.0 15.9 23.9



#66
 Benzyl Chloride
 Concen: 8.98 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.03 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49

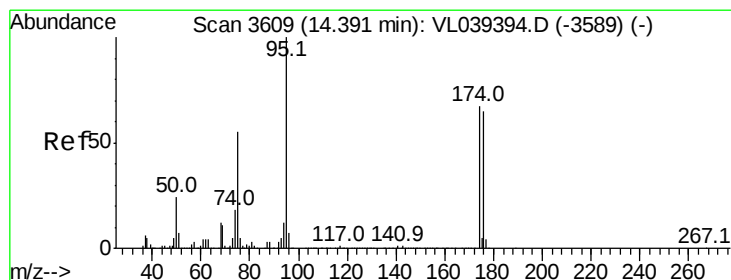
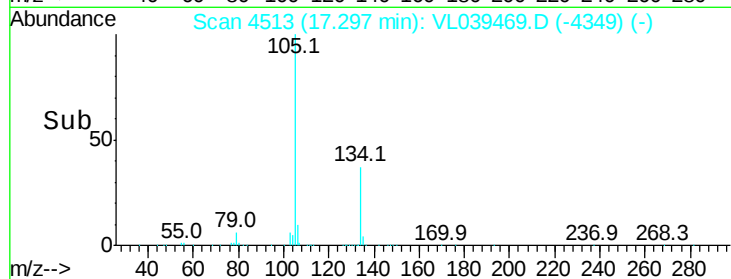
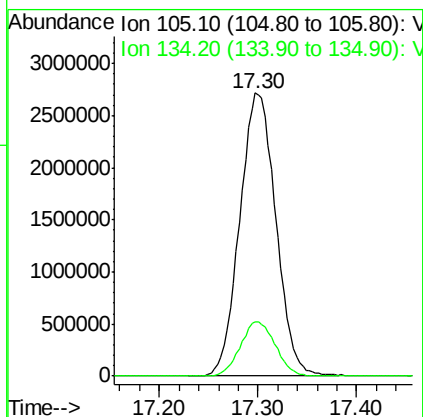
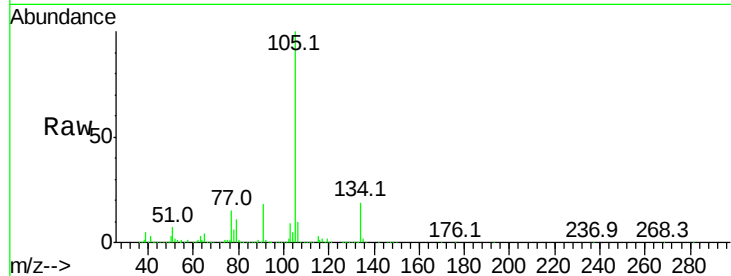
Tgt Ion: 91 Resp: 581501
 Ion Ratio Lower Upper
 91 100
 126 16.2 13.1 19.7
 128 5.5 4.4 6.6





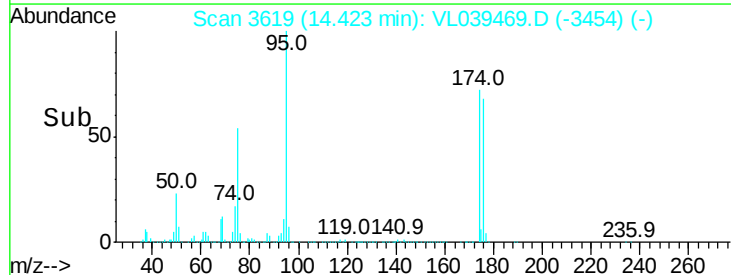
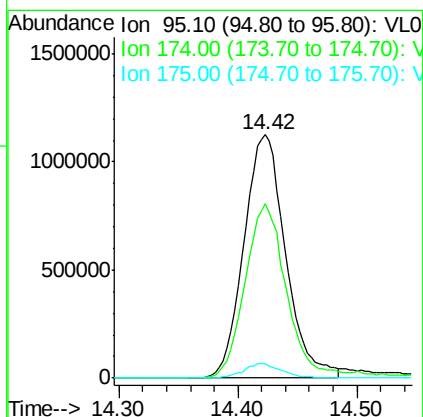
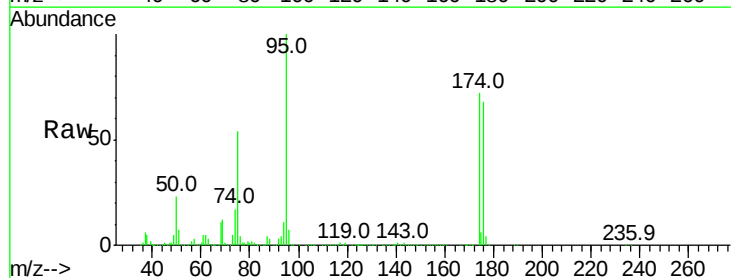
#67
 sec-Butylbenzene
 Concen: 7.49 ppbv
 RT: 17.30 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010
 Acq: 13 Jul 2022 16:49

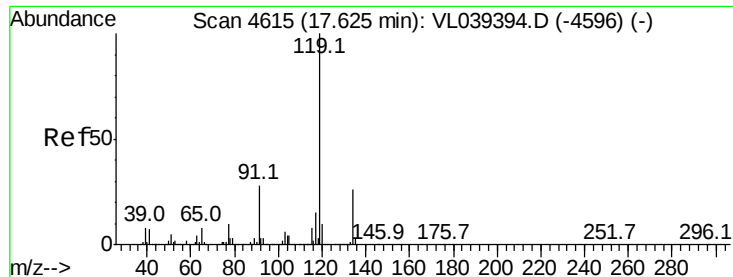
Tgt Ion: 105 Resp: 6873415
 Ion Ratio Lower Upper
 105 100
 134 18.9 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.20 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.03 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49

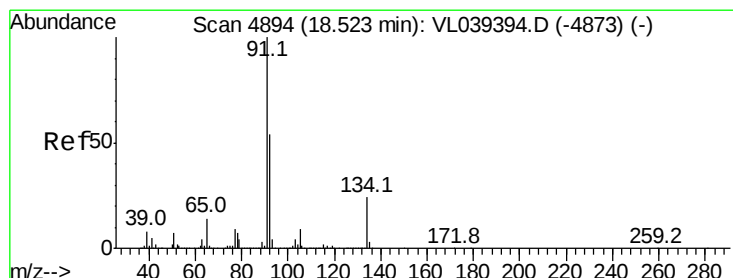
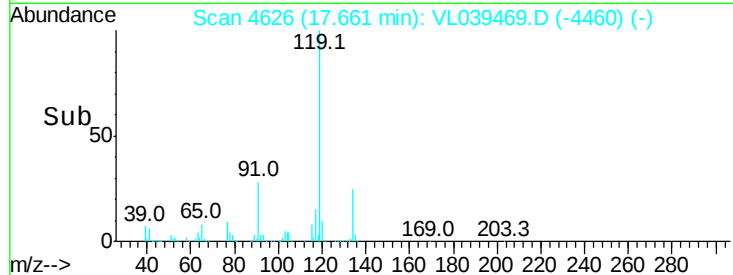
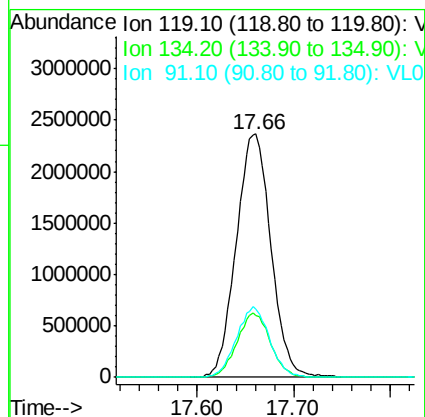
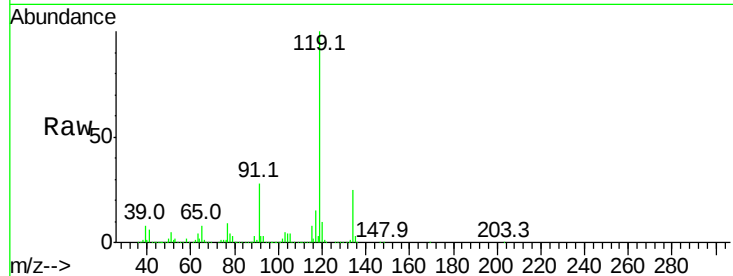
Tgt Ion: 95 Resp: 2731522
 Ion Ratio Lower Upper
 95 100
 174 73.7 55.9 83.9
 175 5.6 4.2 6.4





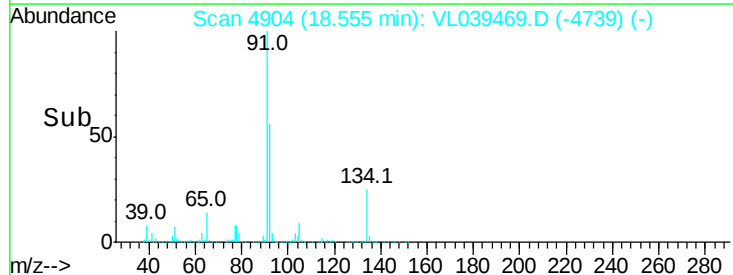
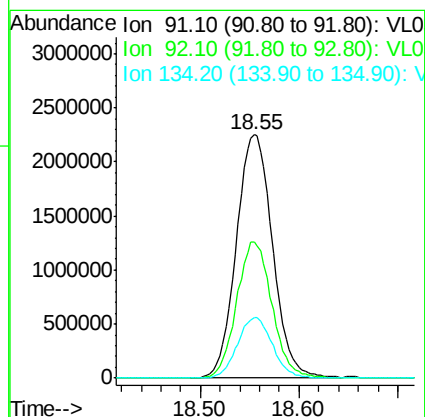
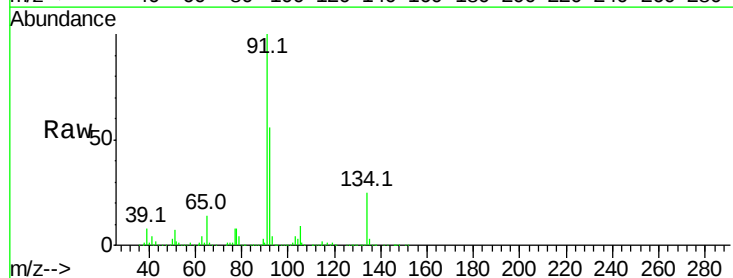
#69
 p-Isopropyltoluene
 Concen: 7.57 ppbv
 RT: 17.66 min
 Delta R.T. 0.03 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49

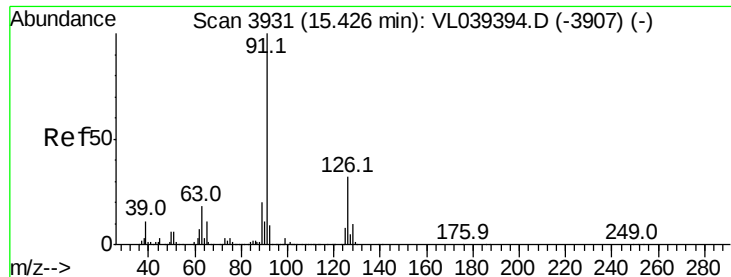
Tgt Ion:	119	Resp:	5889698
Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.3	30.5
91	27.7	22.9	34.3



#70
 n-Butylbenzene
 Concen: 7.60 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.03 min
 Lab File: VL039469.D
 Acq: 13 Jul 2022 16:49

Tgt Ion:	91	Resp:	5739189
Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.4	65.2
134	24.4	18.9	28.3





#71

2-Chlorotoluene

Concen: 7.79 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

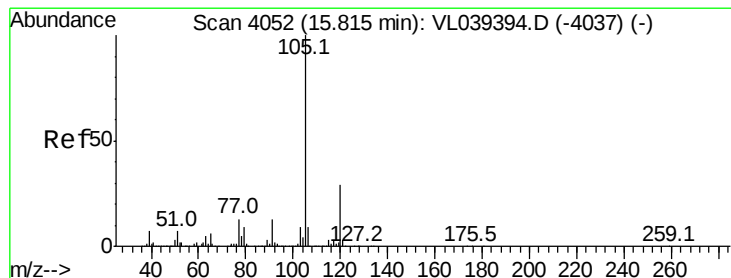
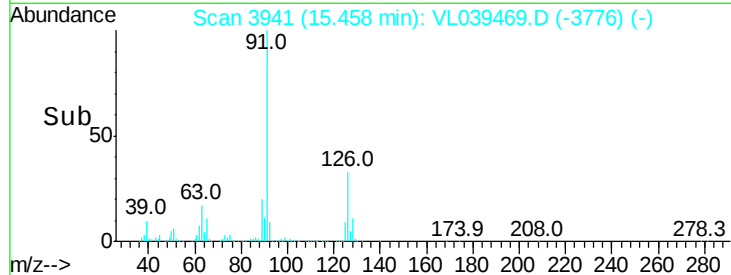
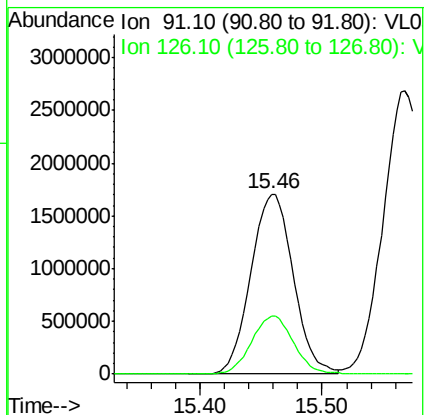
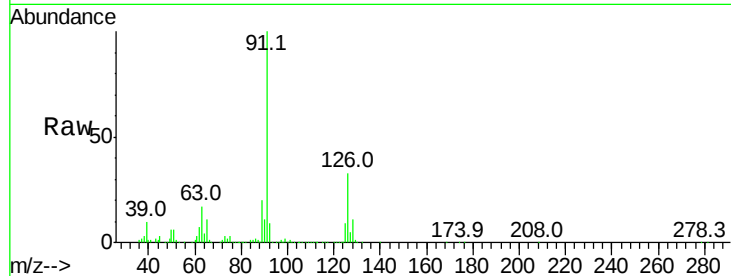
Acq: 13 Jul 2022 16:49

Tgt Ion: 91 Resp: 4110552

Ion Ratio Lower Upper

91 100

126 32.4 13.0 51.8



#72

4-Ethyltoluene

Concen: 7.96 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

Tgt Ion: 105 Resp: 4529828

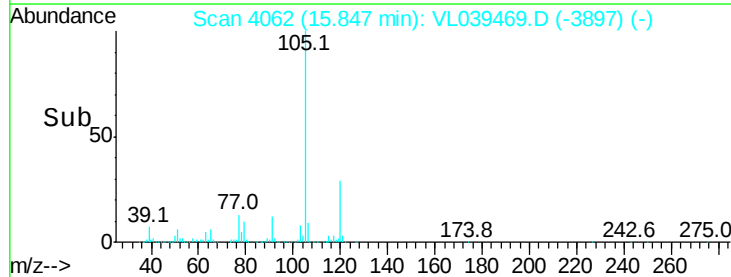
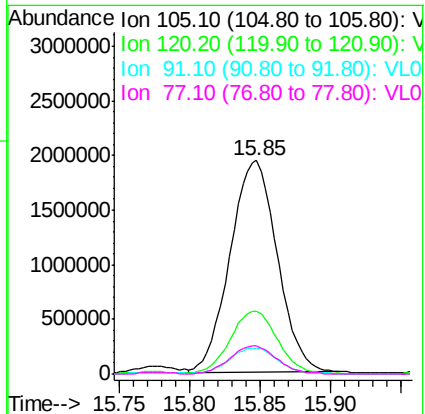
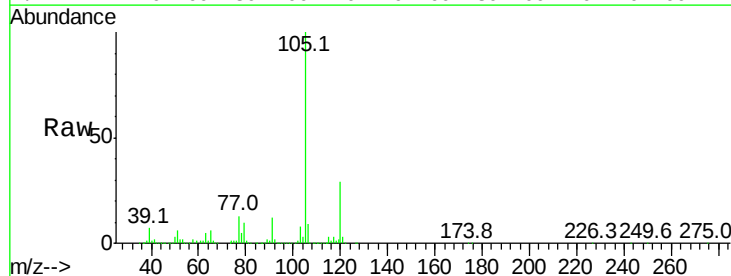
Ion Ratio Lower Upper

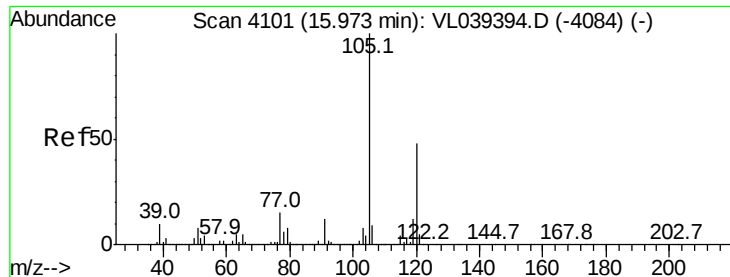
105 100

120 30.1 24.2 36.2

91 13.4 10.2 15.4

77 13.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.84 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

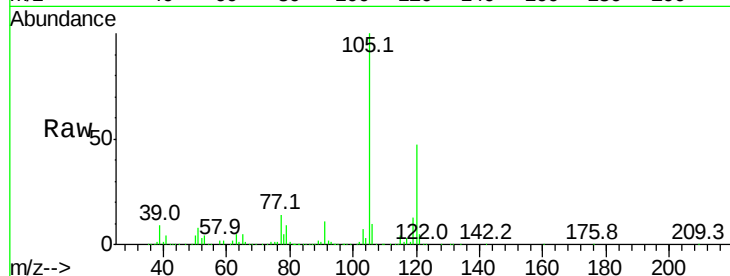
Acq: 13 Jul 2022 16:49

Tgt Ion:105 Resp: 4098109

Ion Ratio Lower Upper

105 100

120 47.3 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

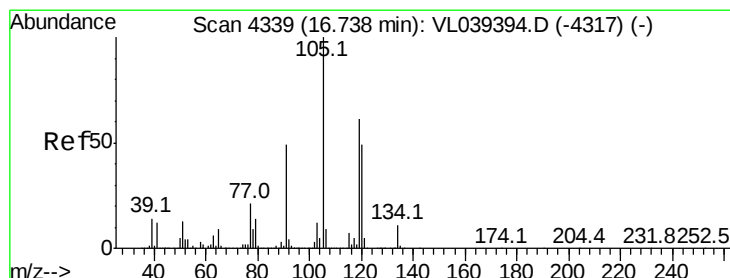
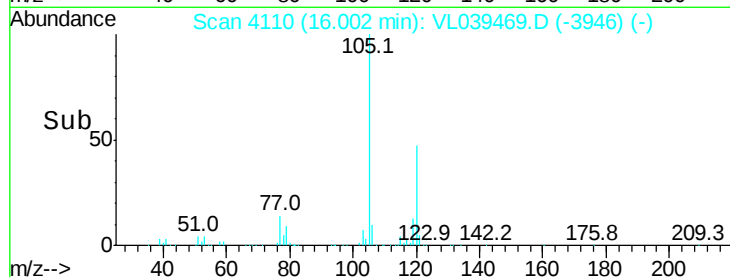
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.54 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

Tgt Ion:105 Resp: 4361197

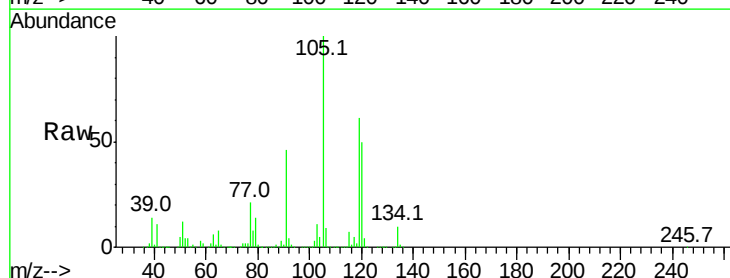
Ion Ratio Lower Upper

105 100

120 49.8 39.5 59.3

91 45.6 39.2 58.8

77 21.1 17.2 25.8



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

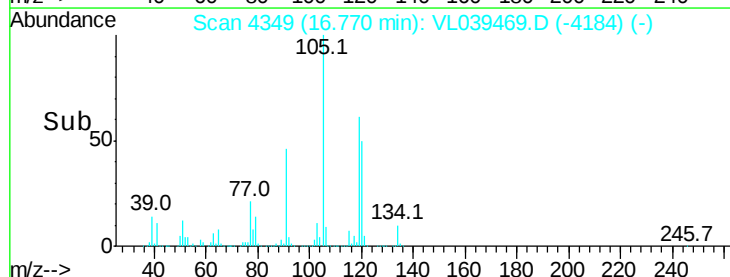
1000000

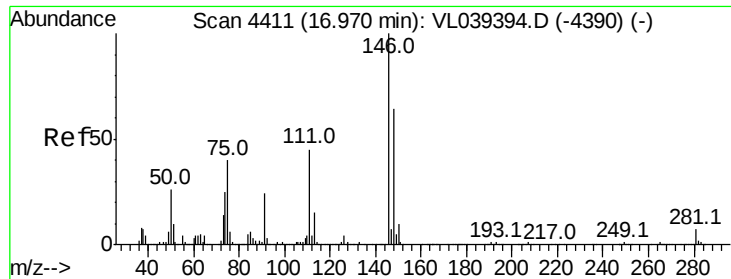
500000

0

16.70 16.77 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.66 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49

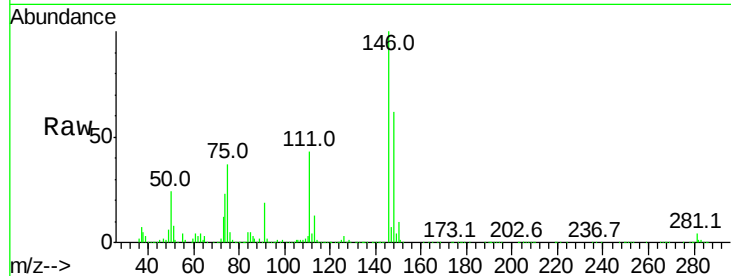
Tgt Ion:146 Resp: 2642610

Ion Ratio Lower Upper

146 100

111 45.2 22.9 68.7

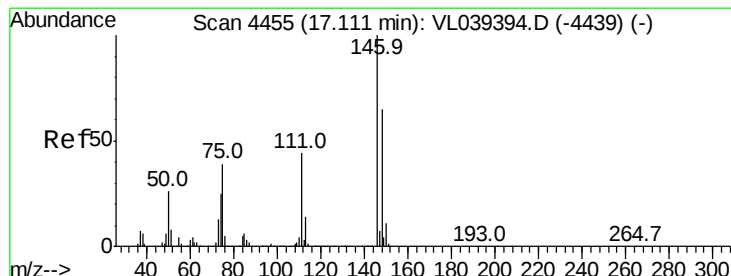
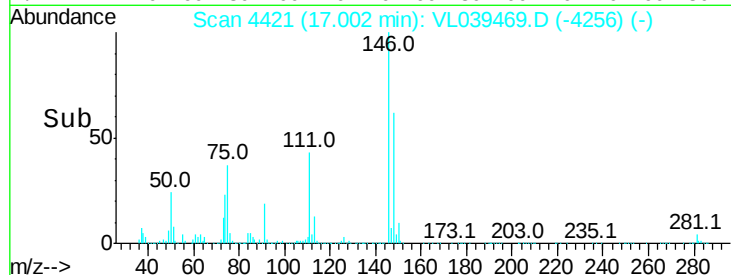
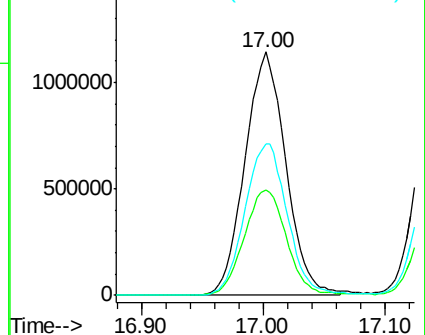
148 64.8 32.1 96.5



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



#76

1,4-Dichlorobenzene

Concen: 7.52 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. 0.03 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

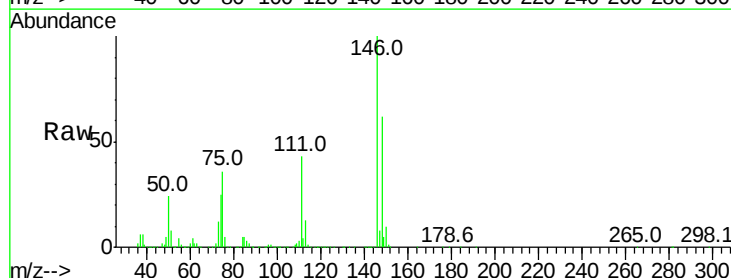
Tgt Ion:146 Resp: 2572215

Ion Ratio Lower Upper

146 100

111 45.0 22.9 68.8

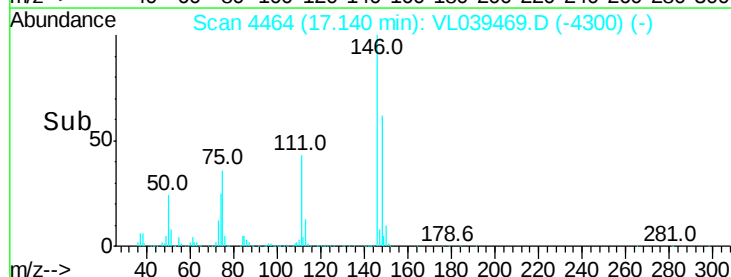
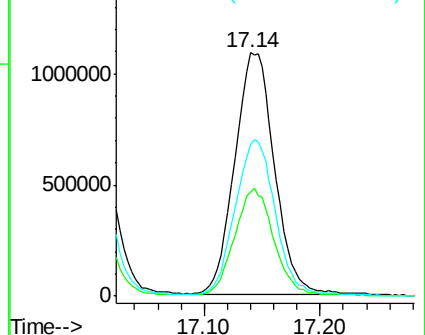
148 66.5 33.6 100.8

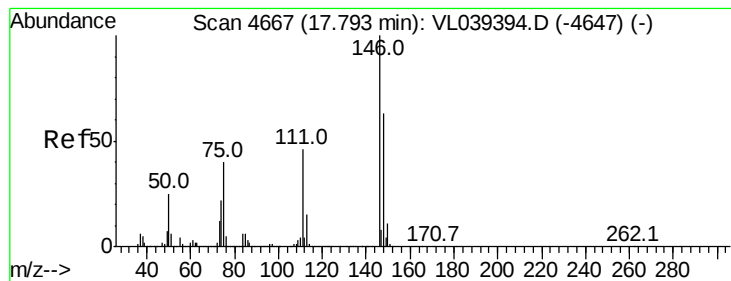


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.45 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 16:49

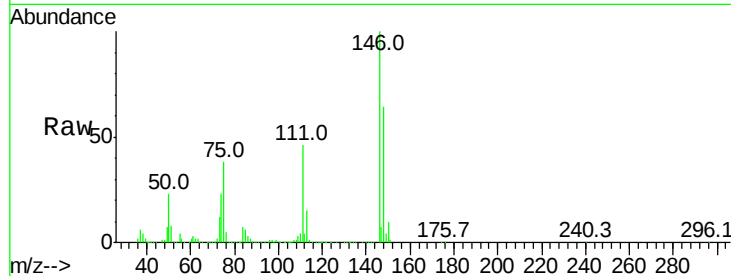
Tgt Ion:146 Resp: 2547065

Ion Ratio Lower Upper

146 100

111 47.3 23.8 71.5

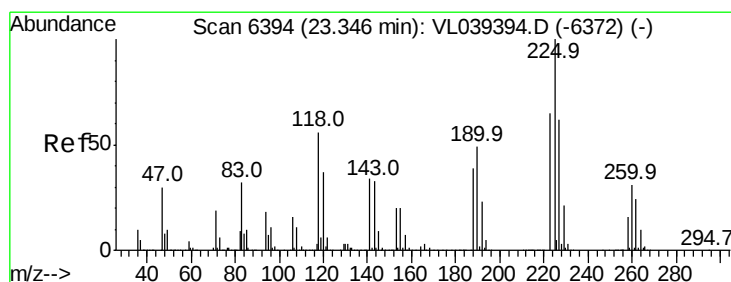
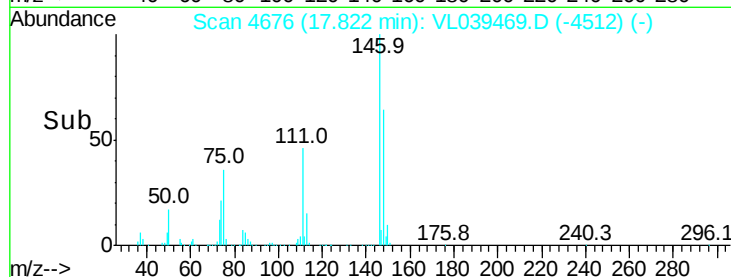
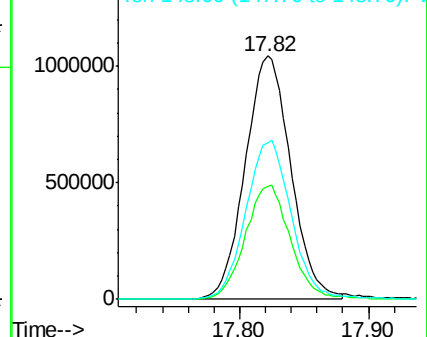
148 66.0 32.3 96.8



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: 6.58 ppbv

RT: 23.38 min Scan# 6405

Delta R.T. 0.04 min

Lab File: VL039469.D

Acq: 13 Jul 2022 16:49

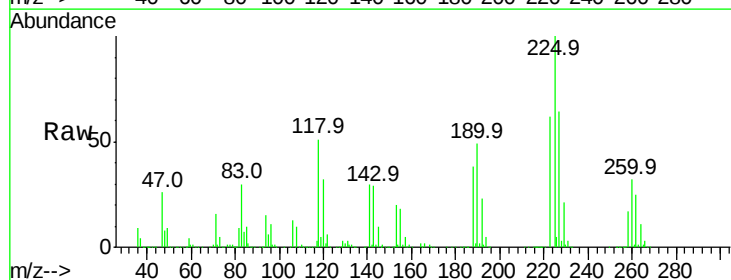
Tgt Ion:225 Resp: 1808052

Ion Ratio Lower Upper

225 100

223 64.9 51.8 77.6

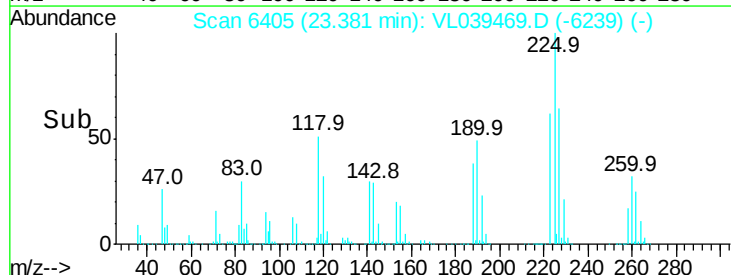
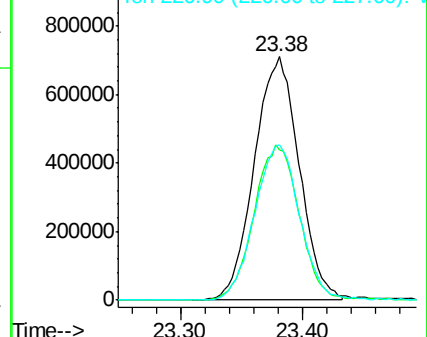
227 64.9 51.4 77.2

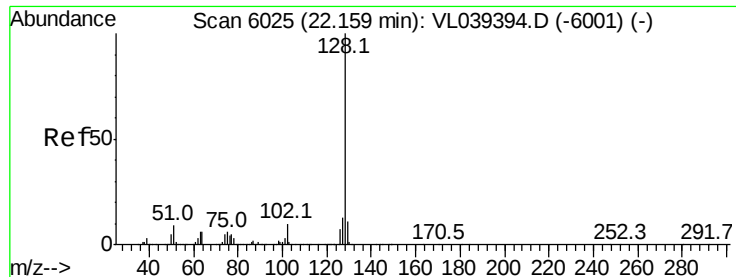


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

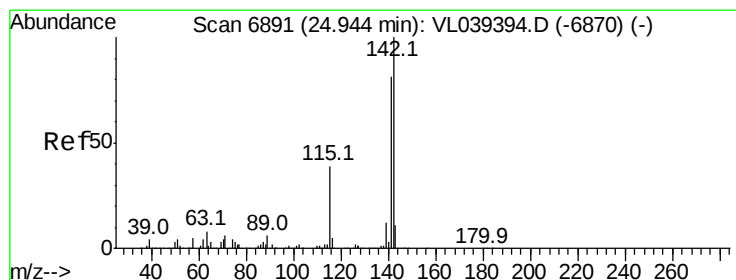
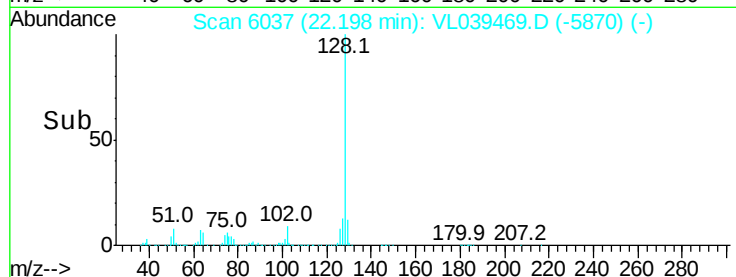
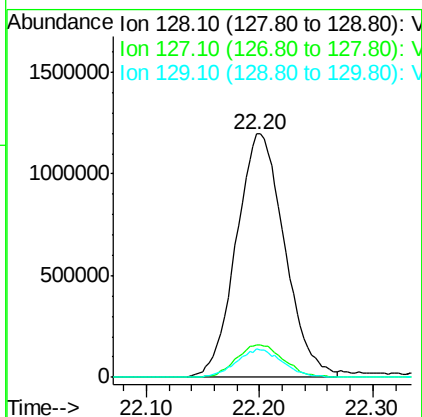
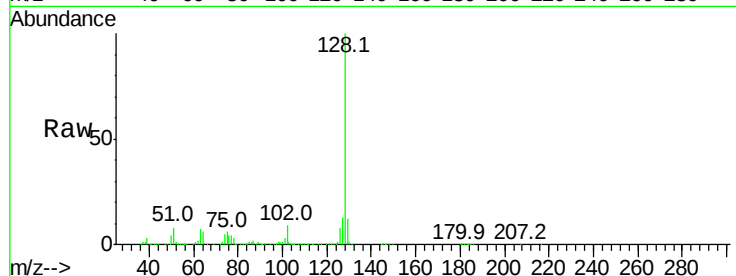




#79
Naphthalene
Concen: 8.90 ppbv
RT: 22.20 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Jul 2022 16:49

Tgt Ion:128 Resp: 3540080

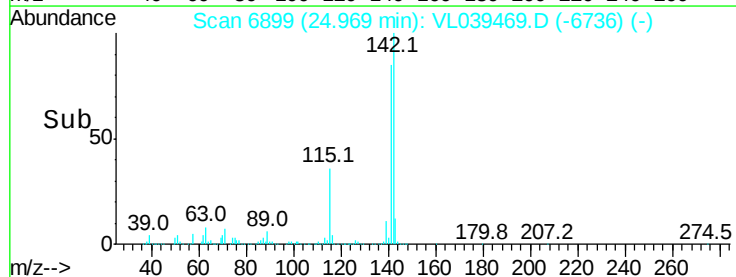
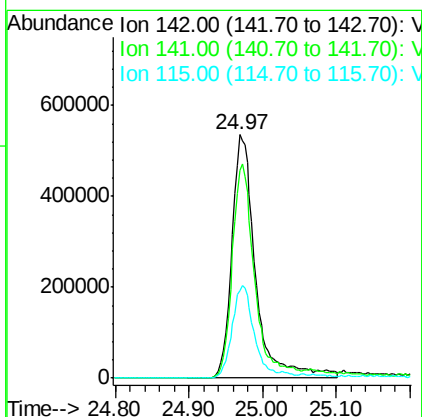
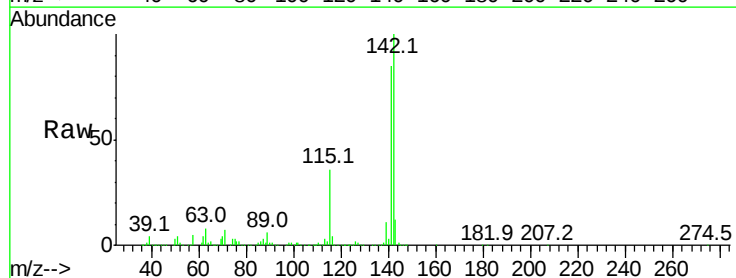
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.9	8.8	13.2

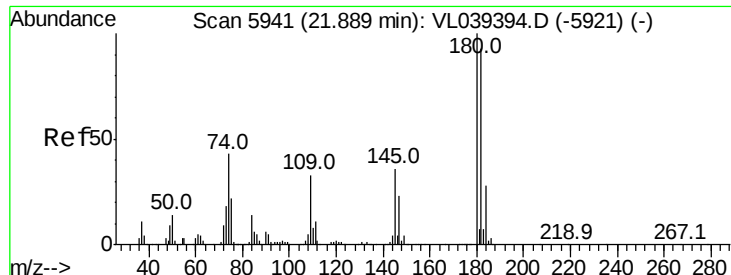


#80
Naphthalene, 2-methyl-
Concen: 8.86 ppbv
RT: 24.97 min Scan# 6899
Delta R.T.: 0.03 min
Lab File: VL039469.D
Acq: 13 Jul 2022 16:49

Tgt Ion:142 Resp: 1199996

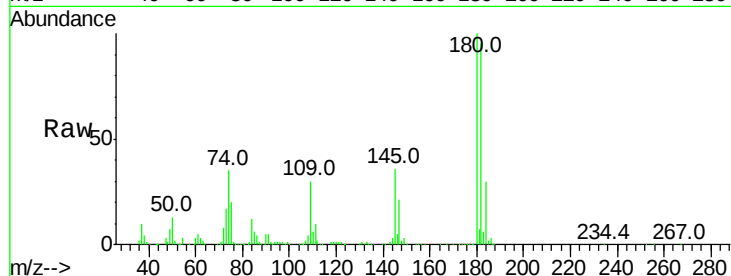
Ion	Ratio	Lower	Upper
142	100		
141	88.8	68.9	103.3
115	38.6	30.0	45.0





#81
 1,2,4-Trichlorobenzene
 Concen: 8.06 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Jul 2022 18:49

Tgt Ion:180 Resp: 2089430
 Ion Ratio Lower Upper
 180 100
 182 98.2 77.1 115.7
 184 30.8 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

