

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039442.D
 Acq On : 12 Jul 2022 10:13
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 20 03:26:39 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	5.68	49	1247164	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3497827	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4109956	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2431540	7.97	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1845683	10.26	ppbv	98
3) Chlorodifluoromethane	3.00	51	1544060	9.76	ppbv	99
4) Chloromethane	3.15	50	857403	9.91	ppbv	100
5) Vinyl Chloride	3.27	62	840273	9.85	ppbv	99
6) Bromomethane	3.48	94	362700	10.10	ppbv	96
7) Chloroethane	3.57	64	308076	10.15	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	2008021	10.22	ppbv	99
9) Propene	3.02	41	696031	9.74	ppbv	100
10) Heptane	8.14	43	1769442	10.57	ppbv	100
11) Trichlorofluoromethane	3.96	101	1965317	9.80	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1459206	9.76	ppbv	99
13) Ethanol	3.61	45	22939	5.53	ppbv	67
14) Bromoethene	3.75	108	636318	10.13	ppbv	99
15) Acetone	3.86	43	1463437	9.92	ppbv	98
16) 1,3-Butadiene	3.34	39	802760	10.49	ppbv	98
17) tert-Butyl alcohol	4.29	59	1420467	11.34	ppbv	100
18) 1,1-Dichloroethene	4.30	96	676746	10.00	ppbv	97
19) Isopropyl Alcohol	3.97	45	825008	10.48	ppbv #	95
20) Methylene Chloride	4.36	84	530044	9.01	ppbv	99
21) Allyl Chloride	4.42	41	1055451	10.33	ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	676278	10.32	ppbv	98
23) Vinyl Acetate	5.08	43	1163406	11.80	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1407029	10.10	ppbv	99
25) Ethyl Acetate	5.69	43	3202122	10.58	ppbv	100
26) Hexane	5.70	57	1352055	11.09	ppbv	99
27) Carbon Disulfide	4.56	76	1661076	11.28	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1339954	10.28	ppbv	98
29) Chloroform	5.76	83	2126385	10.03	ppbv	100
30) Cyclohexane	7.14	84	1182124	10.65	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1362465	10.53	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	2172958	10.38	ppbv	99
34) 2-Butanone	5.25	43	1857003	10.55	ppbv	99
35) Carbon Tetrachloride	7.03	117	2322393	10.75	ppbv	98
36) Benzene	6.91	78	2835816	10.48	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1612267	10.09	ppbv	100
38) Trichloroethene	7.85	130	1488244	10.16	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1056398	10.45	ppbv	99
40) 1,4-Dioxane	7.84	88	417034	10.35	ppbv	95
41) Tetrahydrofuran	6.06	42	1116959	10.95	ppbv	99
42) Bromodichloromethane	7.81	83	2347646	10.90	ppbv	99
43) Methyl Methacrylate	8.02	69	1118405	10.87	ppbv	97

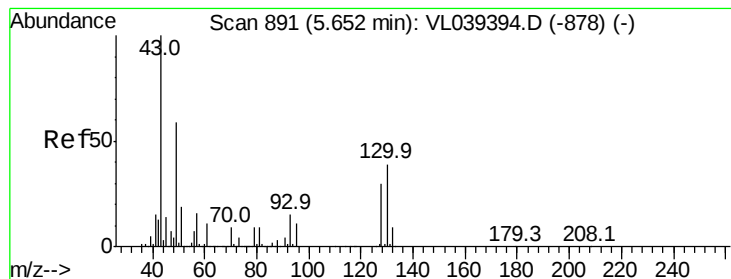
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039442.D
 Acq On : 12 Jul 2022 10:13
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jul 20 03:26:39 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)
44) 2,2,4-Trimethylpentane	7.88	57	4711438	10.27	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1204493	13.14	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	1551296	12.30	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1161599	10.24	ppbv	94
48) Dibromochloromethane	10.32	129	2127247	11.79	ppbv	100
49) Bromoform	13.05	173	1795330	12.34	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	2968593	11.15	ppbv	100
51) 2-Hexanone	10.14	43	2325235	11.55	ppbv #	99
52) Tetrachloroethene	11.24	164	1107542	10.16	ppbv	99
53) Toluene	9.82	91	3407976	10.91	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1553155	11.00	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1517874	8.36	ppbv	94
57) Chlorobenzene	12.16	112	2563252	8.04	ppbv #	97
58) Ethyl Benzene	12.73	91	4547811	8.57	ppbv	100
59) m/p-Xylene	13.01	91	4353411	9.30	ppbv #	45
60) o-Xylene	13.71	91	3684458	8.32	ppbv	98
61) Styrene	13.54	104	2224800	9.27	ppbv	99
62) Isopropylbenzene	14.68	105	5489456	8.14	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	1769110	7.62	ppbv	100
64) n-propylbenzene	15.57	120	1444504	8.45	ppbv	99
65) tert-Butylbenzene	16.76	119	5013562	8.04	ppbv	100
66) Benzyl Chloride	17.00	91	613247	10.35	ppbv	97
67) sec-Butylbenzene	17.31	105	6833270	8.14	ppbv	99
69) p-Isopropyltoluene	17.66	119	5900694	8.28	ppbv	99
70) n-Butylbenzene	18.56	91	5771012	8.34	ppbv	100
71) 2-Chlorotoluene	15.46	91	3996476	8.28	ppbv	99
72) 4-Ethyltoluene	15.85	105	4415828	8.48	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4069777	8.51	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	4364726	8.25	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	2600265	8.24	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2535149	8.10	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2551056	8.15	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	1800923	7.16	ppbv	99
79) Naphthalene	22.21	128	3528229	9.69	ppbv	99
80) Naphthalene,2-methyl-	24.98	142	1299639	10.48	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	2014433	8.49	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13 VSTDCCC010

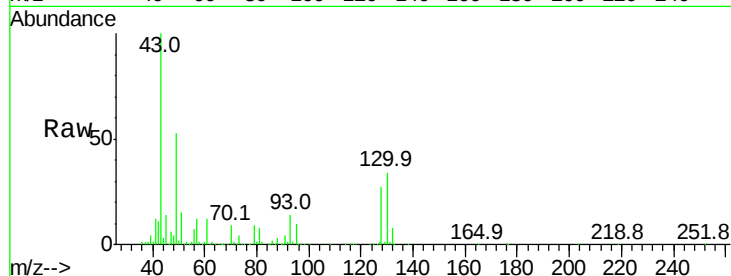
Tgt Ion: 49 Resp: 1247164

Ion Ratio Lower Upper

49 100

128 53.8 26.7 80.0

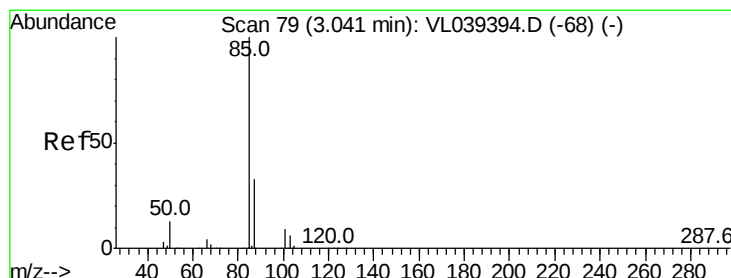
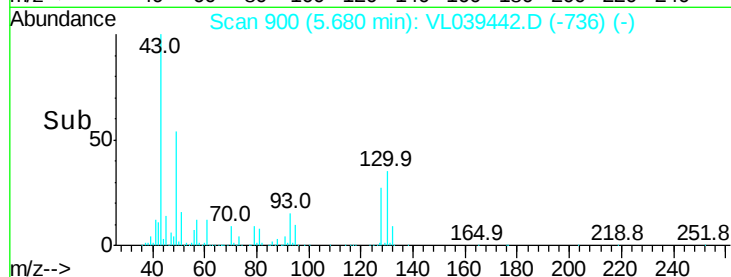
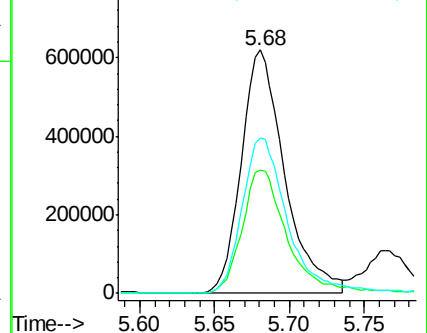
130 68.4 34.3 102.8



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: 10.26 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL039442.D

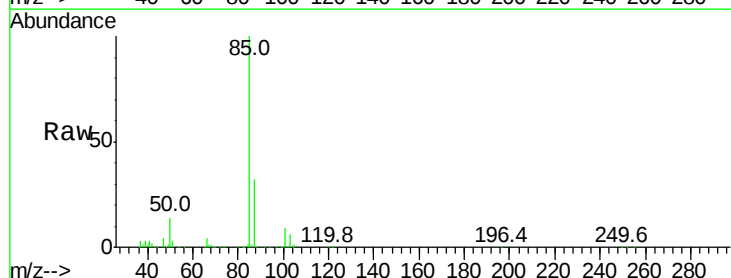
Acq: 12 Jul 2022 10:13

Tgt Ion: 85 Resp: 1845683

Ion Ratio Lower Upper

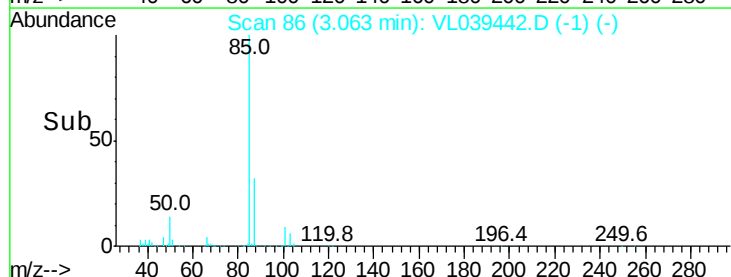
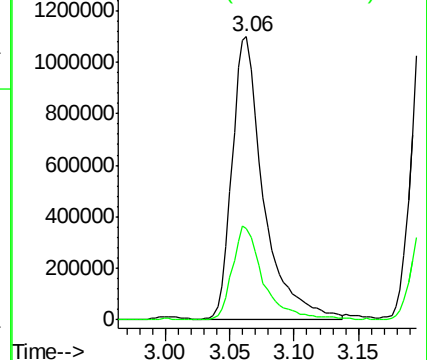
85 100

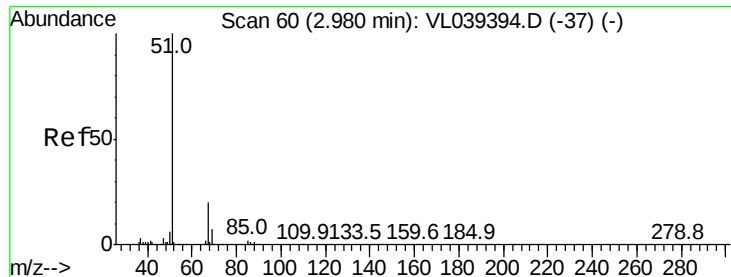
87 32.2 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.76 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

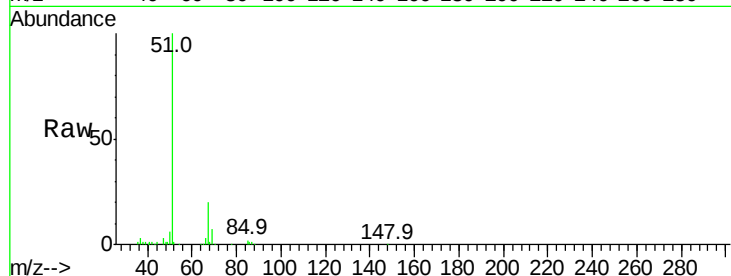
Acq: 12 Jul 2022 10:13 VSTDCCC010

Tgt Ion: 51 Resp: 1544060

Ion Ratio Lower Upper

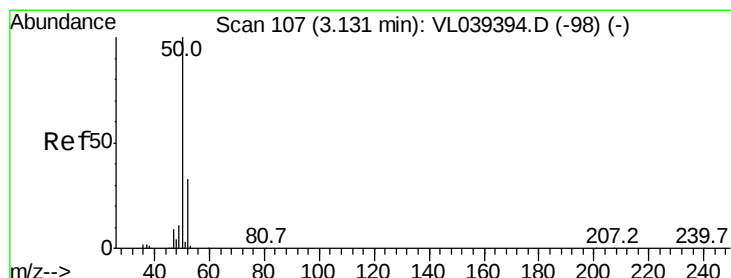
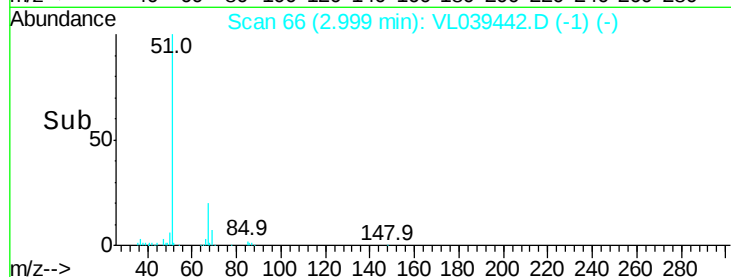
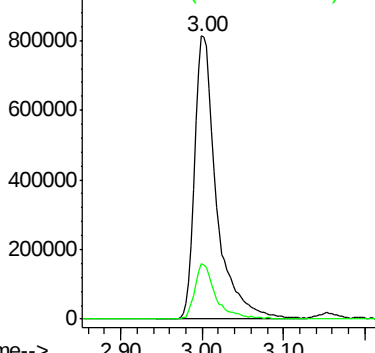
51 100

67 19.1 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.91 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL039442.D

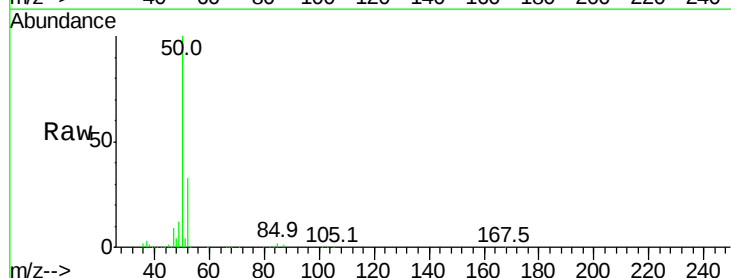
Acq: 12 Jul 2022 10:13

Tgt Ion: 50 Resp: 857403

Ion Ratio Lower Upper

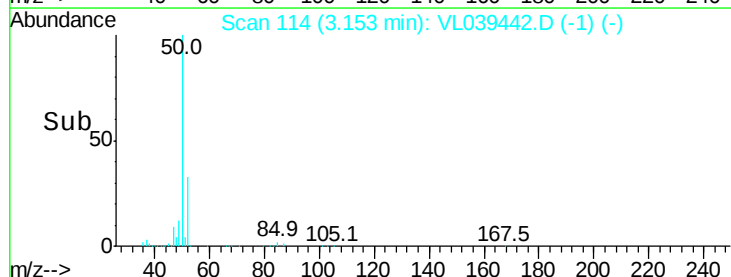
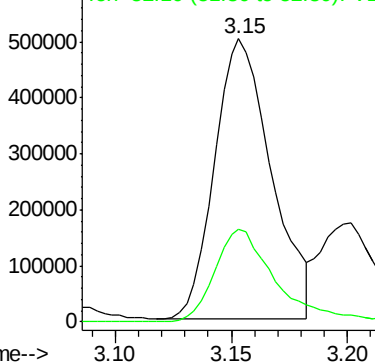
50 100

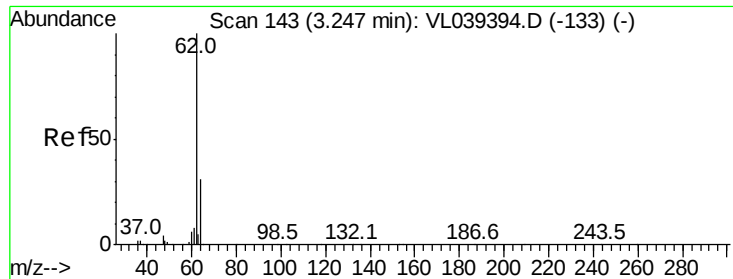
52 32.8 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.85 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

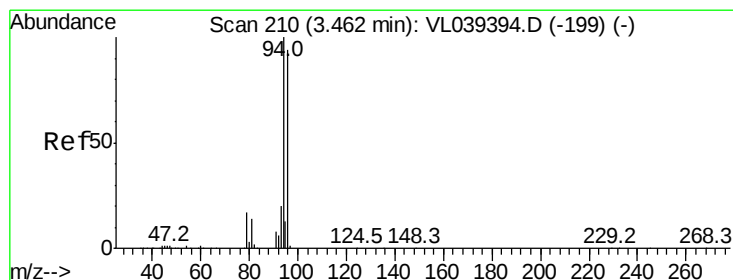
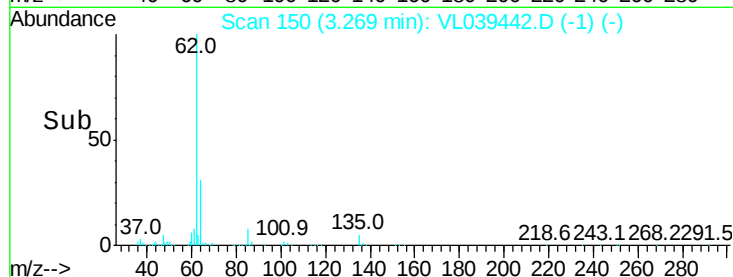
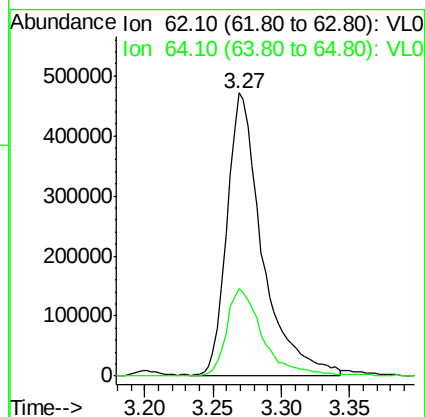
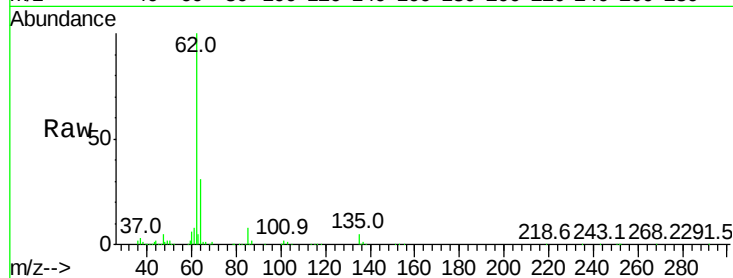
Acq: 12 Jul 2022 10:13

Tgt Ion: 62 Resp: 840273

Ion Ratio Lower Upper

62 100

64 31.0 24.6 36.8



#6

Bromomethane

Concen: 10.10 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL039442.D

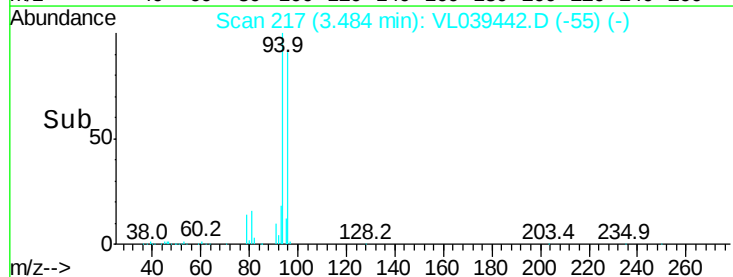
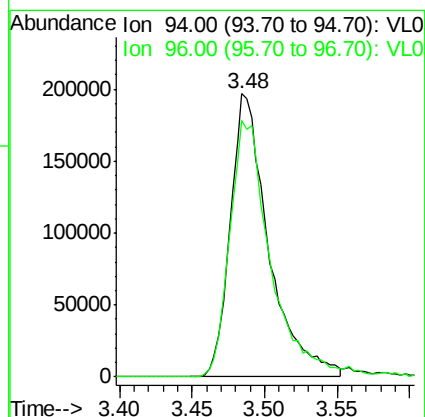
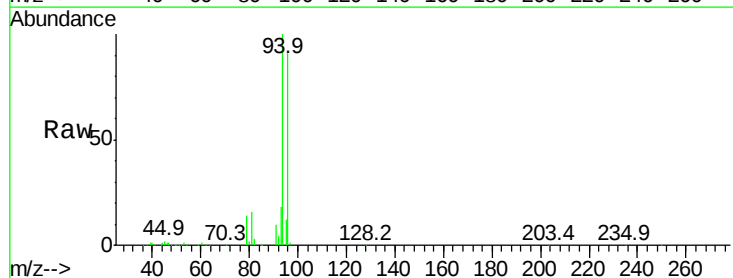
Acq: 12 Jul 2022 10:13

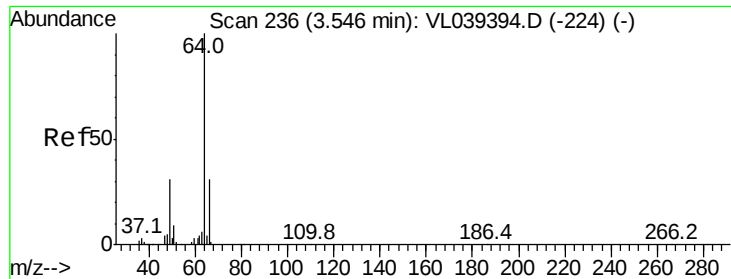
Tgt Ion: 94 Resp: 362700

Ion Ratio Lower Upper

94 100

96 90.6 75.6 113.4





#7

Chloroethane

Concen: 10.15 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

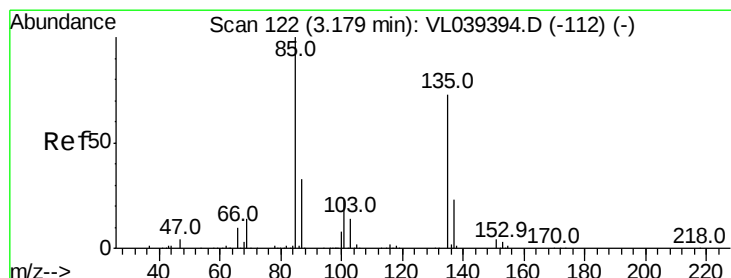
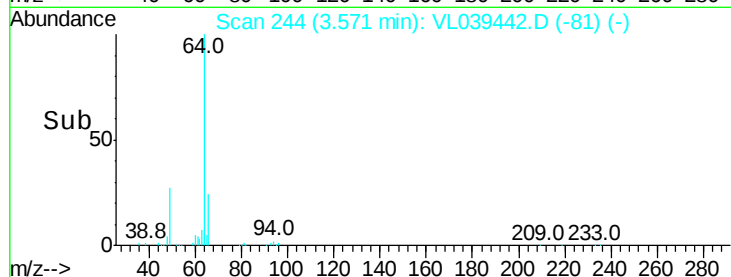
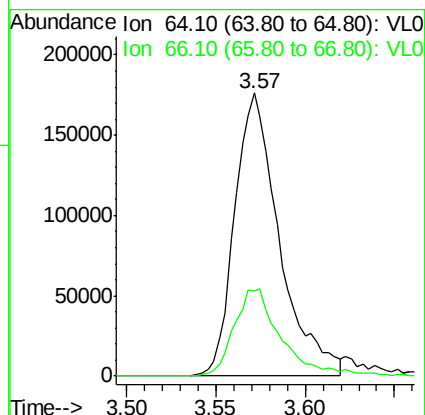
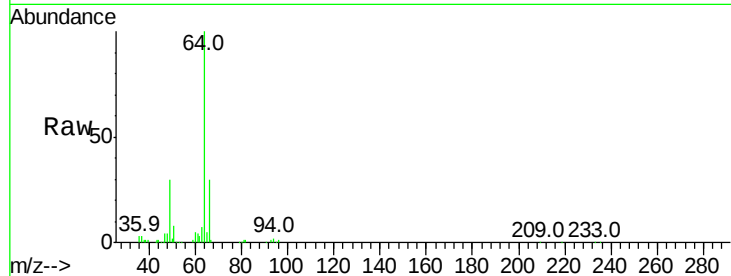
Acq: 12 Jul 2022 10:13 VSTDCCC010

Tgt Ion: 64 Resp: 308076

Ion Ratio Lower Upper

64 100

66 30.2 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 10.22 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.02 min

Lab File: VL039442.D

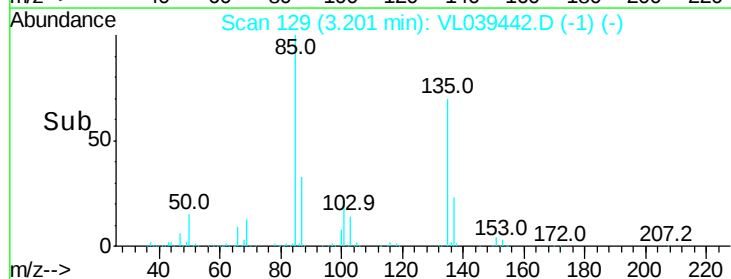
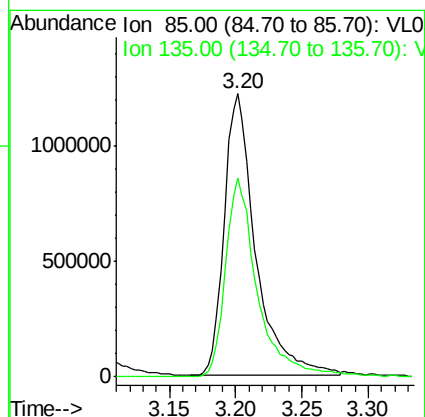
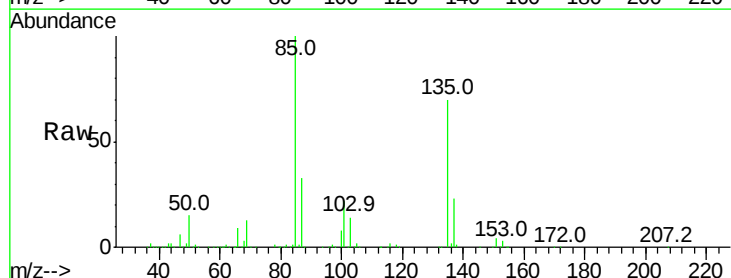
Acq: 12 Jul 2022 10:13

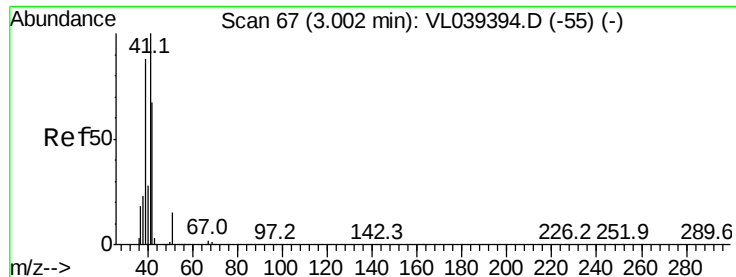
Tgt Ion: 85 Resp: 2008021

Ion Ratio Lower Upper

85 100

135 72.7 59.0 88.4





#9

Propene

Concen: 9.74 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: ClientSampleId: VSTDCCC010

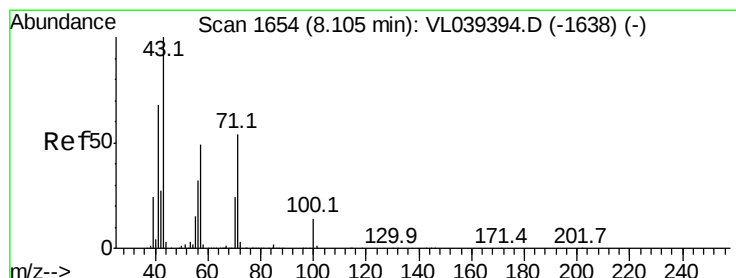
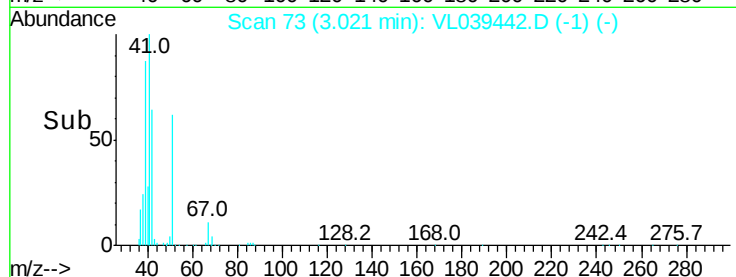
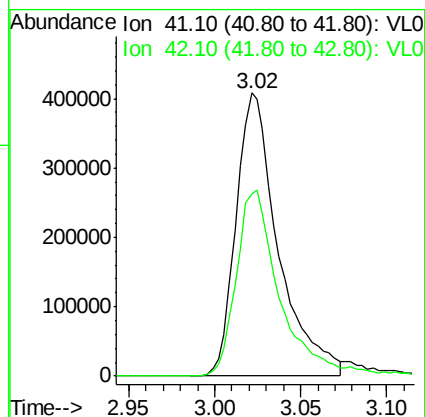
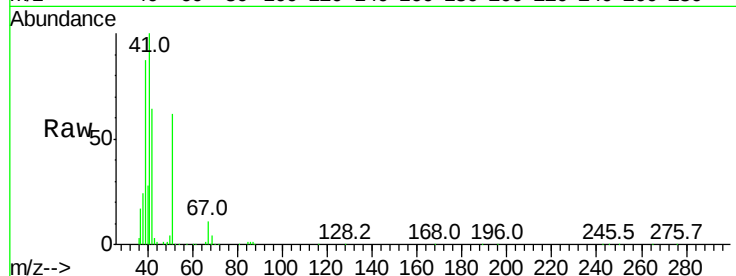
Acq: 12 Jul 2022 10:13

Tgt Ion: 41 Resp: 696031

Ion Ratio Lower Upper

41 100

42 68.9 55.2 82.8



#10

Heptane

Concen: 10.57 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.03 min

Lab File: VL039442.D

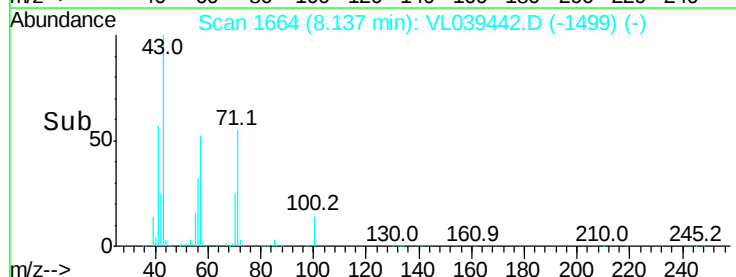
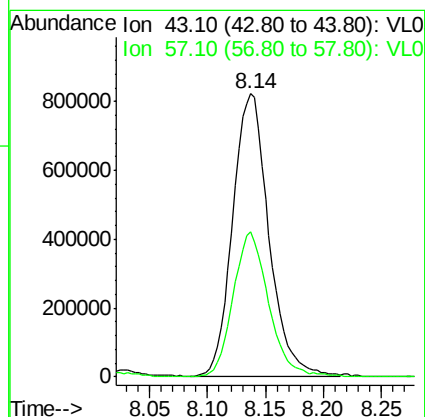
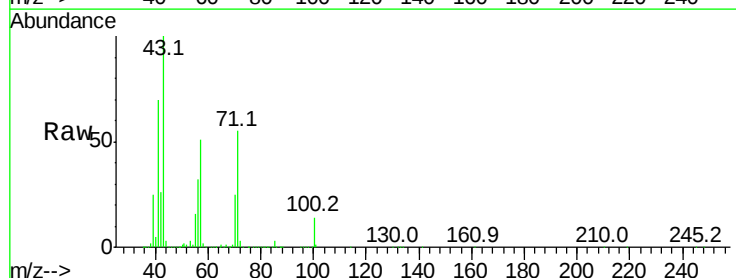
Acq: 12 Jul 2022 10:13

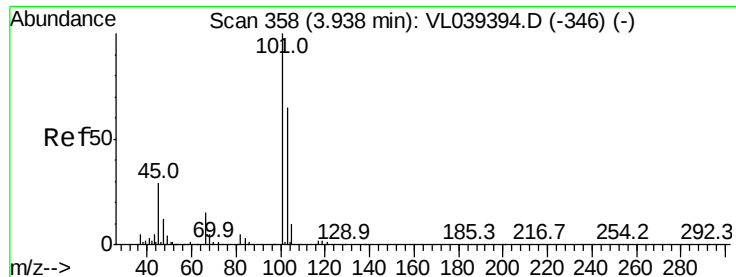
Tgt Ion: 43 Resp: 1769442

Ion Ratio Lower Upper

43 100

57 50.6 40.5 60.7





#11

Trichlorofluoromethane

Concen: 9.80 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

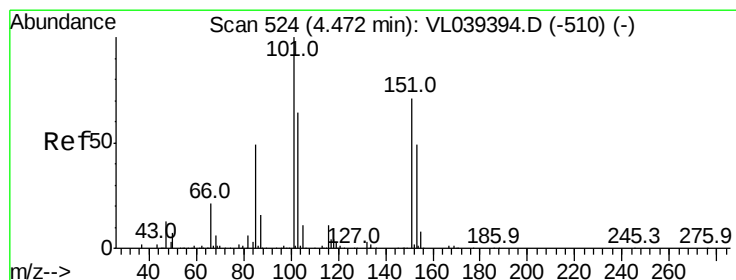
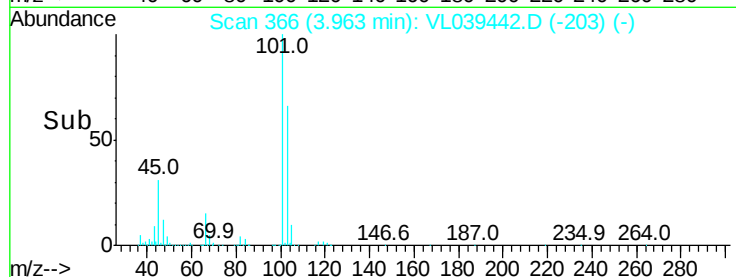
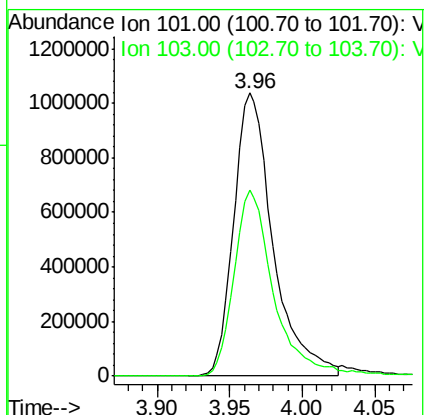
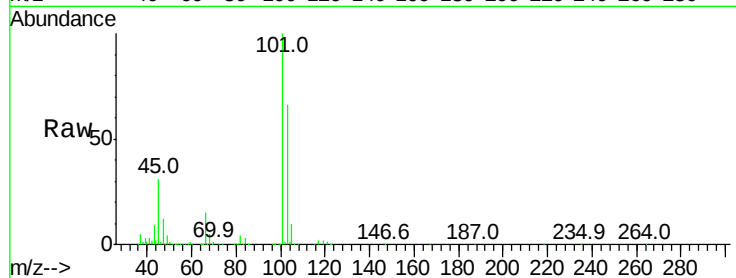
Acq: 12 Jul 2022 10:13 VSTDCCC010

Tgt Ion:101 Resp: 1965317

Ion Ratio Lower Upper

101 100

103 65.9 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.76 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.03 min

Lab File: VL039442.D

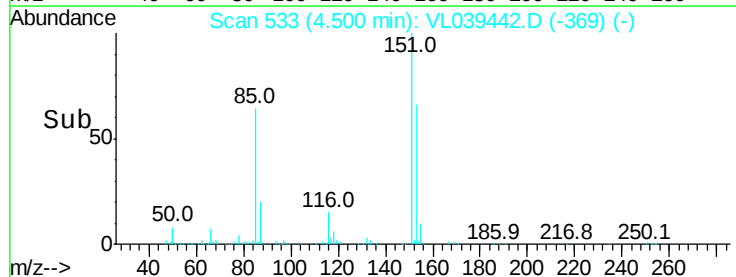
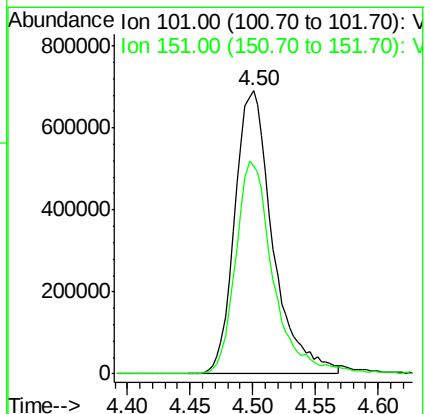
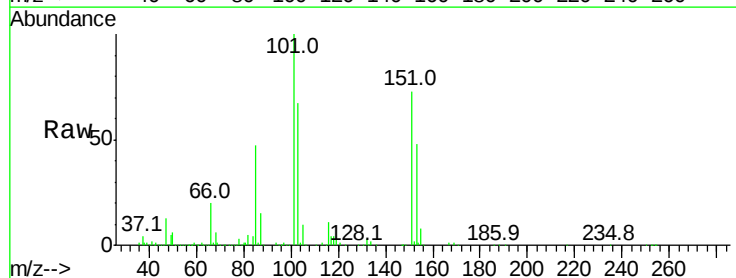
Acq: 12 Jul 2022 10:13

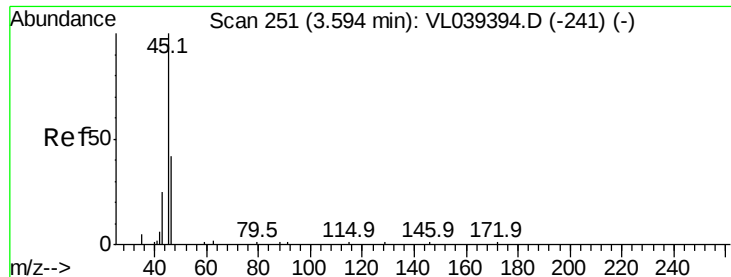
Tgt Ion:101 Resp: 1459206

Ion Ratio Lower Upper

101 100

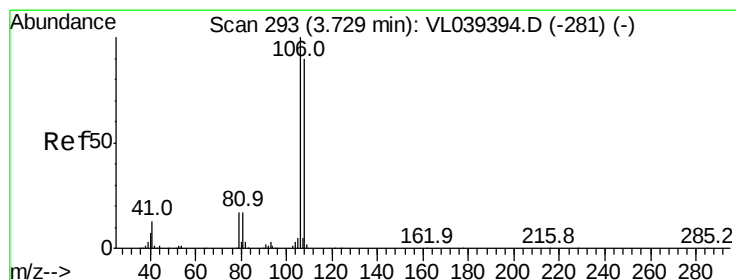
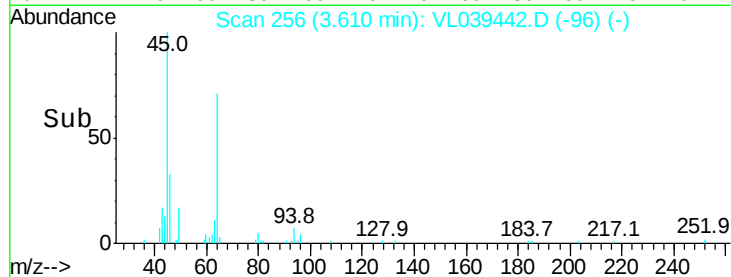
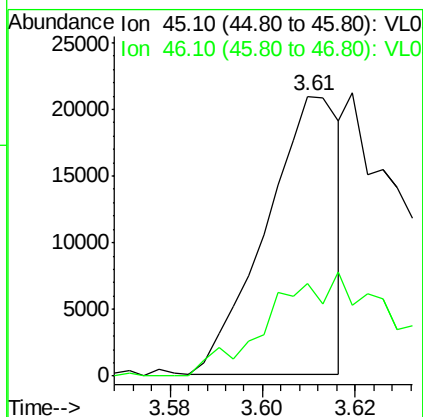
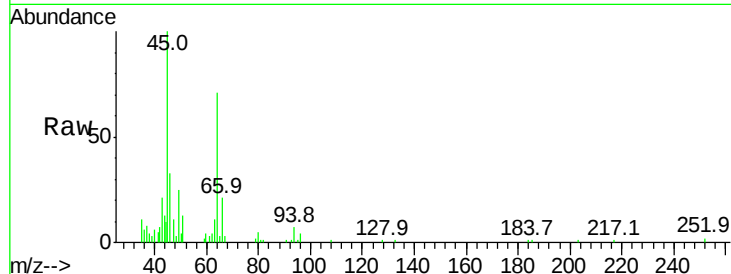
151 74.6 58.9 88.3





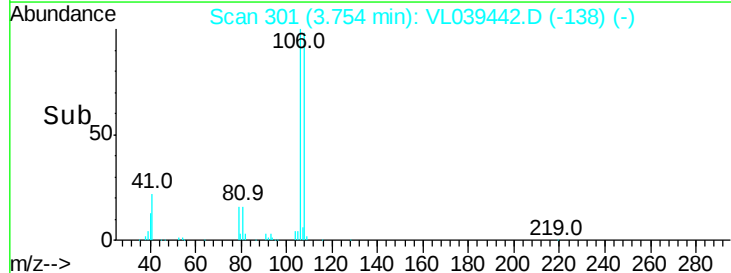
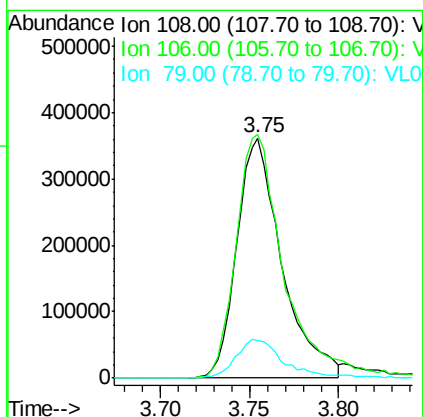
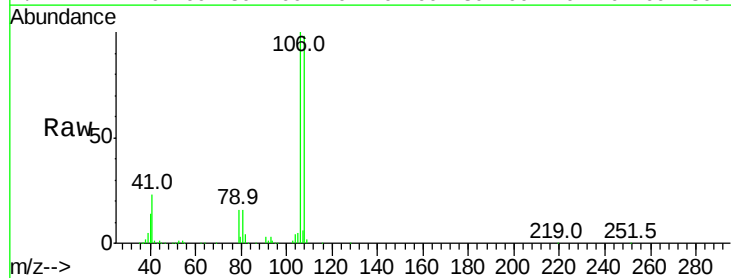
#13
Ethanol
Concen: 5.53 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010
Acq: 12 Jul 2022 10:13

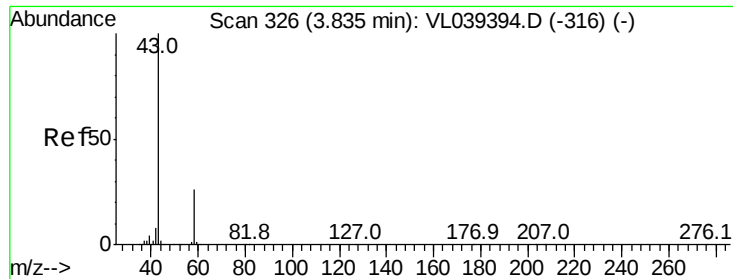
Tgt Ion: 45 Resp: 22939
Ion Ratio Lower Upper
45 100
46 81.5 22.8 91.2



#14
Bromoethene
Concen: 10.13 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.03 min
Lab File: VL039442.D
Acq: 12 Jul 2022 10:13

Tgt Ion: 108 Resp: 636318
Ion Ratio Lower Upper
108 100
106 109.8 87.1 130.7
79 17.6 14.6 22.0





#15

Acetone

Concen: 9.92 ppbv

RT: 3.86

Delta R.T.

Lab File:

Acq: 12 Jul 2022 10:13

Instrument :

MSVOA_1

ClientSampleId :

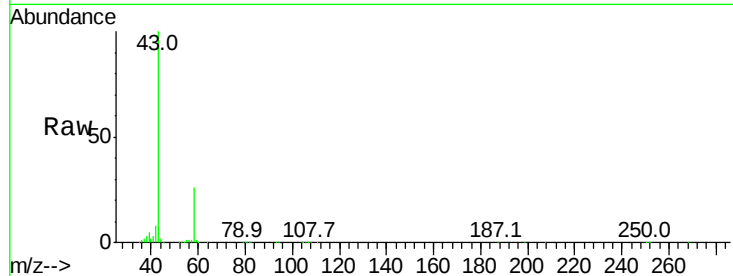
VSTDCCC010

Tgt Ion: 43 Resp: 1463437

Ion Ratio Lower Upper

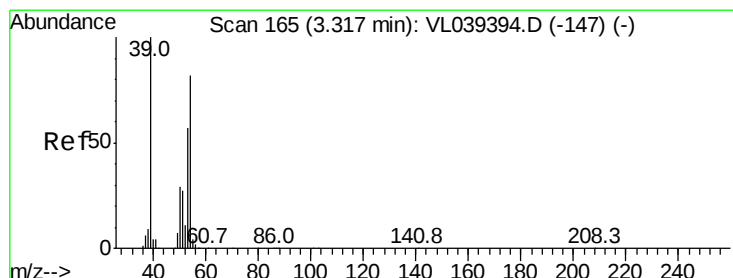
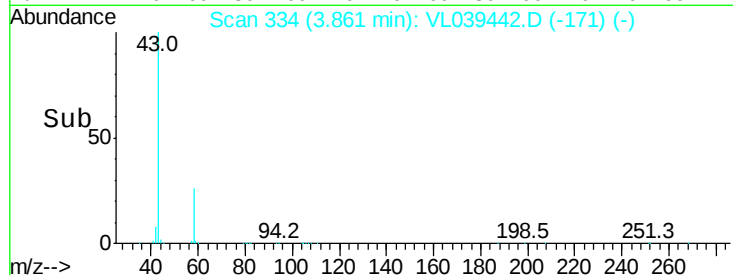
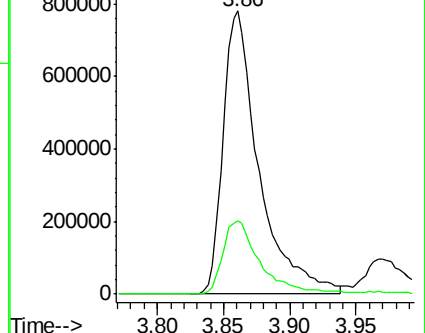
43 100

58 27.2 21.0 31.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.49 ppbv

RT: 3.34 min Scan# 172

Delta R.T. 0.02 min

Lab File: VL039442.D

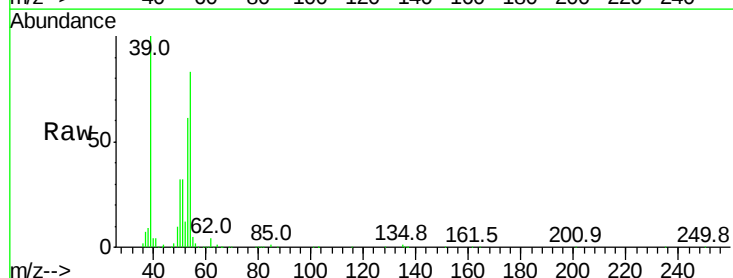
Acq: 12 Jul 2022 10:13

Tgt Ion: 39 Resp: 802760

Ion Ratio Lower Upper

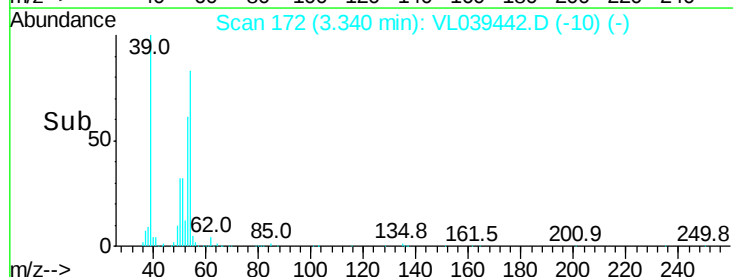
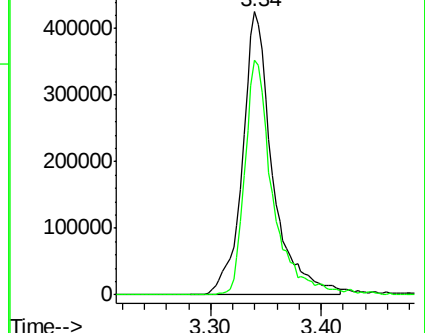
39 100

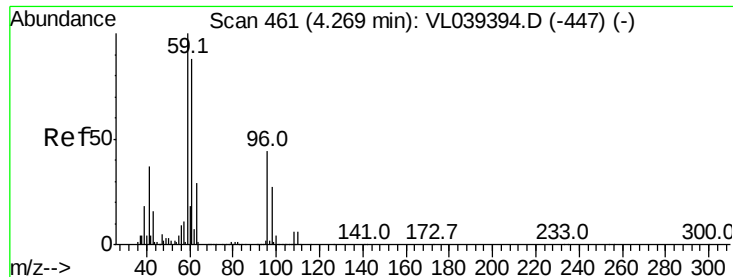
54 77.8 63.7 95.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.34 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

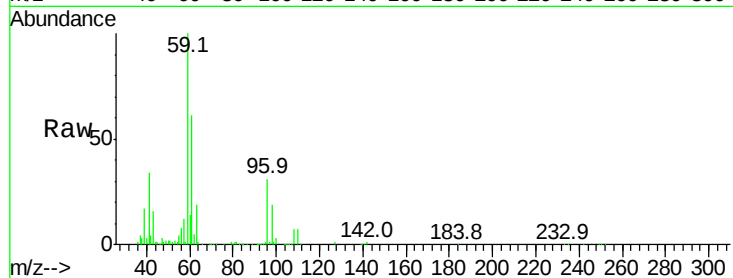
Acq: 12 Jul 2022 10:13 VSTDCCC010

Tgt Ion: 59 Resp: 1420467

Ion Ratio Lower Upper

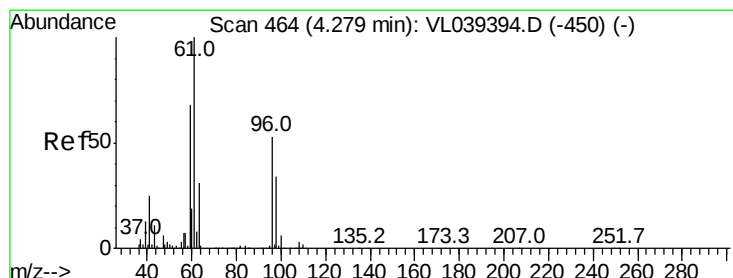
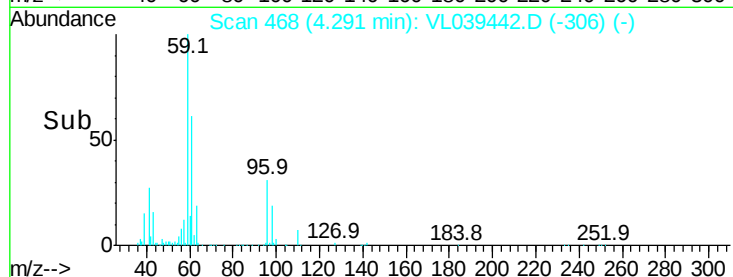
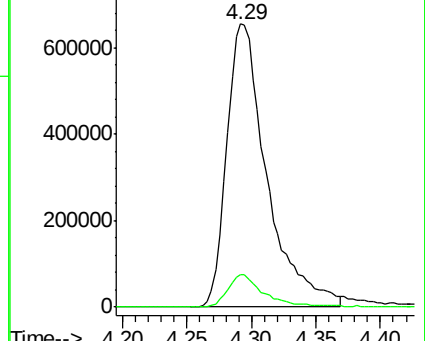
59 100

57 10.8 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: 10.00 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.02 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

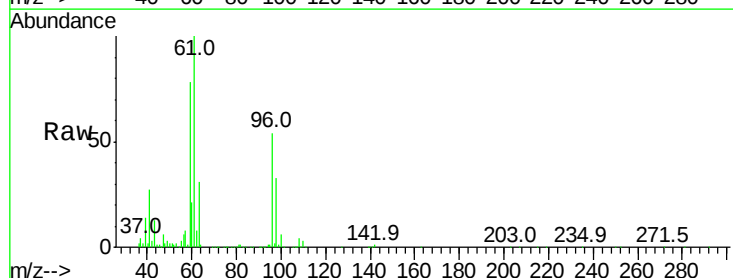
Tgt Ion: 96 Resp: 676746

Ion Ratio Lower Upper

96 100

61 185.7 152.2 228.4

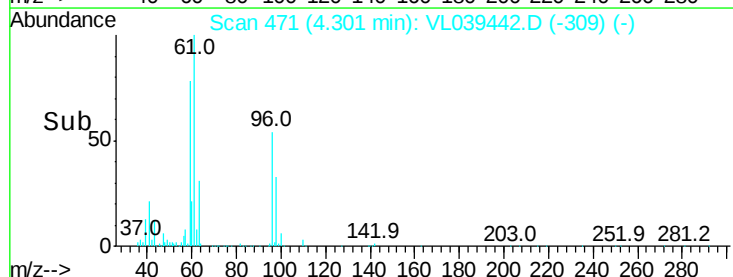
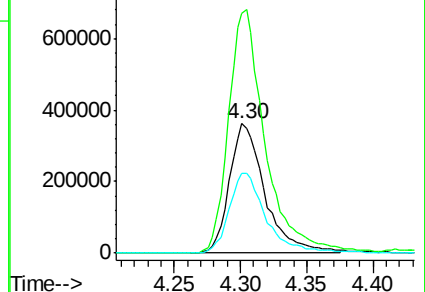
98 61.8 51.8 77.6

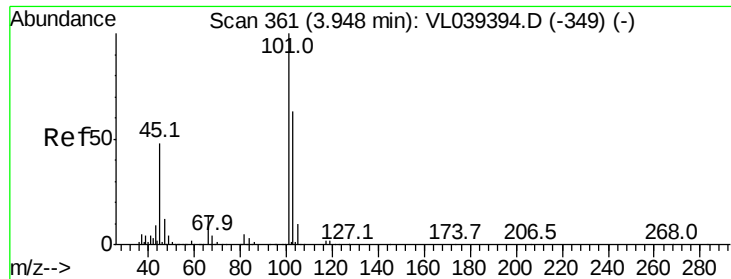


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.48 ppbv

RT: 3.97 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

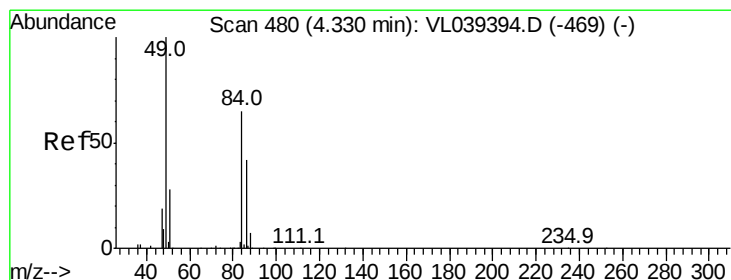
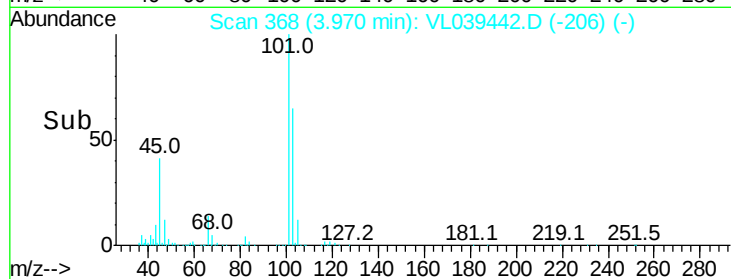
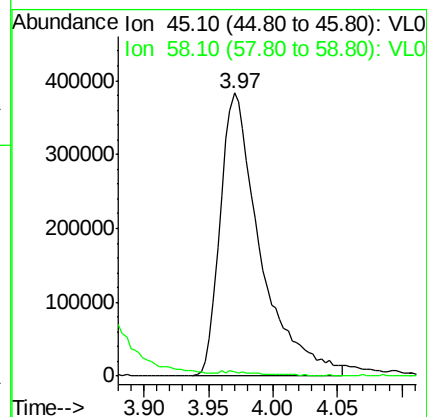
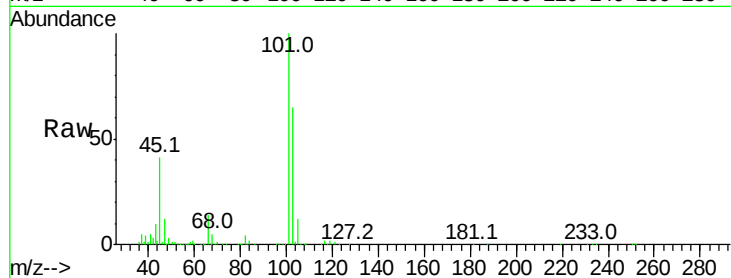
Acq: 12 Jul 2022 10:13

Tgt Ion: 45 Resp: 825008

Ion Ratio Lower Upper

45 100

58 2.3 3.2 4.8#



#20

Methylene Chloride

Concen: 9.01 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.03 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

Tgt Ion: 84 Resp: 530044

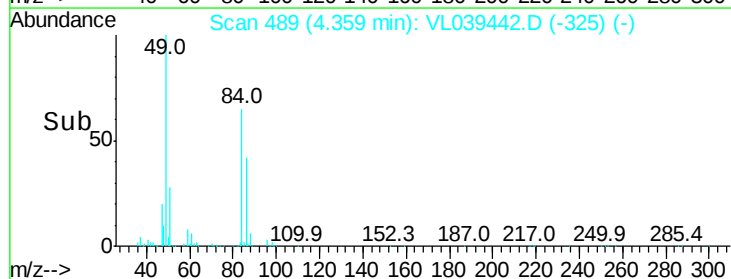
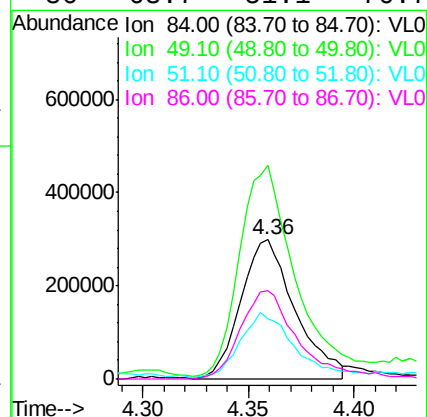
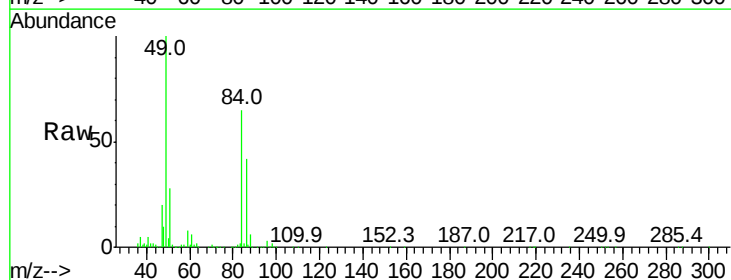
Ion Ratio Lower Upper

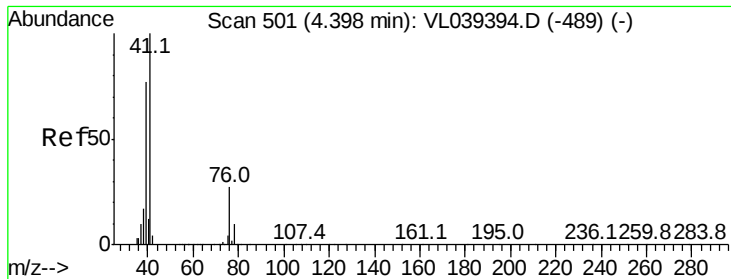
84 100

49 151.8 123.1 184.7

51 42.1 34.4 51.6

86 63.7 51.1 76.7





#21

Allyl Chloride

Concen: 10.33 ppbv

RT: 4.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13 VSTDCCC010

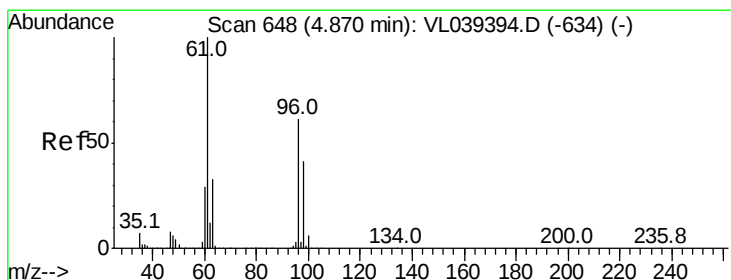
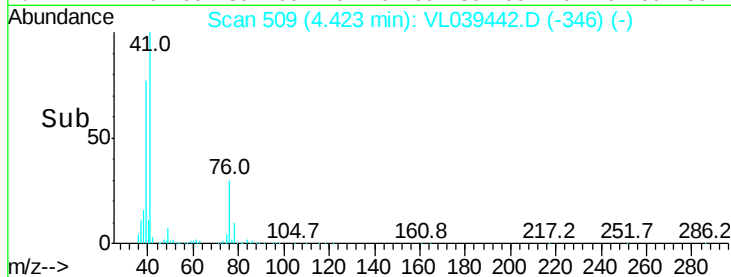
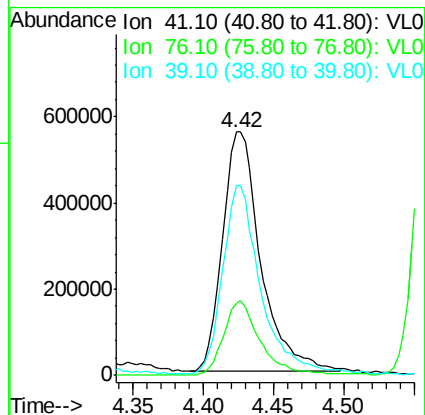
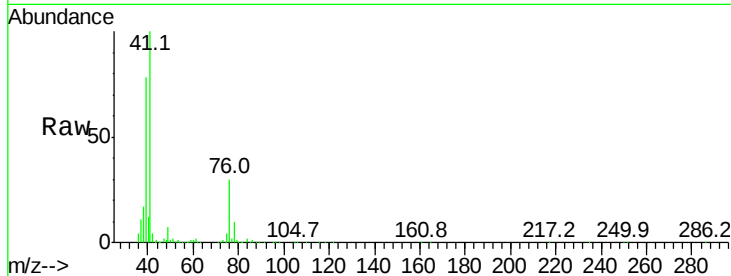
Tgt Ion: 41 Resp: 1055451

Ion Ratio Lower Upper

41 100

76 30.4 24.4 36.6

39 79.5 63.5 95.3



#22

trans-1,2-Dichloroethene

Concen: 10.32 ppbv

RT: 4.90 min Scan# 657

Delta R.T. 0.03 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

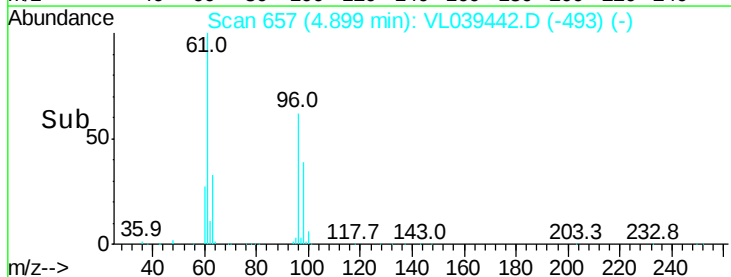
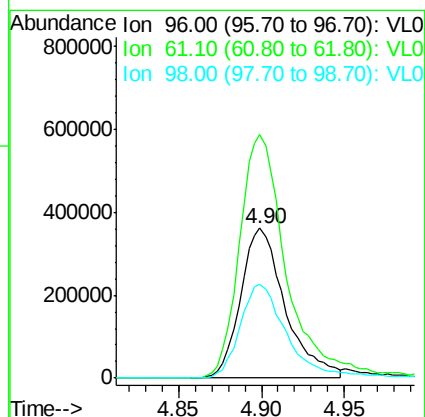
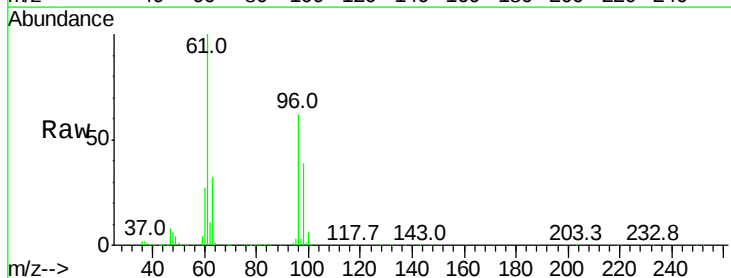
Tgt Ion: 96 Resp: 676278

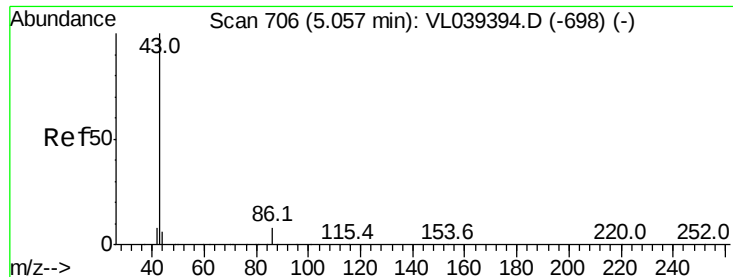
Ion Ratio Lower Upper

96 100

61 162.3 130.6 195.8

98 62.6 53.4 80.0





#23

Vinyl Acetate

Concen: 11.80 ppbv

RT: 5.08 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13 VSTDCCC010

Tgt Ion: 43 Resp: 1163406

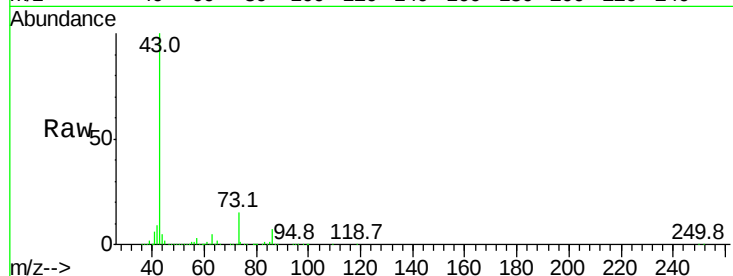
Ion Ratio Lower Upper

43 100

86 6.5 5.0 7.6

42 8.7 7.7 11.5

44 5.4 4.6 7.0

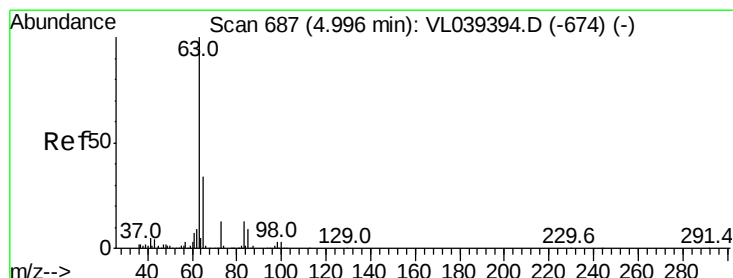
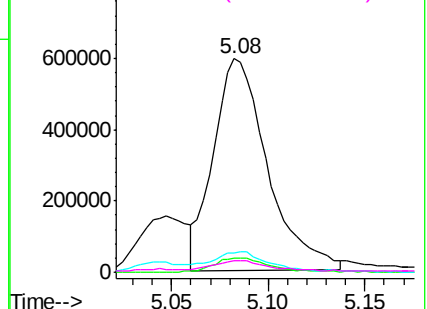
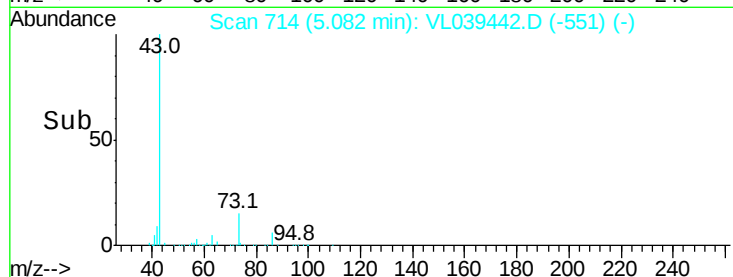


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.10 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.03 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

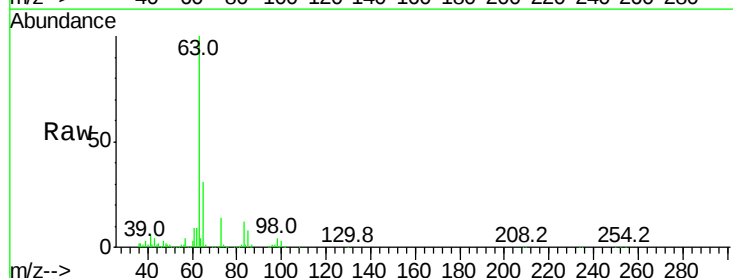
Tgt Ion: 63 Resp: 1407029

Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.3

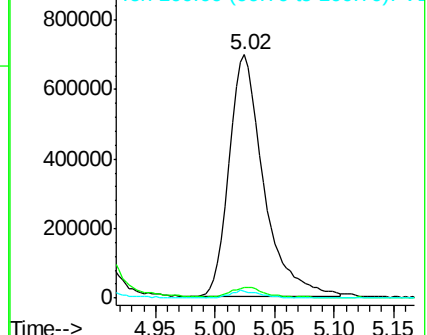
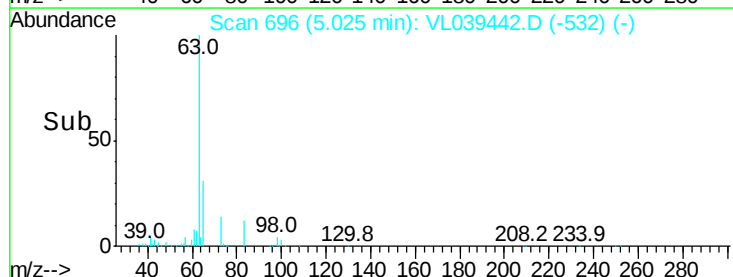
100 3.0 1.5 4.4

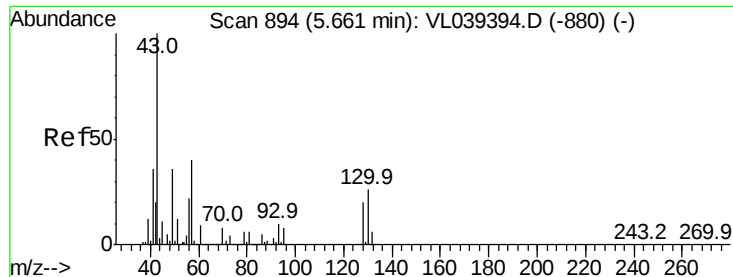


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

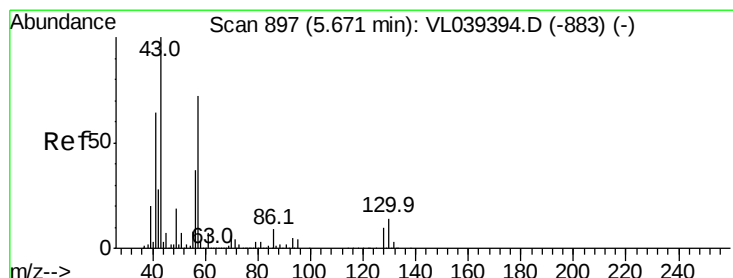
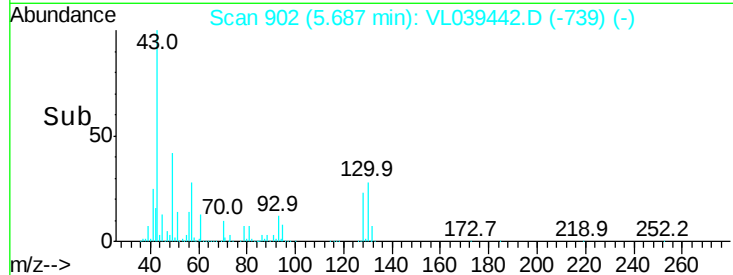
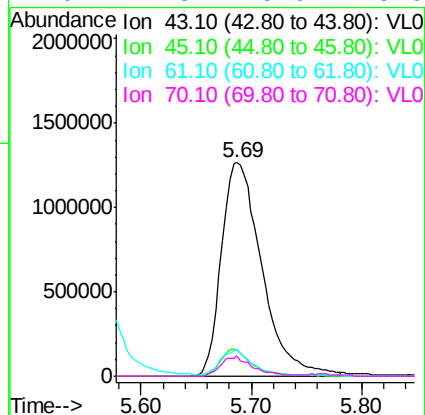
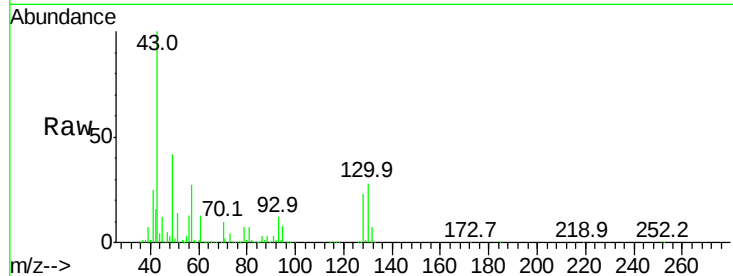




#25
Ethyl Acetate
Concen: 10.58 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Jul 2022 10:13
VSTDCCC010

Tgt Ion: 43 Resp: 3202122

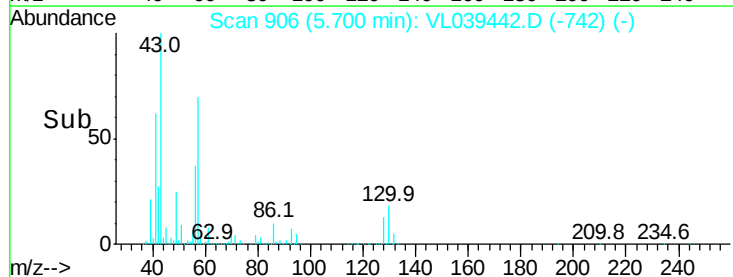
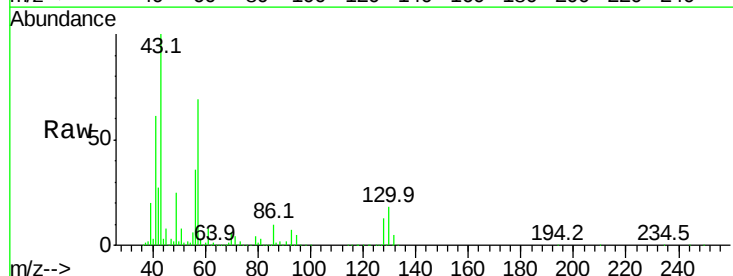
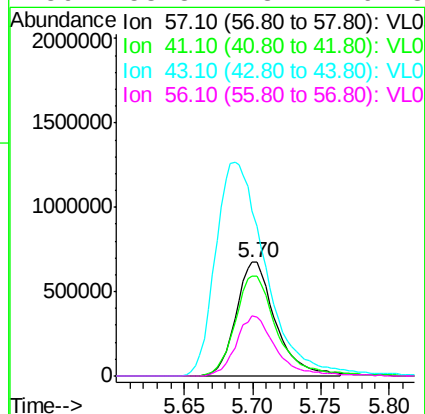
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	10.3	8.3	12.5
70	7.3	5.9	8.9

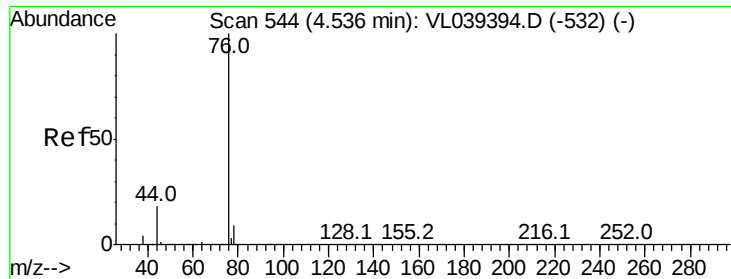


#26
Hexane
Concen: 11.09 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL039442.D
Acq: 12 Jul 2022 10:13

Tgt Ion: 57 Resp: 1352055

Ion	Ratio	Lower	Upper
57	100		
41	94.1	76.9	115.3
43	240.1	191.0	286.6
56	53.8	43.2	64.8





#27

Carbon Disulfide

Concen: 11.28 ppbv

RT: 4.56 Instrument: MSVOA_1

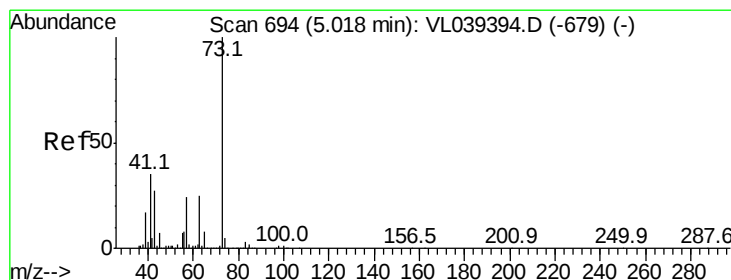
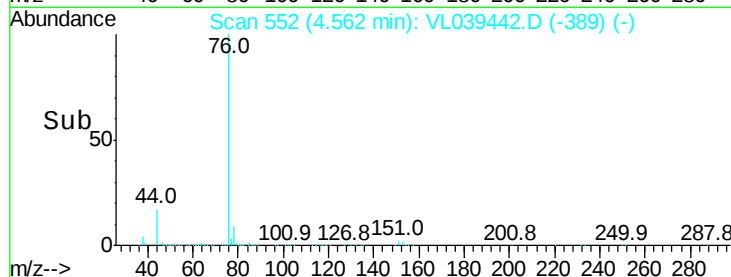
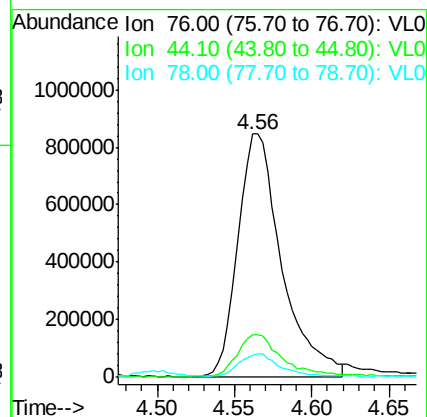
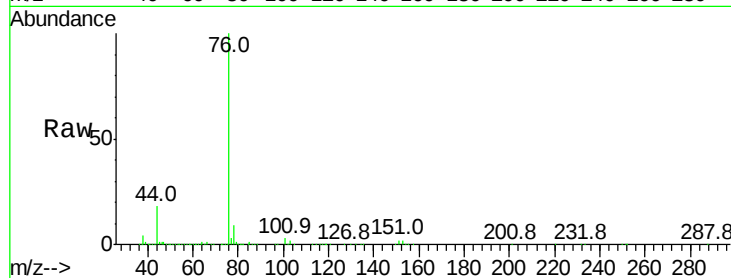
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010

Acq: 12 Jul 2022 10:13

Tgt Ion: 76 Resp: 1661076

Ion	Ratio	Lower	Upper
76	100		
44	19.0	14.6	21.8
78	10.2	7.8	11.6



#28

Methyl tert-Butyl Ether

Concen: 10.28 ppbv

RT: 5.05 min Scan# 704

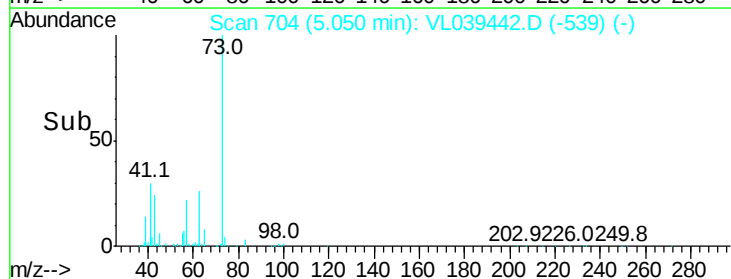
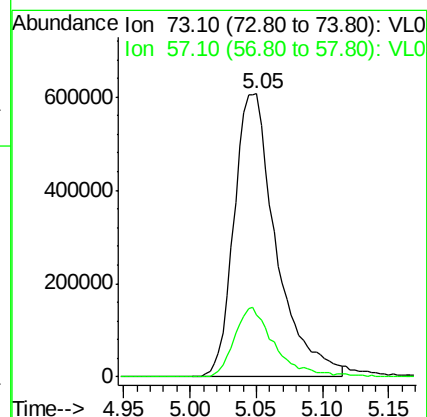
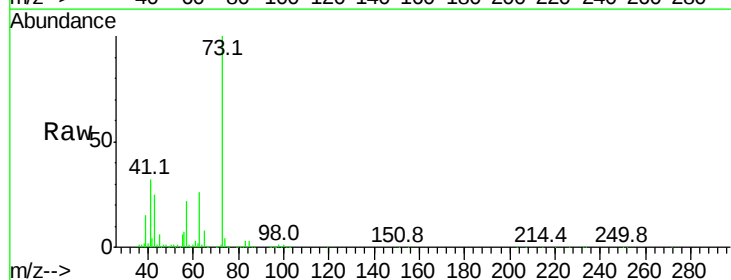
Delta R.T. 0.03 min

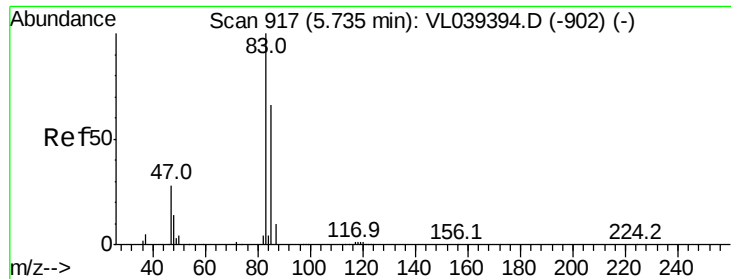
Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

Tgt Ion: 73 Resp: 1339954

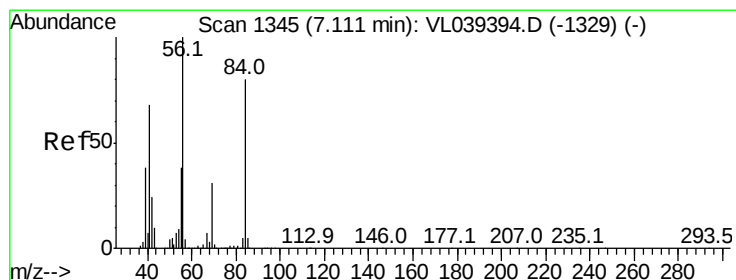
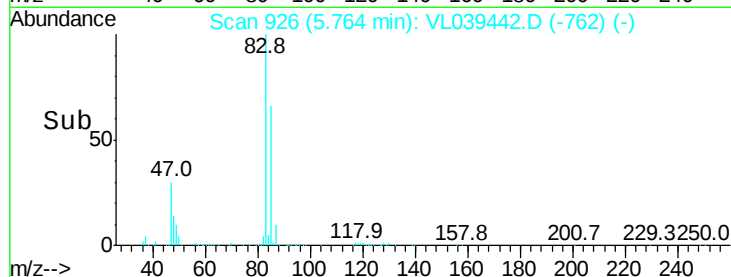
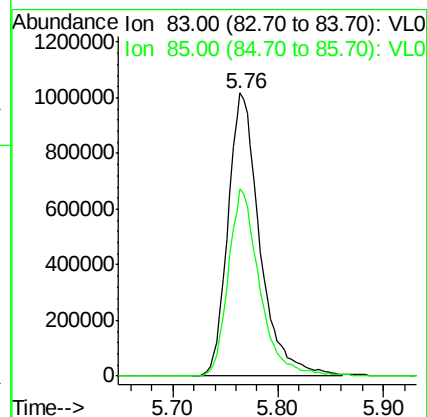
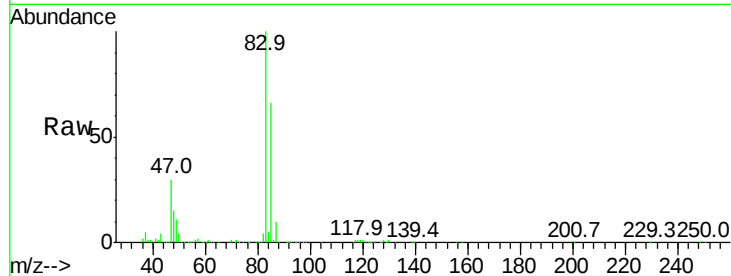
Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.8	29.8





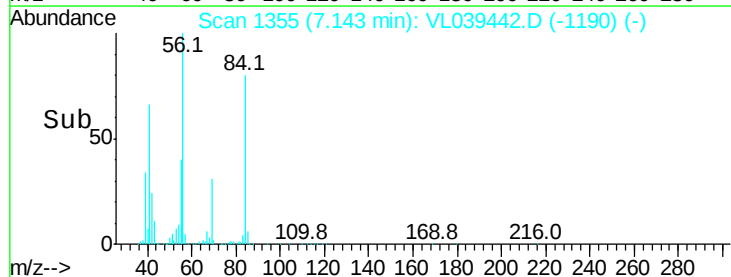
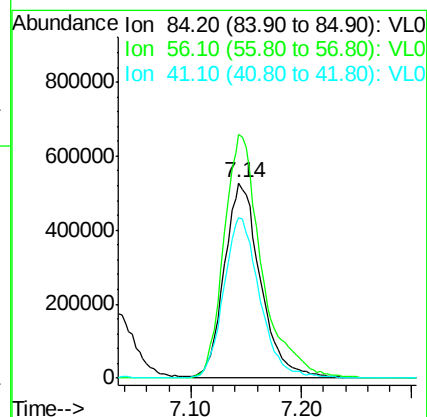
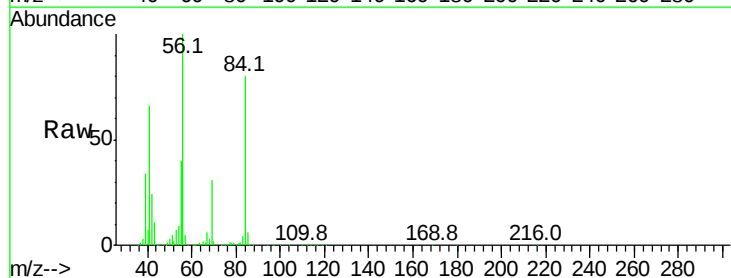
#29
Chloroform
Concen: 10.03 ppbv
RT: 5.76
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010
Acq: 12 Jul 2022 10:13

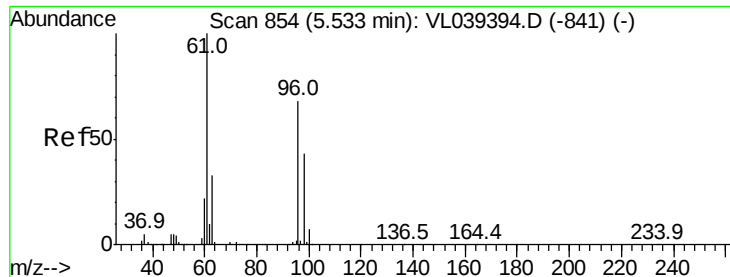
Tgt Ion: 83 Resp: 2126385
Ion Ratio Lower Upper
83 100
85 66.1 52.8 79.2



#30
Cyclohexane
Concen: 10.65 ppbv
RT: 7.14 min Scan# 1355
Delta R.T.: 0.03 min
Lab File: VL039442.D
Acq: 12 Jul 2022 10:13

Tgt Ion: 84 Resp: 1182124
Ion Ratio Lower Upper
84 100
56 132.4 107.7 161.5
41 83.5 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 10.53 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13 VSTDCCC010

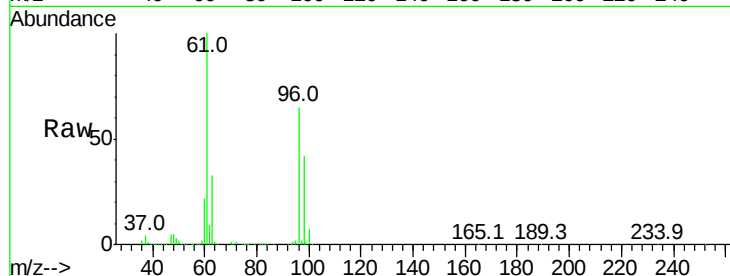
Tgt Ion: 61 Resp: 1362465

Ion Ratio Lower Upper

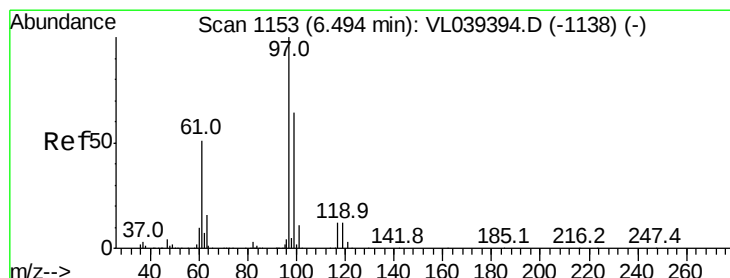
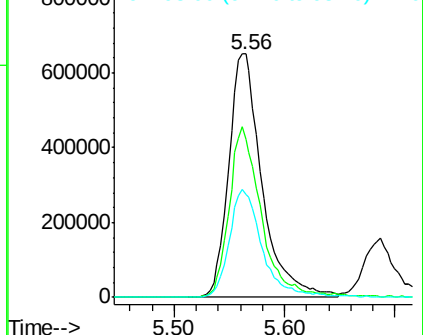
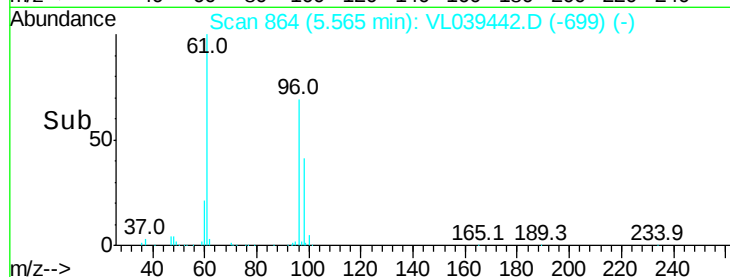
61 100

96 64.7 54.1 81.1

98 42.3 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: 10.38 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.03 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

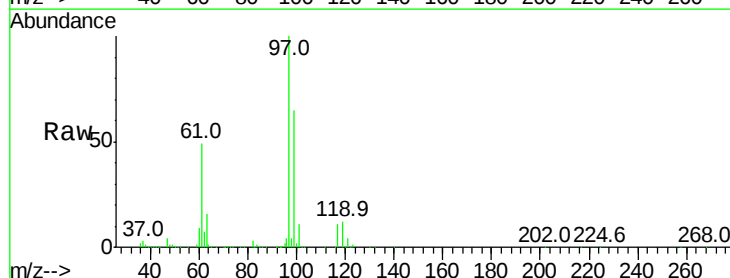
Tgt Ion: 97 Resp: 2172958

Ion Ratio Lower Upper

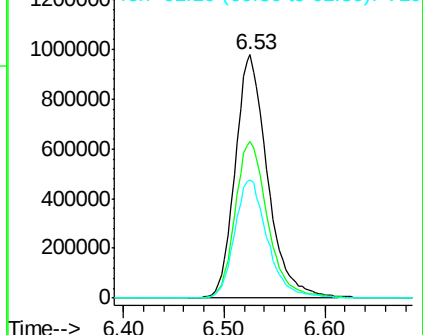
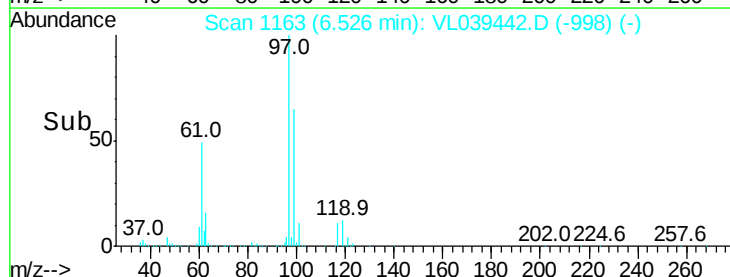
97 100

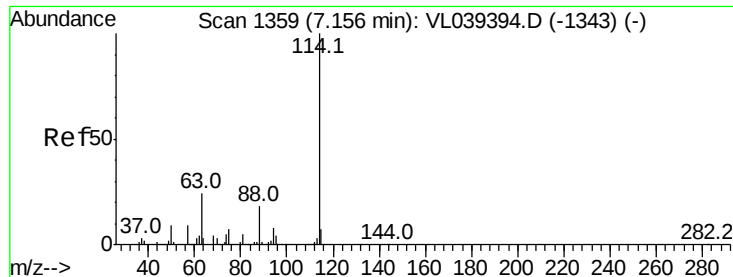
99 65.3 52.3 78.5

61 49.6 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

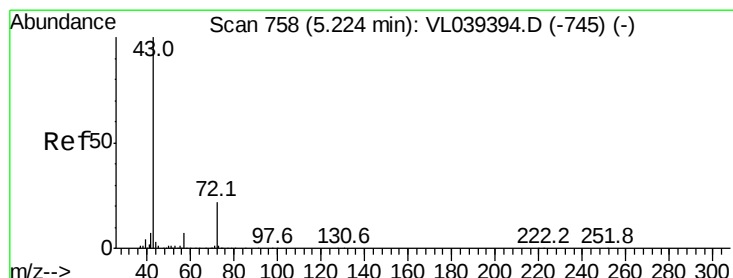
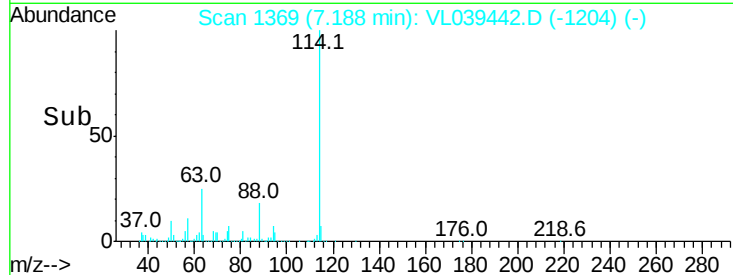
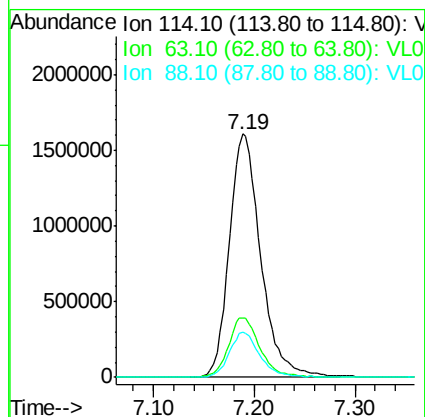
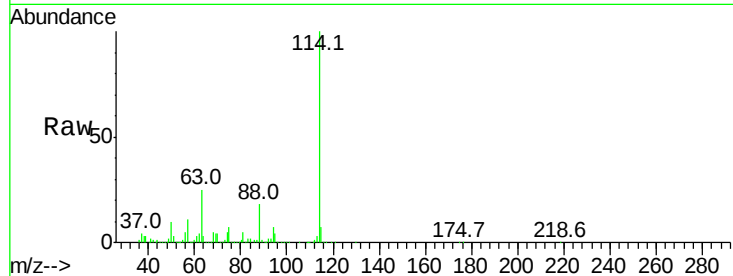




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.19
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 12 Jul 2022 10:13

Tgt Ion: 114 Resp: 3497827

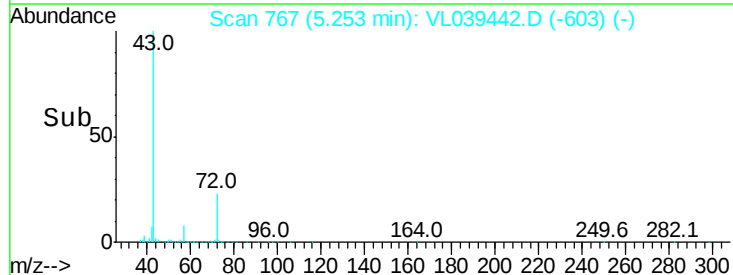
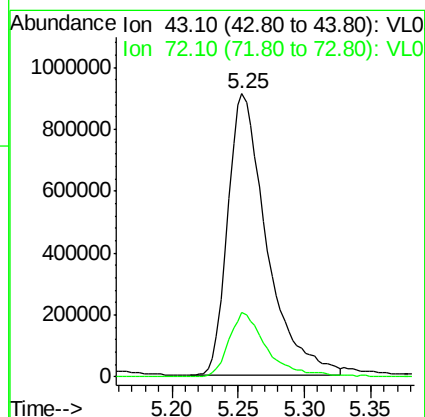
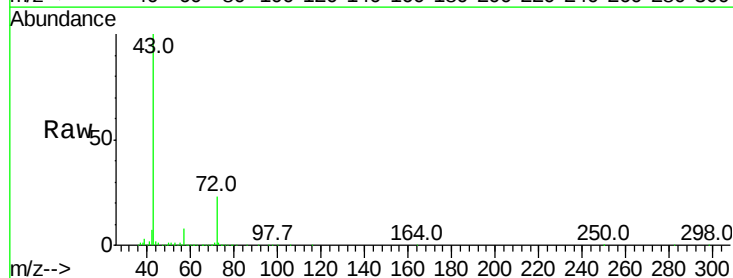
Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.4
88	18.2	14.5	21.7

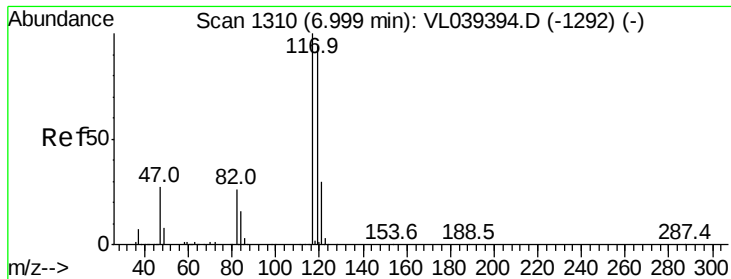


#34
 2-Butanone
 Concen: 10.55 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T.: 0.03 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

Tgt Ion: 43 Resp: 1857003

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.9	26.9





#35

Carbon Tetrachloride

Concen: 10.75 ppbv

RT: 7.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13

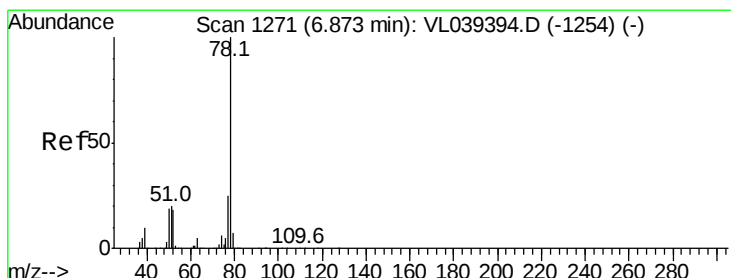
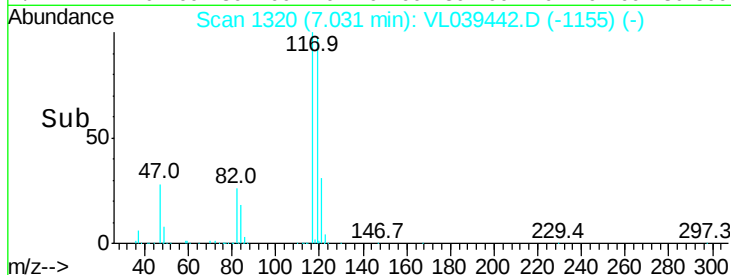
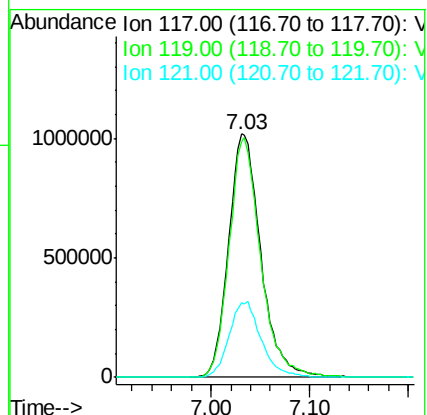
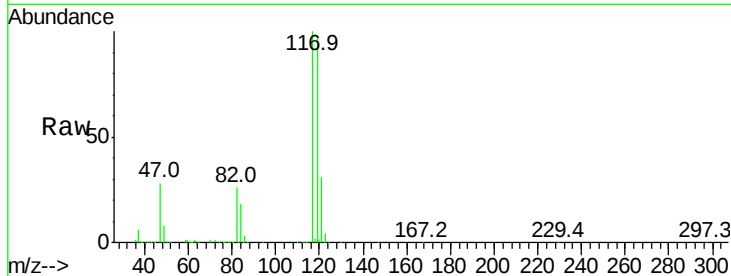
Tgt Ion: 117 Resp: 2322393

Ion Ratio Lower Upper

117 100

119 96.8 75.4 113.2

121 30.5 24.2 36.2



#36

Benzene

Concen: 10.48 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

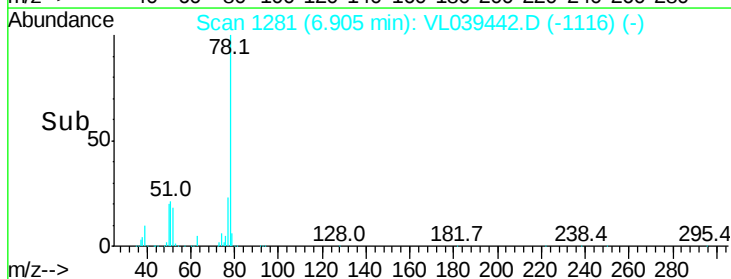
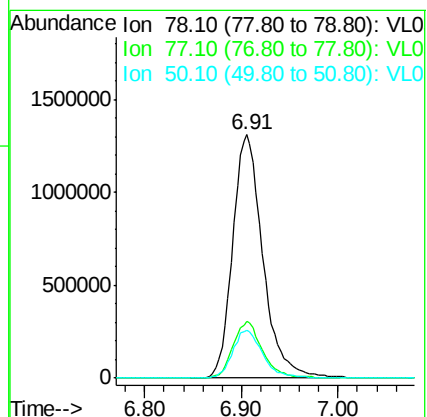
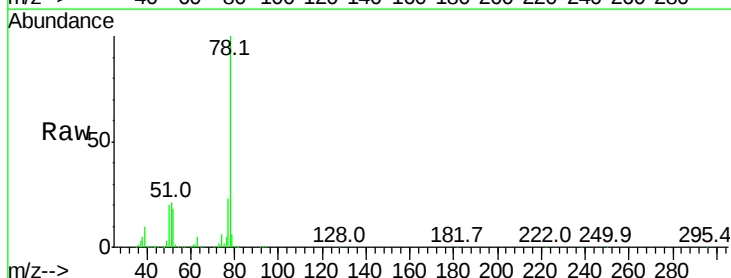
Tgt Ion: 78 Resp: 2835816

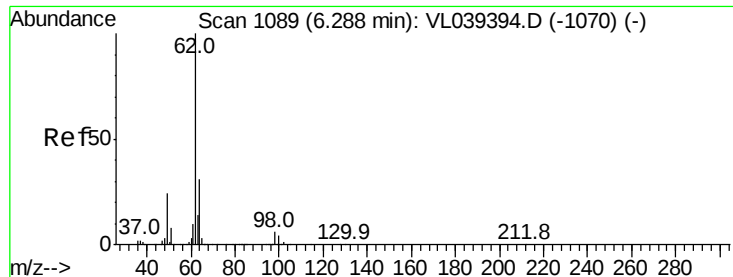
Ion Ratio Lower Upper

78 100

77 23.4 20.3 30.5

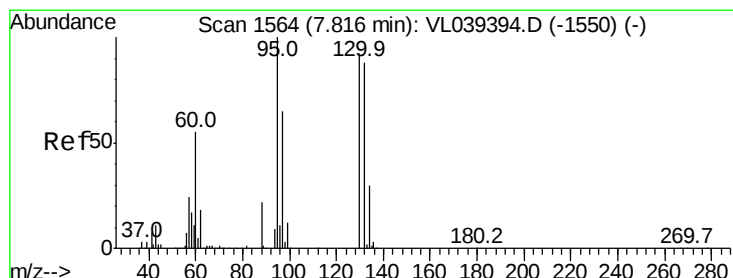
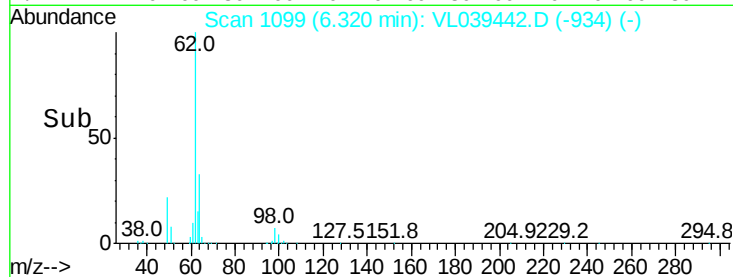
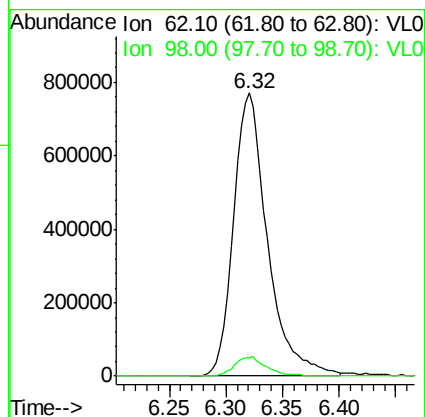
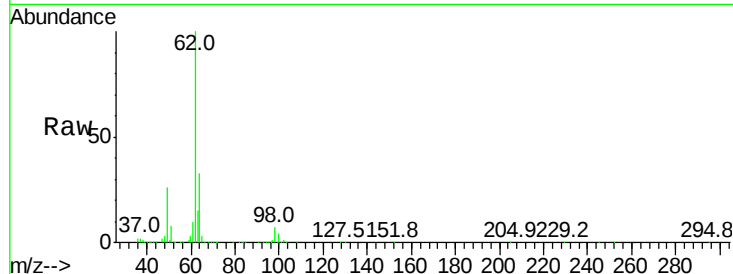
50 19.6 15.5 23.3





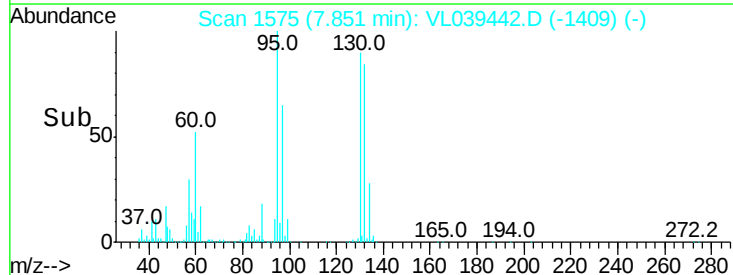
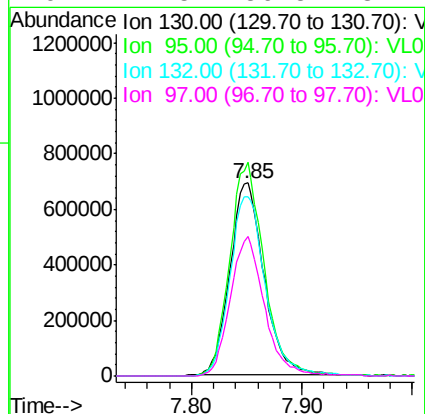
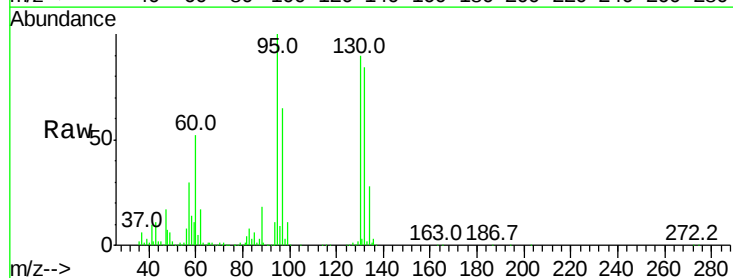
#37
 1,2-Dichloroethane
 Concen: 10.09 ppbv
 RT: 6.32
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 12 Jul 2022 10:13

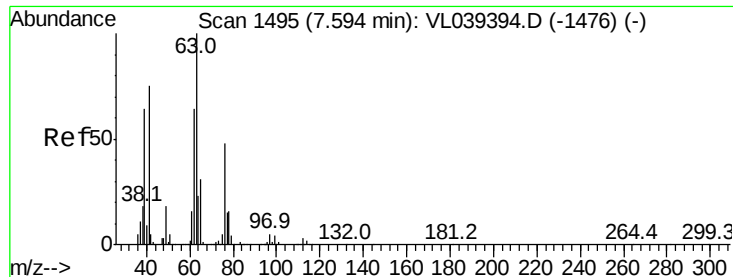
Tgt Ion: 62 Resp: 1612267
 Ion Ratio Lower Upper
 62 100
 98 6.6 5.1 7.7



#38
 Trichloroethene
 Concen: 10.16 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.04 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

Tgt Ion: 130 Resp: 1488244
 Ion Ratio Lower Upper
 130 100
 95 111.0 87.3 130.9
 132 93.1 76.7 115.1
 97 72.5 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.45 ppbv

RT: 7.63 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13 VSTDCCC010

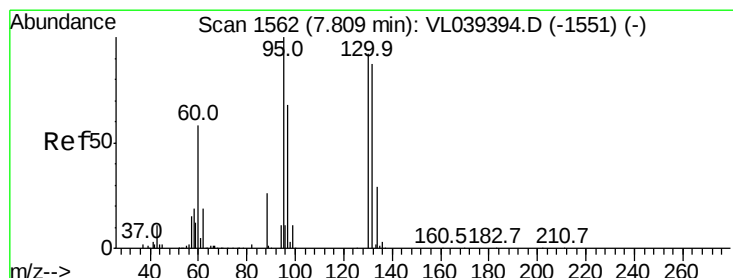
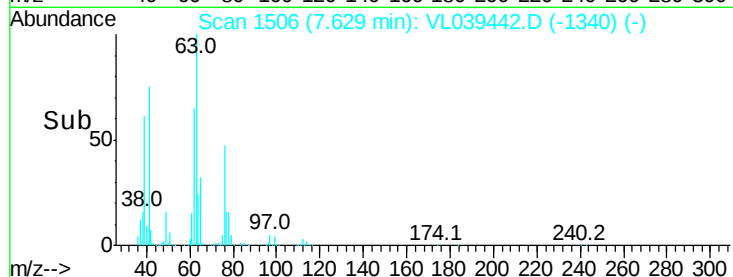
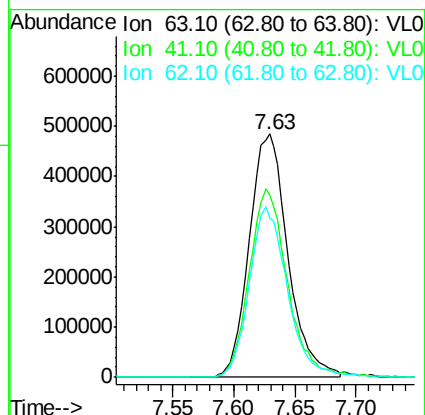
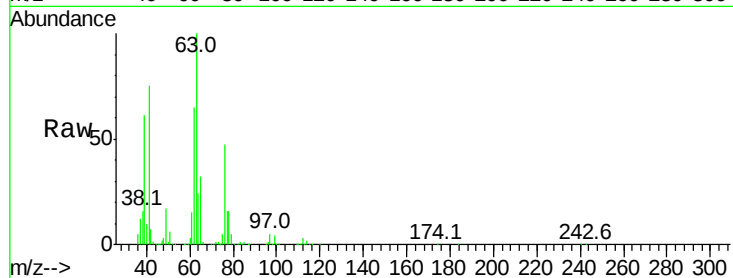
Tgt Ion: 63 Resp: 1056398

Ion Ratio Lower Upper

63 100

41 74.8 59.6 89.4

62 65.4 51.4 77.0



#40

1,4-Dioxane

Concen: 10.35 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.03 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

Tgt Ion: 88 Resp: 417034

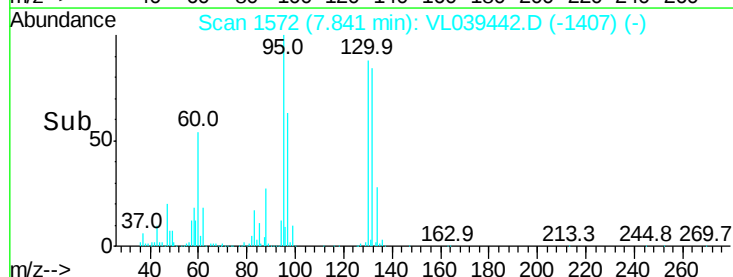
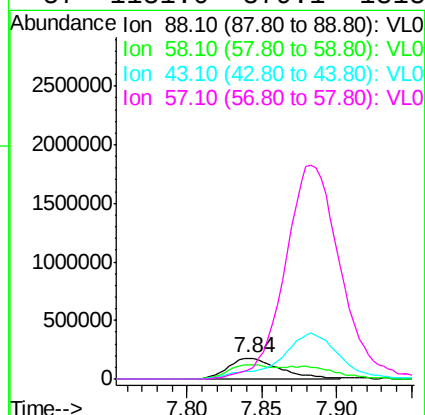
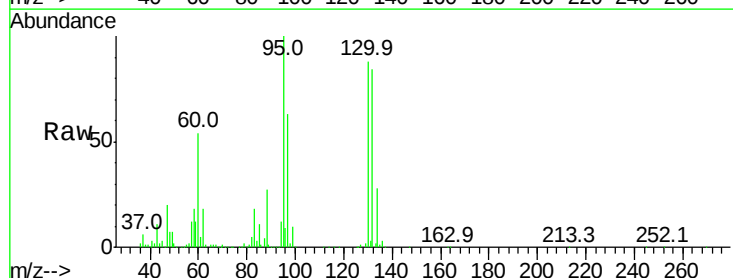
Ion Ratio Lower Upper

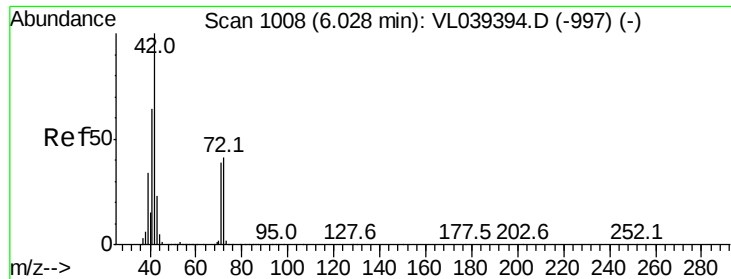
88 100

58 126.4 100.2 150.4

43 260.2 205.8 308.6

57 1131.0 879.1 1318.7





#41

Tetrahydrofuran

Concen: 10.95 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13 VSTDCCC010

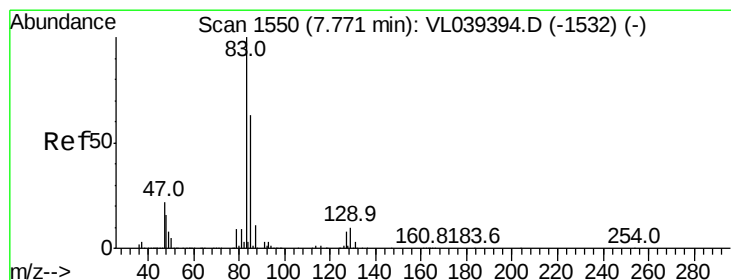
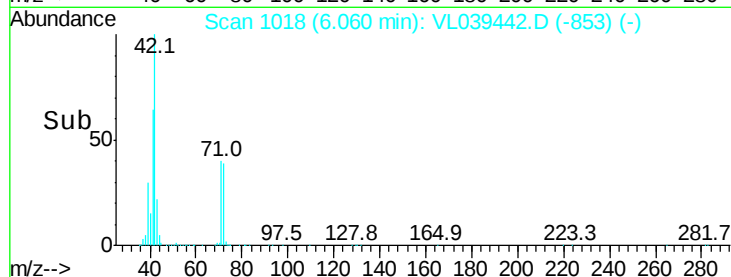
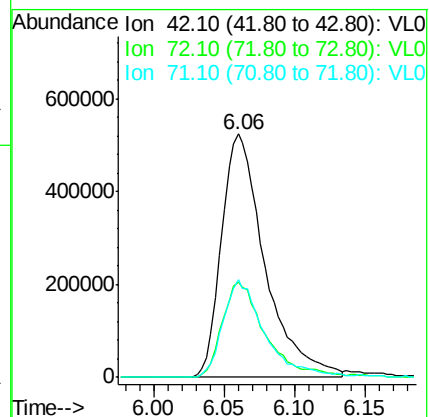
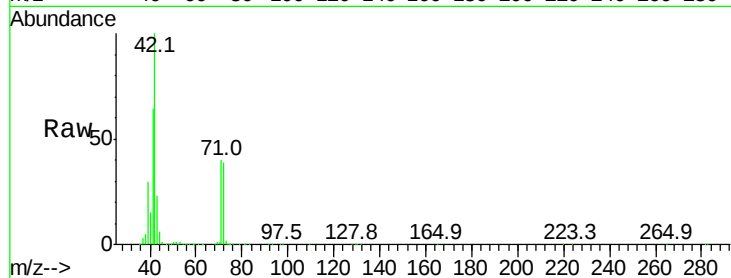
Tgt Ion: 42 Resp: 1116959

Ion Ratio Lower Upper

42 100

72 40.2 31.8 47.8

71 39.3 31.8 47.8



#42

Bromodichloromethane

Concen: 10.90 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.04 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

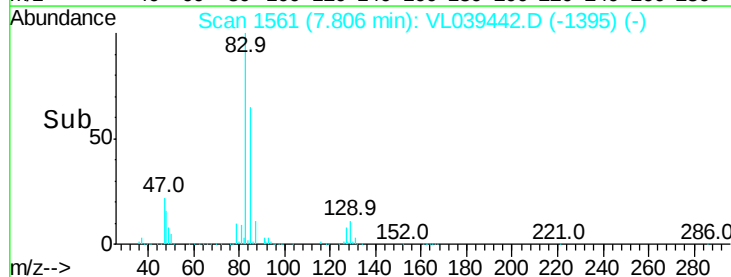
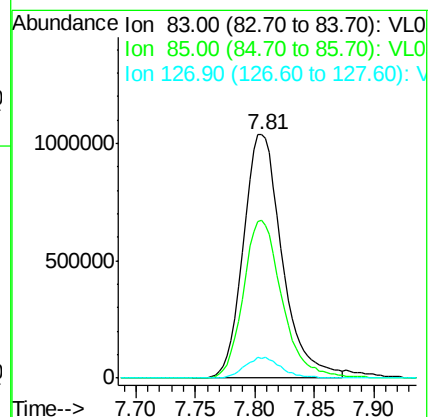
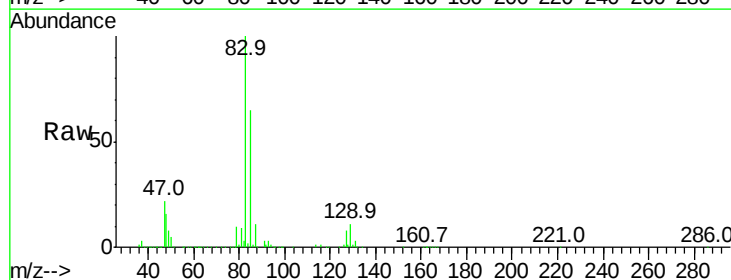
Tgt Ion: 83 Resp: 2347646

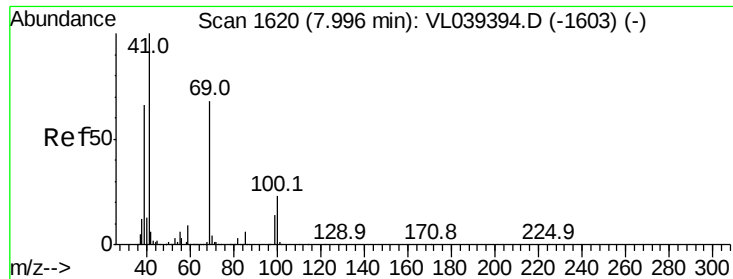
Ion Ratio Lower Upper

83 100

85 64.6 50.7 76.1

127 8.2 6.6 9.8

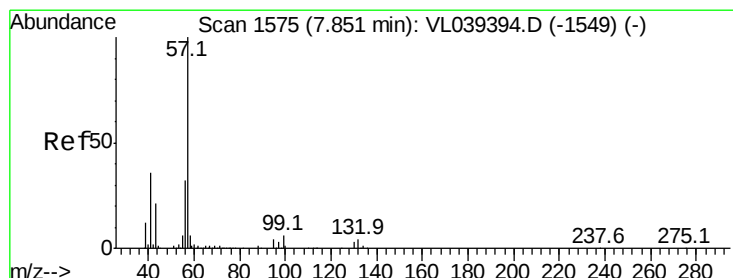
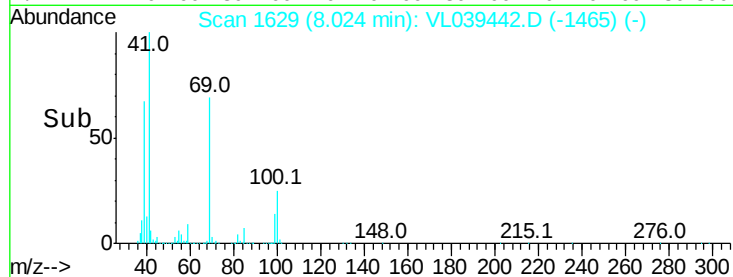
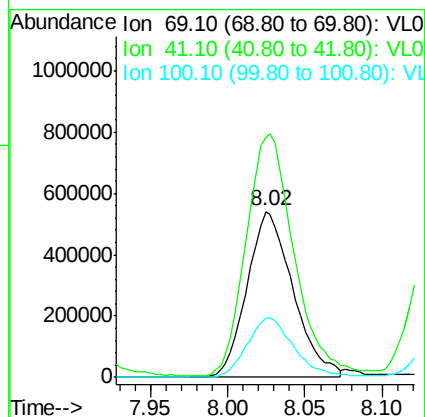
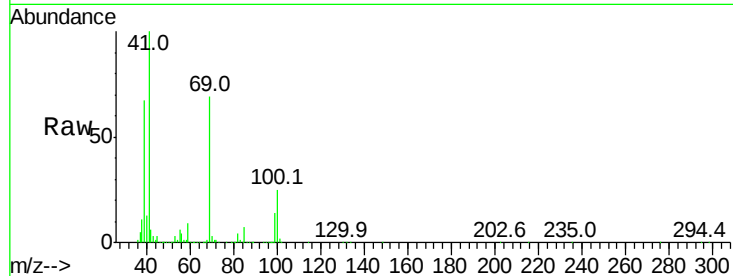




#43
Methyl Methacrylate
Concen: 10.87 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010
Acq: 12 Jul 2022 10:13

Tgt Ion: 69 Resp: 1118405

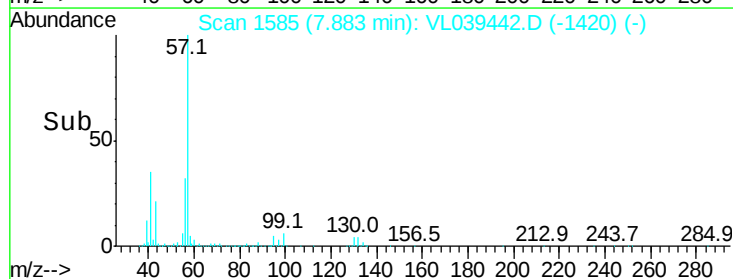
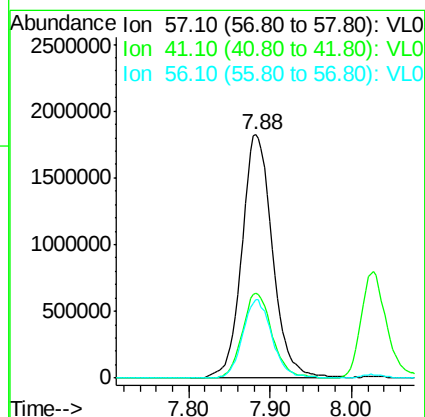
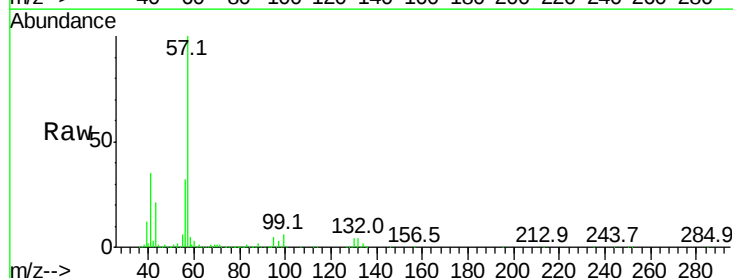
Ion	Ratio	Lower	Upper
69	100		
41	154.4	120.8	181.2
100	36.9	27.8	41.6

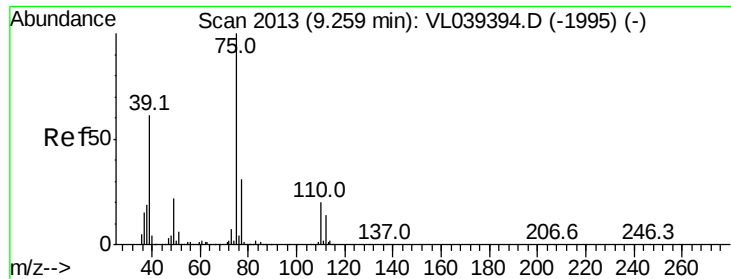


#44
2,2,4-Trimethylpentane
Concen: 10.27 ppbv
RT: 7.88 min Scan# 1585
Delta R.T.: 0.03 min
Lab File: VL039442.D
Acq: 12 Jul 2022 10:13

Tgt Ion: 57 Resp: 4711438

Ion	Ratio	Lower	Upper
57	100		
41	33.8	27.4	41.2
56	30.9	24.5	36.7





#45

t-1,3-Dichloropropene

Concen: 13.14 ppbv

RT: 9.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

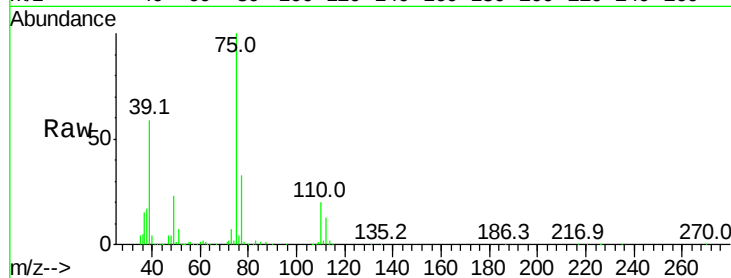
Acq: 12 Jul 2022 10:13 VSTDCCC010

Tgt Ion: 75 Resp: 1204493

Ion Ratio Lower Upper

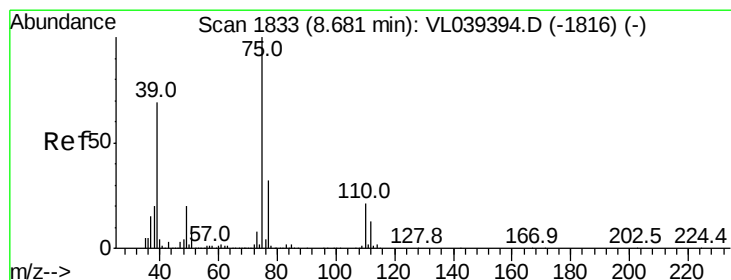
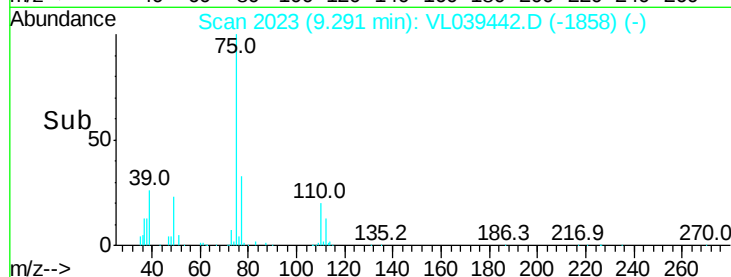
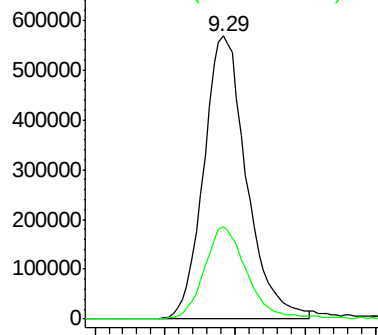
75 100

77 32.9 24.6 36.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 12.30 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.04 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

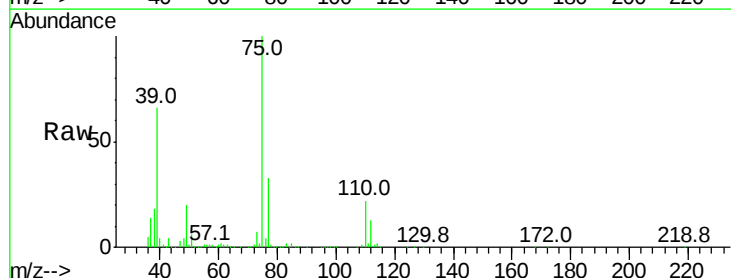
Tgt Ion: 75 Resp: 1551296

Ion Ratio Lower Upper

75 100

39 65.8 55.0 82.4

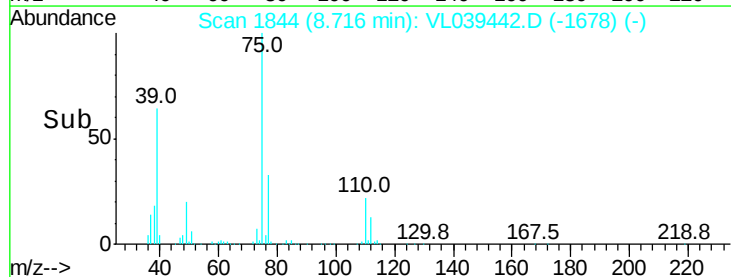
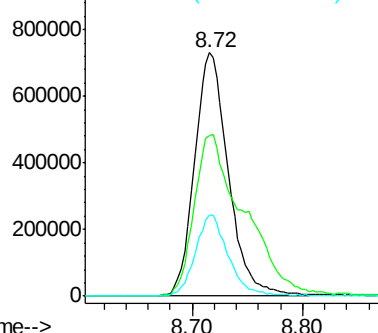
77 33.0 25.7 38.5

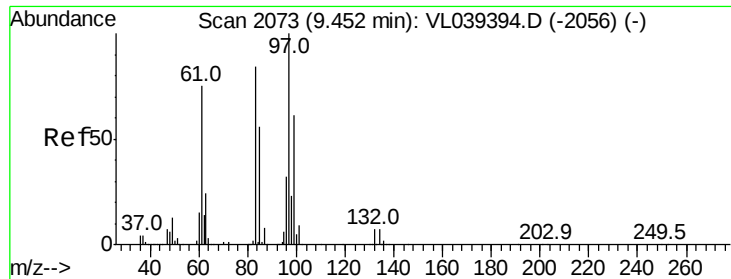


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

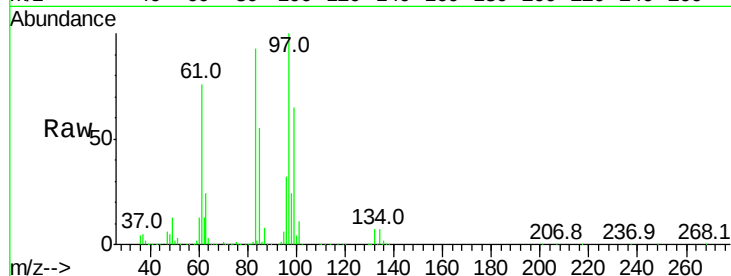




#47
 1,1,2-Trichloroethane
 Concen: 10.24 ppbv
 RT: 9.49 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 12 Jul 2022 10:13

Tgt Ion: 97 Resp: 1161599

Ion	Ratio	Lower	Upper
97	100		
83	93.1	67.4	101.0
85	54.7	45.1	67.7
99	64.9	48.6	73.0

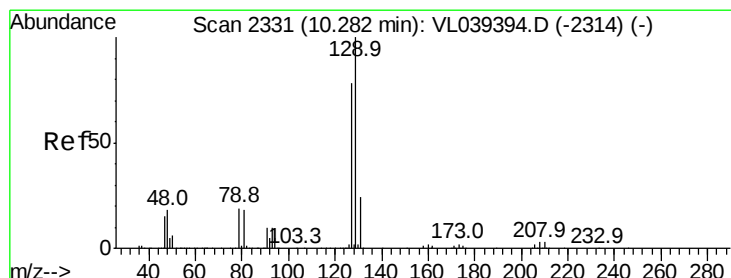
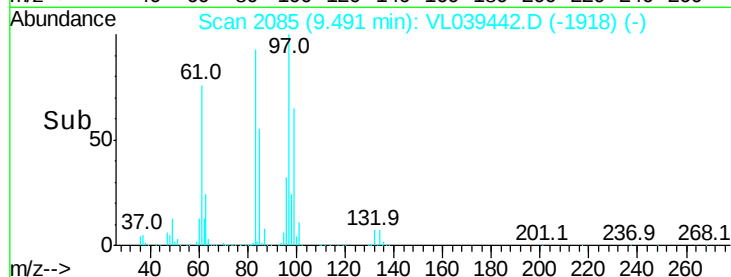
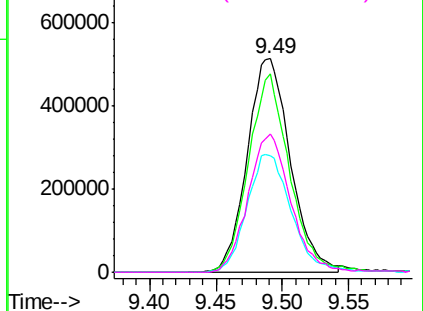


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

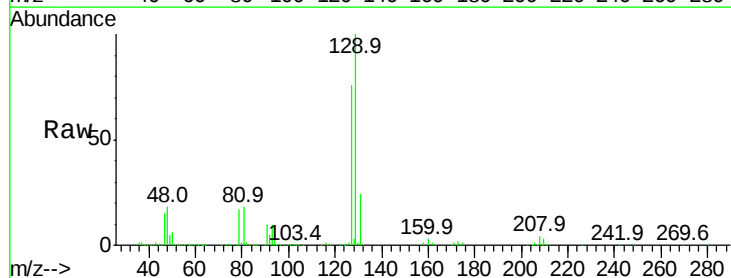
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.79 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.04 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

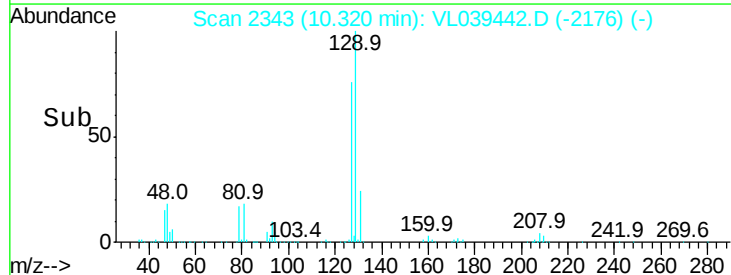
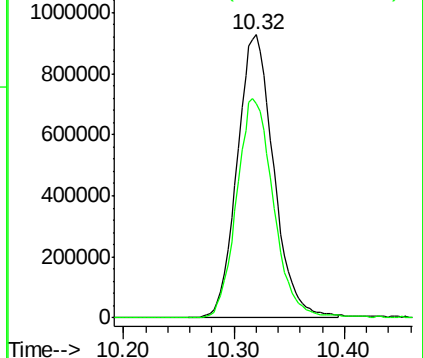
Tgt Ion: 129 Resp: 2127247

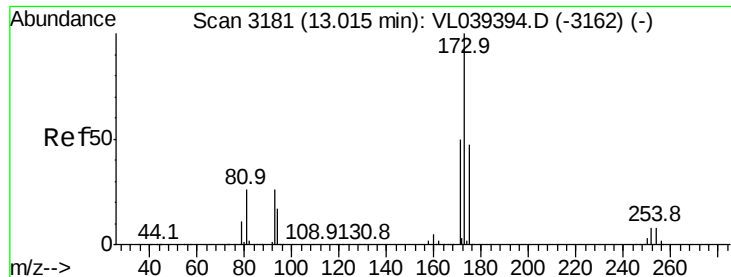
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.34 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 10:13

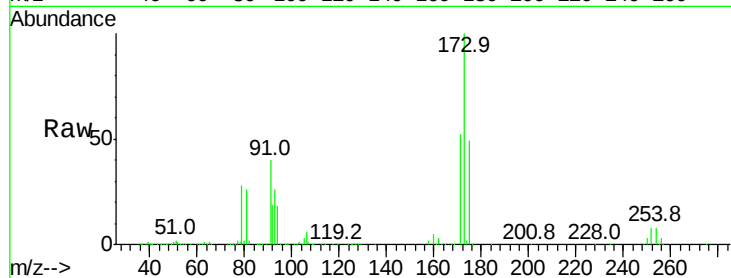
Tgt Ion:173 Resp: 1795330

Ion Ratio Lower Upper

173 100

175 50.1 40.3 60.5

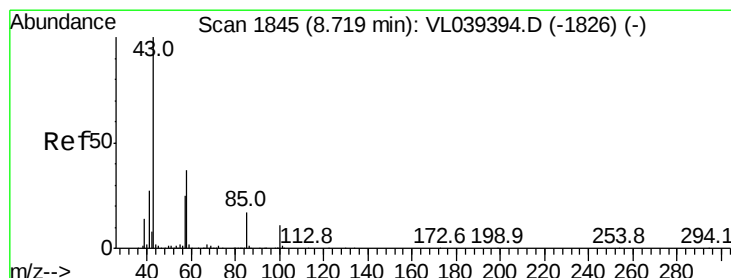
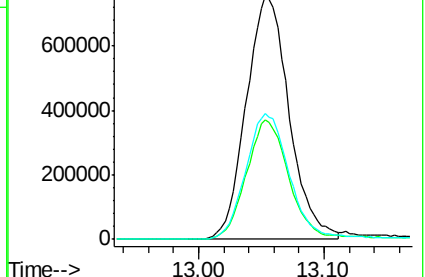
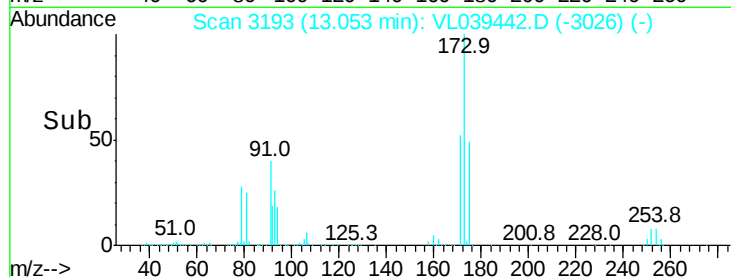
171 54.0 42.9 64.3



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: 11.15 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.03 min

Lab File: VL039442.D

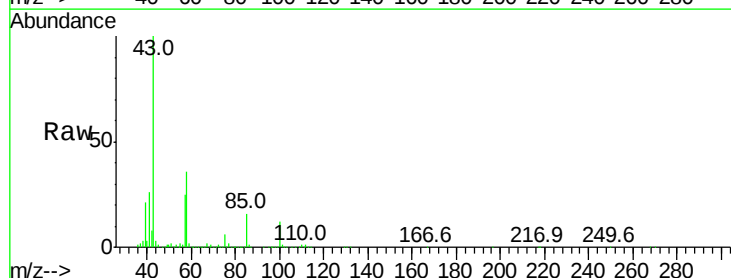
Acq: 12 Jul 2022 10:13

Tgt Ion: 43 Resp: 2968593

Ion Ratio Lower Upper

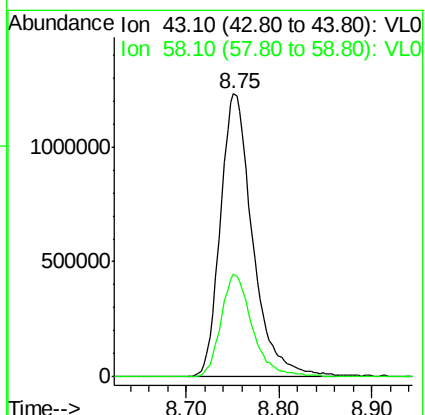
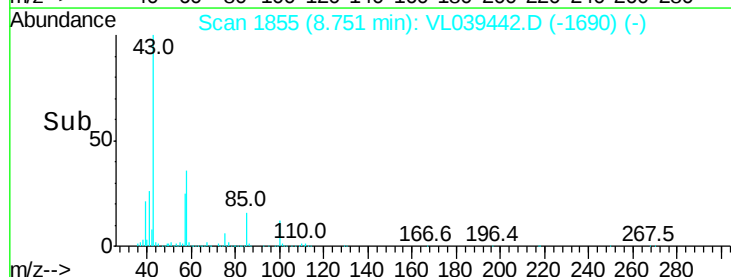
43 100

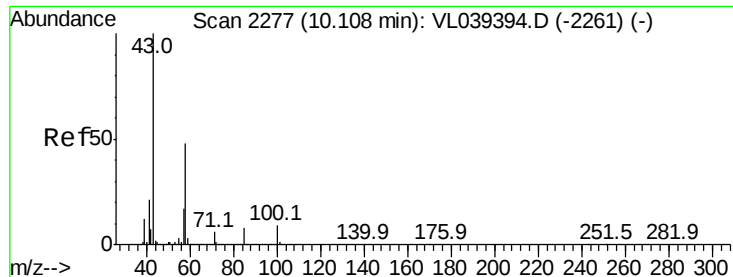
58 35.8 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

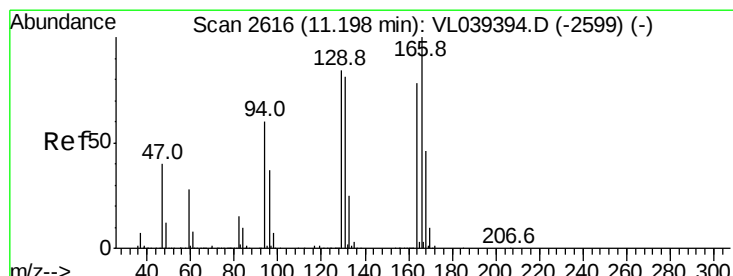
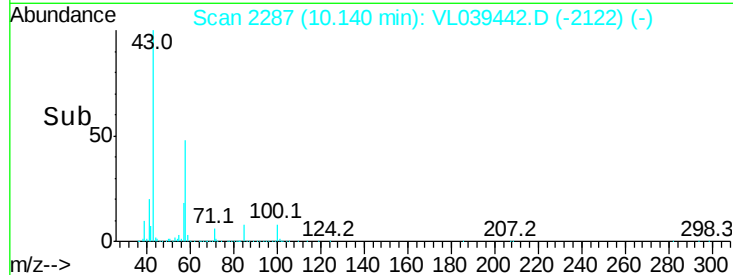
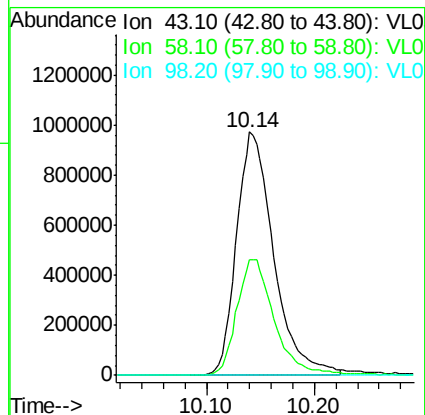
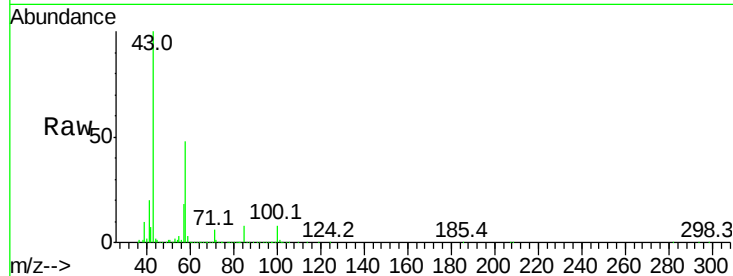
Ion 58.10 (57.80 to 58.80): VL0





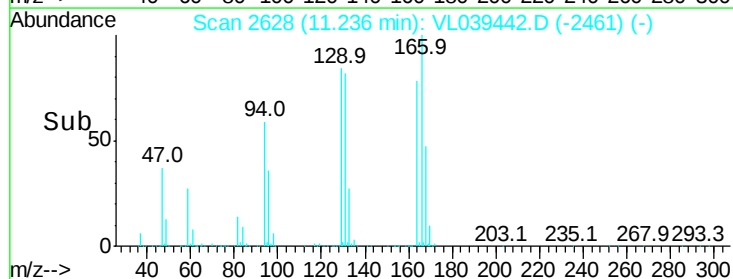
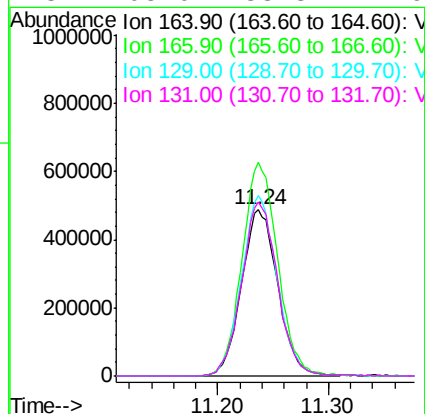
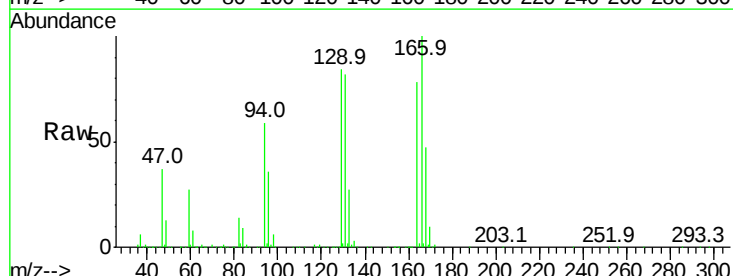
#51
2-Hexanone
Concen: 11.55 ppbv
RT: 10.14 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 12 Jul 2022 10:13

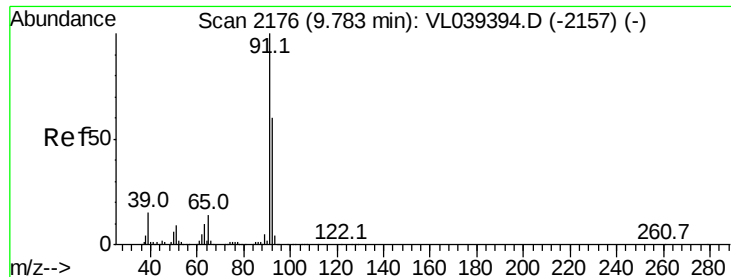
Tgt Ion: 43 Resp: 2325235
Ion Ratio Lower Upper
43 100
58 48.7 38.4 57.6
98 0.1 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.16 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.04 min
Lab File: VL039442.D
Acq: 12 Jul 2022 10:13

Tgt Ion: 164 Resp: 1107542
Ion Ratio Lower Upper
164 100
166 128.4 102.2 153.2
129 108.2 85.8 128.8
131 105.0 83.3 124.9





#53

Toluene

Concen: 10.91 ppbv

RT: 9.82

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

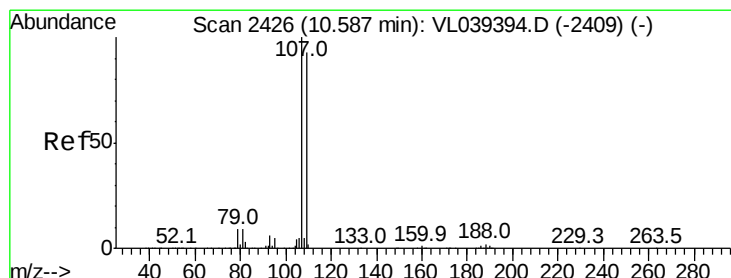
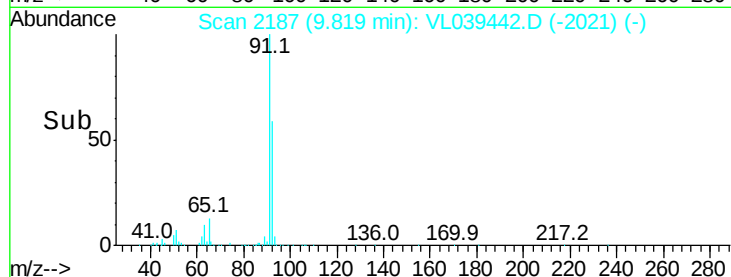
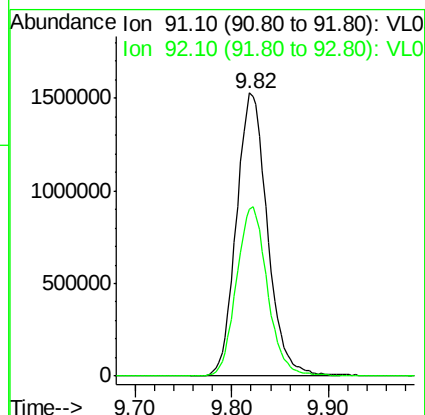
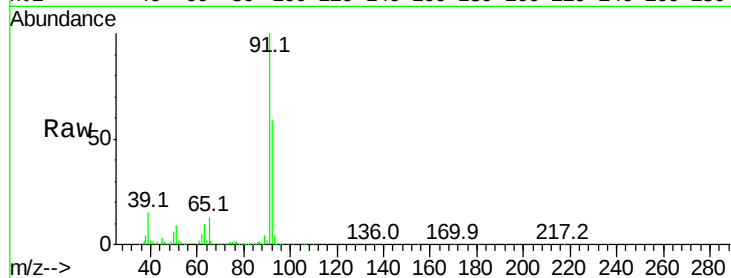
Acq: 12 Jul 2022 10:13

Tgt Ion: 91 Resp: 3407976

Ion Ratio Lower Upper

91 100

92 59.9 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.00 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.04 min

Lab File: VL039442.D

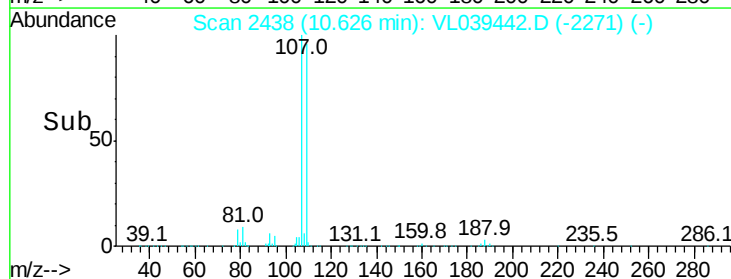
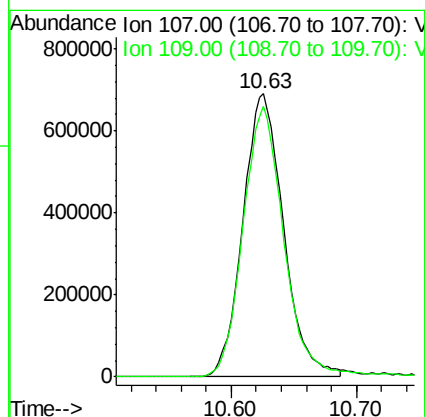
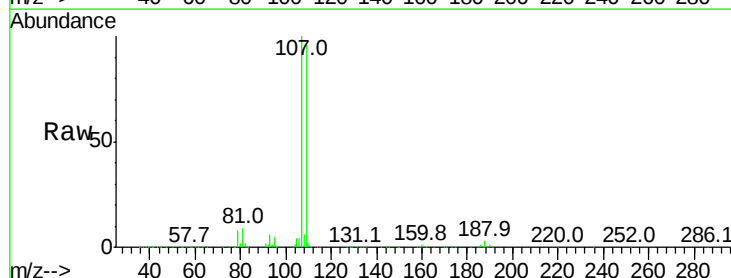
Acq: 12 Jul 2022 10:13

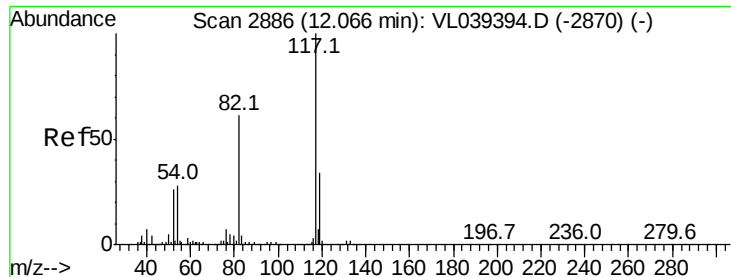
Tgt Ion: 107 Resp: 1553155

Ion Ratio Lower Upper

107 100

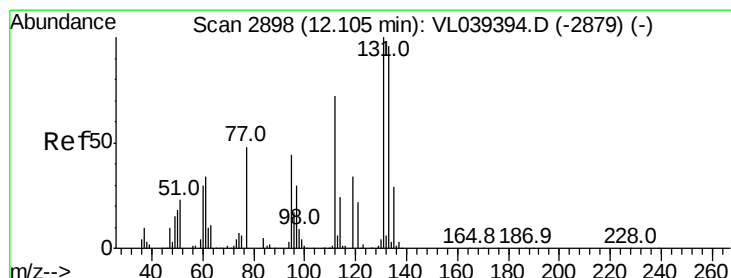
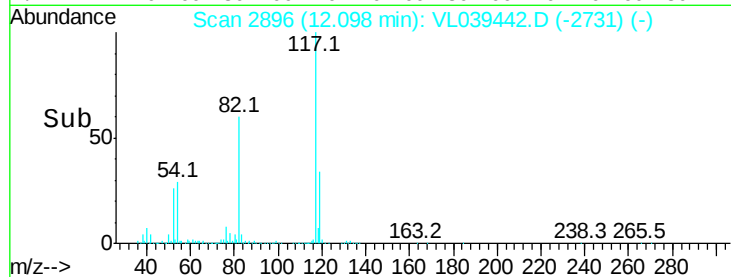
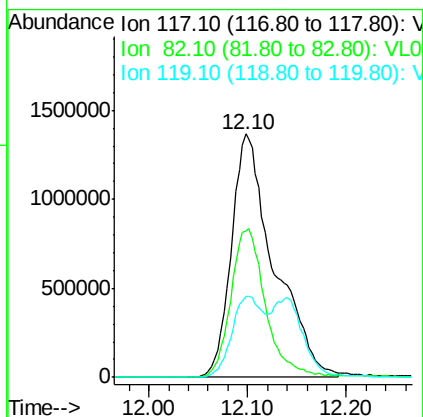
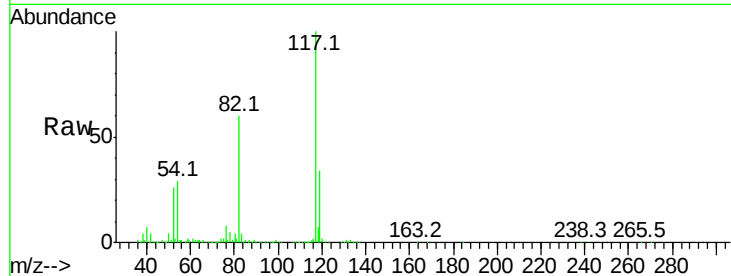
109 95.7 74.8 112.2





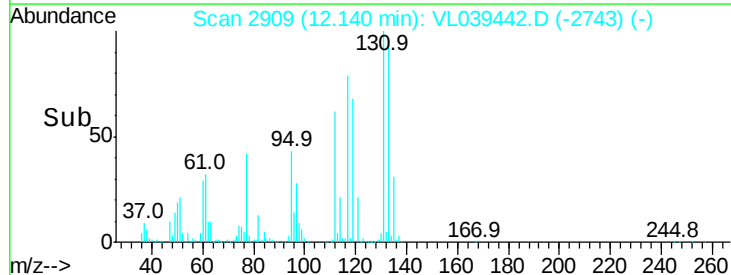
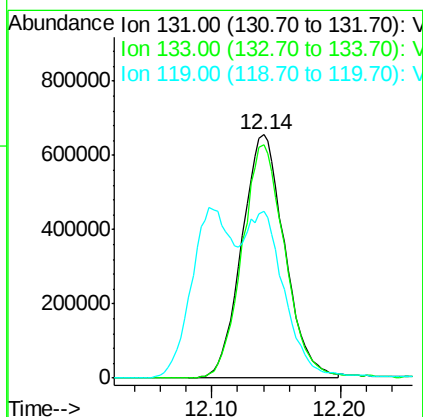
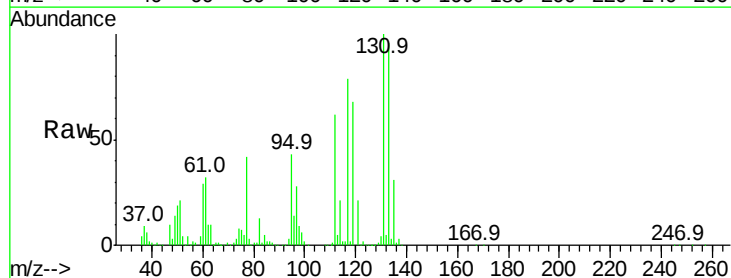
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.04 min
Lab File: ClientSampleId : VSTDCCC010
Acq: 12 Jul 2022 10:13

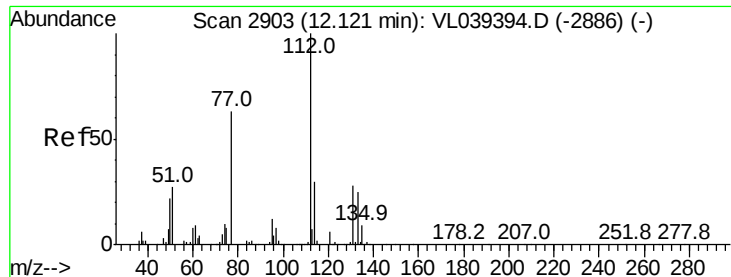
Tgt Ion:117 Resp: 4109956
Ion Ratio Lower Upper
117 100
82 50.7 50.8 76.2#
119 25.3 24.1 36.1



#56
1,1,1,2-Tetrachloroethane
Concen: 8.36 ppbv
RT: 12.14 min Scan# 2909
Delta R.T.: 0.04 min
Lab File: VL039442.D
Acq: 12 Jul 2022 10:13

Tgt Ion:131 Resp: 1517874
Ion Ratio Lower Upper
131 100
133 97.0 76.8 115.2
119 68.1 46.2 69.4





#57

Chlorobenzene

Concen: 8.04 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13

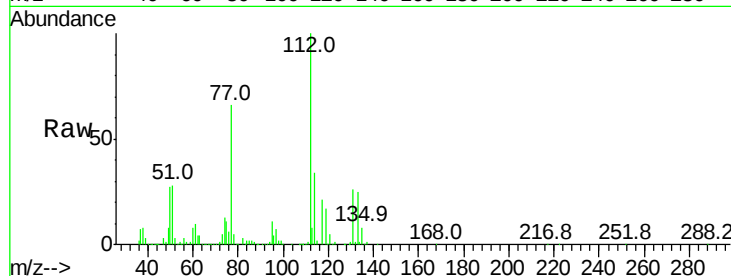
Tgt Ion: 112 Resp: 2563252

Ion Ratio Lower Upper

112 100

77 65.0 51.0 76.4

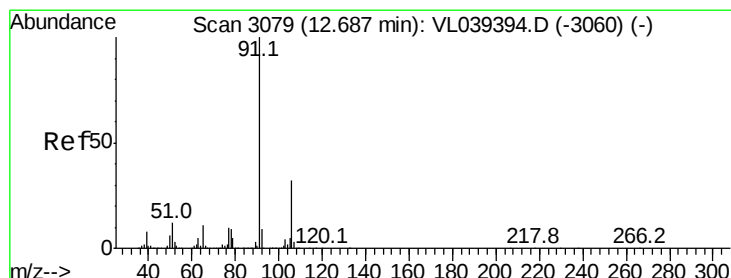
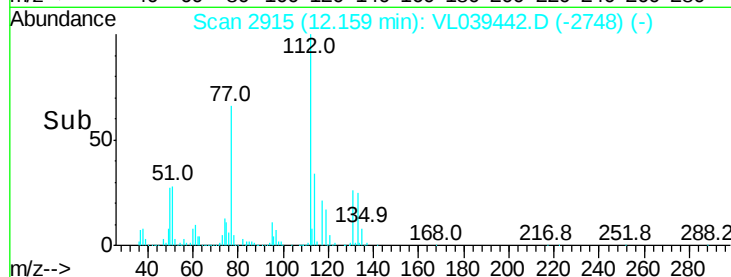
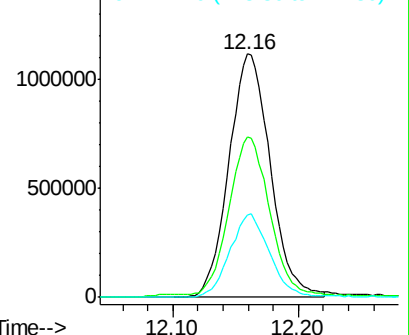
114 33.6 27.5 33.6#



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: 8.57 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.04 min

Lab File: VL039442.D

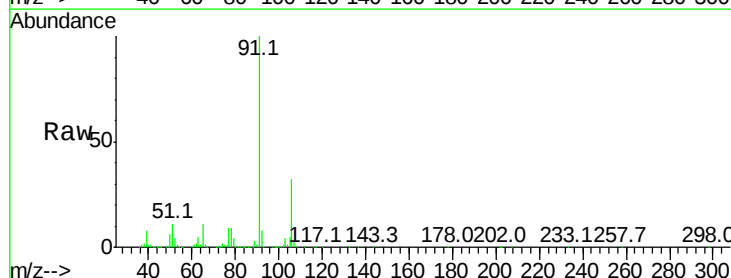
Acq: 12 Jul 2022 10:13

Tgt Ion: 91 Resp: 4547811

Ion Ratio Lower Upper

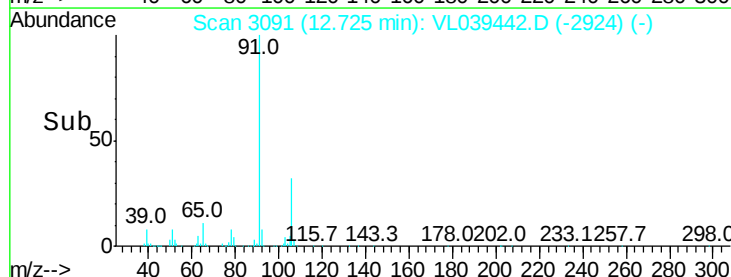
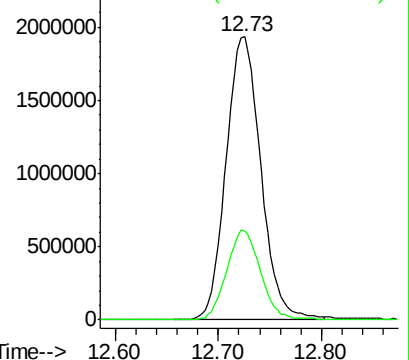
91 100

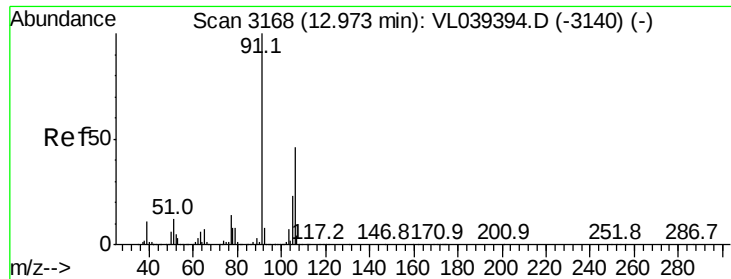
106 31.6 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

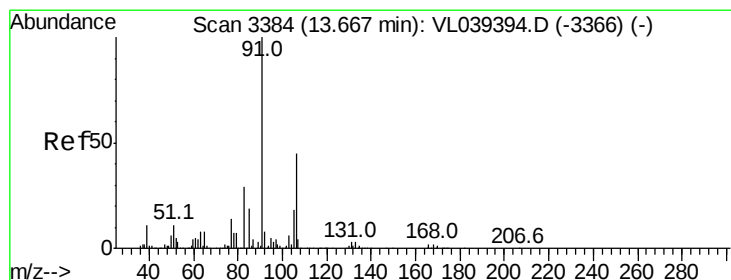
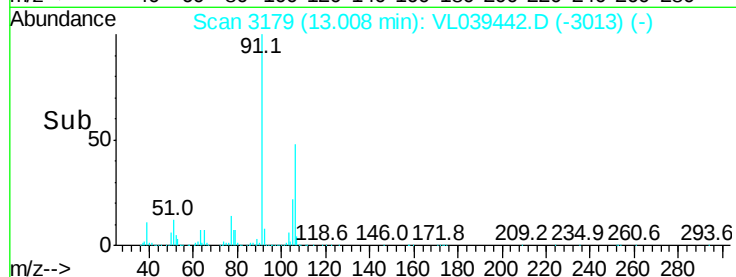
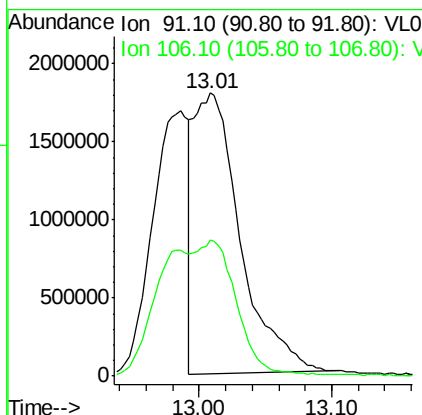
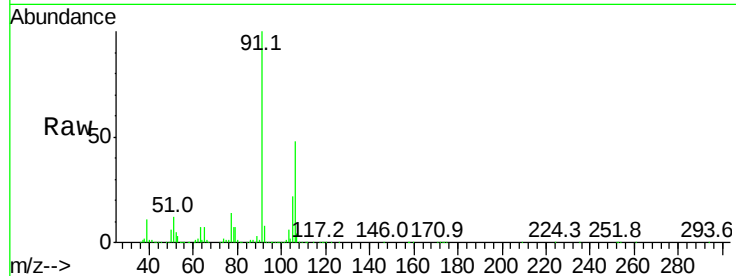
Ion 106.10 (105.80 to 106.80): V





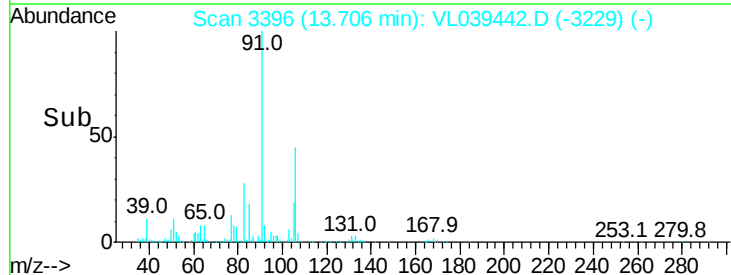
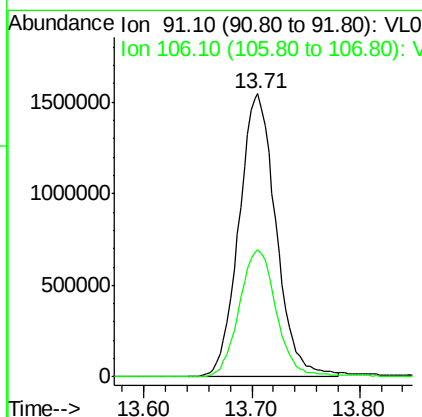
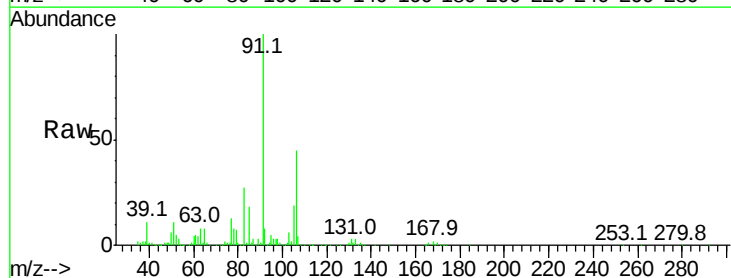
#59
m/p-Xylene
Concen: 9.30 ppbv
RT: 13.01 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 12 Jul 2022 10:13

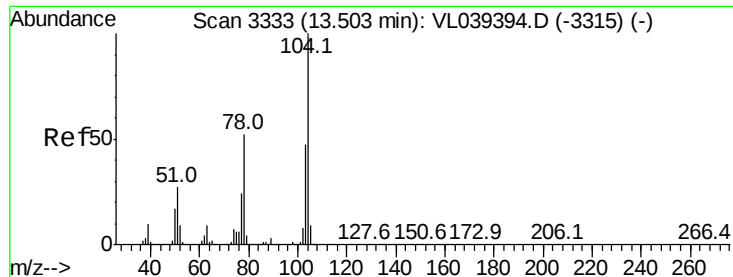
Tgt Ion: 91 Resp: 4353411
Ion Ratio Lower Upper
91 100
106 80.3 35.4 53.2#



#60
o-Xylene
Concen: 8.32 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.04 min
Lab File: VL039442.D
Acq: 12 Jul 2022 10:13

Tgt Ion: 91 Resp: 3684458
Ion Ratio Lower Upper
91 100
106 46.0 22.4 67.3





#61

Styrene

Concen: 9.27 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13 VSTDCCC010

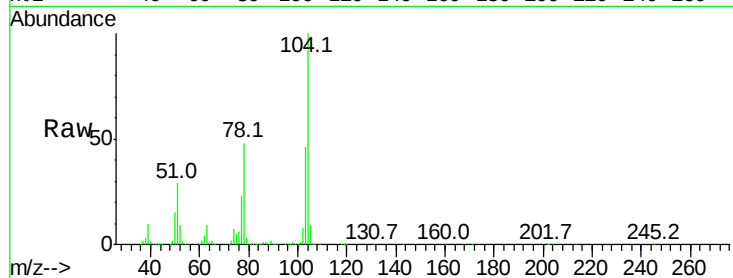
Tgt Ion:104 Resp: 2224800

Ion Ratio Lower Upper

104 100

78 50.7 41.2 61.8

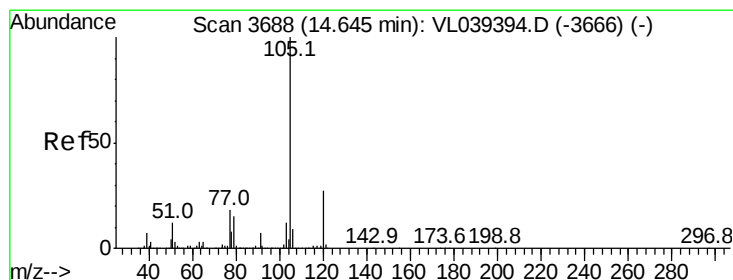
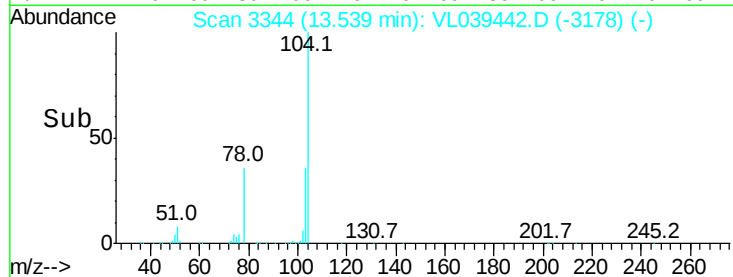
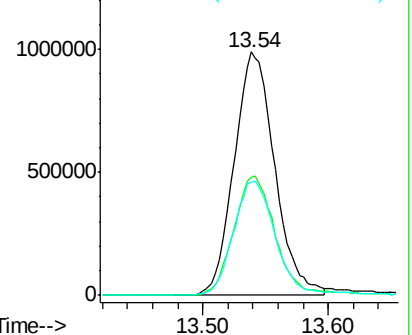
103 48.8 38.7 58.1



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: 8.14 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.04 min

Lab File: VL039442.D

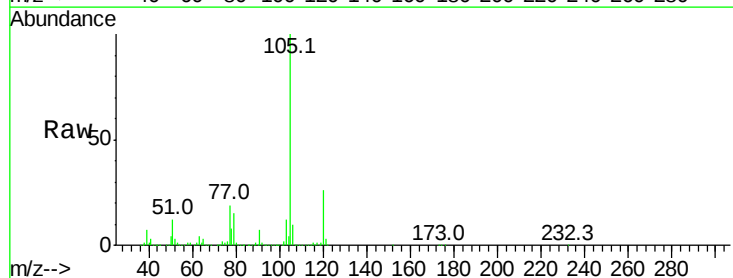
Acq: 12 Jul 2022 10:13

Tgt Ion:105 Resp: 5489456

Ion Ratio Lower Upper

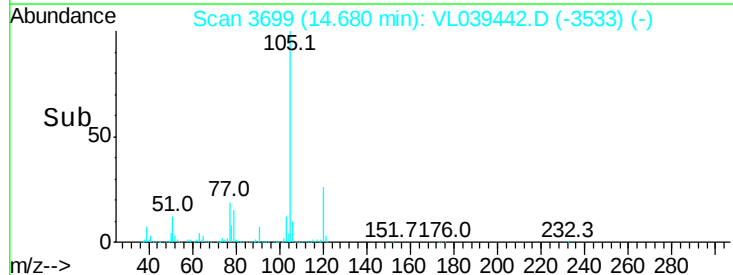
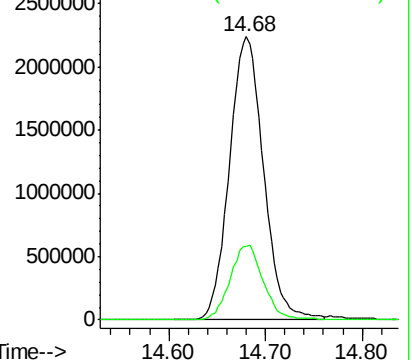
105 100

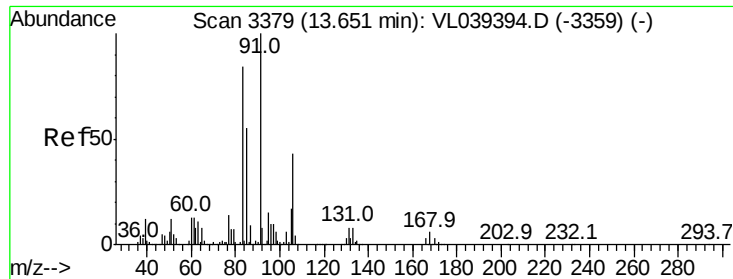
120 25.9 20.7 31.1



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: 7.62 ppbv

RT: 13.69

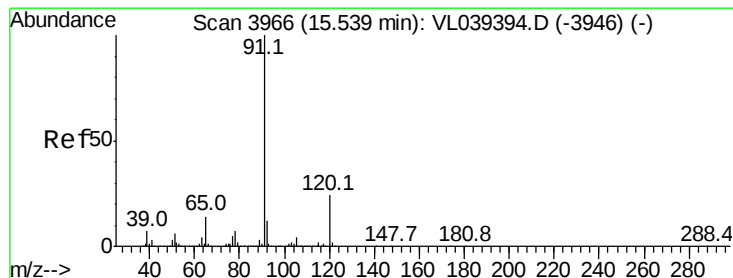
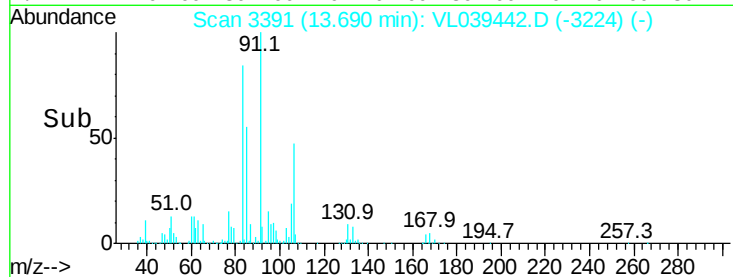
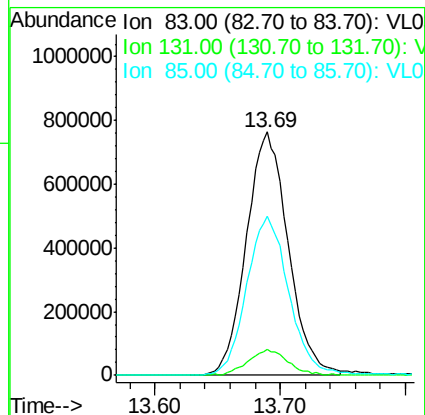
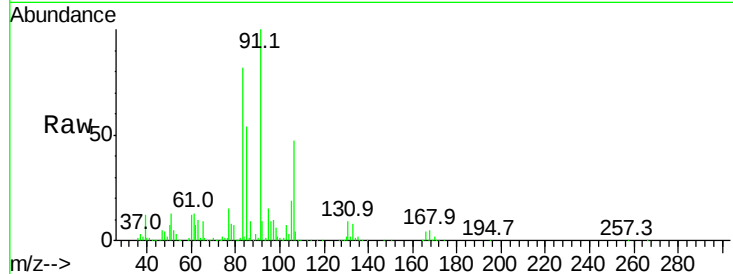
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Jul 2022 10:13

Tgt Ion: 83 Resp: 1769110

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.3	15.8
85	66.6	33.1	99.5



#64

n-propylbenzene

Concen: 8.45 ppbv

RT: 15.57 min Scan# 3977

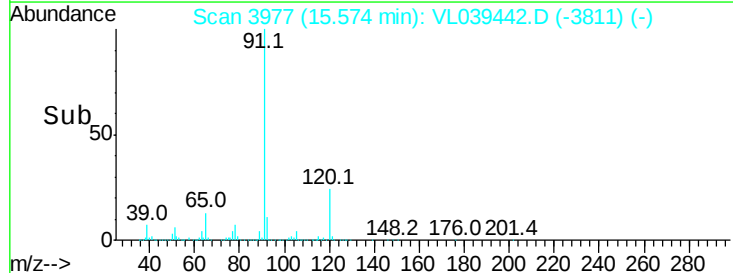
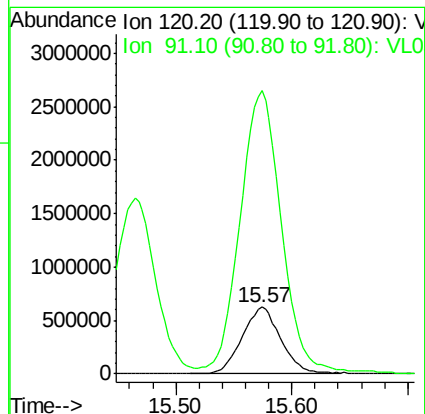
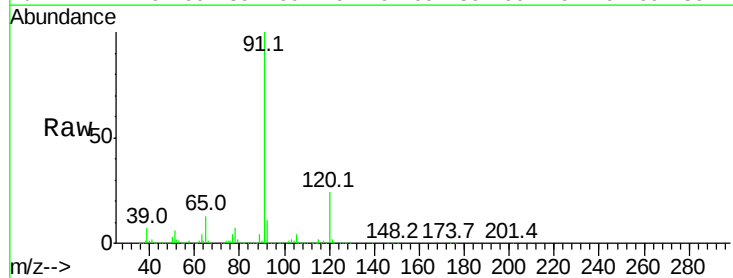
Delta R.T. 0.04 min

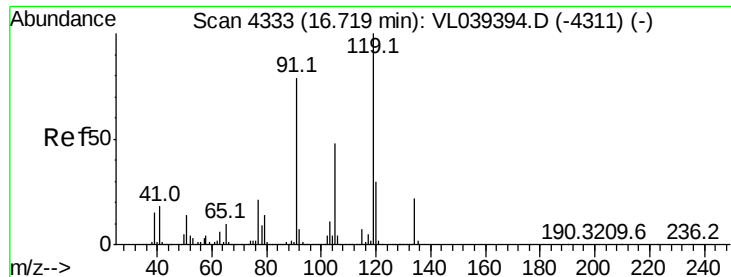
Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

Tgt Ion: 120 Resp: 1444504

Ion	Ratio	Lower	Upper
120	100		
91	456.3	367.2	550.8

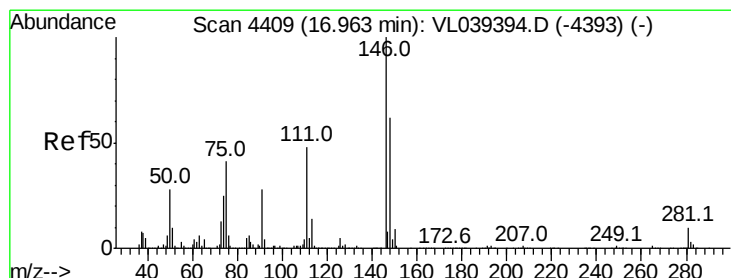
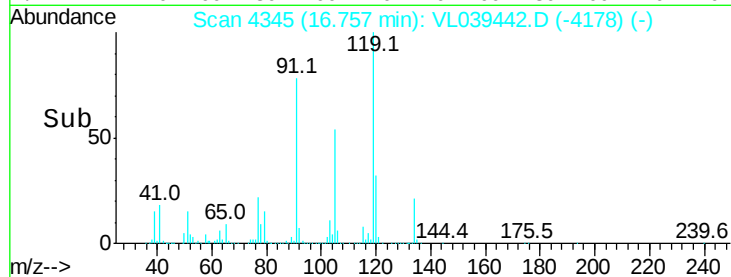
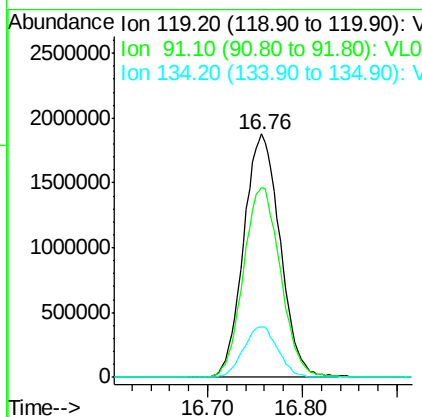
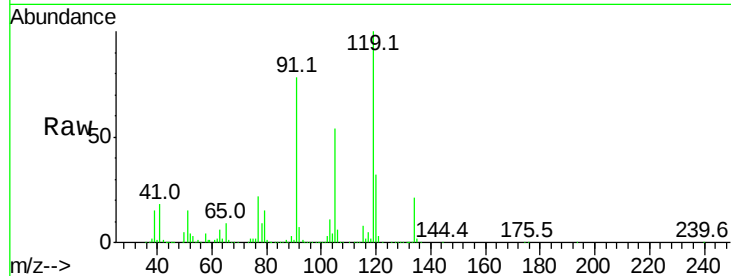




#65
 tert-Butylbenzene
 Concen: 8.04 ppbv
 RT: 16.76 min
 Delta R.T. 0.04 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

Tgt Ion: 119 Resp: 5013562

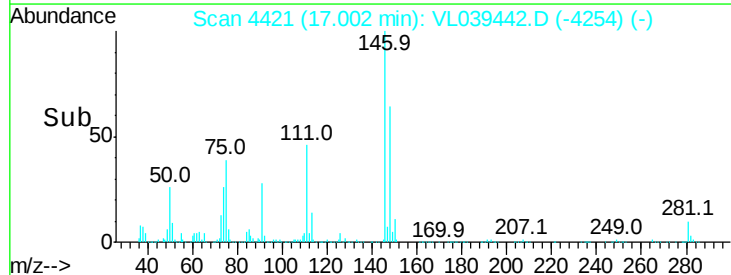
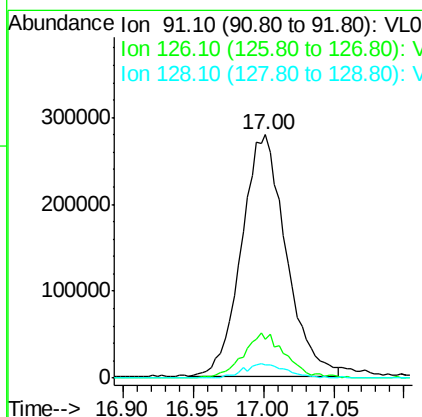
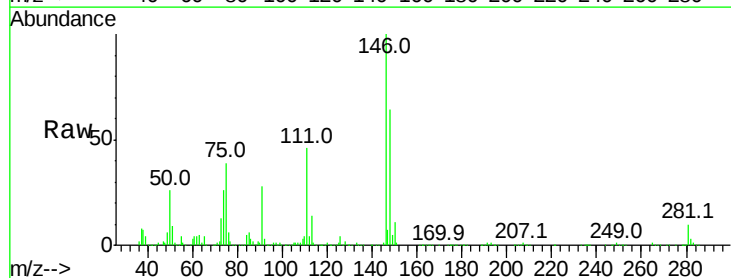
Ion	Ratio	Lower	Upper
119	100		
91	79.4	63.4	95.2
134	19.8	15.9	23.9

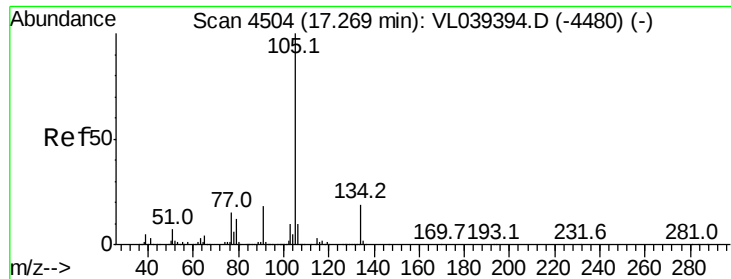


#66
 Benzyl Chloride
 Concen: 10.35 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. 0.04 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

Tgt Ion: 91 Resp: 613247

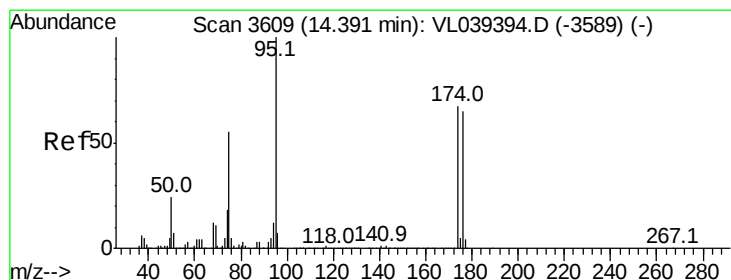
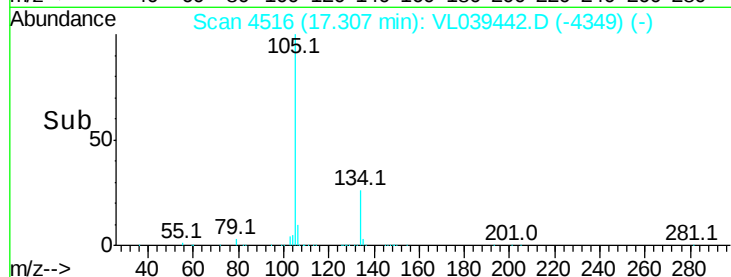
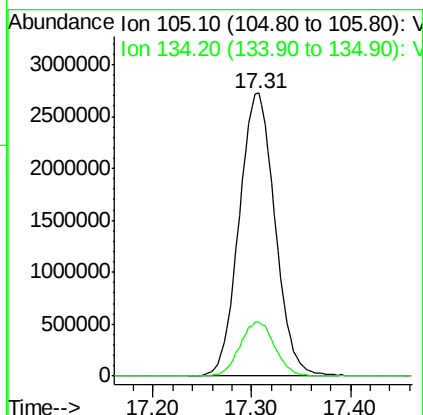
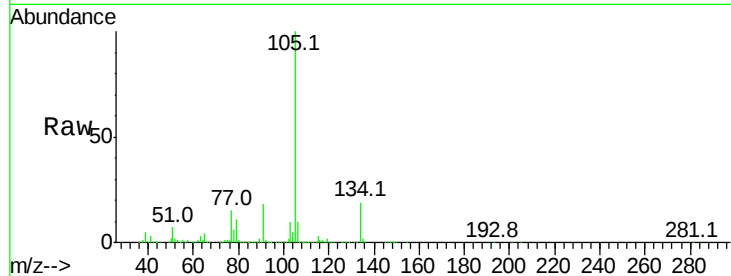
Ion	Ratio	Lower	Upper
91	100		
126	18.1	13.1	19.7
128	5.8	4.4	6.6





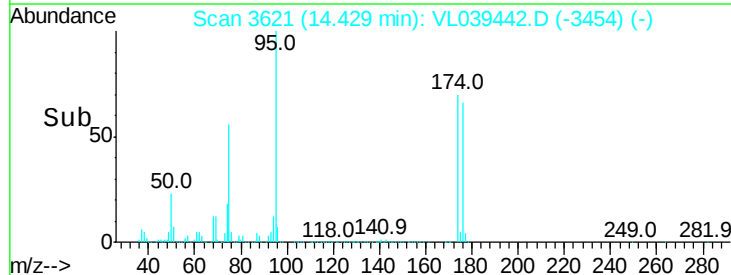
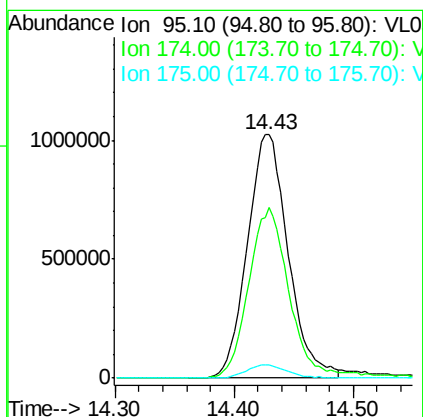
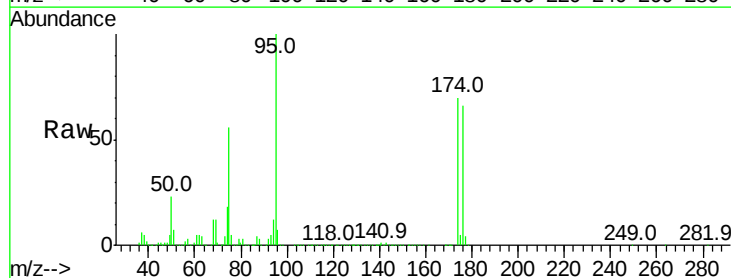
#67
 sec-Butylbenzene
 Concen: 8.14 ppbv
 RT: 17.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 12 Jul 2022 10:13

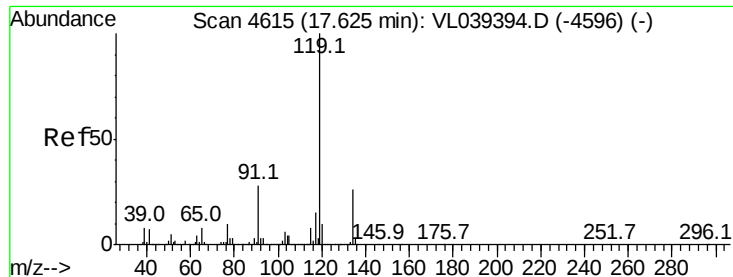
Tgt Ion: 105 Resp: 6833270
 Ion Ratio Lower Upper
 105 100
 134 18.9 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.97 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

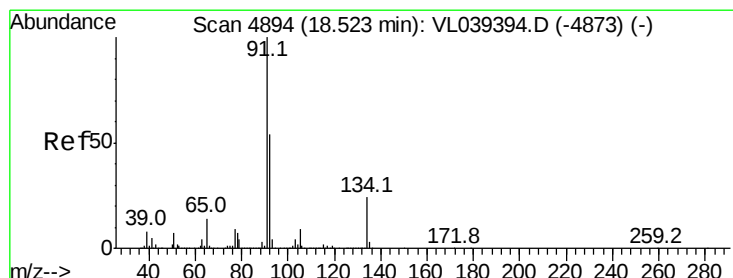
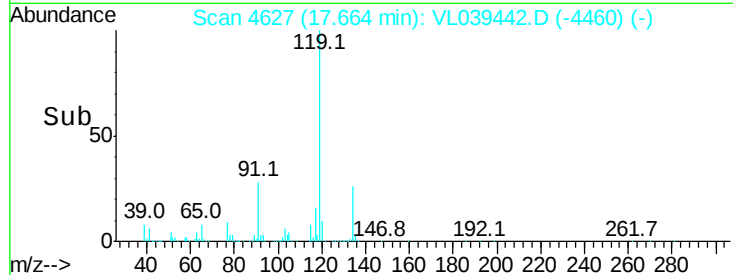
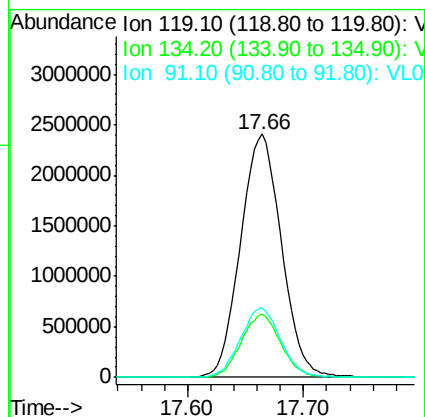
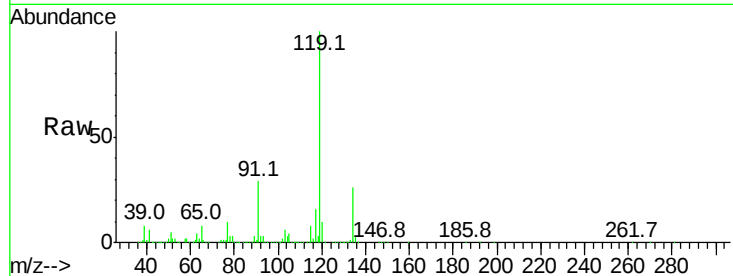
Tgt Ion: 95 Resp: 2431540
 Ion Ratio Lower Upper
 95 100
 174 71.3 55.9 83.9
 175 5.6 4.2 6.4





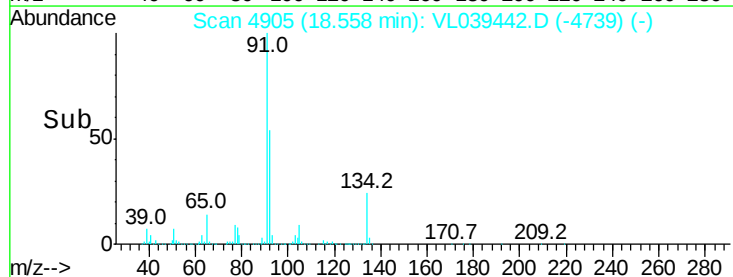
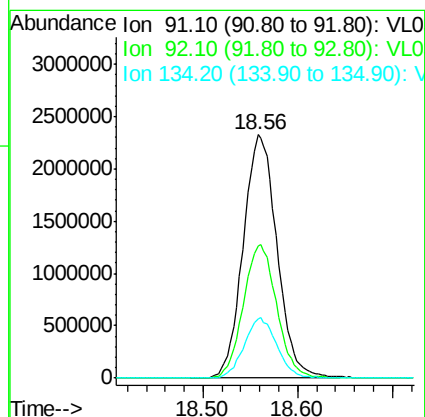
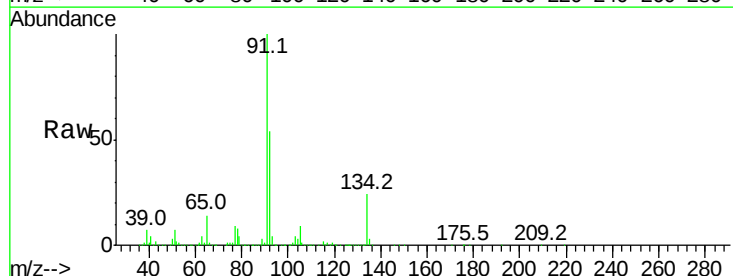
#69
 p-Isopropyltoluene
 Concen: 8.28 ppbv
 RT: 17.66 min
 Delta R.T. 0.04 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

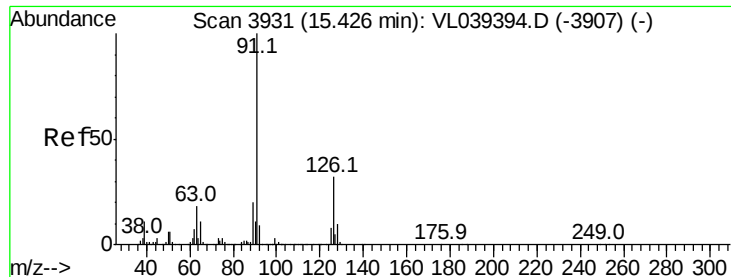
Tgt Ion:	119	Resp:	5900694
Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	28.0	22.9	34.3



#70
 n-Butylbenzene
 Concen: 8.34 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.04 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

Tgt Ion:	91	Resp:	5771012
Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.4	65.2
134	24.1	18.9	28.3





#71

2-Chlorotoluene

Concen: 8.28 ppbv

RT: 15.46

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

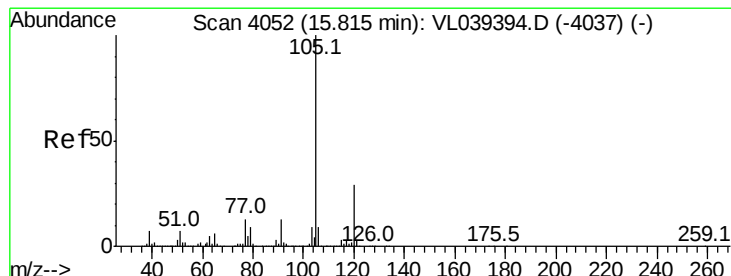
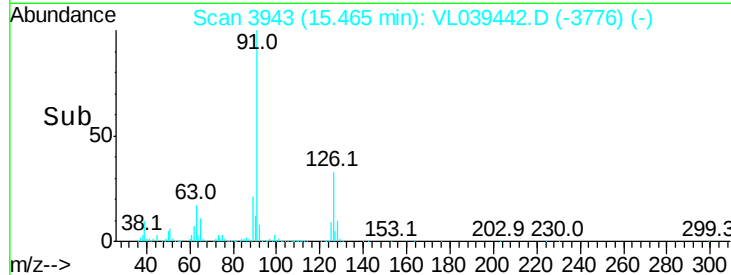
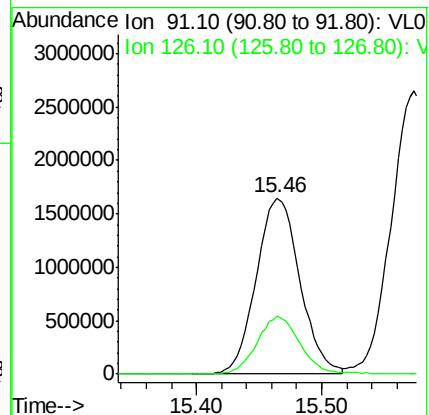
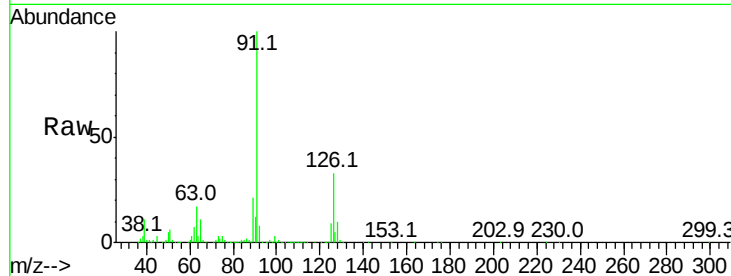
Acq: 12 Jul 2022 10:13

Tgt Ion: 91 Resp: 3996476

Ion Ratio Lower Upper

91 100

126 32.9 13.0 51.8



#72

4-Ethyltoluene

Concen: 8.48 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.04 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

Tgt Ion: 105 Resp: 4415828

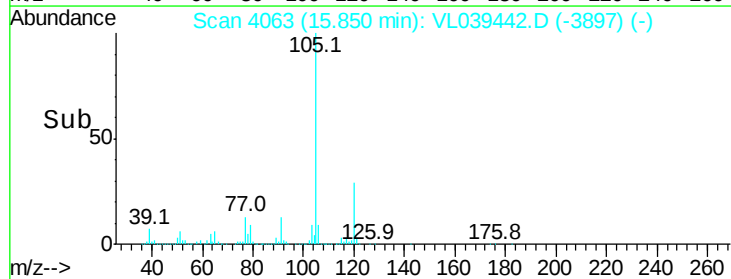
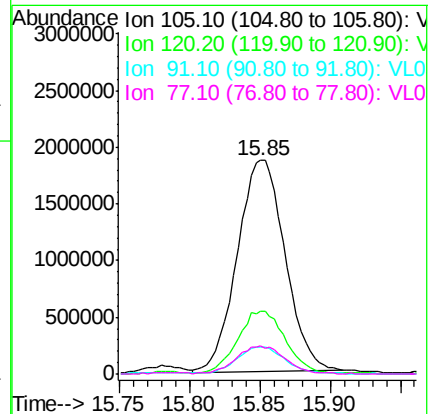
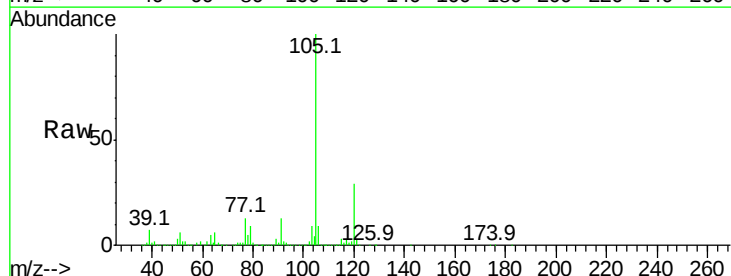
Ion Ratio Lower Upper

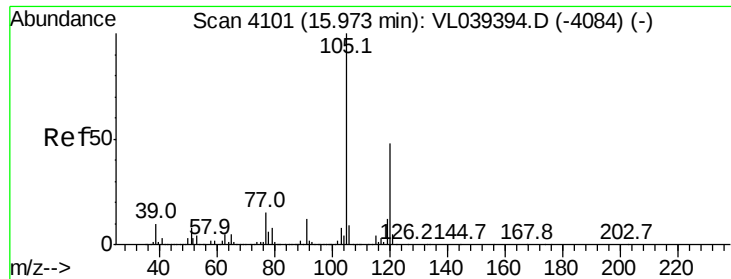
105 100

120 30.3 24.2 36.2

91 12.9 10.2 15.4

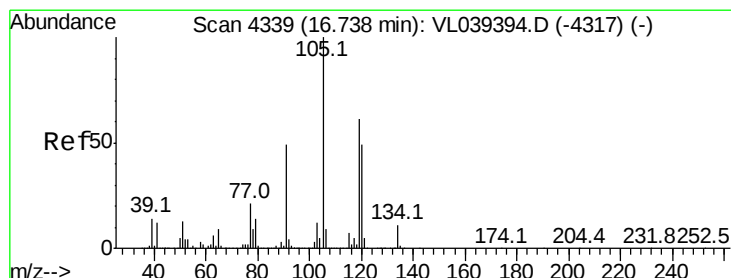
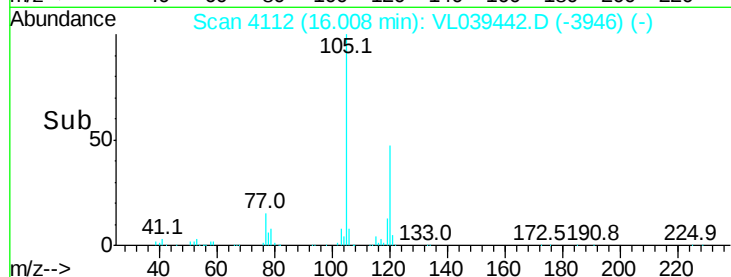
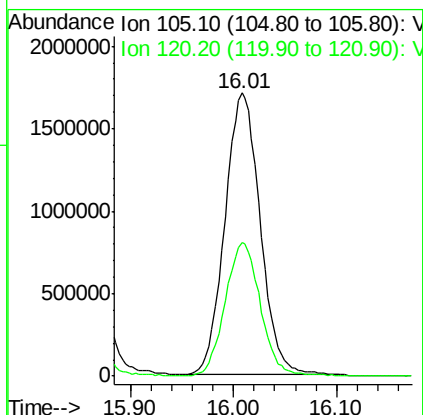
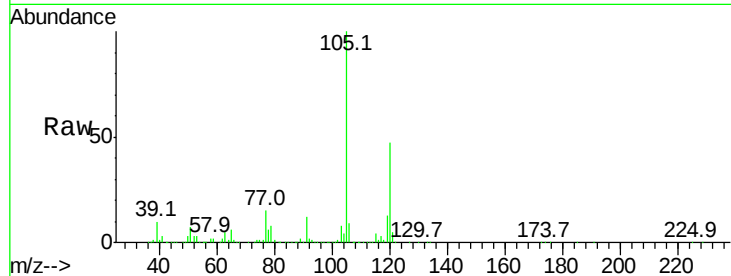
77 13.8 11.1 16.7





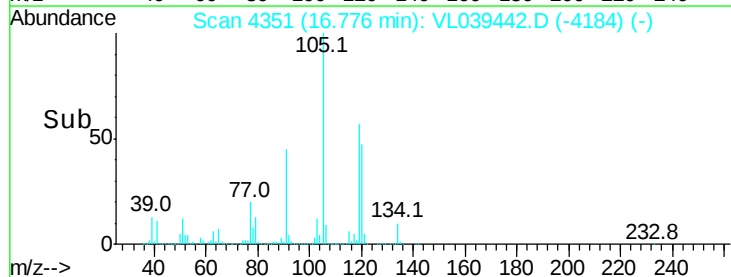
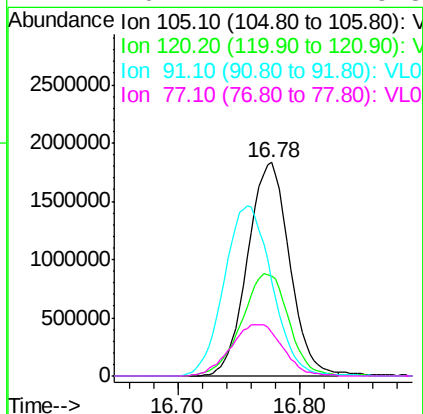
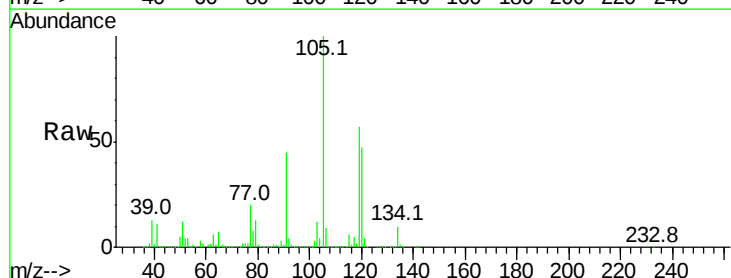
#73
 1,3,5-Trimethylbenzene
 Concen: 8.51 ppbv
 RT: 16.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 12 Jul 2022 10:13

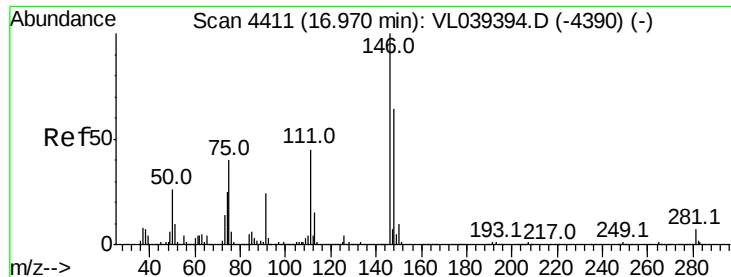
Tgt Ion:105 Resp: 4069777
 Ion Ratio Lower Upper
 105 100
 120 47.1 38.2 57.4



#74
 1,2,4-Trimethylbenzene
 Concen: 8.25 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. 0.04 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

Tgt Ion:105 Resp: 4364726
 Ion Ratio Lower Upper
 105 100
 120 46.7 39.5 59.3
 91 44.0 39.2 58.8
 77 20.1 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 8.24 ppbv

RT: 17.01 min

Delta R.T. 0.04 min

Lab File: VSTDCCC010

Acq: 12 Jul 2022 10:13

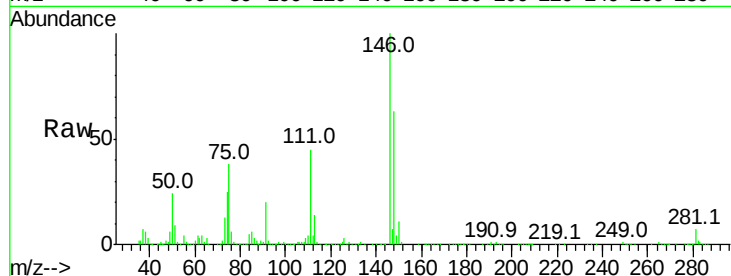
Tgt Ion:146 Resp: 2600265

Ion Ratio Lower Upper

146 100

111 46.3 22.9 68.7

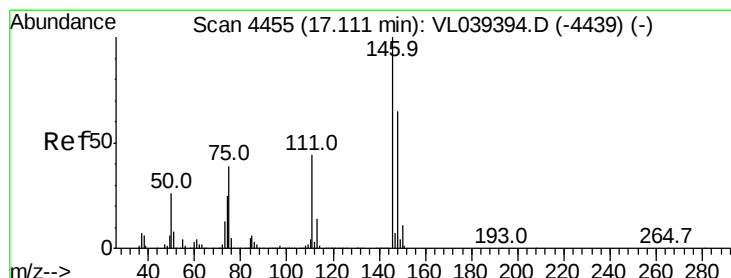
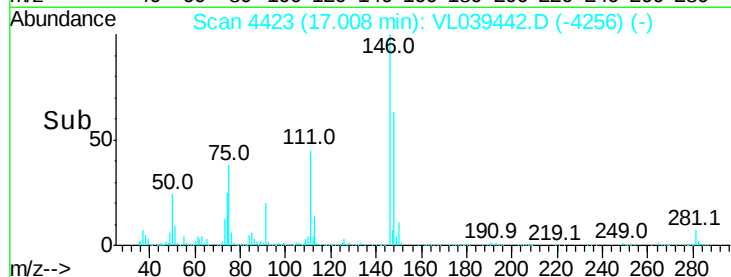
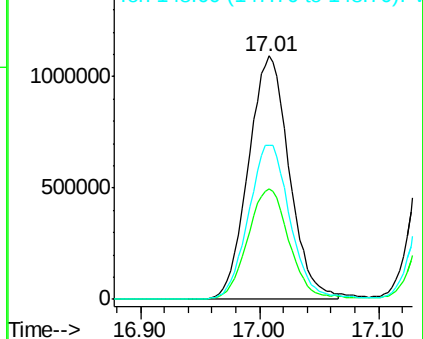
148 64.5 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.10 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. 0.04 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

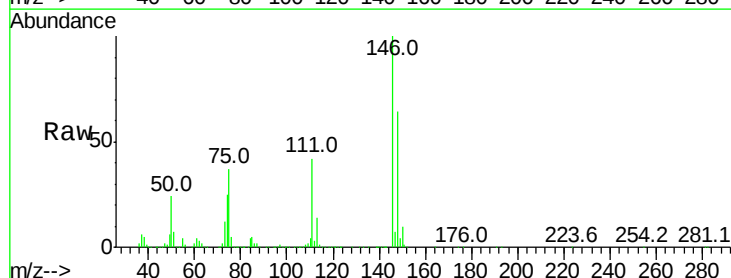
Tgt Ion:146 Resp: 2535149

Ion Ratio Lower Upper

146 100

111 45.2 22.9 68.8

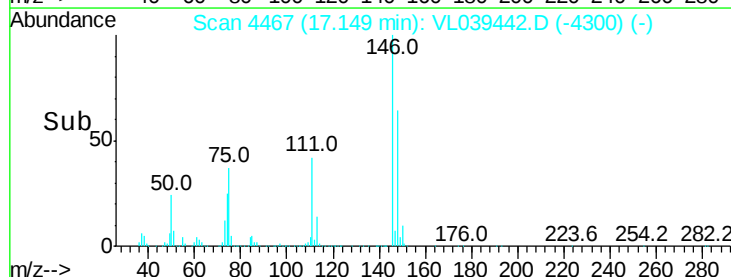
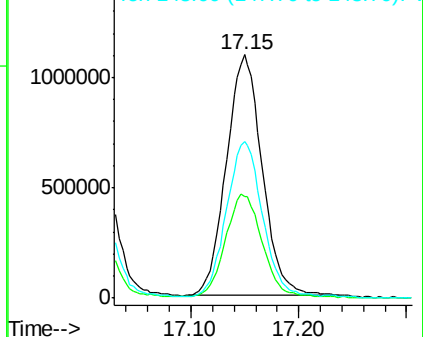
148 67.1 33.6 100.8

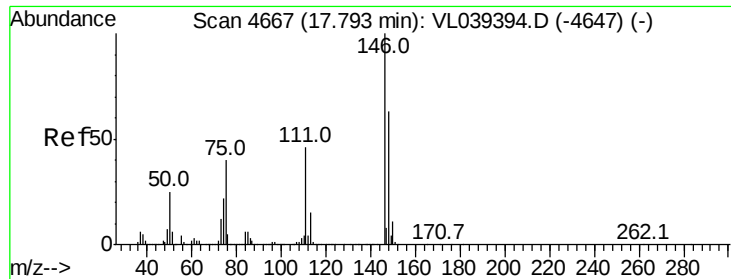


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

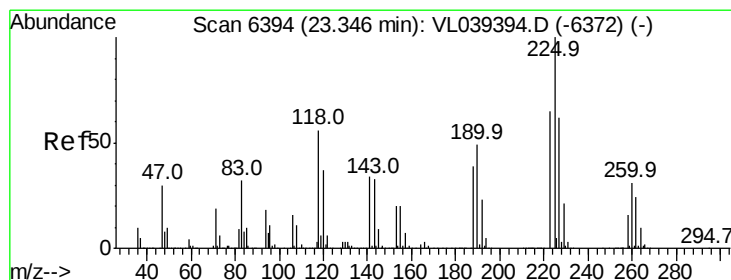
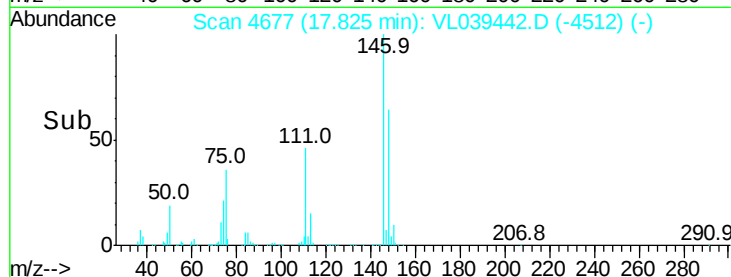
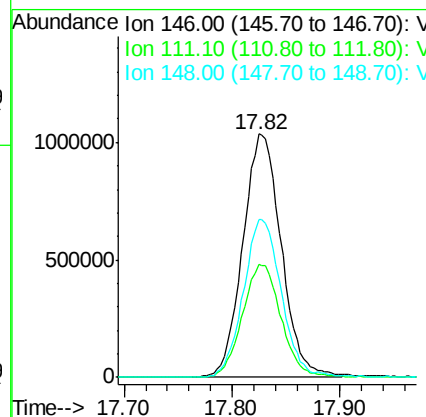
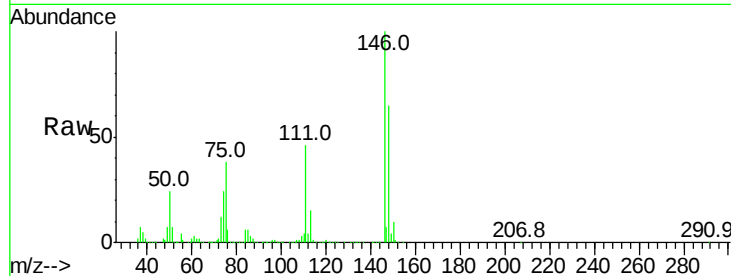
Ion 148.00 (147.70 to 148.70): V





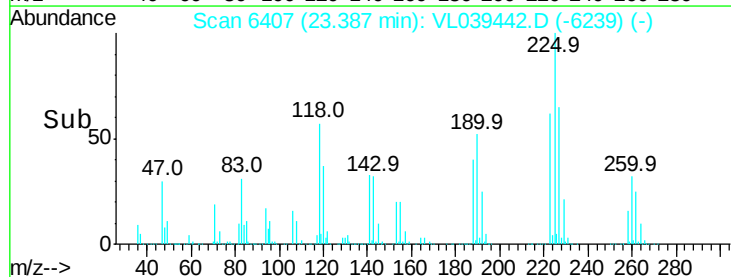
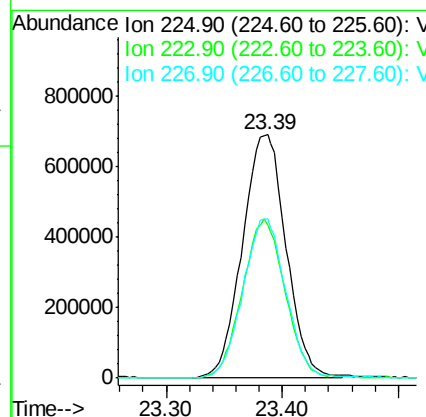
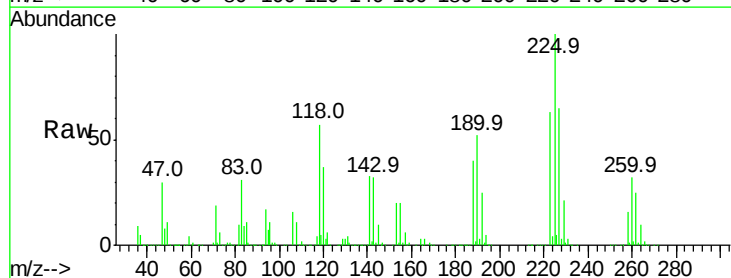
#77
 1,2-Dichlorobenzene
 Concen: 8.15 ppbv
 RT: 17.82
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 12 Jul 2022 10:13

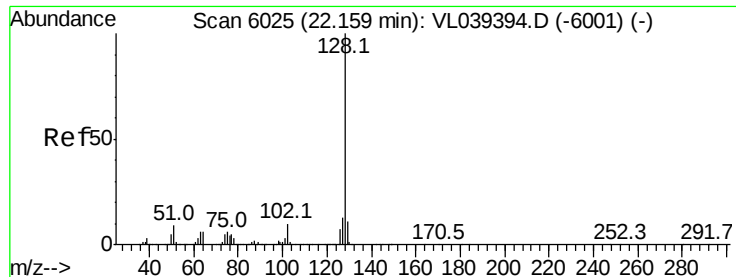
Tgt Ion:146 Resp: 2551056
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.8 71.5
 148 64.7 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.16 ppbv
 RT: 23.39 min Scan# 6407
 Delta R.T. 0.04 min
 Lab File: VL039442.D
 Acq: 12 Jul 2022 10:13

Tgt Ion:225 Resp: 1800923
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.8 77.6
 227 65.0 51.4 77.2





#79

Naphthalene

Concen: 9.69 ppbv

RT: 22.21

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 12 Jul 2022 10:13

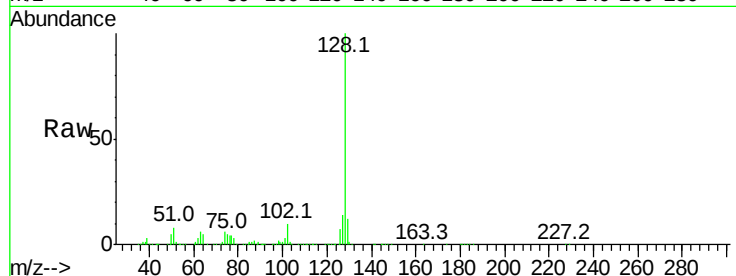
Tgt Ion:128 Resp: 3528229

Ion Ratio Lower Upper

128 100

127 13.6 10.6 15.8

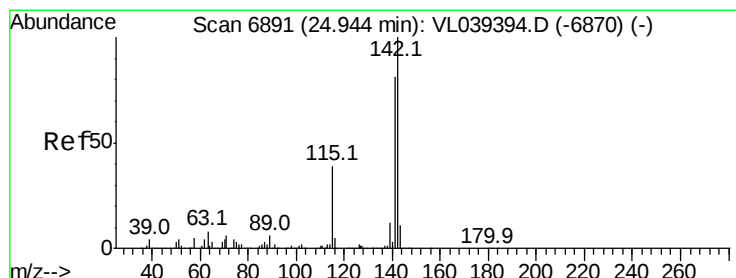
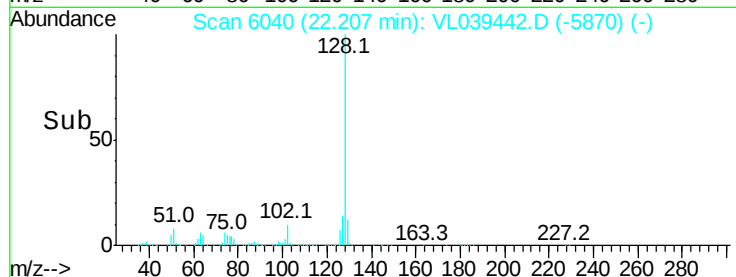
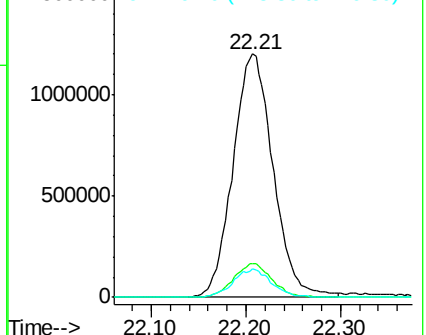
129 11.7 8.8 13.2



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: 10.48 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.03 min

Lab File: VL039442.D

Acq: 12 Jul 2022 10:13

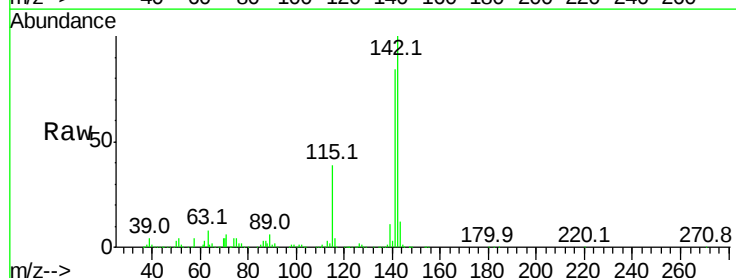
Tgt Ion:142 Resp: 1299639

Ion Ratio Lower Upper

142 100

141 85.3 68.9 103.3

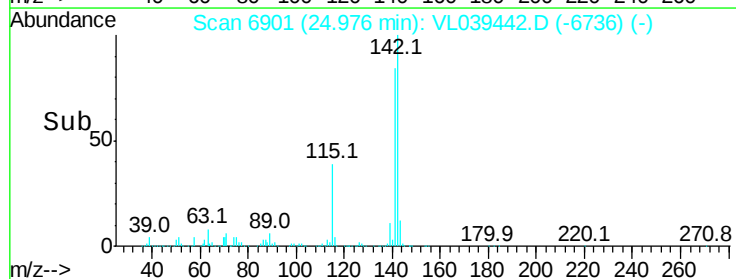
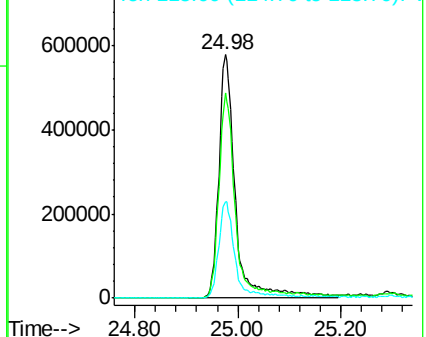
115 38.8 30.0 45.0

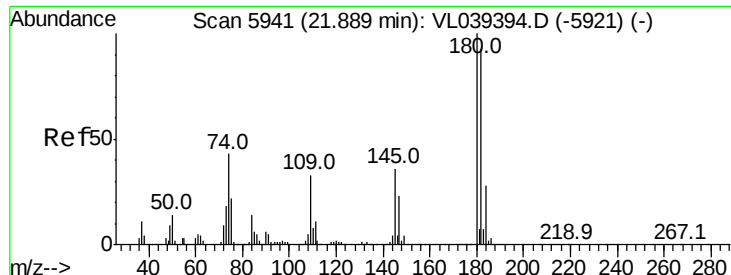


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

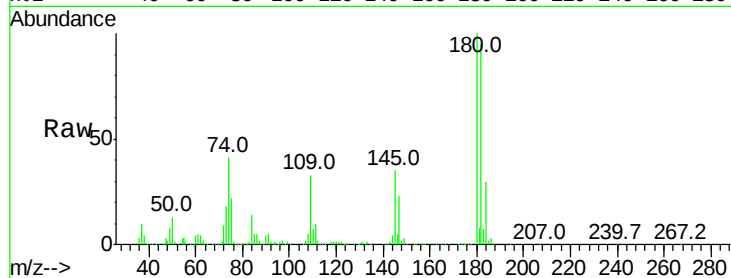
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.49 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 12 Jul 2022 10:13

Tgt Ion:	180	Resp:	2014433
Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.1	115.7
184	30.9	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

