

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL053122\
 Data File : VL039140.D
 Acq On : 31 May 2022 21:53
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 01 01:29:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1395346	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3551857	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	4186747	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2797034	8.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	2090235	8.529	ppbv	100
3) Chlorodifluoromethane	3.00	51	1636091	9.215	ppbv	98
4) Chloromethane	3.15	50	869614	9.536	ppbv	99
5) Vinyl Chloride	3.27	62	816961	9.583	ppbv	99
6) Bromomethane	3.48	94	392737	9.365	ppbv	96
7) Chloroethane	3.56	64	281368	9.472	ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	2029330	9.060	ppbv	97
9) Propene	3.02	41	733584	9.476	ppbv	98
10) Heptane	8.13	43	1775033	9.829	ppbv	99
11) Trichlorofluoromethane	3.96	101	1980952	8.929	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1346484	9.178	ppbv	99
13) Ethanol	3.61	45	32440	7.684	ppbv #	100
14) Bromoethene	3.75	108	655907	9.945	ppbv	95
15) Acetone	3.85	43	1304222	8.973	ppbv	98
16) 1,3-Butadiene	3.33	39	757061	9.689	ppbv	99
17) tert-Butyl alcohol	4.29	59	1205648	10.694	ppbv	98
18) 1,1-Dichloroethene	4.29	96	621043	9.436	ppbv	98
19) Isopropyl Alcohol	3.97	45	731758	10.734	ppbv #	98
20) Methylene Chloride	4.35	84	494037	8.066	ppbv	94
21) Allyl Chloride	4.42	41	931356	9.499	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	597521	9.436	ppbv	96
23) Vinyl Acetate	5.08	43	1331642	11.073	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1496917	9.085	ppbv	98
25) Ethyl Acetate	5.68	43	3130131	9.555	ppbv	100
26) Hexane	5.69	57	1376729	9.563	ppbv	99
27) Carbon Disulfide	4.56	76	1420856	9.522	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1527336	9.610	ppbv	99
29) Chloroform	5.76	83	2268470	9.364	ppbv	100
30) Cyclohexane	7.13	84	1143168	9.452	ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1442035	9.824	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2306423	9.730	ppbv	99
34) 2-Butanone	5.25	43	1886472	9.776	ppbv	98
35) Carbon Tetrachloride	7.02	117	2457678	9.480	ppbv	97
36) Benzene	6.90	78	2747330	9.528	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1753547	9.240	ppbv	99
38) Trichloroethene	7.84	130	1346929	10.169	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1089883	9.502	ppbv	98
40) 1,4-Dioxane	7.83	88	359820	9.529	ppbv #	1
41) Tetrahydrofuran	6.06	42	1129868	9.736	ppbv	100
42) Bromodichloromethane	7.80	83	2529073	9.603	ppbv	97
43) Methyl Methacrylate	8.02	69	1157134	10.302	ppbv	98

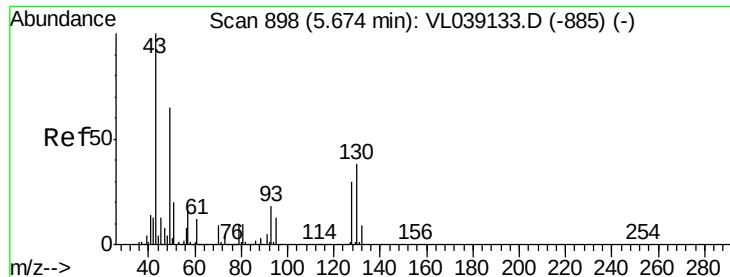
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4714780	9.346	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1364071	11.661	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1657334	10.725	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1156415	9.664	ppbv	97
48) Dibromochloromethane	10.31	129	2149567	10.061	ppbv	99
49) Bromoform	13.04	173	1776907	9.979	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2905555	10.059	ppbv	99
51) 2-Hexanone	10.14	43	2282497	10.155	ppbv #	100
52) Tetrachloroethene	11.23	164	1047903	9.307	ppbv	96
53) Toluene	9.81	91	3262717	9.826	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1621029	10.081	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.13	131	1448189	7.310	ppbv	99
57) Chlorobenzene	12.15	112	2401940	7.625	ppbv	95
58) Ethyl Benzene	12.72	91	4361653	7.563	ppbv	97
59) m/p-Xylene	13.00	91	4002192	7.881	ppbv #	39
60) o-Xylene	13.70	91	3556378	7.452	ppbv	100
61) Styrene	13.53	104	2078822	8.135	ppbv	98
62) Isopropylbenzene	14.67	105	5205148	7.339	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1884620	7.036	ppbv	99
64) n-propylbenzene	15.56	120	1363895	7.822	ppbv	96
65) tert-Butylbenzene	16.75	119	4702282	7.250	ppbv	99
66) Benzyl Chloride	16.99	91	776829	9.212	ppbv	99
67) sec-Butylbenzene	17.30	105	6547272	7.398	ppbv	99
69) p-Isopropyltoluene	17.65	119	5528710	7.405	ppbv	99
70) n-Butylbenzene	18.55	91	5787389	7.552	ppbv	99
71) 2-Chlorotoluene	15.45	91	4001668	7.399	ppbv	99
72) 4-Ethyltoluene	15.84	105	4326061	7.735	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3862712	7.657	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4142774	7.359	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2435627	7.644	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2391260	7.522	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2386701	7.432	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2023008	6.889	ppbv	99
79) Naphthalene	22.19	128	3927826	9.064	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1674372	10.399	ppbv	95
81) 1,2,4-Trichlorobenzene	21.92	180	2163710	7.881	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 May 2022 21:55

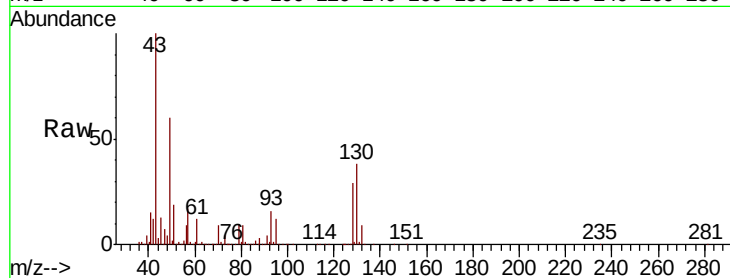
Tot Ion: 49 Resp: 1395346

Ion Ratio Lower Upper

49 100

128 50.3 24.7 74.1

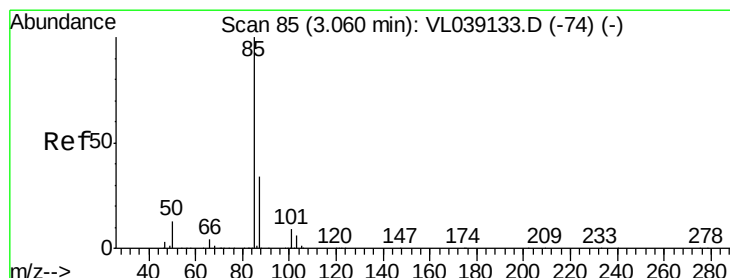
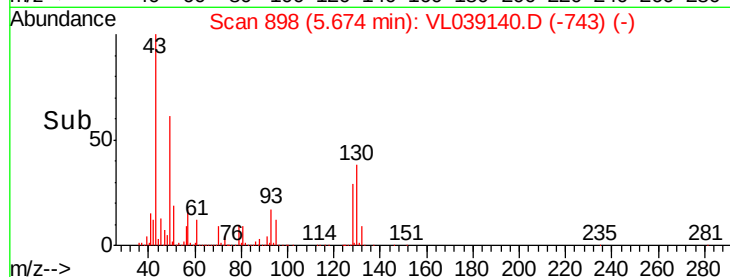
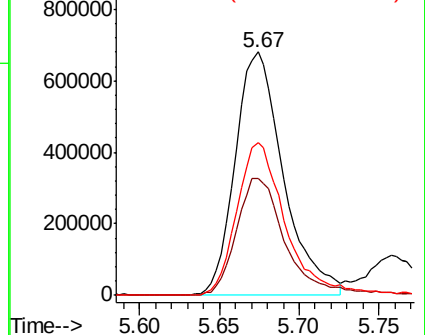
130 65.5 31.4 94.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.529 ppbv

RT: 3.06 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL039140.D

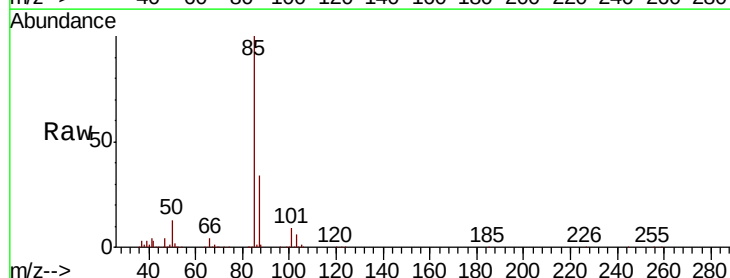
Acq: 31 May 2022 21:53

Tgt Ion: 85 Resp: 2090235

Ion Ratio Lower Upper

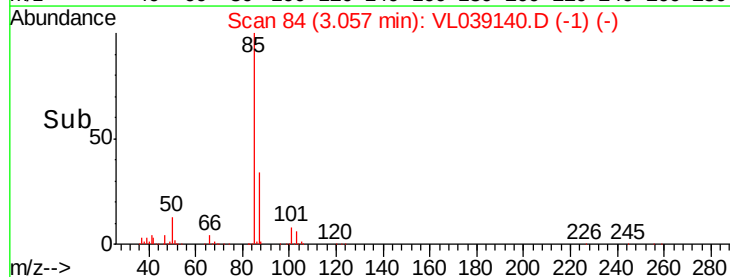
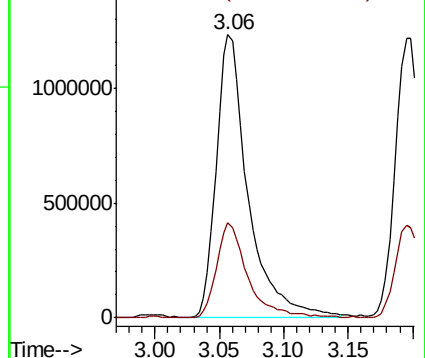
85 100

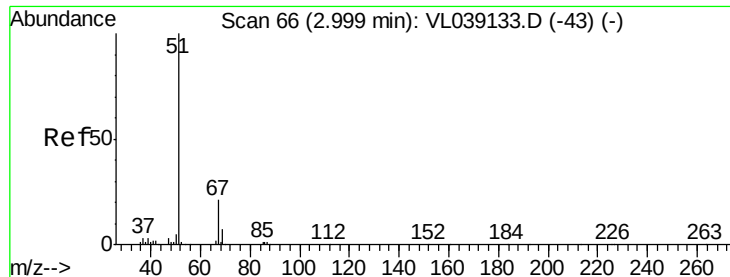
87 33.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.215 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

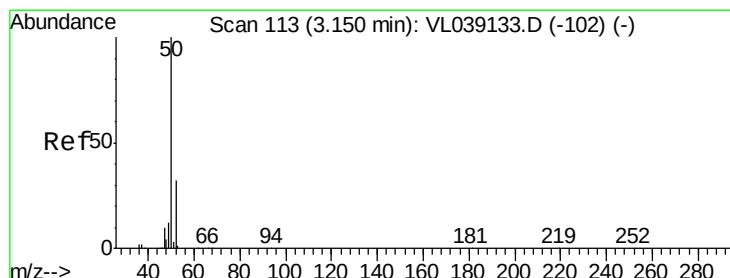
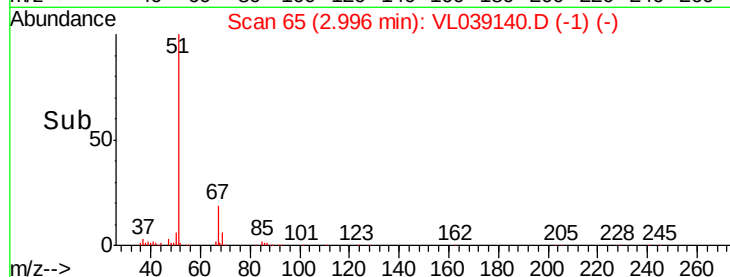
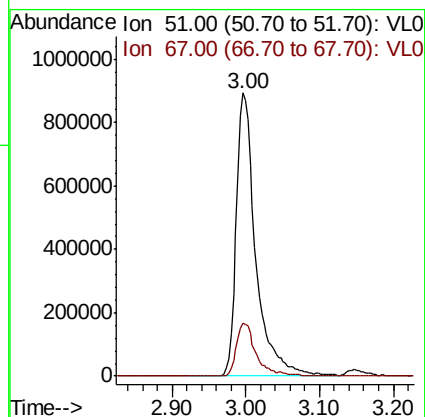
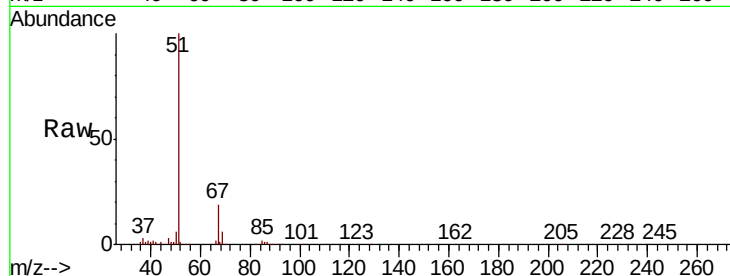
Acq: 31 May 2022 21:55

Tot Ion: 51 Resp: 1636091

Ion Ratio Lower Upper

51 100

67 19.3 16.2 24.4



#4

Chloromethane

Concen: 9.536 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL039140.D

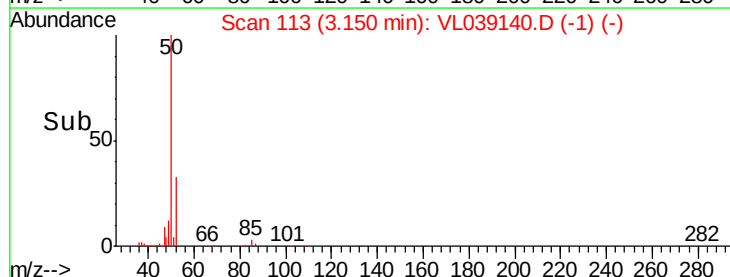
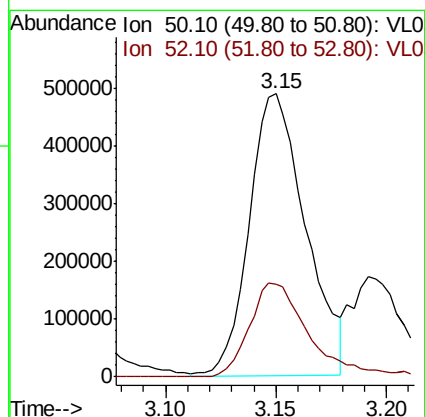
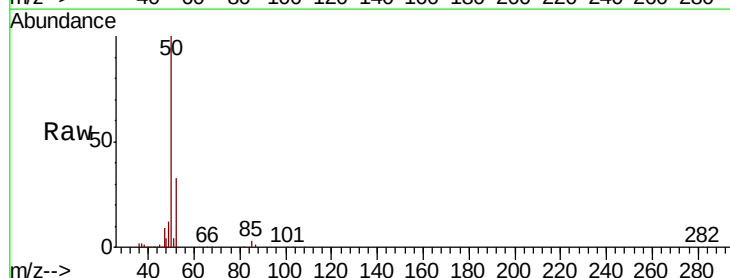
Acq: 31 May 2022 21:53

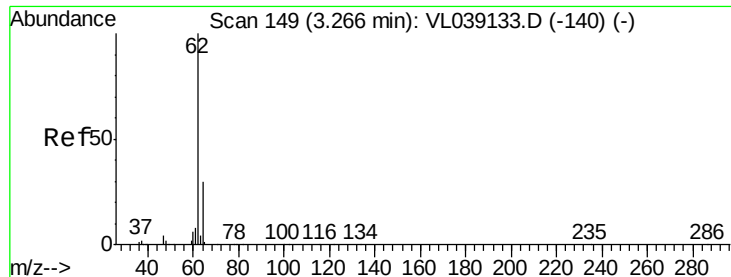
Tgt Ion: 50 Resp: 869614

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9





#5

Vinyl Chloride

Concen: 9.583 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

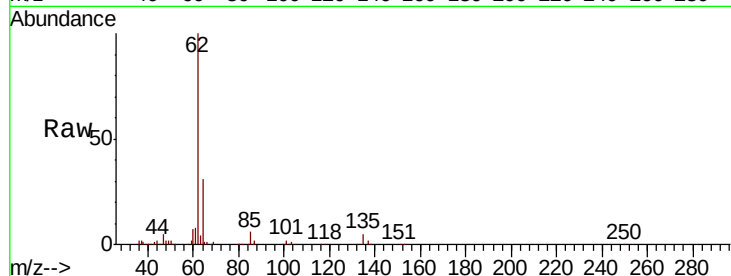
Acq: 31 May 2022 21:55

Tot Ion: 62 Resp: 816961

Ion Ratio Lower Upper

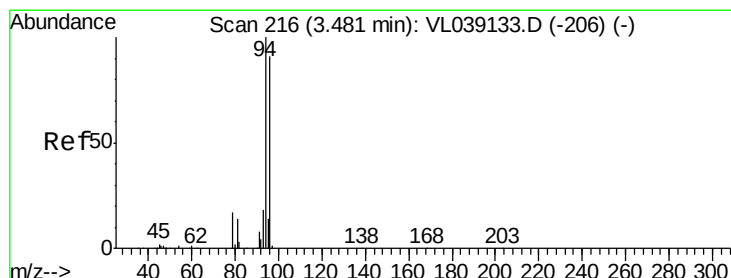
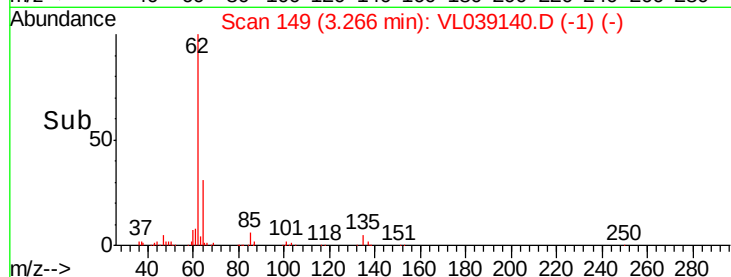
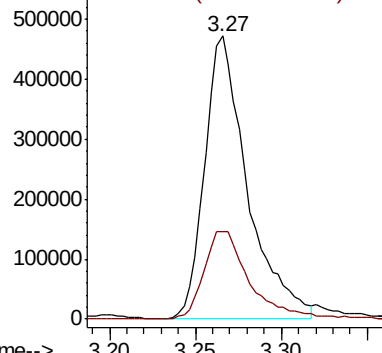
62 100

64 30.9 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.365 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL039140.D

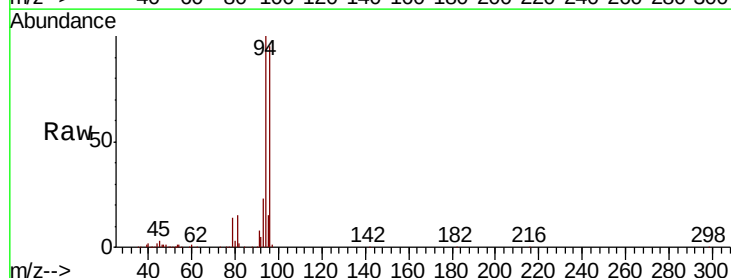
Acq: 31 May 2022 21:53

Tgt Ion: 94 Resp: 392737

Ion Ratio Lower Upper

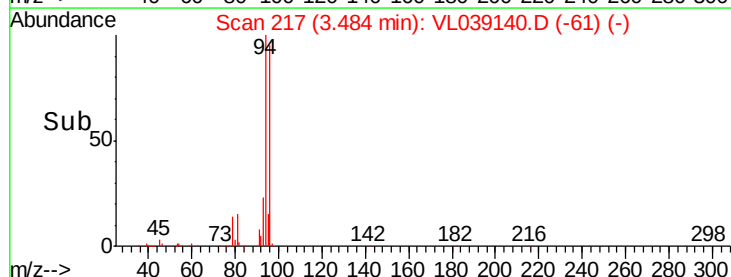
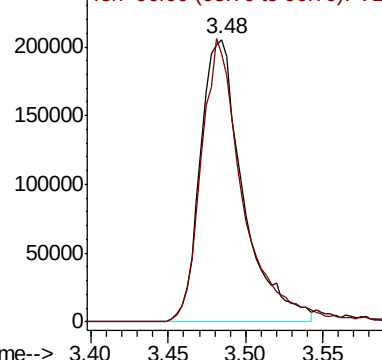
94 100

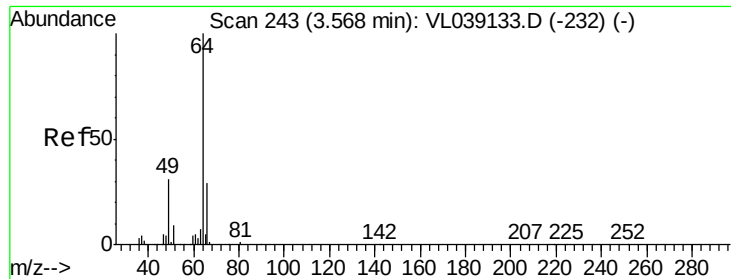
96 94.7 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.472 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

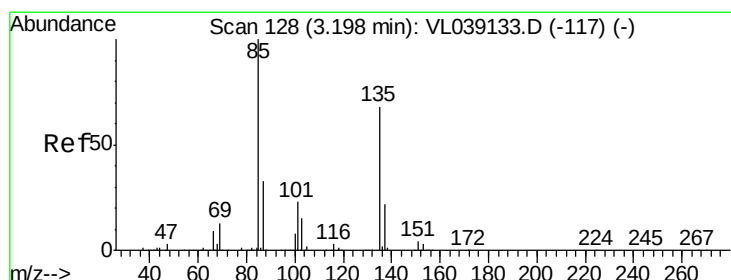
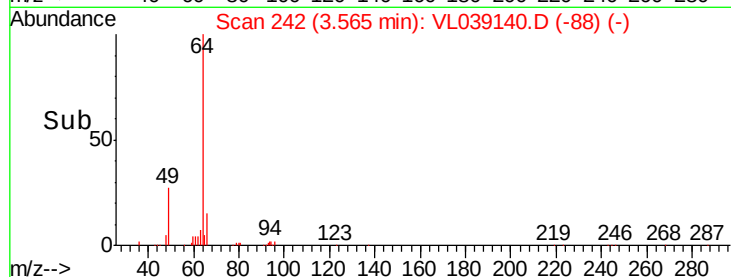
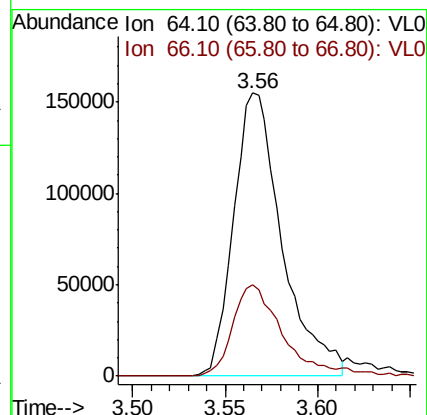
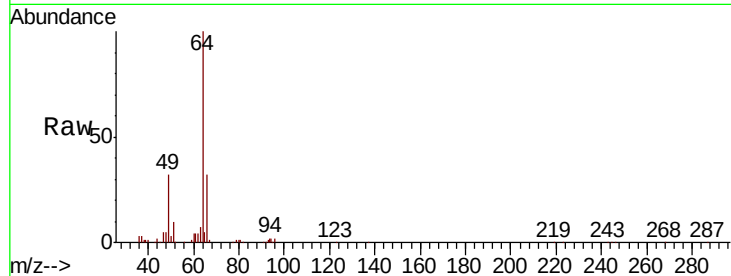
Acq: 31 May 2022 21:55

Tot Ion: 64 Resp: 281368

Ion Ratio Lower Upper

64 100

66 32.1 23.6 35.4



#8

Dichlorotetrafluoroethane

Concen: 9.060 ppbv

RT: 3.20 min Scan# 128

Delta R.T. -0.00 min

Lab File: VL039140.D

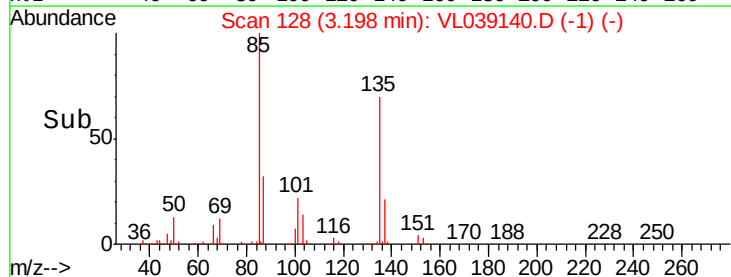
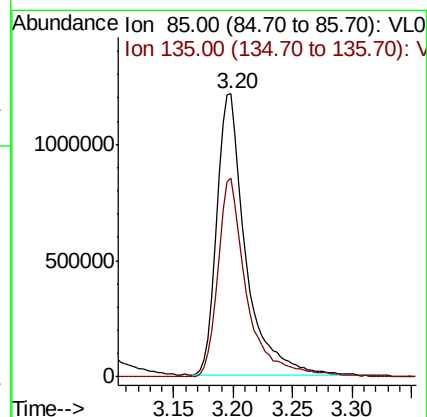
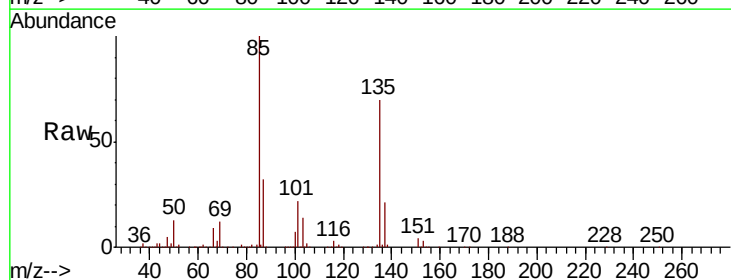
Acq: 31 May 2022 21:53

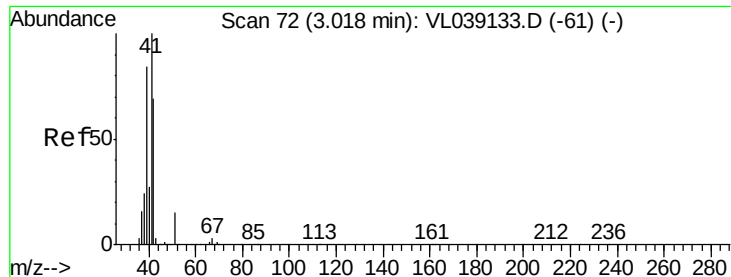
Tgt Ion: 85 Resp: 2029330

Ion Ratio Lower Upper

85 100

135 71.3 55.0 82.4





#9

Propene

Concen: 9.476 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

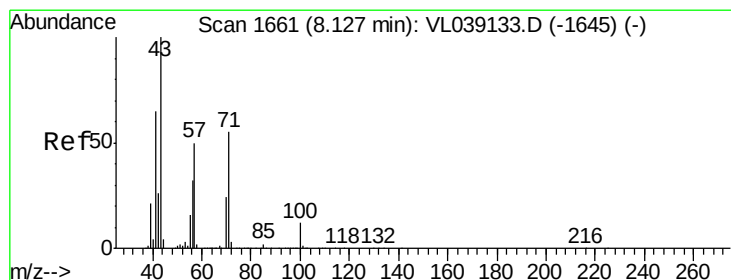
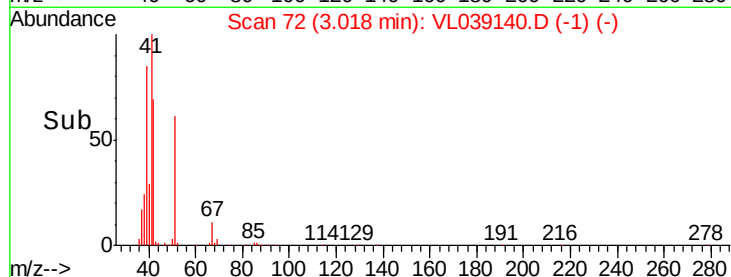
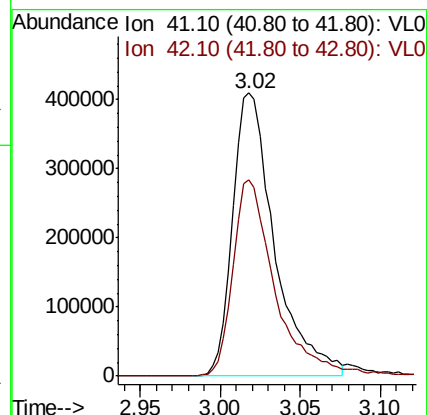
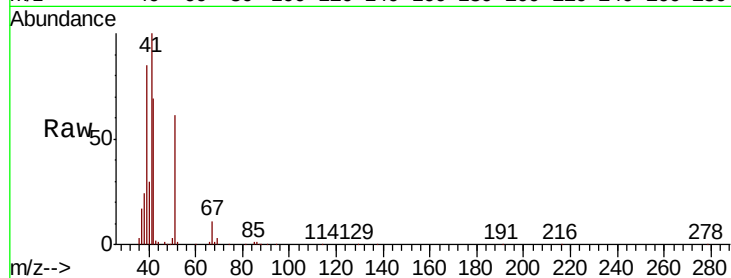
Acq: 31 May 2022 21:55

Tot Ion: 41 Resp: 733584

Ion Ratio Lower Upper

41 100

42 70.7 55.4 83.2



#10

Heptane

Concen: 9.829 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL039140.D

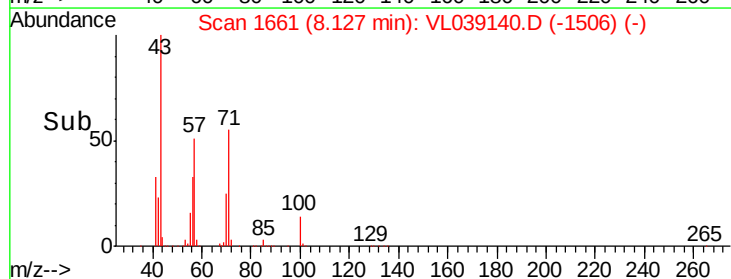
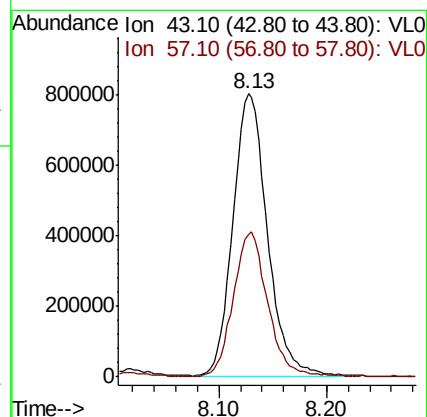
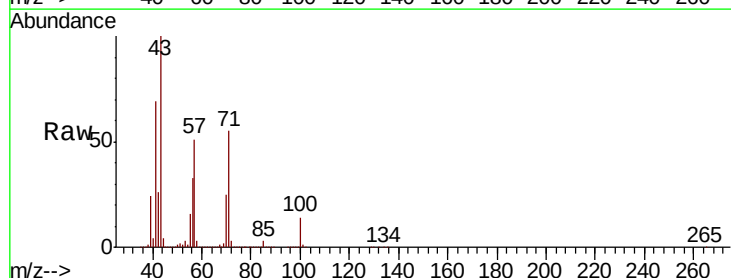
Acq: 31 May 2022 21:53

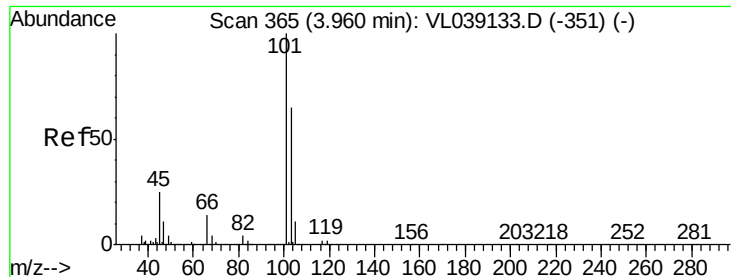
Tgt Ion: 43 Resp: 1775033

Ion Ratio Lower Upper

43 100

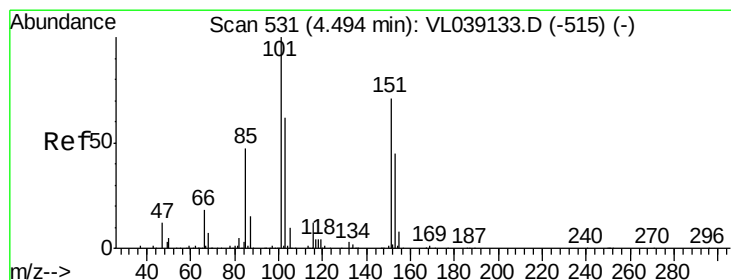
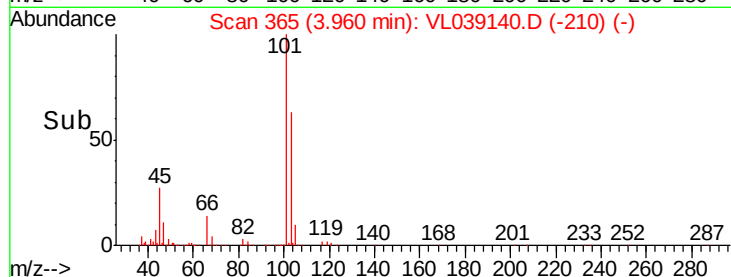
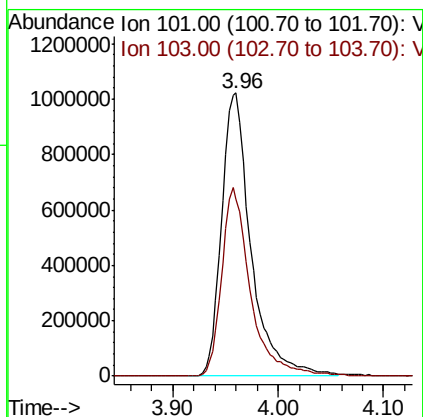
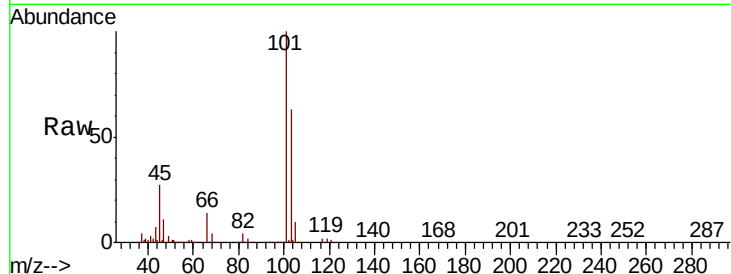
57 51.1 41.4 62.2





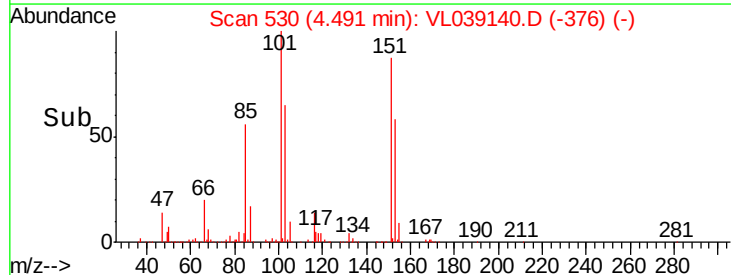
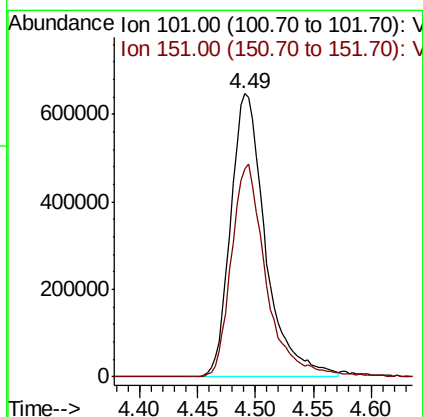
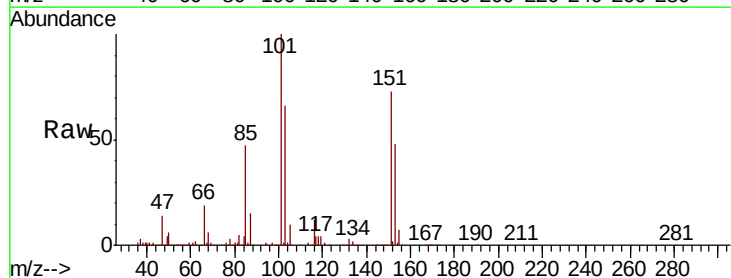
#11
 Trichlorofluoromethane
 Concen: 8.929 ppbv
 RT: 3.96 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 31 May 2022 21:55

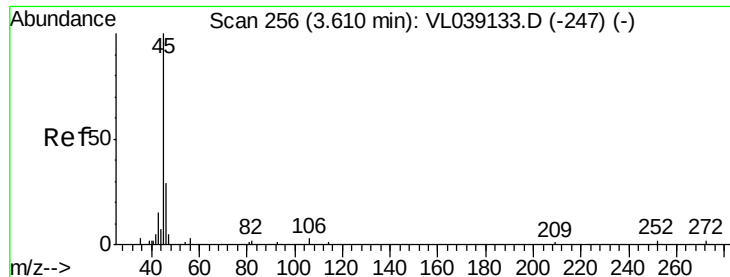
Tot Ion:101 Resp: 1980952
 Ion Ratio Lower Upper
 101 100
 103 62.8 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.178 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

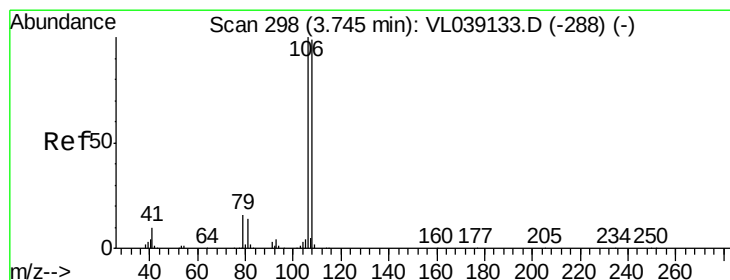
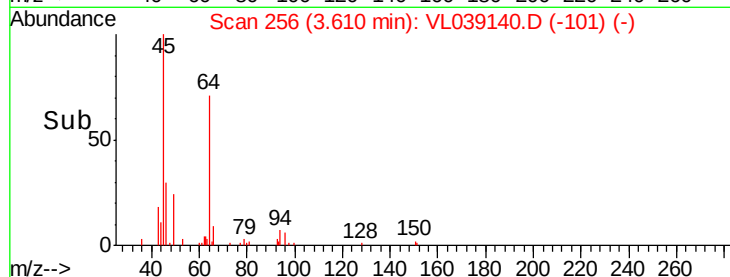
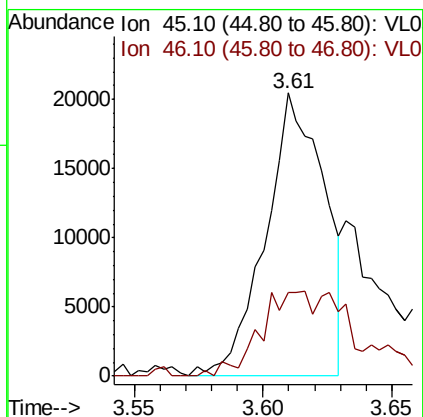
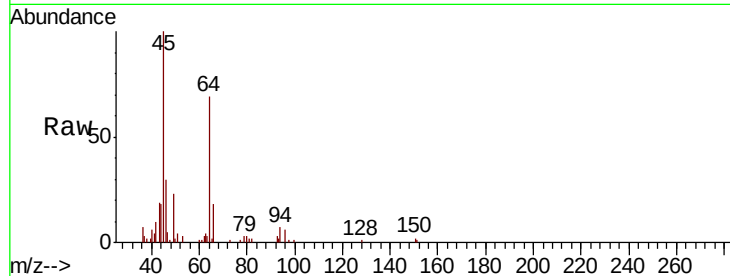
Tgt Ion:101 Resp: 1346484
 Ion Ratio Lower Upper
 101 100
 151 75.3 59.4 89.0





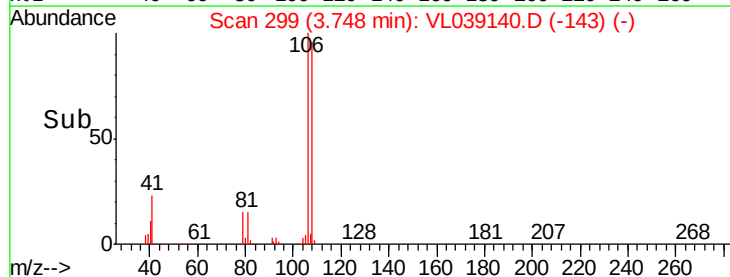
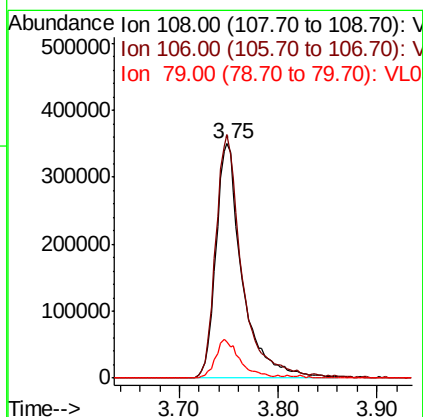
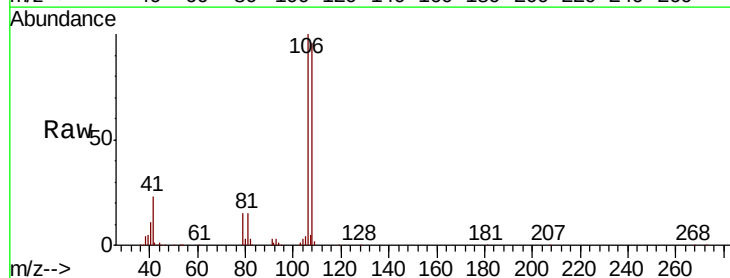
#13
Ethanol
Concen: 7.684 ppbv
RT: 3.61 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 31 May 2022 21:55

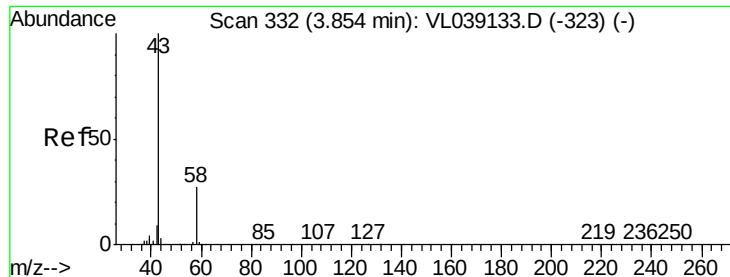
Tot Ion: 45 Resp: 32440
Ion Ratio Lower Upper
45 100
46 54.0 0.0 0.0#



#14
Bromoethene
Concen: 9.945 ppbv
RT: 3.75 min Scan# 299
Delta R.T.: 0.00 min
Lab File: VL039140.D
Acq: 31 May 2022 21:53

Tgt Ion: 108 Resp: 655907
Ion Ratio Lower Upper
108 100
106 104.6 88.4 132.6
79 16.8 13.4 20.2





#15

Acetone

Concen: 8.973 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

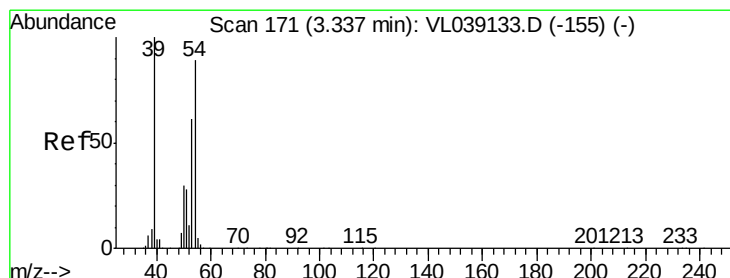
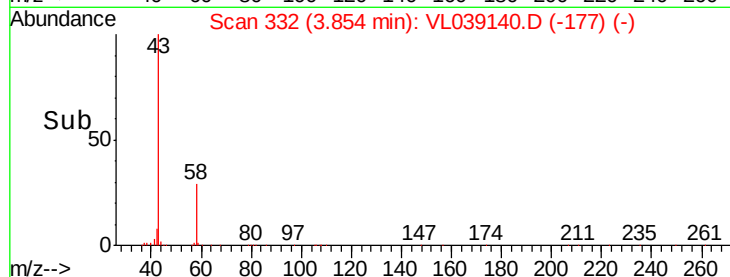
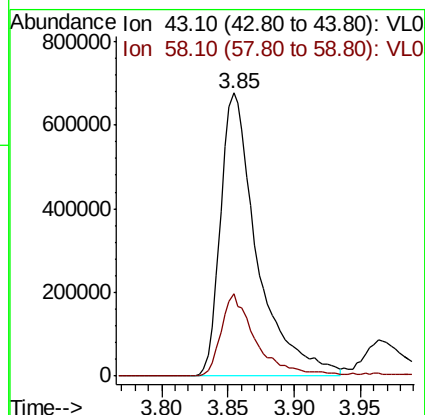
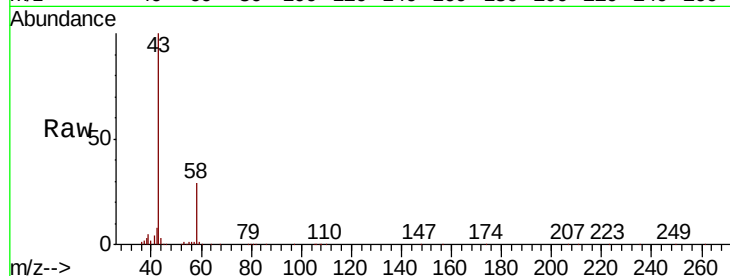
Acq: 31 May 2022 21:55

Tot Ion: 43 Resp: 1304222

Ion Ratio Lower Upper

43 100

58 29.4 22.5 33.7



#16

1,3-Butadiene

Concen: 9.689 ppbv

RT: 3.33 min Scan# 170

Delta R.T. -0.00 min

Lab File: VL039140.D

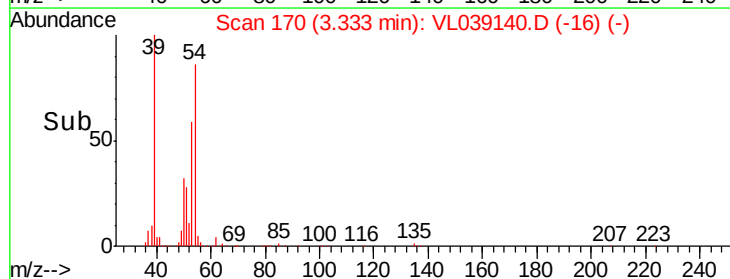
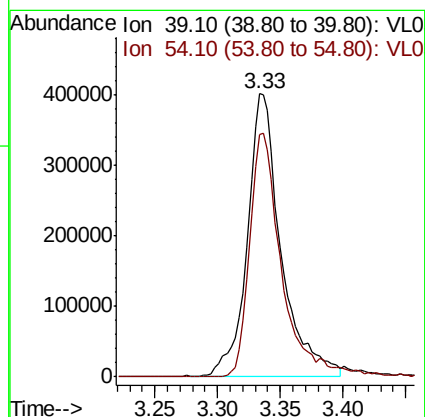
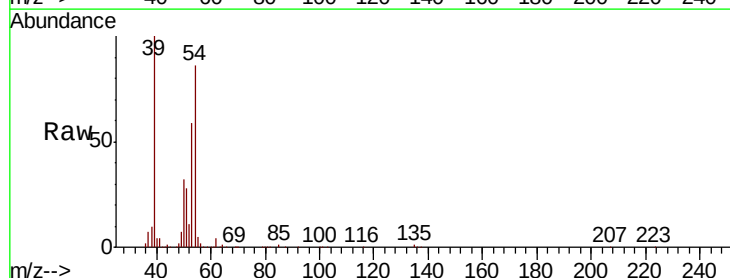
Acq: 31 May 2022 21:53

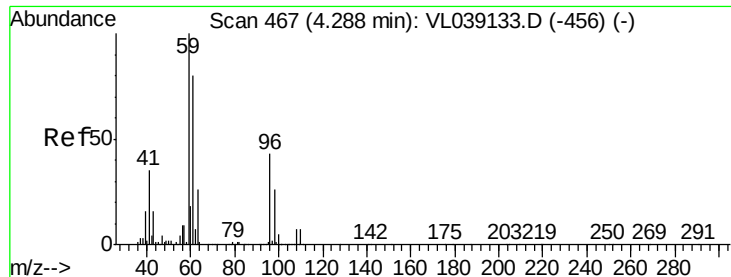
Tgt Ion: 39 Resp: 757061

Ion Ratio Lower Upper

39 100

54 82.7 65.8 98.6





#17

tert-Butyl alcohol

Concen: 10.694 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

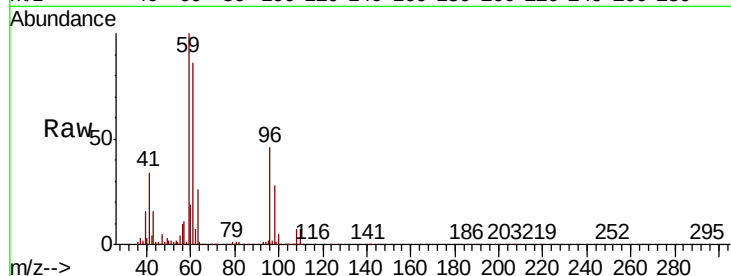
Acq: 31 May 2022 21:53

Tot Ion: 59 Resp: 1205648

Ion Ratio Lower Upper

59 100

57 10.7 9.1 13.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

600000

500000

400000

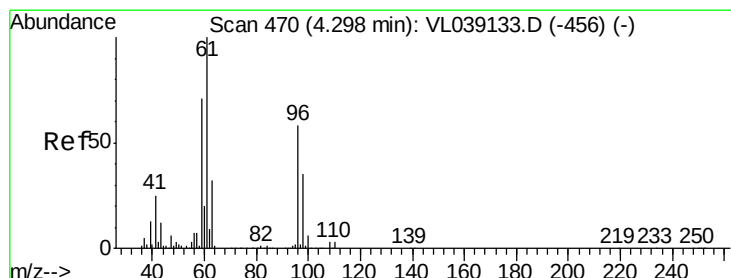
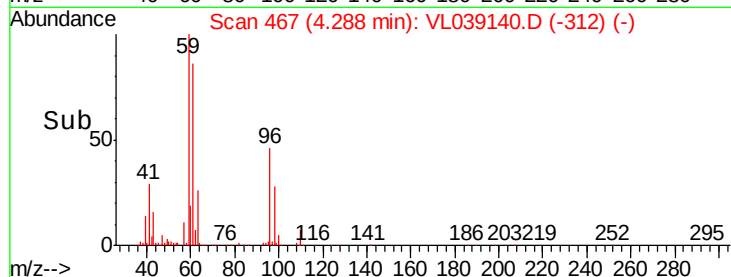
300000

200000

100000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 9.436 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

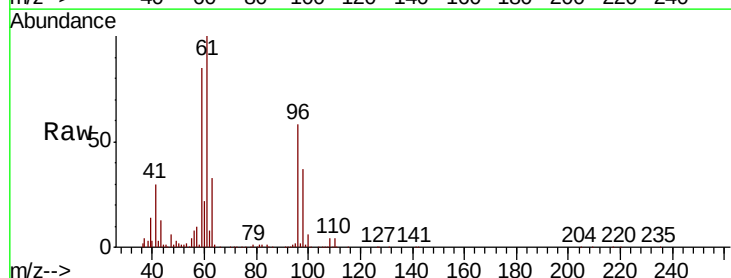
Tgt Ion: 96 Resp: 621043

Ion Ratio Lower Upper

96 100

61 172.0 138.4 207.6

98 63.7 47.8 71.8



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

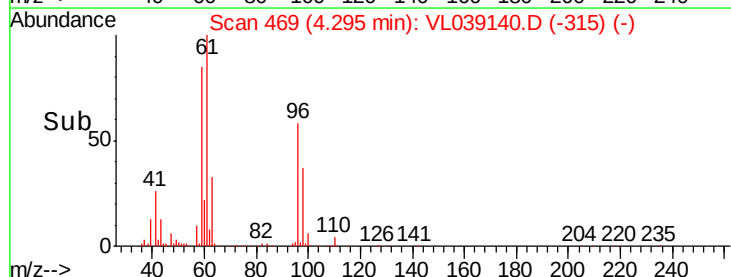
600000

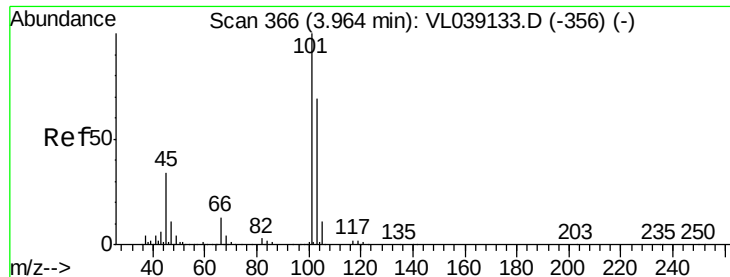
400000

200000

0

Time--> 4.25 4.30 4.35





#19

Isopropyl Alcohol

Concen: 10.734 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

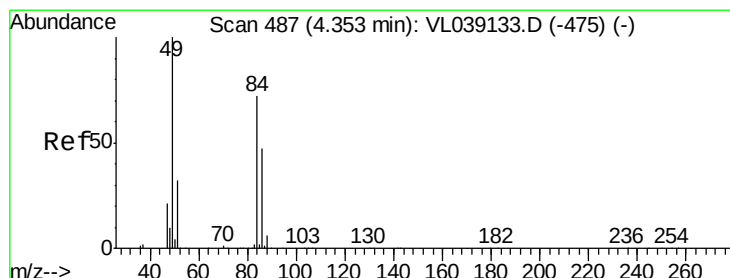
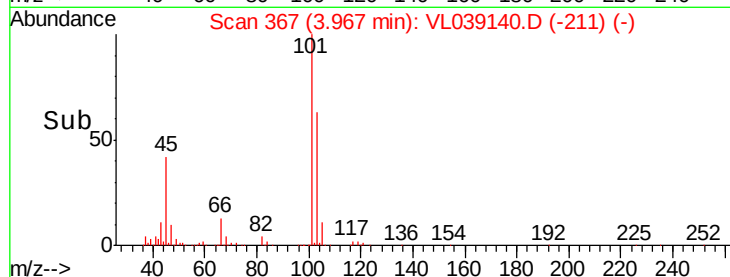
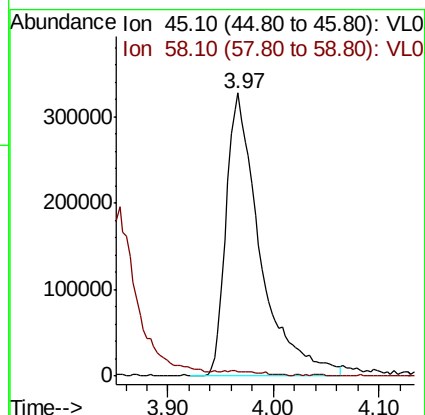
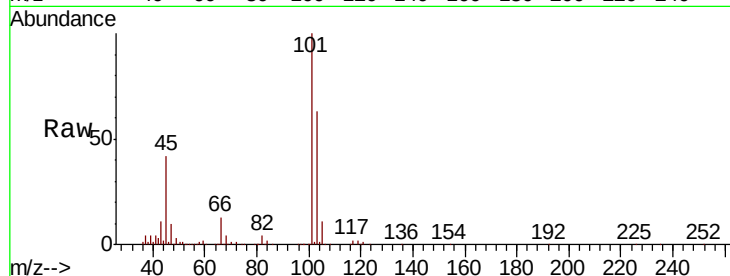
Acq: 31 May 2022 21:55

Tot Ion: 45 Resp: 731758

Ion Ratio Lower Upper

45 100

58 1.6 1.8 2.8#



#20

Methylene Chloride

Concen: 8.066 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

Tgt Ion: 84 Resp: 494037

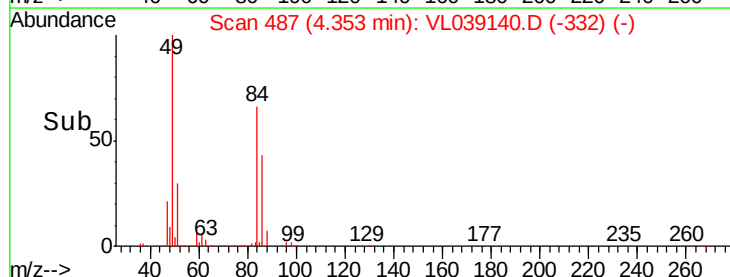
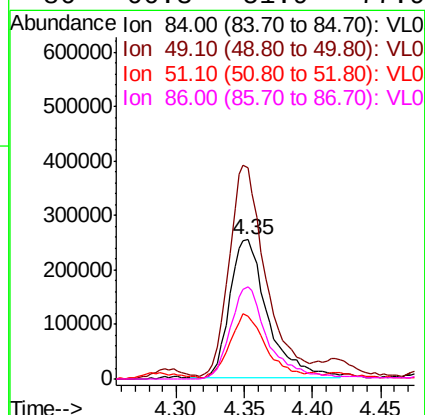
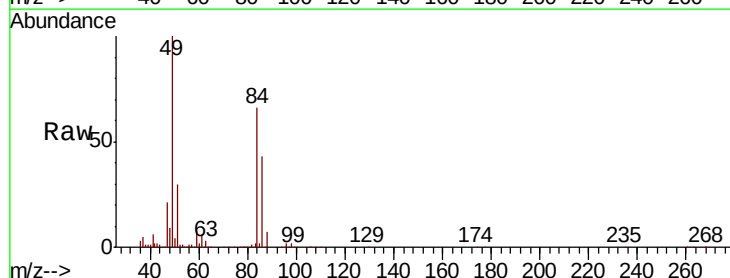
Ion Ratio Lower Upper

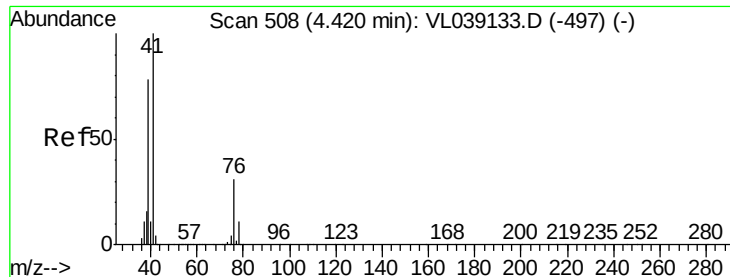
84 100

49 150.2 111.1 166.7

51 44.1 35.3 52.9

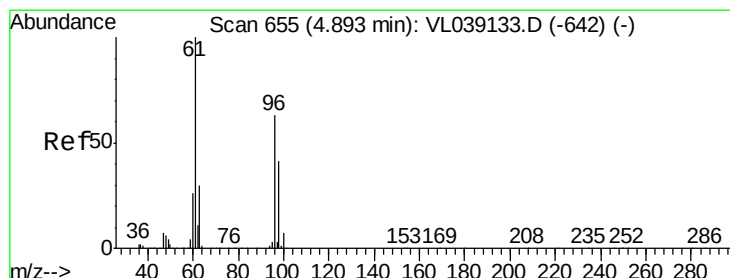
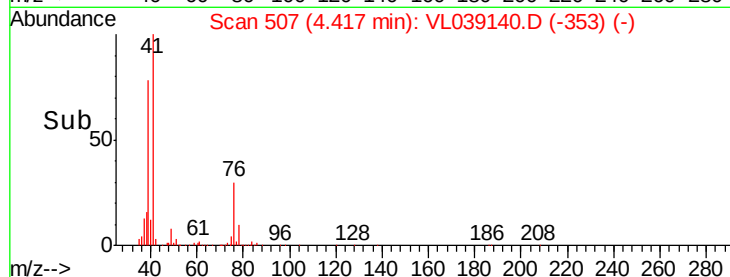
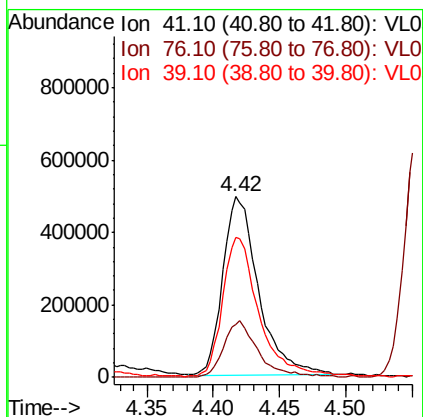
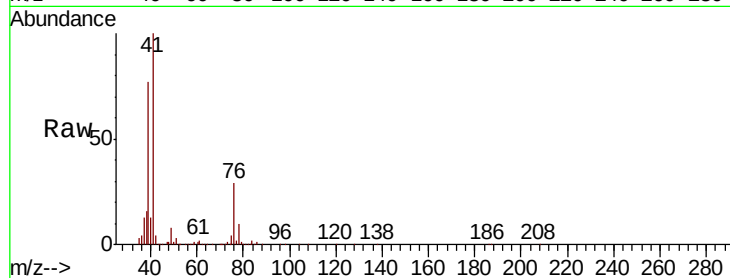
86 66.3 51.9 77.9





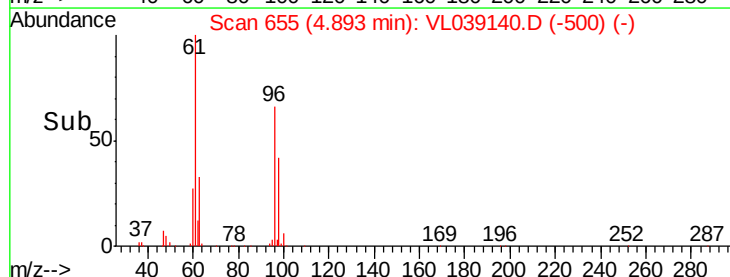
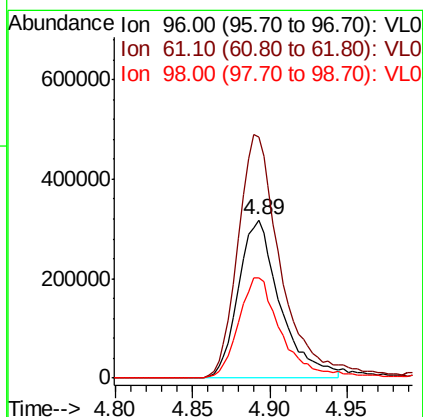
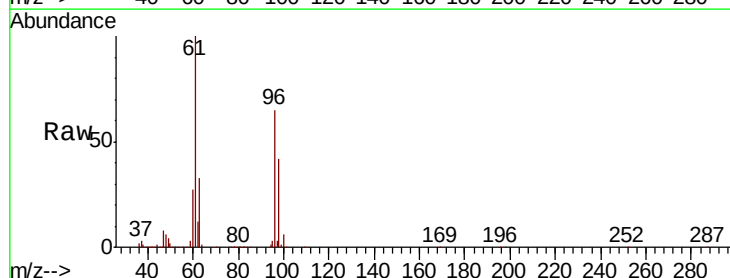
#21
 Allvl Chloride
 Concen: 9.499 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 31 May 2022 21:55

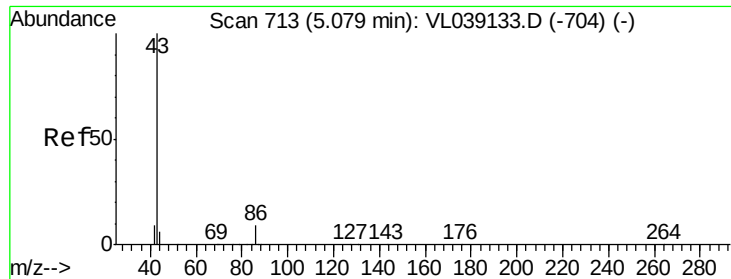
Tot Ion	Ratio	Lower	Upper
41	100		
76	30.8	24.2	36.2
39	78.8	62.2	93.2



#22
 trans-1,2-Dichloroethene
 Concen: 9.436 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	126.6	190.0
98	63.8	52.5	78.7





#23

Vinyl Acetate

Concen: 11.073 ppbv

RT: 5.08 Instrument:

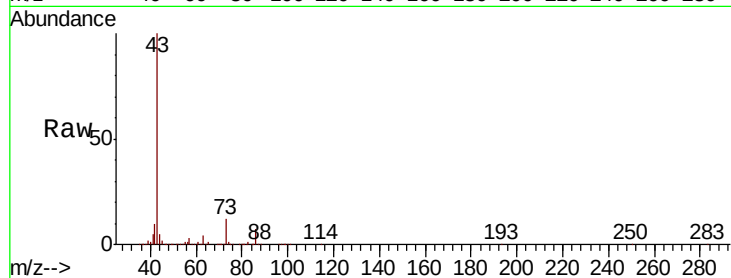
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 31 May 2022 21:55

Tot Ion: 43 Resp: 1331642

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.0	9.0
42	9.8	8.2	12.4
44	4.7	4.3	6.5



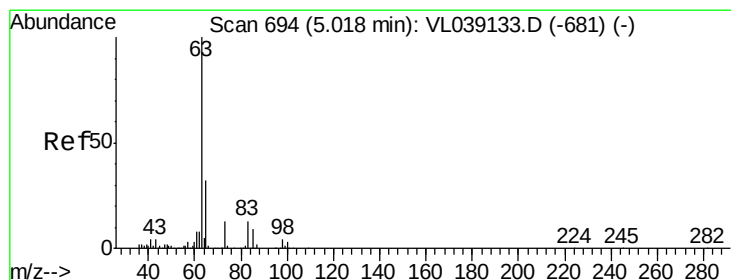
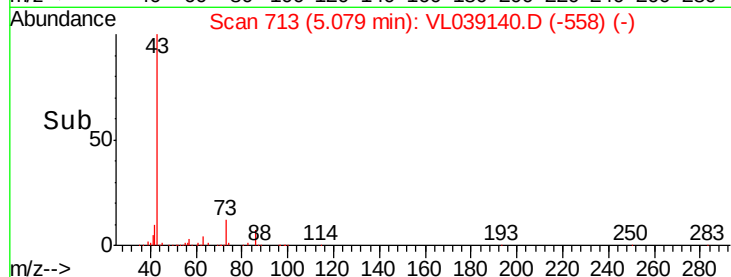
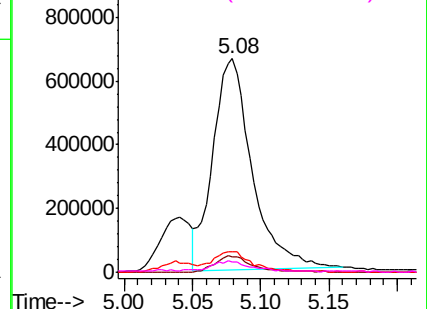
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.085 ppbv

RT: 5.02 min Scan# 694

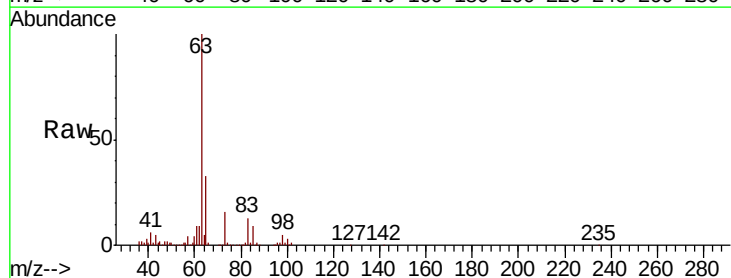
Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

Tgt Ion: 63 Resp: 1496917

Ion	Ratio	Lower	Upper
63	100		
98	5.2	2.1	6.2
100	3.2	1.5	4.5

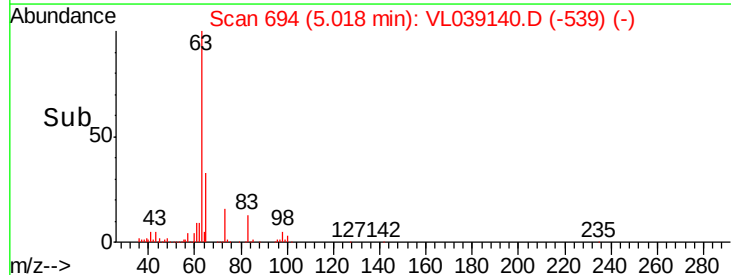
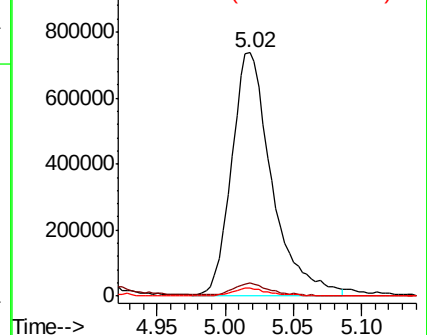


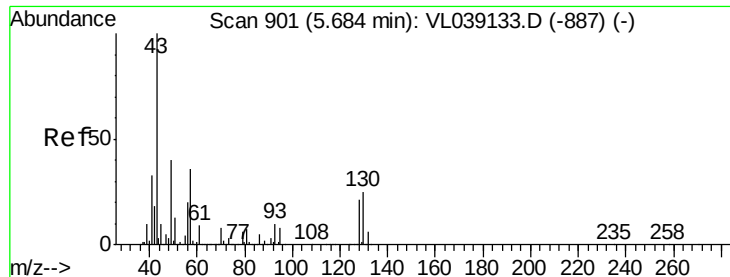
Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

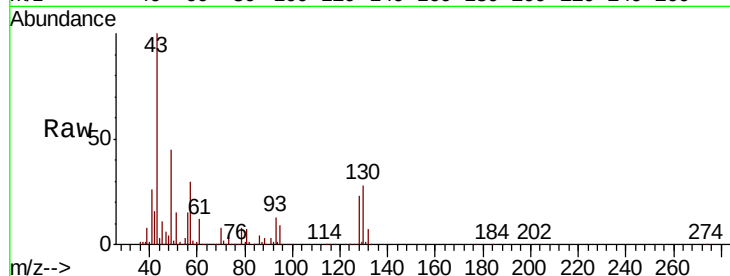
Ion 100.00 (99.70 to 100.70): VL0



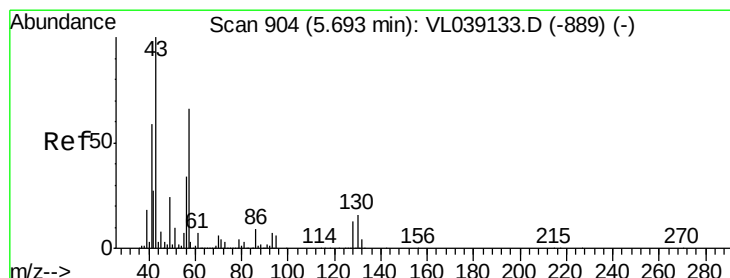
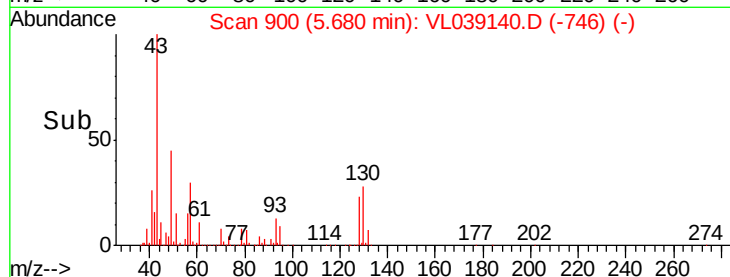
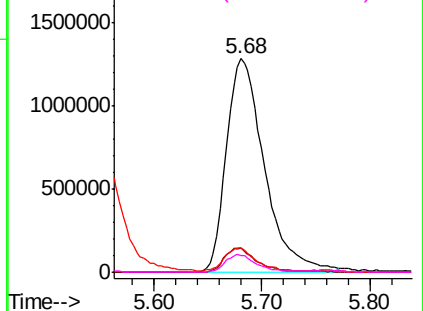


#25
Ethyl Acetate
Concen: 9.555 ppbv
RT: 5.68 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 31 May 2022 21:55

Tot Ion:	43	Resp:	3130131
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	10.1	8.4	12.6
70	7.0	5.6	8.4

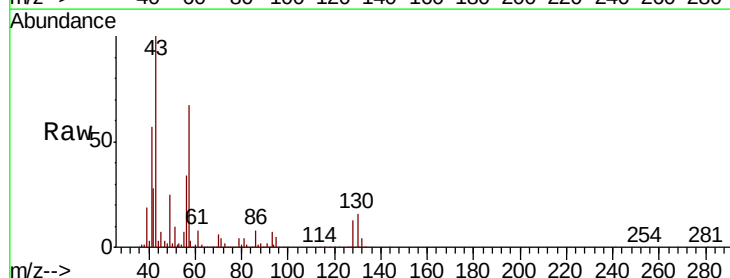


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

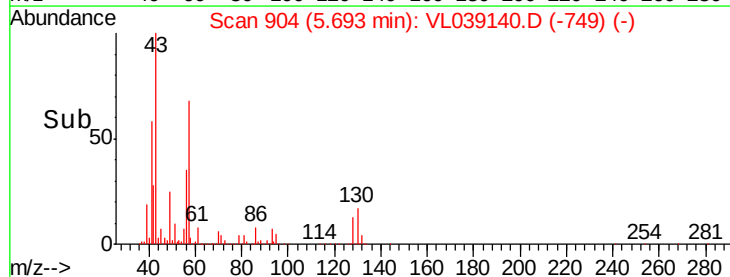
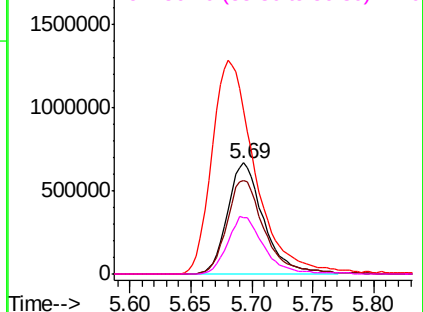


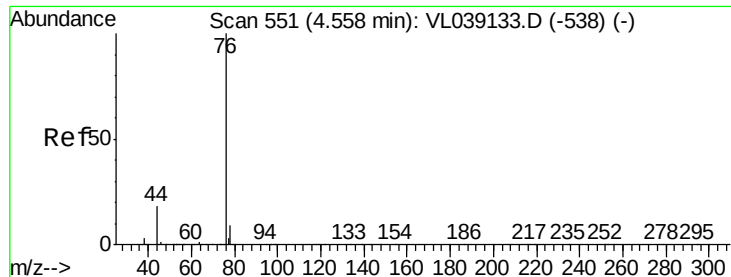
#26
Hexane
Concen: 9.563 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL039140.D
Acq: 31 May 2022 21:53

Tgt Ion:	57	Resp:	1376729
Ion	Ratio	Lower	Upper
57	100		
41	88.3	72.4	108.6
43	231.3	187.0	280.6
56	52.3	41.8	62.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.522 ppbv

RT: 4.56 Instrument:

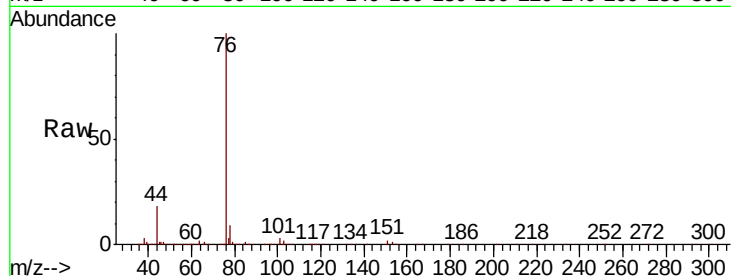
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

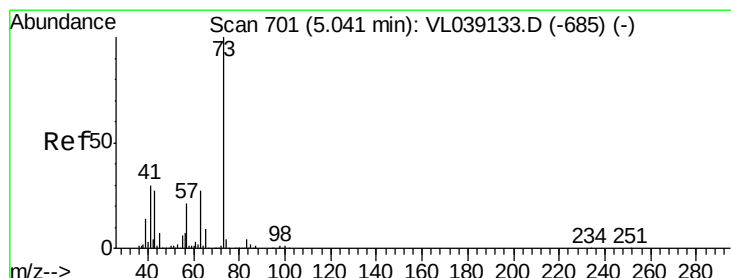
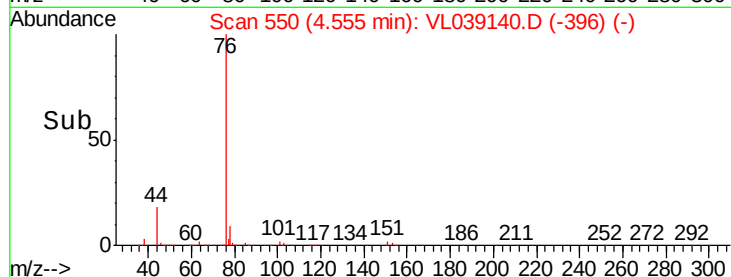
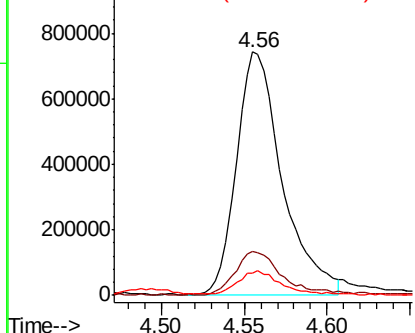
Acq: 31 May 2022 21:55

Tot Ion: 76 Resp: 1420856

Ion	Ratio	Lower	Upper
76	100		
44	19.1	14.4	21.6
78	10.2	7.7	11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.610 ppbv

RT: 5.04 min Scan# 701

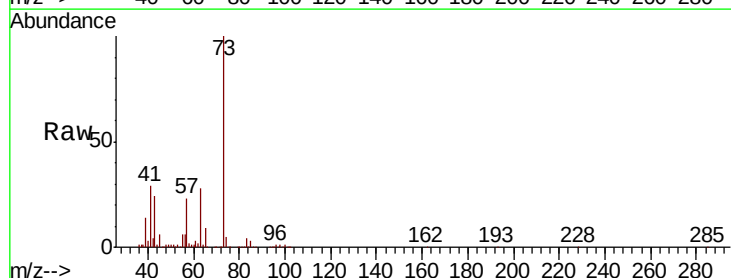
Delta R.T. -0.00 min

Lab File: VL039140.D

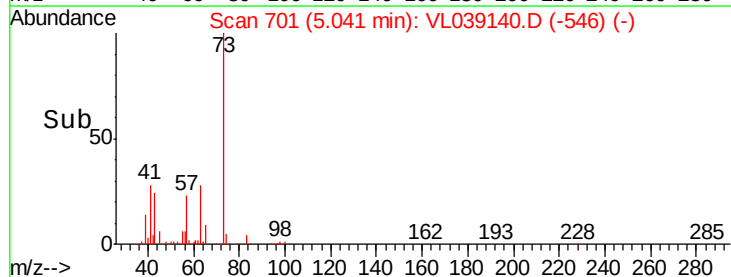
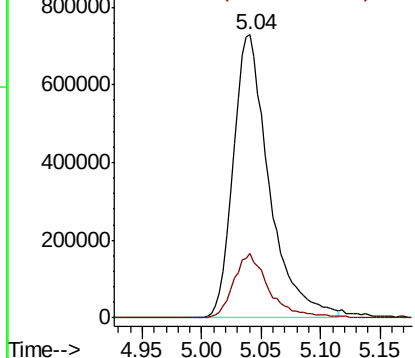
Acq: 31 May 2022 21:53

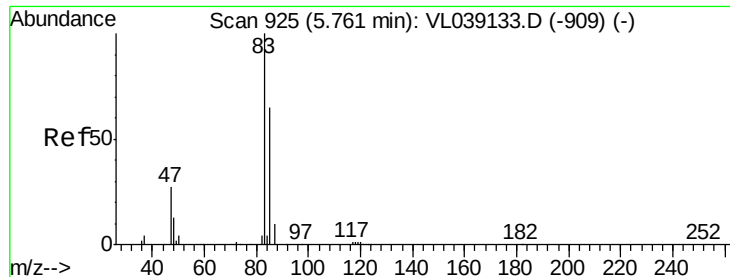
Tgt Ion: 73 Resp: 1527336

Ion	Ratio	Lower	Upper
73	100		
57	22.7	18.6	27.8



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.364 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

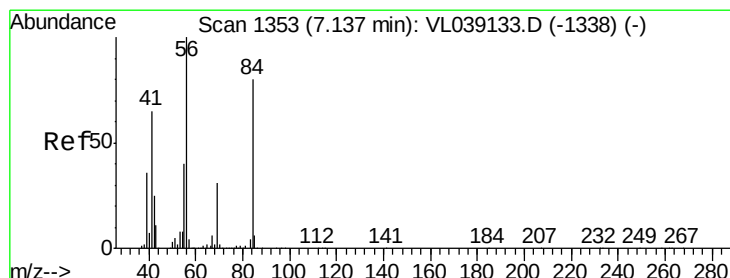
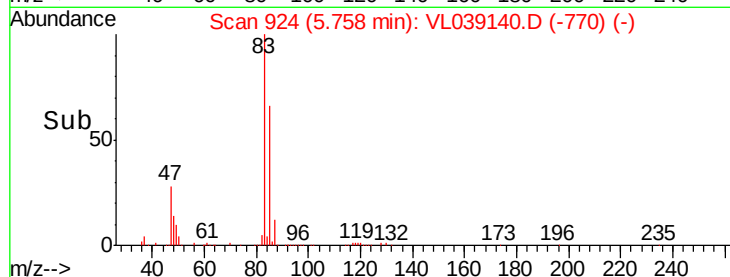
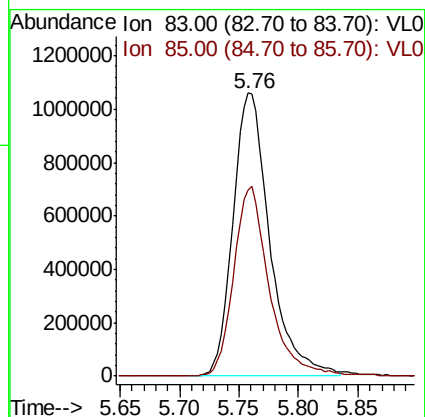
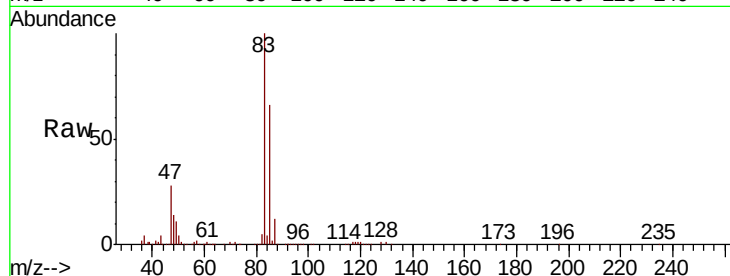
Acq: 31 May 2022 21:55

Tot Ion: 83 Resp: 2268470

Ion Ratio Lower Upper

83 100

85 65.4 52.4 78.6



#30

Cyclohexane

Concen: 9.452 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

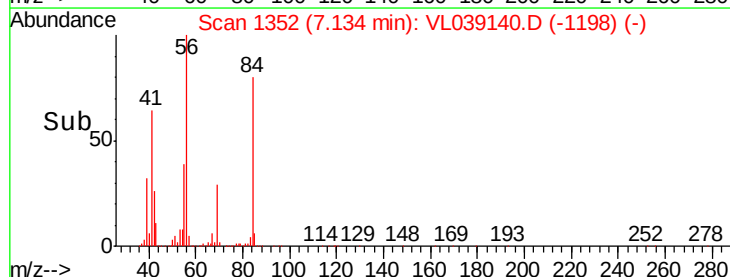
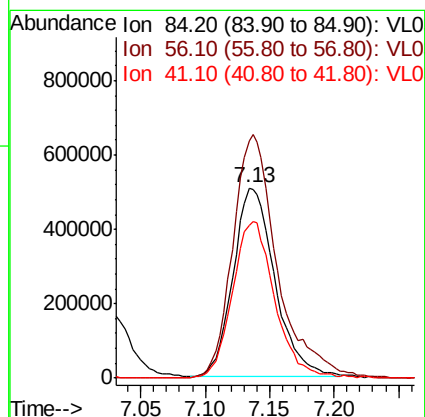
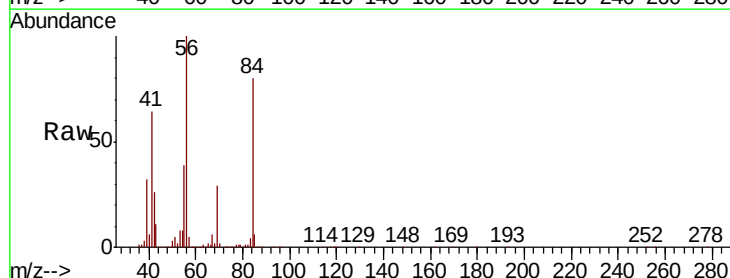
Tgt Ion: 84 Resp: 1143168

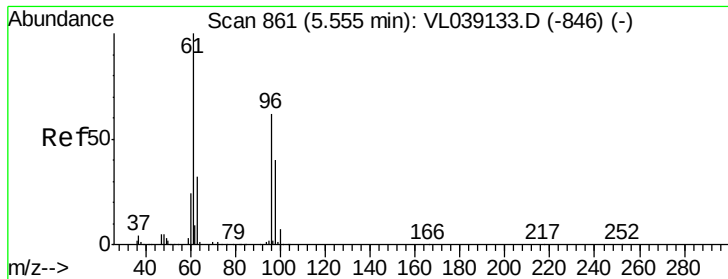
Ion Ratio Lower Upper

84 100

56 138.1 110.6 165.8

41 84.2 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 9.824 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 31 May 2022 21:55

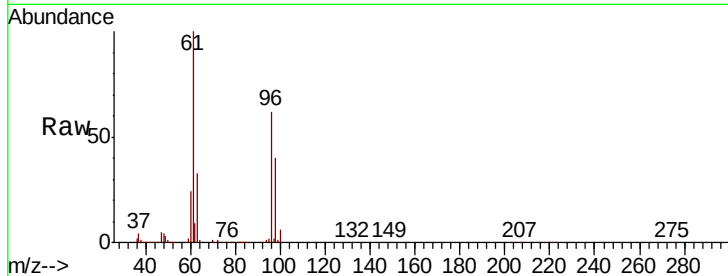
Tot Ion: 61 Resp: 1442035

Ion Ratio Lower Upper

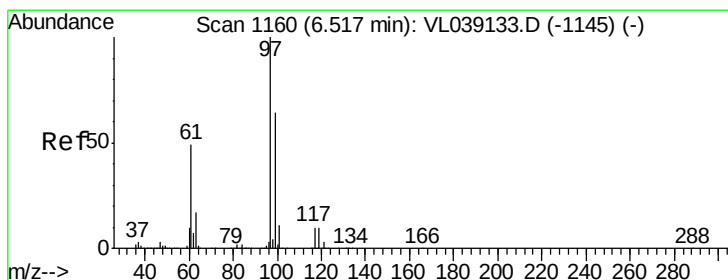
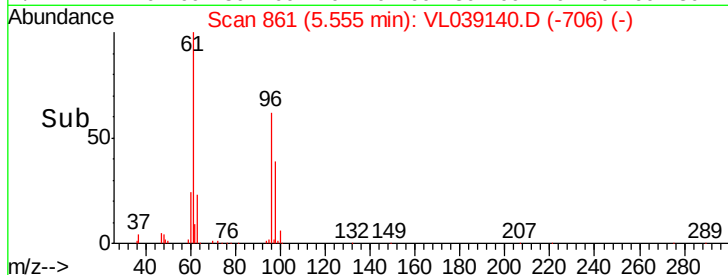
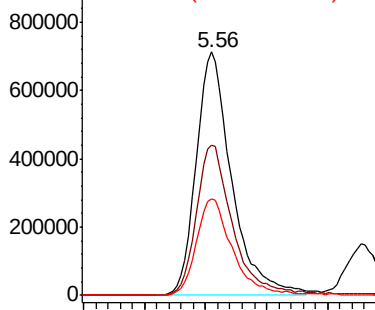
61 100

96 61.5 49.9 74.9

98 39.6 32.0 48.0



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.730 ppbv

RT: 6.52 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

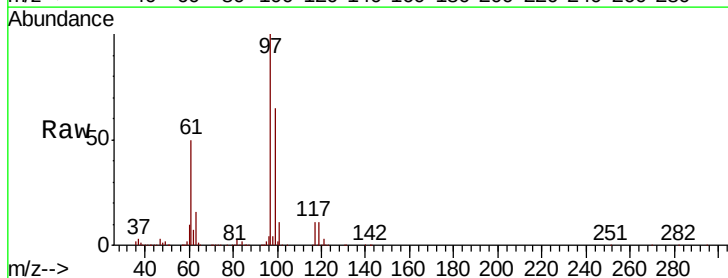
Tgt Ion: 97 Resp: 2306423

Ion Ratio Lower Upper

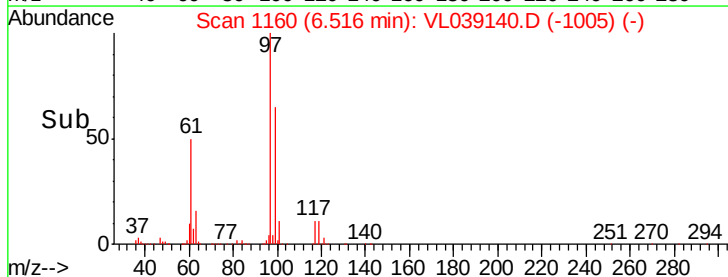
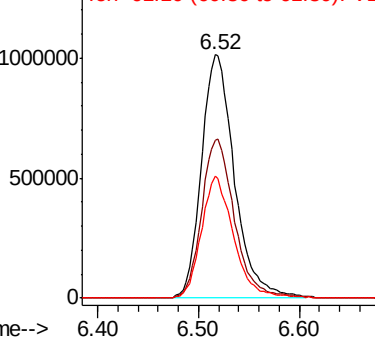
97 100

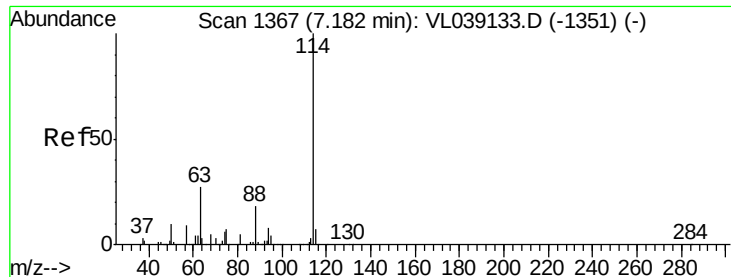
99 65.3 52.1 78.1

61 49.1 40.0 60.0



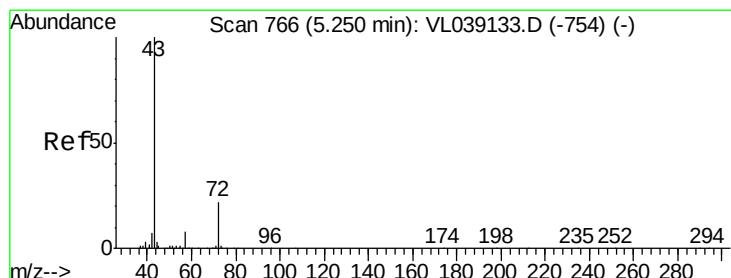
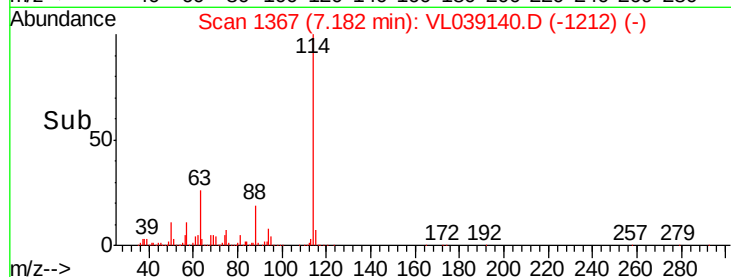
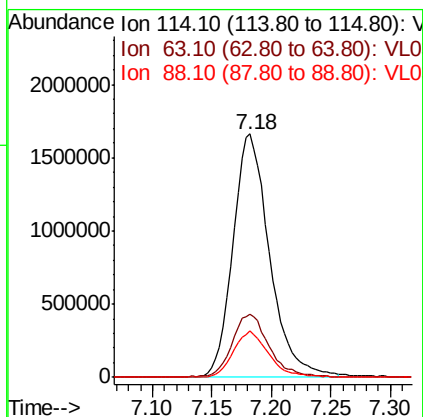
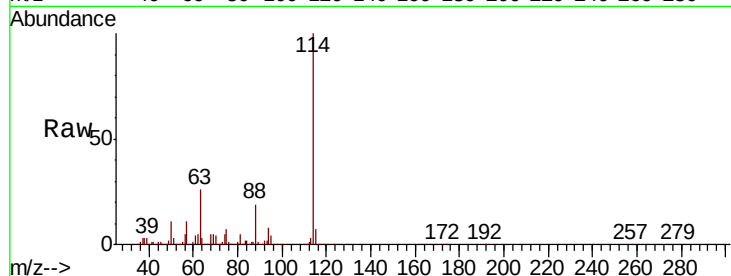
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





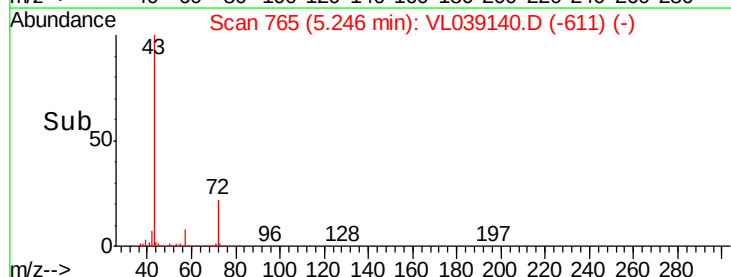
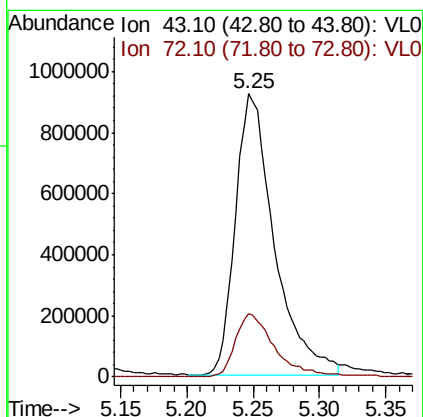
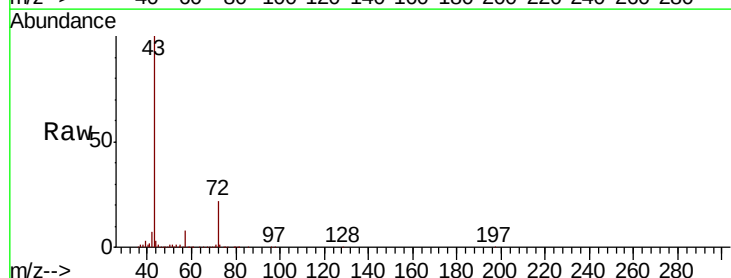
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 May 2022 21:55

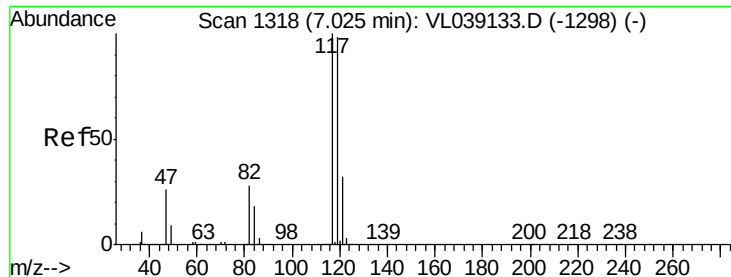
Tot Ion:114 Resp: 3551857
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.7 32.5
 88 18.6 14.8 22.2



#34
 2-Butanone
 Concen: 9.776 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T.: -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

Tgt Ion: 43 Resp: 1886472
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.2 27.2

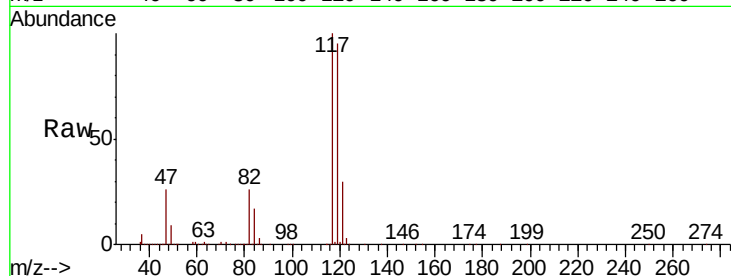




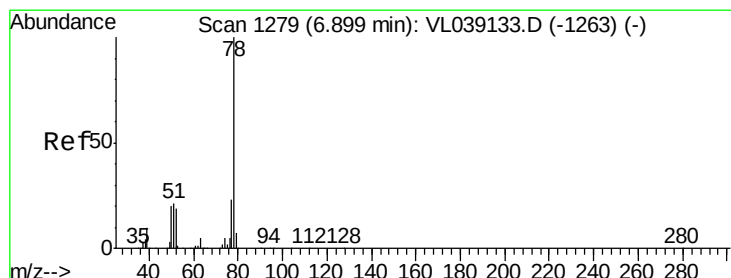
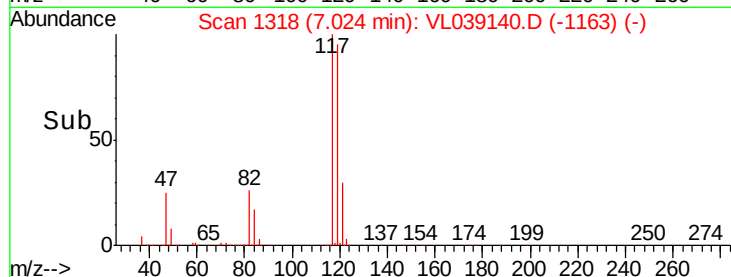
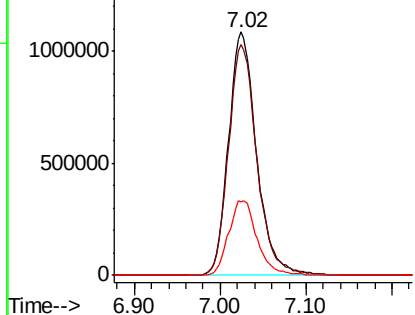
#35
 Carbon Tetrachloride
 Concen: 9.480 ppbv
 RT: 7.02 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 May 2022 21:55

Tot Ion:117 Resp: 2457678

Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.6	118.0
121	30.4	25.4	38.0



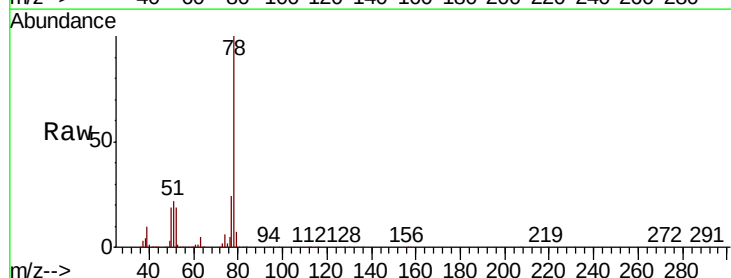
Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V



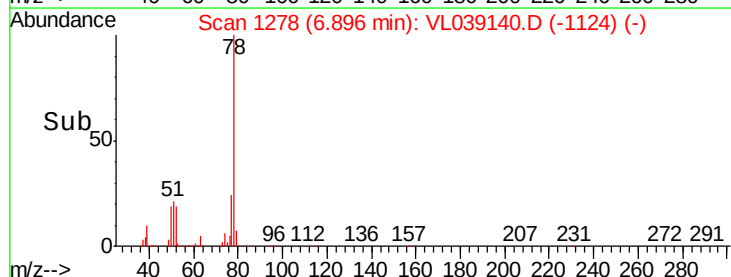
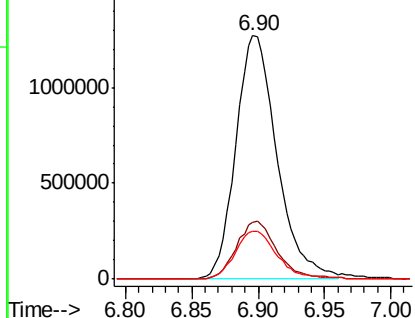
#36
 Benzene
 Concen: 9.528 ppbv
 RT: 6.90 min Scan# 1278
 Delta R.T. -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

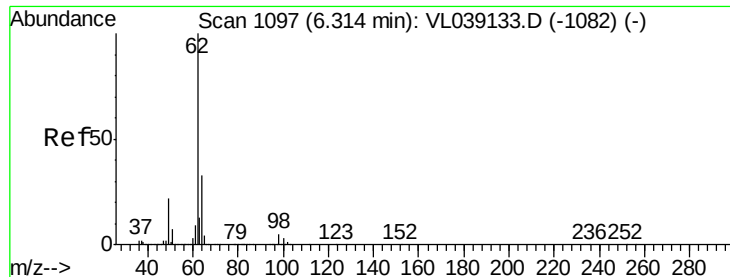
Tgt Ion: 78 Resp: 2747330

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	27.8
50	19.5	15.8	23.8



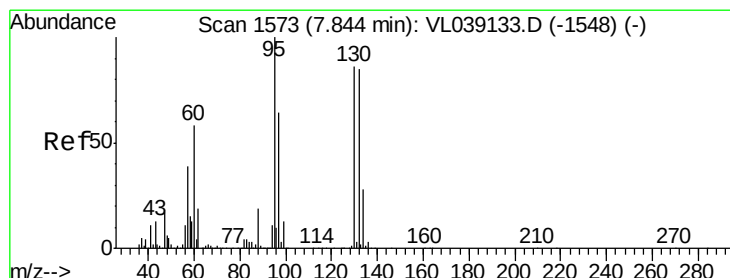
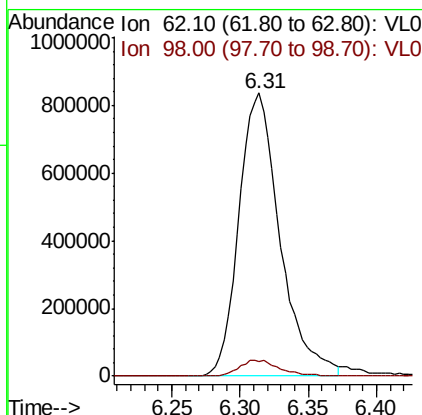
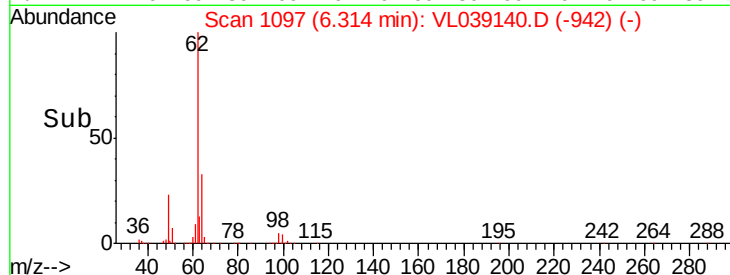
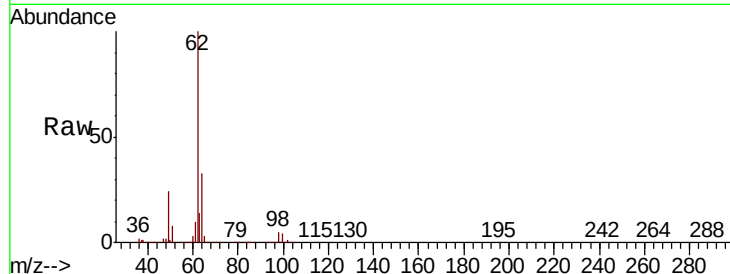
Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





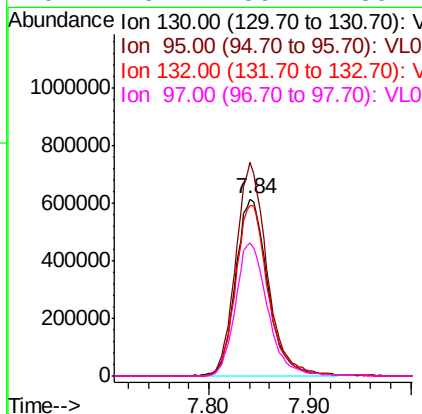
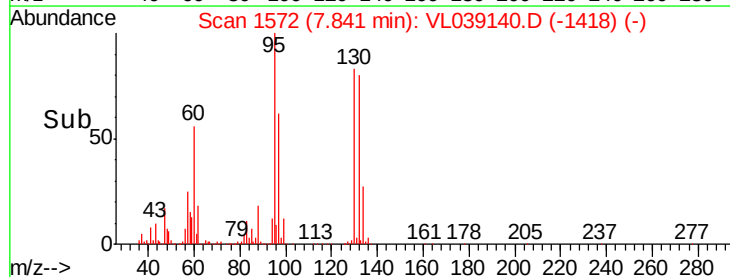
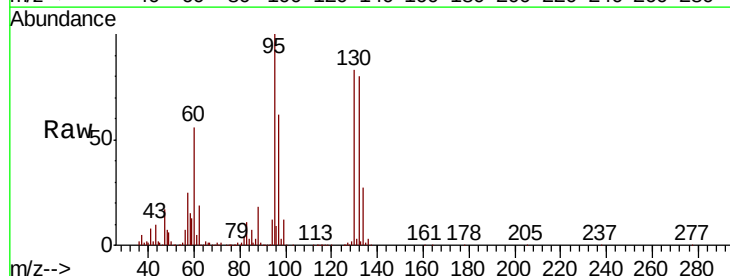
#37
 1,2-Dichloroethane
 Concen: 9.240 ppbv
 RT: 6.31
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 May 2022 21:55

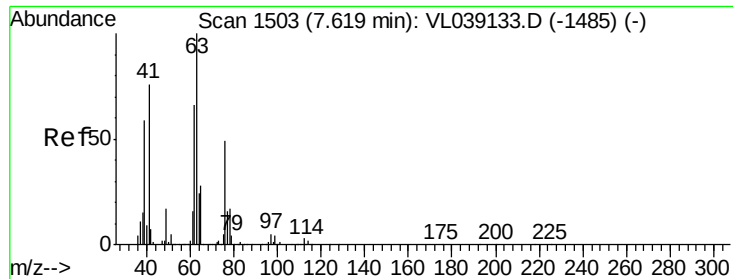
Tot Ion: 62 Resp: 1753547
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.3 6.5



#38
 Trichloroethene
 Concen: 10.169 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

Tgt Ion: 130 Resp: 1346929
 Ion Ratio Lower Upper
 130 100
 95 120.9 93.3 139.9
 132 96.6 79.0 118.4
 97 75.2 59.4 89.2





#39

1,2-Dichloropropane

Concen: 9.502 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 May 2022 21:55

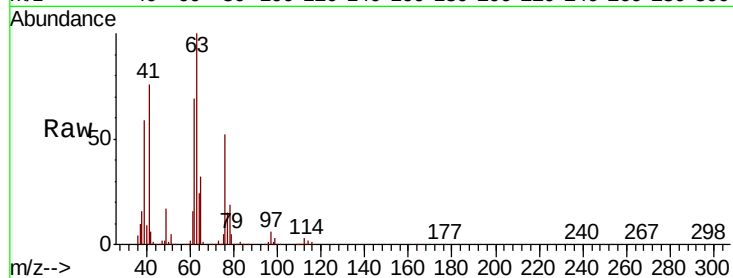
Tot Ion: 63 Resp: 1089883

Ion Ratio Lower Upper

63 100

41 75.8 60.8 91.2

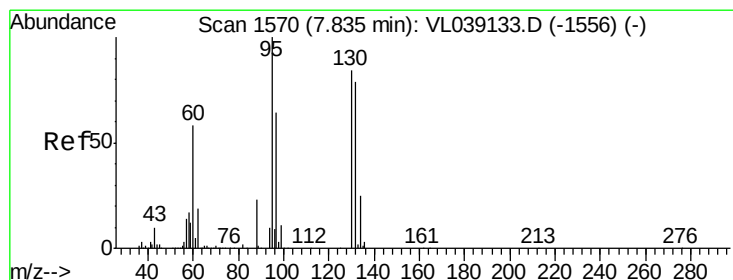
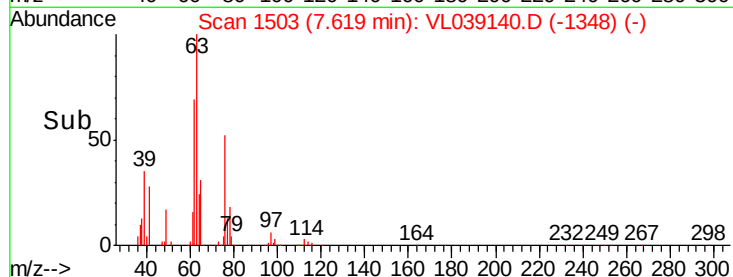
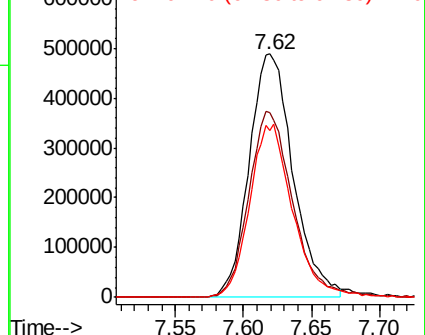
62 68.6 52.9 79.3



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: 9.529 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

Tgt Ion: 88 Resp: 359820

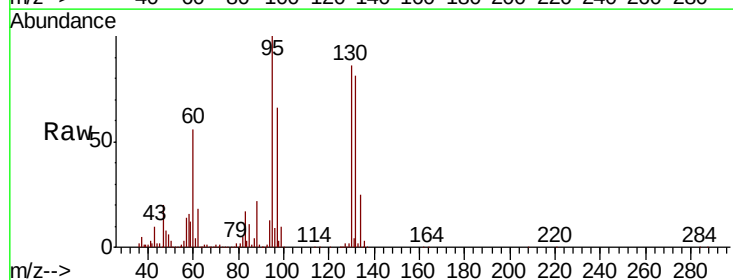
Ion Ratio Lower Upper

88 100

58 138.7 111.2 166.8

43 0.0 234.2 351.4#

57 0.0 1039.9 1559.9#

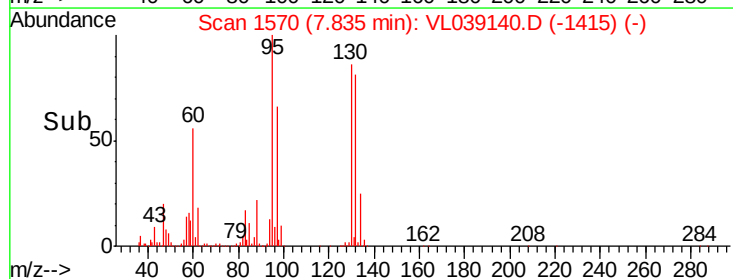
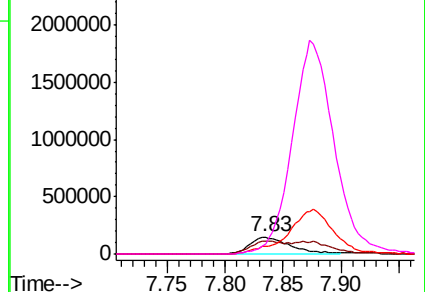


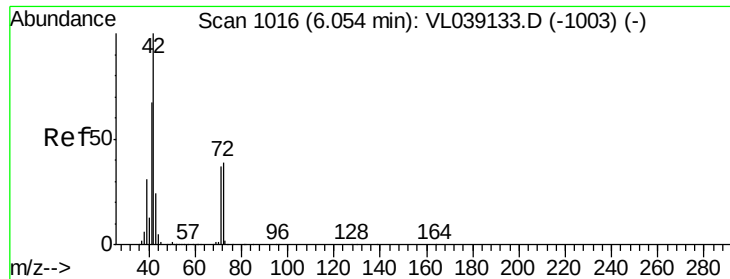
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.736 ppbv

RT: 6.06 Instrument:

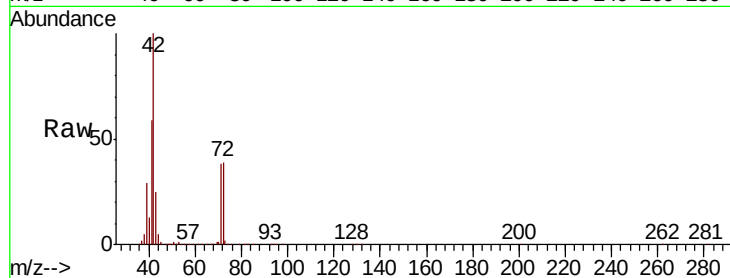
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 May 2022 21:55

Tot Ion: 42 Resp: 1129868

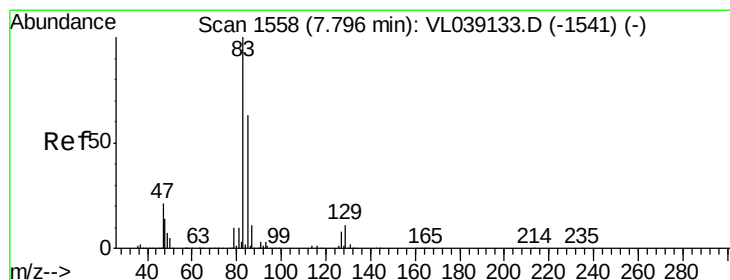
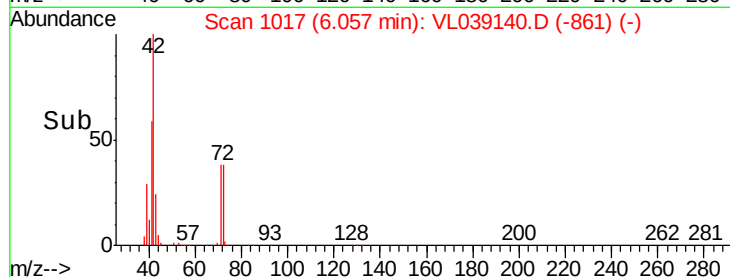
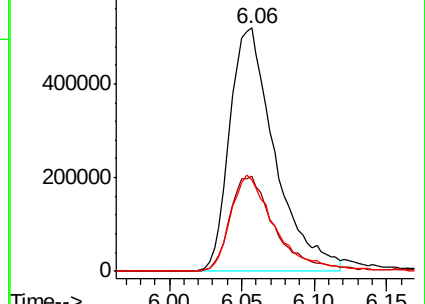
Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.0	48.0
71	39.4	31.1	46.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.603 ppbv

RT: 7.80 min Scan# 1558

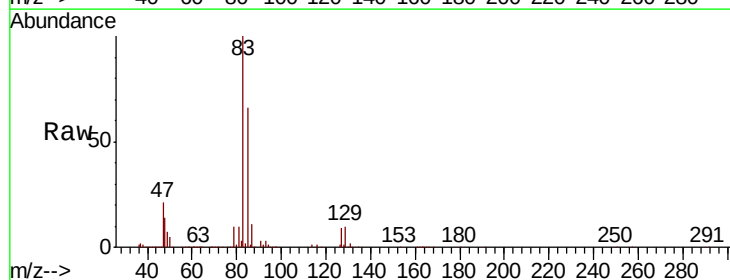
Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

Tgt Ion: 83 Resp: 2529073

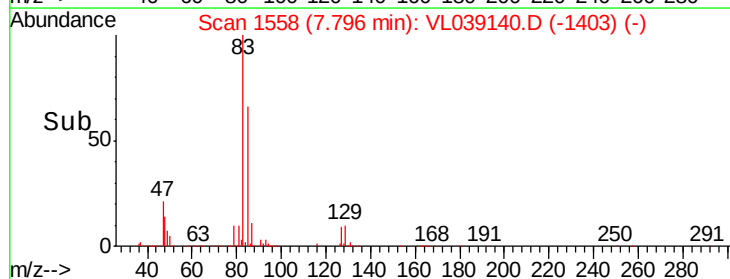
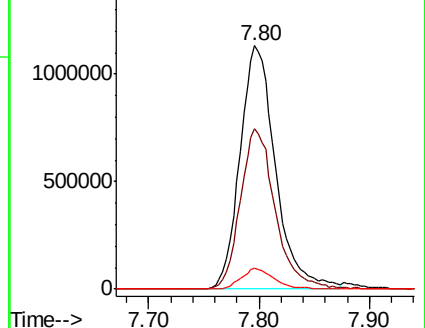
Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.2	75.4
127	8.6	6.6	9.8

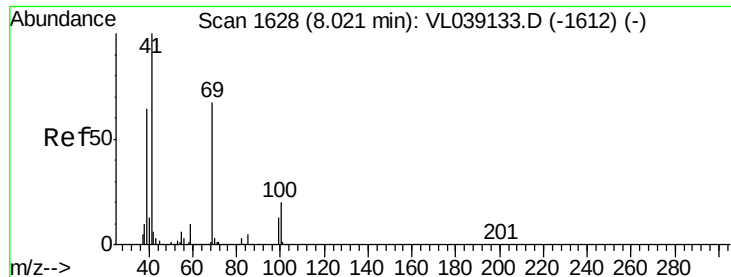


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

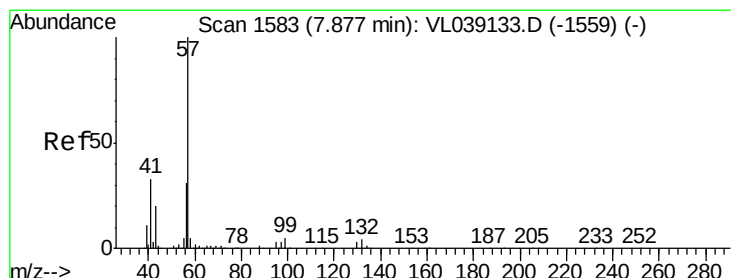
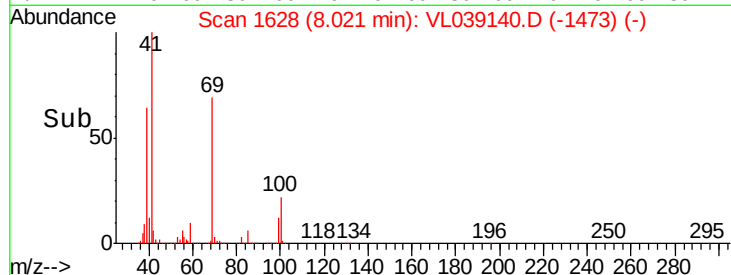
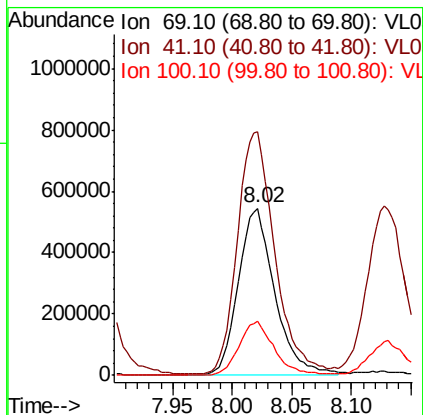
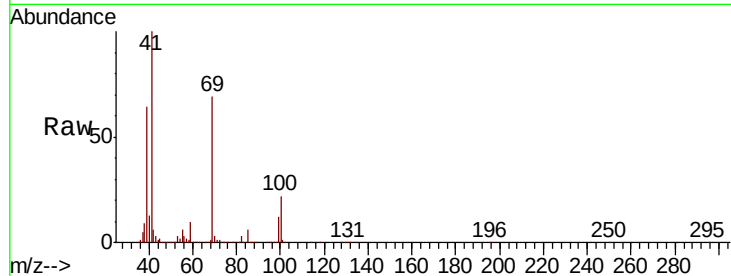
Ion 126.90 (126.60 to 127.60): V





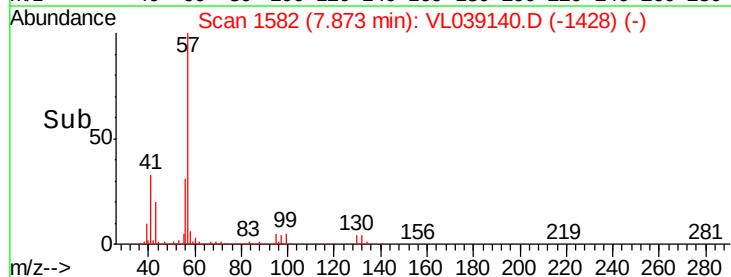
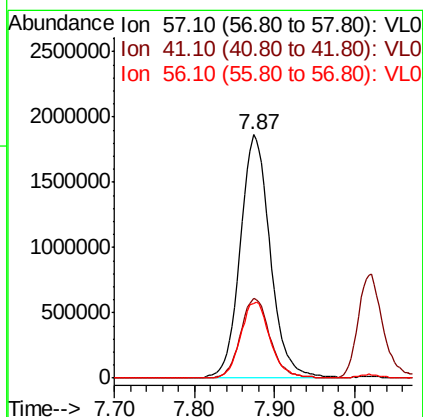
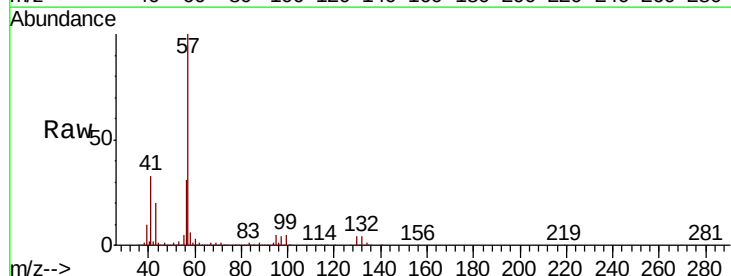
#43
Methyl Methacrylate
Concen: 10.302 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 31 May 2022 21:55

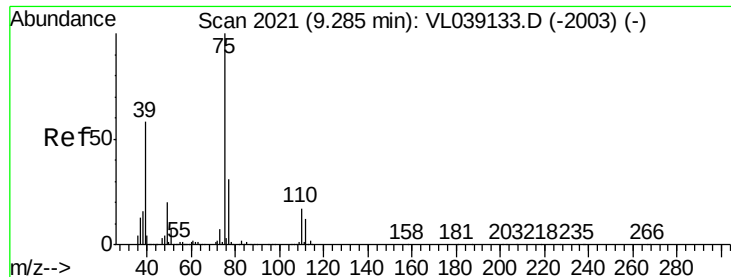
Tot Ion: 69 Resp: 1157134
Ion Ratio Lower Upper
69 100
41 150.2 121.9 182.9
100 31.3 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 9.346 ppbv
RT: 7.87 min Scan# 1582
Delta R.T.: -0.00 min
Lab File: VL039140.D
Acq: 31 May 2022 21:53

Tgt Ion: 57 Resp: 4714780
Ion Ratio Lower Upper
57 100
41 32.2 26.2 39.4
56 30.9 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 11.661 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

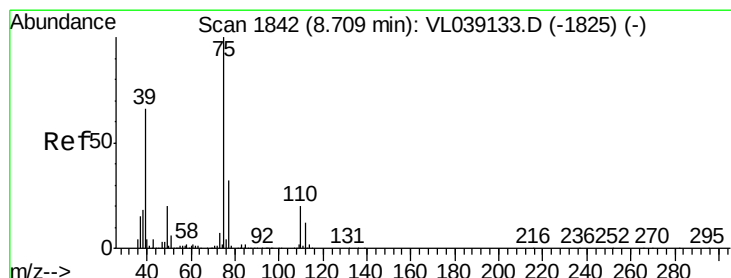
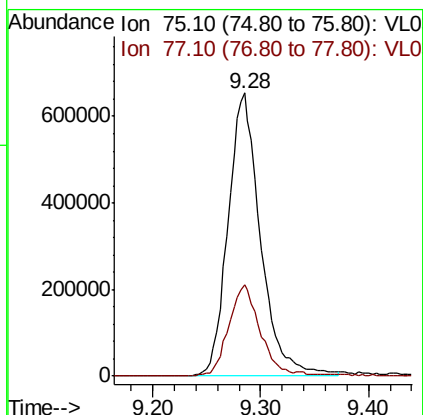
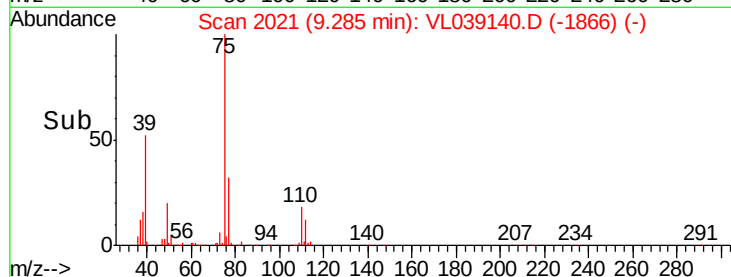
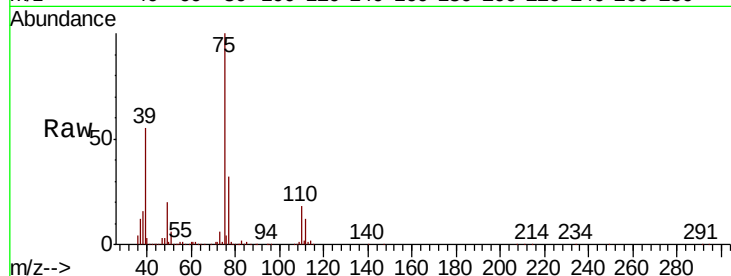
Acq: 31 May 2022 21:55

Tot Ion: 75 Resp: 1364071

Ion Ratio Lower Upper

75 100

77 32.1 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 10.725 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

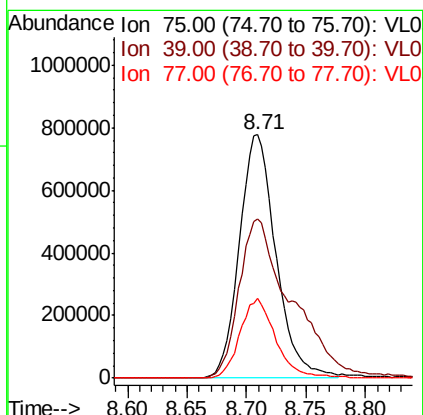
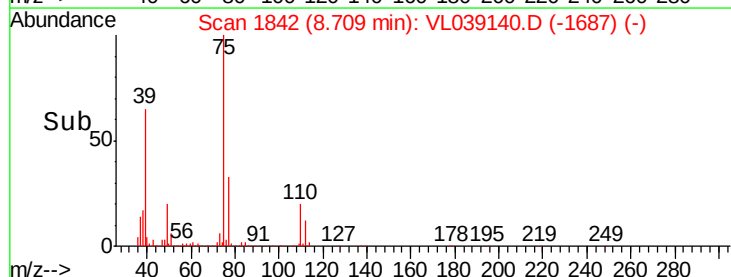
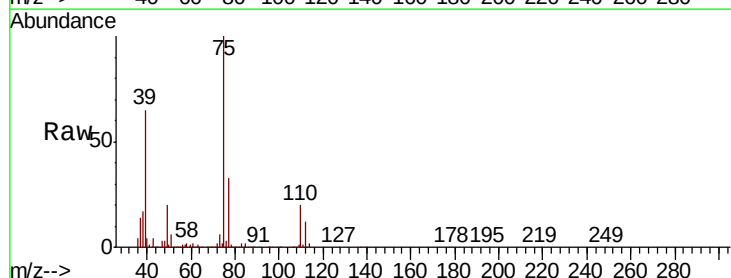
Tgt Ion: 75 Resp: 1657334

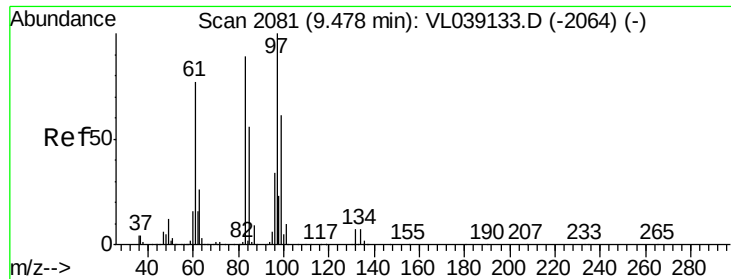
Ion Ratio Lower Upper

75 100

39 65.1 52.4 78.6

77 32.9 25.5 38.3

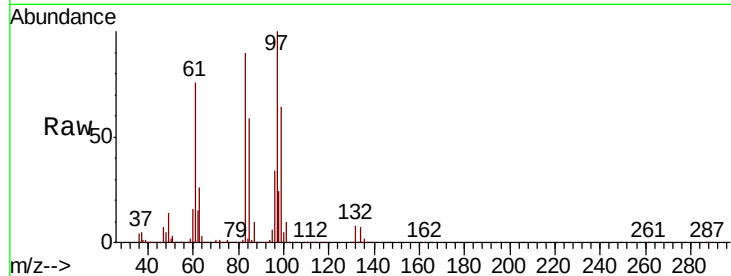




#47
 1,1,2-Trichloroethane
 Concen: 9.664 ppbv
 RT: 9.48 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 May 2022 21:55

Tot Ion: 97 Resp: 1156415

Ion	Ratio	Lower	Upper
97	100		
83	90.4	71.6	107.4
85	59.3	44.8	67.2
99	64.3	49.0	73.4



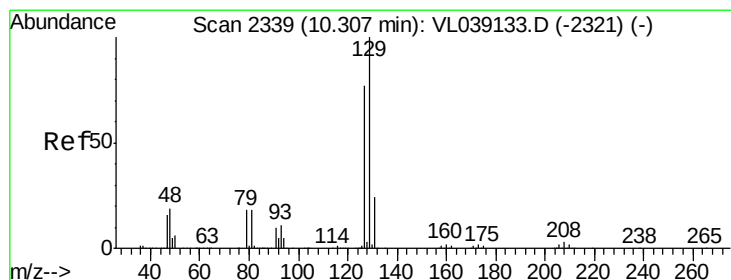
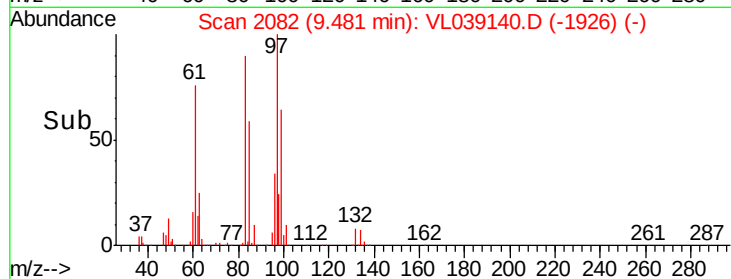
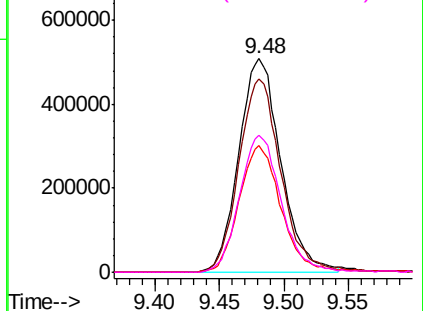
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

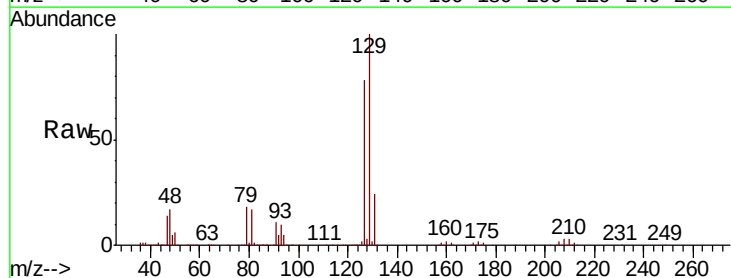
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.061 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T.: 0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

Tgt Ion: 129 Resp: 2149567

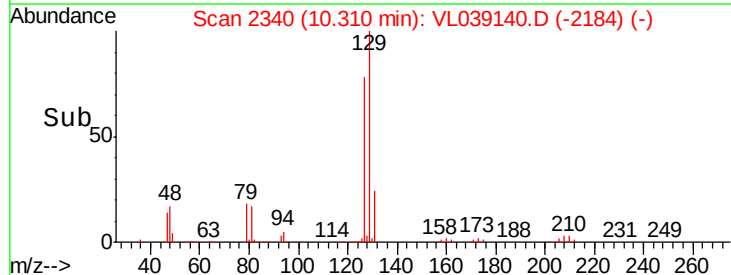
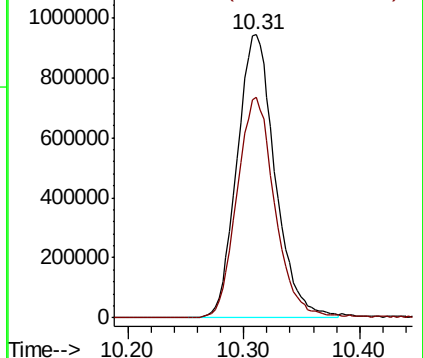
Ion	Ratio	Lower	Upper
129	100		
127	78.9	40.0	119.9

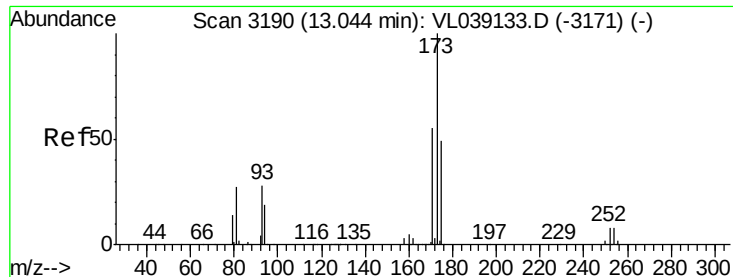


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.979 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File:

Acq: 31 May 2022 21:55

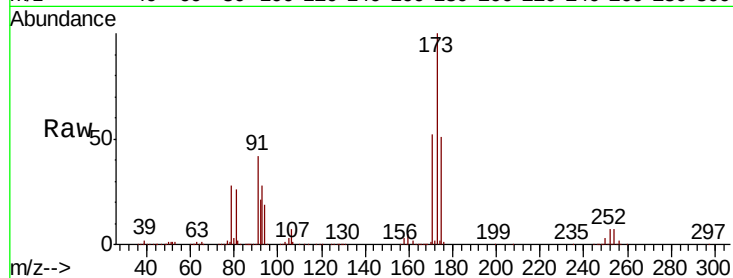
Tot Ion:173 Resp: 1776907

Ion Ratio Lower Upper

173 100

175 50.9 40.2 60.2

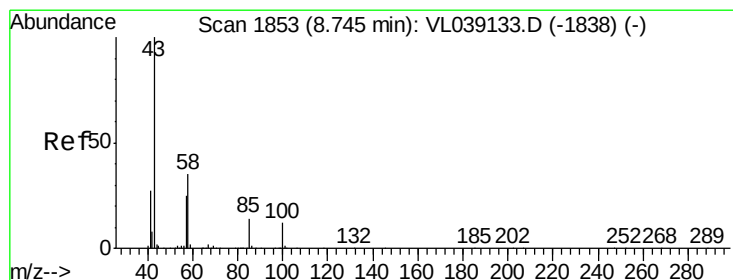
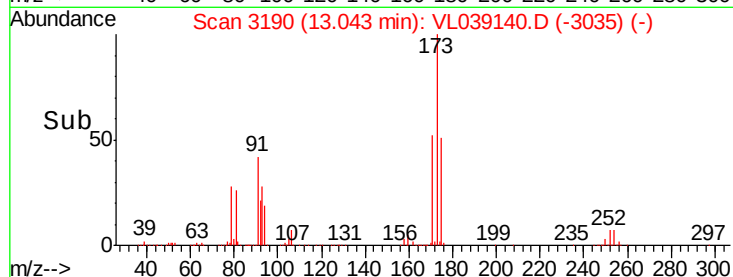
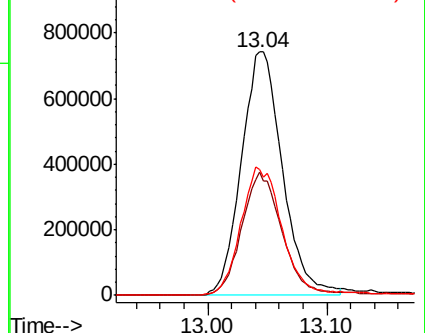
171 53.7 43.9 65.9



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.059 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL039140.D

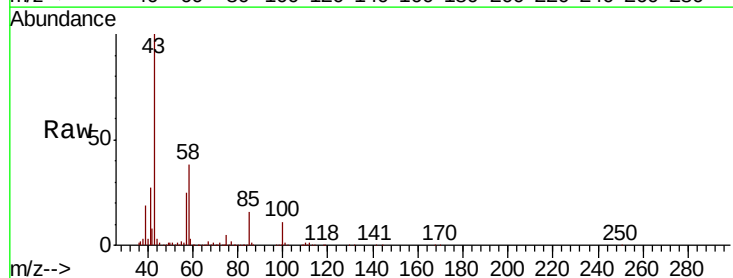
Acq: 31 May 2022 21:53

Tgt Ion: 43 Resp: 2905555

Ion Ratio Lower Upper

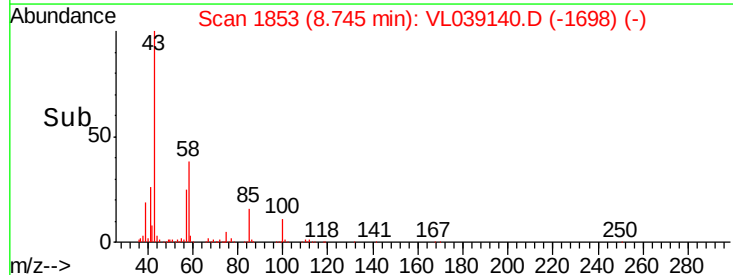
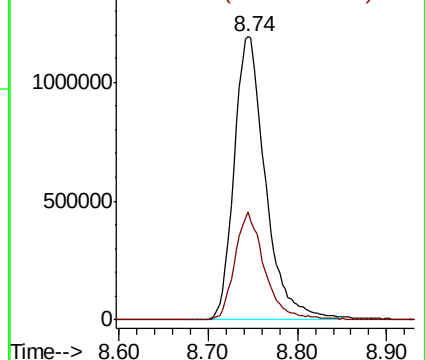
43 100

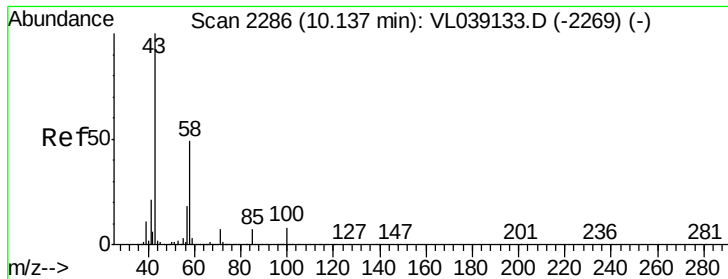
58 36.6 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

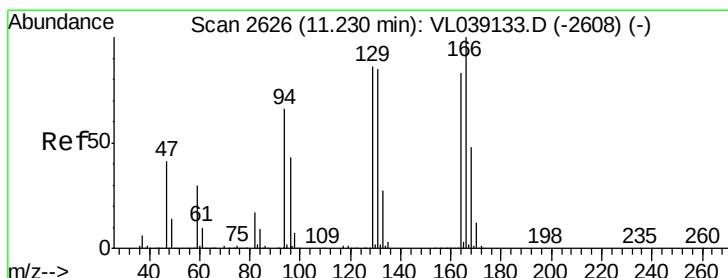
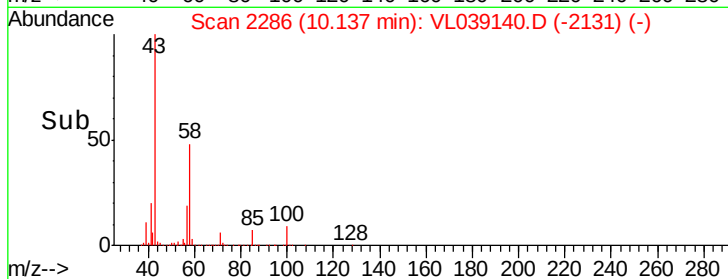
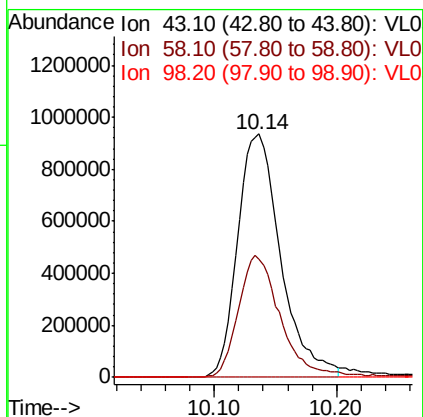
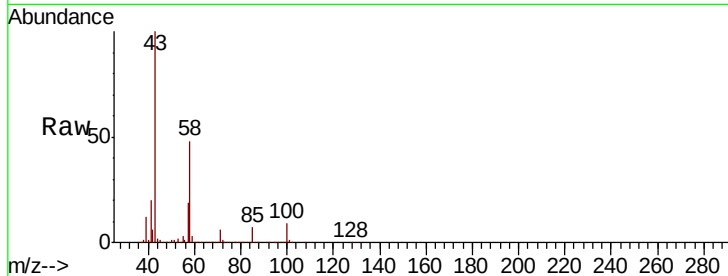
Ion 58.10 (57.80 to 58.80): VL0





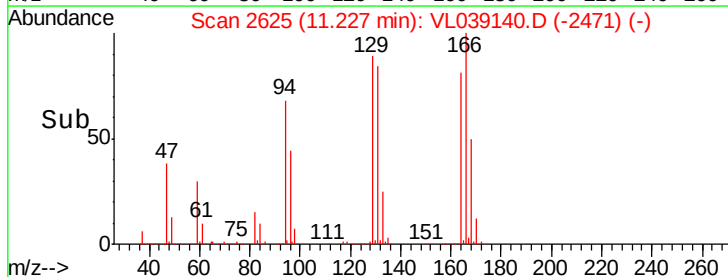
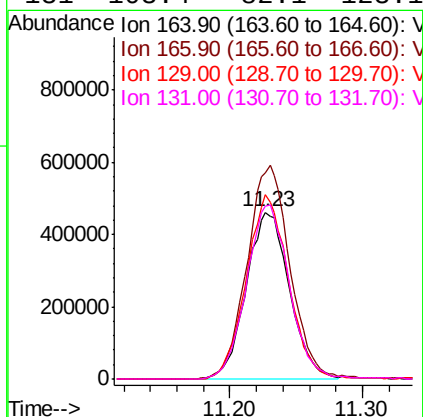
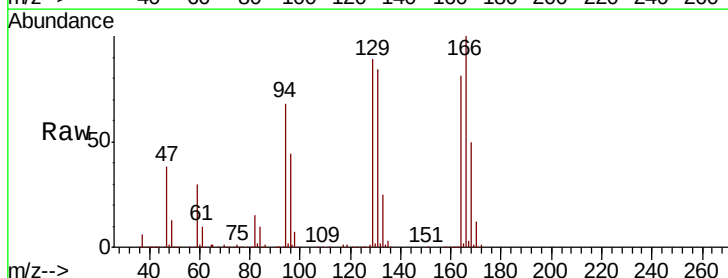
#51
 2-Hexanone
 Concen: 10.155 ppbv
 RT: 10.14 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 May 2022 21:53

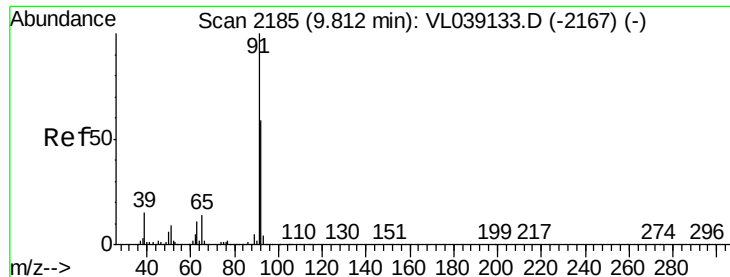
Tot Ion: 43 Resp: 2282497
 Ion Ratio Lower Upper
 43 100
 58 50.0 40.0 60.0
 98 0.2 0.1 0.1#



#52
 Tetrachloroethene
 Concen: 9.307 ppbv
 RT: 11.23 min Scan# 2625
 Delta R.T.: -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

Tgt Ion: 164 Resp: 1047903
 Ion Ratio Lower Upper
 164 100
 166 123.8 96.3 144.5
 129 110.4 82.5 123.7
 131 103.4 82.1 123.1





#53

Toluene

Concen: 9.826 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

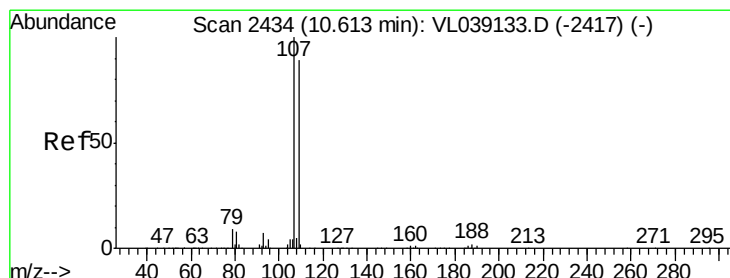
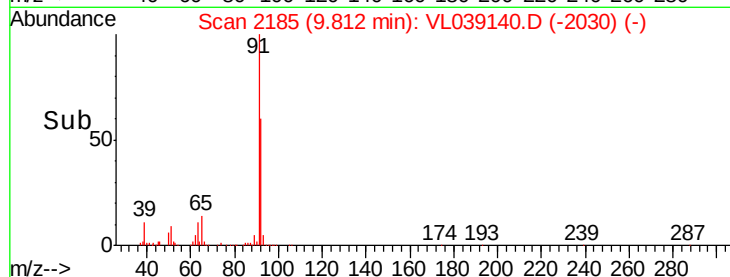
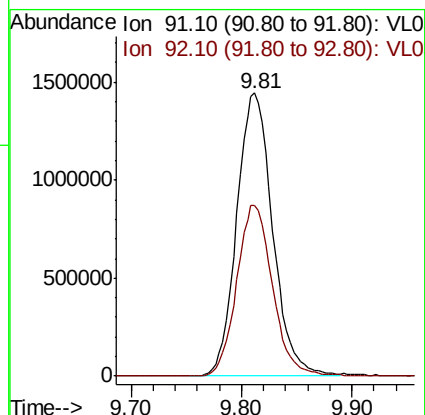
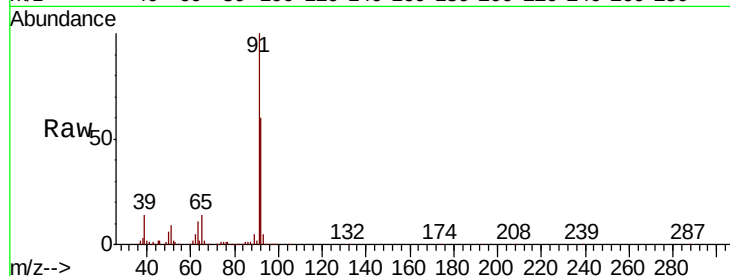
Acq: 31 May 2022 21:55

Tot Ion: 91 Resp: 3262717

Ion Ratio Lower Upper

91 100

92 60.5 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.081 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL039140.D

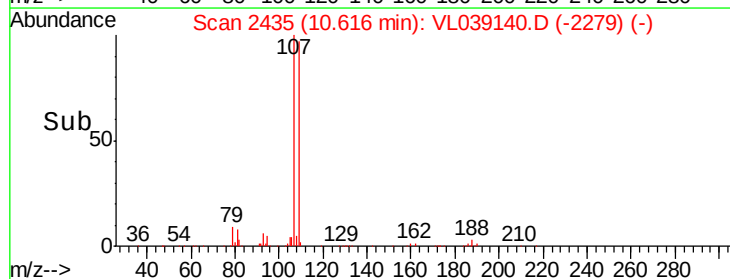
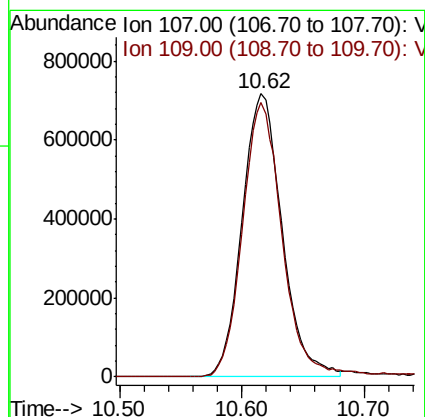
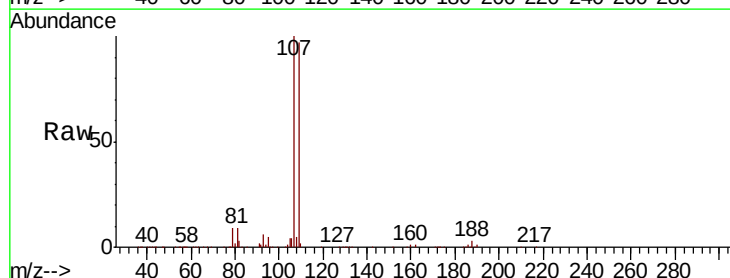
Acq: 31 May 2022 21:53

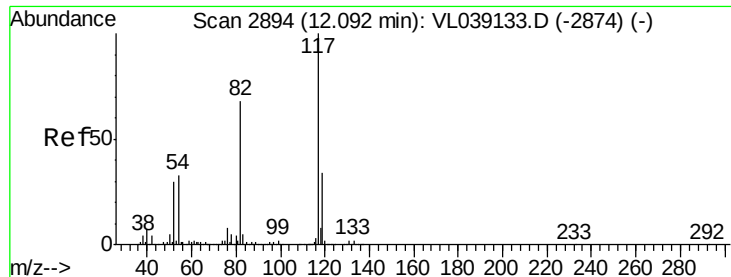
Tgt Ion: 107 Resp: 1621029

Ion Ratio Lower Upper

107 100

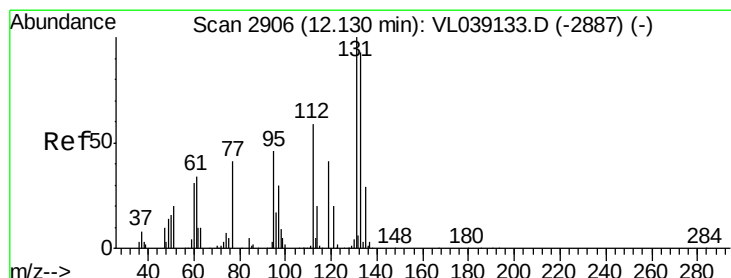
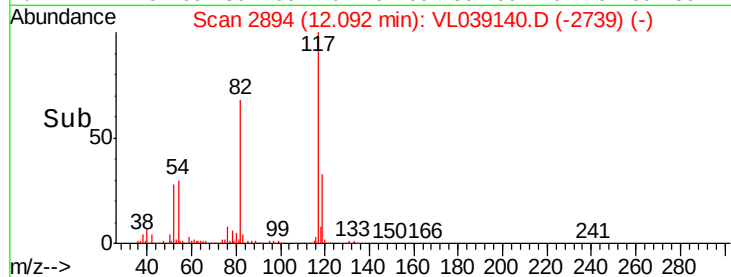
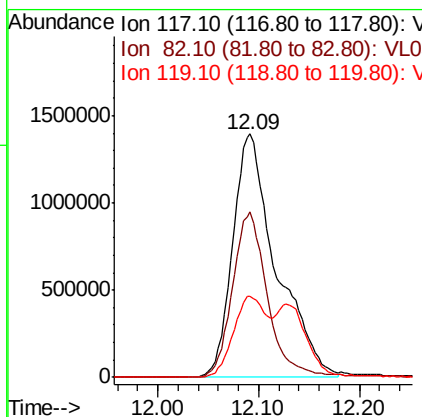
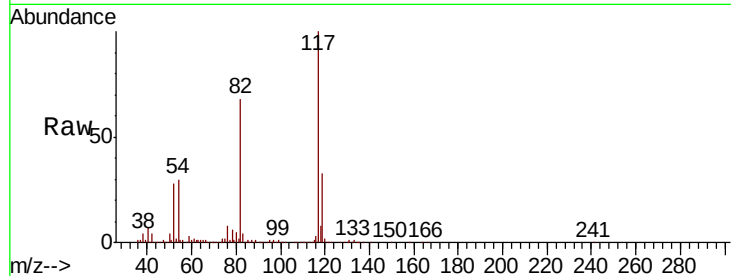
109 97.1 71.4 107.0





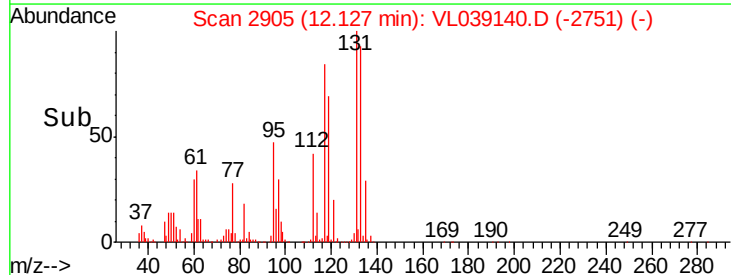
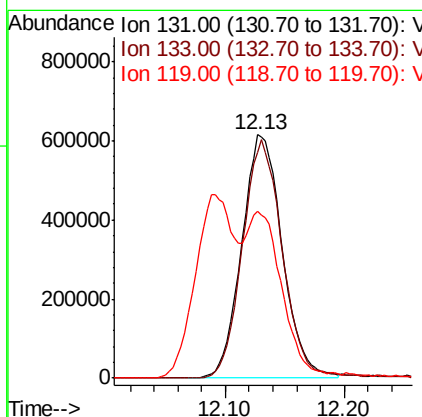
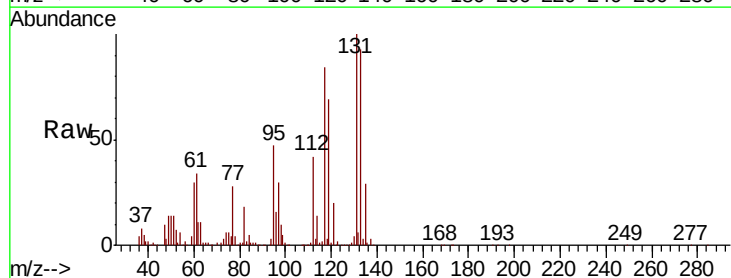
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 May 2022 21:55

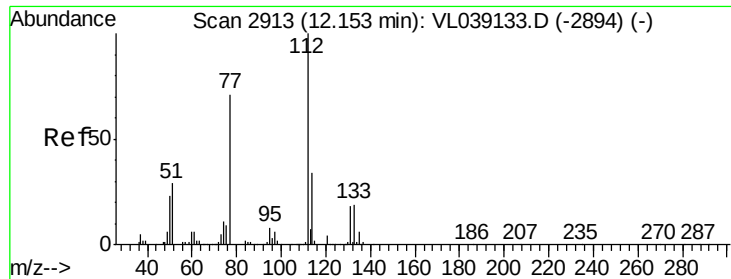
Tot Ion:117 Resp: 4186747
 Ion Ratio Lower Upper
 117 100
 82 55.4 55.1 82.7
 119 24.9 24.7 37.1



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.310 ppbv
 RT: 12.13 min Scan# 2905
 Delta R.T.: -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

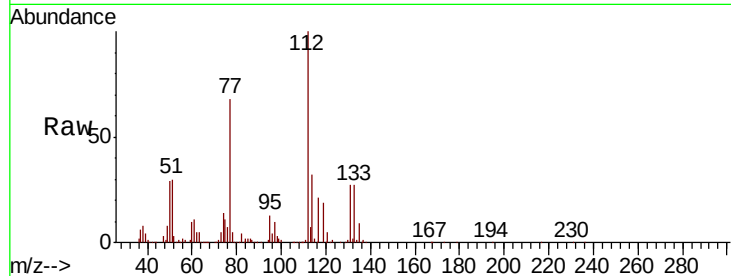
Tgt Ion:131 Resp: 1448189
 Ion Ratio Lower Upper
 131 100
 133 97.5 78.6 117.8
 119 65.6 51.7 77.5



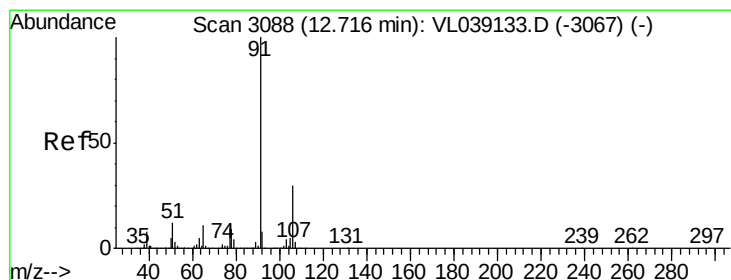
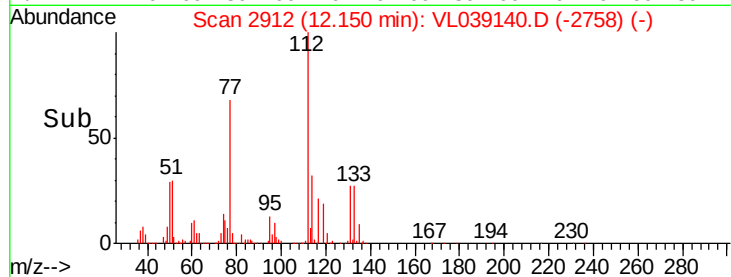
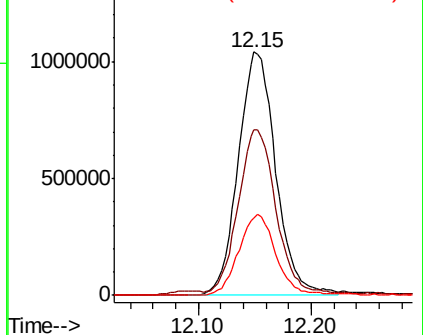


#57
Chlorobenzene
Concen: 7.625 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 31 May 2022 21:55

Tot Ion: 112 Resp: 2401940
Ion Ratio Lower Upper
112 100
77 66.4 56.5 84.7
114 31.6 30.3 37.1

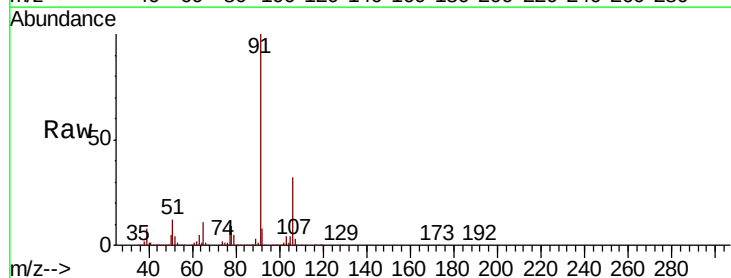


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

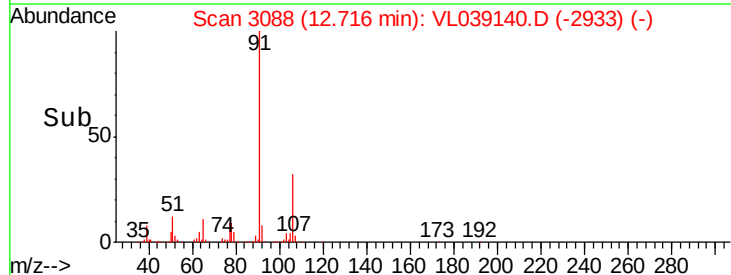
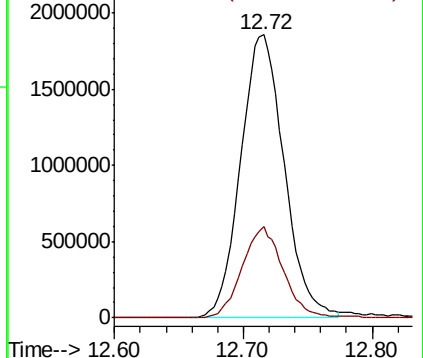


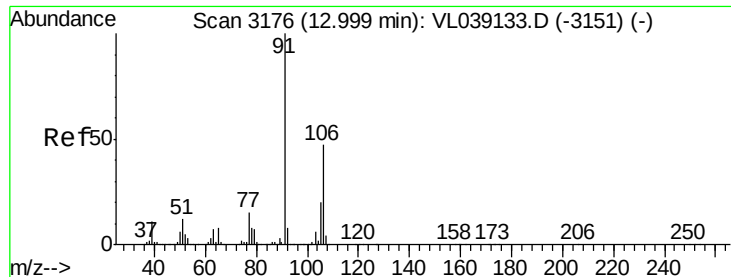
#58
Ethyl Benzene
Concen: 7.563 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL039140.D
Acq: 31 May 2022 21:53

Tgt Ion: 91 Resp: 4361653
Ion Ratio Lower Upper
91 100
106 32.1 24.2 36.4



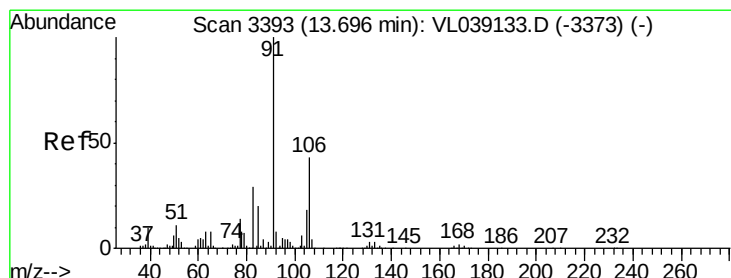
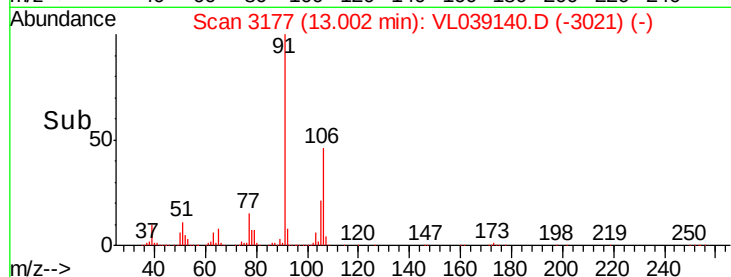
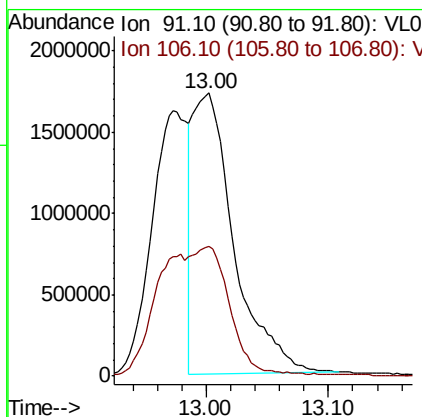
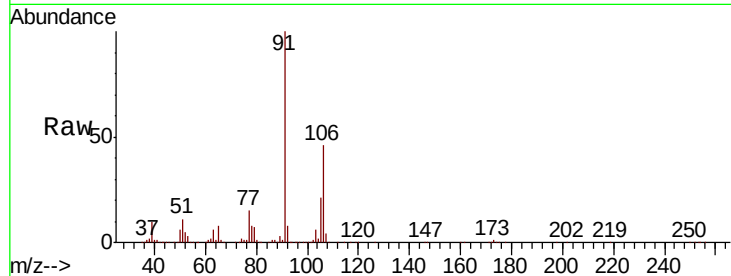
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





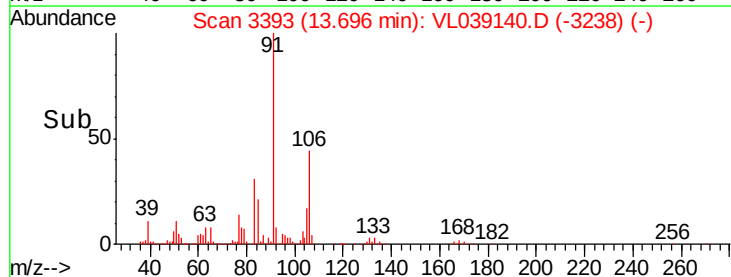
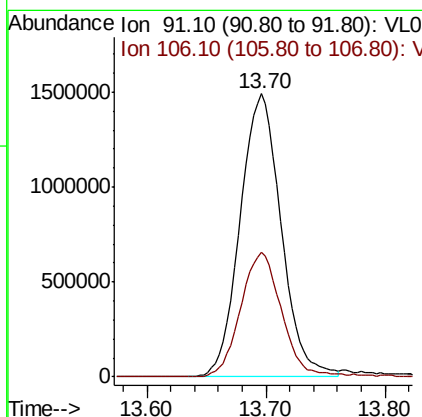
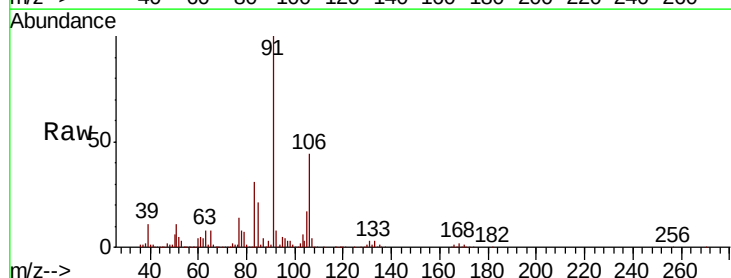
#59
m/p-Xylene
Concen: 7.881 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 31 May 2022 21:55

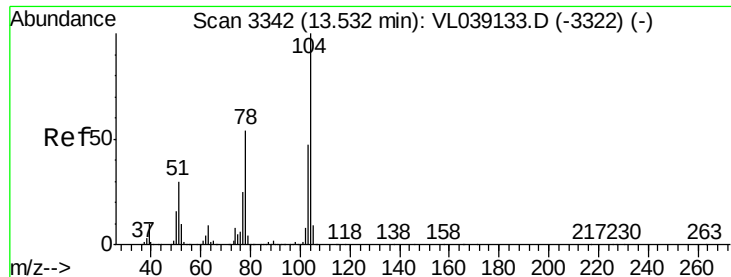
Tot Ion: 91 Resp: 4002192
Ion Ratio Lower Upper
91 100
106 81.9 34.3 51.5#



#60
o-Xylene
Concen: 7.452 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL039140.D
Acq: 31 May 2022 21:53

Tgt Ion: 91 Resp: 3556378
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.9





#61

Stvrene

Concen: 8.135 ppbv

RT: 13.53

Delta R.T. MSVOA_L

Lab File:

Acq: 31 May 2022 21:55

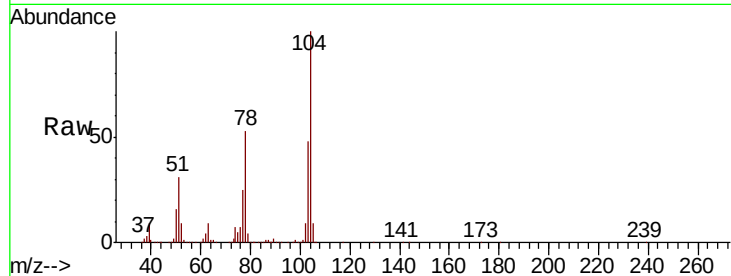
Tot Ion:104 Resp: 2078822

Ion Ratio Lower Upper

104 100

78 55.5 45.7 68.5

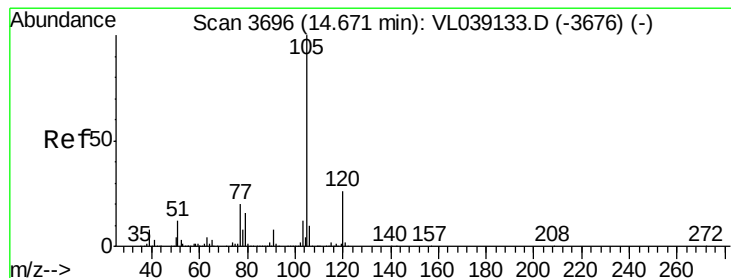
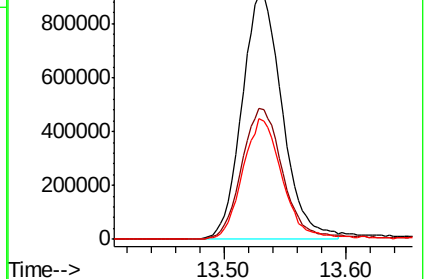
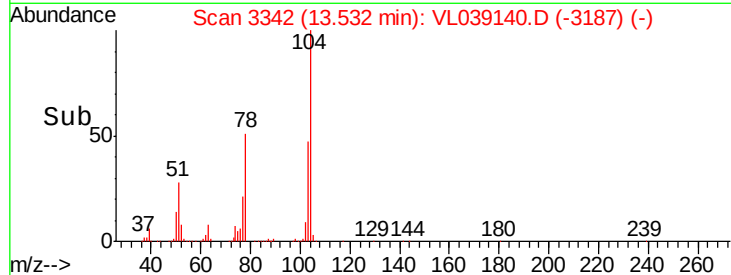
103 48.8 39.6 59.4



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: 7.339 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VL039140.D

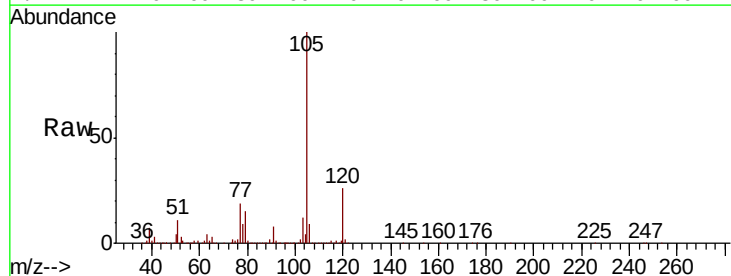
Acq: 31 May 2022 21:53

Tgt Ion:105 Resp: 5205148

Ion Ratio Lower Upper

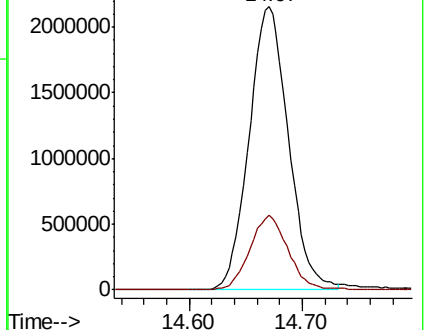
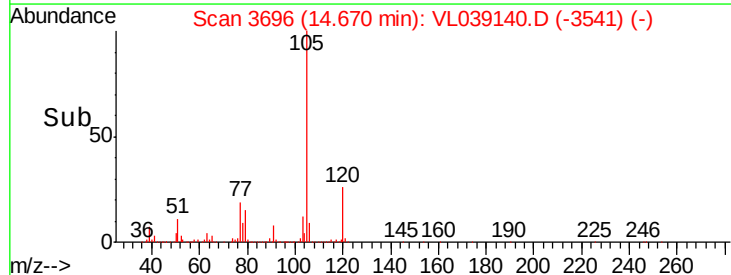
105 100

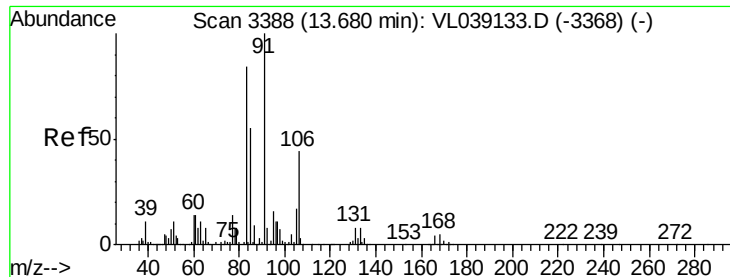
120 25.9 20.3 30.5



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: 7.036 ppbv

RT: 13.68 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 31 May 2022 21:55

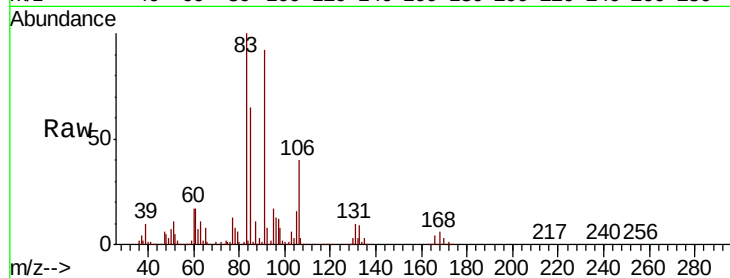
Tot Ion: 83 Resp: 1884620

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.3

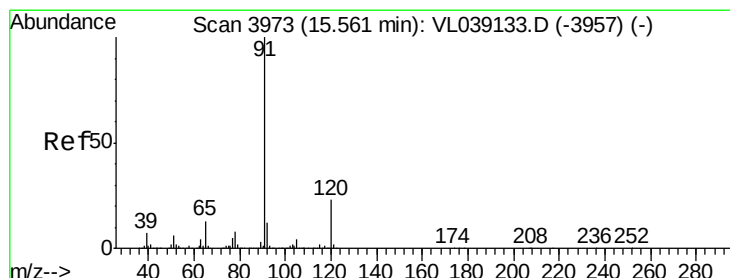
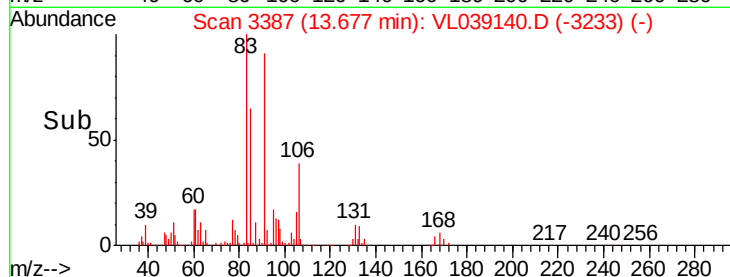
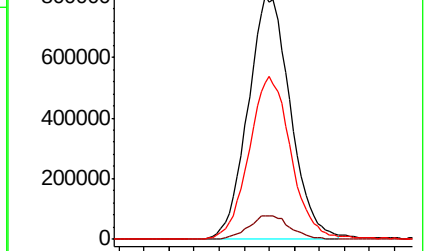
85 66.8 33.0 99.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.822 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.00 min

Lab File: VL039140.D

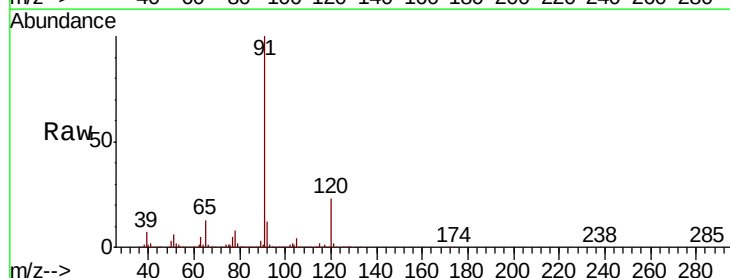
Acq: 31 May 2022 21:53

Tgt Ion: 120 Resp: 1363895

Ion Ratio Lower Upper

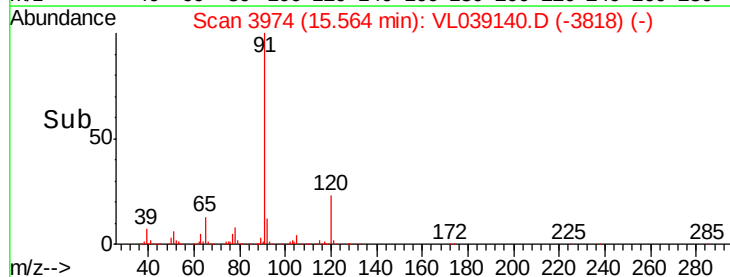
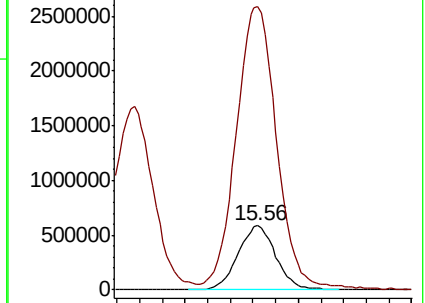
120 100

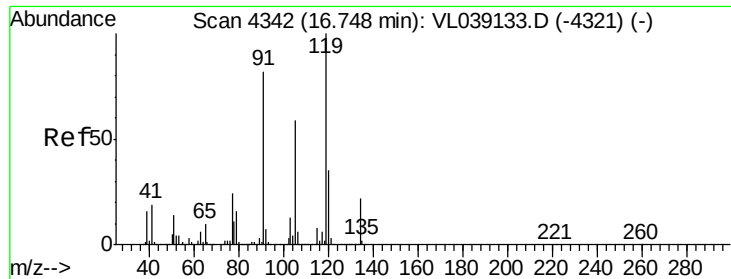
91 475.0 388.4 582.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

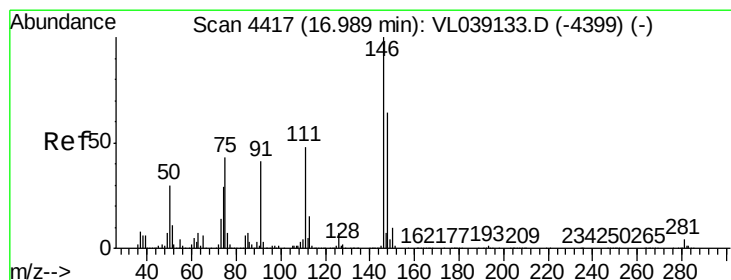
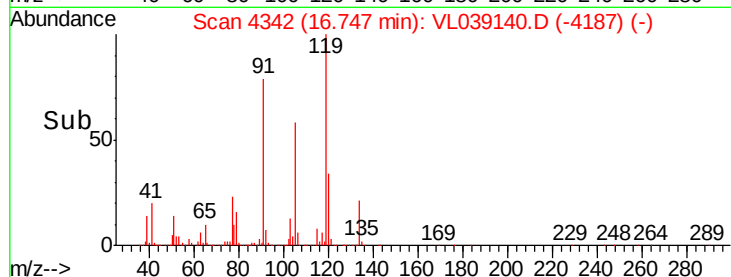
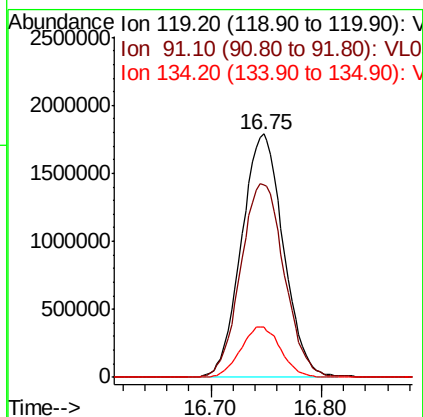
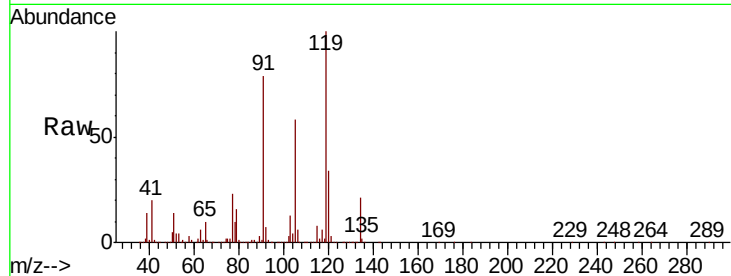




#65
 tert-Butylbenzene
 Concen: 7.250 ppbv
 RT: 16.75
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 May 2022 21:55

Tot Ion: 119 Resp: 4702282

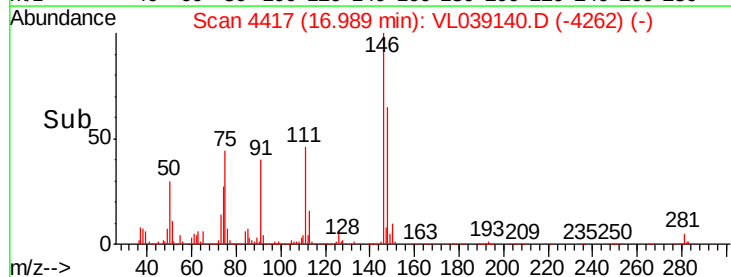
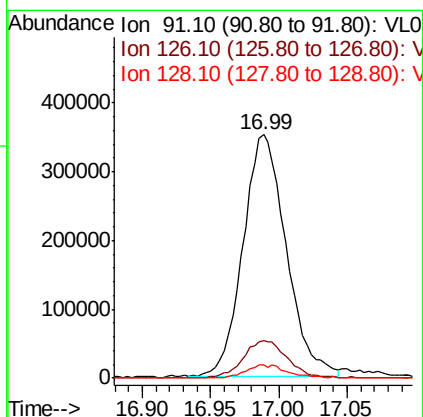
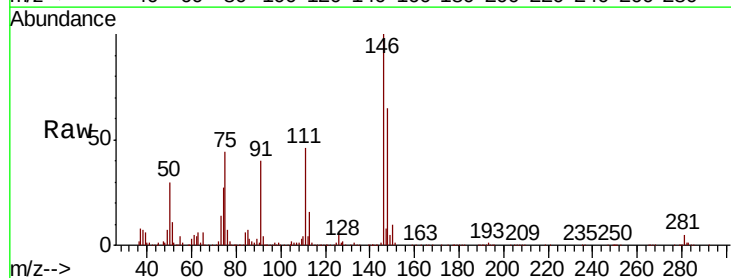
Ion	Ratio	Lower	Upper
119	100		
91	83.0	67.1	100.7
134	19.9	15.8	23.8

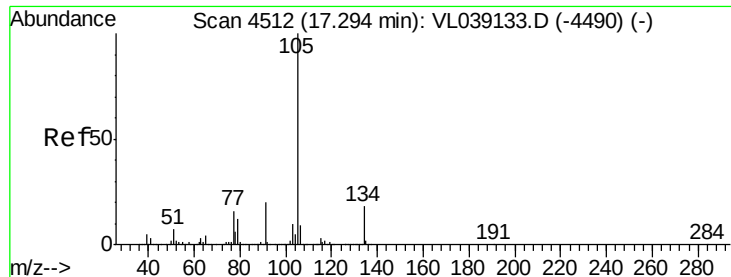


#66
 Benzyl Chloride
 Concen: 9.212 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T.: -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

Tgt Ion: 91 Resp: 776829

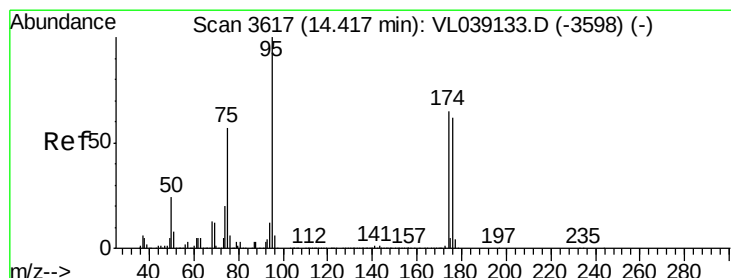
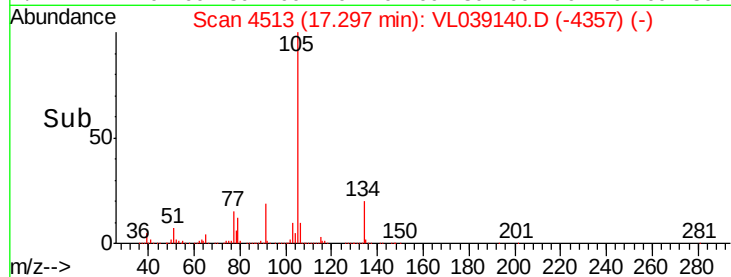
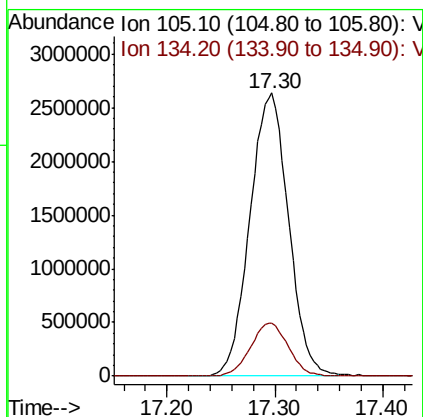
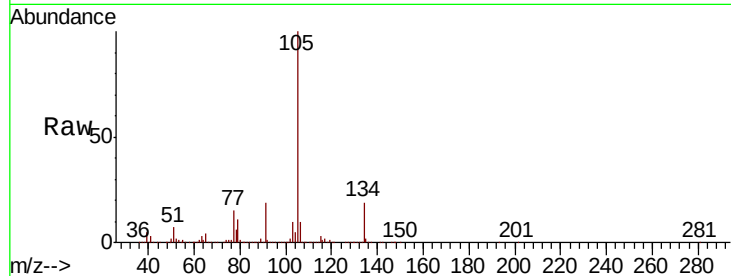
Ion	Ratio	Lower	Upper
91	100		
126	16.1	13.4	20.0
128	5.5	4.1	6.1





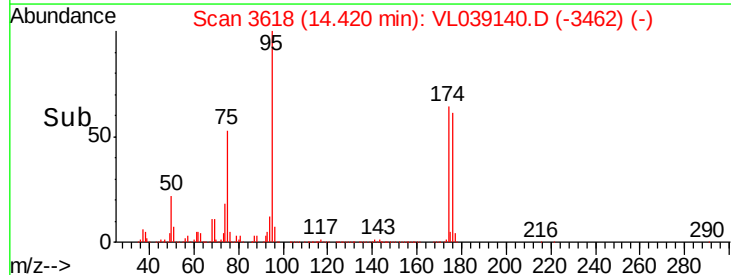
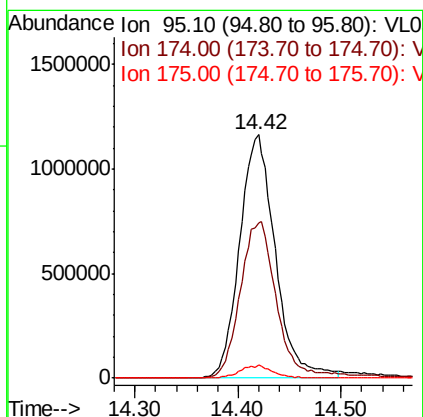
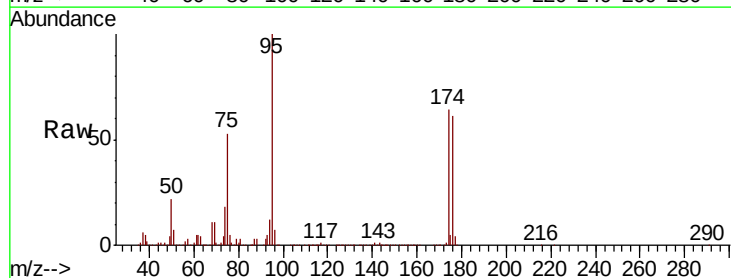
#67
 sec-Butylbenzene
 Concen: 7.398 ppbv
 RT: 17.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 31 May 2022 21:55

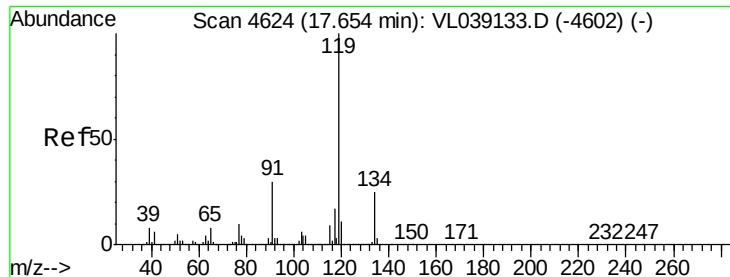
Tot Ion: 105 Resp: 6547272
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.081 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

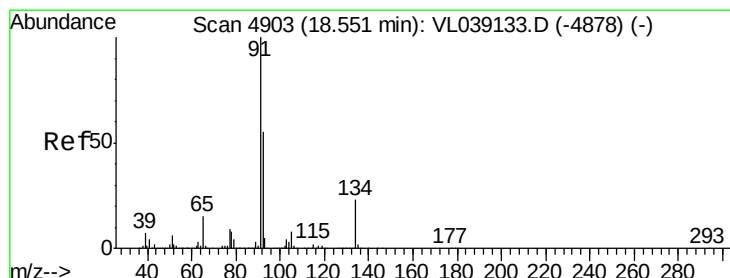
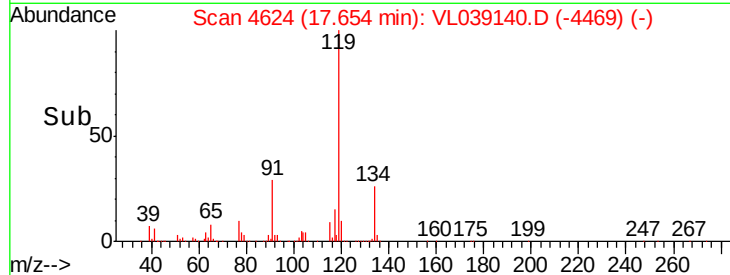
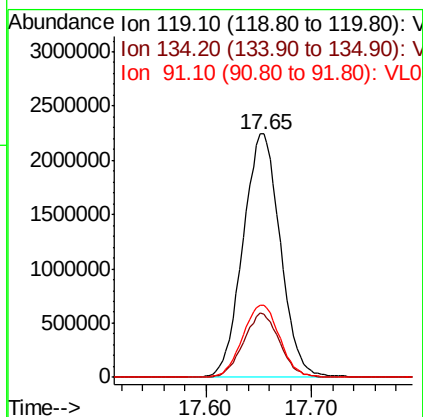
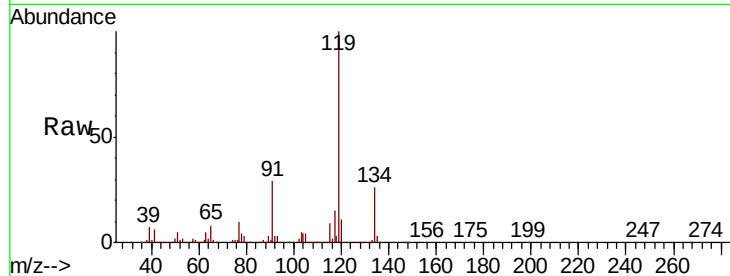
Tgt Ion: 95 Resp: 2797034
 Ion Ratio Lower Upper
 95 100
 174 67.3 53.8 80.8
 175 5.1 4.1 6.1





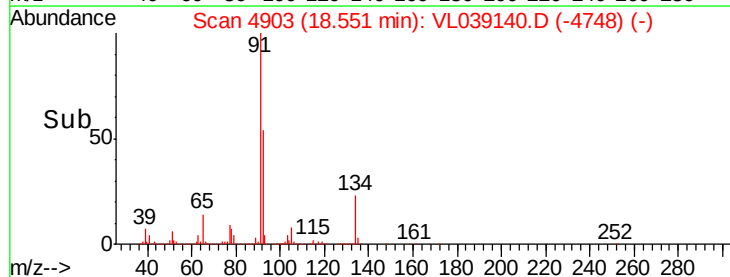
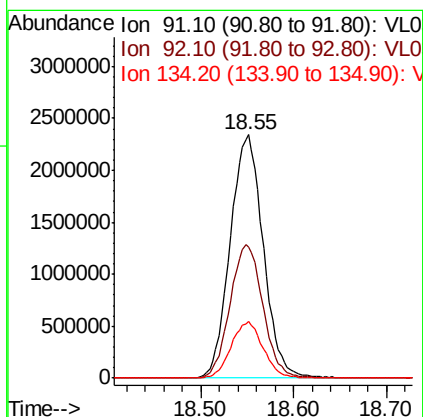
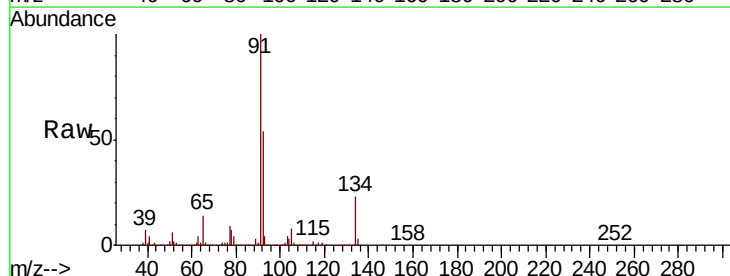
#69
 p-Isopropyltoluene
 Concen: 7.405 ppbv
 RT: 17.65 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 31 May 2022 21:55

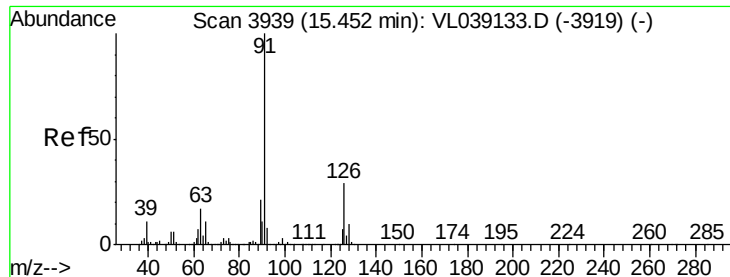
Tot Ion: 119 Resp: 5528710
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.4 30.6
 91 29.6 24.2 36.4



#70
 n-Butylbenzene
 Concen: 7.552 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T.: -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

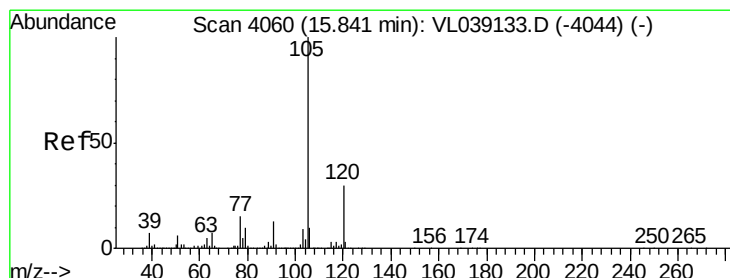
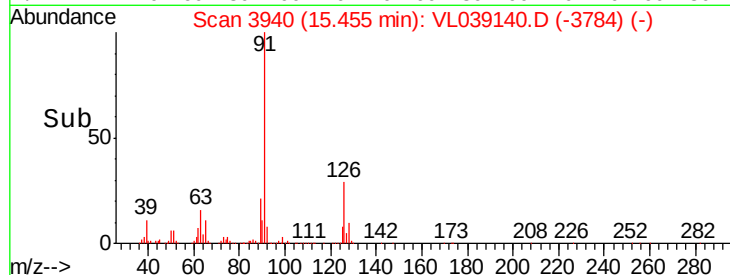
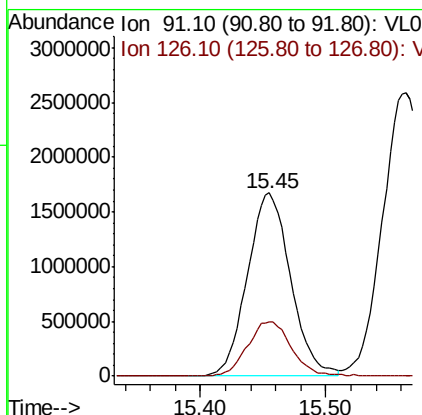
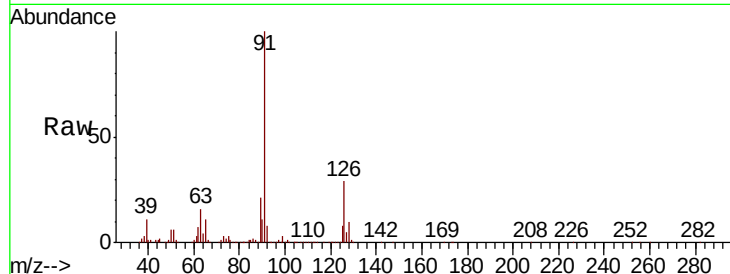
Tgt Ion: 91 Resp: 5787389
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.6 65.4
 134 22.5 17.7 26.5





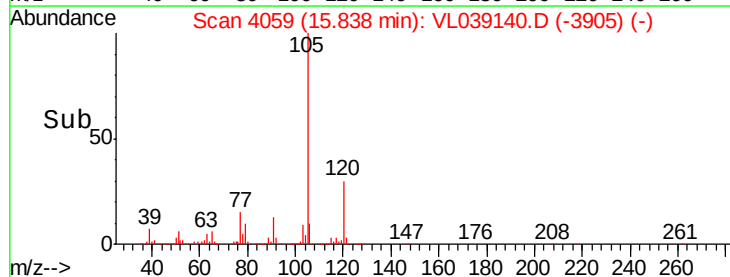
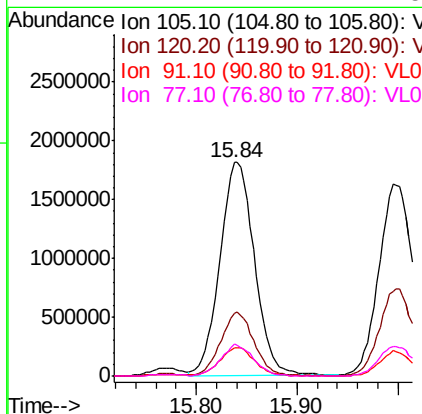
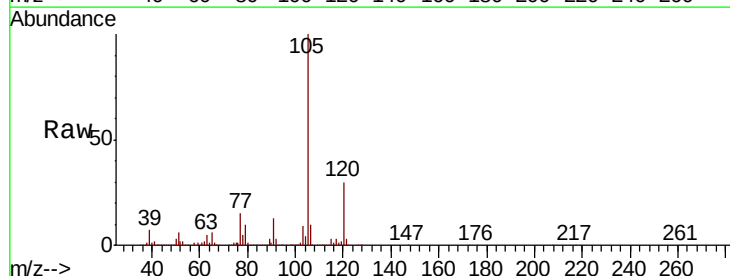
#71
 2-Chlorotoluene
 Concen: 7.399 ppbv
 RT: 15.45 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 31 May 2022 21:55

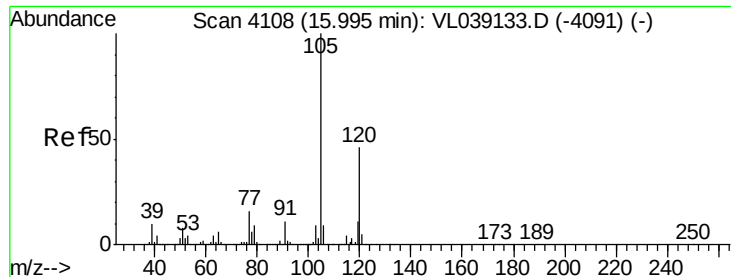
Tot Ion: 91 Resp: 4001668
 Ion Ratio Lower Upper
 91 100
 126 30.8 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 7.735 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

Tgt Ion:105 Resp: 4326061
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.9 35.9
 91 14.0 10.6 16.0
 77 14.2 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.657 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

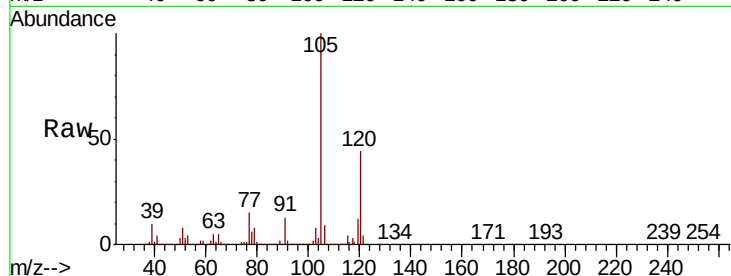
Acq: 31 May 2022 21:55

Tot Ion:105 Resp: 3862712

Ion Ratio Lower Upper

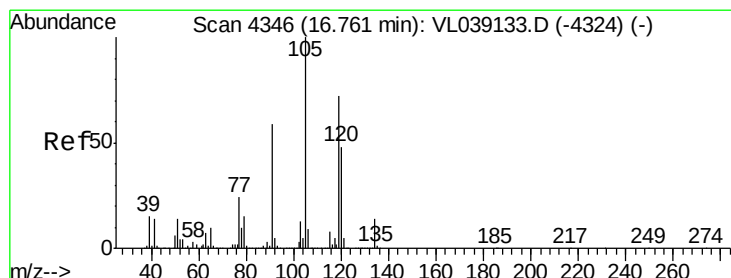
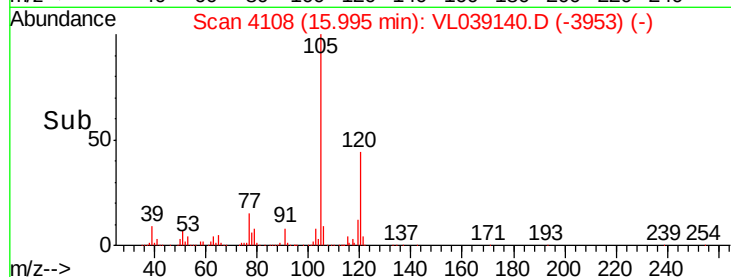
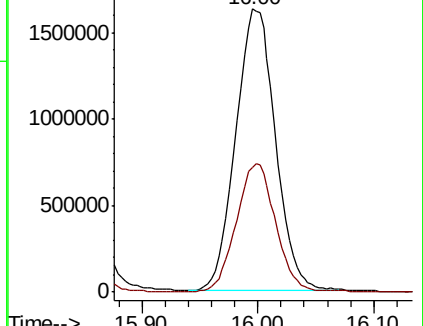
105 100

120 43.9 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.359 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

Tgt Ion:105 Resp: 4142774

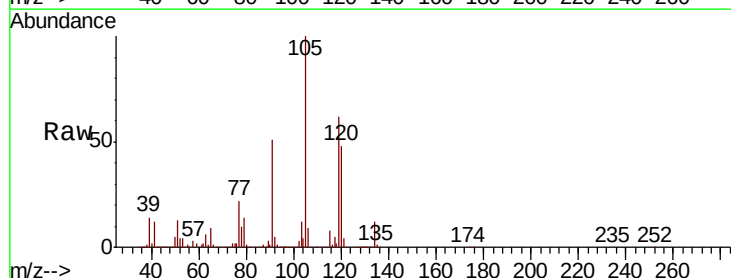
Ion Ratio Lower Upper

105 100

120 48.0 38.1 57.1

91 50.7 47.4 71.0

77 22.1 19.5 29.3

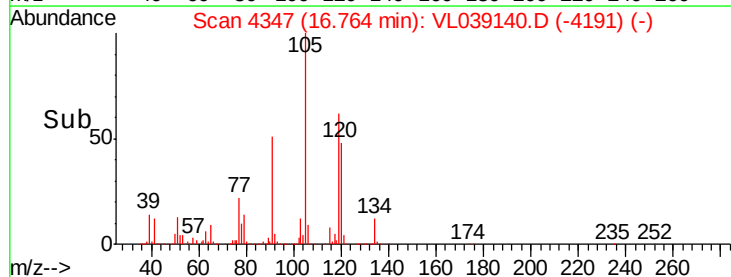
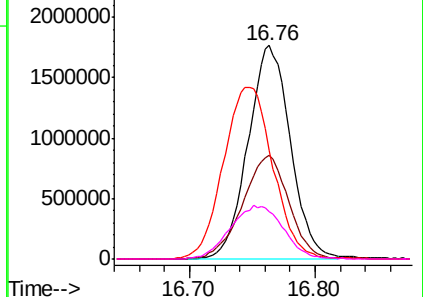


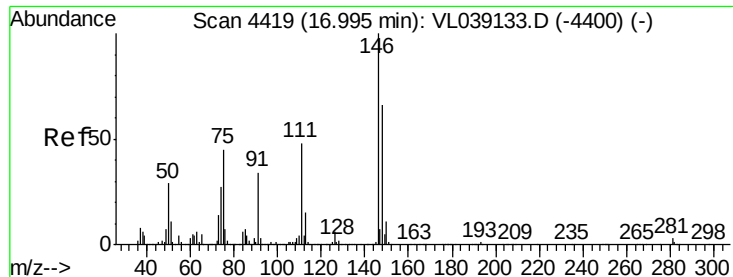
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

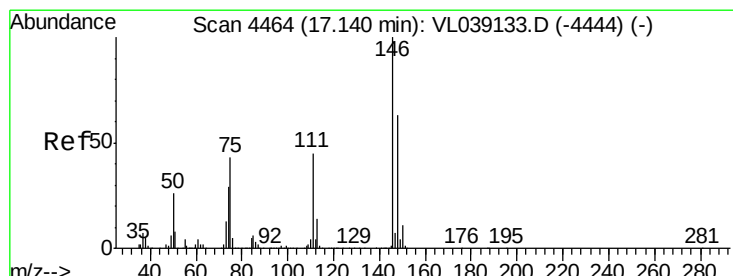
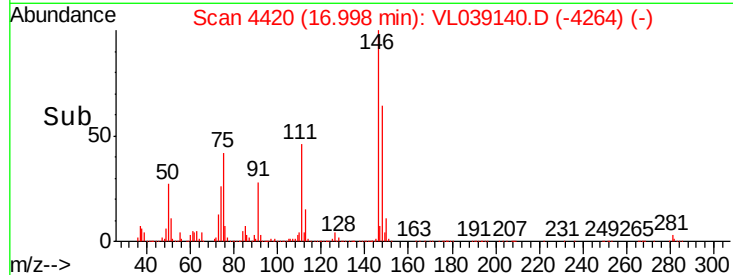
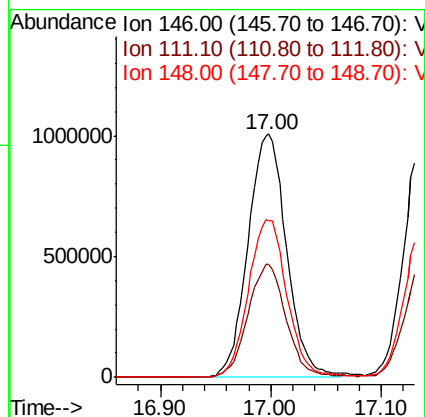
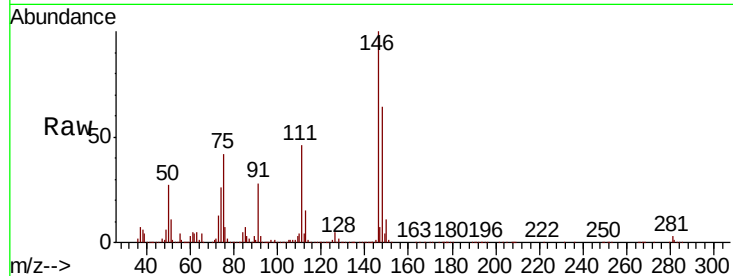
Ion 77.10 (76.80 to 77.80): VL0





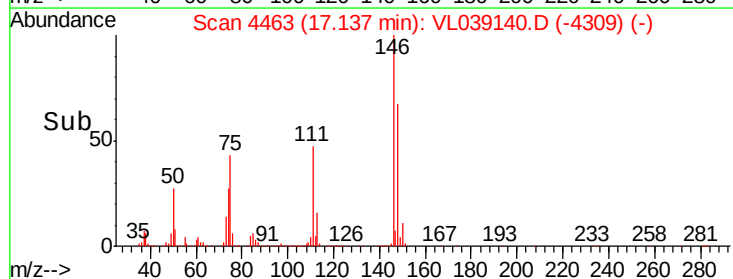
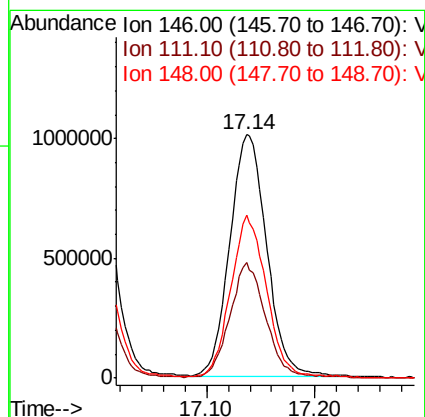
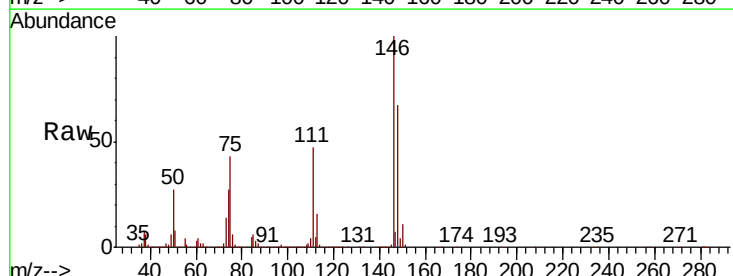
#75
 1,3-Dichlorobenzene
 Concen: 7.644 ppbv
 RT: 17.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 31 May 2022 21:55

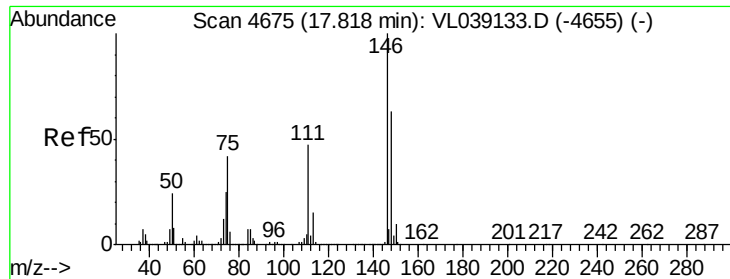
Tot Ion:146 Resp: 2435627
 Ion Ratio Lower Upper
 146 100
 111 46.1 23.8 71.4
 148 65.1 32.4 97.0



#76
 1,4-Dichlorobenzene
 Concen: 7.522 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. -0.00 min
 Lab File: VL039140.D
 Acq: 31 May 2022 21:53

Tgt Ion:146 Resp: 2391260
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.6 71.0
 148 66.4 33.7 101.0





#77

1,2-Dichlorobenzene

Concen: 7.432 ppbv

RT: 17.82

Delta R.T. MSVOA_L

Lab File:

Acq: 31 May 2022 21:55

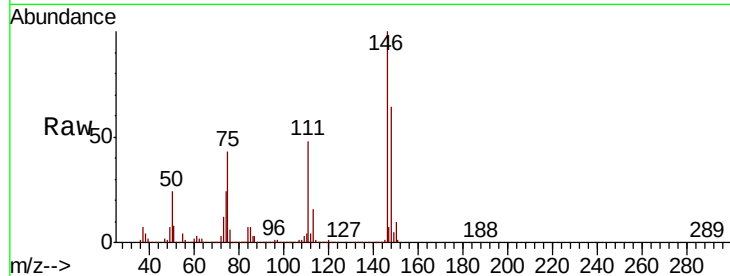
Tot Ion:146 Resp: 2386701

Ion Ratio Lower Upper

146 100

111 49.2 24.4 73.4

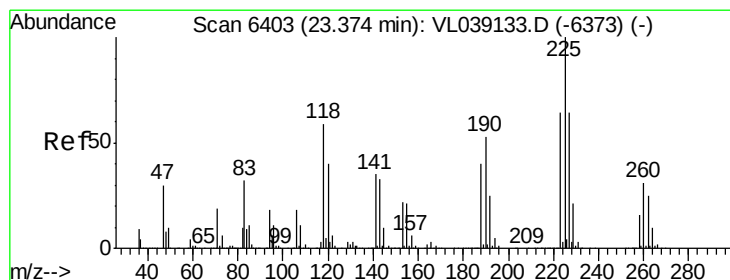
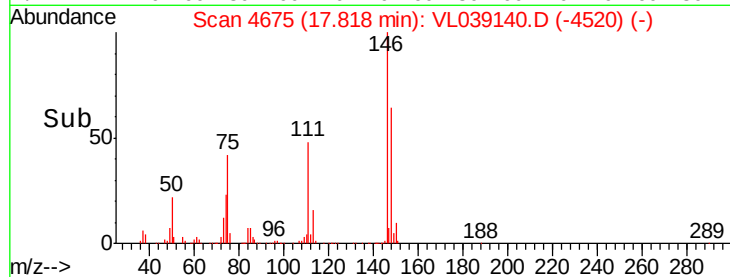
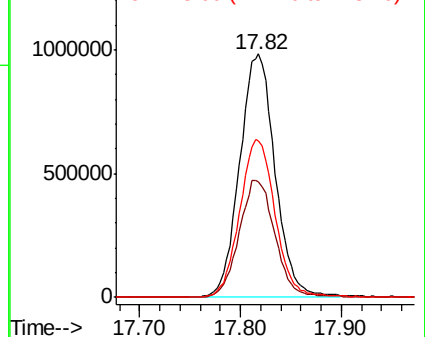
148 64.9 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.889 ppbv

RT: 23.37 min Scan# 6402

Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

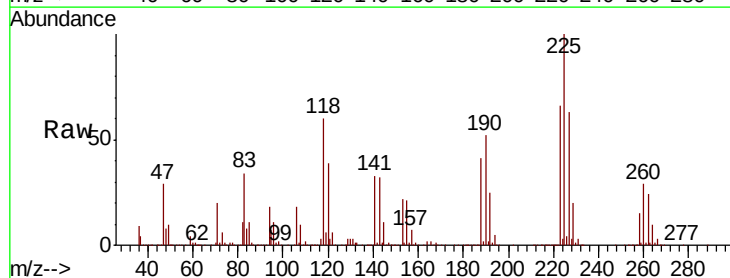
Tgt Ion:225 Resp: 2023008

Ion Ratio Lower Upper

225 100

223 63.7 51.4 77.0

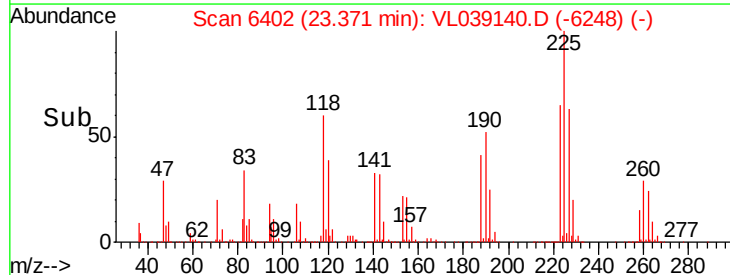
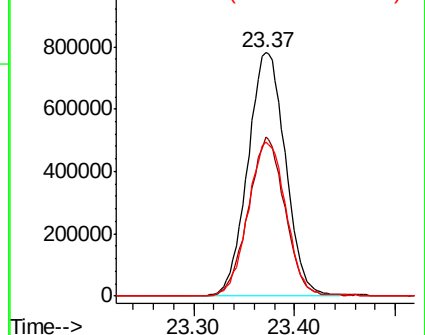
227 64.1 50.6 75.8

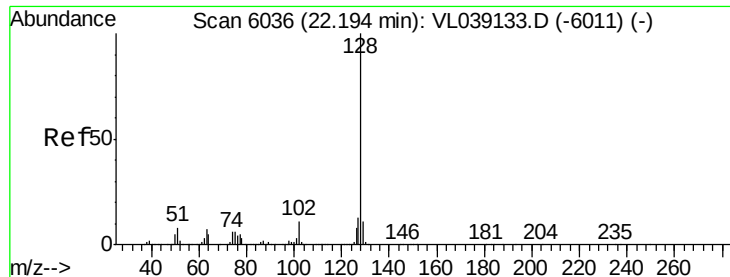


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.064 ppbv

RT: 22.19 min

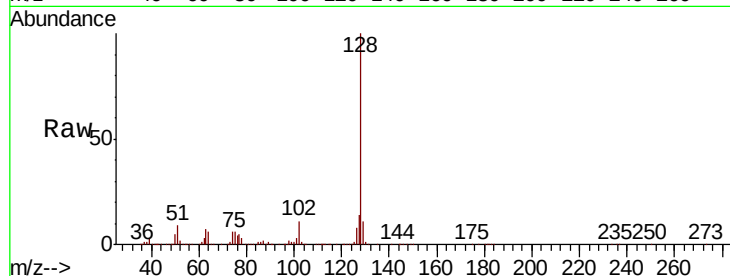
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 31 May 2022 21:53

Tot Ion:128 Resp: 3927826

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	11.2	9.0	13.6

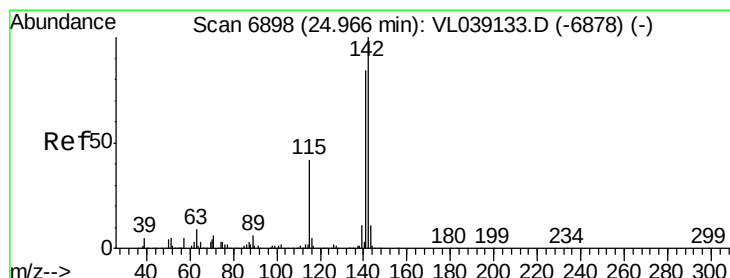
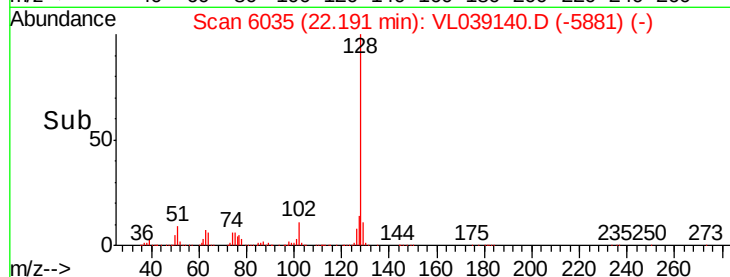
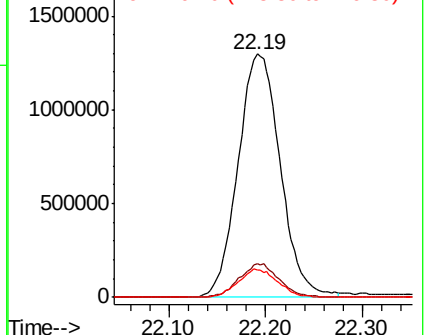


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.399 ppbv

RT: 24.97 min Scan# 6898

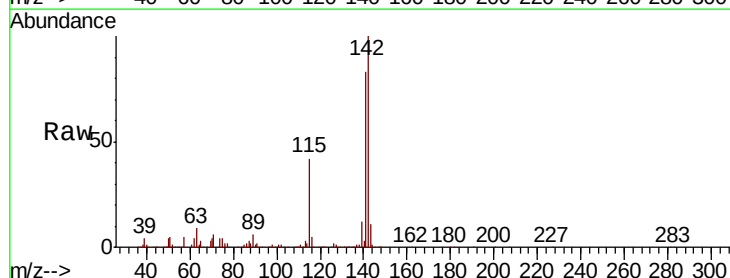
Delta R.T. -0.00 min

Lab File: VL039140.D

Acq: 31 May 2022 21:53

Tgt Ion:142 Resp: 1674372

Ion	Ratio	Lower	Upper
142	100		
141	87.1	64.6	96.8
115	40.6	32.7	49.1

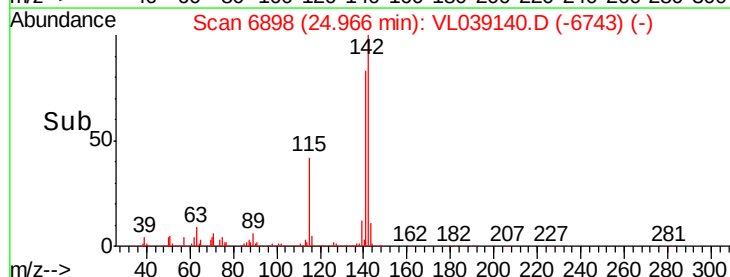
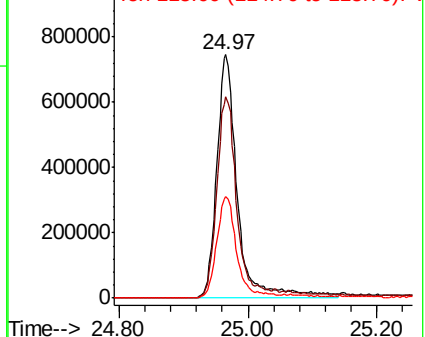


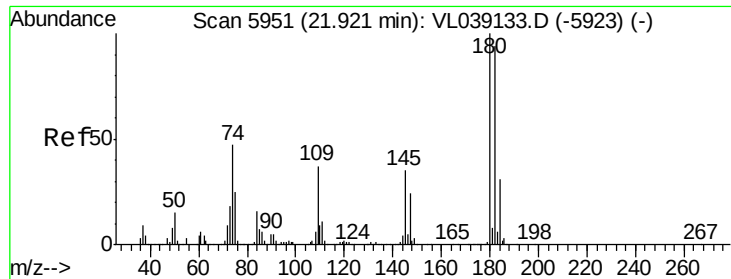
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.881 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 31 May 2022 21:55

Tot Ion:180 Resp: 2163710
 Ion Ratio Lower Upper
 180 100
 182 99.6 0.0 0.0#
 184 31.4 0.0 0.0#

