

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039397.D
 Acq On : 29 Jun 2022 13:45
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: Jun 29 15:35:02 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 29 15:33:53 2022
 QLast Update : Wed Jun 29 15:33:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1255989	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3601965	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3204976	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2370303	8.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.50%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	118062	0.54	ppbv	95
3) Chlorodifluoromethane	2.98	51	88588	0.55	ppbv	99
4) Chloromethane	3.13	50	49110	0.60	ppbv #	84
5) Vinyl Chloride	3.25	62	44441	0.58	ppbv	97
6) Bromomethane	3.46	94	20099	0.53	ppbv	87
7) Chloroethane	3.54	64	9626	0.36	ppbv	94
8) Dichlorotetrafluoroethane	3.18	85	109227	0.54	ppbv	95
9) Propene	3.00	41	38578	0.55	ppbv	95
10) Heptane	8.11	43	79910	0.49	ppbv	93
11) Trichlorofluoromethane	3.94	101	55329	0.28	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	73141	0.55	ppbv	90
13) Ethanol	3.60	45	966	0.25	ppbv #	23
14) Bromoethene	3.74	108	13994	0.24	ppbv #	1
15) Acetone	3.85	43	74803	0.57	ppbv #	88
16) 1,3-Butadiene	3.32	39	37906	0.54	ppbv	92
17) tert-Butyl alcohol	4.29	59	59920	0.59	ppbv #	91
18) 1,1-Dichloroethene	4.28	96	24078	0.41	ppbv	95
19) Isopropyl Alcohol	3.97	45	16122	0.26	ppbv #	82
20) Methylene Chloride	4.33	84	20996	0.38	ppbv #	81
21) Allyl Chloride	4.40	41	53971	0.61	ppbv	92
22) trans-1,2-Dichloroethene	4.87	96	34386	0.60	ppbv #	86
23) Vinyl Acetate	5.06	43	46620	0.43	ppbv #	95
24) 1,1-Dichloroethane	5.00	63	67905	0.46	ppbv #	94
25) Ethyl Acetate	5.67	43	156806	0.53	ppbv #	97
26) Hexane	5.67	57	38067	0.29	ppbv #	1
27) Carbon Disulfide	4.54	76	69165	0.51	ppbv #	96
28) Methyl tert-Butyl Ether	5.03	73	28773	0.20	ppbv #	30
29) Chloroform	5.74	83	110598	0.51	ppbv	96
30) Cyclohexane	7.11	84	22801	0.21	ppbv #	1
31) cis-1,2-Dichloroethene	5.54	61	66662	0.50	ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	106613	0.50	ppbv	95
34) 2-Butanone	5.24	43	70041	0.36	ppbv #	78
35) Carbon Tetrachloride	7.00	117	113669	0.43	ppbv	96
36) Benzene	6.87	78	140829	0.48	ppbv	95
37) 1,2-Dichloroethane	6.29	62	33951	0.18	ppbv #	81
38) Trichloroethene	7.82	130	37435	0.28	ppbv	90
39) 1,2-Dichloropropane	7.59	63	29556	0.25	ppbv	97
41) Tetrahydrofuran	6.06	42	43090	0.37	ppbv #	86
42) Bromodichloromethane	7.77	83	108749	0.41	ppbv	88
43) Methyl Methacrylate	8.00	69	34027	0.30	ppbv #	59
44) 2,2,4-Trimethylpentane	7.85	57	234392	0.46	ppbv	96

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Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jun 29 15:35:02 2022
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 29 15:33:53 2022
 QLast Update : Wed Jun 29 15:33:53 2022
 Response via : Initial Calibration

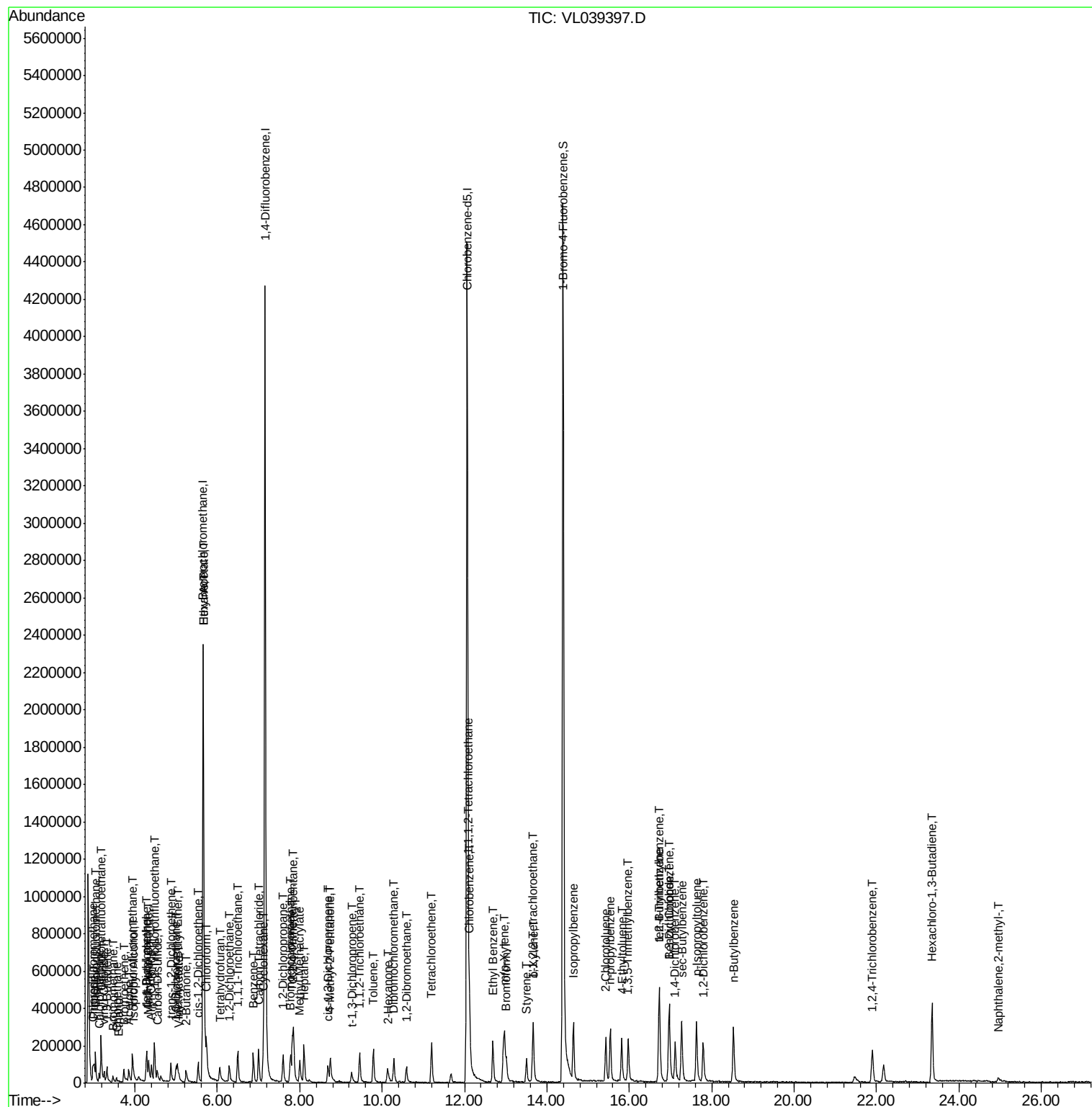
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.27	75	16669	0.14	ppbv	90
46) cis-1,3-Dichloropropene	8.68	75	52274	0.33	ppbv	95
47) 1,1,2-Trichloroethane	9.45	97	57470	0.47	ppbv	94
48) Dibromochloromethane	10.28	129	78237	0.36	ppbv	92
49) Bromoform	13.01	173	38270	0.21	ppbv #	56
50) 4-Methyl-2-Pentanone	8.74	43	115806	0.40	ppbv	97
51) 2-Hexanone	10.12	43	27862	0.12	ppbv #	29
52) Tetrachloroethene	11.19	164	26697	0.23	ppbv #	91
53) Toluene	9.78	91	75502	0.22	ppbv #	25
54) 1,2-Dibromoethane	10.59	107	69363	0.43	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.10	131	73001	0.48	ppbv #	1
57) Chlorobenzene	12.12	112	128855	0.53	ppbv	89
58) Ethyl Benzene	12.69	91	196965	0.45	ppbv	95
59) m/p-Xylene	12.97	91	205416	0.53	ppbv #	49
60) o-Xylene	13.67	91	165369	0.45	ppbv	96
61) Styrene	13.51	104	71323	0.36	ppbv	89
62) Isopropylbenzene	14.65	105	261796	0.48	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	88867	0.43	ppbv	100
64) n-propylbenzene	15.53	120	22823	0.17	ppbv #	1
65) tert-Butylbenzene	16.72	119	242971	0.49	ppbv	95
66) Benzyl Chloride	16.97	91	11542	0.18	ppbv #	65
67) sec-Butylbenzene	17.27	105	314921	0.46	ppbv	96
69) p-Isopropyltoluene	17.63	119	144917	0.25	ppbv #	49
70) n-Butylbenzene	18.52	91	87091	0.15	ppbv #	33
71) 2-Chlorotoluene	15.43	91	174992	0.42	ppbv	97
72) 4-Ethyltoluene	15.82	105	185332	0.43	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	177158	0.46	ppbv	91
74) 1,2,4-Trimethylbenzene	16.74	105	195678	0.45	ppbv	93
75) 1,3-Dichlorobenzene	16.97	146	121619	0.50	ppbv	96
76) 1,4-Dichlorobenzene	17.11	146	59148	0.24	ppbv #	26
77) 1,2-Dichlorobenzene	17.79	146	56851	0.23	ppbv #	13
78) Hexachloro-1,3-Butadiene	23.34	225	39566	0.18	ppbv #	18
80) Naphthalene,2-methyl-	24.95	142	17177	0.14	ppbv	96
81) 1,2,4-Trichlorobenzene	21.88	180	13230	0.06	ppbv #	12

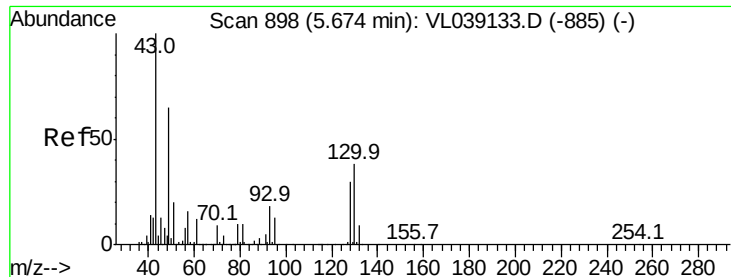
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VSTDICC0.5

Quant Time: Jun 29 15:35:02 2022
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.5

Acq: 29 Jun 2022 13:45

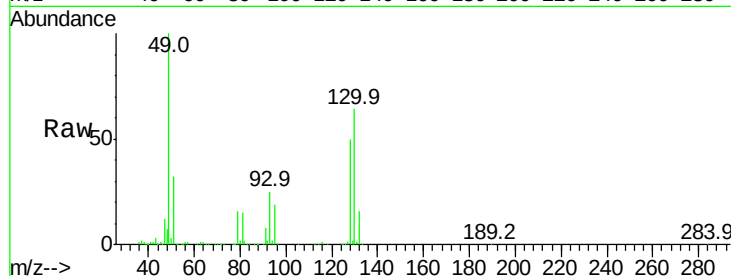
Tgt Ion: 49 Resp: 1255989

Ion Ratio Lower Upper

49 100

128 54.2 26.7 80.0

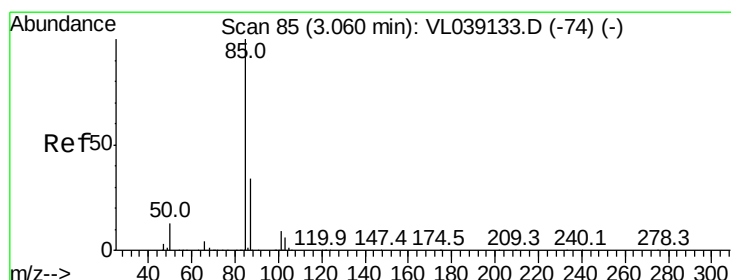
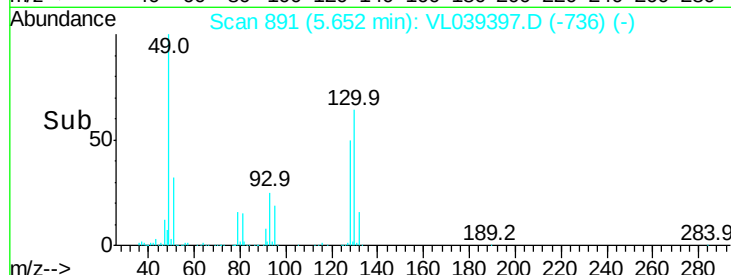
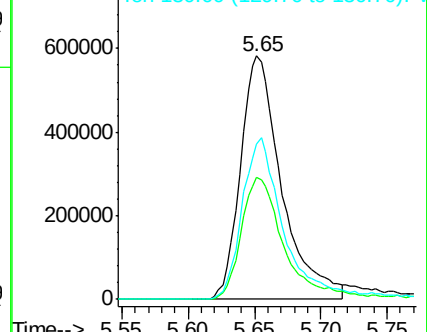
130 69.5 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.54 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL039397.D

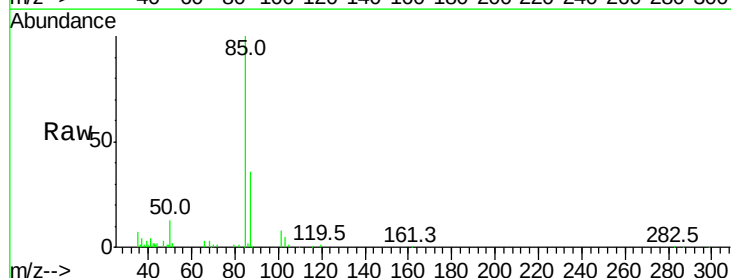
Acq: 29 Jun 2022 13:45

Tgt Ion: 85 Resp: 118062

Ion Ratio Lower Upper

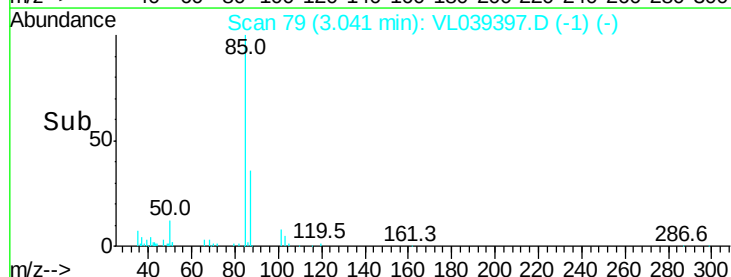
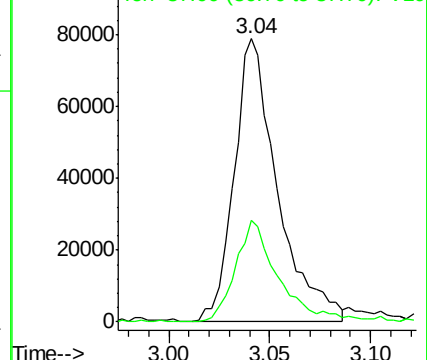
85 100

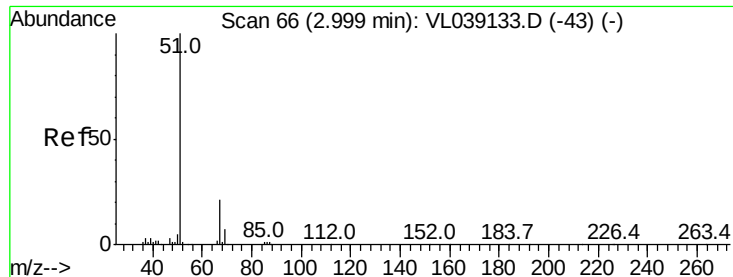
87 36.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.55 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.5

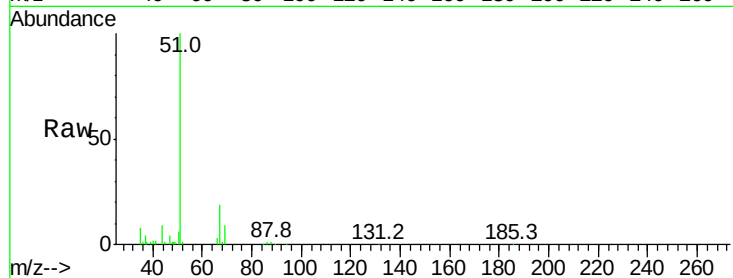
Acq: 29 Jun 2022 13:45

Tgt Ion: 51 Resp: 88588

Ion Ratio Lower Upper

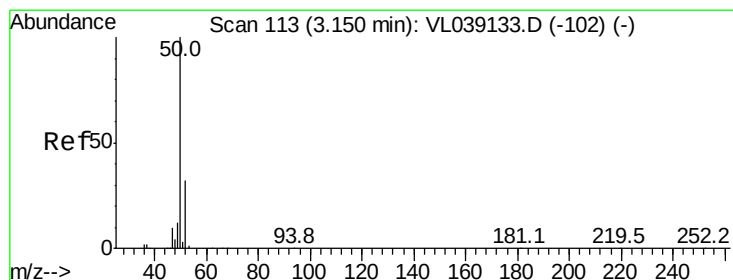
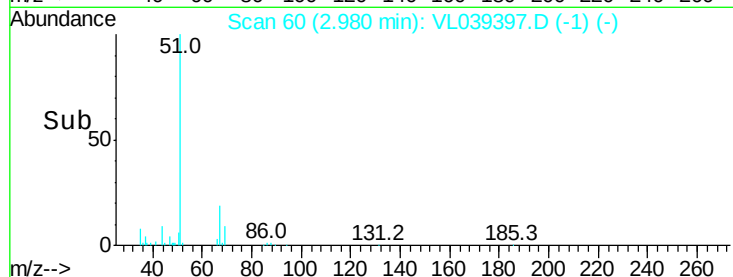
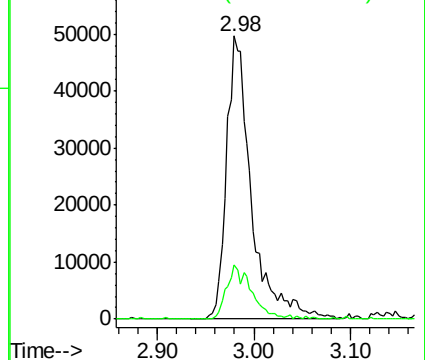
51 100

67 19.4 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: 0.60 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL039397.D

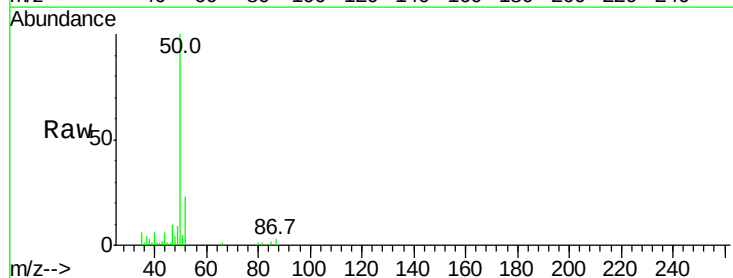
Acq: 29 Jun 2022 13:45

Tgt Ion: 50 Resp: 49110

Ion Ratio Lower Upper

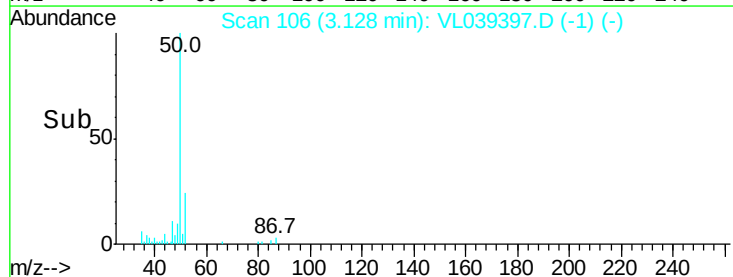
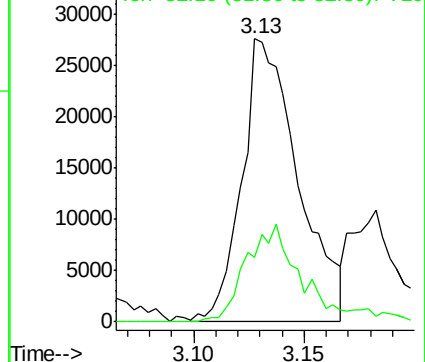
50 100

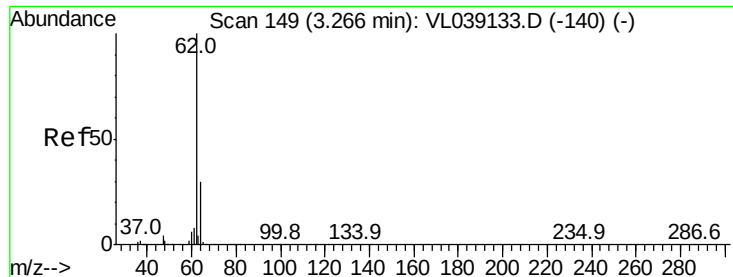
52 23.9 26.5 39.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.58 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

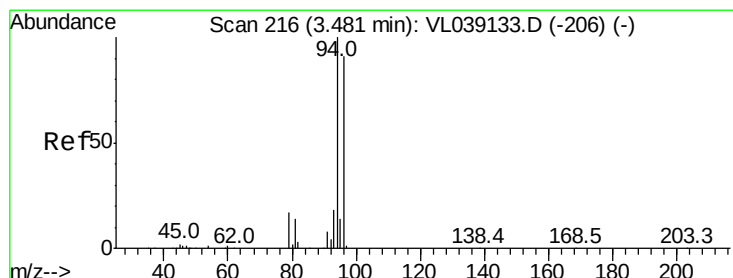
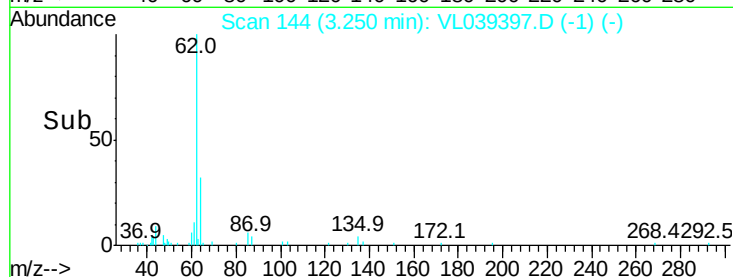
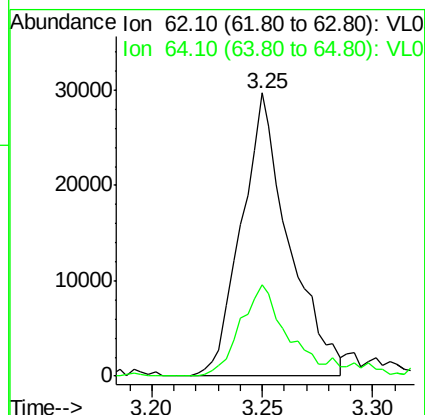
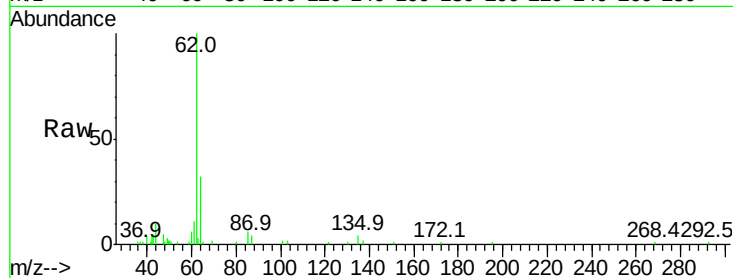
Acq: 29 Jun 2022 13:45 VSTDIC0.5

Tgt Ion: 62 Resp: 44441

Ion Ratio Lower Upper

62 100

64 32.2 24.6 36.8



#6

Bromomethane

Concen: 0.53 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL039397.D

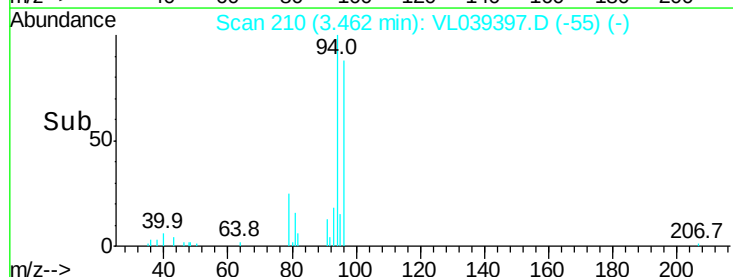
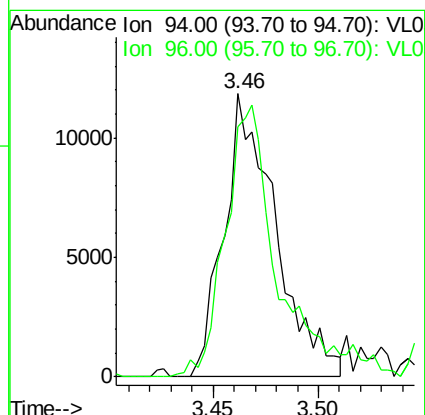
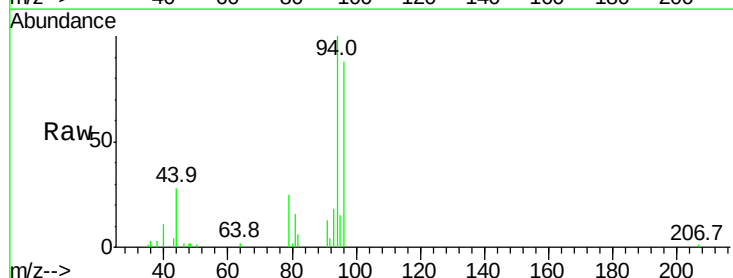
Acq: 29 Jun 2022 13:45

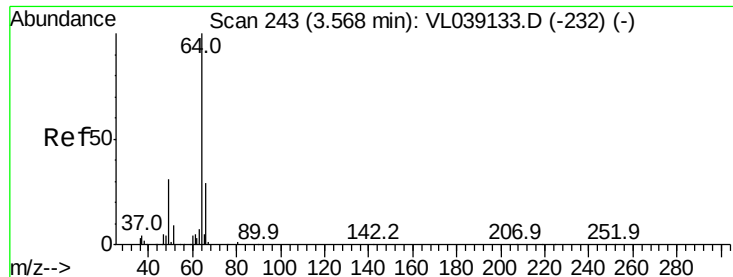
Tgt Ion: 94 Resp: 20099

Ion Ratio Lower Upper

94 100

96 82.2 75.6 113.4





#7

Chloroethane

Concen: 0.36 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

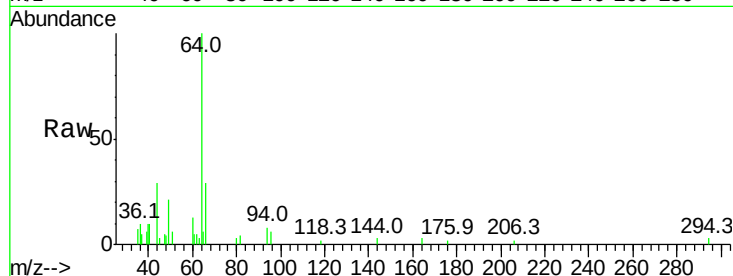
Acq: 29 Jun 2022 13:45 VSTDIC0.5

Tgt Ion: 64 Resp: 9626

Ion Ratio Lower Upper

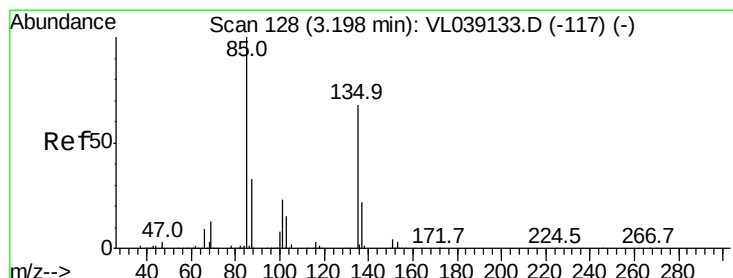
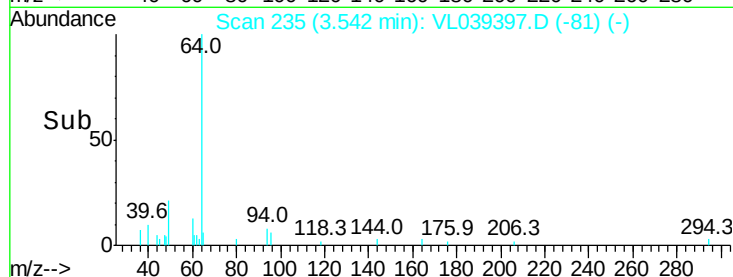
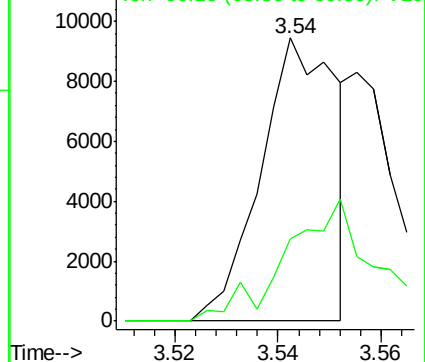
64 100

66 27.5 24.7 37.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.54 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL039397.D

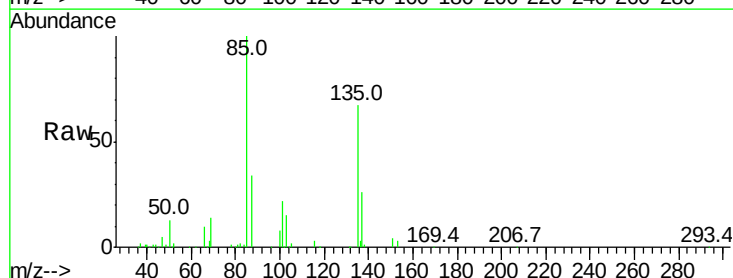
Acq: 29 Jun 2022 13:45

Tgt Ion: 85 Resp: 109227

Ion Ratio Lower Upper

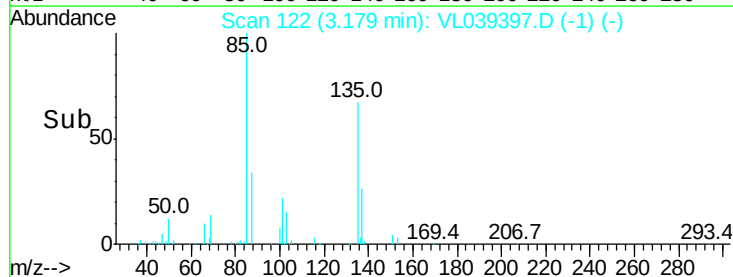
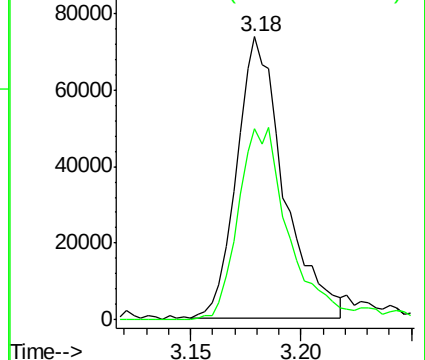
85 100

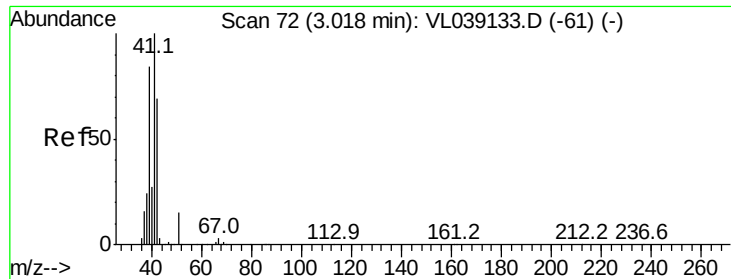
135 78.0 59.0 88.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.55 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId:

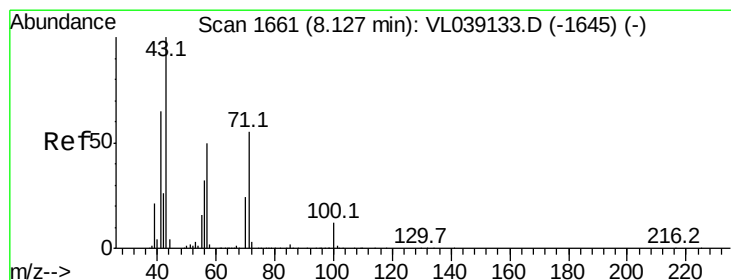
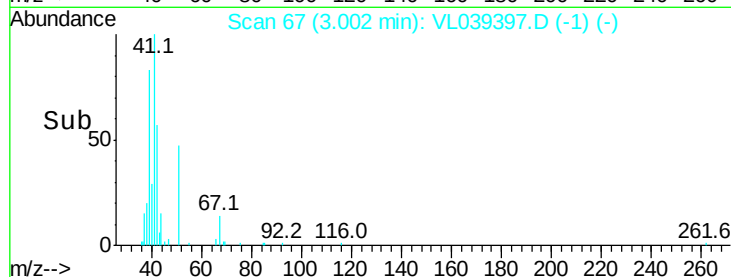
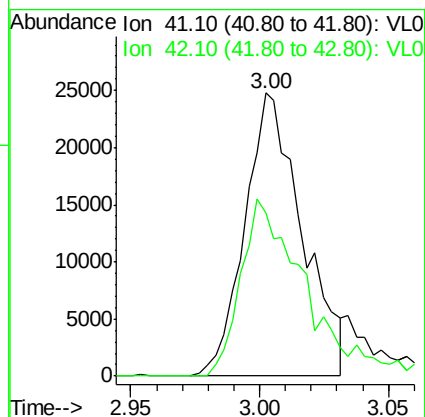
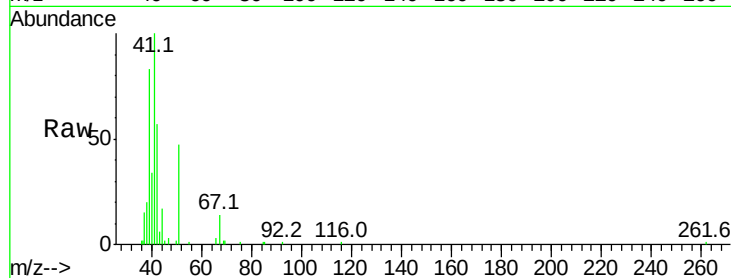
Acq: 29 Jun 2022 13:45

Tgt Ion: 41 Resp: 38578

Ion Ratio Lower Upper

41 100

42 72.9 55.2 82.8



#10

Heptane

Concen: 0.49 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL039397.D

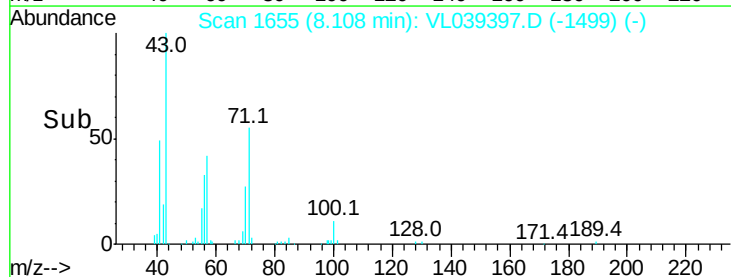
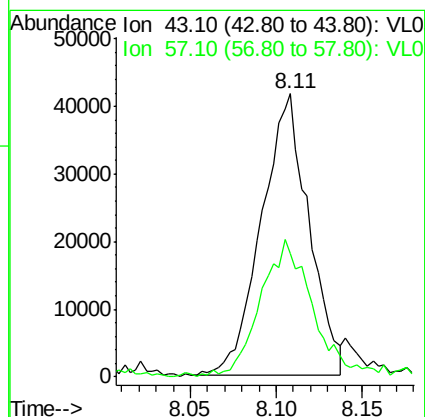
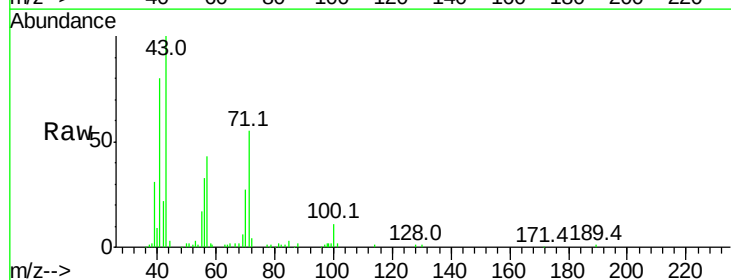
Acq: 29 Jun 2022 13:45

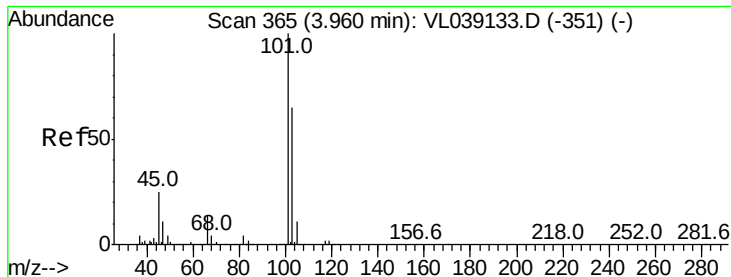
Tgt Ion: 43 Resp: 79910

Ion Ratio Lower Upper

43 100

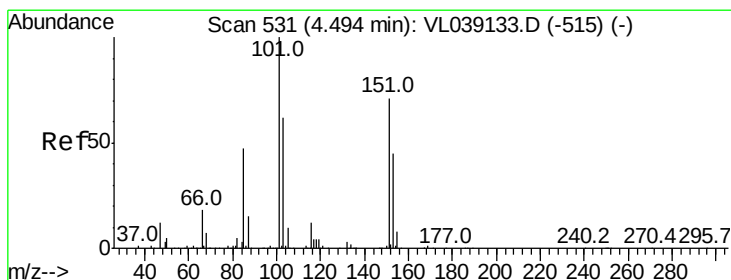
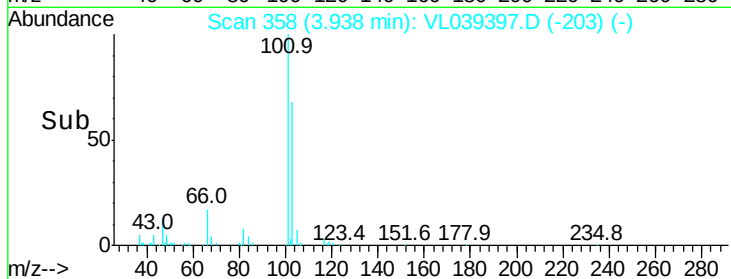
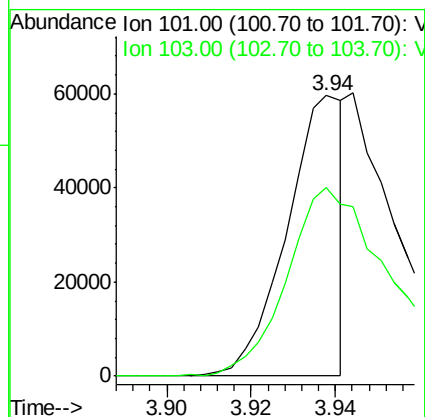
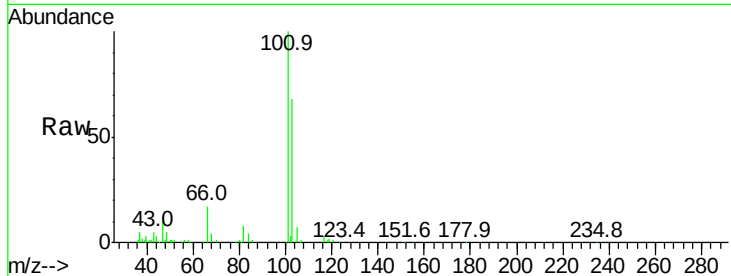
57 55.7 40.5 60.7





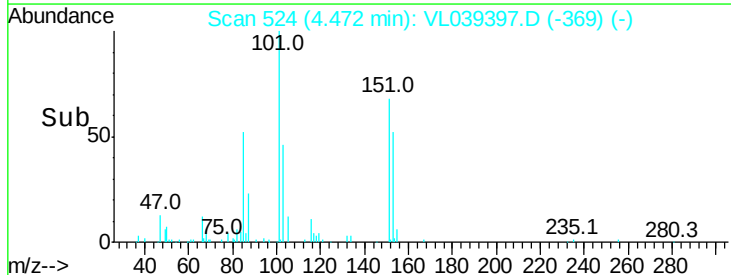
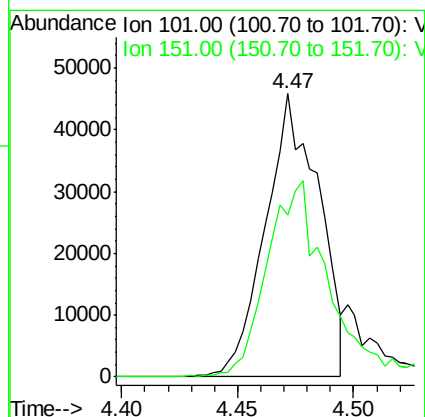
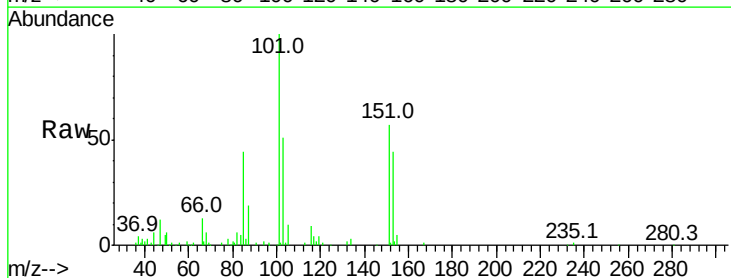
#11
 Trichlorofluoromethane
 Concen: 0.28 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 29 Jun 2022 13:45

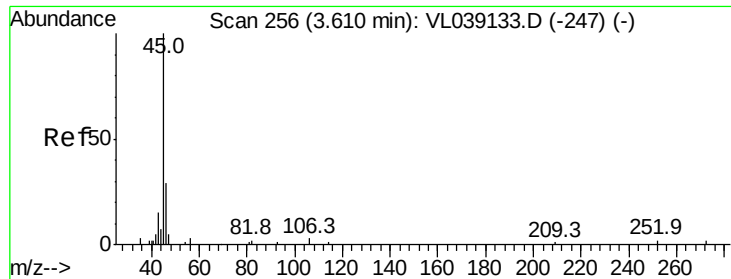
Tgt Ion:101 Resp: 55329
 Ion Ratio Lower Upper
 101 100
 103 66.8 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.55 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.00 min
 Lab File: VL039397.D
 Acq: 29 Jun 2022 13:45

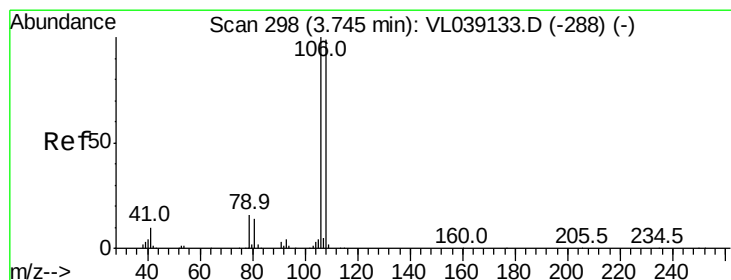
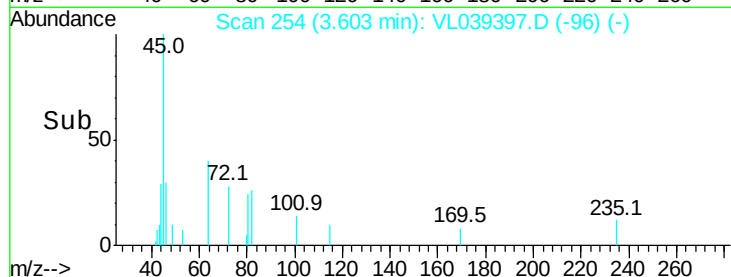
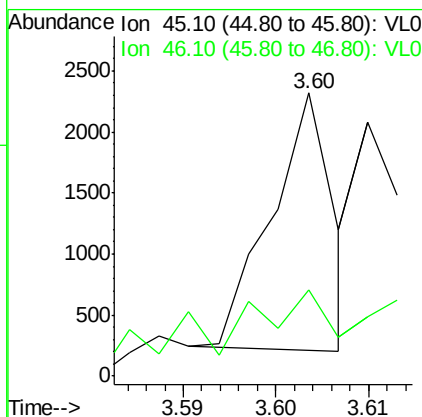
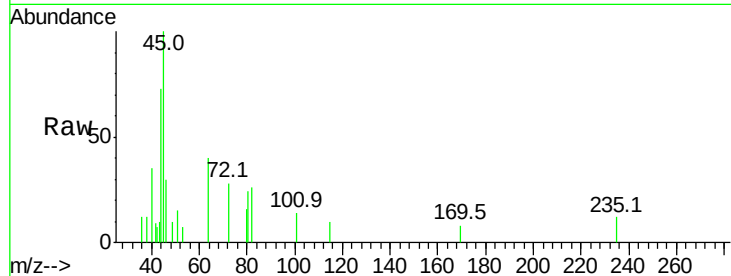
Tgt Ion:101 Resp: 73141
 Ion Ratio Lower Upper
 101 100
 151 82.4 58.9 88.3





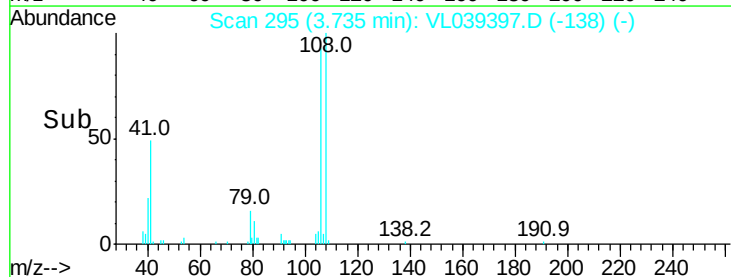
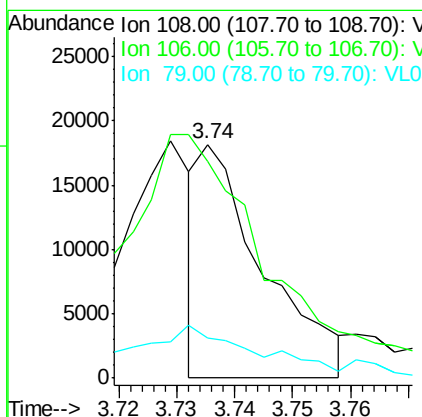
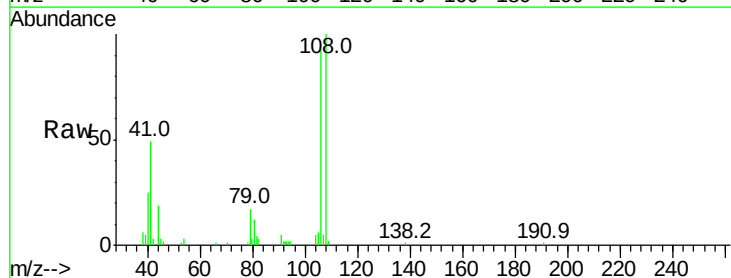
#13
 Ethanol
 Concen: 0.25 ppbv
 RT: 3.60
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDIC0.5
 Acq: 29 Jun 2022 13:45

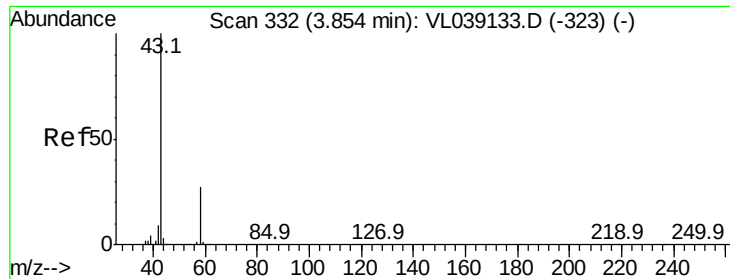
Tgt Ion: 45 Resp: 966
 Ion Ratio Lower Upper
 45 100
 46 0.0 22.8 91.2#



#14
 Bromoethene
 Concen: 0.24 ppbv
 RT: 3.74 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VL039397.D
 Acq: 29 Jun 2022 13:45

Tgt Ion: 108 Resp: 13994
 Ion Ratio Lower Upper
 108 100
 106 0.0 87.1 130.7#
 79 52.0 14.6 22.0#





#15

Acetone

Concen: 0.57 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

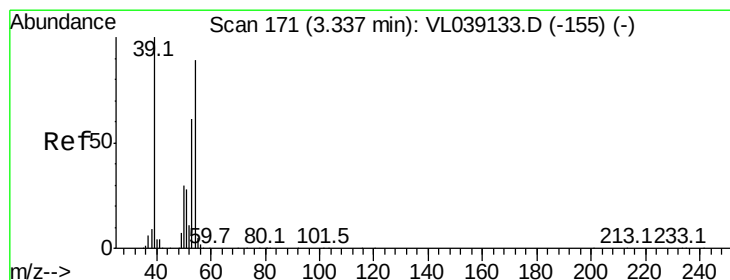
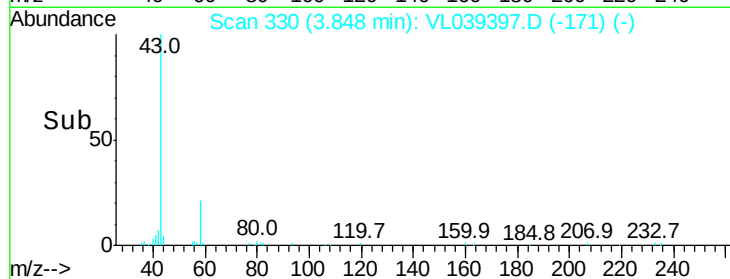
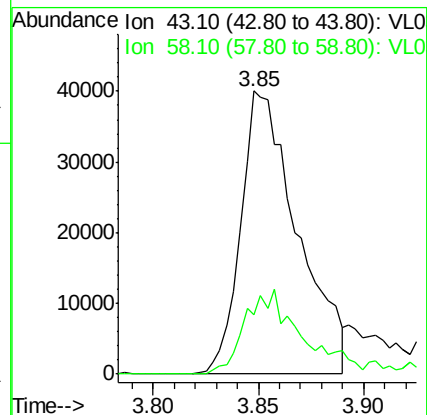
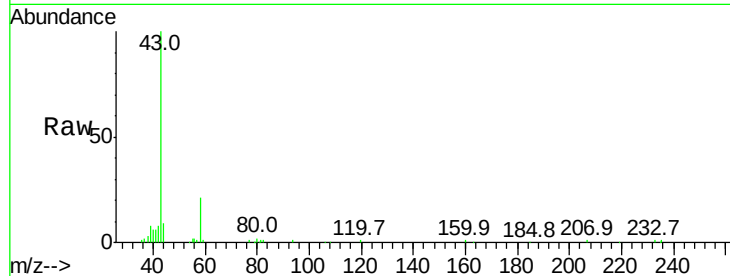
Acq: 29 Jun 2022 13:45 VSTDIC0.5

Tgt Ion: 43 Resp: 74803

Ion Ratio Lower Upper

43 100

58 32.7 21.0 31.6#



#16

1,3-Butadiene

Concen: 0.54 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL039397.D

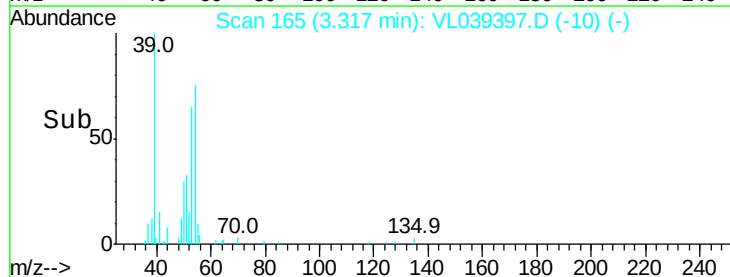
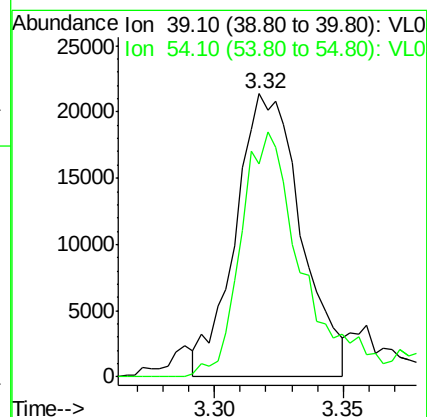
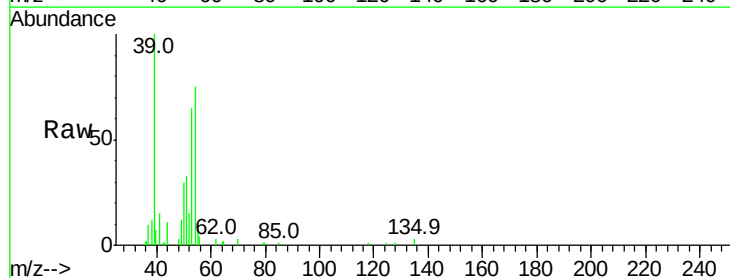
Acq: 29 Jun 2022 13:45

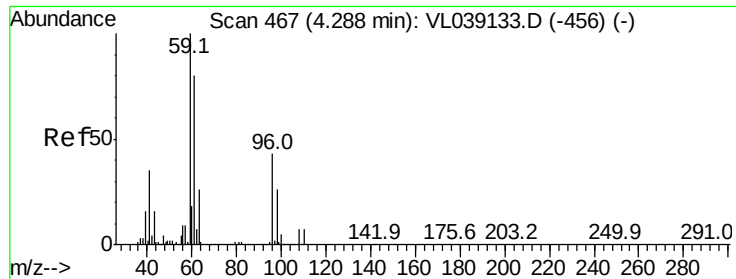
Tgt Ion: 39 Resp: 37906

Ion Ratio Lower Upper

39 100

54 87.0 63.7 95.5





#17

tert-Butyl alcohol

Concen: 0.59 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. -0.00 min

Lab File: ClientSampleId: VSTDIC0.5

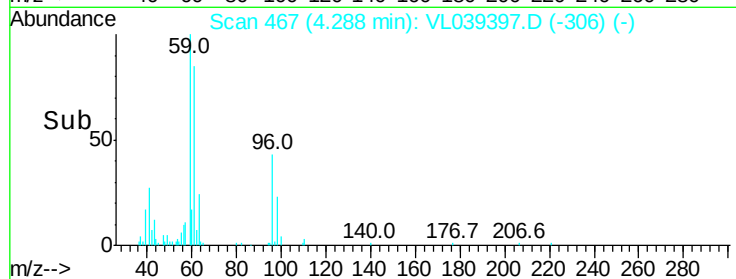
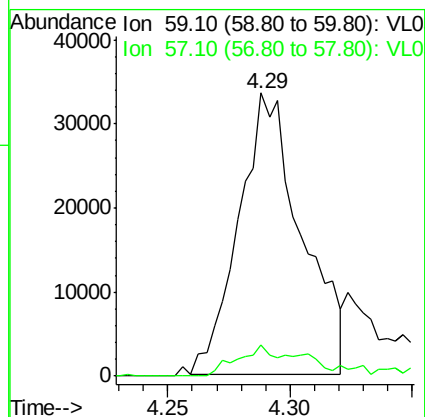
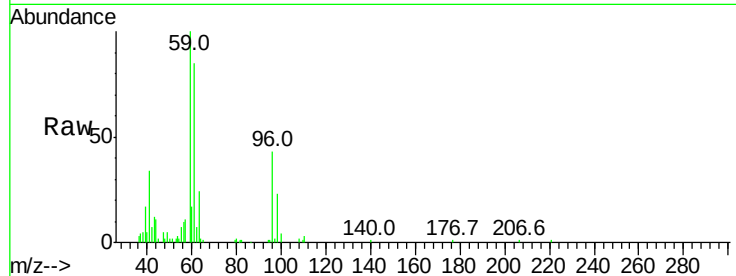
Acq: 29 Jun 2022 13:45

Tgt Ion: 59 Resp: 59920

Ion Ratio Lower Upper

59 100

57 14.3 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.41 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.00 min

Lab File: VL039397.D

Acq: 29 Jun 2022 13:45

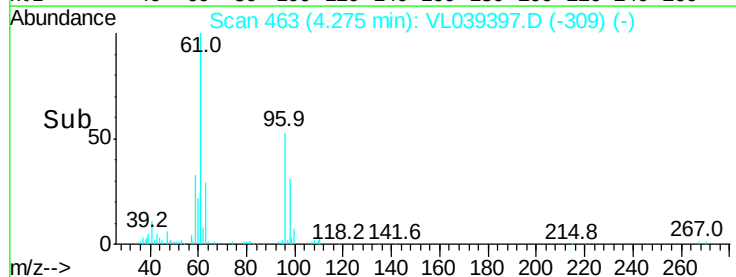
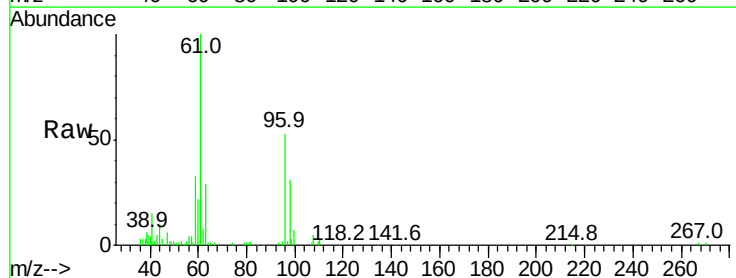
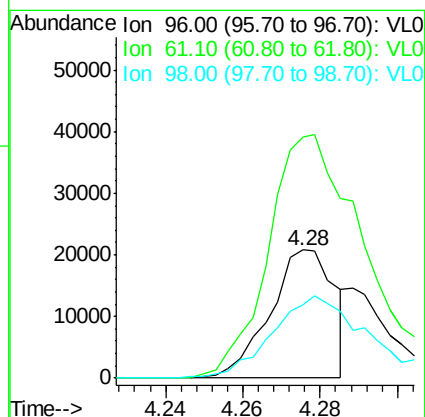
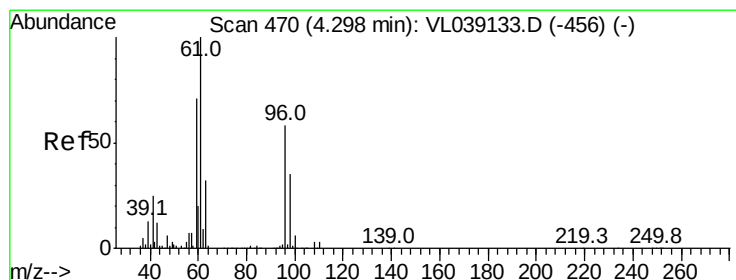
Tgt Ion: 96 Resp: 24078

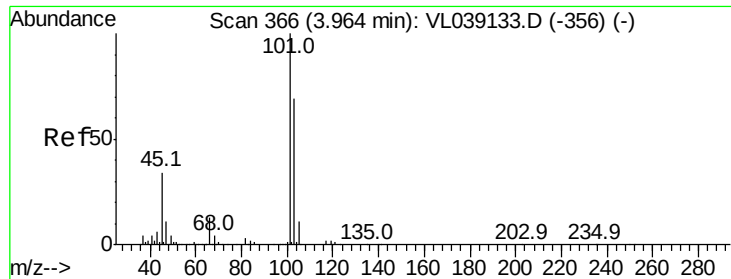
Ion Ratio Lower Upper

96 100

61 185.8 152.2 228.4

98 56.0 51.8 77.6





#19

Isopropyl Alcohol

Concen: 0.26 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

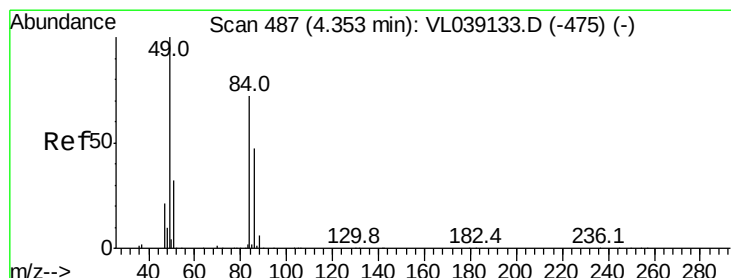
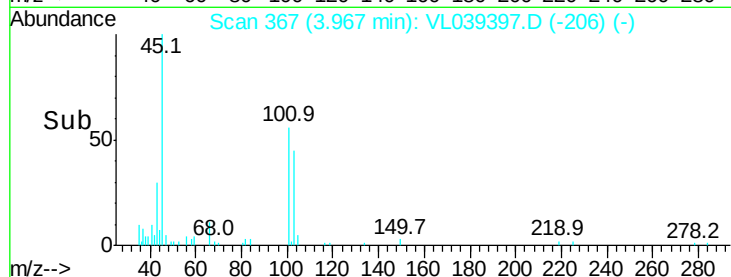
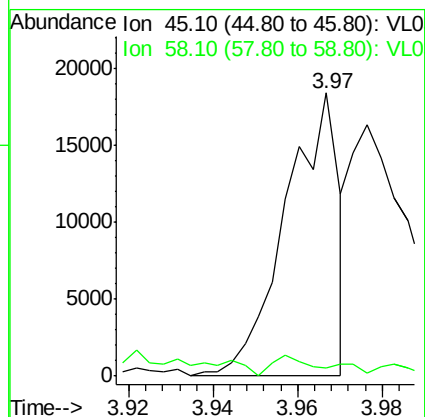
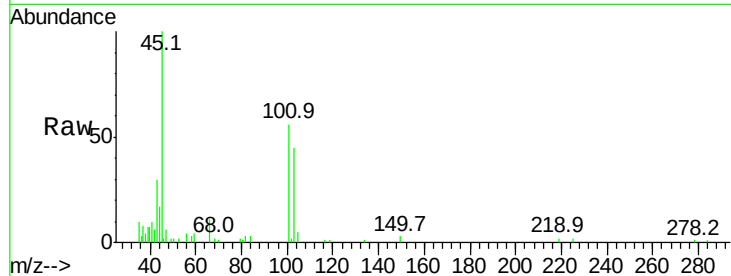
Acq: 29 Jun 2022 13:45 VSTDIC0.5

Tgt Ion: 45 Resp: 16122

Ion Ratio Lower Upper

45 100

58 9.9 3.2 4.8#



#20

Methylene Chloride

Concen: 0.38 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL039397.D

Acq: 29 Jun 2022 13:45

Tgt Ion: 84 Resp: 20996

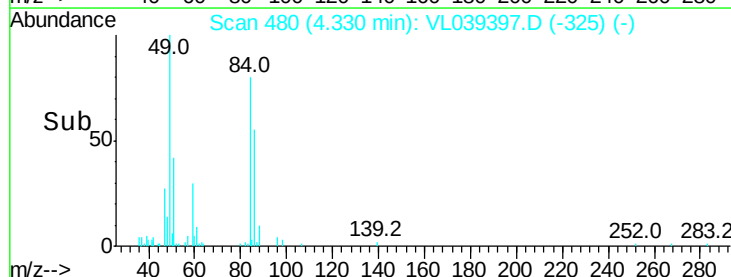
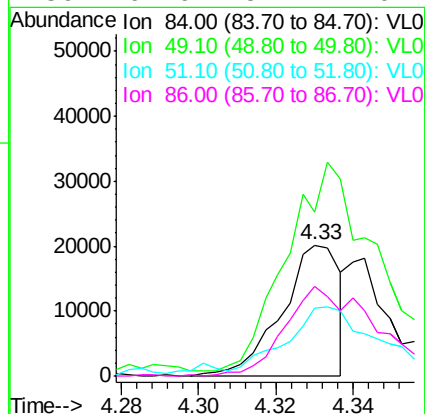
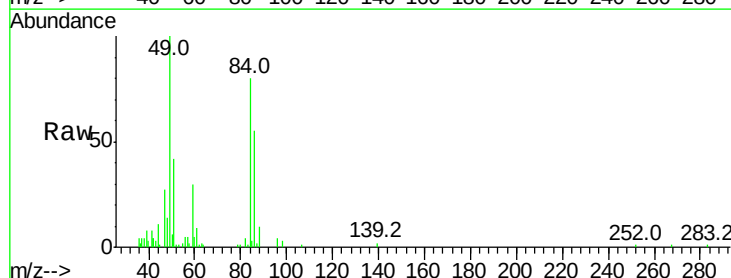
Ion Ratio Lower Upper

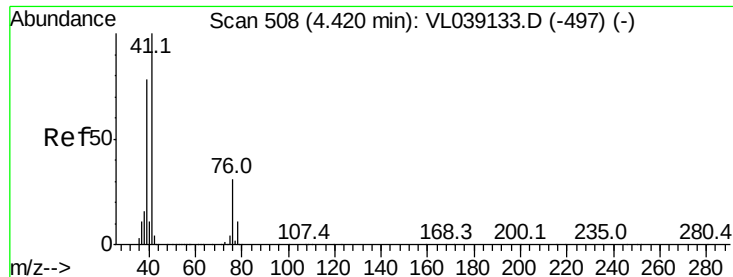
84 100

49 118.0 123.1 184.7#

51 47.7 34.4 51.6

86 67.6 51.1 76.7





#21

Allyl Chloride

Concen: 0.61 ppbv

RT: 4.40 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Jun 2022 13:45 VSTDIC0.5

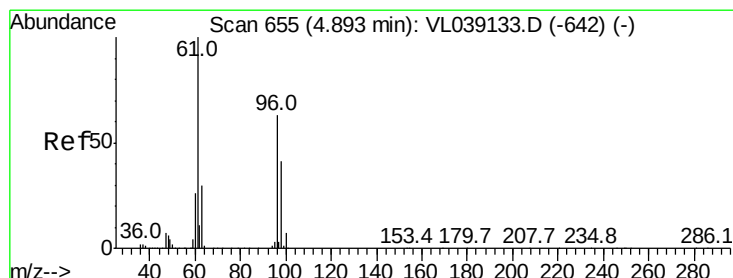
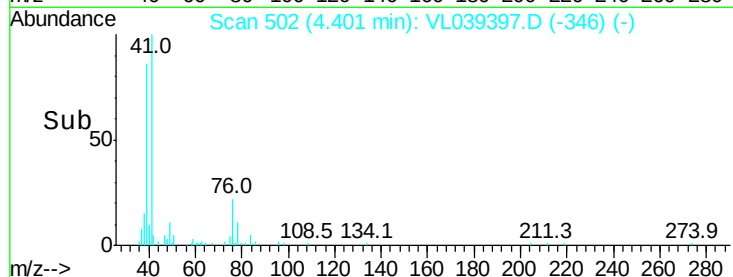
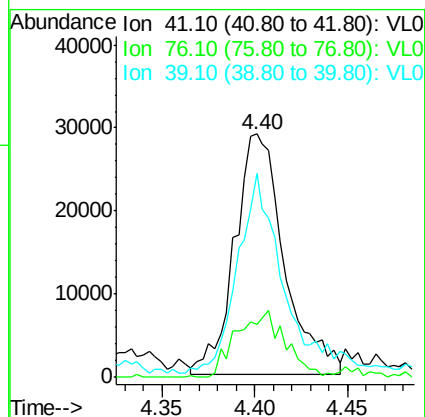
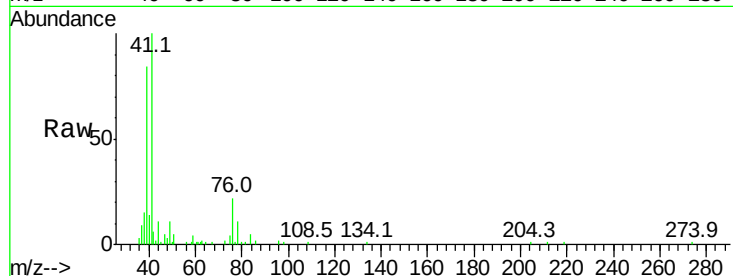
Tgt Ion: 41 Resp: 53971

Ion Ratio Lower Upper

41 100

76 27.7 24.4 36.6

39 87.8 63.5 95.3



#22

trans-1,2-Dichloroethene

Concen: 0.60 ppbv

RT: 4.87 min Scan# 649

Delta R.T. 0.00 min

Lab File: VL039397.D

Acq: 29 Jun 2022 13:45

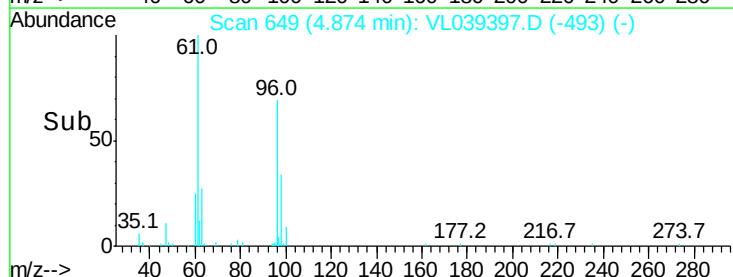
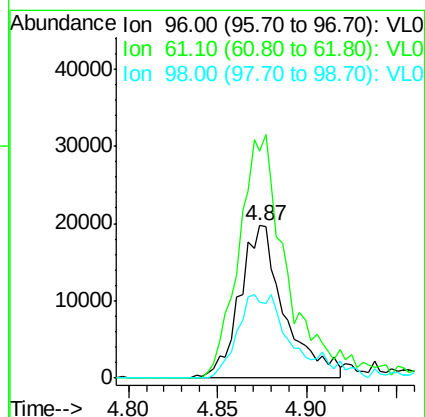
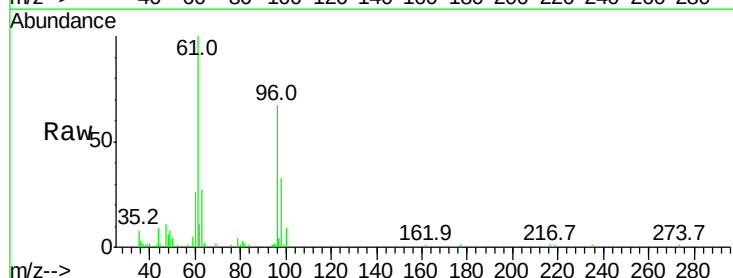
Tgt Ion: 96 Resp: 34386

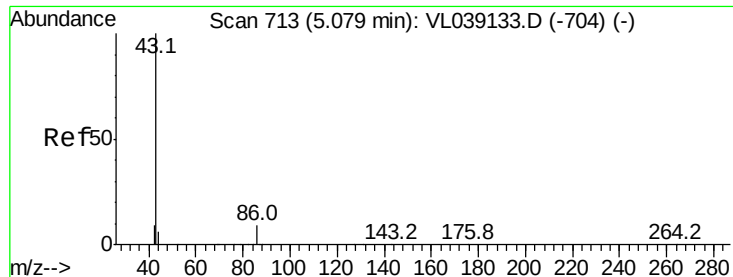
Ion Ratio Lower Upper

96 100

61 148.9 130.6 195.8

98 49.8 53.4 80.0#





#23

Vinyl Acetate

Concen: 0.43 ppbv

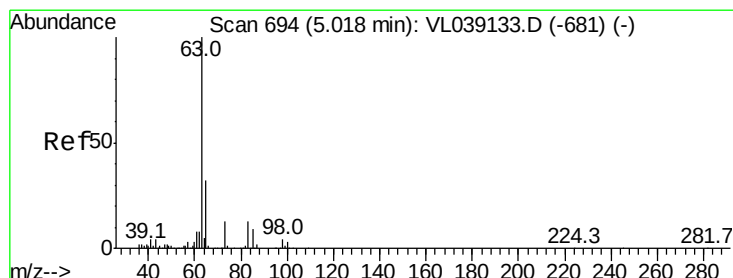
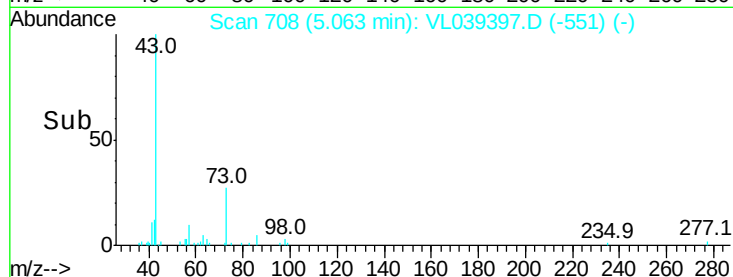
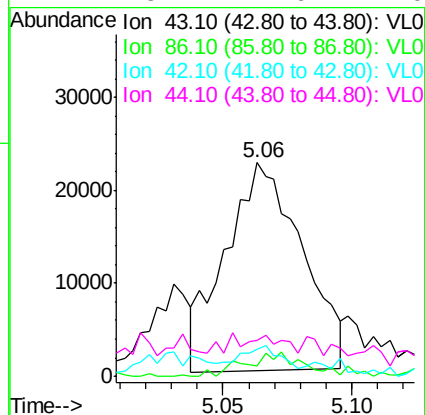
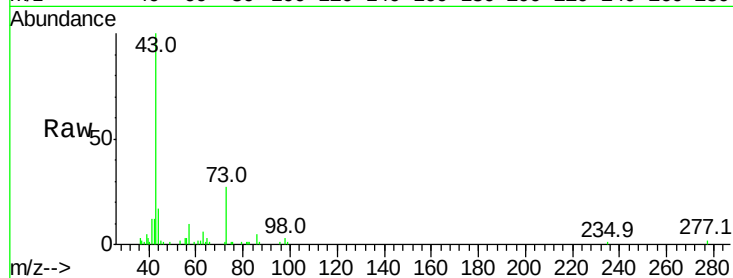
RT: 5.06 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Jun 2022 13:45 VSTDIC0.5

Tgt Ion:	43	Resp:	46620
Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.0	7.6
42	5.7	7.7	11.5#
44	5.2	4.6	7.0



#24

1,1-Dichloroethane

Concen: 0.46 ppbv

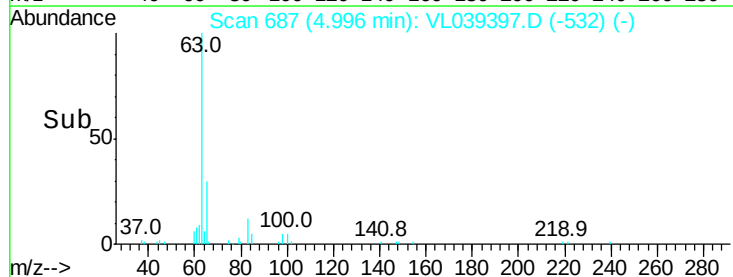
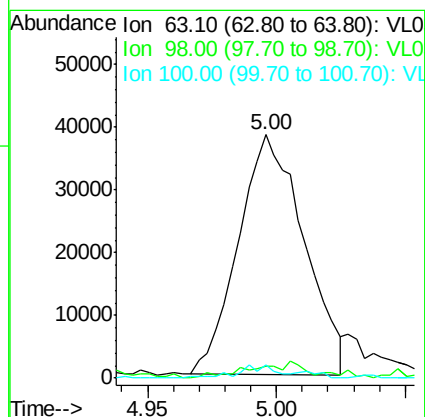
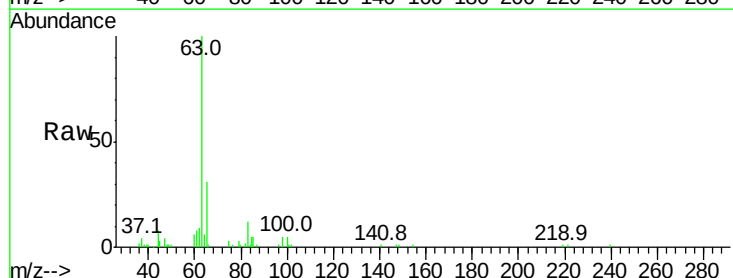
RT: 5.00 min Scan# 687

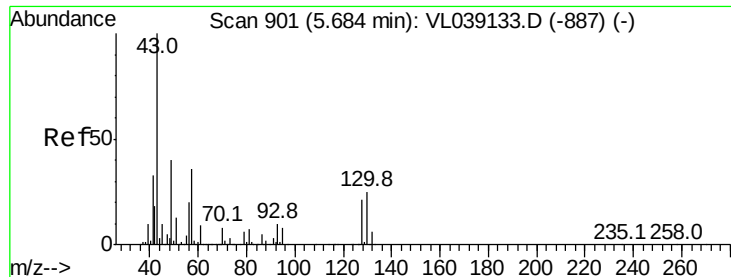
Delta R.T. -0.00 min

Lab File: VL039397.D

Acq: 29 Jun 2022 13:45

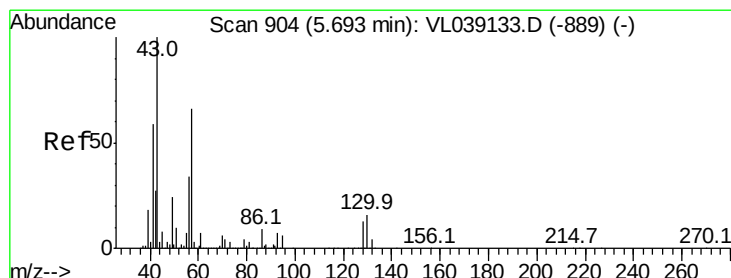
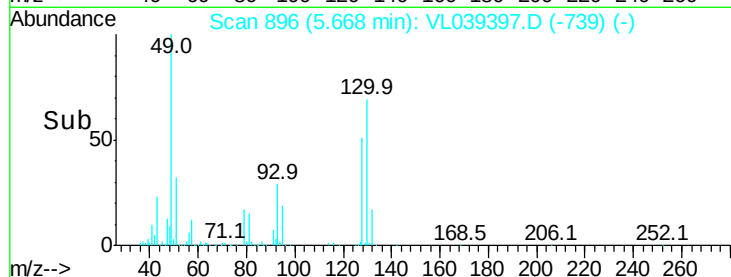
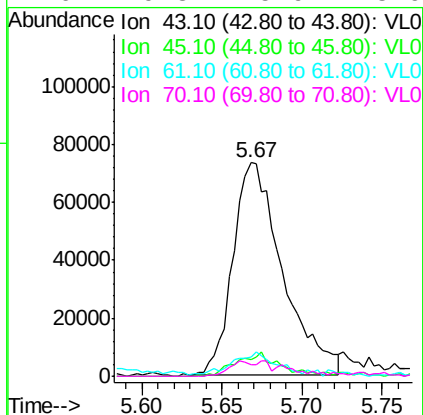
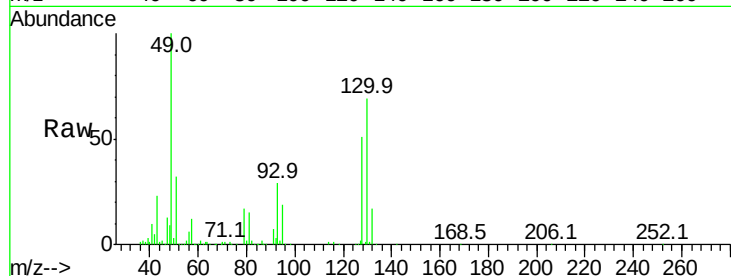
Tgt Ion:	63	Resp:	67905
Ion	Ratio	Lower	Upper
63	100		
98	5.2	1.8	5.3
100	5.4	1.5	4.4#





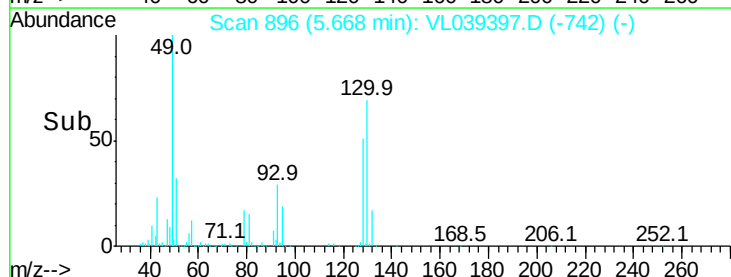
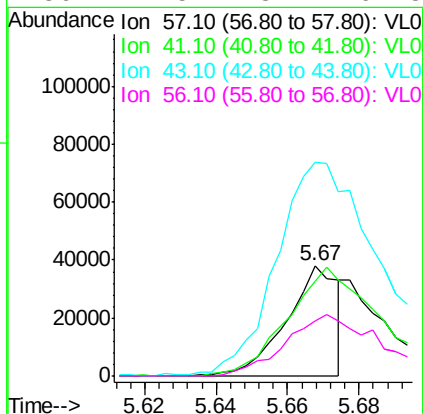
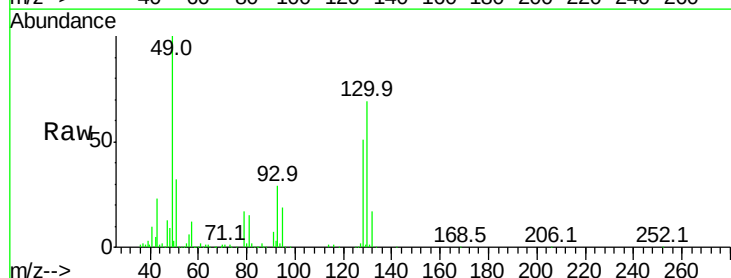
#25
 Ethyl Acetate
 Concen: 0.53 ppbv
 RT: 5.67
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VSTDIC0.5
 Acq: 29 Jun 2022 13:45

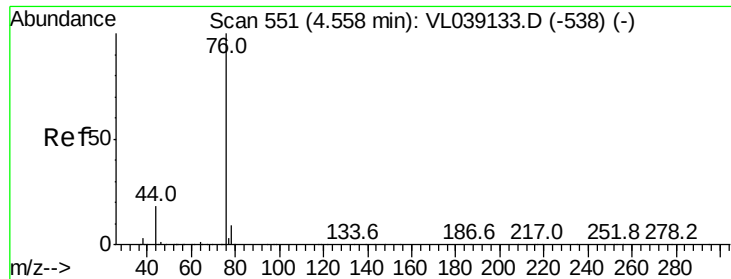
Tgt Ion:	43	Resp:	156806
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	11.8	8.3	12.5
70	9.3	5.9	8.9#



#26
 Hexane
 Concen: 0.29 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.00 min
 Lab File: VL039397.D
 Acq: 29 Jun 2022 13:45

Tgt Ion:	57	Resp:	38067
Ion	Ratio	Lower	Upper
57	100		
41	190.8	76.9	115.3#
43	469.2	191.0	286.6#
56	111.5	43.2	64.8#





#27

Carbon Disulfide

Concen: 0.51 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Jun 2022 13:45 VSTDIC0.5

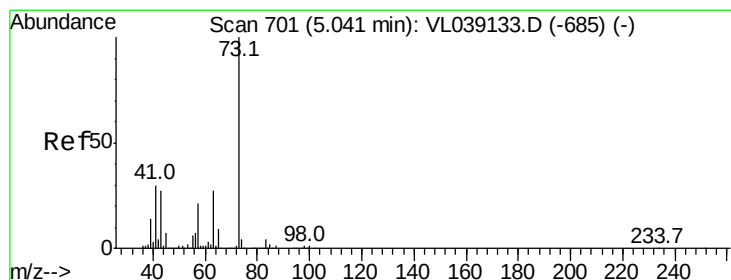
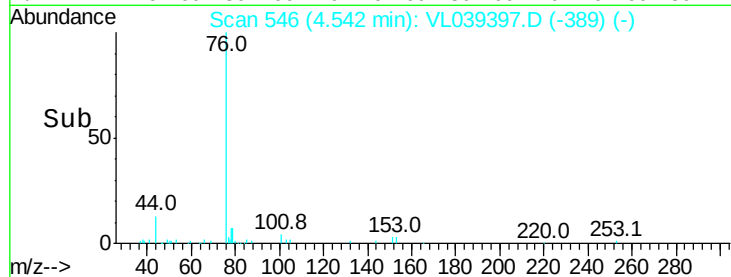
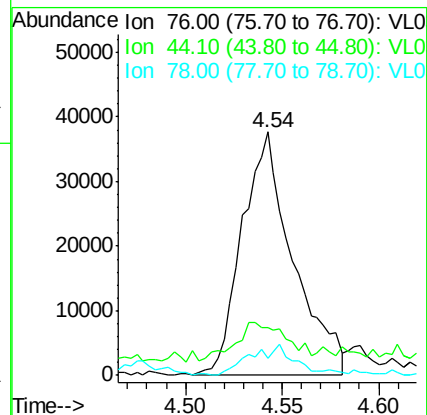
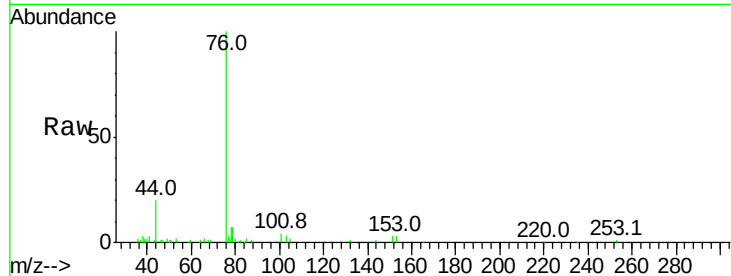
Tgt Ion: 76 Resp: 69165

Ion Ratio Lower Upper

76 100

44 19.2 14.6 21.8

78 12.4 7.8 11.6#



#28

Methyl tert-Butyl Ether

Concen: 0.20 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL039397.D

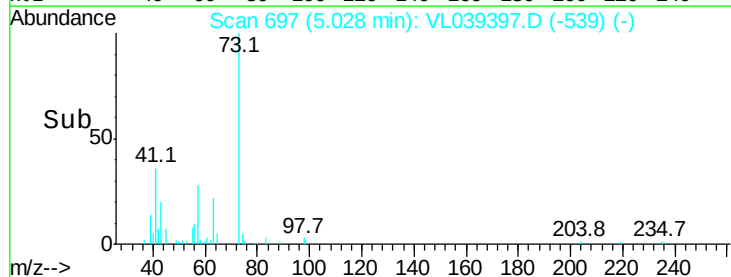
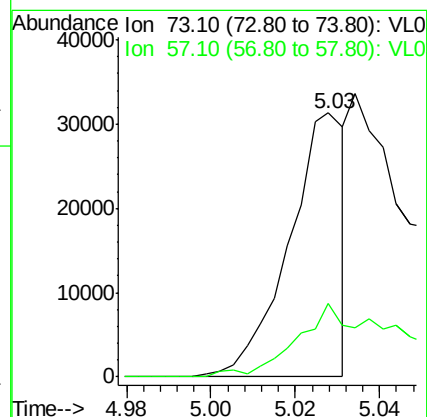
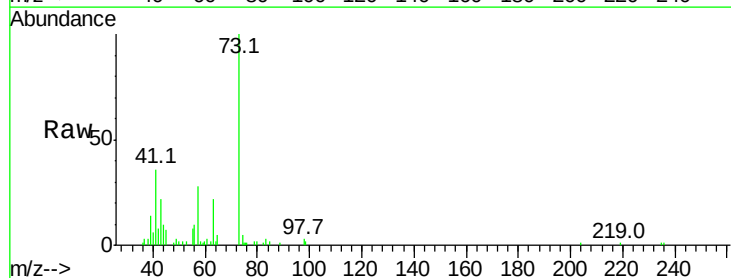
Acq: 29 Jun 2022 13:45

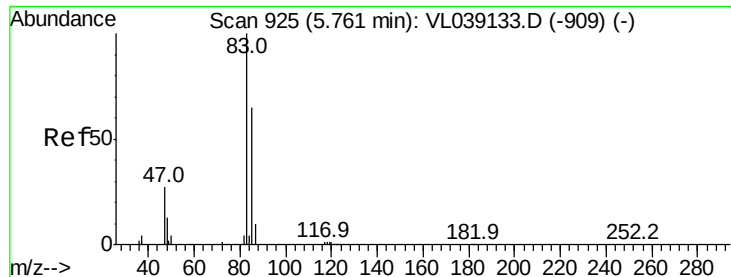
Tgt Ion: 73 Resp: 28773

Ion Ratio Lower Upper

73 100

57 59.9 19.8 29.8#





#29

Chloroform

Concen: 0.51 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

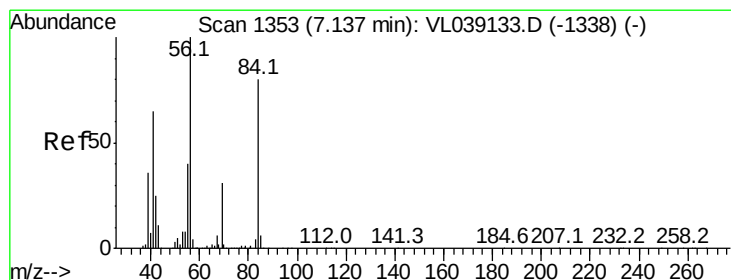
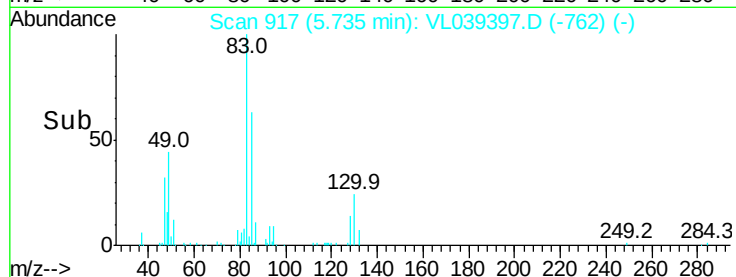
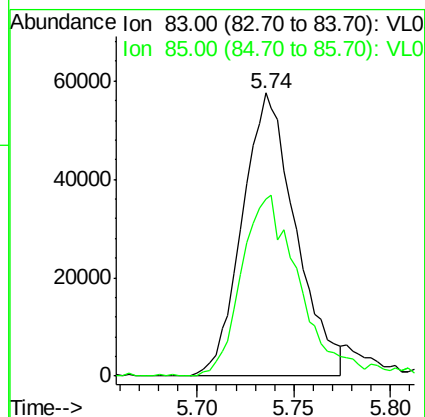
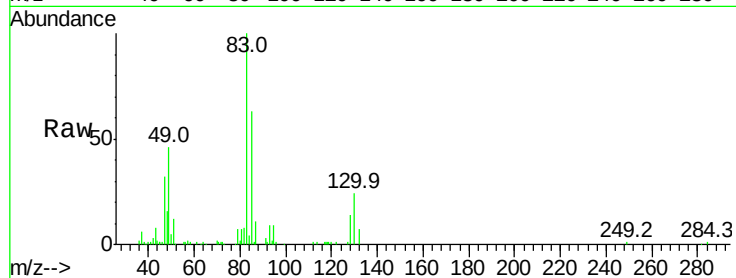
Acq: 29 Jun 2022 13:45 VSTDIC0.5

Tgt Ion: 83 Resp: 110598

Ion Ratio Lower Upper

83 100

85 62.5 52.8 79.2



#30

Cyclohexane

Concen: 0.21 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VL039397.D

Acq: 29 Jun 2022 13:45

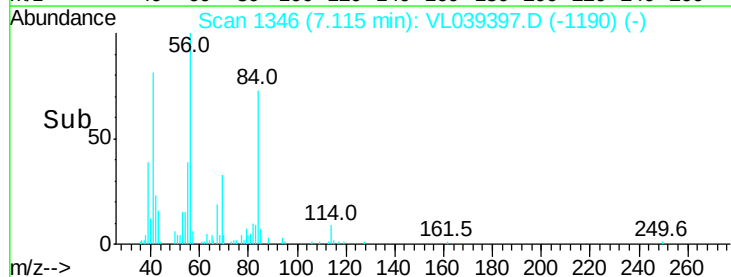
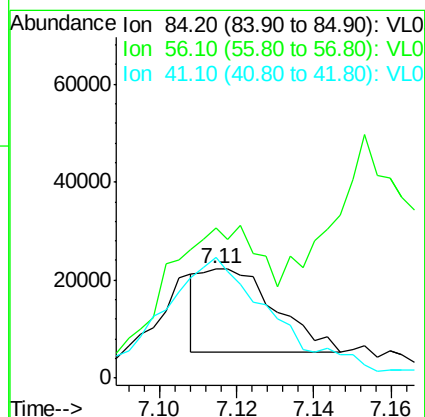
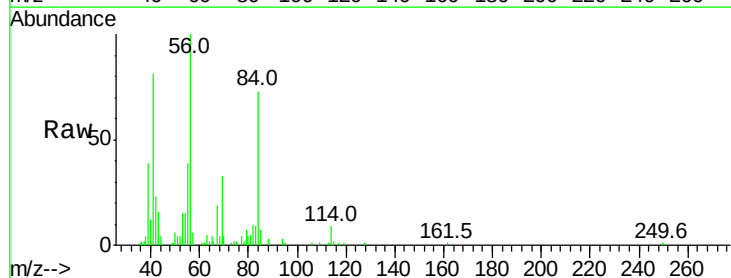
Tgt Ion: 84 Resp: 22801

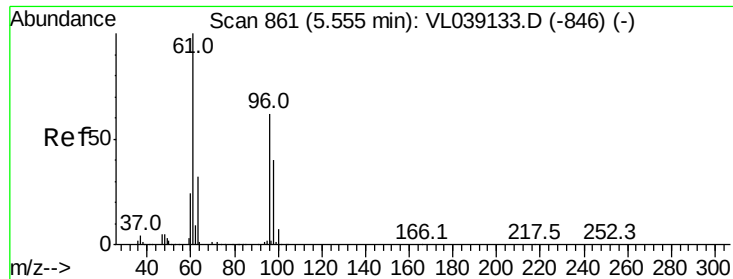
Ion Ratio Lower Upper

84 100

56 257.5 107.7 161.5#

41 232.7 67.7 101.5#





#31

cis-1,2-Dichloroethene

Concen: 0.50 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Jun 2022 13:45 VSTDIC0.5

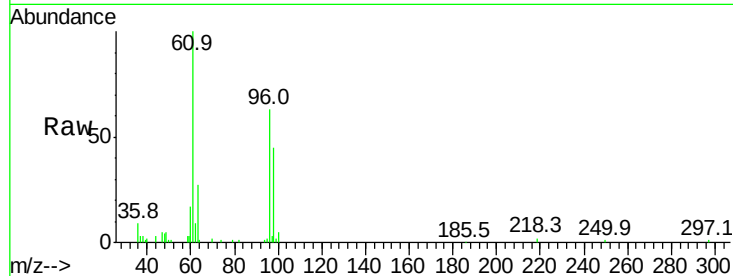
Tgt Ion: 61 Resp: 66662

Ion Ratio Lower Upper

61 100

96 62.7 54.1 81.1

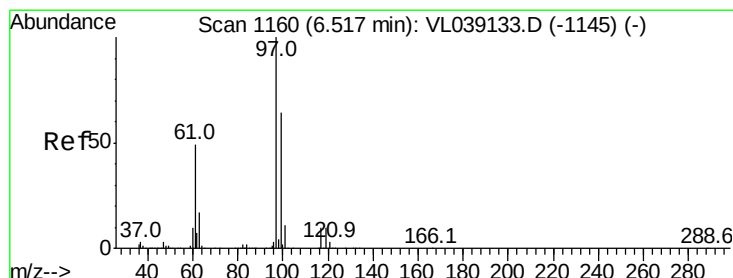
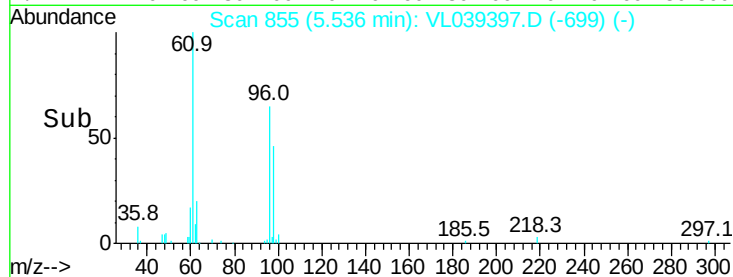
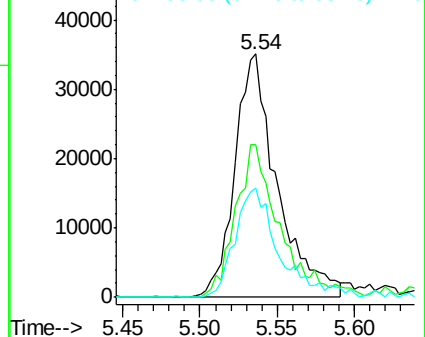
98 44.9 34.6 52.0



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 0.50 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VL039397.D

Acq: 29 Jun 2022 13:45

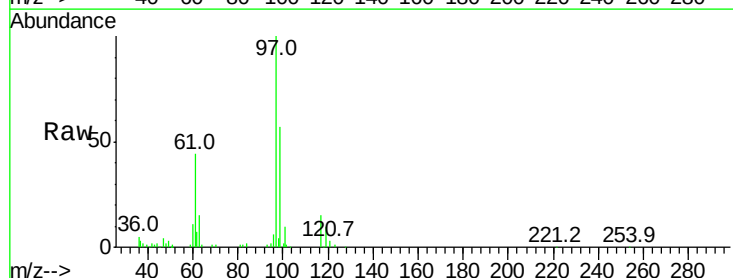
Tgt Ion: 97 Resp: 106613

Ion Ratio Lower Upper

97 100

99 68.6 52.3 78.5

61 55.8 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

