

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037449.D
 Acq On : 13 Aug 2021 15:13
 Operator : SY/AP
 Sample : M2262-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 02:35:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1179045	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3693698	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3178380	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2326806	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	10675	0.059 ppbv	89
3) Chlorodifluoromethane	2.99	51	10739	0.046 ppbv #	89
4) Chloromethane	3.14	50	1113	0.013 ppbv	89
5) Vinyl Chloride	3.26	62	1738	0.019 ppbv #	58
6) Bromomethane	3.47	94	627	0.013 ppbv #	80
7) Chloroethane	3.56	64	1333	0.044 ppbv	89
8) Dichlorotetrafluoroethane	3.19	85	6448	0.032 ppbv #	13
9) Propene	3.02	41	4706	0.061 ppbv #	1
10) Heptane	8.12	43	911	0.005 ppbv #	27
11) Trichlorofluoromethane	3.95	101	3069	0.016 ppbv #	19
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2830	0.021 ppbv #	1
13) Ethanol	3.63	45	476	0.057 ppbv #	31
14) Bromoethene	3.74	108	924	0.015 ppbv #	5
15) Acetone	3.83	43	738	0.006 ppbv #	44
16) 1,3-Butadiene	3.32	39	1729	0.021 ppbv #	11
17) tert-Butyl alcohol	4.34	59	371	0.003 ppbv #	72
18) 1,1-Dichloroethene	4.29	96	1526	0.024 ppbv #	30
19) Isopropyl Alcohol	3.97	45	228	0.003 ppbv #	92
20) Methylene Chloride	4.34	84	2432	0.037 ppbv	92
21) Allyl Chloride	4.42	41	2213	0.023 ppbv #	1
22) trans-1,2-Dichloroethene	4.89	96	696	0.012 ppbv #	70
23) Vinyl Acetate	5.08	43	1847	0.010 ppbv #	90
24) 1,1-Dichloroethane	5.01	63	1845	0.012 ppbv #	89
25) Ethyl Acetate	5.67	43	434	0.001 ppbv #	1
26) Hexane	5.69	57	2991	0.019 ppbv #	1
27) Carbon Disulfide	4.55	76	2070	0.016 ppbv #	64
28) Methyl tert-Butyl Ether	5.05	73	580	0.004 ppbv #	52
29) Chloroform	5.74	83	9045	0.042 ppbv #	45
30) Cyclohexane	7.14	84	1114	0.009 ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	2812	0.021 ppbv #	41
32) 1,1,1-Trichloroethane	6.51	97	1793	0.008 ppbv #	22
34) 2-Butanone	5.25	43	2474	0.016 ppbv #	54
35) Carbon Tetrachloride	7.02	117	2927	0.013 ppbv #	70
36) Benzene	6.89	78	1653	0.005 ppbv #	70
37) 1,2-Dichloroethane	6.30	62	1955	0.012 ppbv #	80
38) Trichloroethene	7.83	130	2530	0.018 ppbv #	46
39) 1,2-Dichloropropane	7.17	63	840471	7.084 ppbv #	28
40) 1,4-Dioxane	7.83	88	81	0.003 ppbv #	100
41) Tetrahydrofuran	6.02	42	144	0.002 ppbv #	34
42) Bromodichloromethane	7.78	83	3945	0.018 ppbv #	39
43) Methyl Methacrylate	8.02	69	1076	0.010 ppbv #	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037449.D
 Acq On : 13 Aug 2021 15:13
 Operator : SY/AP
 Sample : M2262-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 16 02:35:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

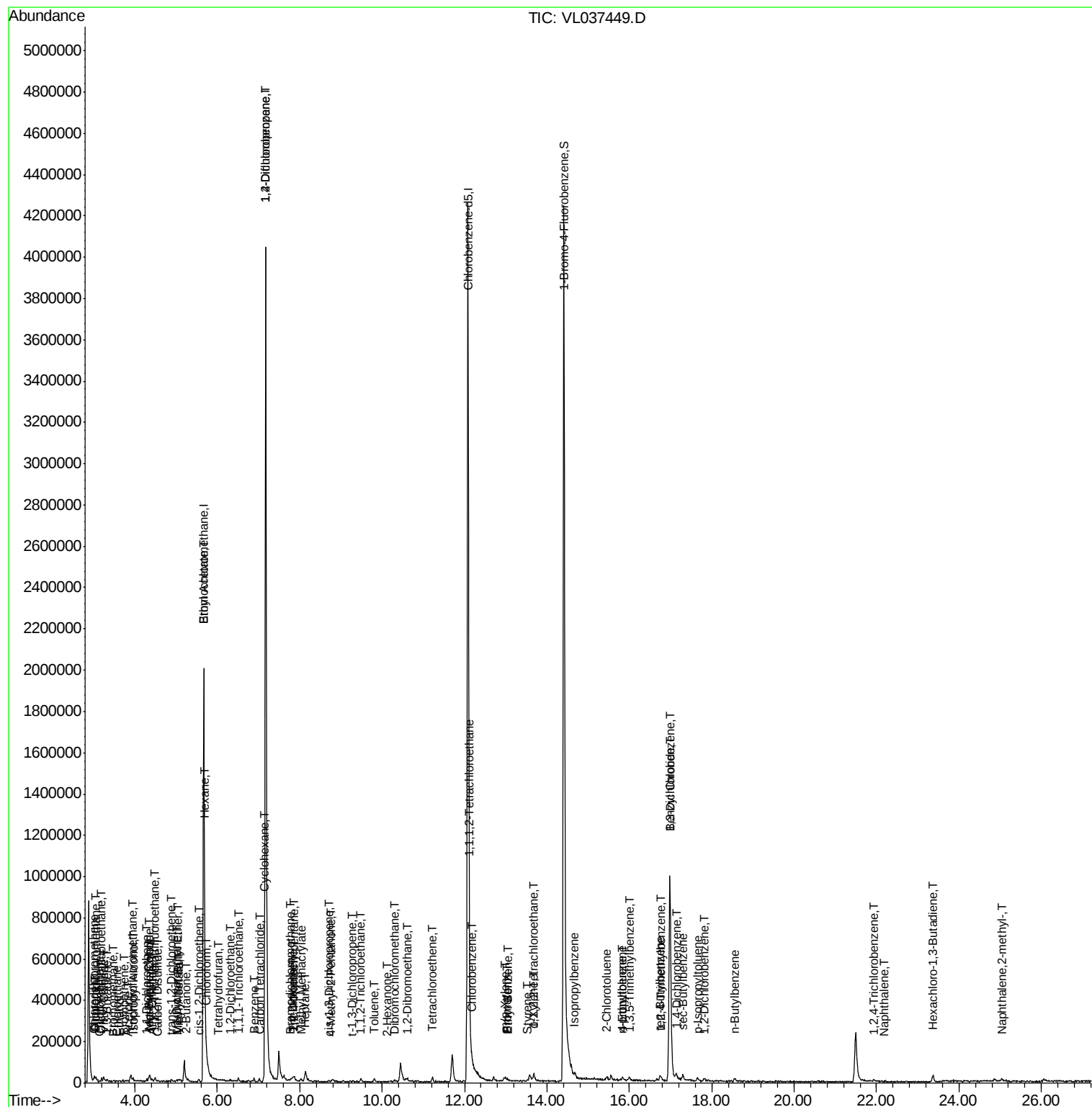
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,2,4-Trimethylpentane	7.86	57	7767	0.015	ppbv	#	1
45) t-1,3-Dichloropropene	9.27	75	559	0.007	ppbv	#	44
46) cis-1,3-Dichloropropene	8.70	75	1524	0.014	ppbv	#	45
47) 1,1,2-Trichloroethane	9.47	97	2090	0.016	ppbv	#	29
48) Dibromochloromethane	10.31	129	3247	0.018	ppbv	#	24
49) Bromoform	13.04	173	683	0.005	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.74	43	107	0.001	ppbv	#	38
51) 2-Hexanone	10.10	43	178	0.002	ppbv	#	1
52) Tetrachloroethene	11.22	164	1357	0.010	ppbv	#	32
53) Toluene	9.80	91	4439	0.012	ppbv	#	1
54) 1,2-Dibromoethane	10.60	107	3254	0.019	ppbv	#	1
56) 1,1,1,2-Tetrachloroethane	12.12	131	2302	0.018	ppbv	#	6
57) Chlorobenzene	12.19	112	425	0.002	ppbv		88
58) Ethyl Benzene	13.06	91	263	0.001	ppbv		98
59) m/p-Xylene	12.99	91	5219	0.014	ppbv	#	16
60) o-Xylene	13.68	91	3027	0.009	ppbv	#	29
61) Styrene	13.53	104	832	0.005	ppbv	#	1
62) Isopropylbenzene	14.67	105	5962	0.012	ppbv	#	48
63) 1,1,2,2-Tetrachloroethane	13.67	83	4063	0.015	ppbv	#	1
64) n-propylbenzene	15.81	120	146	0.001	ppbv		91
65) tert-Butylbenzene	16.73	119	4051	0.009	ppbv	#	1
66) Benzyl Chloride	16.99	91	118	0.006	ppbv	#	1
67) sec-Butylbenzene	17.28	105	2189	0.004	ppbv	#	58
69) p-Isopropyltoluene	17.65	119	2761	0.005	ppbv	#	48
70) n-Butylbenzene	18.54	91	2974	0.006	ppbv	#	1
71) 2-Chlorotoluene	15.46	91	2165	0.006	ppbv	#	1
72) 4-Ethyltoluene	15.83	105	2814	0.007	ppbv	#	36
73) 1,3,5-Trimethylbenzene	16.00	105	2822	0.007	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.76	105	2135	0.005	ppbv	#	50
75) 1,3-Dichlorobenzene	16.99	146	2715	0.011	ppbv	#	1
76) 1,4-Dichlorobenzene	17.14	146	2438	0.010	ppbv	#	1
77) 1,2-Dichlorobenzene	17.81	146	1293	0.006	ppbv	#	23
78) Hexachloro-1,3-Butadiene	23.36	225	2134	0.011	ppbv	#	1
79) Naphthalene	22.18	128	283	0.001	ppbv	#	69
80) Naphthalene, 2-methyl-	25.05	142	180	0.004	ppbv	#	28
81) 1,2,4-Trichlorobenzene	21.92	180	217	0.001	ppbv	#	11

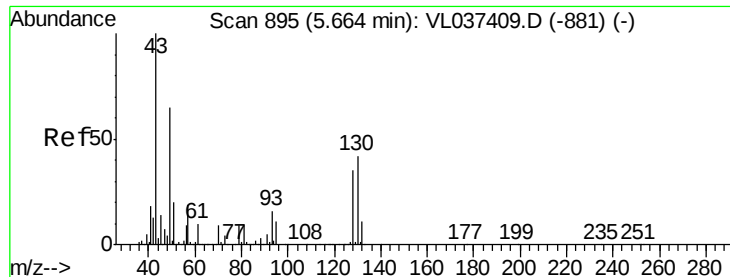
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081321\
Data File : VL037449.D
Acq On : 13 Aug 2021 15:13
Operator : SY/AP
Sample : M2262-14 0.03 LOQ
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampled :

Quant Time: Aug 16 02:35:35 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

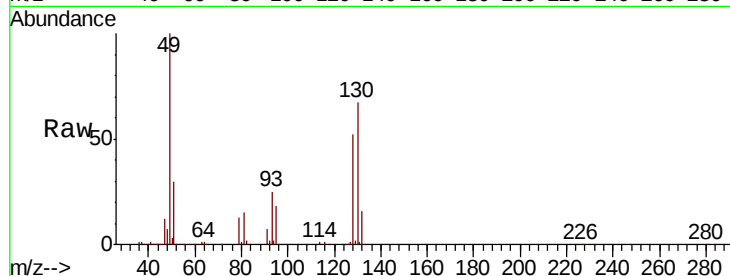
Tot Ion: 49 Resp: 1179045

Ion Ratio Lower Upper

49 100

128 58.1 27.9 83.6

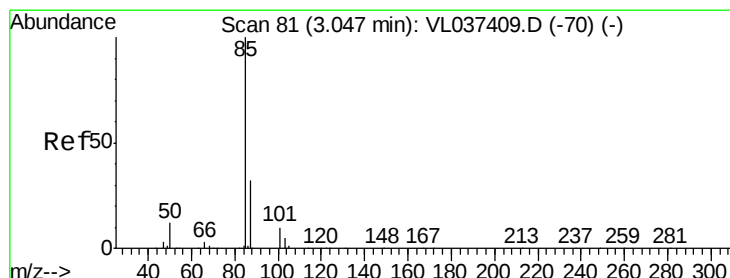
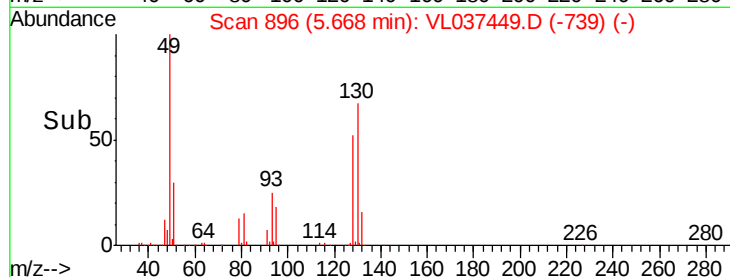
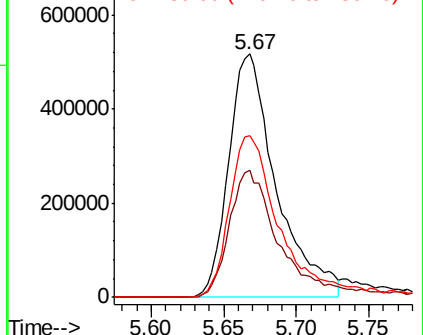
130 72.7 34.6 103.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.059 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037449.D

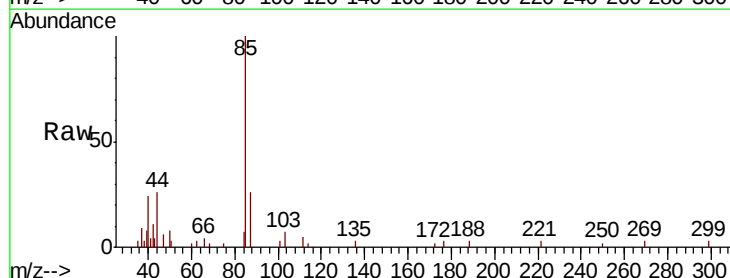
Acq: 13 Aug 2021 15:13

Tgt Ion: 85 Resp: 10675

Ion Ratio Lower Upper

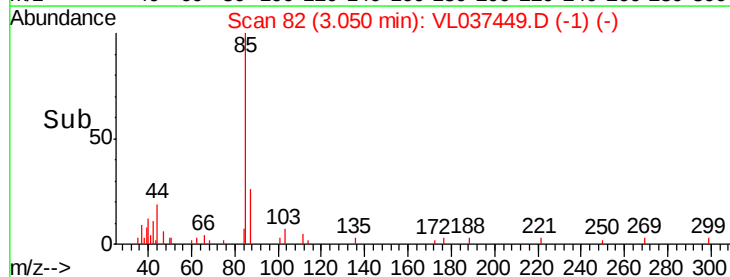
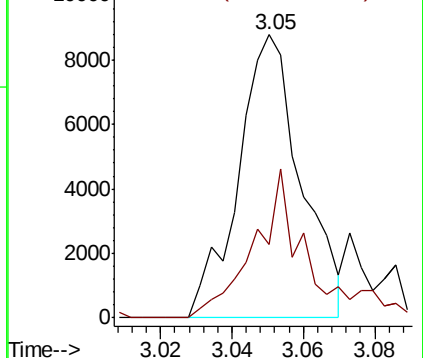
85 100

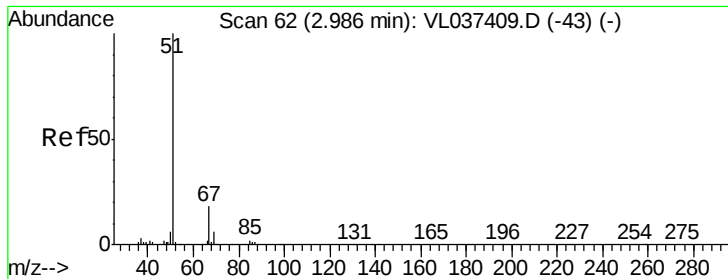
87 25.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.046 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

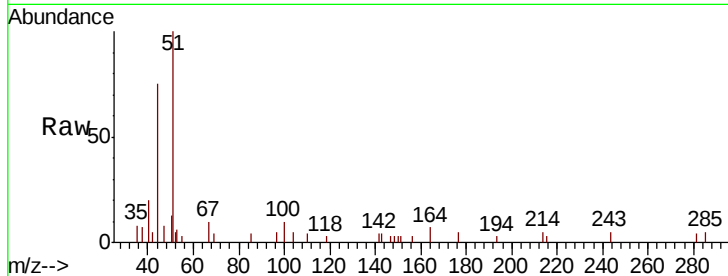
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 10739

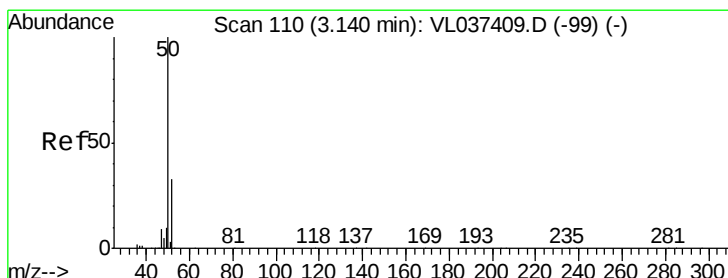
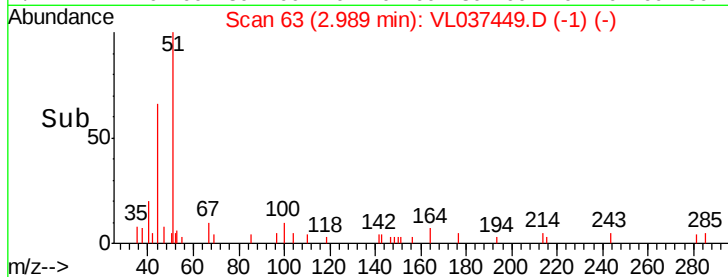
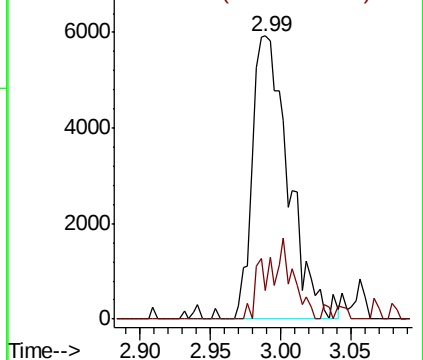
Ion Ratio Lower Upper

51 100

67 23.3 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.013 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037449.D

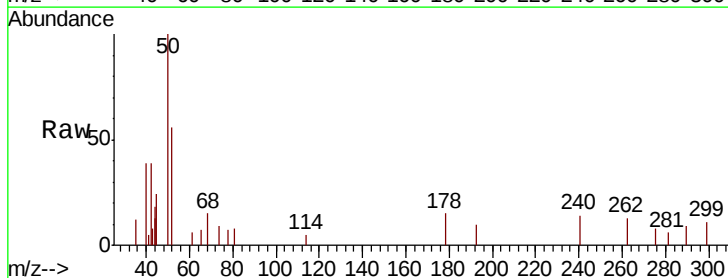
Acq: 13 Aug 2021 15:13

Tgt Ion: 50 Resp: 1113

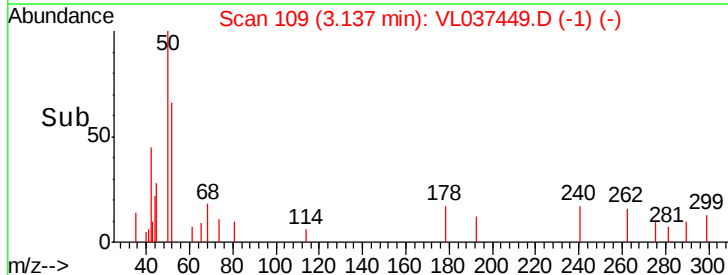
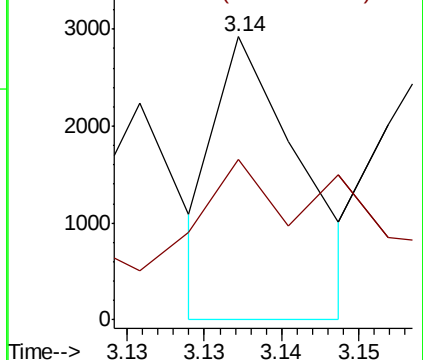
Ion Ratio Lower Upper

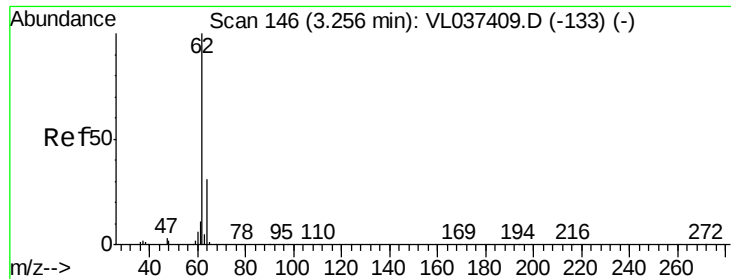
50 100

52 38.9 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.019 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

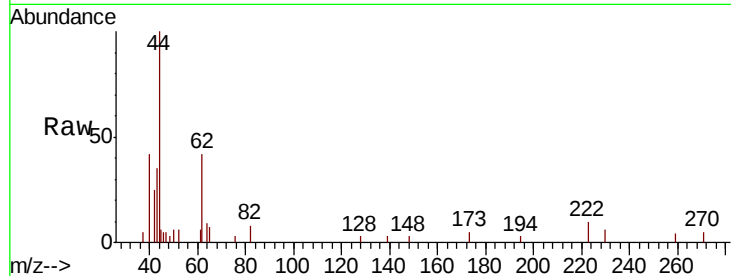
ClientSampled :

Tot Ion: 62 Resp: 1738

Ion Ratio Lower Upper

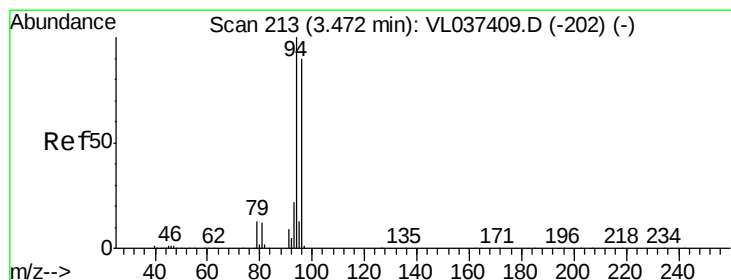
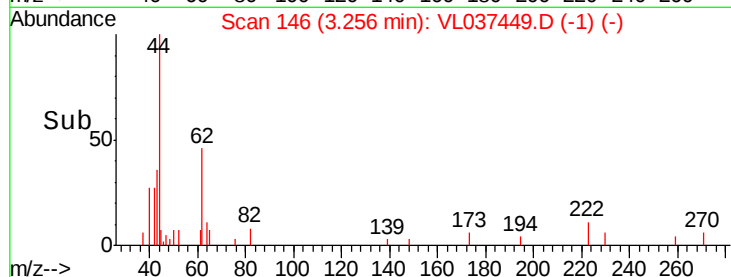
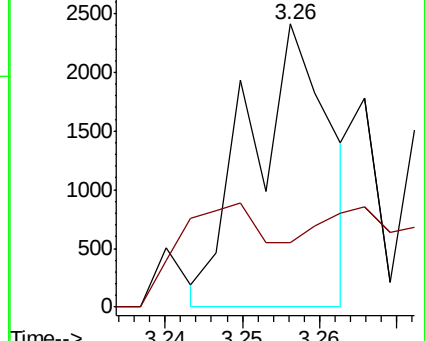
62 100

64 8.2 25.0 37.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.013 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037449.D

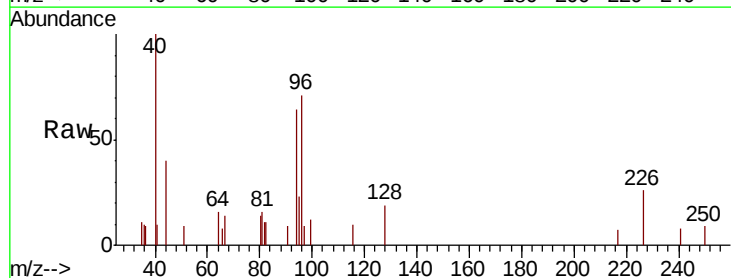
Acq: 13 Aug 2021 15:13

Tgt Ion: 94 Resp: 627

Ion Ratio Lower Upper

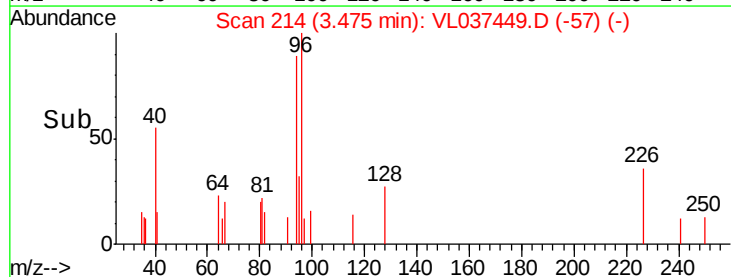
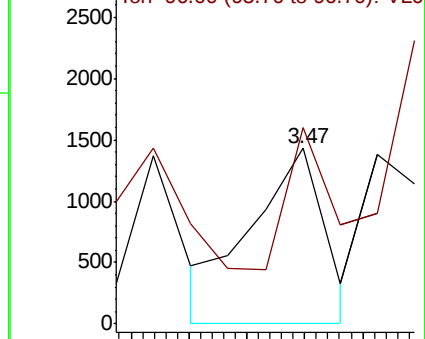
94 100

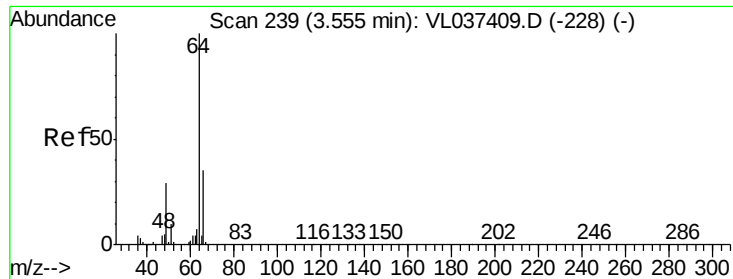
96 71.6 72.2 108.4#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.044 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

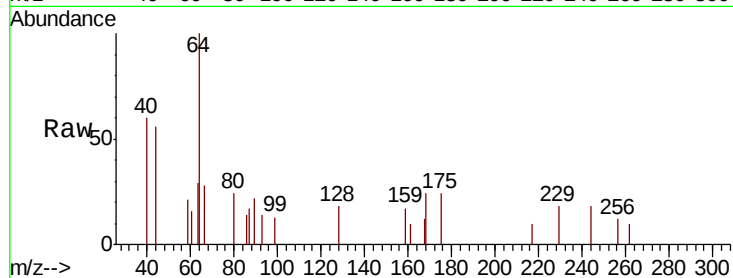
ClientSampleId :

Tot Ion: 64 Resp: 1333

Ion Ratio Lower Upper

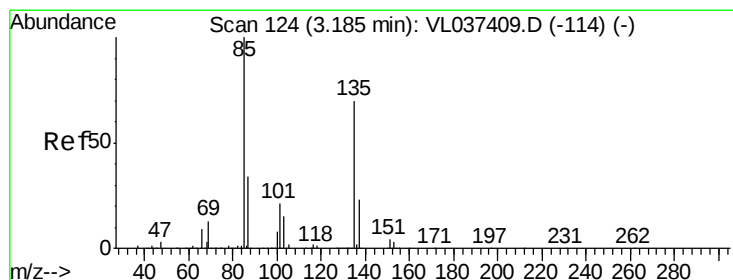
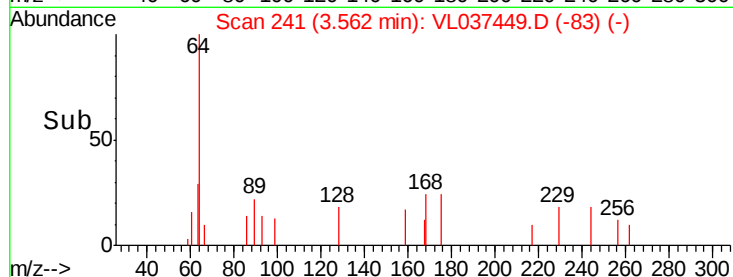
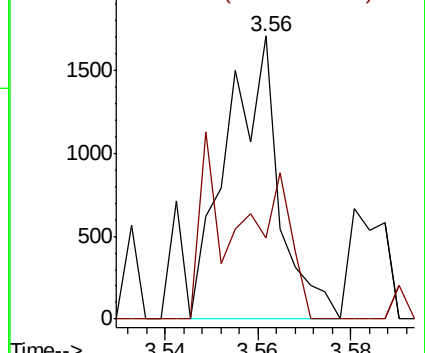
64 100

66 28.5 27.8 41.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.032 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037449.D

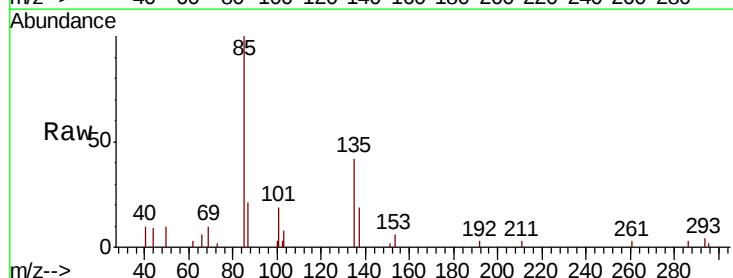
Acq: 13 Aug 2021 15:13

Tgt Ion: 85 Resp: 6448

Ion Ratio Lower Upper

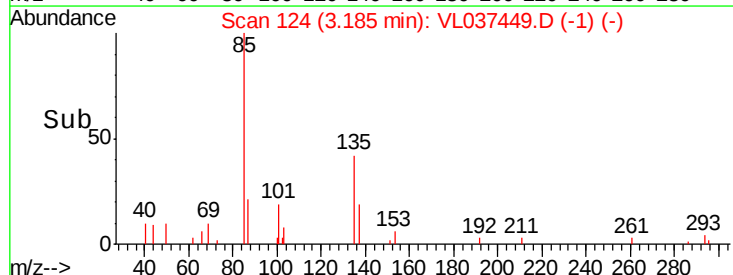
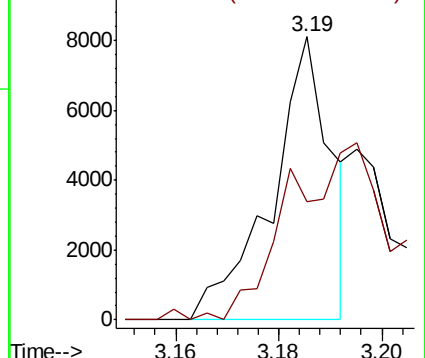
85 100

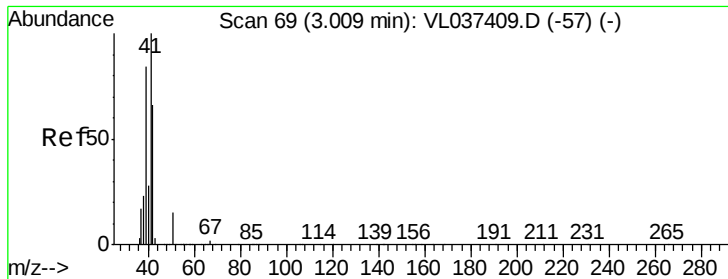
135 0.0 58.6 88.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

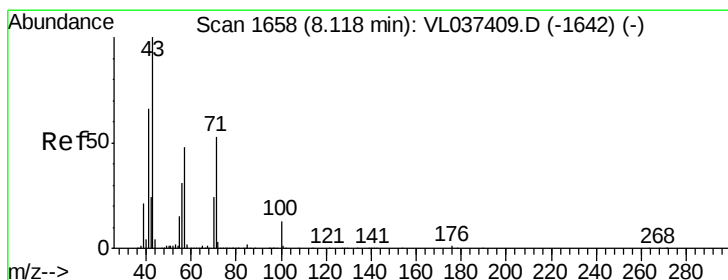
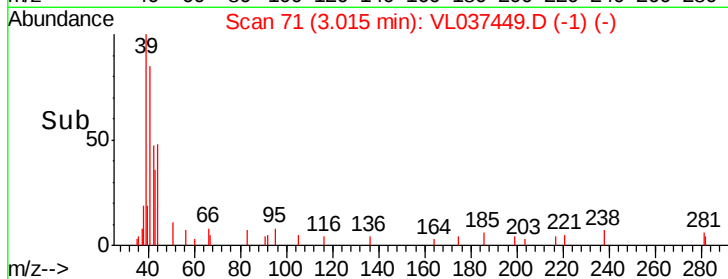
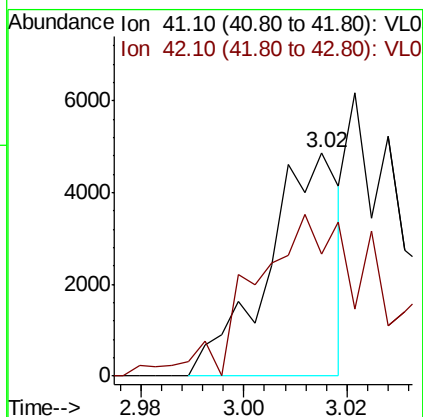
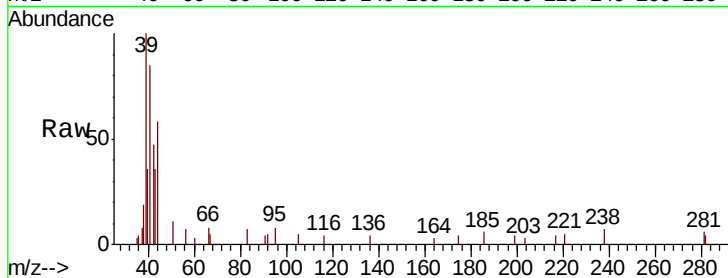




#9
 Propene
 Concen: 0.061 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.01 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

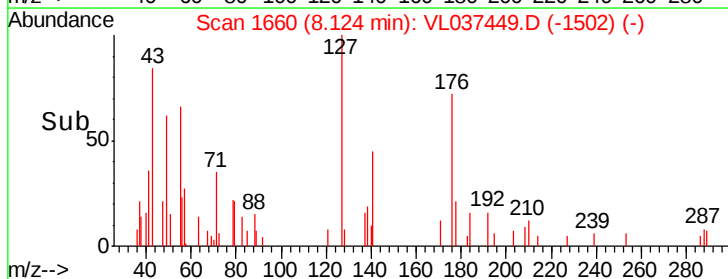
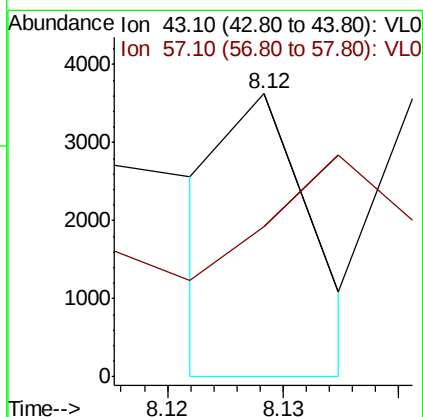
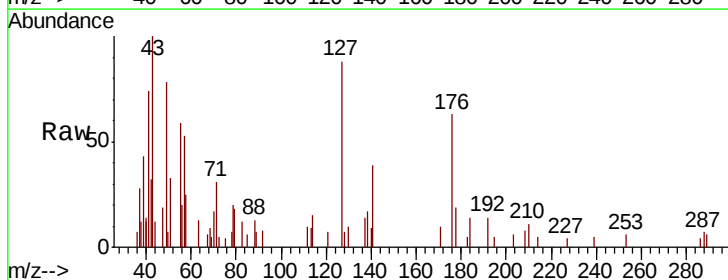
Instrument :
 MSVOA_L
 ClientSampleId :

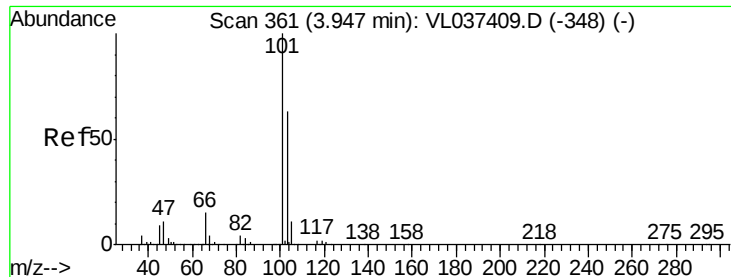
Tot Ion: 41 Resp: 4706
 Ion Ratio Lower Upper
 41 100
 42 153.5 53.8 80.8#



#10
 Heptane
 Concen: 0.005 ppbv
 RT: 8.12 min Scan# 1660
 Delta R.T. 0.01 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Tgt Ion: 43 Resp: 911
 Ion Ratio Lower Upper
 43 100
 57 0.0 40.3 60.5#

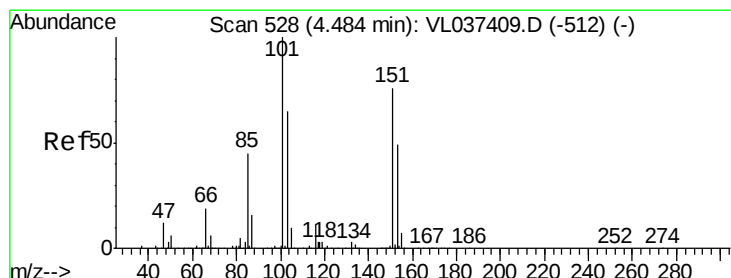
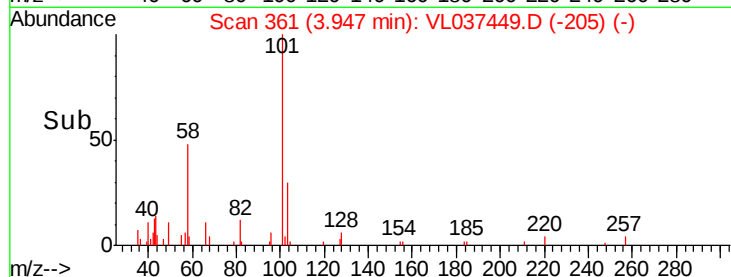
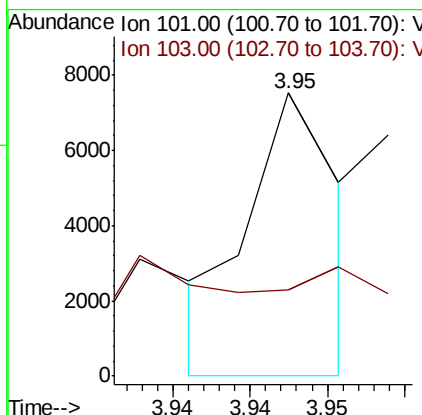
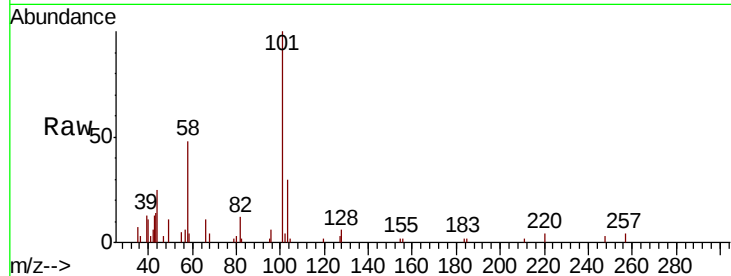




#11
 Trichlorofluoromethane
 Concen: 0.016 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

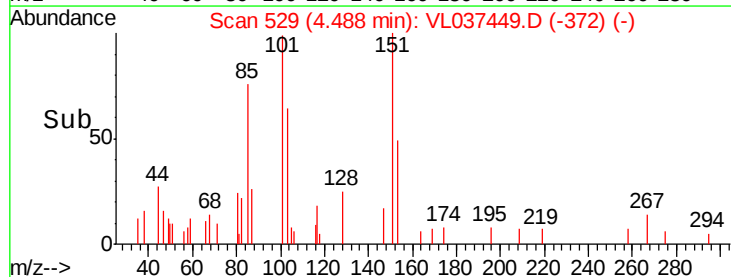
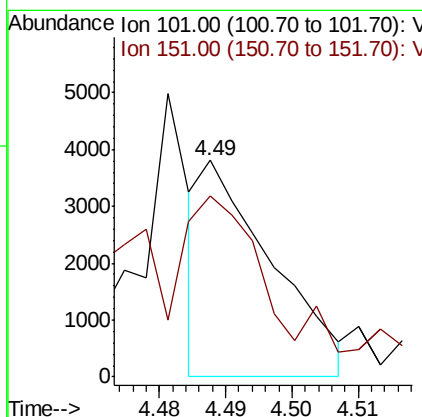
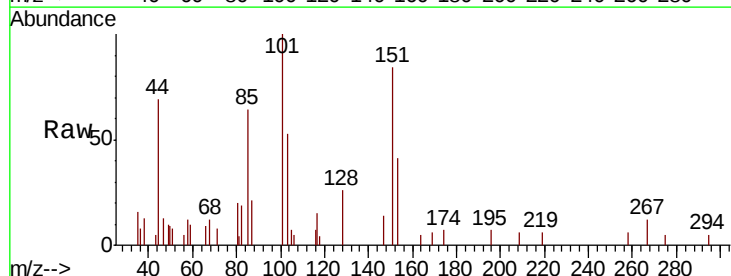
Instrument :
 MSVOA_L
 ClientSampleId :

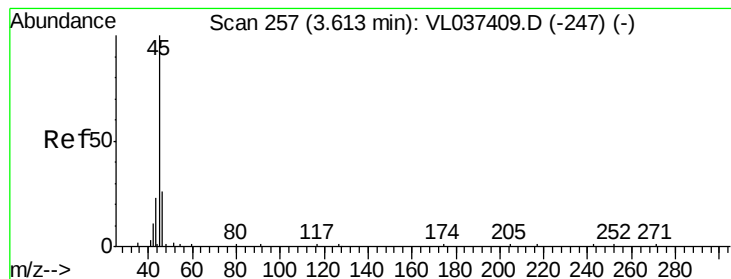
Tot Ion:101 Resp: 3069
 Ion Ratio Lower Upper
 101 100
 103 0.0 50.2 75.4#



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.021 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Tgt Ion:101 Resp: 2830
 Ion Ratio Lower Upper
 101 100
 151 185.7 61.2 91.8#





#13

Ethanol

Concen: 0.057 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

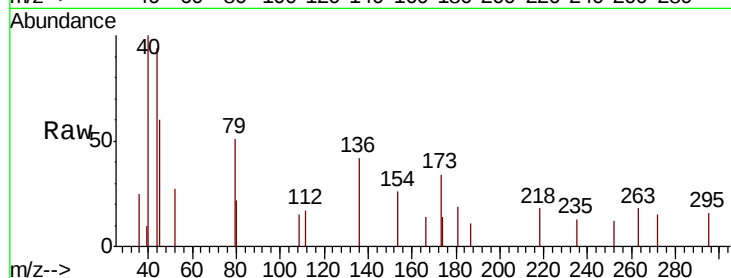
ClientSampleId :

Tot Ion: 45 Resp: 476

Ion Ratio Lower Upper

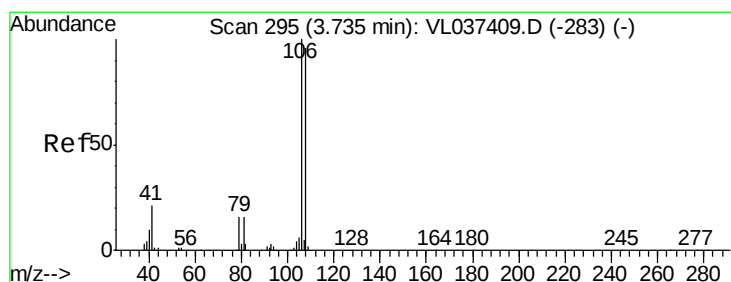
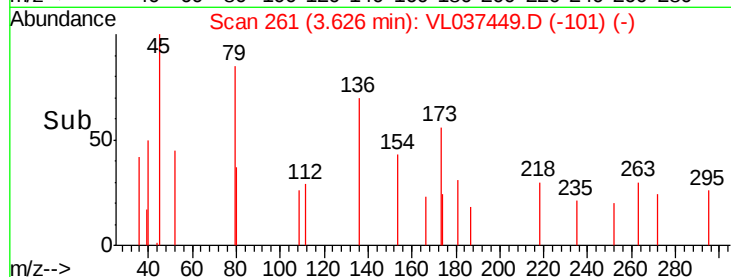
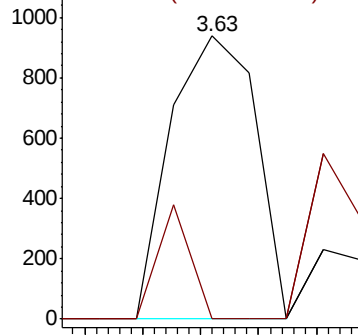
45 100

46 0.0 18.0 72.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 0.015 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

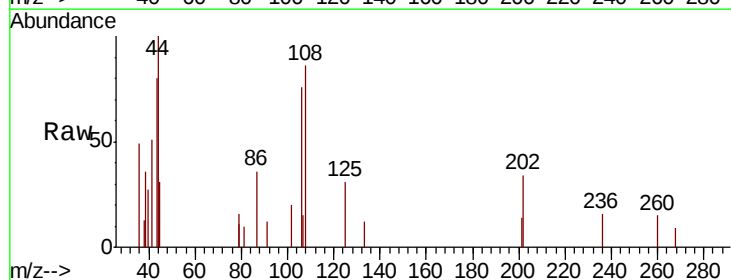
Tgt Ion: 108 Resp: 924

Ion Ratio Lower Upper

108 100

106 0.0 87.5 131.3#

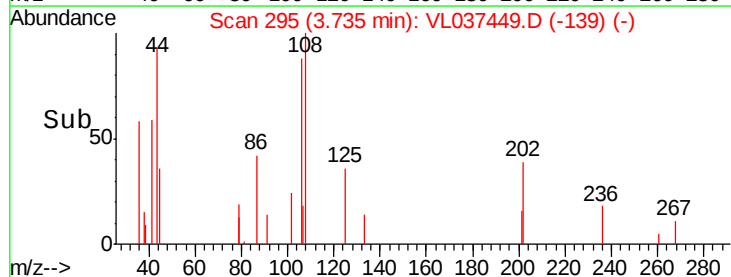
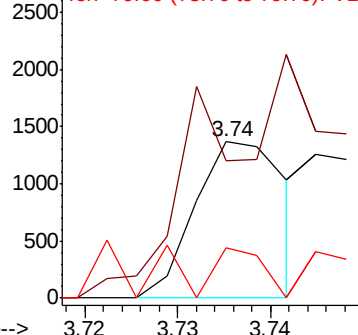
79 0.0 13.5 20.3#

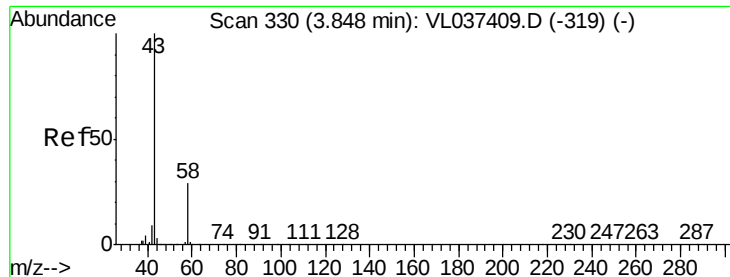


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 0.006 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

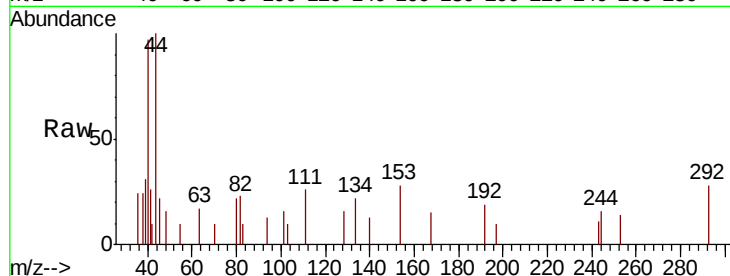
ClientSampleId :

Tot Ion: 43 Resp: 738

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

1500

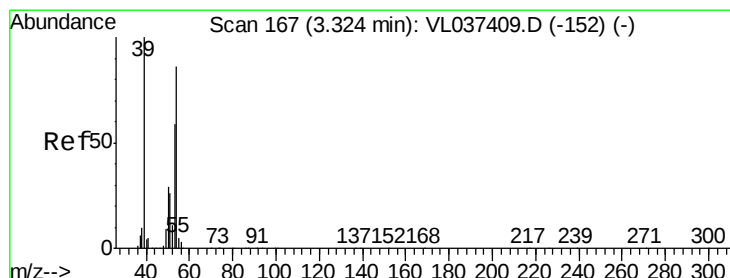
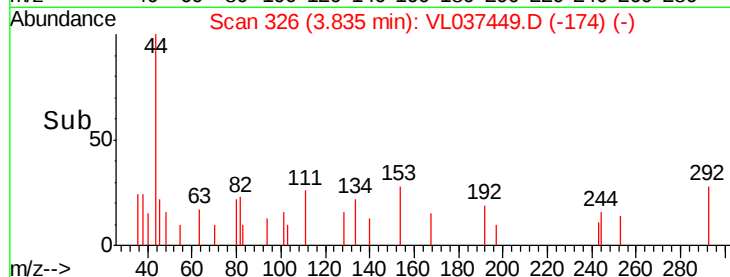
1000

500

0

Time-->

3.83 3.83 3.84 3.84 3.85



#16

1,3-Butadiene

Concen: 0.021 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL037449.D

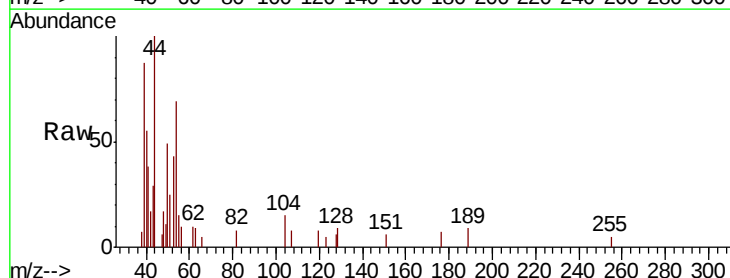
Acq: 13 Aug 2021 15:13

Tgt Ion: 39 Resp: 1729

Ion Ratio Lower Upper

39 100

54 0.0 61.4 92.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.32

2500

2000

1500

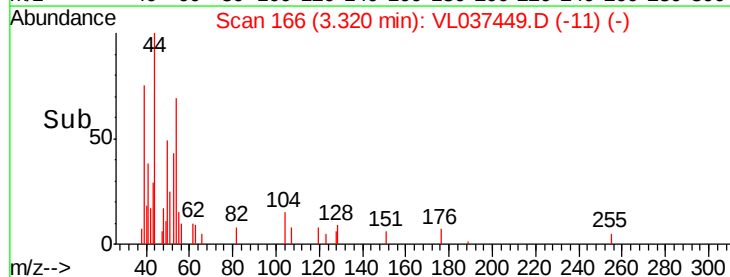
1000

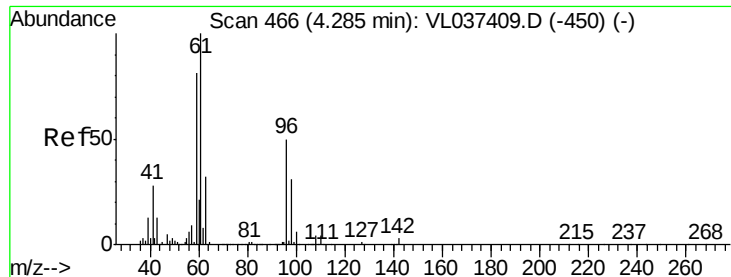
500

0

Time-->

3.30 3.31 3.32 3.33



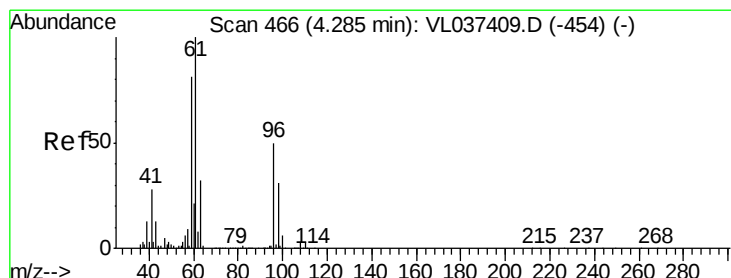
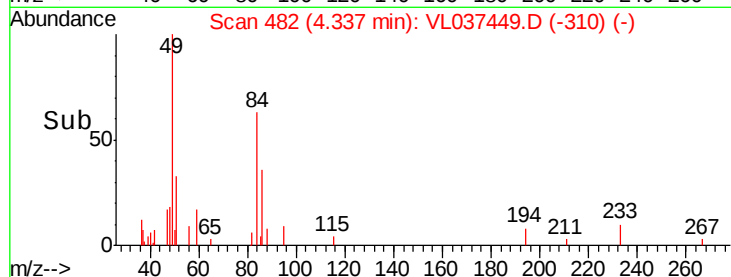
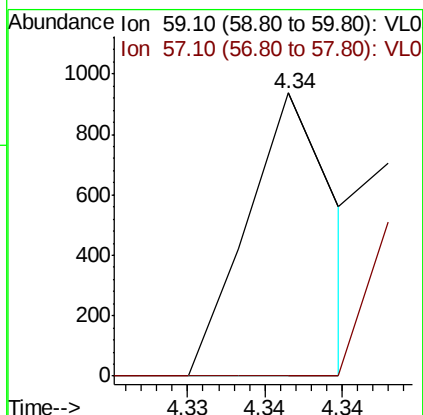
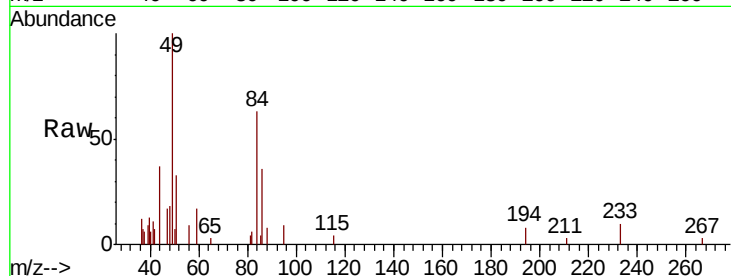


#17

tert-Butyl alcohol
 Concen: 0.003 ppbv
 RT: 4.34 min Scan# 482
 Delta R.T. 0.05 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Instrument :
 MSVOA_L
 ClientSampled :

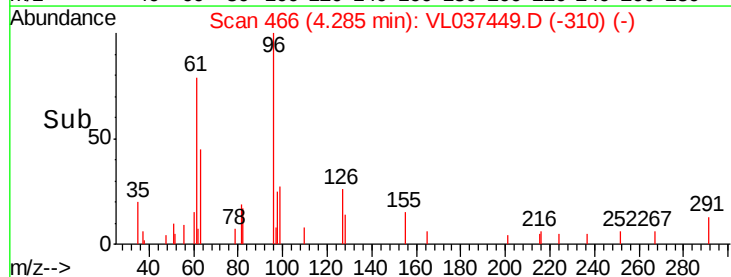
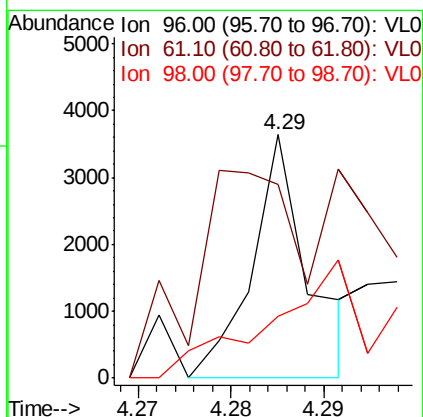
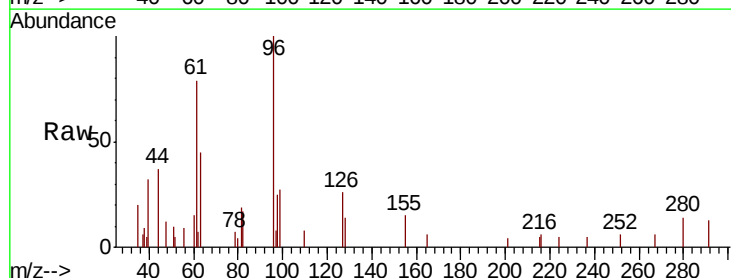
Tot Ion: 59 Resp: 371
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

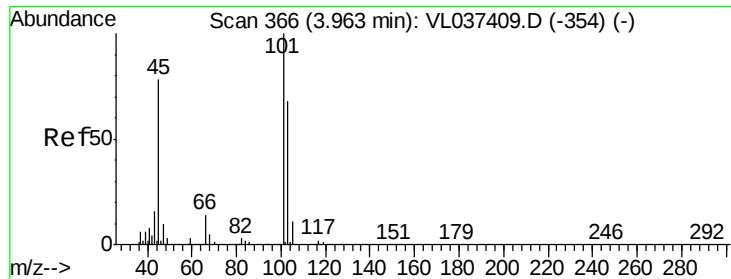


#18

1,1-Dichloroethene
 Concen: 0.024 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. 0.00 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Tgt Ion: 96 Resp: 1526
 Ion Ratio Lower Upper
 96 100
 61 73.6 159.0 238.4#
 98 41.2 49.4 74.2#





#19

Isopropyl Alcohol

Concen: 0.003 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

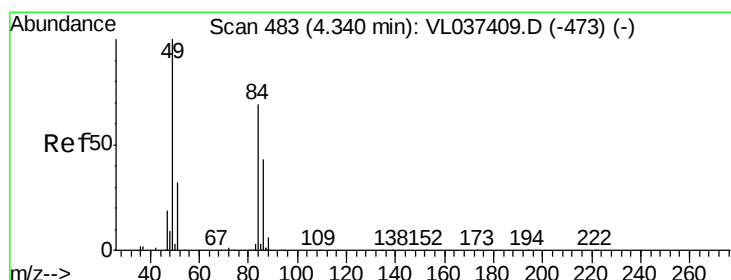
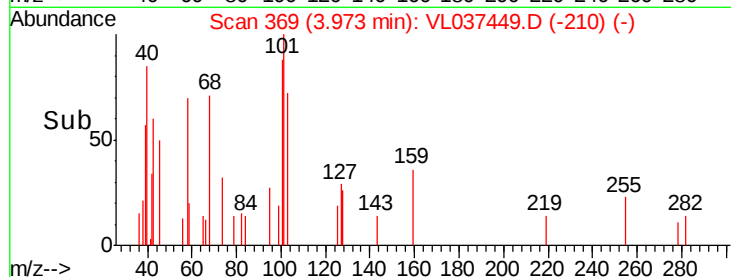
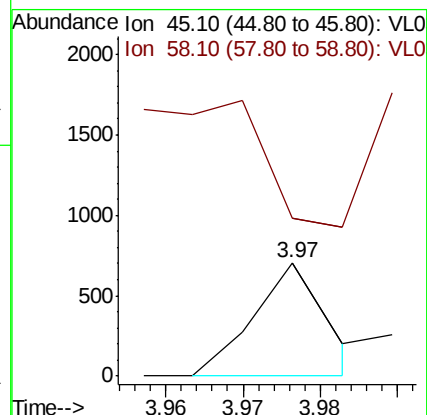
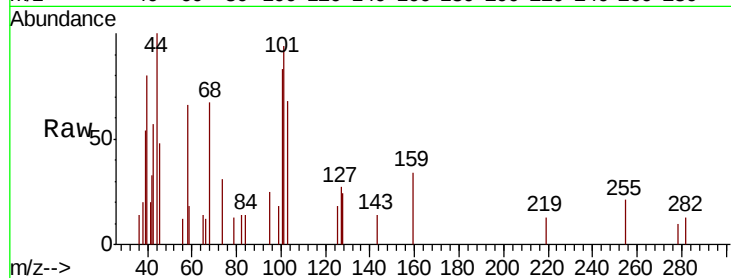
ClientSampleId :

Tot Ion: 45 Resp: 228

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.4#



#20

Methylene Chloride

Concen: 0.037 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Tgt Ion: 84 Resp: 2432

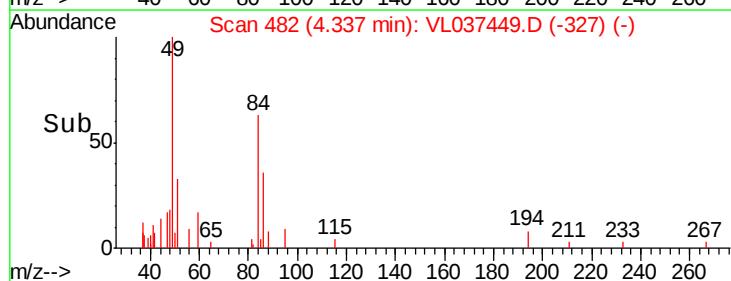
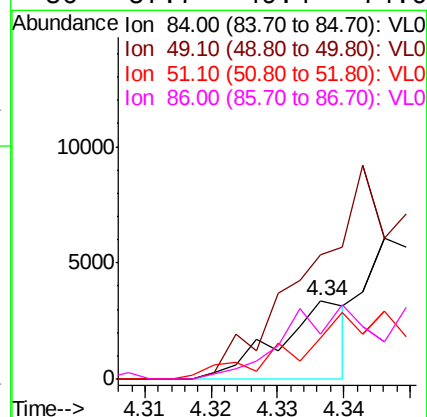
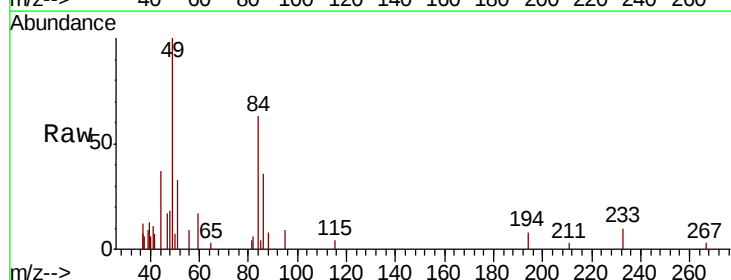
Ion Ratio Lower Upper

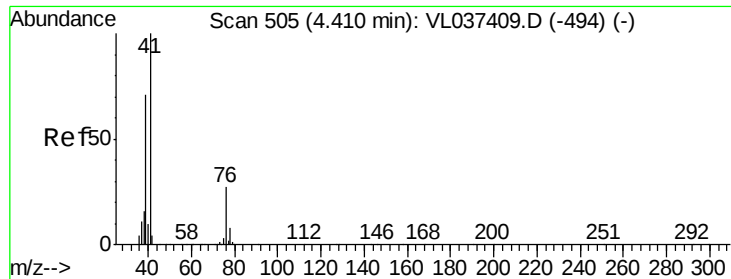
84 100

49 159.2 116.0 174.0

51 47.9 37.1 55.7

86 57.7 49.4 74.0

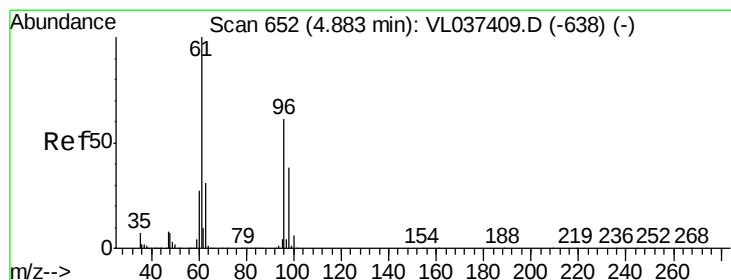
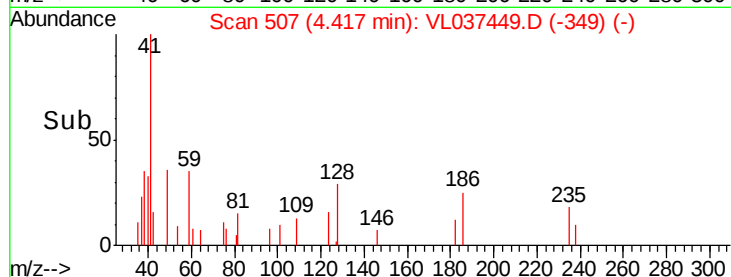
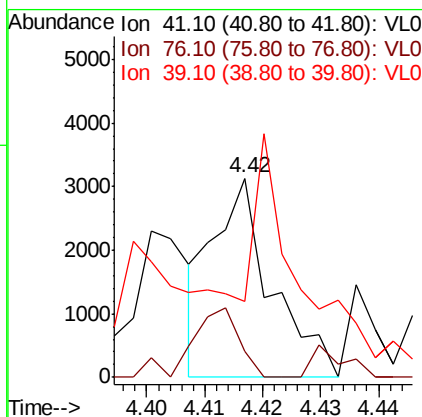
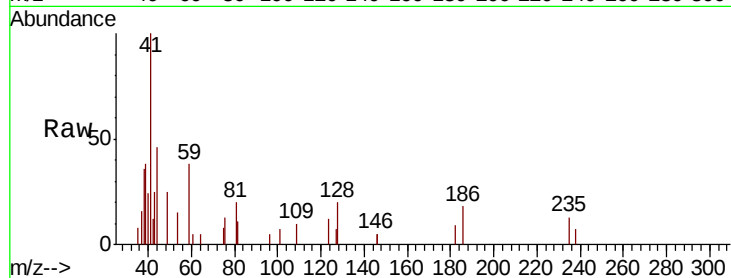




#21
Allvl Chloride
Concen: 0.023 ppbv
RT: 4.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

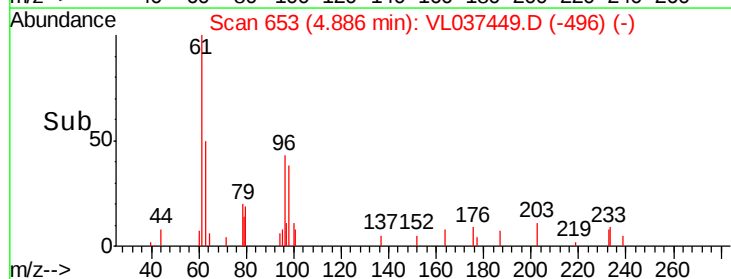
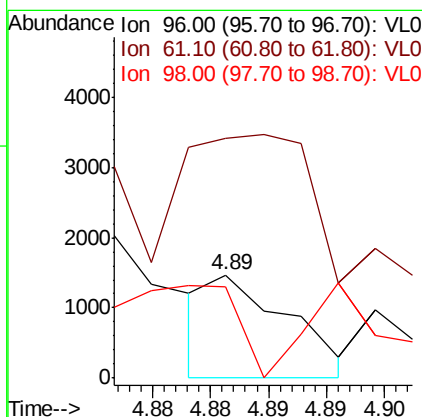
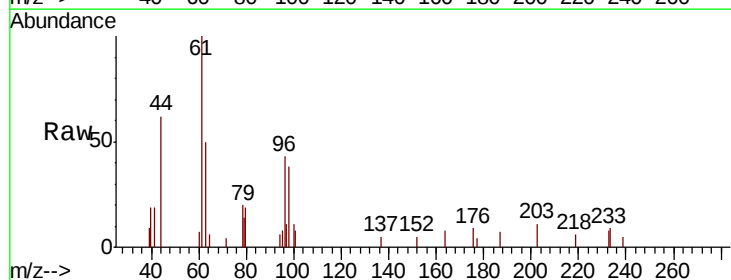
Instrument :
MSVOA_L
ClientSampled :

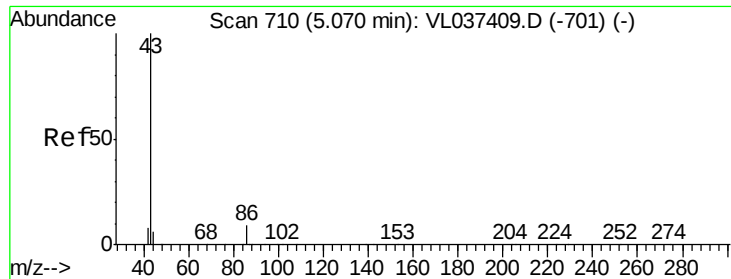
Tot Ion: 41 Resp: 2213
Ion Ratio Lower Upper
41 100
76 37.1 23.7 35.5#
39 259.4 62.3 93.5#



#22
trans-1,2-Dichloroethene
Concen: 0.012 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

Tgt Ion: 96 Resp: 696
Ion Ratio Lower Upper
96 100
61 177.0 131.0 196.4
98 0.0 50.2 75.4#





#23

Vinyl Acetate

Concen: 0.010 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1847

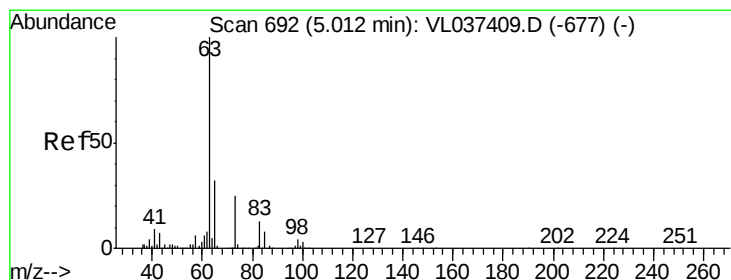
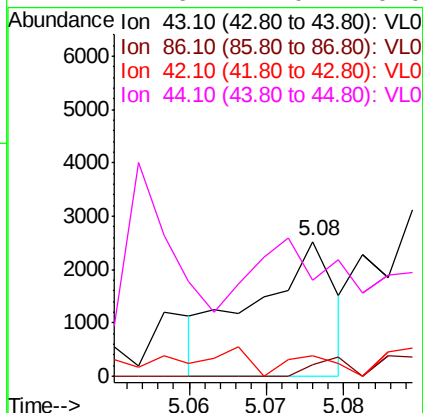
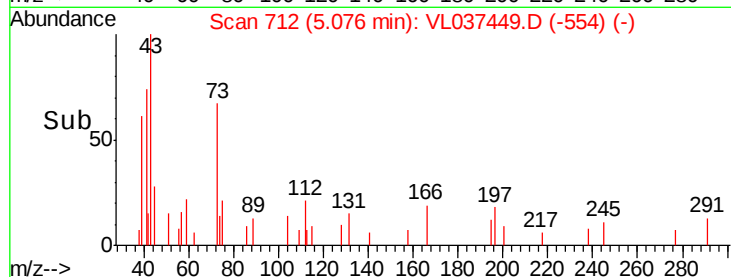
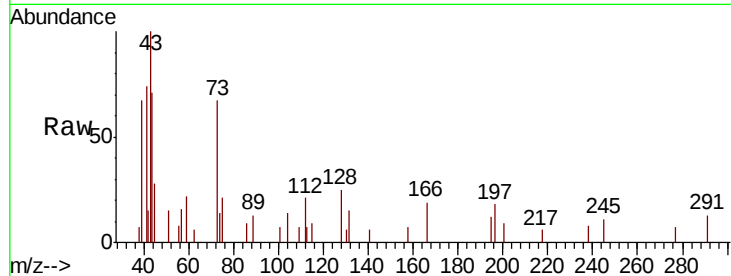
Ion Ratio Lower Upper

43 100

86 15.4 5.8 8.8#

42 9.8 7.7 11.5

44 1.6 4.0 6.0#



#24

1,1-Dichloroethane

Concen: 0.012 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

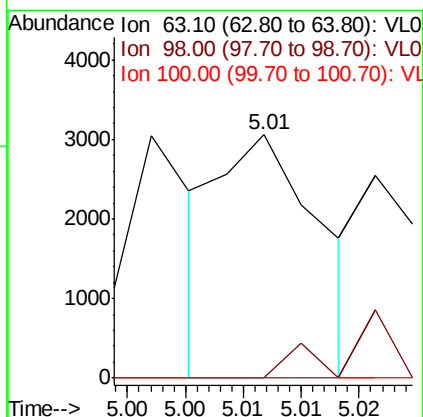
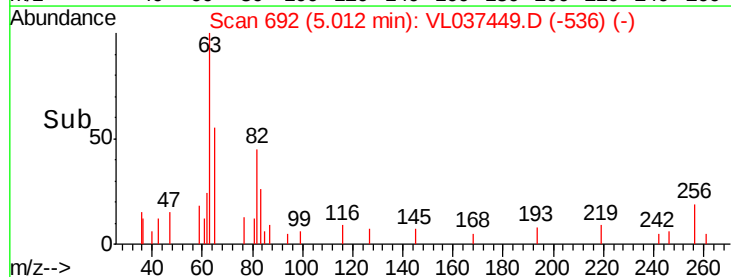
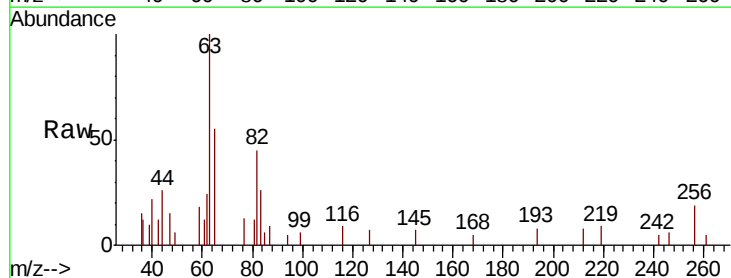
Tgt Ion: 63 Resp: 1845

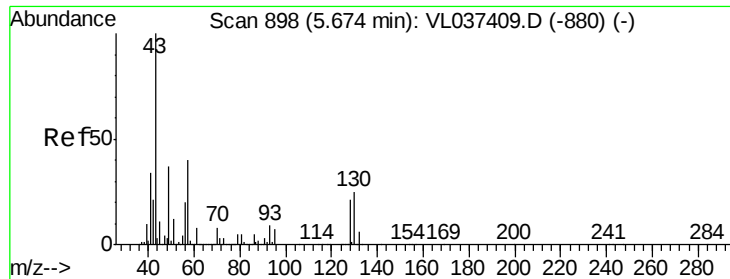
Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.3#

100 0.0 1.6 4.7#

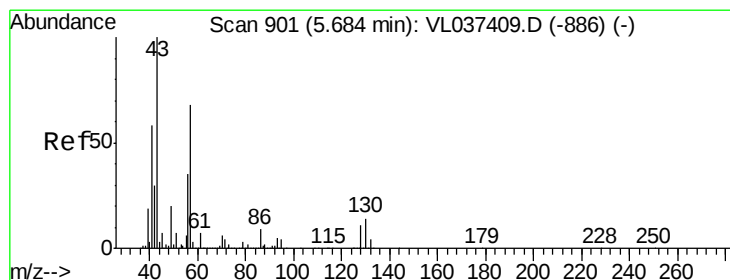
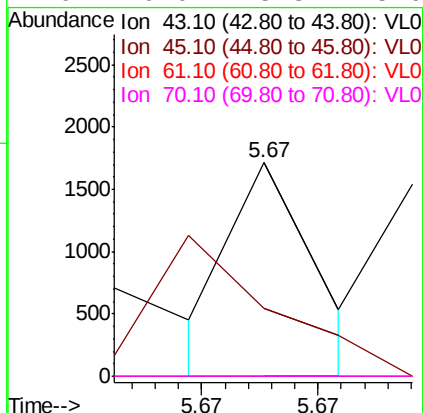
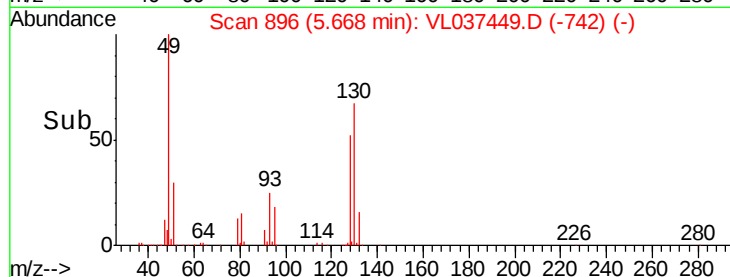
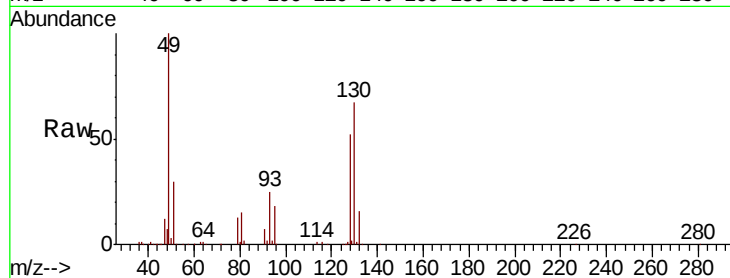




#25
Ethyl Acetate
Concen: 0.001 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

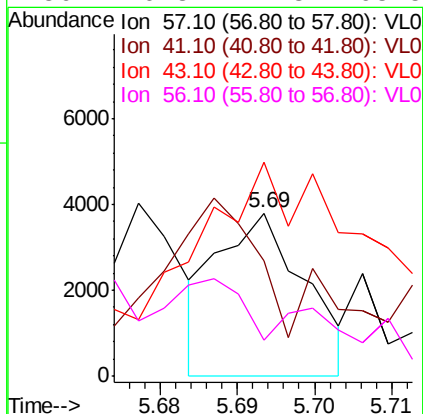
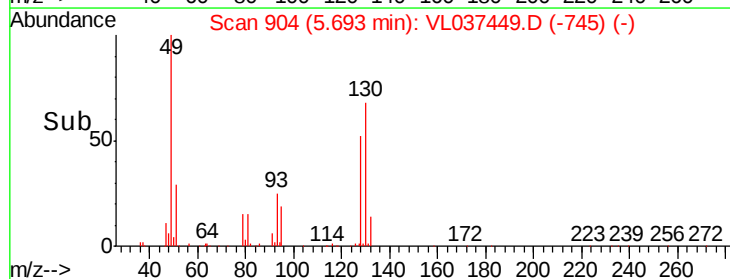
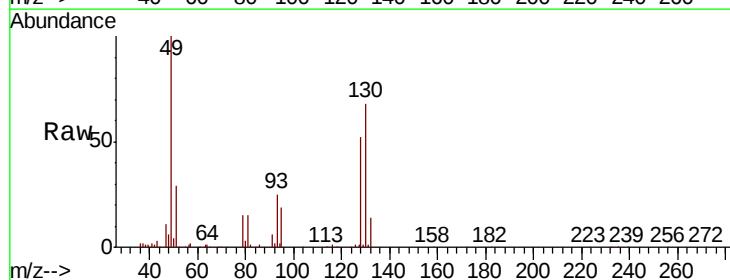
Instrument :
MSVOA_L
ClientSampleId :

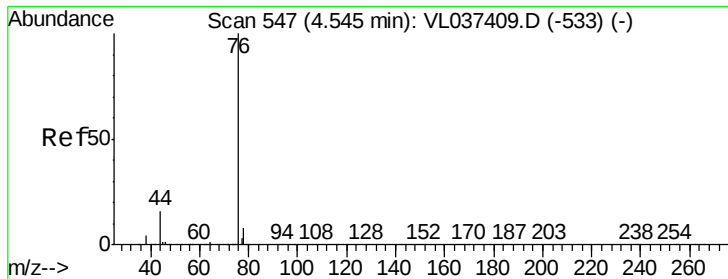
Tot Ion:	43	Resp:	434
Ion	Ratio	Lower	Upper
43	100		
45	138.9	7.9	11.9#
61	0.0	7.7	11.5#
70	0.0	5.8	8.6#



#26
Hexane
Concen: 0.019 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

Tgt Ion:	57	Resp:	2991
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.5	108.7#
43	0.0	169.3	253.9#
56	146.3	42.3	63.5#





#27

Carbon Disulfide

Concen: 0.016 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

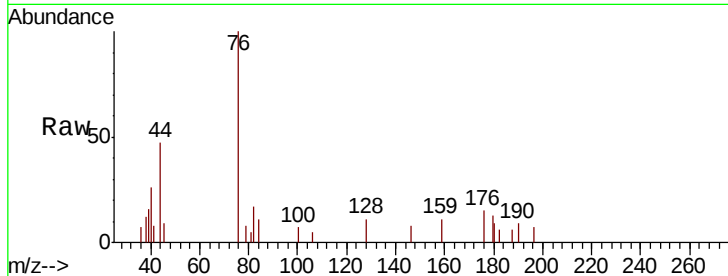
Tot Ion: 76 Resp: 2070

Ion Ratio Lower Upper

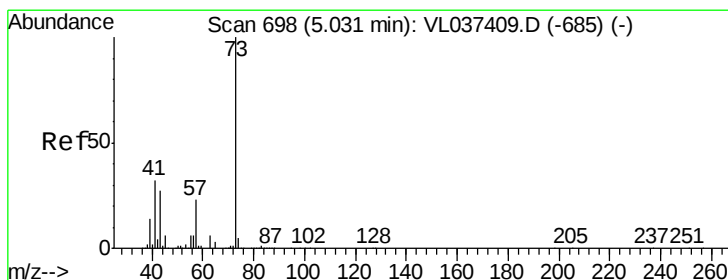
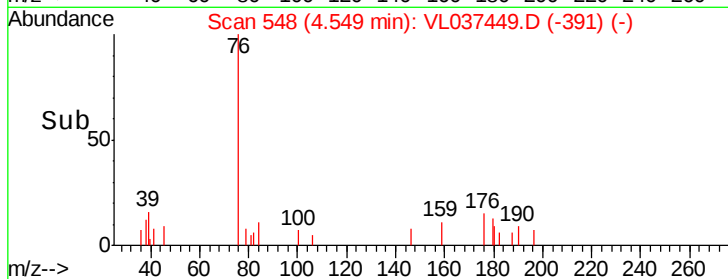
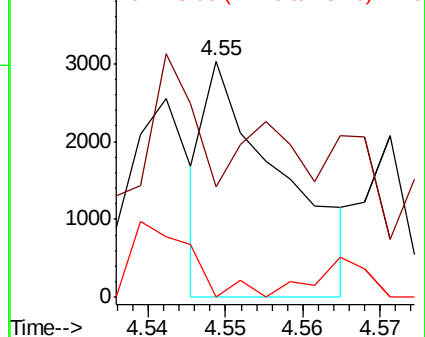
76 100

44 0.0 14.4 21.6#

78 0.0 8.0 12.0#



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: 0.004 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.02 min

Lab File: VL037449.D

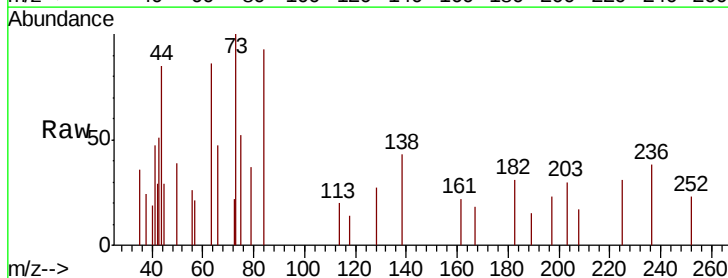
Acq: 13 Aug 2021 15:13

Tgt Ion: 73 Resp: 580

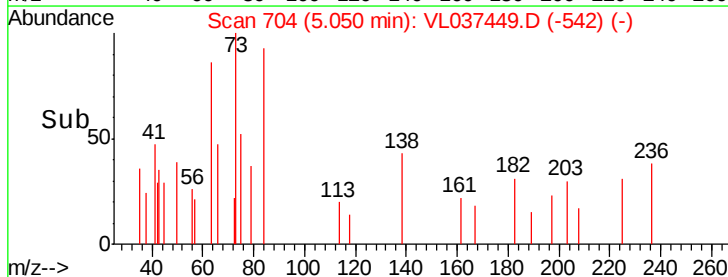
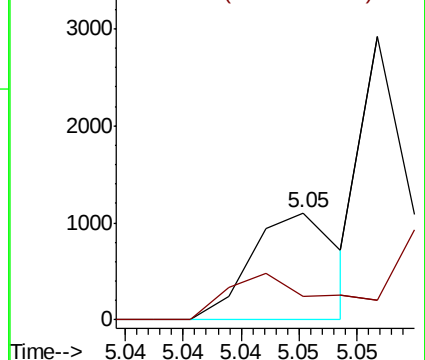
Ion Ratio Lower Upper

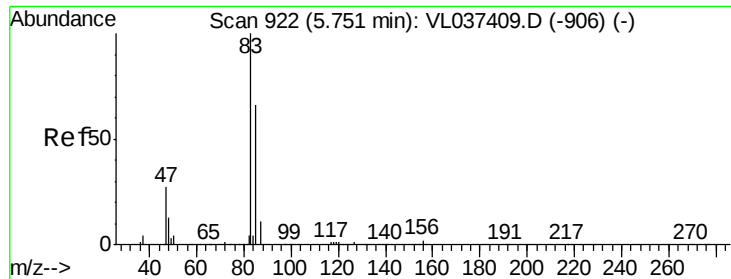
73 100

57 0.0 19.0 28.4#



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





#29

Chloroform

Concen: 0.042 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

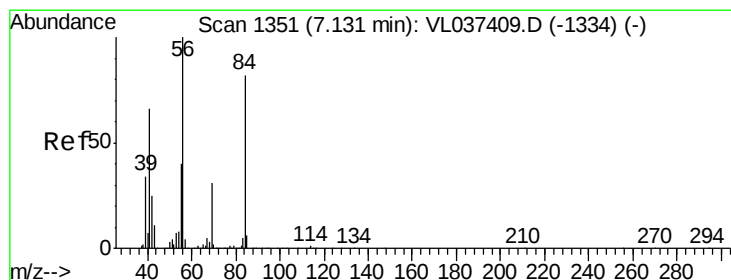
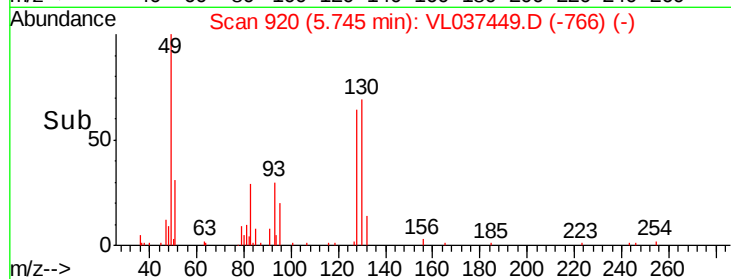
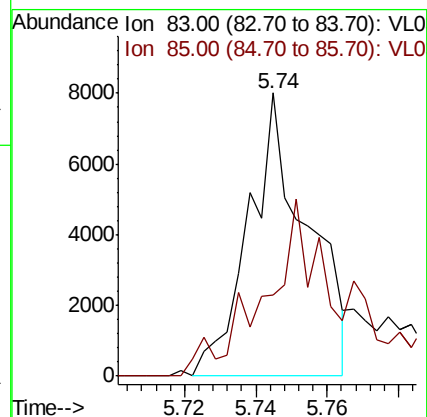
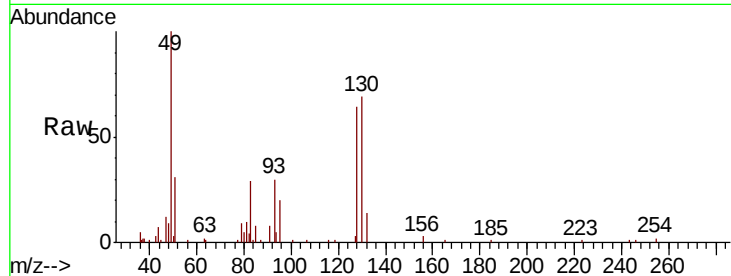
ClientSampled :

Tot Ion: 83 Resp: 9045

Ion Ratio Lower Upper

83 100

85 22.2 52.4 78.6#



#30

Cyclohexane

Concen: 0.009 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

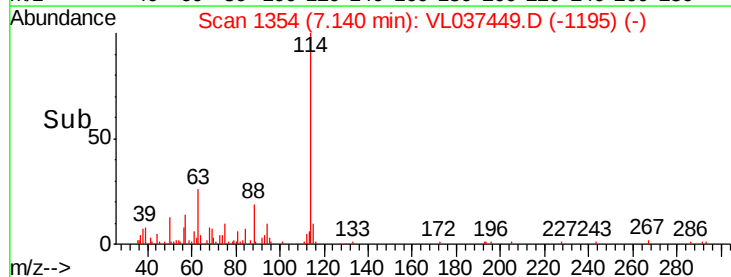
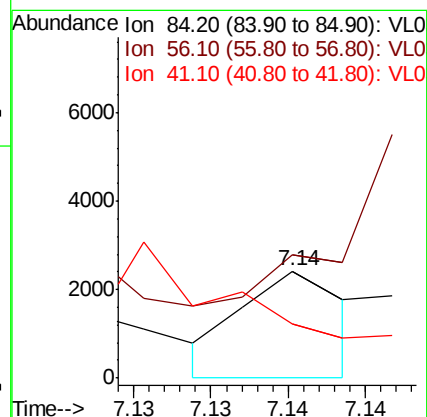
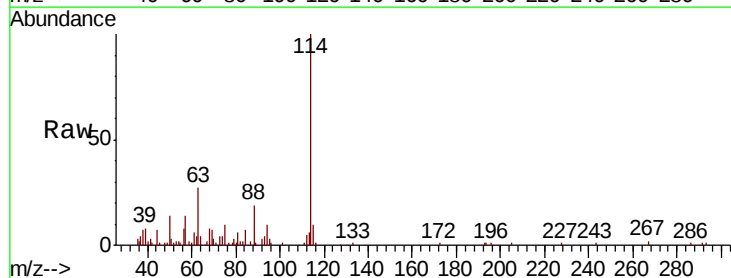
Tgt Ion: 84 Resp: 1114

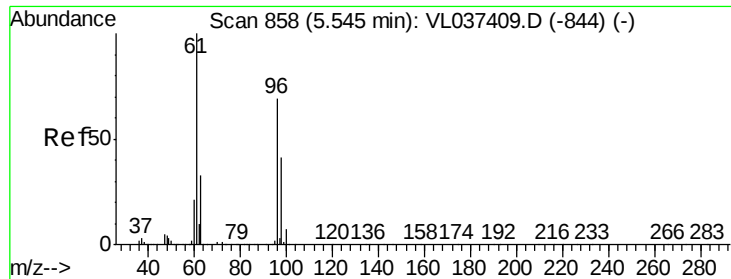
Ion Ratio Lower Upper

84 100

56 0.0 109.6 164.4#

41 202.2 66.6 99.8#



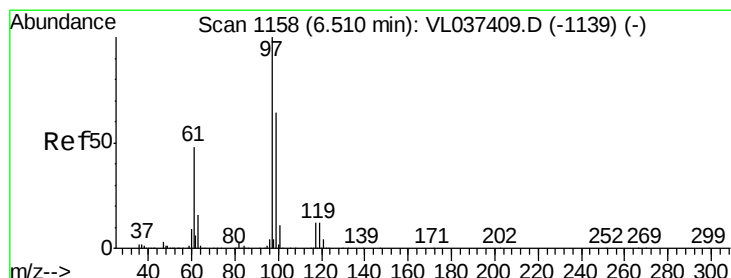
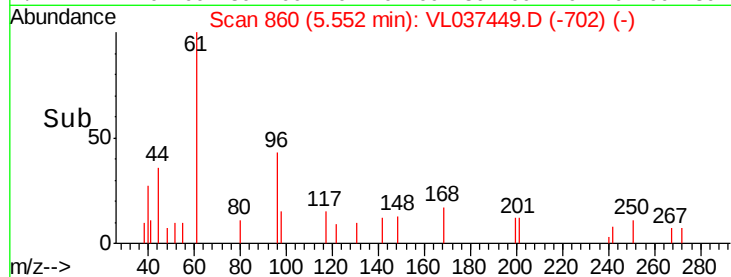
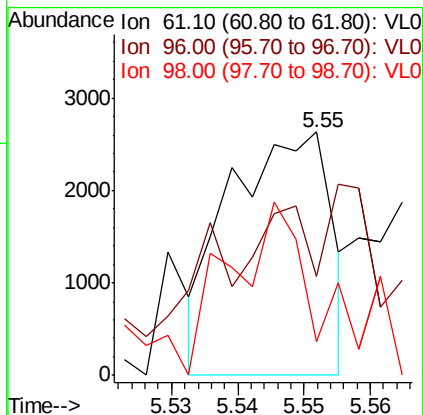
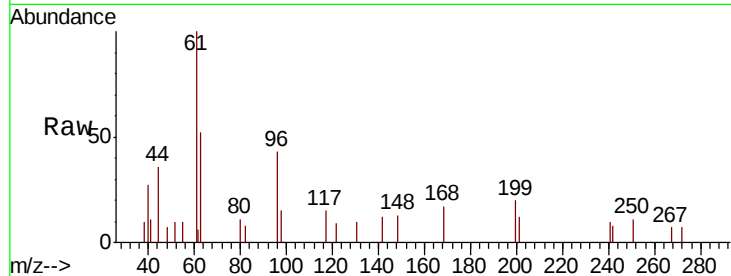


#31

cis-1,2-Dichloroethene
 Concen: 0.021 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Instrument :
 MSVOA_L
 ClientSampleId :

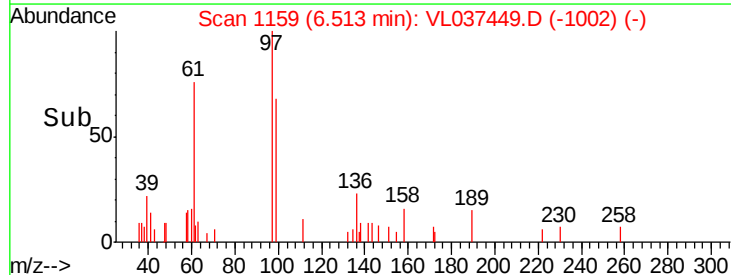
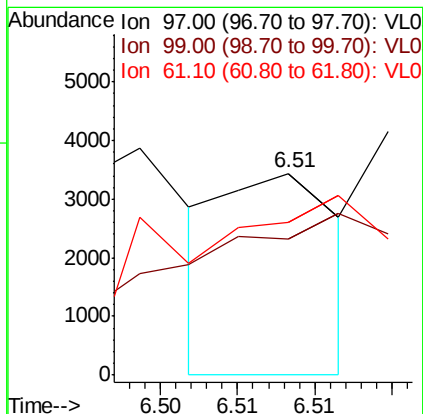
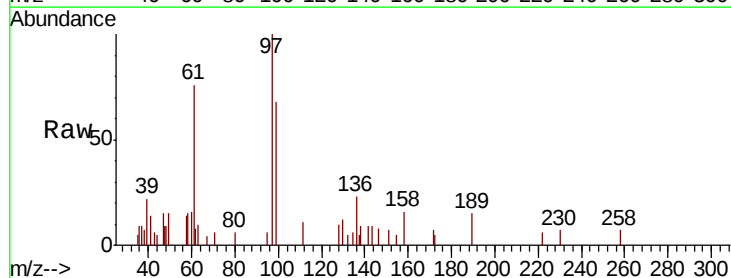
Tot Ion	61.10	Resp	2812
Ion	Ratio	Lower	Upper
61	100		
96	8.1	55.5	83.3#
98	20.6	33.1	49.7#

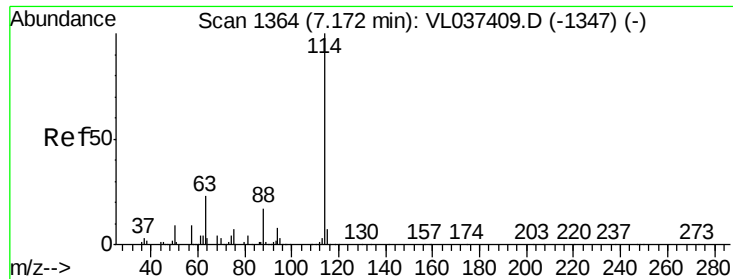


#32

1,1,1-Trichloroethane
 Concen: 0.008 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.00 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Tgt Ion	97	Resp	1793
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.3	78.5#
61	0.0	40.1	60.1#

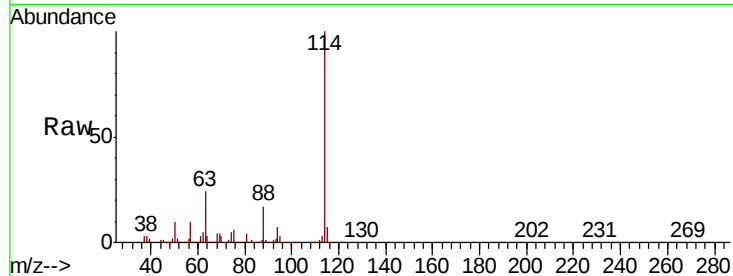




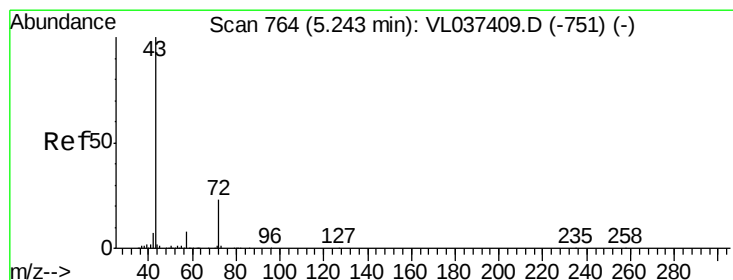
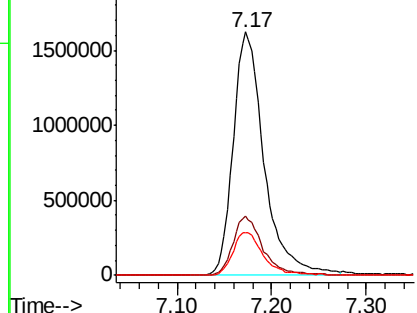
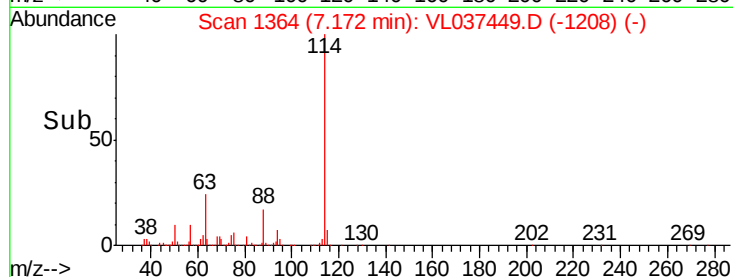
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3693698
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.4 29.2
 88 17.9 14.2 21.4

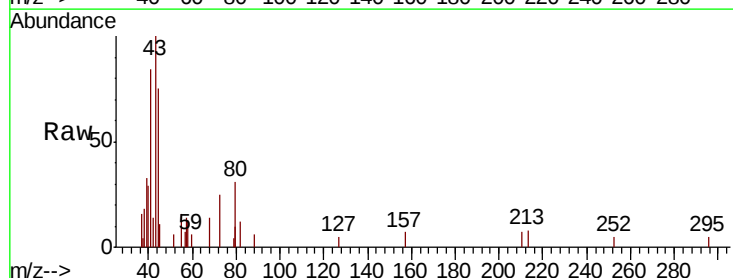


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

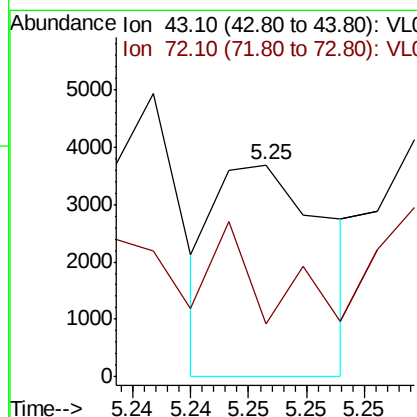
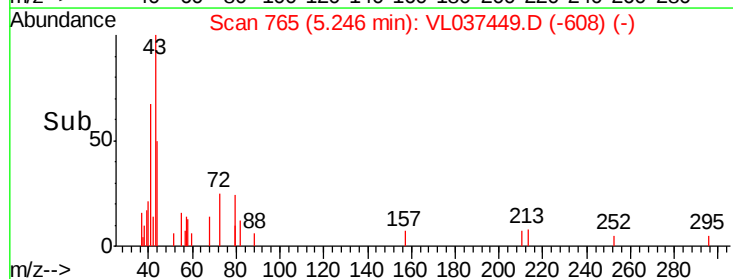


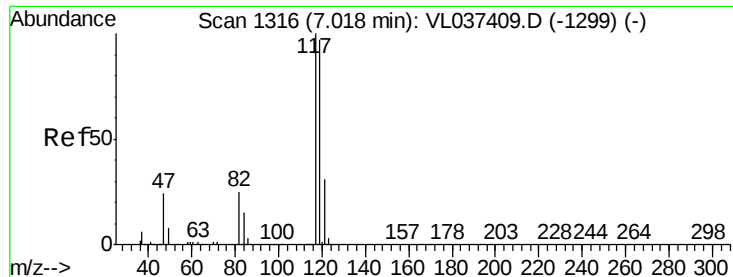
#34
 2-Butanone
 Concen: 0.016 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Tgt Ion: 43 Resp: 2474
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.7 26.5#



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

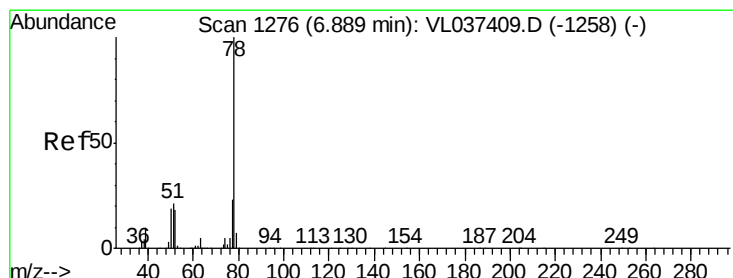
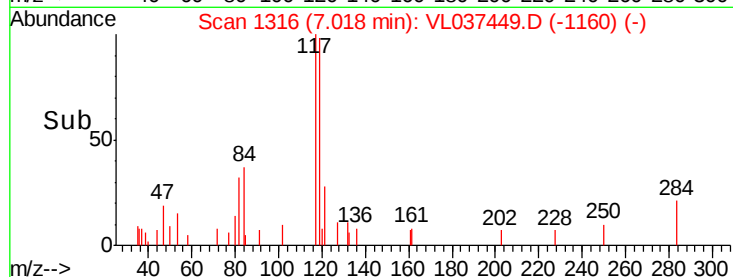
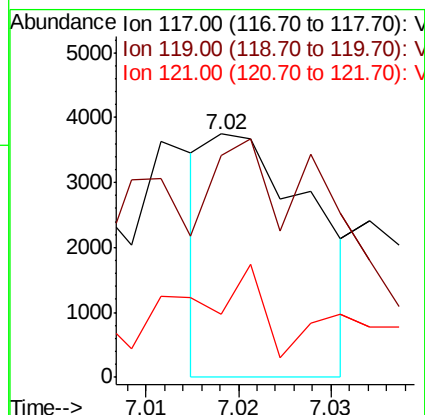
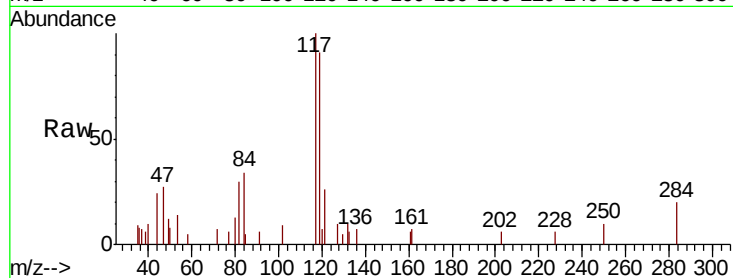




#35
Carbon Tetrachloride
Concen: 0.013 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

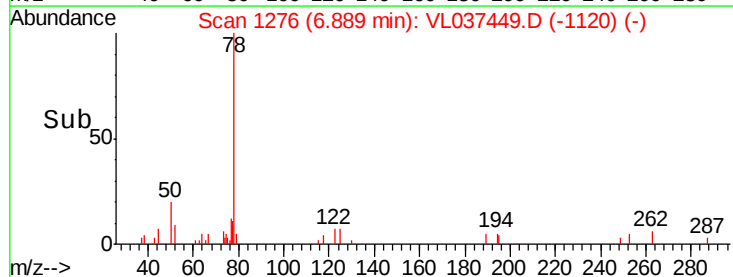
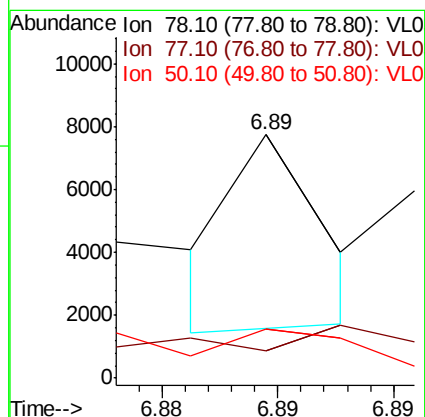
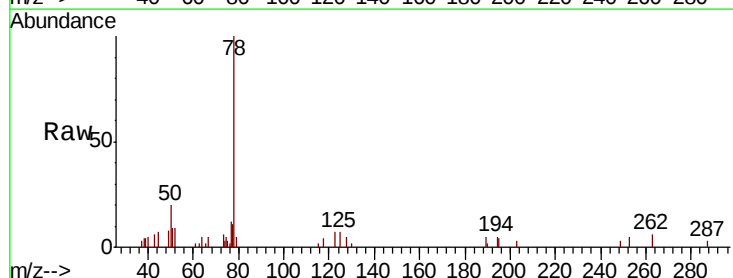
Instrument :
MSVOA_L
ClientSampleId :

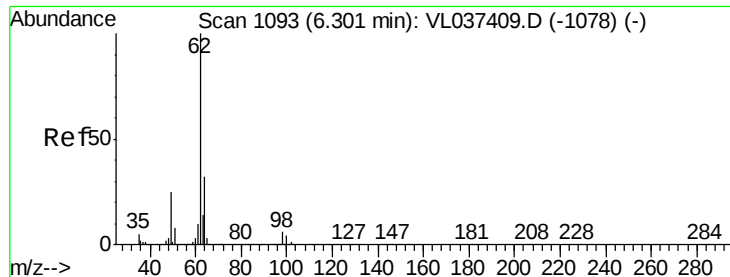
Tot Ion:117 Resp: 2927
Ion Ratio Lower Upper
117 100
119 76.3 77.5 116.3#
121 0.0 24.7 37.1#



#36
Benzene
Concen: 0.005 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

Tgt Ion: 78 Resp: 1653
Ion Ratio Lower Upper
78 100
77 0.0 18.6 27.8#
50 22.6 14.9 22.3#





#37

1,2-Dichloroethane

Concen: 0.012 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

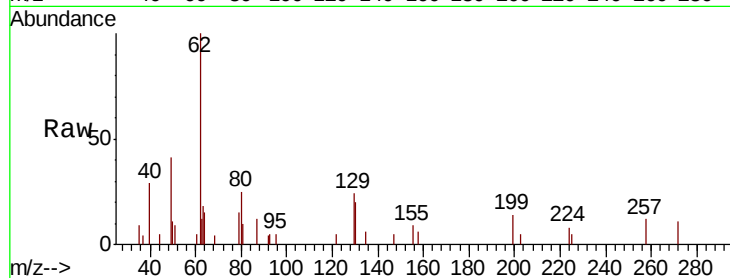
ClientSampleId :

Tot Ion: 62 Resp: 1955

Ion Ratio Lower Upper

62 100

98 0.0 5.4 8.2#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

4000

3000

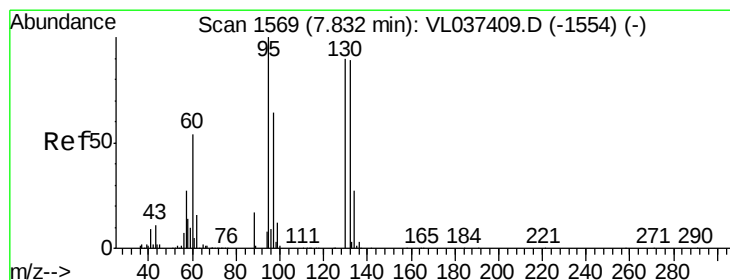
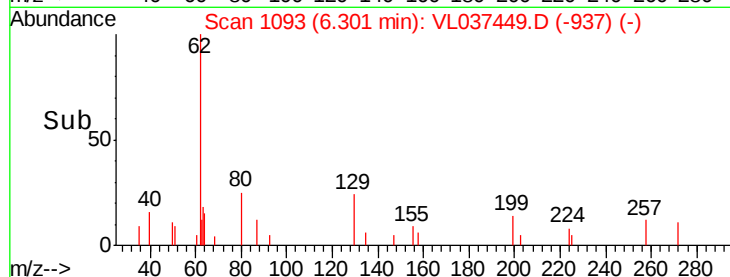
2000

1000

0

6.29 6.30 6.30 6.31 6.32

Time-->



#38

Trichloroethene

Concen: 0.018 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Tgt Ion:130 Resp: 2530

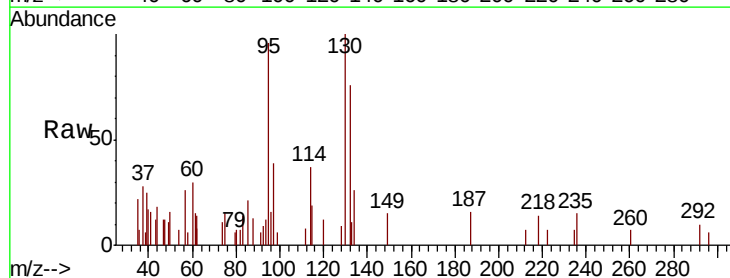
Ion Ratio Lower Upper

130 100

95 67.4 88.6 132.8#

132 46.2 79.2 118.8#

97 8.4 56.9 85.3#



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

4000

3000

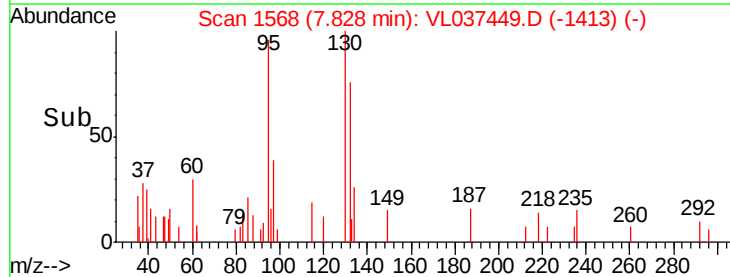
2000

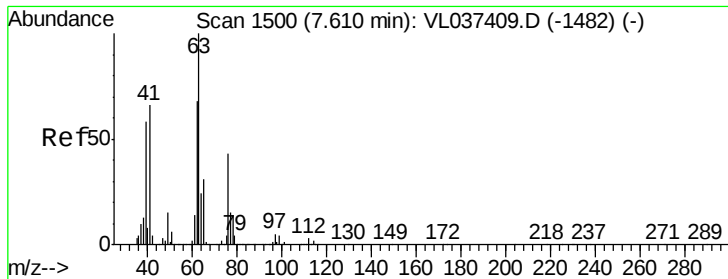
1000

0

7.81 7.82 7.83 7.84

Time-->





#39

1,2-Dichloropropane

Concen: 7.084 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.44 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampled :

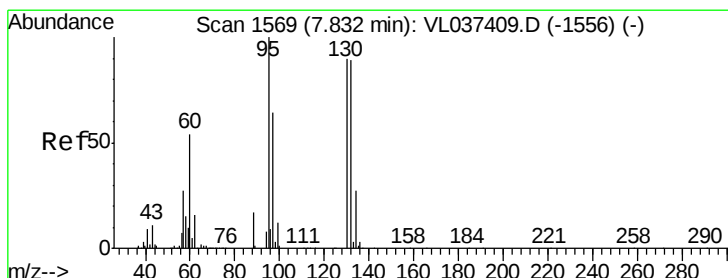
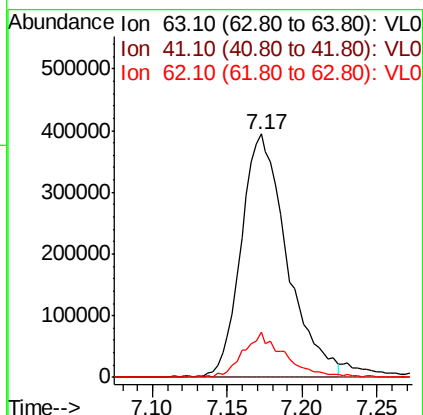
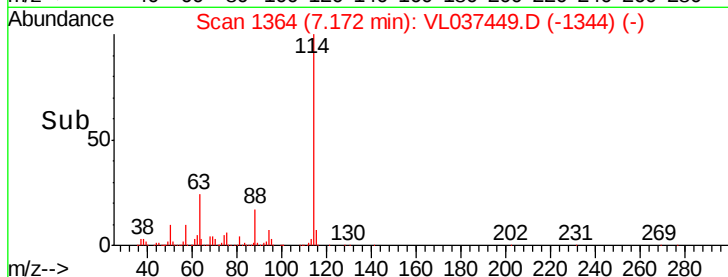
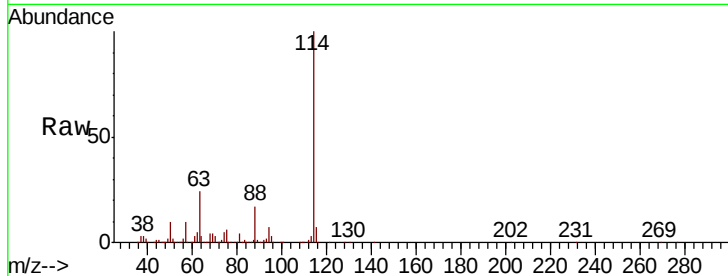
Tot Ion: 63 Resp: 840471

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

62 18.7 54.5 81.7#



#40

1,4-Dioxane

Concen: 0.003 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Tgt Ion: 88 Resp: 81

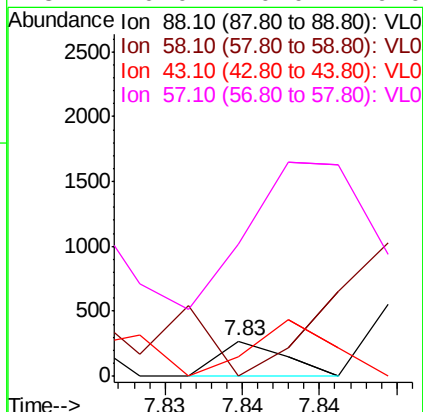
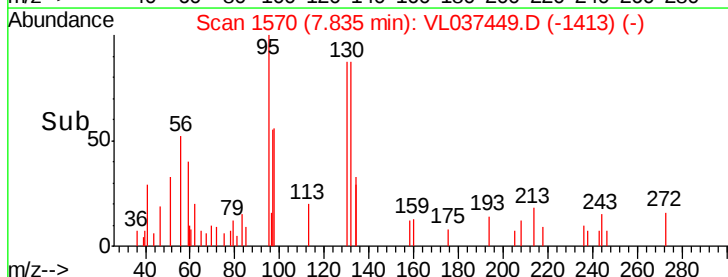
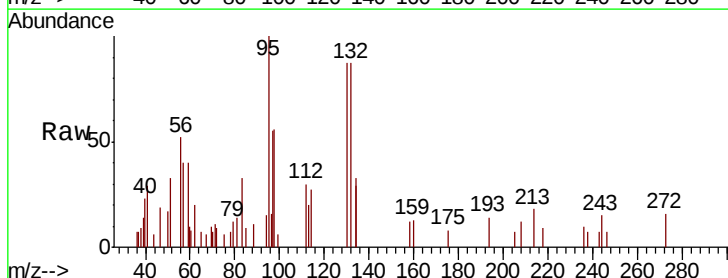
Ion Ratio Lower Upper

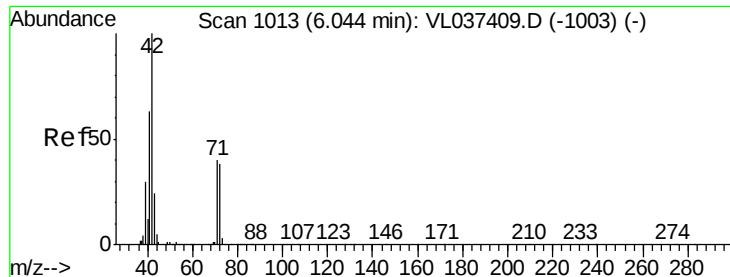
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

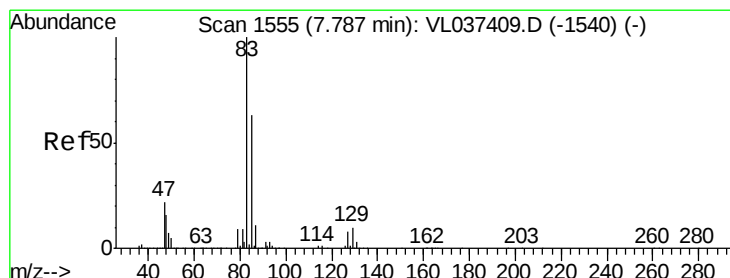
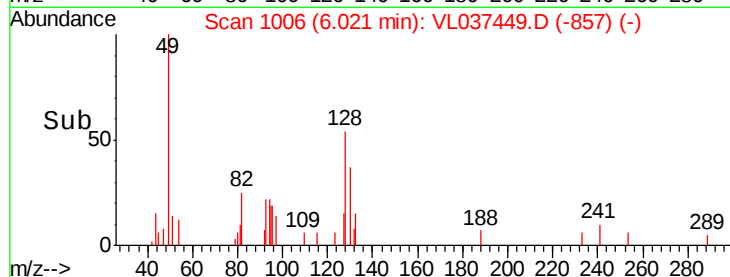
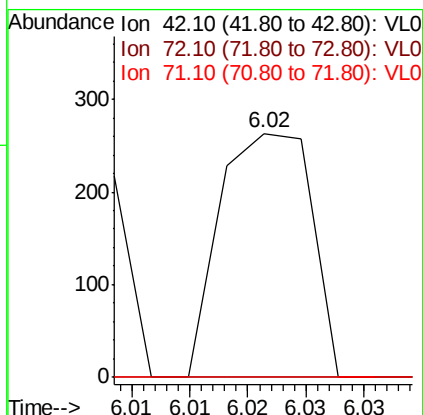
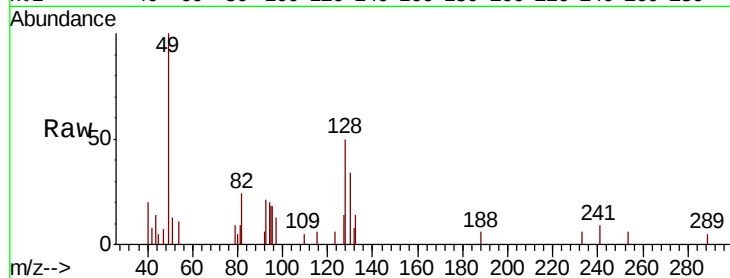




#41
Tetrahydrofuran
Concen: 0.002 ppbv
RT: 6.02 min Scan# 1006
Delta R.T. -0.02 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

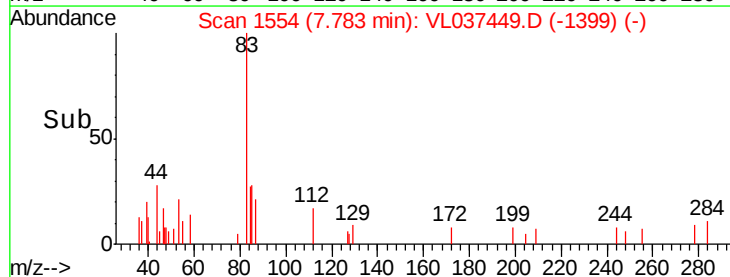
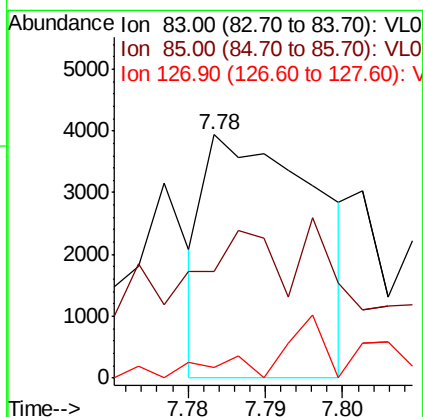
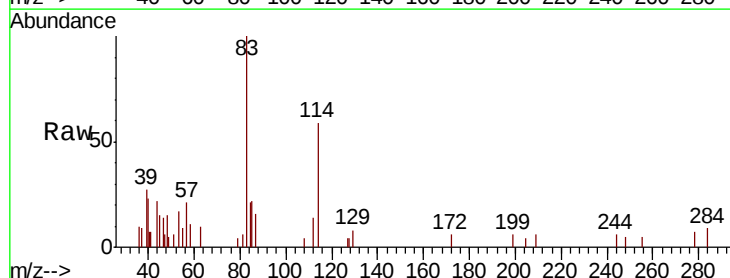
Instrument :
MSVOA_L
ClientSampleId :

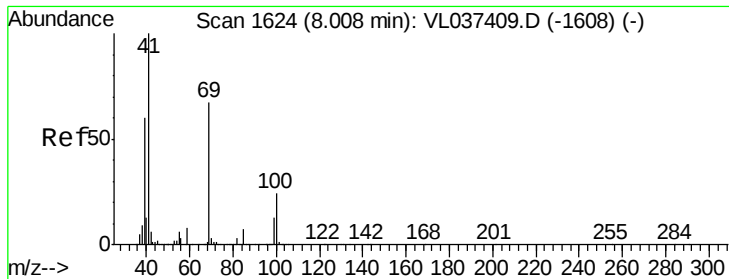
Tot Ion: 42 Resp: 144
Ion Ratio Lower Upper
42 100
72 0.0 33.5 50.3#
71 0.0 32.6 48.8#



#42
Bromodichloromethane
Concen: 0.018 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

Tgt Ion: 83 Resp: 3945
Ion Ratio Lower Upper
83 100
85 9.9 50.2 75.2#
127 9.4 6.6 9.8

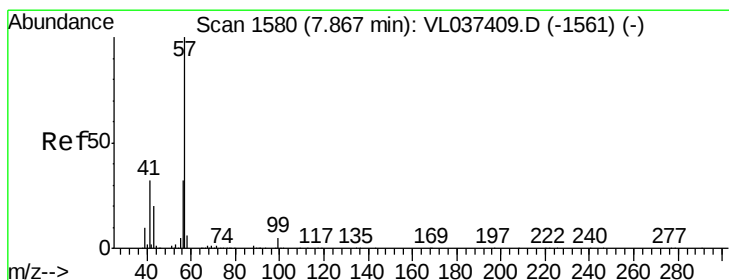
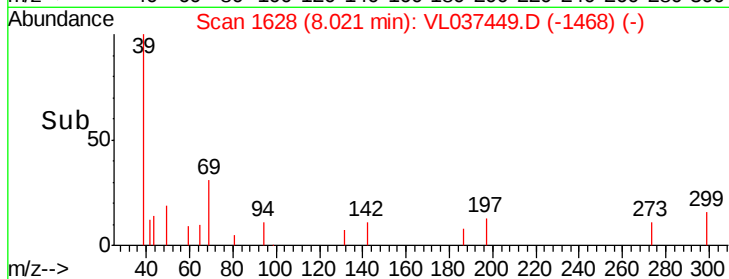
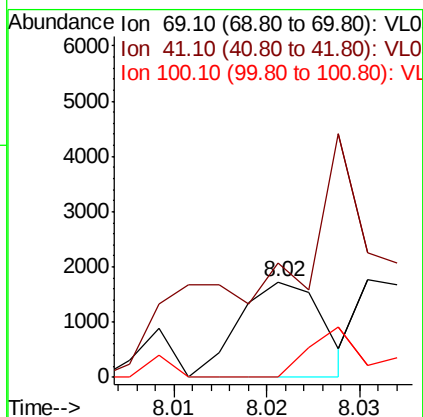
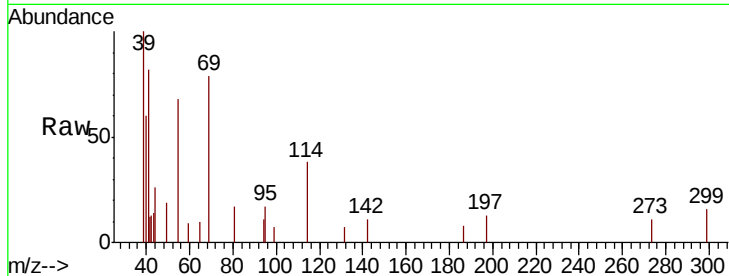




#43
Methvl Methacrylate
Concen: 0.010 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

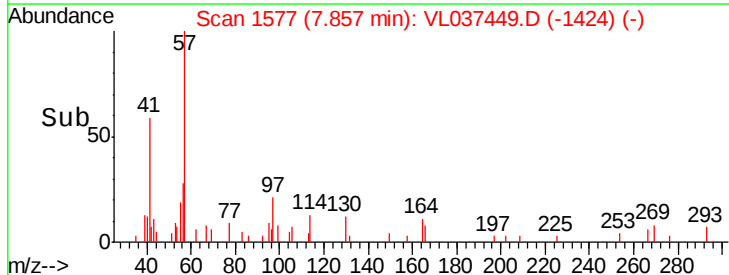
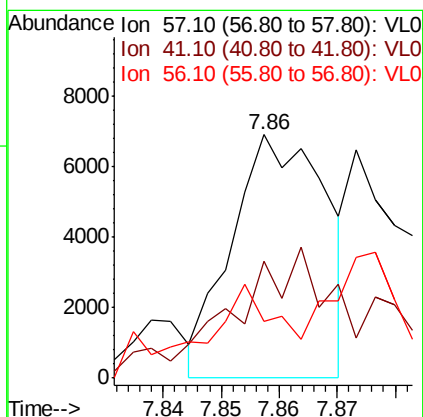
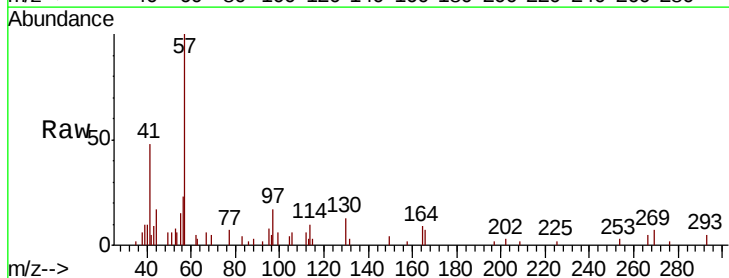
Instrument :
MSVOA_L
ClientSampleId :

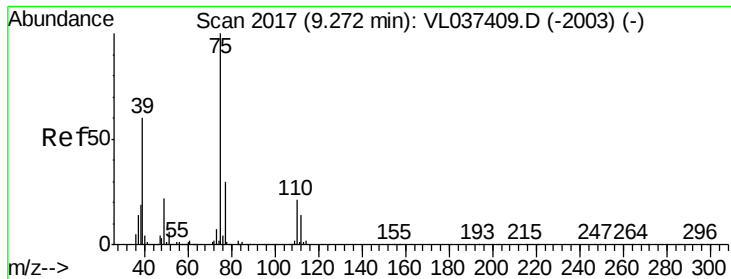
Tot Ion: 69 Resp: 1076
Ion Ratio Lower Upper
69 100
41 0.0 118.1 177.1#
100 0.0 27.6 41.4#



#44
2,2,4-Trimethylpentane
Concen: 0.015 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

Tgt Ion: 57 Resp: 7767
Ion Ratio Lower Upper
57 100
41 119.1 26.4 39.6#
56 0.0 25.0 37.4#





#45

t-1,3-Dichloropropene

Concen: 0.007 ppbv

RT: 9.27 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

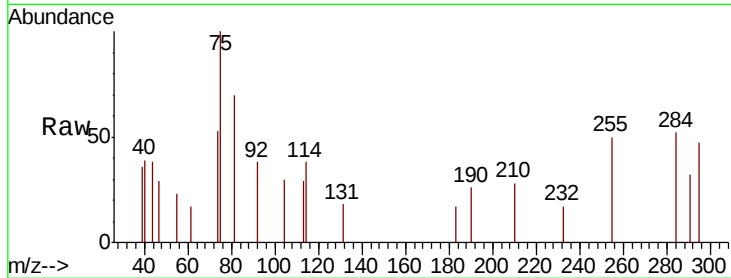
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 75 Resp: 559

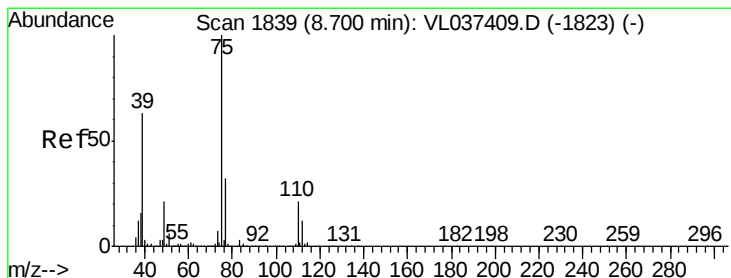
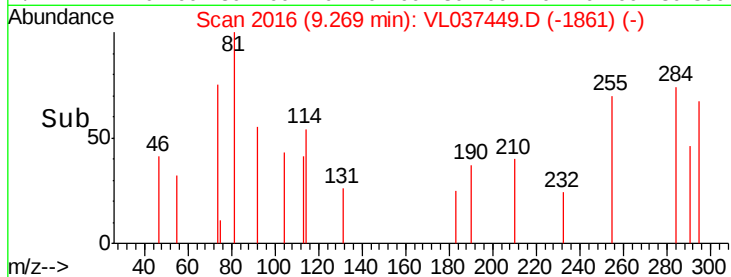
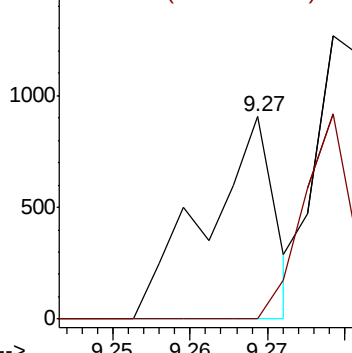
Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#



Abundance Ion 75.10 (74.80 to 75.80): VL0
Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 0.014 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

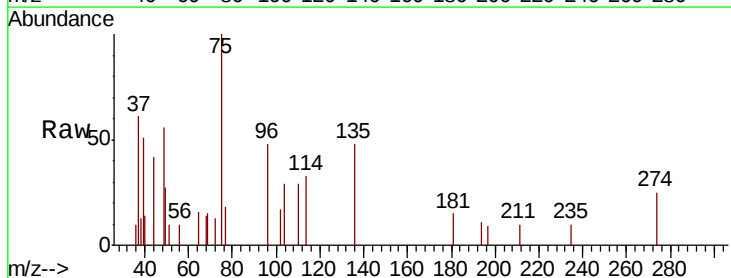
Tgt Ion: 75 Resp: 1524

Ion Ratio Lower Upper

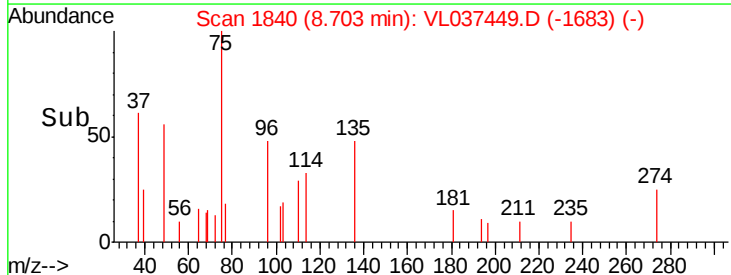
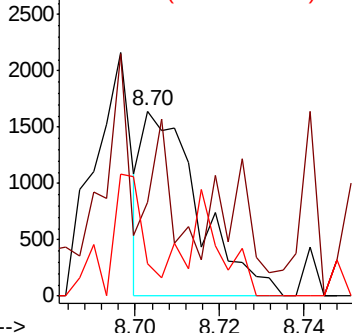
75 100

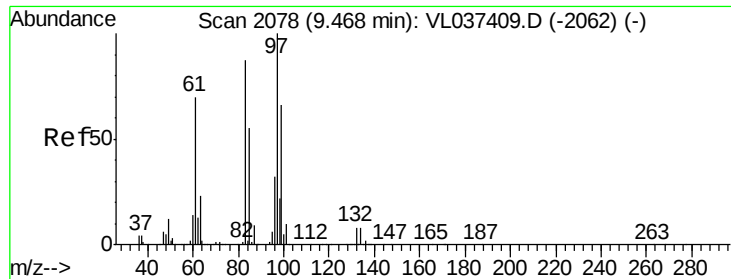
39 8.5 50.1 75.1#

77 17.5 25.8 38.8#



Abundance Ion 75.00 (74.70 to 75.70): VL0
Ion 39.00 (38.70 to 39.70): VL0
Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 0.016 ppbv

RT: 9.47 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 2090

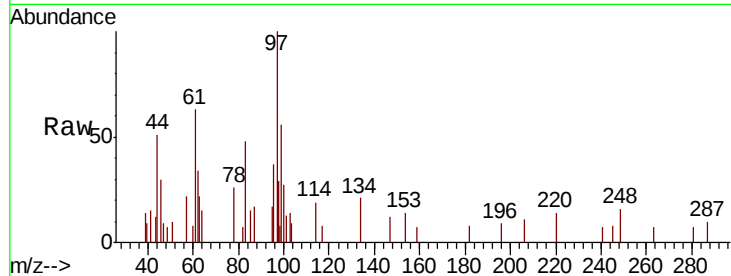
Ion	Ratio	Lower	Upper
97	100		
83	4.8	69.5	104.3#
85	0.0	43.8	65.8#
99	32.1	53.0	79.4#

97 100

83 4.8 69.5 104.3#

85 0.0 43.8 65.8#

99 32.1 53.0 79.4#



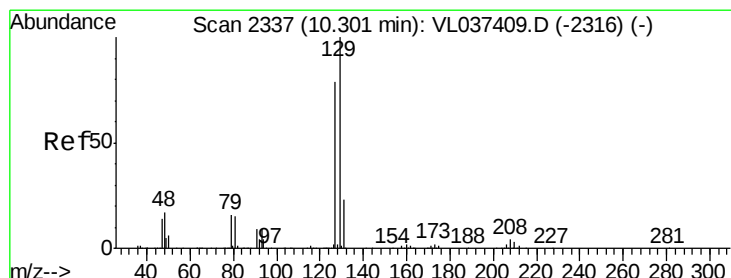
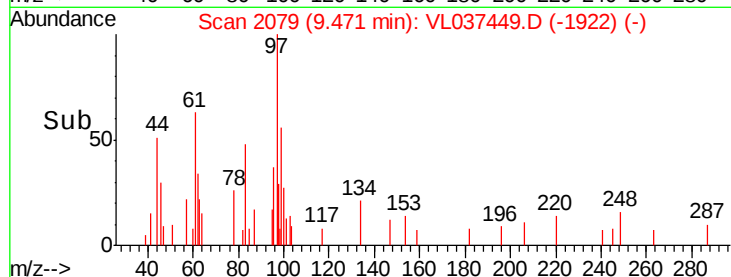
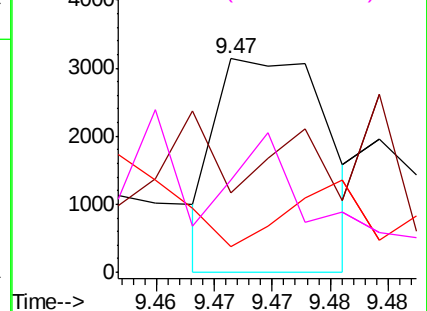
Abundance

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: 0.018 ppbv

RT: 10.31 min Scan# 2339

Delta R.T. 0.01 min

Lab File: VL037449.D

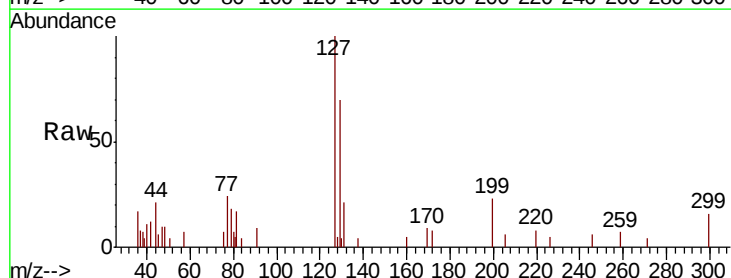
Acq: 13 Aug 2021 15:13

Tgt Ion: 129 Resp: 3247

Ion	Ratio	Lower	Upper
129	100		
127	145.6	39.6	118.8#

129 100

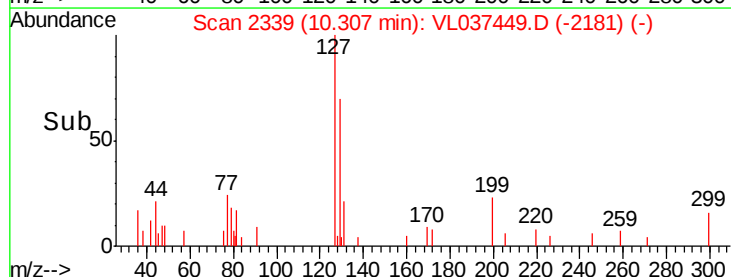
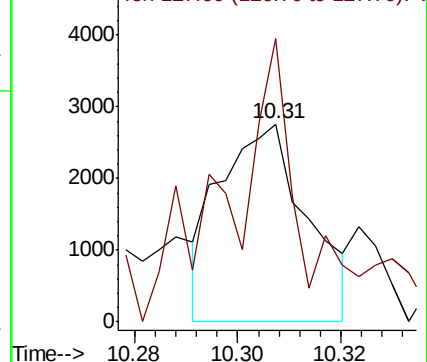
127 145.6 39.6 118.8#

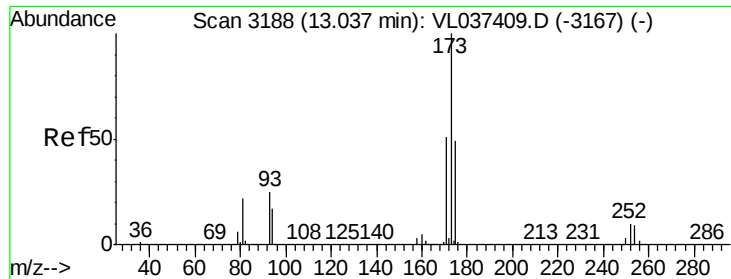


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.005 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

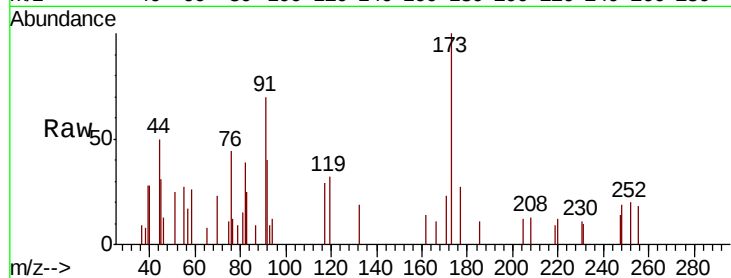
Tot Ion:173 Resp: 683

Ion Ratio Lower Upper

173 100

175 205.6 39.9 59.9#

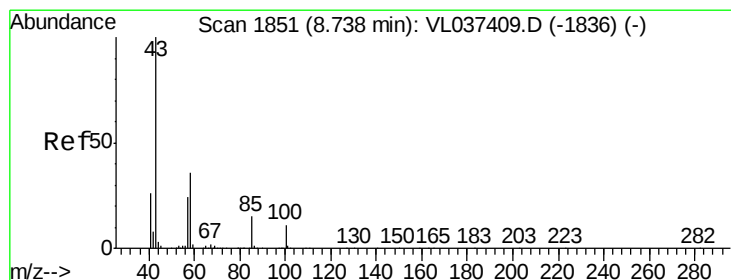
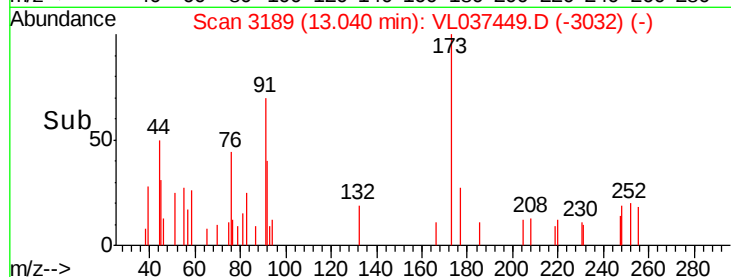
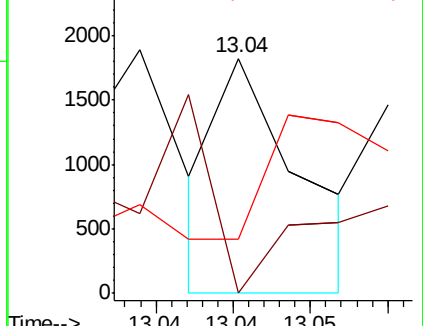
171 0.0 41.4 62.2#



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: 0.001 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.01 min

Lab File: VL037449.D

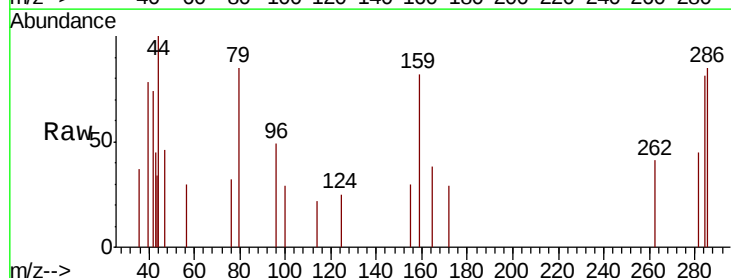
Acq: 13 Aug 2021 15:13

Tgt Ion: 43 Resp: 107

Ion Ratio Lower Upper

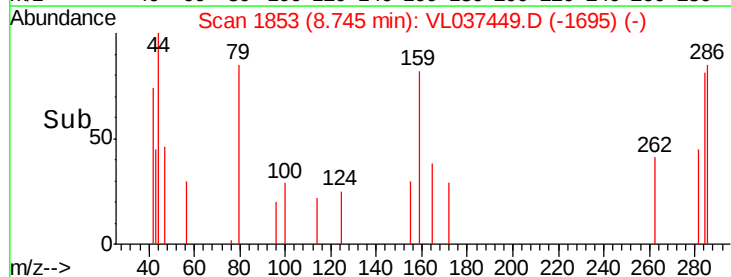
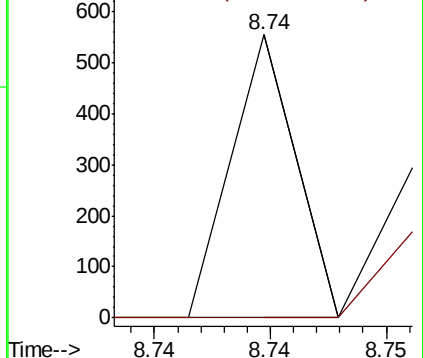
43 100

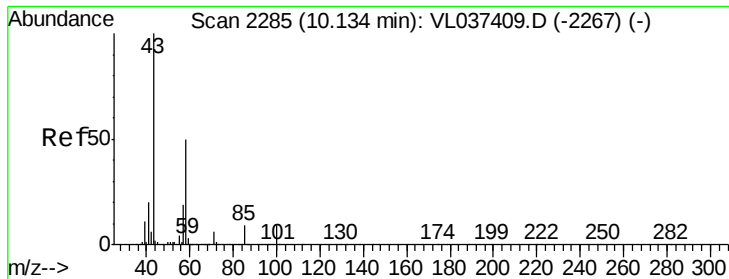
58 0.0 29.9 44.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 0.002 ppbv

RT: 10.10 min Scan# 2276

Delta R.T. -0.03 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampled :

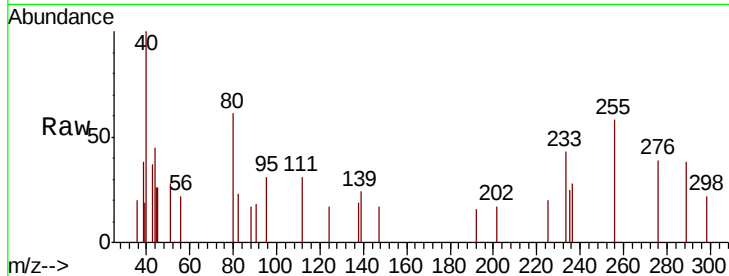
Tot Ion: 43 Resp: 178

Ion Ratio Lower Upper

43 100

58 157.3 39.9 59.9#

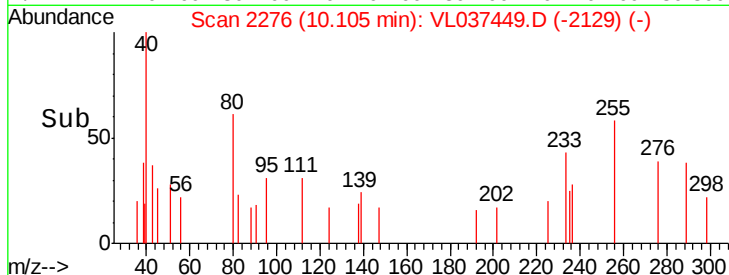
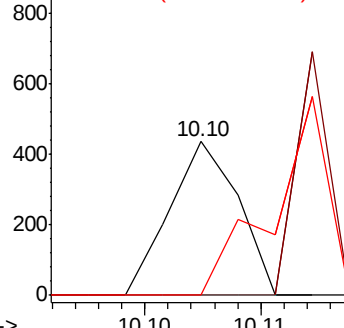
98 132.0 0.2 0.2#



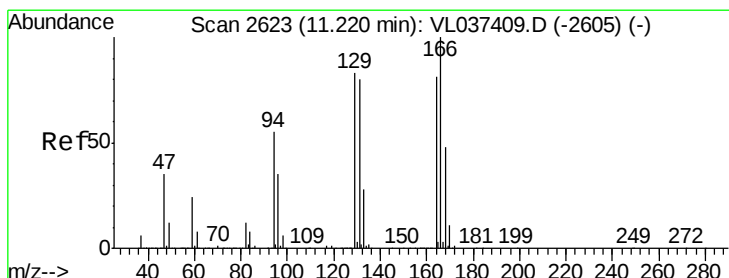
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



Time-->



#52

Tetrachloroethene

Concen: 0.010 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Tgt Ion: 164 Resp: 1357

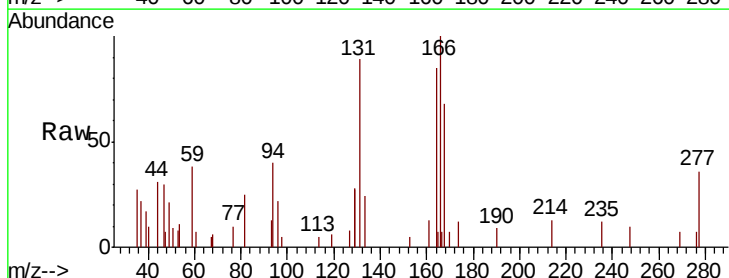
Ion Ratio Lower Upper

164 100

166 19.7 98.6 147.8#

129 0.0 82.0 123.0#

131 93.4 78.6 117.8

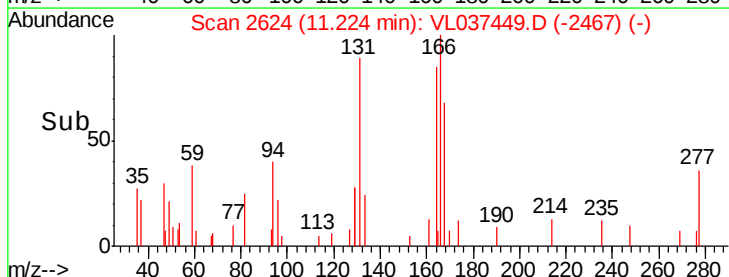
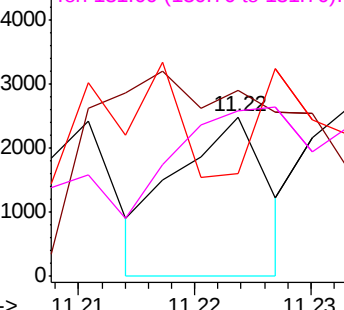


Abundance Ion 163.90 (163.60 to 164.60): V

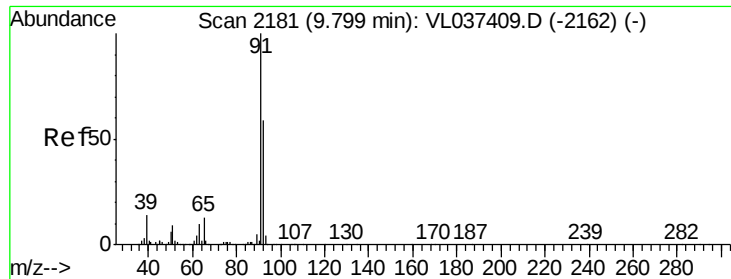
Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



Time-->



#53

Toluene

Concen: 0.012 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

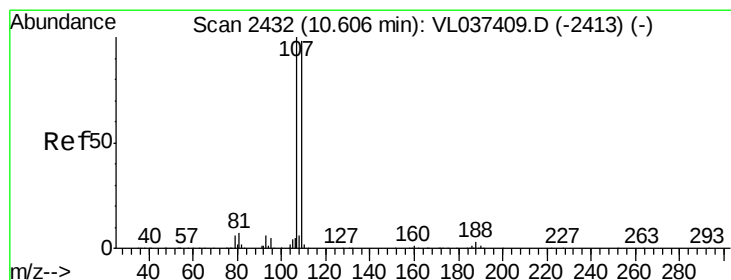
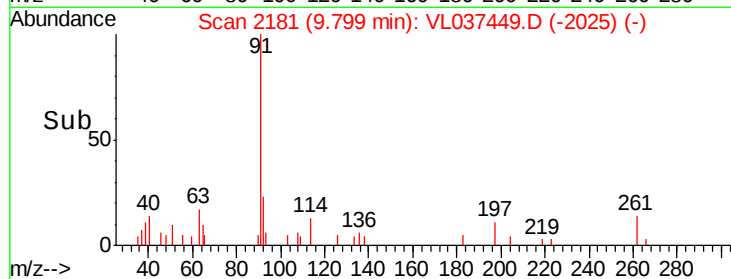
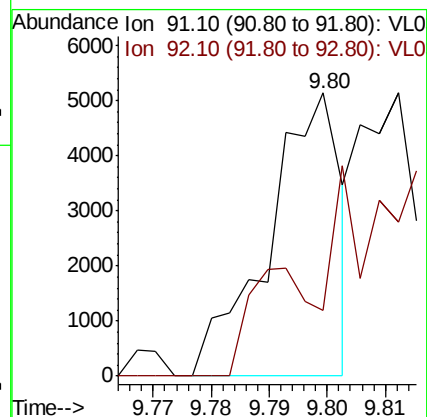
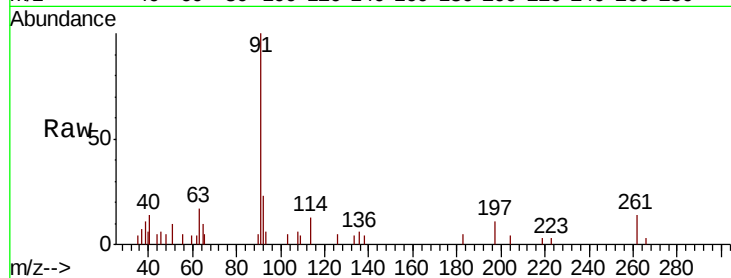
ClientSampleId :

Tot Ion: 91 Resp: 4439

Ion Ratio Lower Upper

91 100

92 139.4 49.0 73.6#



#54

1,2-Dibromoethane

Concen: 0.019 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL037449.D

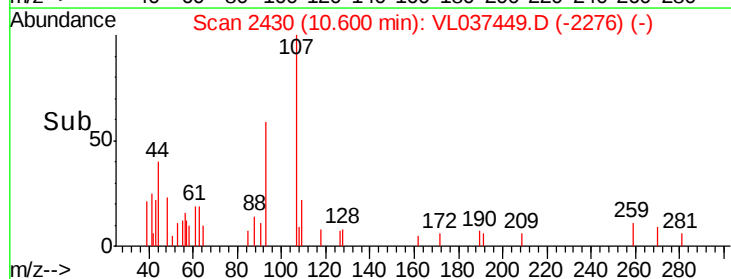
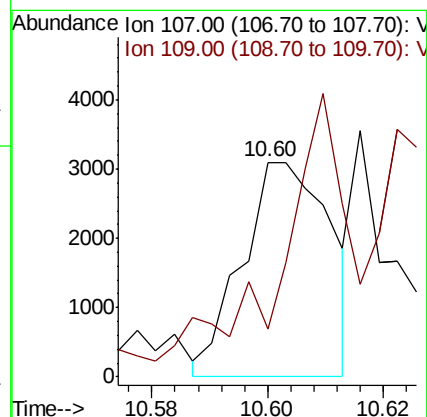
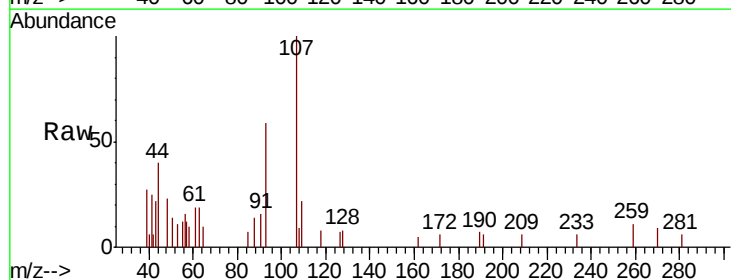
Acq: 13 Aug 2021 15:13

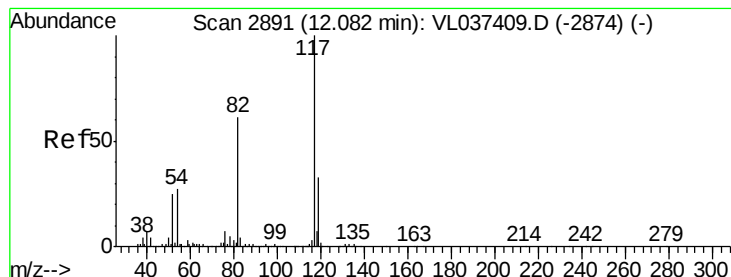
Tgt Ion: 107 Resp: 3254

Ion Ratio Lower Upper

107 100

109 0.0 78.4 117.6#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

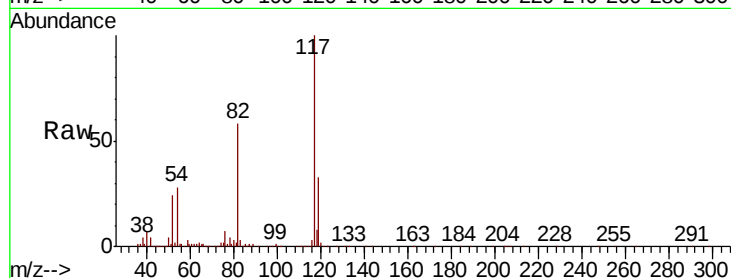
Tot Ion:117 Resp: 3178380

Ion Ratio Lower Upper

117 100

82 64.0 53.1 79.7

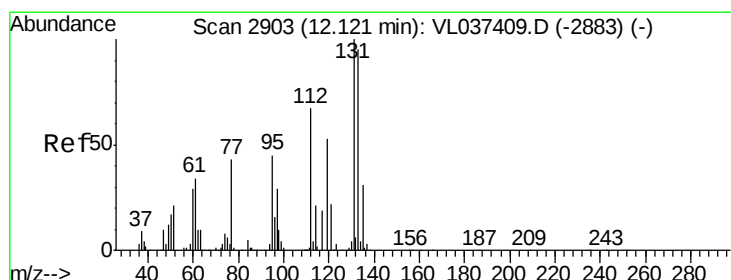
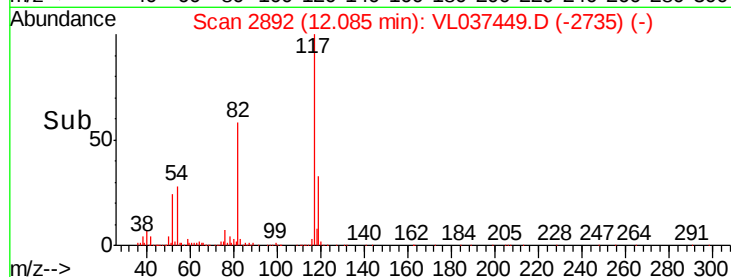
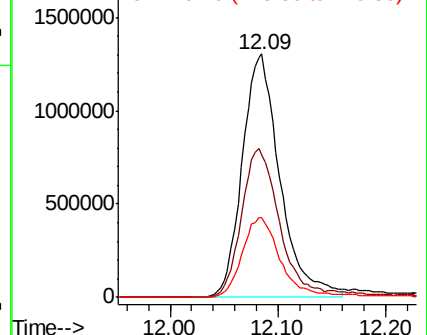
119 33.7 28.0 42.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.018 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

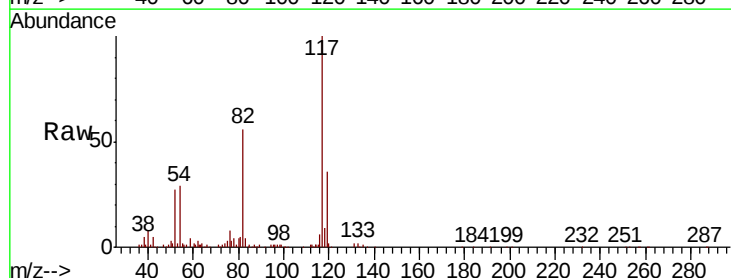
Tgt Ion:131 Resp: 2302

Ion Ratio Lower Upper

131 100

133 0.0 77.1 115.7#

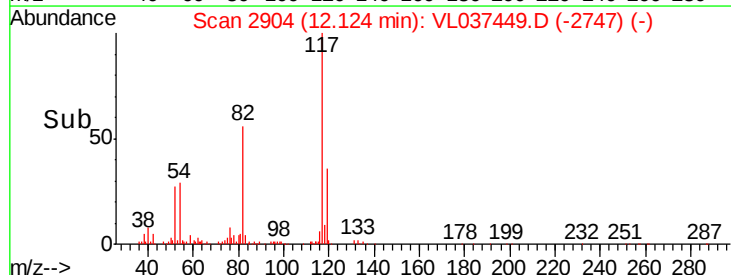
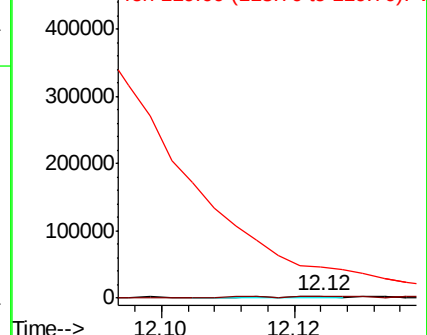
119 0.0 59.7 89.5#

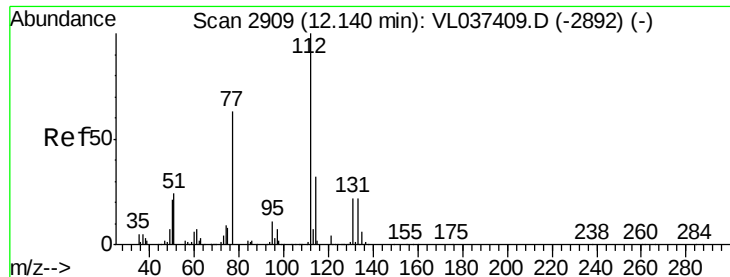


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.002 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. 0.05 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

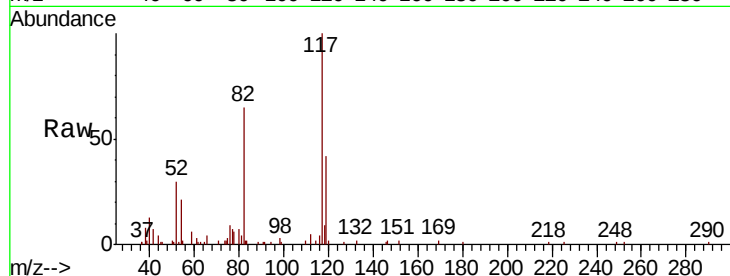
Tot Ion: 112 Resp: 425

Ion Ratio Lower Upper

112 100

77 74.9 50.0 75.0

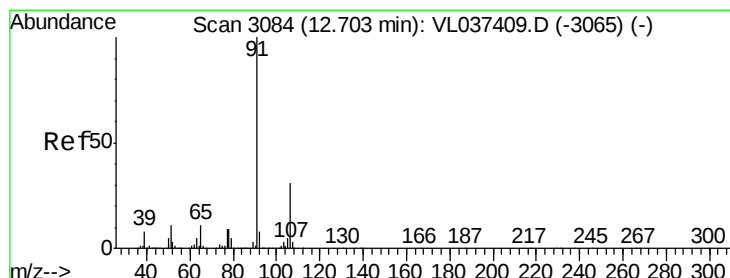
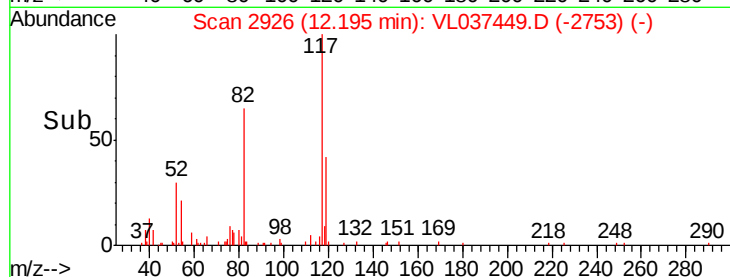
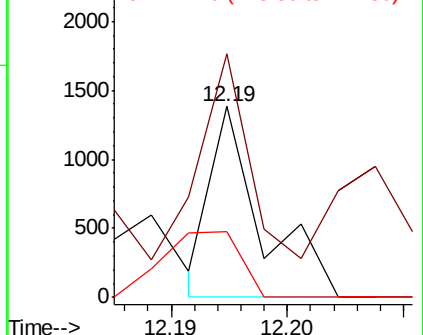
114 34.6 28.5 34.9



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: 0.001 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.36 min

Lab File: VL037449.D

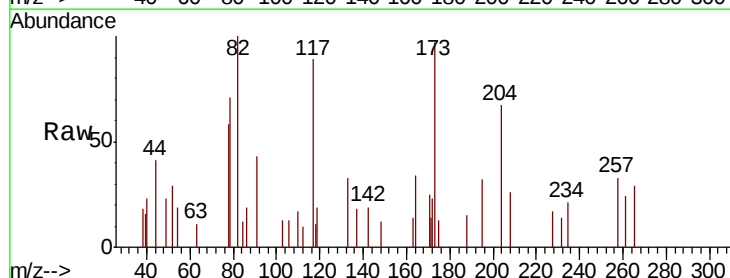
Acq: 13 Aug 2021 15:13

Tgt Ion: 91 Resp: 263

Ion Ratio Lower Upper

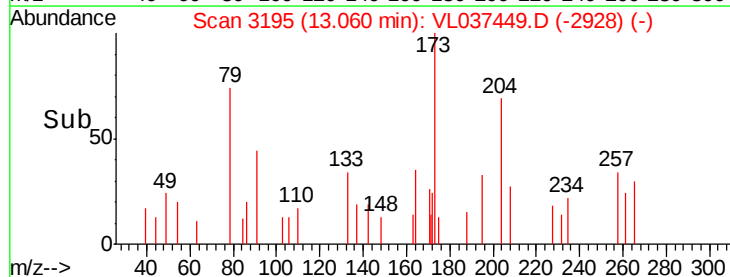
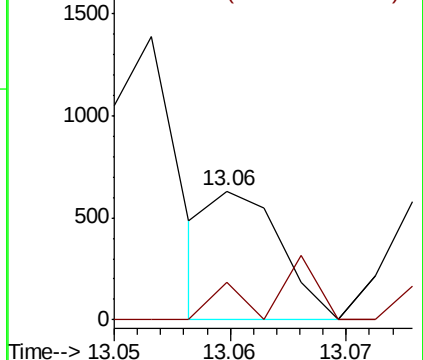
91 100

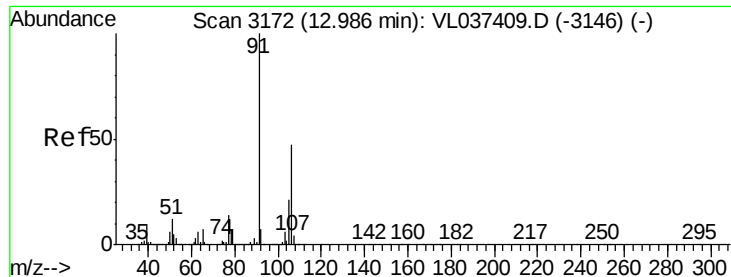
106 29.6 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.014 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

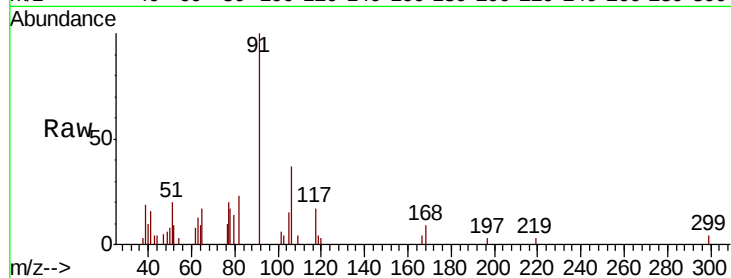
ClientSampled :

Tot Ion: 91 Resp: 5219

Ion Ratio Lower Upper

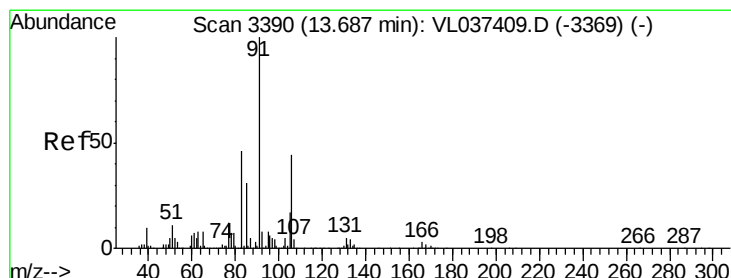
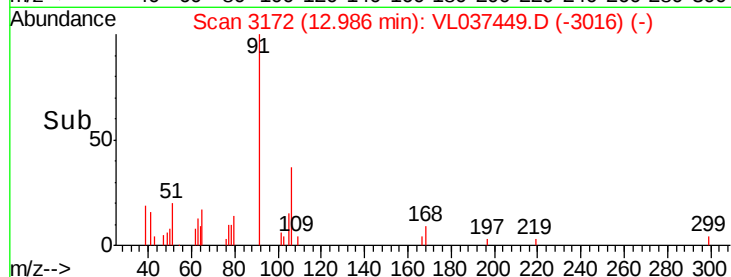
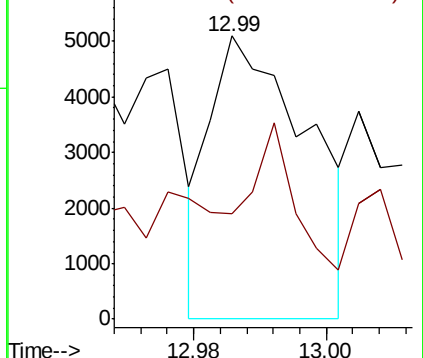
91 100

106 101.0 36.6 54.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.009 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VL037449.D

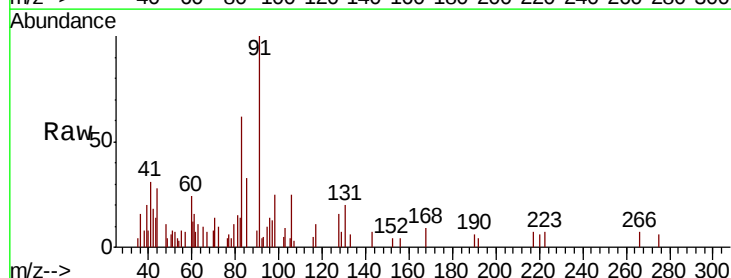
Acq: 13 Aug 2021 15:13

Tgt Ion: 91 Resp: 3027

Ion Ratio Lower Upper

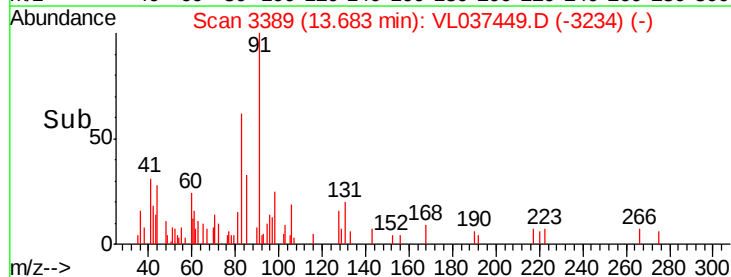
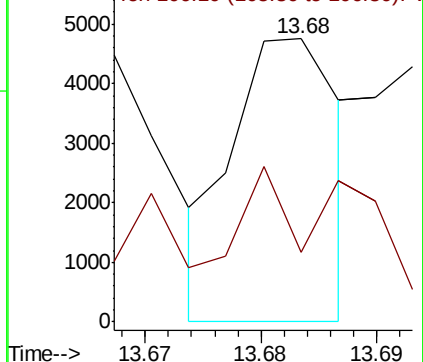
91 100

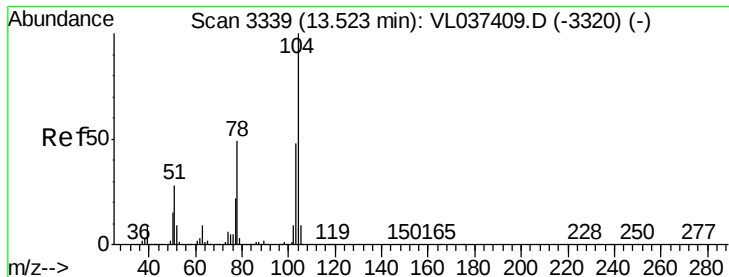
106 0.0 24.1 72.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

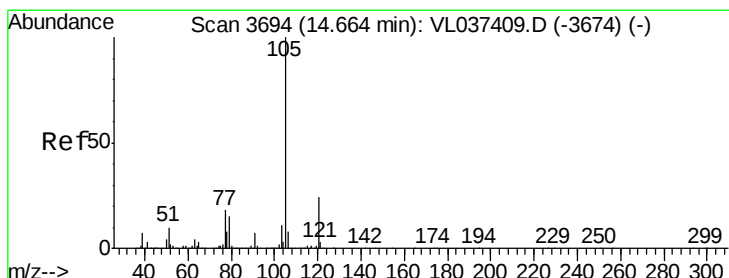
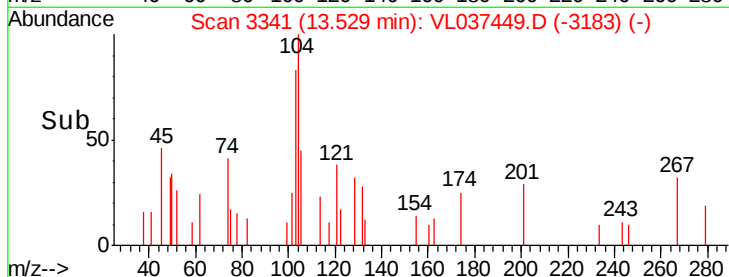
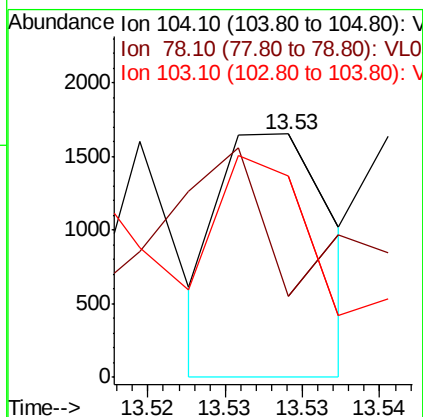
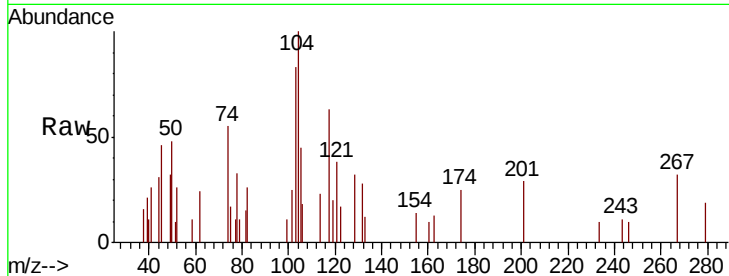




#61
Stvrene
Concen: 0.005 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.01 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

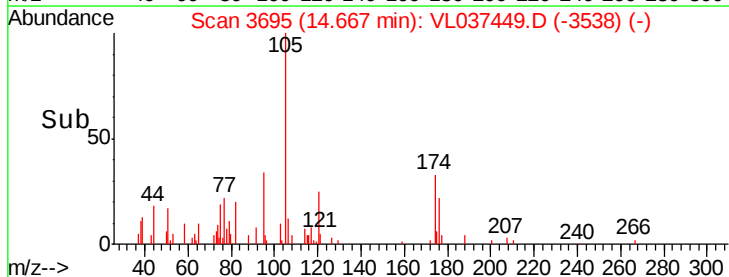
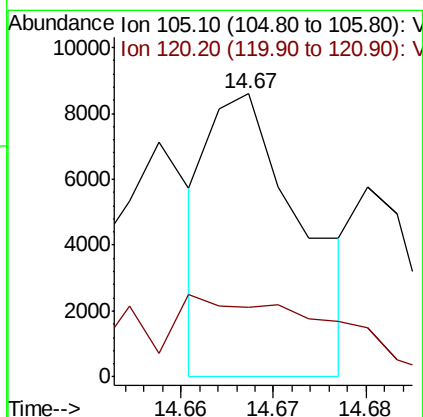
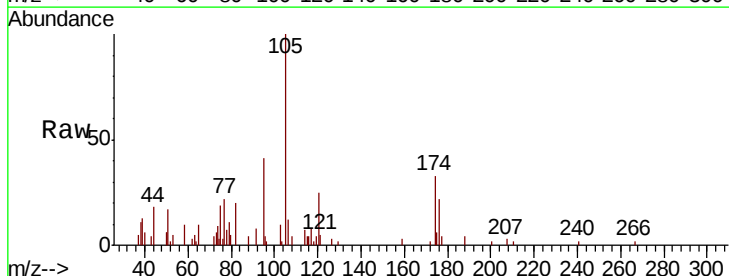
Instrument :
MSVOA_L
ClientSampled :

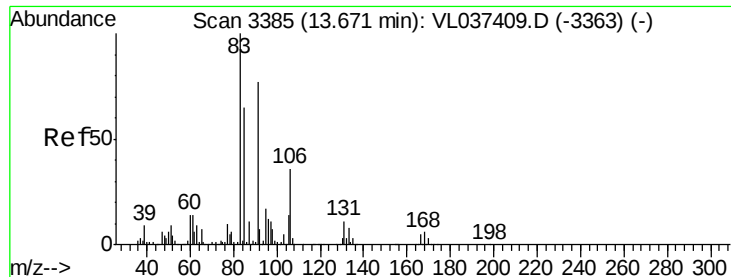
Tot Ion:104 Resp: 832
Ion Ratio Lower Upper
104 100
78 289.8 41.5 62.3#
103 316.1 40.2 60.2#



#62
Isopropylbenzene
Concen: 0.012 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

Tgt Ion:105 Resp: 5962
Ion Ratio Lower Upper
105 100
120 0.0 21.6 32.4#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.015 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

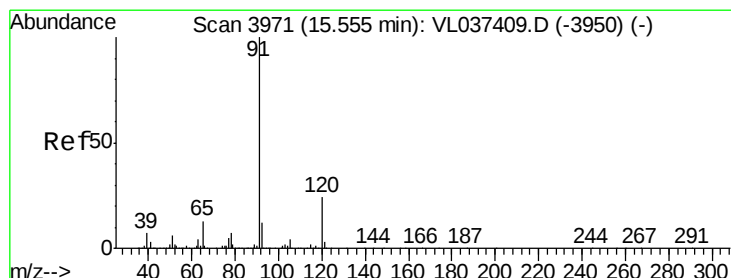
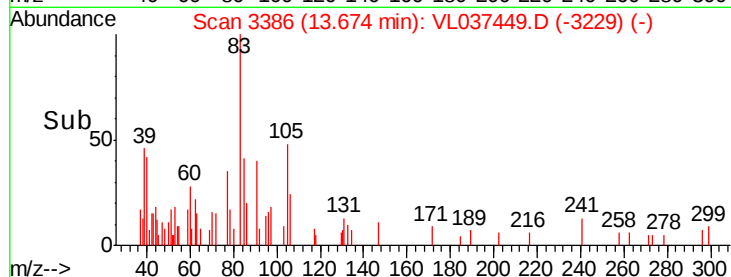
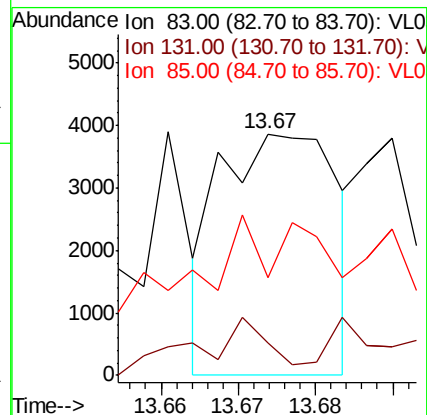
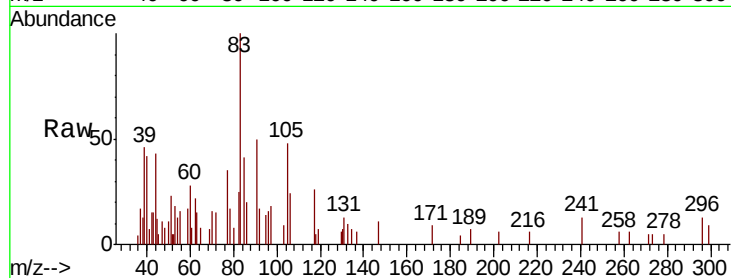
Tot Ion: 83 Resp: 4063

Ion Ratio Lower Upper

83 100

131 30.8 5.1 15.4#

85 222.8 33.4 100.2#



#64

n-propylbenzene

Concen: 0.001 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. 0.26 min

Lab File: VL037449.D

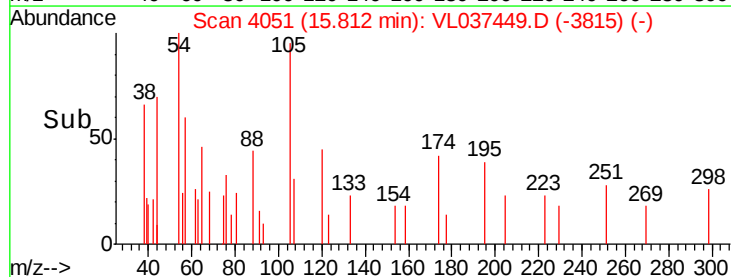
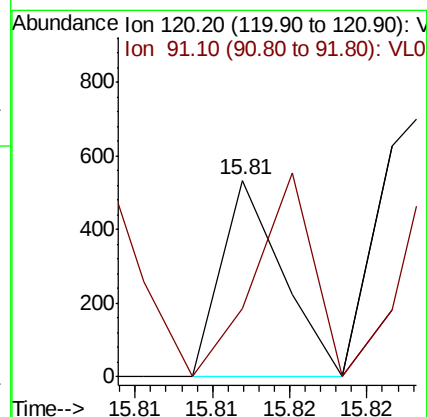
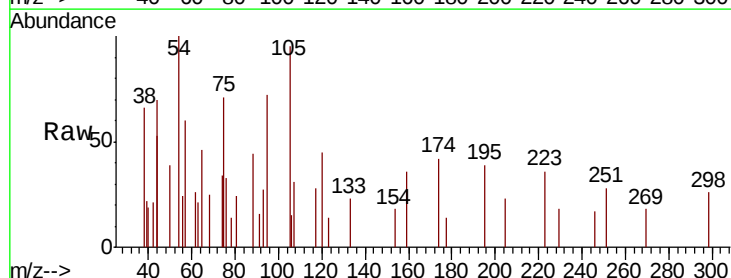
Acq: 13 Aug 2021 15:13

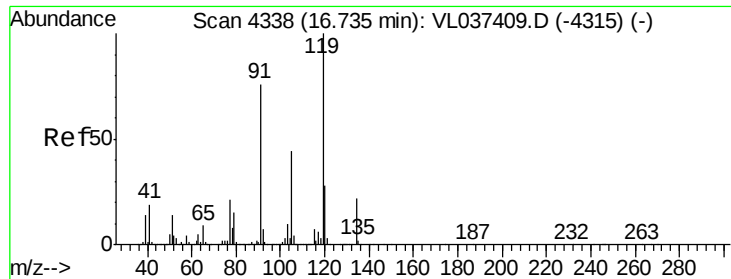
Tgt Ion: 120 Resp: 146

Ion Ratio Lower Upper

120 100

91 460.3 388.4 582.6





#65

tert-Butylbenzene

Concen: 0.009 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

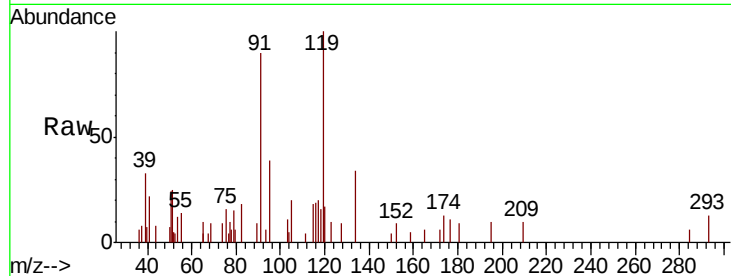
Tot Ion:119 Resp: 4051

Ion Ratio Lower Upper

119 100

91 287.9 62.2 93.4#

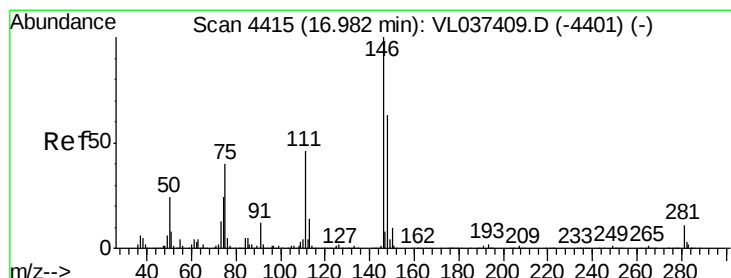
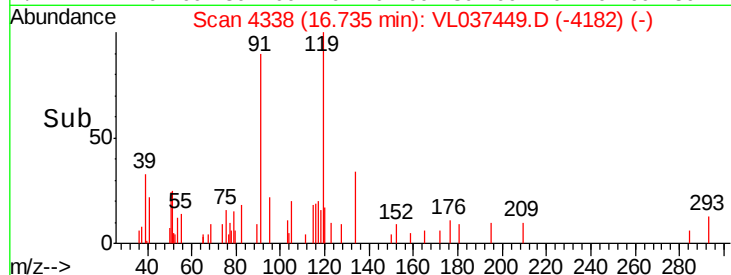
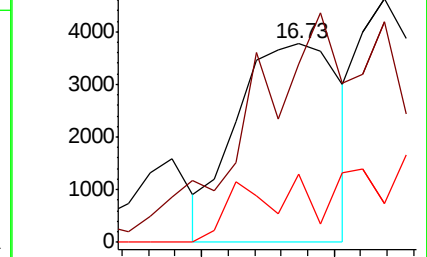
134 0.0 16.1 24.1#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.006 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

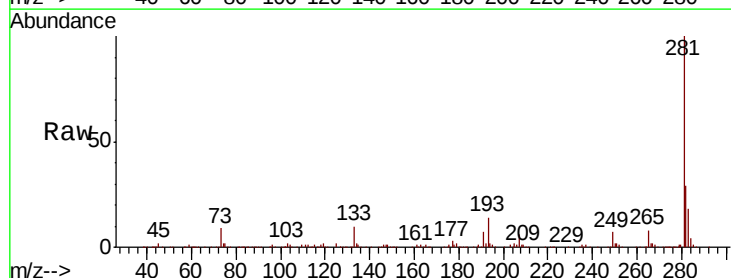
Tgt Ion: 91 Resp: 118

Ion Ratio Lower Upper

91 100

126 0.0 14.3 21.5#

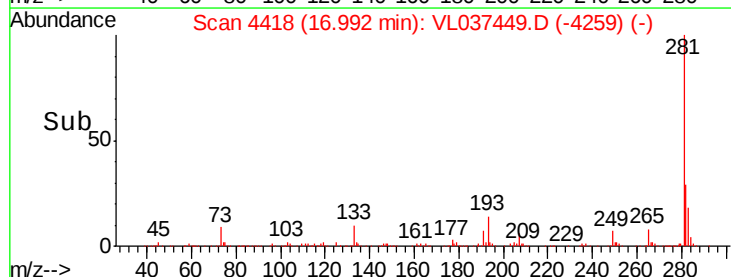
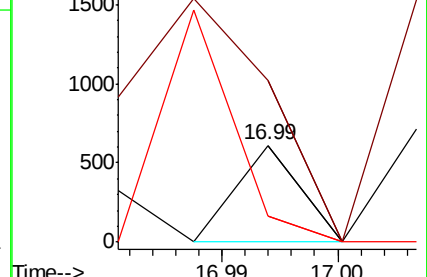
128 348.3 4.6 7.0#

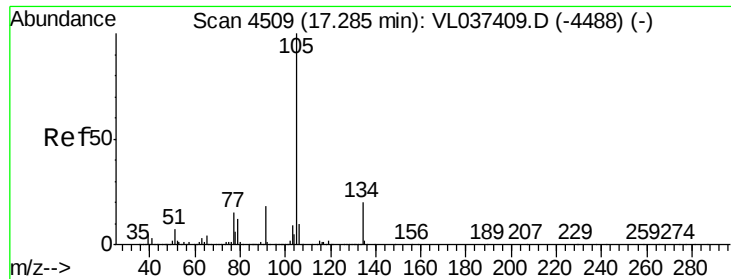


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

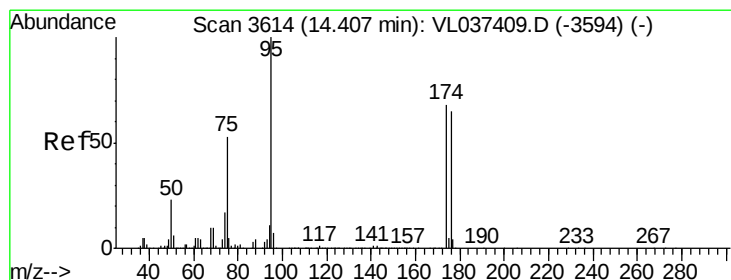
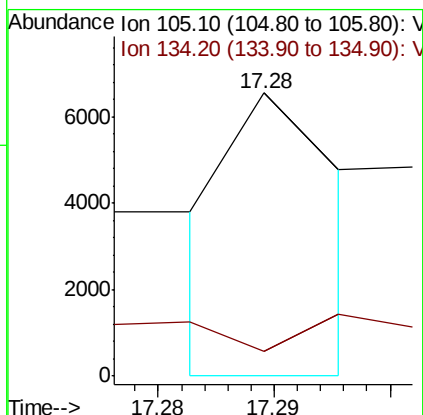
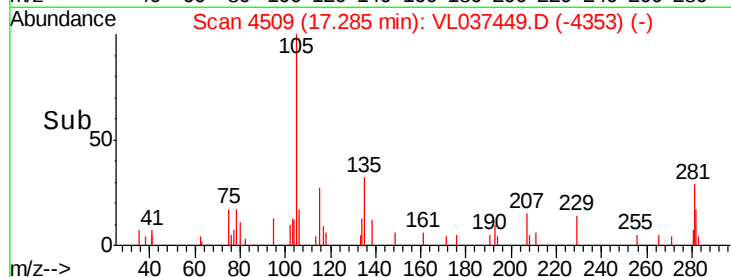
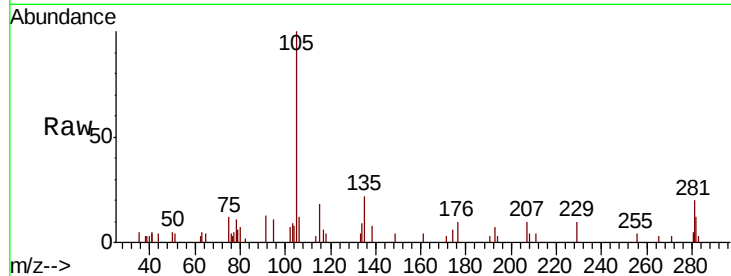




#67
 sec-Butylbenzene
 Concen: 0.004 ppbv
 RT: 17.28 min Scan# 4509
 Delta R.T. 0.00 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

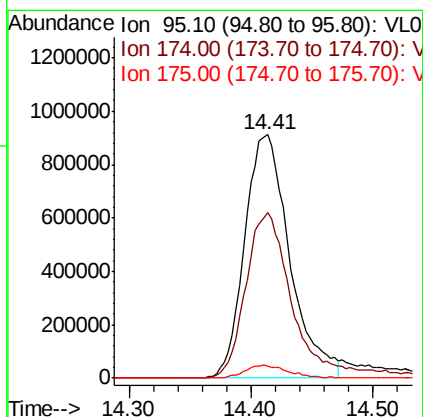
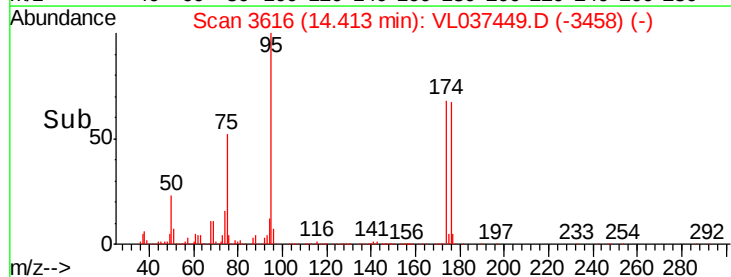
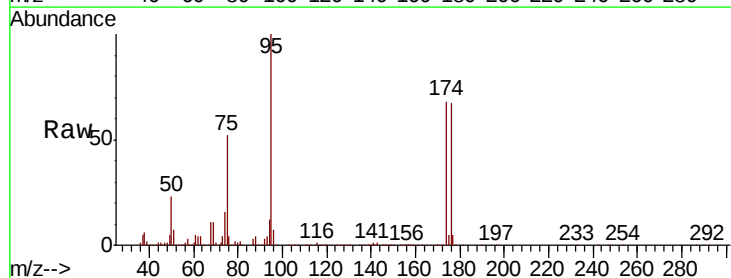
Instrument :
 MSVOA_L
 ClientSampleId :

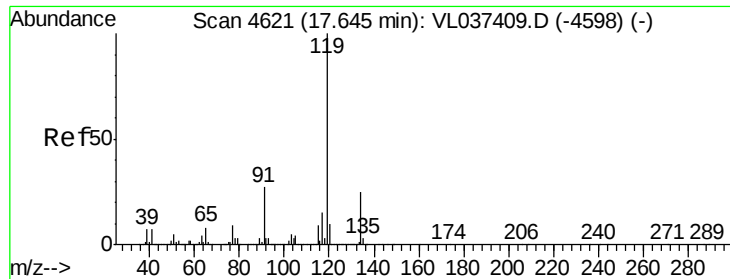
Tot Ion: 105 Resp: 2189
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.205 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.01 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Tgt Ion: 95 Resp: 2326806
 Ion Ratio Lower Upper
 95 100
 174 74.3 59.6 89.4
 175 5.1 4.3 6.5





#69

p-Isopropyltoluene

Concen: 0.005 ppbv

RT: 17.65 min Scan# 4623

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampled :

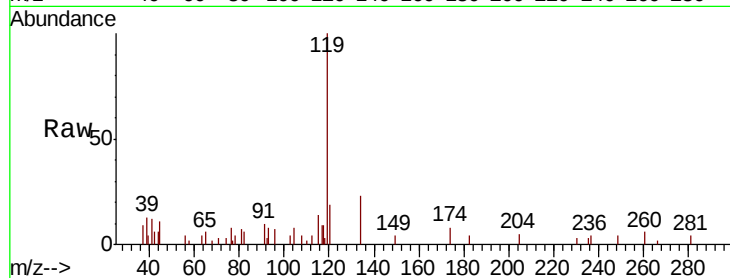
Tot Ion: 119 Resp: 2761

Ion Ratio Lower Upper

119 100

134 0.0 20.6 31.0#

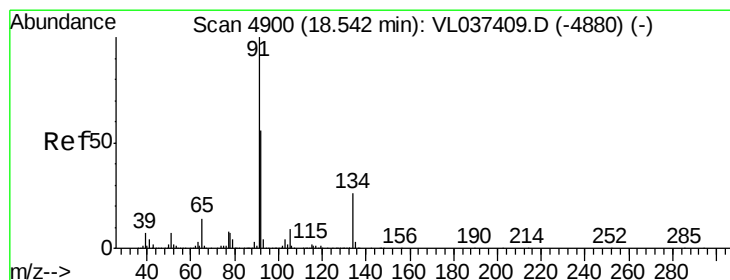
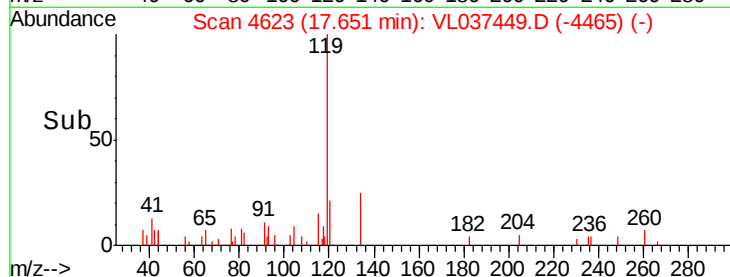
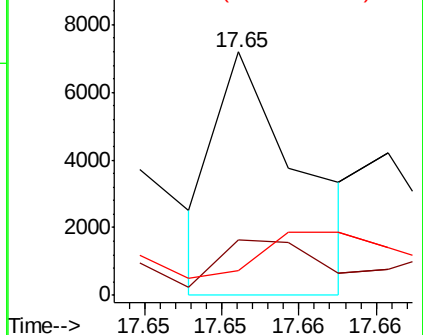
91 0.0 22.4 33.6#



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 0.006 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

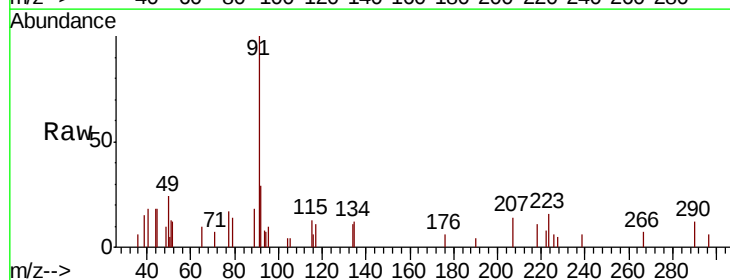
Tgt Ion: 91 Resp: 2974

Ion Ratio Lower Upper

91 100

92 183.7 44.2 66.2#

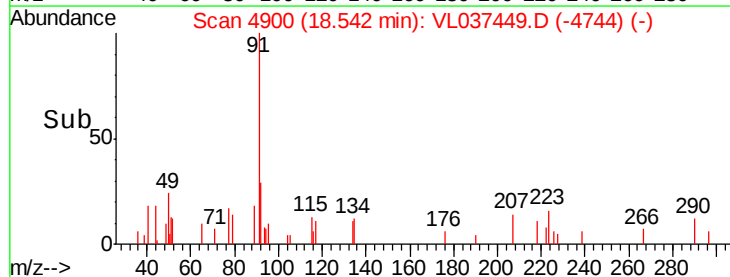
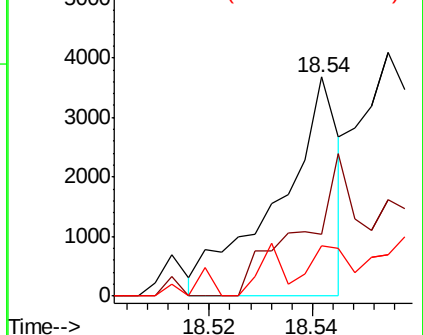
134 0.0 19.5 29.3#

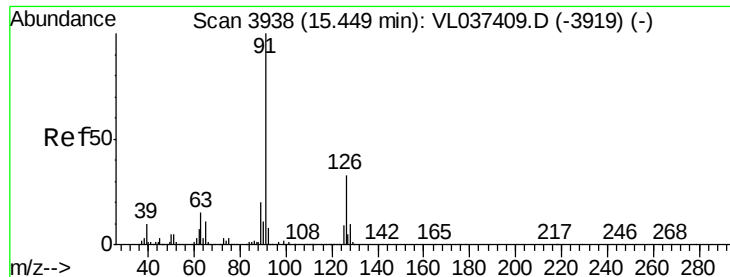


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

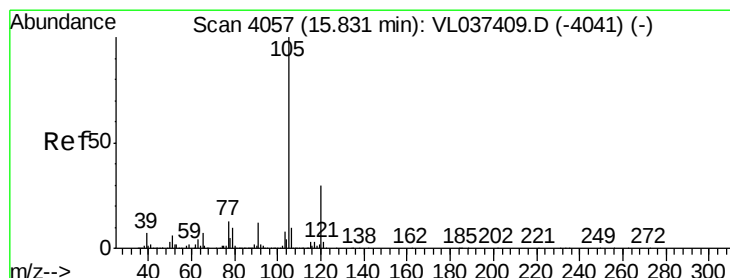
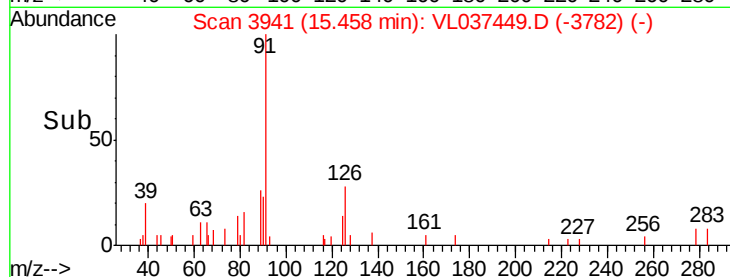
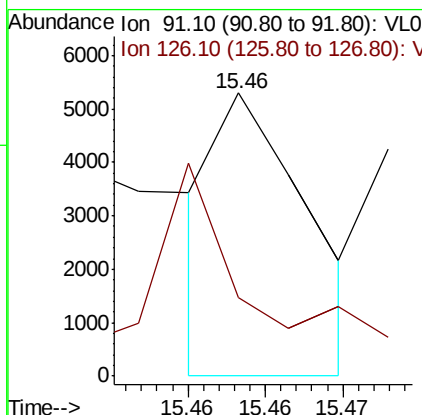
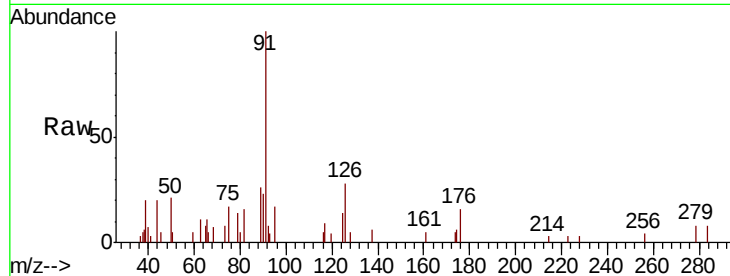




#71
2-Chlorotoluene
Concen: 0.006 ppbv
RT: 15.46 min Scan# 3941
Delta R.T. 0.01 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

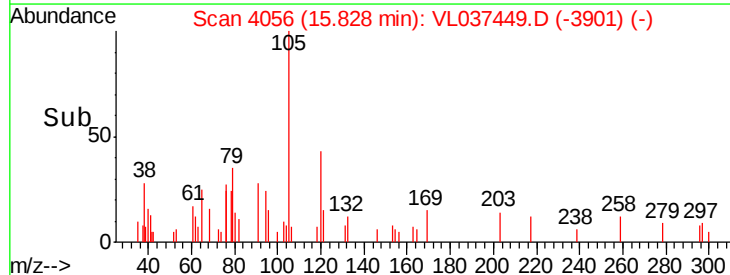
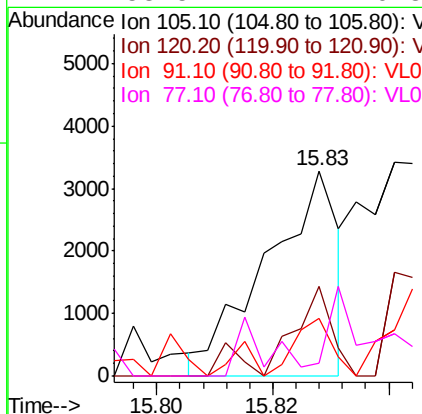
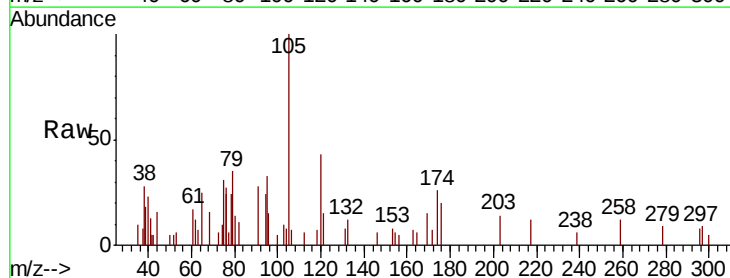
Instrument :
MSVOA_L
ClientSampleId :

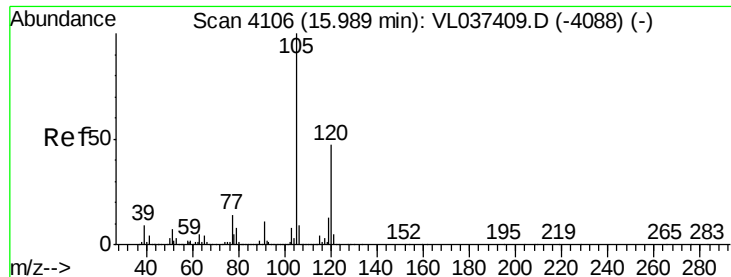
Tot Ion: 91 Resp: 2165
Ion Ratio Lower Upper
91 100
126 195.3 13.5 53.9#



#72
4-Ethyltoluene
Concen: 0.007 ppbv
RT: 15.83 min Scan# 4056
Delta R.T. -0.00 min
Lab File: VL037449.D
Acq: 13 Aug 2021 15:13

Tgt Ion: 105 Resp: 2814
Ion Ratio Lower Upper
105 100
120 0.0 25.0 37.4#
91 0.0 11.2 16.8#
77 58.5 11.2 16.8#

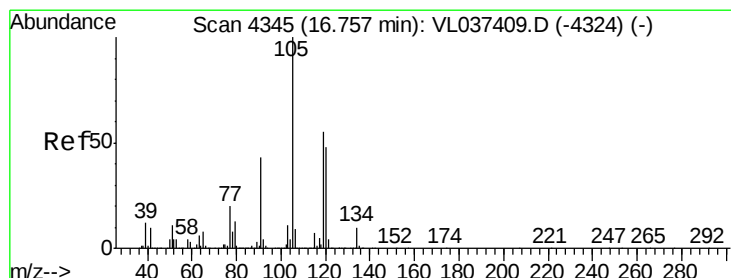
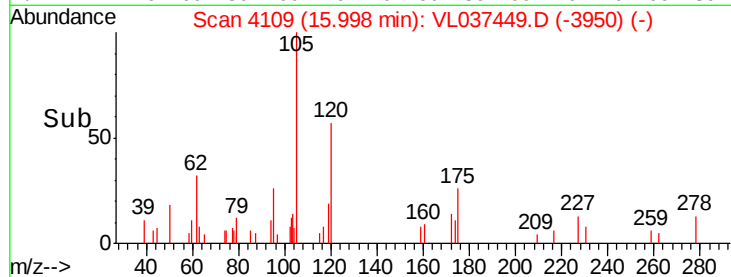
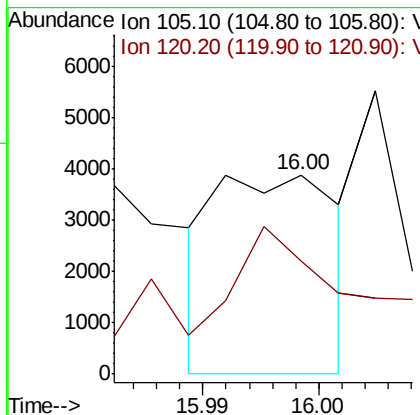
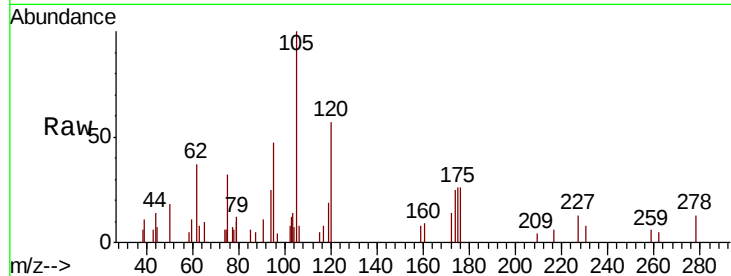




#73
 1,3,5-Trimethylbenzene
 Concen: 0.007 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. 0.01 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

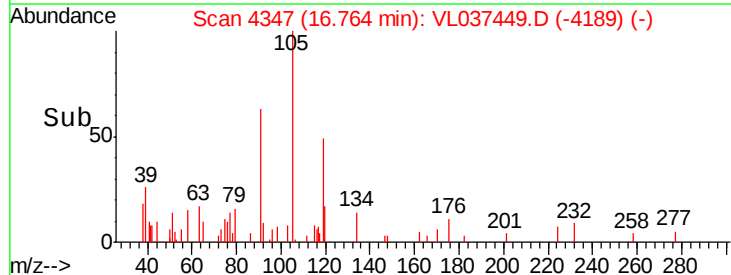
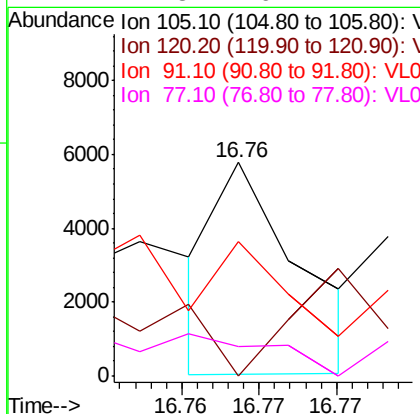
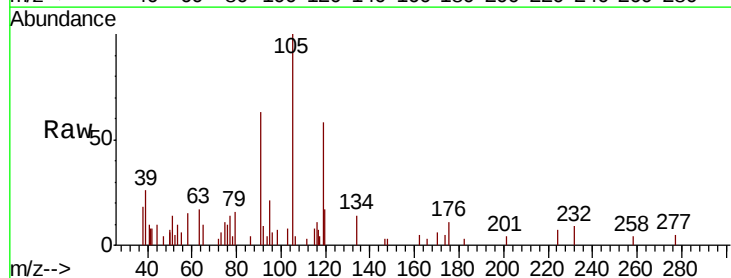
Instrument :
 MSVOA_L
 ClientSampleId :

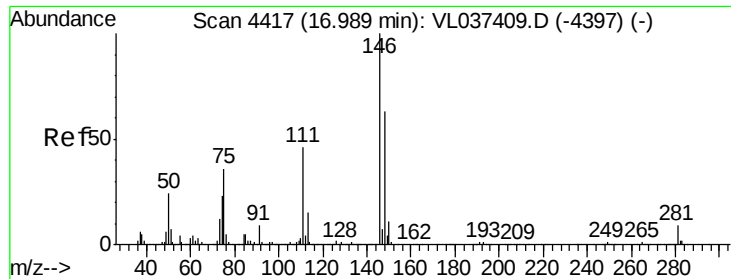
Tot Ion:105 Resp: 2822
 Ion Ratio Lower Upper
 105 100
 120 138.2 37.4 56.0#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.005 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.01 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Tgt Ion:105 Resp: 2135
 Ion Ratio Lower Upper
 105 100
 120 0.0 38.2 57.2#
 91 75.3 35.4 53.2#
 77 22.8 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 0.011 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampled :

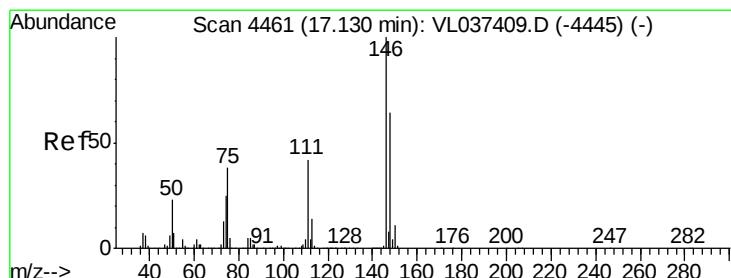
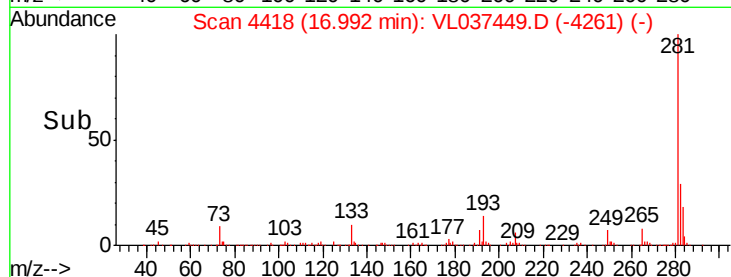
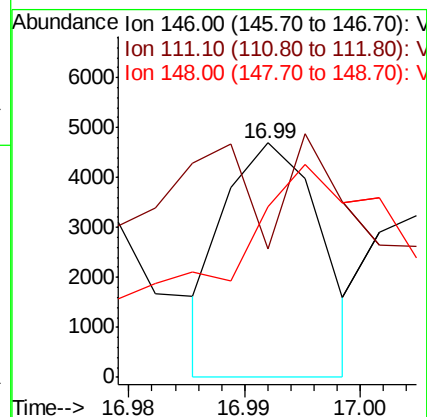
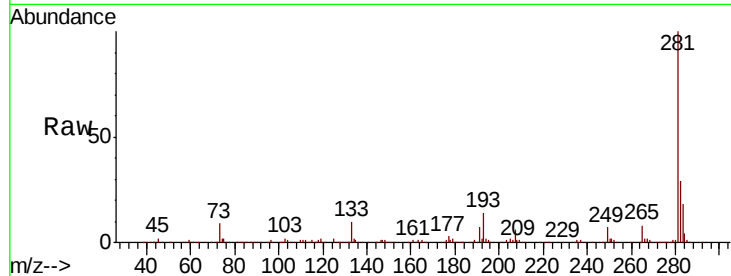
Tot Ion:146 Resp: 2715

Ion Ratio Lower Upper

146 100

111 477.7 22.9 68.7#

148 386.2 32.0 96.2#



#76

1,4-Dichlorobenzene

Concen: 0.010 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. 0.01 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

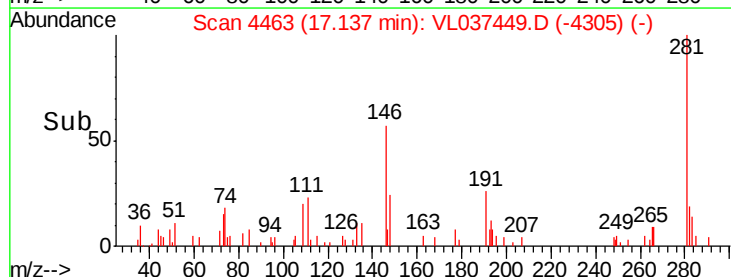
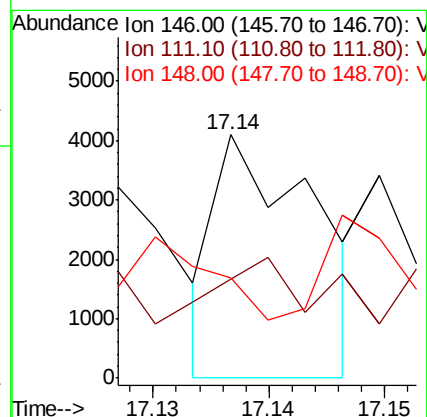
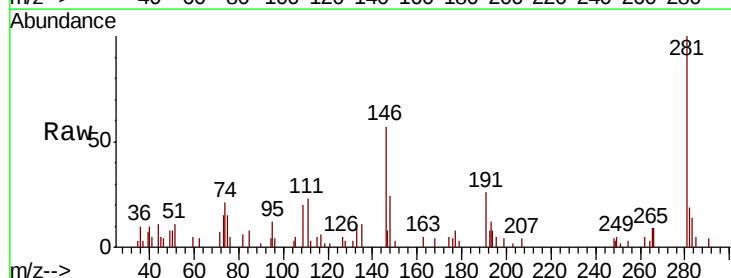
Tgt Ion:146 Resp: 2438

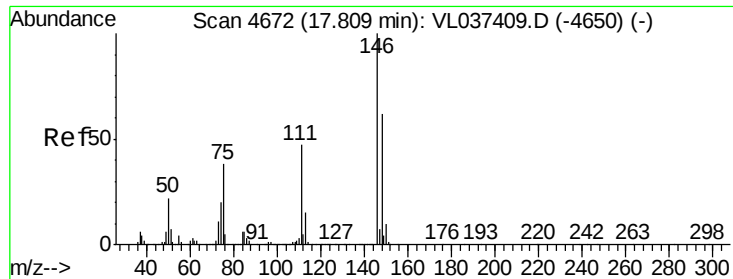
Ion Ratio Lower Upper

146 100

111 189.1 22.8 68.4#

148 0.0 34.0 102.0#

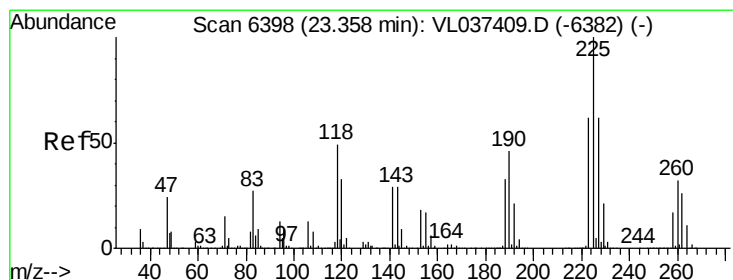
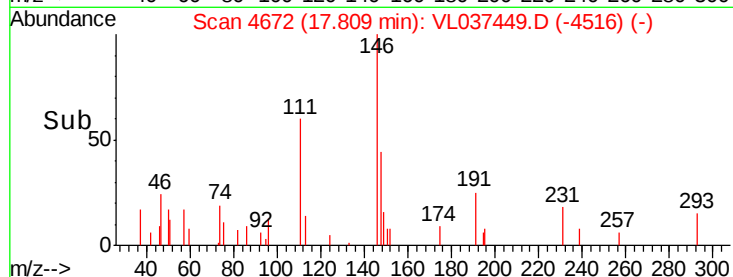
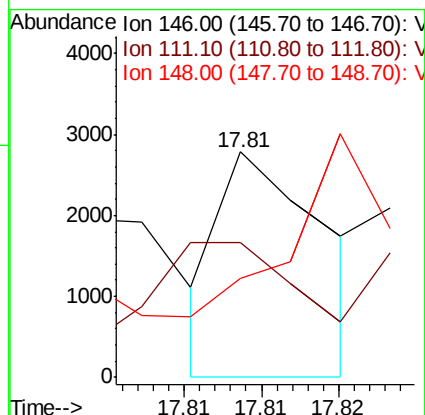
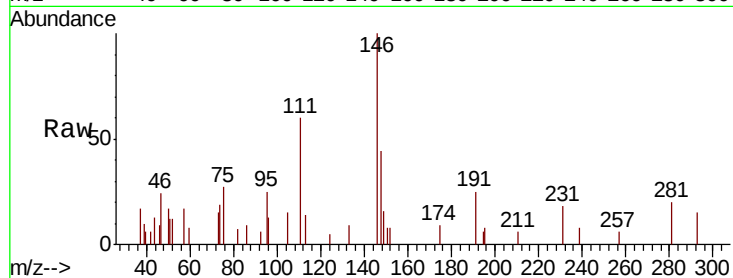




#77
 1,2-Dichlorobenzene
 Concen: 0.006 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. 0.00 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

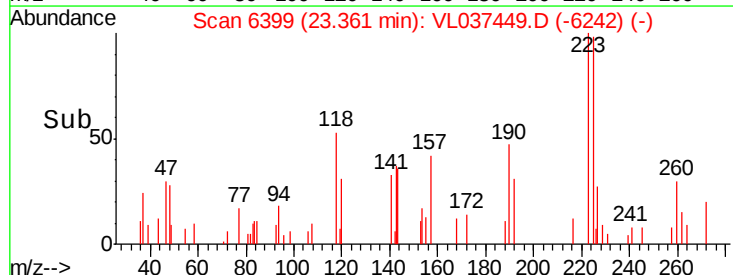
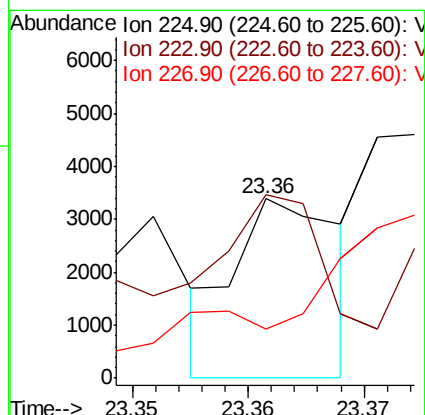
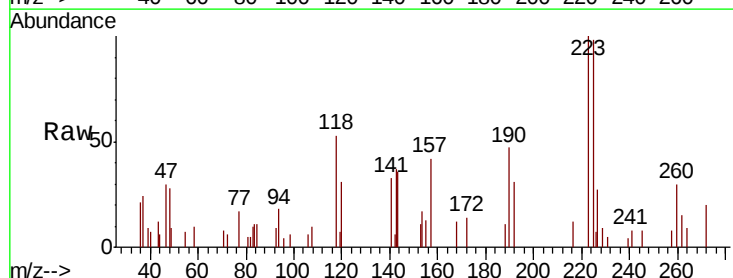
Instrument :
 MSVOA_L
 ClientSampled :

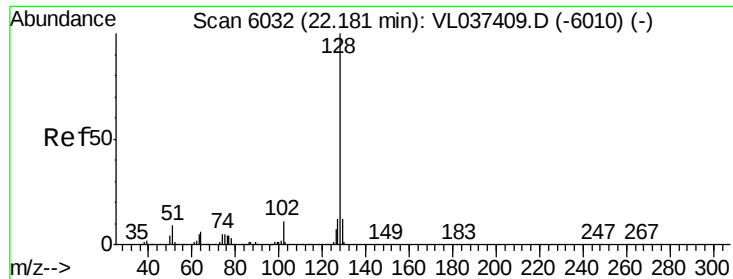
Tot Ion:146 Resp: 1293
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.8 71.5#
 148 0.0 32.5 97.4#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.011 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. 0.00 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Tgt Ion:225 Resp: 2134
 Ion Ratio Lower Upper
 225 100
 223 283.6 51.2 76.8#
 227 0.0 52.2 78.4#





#79

Naphthalene

Concen: 0.001 ppbv

RT: 22.18 min Scan# 6033

Delta R.T. 0.00 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

Instrument :

MSVOA_L

ClientSampleId :

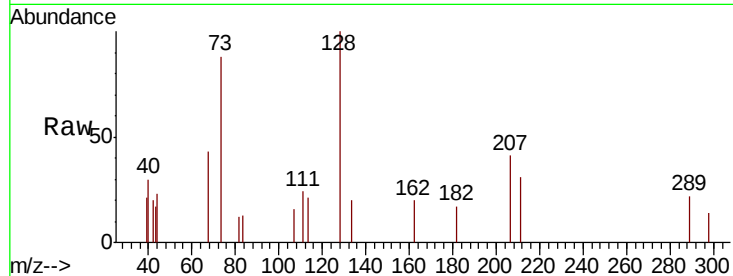
Tot Ion:128 Resp: 283

Ion Ratio Lower Upper

128 100

127 0.0 9.9 14.9#

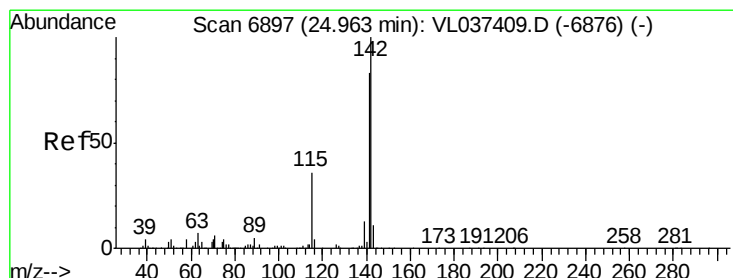
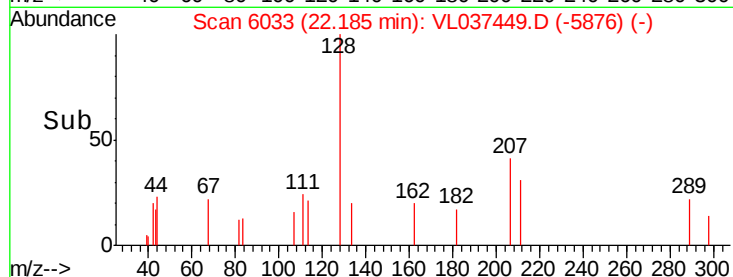
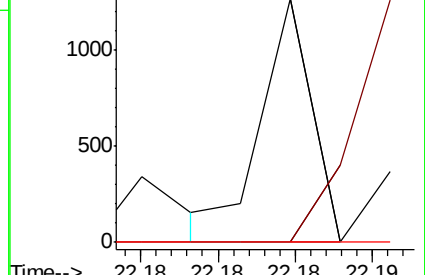
129 0.0 9.4 14.0#



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: 0.004 ppbv

RT: 25.05 min Scan# 6923

Delta R.T. 0.08 min

Lab File: VL037449.D

Acq: 13 Aug 2021 15:13

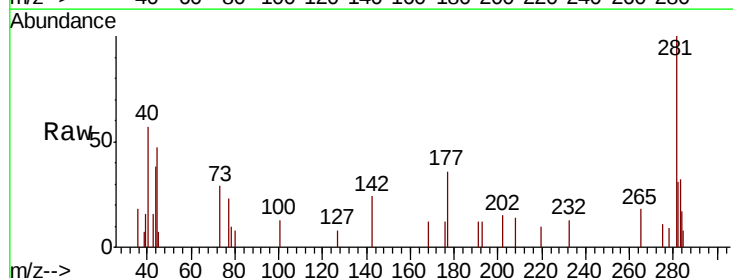
Tgt Ion:142 Resp: 180

Ion Ratio Lower Upper

142 100

141 16.7 68.7 103.1#

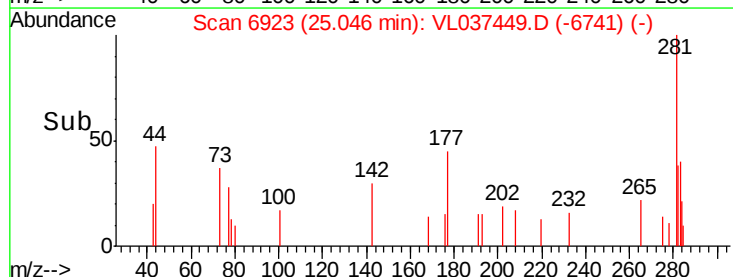
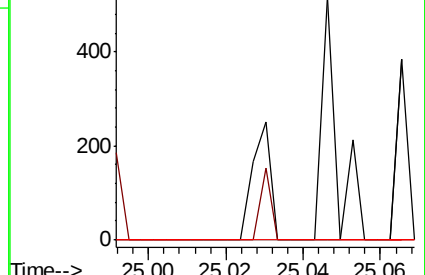
115 0.0 32.7 49.1#

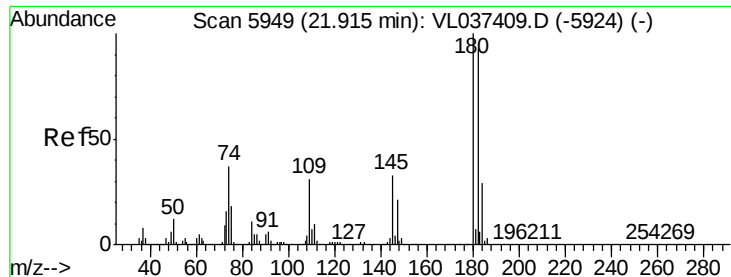


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

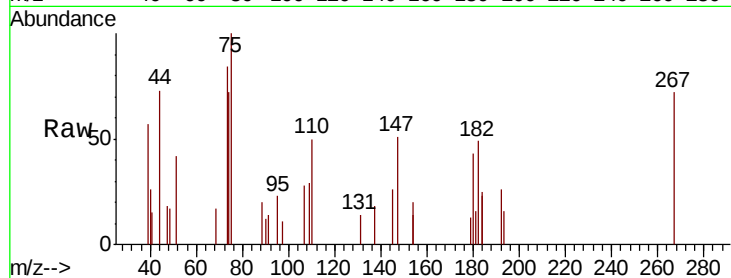




#81
 1,2,4-Trichlorobenzene
 Concen: 0.001 ppbv
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.01 min
 Lab File: VL037449.D
 Acq: 13 Aug 2021 15:13

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 217
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.6 118.0#
 184 0.0 24.6 36.8#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

