

Data File : VL037413.D

Acq On : 12 Aug 2021 13:32

Operator : SY/AP

Sample : VSTDIC0.1

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Quant Time: Aug 12 14:35:55 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 11:34:23 2021

QLast Update : Thu Aug 12 11:34:23 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1189948	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3846649	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3321246	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2489252	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.19	85	13590	0.063	ppbv	97
3) Chlorodifluoromethane	2.99	51	32598	0.147	ppbv	93
4) Chloromethane	3.14	50	2477	0.030	ppbv #	76
5) Vinyl Chloride	3.26	62	9355	0.112	ppbv #	77
6) Bromomethane	3.47	94	931	0.020	ppbv #	31
7) Chloroethane	3.56	64	2155	0.076	ppbv #	76
8) Dichlorotetrafluoroethane	3.19	85	13749	0.073	ppbv #	1
9) Propene	3.01	41	11633	0.154	ppbv #	61
10) Heptane	8.12	43	6817	0.038	ppbv #	1
11) Trichlorofluoromethane	3.95	101	24525	0.136	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.49	101	10937	0.085	ppbv #	49
13) Ethanol	3.63	45	1010	0.111	ppbv #	39
14) Bromoethene	3.74	108	4478	0.076	ppbv #	5
15) Acetone	3.89	43	28796	0.254	ppbv #	44
16) 1,3-Butadiene	3.33	39	5375	0.067	ppbv #	4
17) tert-Butyl alcohol	4.29	59	497	0.005	ppbv #	72
18) 1,1-Dichloroethene	4.29	96	5303	0.091	ppbv #	71
19) Isopropyl Alcohol	3.94	45	167	0.003	ppbv #	92
20) Methylene Chloride	4.35	84	7735	0.126	ppbv #	50
21) Allyl Chloride	4.41	41	4364	0.049	ppbv #	20
22) trans-1,2-Dichloroethene	4.89	96	5536	0.100	ppbv #	57
23) Vinyl Acetate	5.07	43	3107	0.017	ppbv #	23
24) 1,1-Dichloroethane	5.02	63	5046	0.035	ppbv #	92
25) Ethyl Acetate	5.68	43	5382	0.019	ppbv #	75
26) Hexane	5.69	57	6576	0.045	ppbv #	1
27) Carbon Disulfide	4.55	76	6210	0.050	ppbv #	64
28) Methyl tert-Butyl Ether	5.06	73	11391	0.073	ppbv #	52
29) Chloroform	5.75	83	20407	0.097	ppbv #	63
30) Cyclohexane	7.13	84	3380	0.028	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	2801	0.021	ppbv #	62
32) 1,1,1-Trichloroethane	6.51	97	8052	0.039	ppbv #	22
34) 2-Butanone	5.24	43	3543	0.024	ppbv #	54
35) Carbon Tetrachloride	7.01	117	10018	0.047	ppbv	94
36) Benzene	6.89	78	23102	0.076	ppbv #	85
37) 1,2-Dichloroethane	6.30	62	6563	0.042	ppbv #	51
38) Trichloroethene	7.83	130	10829	0.083	ppbv #	50
39) 1,2-Dichloropropane	7.17	63	913255	8.184	ppbv #	28
40) 1,4-Dioxane	7.84	88	226	0.008	ppbv #	100
41) Tetrahydrofuran	6.04	42	67	0.001	ppbv #	34
42) Bromodichloromethane	7.78	83	6383	0.029	ppbv #	84
43) Methyl Methacrylate	8.01	69	1811	0.017	ppbv #	1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 11:34:23 2021

QLast Update : Thu Aug 12 11:34:23 2021

Response via : Initial Calibration

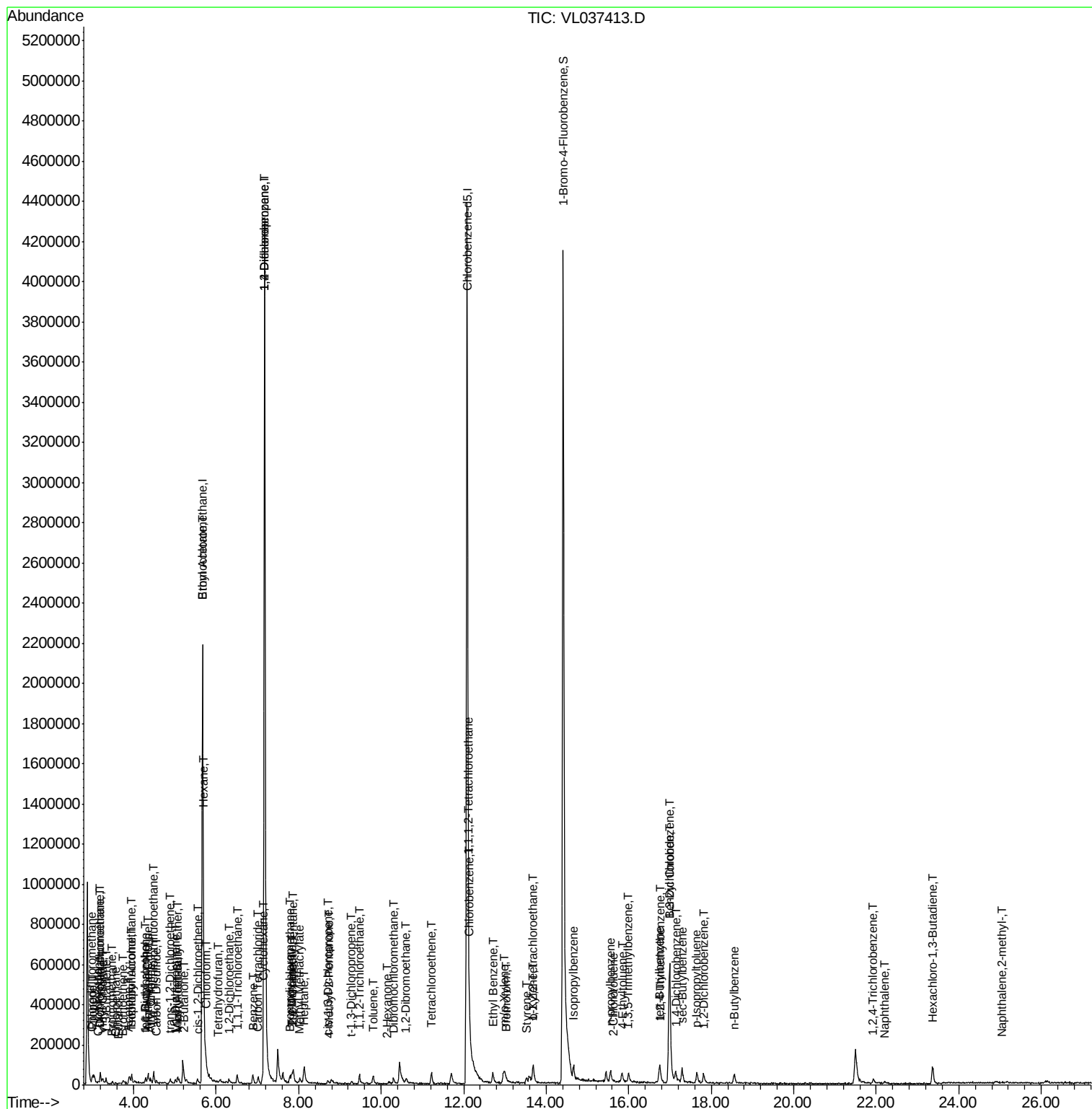
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	24749	0.049	ppbv #	1
45) t-1,3-Dichloropropene	9.27	75	803	0.010	ppbv	92
46) cis-1,3-Dichloropropene	8.71	75	4708	0.044	ppbv #	52
47) 1,1,2-Trichloroethane	9.47	97	6979	0.055	ppbv #	40
48) Dibromochloromethane	10.30	129	4078	0.022	ppbv #	1
49) Bromoform	13.03	173	6598	0.045	ppbv #	27
50) 4-Methyl-2-Pentanone	8.74	43	185	0.001	ppbv #	38
51) 2-Hexanone	10.15	43	224	0.003	ppbv #	28
52) Tetrachloroethene	11.22	164	4838	0.039	ppbv #	47
53) Toluene	9.80	91	17403	0.049	ppbv #	30
54) 1,2-Dibromoethane	10.61	107	6802	0.038	ppbv	90
56) 1,1,1,2-Tetrachloroethane	12.12	131	6643	0.052	ppbv #	6
57) Chlorobenzene	12.14	112	12899	0.050	ppbv #	66
58) Ethyl Benzene	12.71	91	21608	0.049	ppbv	99
59) m/p-Xylene	12.98	91	7852	0.021	ppbv #	31
60) o-Xylene	13.69	91	23246	0.066	ppbv #	29
61) Styrene	13.52	104	8160	0.045	ppbv #	28
62) Isopropylbenzene	14.66	105	7609	0.015	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.66	83	8329	0.031	ppbv #	24
64) n-propylbenzene	15.55	120	2602	0.021	ppbv #	1
65) tert-Butylbenzene	16.74	119	15774	0.035	ppbv #	1
66) Benzyl Chloride	16.98	91	986	0.052	ppbv #	1
67) sec-Butylbenzene	17.28	105	27511	0.045	ppbv #	42
69) p-Isopropyltoluene	17.65	119	28083	0.056	ppbv #	58
70) n-Butylbenzene	18.55	91	11645	0.025	ppbv #	32
71) 2-Chlorotoluene	15.62	91	835	0.002	ppbv	85
72) 4-Ethyltoluene	15.83	105	12538	0.030	ppbv #	54
73) 1,3,5-Trimethylbenzene	15.99	105	9117	0.024	ppbv #	69
74) 1,2,4-Trimethylbenzene	16.77	105	17533	0.045	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	9099	0.038	ppbv #	1
76) 1,4-Dichlorobenzene	17.13	146	11200	0.048	ppbv #	22
77) 1,2-Dichlorobenzene	17.81	146	9324	0.041	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.36	225	9359	0.051	ppbv #	18
79) Naphthalene	22.18	128	719	0.003	ppbv #	6
80) Naphthalene,2-methyl-	25.05	142	310	0.007	ppbv #	27
81) 1,2,4-Trichlorobenzene	21.91	180	1738	0.012	ppbv #	11

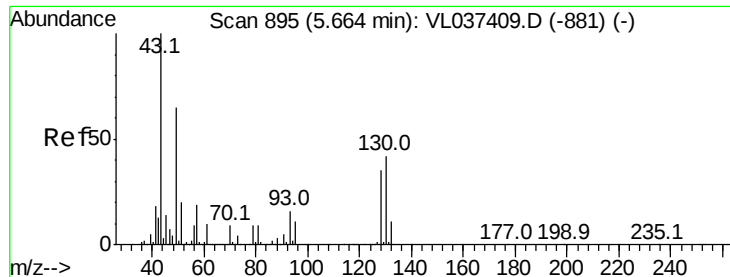
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

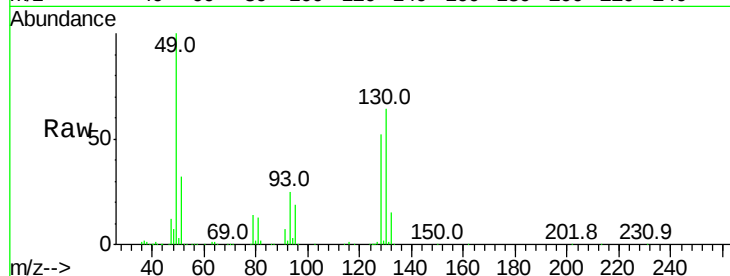
Tgt Ion: 49 Resp: 1189948

Ion Ratio Lower Upper

49 100

128 62.1 27.9 83.6

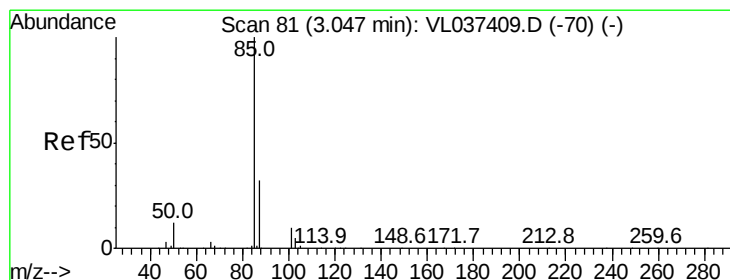
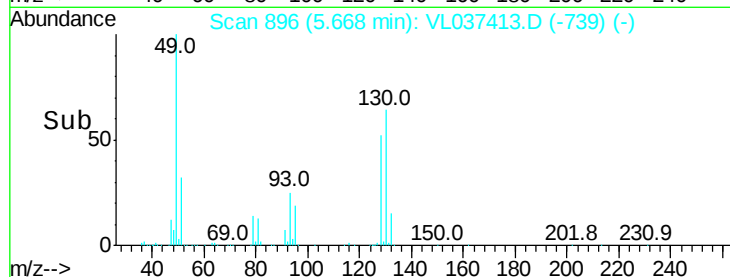
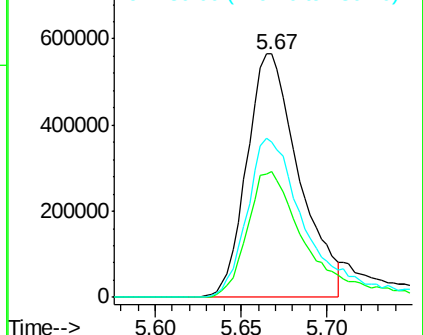
130 78.2 34.6 103.8



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: 0.063 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.14 min

Lab File: VL037413.D

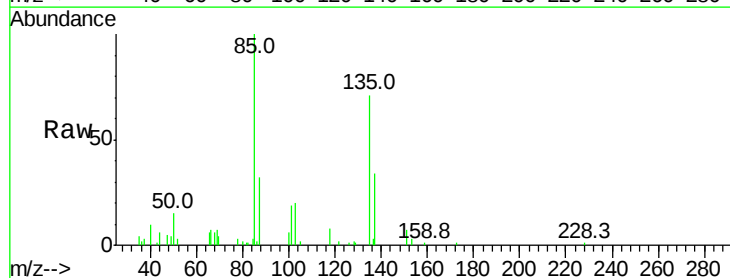
Acq: 12 Aug 2021 13:32

Tgt Ion: 85 Resp: 13590

Ion Ratio Lower Upper

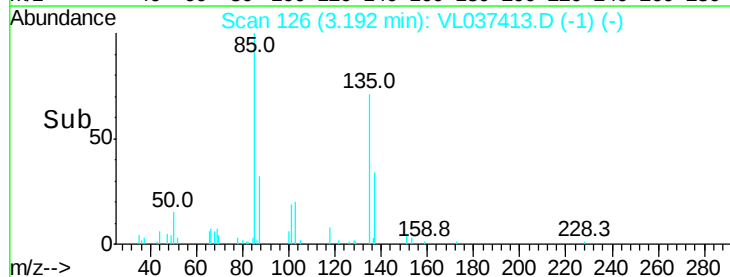
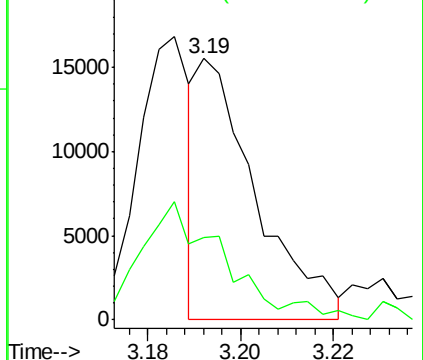
85 100

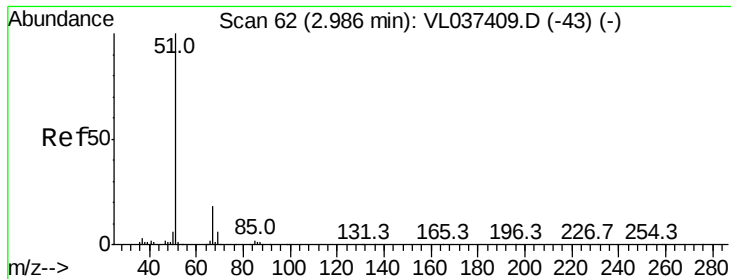
87 30.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.147 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

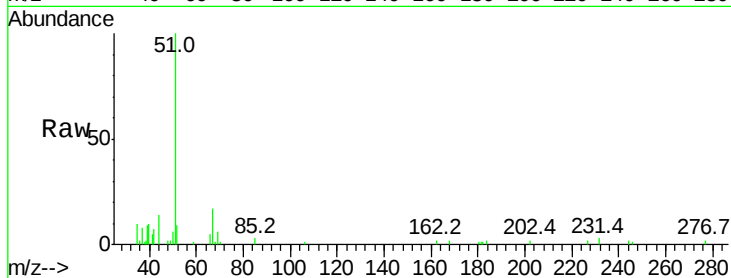
VSTDIC0.1

Tgt Ion: 51 Resp: 32598

Ion Ratio Lower Upper

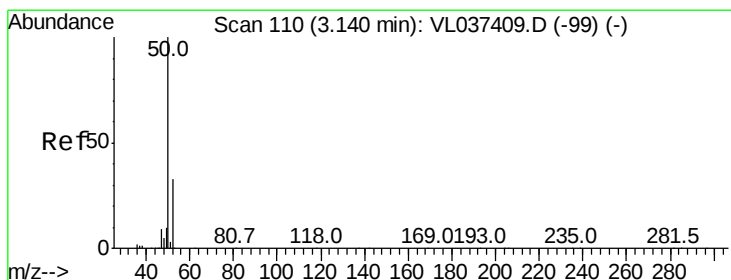
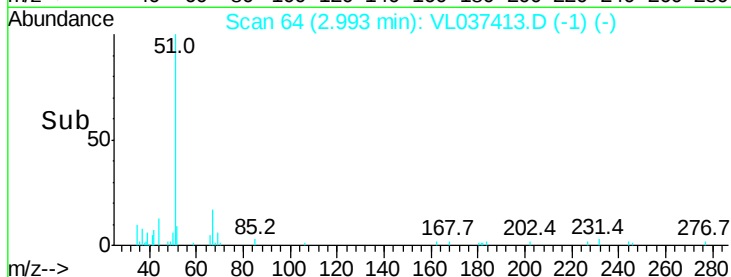
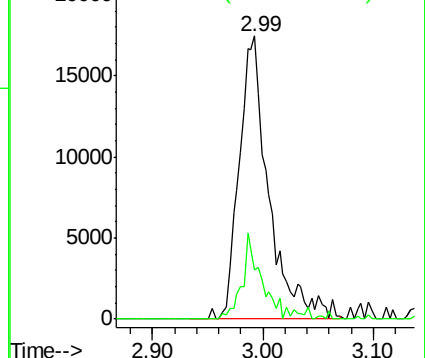
51 100

67 21.4 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: 0.030 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL037413.D

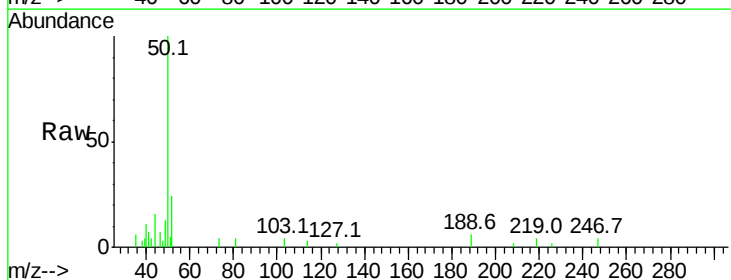
Acq: 12 Aug 2021 13:32

Tgt Ion: 50 Resp: 2477

Ion Ratio Lower Upper

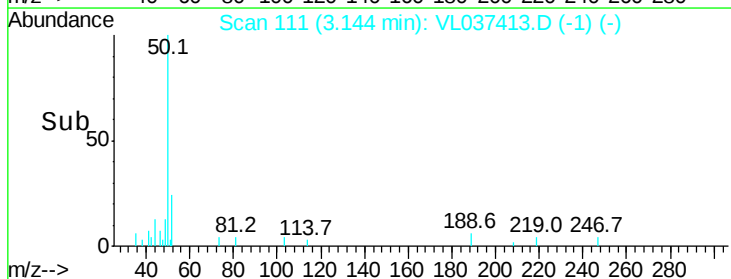
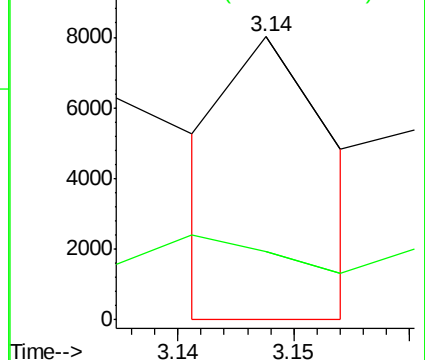
50 100

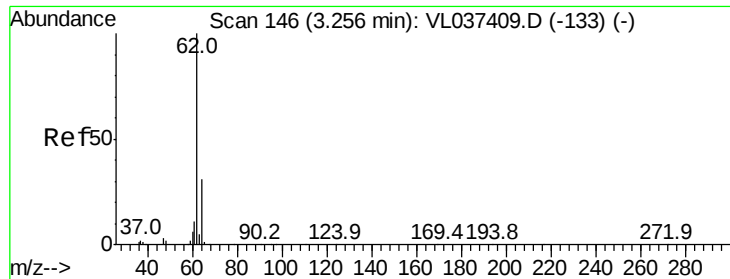
52 19.4 26.2 39.4#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.112 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 62 Resp: 9355

Ion Ratio Lower Upper

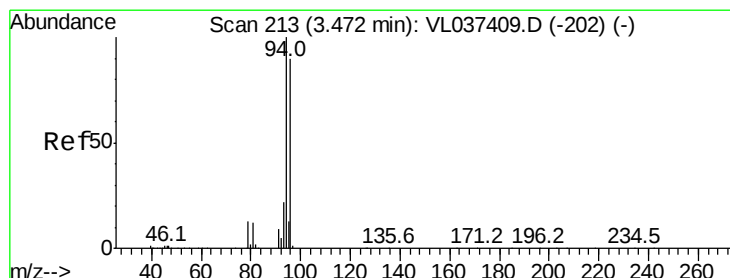
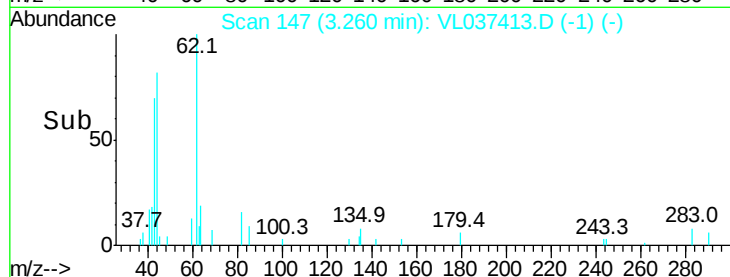
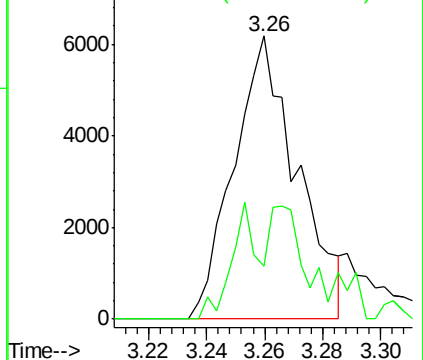
62 100

64 18.8 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: 0.020 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037413.D

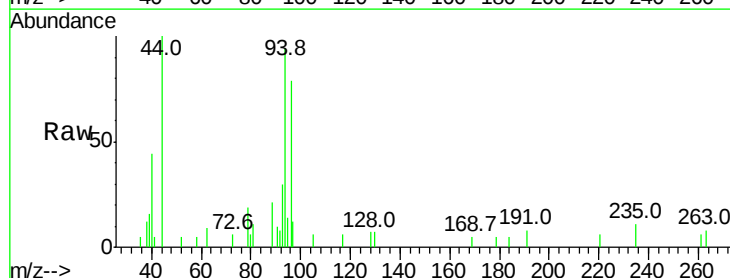
Acq: 12 Aug 2021 13:32

Tgt Ion: 94 Resp: 931

Ion Ratio Lower Upper

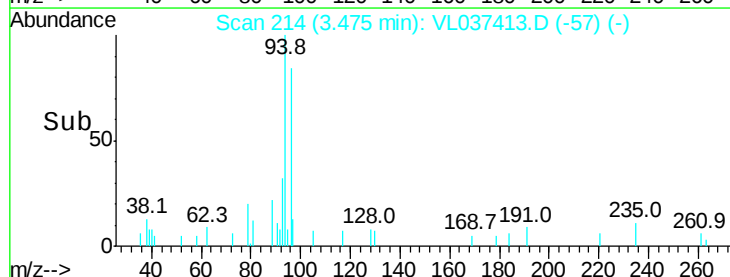
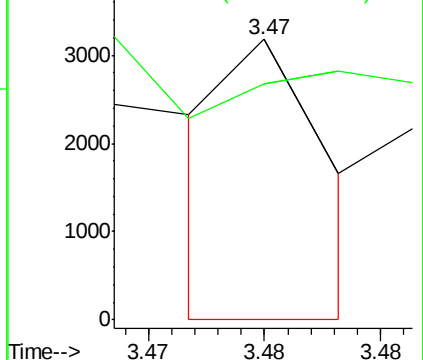
94 100

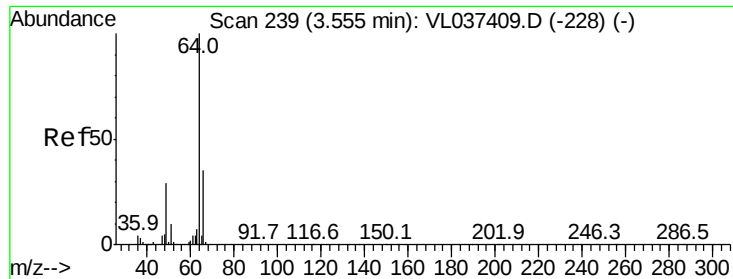
96 25.1 72.2 108.4#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.076 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

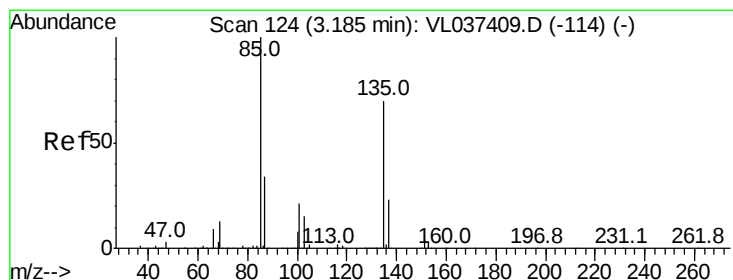
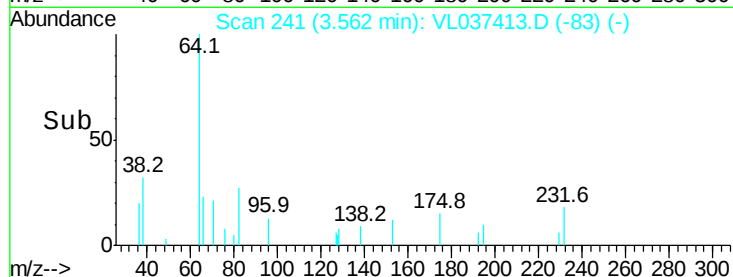
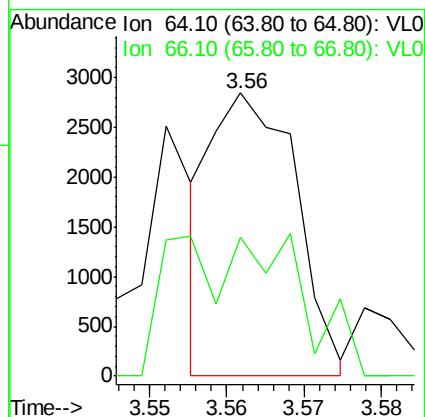
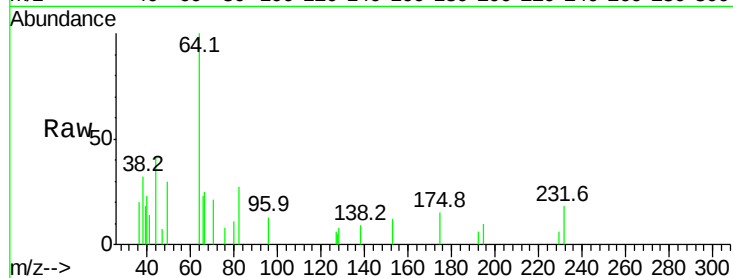
VSTDIC0.1

Tgt Ion: 64 Resp: 2155

Ion Ratio Lower Upper

64 100

66 48.9 27.8 41.8#



#8

Dichlorotetrafluoroethane

Concen: 0.073 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037413.D

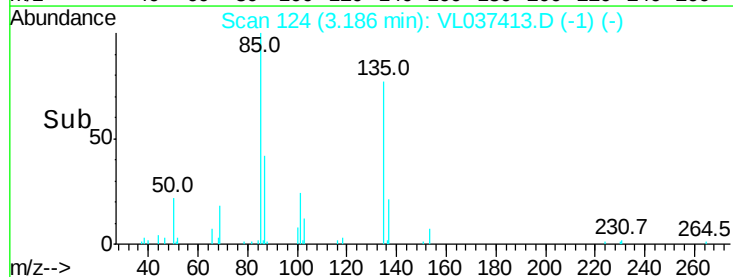
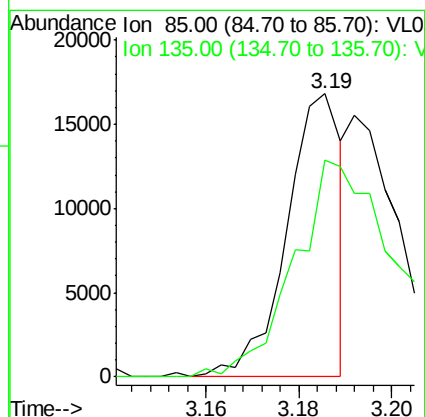
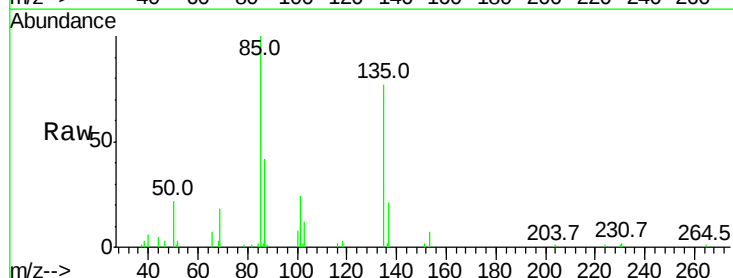
Acq: 12 Aug 2021 13:32

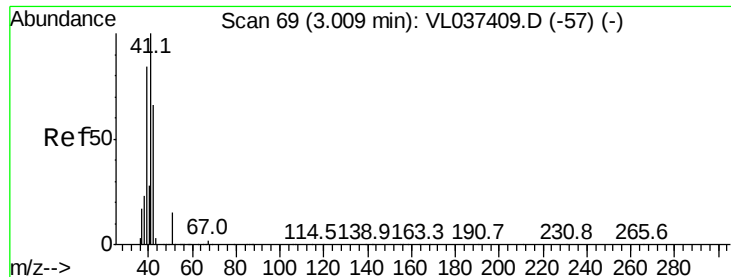
Tgt Ion: 85 Resp: 13749

Ion Ratio Lower Upper

85 100

135 159.0 58.6 88.0#





#9

Propene

Concen: 0.154 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

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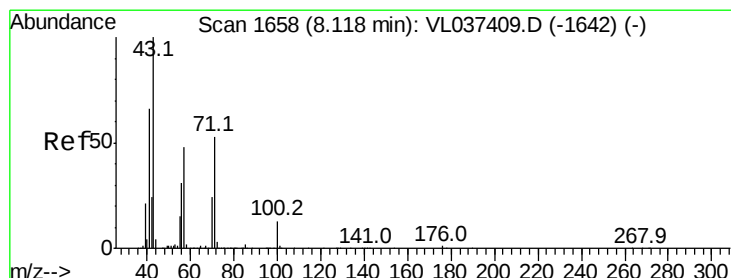
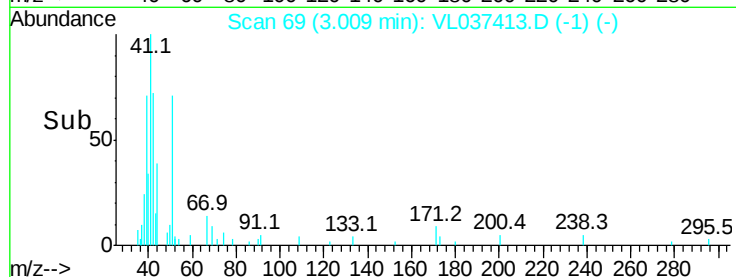
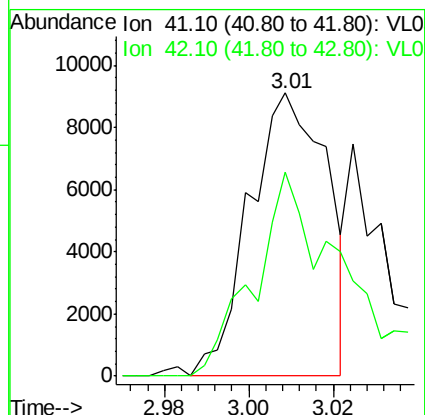
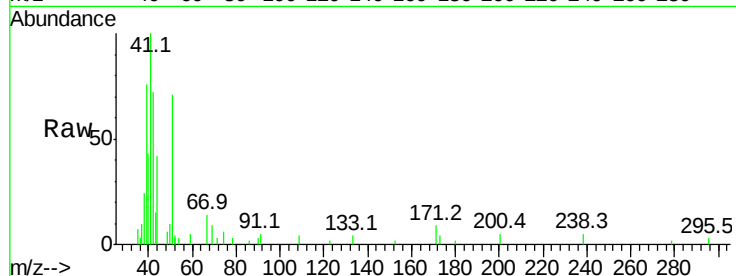
VSTDIC0.1

Tgt Ion: 41 Resp: 11633

Ion Ratio Lower Upper

41 100

42 98.9 53.8 80.8#



#10

Heptane

Concen: 0.038 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL037413.D

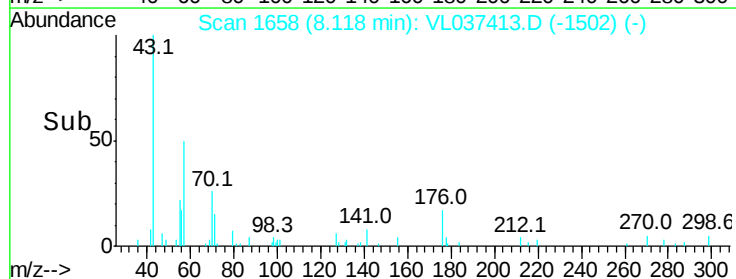
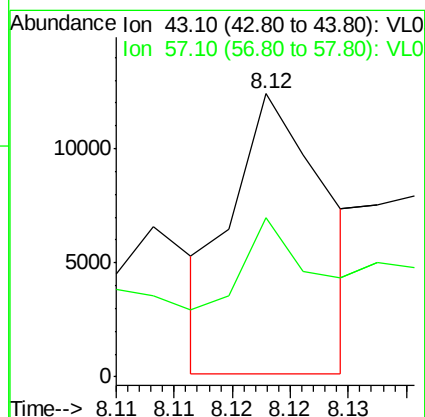
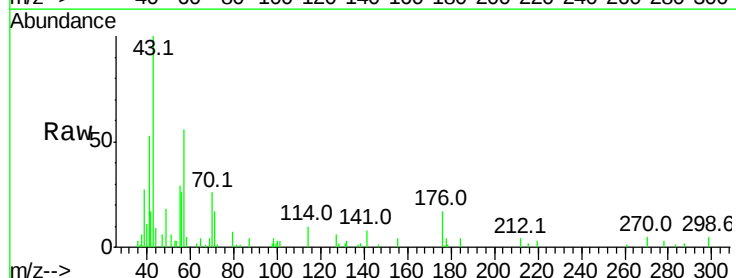
Acq: 12 Aug 2021 13:32

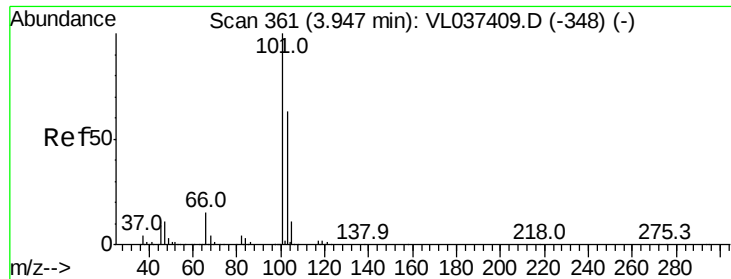
Tgt Ion: 43 Resp: 6817

Ion Ratio Lower Upper

43 100

57 190.5 40.3 60.5#

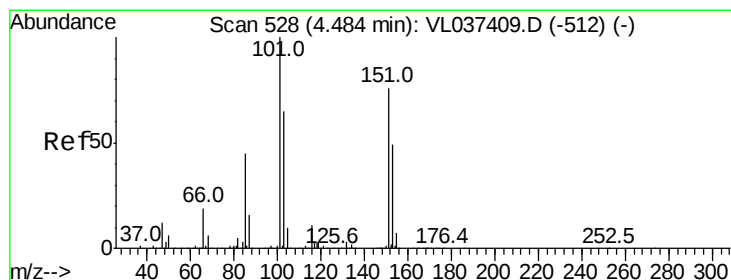
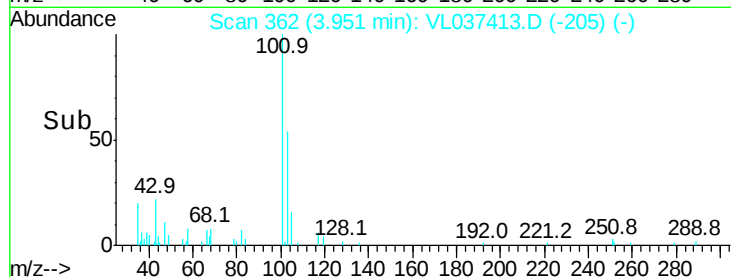
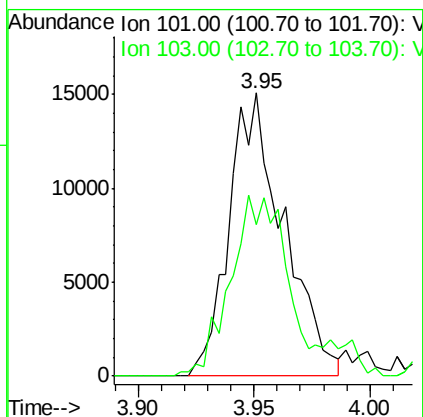
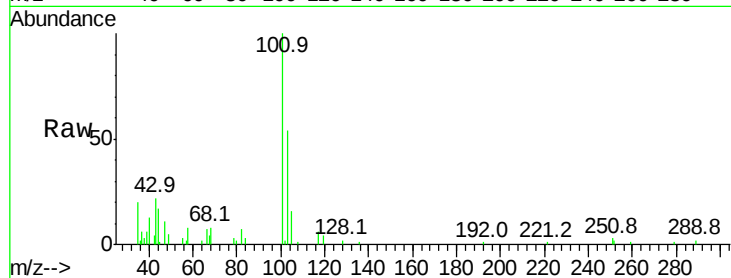




#11
 Trichlorofluoromethane
 Concen: 0.136 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

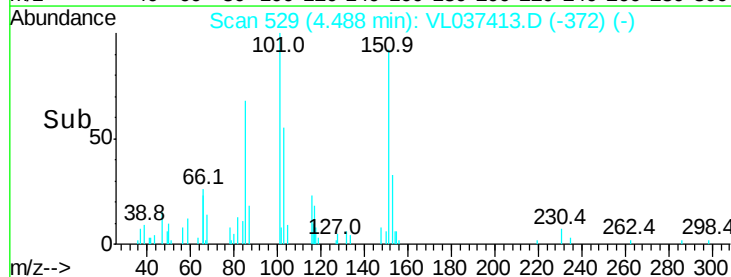
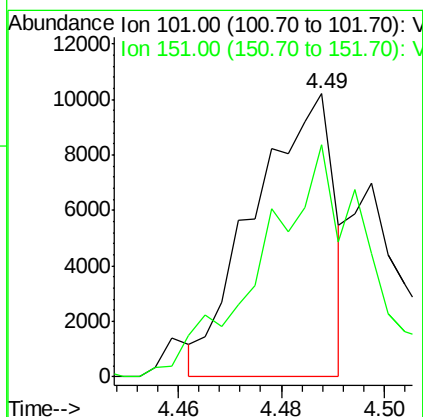
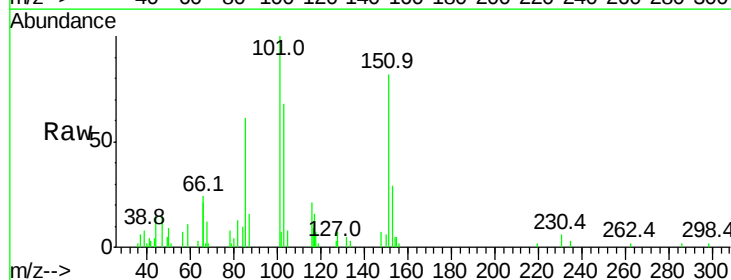
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

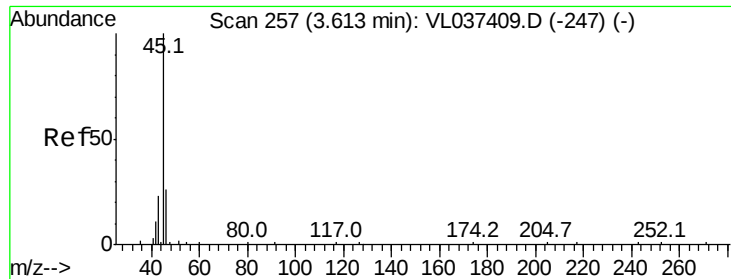
Tgt Ion:101 Resp: 24525
 Ion Ratio Lower Upper
 101 100
 103 52.1 50.2 75.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.085 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Tgt Ion:101 Resp: 10937
 Ion Ratio Lower Upper
 101 100
 151 120.8 61.2 91.8#





#13

Ethanol

Concen: 0.111 ppbv

RT: 3.63 min Scan# 263

Delta R.T. 0.02 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

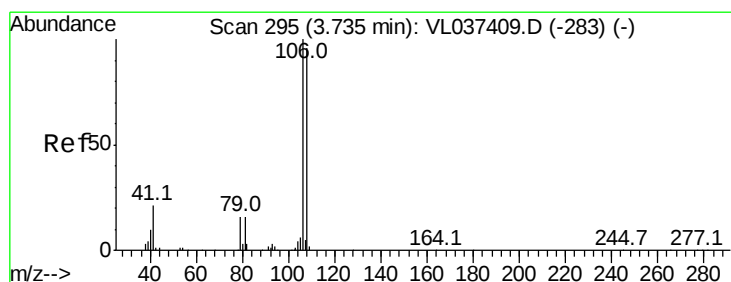
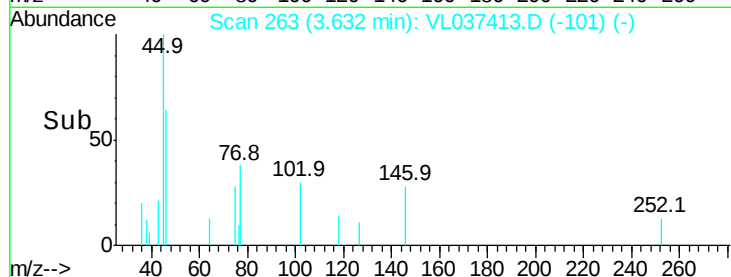
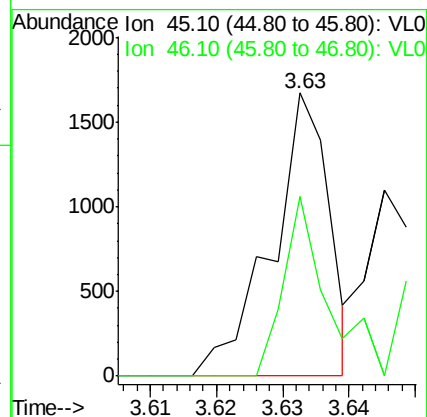
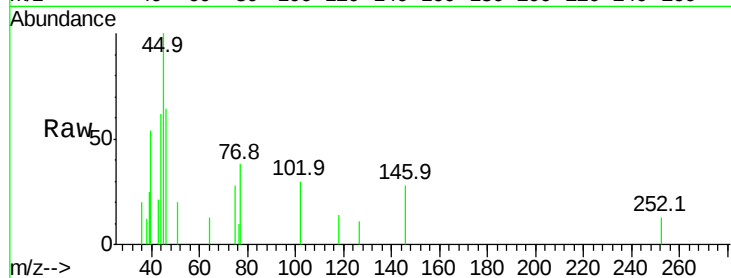
VSTDIC0.1

Tgt Ion: 45 Resp: 1010

Ion Ratio Lower Upper

45 100

46 85.0 18.0 72.2#



#14

Bromoethene

Concen: 0.076 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

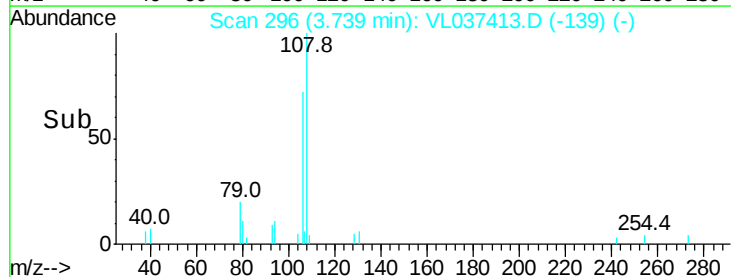
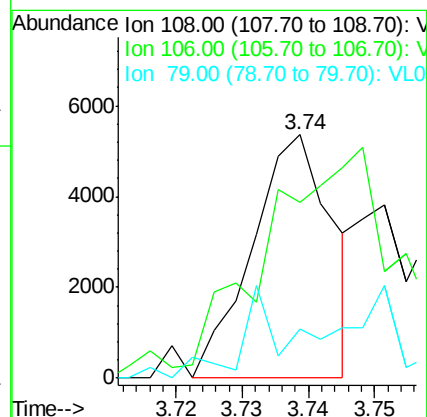
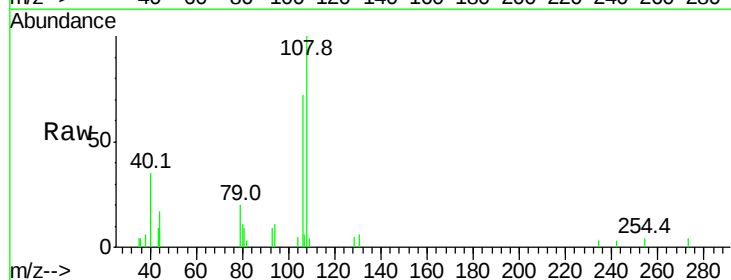
Tgt Ion: 108 Resp: 4478

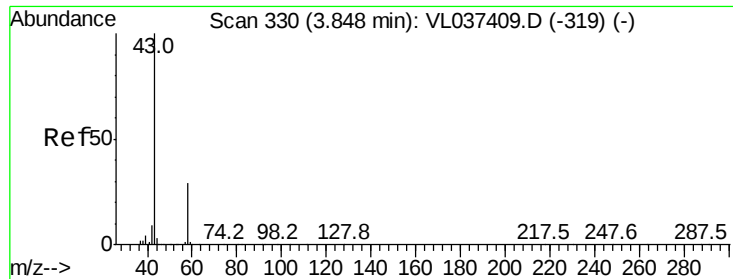
Ion Ratio Lower Upper

108 100

106 0.0 87.5 131.3#

79 0.0 13.5 20.3#





#15

Acetone

Concen: 0.254 ppbv

RT: 3.89 min Scan# 342

Delta R.T. 0.04 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

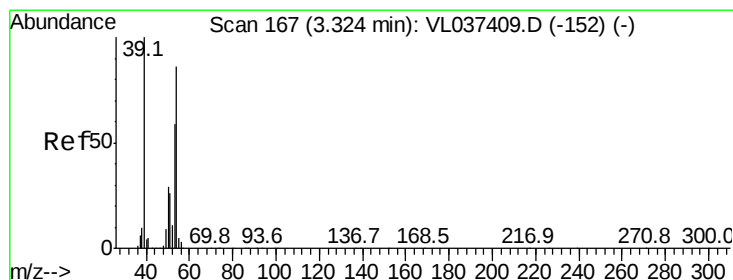
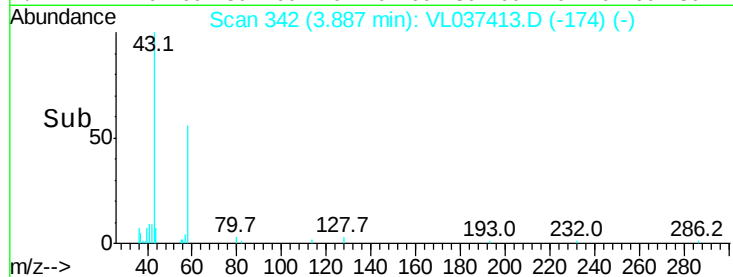
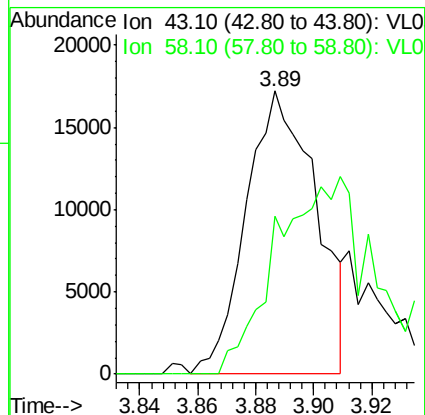
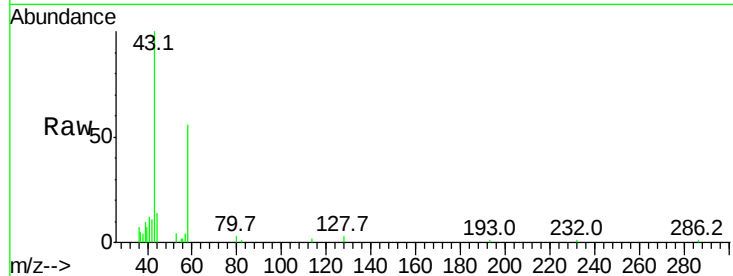
VSTDIC0.1

Tgt Ion: 43 Resp: 28796

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#16

1,3-Butadiene

Concen: 0.067 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL037413.D

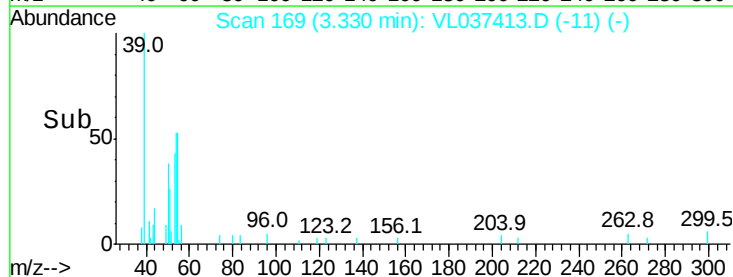
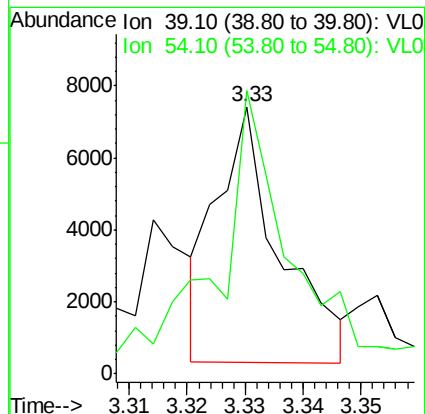
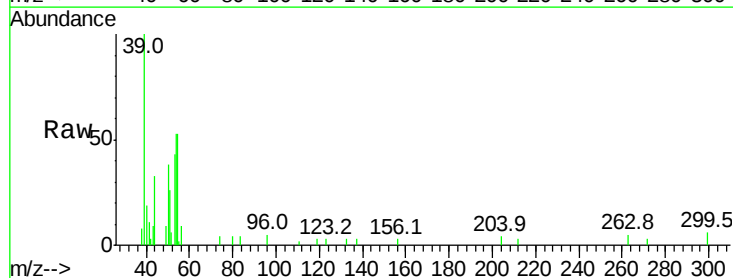
Acq: 12 Aug 2021 13:32

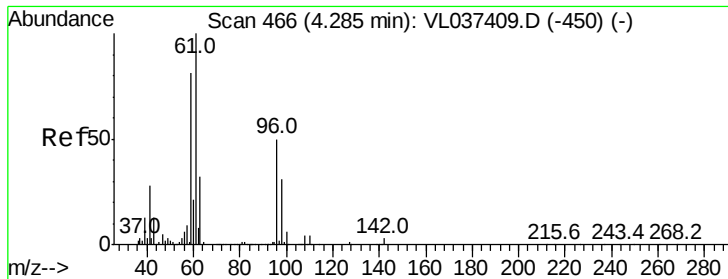
Tgt Ion: 39 Resp: 5375

Ion Ratio Lower Upper

39 100

54 159.8 61.4 92.0#





#17

tert-Butyl alcohol

Concen: 0.005 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

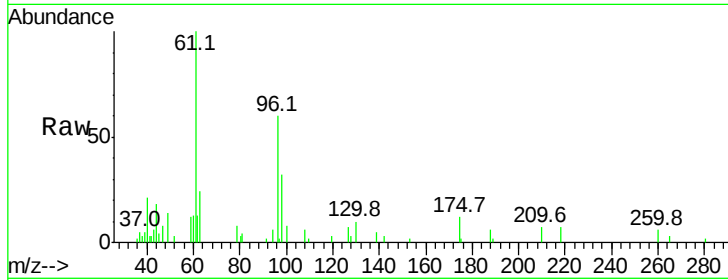
VSTDIC0.1

Tgt Ion: 59 Resp: 497

Ion Ratio Lower Upper

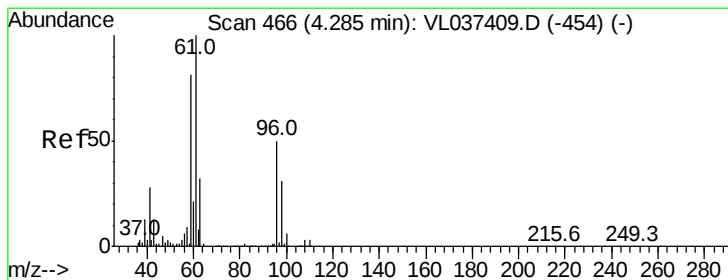
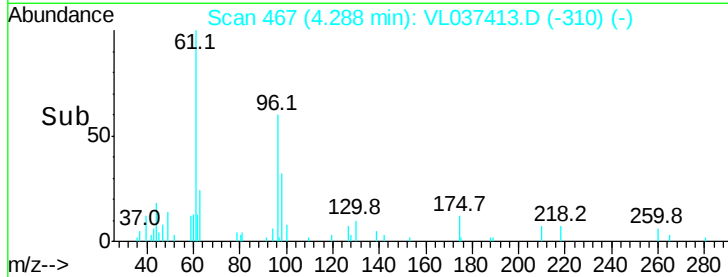
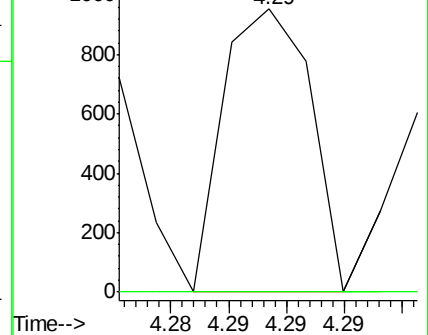
59 100

57 0.0 8.5 12.7#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.091 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

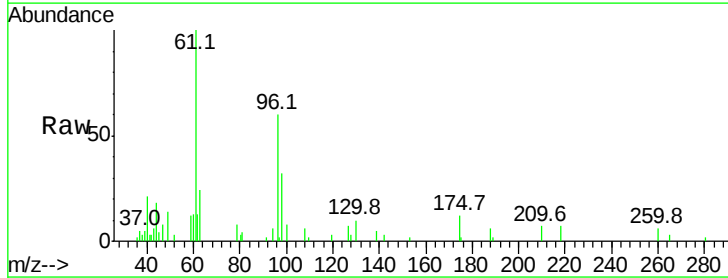
Tgt Ion: 96 Resp: 5303

Ion Ratio Lower Upper

96 100

61 149.9 159.0 238.4#

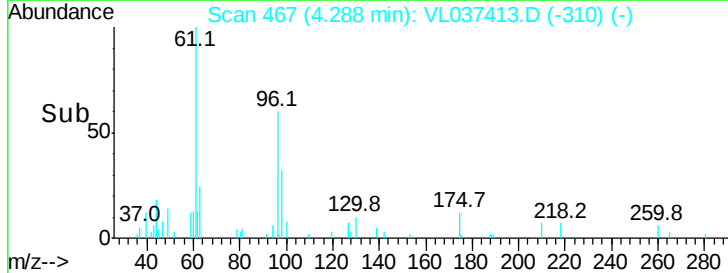
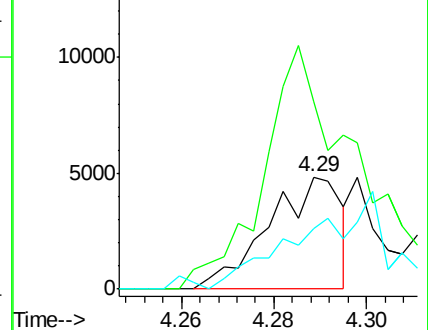
98 47.3 49.4 74.2#

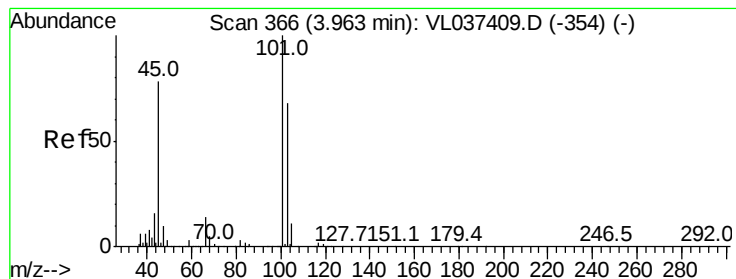


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.003 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

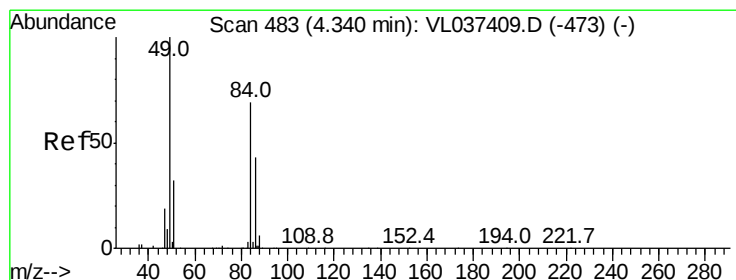
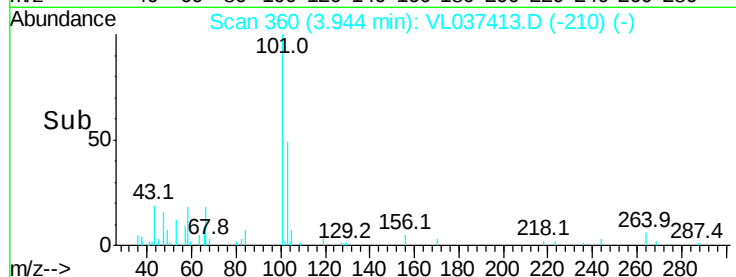
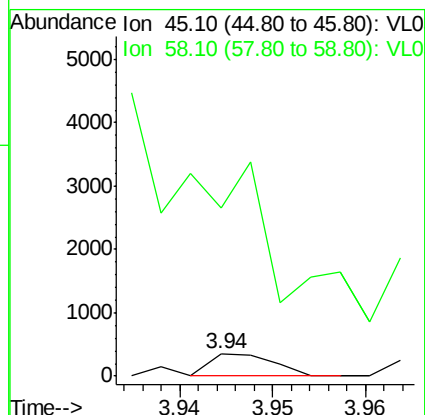
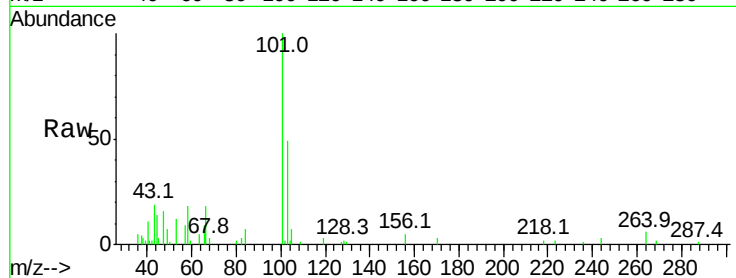
VSTDIC0.1

Tgt Ion: 45 Resp: 167

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.4#



#20

Methylene Chloride

Concen: 0.126 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Tgt Ion: 84 Resp: 7735

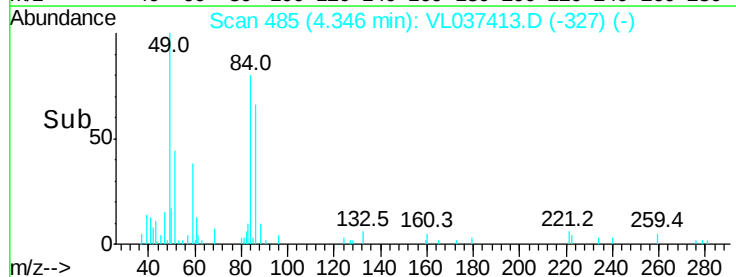
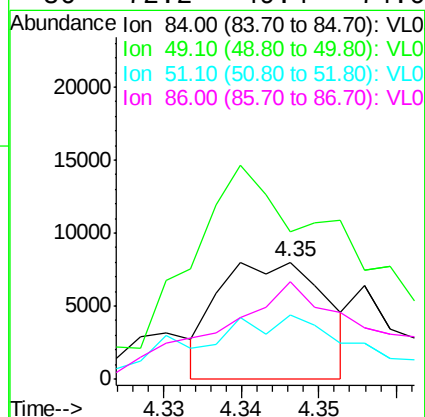
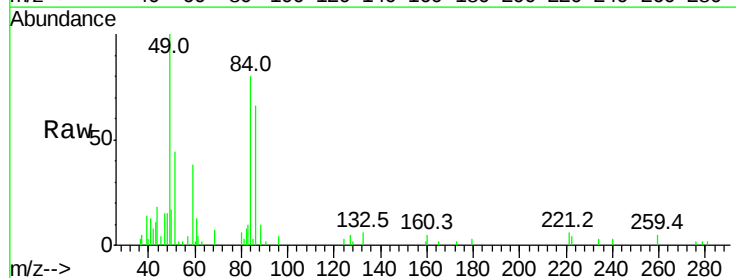
Ion Ratio Lower Upper

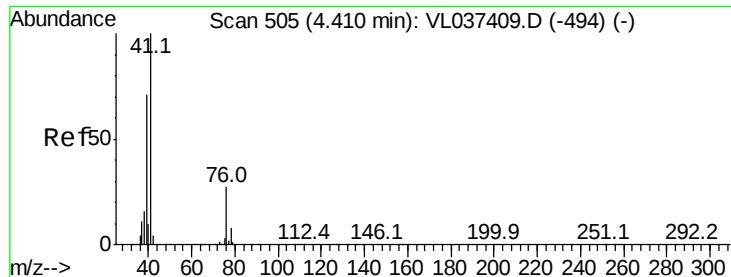
84 100

49 46.8 116.0 174.0#

51 42.9 37.1 55.7

86 72.2 49.4 74.0

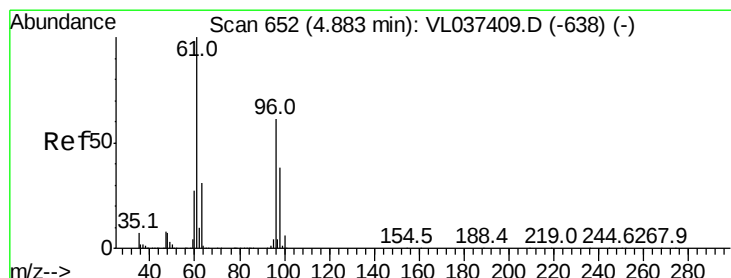
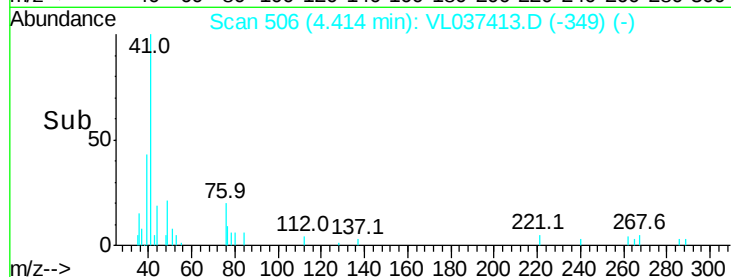
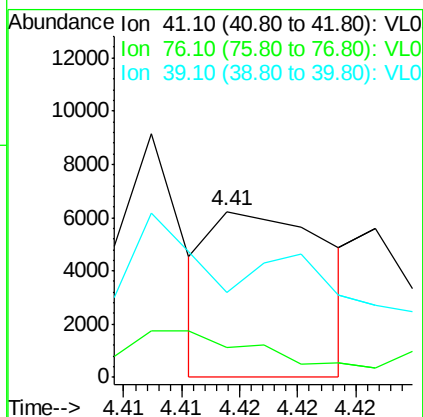
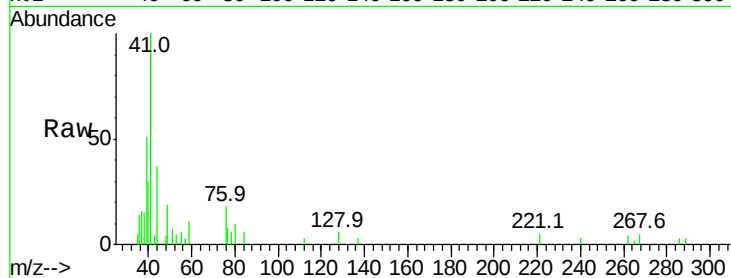




#21
 Allyl Chloride
 Concen: 0.049 ppbv
 RT: 4.41 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

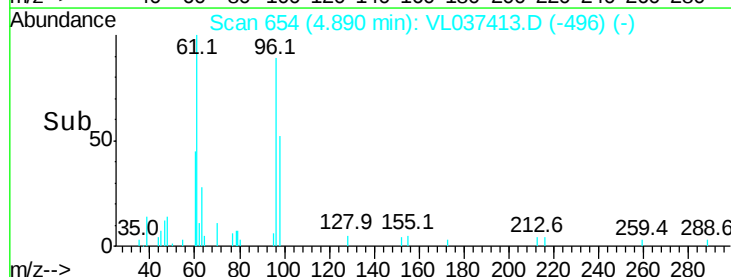
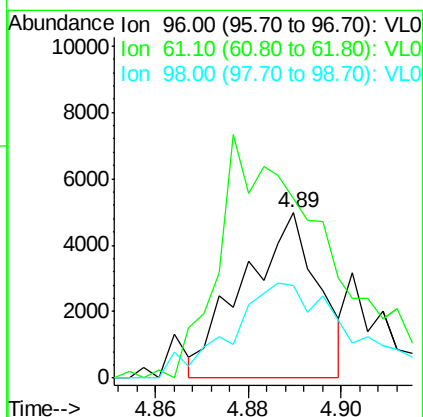
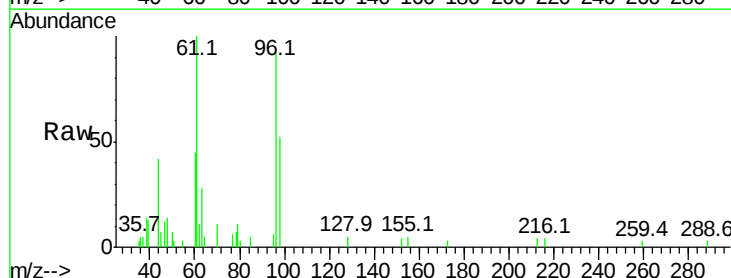
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

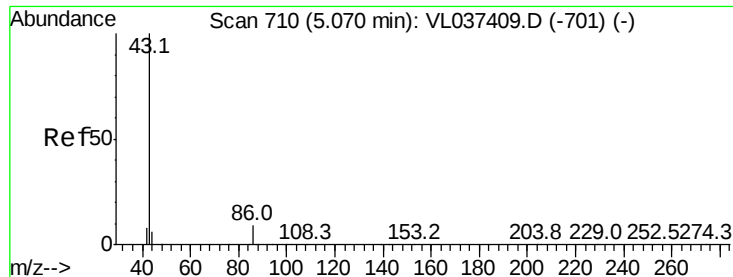
Tgt Ion: 41 Resp: 4364
 Ion Ratio Lower Upper
 41 100
 76 0.0 23.7 35.5#
 39 0.0 62.3 93.5#



#22
 trans-1,2-Dichloroethene
 Concen: 0.100 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.01 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Tgt Ion: 96 Resp: 5536
 Ion Ratio Lower Upper
 96 100
 61 88.6 131.0 196.4#
 98 55.9 50.2 75.4

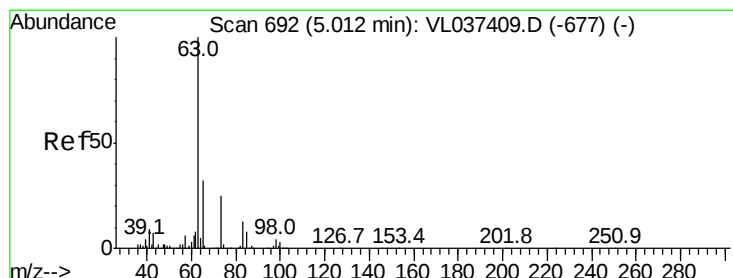
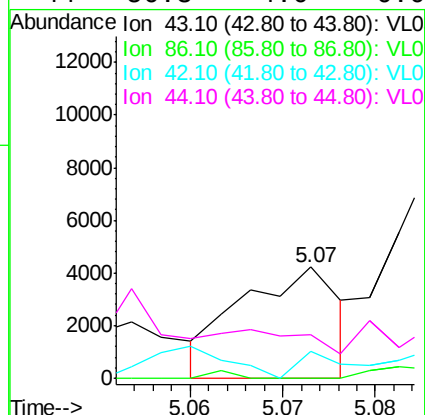
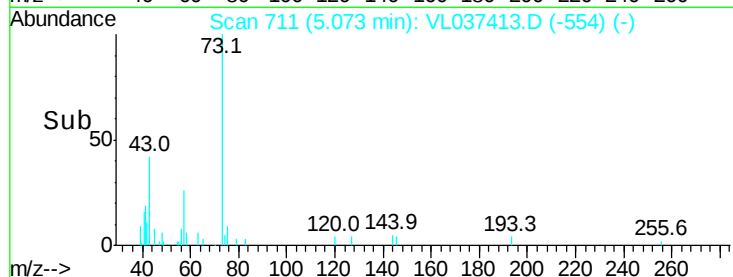
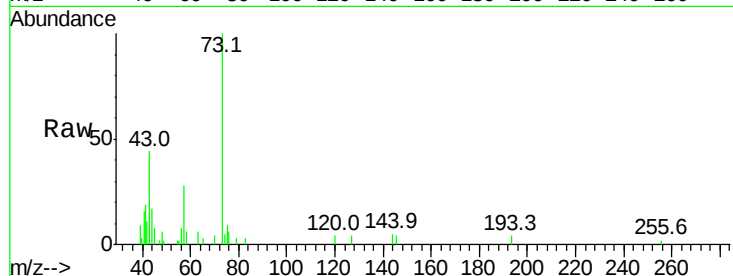




#23
 Vinyl Acetate
 Concen: 0.017 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

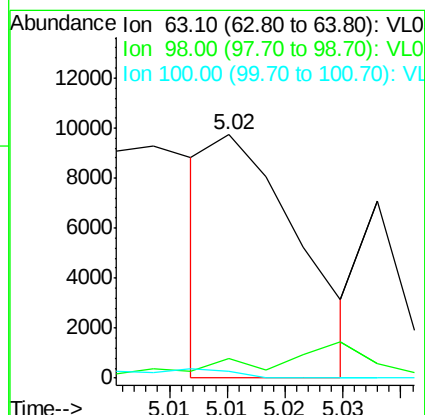
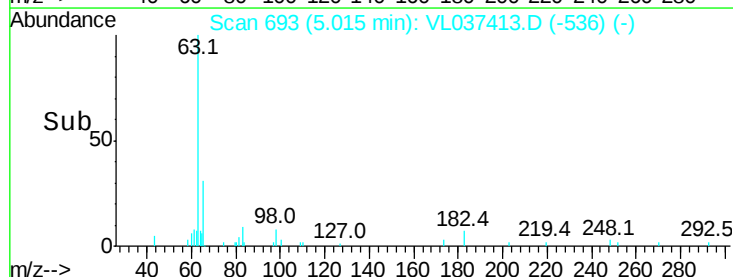
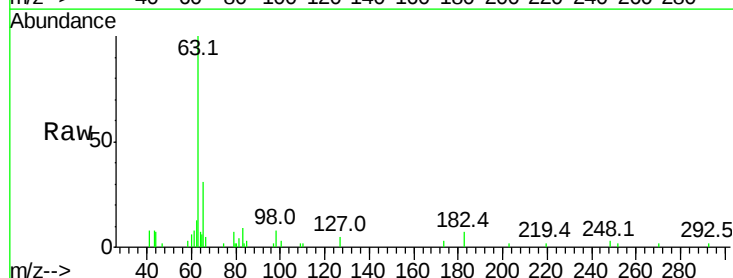
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

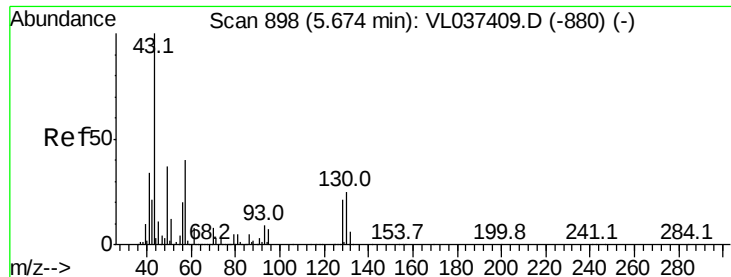
Tgt Ion:	43	Resp:	3107
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.8#
42	38.9	7.7	11.5#
44	56.3	4.0	6.0#



#24
 1,1-Dichloroethane
 Concen: 0.035 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Tgt Ion:	63	Resp:	5046
Ion	Ratio	Lower	Upper
63	100		
98	8.0	2.1	6.3#
100	3.9	1.6	4.7

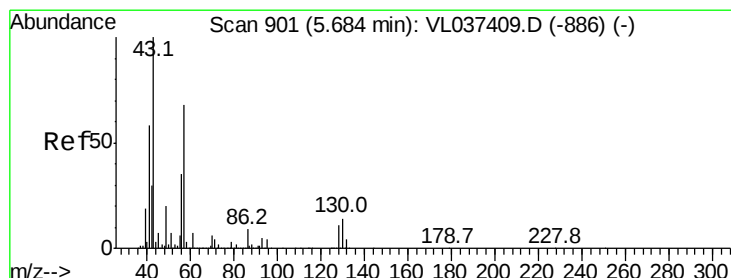
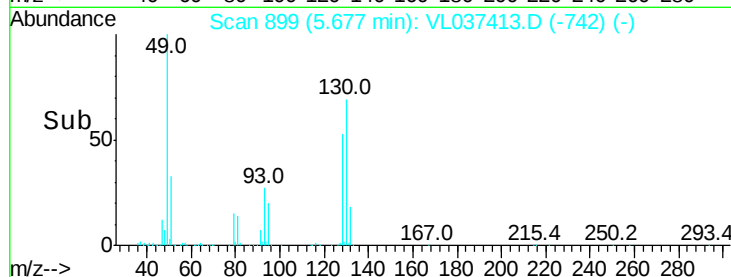
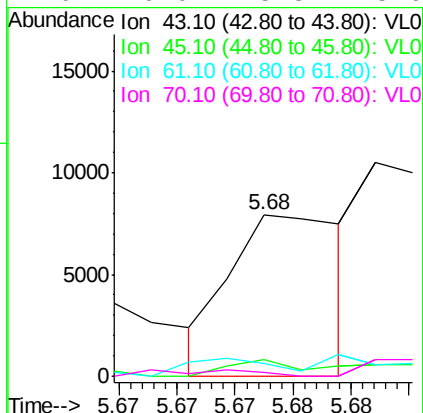
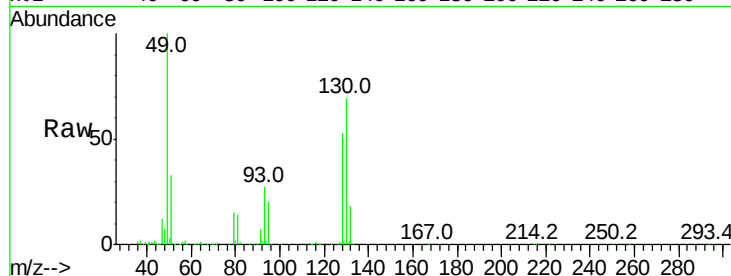




#25
Ethyl Acetate
Concen: 0.019 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

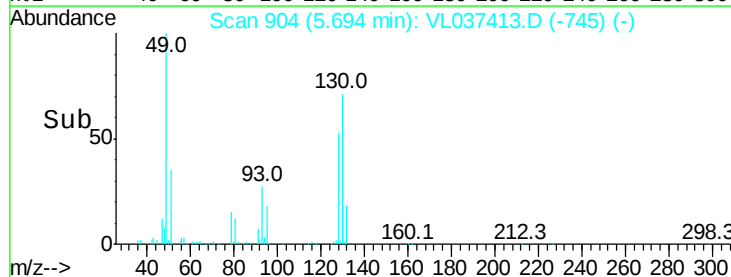
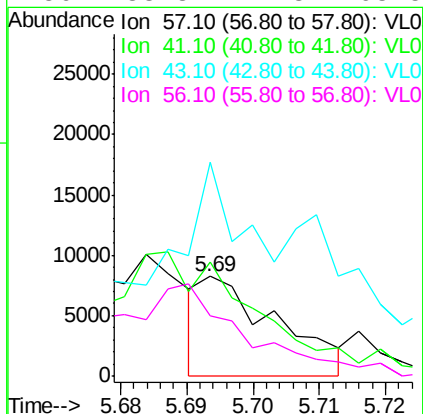
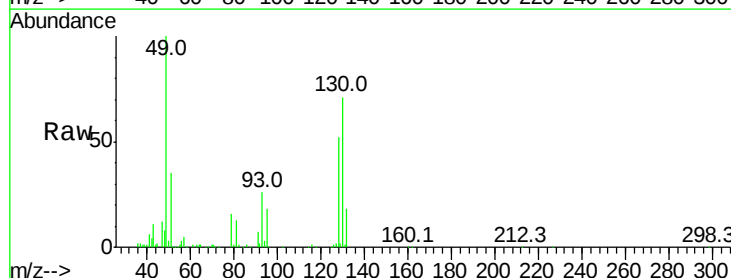
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

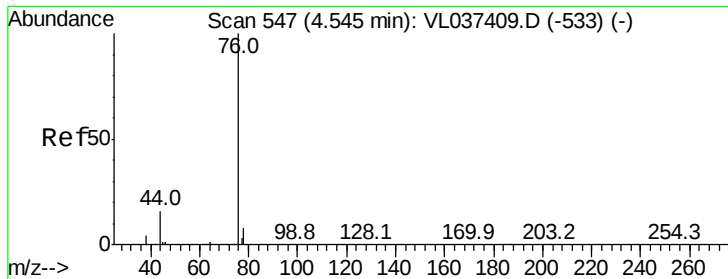
Tgt Ion:	43	Resp:	5382
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.7	11.5#
70	0.0	5.8	8.6#



#26
Hexane
Concen: 0.045 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

Tgt Ion:	57	Resp:	6576
Ion	Ratio	Lower	Upper
57	100		
41	274.1	72.5	108.7#
43	587.8	169.3	253.9#
56	183.3	42.3	63.5#





#27

Carbon Disulfide

Concen: 0.050 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

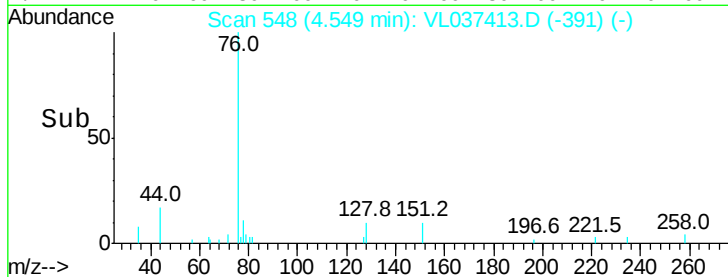
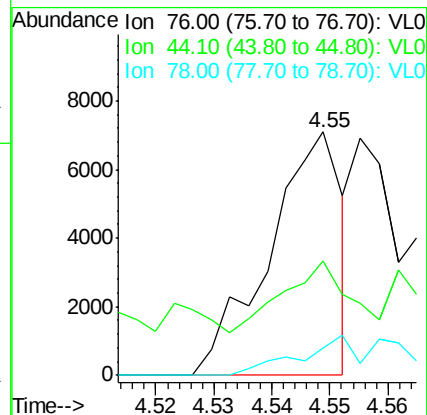
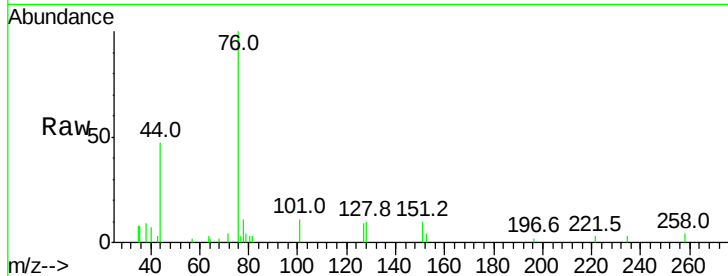
Tgt Ion: 76 Resp: 6210

Ion Ratio Lower Upper

76 100

44 0.0 14.4 21.6#

78 0.0 8.0 12.0#



#28

Methyl tert-Butyl Ether

Concen: 0.073 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.03 min

Lab File: VL037413.D

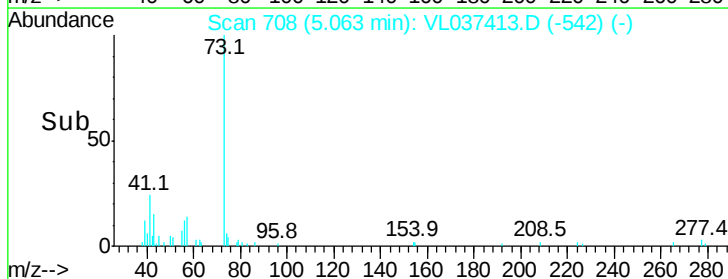
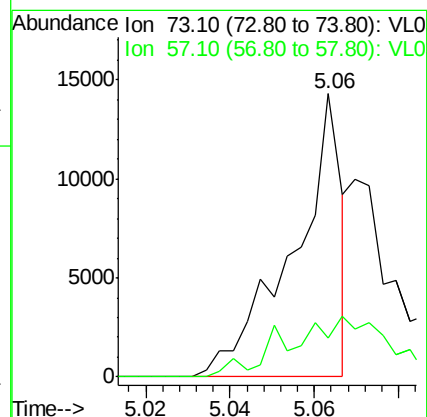
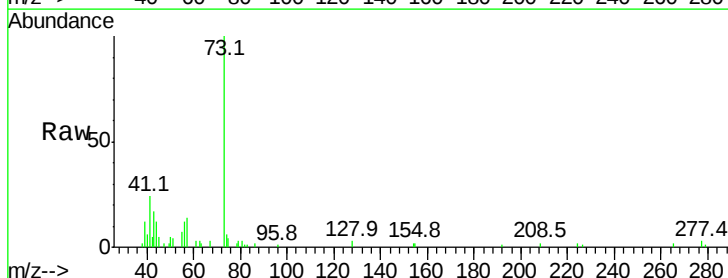
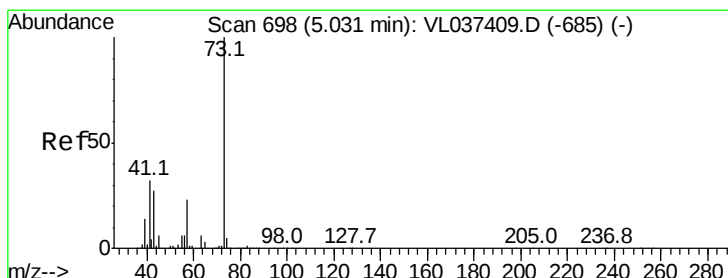
Acq: 12 Aug 2021 13:32

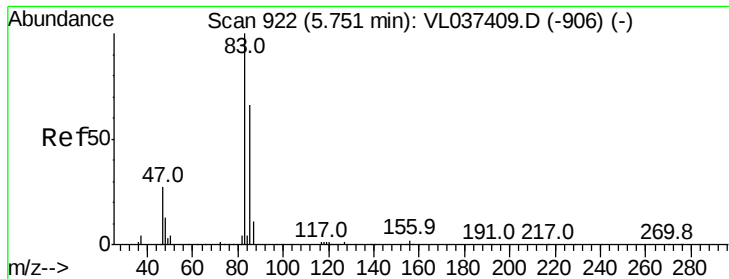
Tgt Ion: 73 Resp: 11391

Ion Ratio Lower Upper

73 100

57 0.0 19.0 28.4#





#29

Chloroform

Concen: 0.097 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

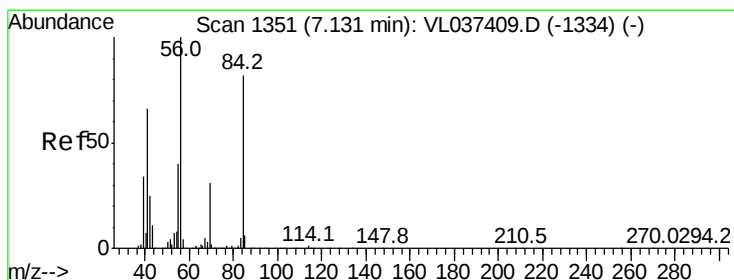
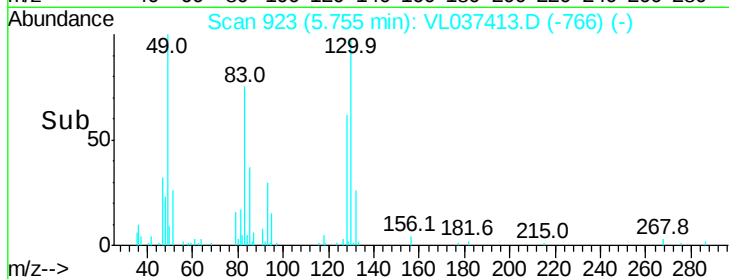
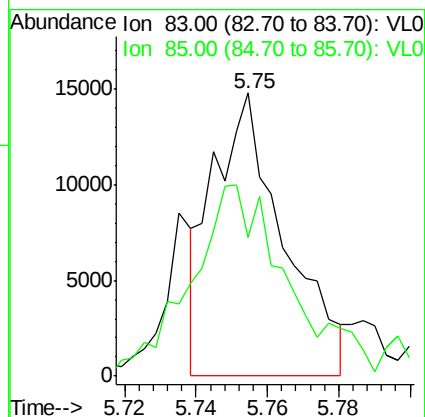
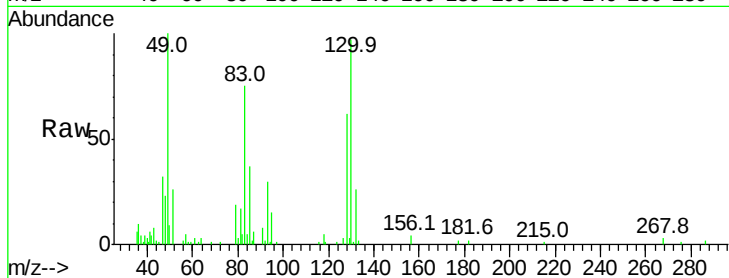
VSTDIC0.1

Tgt Ion: 83 Resp: 20407

Ion Ratio Lower Upper

83 100

85 36.4 52.4 78.6#



#30

Cyclohexane

Concen: 0.028 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

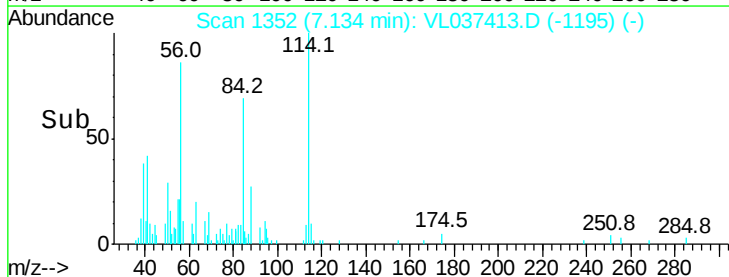
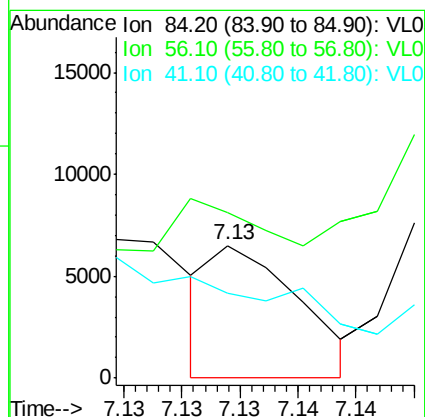
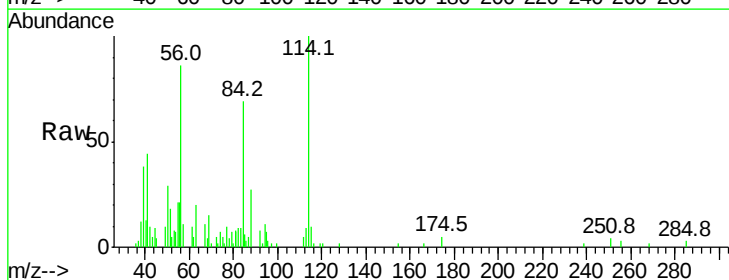
Tgt Ion: 84 Resp: 3380

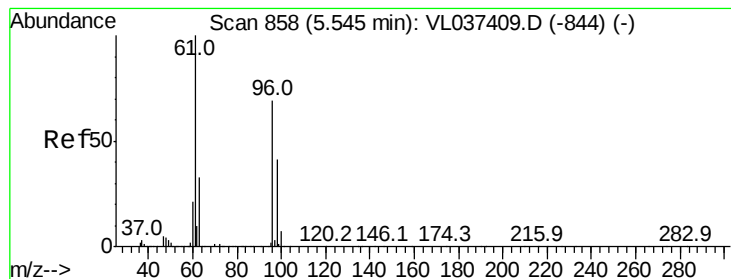
Ion Ratio Lower Upper

84 100

56 0.0 109.6 164.4#

41 0.0 66.6 99.8#





#31

cis-1,2-Dichloroethene

Concen: 0.021 ppbv

RT: 5.55 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

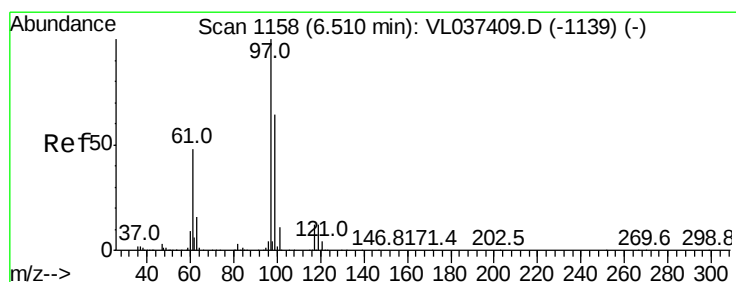
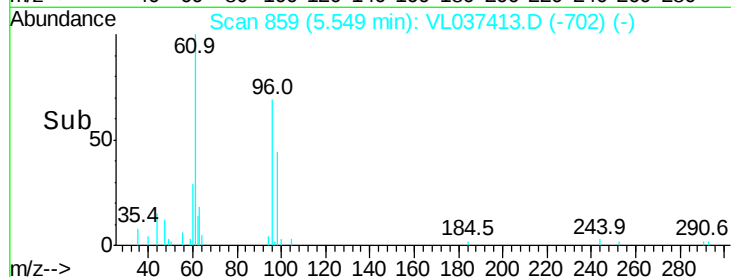
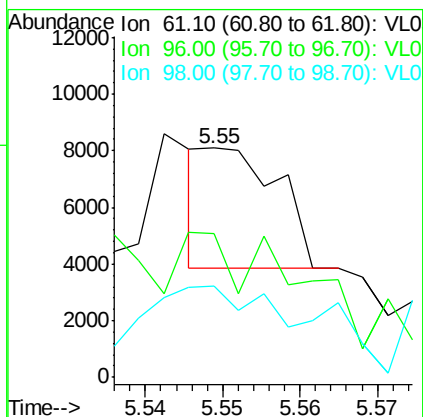
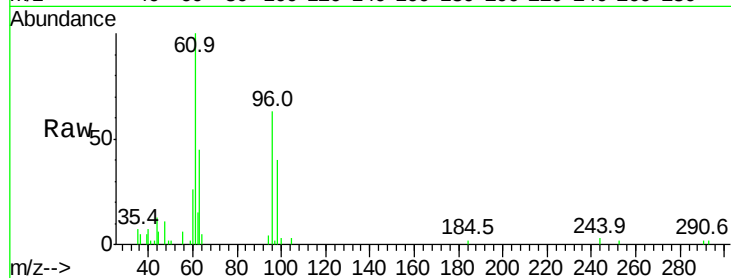
Tgt Ion: 61 Resp: 2801

Ion Ratio Lower Upper

61 100

96 40.4 55.5 83.3#

98 15.3 33.1 49.7#



#32

1,1,1-Trichloroethane

Concen: 0.039 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

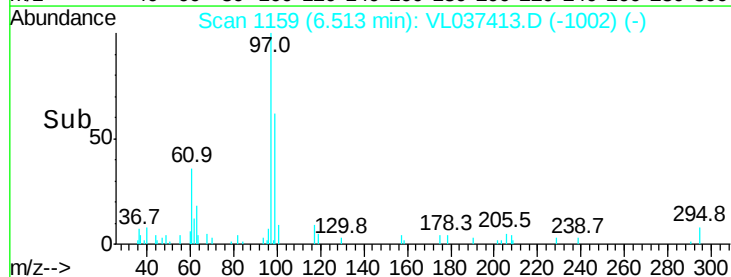
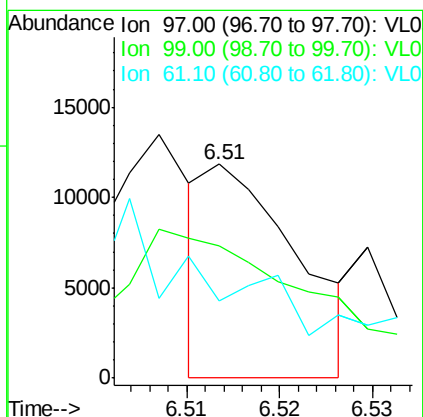
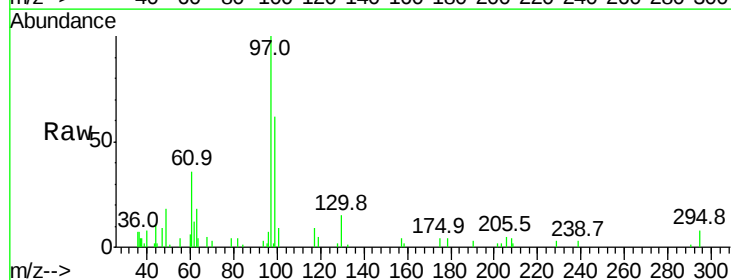
Tgt Ion: 97 Resp: 8052

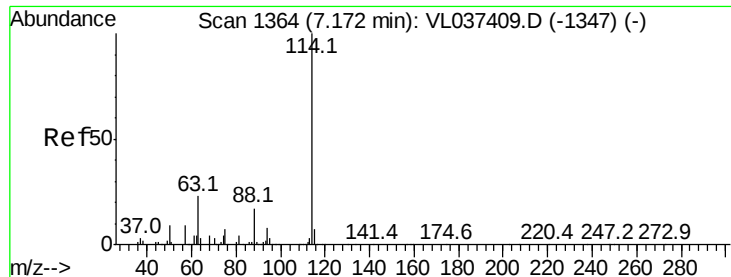
Ion Ratio Lower Upper

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

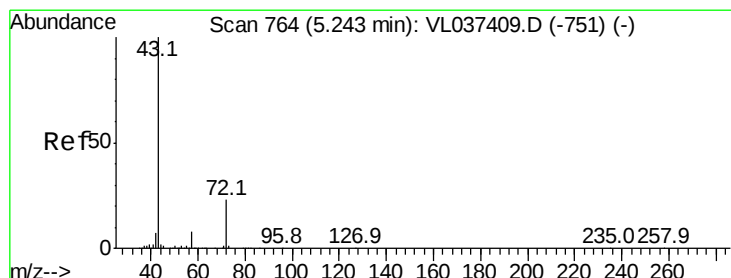
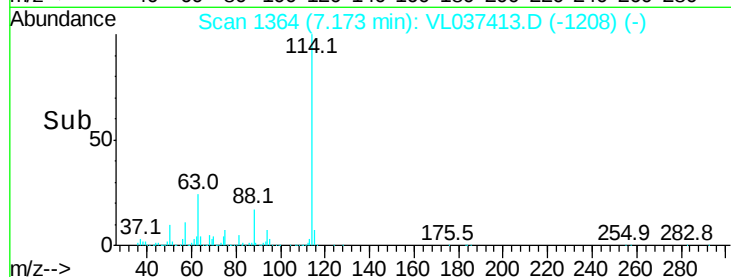
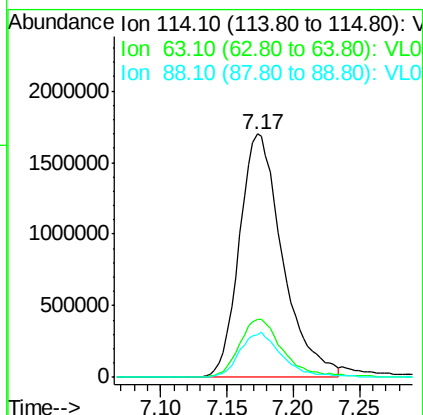
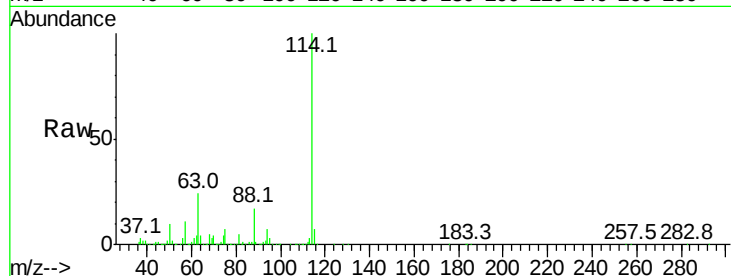
Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 114 Resp: 3846649

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.4	29.2
88	18.5	14.2	21.4



#34

2-Butanone

Concen: 0.024 ppbv

RT: 5.24 min Scan# 762

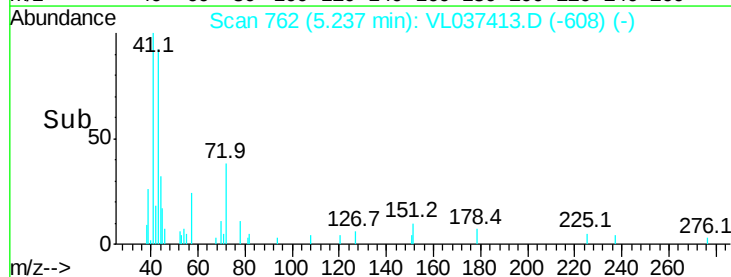
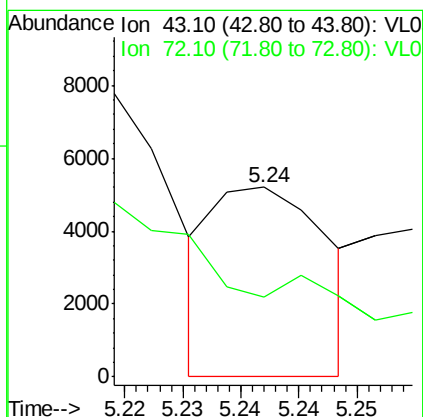
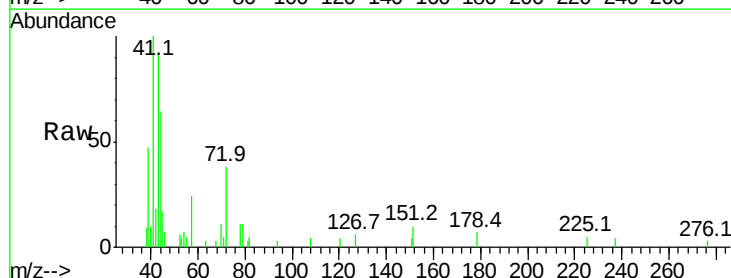
Delta R.T. -0.01 min

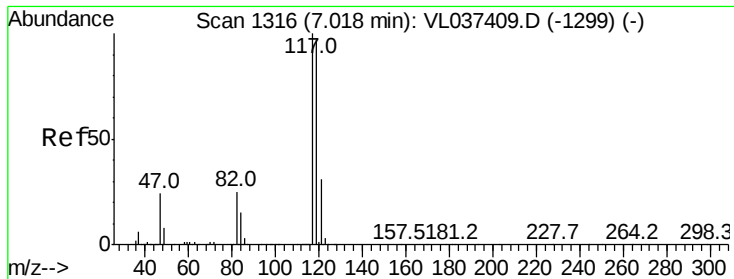
Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Tgt Ion: 43 Resp: 3543

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#35

Carbon Tetrachloride

Concen: 0.047 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.1

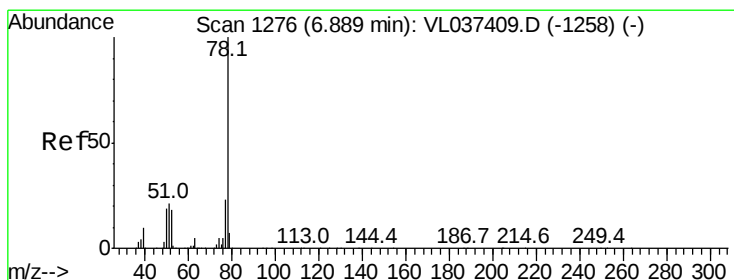
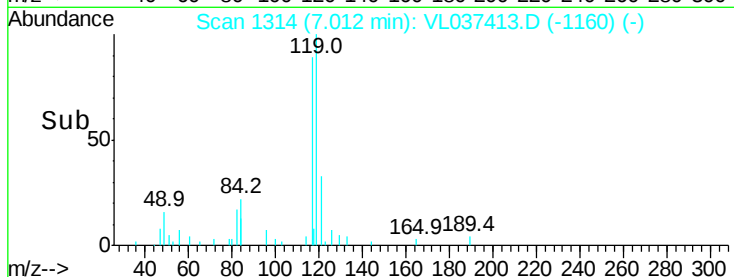
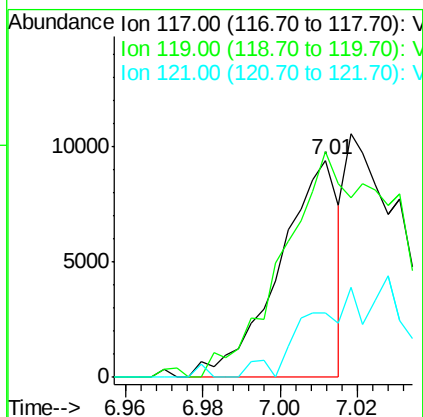
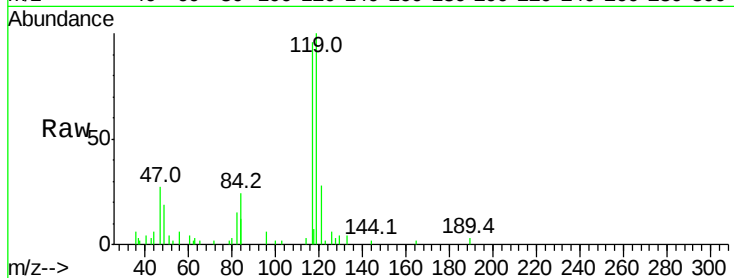
Tgt Ion: 117 Resp: 10018

Ion Ratio Lower Upper

117 100

119 103.7 77.5 116.3

121 29.4 24.7 37.1



#36

Benzene

Concen: 0.076 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

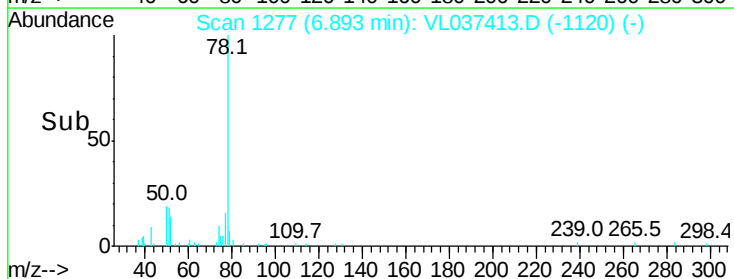
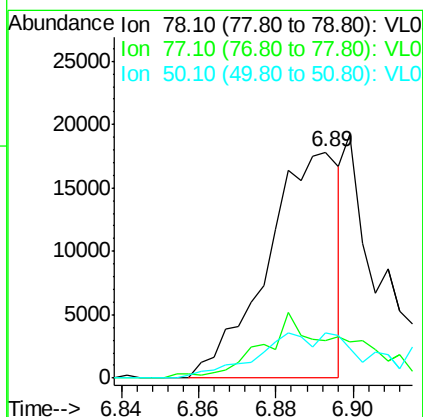
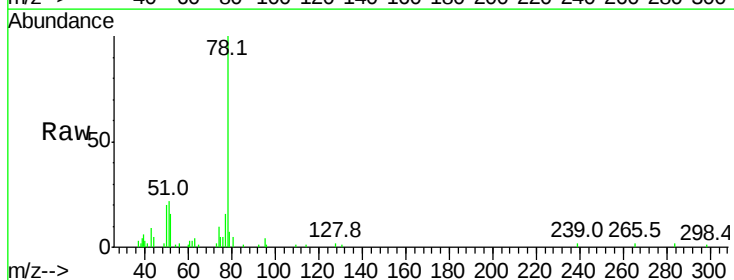
Tgt Ion: 78 Resp: 23102

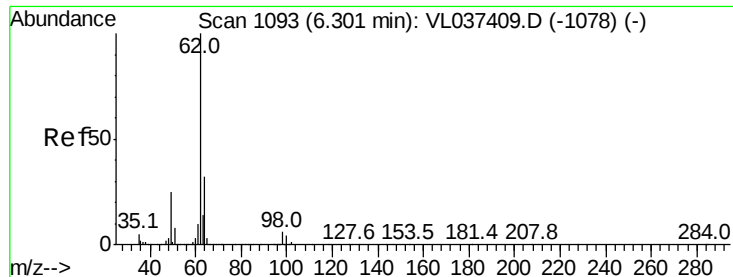
Ion Ratio Lower Upper

78 100

77 14.3 18.6 27.8#

50 13.7 14.9 22.3#

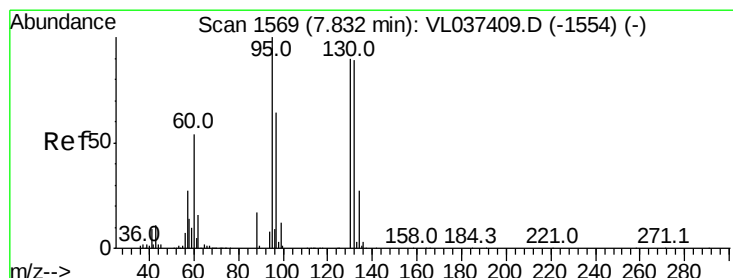
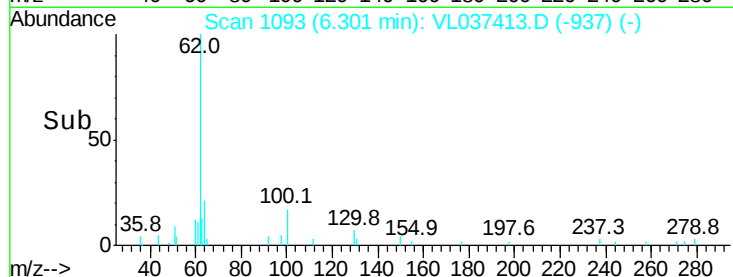
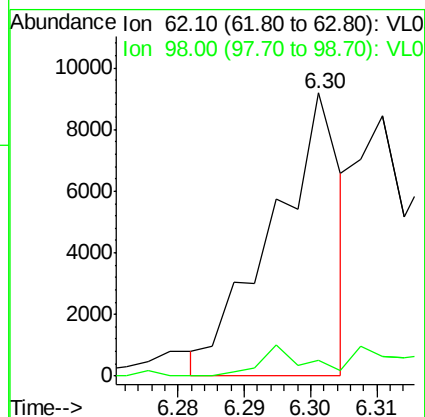
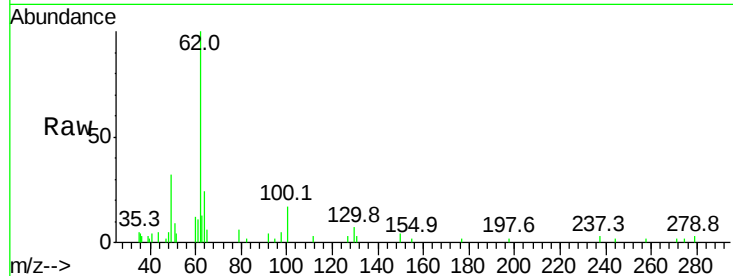




#37
 1,2-Dichloroethane
 Concen: 0.042 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

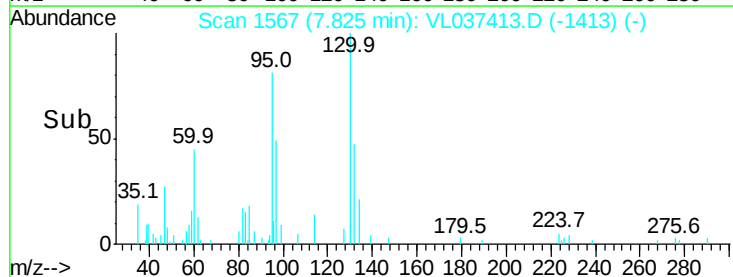
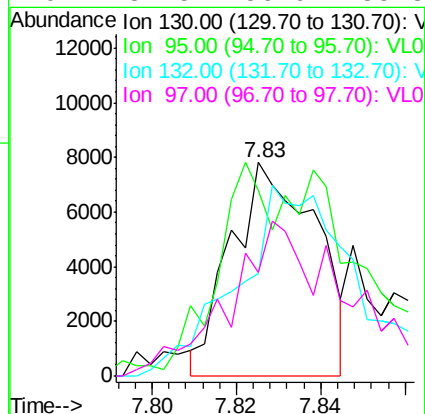
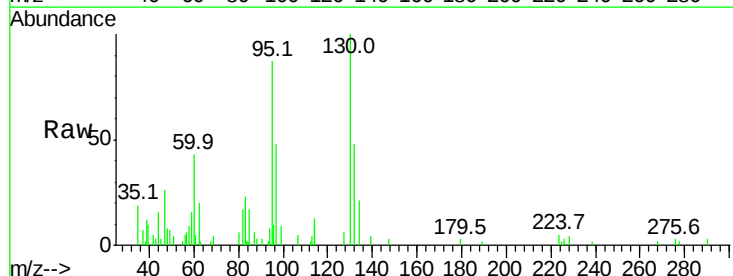
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

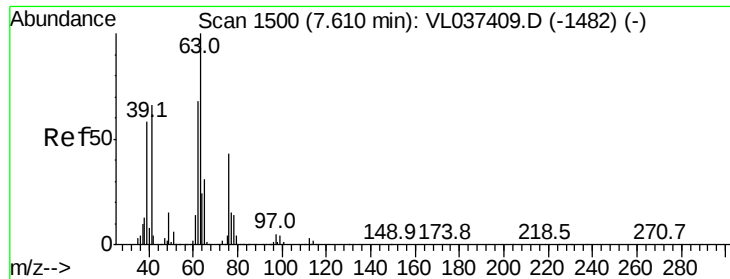
Tgt Ion: 62 Resp: 6563
 Ion Ratio Lower Upper
 62 100
 98 23.6 5.4 8.2#



#38
 Trichloroethene
 Concen: 0.083 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Tgt Ion: 130 Resp: 10829
 Ion Ratio Lower Upper
 130 100
 95 61.4 88.6 132.8#
 132 38.9 79.2 118.8#
 97 37.5 56.9 85.3#





#39

1,2-Dichloropropane

Concen: 8.184 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.44 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

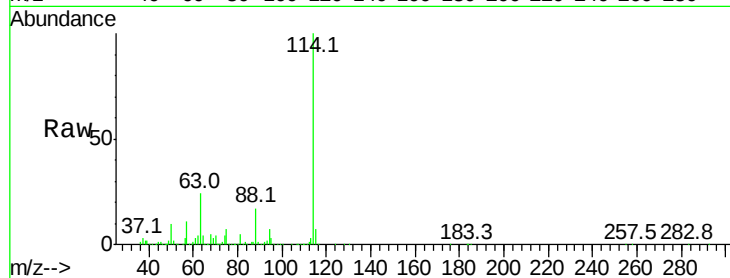
Tgt Ion: 63 Resp: 913255

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

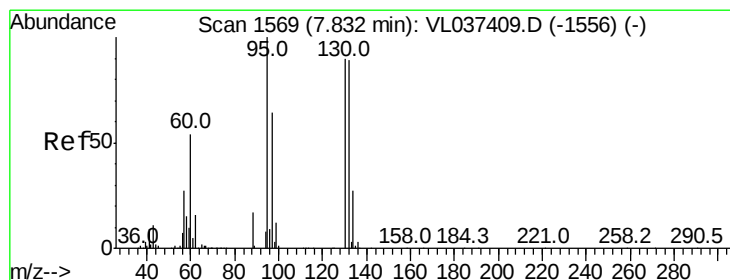
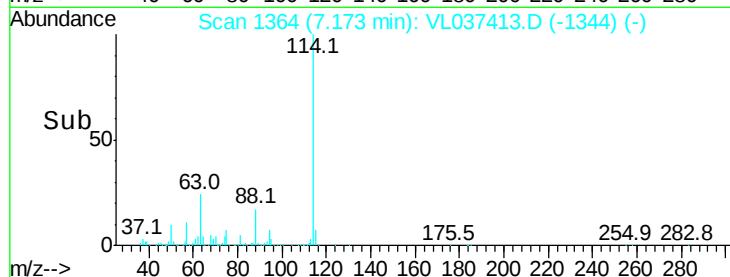
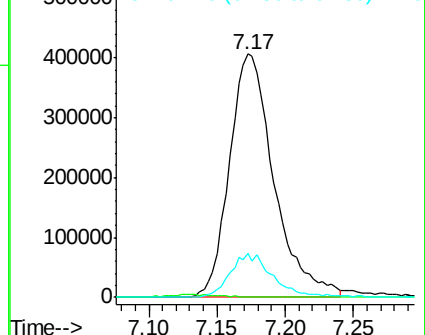
62 18.0 54.5 81.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.008 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Tgt Ion: 88 Resp: 226

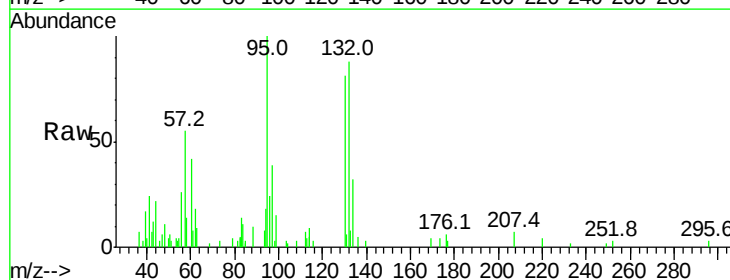
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

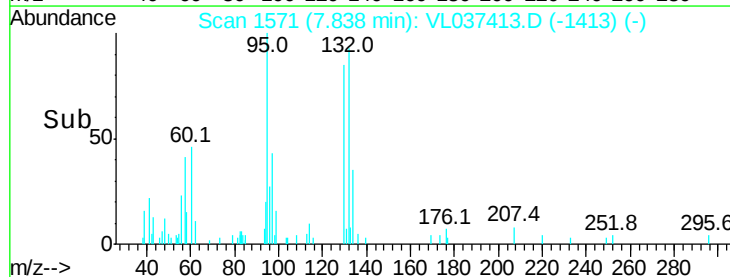
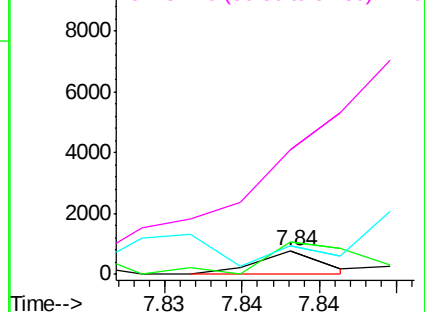


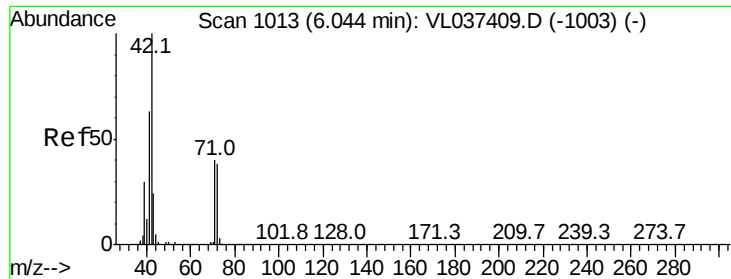
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

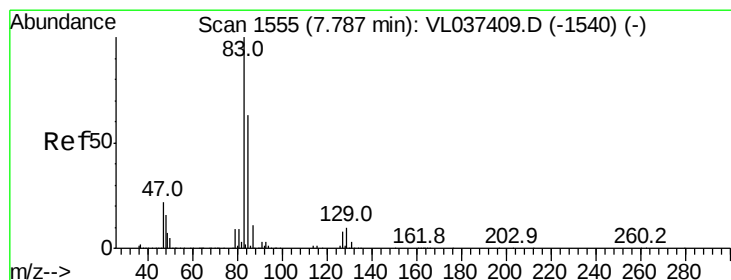
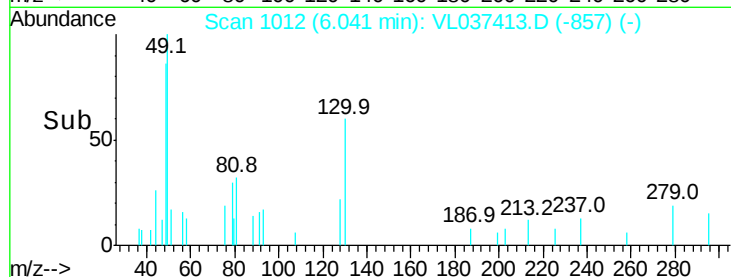
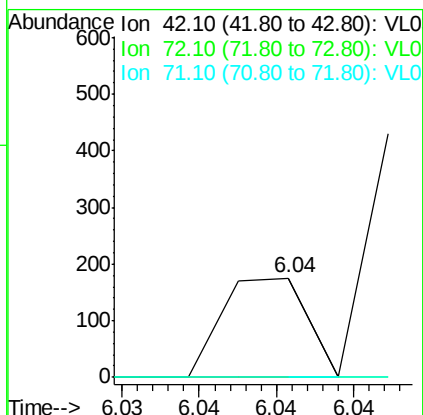
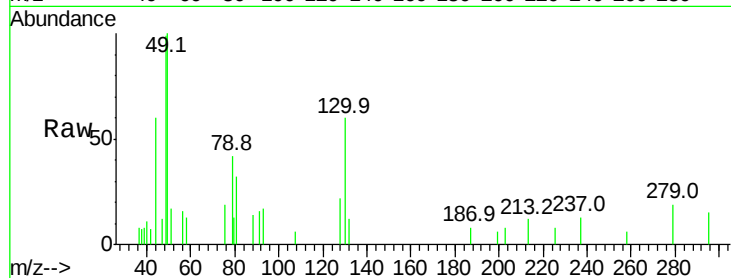




#41
Tetrahydrofuran
Concen: 0.001 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

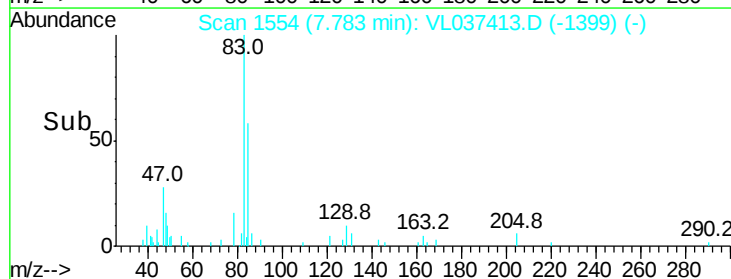
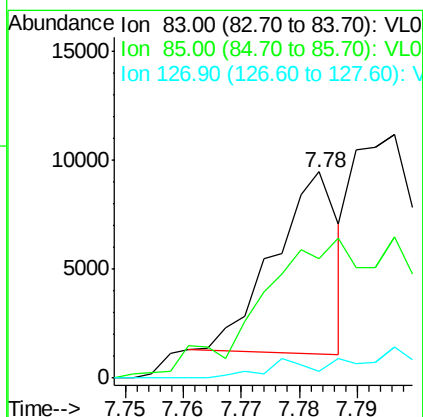
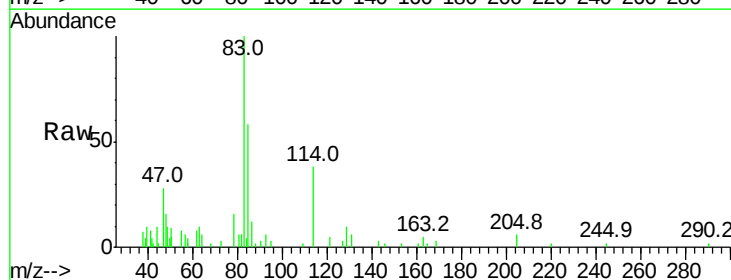
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

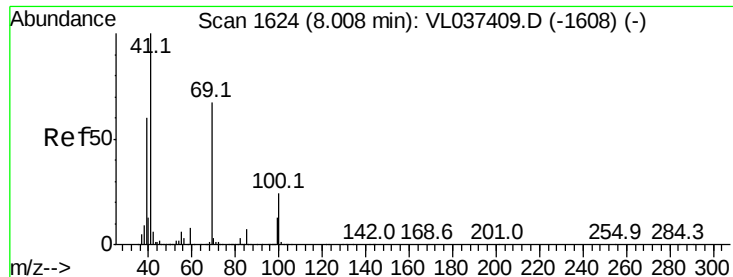
Tgt Ion: 42 Resp: 67
Ion Ratio Lower Upper
42 100
72 0.0 33.5 50.3#
71 0.0 32.6 48.8#



#42
Bromodichloromethane
Concen: 0.029 ppbv
RT: 7.78 min Scan# 1554
Delta R.T. -0.00 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

Tgt Ion: 83 Resp: 6383
Ion Ratio Lower Upper
83 100
85 49.6 50.2 75.2#
127 3.6 6.6 9.8#





#43

Methyl Methacrylate

Concen: 0.017 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. 0.00 min

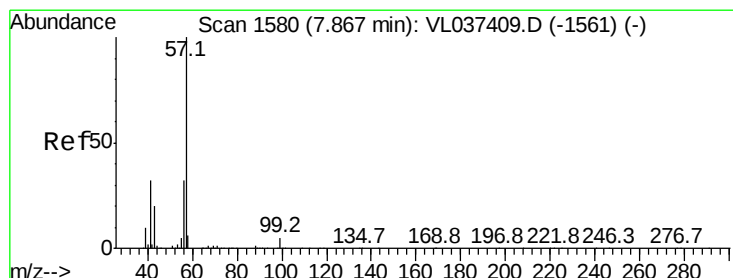
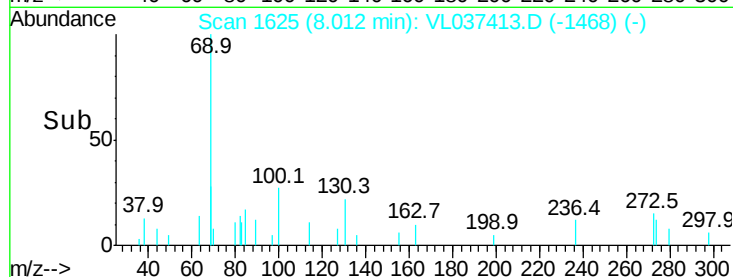
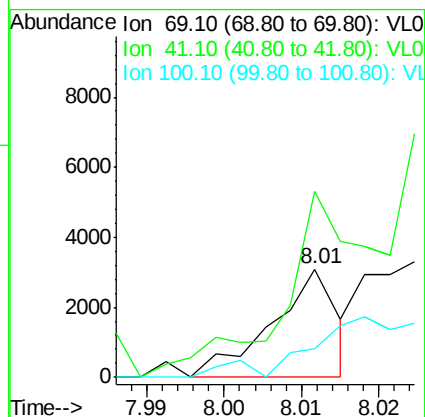
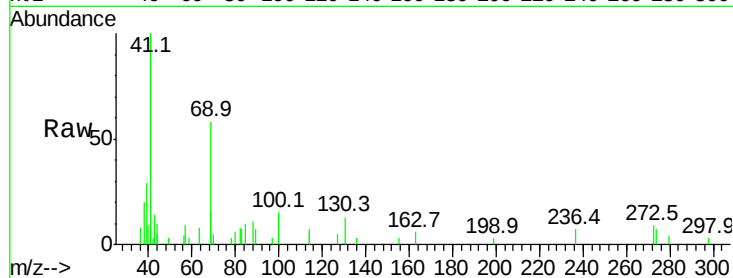
Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 69 Resp: 1811

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: 0.049 ppbv

RT: 7.86 min Scan# 1579

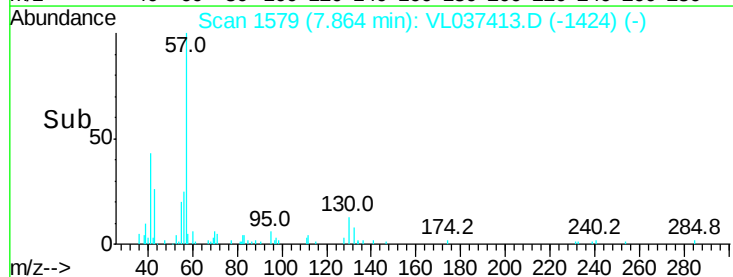
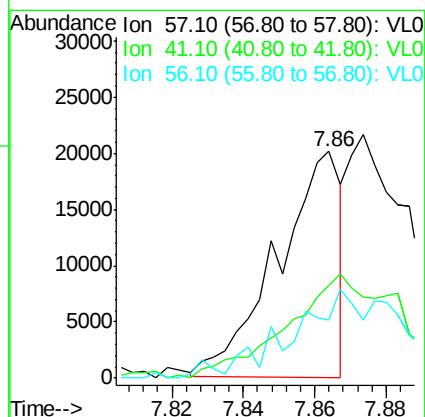
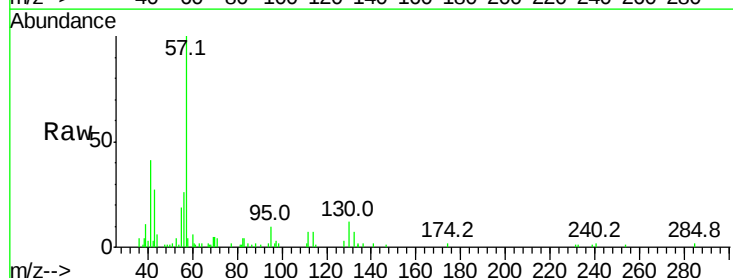
Delta R.T. -0.00 min

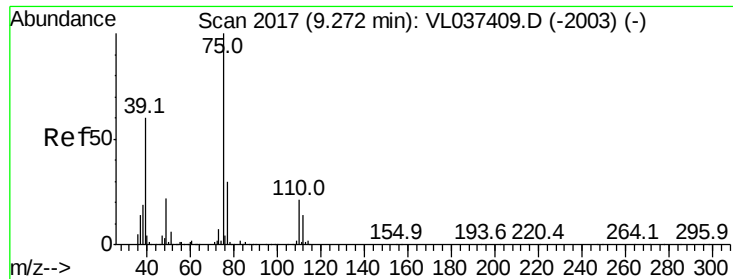
Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Tgt Ion: 57 Resp: 24749

Ion	Ratio	Lower	Upper
57	100		
41	99.6	26.4	39.6#
56	78.5	25.0	37.4#





#45

t-1,3-Dichloropropene

Concen: 0.010 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. -0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

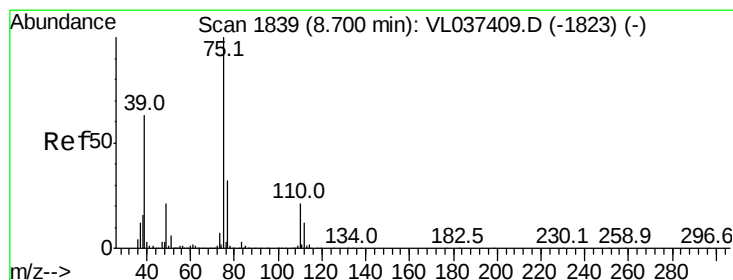
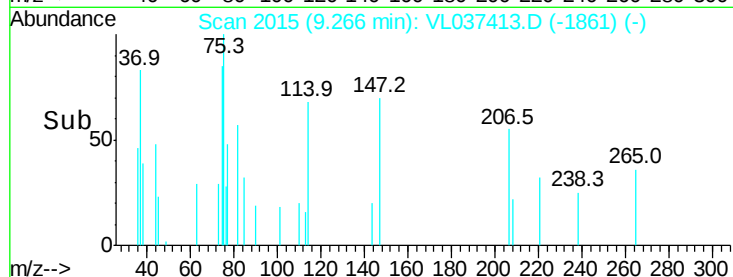
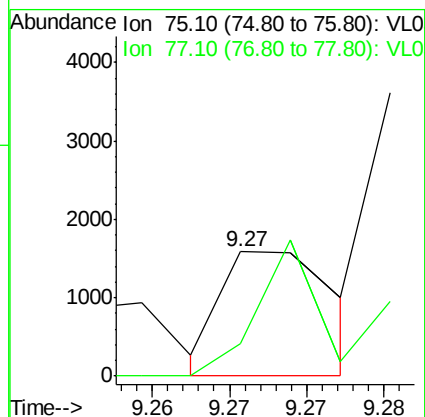
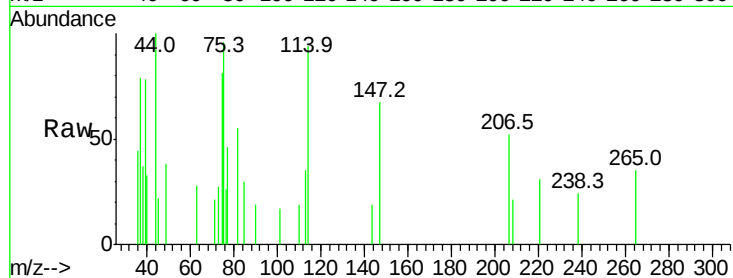
VSTDIC0.1

Tgt Ion: 75 Resp: 803

Ion Ratio Lower Upper

75 100

77 26.1 24.2 36.2



#46

cis-1,3-Dichloropropene

Concen: 0.044 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

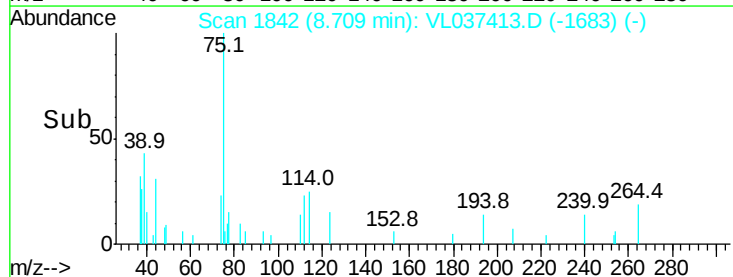
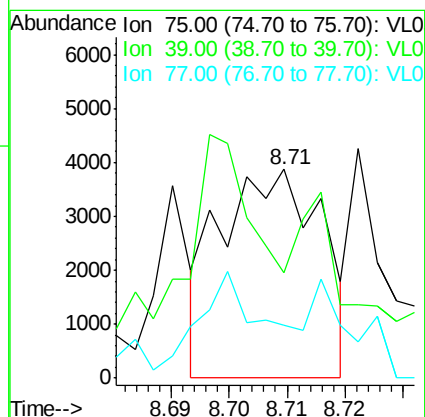
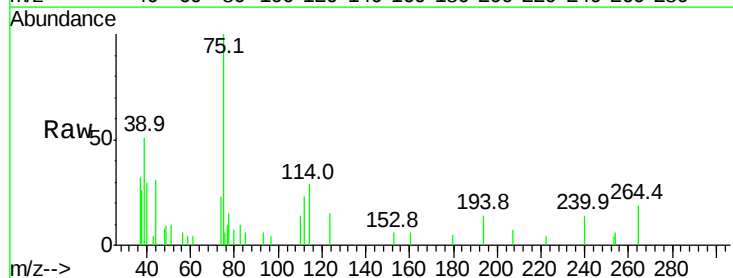
Tgt Ion: 75 Resp: 4708

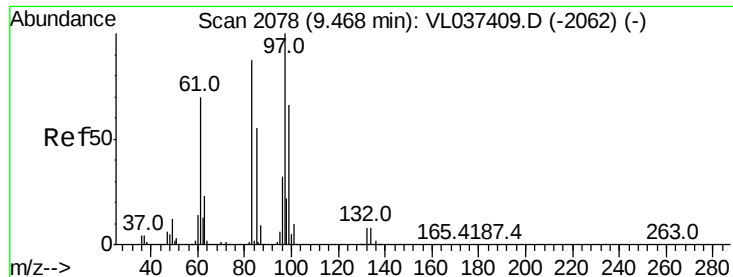
Ion Ratio Lower Upper

75 100

39 28.8 50.1 75.1#

77 0.5 25.8 38.8#





#47

1,1,2-Trichloroethane

Concen: 0.055 ppbv

RT: 9.47 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 6979

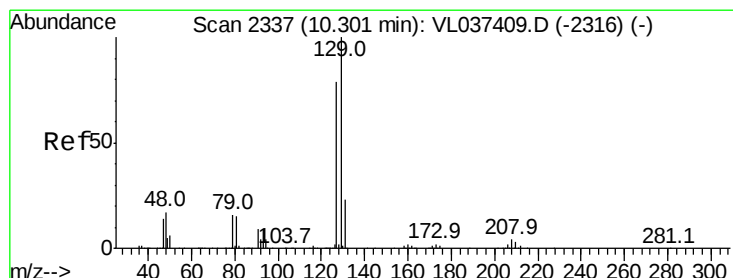
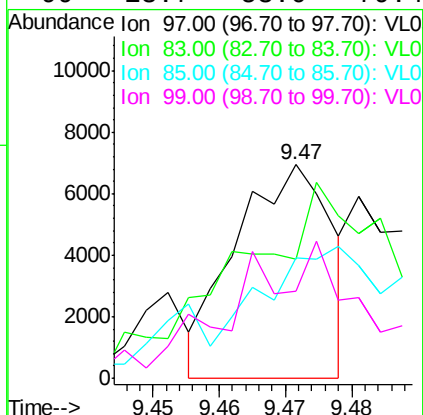
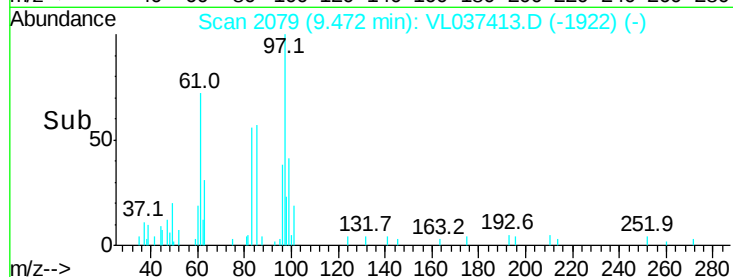
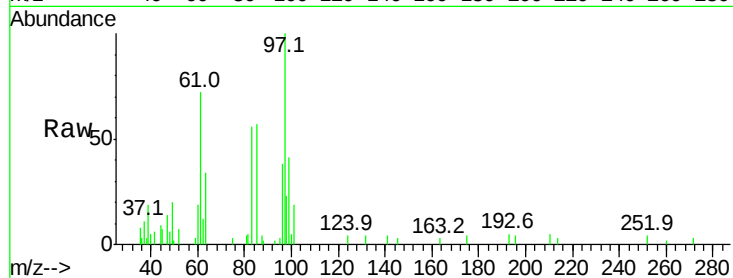
Ion Ratio Lower Upper

97 100

83 22.9 69.5 104.3#

85 28.1 43.8 65.8#

99 13.7 53.0 79.4#



#48

Dibromochloromethane

Concen: 0.022 ppbv

RT: 10.30 min Scan# 2337

Delta R.T. 0.00 min

Lab File: VL037413.D

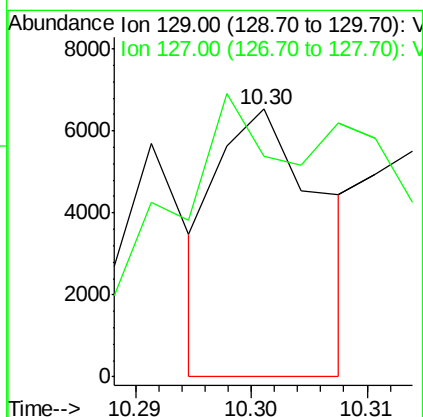
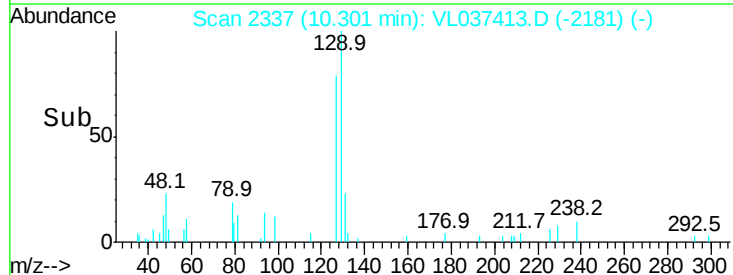
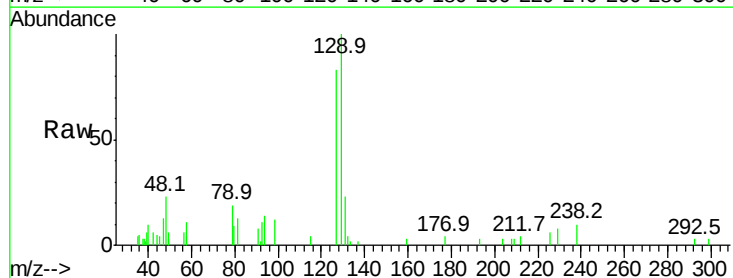
Acq: 12 Aug 2021 13:32

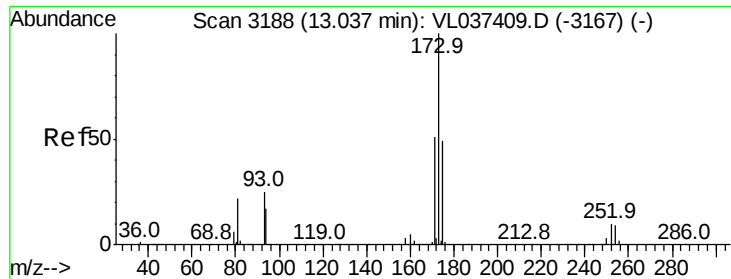
Tgt Ion: 129 Resp: 4078

Ion Ratio Lower Upper

129 100

127 318.7 39.6 118.8#





#49

Bromoform

Concen: 0.045 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

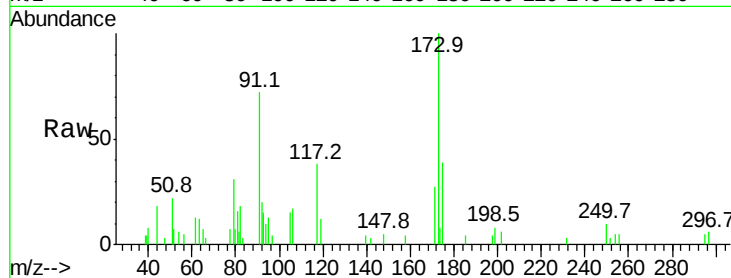
Tgt Ion:173 Resp: 6598

Ion Ratio Lower Upper

173 100

175 0.0 39.9 59.9#

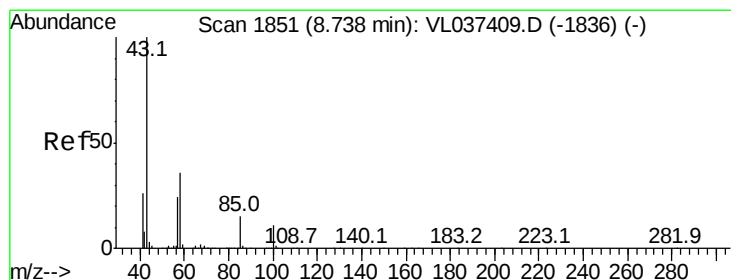
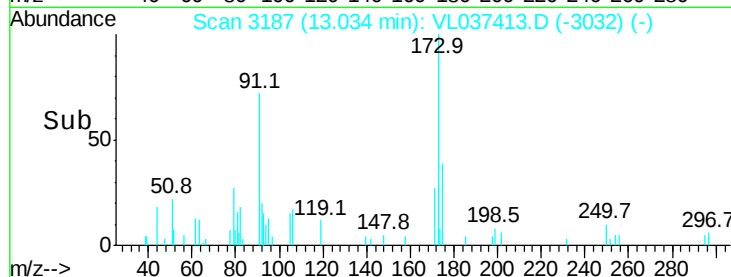
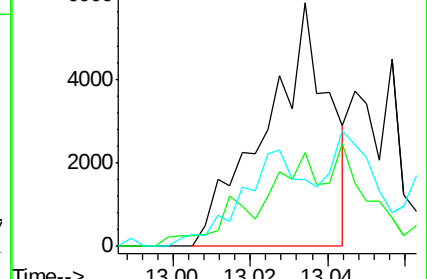
171 0.0 41.4 62.2#



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# 1850

Delta R.T. -0.00 min

Lab File: VL037413.D

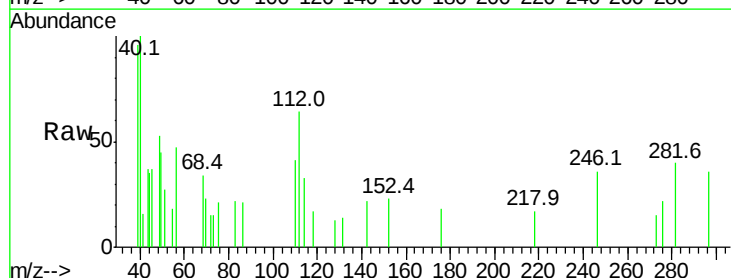
Acq: 12 Aug 2021 13:32

Tgt Ion: 43 Resp: 185

Ion Ratio Lower Upper

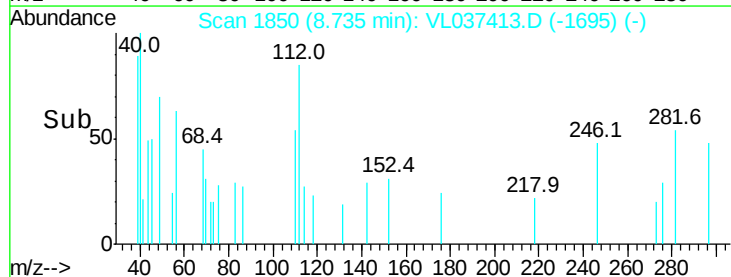
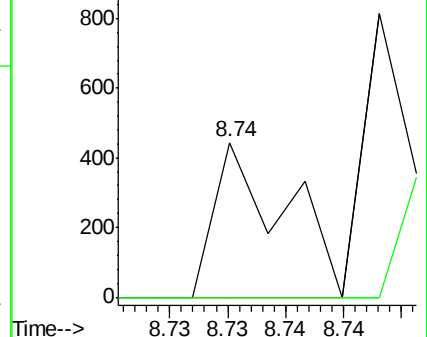
43 100

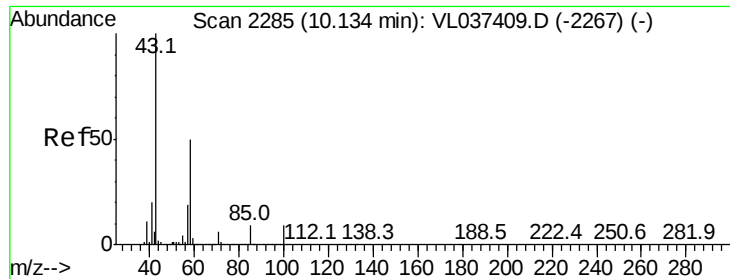
58 0.0 29.9 44.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

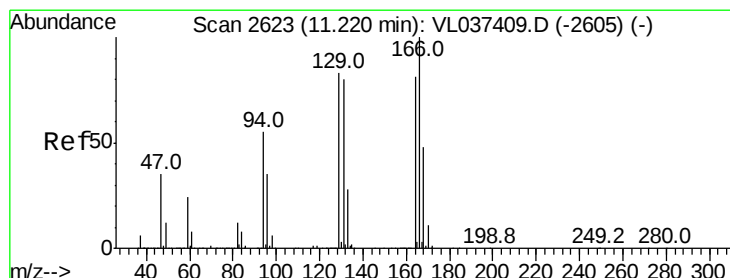
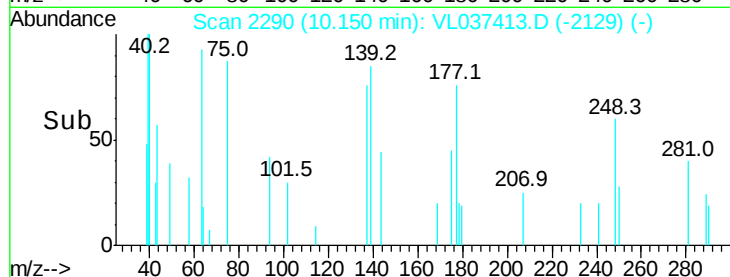
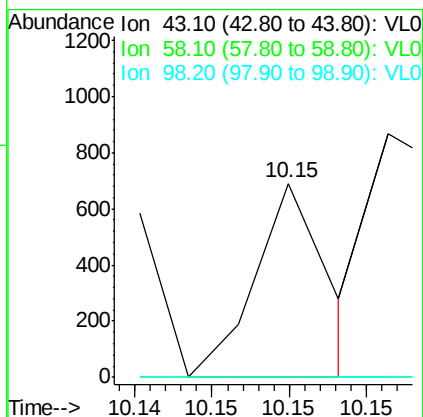
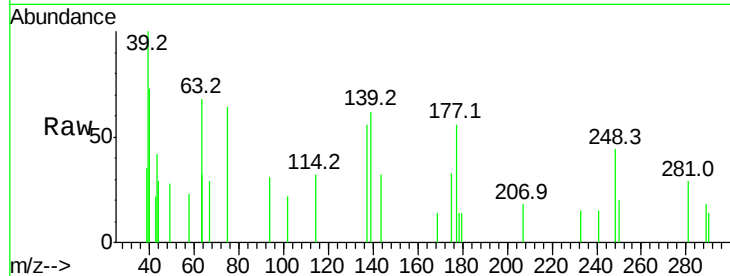




#51
2-Hexanone
Concen: 0.003 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.02 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

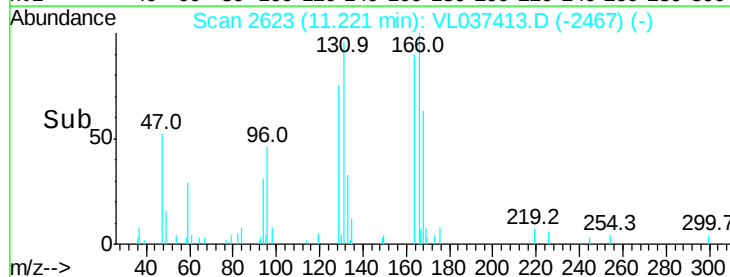
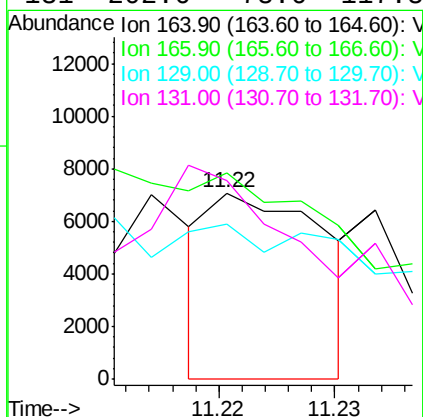
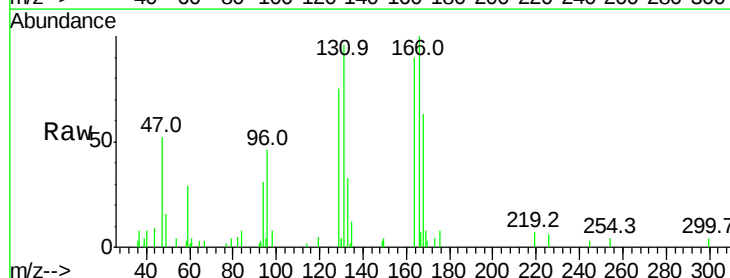
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

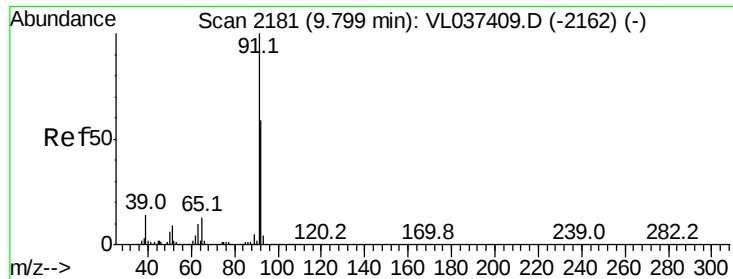
Tgt Ion: 43 Resp: 224
Ion Ratio Lower Upper
43 100
58 0.0 39.9 59.9#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.039 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

Tgt Ion: 164 Resp: 4838
Ion Ratio Lower Upper
164 100
166 111.2 98.6 147.8
129 48.2 82.0 123.0#
131 202.6 78.6 117.8#





#53

Toluene

Concen: 0.049 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

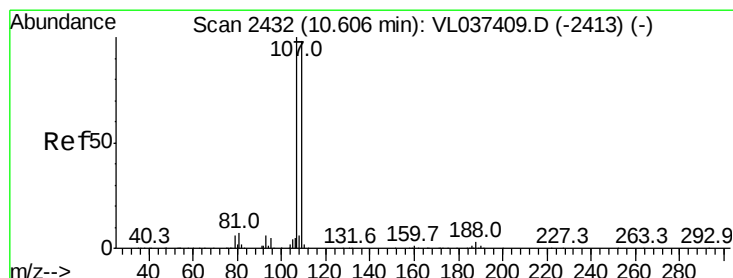
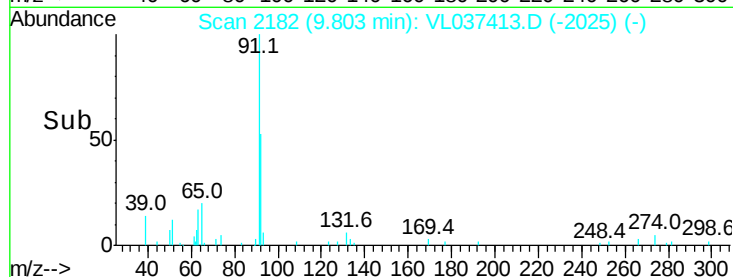
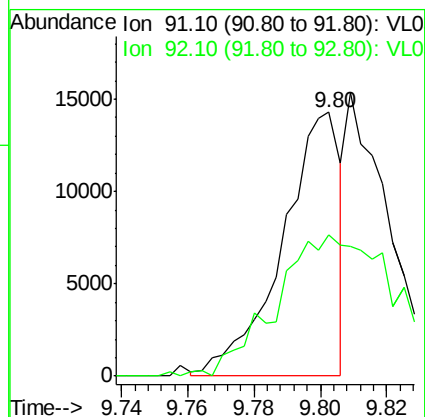
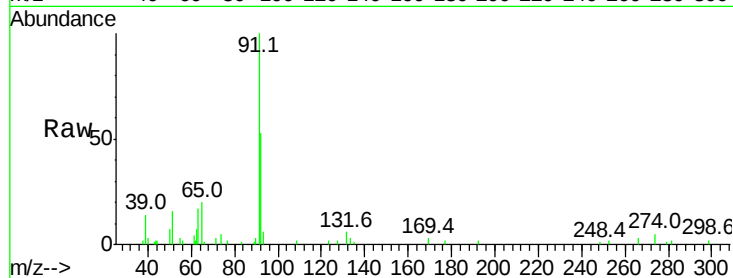
VSTDIC0.1

Tgt Ion: 91 Resp: 17403

Ion Ratio Lower Upper

91 100

92 114.6 49.0 73.6#



#54

1,2-Dibromoethane

Concen: 0.038 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. 0.00 min

Lab File: VL037413.D

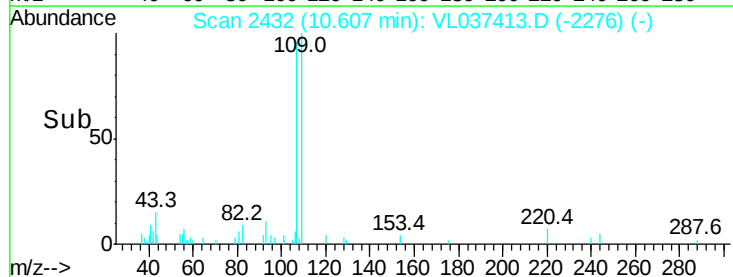
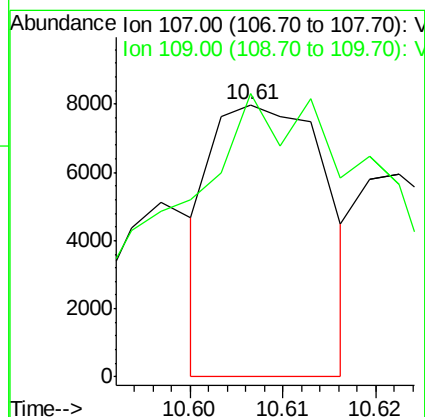
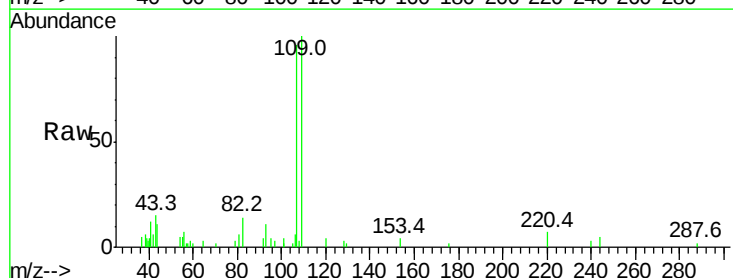
Acq: 12 Aug 2021 13:32

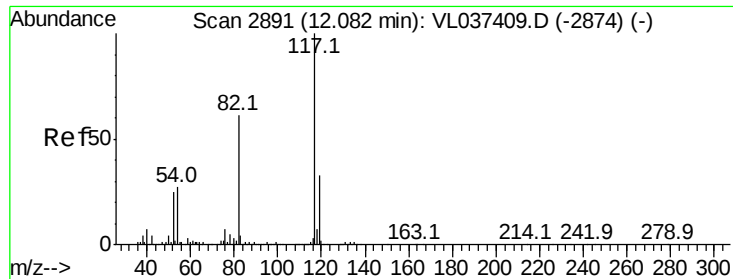
Tgt Ion: 107 Resp: 6802

Ion Ratio Lower Upper

107 100

109 88.6 78.4 117.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

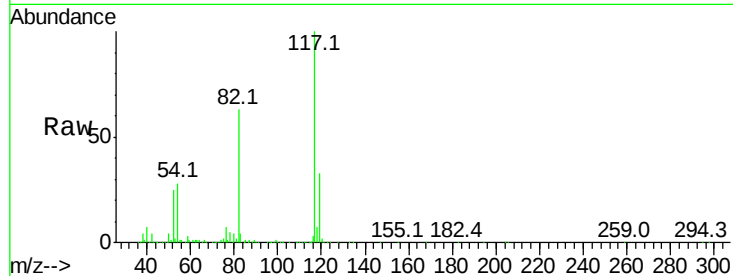
Tgt Ion:117 Resp: 3321246

Ion Ratio Lower Upper

117 100

82 66.9 53.1 79.7

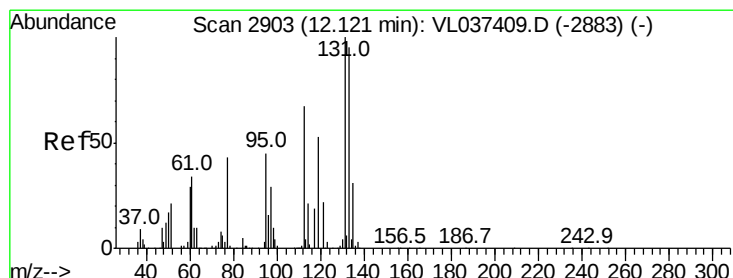
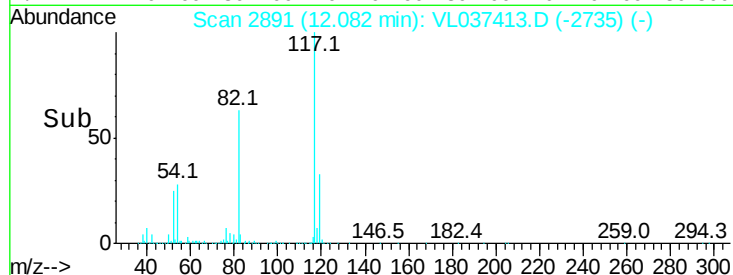
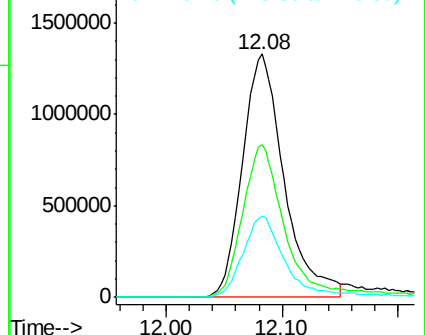
119 35.5 28.0 42.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.052 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

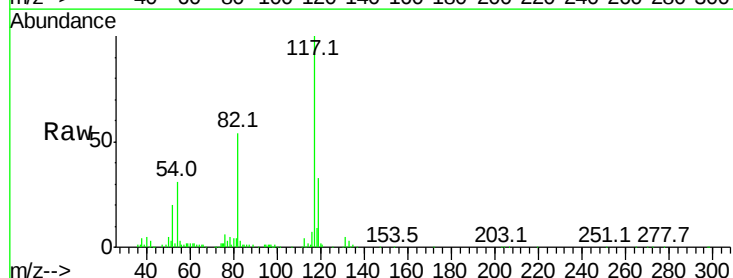
Tgt Ion:131 Resp: 6643

Ion Ratio Lower Upper

131 100

133 0.0 77.1 115.7#

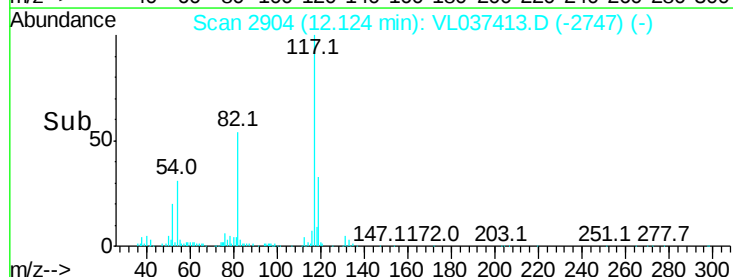
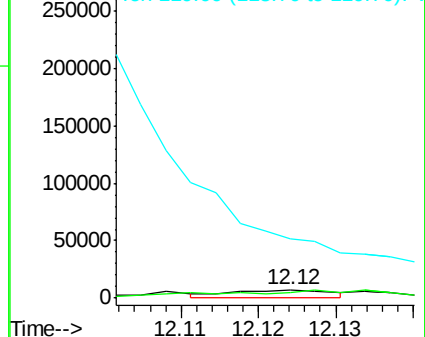
119 0.0 59.7 89.5#

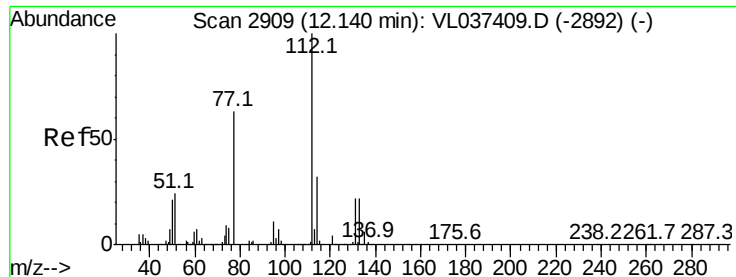


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.050 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

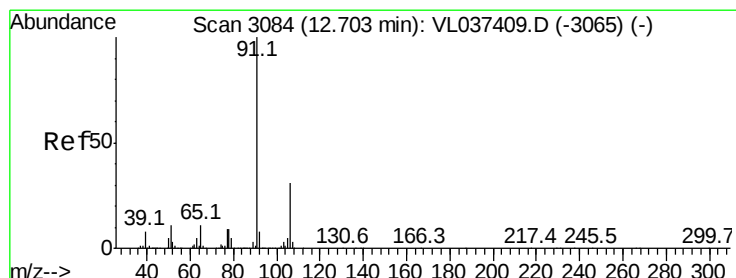
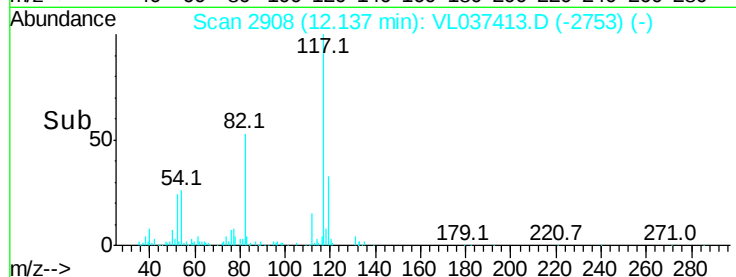
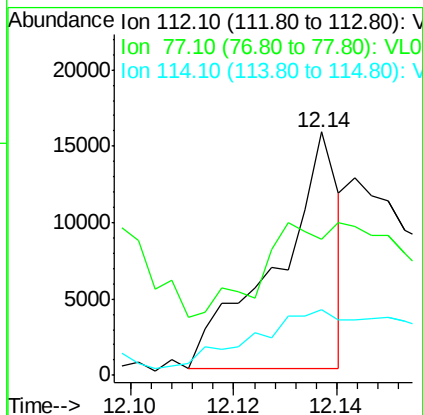
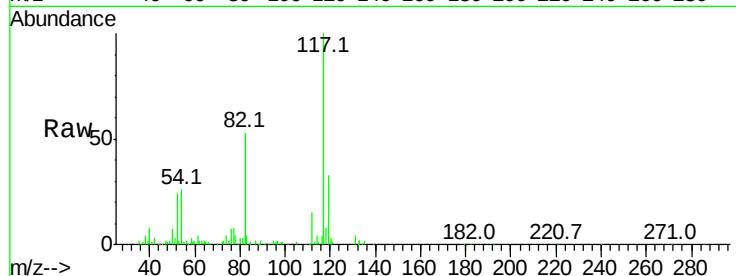
Tgt Ion: 112 Resp: 12899

Ion Ratio Lower Upper

112 100

77 30.5 50.0 75.0#

114 20.9 28.5 34.9#



#58

Ethyl Benzene

Concen: 0.049 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VL037413.D

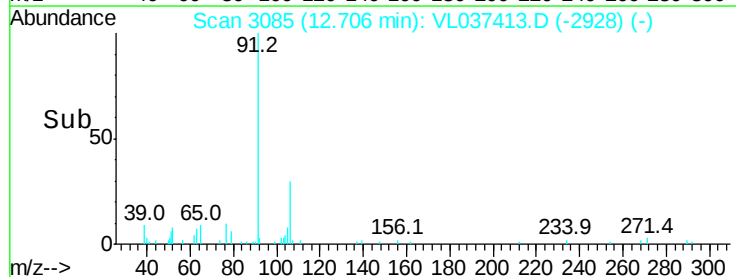
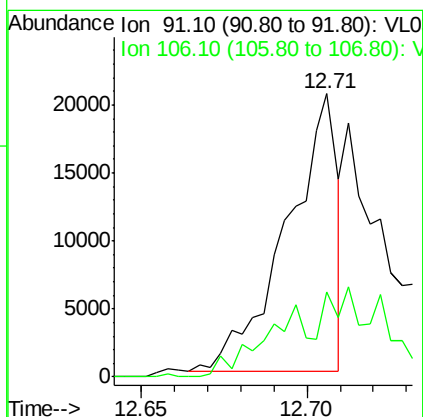
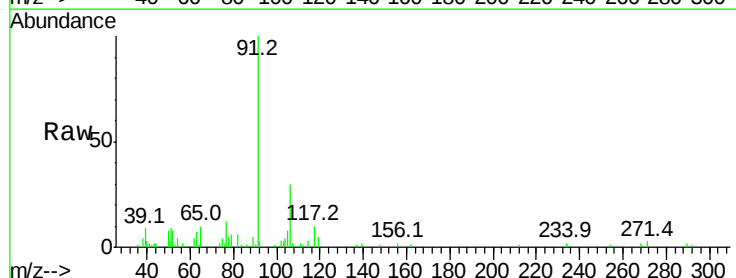
Acq: 12 Aug 2021 13:32

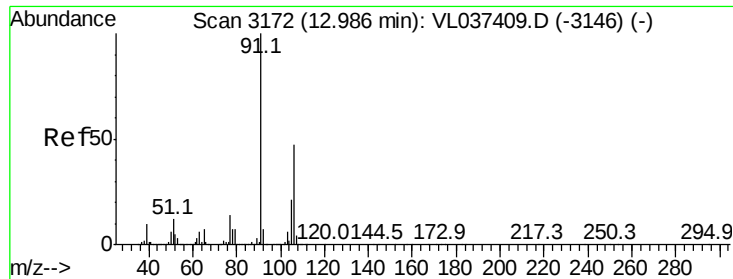
Tgt Ion: 91 Resp: 21608

Ion Ratio Lower Upper

91 100

106 30.5 24.7 37.1

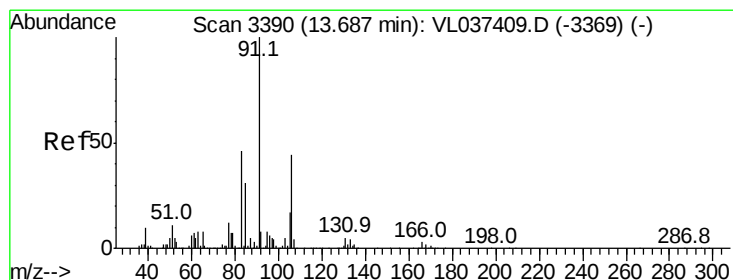
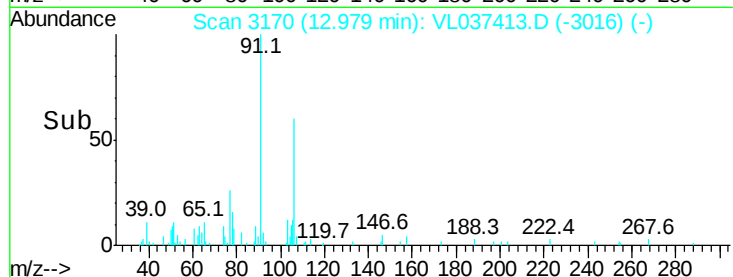
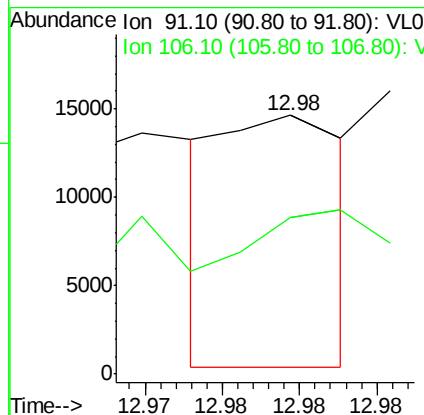
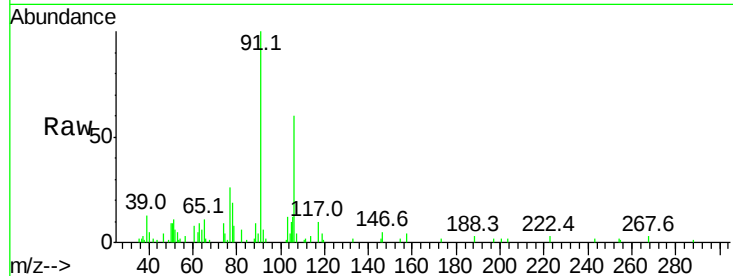




#59
m/p-Xylene
Concen: 0.021 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

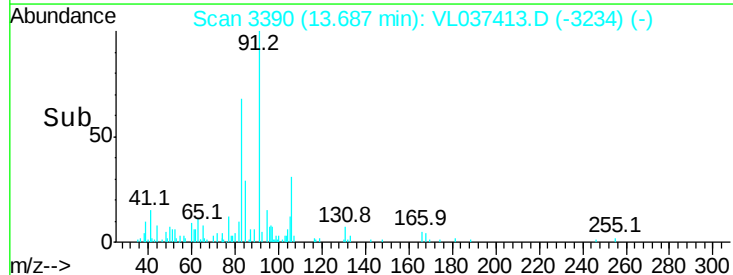
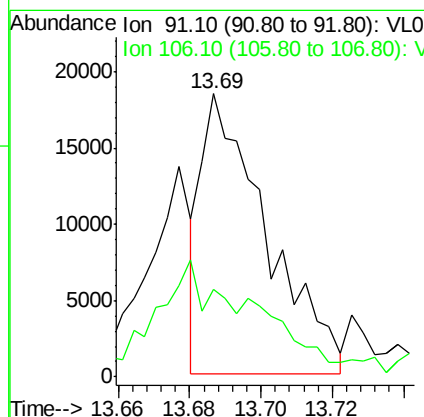
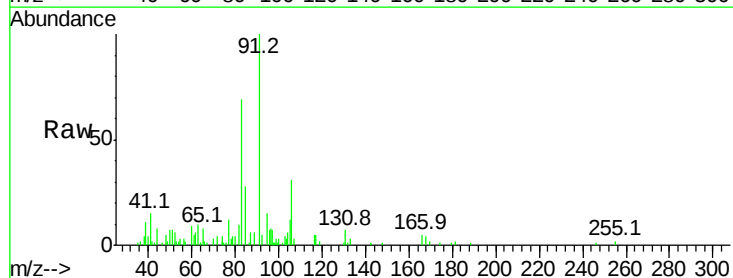
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

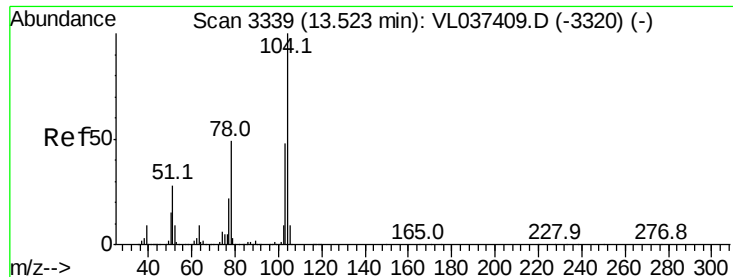
Tgt Ion: 91 Resp: 7852
Ion Ratio Lower Upper
91 100
106 0.0 36.6 54.8#



#60
o-Xylene
Concen: 0.066 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

Tgt Ion: 91 Resp: 23246
Ion Ratio Lower Upper
91 100
106 0.0 24.1 72.2#

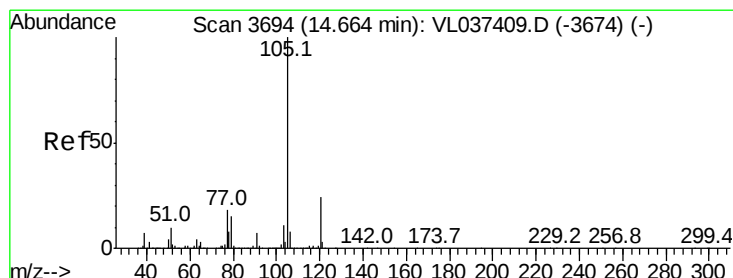
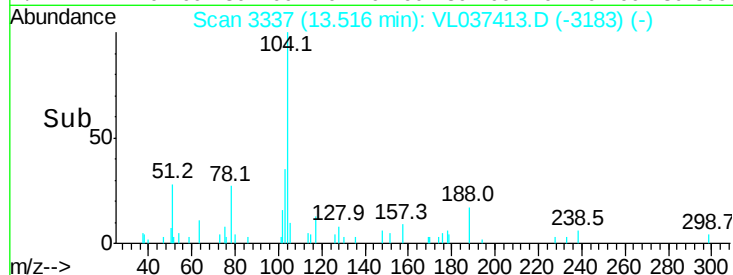
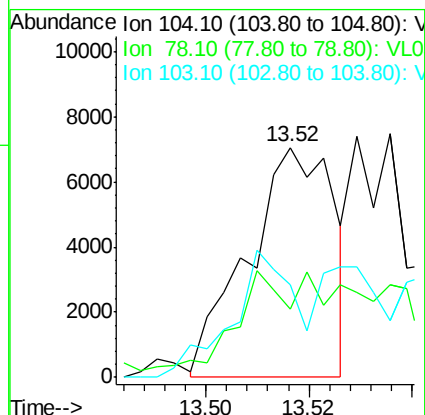
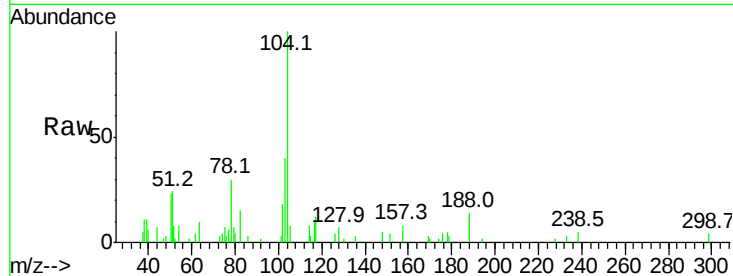




#61
Styrene
Concen: 0.045 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.01 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

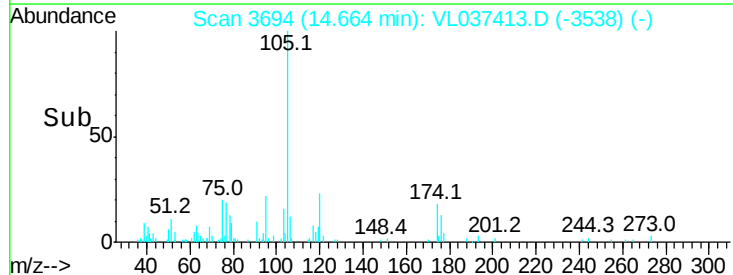
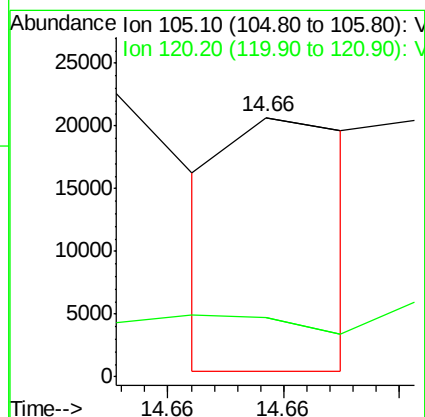
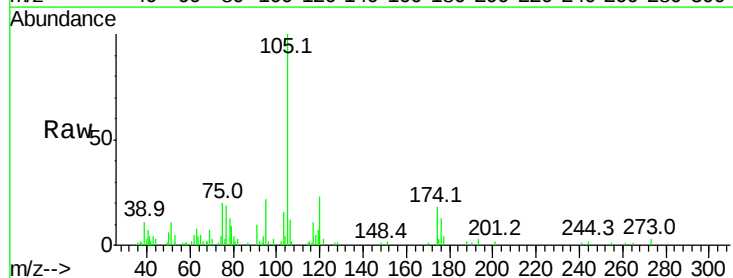
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

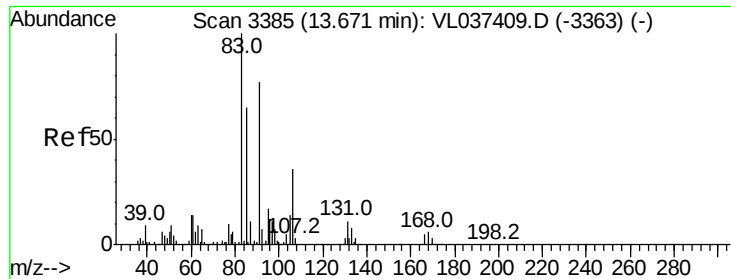
Tgt Ion:104 Resp: 8160
Ion Ratio Lower Upper
104 100
78 0.0 41.5 62.3#
103 98.7 40.2 60.2#



#62
Isopropylbenzene
Concen: 0.015 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL037413.D
Acq: 12 Aug 2021 13:32

Tgt Ion:105 Resp: 7609
Ion Ratio Lower Upper
105 100
120 0.0 21.6 32.4#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.031 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

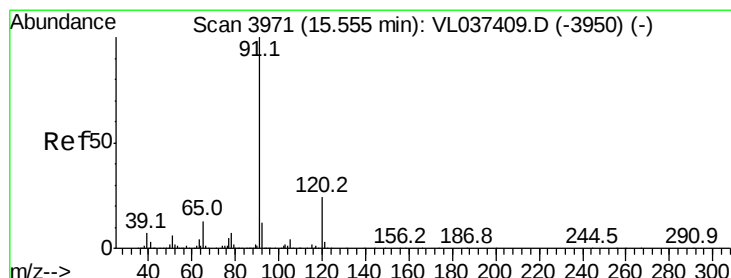
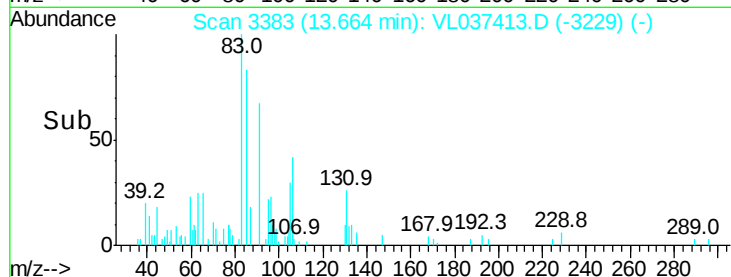
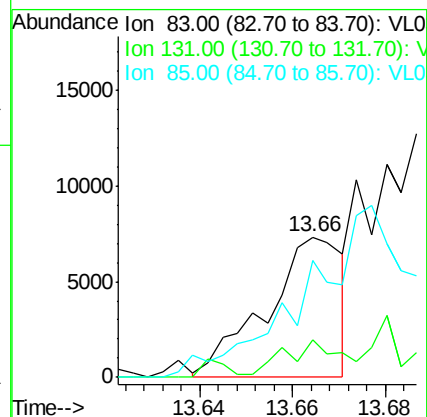
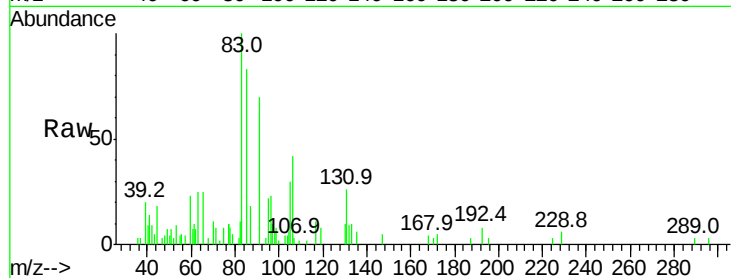
Tgt Ion: 83 Resp: 8329

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

85 0.0 33.4 100.2#



#64

n-propylbenzene

Concen: 0.021 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL037413.D

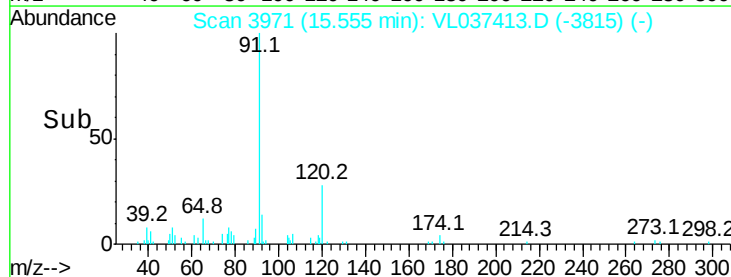
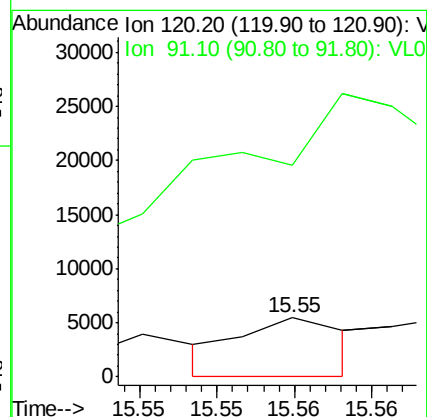
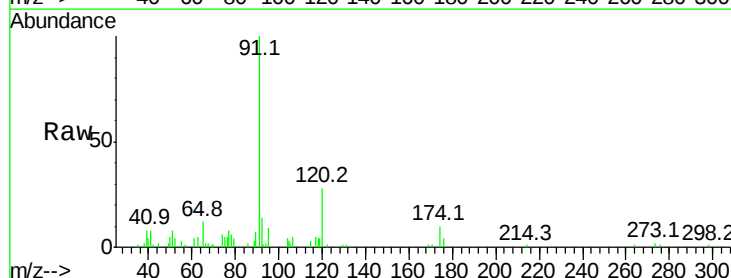
Acq: 12 Aug 2021 13:32

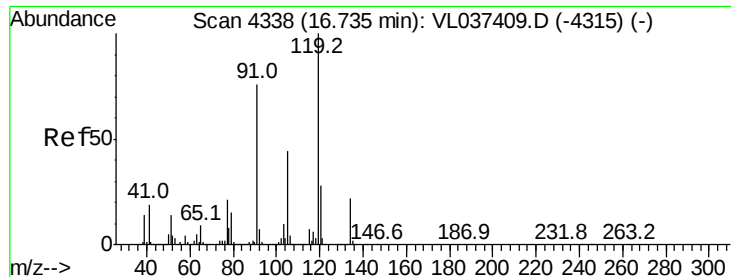
Tgt Ion:120 Resp: 2602

Ion Ratio Lower Upper

120 100

91 2585.4 388.4 582.6#

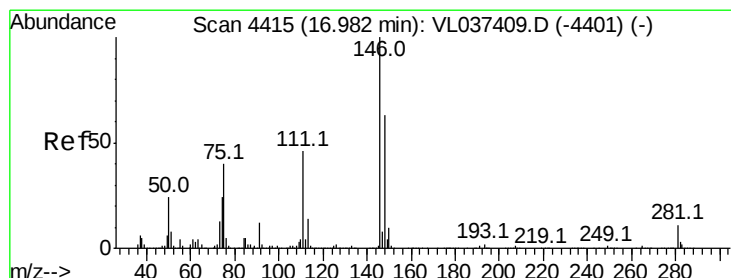
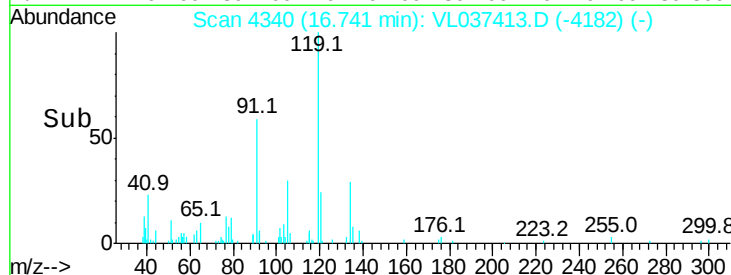
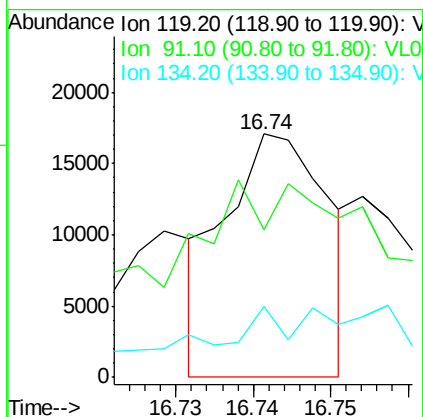
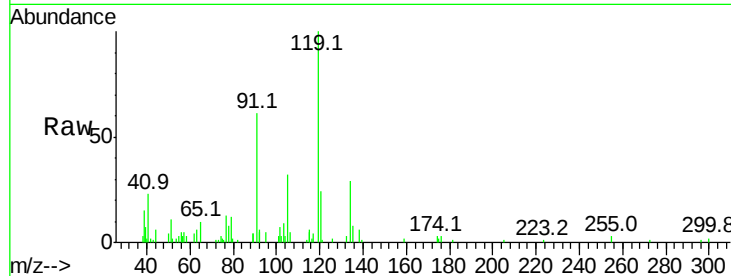




#65
 tert-Butylbenzene
 Concen: 0.035 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. 0.01 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

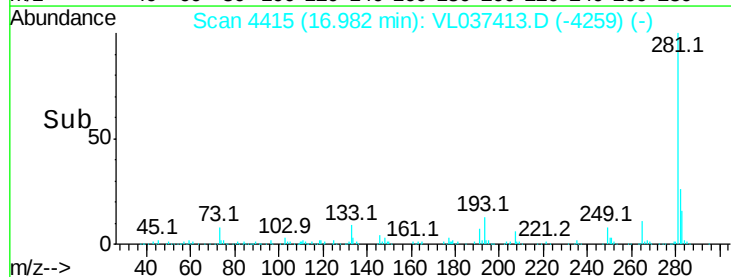
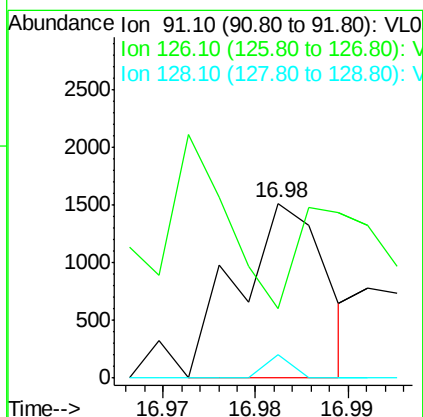
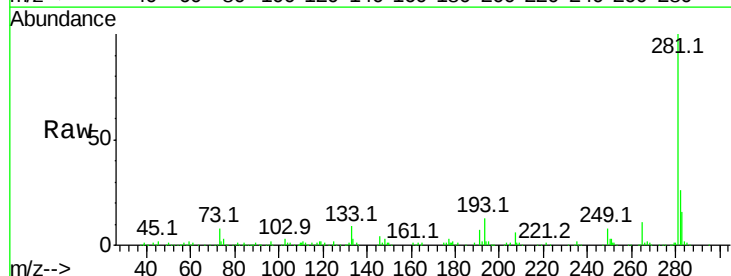
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

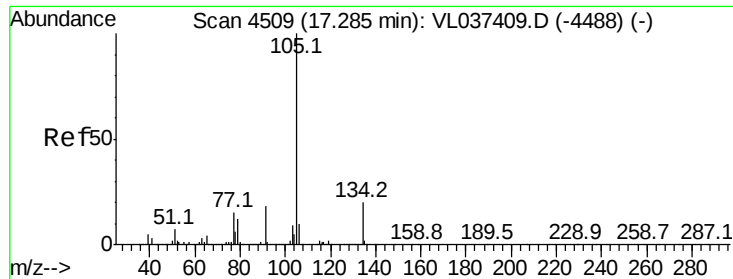
Tgt Ion: 119 Resp: 15774
 Ion Ratio Lower Upper
 119 100
 91 246.2 62.2 93.4#
 134 0.0 16.1 24.1#



#66
 Benzyl Chloride
 Concen: 0.052 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Tgt Ion: 91 Resp: 986
 Ion Ratio Lower Upper
 91 100
 126 311.2 14.3 21.5#
 128 0.0 4.6 7.0#

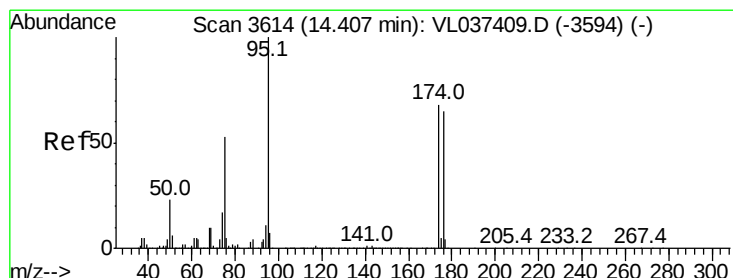
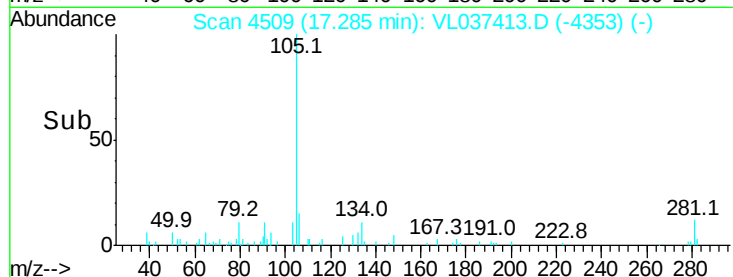
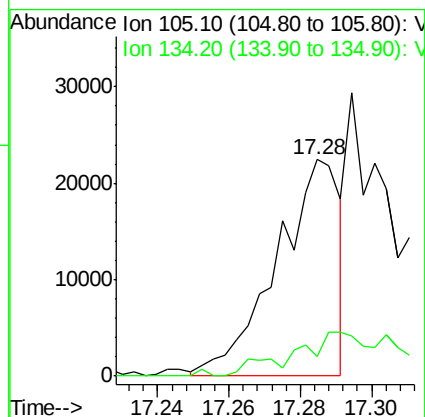
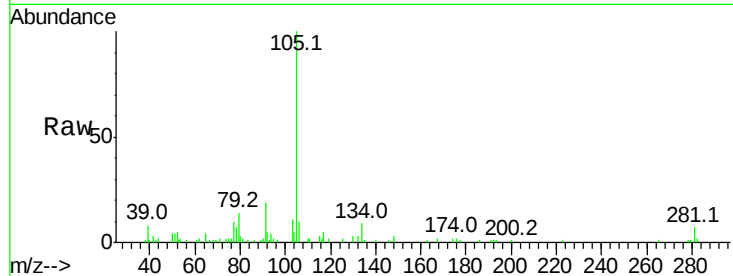




#67
 sec-Butylbenzene
 Concen: 0.045 ppbv
 RT: 17.28 min Scan# 4509
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

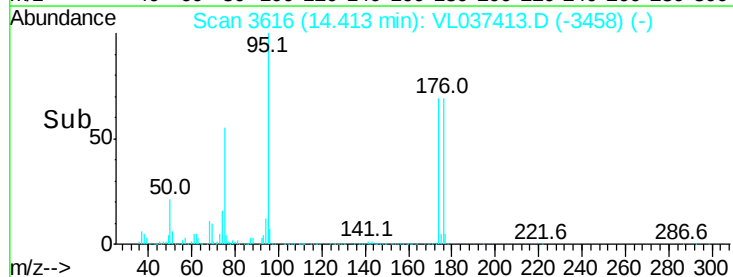
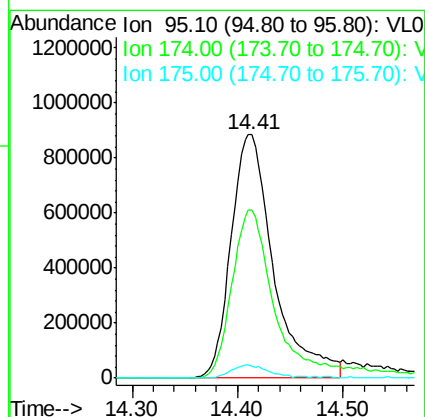
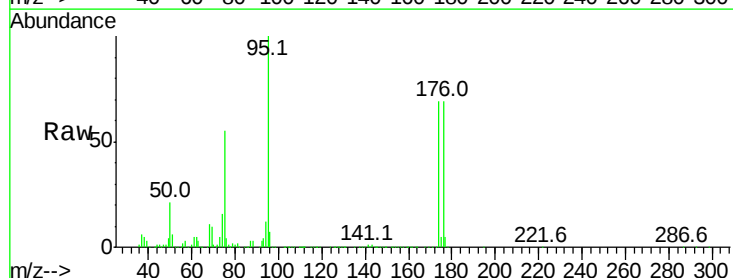
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

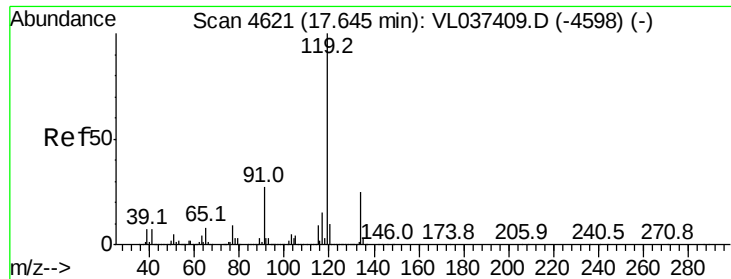
Tgt Ion: 105 Resp: 27511
 Ion Ratio Lower Upper
 105 100
 134 45.3 15.4 23.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.050 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.01 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Tgt Ion: 95 Resp: 2489252
 Ion Ratio Lower Upper
 95 100
 174 74.1 59.6 89.4
 175 5.2 4.3 6.5

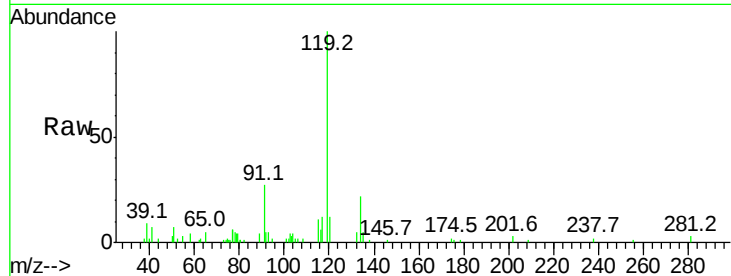




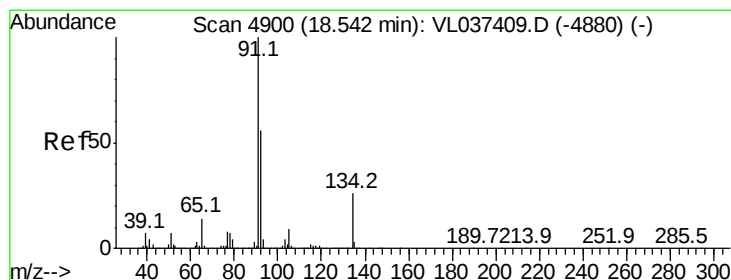
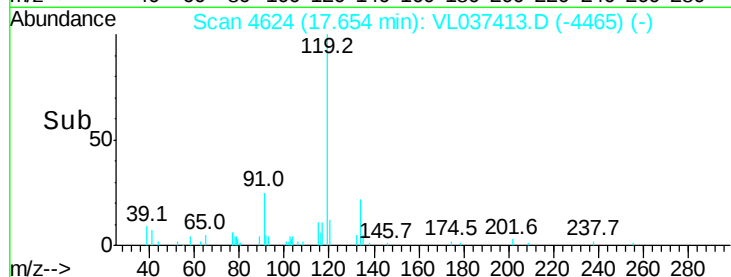
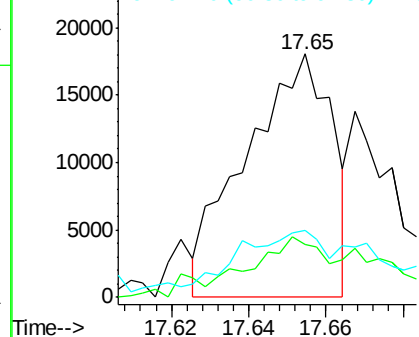
#69
 p-Isopropyltoluene
 Concen: 0.056 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. 0.01 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion	Ratio	Lower	Upper
119	100		
134	41.9	20.6	31.0#
91	54.7	22.4	33.6#

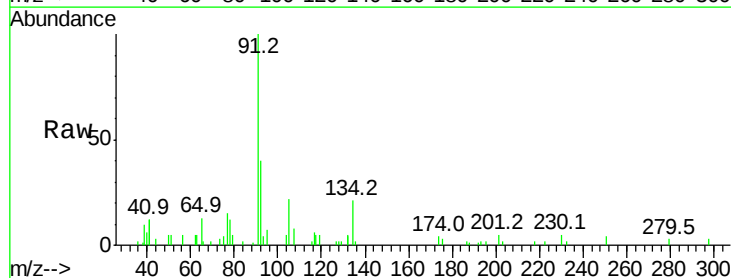


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

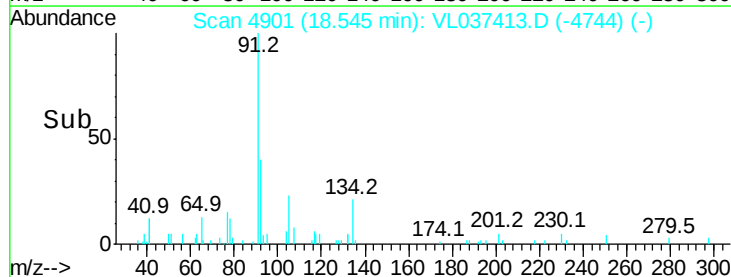
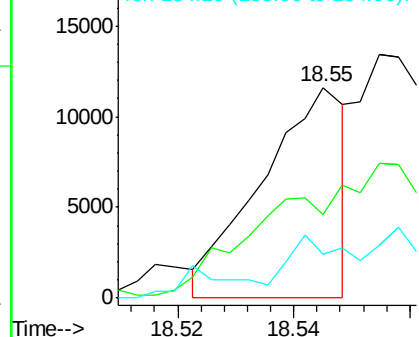


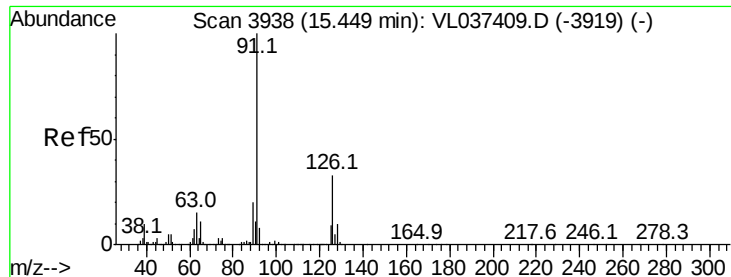
#70
 n-Butylbenzene
 Concen: 0.025 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.2	66.2#
134	0.0	19.5	29.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

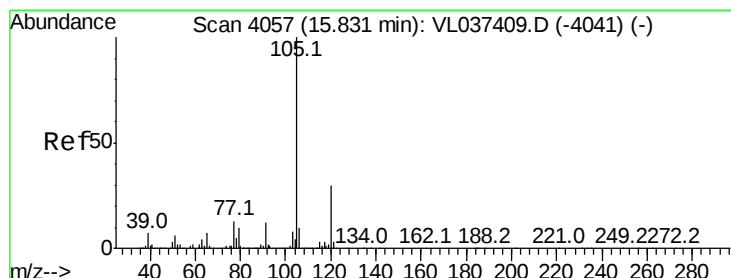
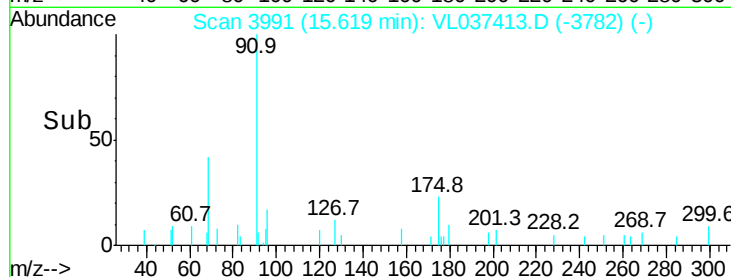
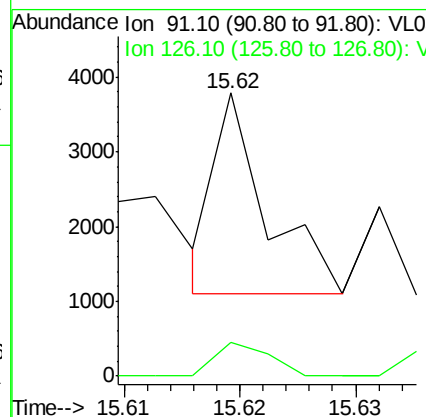
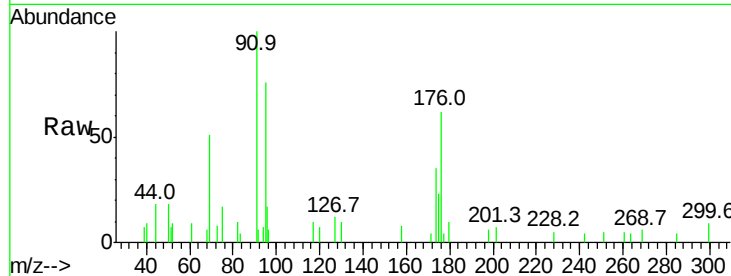




#71
 2-Chlorotoluene
 Concen: 0.002 ppbv
 RT: 15.62 min Scan# 3991
 Delta R.T. 0.17 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

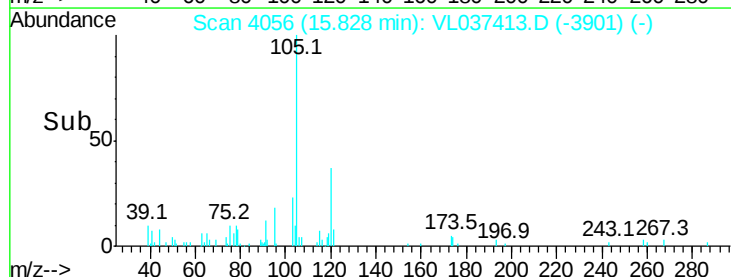
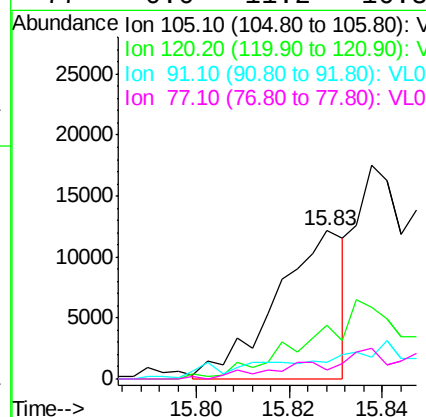
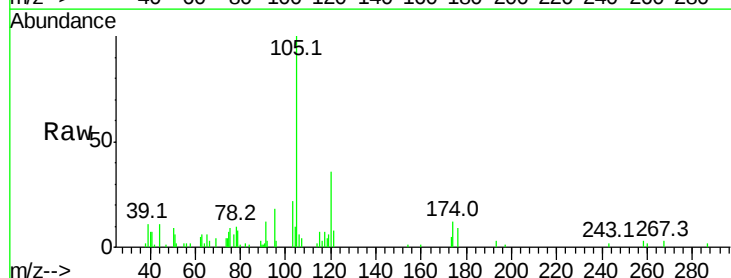
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

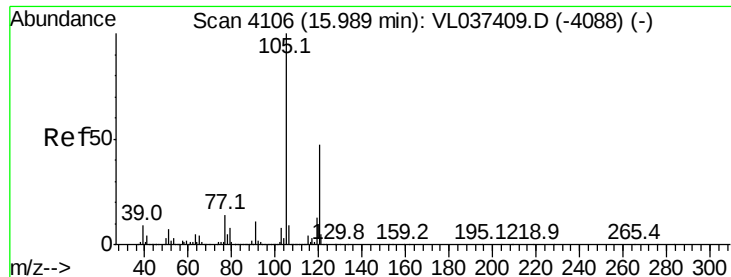
Tgt Ion: 91 Resp: 835
 Ion Ratio Lower Upper
 91 100
 126 25.3 13.5 53.9



#72
 4-Ethyltoluene
 Concen: 0.030 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Tgt Ion: 105 Resp: 12538
 Ion Ratio Lower Upper
 105 100
 120 0.0 25.0 37.4#
 91 0.0 11.2 16.8#
 77 0.0 11.2 16.8#

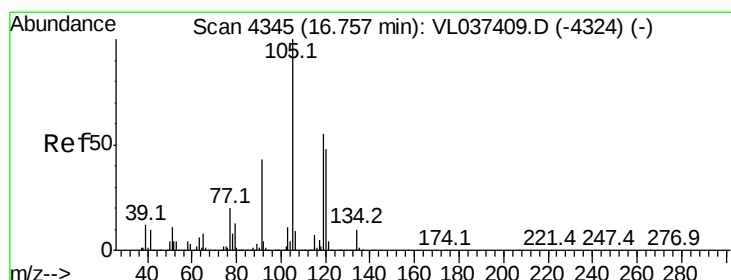
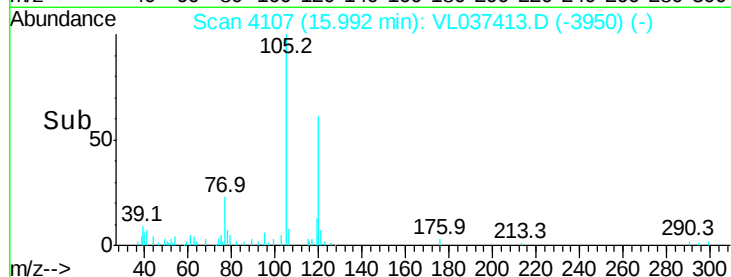
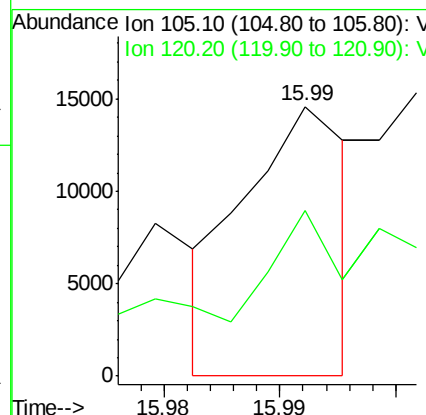
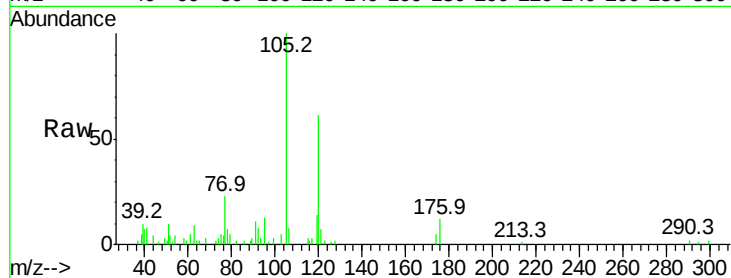




#73
 1,3,5-Trimethylbenzene
 Concen: 0.024 ppbv
 RT: 15.99 min Scan# 4107
 Delta R.T. 0.00 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

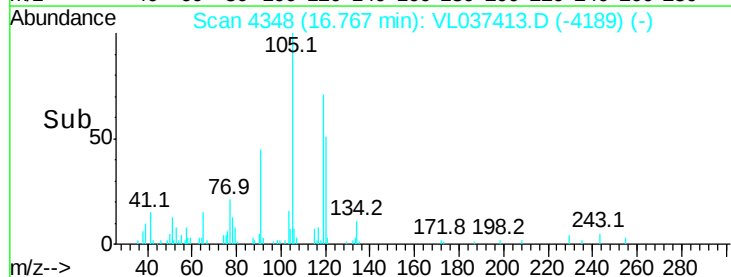
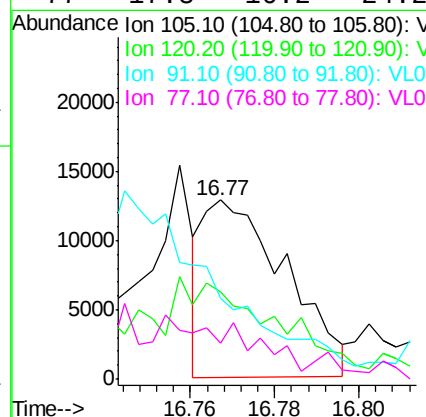
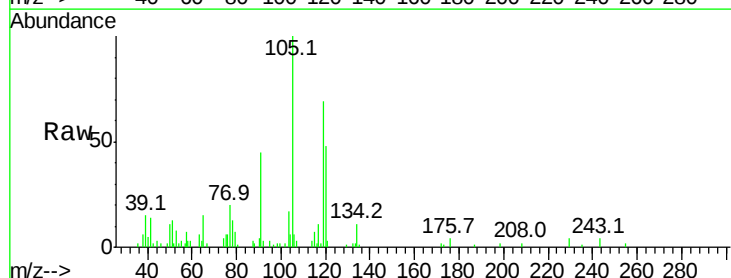
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

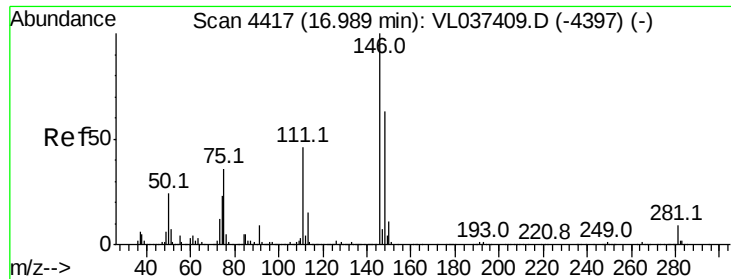
Tgt Ion:105 Resp: 9117
 Ion Ratio Lower Upper
 105 100
 120 67.7 37.4 56.0#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.045 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.01 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Tgt Ion:105 Resp: 17533
 Ion Ratio Lower Upper
 105 100
 120 46.3 38.2 57.2
 91 42.4 35.4 53.2
 77 17.8 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 0.038 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.01 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

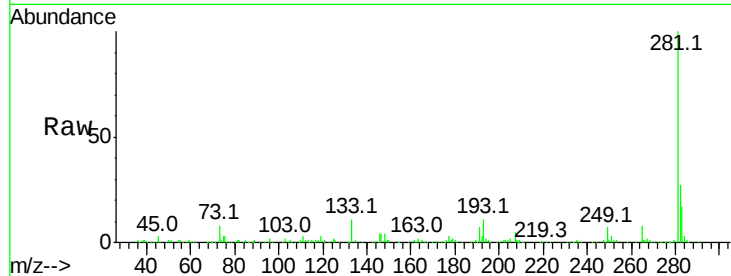
Tgt Ion:146 Resp: 9099

Ion Ratio Lower Upper

146 100

111 168.5 22.9 68.7#

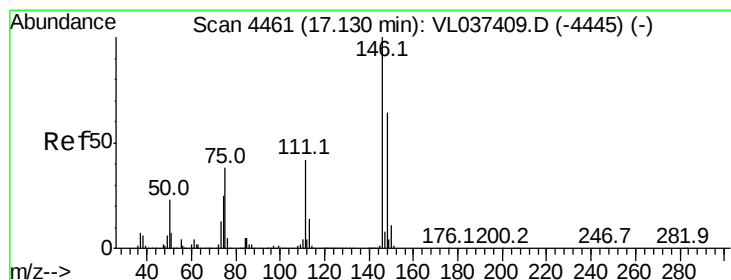
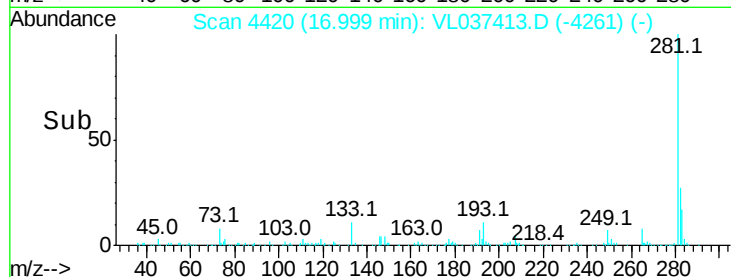
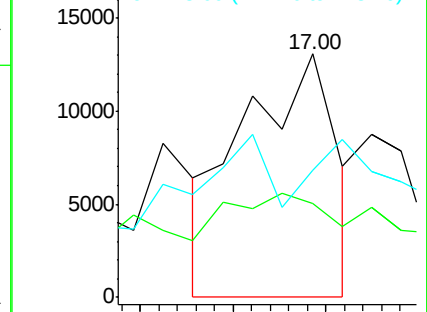
148 243.8 32.0 96.2#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.048 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

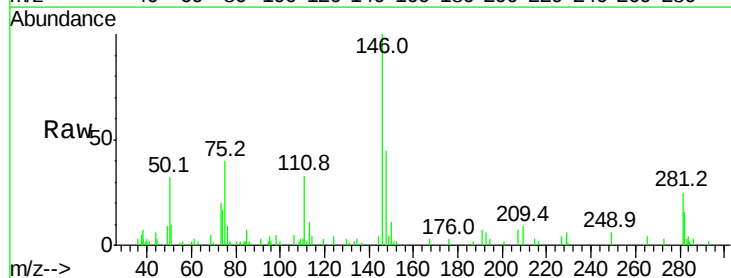
Tgt Ion:146 Resp: 11200

Ion Ratio Lower Upper

146 100

111 0.0 22.8 68.4#

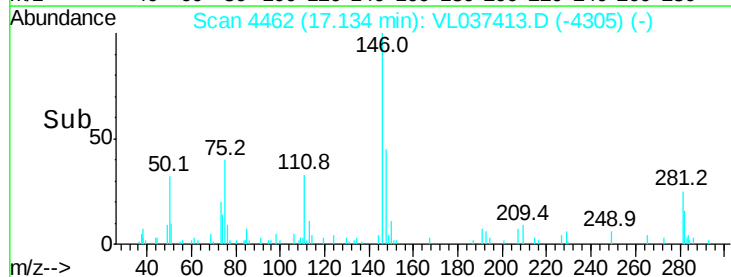
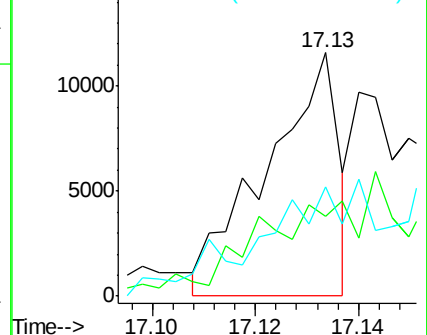
148 0.0 34.0 102.0#

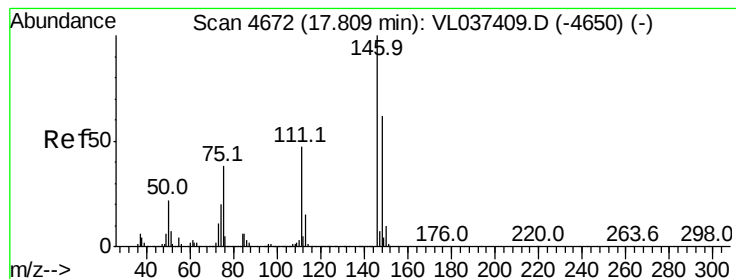


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.041 ppbv

RT: 17.81 min Scan# 4673

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

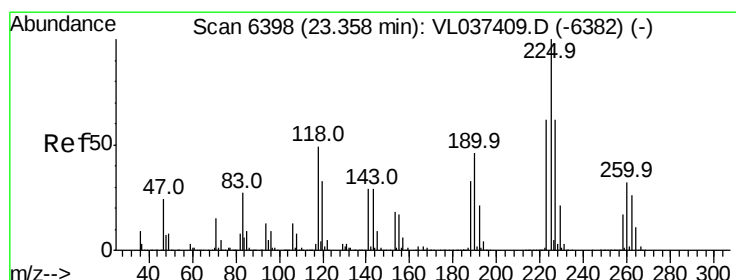
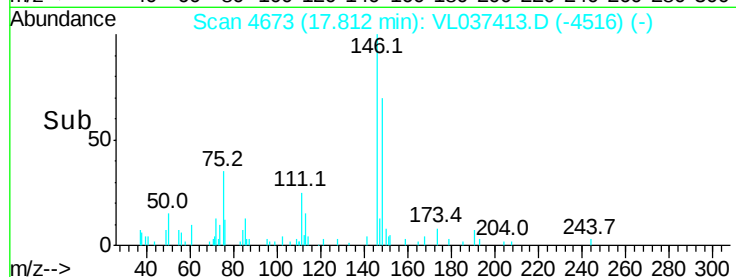
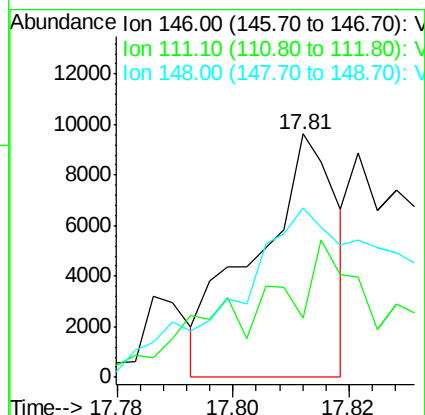
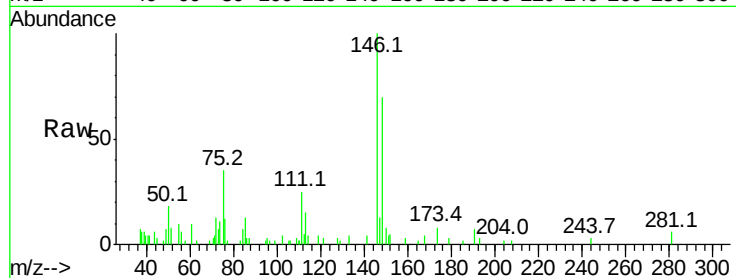
Tgt Ion:146 Resp: 9324

Ion Ratio Lower Upper

146 100

111 137.7 23.8 71.5#

148 179.4 32.5 97.4#



#78

Hexachloro-1,3-Butadiene

Concen: 0.051 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

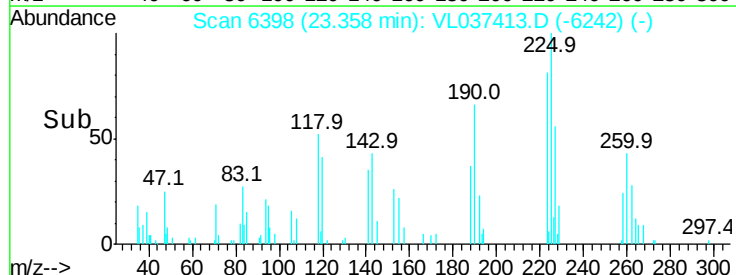
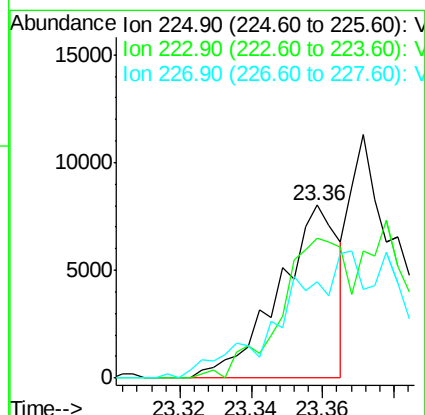
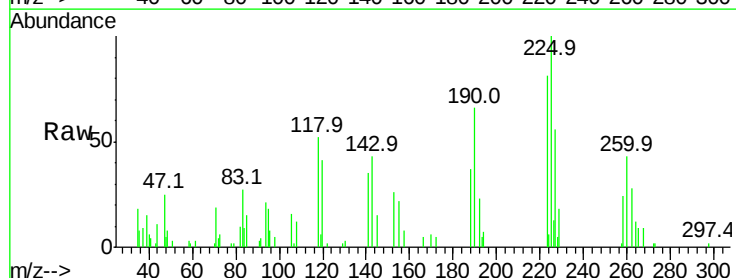
Tgt Ion:225 Resp: 9359

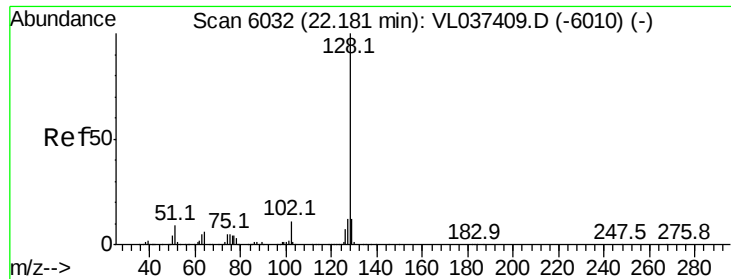
Ion Ratio Lower Upper

225 100

223 0.0 51.2 76.8#

227 0.0 52.2 78.4#





#79

Naphthalene

Concen: 0.003 ppbv

RT: 22.18 min Scan# 6033

Delta R.T. 0.00 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

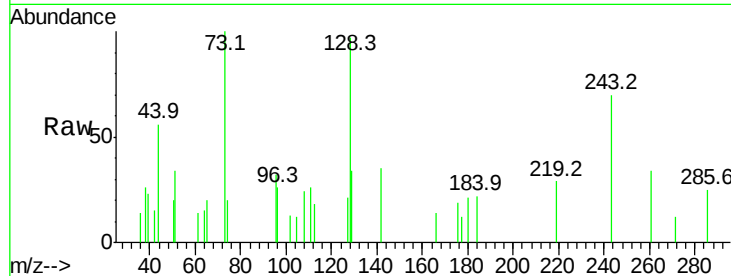
Tgt Ion:128 Resp: 719

Ion Ratio Lower Upper

128 100

127 37.5 9.9 14.9#

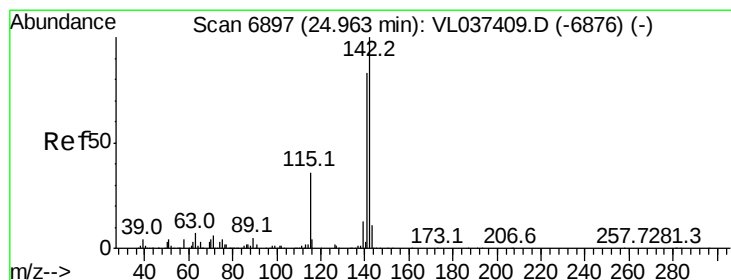
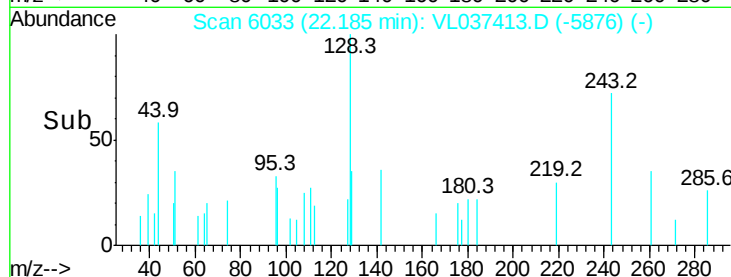
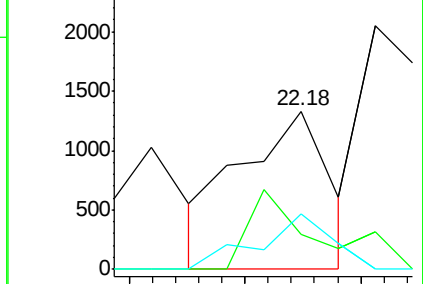
129 59.9 9.4 14.0#



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: 0.007 ppbv

RT: 25.05 min Scan# 6925

Delta R.T. 0.09 min

Lab File: VL037413.D

Acq: 12 Aug 2021 13:32

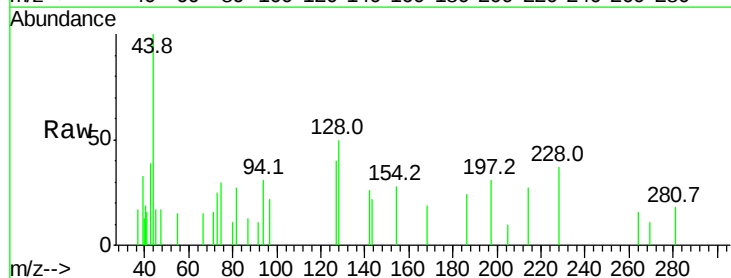
Tgt Ion:142 Resp: 310

Ion Ratio Lower Upper

142 100

141 171.6 68.7 103.1#

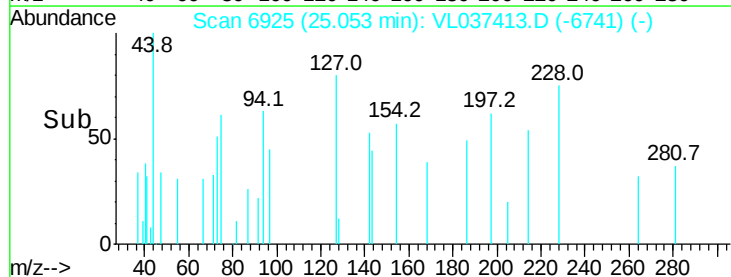
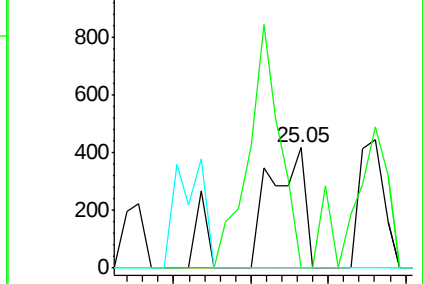
115 59.7 32.7 49.1#

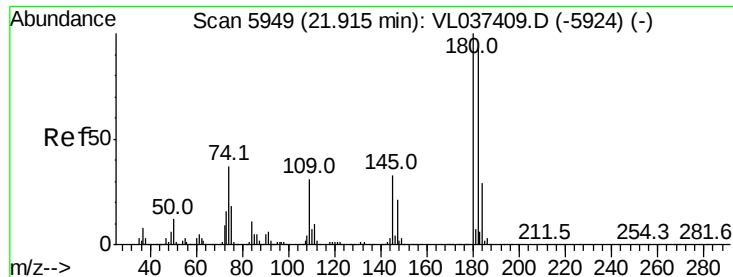


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.012 ppbv
 RT: 21.91 min Scan# 5946
 Delta R.T. -0.01 min
 Lab File: VL037413.D
 Acq: 12 Aug 2021 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion:180 Resp: 1738
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.6 118.0#
 184 0.0 24.6 36.8#

