

Data File : VL037414.D

Acq On : 12 Aug 2021 14:09

Operator : SY/AP

Sample : VSTDIC0.03

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Quant Time: Aug 12 14:44:33 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	1260037	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3845085	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3234303	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2276205	9.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.40%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	7504	0.033	ppbv	99
3) Chlorodifluoromethane	2.99	51	12839	0.055	ppbv	94
4) Chloromethane	3.14	50	1733	0.020	ppbv #	53
5) Vinyl Chloride	3.26	62	2920	0.033	ppbv	93
6) Bromomethane	3.48	94	359	0.007	ppbv #	4
7) Chloroethane	3.56	64	1120	0.037	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	5756	0.029	ppbv #	13
9) Propene	3.02	41	3802	0.048	ppbv #	1
10) Heptane	8.12	43	3713	0.020	ppbv #	2
11) Trichlorofluoromethane	4.00	101	331	0.002	ppbv	84
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1232	0.009	ppbv #	11
13) Ethanol	3.62	45	130	0.014	ppbv #	31
14) Bromoethene	3.74	108	1355	0.022	ppbv #	1
15) Acetone	3.89	43	15183	0.126	ppbv #	44
16) 1,3-Butadiene	3.33	39	1637	0.019	ppbv #	1
17) tert-Butyl alcohol	4.29	59	140	0.001	ppbv #	72
18) 1,1-Dichloroethene	4.28	96	191	0.003	ppbv #	76
19) Isopropyl Alcohol	3.99	45	175	0.003	ppbv #	1
20) Methylene Chloride	4.34	84	4663	0.072	ppbv #	84
21) Allyl Chloride	4.41	41	1835	0.019	ppbv #	8
22) trans-1,2-Dichloroethene	4.88	96	2584	0.044	ppbv #	57
23) Vinyl Acetate	5.07	43	1691	0.009	ppbv #	1
24) 1,1-Dichloroethane	5.01	63	3263	0.022	ppbv #	89
25) Ethyl Acetate	5.68	43	1429	0.005	ppbv #	75
26) Hexane	5.68	57	6012	0.039	ppbv #	3
27) Carbon Disulfide	4.56	76	3109	0.024	ppbv #	64
28) Methyl tert-Butyl Ether	5.05	73	472	0.003	ppbv #	52
29) Chloroform	5.75	83	7180	0.032	ppbv	86
30) Cyclohexane	7.13	84	1836	0.014	ppbv #	1
31) cis-1,2-Dichloroethene	5.57	61	533	0.004	ppbv	86
32) 1,1,1-Trichloroethane	6.52	97	3487	0.016	ppbv #	22
34) 2-Butanone	5.25	43	1429	0.010	ppbv #	54
35) Carbon Tetrachloride	7.01	117	6745	0.031	ppbv #	31
36) Benzene	6.89	78	3760	0.012	ppbv #	46
37) 1,2-Dichloroethane	6.30	62	2675	0.017	ppbv #	80
38) Trichloroethene	7.83	130	1580	0.012	ppbv #	35
39) 1,2-Dichloropropane	7.18	63	897212	8.043	ppbv #	26
40) 1,4-Dioxane	7.83	88	137	0.005	ppbv #	100
41) Tetrahydrofuran	6.07	42	336	0.005	ppbv #	66
42) Bromodichloromethane	7.79	83	3596	0.016	ppbv #	40
43) Methyl Methacrylate	8.00	69	119	0.001	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

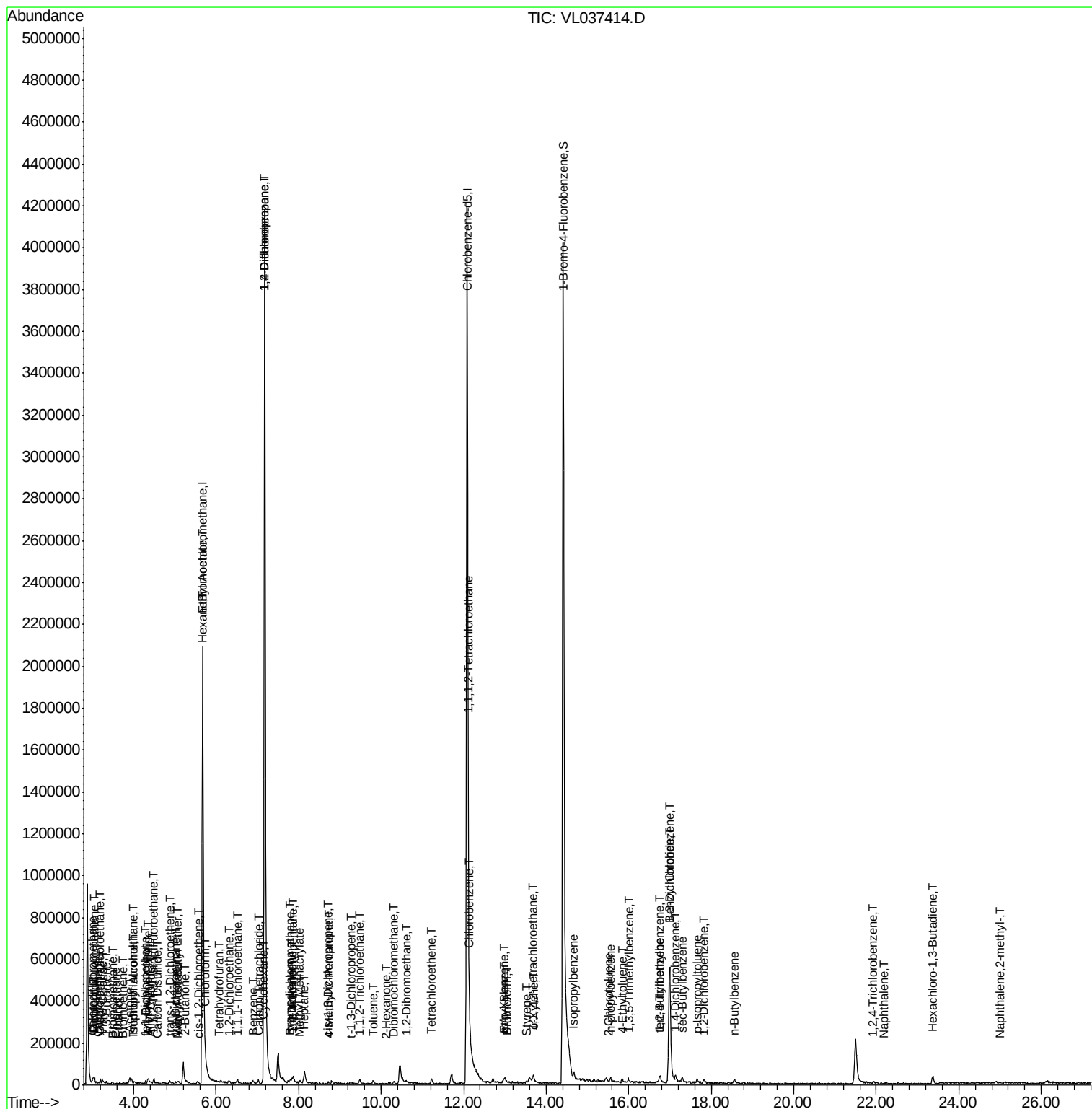
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	16872	0.033	ppbv #	60
45) t-1,3-Dichloropropene	9.27	75	426	0.005	ppbv #	44
46) cis-1,3-Dichloropropene	8.71	75	1652	0.015	ppbv #	79
47) 1,1,2-Trichloroethane	9.46	97	1944	0.015	ppbv #	57
48) Dibromochloromethane	10.30	129	1780	0.010	ppbv #	10
49) Bromoform	13.05	173	775	0.005	ppbv #	1
50) 4-Methyl-2-Pentanone	8.74	43	327	0.002	ppbv #	38
51) 2-Hexanone	10.12	43	101	0.001	ppbv #	27
52) Tetrachloroethene	11.22	164	1687	0.014	ppbv #	26
53) Toluene	9.80	91	4722	0.013	ppbv #	20
54) 1,2-Dibromoethane	10.60	107	1614	0.009	ppbv #	82
56) 1,1,1,2-Tetrachloroethane	12.12	131	831	0.007	ppbv #	1
57) Chlorobenzene	12.14	112	2620	0.010	ppbv #	71
58) Ethyl Benzene	12.97	91	5690	0.013	ppbv #	93
59) m/p-Xylene	12.99	91	5613	0.015	ppbv #	31
60) o-Xylene	13.69	91	8000	0.023	ppbv #	29
61) Styrene	13.53	104	1943	0.011	ppbv #	1
62) Isopropylbenzene	14.66	105	8353	0.017	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.67	83	3281	0.013	ppbv #	24
64) n-propylbenzene	15.56	120	1549	0.013	ppbv #	1
65) tert-Butylbenzene	16.74	119	4320	0.010	ppbv #	20
66) Benzyl Chloride	16.98	91	133	0.007	ppbv #	65
67) sec-Butylbenzene	17.29	105	5309	0.009	ppbv #	58
69) p-Isopropyltoluene	17.65	119	4619	0.010	ppbv #	48
70) n-Butylbenzene	18.54	91	1117	0.002	ppbv #	32
71) 2-Chlorotoluene	15.51	91	581	0.002	ppbv #	75
72) 4-Ethyltoluene	15.84	105	2292	0.006	ppbv #	54
73) 1,3,5-Trimethylbenzene	15.99	105	2698	0.007	ppbv #	99
74) 1,2,4-Trimethylbenzene	16.76	105	4227	0.011	ppbv #	45
75) 1,3-Dichlorobenzene	16.99	146	2221	0.010	ppbv #	23
76) 1,4-Dichlorobenzene	17.12	146	2473	0.011	ppbv #	22
77) 1,2-Dichlorobenzene	17.81	146	1700	0.008	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.36	225	1129	0.006	ppbv #	18
79) Naphthalene	22.18	128	177	0.001	ppbv #	1
80) Naphthalene,2-methyl-	25.00	142	166	0.004	ppbv #	29
81) 1,2,4-Trichlorobenzene	21.91	180	341	0.002	ppbv #	11

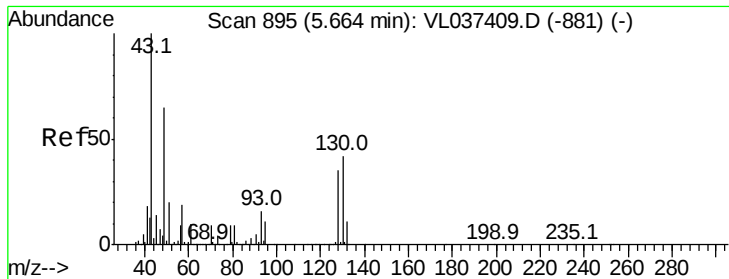
(#)=qualifier out of range (m)=manual integration (+)=signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

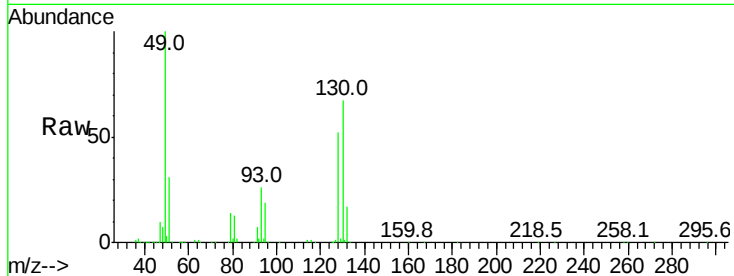
Tgt Ion: 49 Resp: 1260037

Ion Ratio Lower Upper

49 100

128 56.5 27.9 83.6

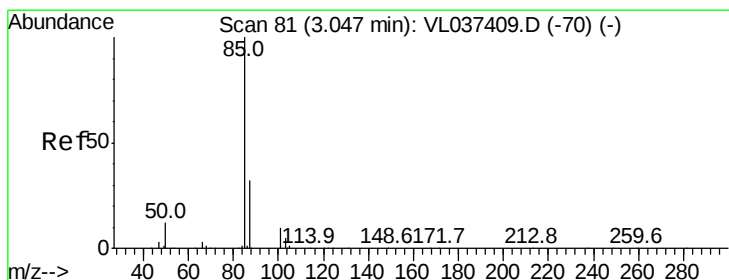
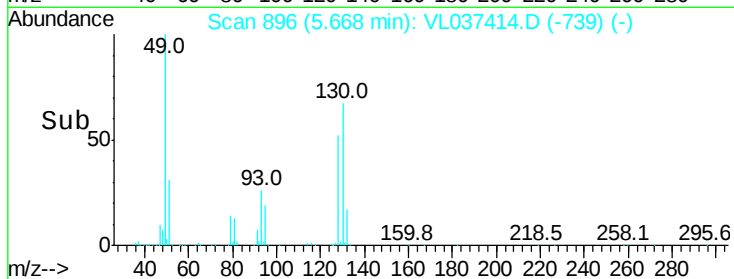
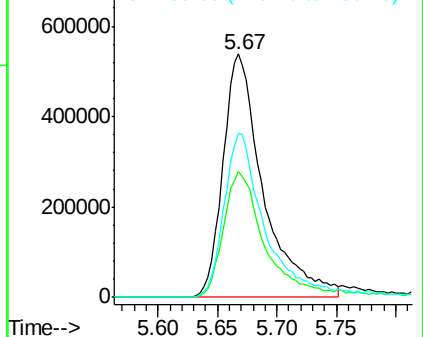
130 71.4 34.6 103.8



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: 0.033 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL037414.D

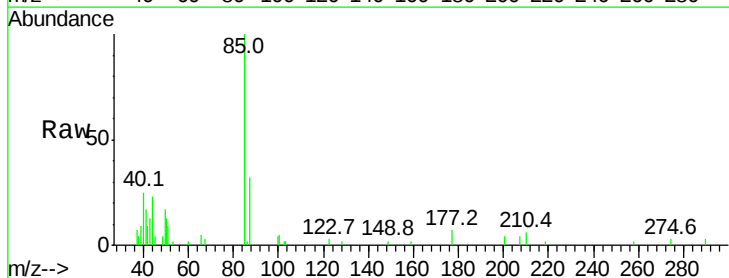
Acq: 12 Aug 2021 14:09

Tgt Ion: 85 Resp: 7504

Ion Ratio Lower Upper

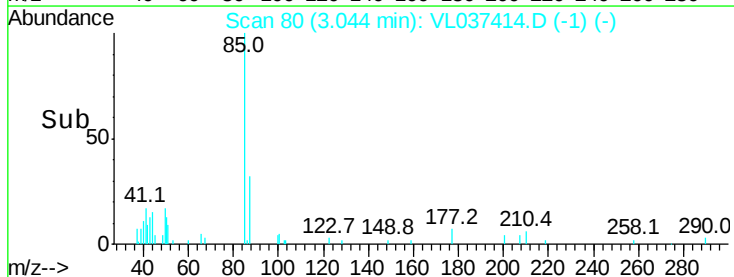
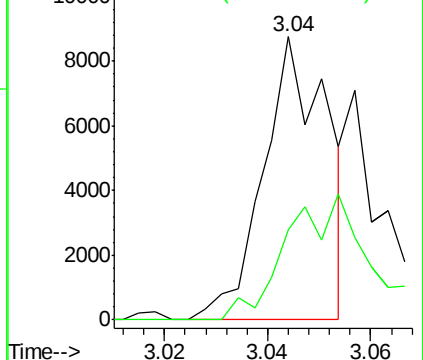
85 100

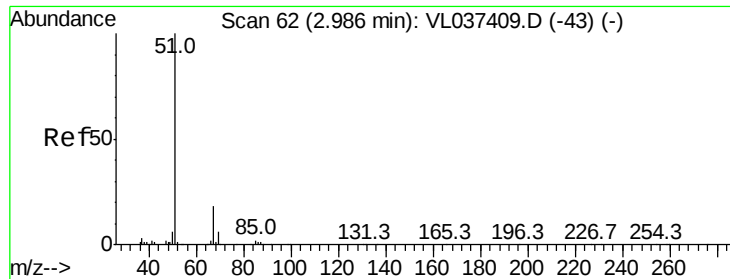
87 31.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

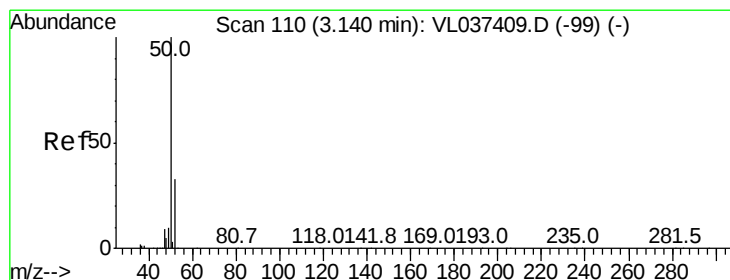
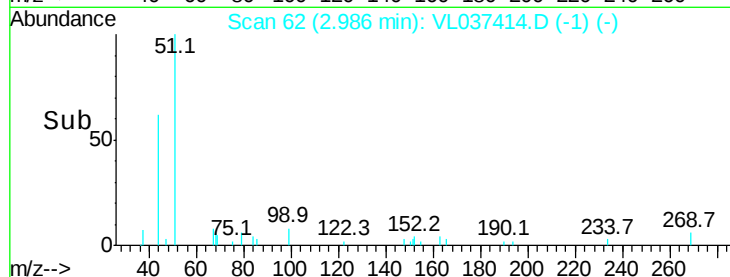
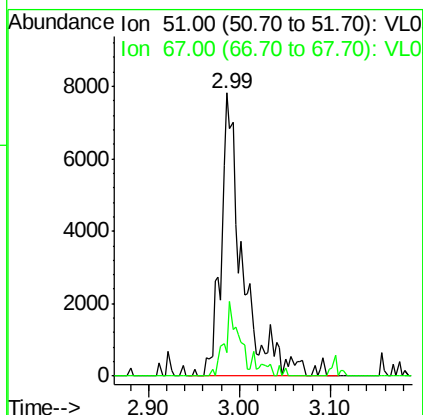
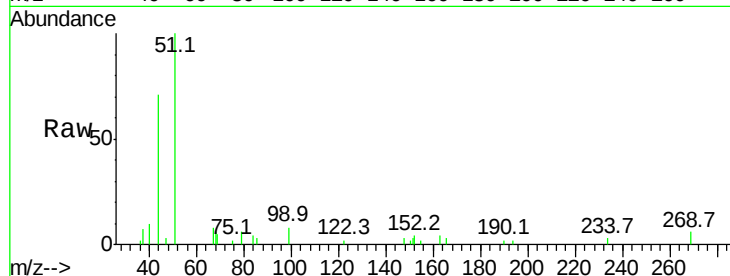




#3
Chlorodifluoromethane
Concen: 0.055 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

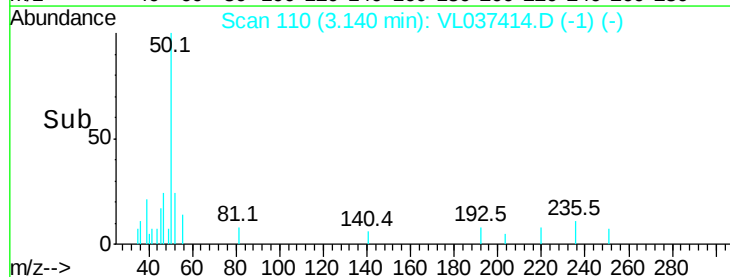
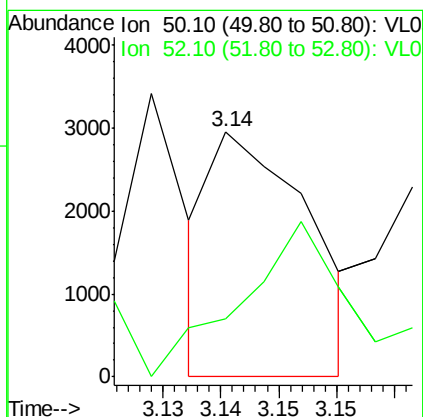
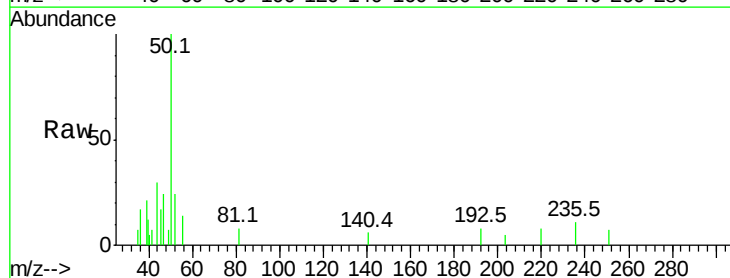
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

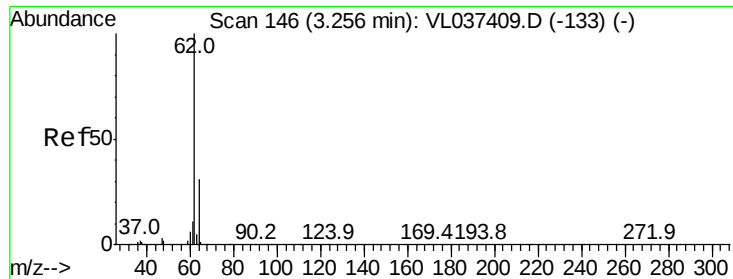
Tgt Ion: 51 Resp: 12839
Ion Ratio Lower Upper
51 100
67 21.0 14.7 22.1



#4
Chloromethane
Concen: 0.020 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Tgt Ion: 50 Resp: 1733
Ion Ratio Lower Upper
50 100
52 6.1 26.2 39.4#





#5

Vinyl Chloride

Concen: 0.033 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

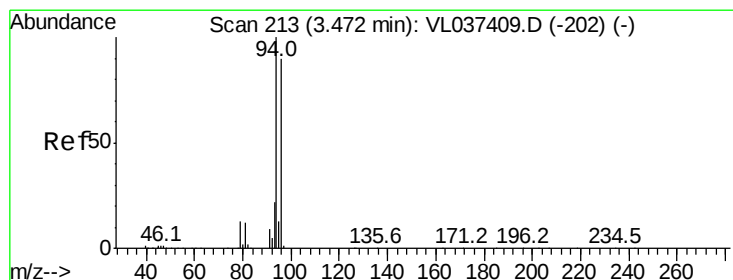
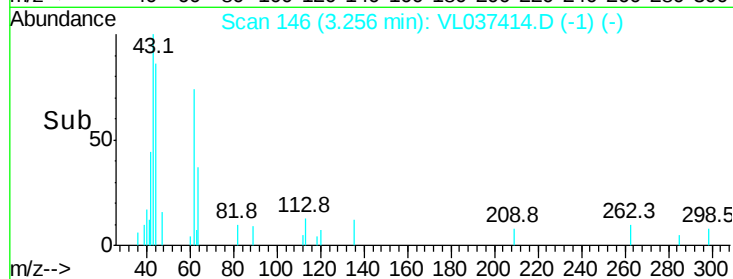
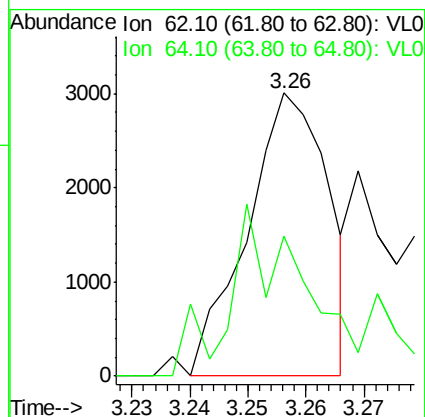
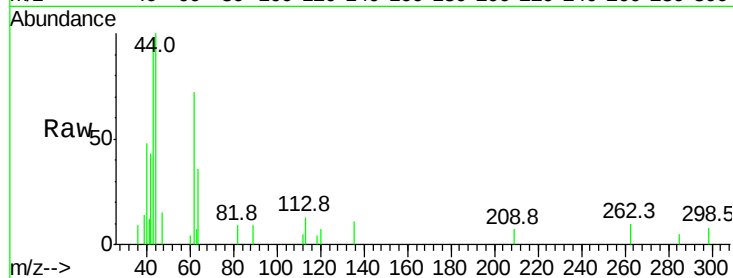
VSTDIC0.03

Tgt Ion: 62 Resp: 2920

Ion Ratio Lower Upper

62 100

64 27.5 25.0 37.6



#6

Bromomethane

Concen: 0.007 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037414.D

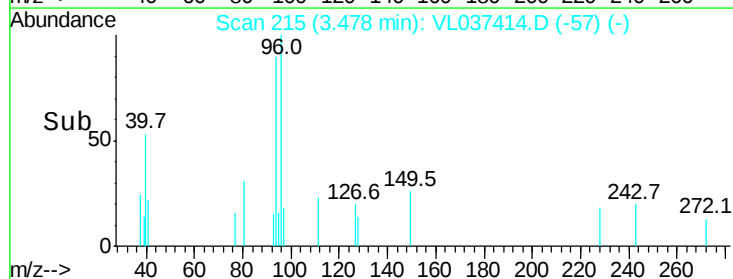
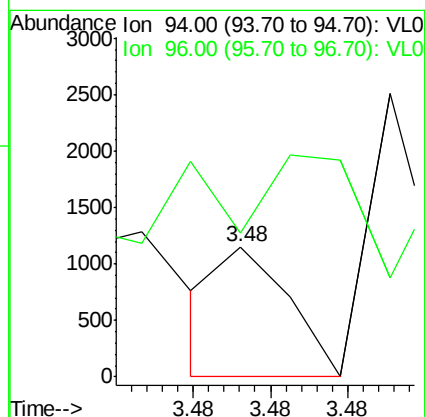
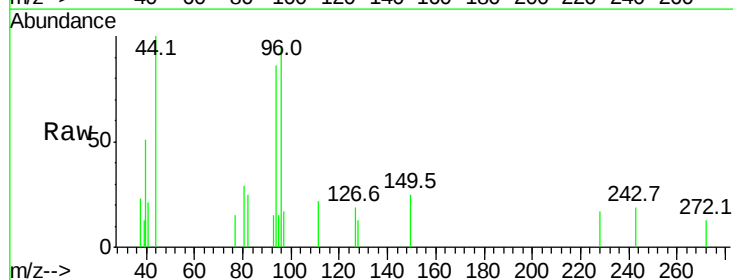
Acq: 12 Aug 2021 14:09

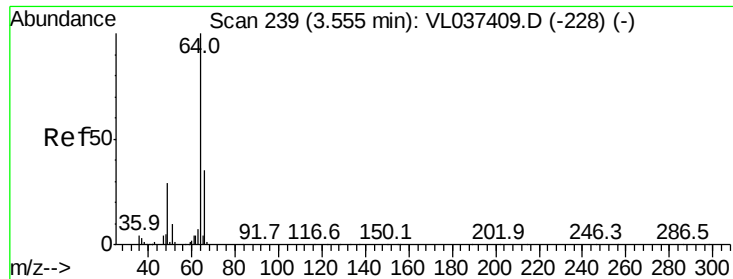
Tgt Ion: 94 Resp: 359

Ion Ratio Lower Upper

94 100

96 0.0 72.2 108.4#





#7

Chloroethane

Concen: 0.037 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

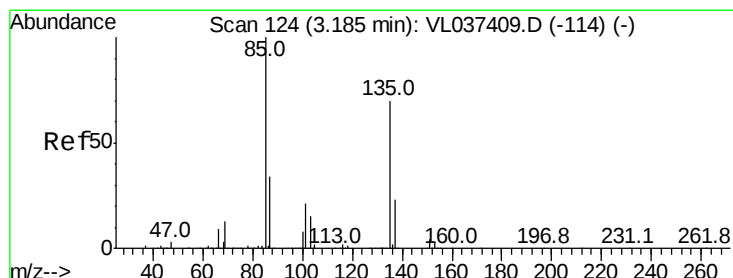
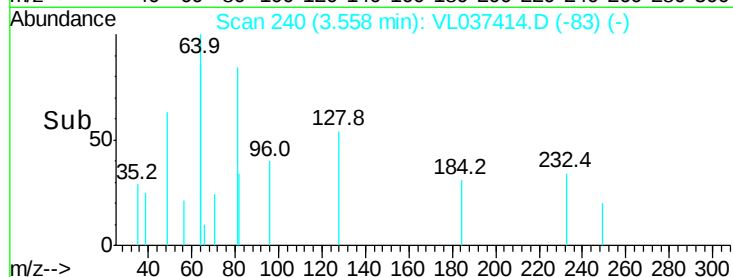
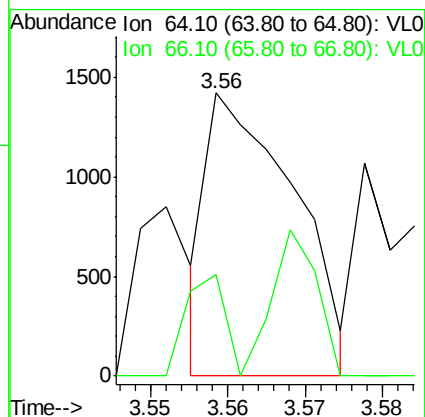
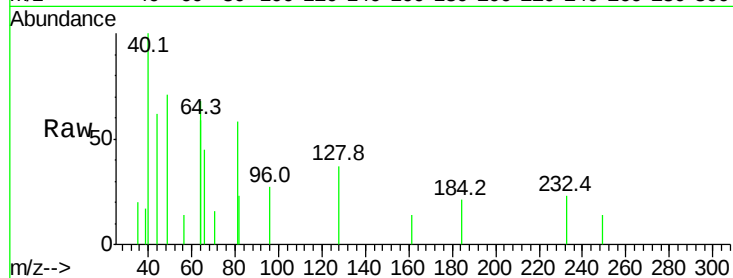
VSTDIC0.03

Tgt Ion: 64 Resp: 1120

Ion Ratio Lower Upper

64 100

66 35.7 27.8 41.8



#8

Dichlorotetrafluoroethane

Concen: 0.029 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037414.D

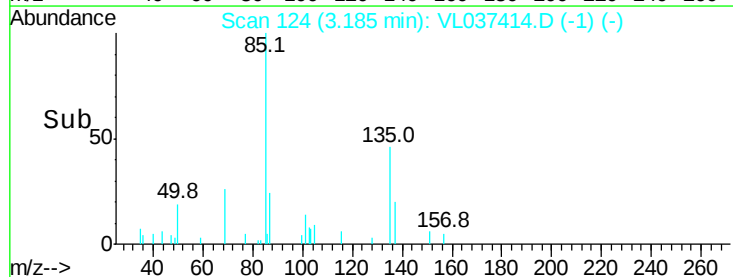
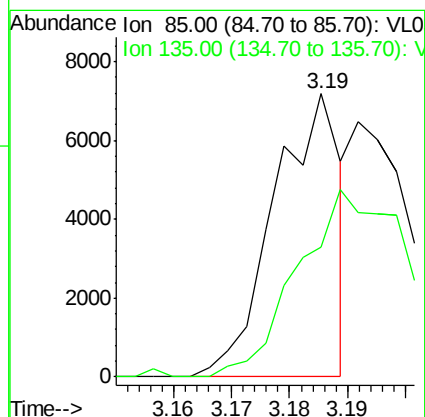
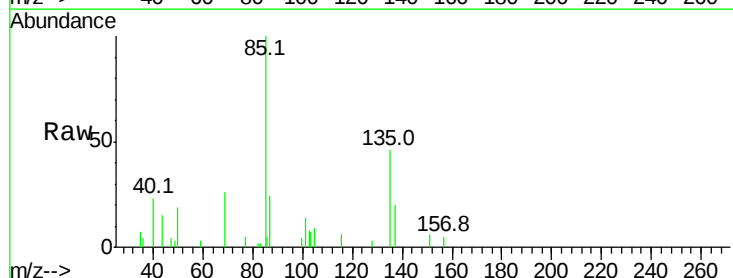
Acq: 12 Aug 2021 14:09

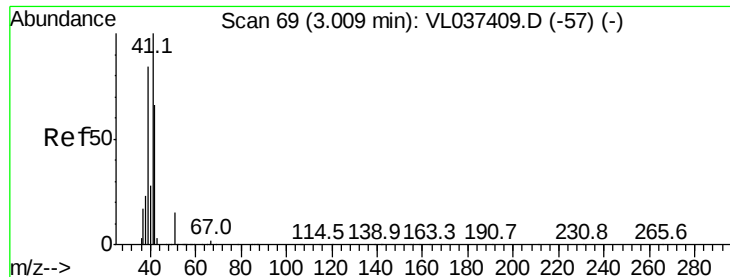
Tgt Ion: 85 Resp: 5756

Ion Ratio Lower Upper

85 100

135 0.0 58.6 88.0#





#9

Propene

Concen: 0.048 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL037414.D

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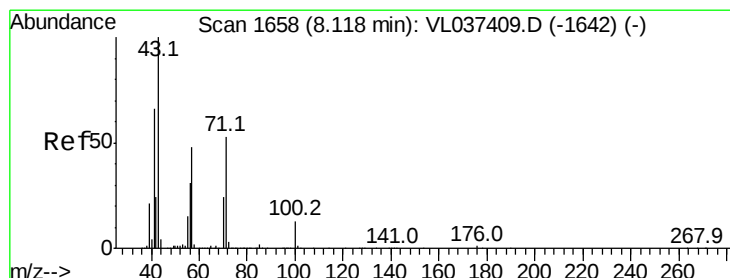
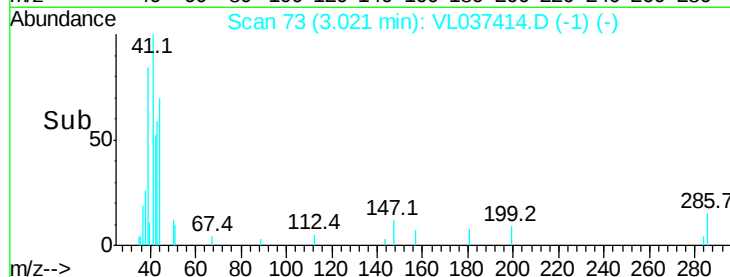
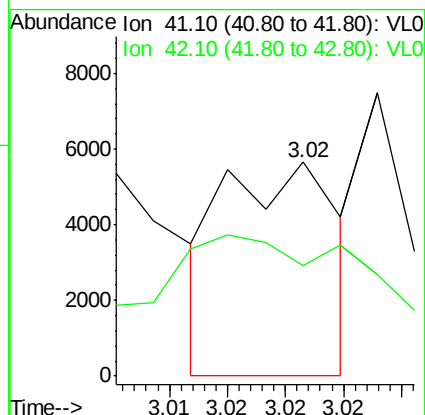
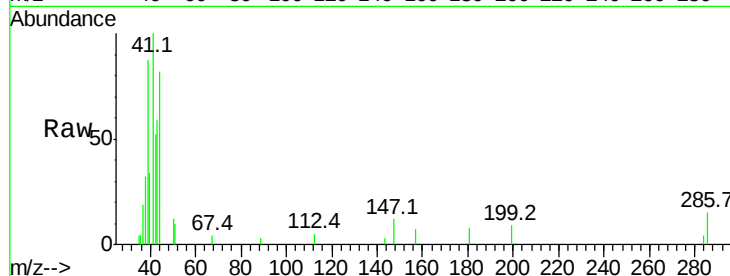
VSTDIC0.03

Tgt Ion: 41 Resp: 3802

Ion Ratio Lower Upper

41 100

42 194.6 53.8 80.8#



#10

Heptane

Concen: 0.020 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL037414.D

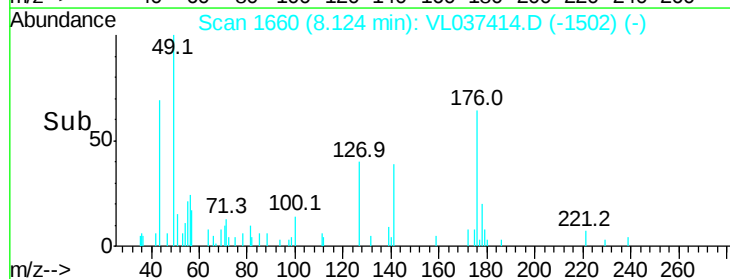
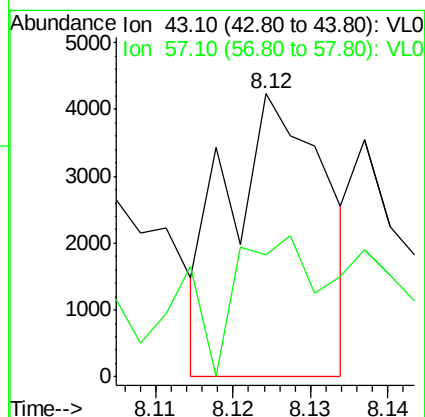
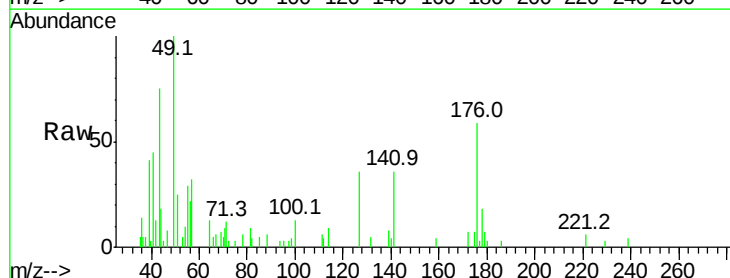
Acq: 12 Aug 2021 14:09

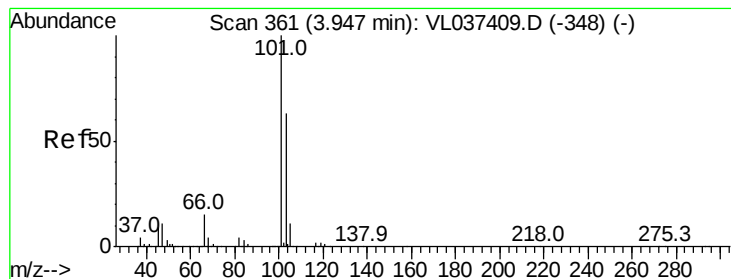
Tgt Ion: 43 Resp: 3713

Ion Ratio Lower Upper

43 100

57 117.9 40.3 60.5#





#11

Trichlorofluoromethane

Concen: 0.002 ppbv

RT: 4.00 min Scan# 376

Delta R.T. 0.05 min

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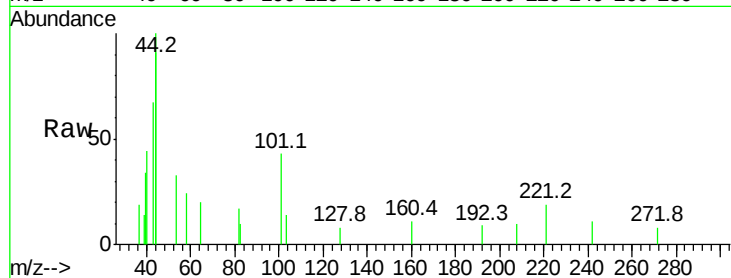
VSTDIC0.03

Tgt Ion:101 Resp: 331

Ion Ratio Lower Upper

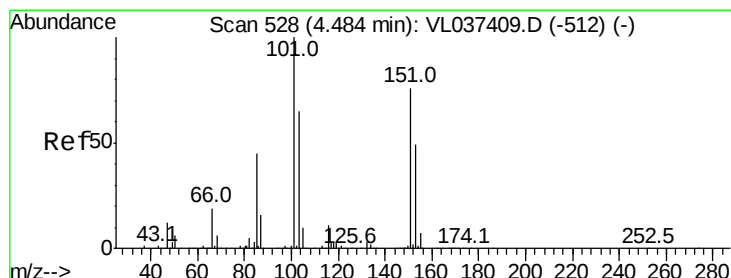
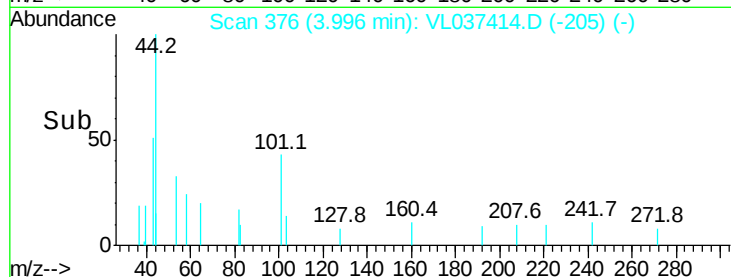
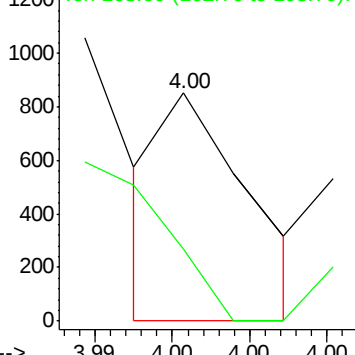
101 100

103 50.7 50.2 75.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.009 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.00 min

Lab File: VL037414.D

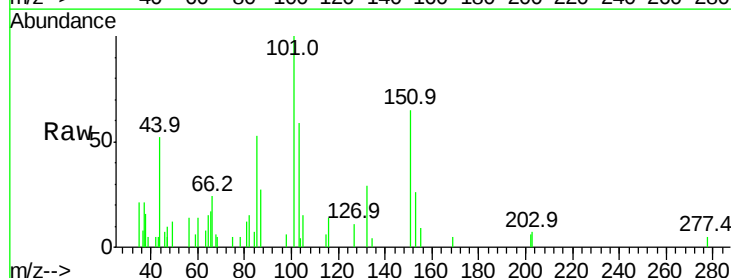
Acq: 12 Aug 2021 14:09

Tgt Ion:101 Resp: 1232

Ion Ratio Lower Upper

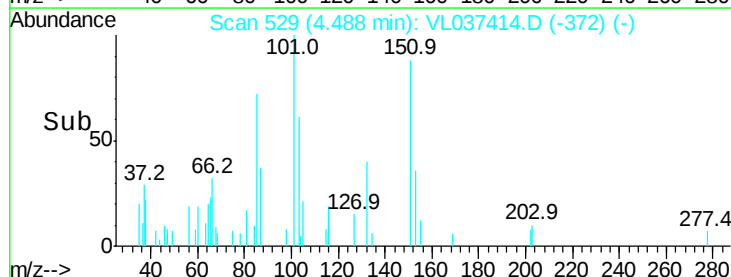
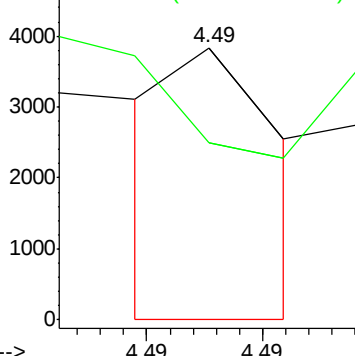
101 100

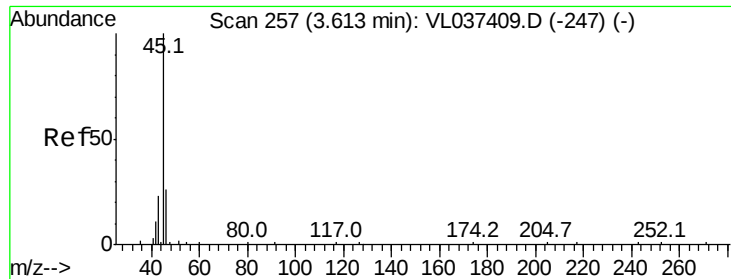
151 0.0 61.2 91.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.014 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

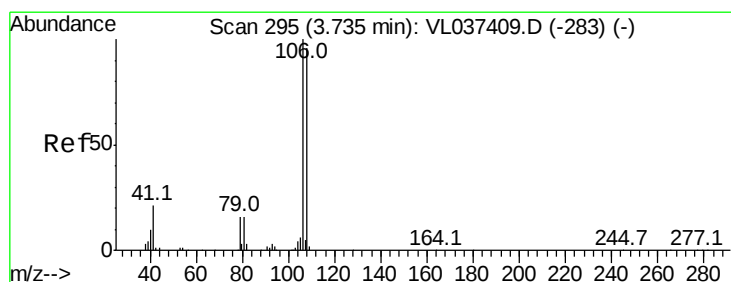
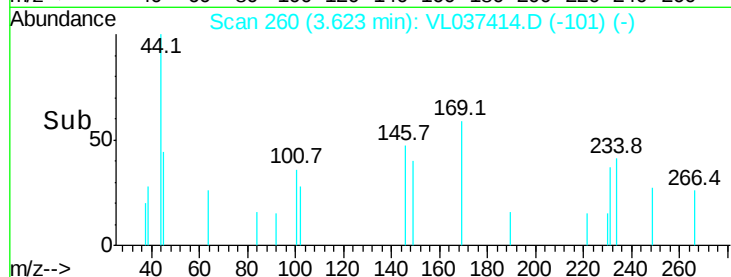
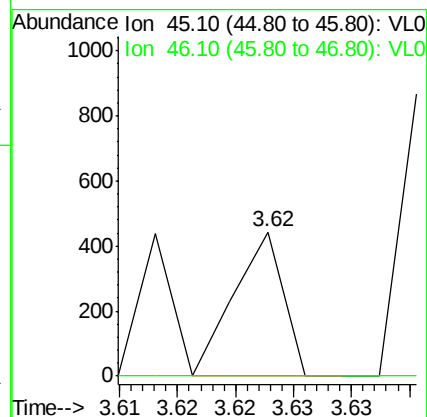
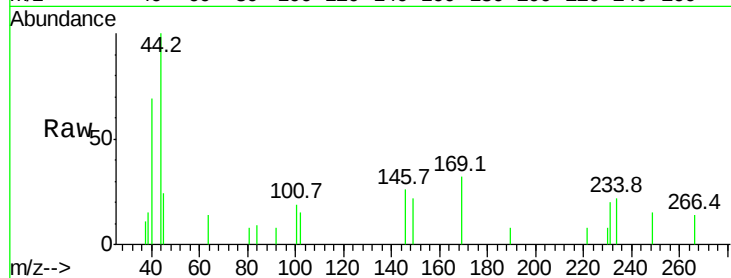
VSTDIC0.03

Tgt Ion: 45 Resp: 130

Ion Ratio Lower Upper

45 100

46 0.0 18.0 72.2#



#14

Bromoethene

Concen: 0.022 ppbv

RT: 3.74 min Scan# 298

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

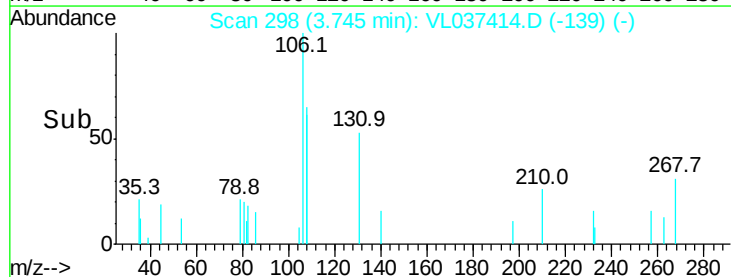
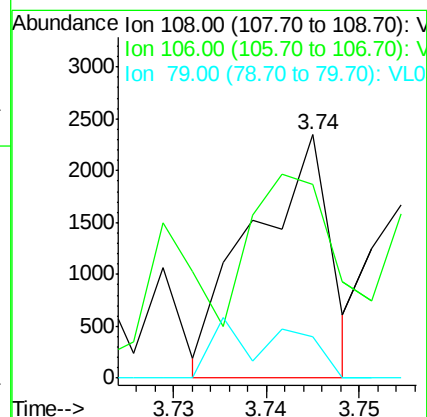
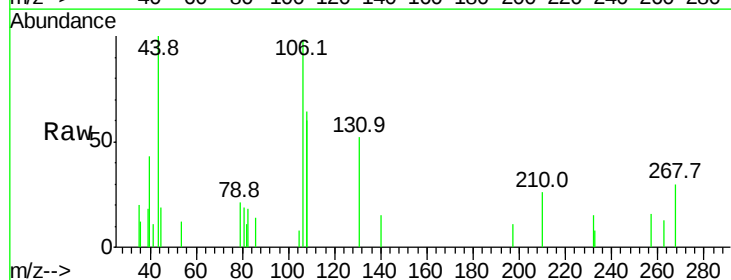
Tgt Ion: 108 Resp: 1355

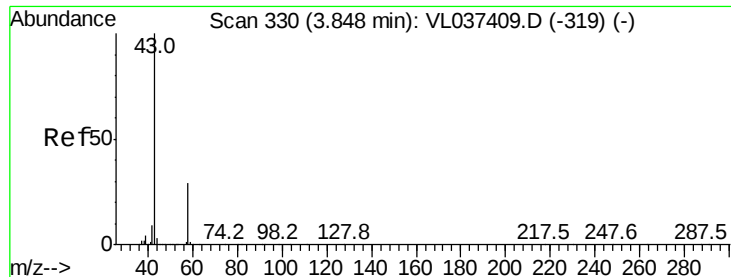
Ion Ratio Lower Upper

108 100

106 255.6 87.5 131.3#

79 23.2 13.5 20.3#





#15

Acetone

Concen: 0.126 ppbv

RT: 3.89 min Scan# 344

Delta R.T. 0.05 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

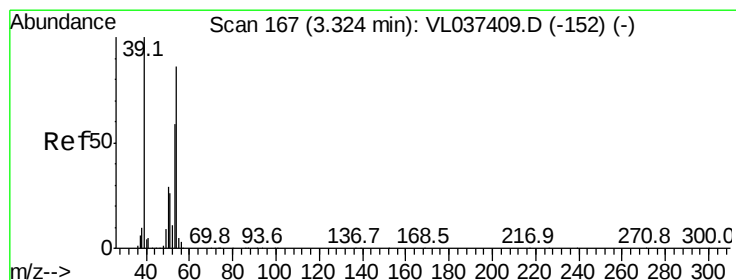
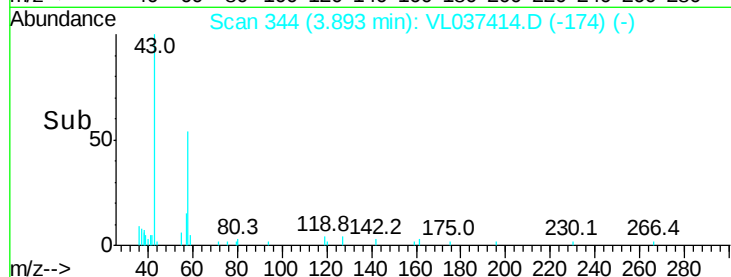
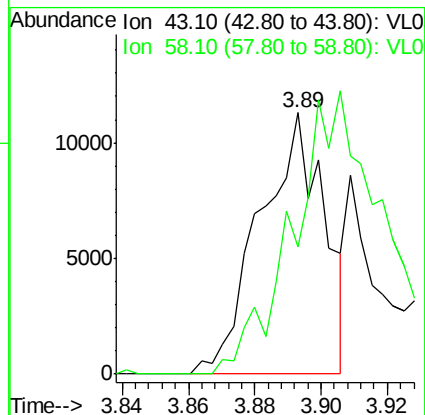
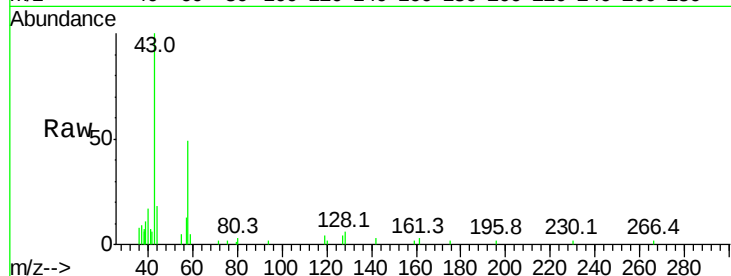
VSTDIC0.03

Tgt Ion: 43 Resp: 15183

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#16

1,3-Butadiene

Concen: 0.019 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL037414.D

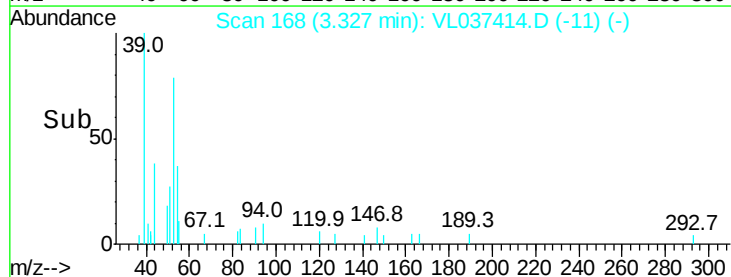
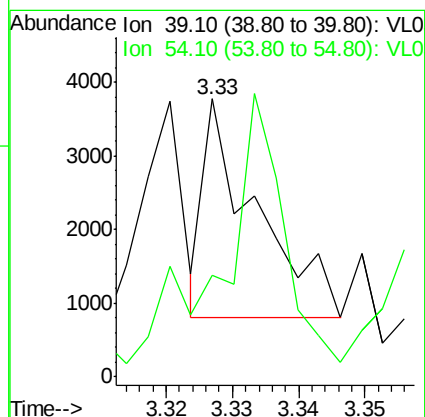
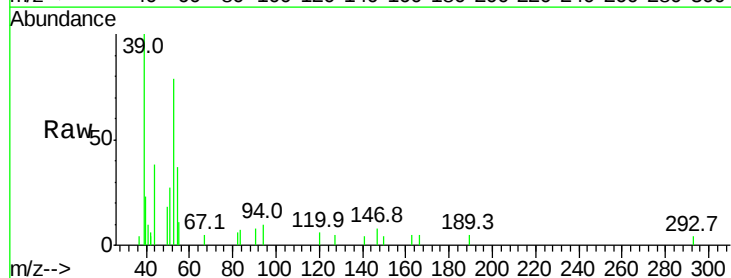
Acq: 12 Aug 2021 14:09

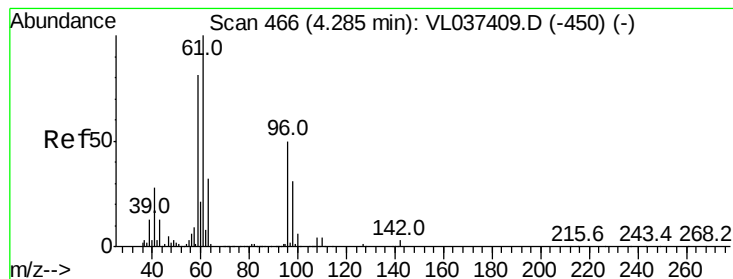
Tgt Ion: 39 Resp: 1637

Ion Ratio Lower Upper

39 100

54 246.6 61.4 92.0#





#17

tert-Butyl alcohol

Concen: 0.001 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

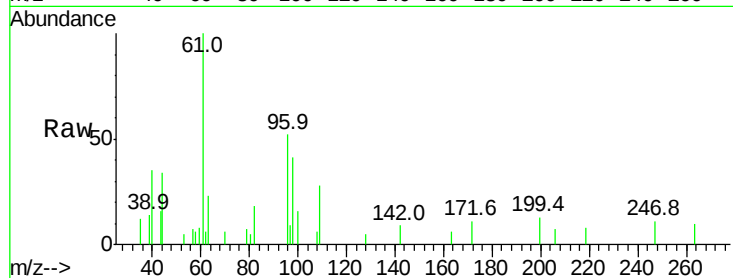
VSTDIC0.03

Tgt Ion: 59 Resp: 140

Ion Ratio Lower Upper

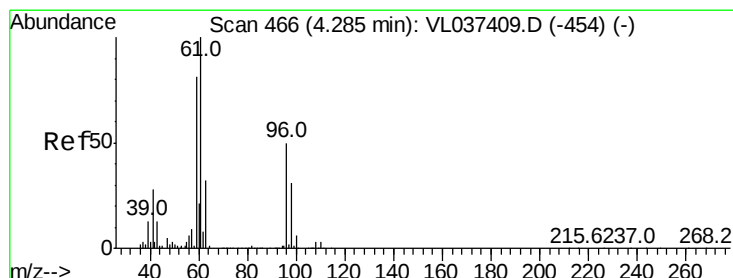
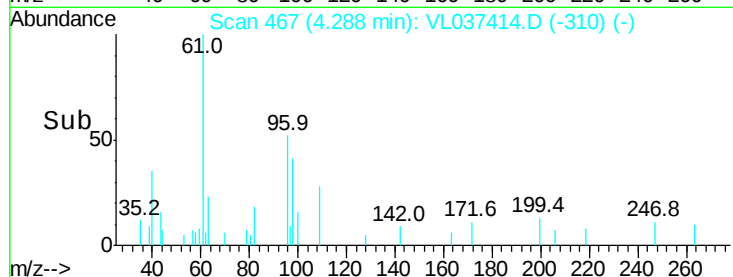
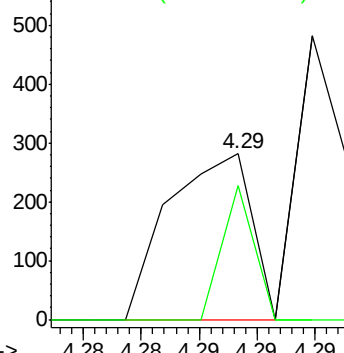
59 100

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: 0.003 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

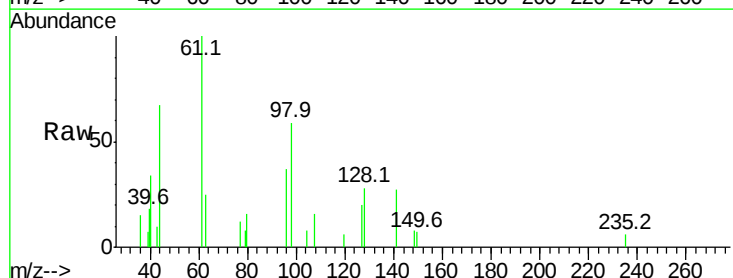
Tgt Ion: 96 Resp: 191

Ion Ratio Lower Upper

96 100

61 154.8 159.0 238.4#

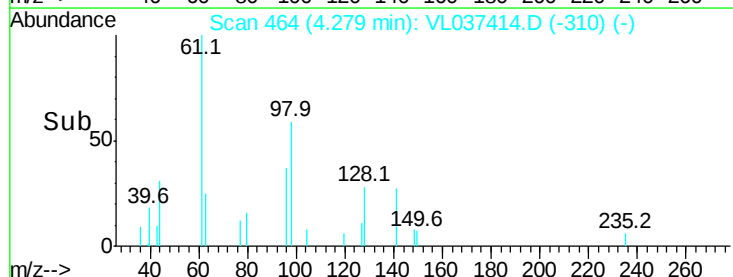
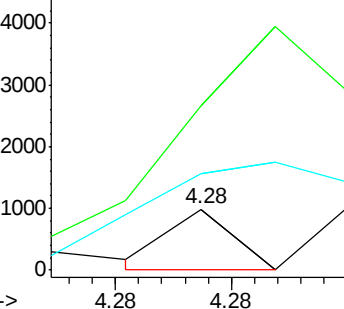
98 67.8 49.4 74.2

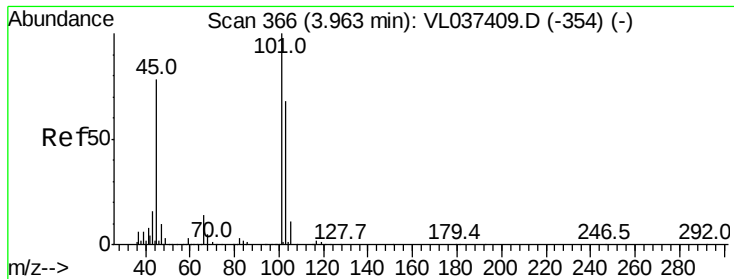


Abundance Ion 96.00 (95.70 to 96.70): VL0

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: 3.99 min Scan# 374

Delta R.T. 0.03 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

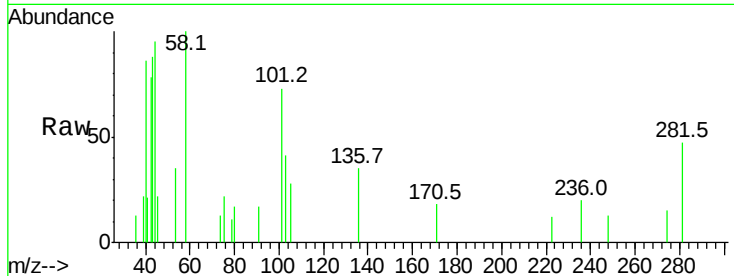
VSTDIC0.03

Tgt Ion: 45 Resp: 175

Ion Ratio Lower Upper

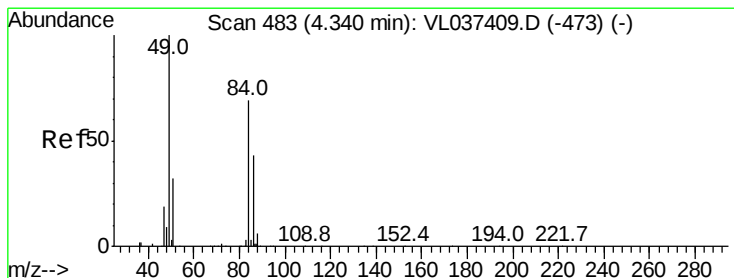
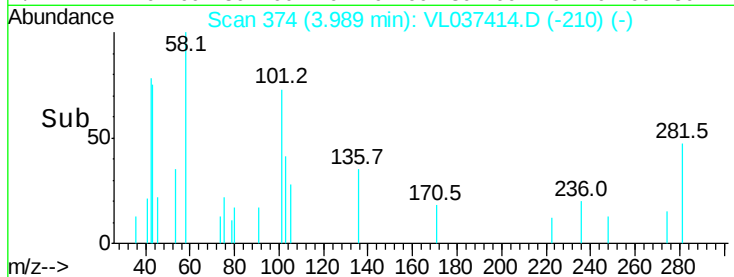
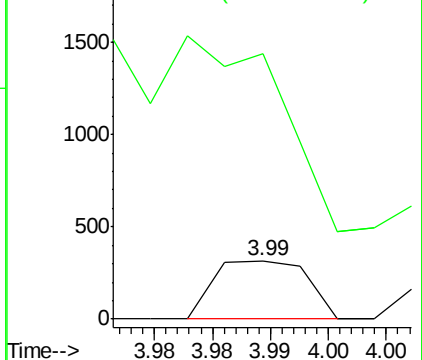
45 100

58 1942.9 2.2 3.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.072 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Tgt Ion: 84 Resp: 4663

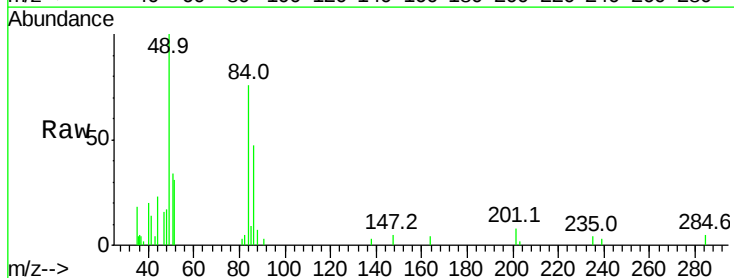
Ion Ratio Lower Upper

84 100

49 131.0 116.0 174.0

51 80.9 37.1 55.7#

86 62.2 49.4 74.0

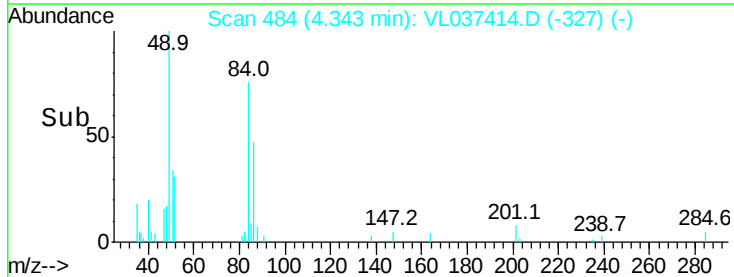
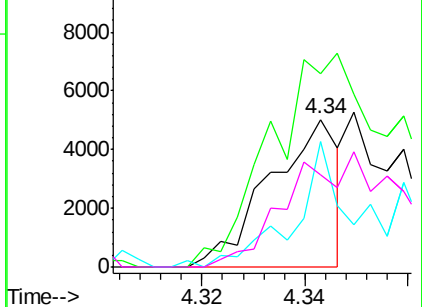


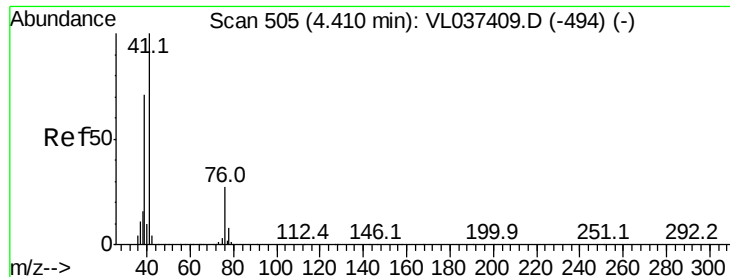
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 0.019 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

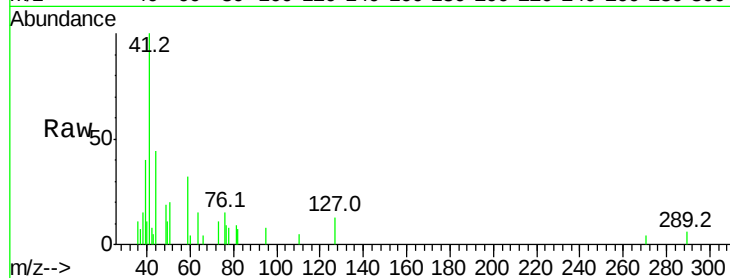
Tgt Ion: 41 Resp: 1835

Ion Ratio Lower Upper

41 100

76 82.9 23.7 35.5#

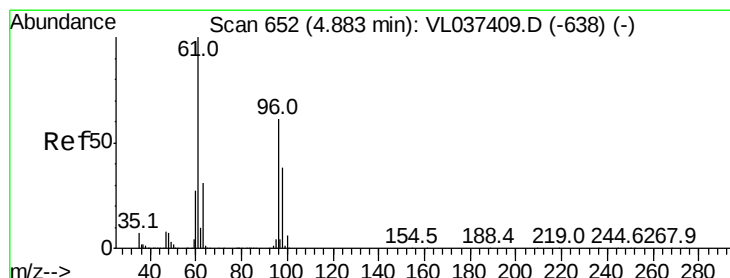
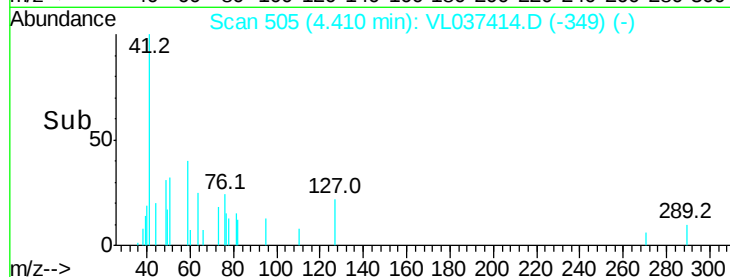
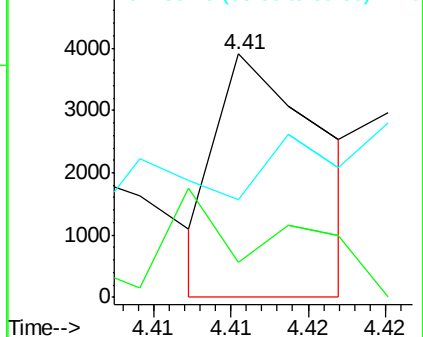
39 0.0 62.3 93.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.044 ppbv

RT: 4.88 min Scan# 652

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

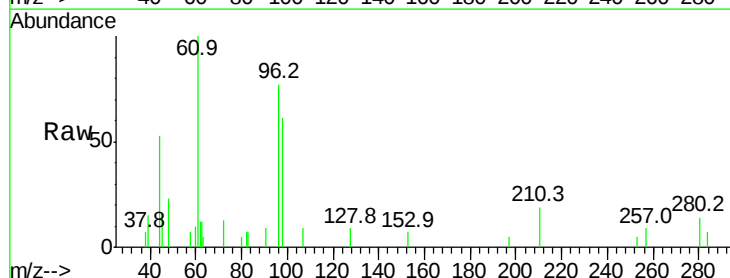
Tgt Ion: 96 Resp: 2584

Ion Ratio Lower Upper

96 100

61 84.4 131.0 196.4#

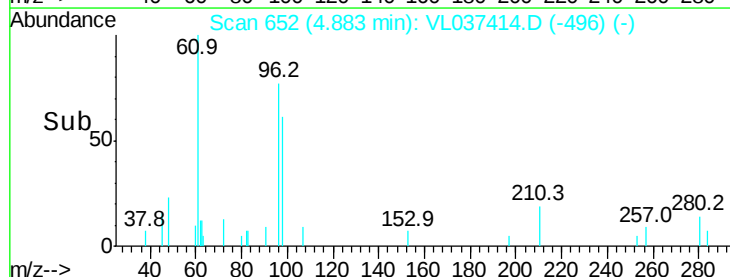
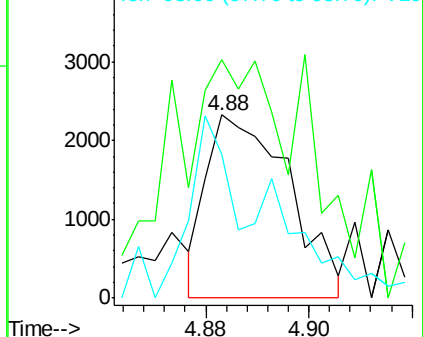
98 64.0 50.2 75.4

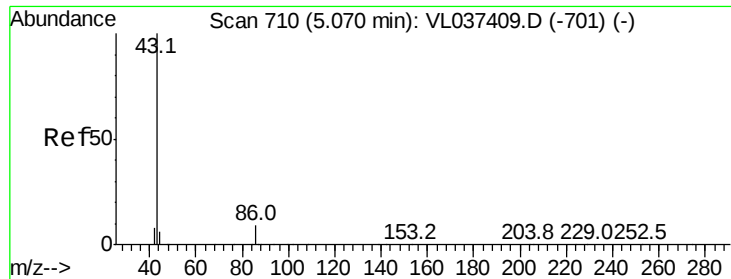


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 0.009 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 43 Resp: 1691

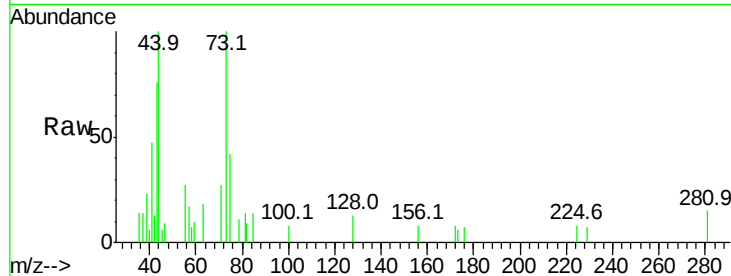
Ion Ratio Lower Upper

43 100

86 0.0 5.8 8.8#

42 28.1 7.7 11.5#

44 117.0 4.0 6.0#

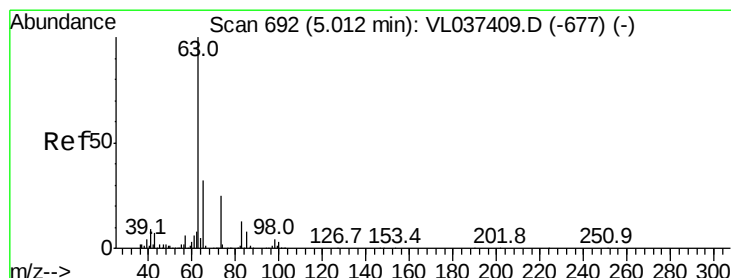
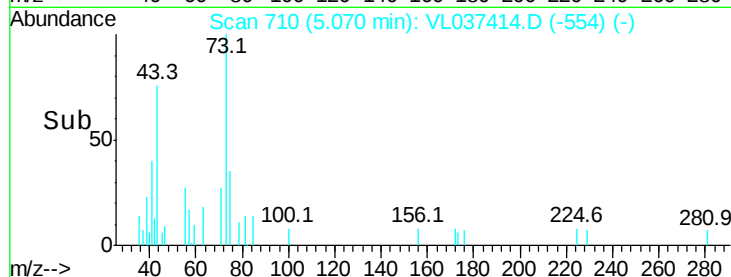
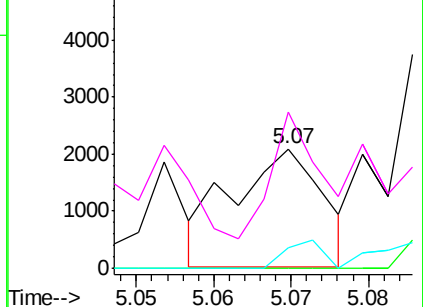


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 0.022 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

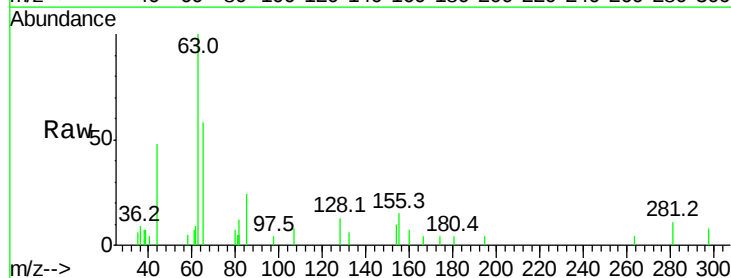
Tgt Ion: 63 Resp: 3263

Ion Ratio Lower Upper

63 100

98 0.0 2.1 6.3#

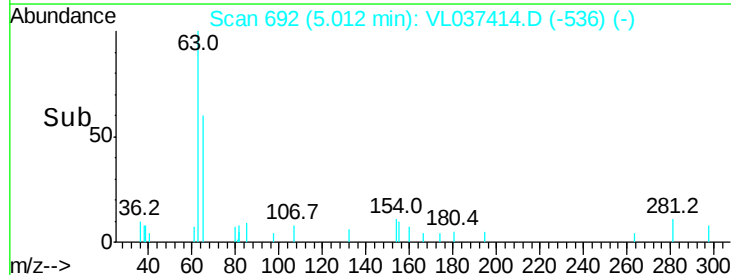
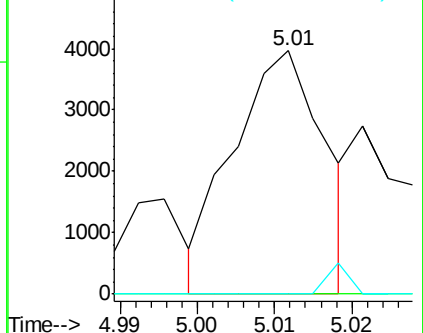
100 0.0 1.6 4.7#

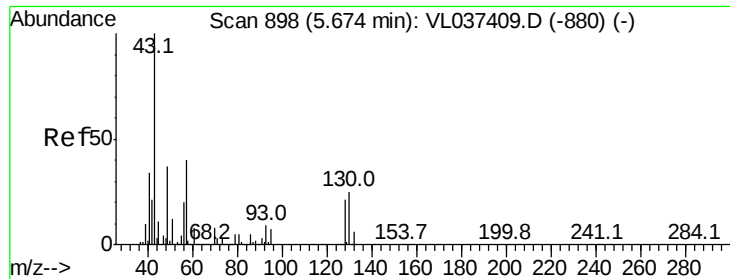


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 0.005 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 43 Resp: 1429

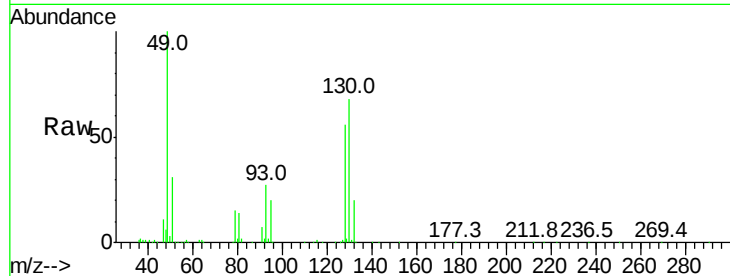
Ion Ratio Lower Upper

43 100

45 0.0 7.9 11.9#

61 0.0 7.7 11.5#

70 0.0 5.8 8.6#

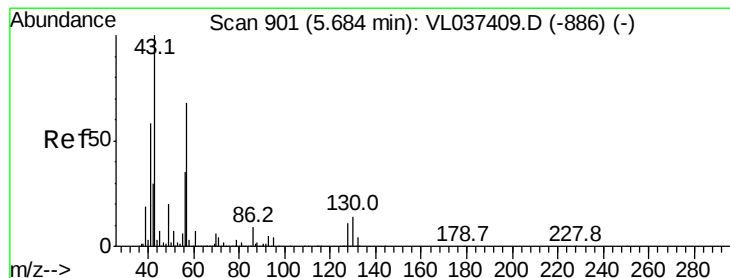
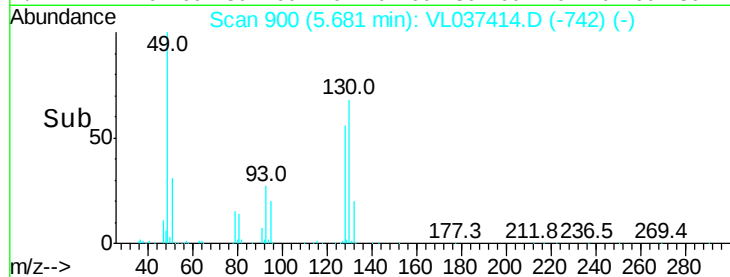
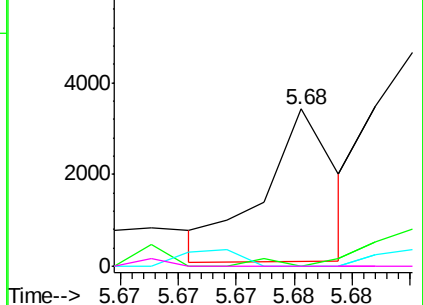


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.039 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Tgt Ion: 57 Resp: 6012

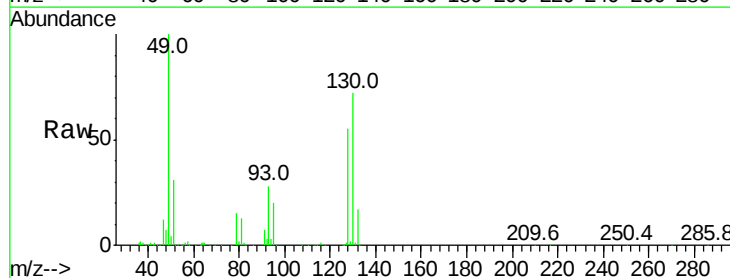
Ion Ratio Lower Upper

57 100

41 137.5 72.5 108.7#

43 0.0 169.3 253.9#

56 72.5 42.3 63.5#

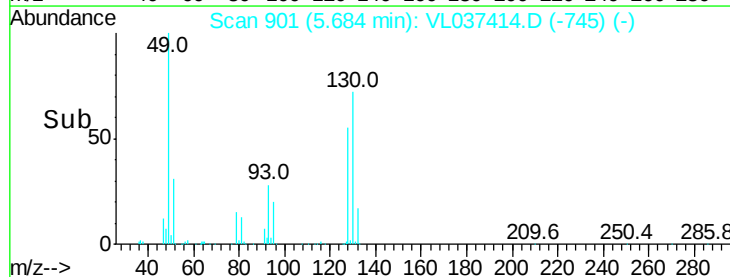
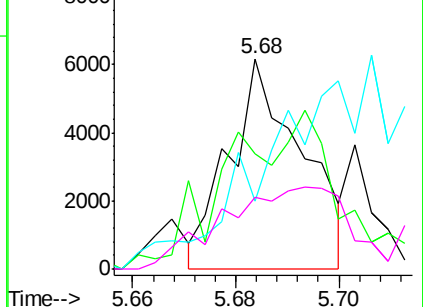


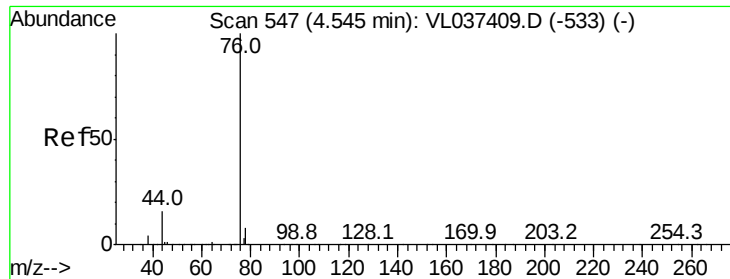
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.024 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

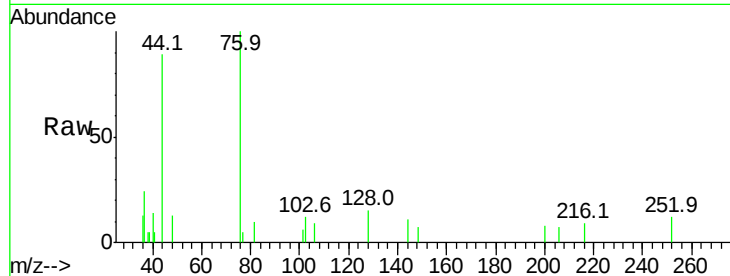
Tgt Ion: 76 Resp: 3109

Ion Ratio Lower Upper

76 100

44 0.0 14.4 21.6#

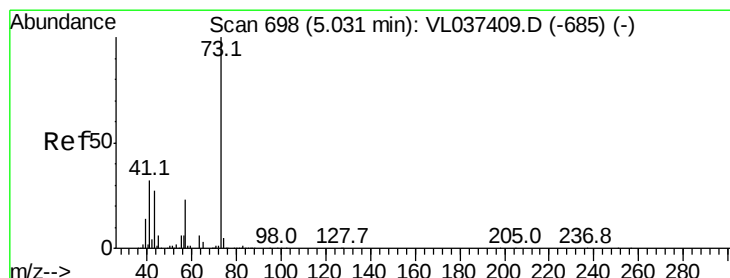
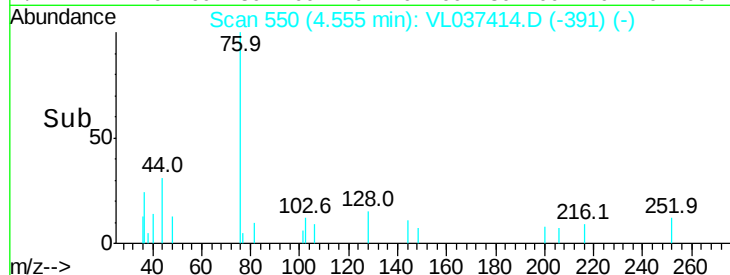
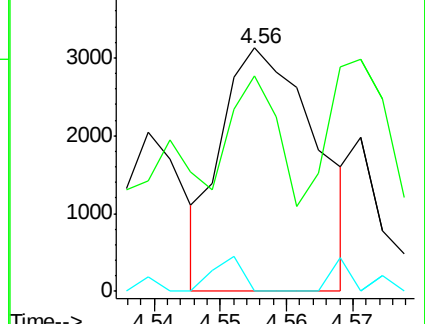
78 0.0 8.0 12.0#



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: 0.003 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.02 min

Lab File: VL037414.D

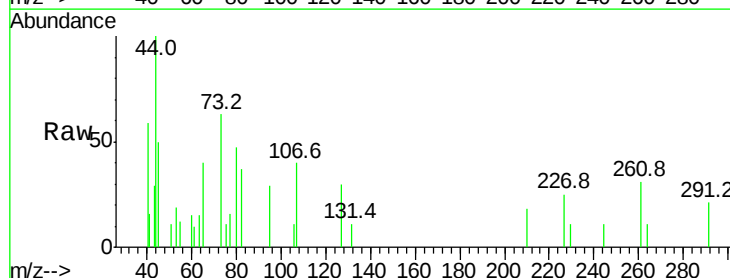
Acq: 12 Aug 2021 14:09

Tgt Ion: 73 Resp: 472

Ion Ratio Lower Upper

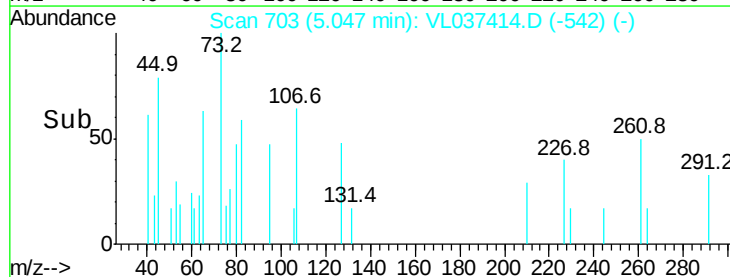
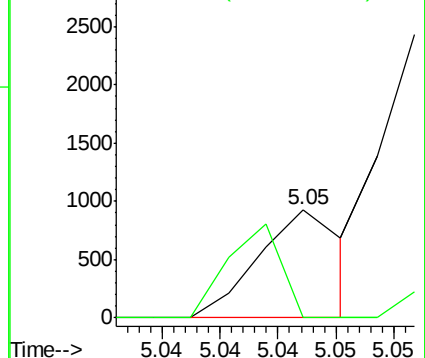
73 100

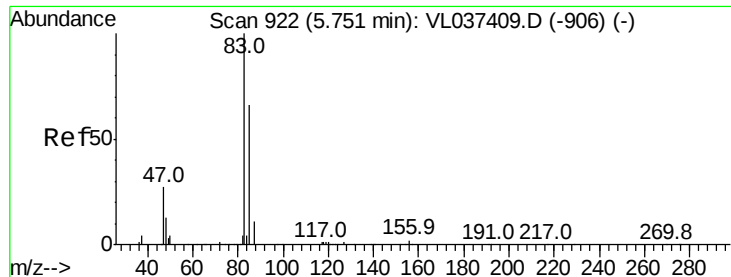
57 0.0 19.0 28.4#



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 0.032 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

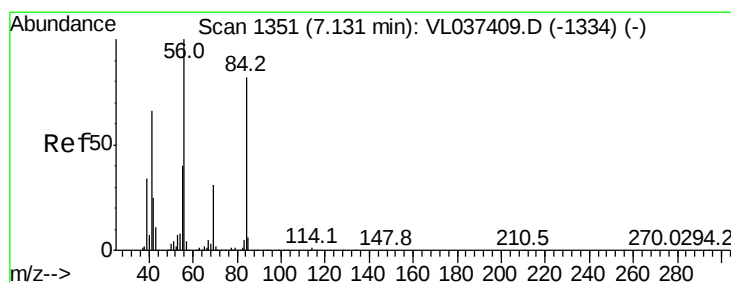
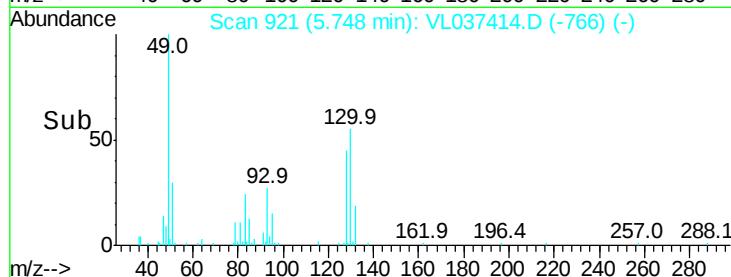
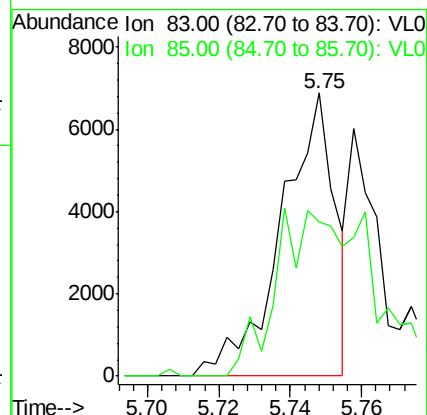
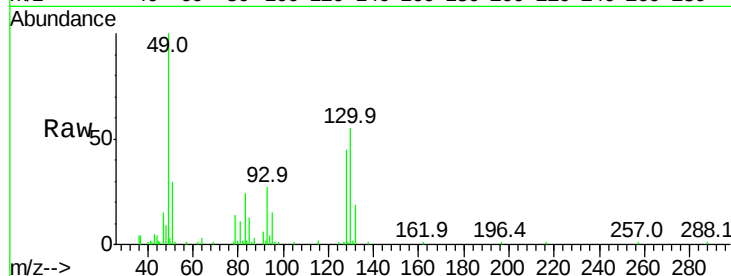
VSTDIC0.03

Tgt Ion: 83 Resp: 7180

Ion Ratio Lower Upper

83 100

85 54.6 52.4 78.6



#30

Cyclohexane

Concen: 0.014 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

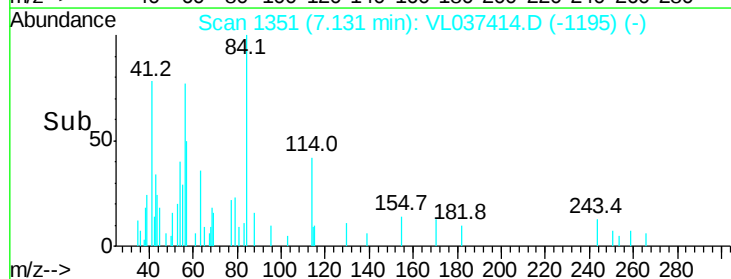
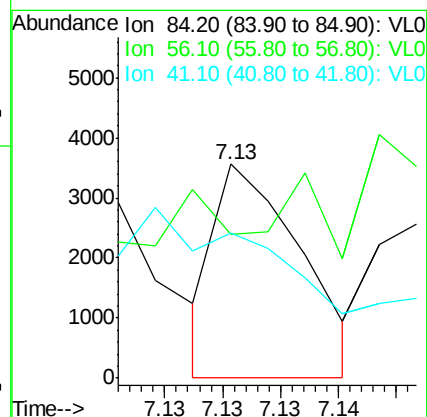
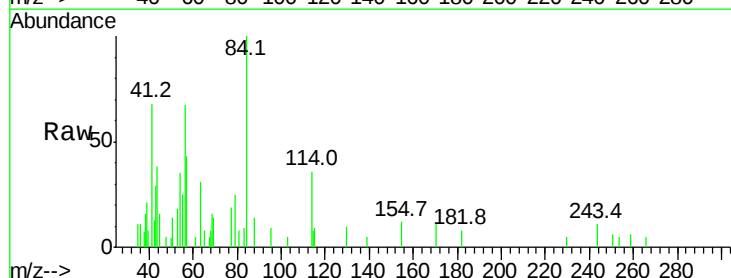
Tgt Ion: 84 Resp: 1836

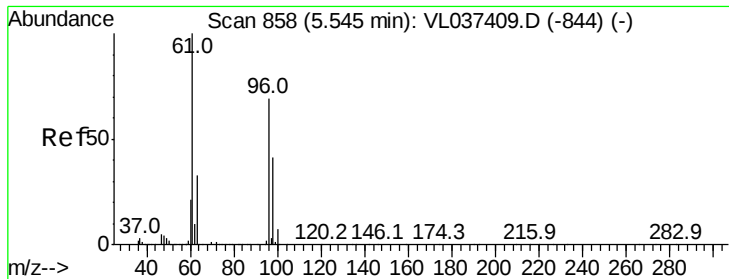
Ion Ratio Lower Upper

84 100

56 0.0 109.6 164.4#

41 0.0 66.6 99.8#



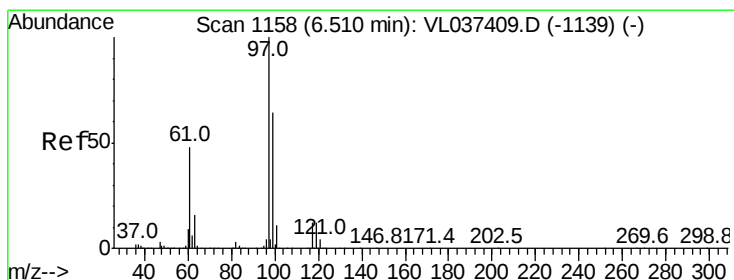
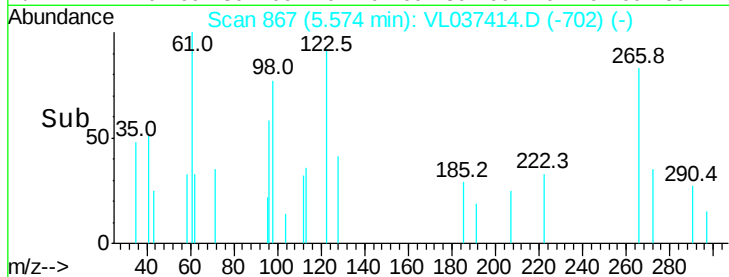
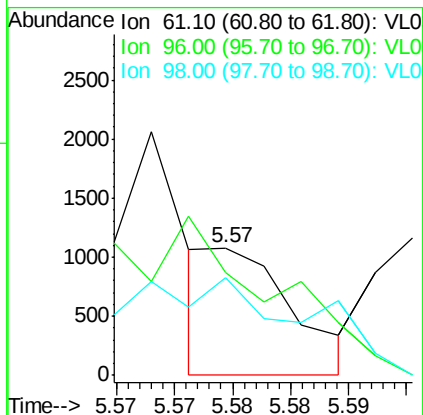
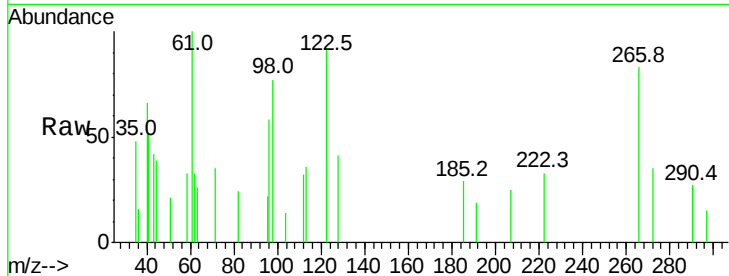


#31

cis-1,2-Dichloroethene
 Concen: 0.004 ppbv
 RT: 5.57 min Scan# 867
 Delta R.T. 0.03 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

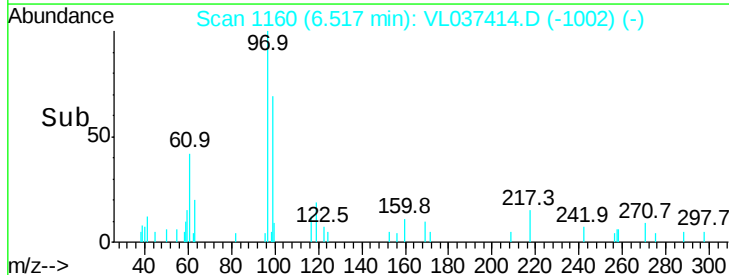
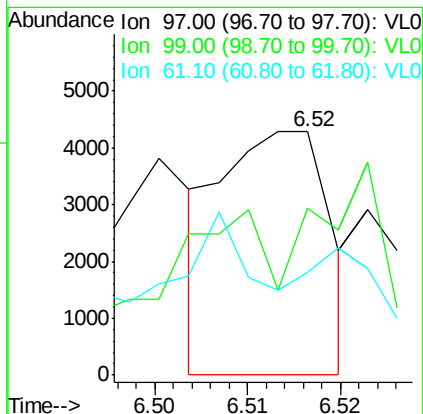
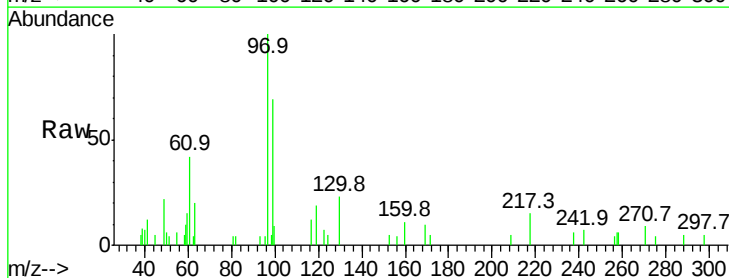
Tgt Ion:	61	Resp:	533
Ion	Ratio	Lower	Upper
61	100		
96	56.6	55.5	83.3
98	33.8	33.1	49.7

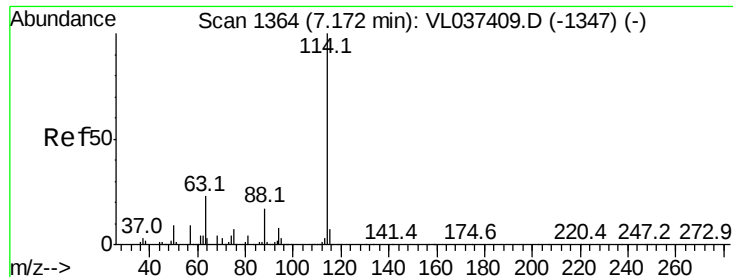


#32

1,1,1-Trichloroethane
 Concen: 0.016 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.01 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

Tgt Ion:	97	Resp:	3487
Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.3	78.5#
61	0.0	40.1	60.1#

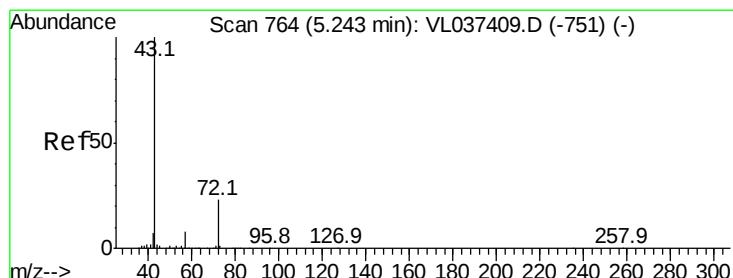
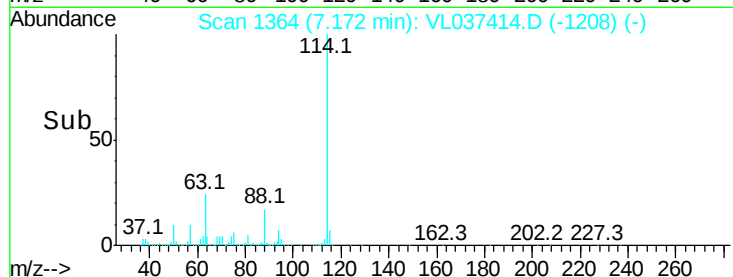
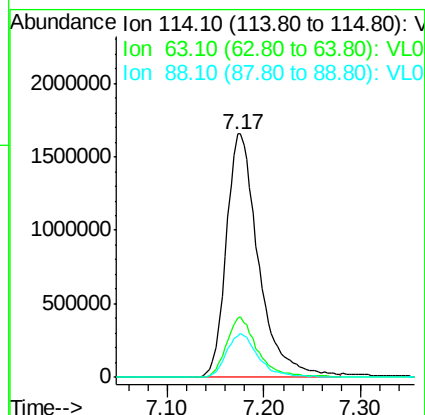
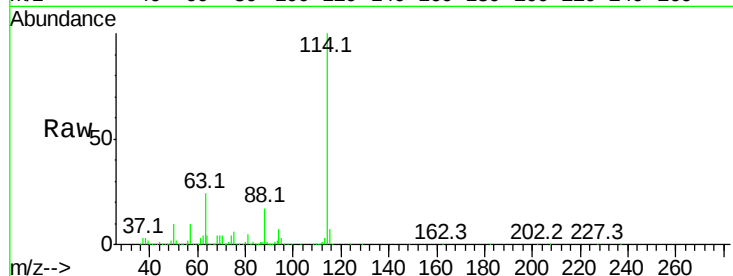




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

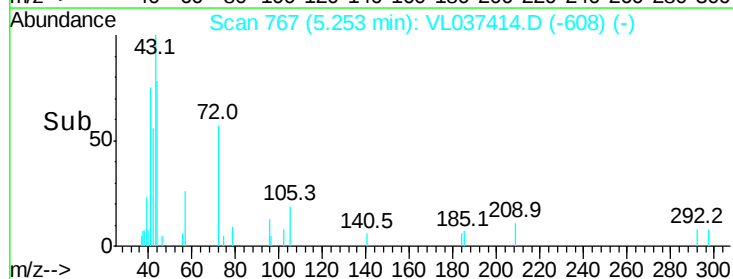
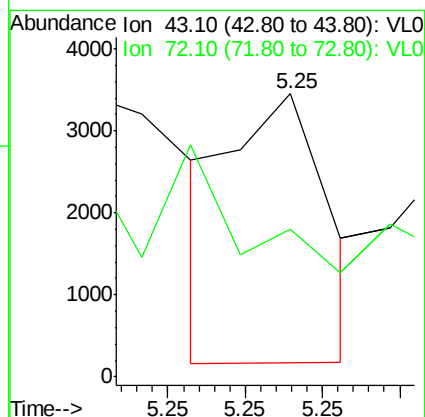
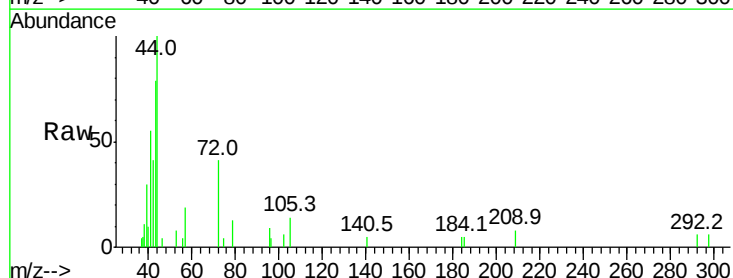
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

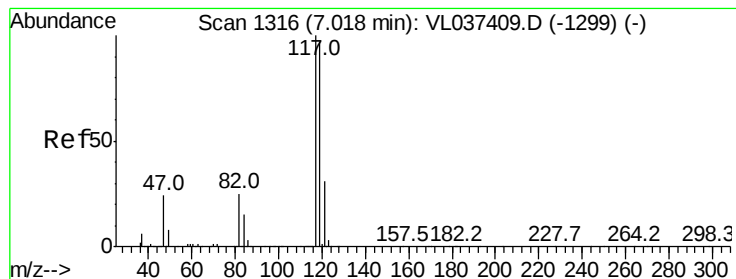
Tgt Ion:114 Resp: 3845085
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.4 29.2
 88 18.2 14.2 21.4



#34
 2-Butanone
 Concen: 0.010 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

Tgt Ion: 43 Resp: 1429
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.7 26.5#





#35

Carbon Tetrachloride

Concen: 0.031 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

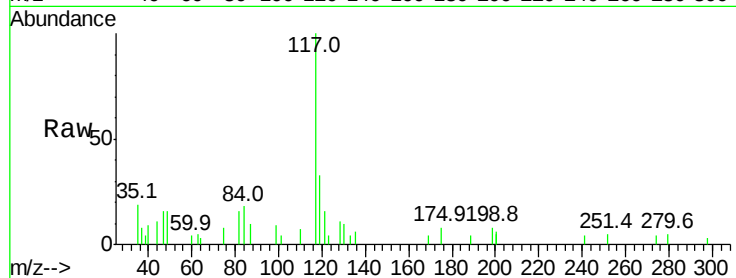
Tgt Ion: 117 Resp: 6745

Ion Ratio Lower Upper

117 100

119 25.8 77.5 116.3#

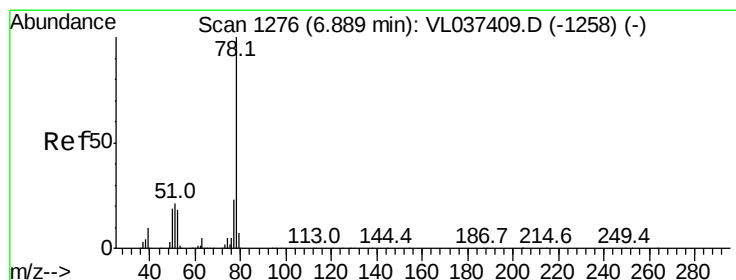
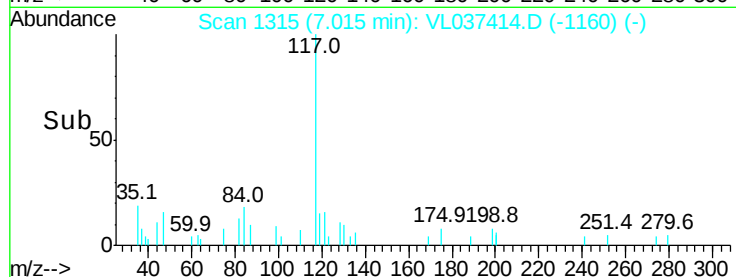
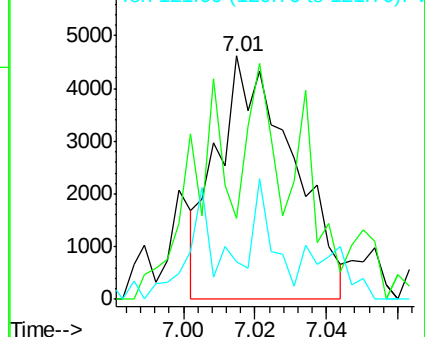
121 0.0 24.7 37.1#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.012 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

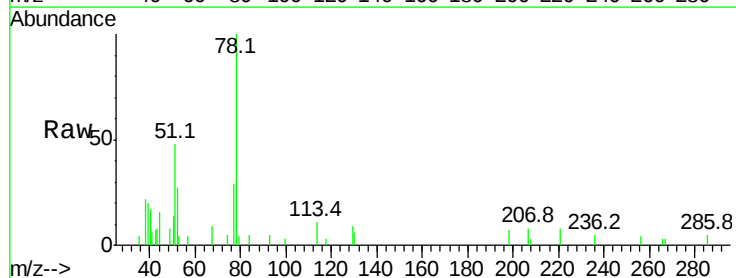
Tgt Ion: 78 Resp: 3760

Ion Ratio Lower Upper

78 100

77 54.2 18.6 27.8#

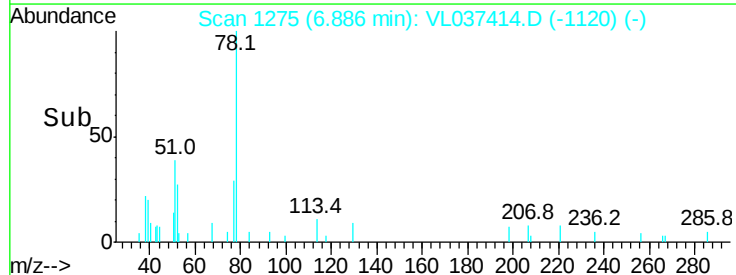
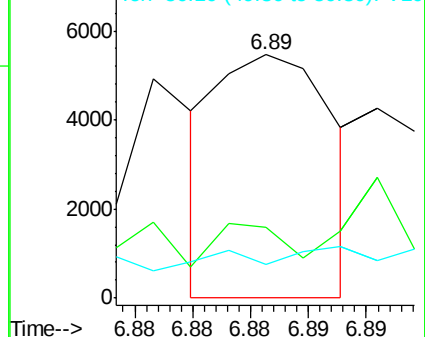
50 0.0 14.9 22.3#

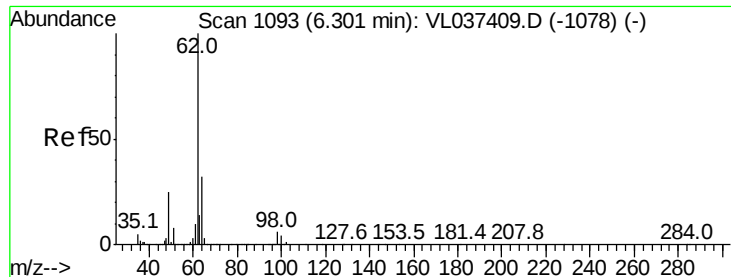


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

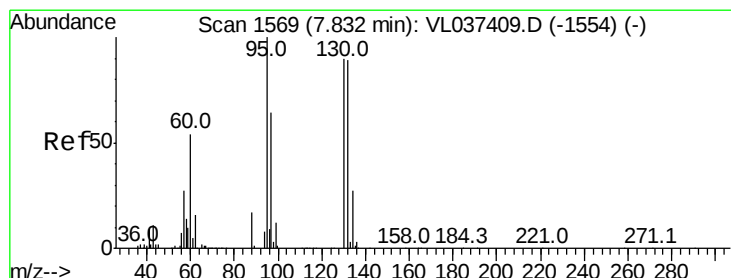
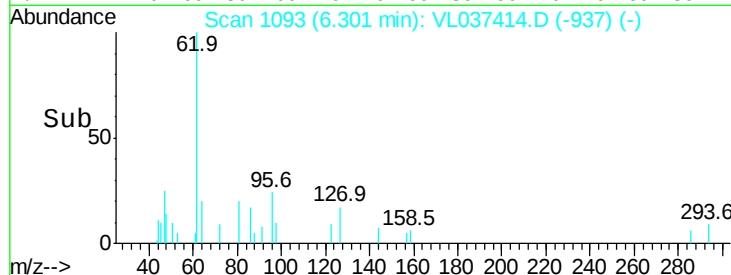
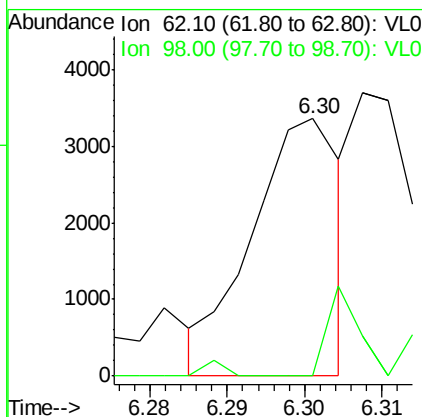
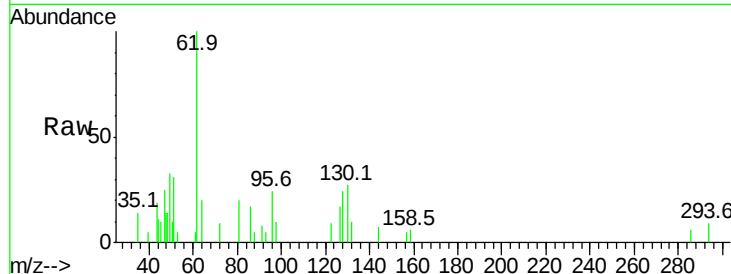




#37
 1,2-Dichloroethane
 Concen: 0.017 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

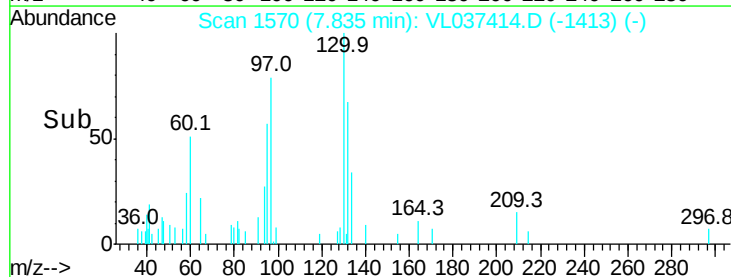
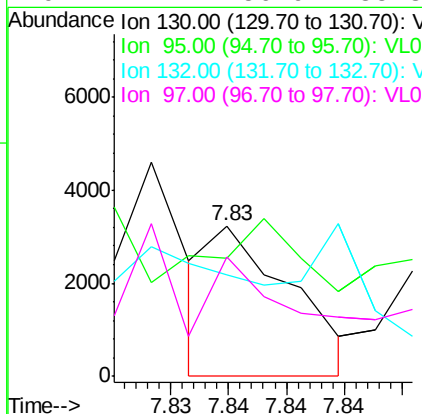
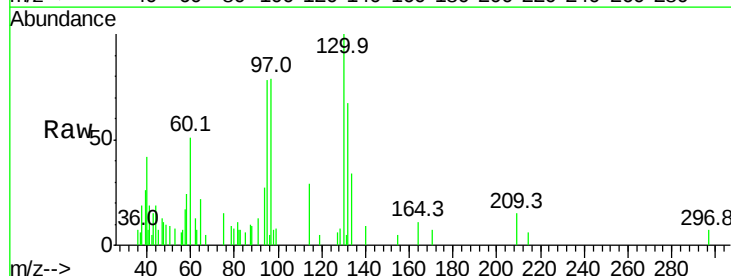
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

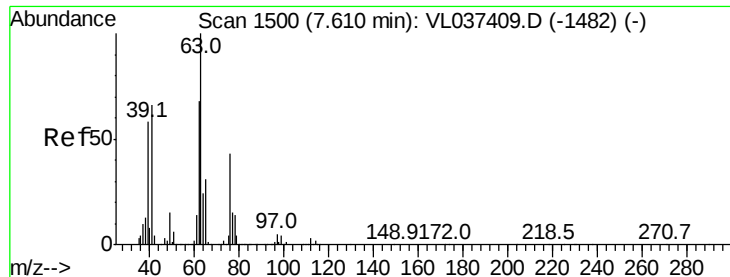
Tgt Ion: 62 Resp: 2675
 Ion Ratio Lower Upper
 62 100
 98 0.0 5.4 8.2#



#38
 Trichloroethene
 Concen: 0.012 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

Tgt Ion: 130 Resp: 1580
 Ion Ratio Lower Upper
 130 100
 95 29.7 88.6 132.8#
 132 0.0 79.2 118.8#
 97 71.2 56.9 85.3





#39

1,2-Dichloropropane

Concen: 8.043 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.43 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

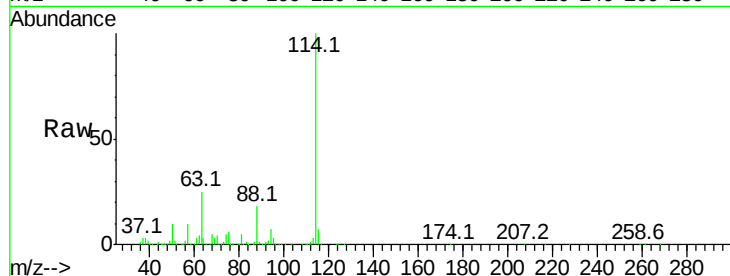
Tgt Ion: 63 Resp: 897212

Ion Ratio Lower Upper

63 100

41 0.1 53.0 79.6#

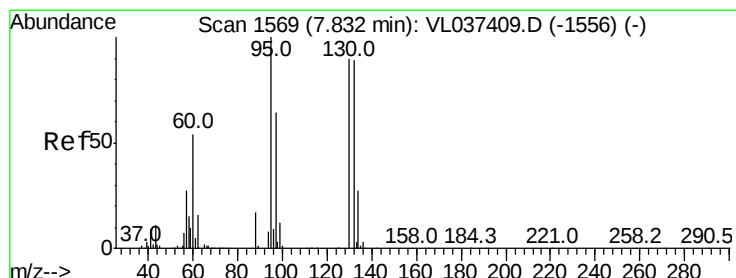
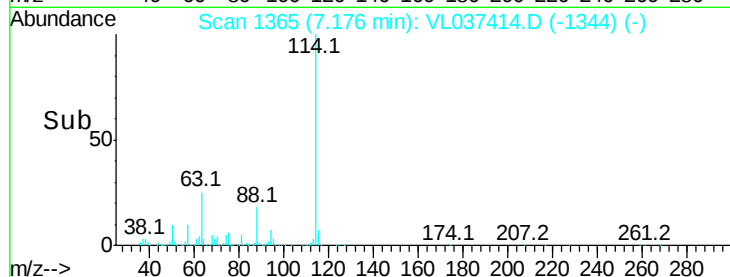
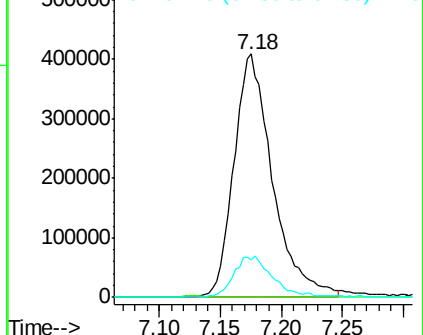
62 15.5 54.5 81.7#



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: 0.005 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Tgt Ion: 88 Resp: 137

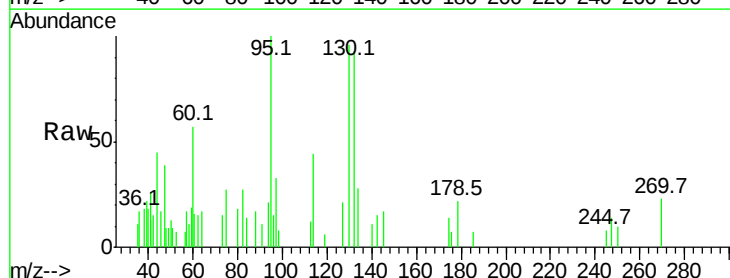
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

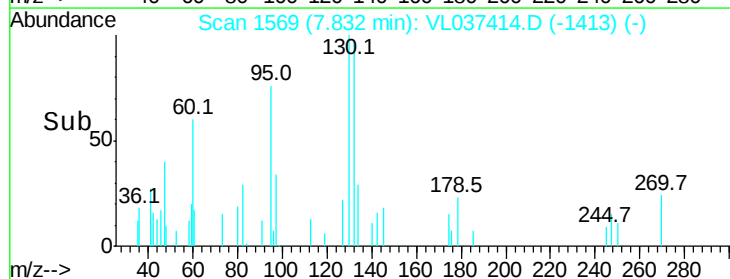
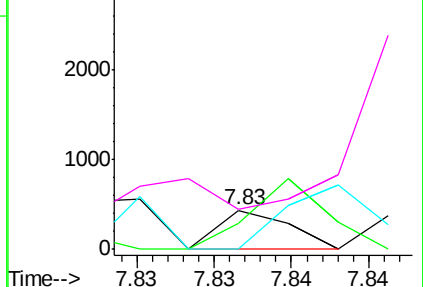


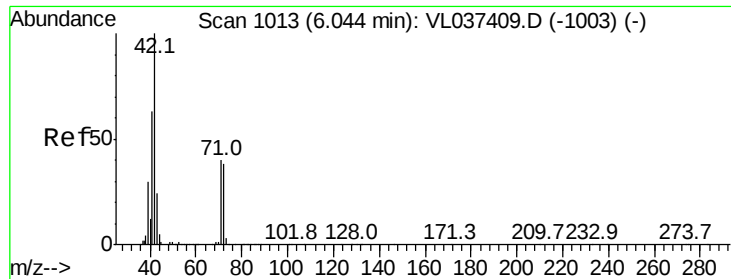
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.005 ppbv

RT: 6.07 min Scan# 1021

Delta R.T. 0.03 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

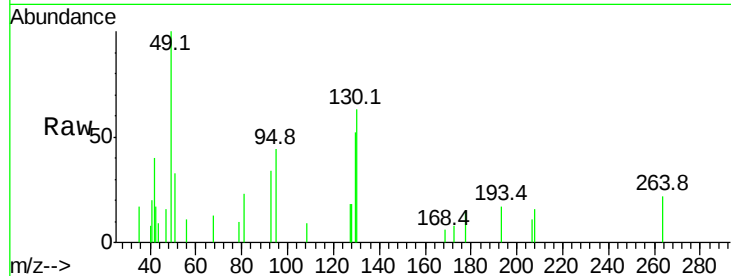
Tgt Ion: 42 Resp: 336

Ion Ratio Lower Upper

42 100

72 39.3 33.5 50.3

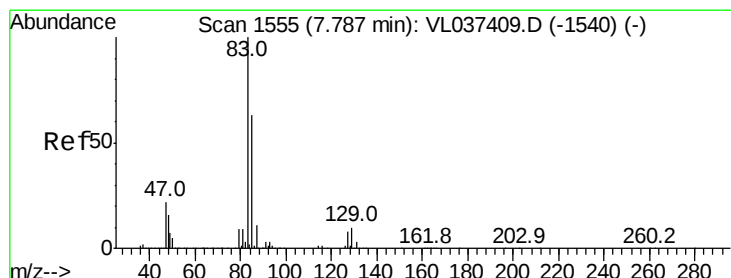
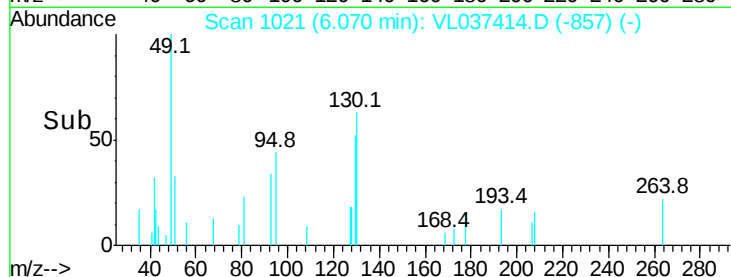
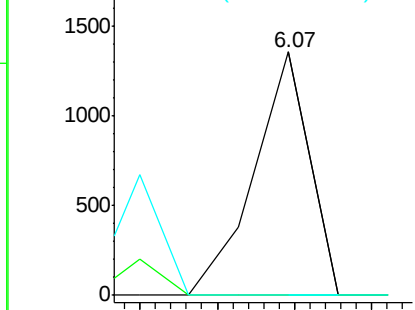
71 0.0 32.6 48.8#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.016 ppbv

RT: 7.79 min Scan# 1557

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

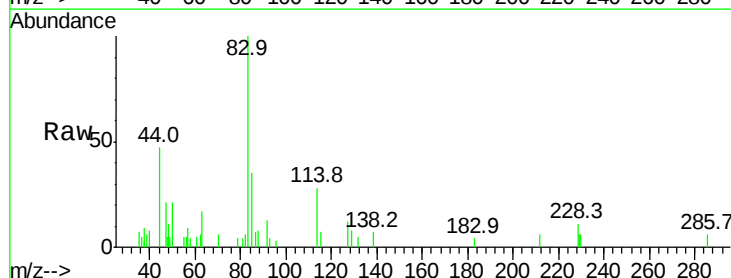
Tgt Ion: 83 Resp: 3596

Ion Ratio Lower Upper

83 100

85 12.2 50.2 75.2#

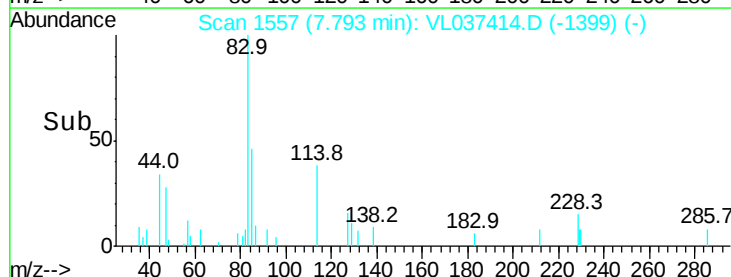
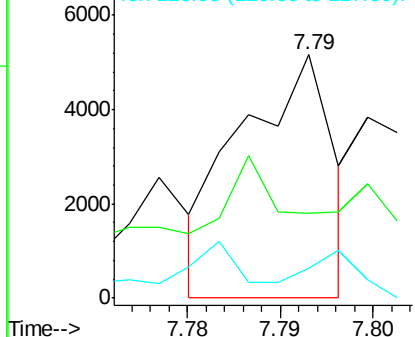
127 0.0 6.6 9.8#

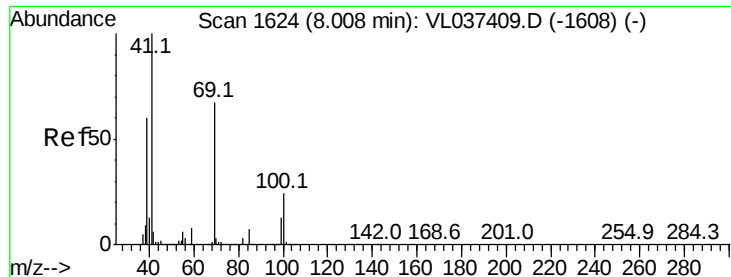


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

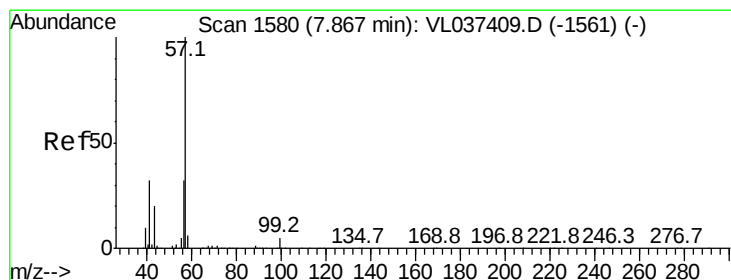
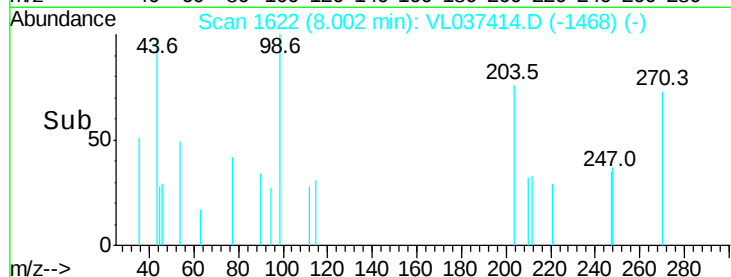
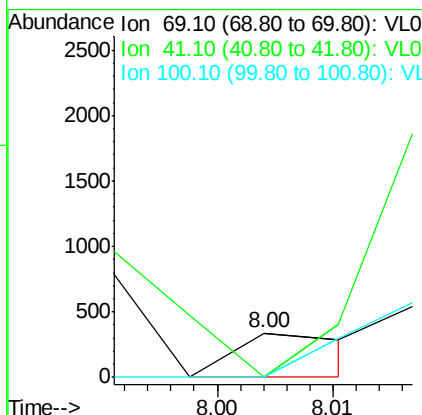
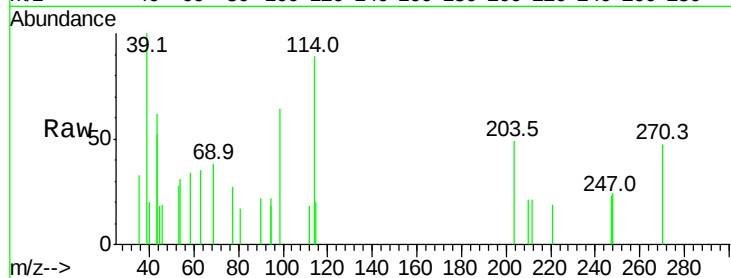




#43
Methyl Methacrylate
Concen: 0.001 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.01 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

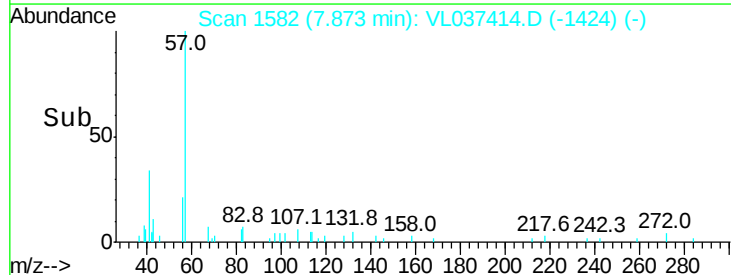
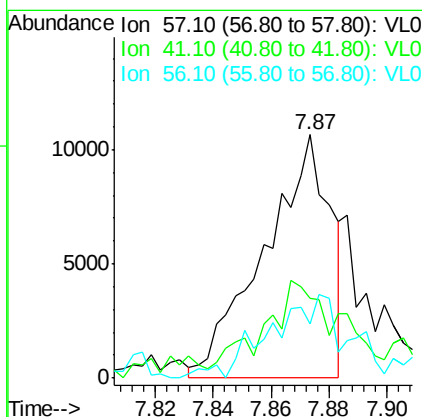
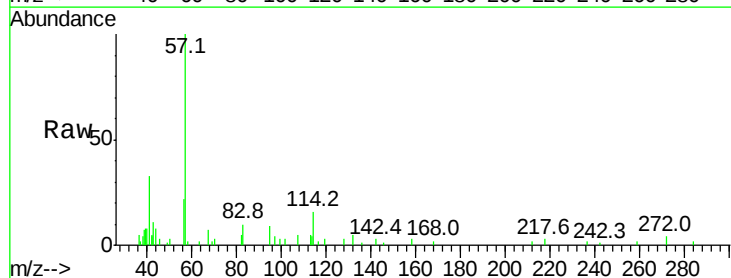
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

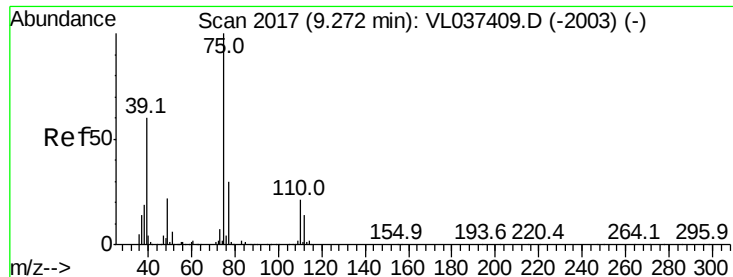
Tgt Ion: 69 Resp: 119
Ion Ratio Lower Upper
69 100
41 0.0 118.1 177.1#
100 0.0 27.6 41.4#



#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Tgt Ion: 57 Resp: 16872
Ion Ratio Lower Upper
57 100
41 63.7 26.4 39.6#
56 44.8 25.0 37.4#





#45

t-1,3-Dichloropropene

Concen: 0.005 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

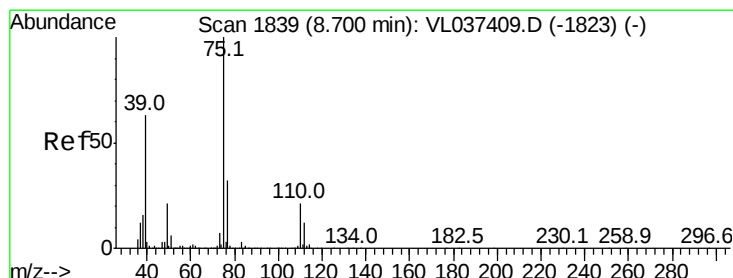
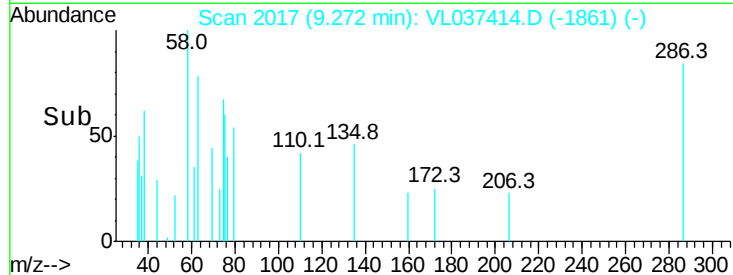
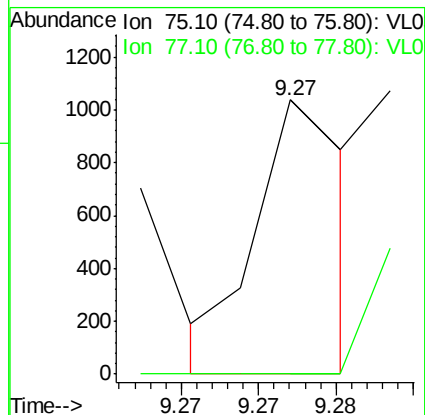
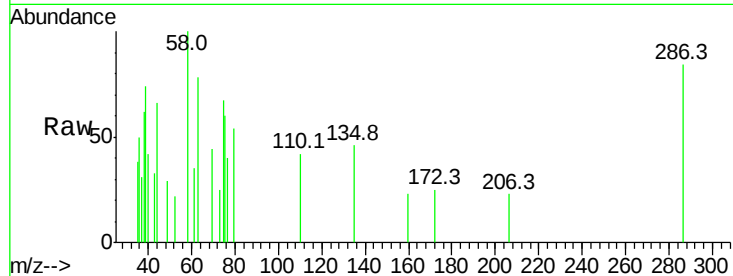
VSTDIC0.03

Tgt Ion: 75 Resp: 426

Ion Ratio Lower Upper

75 100

77 0.0 24.2 36.2#



#46

cis-1,3-Dichloropropene

Concen: 0.015 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

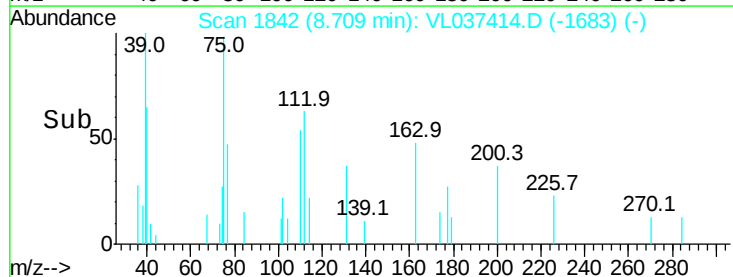
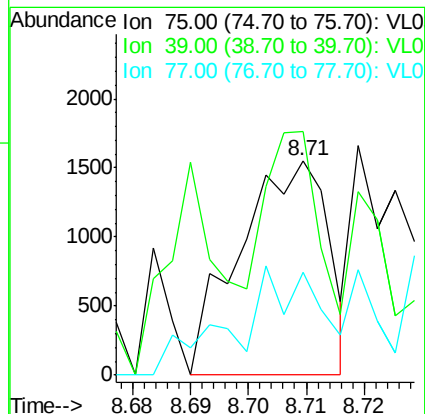
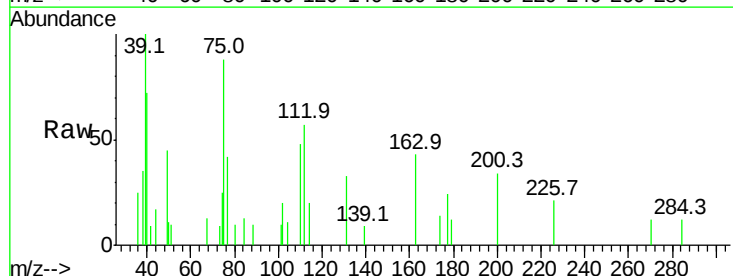
Tgt Ion: 75 Resp: 1652

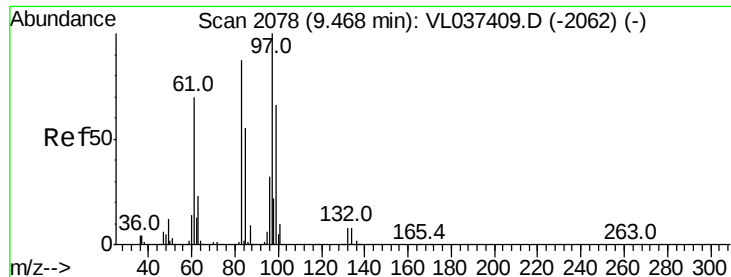
Ion Ratio Lower Upper

75 100

39 85.0 50.1 75.1#

77 35.0 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 0.015 ppbv

RT: 9.46 min Scan# 2077

Delta R.T. -0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 97 Resp: 1944

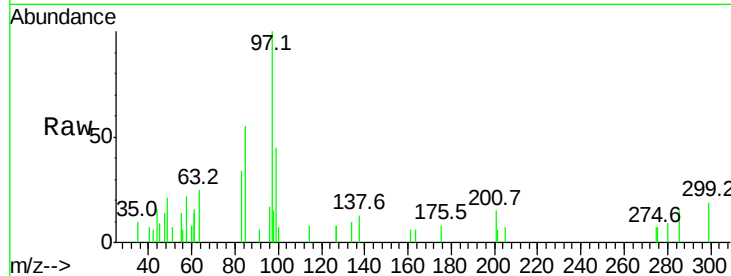
Ion Ratio Lower Upper

97 100

83 22.2 69.5 104.3#

85 39.4 43.8 65.8#

99 44.7 53.0 79.4#

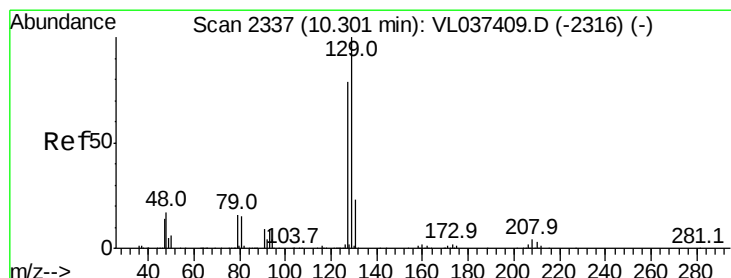
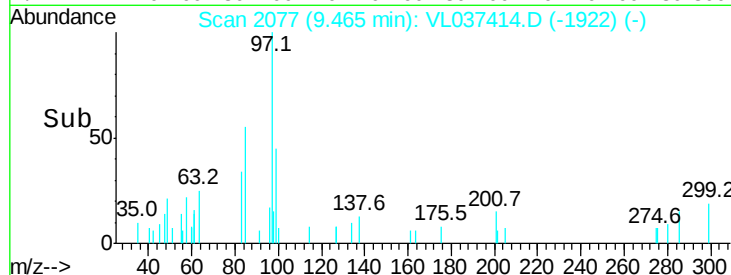
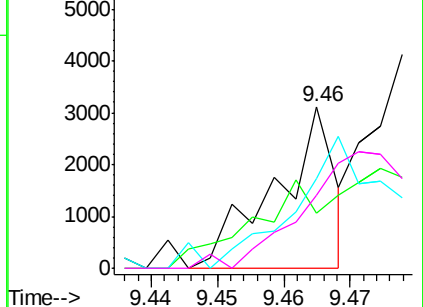


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 0.010 ppbv

RT: 10.30 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VL037414.D

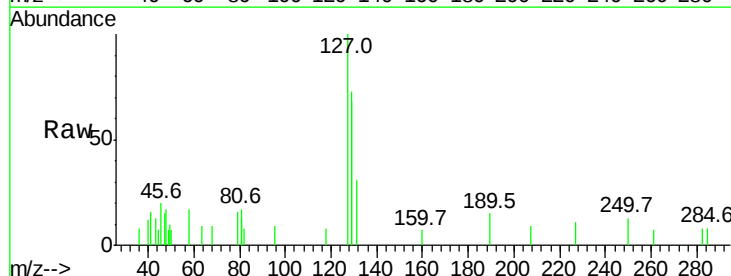
Acq: 12 Aug 2021 14:09

Tgt Ion: 129 Resp: 1780

Ion Ratio Lower Upper

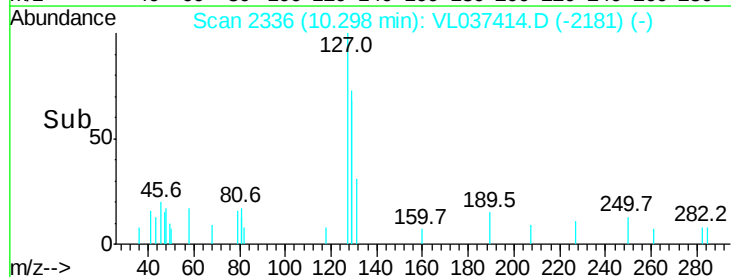
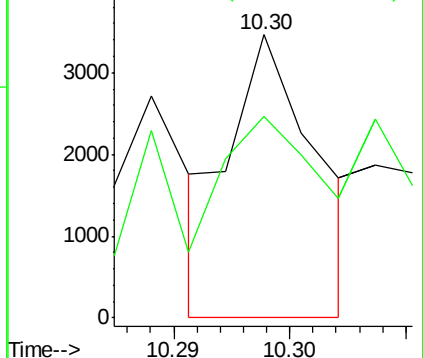
129 100

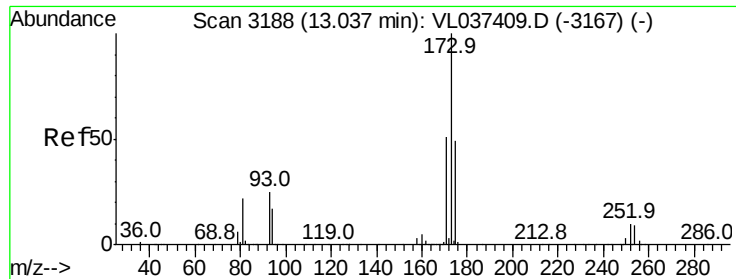
127 0.0 39.6 118.8#



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: 13.05 min Scan# 3191

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

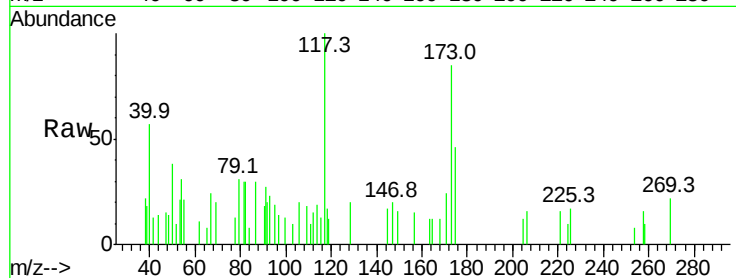
Tgt Ion:173 Resp: 775

Ion Ratio Lower Upper

173 100

175 253.9 39.9 59.9#

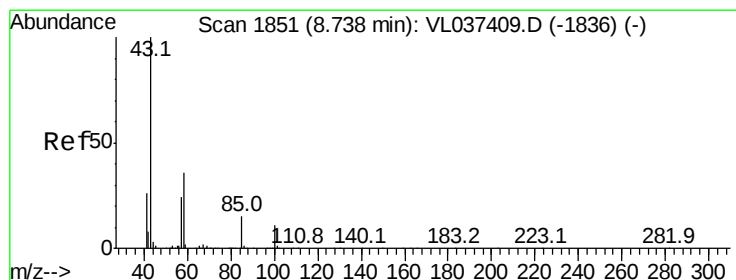
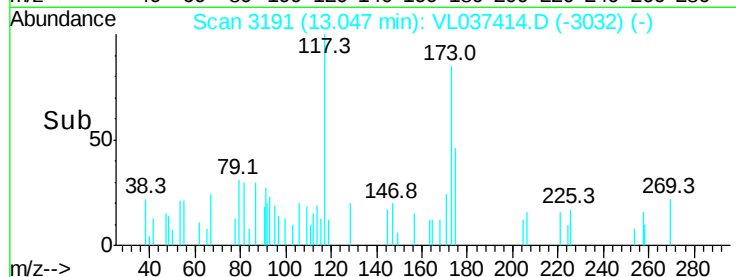
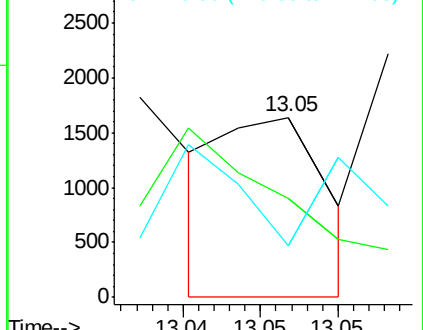
171 274.3 41.4 62.2#



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: 0.002 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.00 min

Lab File: VL037414.D

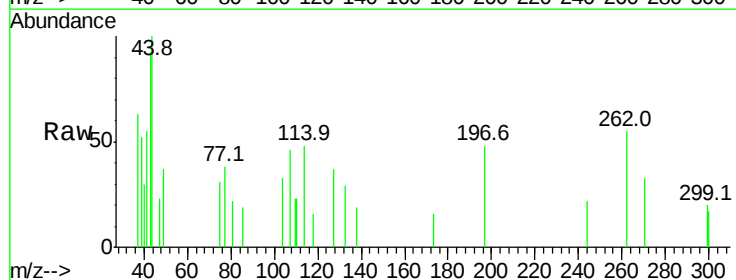
Acq: 12 Aug 2021 14:09

Tgt Ion: 43 Resp: 327

Ion Ratio Lower Upper

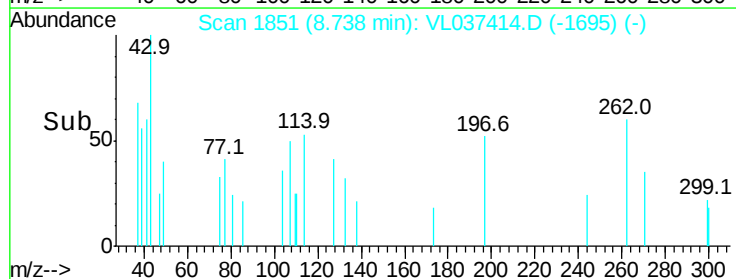
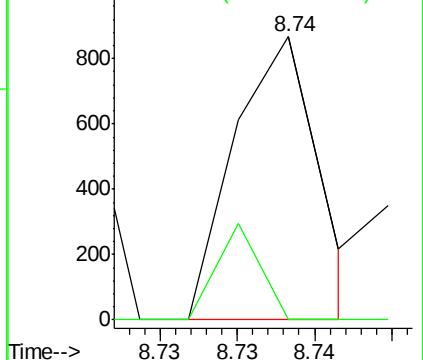
43 100

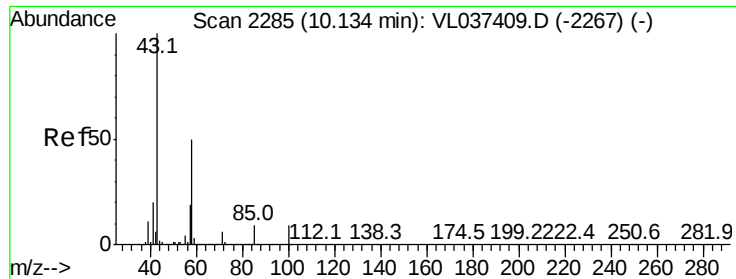
58 0.0 29.9 44.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

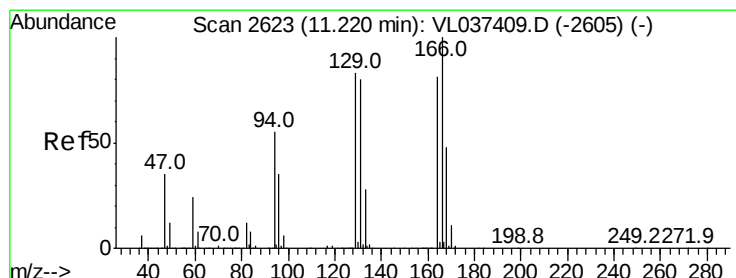
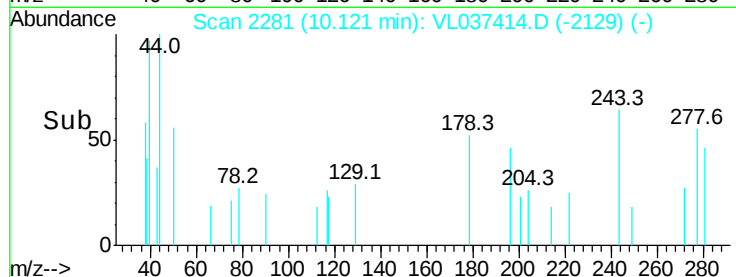
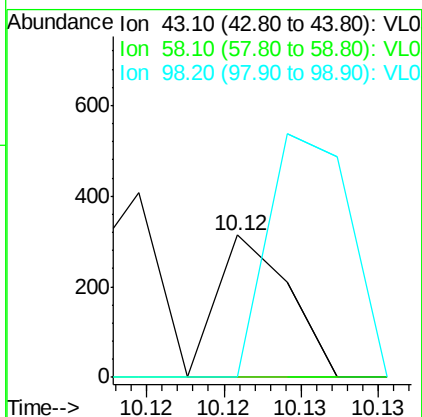
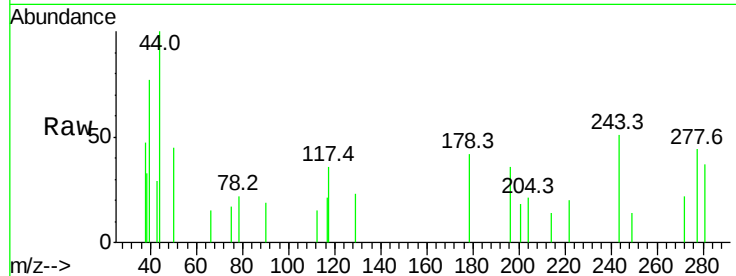




#51
2-Hexanone
Concen: 0.001 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.01 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

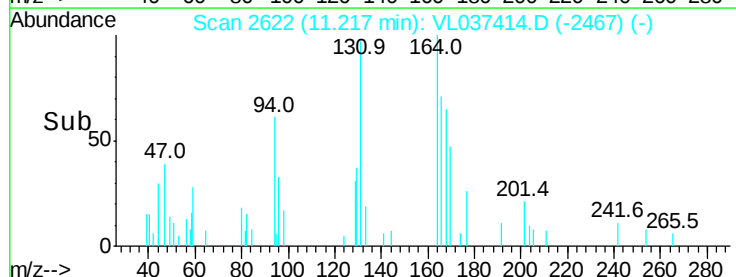
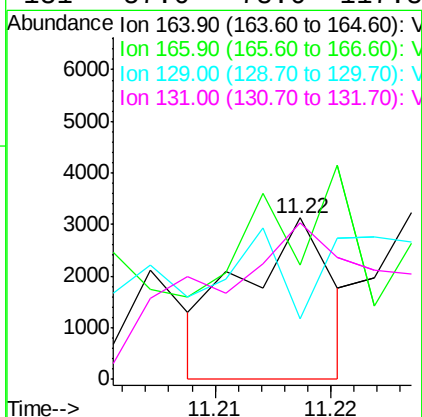
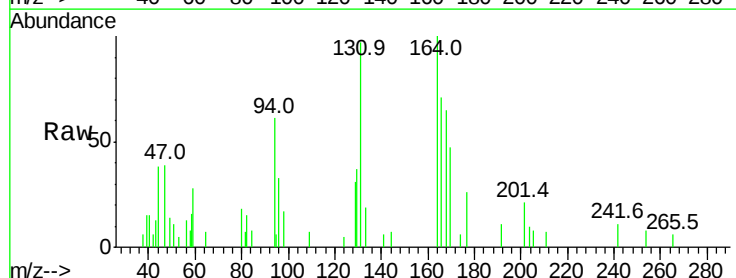
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

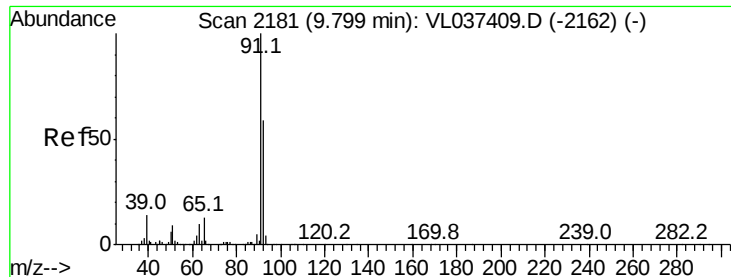
Tgt Ion: 43 Resp: 101
Ion Ratio Lower Upper
43 100
58 0.0 39.9 59.9#
98 196.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.014 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Tgt Ion: 164 Resp: 1687
Ion Ratio Lower Upper
164 100
166 34.5 98.6 147.8#
129 0.0 82.0 123.0#
131 57.6 78.6 117.8#





#53

Toluene

Concen: 0.013 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

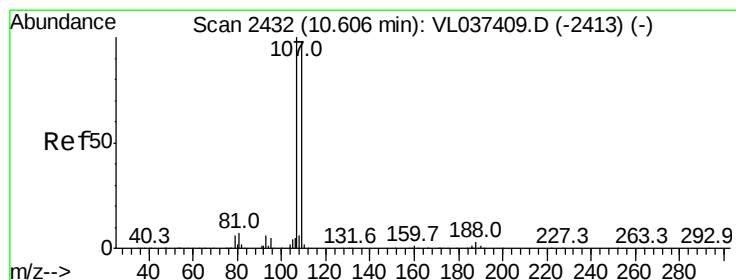
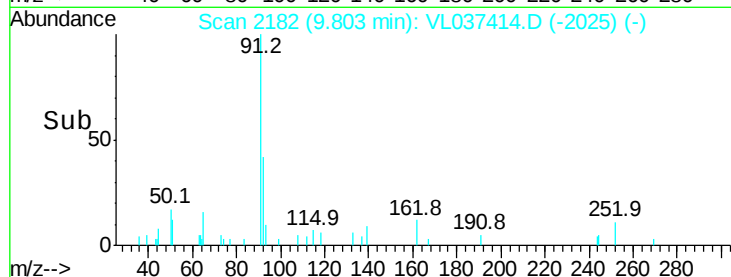
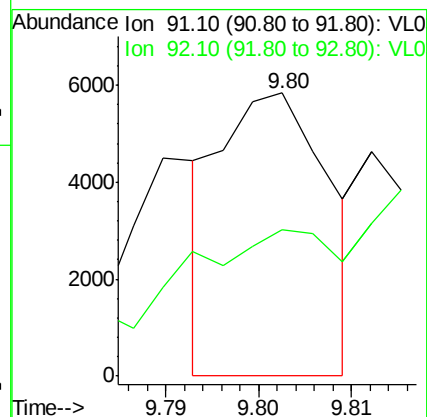
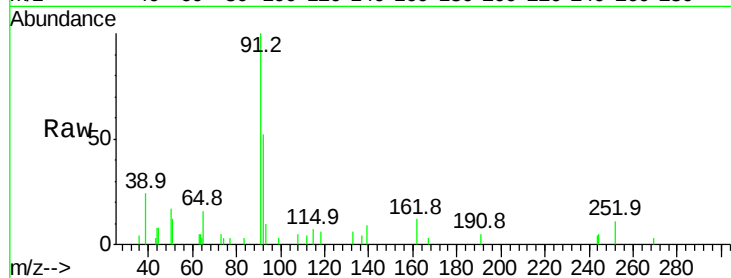
VSTDIC0.03

Tgt Ion: 91 Resp: 4722

Ion Ratio Lower Upper

91 100

92 0.0 49.0 73.6#



#54

1,2-Dibromoethane

Concen: 0.009 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.00 min

Lab File: VL037414.D

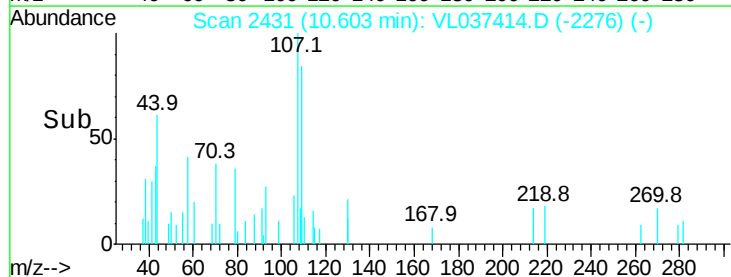
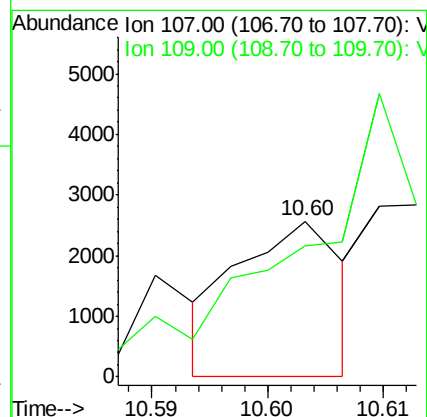
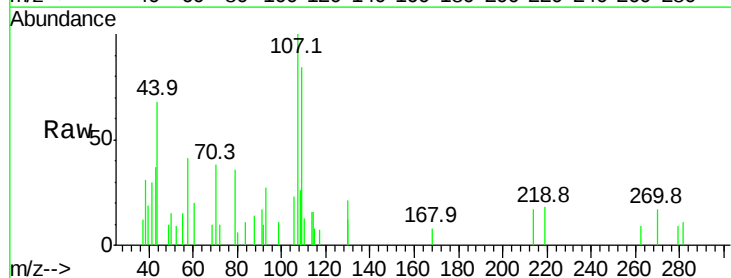
Acq: 12 Aug 2021 14:09

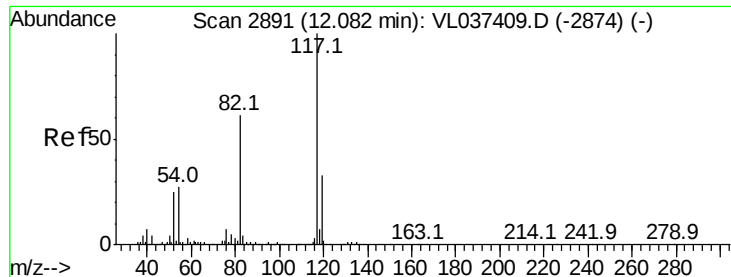
Tgt Ion: 107 Resp: 1614

Ion Ratio Lower Upper

107 100

109 115.8 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: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

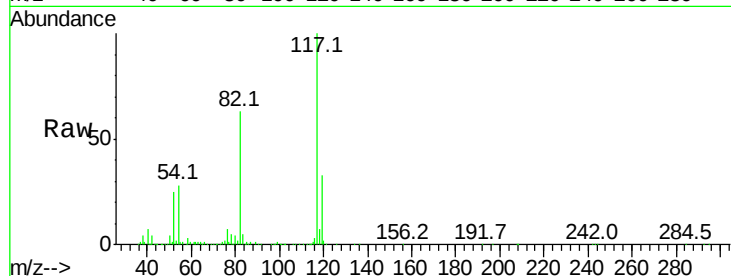
Tgt Ion:117 Resp: 3234303

Ion Ratio Lower Upper

117 100

82 64.9 53.1 79.7

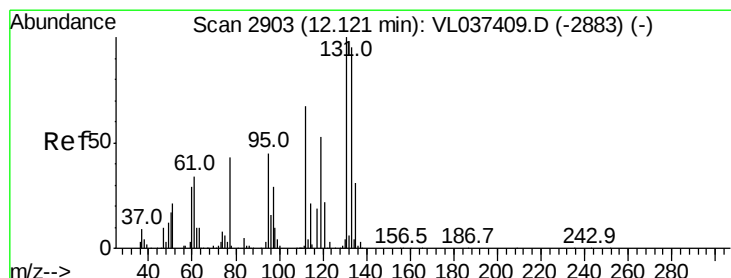
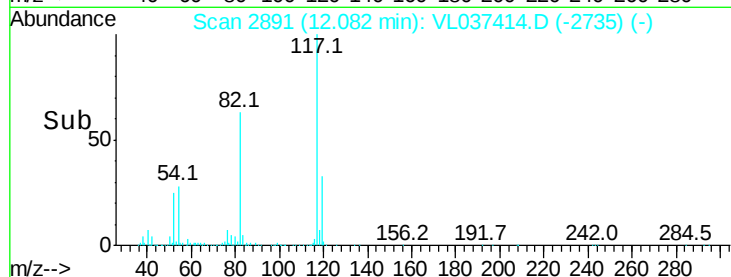
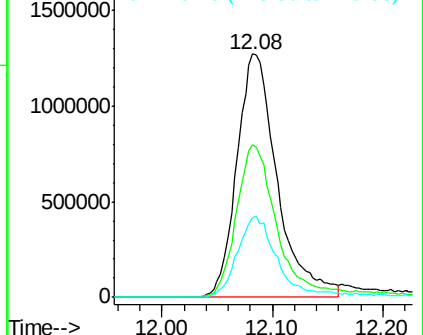
119 35.0 28.0 42.0



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: 0.007 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. -0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

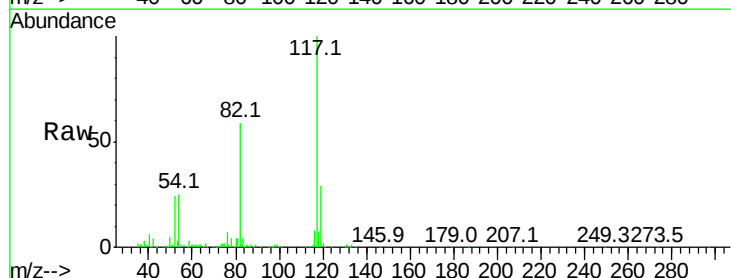
Tgt Ion:131 Resp: 831

Ion Ratio Lower Upper

131 100

133 659.3 77.1 115.7#

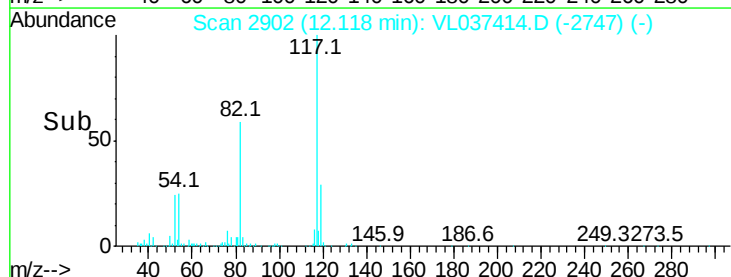
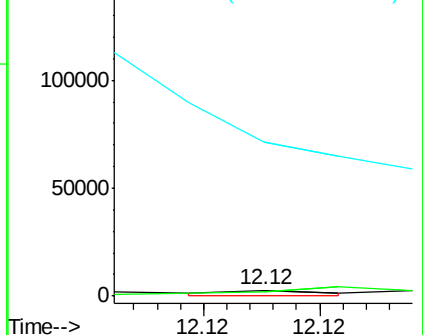
119 0.0 59.7 89.5#

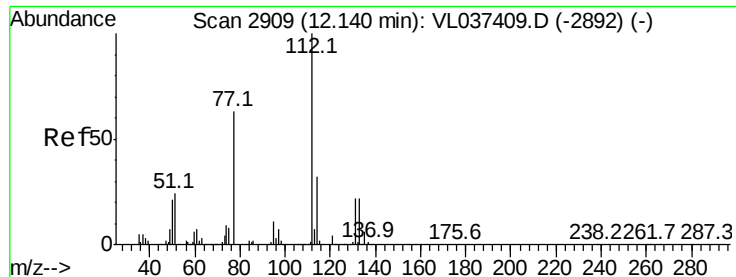


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.010 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

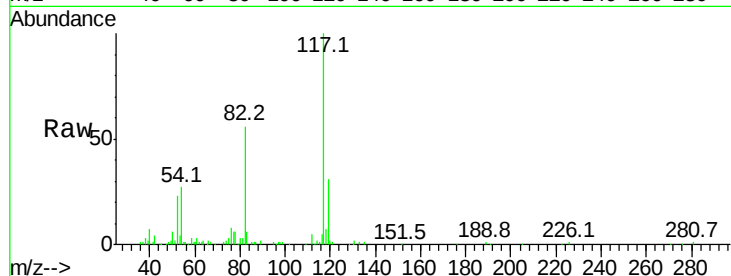
Tgt Ion: 112 Resp: 2620

Ion Ratio Lower Upper

112 100

77 80.6 50.0 75.0#

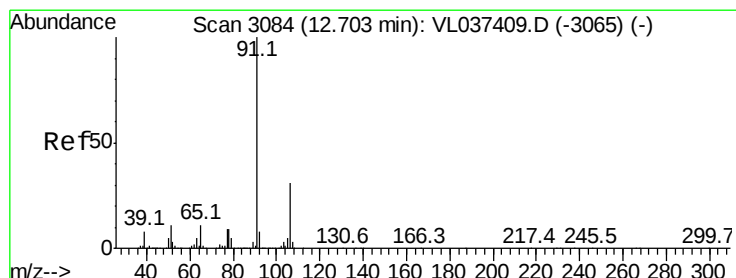
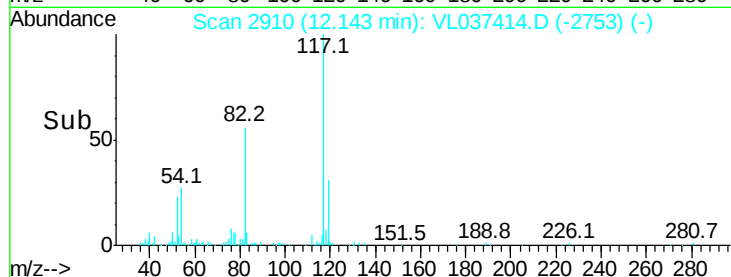
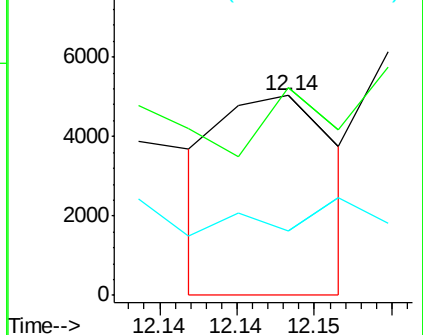
114 9.7 28.5 34.9#



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: 0.013 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. 0.27 min

Lab File: VL037414.D

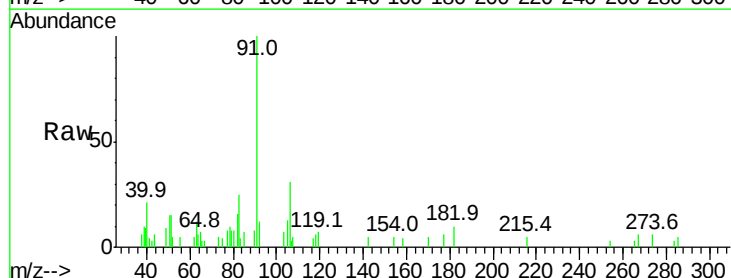
Acq: 12 Aug 2021 14:09

Tgt Ion: 91 Resp: 5690

Ion Ratio Lower Upper

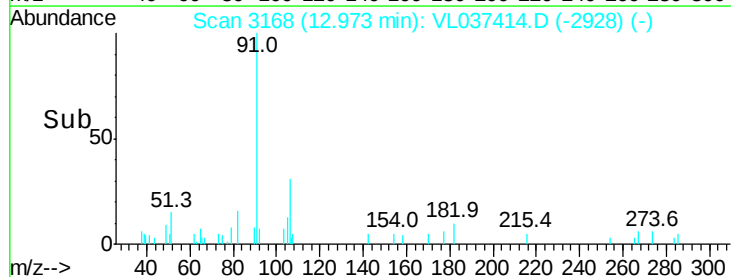
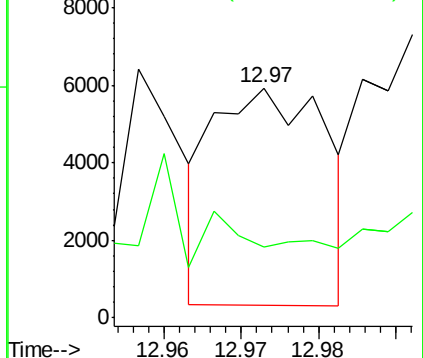
91 100

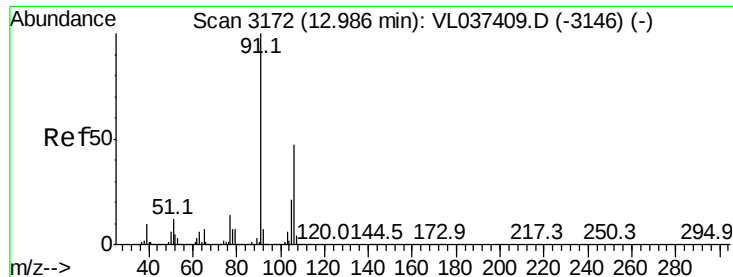
106 27.3 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

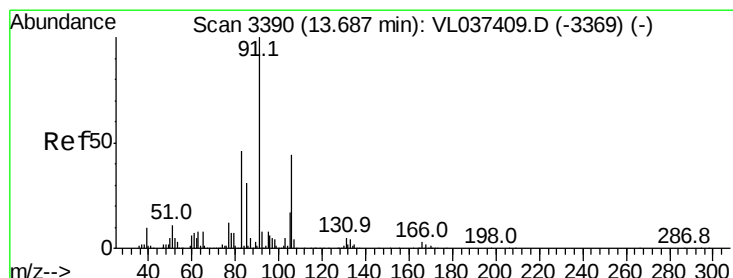
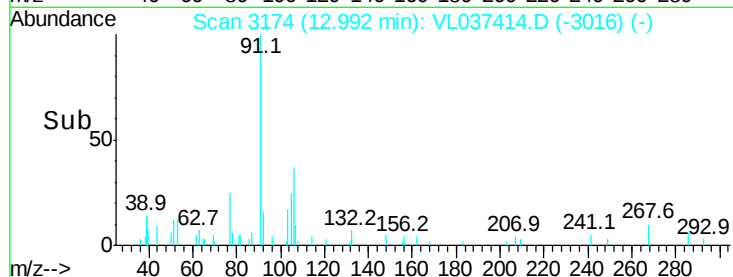
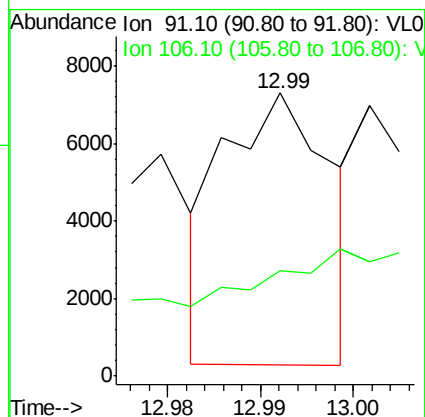
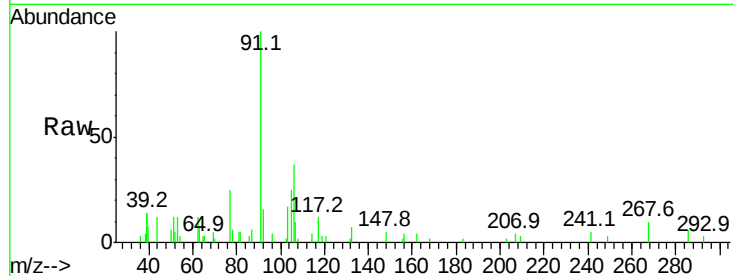




#59
m/p-Xylene
Concen: 0.015 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.01 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

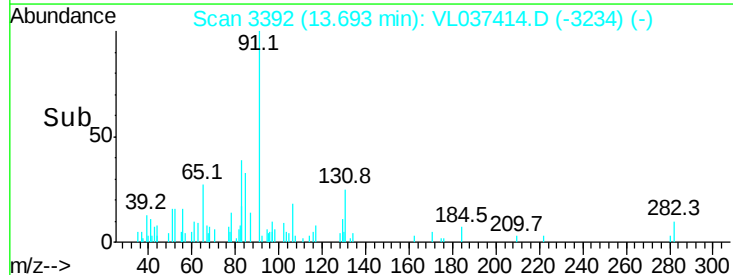
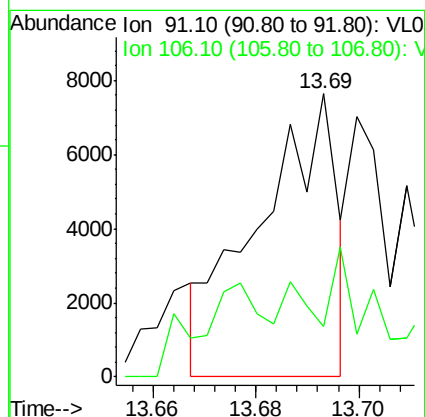
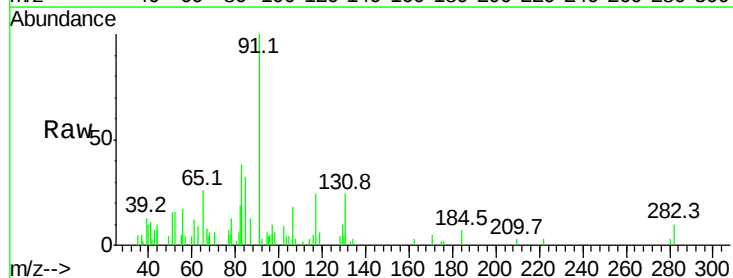
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

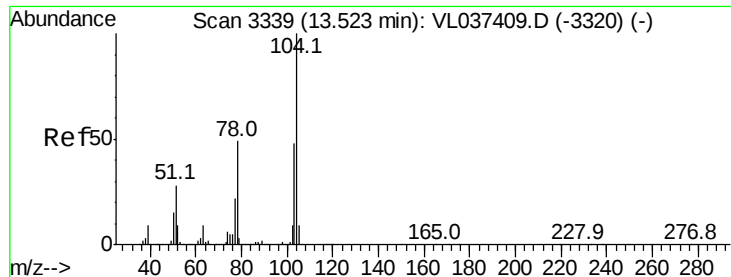
Tgt Ion: 91 Resp: 5613
Ion Ratio Lower Upper
91 100
106 0.0 36.6 54.8#



#60
o-Xylene
Concen: 0.023 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.01 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Tgt Ion: 91 Resp: 8000
Ion Ratio Lower Upper
91 100
106 0.0 24.1 72.2#

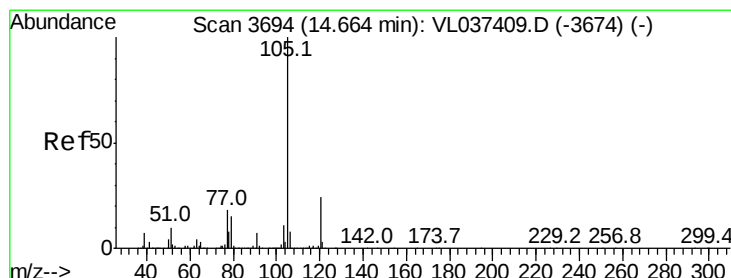
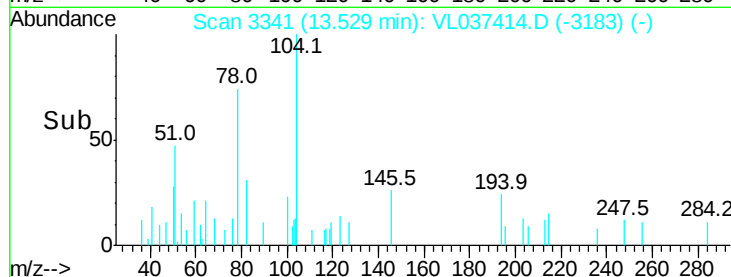
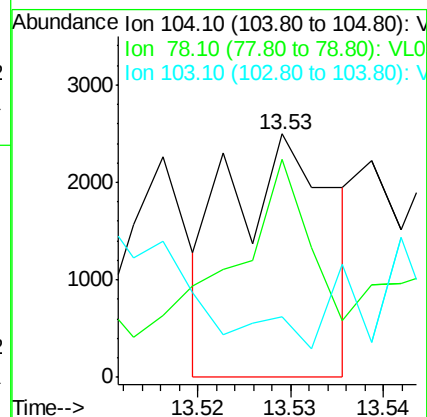
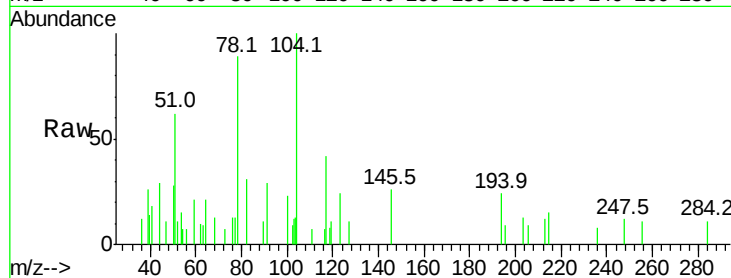




#61
Styrene
Concen: 0.011 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. 0.01 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

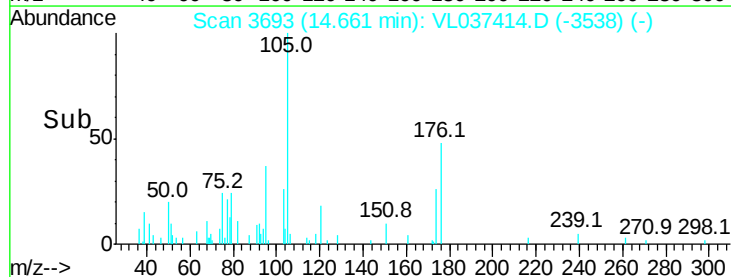
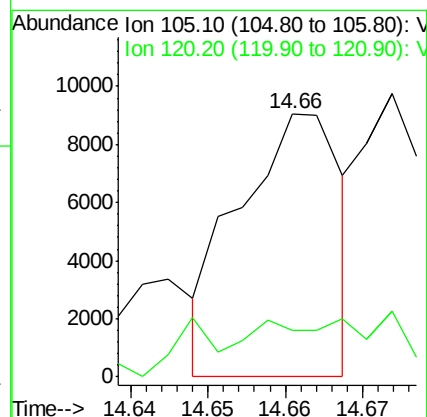
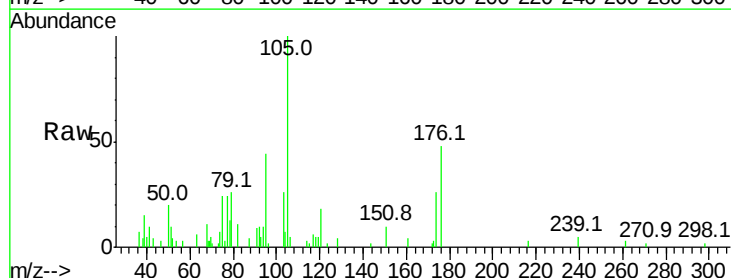
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

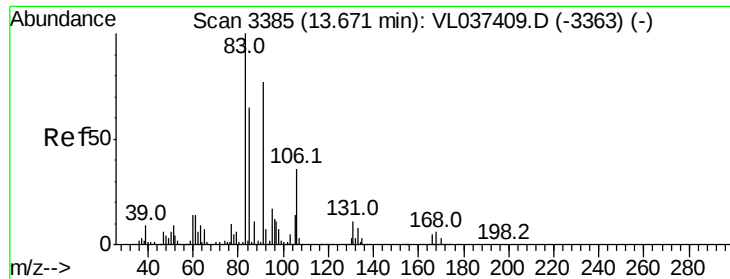
Tgt Ion:104 Resp: 1943
Ion Ratio Lower Upper
104 100
78 154.0 41.5 62.3#
103 0.0 40.2 60.2#



#62
Isopropylbenzene
Concen: 0.017 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Tgt Ion:105 Resp: 8353
Ion Ratio Lower Upper
105 100
120 0.0 21.6 32.4#

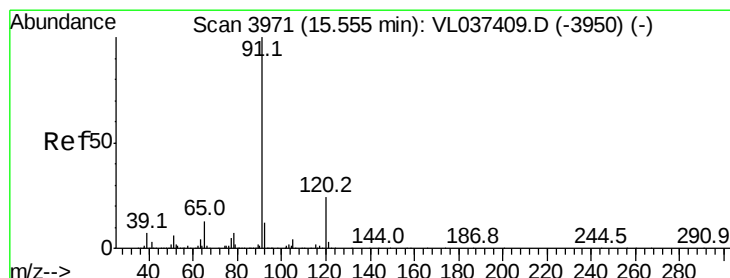
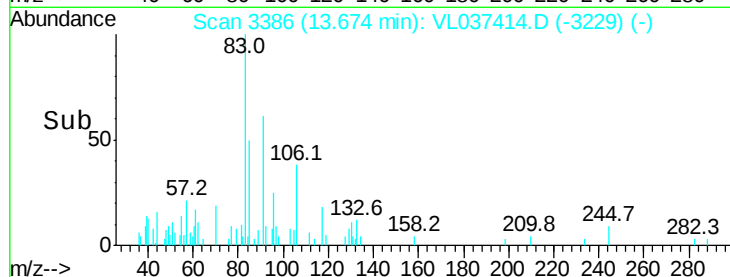
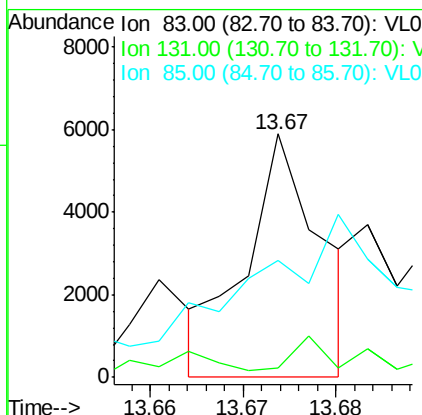
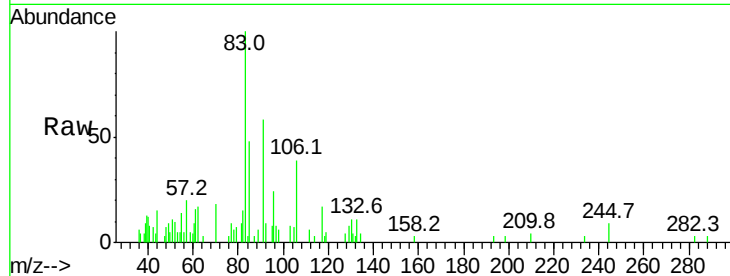




#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.013 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

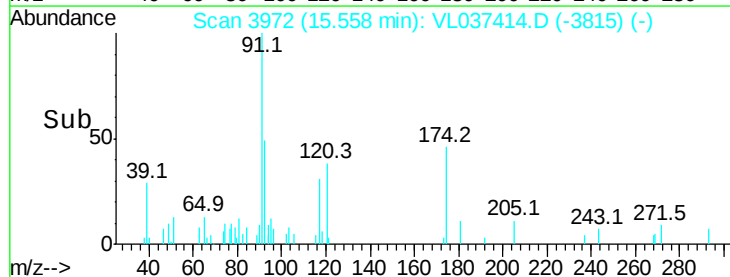
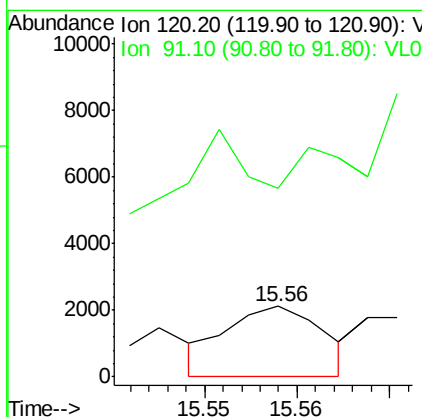
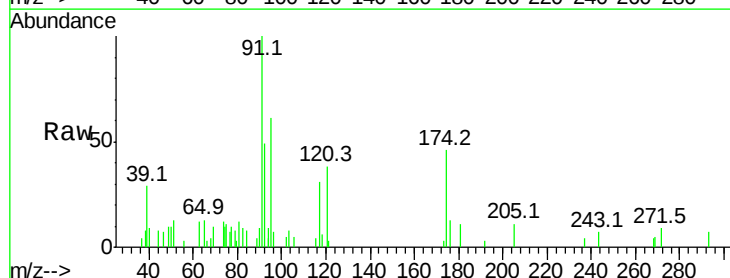
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

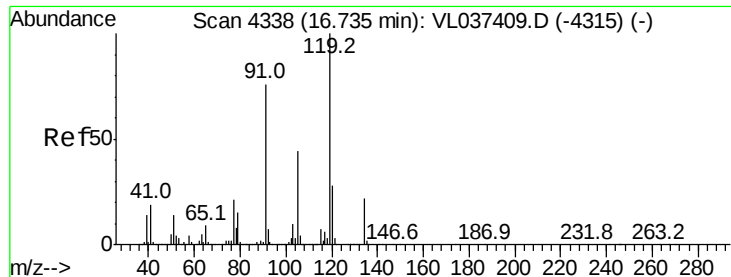
Tgt Ion: 83 Resp: 3281
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.1 15.4#
 85 0.0 33.4 100.2#



#64
 n-propylbenzene
 Concen: 0.013 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.00 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

Tgt Ion: 120 Resp: 1549
 Ion Ratio Lower Upper
 120 100
 91 0.0 388.4 582.6#

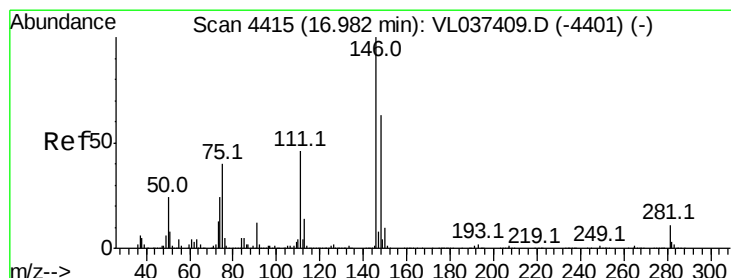
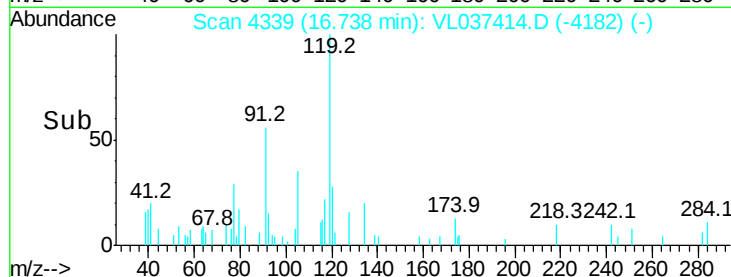
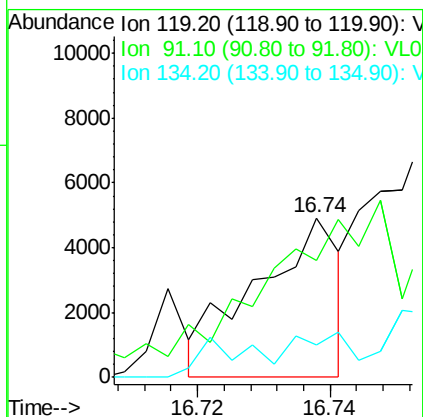
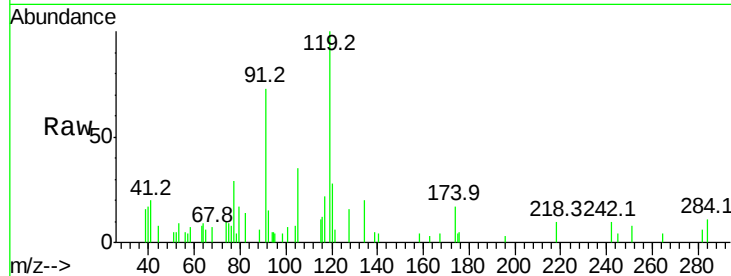




#65
tert-Butylbenzene
Concen: 0.010 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. 0.00 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

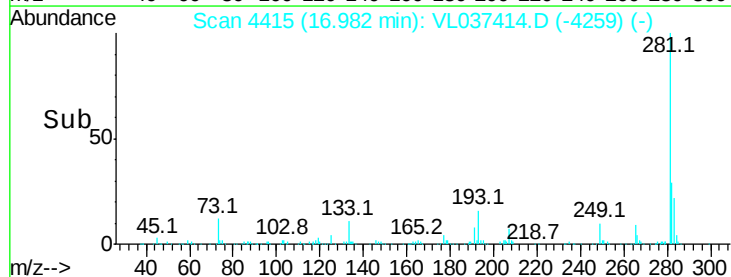
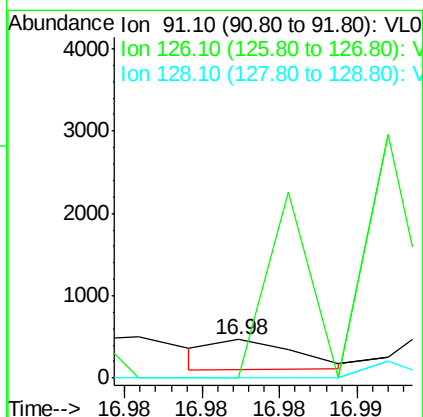
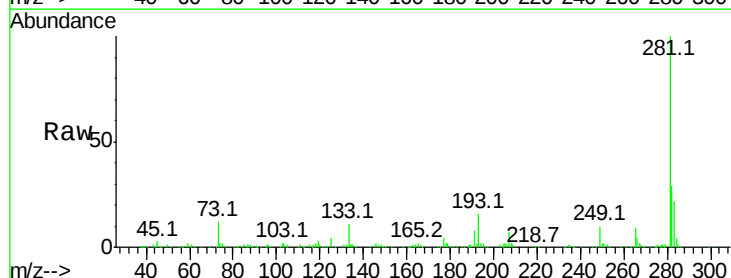
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

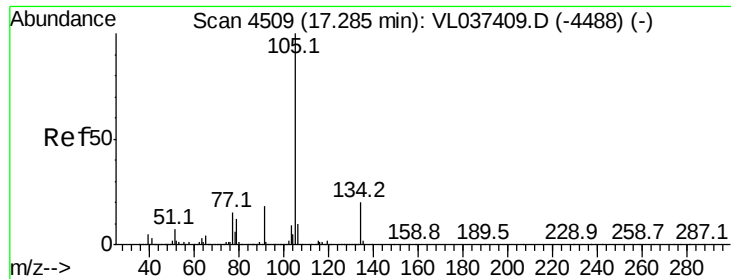
Tgt Ion: 119 Resp: 4320
Ion Ratio Lower Upper
119 100
91 0.0 62.2 93.4#
134 0.0 16.1 24.1#



#66
Benzyl Chloride
Concen: 0.007 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. 0.00 min
Lab File: VL037414.D
Acq: 12 Aug 2021 14:09

Tgt Ion: 91 Resp: 133
Ion Ratio Lower Upper
91 100
126 0.0 14.3 21.5#
128 0.0 4.6 7.0#

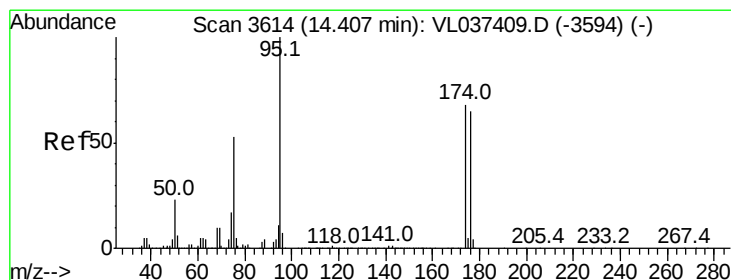
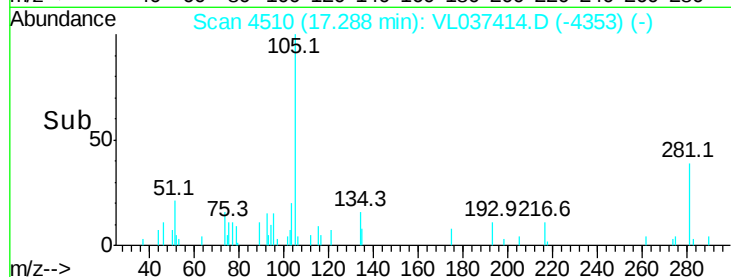
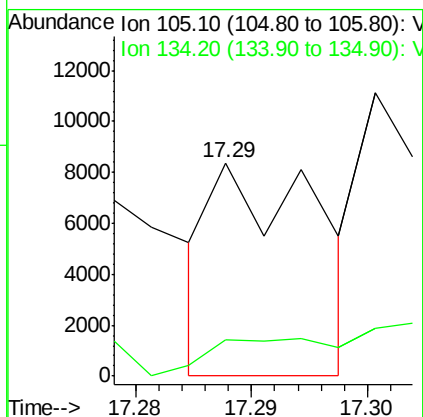
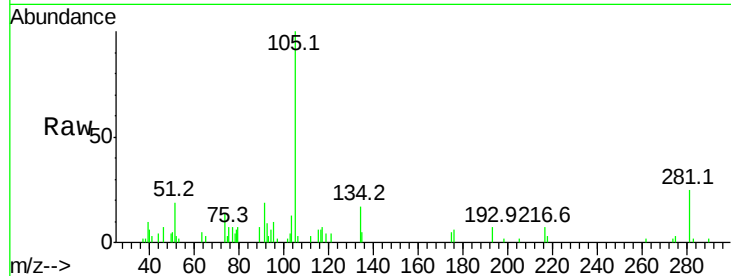




#67
 sec-Butylbenzene
 Concen: 0.009 ppbv
 RT: 17.29 min Scan# 4510
 Delta R.T. 0.00 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

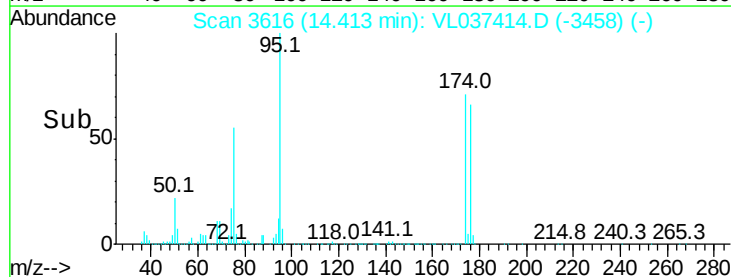
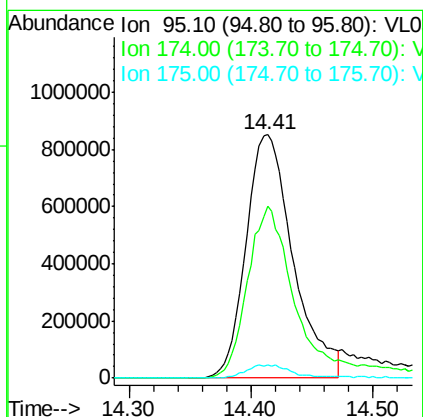
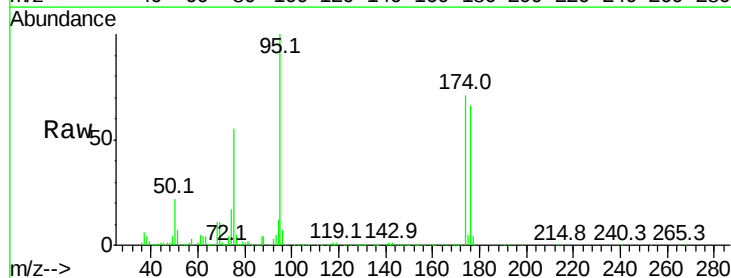
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

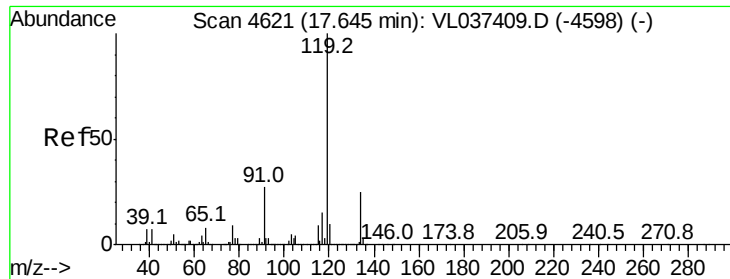
Tgt Ion:105 Resp: 5309
 Ion Ratio Lower Upper
 105 100
 134 0.0 15.4 23.0#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.437 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. 0.01 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

Tgt Ion: 95 Resp: 2276205
 Ion Ratio Lower Upper
 95 100
 174 78.6 59.6 89.4
 175 6.2 4.3 6.5





#69

p-Isopropyltoluene

Concen: 0.010 ppbv

RT: 17.65 min Scan# 4623

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

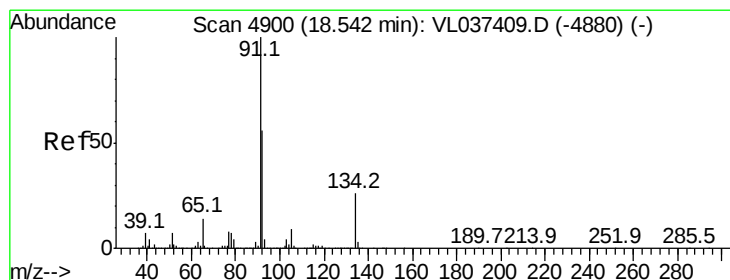
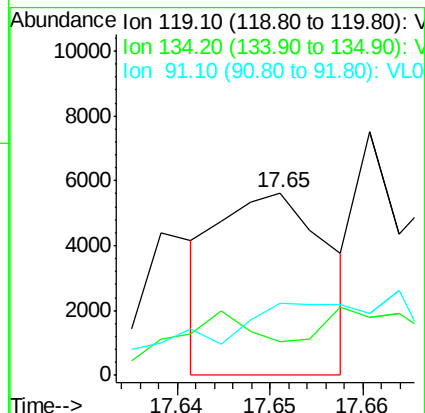
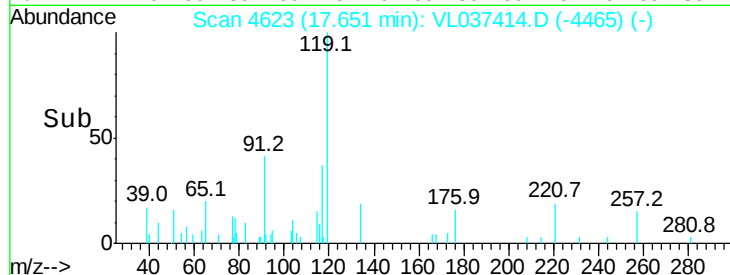
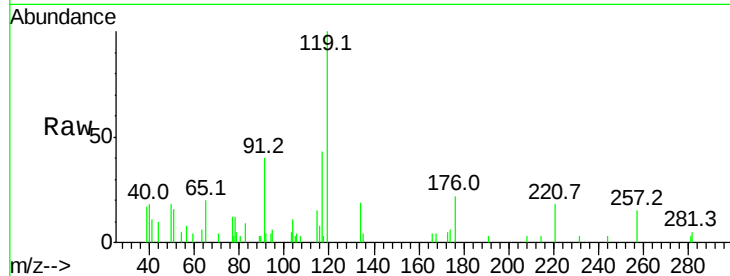
Tgt Ion: 119 Resp: 4619

Ion Ratio Lower Upper

119 100

134 0.0 20.6 31.0#

91 0.0 22.4 33.6#



#70

n-Butylbenzene

Concen: 0.002 ppbv

RT: 18.54 min Scan# 4900

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

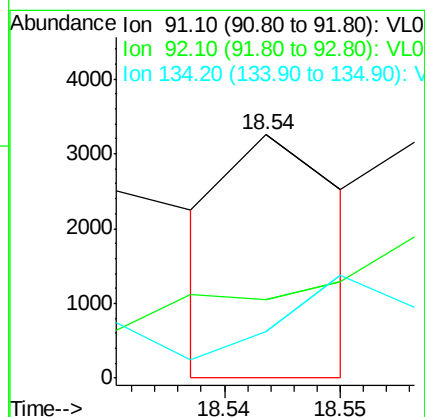
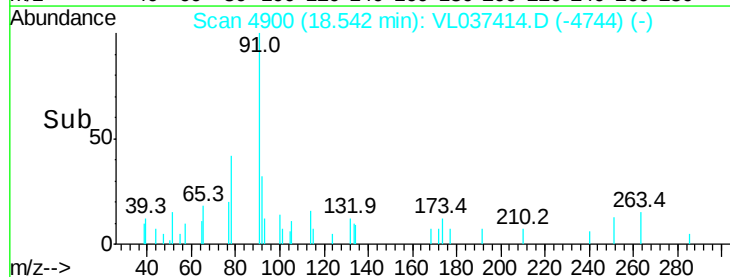
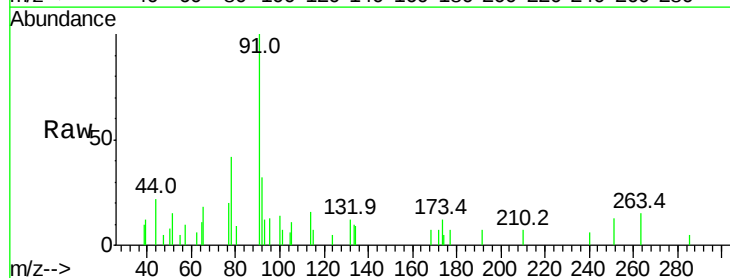
Tgt Ion: 91 Resp: 1117

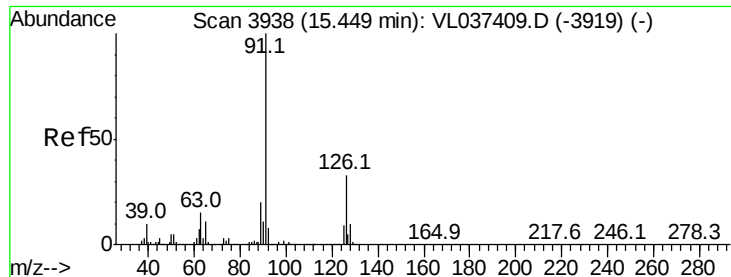
Ion Ratio Lower Upper

91 100

92 0.0 44.2 66.2#

134 0.0 19.5 29.3#





#71

2-Chlorotoluene

Concen: 0.002 ppbv

RT: 15.51 min Scan# 3958

Delta R.T. 0.06 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

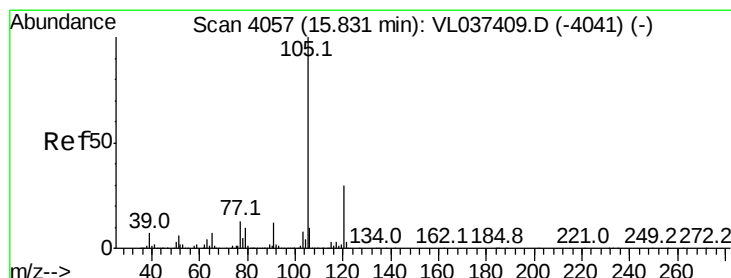
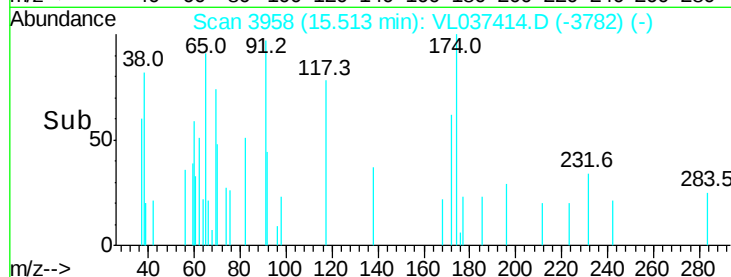
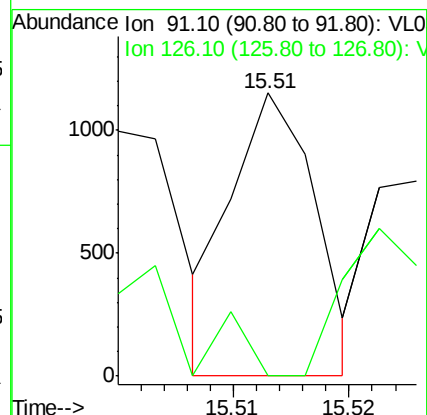
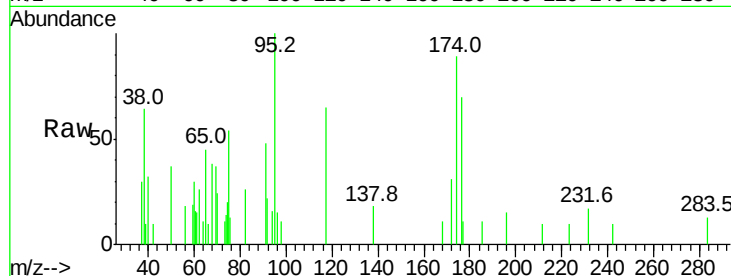
VSTDIC0.03

Tgt Ion: 91 Resp: 581

Ion Ratio Lower Upper

91 100

126 47.8 13.5 53.9



#72

4-Ethyltoluene

Concen: 0.006 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. 0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Tgt Ion: 105 Resp: 2292

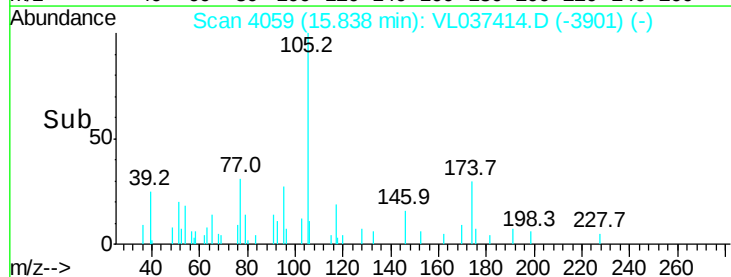
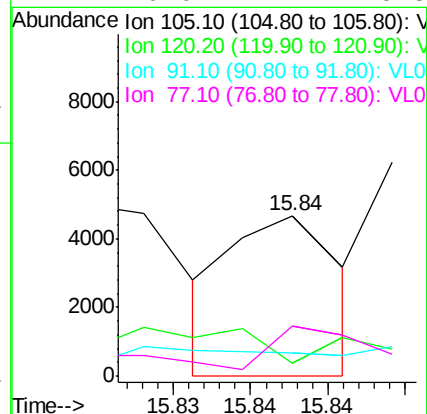
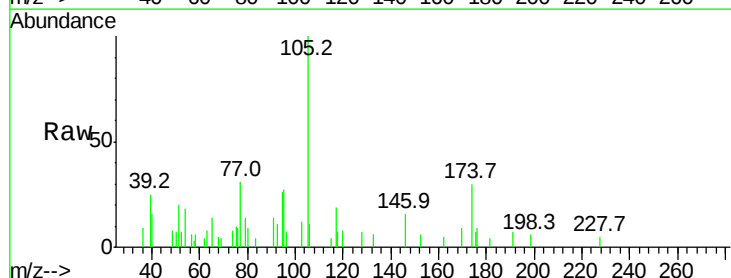
Ion Ratio Lower Upper

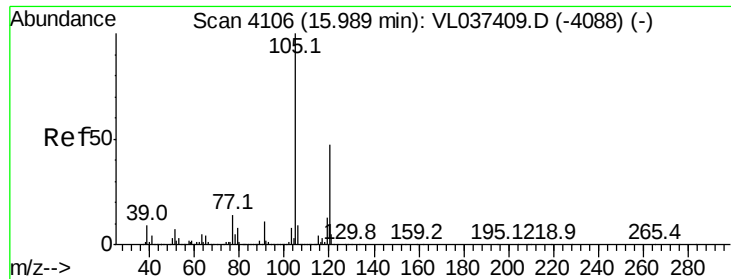
105 100

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: 0.007 ppbv

RT: 15.99 min Scan# 4106

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

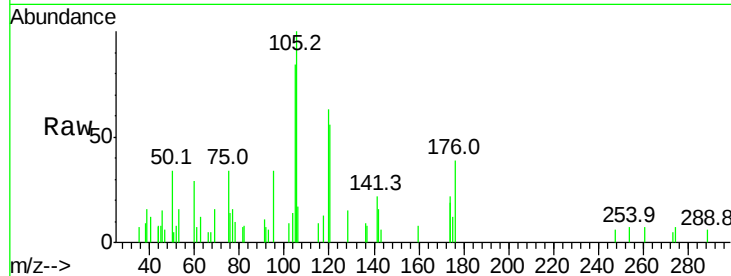
VSTDIC0.03

Tgt Ion:105 Resp: 2698

Ion Ratio Lower Upper

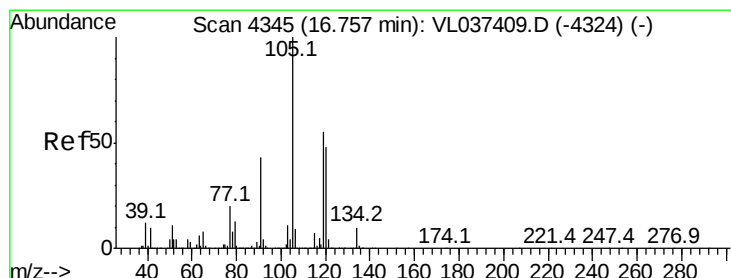
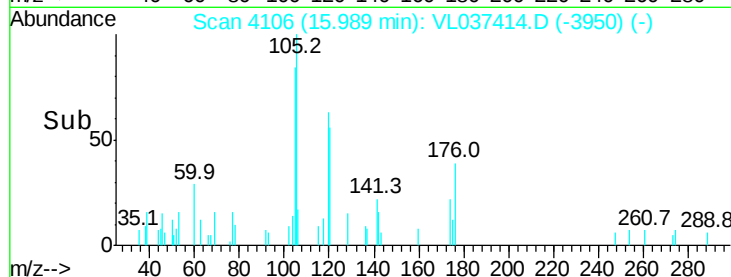
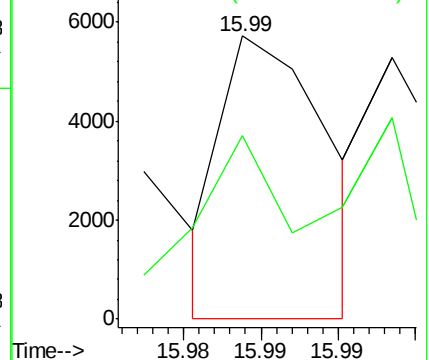
105 100

120 47.5 37.4 56.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.011 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Tgt Ion:105 Resp: 4227

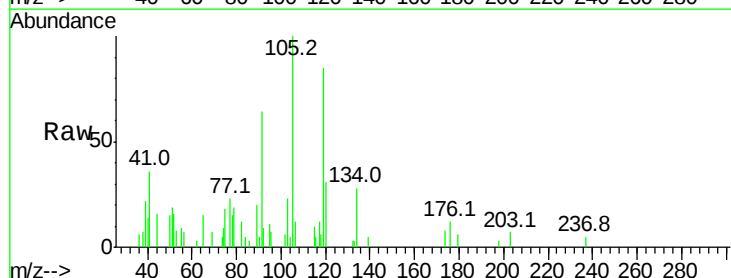
Ion Ratio Lower Upper

105 100

120 12.5 38.2 57.2#

91 0.0 35.4 53.2#

77 5.4 16.2 24.2#

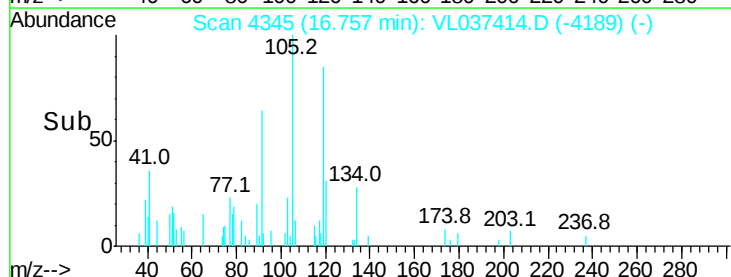
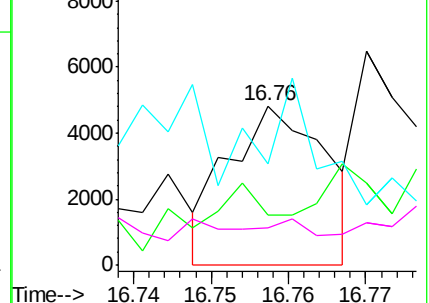


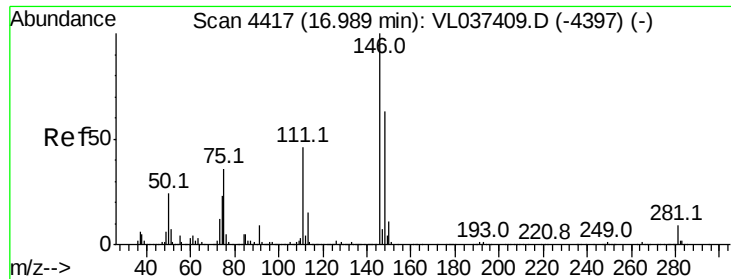
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 0.010 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

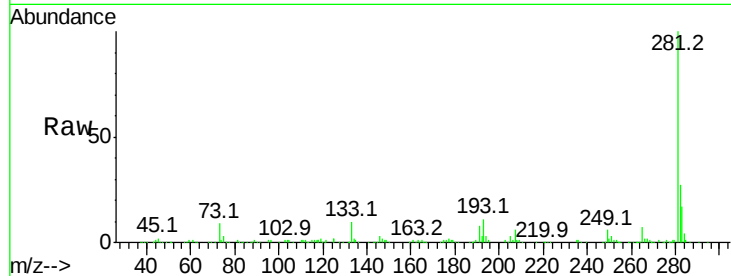
Tgt Ion:146 Resp: 2221

Ion Ratio Lower Upper

146 100

111 0.0 22.9 68.7#

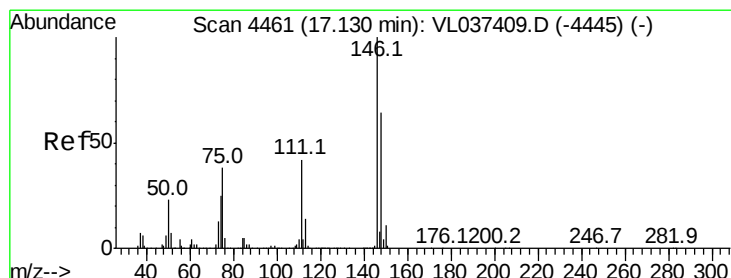
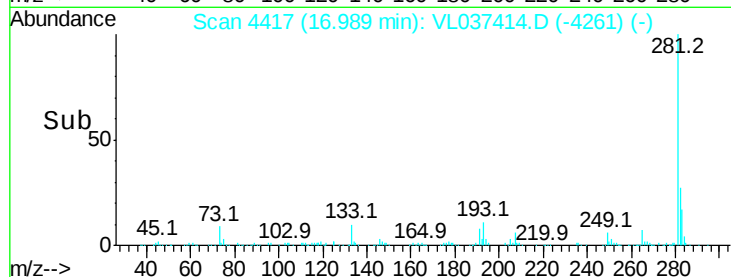
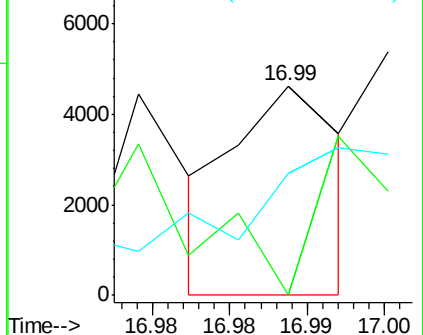
148 0.0 32.0 96.2#



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: 0.011 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.01 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

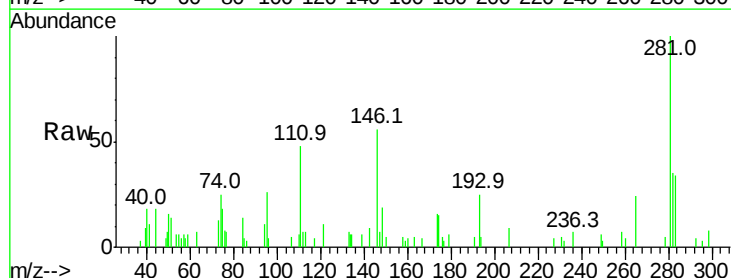
Tgt Ion:146 Resp: 2473

Ion Ratio Lower Upper

146 100

111 0.0 22.8 68.4#

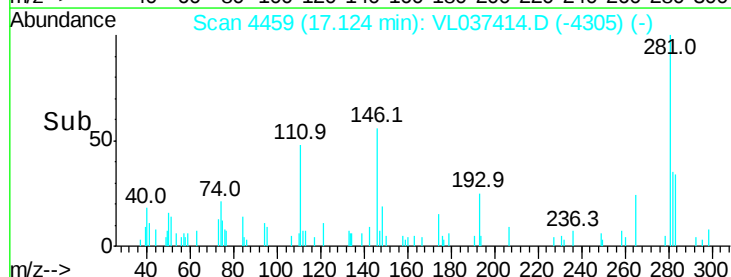
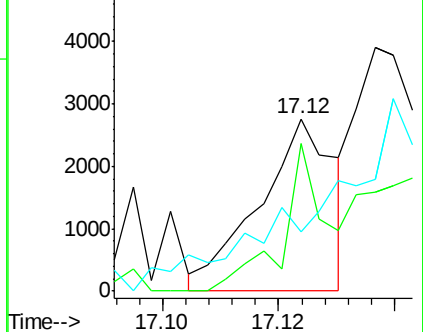
148 0.0 34.0 102.0#

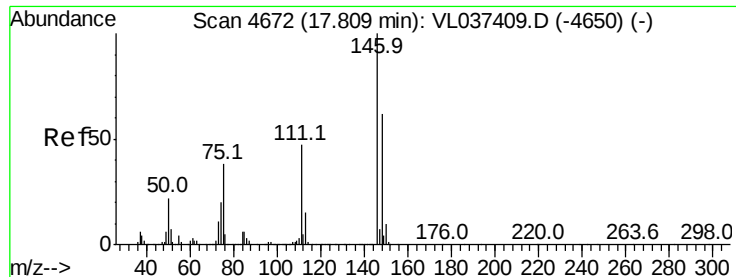


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.008 ppbv

RT: 17.81 min Scan# 4673

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

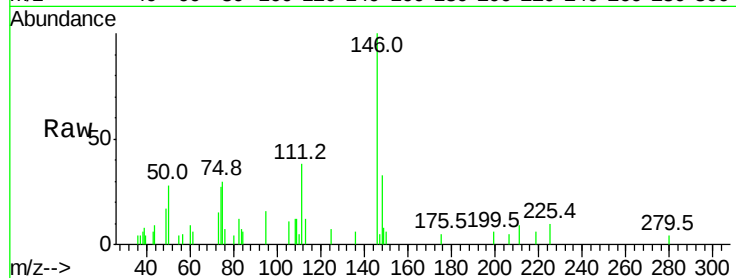
Tgt Ion:146 Resp: 1700

Ion Ratio Lower Upper

146 100

111 0.0 23.8 71.5#

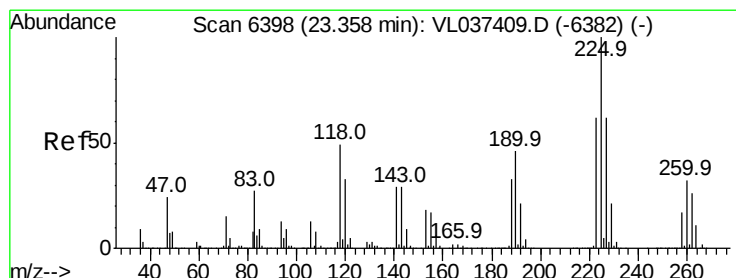
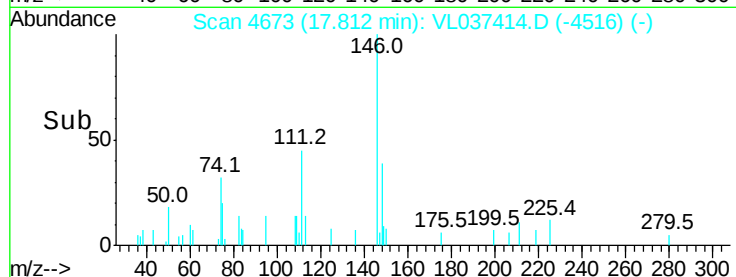
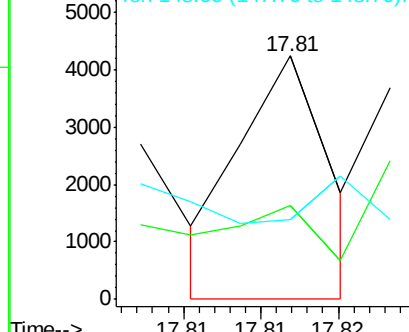
148 0.0 32.5 97.4#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.006 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

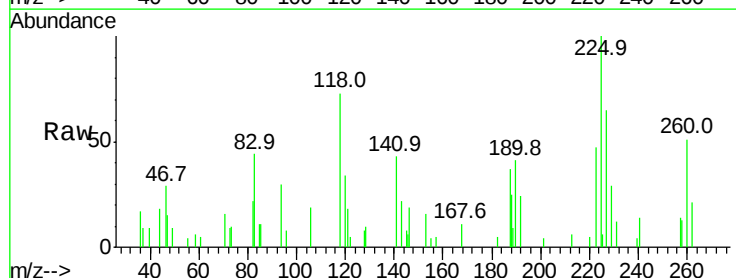
Tgt Ion:225 Resp: 1129

Ion Ratio Lower Upper

225 100

223 0.0 51.2 76.8#

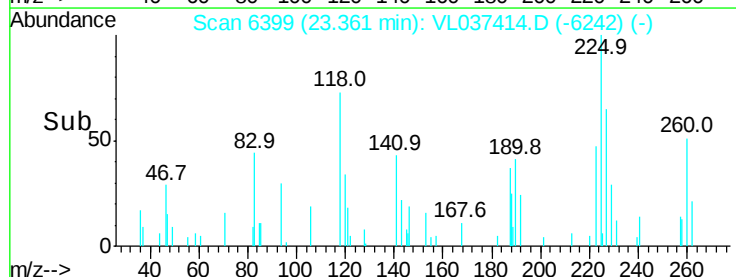
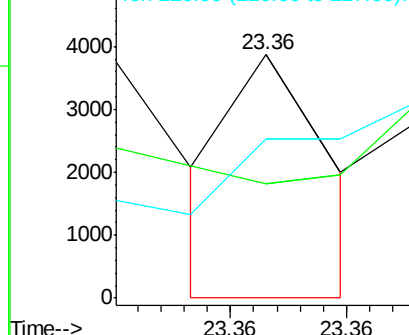
227 0.0 52.2 78.4#

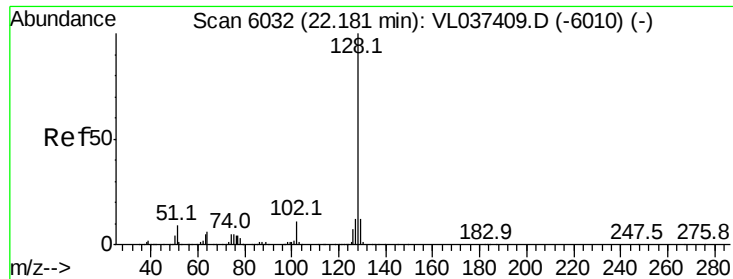


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.001 ppbv

RT: 22.18 min Scan# 6032

Delta R.T. 0.00 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

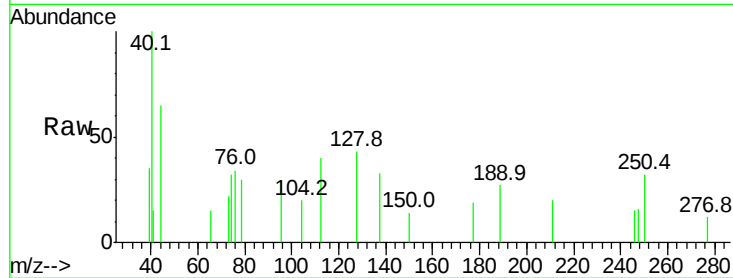
Tgt Ion:128 Resp: 177

Ion Ratio Lower Upper

128 100

127 100.0 9.9 14.9#

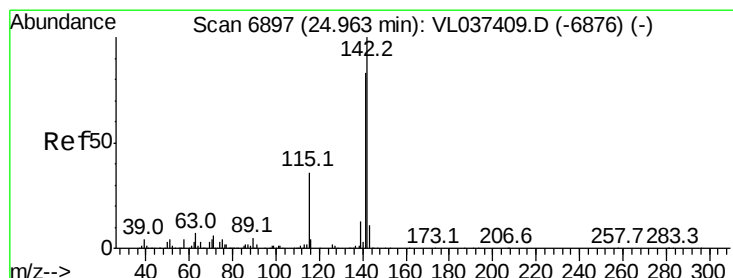
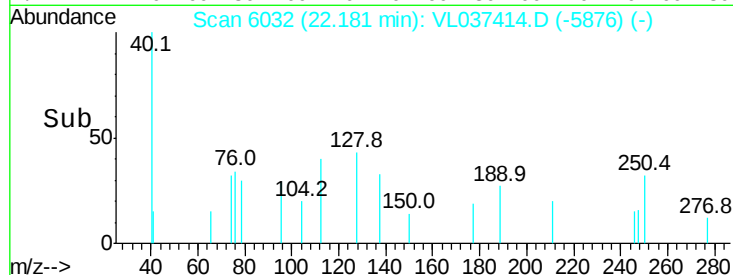
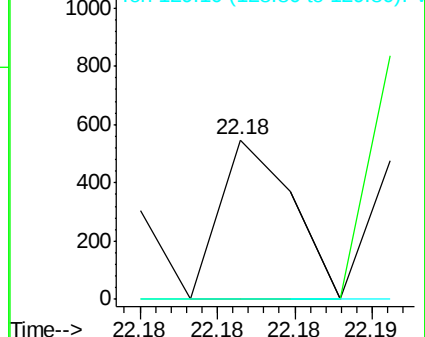
129 0.0 9.4 14.0#



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: 25.00 min Scan# 6910

Delta R.T. 0.04 min

Lab File: VL037414.D

Acq: 12 Aug 2021 14:09

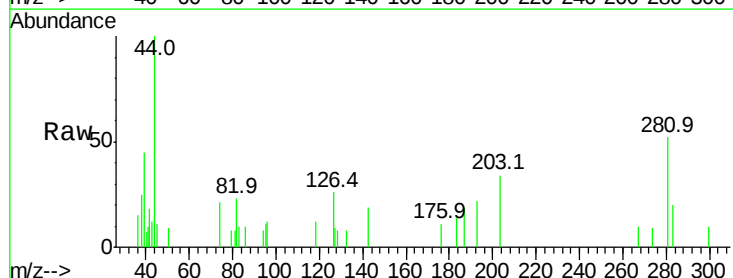
Tgt Ion:142 Resp: 166

Ion Ratio Lower Upper

142 100

141 18.7 68.7 103.1#

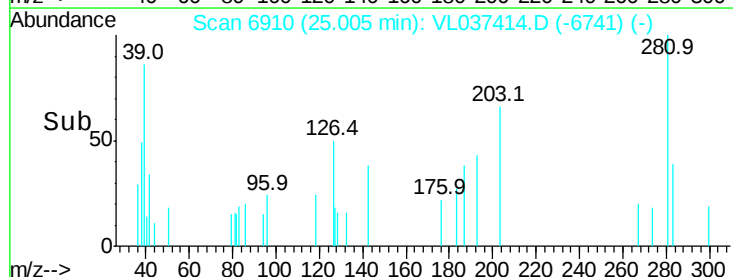
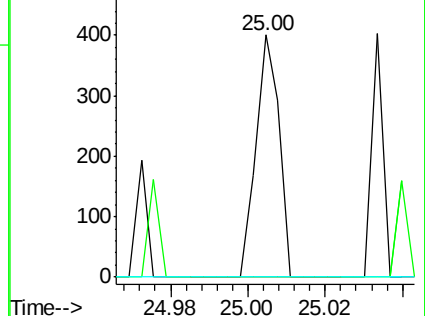
115 0.0 32.7 49.1#

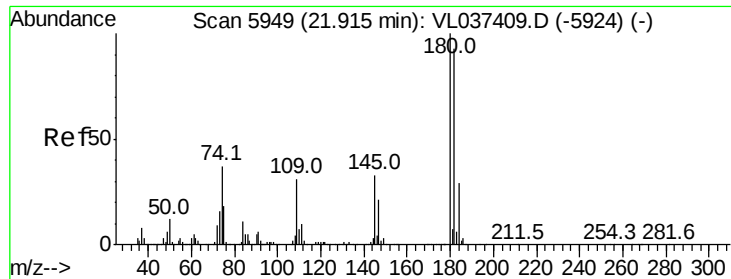


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

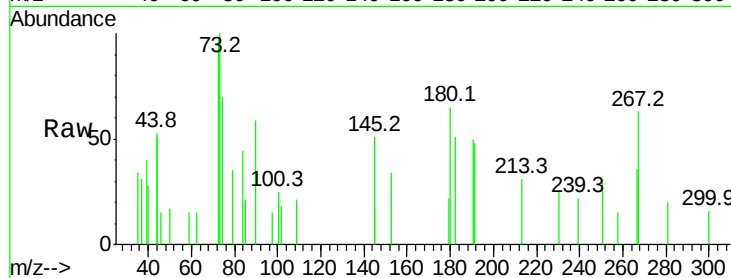




#81
 1,2,4-Trichlorobenzene
 Concen: 0.002 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.00 min
 Lab File: VL037414.D
 Acq: 12 Aug 2021 14:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

Tgt Ion:180 Resp: 341
 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

