

Data File : VL037148.D

Acq On : 14 Jun 2021 14:15

Operator : SY/AP

Sample : VSTDIC0.5

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Quant Time: Jun 14 14:46:57 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061421AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021

QLast Update : Tue May 18 12:00:15 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1641344	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4770288	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4274524	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3153426	9.82	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.05	85	166448	0.598	ppbv 98
3) Chlorodifluoromethane	2.99	51	156322	0.520	ppbv 98
4) Chloromethane	3.15	50	50884	0.497	ppbv 98
5) Vinyl Chloride	3.26	62	51308	0.459	ppbv # 84
6) Bromomethane	3.48	94	26596	0.451	ppbv 97
7) Chloroethane	3.56	64	18207	0.501	ppbv # 85
8) Dichlorotetrafluoroethane	3.19	85	144112	0.551	ppbv 93
9) Propene	3.01	41	52653	0.489	ppbv 99
10) Heptane	8.13	43	112251	0.418	ppbv 99
11) Trichlorofluoromethane	3.96	101	148054	0.574	ppbv 90
12) 1,1,2-Trichlorotrifluoroet	4.49	101	98027	0.534	ppbv 91
14) Bromoethene	3.75	108	37983	0.470	ppbv # 87
15) Acetone	3.88	43	98212	0.584	ppbv # 62
16) 1,3-Butadiene	3.33	39	49970	0.478	ppbv 93
18) 1,1-Dichloroethene	4.30	96	40610	0.478	ppbv 90
20) Methylene Chloride	4.35	84	43575	0.484	ppbv 93
21) Allyl Chloride	4.42	41	41694	0.329	ppbv # 49
22) trans-1,2-Dichloroethene	4.90	96	29578	0.364	ppbv 94
23) Vinyl Acetate	5.10	43	83508	0.313	ppbv # 93
24) 1,1-Dichloroethane	5.02	63	96559	0.503	ppbv 98
25) Ethyl Acetate	5.70	43	163393	0.404	ppbv # 96
26) Hexane	5.69	57	50946	0.247	ppbv # 1
27) Carbon Disulfide	4.56	76	69855	0.336	ppbv # 88
28) Methyl tert-Butyl Ether	5.06	73	112452	0.455	ppbv 99
29) Chloroform	5.76	83	152247	0.522	ppbv 99
30) Cyclohexane	7.14	84	71019	0.405	ppbv 89
31) cis-1,2-Dichloroethene	5.56	61	78048	0.422	ppbv 93
32) 1,1,1-Trichloroethane	6.52	97	140581	0.449	ppbv 96
35) Carbon Tetrachloride	7.03	117	147656	0.466	ppbv 99
36) Benzene	6.90	78	181636	0.442	ppbv 96
37) 1,2-Dichloroethane	6.32	62	103588	0.508	ppbv 99
38) Trichloroethene	7.85	130	74864	0.426	ppbv 92
39) 1,2-Dichloropropane	7.63	63	68487	0.433	ppbv 96
41) Tetrahydrofuran	6.10	42	30387	0.307	ppbv # 79
42) Bromodichloromethane	7.80	83	131586	0.427	ppbv # 86
43) Methyl Methacrylate	8.04	69	53169	0.375	ppbv 97
44) 2,2,4-Trimethylpentane	7.88	57	311421	0.442	ppbv 95
45) t-1,3-Dichloropropene	9.29	75	22563	0.209	ppbv 98
46) cis-1,3-Dichloropropene	8.71	75	60295	0.414	ppbv 96
47) 1,1,2-Trichloroethane	9.49	97	75464	0.456	ppbv 86
48) Dibromochloromethane	10.32	129	103437	0.386	ppbv 98

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Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Jun 14 14:46:57 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

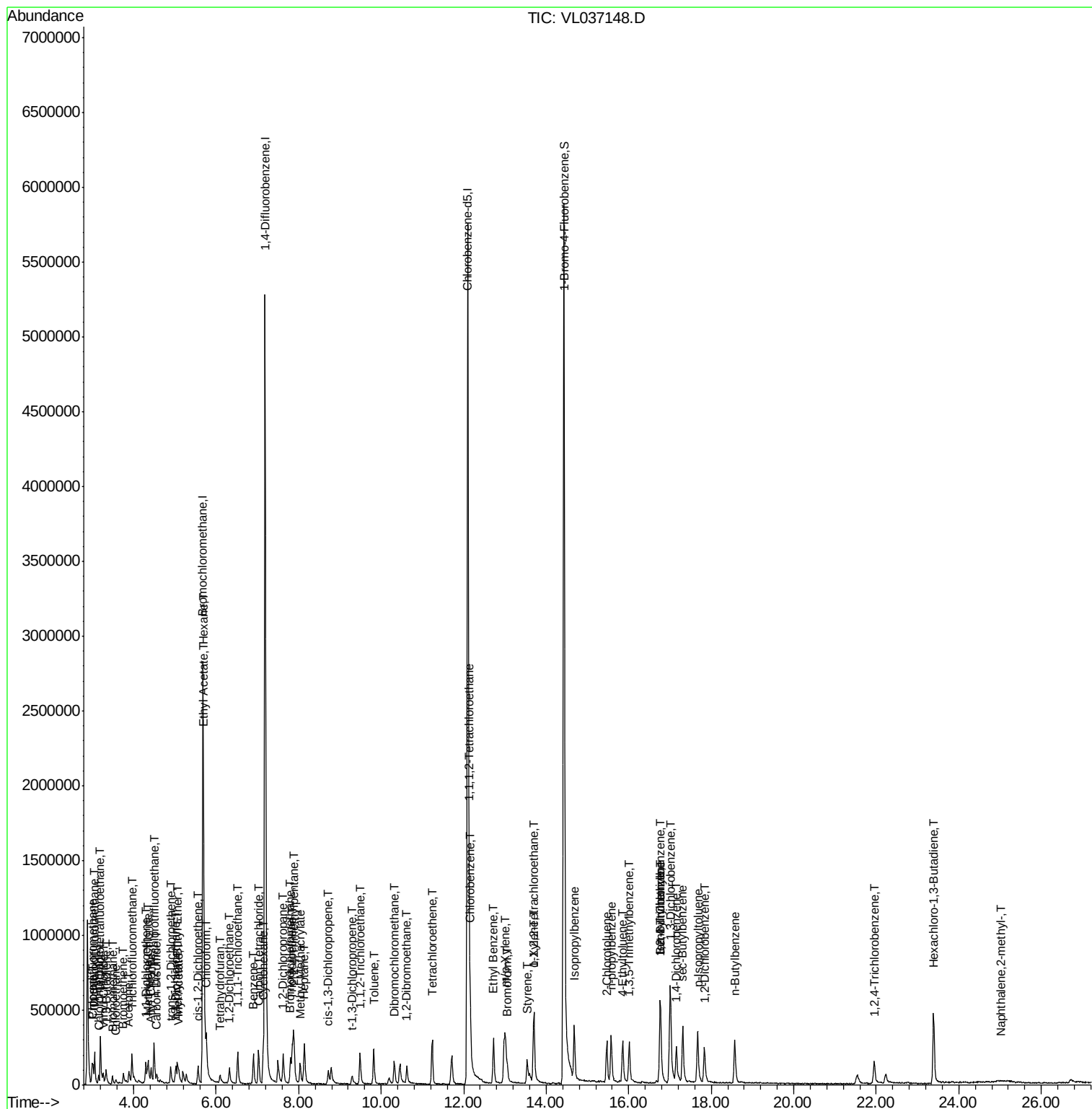
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Bromoform	13.06	173	30160	0.136	ppbv #	26
52) Tetrachloroethene	11.24	164	78589	0.481	ppbv	95
53) Toluene	9.82	91	97688	0.200	ppbv #	11
54) 1,2-Dibromoethane	10.62	107	108016	0.459	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	89956	0.500	ppbv #	1
57) Chlorobenzene	12.16	112	176202	0.532	ppbv	94
58) Ethyl Benzene	12.73	91	275982	0.457	ppbv	93
59) m/p-Xylene	13.01	91	131595	0.264	ppbv #	30
60) o-Xylene	13.70	91	233934	0.492	ppbv	97
61) Styrene	13.54	104	54582	0.204	ppbv #	28
62) Isopropylbenzene	14.68	105	343451	0.502	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.69	83	163437	0.460	ppbv	99
64) n-propylbenzene	15.58	120	45713	0.259	ppbv #	1
65) tert-Butylbenzene	16.76	119	297719	0.483	ppbv	93
66) Benzyl Chloride	16.76	91	233173	6.813	ppbv #	62
67) sec-Butylbenzene	17.31	105	378396	0.450	ppbv	100
69) p-Isopropyltoluene	17.67	119	176763	0.244	ppbv #	59
70) n-Butylbenzene	18.57	91	263606	0.384	ppbv	99
71) 2-Chlorotoluene	15.47	91	231273	0.468	ppbv	100
72) 4-Ethyltoluene	15.85	105	245886	0.436	ppbv	96
73) 1,3,5-Trimethylbenzene	16.01	105	234903	0.443	ppbv	93
74) 1,2,4-Trimethylbenzene	16.78	105	250868	0.458	ppbv #	90
75) 1,3-Dichlorobenzene	17.00	146	139528	0.417	ppbv	84
76) 1,4-Dichlorobenzene	17.16	146	68023	0.201	ppbv #	13
77) 1,2-Dichlorobenzene	17.84	146	51499	0.154	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.39	225	119949	0.445	ppbv	97
80) Naphthalene,2-methyl-	25.03	142	3204	0.034	ppbv #	85
81) 1,2,4-Trichlorobenzene	21.96	180	36786	0.140	ppbv #	6

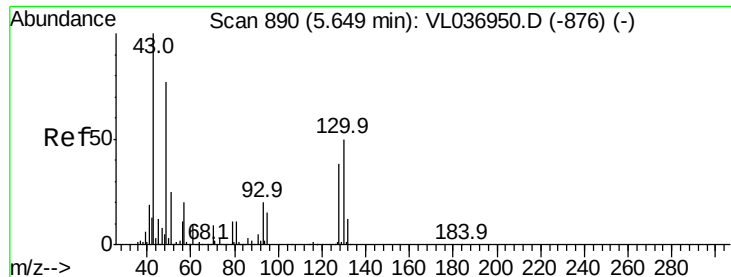
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDICC0.5

Response via : Initial Calibration

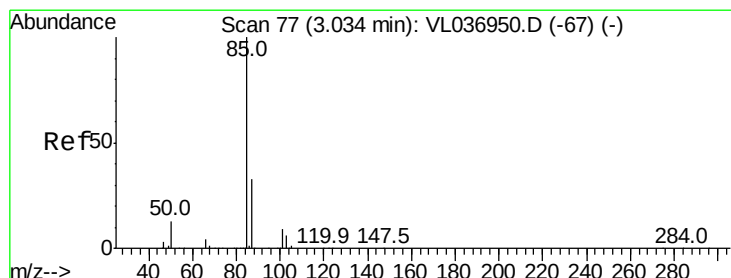
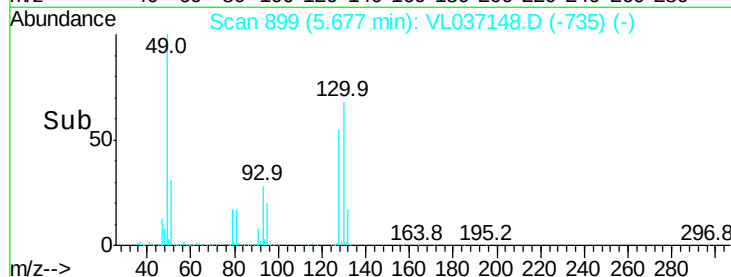
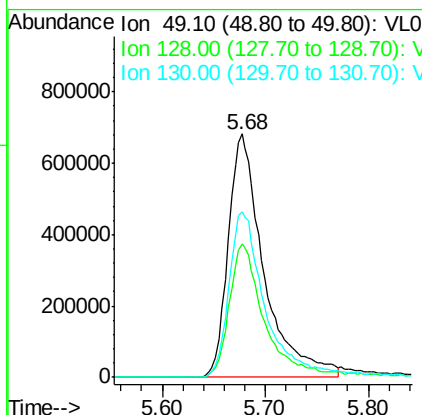
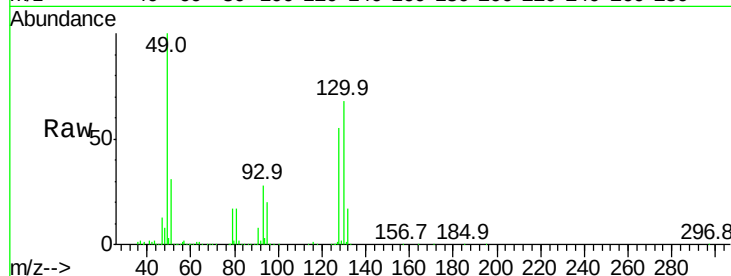




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. 0.03 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

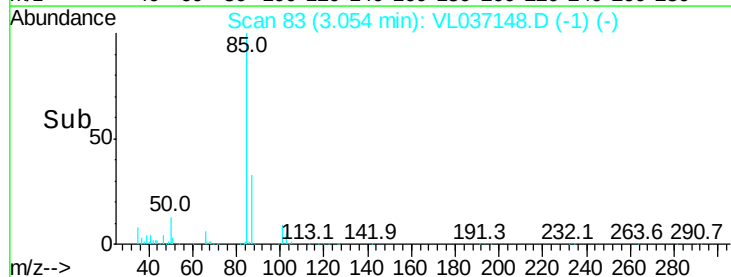
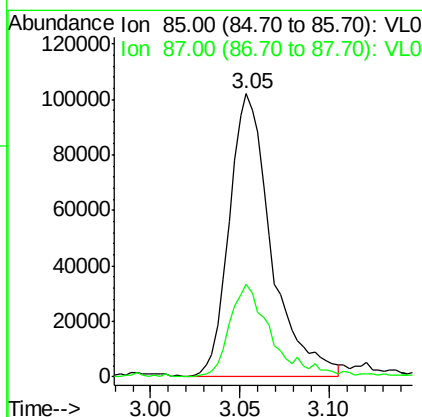
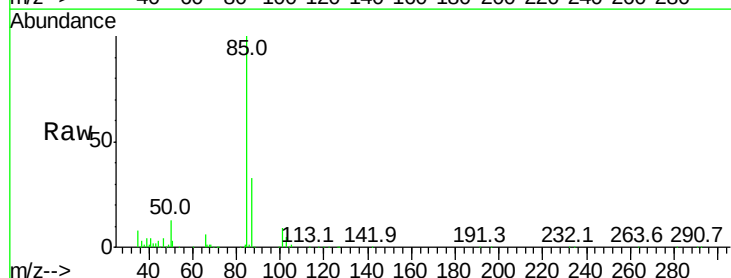
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

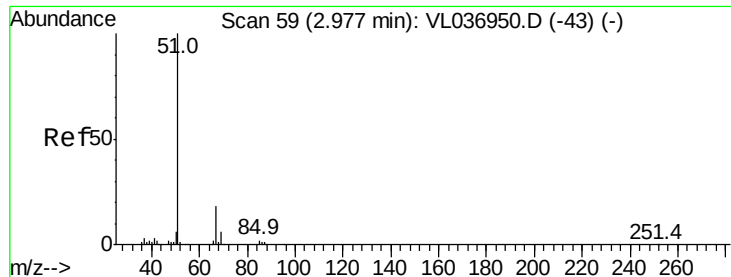
Tgt Ion: 49 Resp: 1641344
 Ion Ratio Lower Upper
 49 100
 128 55.7 26.9 80.7
 130 70.8 33.8 101.4



#2
 Dichlorodifluoromethane
 Concen: 0.598 ppbv
 RT: 3.05 min Scan# 83
 Delta R.T. 0.02 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion: 85 Resp: 166448
 Ion Ratio Lower Upper
 85 100
 87 32.3 26.6 39.8





#3

Chlorodifluoromethane

Concen: 0.520 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

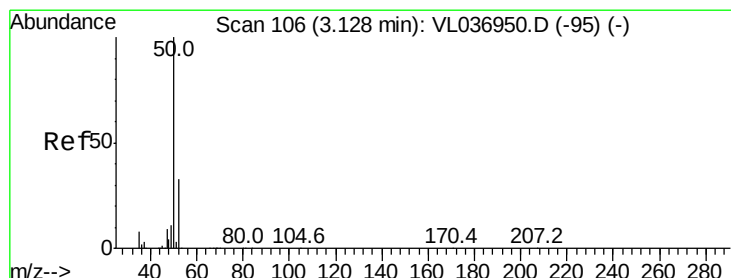
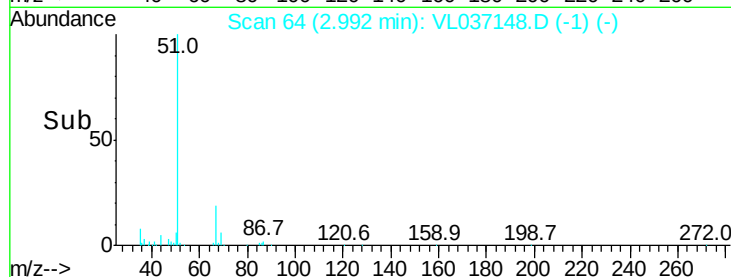
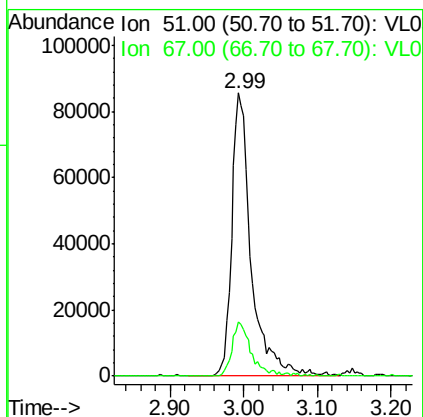
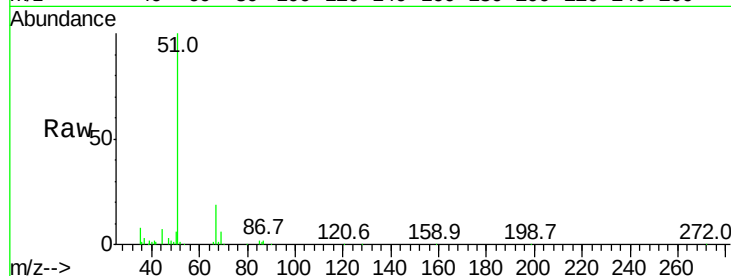
VSTDIC0.5

Tgt Ion: 51 Resp: 156322

Ion Ratio Lower Upper

51 100

67 19.3 14.6 21.8



#4

Chloromethane

Concen: 0.497 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL037148.D

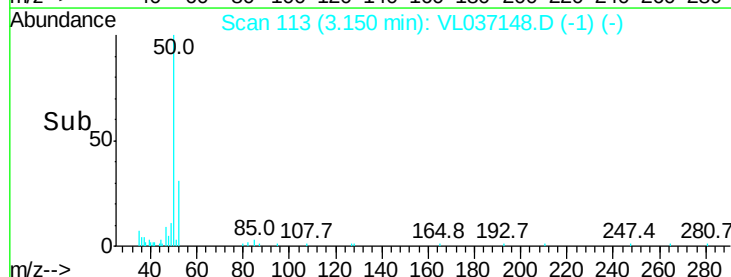
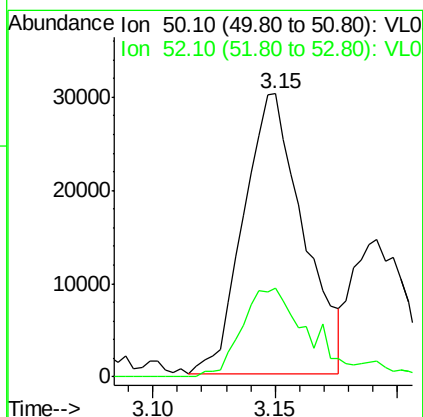
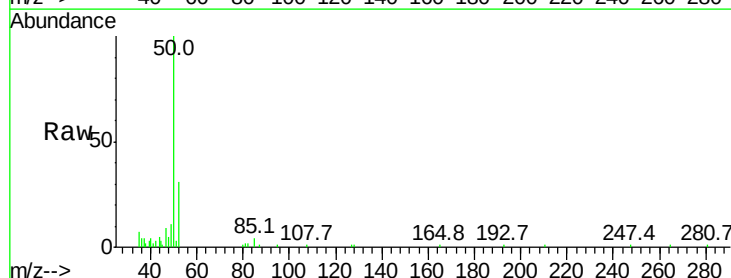
Acq: 14 Jun 2021 14:15

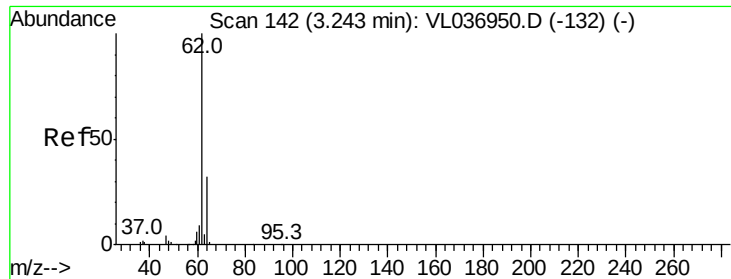
Tgt Ion: 50 Resp: 50884

Ion Ratio Lower Upper

50 100

52 31.3 26.1 39.1





#5

Vinyl Chloride

Concen: 0.459 ppbv

RT: 3.26 min Scan# 148

Delta R.T. 0.02 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

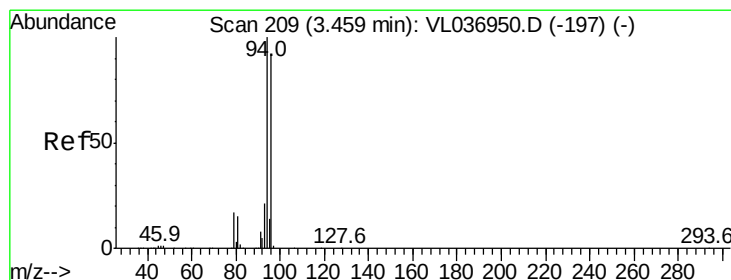
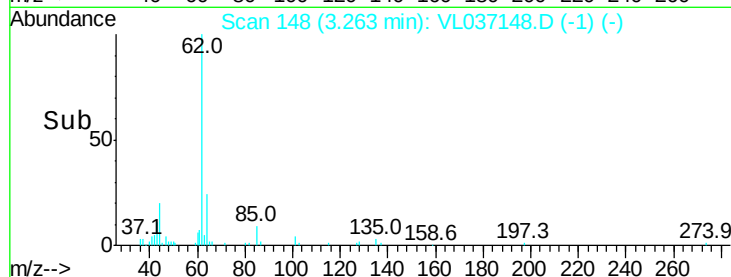
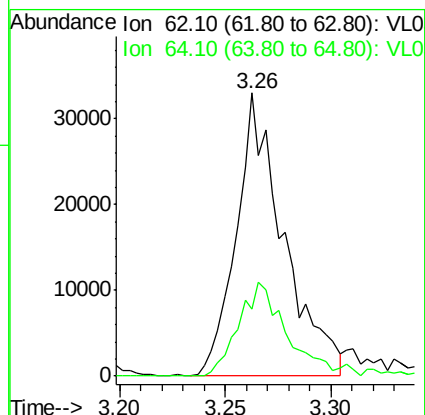
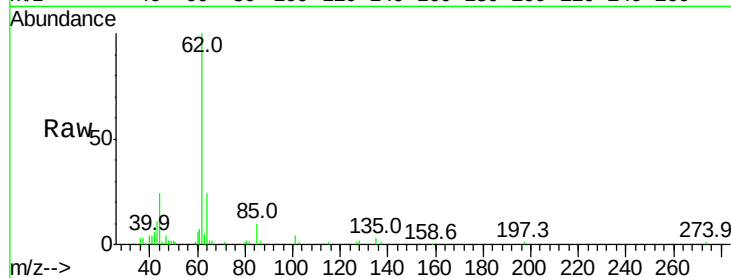
VSTDIC0.5

Tgt Ion: 62 Resp: 51308

Ion Ratio Lower Upper

62 100

64 23.7 25.9 38.9#



#6

Bromomethane

Concen: 0.451 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL037148.D

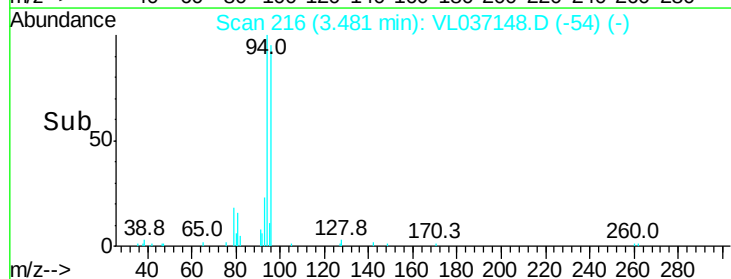
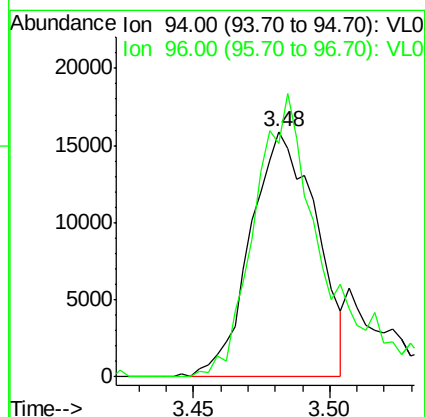
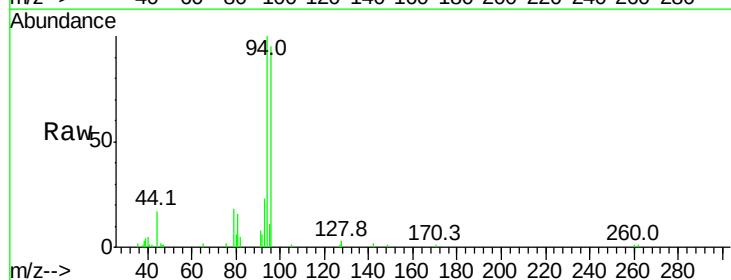
Acq: 14 Jun 2021 14:15

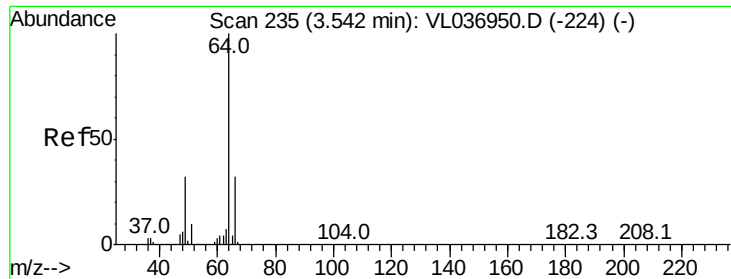
Tgt Ion: 94 Resp: 26596

Ion Ratio Lower Upper

94 100

96 95.2 74.0 111.0





#7

Chloroethane

Concen: 0.501 ppbv

RT: 3.56 min Scan# 242

Delta R.T. 0.02 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

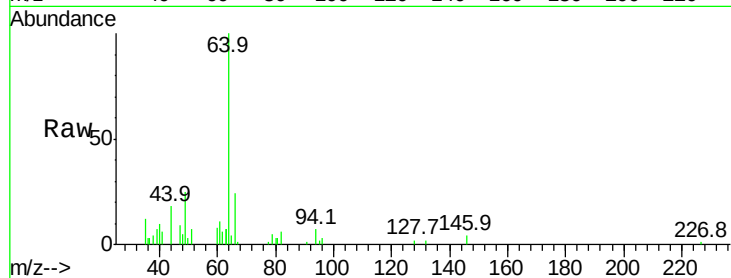
VSTDIC0.5

Tgt Ion: 64 Resp: 18207

Ion Ratio Lower Upper

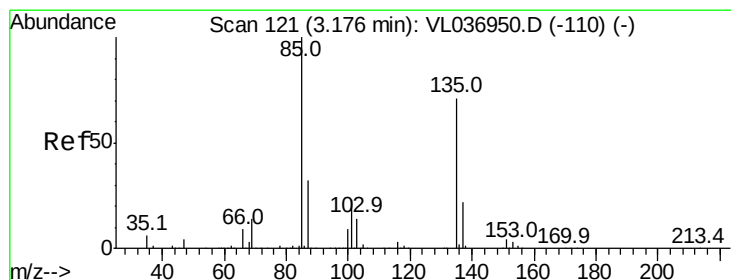
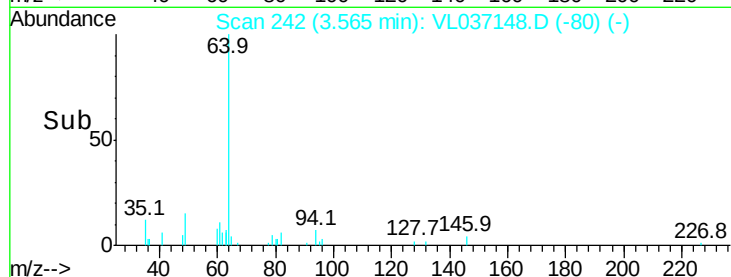
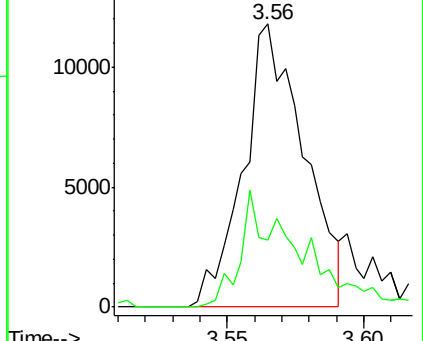
64 100

66 23.5 25.4 38.2#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.551 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.02 min

Lab File: VL037148.D

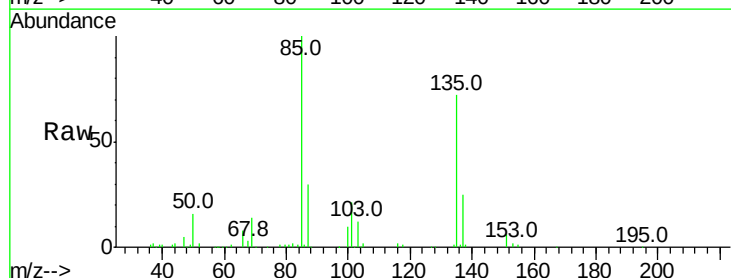
Acq: 14 Jun 2021 14:15

Tgt Ion: 85 Resp: 144112

Ion Ratio Lower Upper

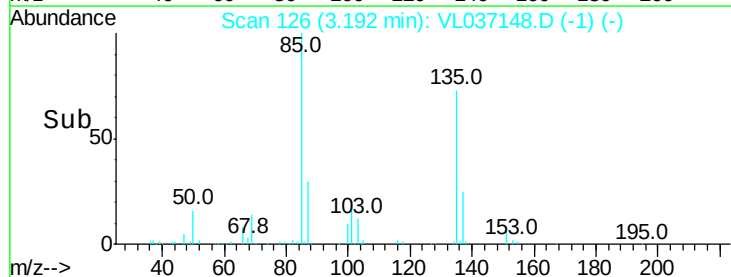
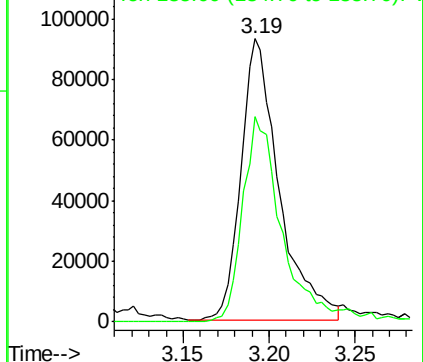
85 100

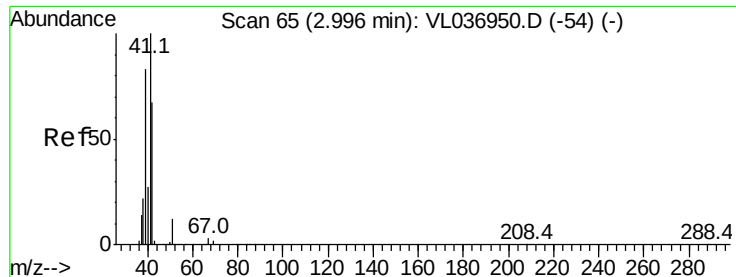
135 77.5 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.489 ppbv

RT: 3.01 min Scan# 71

Delta R.T. 0.02 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

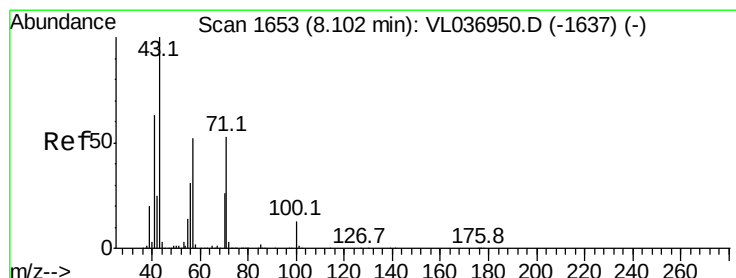
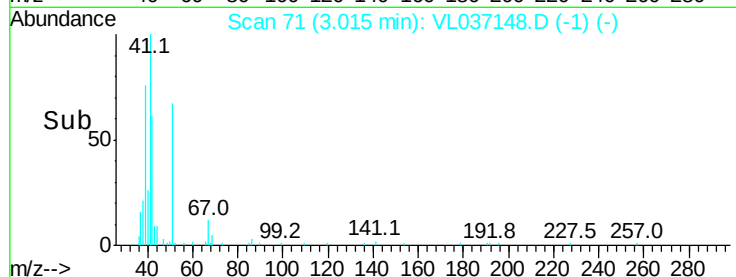
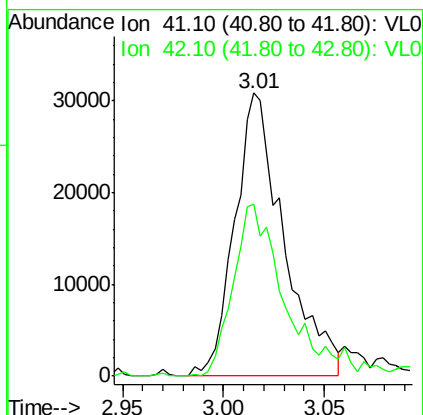
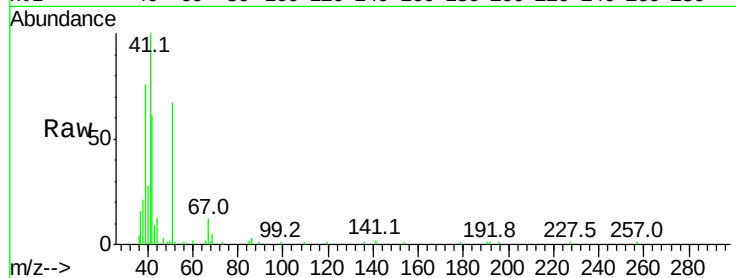
VSTDIC0.5

Tgt Ion: 41 Resp: 52653

Ion Ratio Lower Upper

41 100

42 67.9 53.9 80.9



#10

Heptane

Concen: 0.418 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.03 min

Lab File: VL037148.D

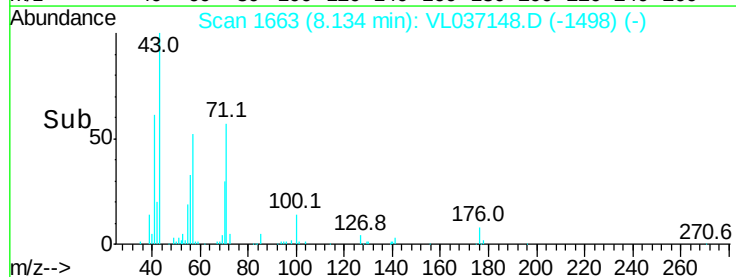
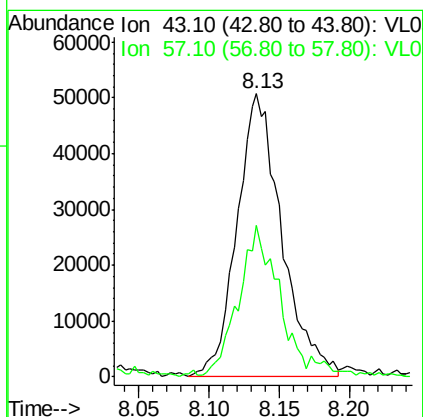
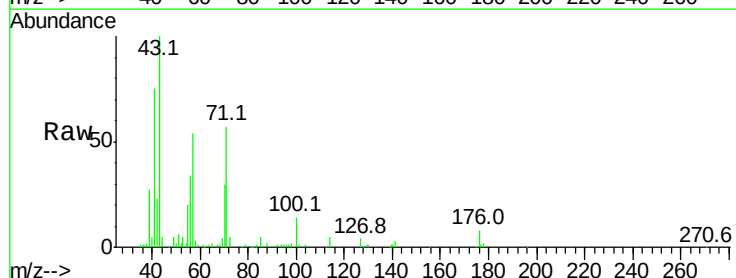
Acq: 14 Jun 2021 14:15

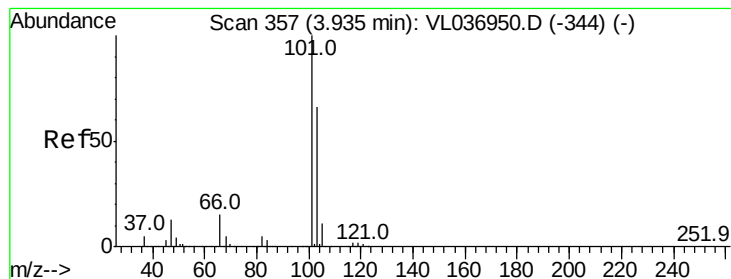
Tgt Ion: 43 Resp: 112251

Ion Ratio Lower Upper

43 100

57 51.8 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.574 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.02 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

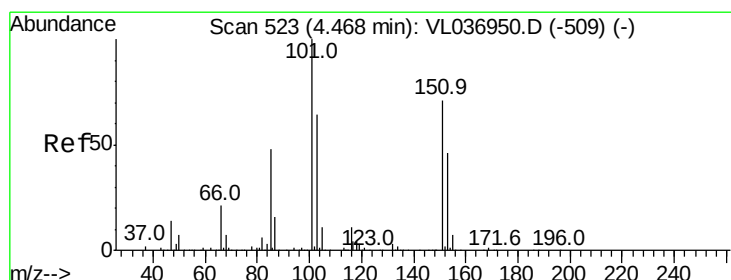
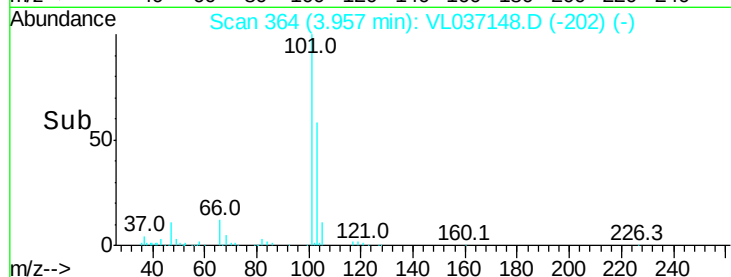
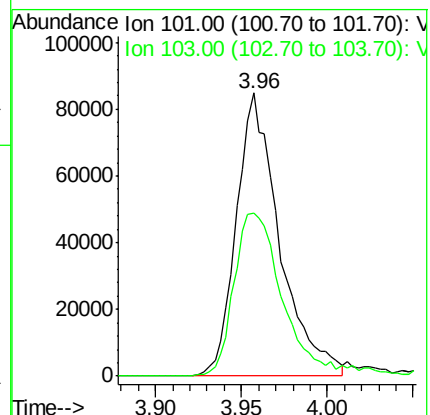
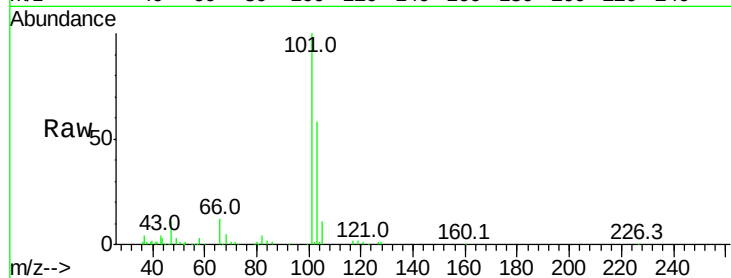
VSTDIC0.5

Tgt Ion:101 Resp: 148054

Ion Ratio Lower Upper

101 100

103 57.7 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.534 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.03 min

Lab File: VL037148.D

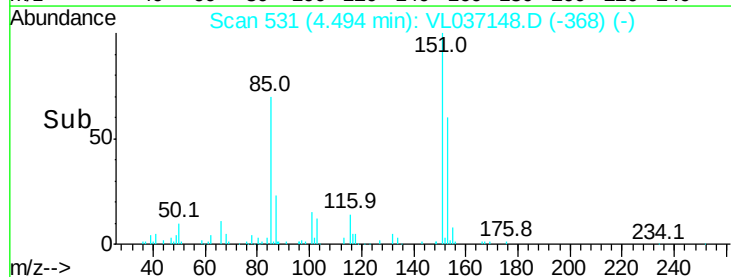
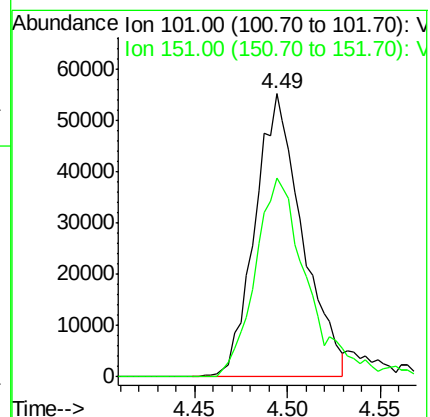
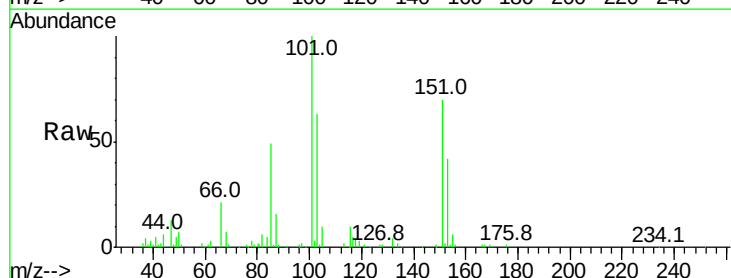
Acq: 14 Jun 2021 14:15

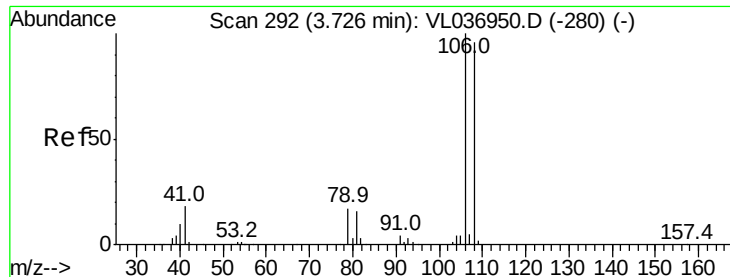
Tgt Ion:101 Resp: 98027

Ion Ratio Lower Upper

101 100

151 79.6 57.7 86.5





#14

Bromoethene

Concen: 0.470 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

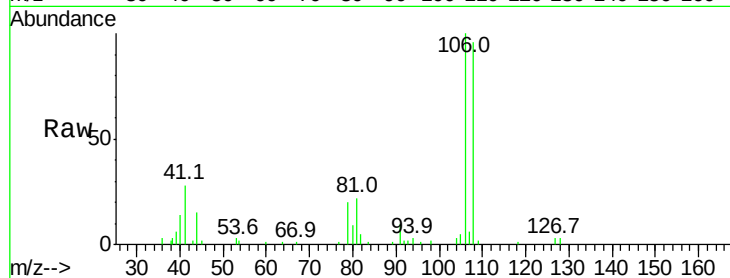
Tgt Ion:108 Resp: 37983

Ion Ratio Lower Upper

108 100

106 121.8 86.5 129.7

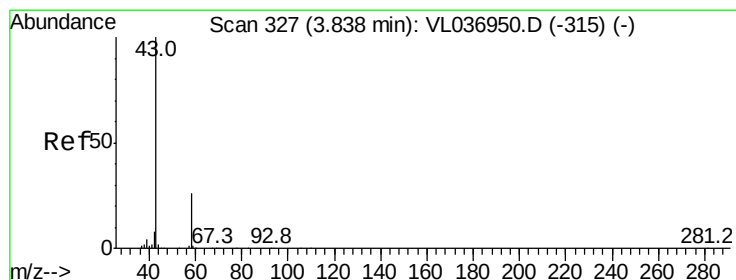
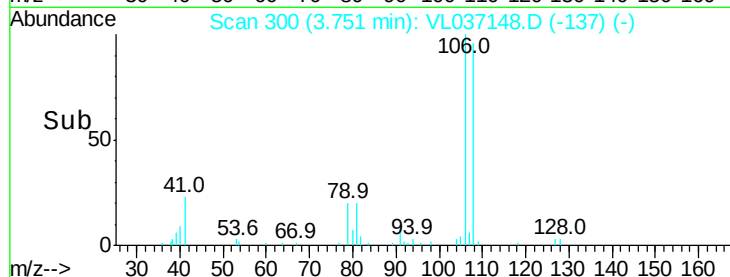
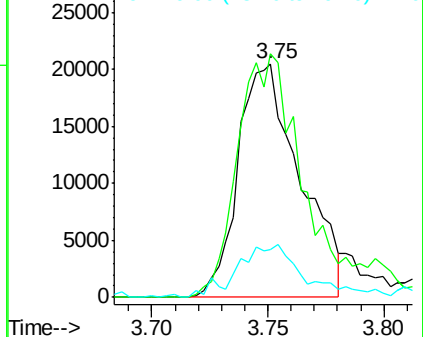
79 24.9 15.0 22.4#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0



#15

Acetone

Concen: 0.584 ppbv

RT: 3.88 min Scan# 341

Delta R.T. 0.04 min

Lab File: VL037148.D

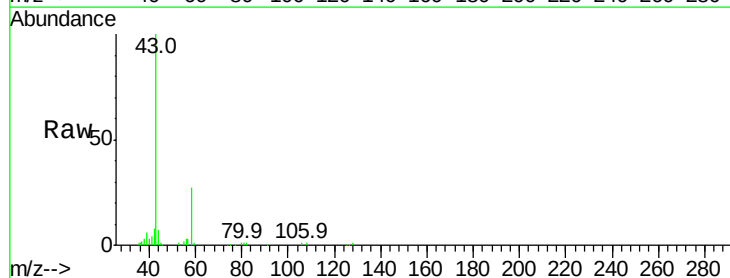
Acq: 14 Jun 2021 14:15

Tgt Ion: 43 Resp: 98212

Ion Ratio Lower Upper

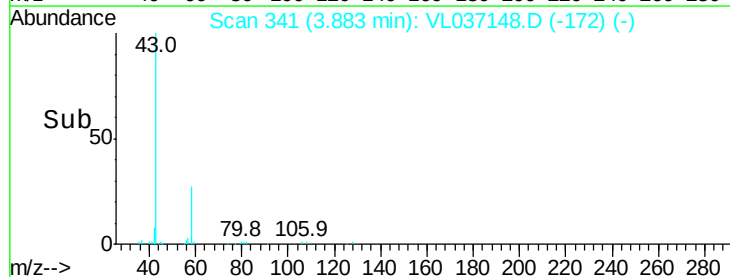
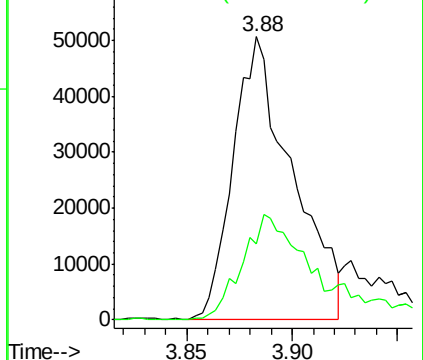
43 100

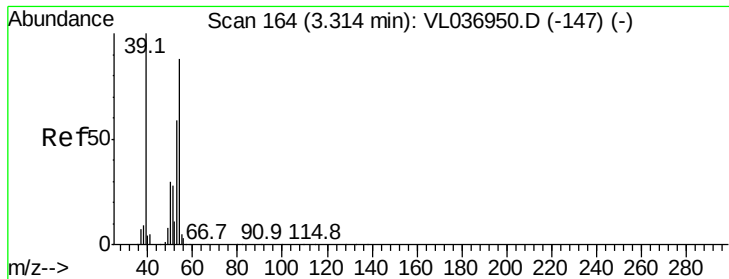
58 50.4 24.0 36.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

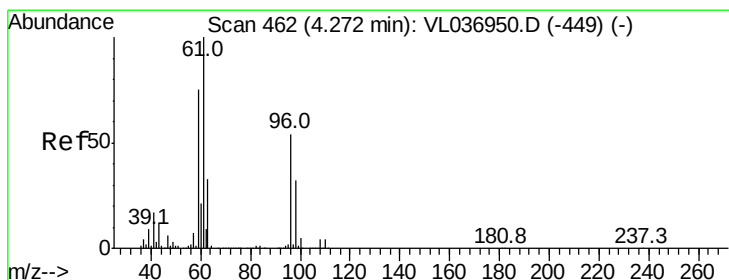
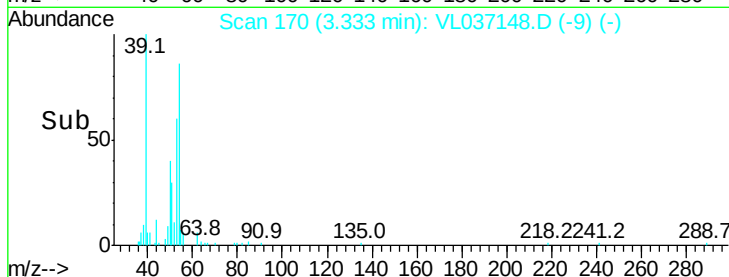
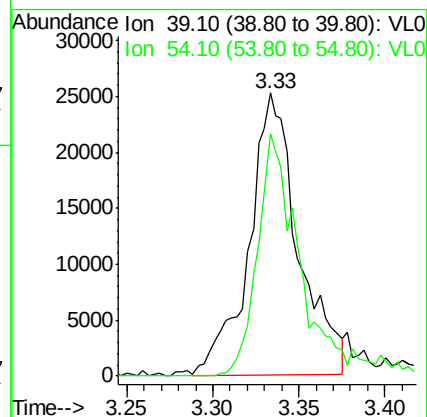
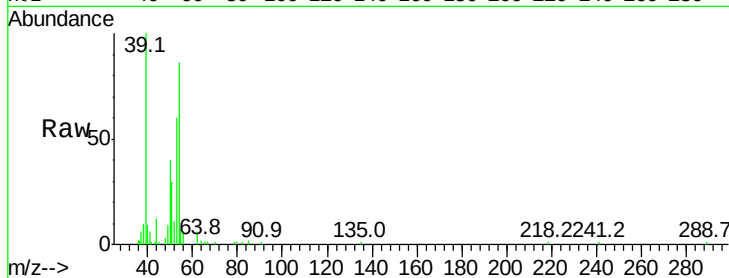




#16
 1,3-Butadiene
 Concen: 0.478 ppbv
 RT: 3.33 min Scan# 170
 Delta R.T. 0.02 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

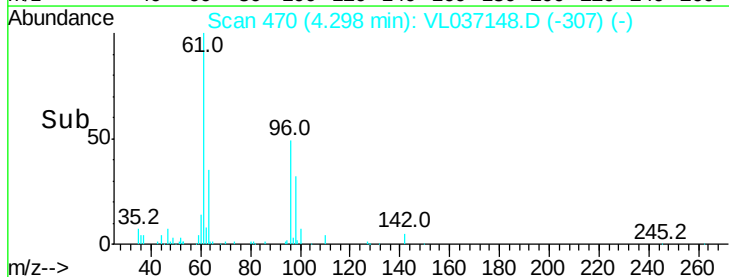
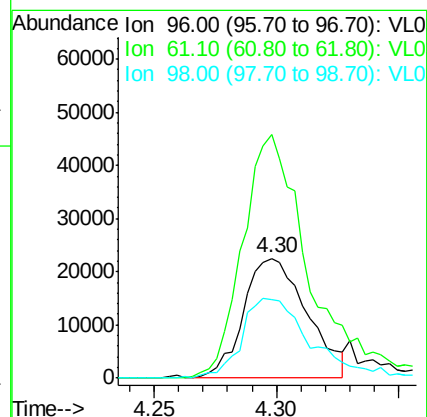
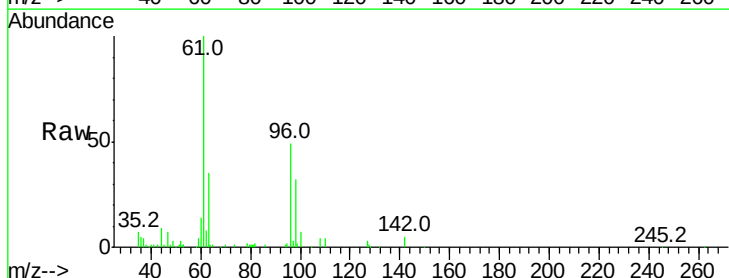
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

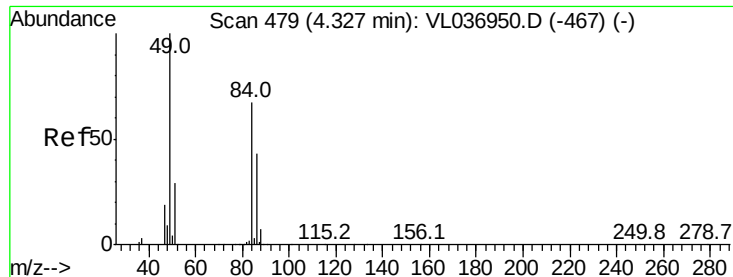
Tgt Ion: 39 Resp: 49970
 Ion Ratio Lower Upper
 39 100
 54 72.7 63.2 94.8



#18
 1,1-Dichloroethene
 Concen: 0.478 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.03 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion: 96 Resp: 40610
 Ion Ratio Lower Upper
 96 100
 61 201.5 148.2 222.4
 98 64.7 47.8 71.6

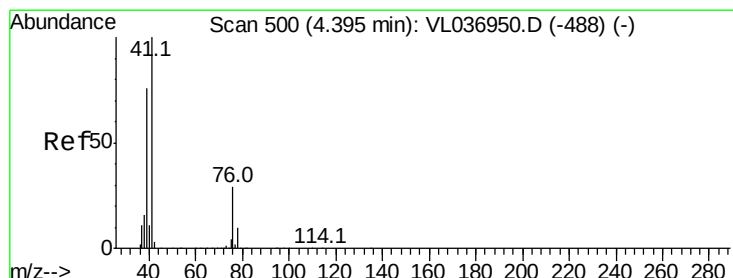
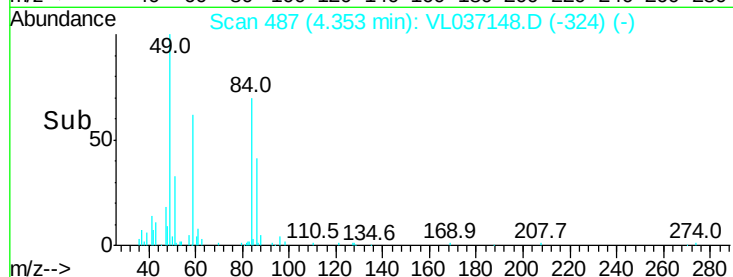
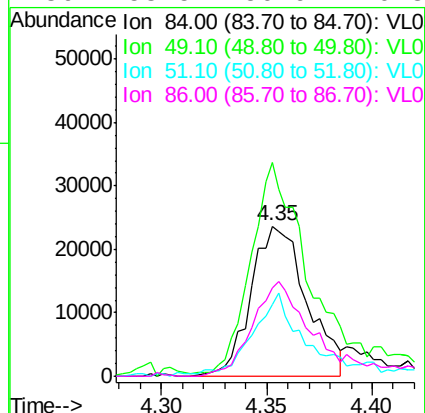
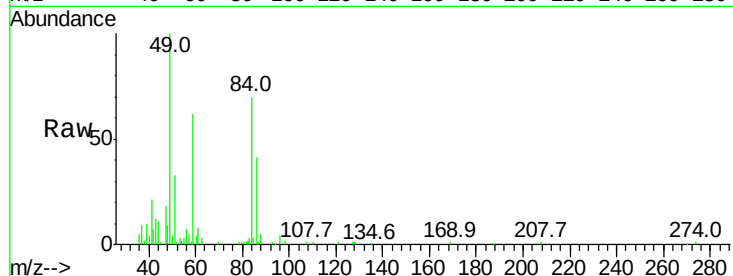




#20
Methylene Chloride
Concen: 0.484 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

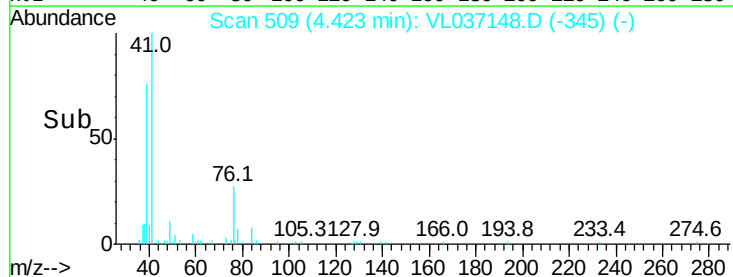
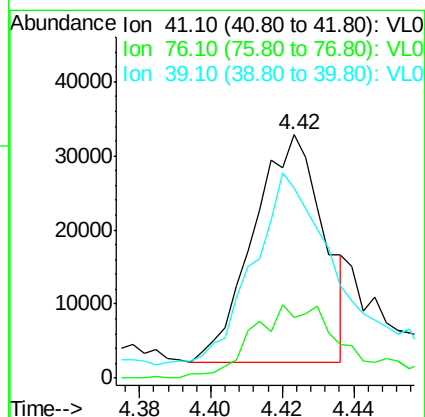
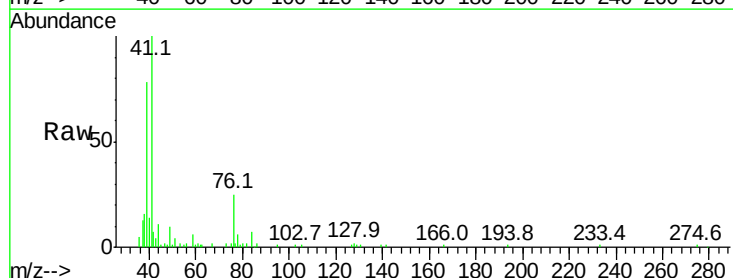
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

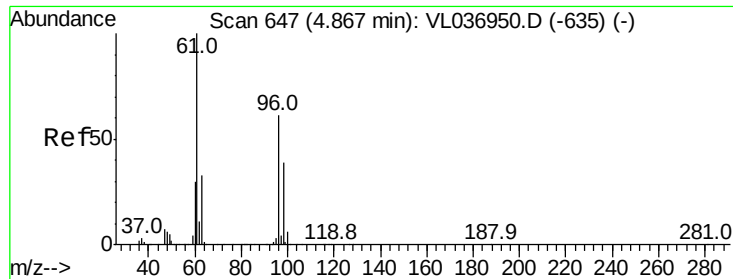
Tgt Ion:	84	Resp:	43575
Ion	Ratio	Lower	Upper
84	100		
49	139.2	119.8	179.6
51	45.5	35.1	52.7
86	58.5	50.9	76.3



#21
Allyl Chloride
Concen: 0.329 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion:	41	Resp:	41694
Ion	Ratio	Lower	Upper
41	100		
76	45.4	24.9	37.3#
39	133.0	63.7	95.5#





#22

trans-1,2-Dichloroethene

Concen: 0.364 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

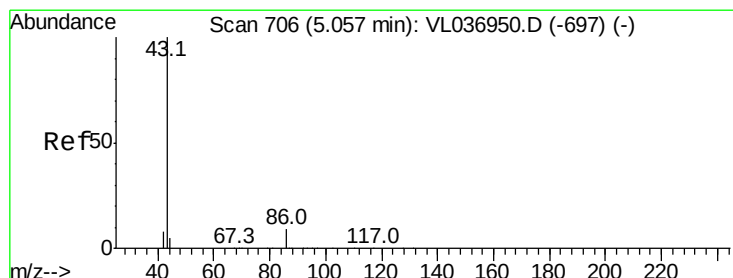
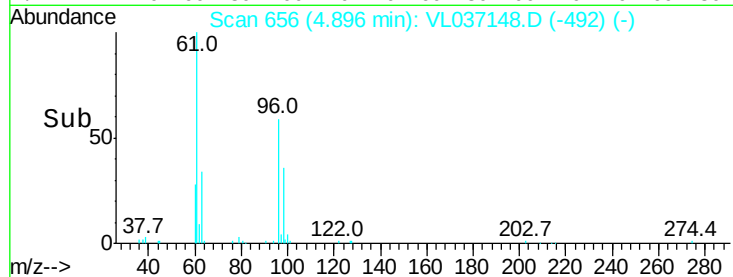
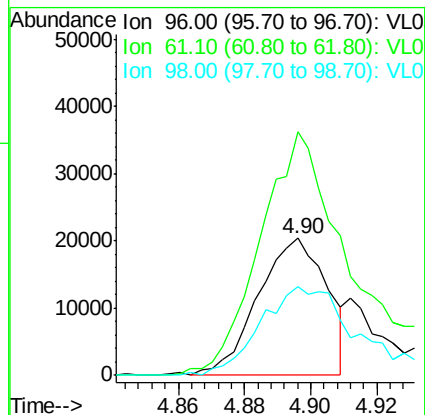
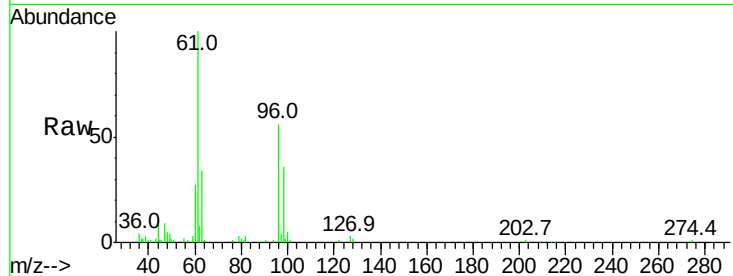
Tgt Ion: 96 Resp: 29578

Ion Ratio Lower Upper

96 100

61 173.0 130.6 196.0

98 66.3 50.8 76.2



#23

Vinyl Acetate

Concen: 0.313 ppbv

RT: 5.10 min Scan# 718

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion: 43 Resp: 83508

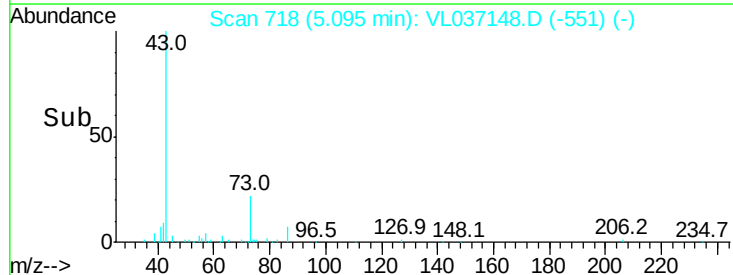
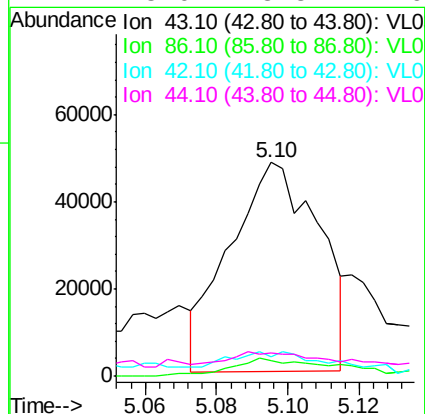
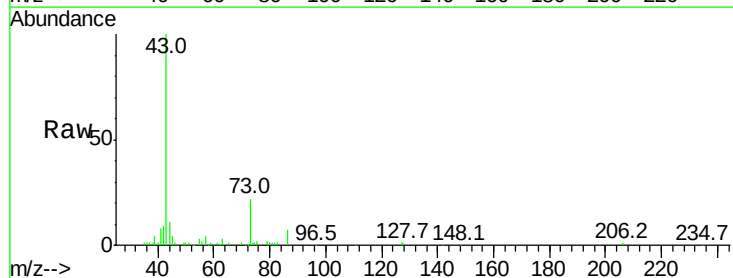
Ion Ratio Lower Upper

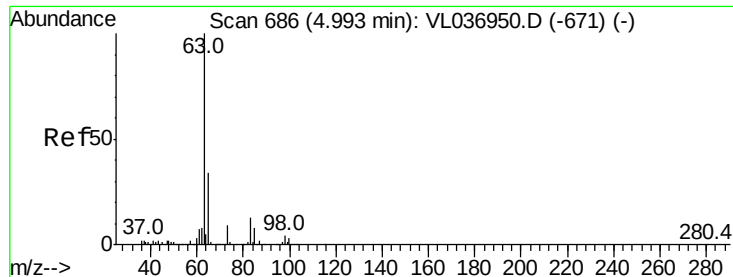
43 100

86 8.3 5.8 8.8

42 6.7 7.4 11.2#

44 8.0 3.3 4.9#





#24

1,1-Dichloroethane

Concen: 0.503 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

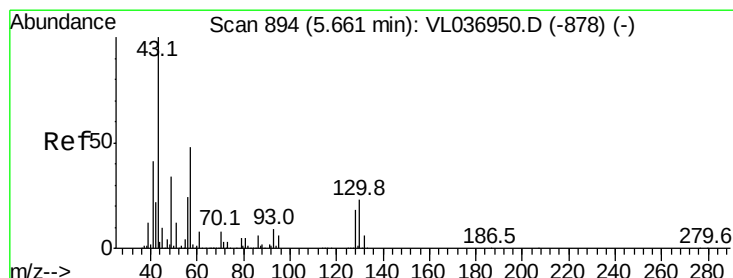
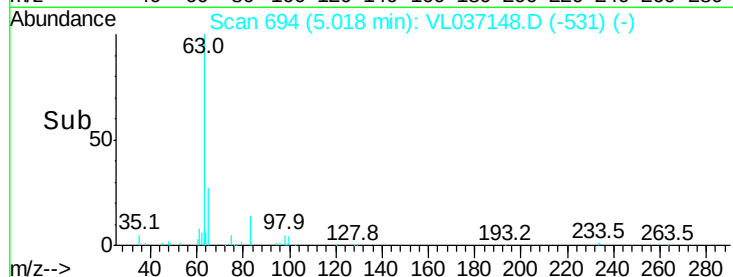
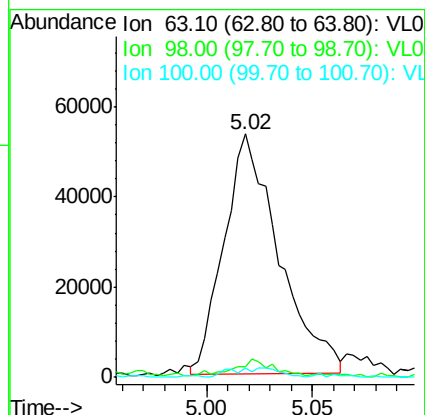
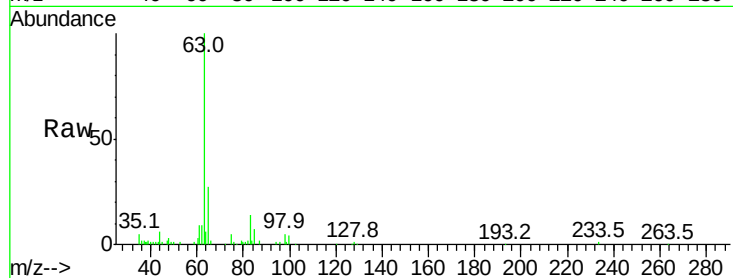
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	63	Resp:	96559
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.3	6.9
100	3.3	1.4	4.0



#25

Ethyl Acetate

Concen: 0.404 ppbv

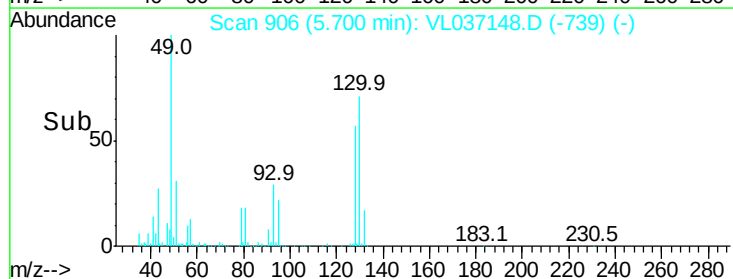
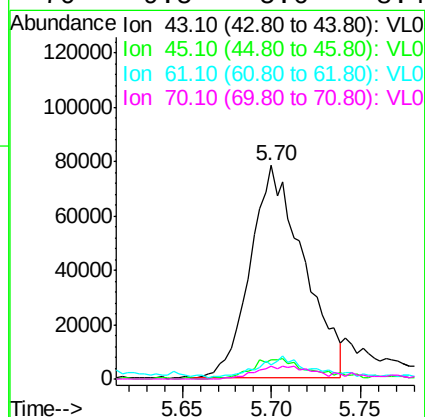
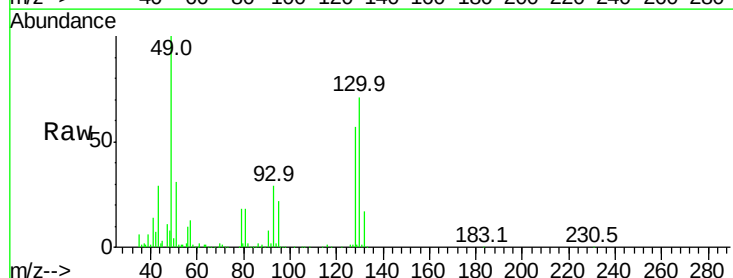
RT: 5.70 min Scan# 906

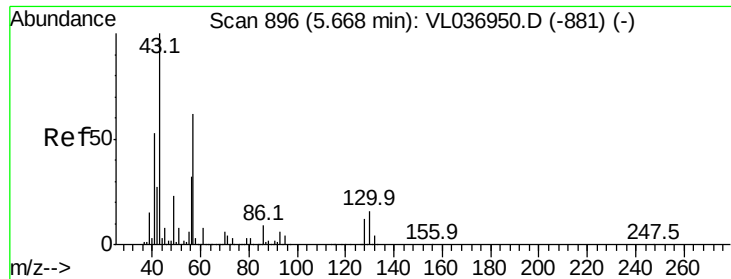
Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion:	43	Resp:	163393
Ion	Ratio	Lower	Upper
43	100		
45	11.5	7.8	11.8
61	10.6	7.8	11.8
70	9.5	5.6	8.4#





#26

Hexane

Concen: 0.247 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 57 Resp: 50946

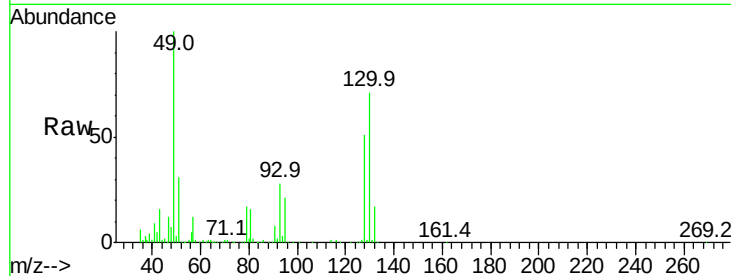
Ion Ratio Lower Upper

57 100

41 0.0 70.5 105.7#

43 0.0 165.8 248.8#

56 0.0 42.2 63.4#

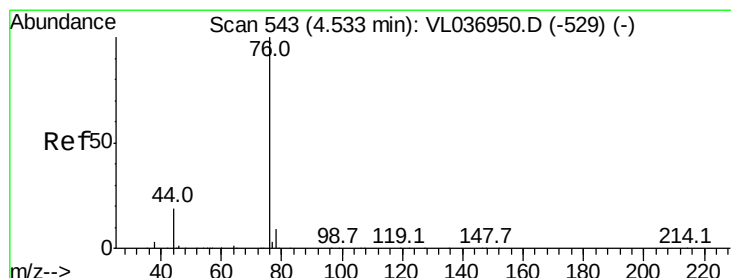
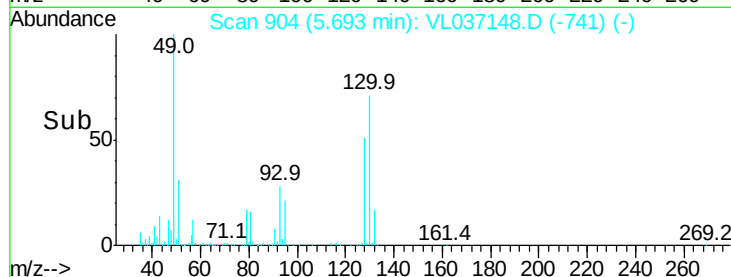
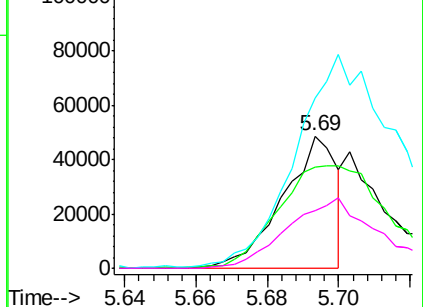


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.336 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

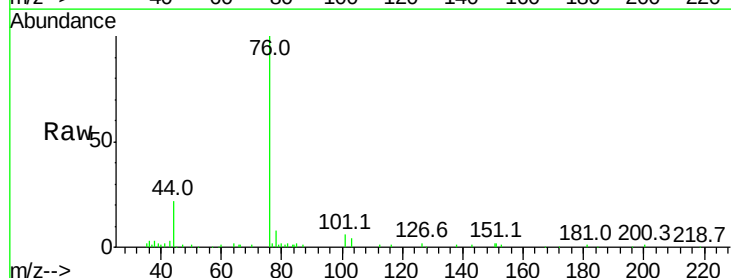
Tgt Ion: 76 Resp: 69855

Ion Ratio Lower Upper

76 100

44 26.6 15.5 23.3#

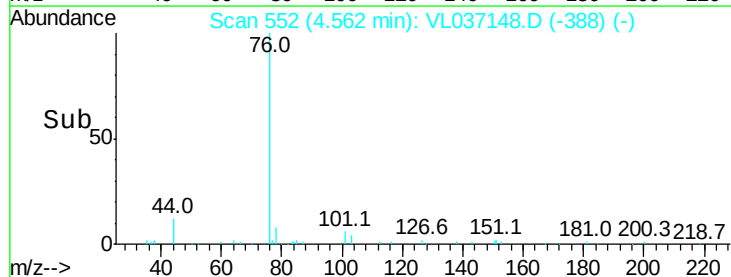
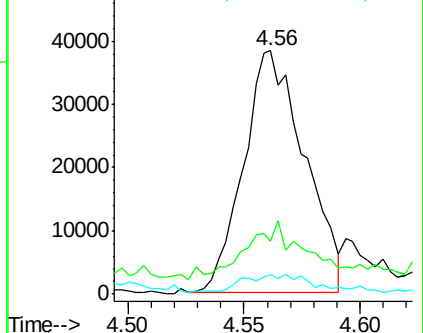
78 11.5 7.8 11.6

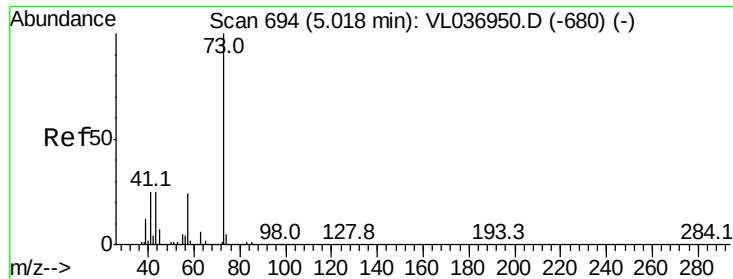


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#28

Methyl tert-Butyl Ether

Concen: 0.455 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

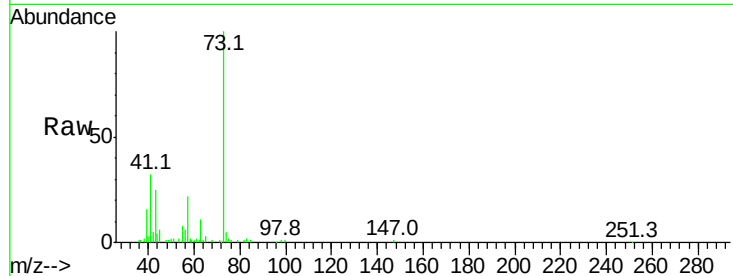
VSTDIC0.5

Tgt Ion: 73 Resp: 112452

Ion Ratio Lower Upper

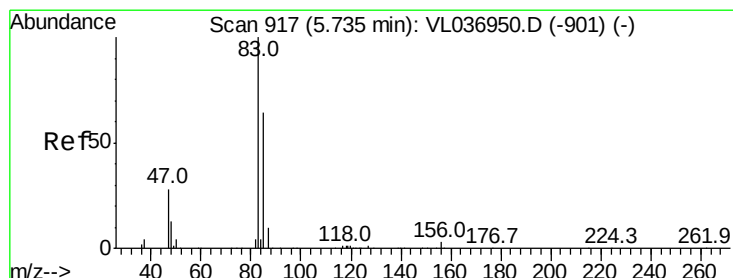
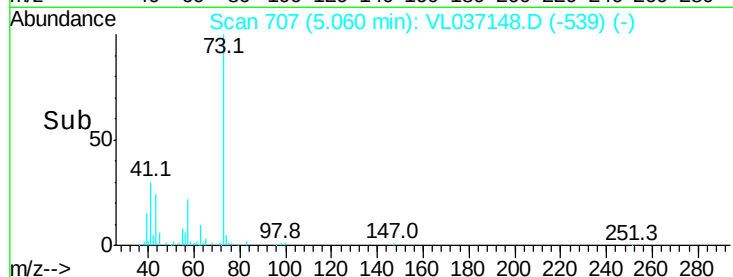
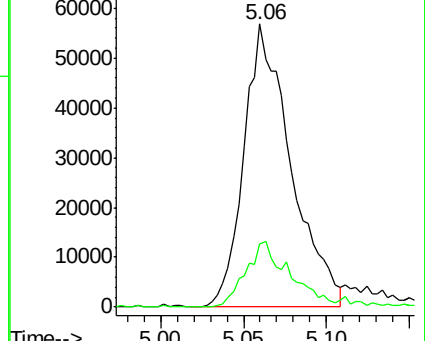
73 100

57 23.2 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#29

Chloroform

Concen: 0.522 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.03 min

Lab File: VL037148.D

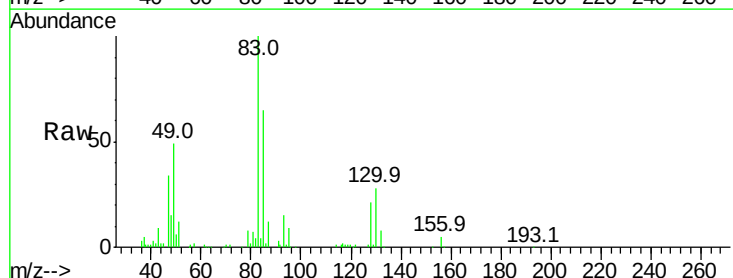
Acq: 14 Jun 2021 14:15

Tgt Ion: 83 Resp: 152247

Ion Ratio Lower Upper

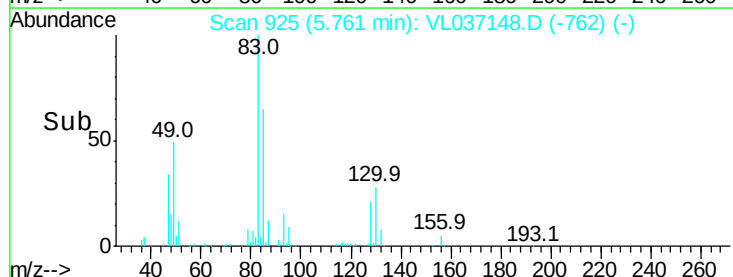
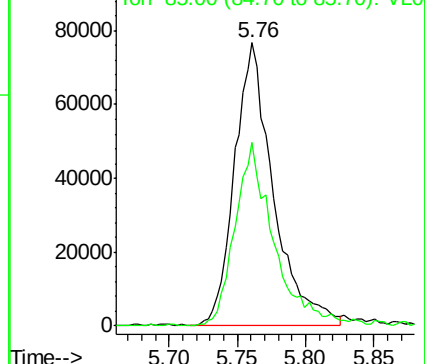
83 100

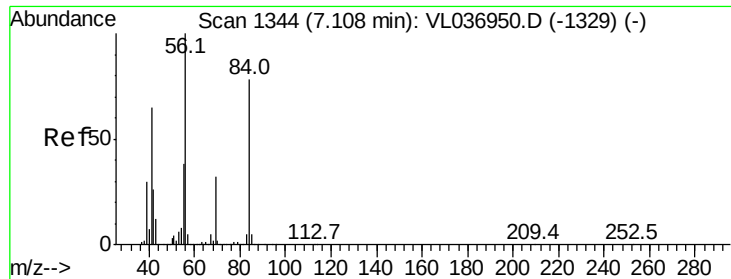
85 64.5 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

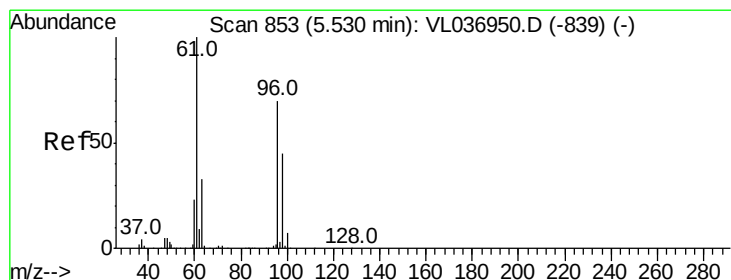
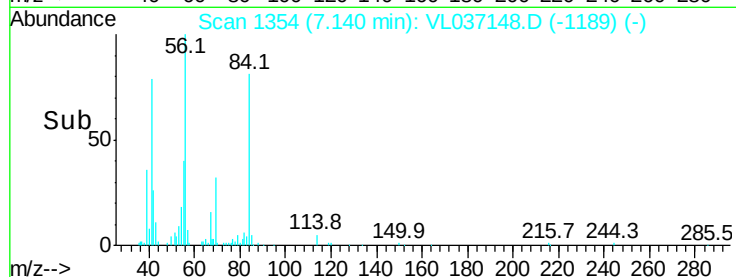
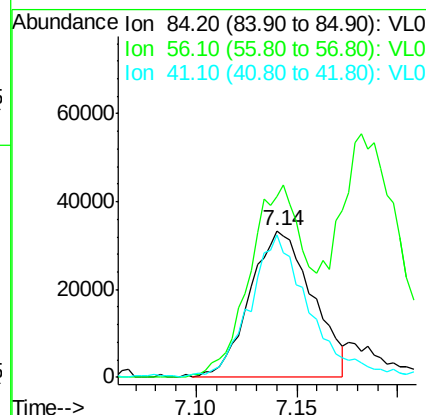
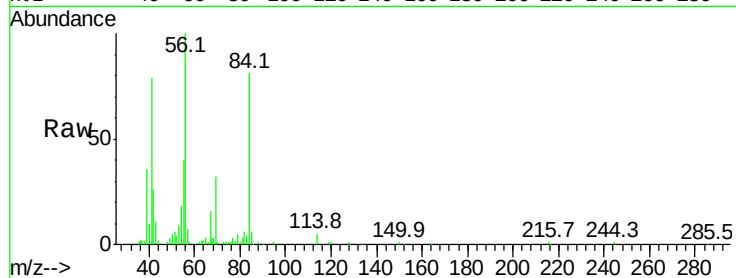




#30
Cyclohexane
Concen: 0.405 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

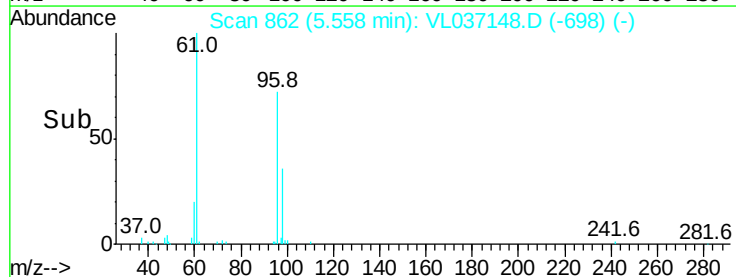
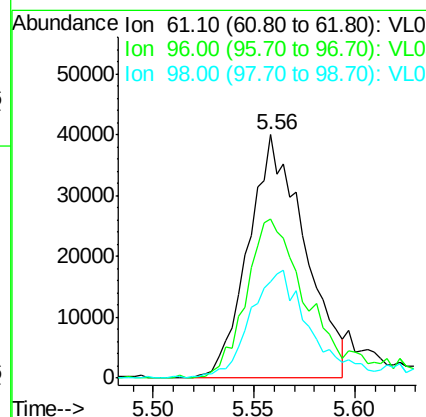
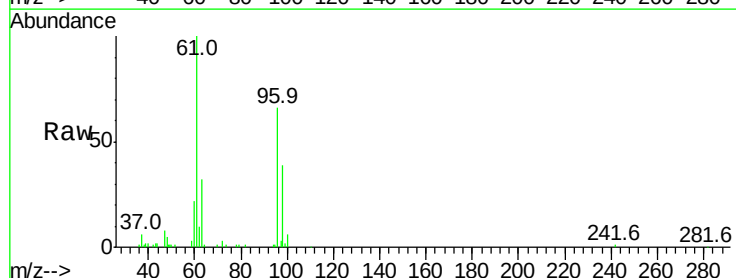
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

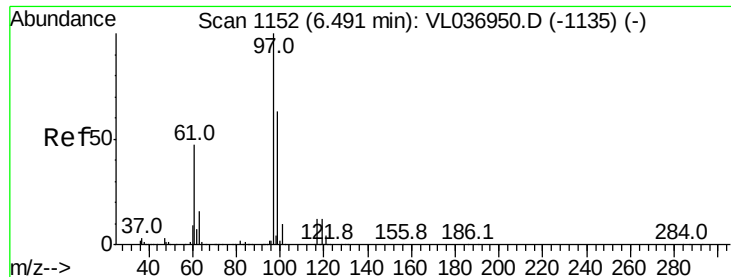
Tgt Ion: 84 Resp: 71019
Ion Ratio Lower Upper
84 100
56 125.2 107.9 161.9
41 96.7 65.5 98.3



#31
cis-1,2-Dichloroethene
Concen: 0.422 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.03 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion: 61 Resp: 78048
Ion Ratio Lower Upper
61 100
96 65.6 55.9 83.9
98 38.9 35.6 53.4





#32

1,1,1-Trichloroethane

Concen: 0.449 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

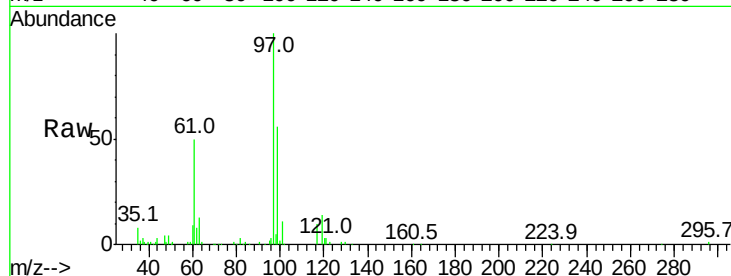
Tgt Ion: 97 Resp: 140581

Ion Ratio Lower Upper

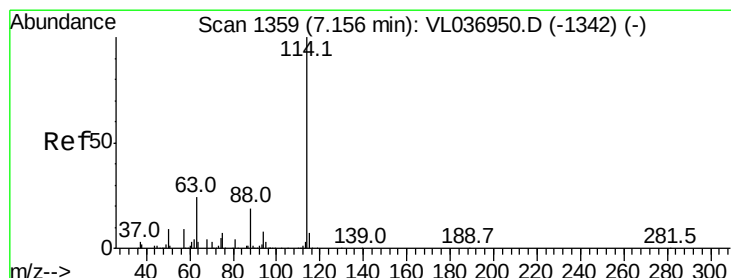
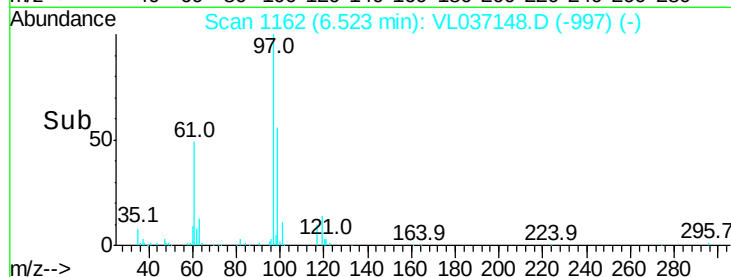
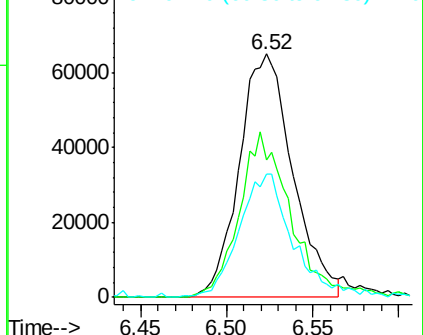
97 100

99 66.6 51.9 77.9

61 51.6 37.6 56.4



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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

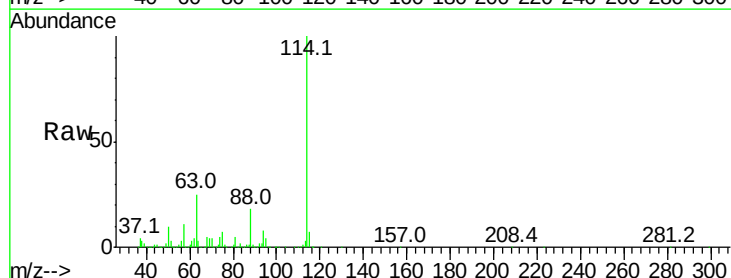
Tgt Ion: 114 Resp: 4770288

Ion Ratio Lower Upper

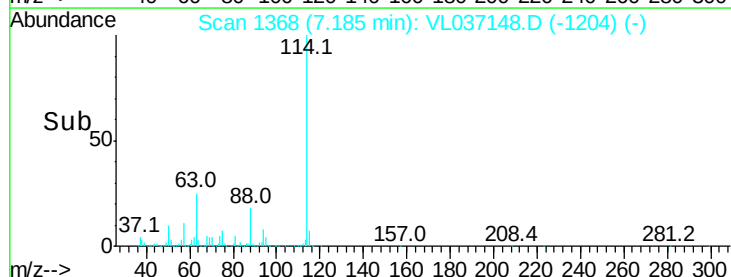
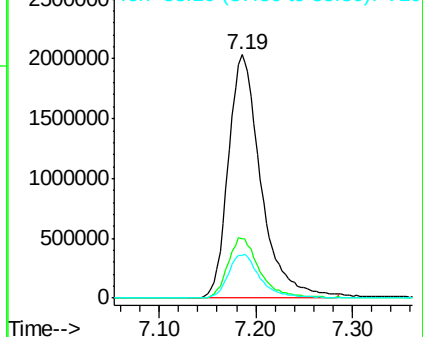
114 100

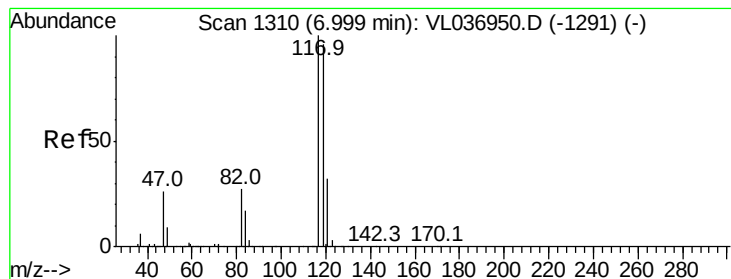
63 24.4 19.6 29.4

88 18.0 14.6 21.8



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





#35

Carbon Tetrachloride

Concen: 0.466 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

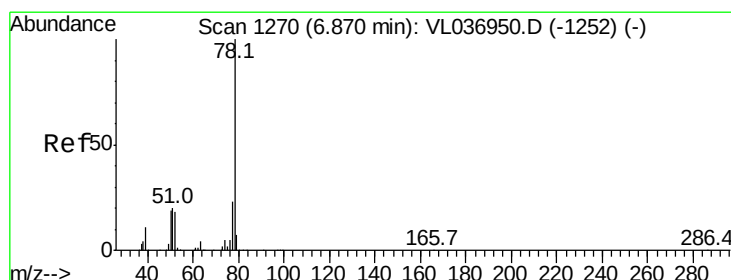
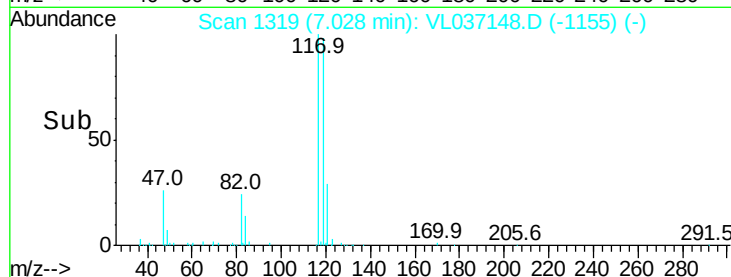
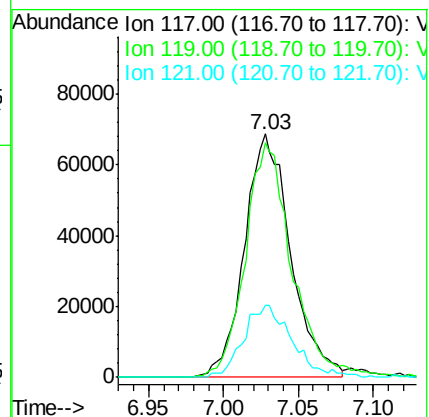
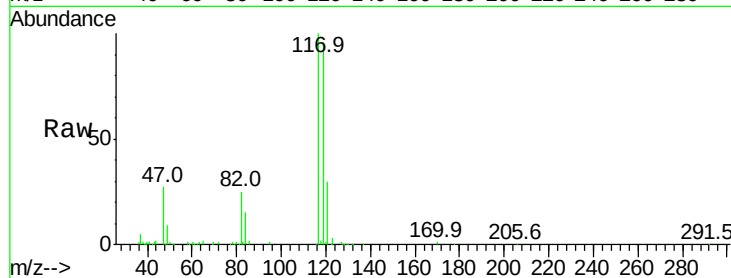
Tgt Ion:117 Resp: 147656

Ion Ratio Lower Upper

117 100

119 96.1 76.6 114.8

121 29.6 25.8 38.6



#36

Benzene

Concen: 0.442 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

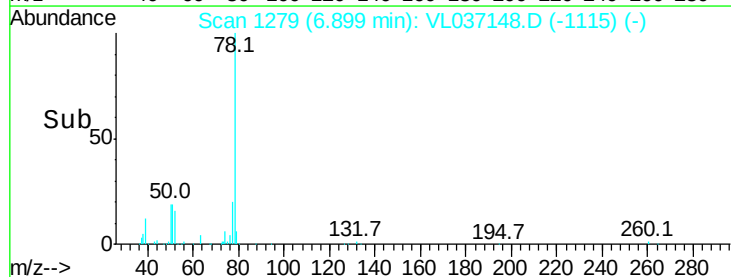
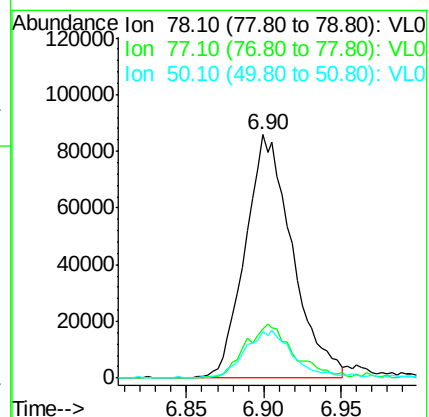
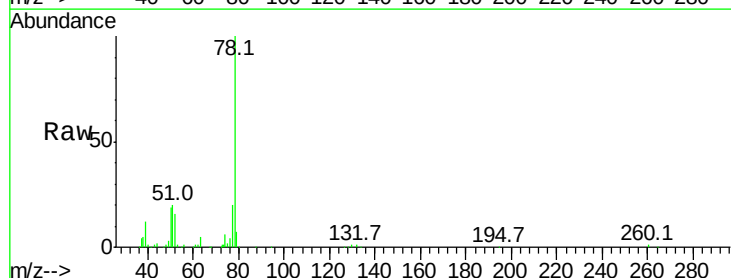
Tgt Ion: 78 Resp: 181636

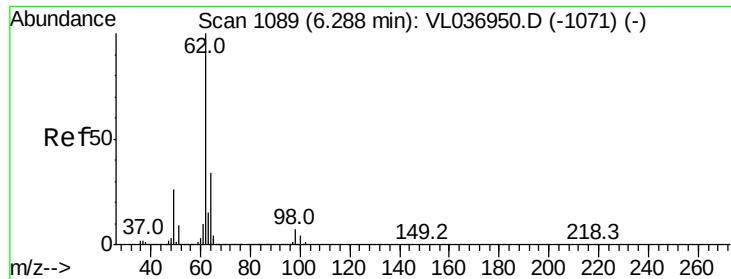
Ion Ratio Lower Upper

78 100

77 19.9 18.6 28.0

50 19.1 15.0 22.4

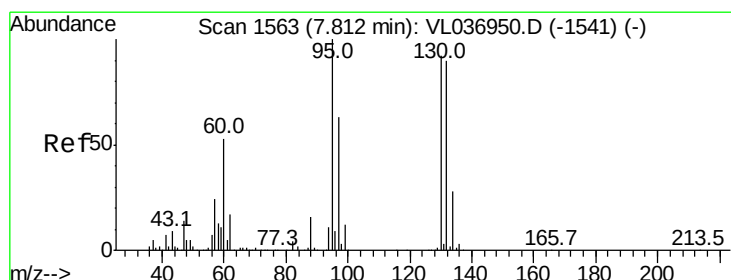
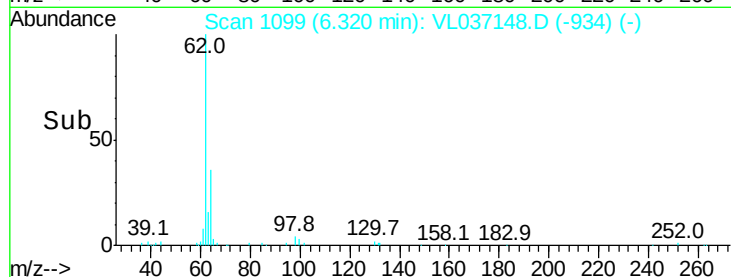
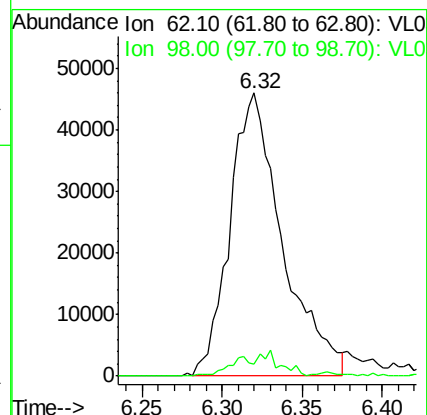
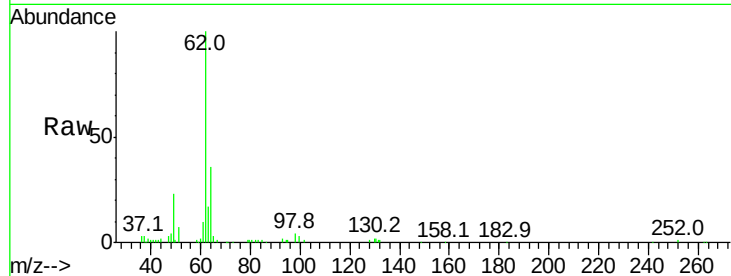




#37
 1,2-Dichloroethane
 Concen: 0.508 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.03 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

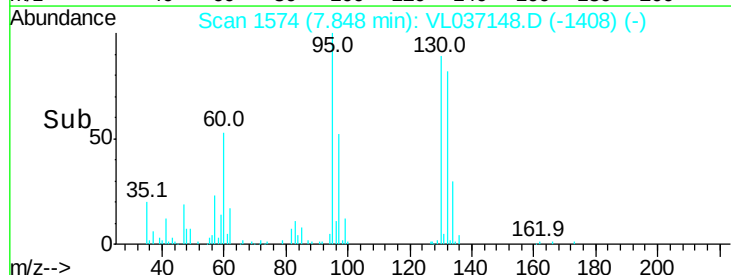
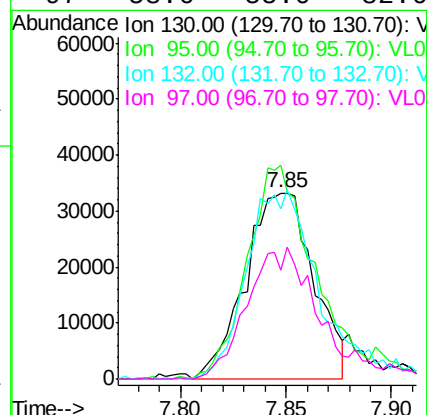
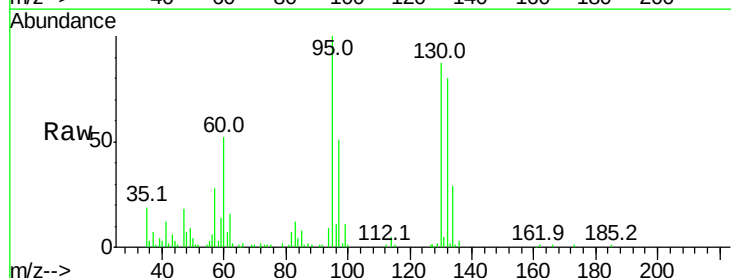
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

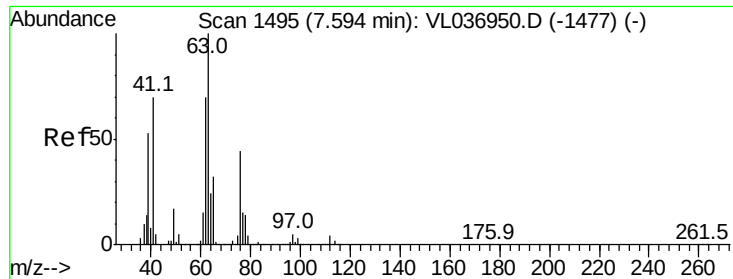
Tgt Ion: 62 Resp: 103588
 Ion Ratio Lower Upper
 62 100
 98 7.3 5.5 8.3



#38
 Trichloroethene
 Concen: 0.426 ppbv
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion: 130 Resp: 74864
 Ion Ratio Lower Upper
 130 100
 95 114.8 86.9 130.3
 132 91.0 78.4 117.6
 97 58.6 55.0 82.6





#39

1,2-Dichloropropane

Concen: 0.433 ppbv

RT: 7.63 min Scan# 1505

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

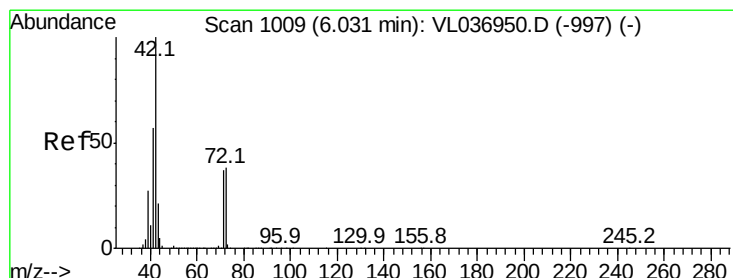
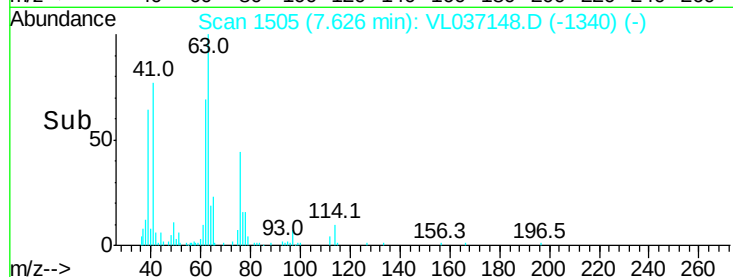
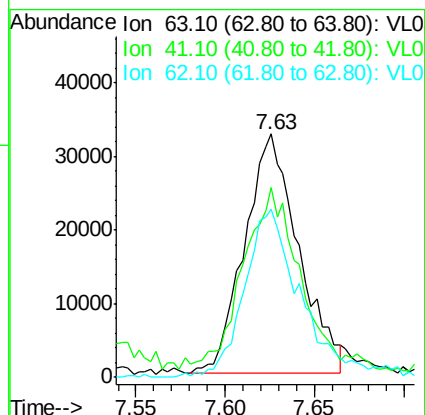
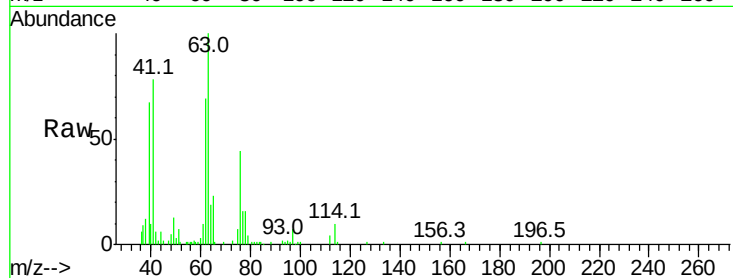
Tgt Ion: 63 Resp: 68487

Ion Ratio Lower Upper

63 100

41 73.5 55.7 83.5

62 67.5 56.2 84.4



#41

Tetrahydrofuran

Concen: 0.307 ppbv

RT: 6.10 min Scan# 1029

Delta R.T. 0.06 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

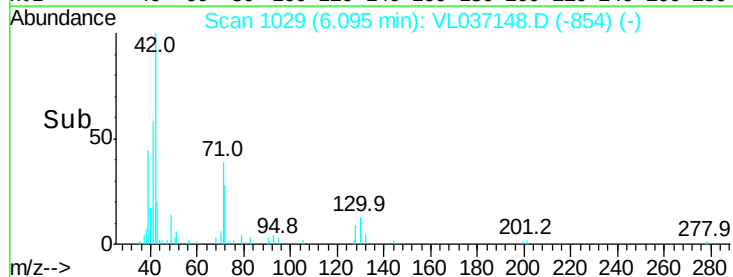
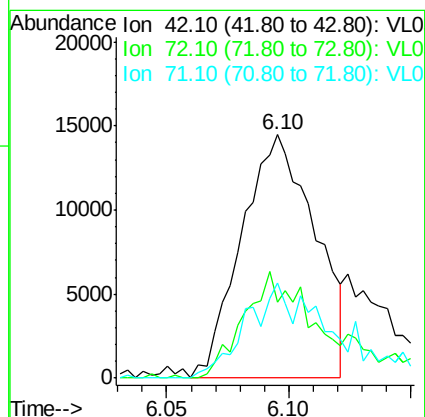
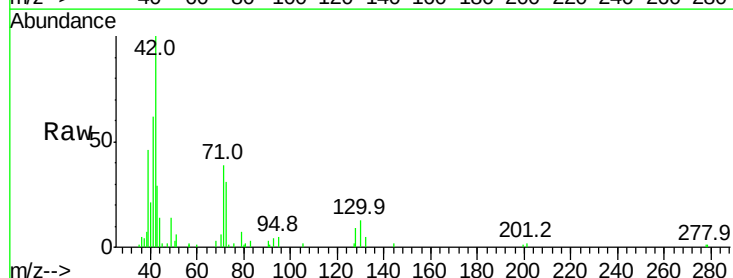
Tgt Ion: 42 Resp: 30387

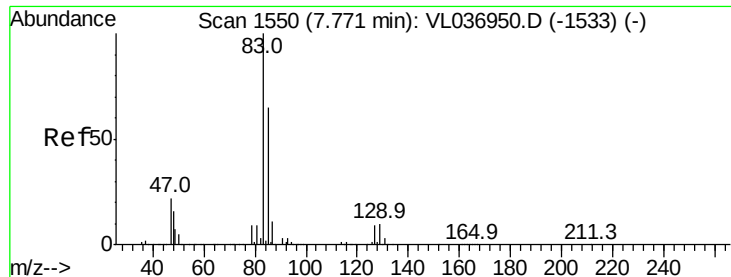
Ion Ratio Lower Upper

42 100

72 53.7 31.4 47.2#

71 49.0 30.4 45.6#





#42

Bromodichloromethane

Concen: 0.427 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

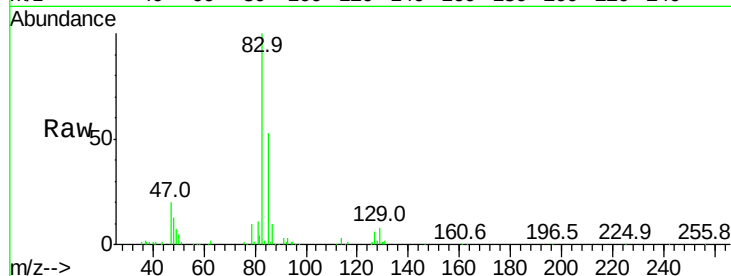
Tgt Ion: 83 Resp: 131586

Ion Ratio Lower Upper

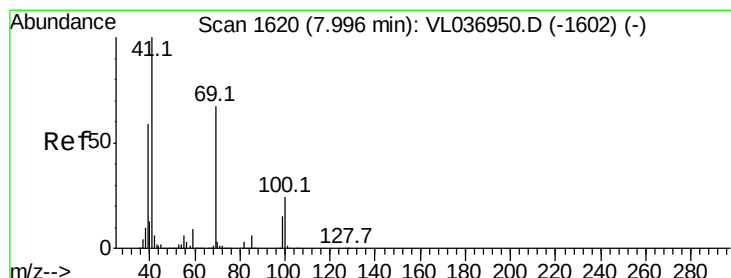
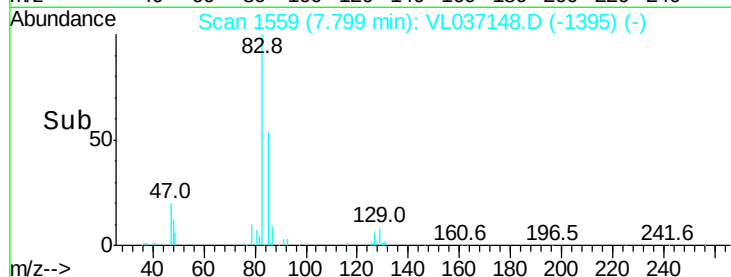
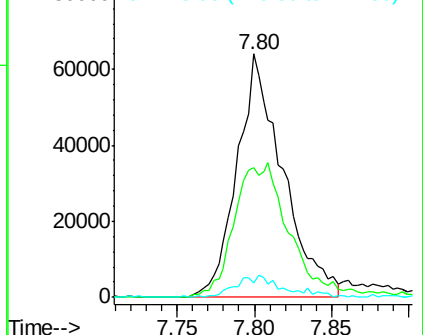
83 100

85 53.2 51.7 77.5

127 5.7 6.9 10.3#



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): VL0



#43

Methyl Methacrylate

Concen: 0.375 ppbv

RT: 8.04 min Scan# 1633

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

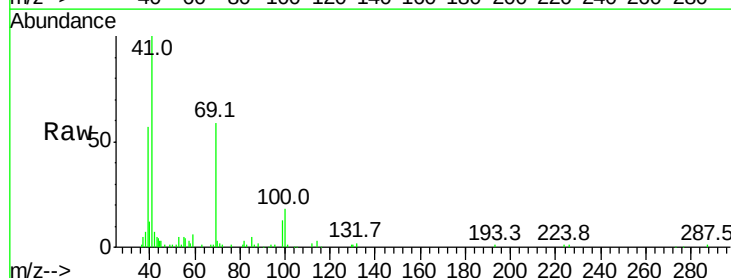
Tgt Ion: 69 Resp: 53169

Ion Ratio Lower Upper

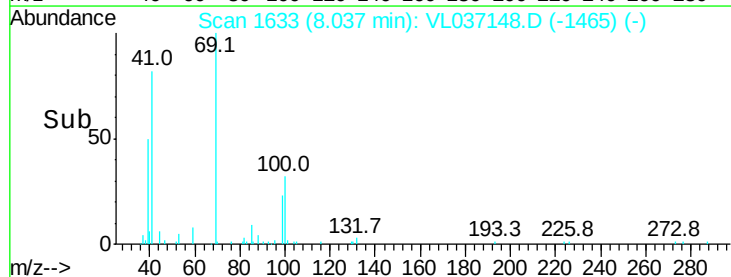
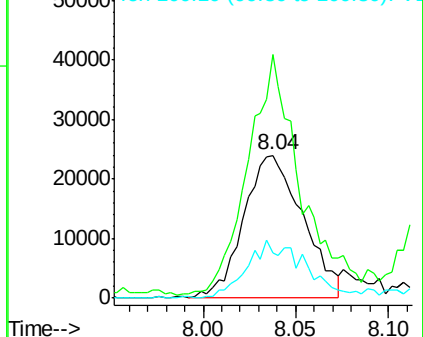
69 100

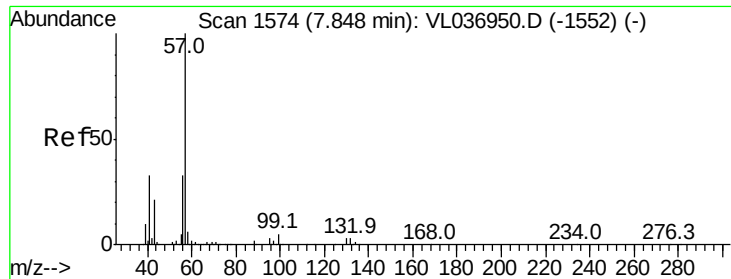
41 150.1 118.6 178.0

100 41.0 28.2 42.4



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.442 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

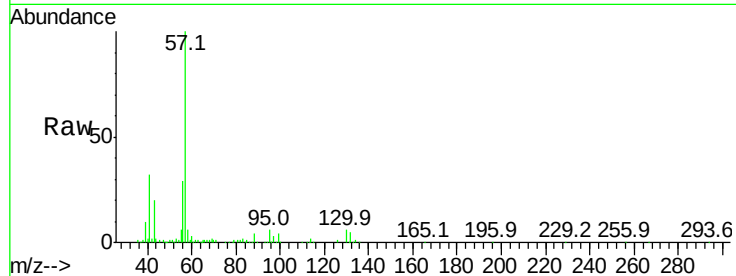
Tgt Ion: 57 Resp: 311421

Ion Ratio Lower Upper

57 100

41 37.8 27.0 40.4

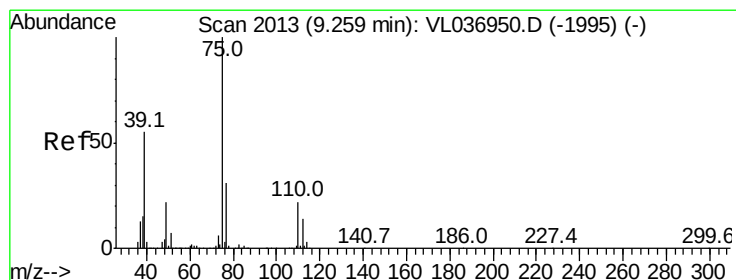
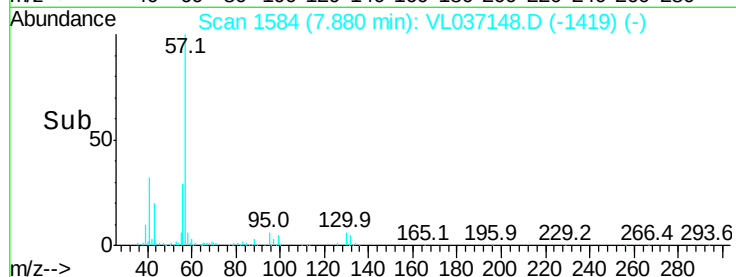
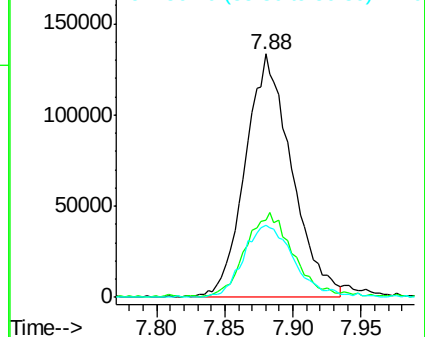
56 33.0 25.4 38.2



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#45

t-1,3-Dichloropropene

Concen: 0.209 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. 0.03 min

Lab File: VL037148.D

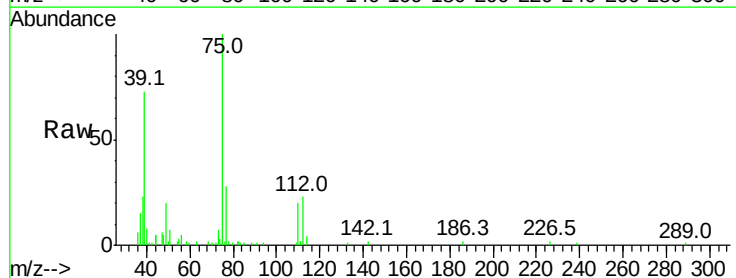
Acq: 14 Jun 2021 14:15

Tgt Ion: 75 Resp: 22563

Ion Ratio Lower Upper

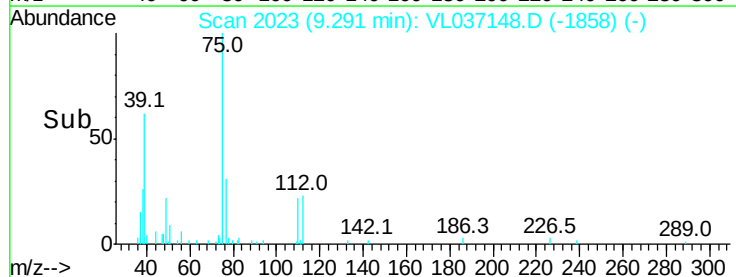
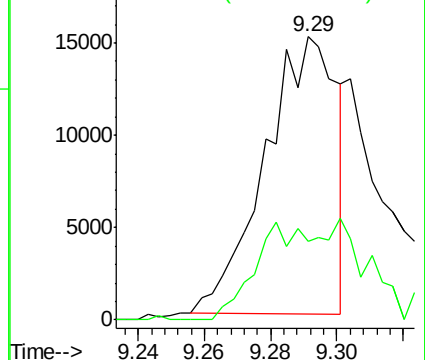
75 100

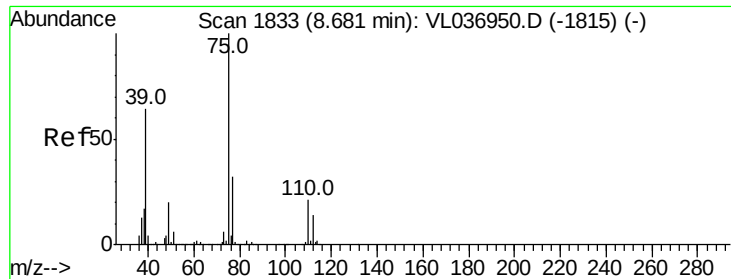
77 29.5 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#46

cis-1,3-Dichloropropene

Concen: 0.414 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.03 min

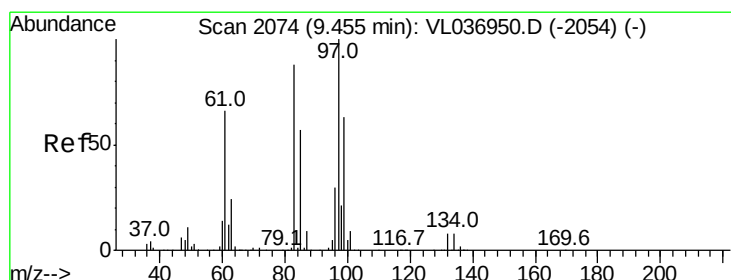
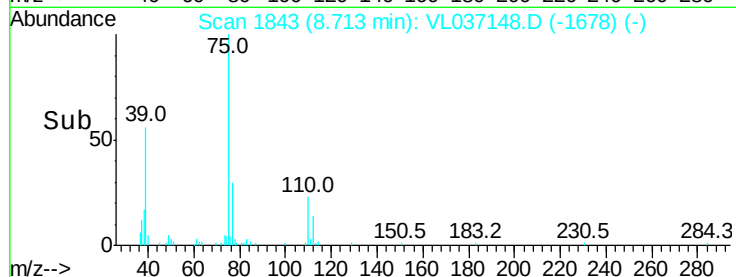
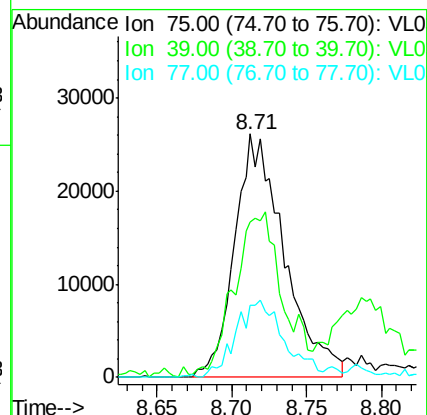
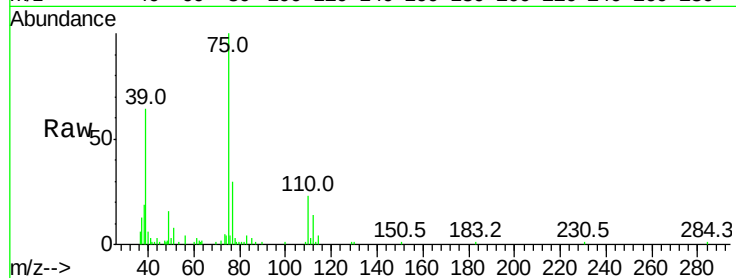
Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 75 Resp: 60295

Ion	Ratio	Lower	Upper
75	100		
39	62.4	51.5	77.3
77	28.4	25.9	38.9



#47

1,1,2-Trichloroethane

Concen: 0.456 ppbv

RT: 9.49 min Scan# 2084

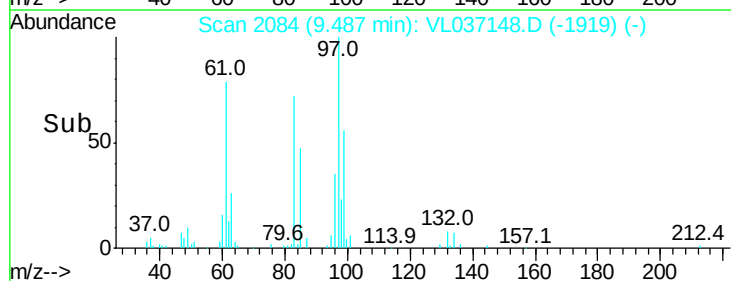
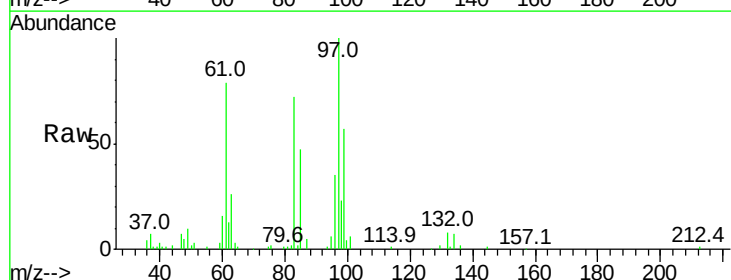
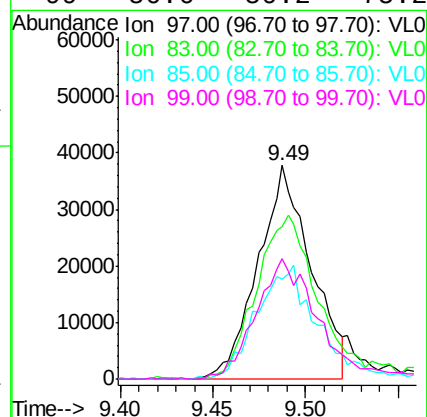
Delta R.T. 0.03 min

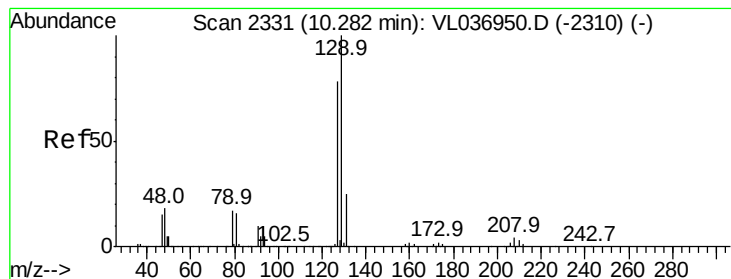
Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Tgt Ion: 97 Resp: 75464

Ion	Ratio	Lower	Upper
97	100		
83	71.5	70.4	105.6
85	47.0	45.5	68.3
99	56.6	50.2	75.2





#48

Dibromochloromethane

Concen: 0.386 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

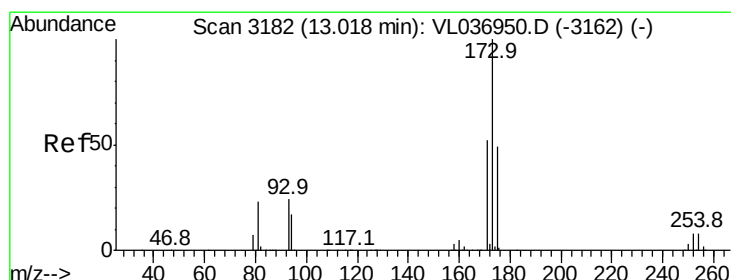
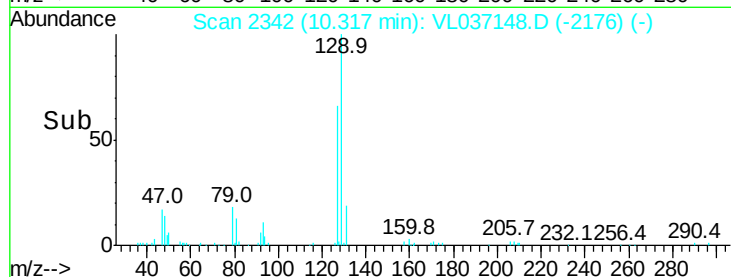
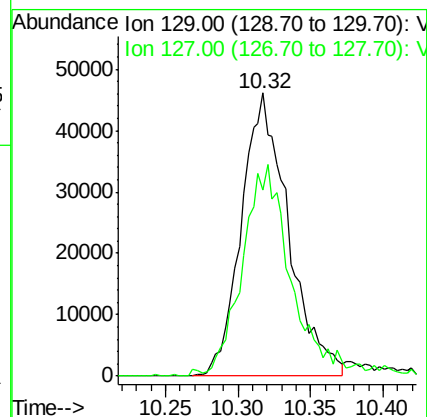
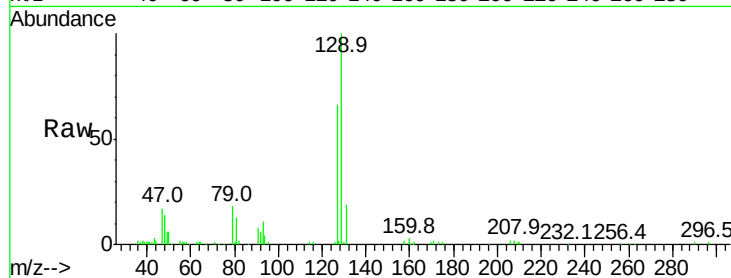
VSTDIC0.5

Tgt Ion:129 Resp: 103437

Ion Ratio Lower Upper

129 100

127 80.1 39.3 117.8



#49

Bromoform

Concen: 0.136 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

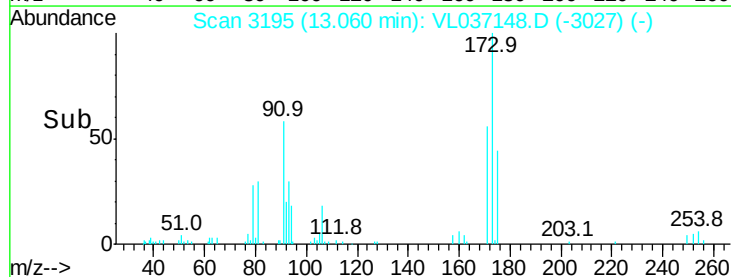
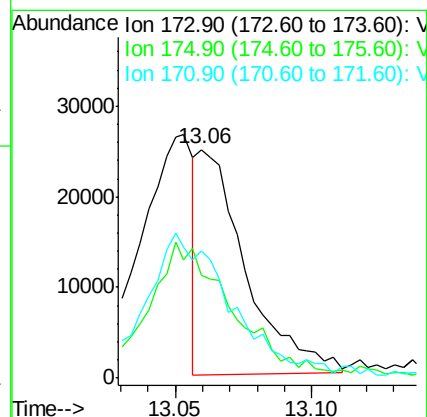
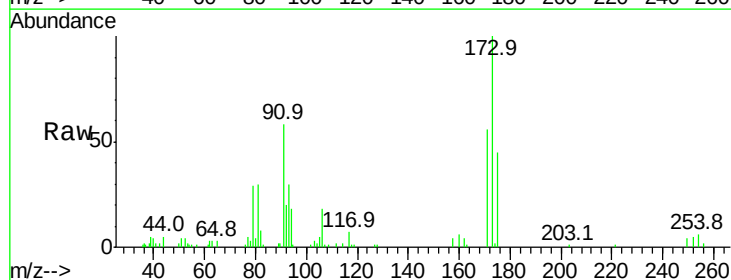
Tgt Ion:173 Resp: 30160

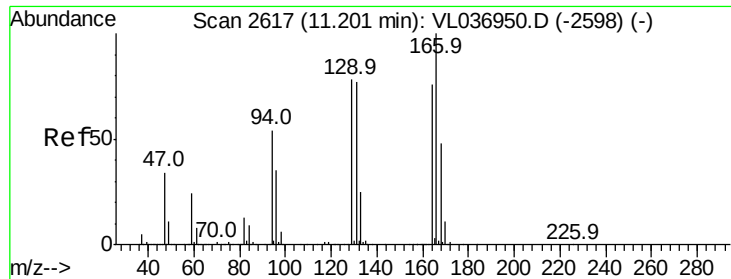
Ion Ratio Lower Upper

173 100

175 0.0 40.4 60.6#

171 0.0 42.6 64.0#





#52

Tetrachloroethene

Concen: 0.481 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 78589

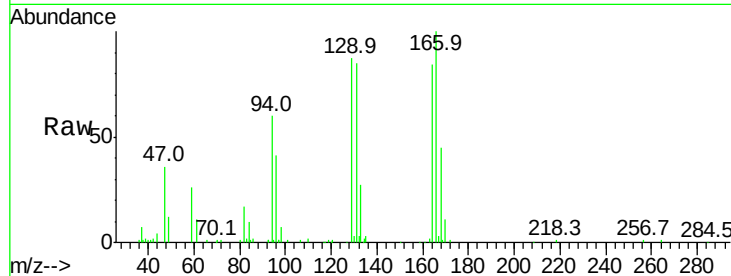
Ion Ratio Lower Upper

164 100

166 117.8 105.5 158.3

129 102.3 81.8 122.8

131 99.6 81.2 121.8

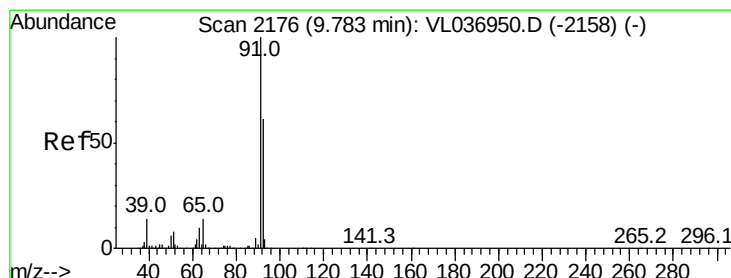
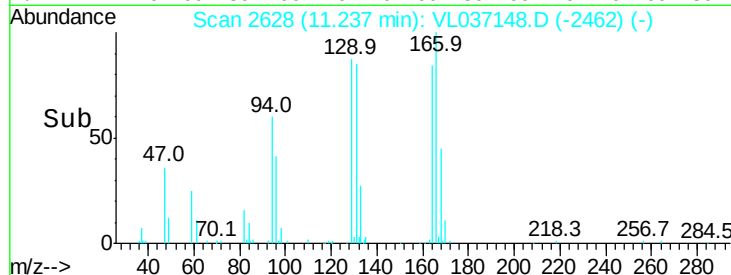
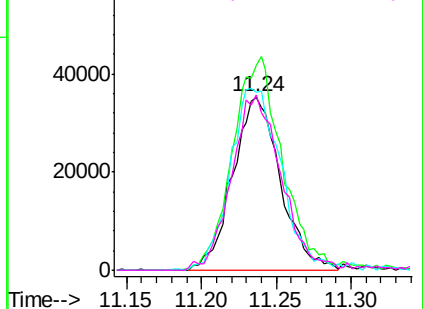


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.200 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.04 min

Lab File: VL037148.D

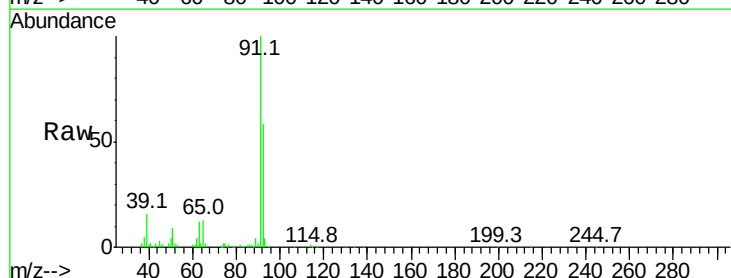
Acq: 14 Jun 2021 14:15

Tgt Ion: 91 Resp: 97688

Ion Ratio Lower Upper

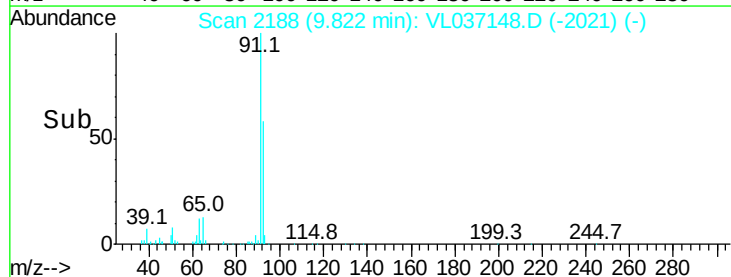
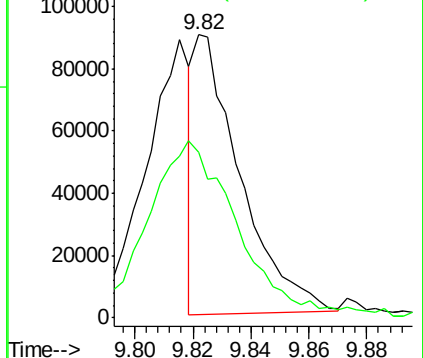
91 100

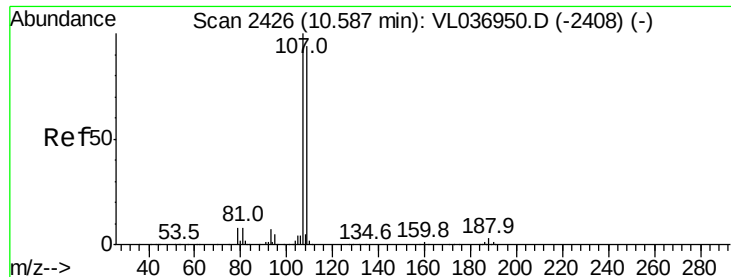
92 130.4 49.5 74.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

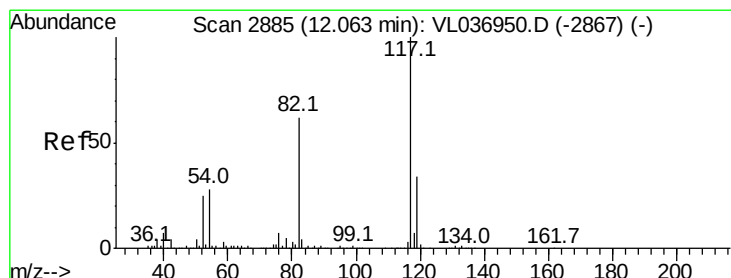
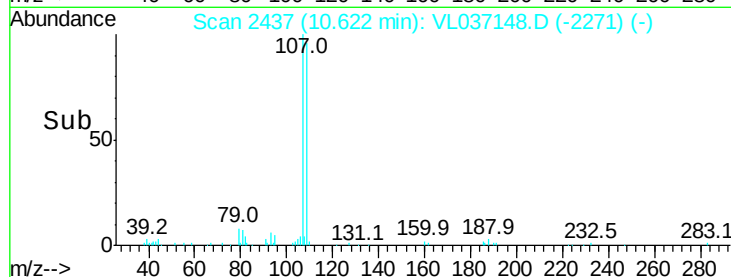
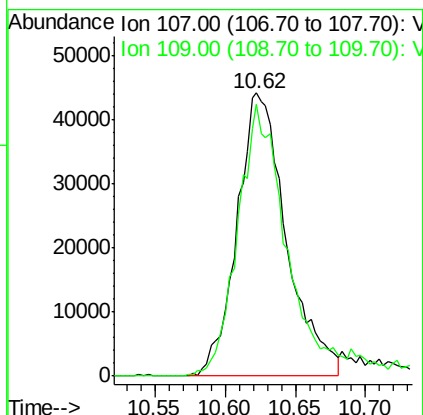
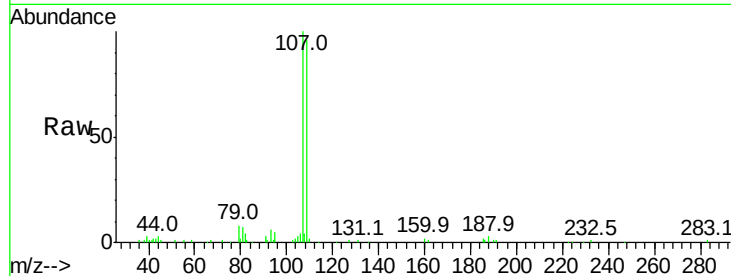




#54
 1,2-Dibromoethane
 Concen: 0.459 ppbv
 RT: 10.62 min Scan# 2437
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

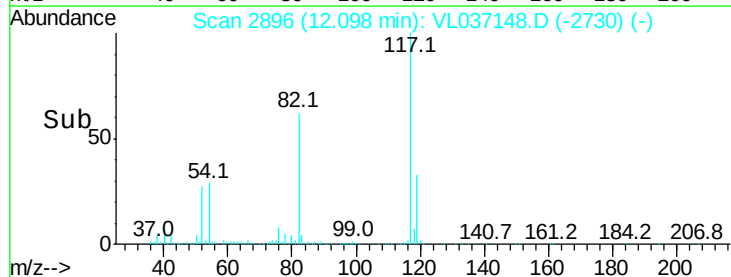
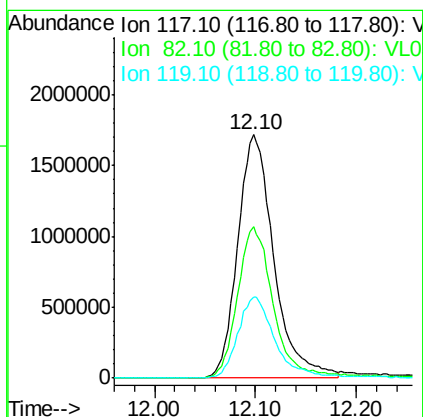
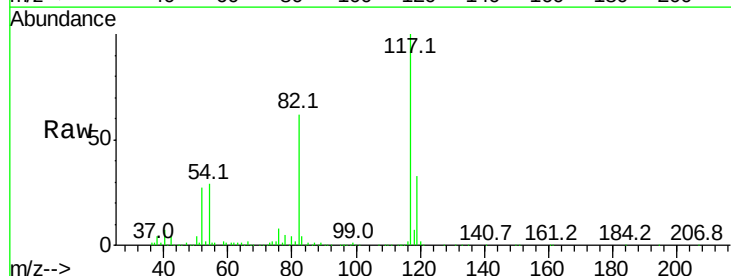
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

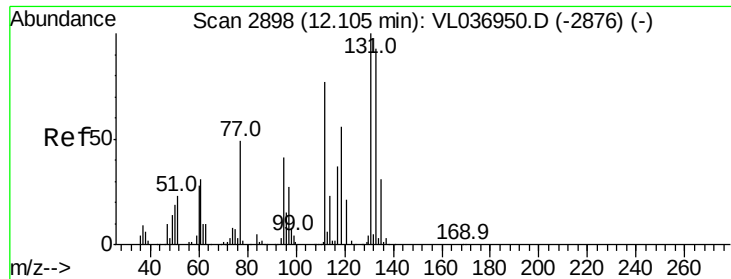
Tgt Ion:107 Resp: 108016
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.0 112.4



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2896
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion:117 Resp: 4274524
 Ion Ratio Lower Upper
 117 100
 82 62.7 52.6 79.0
 119 35.0 46.6 70.0#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.500 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

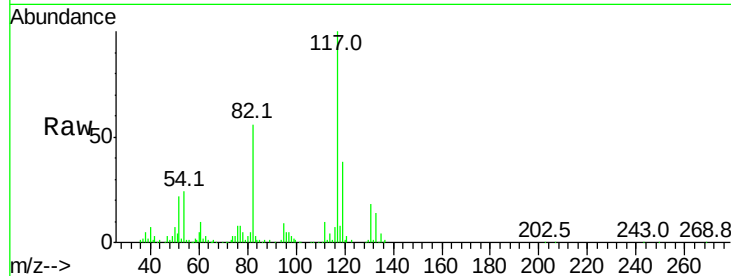
Tgt Ion:131 Resp: 89956

Ion Ratio Lower Upper

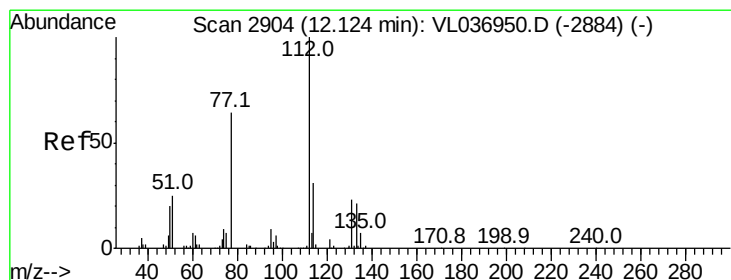
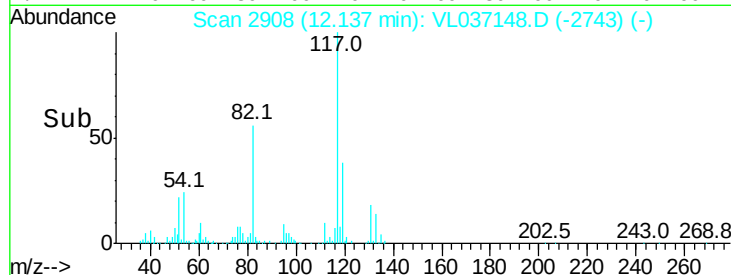
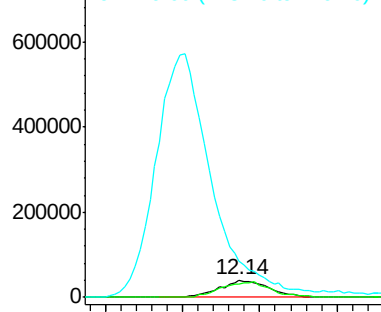
131 100

133 95.1 76.9 115.3

119 1662.8 120.2 180.4#



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: 0.532 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

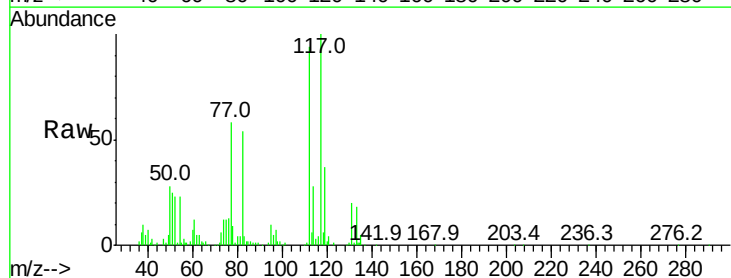
Tgt Ion:112 Resp: 176202

Ion Ratio Lower Upper

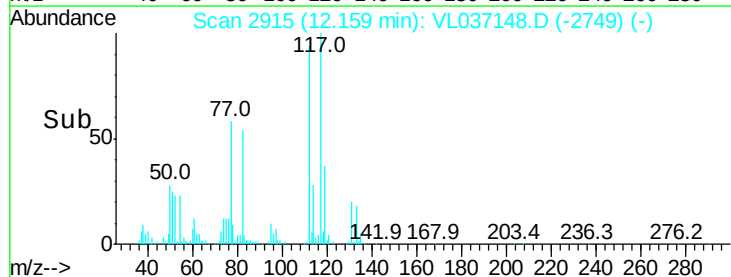
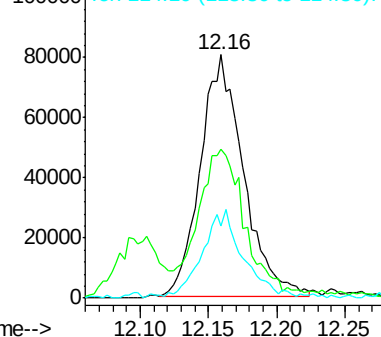
112 100

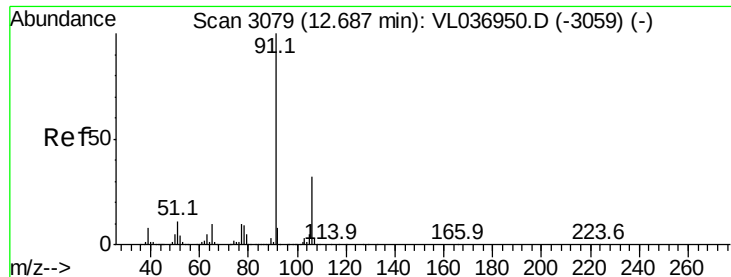
77 58.9 51.0 76.6

114 28.7 28.3 34.5



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: 0.457 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

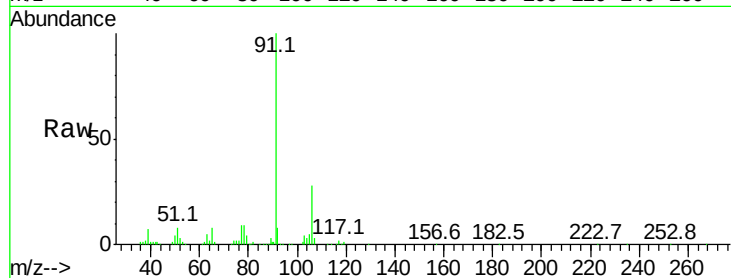
VSTDIC0.5

Tgt Ion: 91 Resp: 275982

Ion Ratio Lower Upper

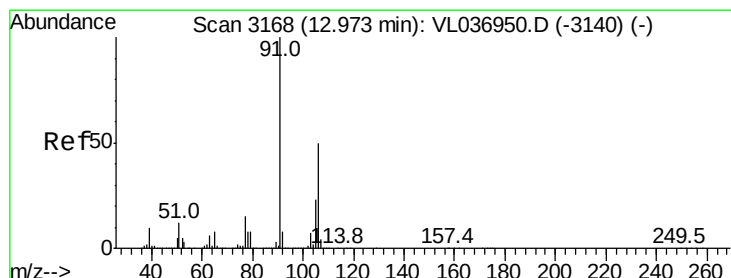
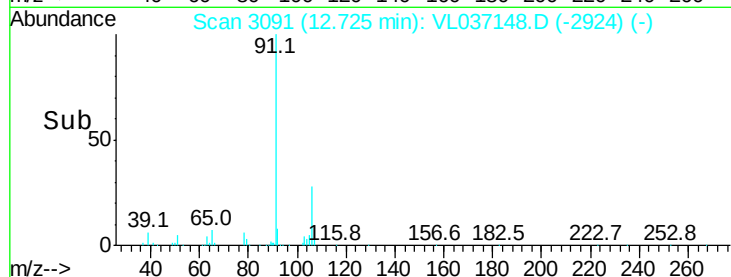
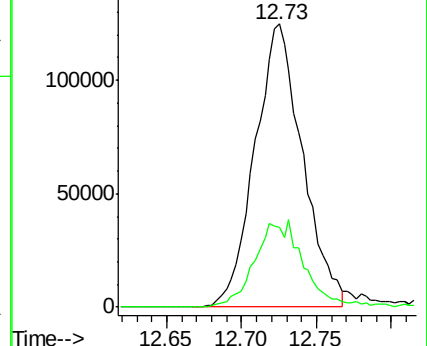
91 100

106 28.3 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.264 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. 0.04 min

Lab File: VL037148.D

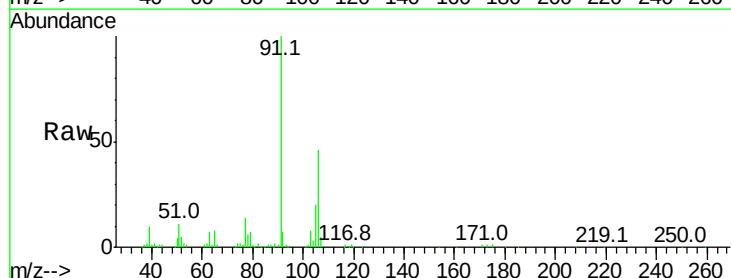
Acq: 14 Jun 2021 14:15

Tgt Ion: 91 Resp: 131595

Ion Ratio Lower Upper

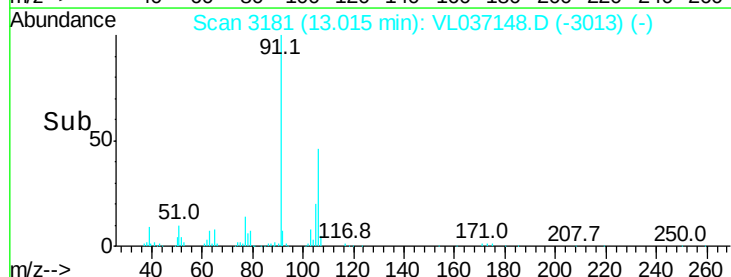
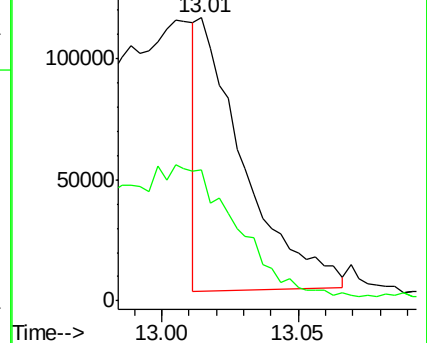
91 100

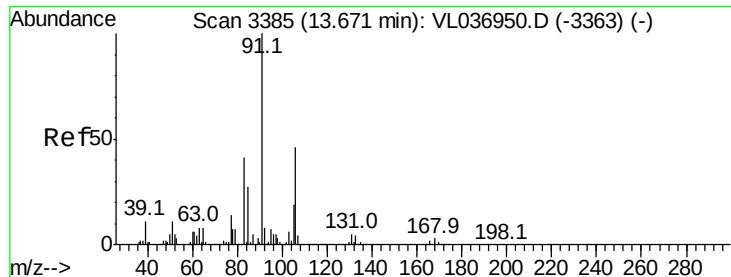
106 0.0 37.4 56.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.492 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. 0.03 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

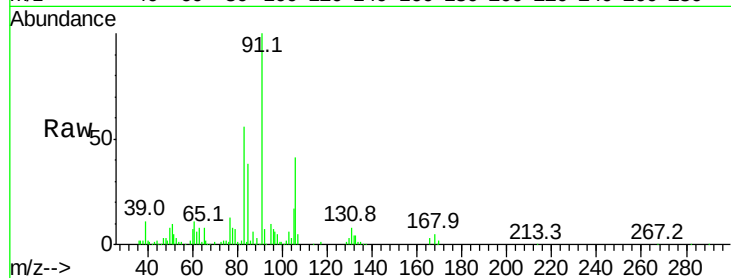
VSTDIC0.5

Tgt Ion: 91 Resp: 233934

Ion Ratio Lower Upper

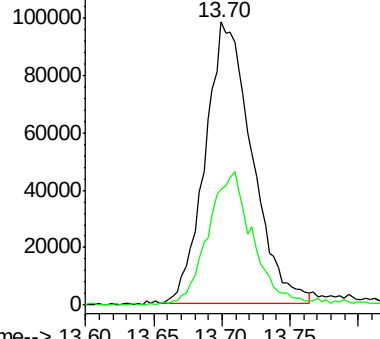
91 100

106 45.1 23.4 70.3

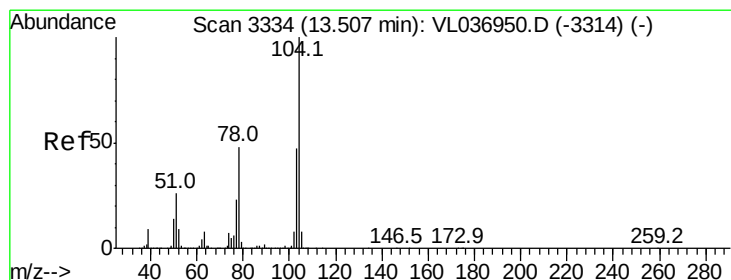
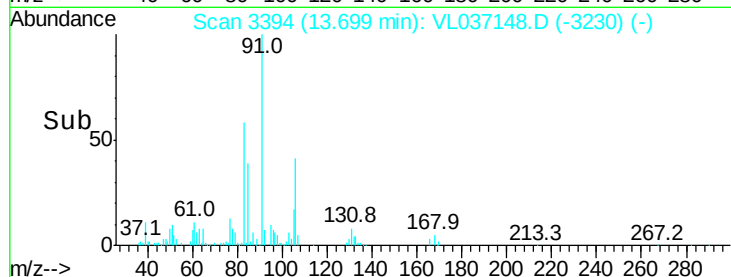


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



Time--> 13.60 13.65 13.70 13.75



#61

Styrene

Concen: 0.204 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

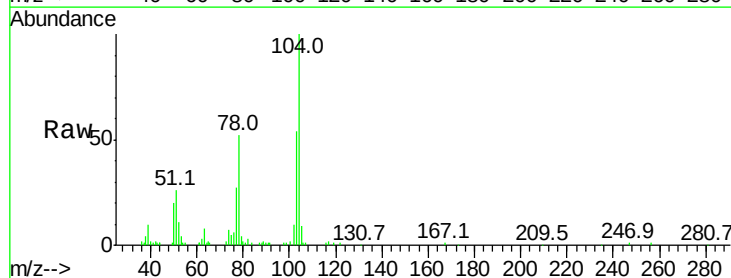
Tgt Ion: 104 Resp: 54582

Ion Ratio Lower Upper

104 100

78 99.4 39.0 58.6#

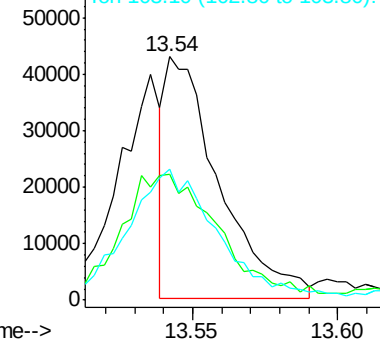
103 94.7 38.0 57.0#



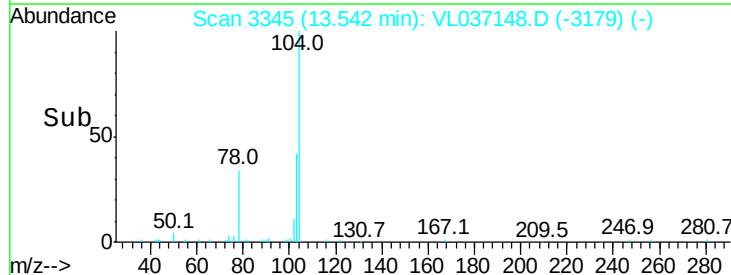
Abundance Ion 104.10 (103.80 to 104.80): V

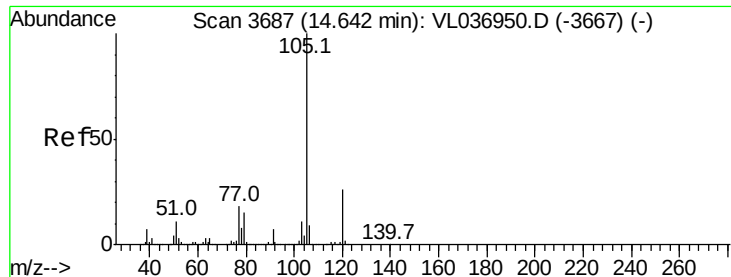
Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



Time--> 13.55 13.60





#62

Isopropylbenzene

Concen: 0.502 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

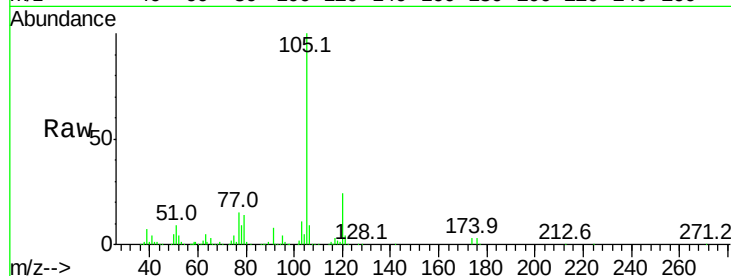
VSTDIC0.5

Tgt Ion:105 Resp: 343451

Ion Ratio Lower Upper

105 100

120 25.2 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.68

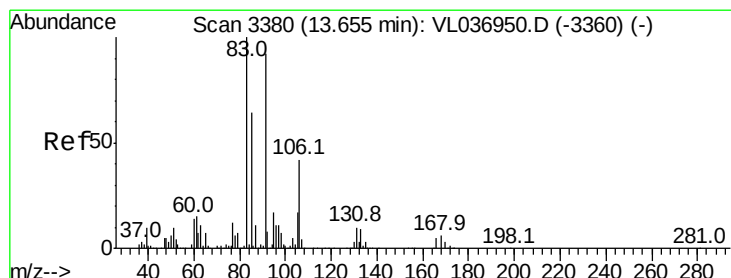
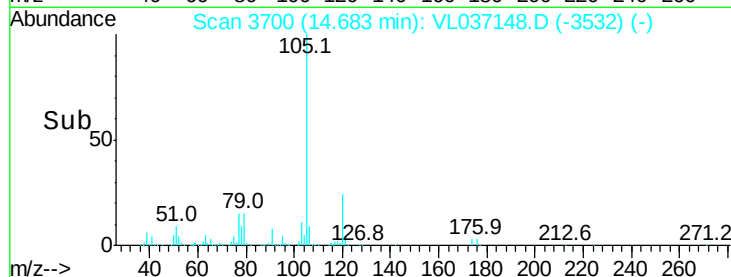
150000

100000

50000

0

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.460 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

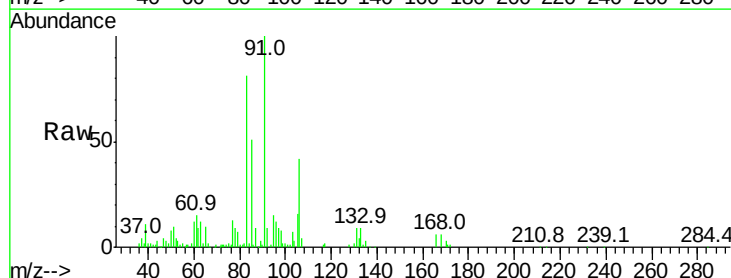
Tgt Ion: 83 Resp: 163437

Ion Ratio Lower Upper

83 100

131 11.5 5.0 15.0

85 65.1 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

13.69

80000

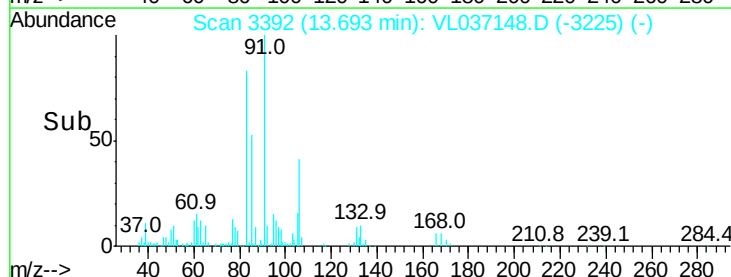
60000

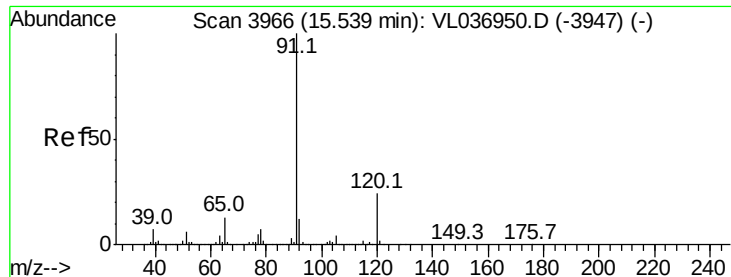
40000

20000

0

Time-->





#64

n-propylbenzene

Concen: 0.259 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

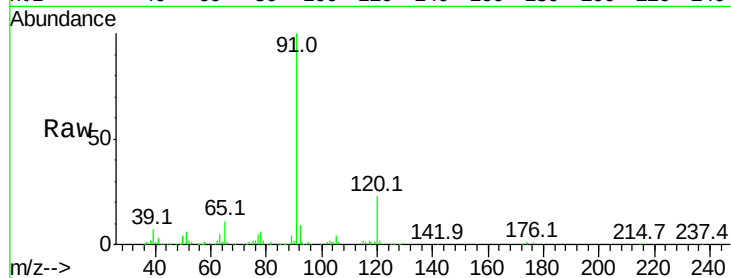
VSTDIC0.5

Tgt Ion:120 Resp: 45713

Ion Ratio Lower Upper

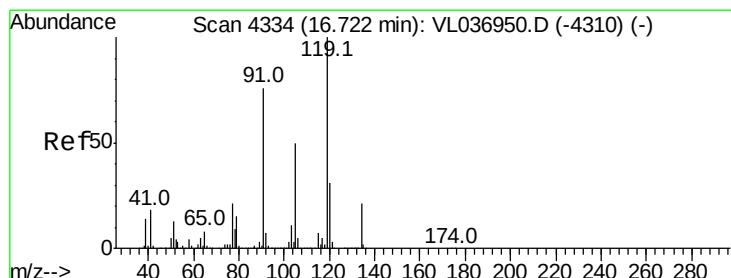
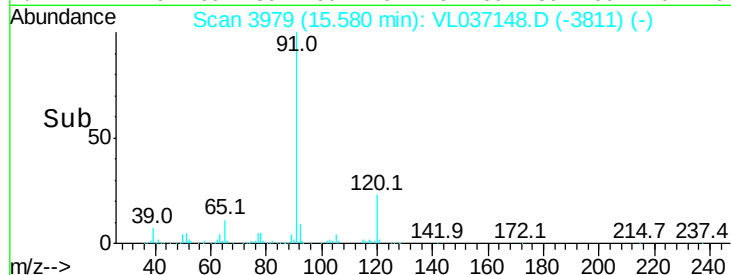
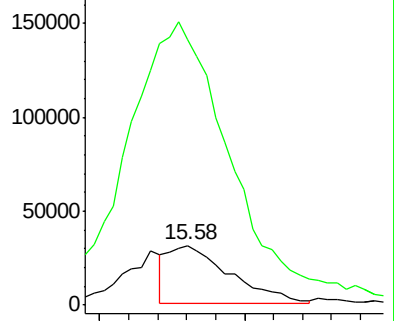
120 100

91 875.7 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.483 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

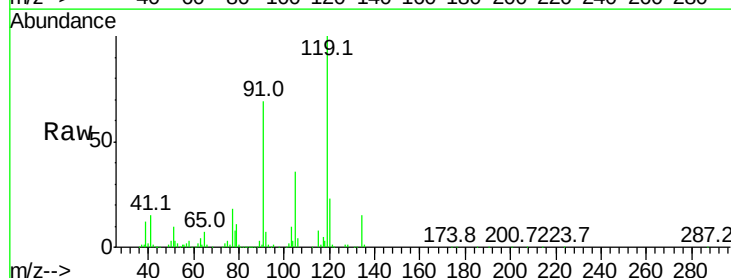
Tgt Ion:119 Resp: 297719

Ion Ratio Lower Upper

119 100

91 84.6 61.9 92.9

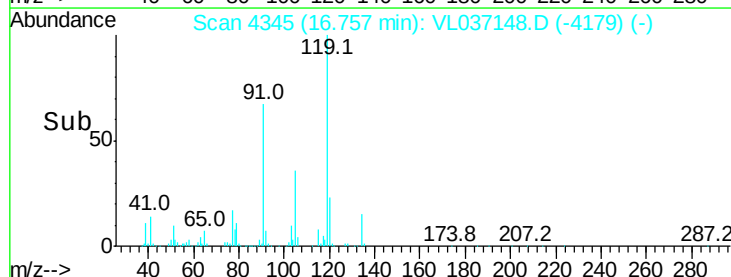
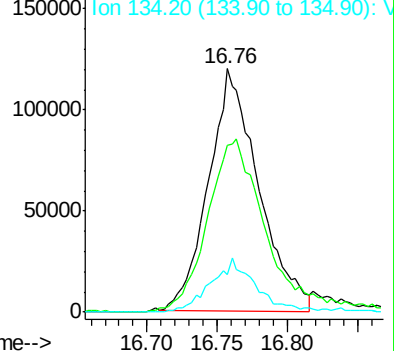
134 19.9 16.2 24.4

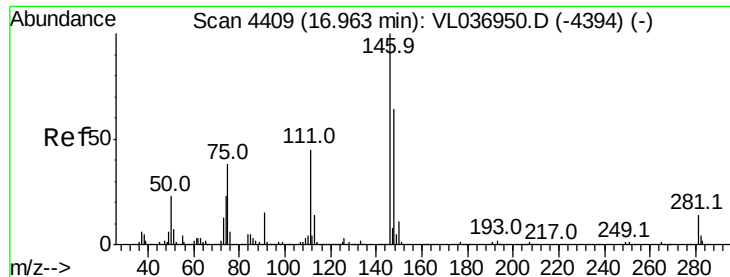


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

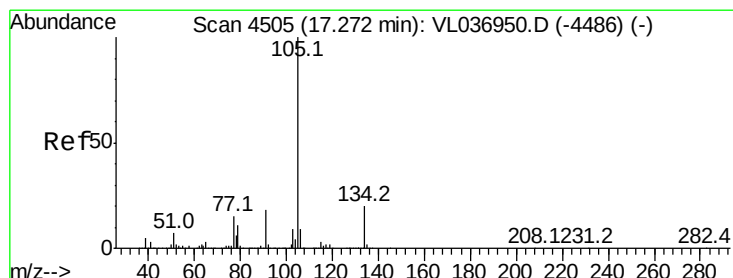
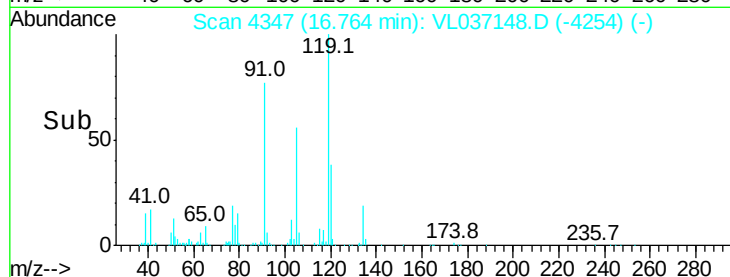
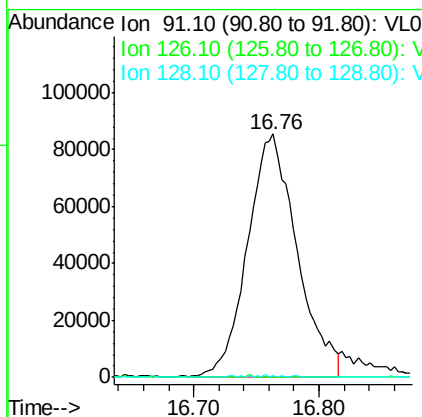
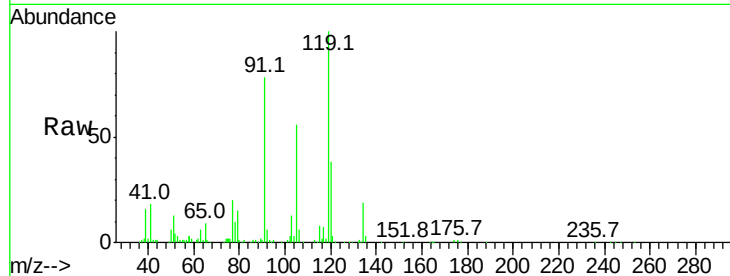




#66
Benzyl Chloride
Concen: 6.813 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.20 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

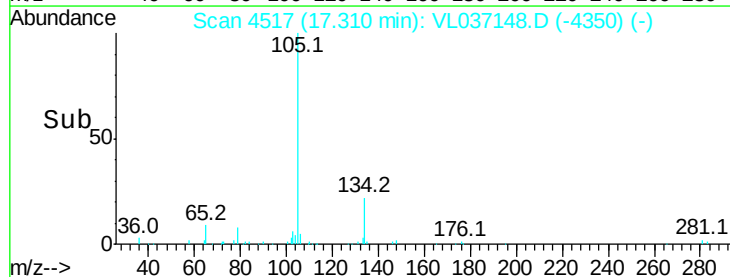
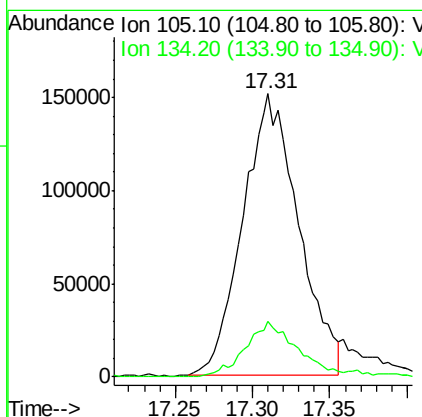
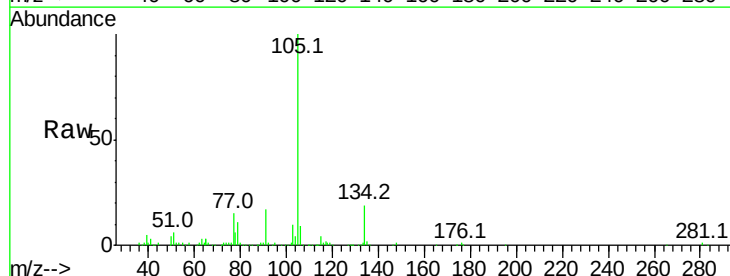
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

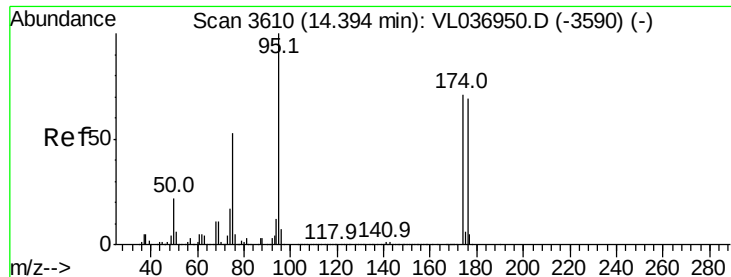
Tgt Ion: 91 Resp: 233173
Ion Ratio Lower Upper
91 100
126 0.1 16.5 24.7#
128 0.5 5.5 8.3#



#67
sec-Butylbenzene
Concen: 0.450 ppbv
RT: 17.31 min Scan# 4517
Delta R.T. 0.04 min
Lab File: VL037148.D
Acq: 14 Jun 2021 14:15

Tgt Ion: 105 Resp: 378396
Ion Ratio Lower Upper
105 100
134 19.7 15.6 23.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.820 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

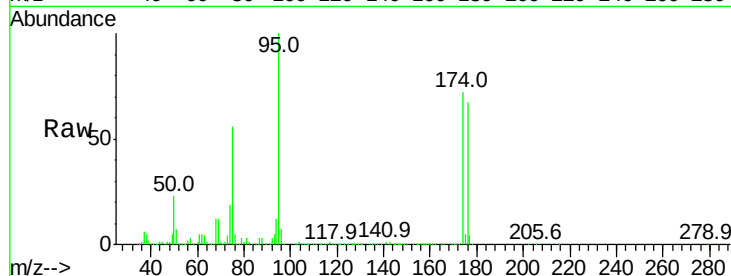
Tgt Ion: 95 Resp: 3153426

Ion Ratio Lower Upper

95 100

174 74.5 58.4 87.6

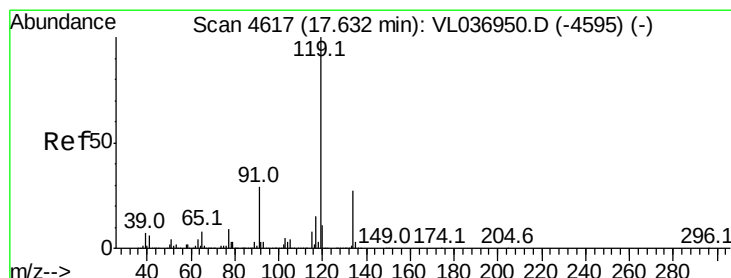
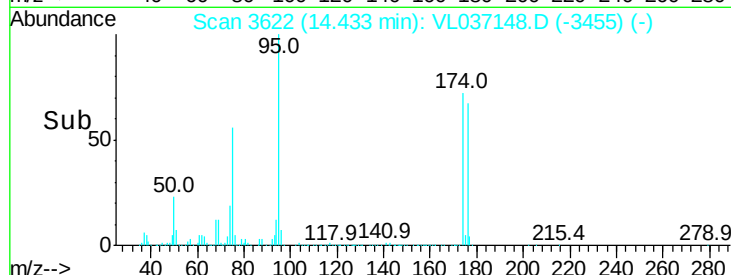
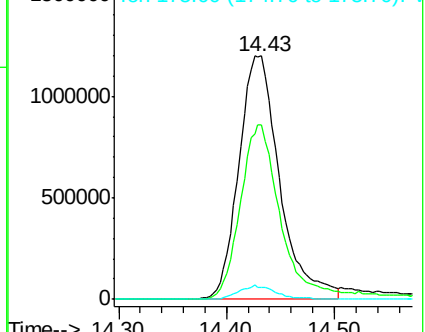
175 5.5 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL036950.D (-3590) (-)

Ion 174.00 (173.70 to 174.70): VL036950.D (-3590) (-)

Ion 175.00 (174.70 to 175.70): VL036950.D (-3590) (-)



#69

p-Isopropyltoluene

Concen: 0.244 ppbv

RT: 17.67 min Scan# 4629

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

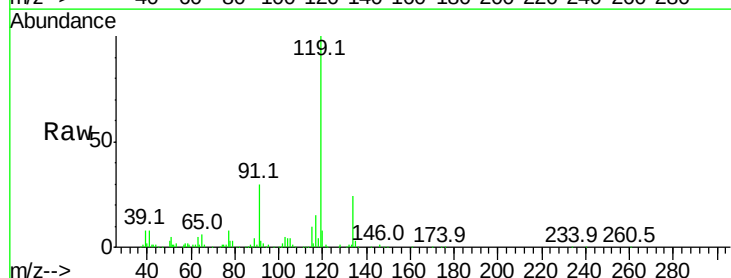
Tgt Ion: 119 Resp: 176763

Ion Ratio Lower Upper

119 100

134 44.4 21.2 31.8#

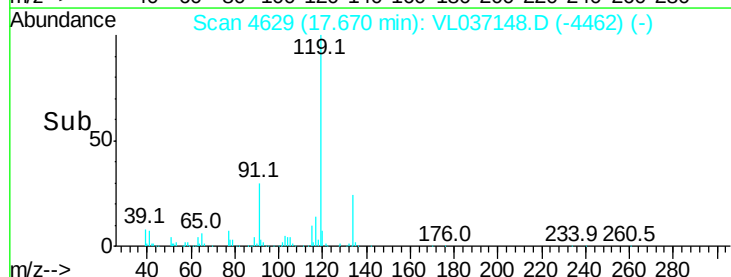
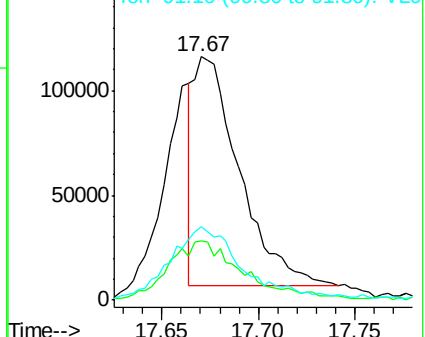
91 52.3 22.2 33.4#

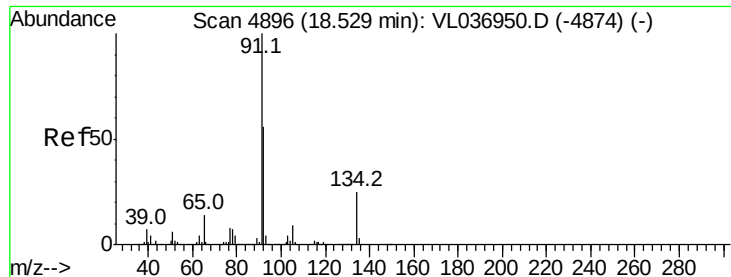


Abundance Ion 119.10 (118.80 to 119.80): VL036950.D (-4595) (-)

Ion 134.20 (133.90 to 134.90): VL036950.D (-4595) (-)

Ion 91.10 (90.80 to 91.80): VL036950.D (-4595) (-)





#70

n-Butylbenzene

Concen: 0.384 ppbv

RT: 18.57 min Scan# 4909

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

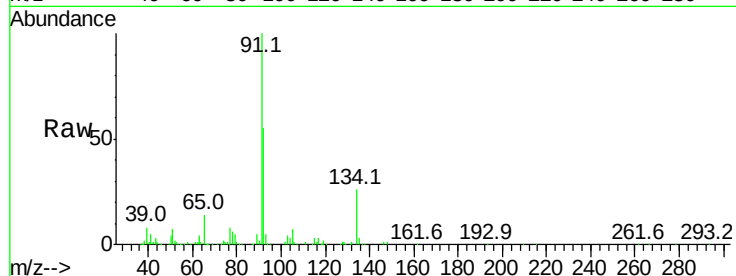
Tgt Ion: 91 Resp: 263606

Ion Ratio Lower Upper

91 100

92 55.0 44.6 66.8

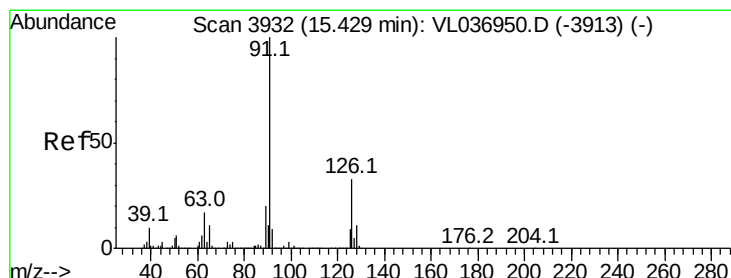
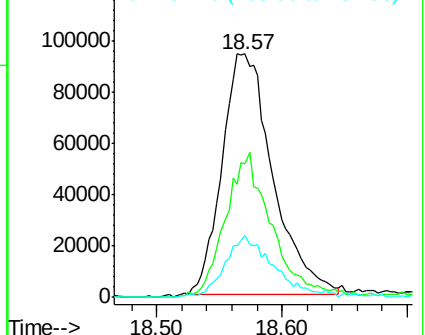
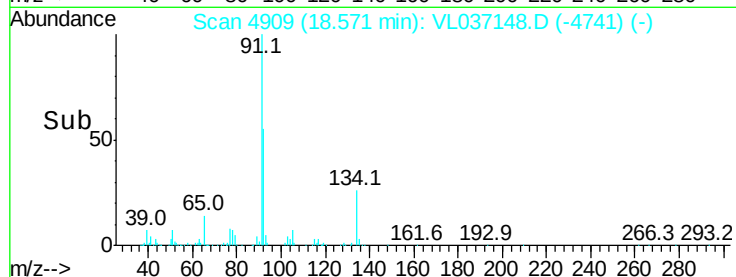
134 25.4 20.2 30.2



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): VL0



#71

2-Chlorotoluene

Concen: 0.468 ppbv

RT: 15.47 min Scan# 3944

Delta R.T. 0.04 min

Lab File: VL037148.D

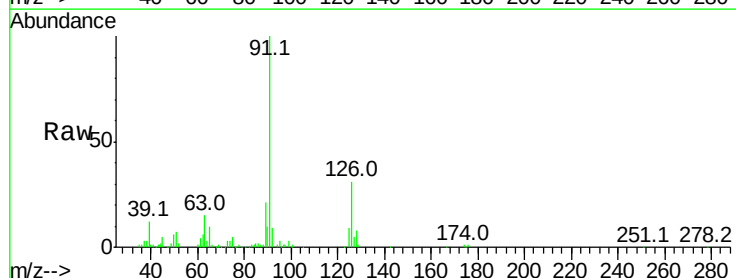
Acq: 14 Jun 2021 14:15

Tgt Ion: 91 Resp: 231273

Ion Ratio Lower Upper

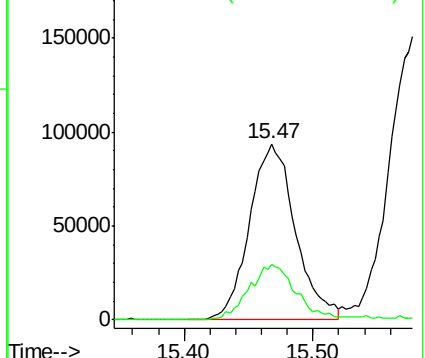
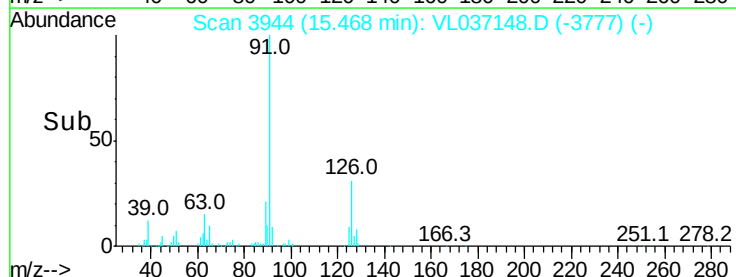
91 100

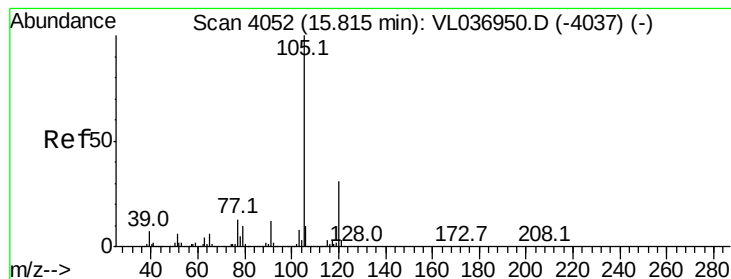
126 32.6 13.1 52.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0





#72

4-Ethyltoluene

Concen: 0.436 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 245886

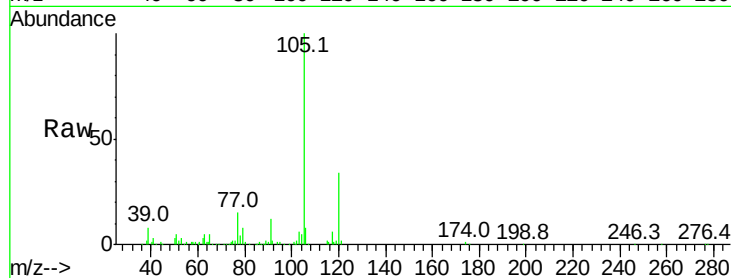
Ion Ratio Lower Upper

105 100

120 32.8 24.6 37.0

91 13.0 9.8 14.6

77 15.2 10.4 15.6

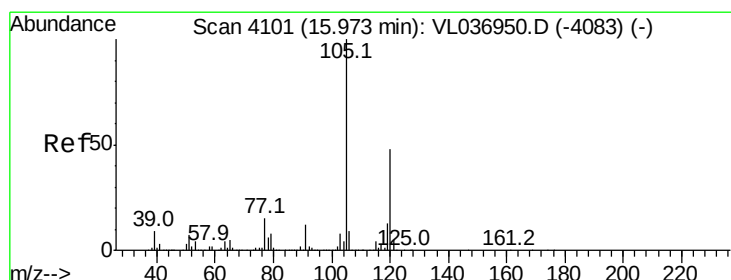
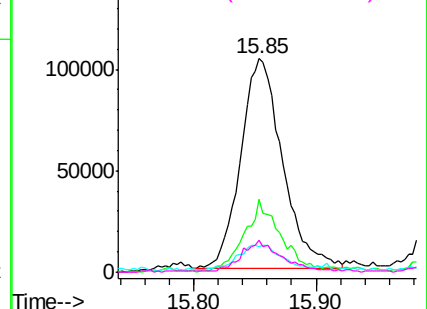
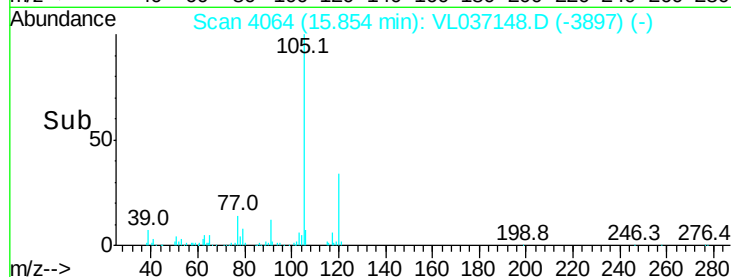


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.443 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. 0.04 min

Lab File: VL037148.D

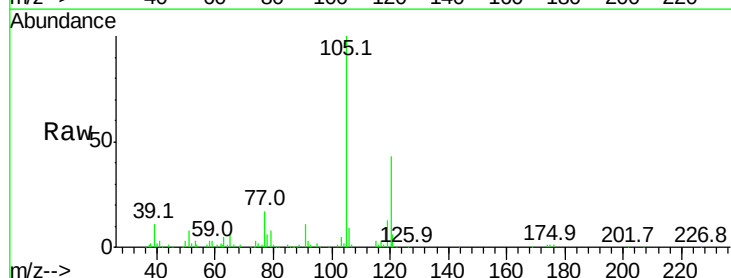
Acq: 14 Jun 2021 14:15

Tgt Ion:105 Resp: 234903

Ion Ratio Lower Upper

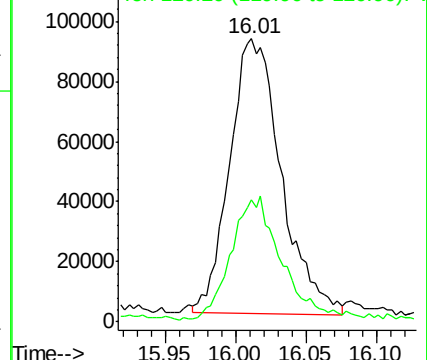
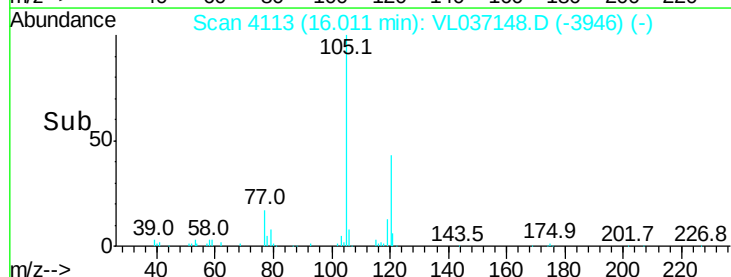
105 100

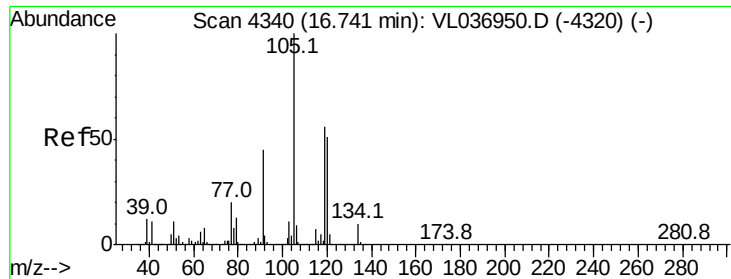
120 43.8 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

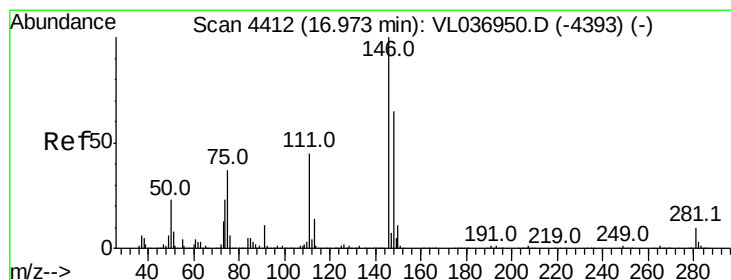
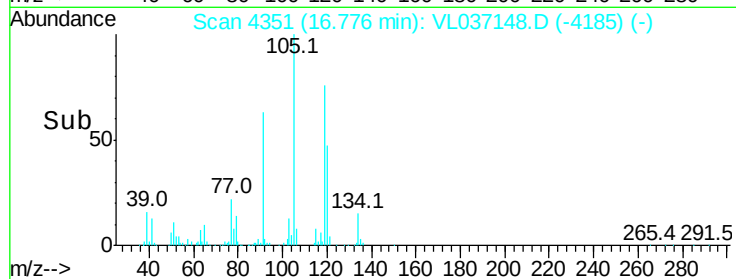
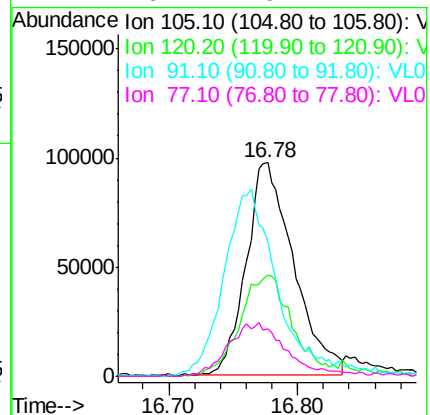
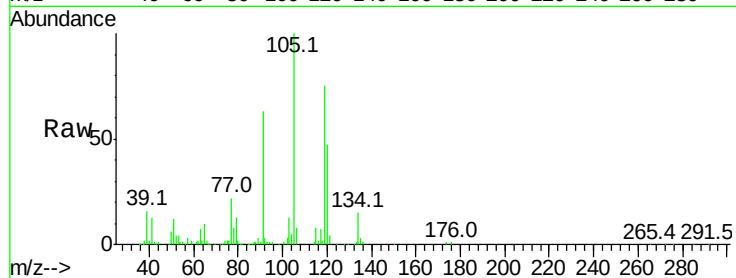




#74
 1,2,4-Trimethylbenzene
 Concen: 0.458 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

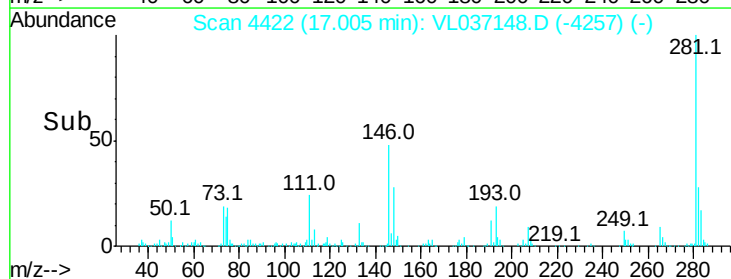
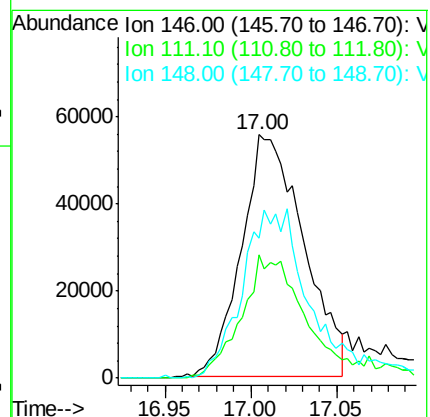
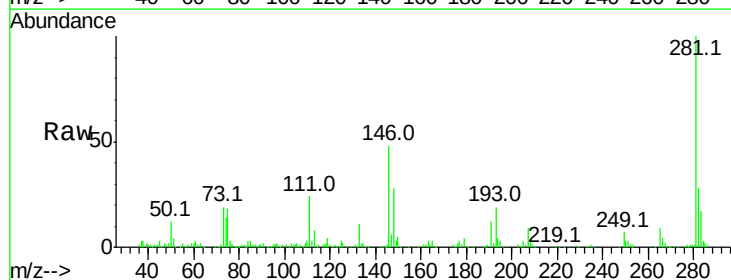
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

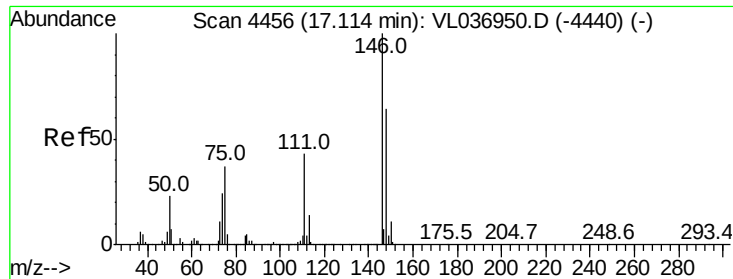
Tgt Ion:	105	Resp:	250868
Ion Ratio	Lower	Upper	
105	100		
120	46.4	40.6	61.0
91	58.0	37.4	56.0#
77	20.7	16.2	24.4



#75
 1,3-Dichlorobenzene
 Concen: 0.417 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. 0.03 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion:	146	Resp:	139528
Ion Ratio	Lower	Upper	
146	100		
111	55.1	22.2	66.6
148	77.3	32.3	96.8

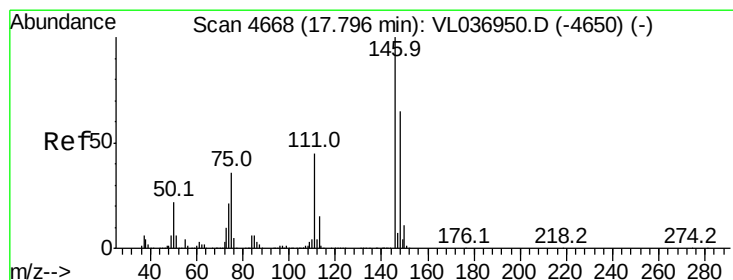
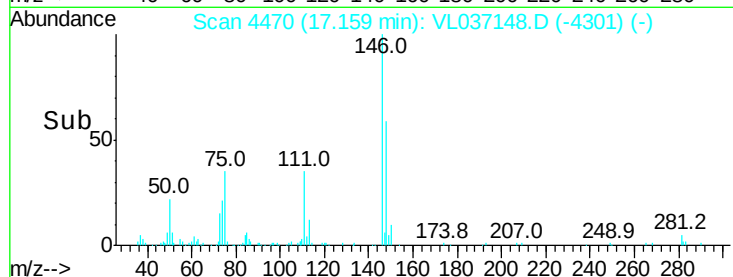
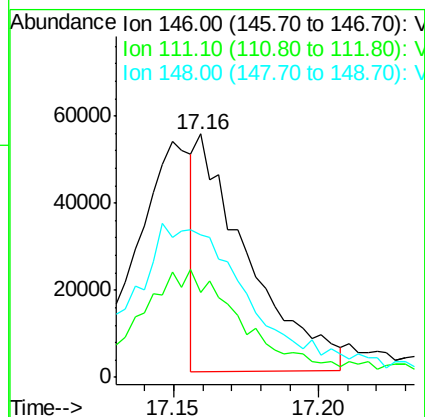
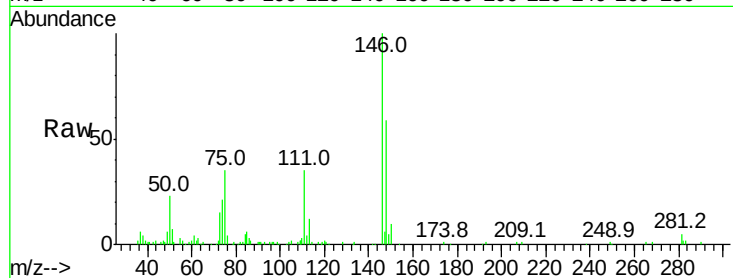




#76
 1,4-Dichlorobenzene
 Concen: 0.201 ppbv
 RT: 17.16 min Scan# 4470
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

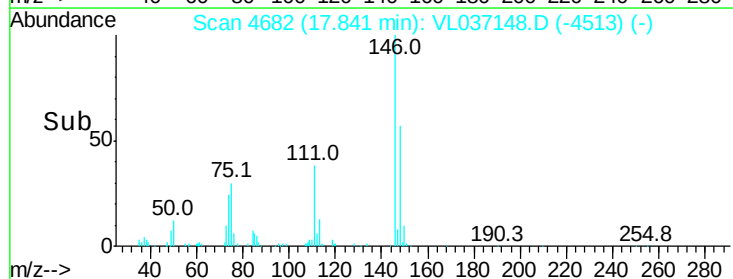
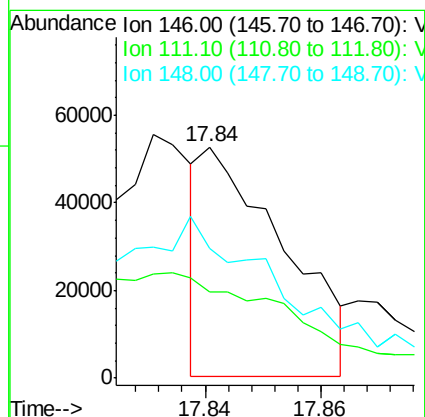
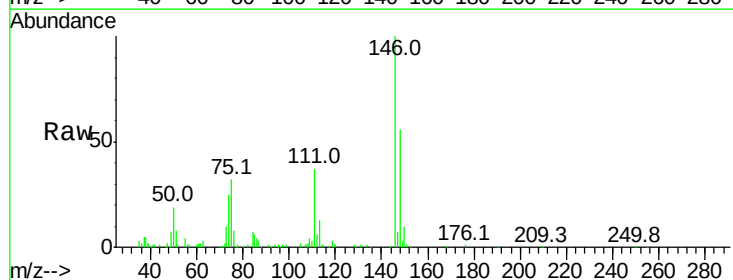
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

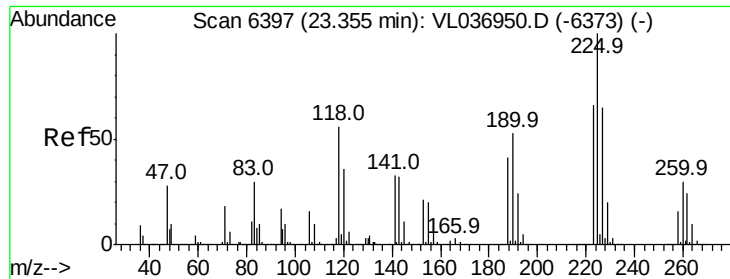
Tgt Ion:146 Resp: 68023
 Ion Ratio Lower Upper
 146 100
 111 104.6 22.6 67.7#
 148 0.0 33.5 100.5#



#77
 1,2-Dichlorobenzene
 Concen: 0.154 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. 0.04 min
 Lab File: VL037148.D
 Acq: 14 Jun 2021 14:15

Tgt Ion:146 Resp: 51499
 Ion Ratio Lower Upper
 146 100
 111 141.1 23.1 69.2#
 148 201.1 32.5 97.4#





#78

Hexachloro-1,3-Butadiene

Concen: 0.445 ppbv

RT: 23.39 min Scan# 6409

Delta R.T. 0.04 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

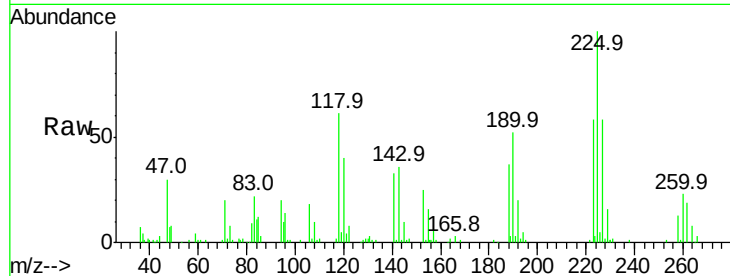
Tgt Ion:225 Resp: 119949

Ion Ratio Lower Upper

225 100

223 67.4 51.9 77.9

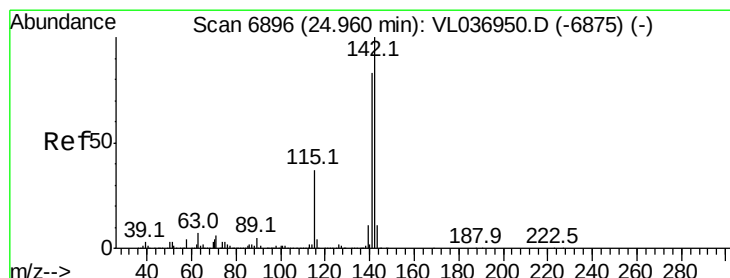
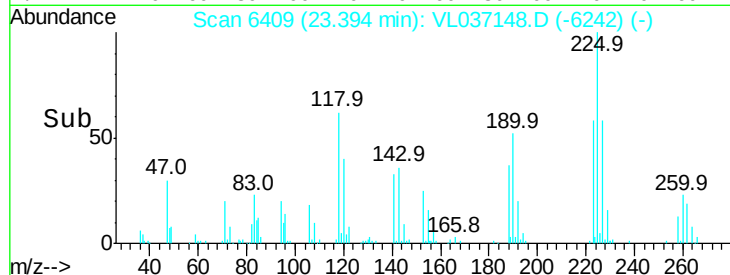
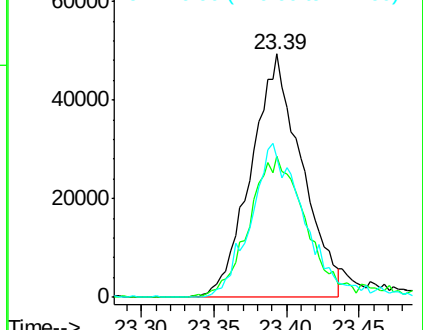
227 67.3 51.8 77.6



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



#80

Naphthalene, 2-methyl-

Concen: 0.034 ppbv

RT: 25.03 min Scan# 6917

Delta R.T. 0.07 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

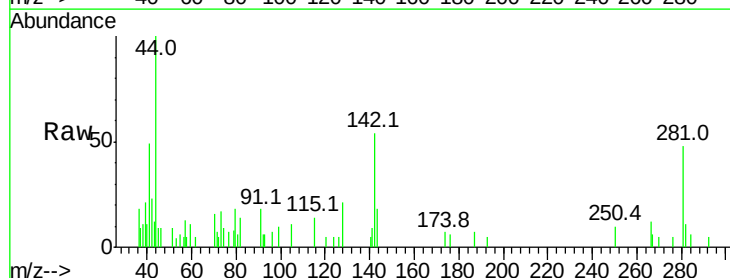
Tgt Ion:142 Resp: 3204

Ion Ratio Lower Upper

142 100

141 97.5 69.3 103.9

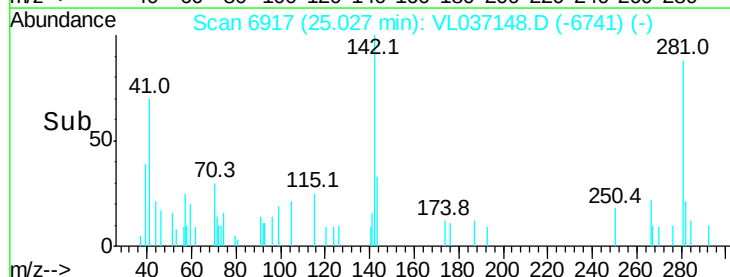
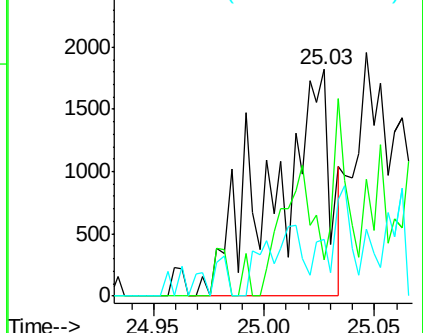
115 50.4 29.1 43.7#

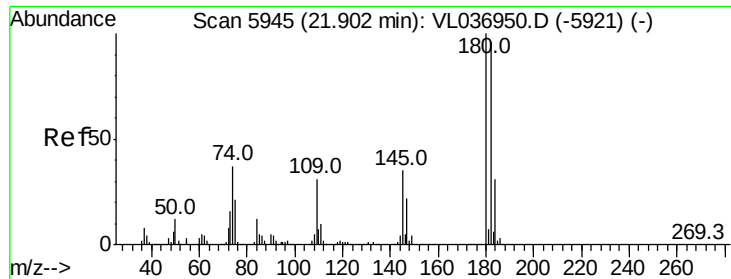


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.140 ppbv

RT: 21.96 min Scan# 5962

Delta R.T. 0.05 min

Lab File: VL037148.D

Acq: 14 Jun 2021 14:15

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:180 Resp: 36786

Ion Ratio Lower Upper

180 100

182 206.6 81.7 122.5#

184 65.0 24.9 37.3#

