

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051821\
 Data File : VL036953.D
 Acq On : 18 May 2021 3:53
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: May 18 07:08:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 07:06:50 2021
 QLast Update : Tue May 18 07:06:50 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1368900	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3888919	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3671788	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2741105	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	141992	0.608 ppbv	94
3) Chlorodifluoromethane	2.97	51	133764	0.497 ppbv	98
4) Chloromethane	3.13	50	42590	0.485 ppbv	100
5) Vinyl Chloride	3.24	62	42542	0.444 ppbv	100
6) Bromomethane	3.46	94	23729	0.491 ppbv	87
7) Chloroethane	3.54	64	13858	0.449 ppbv	92
8) Dichlorotetrafluoroethane	3.17	85	113359	0.515 ppbv	94
9) Propene	3.00	41	48878	0.637 ppbv	92
10) Heptane	8.10	43	118203	0.647 ppbv	98
11) Trichlorofluoromethane	3.93	101	110327	0.525 ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	80522	0.567 ppbv	100
13) Ethanol	3.61	45	2654	0.182 ppbv #	35
14) Bromoethene	3.72	108	33270	0.584 ppbv #	89
15) Acetone	3.85	43	27695	0.215 ppbv #	45
16) 1,3-Butadiene	3.31	39	46299	0.557 ppbv	100
17) tert-Butyl alcohol	4.32	59	30922	0.260 ppbv #	38
18) 1,1-Dichloroethene	4.27	96	35002	0.600 ppbv	96
20) Methylene Chloride	4.33	84	43606	0.415 ppbv	96
21) Allvl Chloride	4.39	41	55986	0.592 ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	30040	0.502 ppbv	89
23) Vinyl Acetate	5.07	43	35908	0.196 ppbv #	97
24) 1,1-Dichloroethane	4.99	63	77766	0.560 ppbv	97
25) Ethyl Acetate	5.67	43	177244	0.558 ppbv	96
26) Hexane	5.67	57	38744	0.238 ppbv #	1
27) Carbon Disulfide	4.53	76	84830	0.587 ppbv	94
28) Methyl tert-Butyl Ether	5.03	73	108372	0.688 ppbv	98
29) Chloroform	5.73	83	133020	0.544 ppbv	97
30) Cyclohexane	7.11	84	78136	0.626 ppbv	88
31) cis-1,2-Dichloroethene	5.53	61	76829	0.601 ppbv	91
32) 1,1,1-Trichloroethane	6.49	97	129720	0.497 ppbv	97
34) 2-Butanone	5.24	43	67011	0.451 ppbv #	76
35) Carbon Tetrachloride	7.00	117	130089	0.428 ppbv	98
36) Benzene	6.87	78	179434	0.574 ppbv	98
37) 1,2-Dichloroethane	6.28	62	42348	0.229 ppbv #	80
38) Trichloroethene	7.81	130	70441	0.550 ppbv	93
39) 1,2-Dichloropropane	7.59	63	68334	0.534 ppbv #	84
42) Bromodichloromethane	7.76	83	127280	0.466 ppbv	92
43) Methyl Methacrylate	8.00	69	27877	0.307 ppbv #	1
44) 2,2,4-Trimethylpentane	7.85	57	322743	0.581 ppbv	99
45) t-1,3-Dichloropropene	9.26	75	19096	0.233 ppbv	93
46) cis-1,3-Dichloropropene	8.68	75	53552	0.466 ppbv	94

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 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

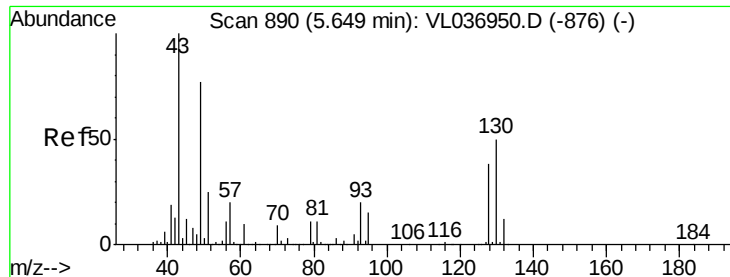
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: May 18 07:08:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 07:06:50 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

47) 1,1,2-Trichloroethane	9.45	97	72582	0.517	ppbv	95
48) Dibromochloromethane	10.28	129	106248	0.503	ppbv	95
49) Bromoform	13.01	173	79478	0.457	ppbv	97
50) 4-Methyl-2-Pentanone	8.75	43	62366	0.306	ppbv #	29
52) Tetrachloroethene	11.19	164	37634	0.328	ppbv	91
53) Toluene	9.78	91	219205	0.703	ppbv	99
54) 1,2-Dibromoethane	10.59	107	97463	0.532	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	82957	0.491	ppbv #	1
57) Chlorobenzene	12.12	112	150785	0.487	ppbv #	93
58) Ethyl Benzene	12.68	91	159554	0.366	ppbv	99
59) m/p-Xylene	12.97	91	216418	0.528	ppbv #	16
60) o-Xylene	13.67	91	226177	0.570	ppbv	96
61) Styrene	13.50	104	68378	0.420	ppbv #	29
62) Isopropylbenzene	14.64	105	159698	0.295	ppbv #	48
63) 1,1,2,2-Tetrachloroethane	13.65	83	142726	0.381	ppbv	91
64) n-propylbenzene	15.54	120	35157	0.263	ppbv #	1
65) tert-Butylbenzene	16.72	119	299216	0.624	ppbv	97
66) Benzyl Chloride	16.96	91	4739	0.109	ppbv #	1
67) sec-Butylbenzene	17.27	105	398658	0.588	ppbv	100
69) p-Isopropyltoluene	17.63	119	335700	0.651	ppbv	99
70) n-Butylbenzene	18.53	91	145044	0.280	ppbv #	32
71) 2-Chlorotoluene	15.43	91	234600	0.606	ppbv	99
72) 4-Ethyltoluene	15.82	105	253832	0.618	ppbv	95
73) 1,3,5-Trimethylbenzene	15.97	105	229440	0.571	ppbv	92
74) 1,2,4-Trimethylbenzene	16.74	105	248533	0.564	ppbv	90
75) 1,3-Dichlorobenzene	16.97	146	145919	0.510	ppbv	94
76) 1,4-Dichlorobenzene	17.11	146	62256	0.244	ppbv #	22
77) 1,2-Dichlorobenzene	17.80	146	140031	0.541	ppbv	89
78) Hexachloro-1,3-Butadiene	23.35	225	74092	0.320	ppbv #	19
79) Naphthalene	22.18	128	149868	0.752	ppbv	97
80) Naphthalene,2-methyl-	24.99	142	16322	0.559	ppbv #	69
81) 1,2,4-Trichlorobenzene	21.90	180	53839	0.378	ppbv #	8

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

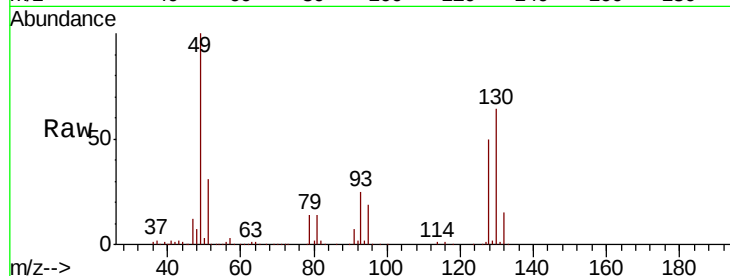
Tot Ion: 49 Resp: 1368900

Ion Ratio Lower Upper

49 100

128 53.3 26.9 80.7

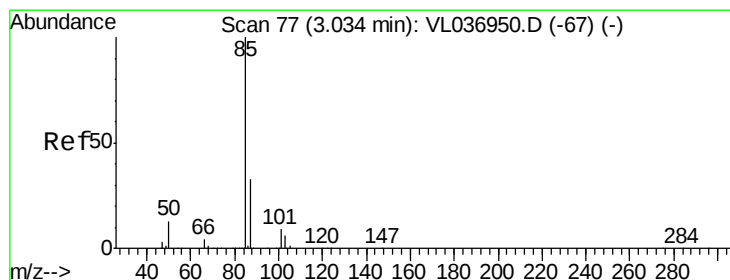
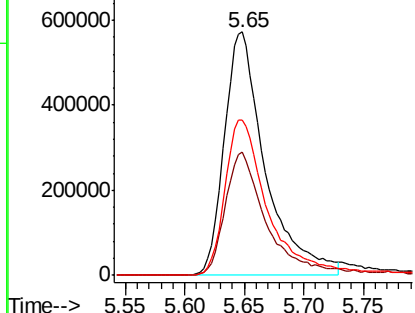
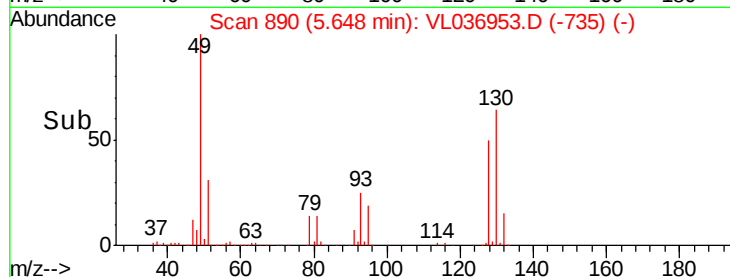
130 68.5 33.8 101.4



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: 0.608 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036953.D

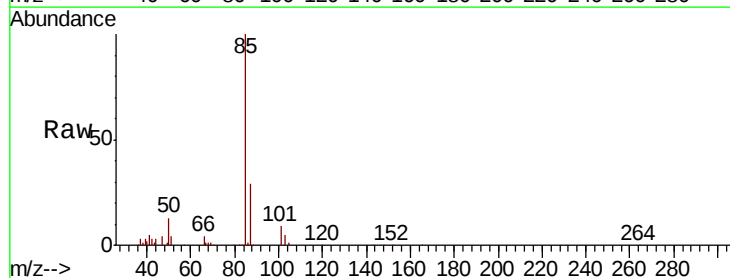
Acq: 18 May 2021 3:53

Tgt Ion: 85 Resp: 141992

Ion Ratio Lower Upper

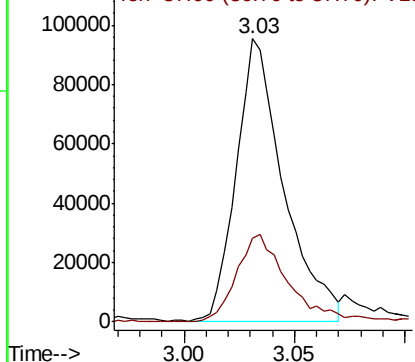
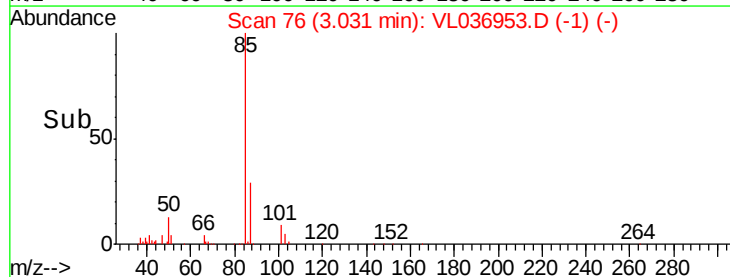
85 100

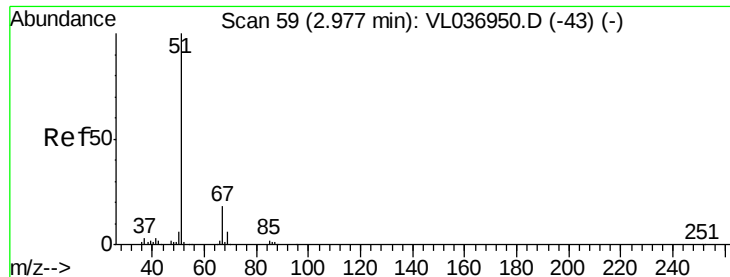
87 29.6 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.497 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

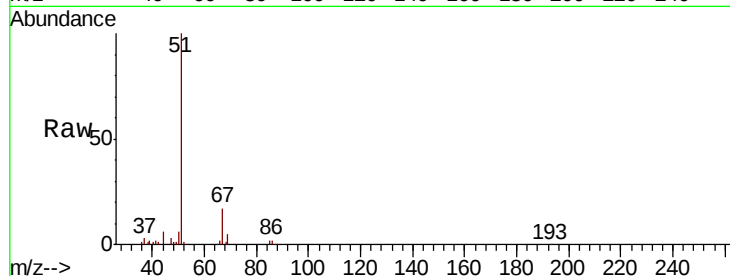
VSTDIC0.5

Tot Ion: 51 Resp: 133764

Ion Ratio Lower Upper

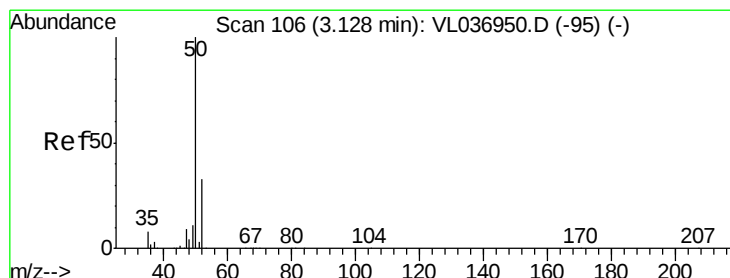
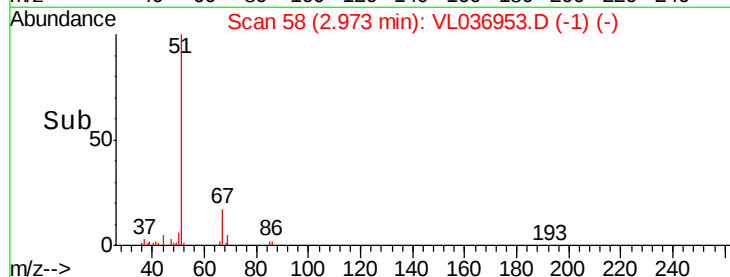
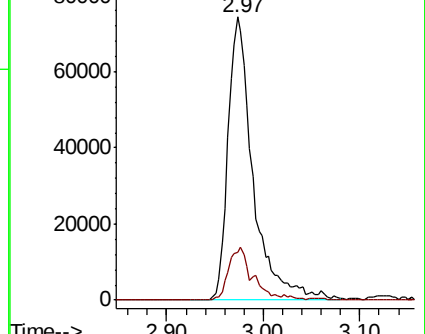
51 100

67 18.9 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.485 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL036953.D

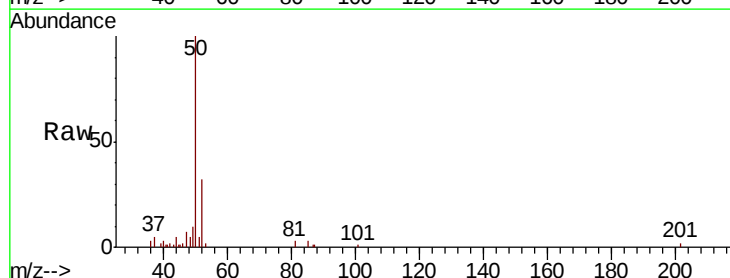
Acq: 18 May 2021 3:53

Tgt Ion: 50 Resp: 42590

Ion Ratio Lower Upper

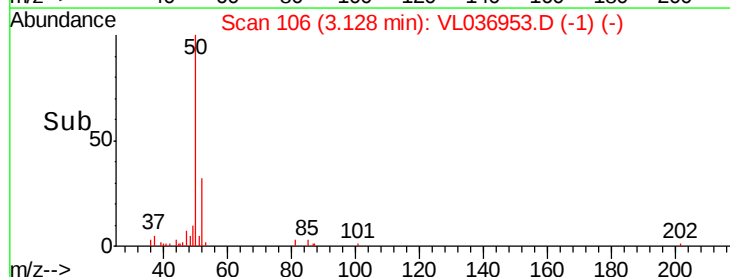
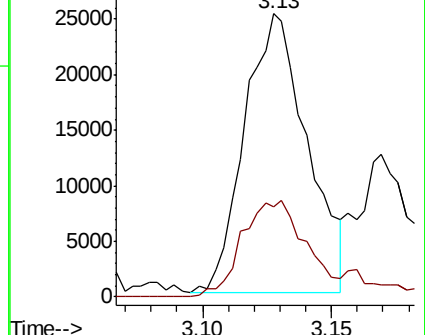
50 100

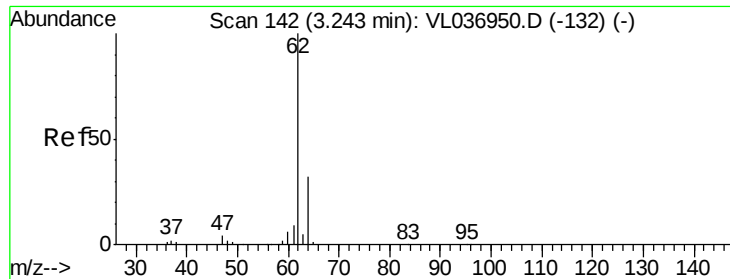
52 32.5 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.444 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

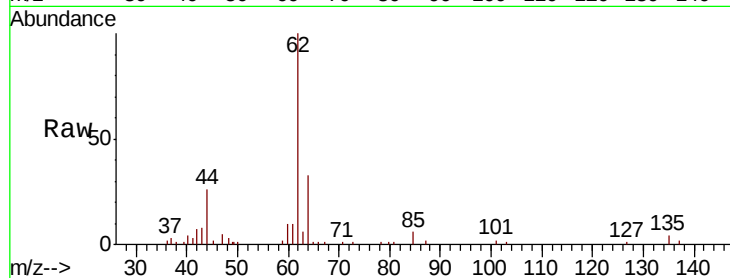
VSTDIC0.5

Tot Ion: 62 Resp: 42542

Ion Ratio Lower Upper

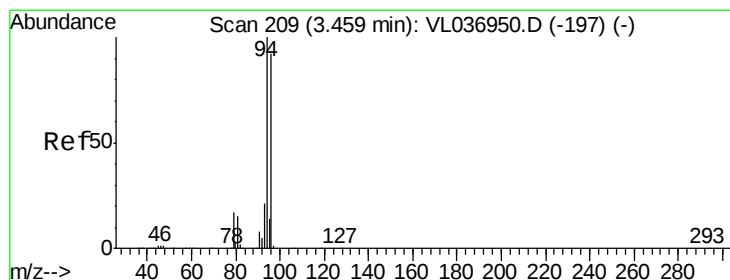
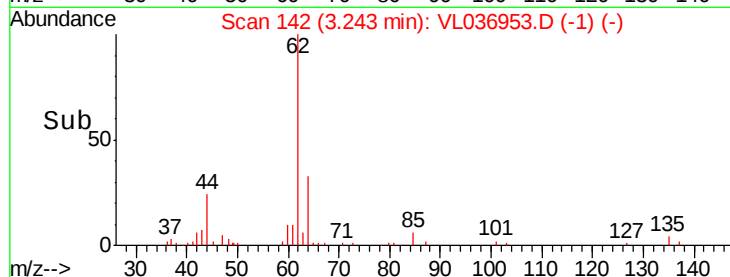
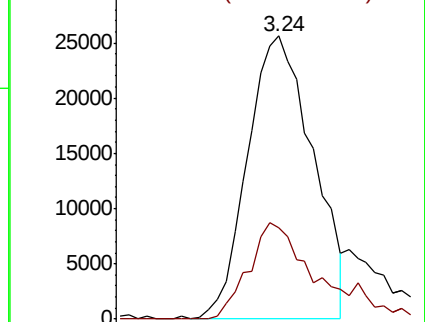
62 100

64 32.5 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.491 ppbv

RT: 3.46 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL036953.D

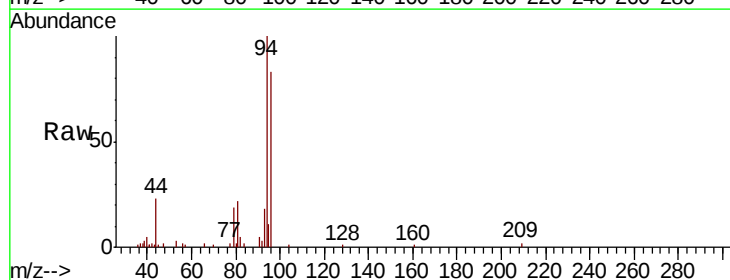
Acq: 18 May 2021 3:53

Tgt Ion: 94 Resp: 23729

Ion Ratio Lower Upper

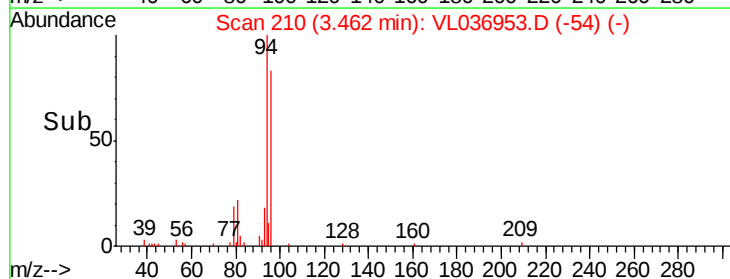
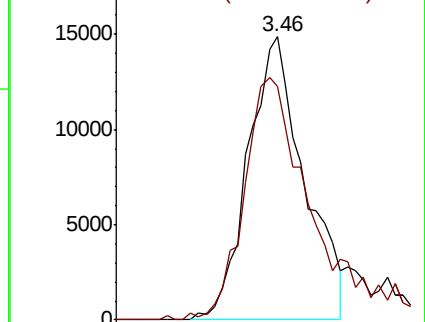
94 100

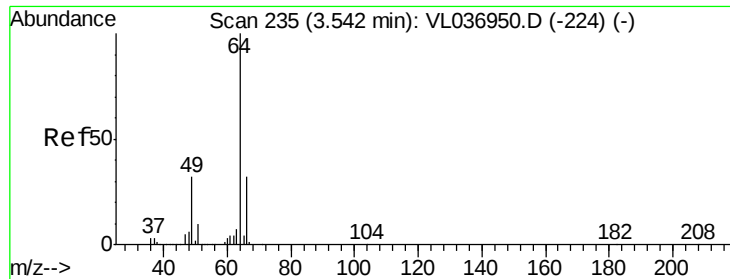
96 79.9 74.0 111.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.449 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

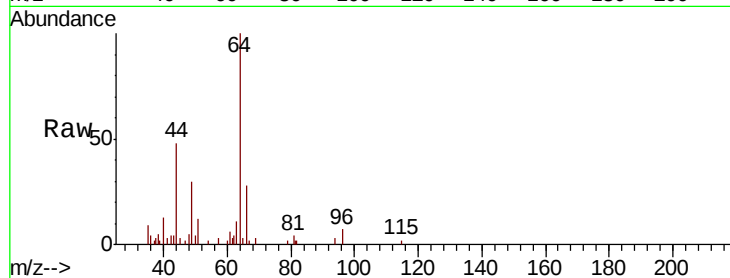
VSTDIC0.5

Tot Ion: 64 Resp: 13858

Ion Ratio Lower Upper

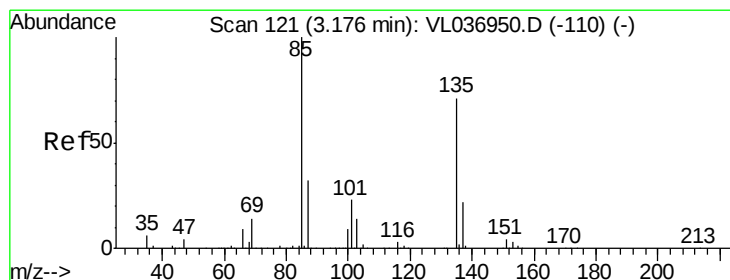
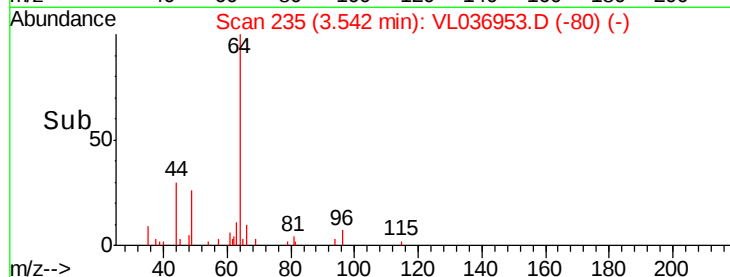
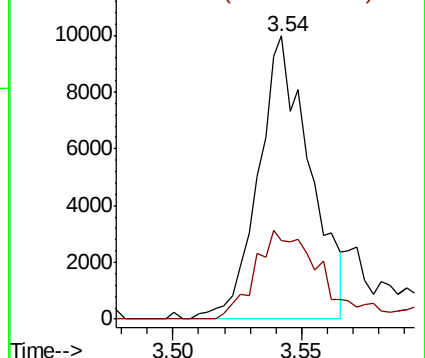
64 100

66 27.6 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: 0.515 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036953.D

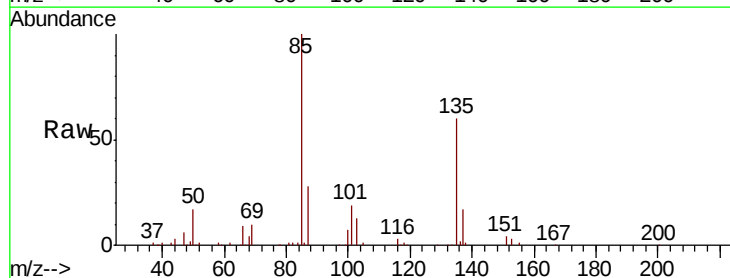
Acq: 18 May 2021 3:53

Tgt Ion: 85 Resp: 113359

Ion Ratio Lower Upper

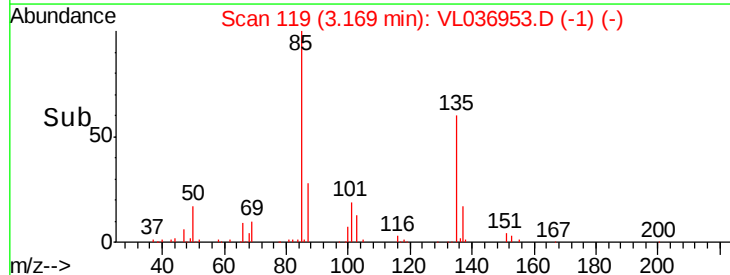
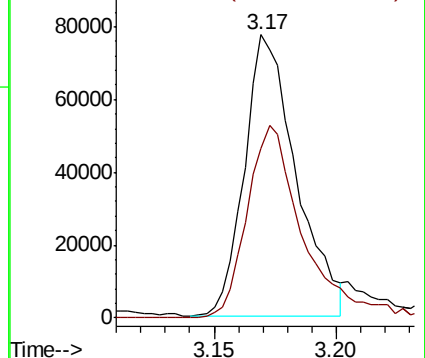
85 100

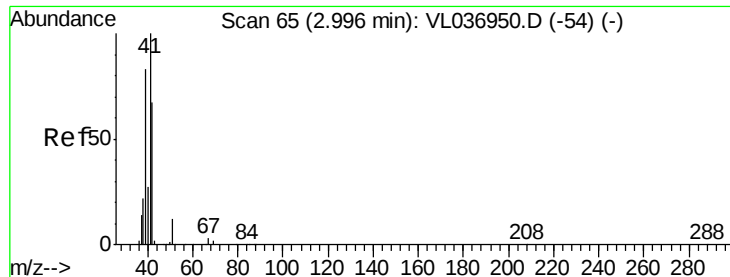
135 77.0 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.637 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

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ClientSampleId :

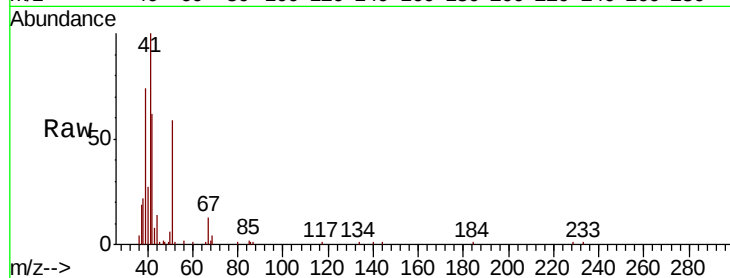
VSTDIC0.5

Tot Ion: 41 Resp: 48878

Ion Ratio Lower Upper

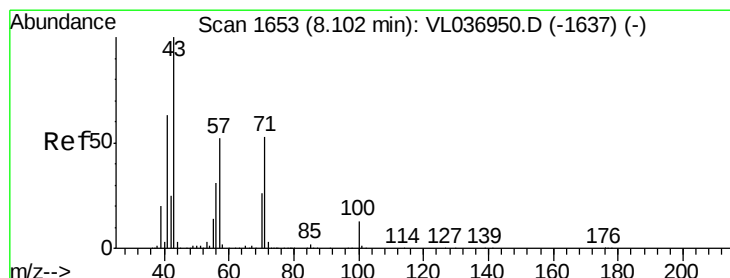
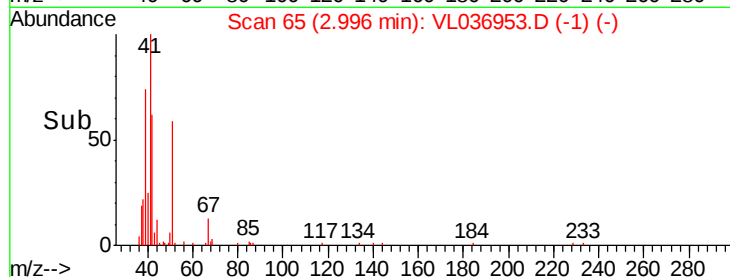
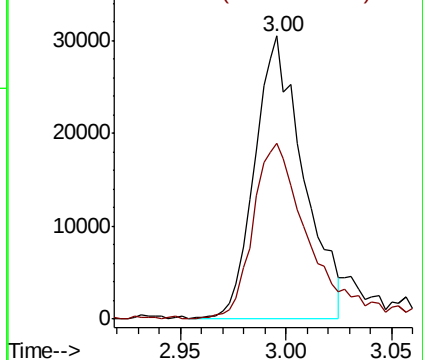
41 100

42 73.6 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.647 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL036953.D

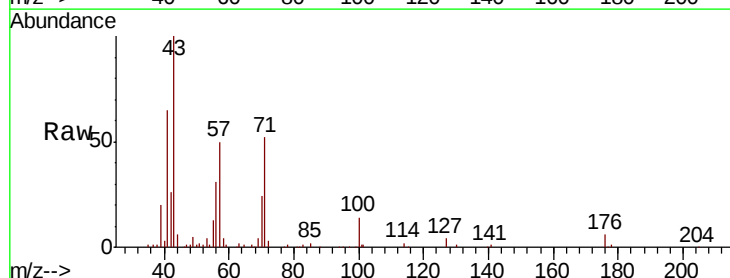
Acq: 18 May 2021 3:53

Tgt Ion: 43 Resp: 118203

Ion Ratio Lower Upper

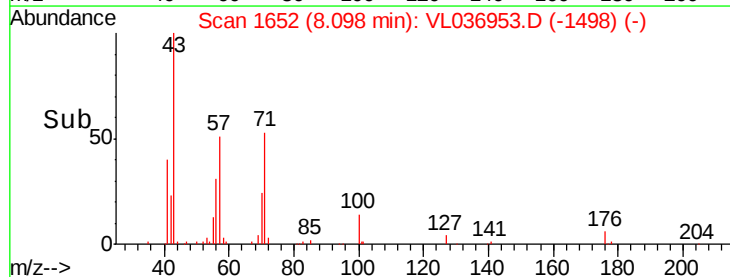
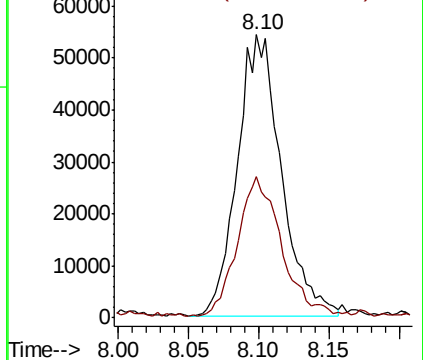
43 100

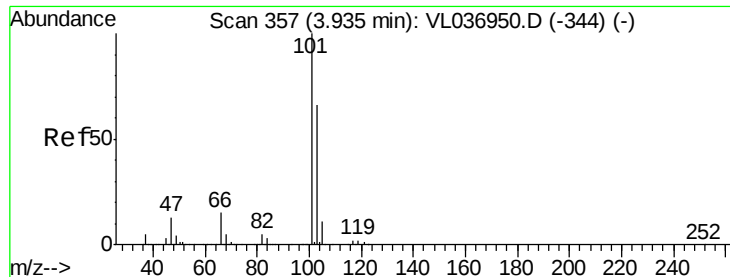
57 52.7 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

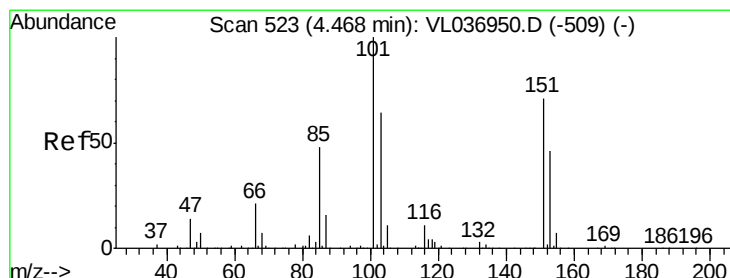
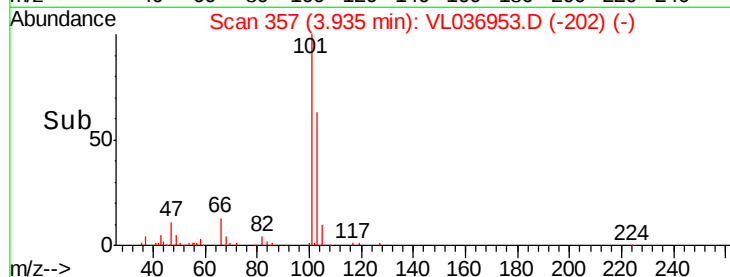
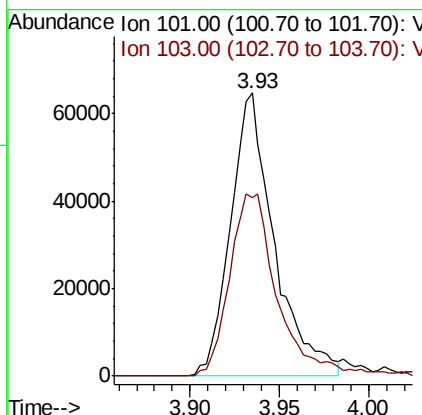
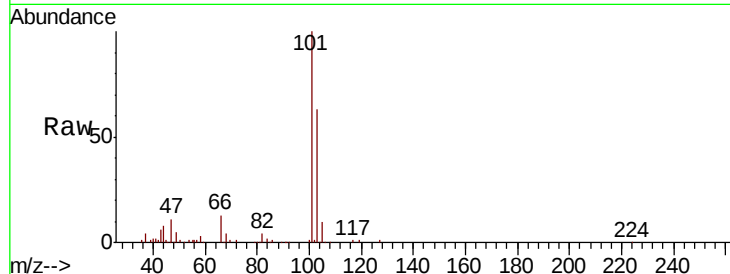




#11
 Trichlorofluoromethane
 Concen: 0.525 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

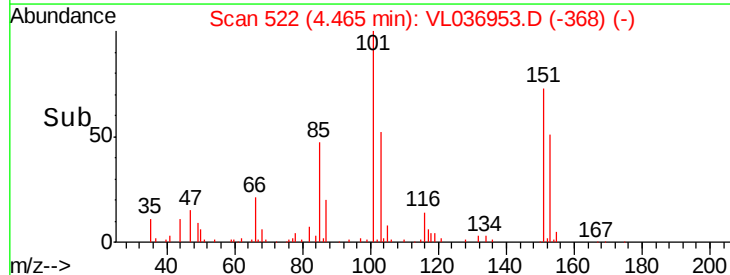
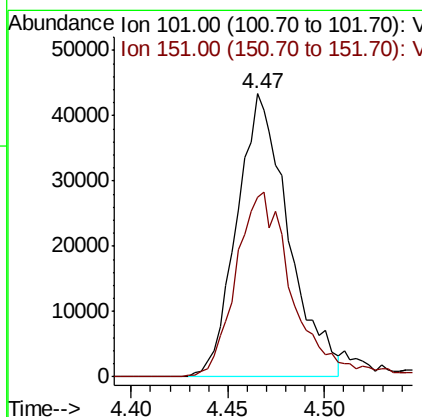
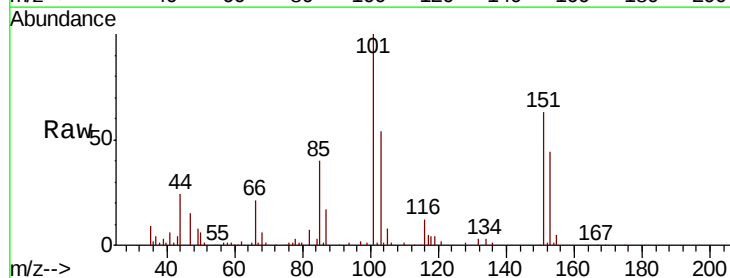
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

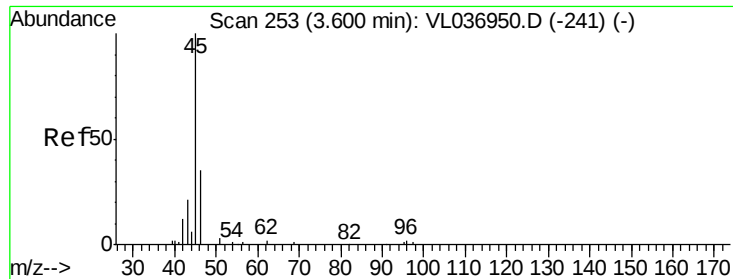
Tot Ion:101 Resp: 110327
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.567 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion:101 Resp: 80522
 Ion Ratio Lower Upper
 101 100
 151 72.5 57.7 86.5

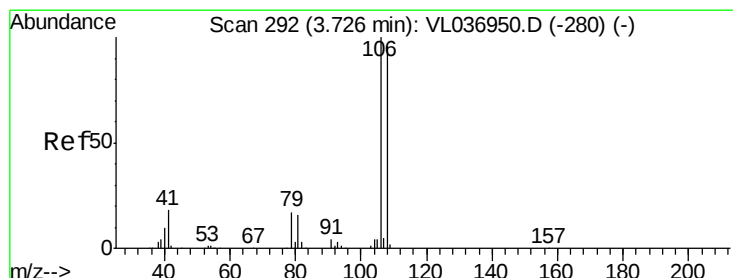
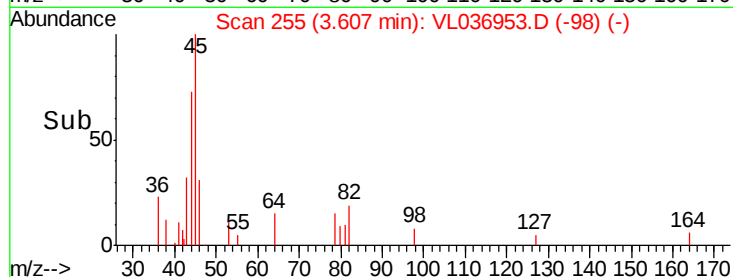
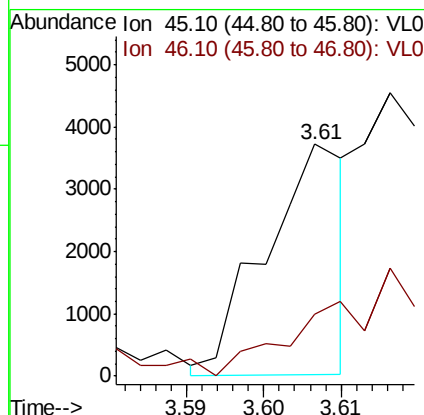
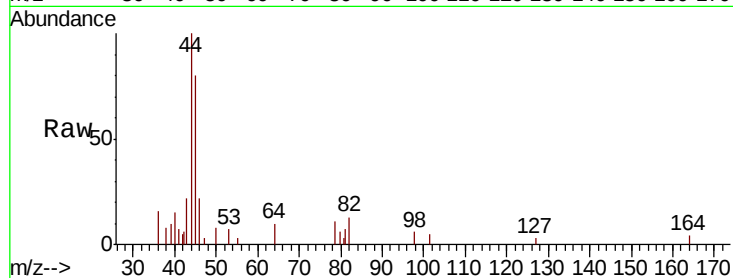




#13
Ethanol
Concen: 0.182 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

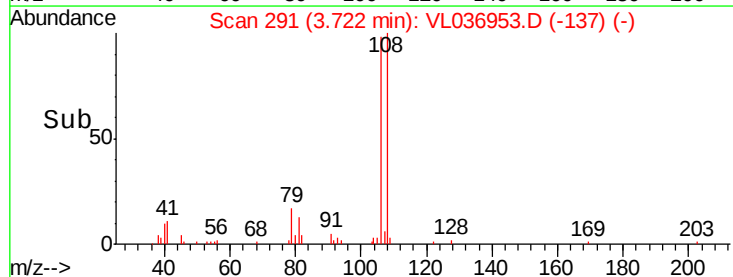
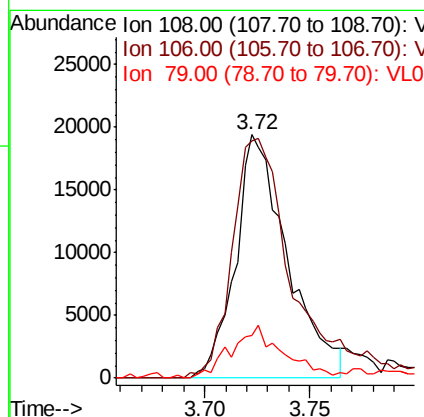
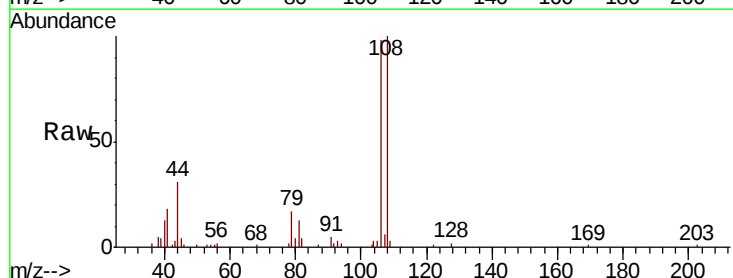
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

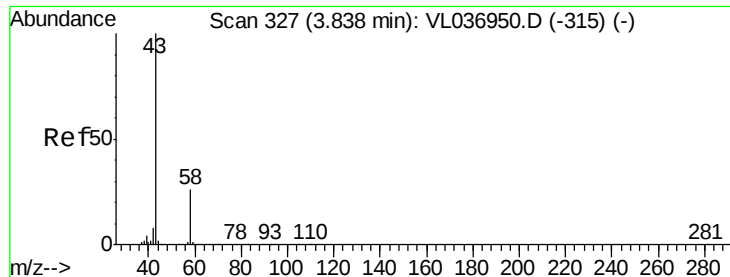
Tot Ion: 45 Resp: 2654
Ion Ratio Lower Upper
45 100
46 0.0 16.3 65.3#



#14
Bromoethene
Concen: 0.584 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 108 Resp: 33270
Ion Ratio Lower Upper
108 100
106 119.6 86.5 129.7
79 23.7 15.0 22.4#





#15

Acetone

Concen: 0.215 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

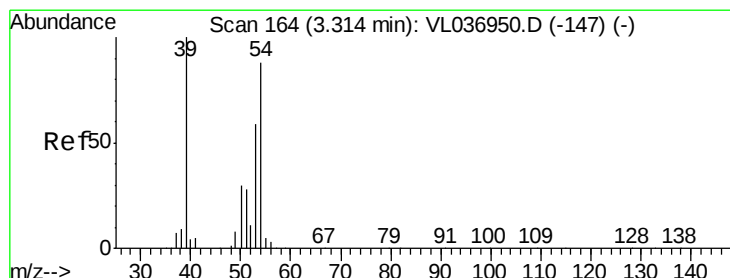
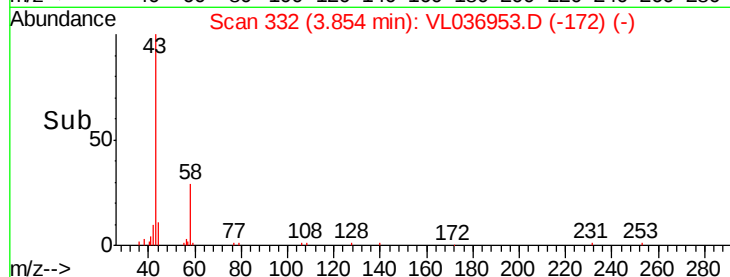
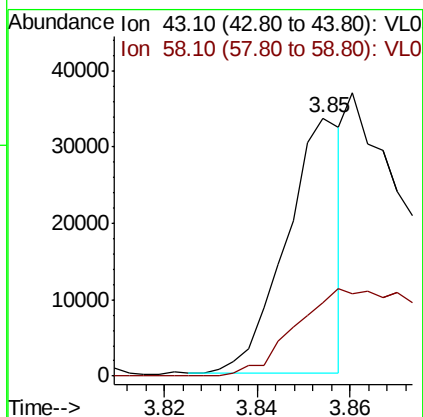
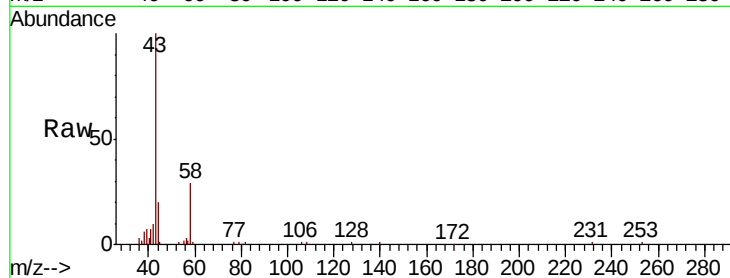
VSTDIC0.5

Tot Ion: 43 Resp: 27695

Ion Ratio Lower Upper

43 100

58 0.0 24.0 36.0#



#16

1,3-Butadiene

Concen: 0.557 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.00 min

Lab File: VL036953.D

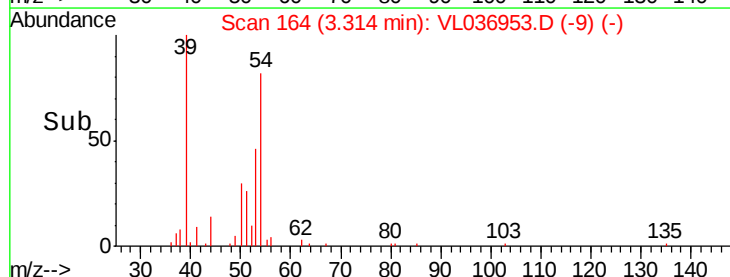
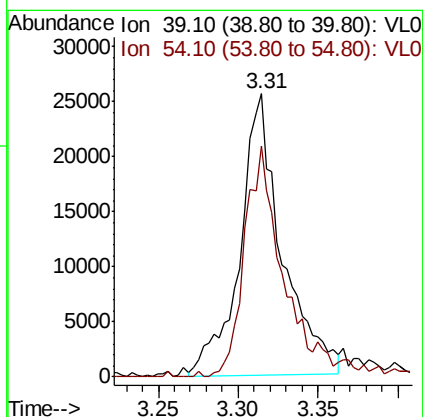
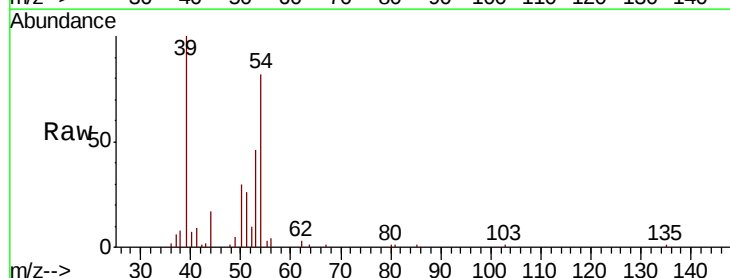
Acq: 18 May 2021 3:53

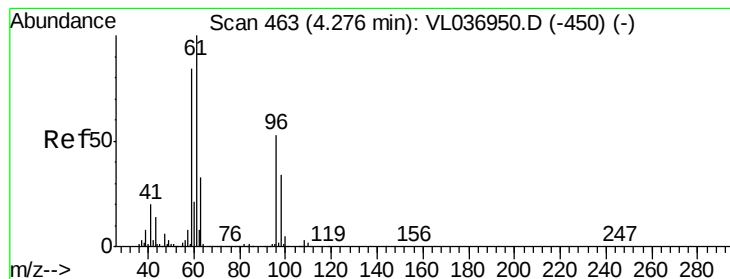
Tgt Ion: 39 Resp: 46299

Ion Ratio Lower Upper

39 100

54 79.3 63.2 94.8



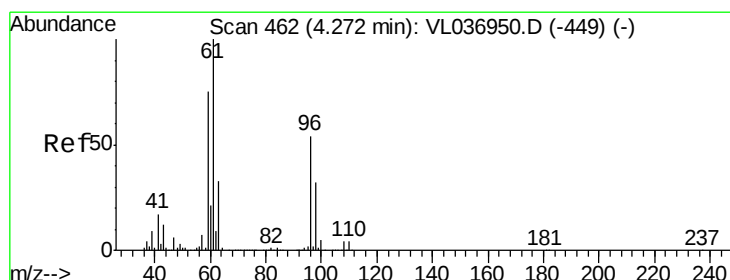
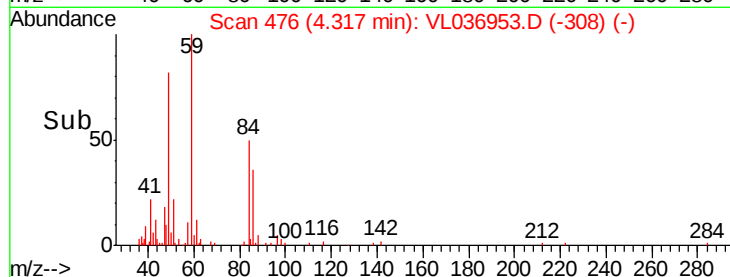
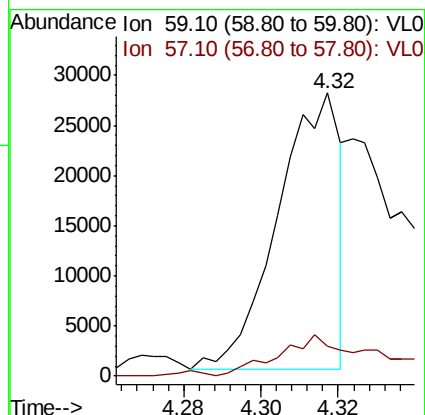
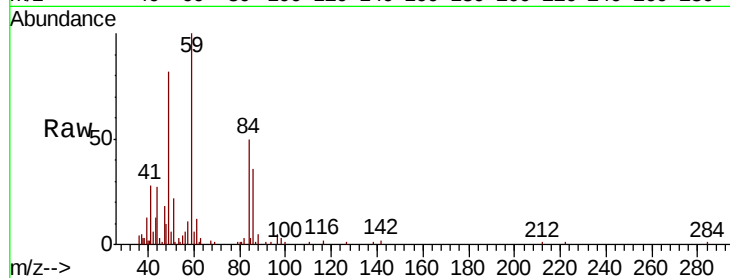


#17

tert-Butyl alcohol
 Concen: 0.260 ppbv
 RT: 4.32 min Scan# 476
 Delta R.T. 0.04 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

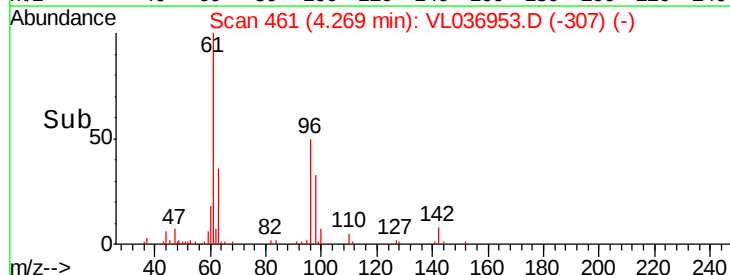
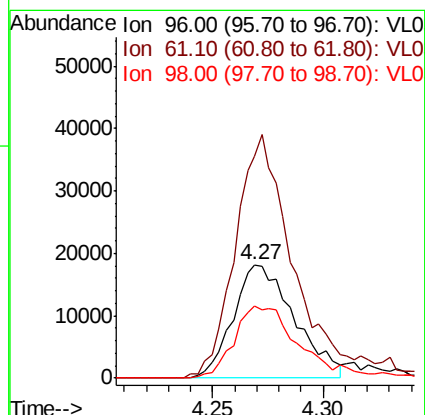
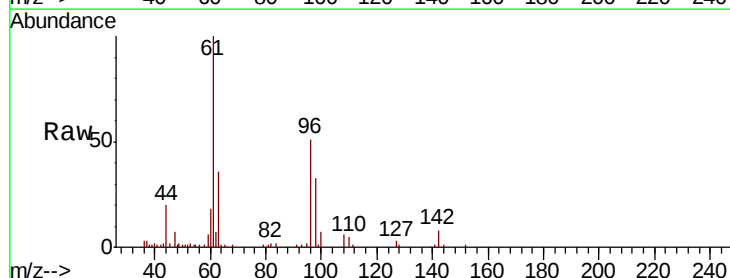
Tot Ion: 59 Resp: 30922
 Ion Ratio Lower Upper
 59 100
 57 33.6 8.3 12.5#

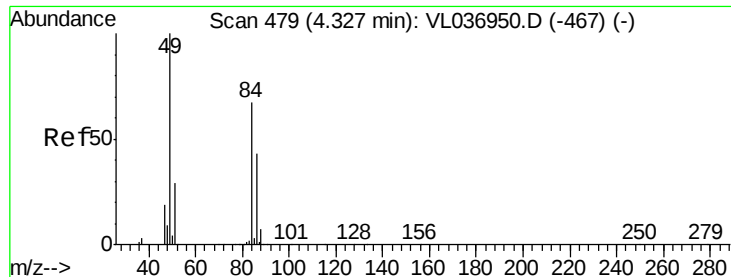


#18

1,1-Dichloroethene
 Concen: 0.600 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion: 96 Resp: 35002
 Ion Ratio Lower Upper
 96 100
 61 190.8 148.2 222.4
 98 63.5 47.8 71.6

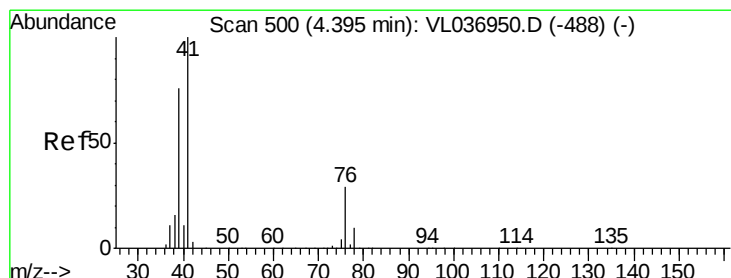
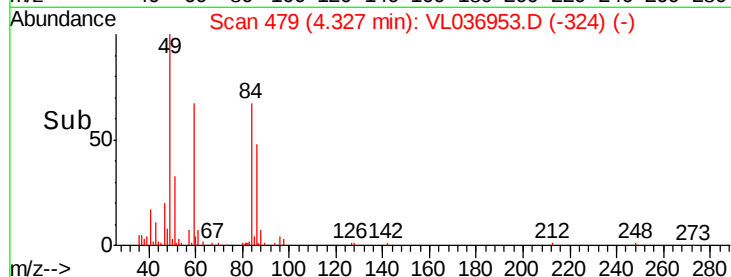
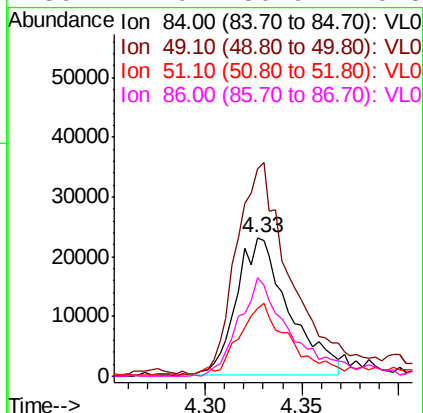
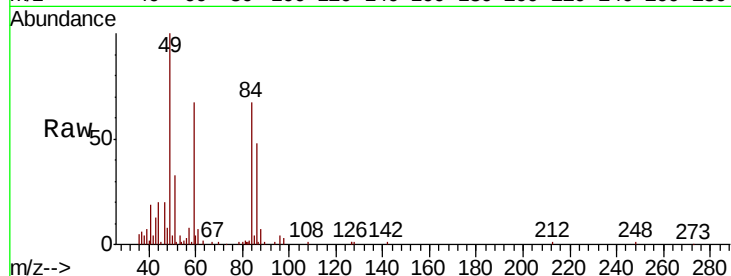




#20
Methylene Chloride
Concen: 0.415 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

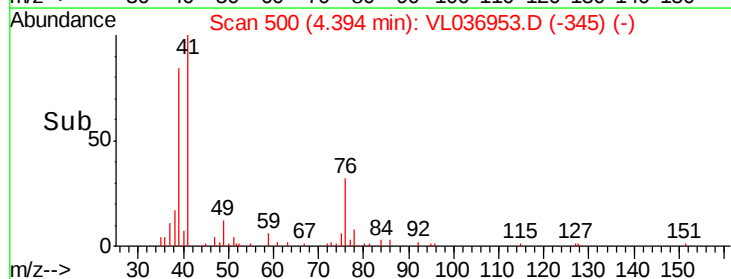
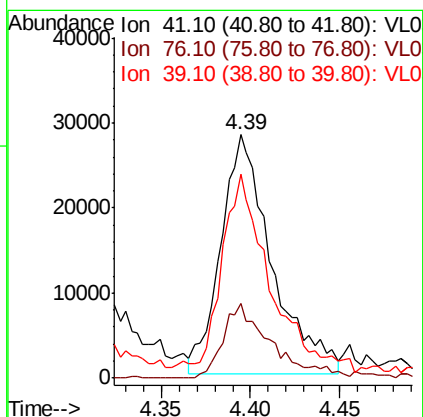
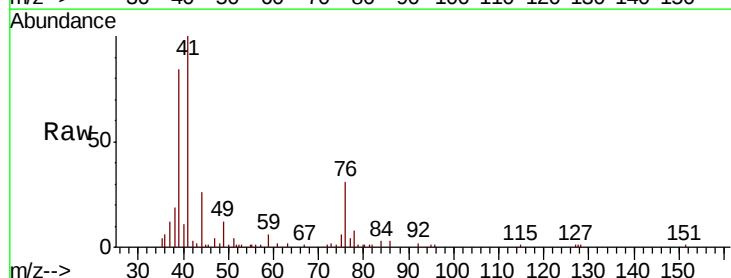
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

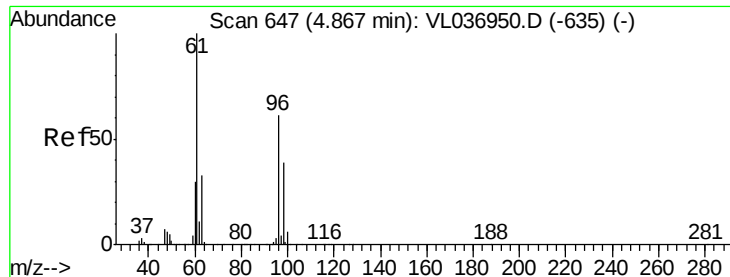
Tot Ion:	84	Resp:	43606
Ion	Ratio	Lower	Upper
84	100		
49	148.6	119.8	179.6
51	47.0	35.1	52.7
86	72.0	50.9	76.3



#21
Allyl Chloride
Concen: 0.592 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion:	41	Resp:	55986
Ion	Ratio	Lower	Upper
41	100		
76	29.0	24.9	37.3
39	84.2	63.7	95.5





#22

trans-1,2-Dichloroethene

Concen: 0.502 ppbv

RT: 4.87 min Scan# 648

Delta R.T. 0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

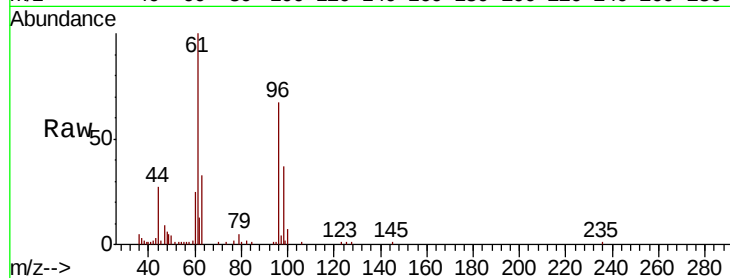
Tot Ion: 96 Resp: 30040

Ion Ratio Lower Upper

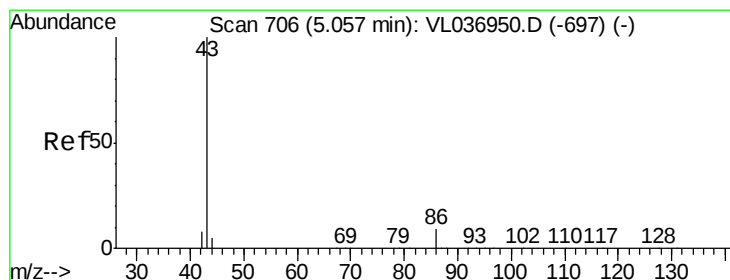
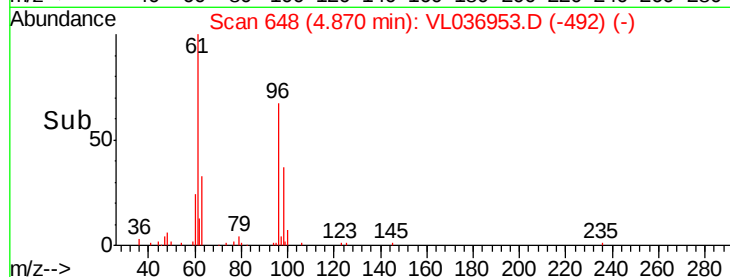
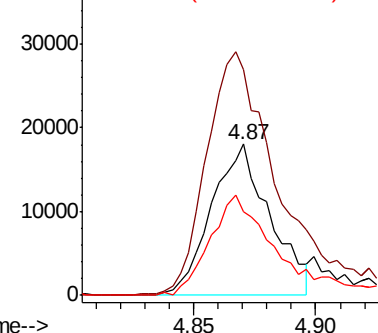
96 100

61 148.2 130.6 196.0

98 55.4 50.8 76.2



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



#23

Vinyl Acetate

Concen: 0.196 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion: 43 Resp: 35908

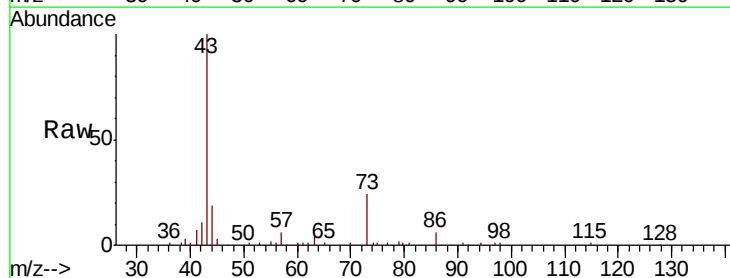
Ion Ratio Lower Upper

43 100

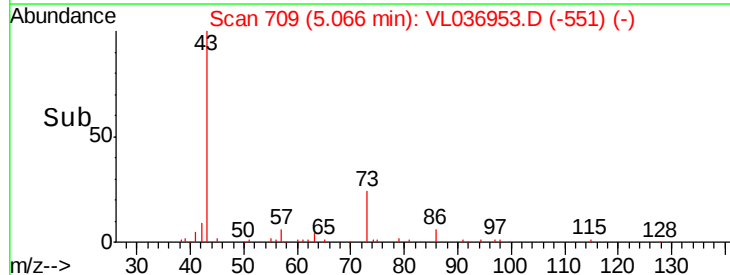
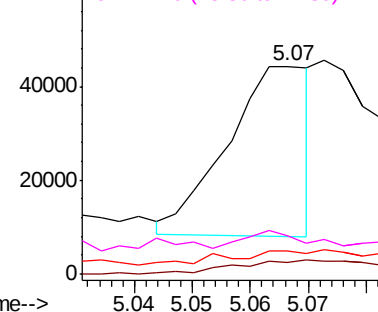
86 7.5 5.8 8.8

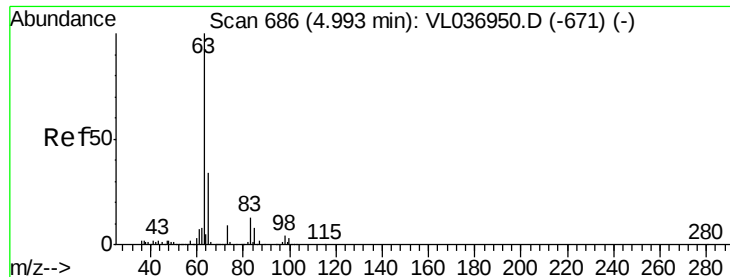
42 7.4 7.4 11.2#

44 5.4 3.3 4.9#



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: 0.560 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

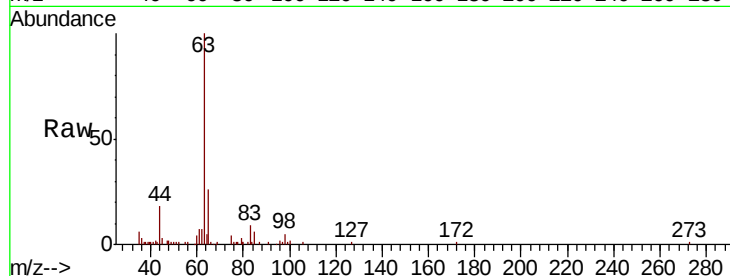
Tot Ion: 63 Resp: 77766

Ion Ratio Lower Upper

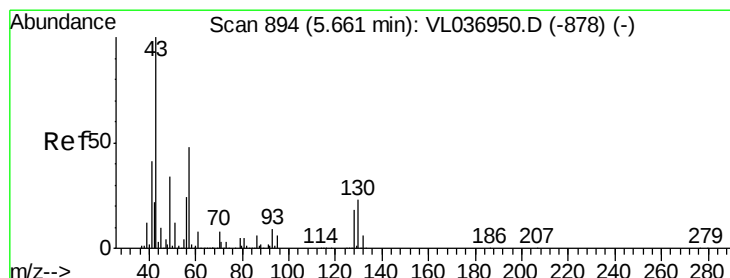
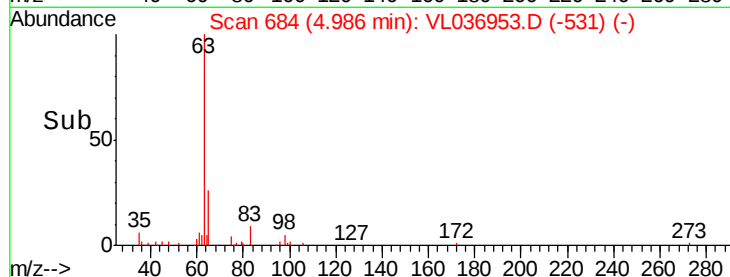
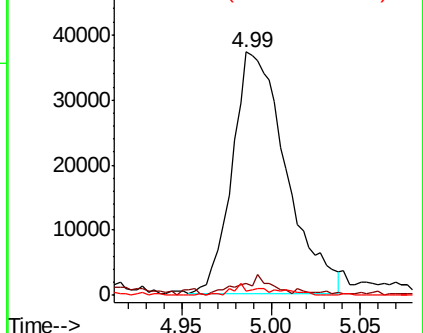
63 100

98 3.8 2.3 6.9

100 1.7 1.4 4.0



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: 0.558 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion: 43 Resp: 177244

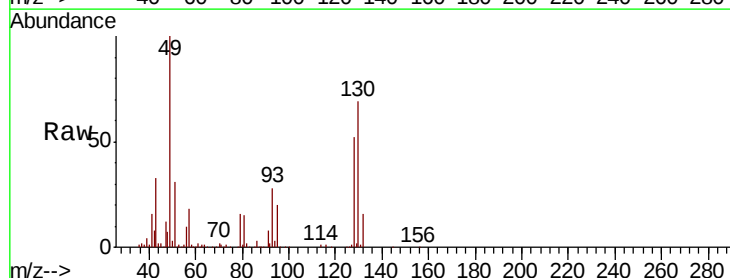
Ion Ratio Lower Upper

43 100

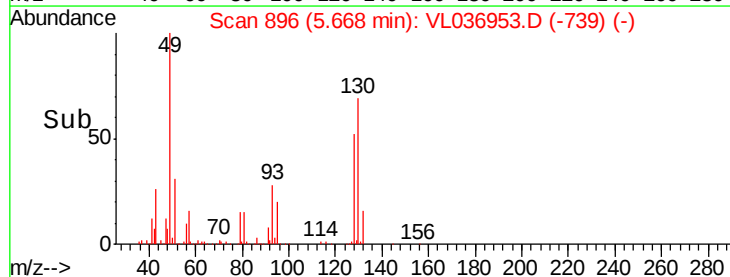
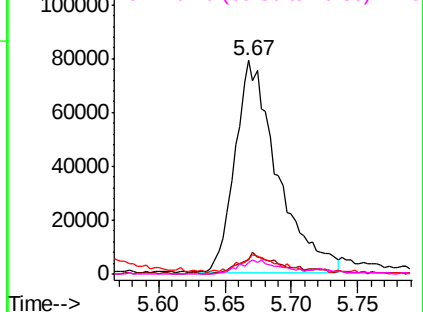
45 10.9 7.8 11.8

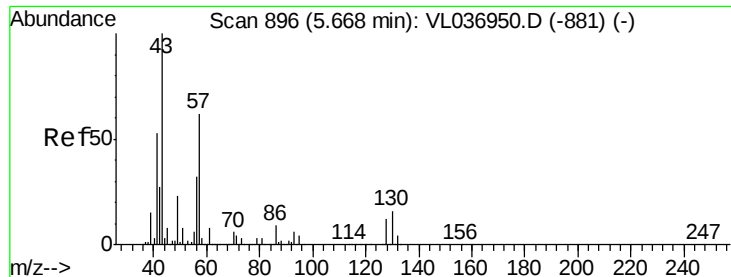
61 8.1 7.8 11.8

70 8.3 5.6 8.4



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: 0.238 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 57 Resp: 38744

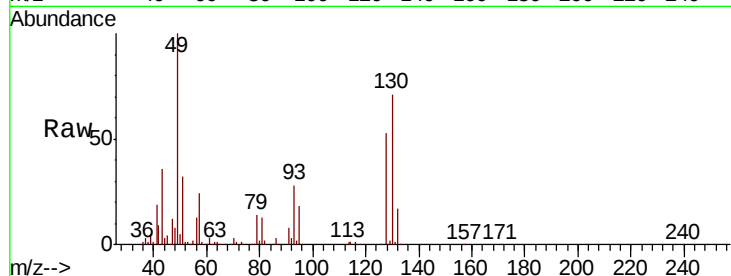
Ion Ratio Lower Upper

57 100

41 228.9 70.5 105.7#

43 477.8 165.8 248.8#

56 133.7 42.2 63.4#



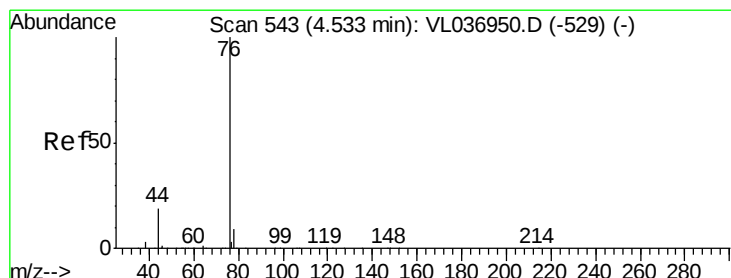
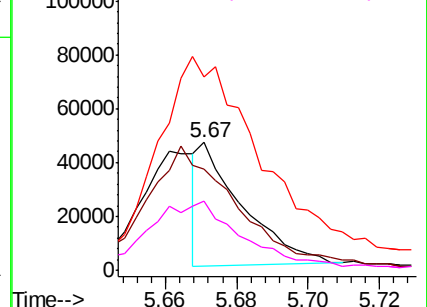
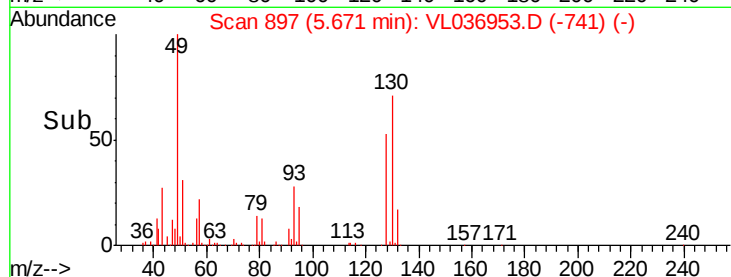
Abundance

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: 0.587 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

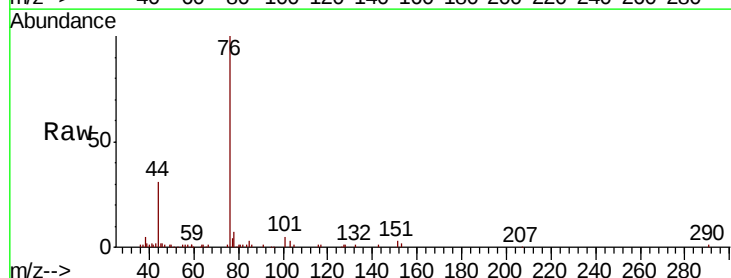
Tgt Ion: 76 Resp: 84830

Ion Ratio Lower Upper

76 100

44 23.2 15.5 23.3

78 10.5 7.8 11.6

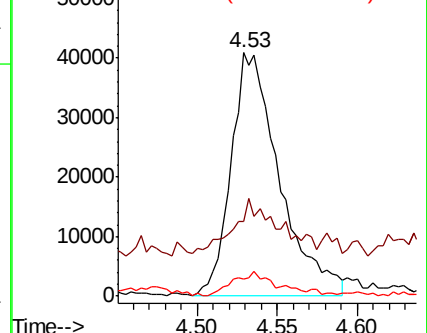
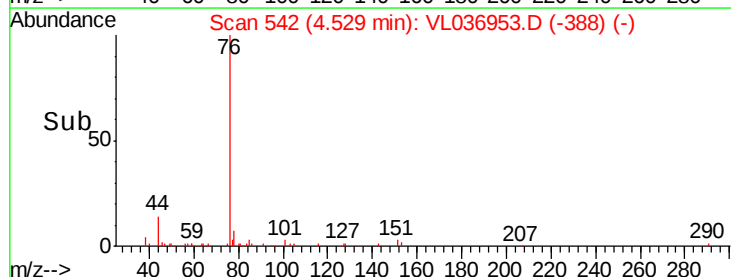


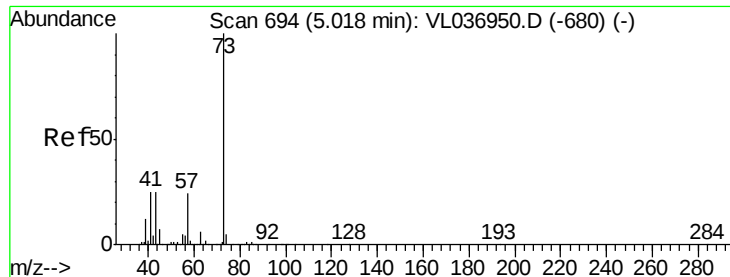
Abundance

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

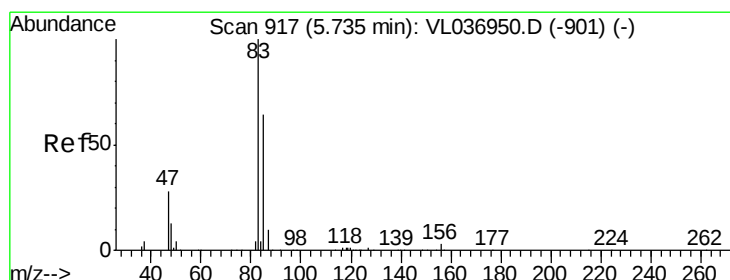
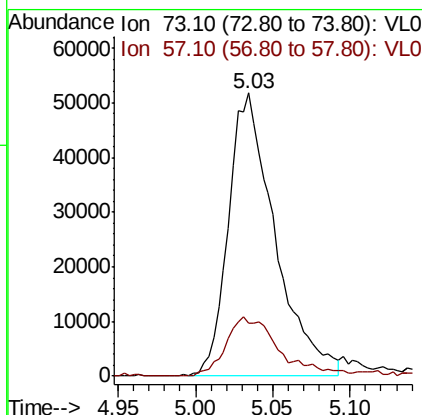
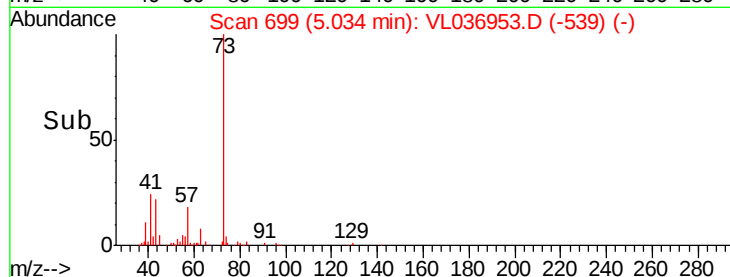
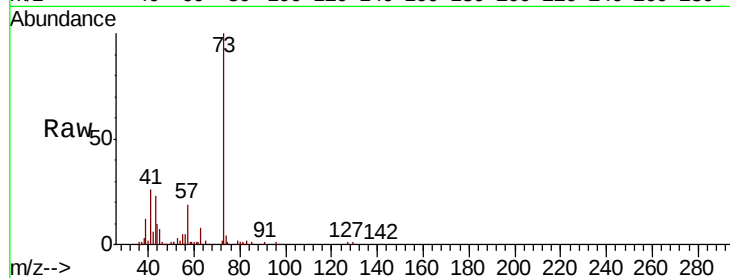




#28
Methvl tert-Butvl Ether
Concen: 0.688 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.02 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

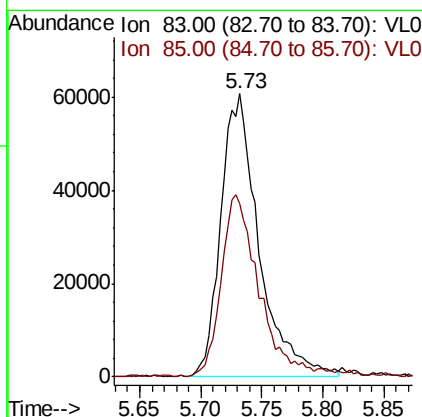
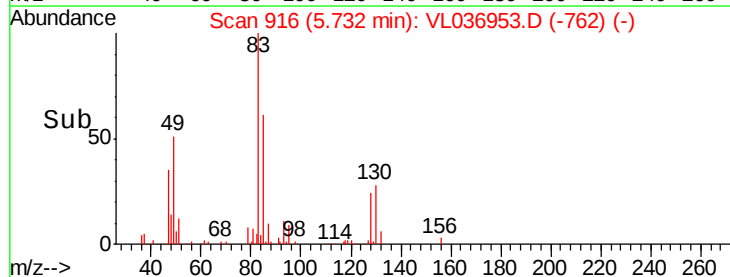
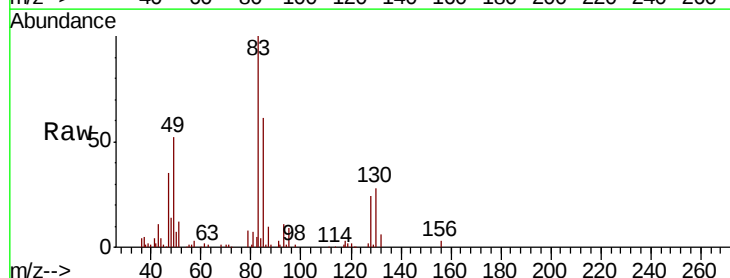
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

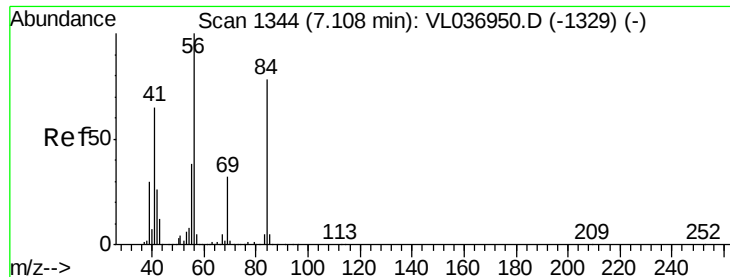
Tot Ion: 73 Resp: 108372
Ion Ratio Lower Upper
73 100
57 23.8 18.3 27.5



#29
Chloroform
Concen: 0.544 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 83 Resp: 133020
Ion Ratio Lower Upper
83 100
85 61.3 51.1 76.7

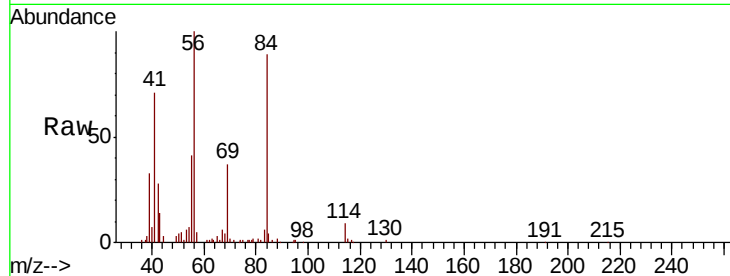




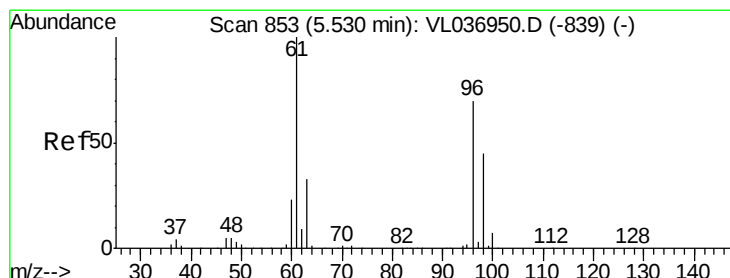
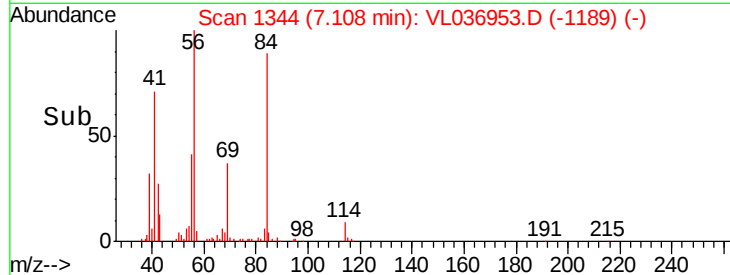
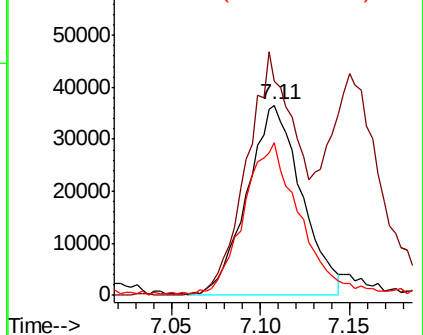
#30
Cvclohexane
Concen: 0.626 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 84 Resp: 78136
Ion Ratio Lower Upper
84 100
56 116.1 107.9 161.9
41 87.3 65.5 98.3

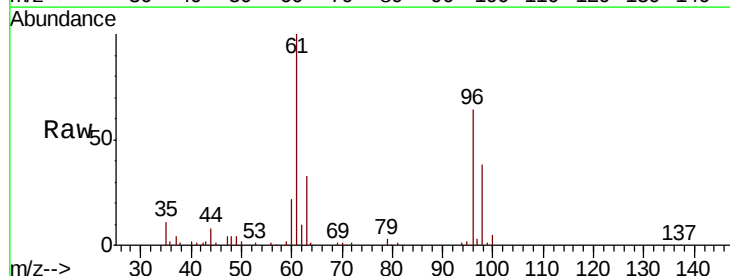


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

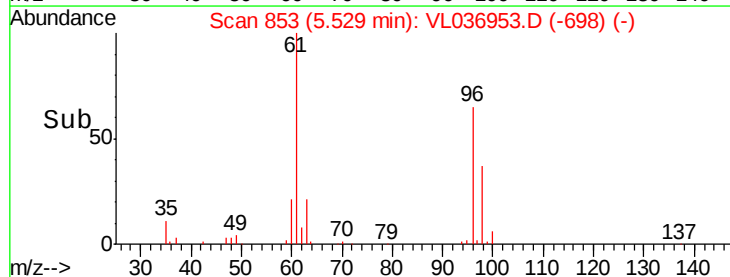
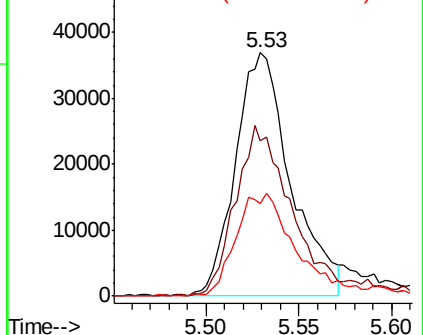


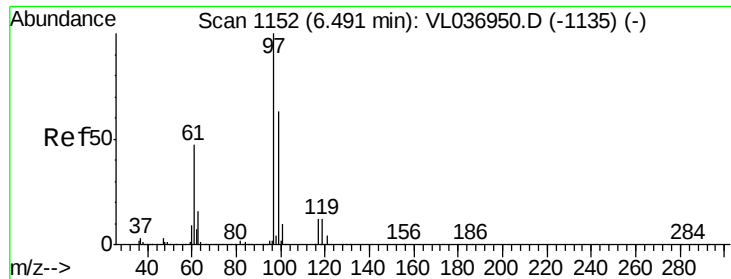
#31
cis-1,2-Dichloroethene
Concen: 0.601 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 61 Resp: 76829
Ion Ratio Lower Upper
61 100
96 63.7 55.9 83.9
98 38.0 35.6 53.4



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0

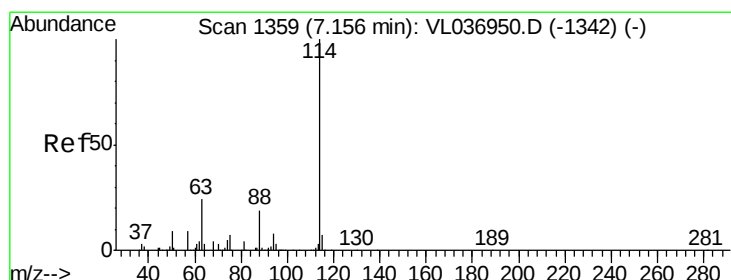
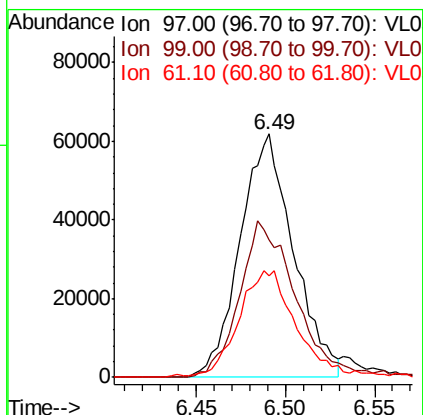
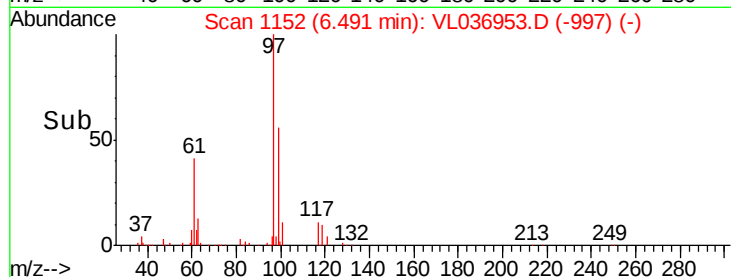
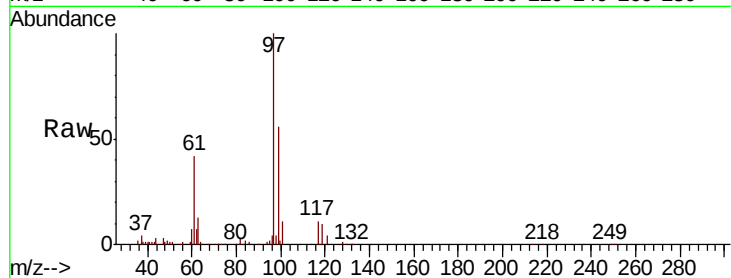




#32
 1,1,1-Trichloroethane
 Concen: 0.497 ppbv
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

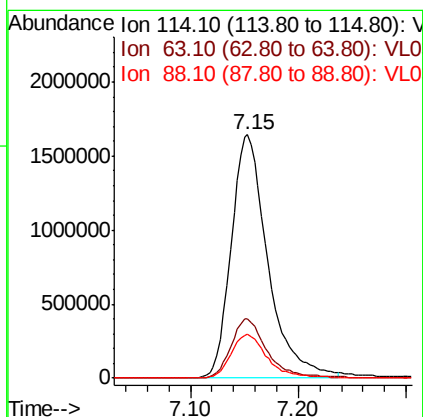
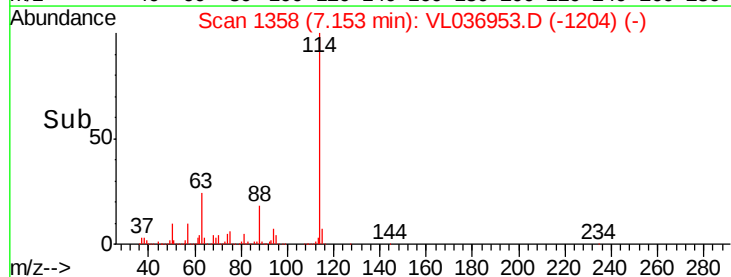
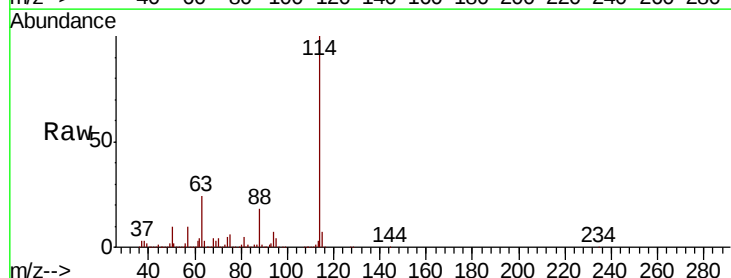
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

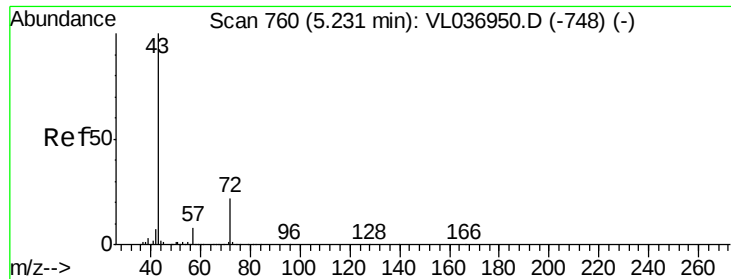
Tot Ion: 97 Resp: 129720
 Ion Ratio Lower Upper
 97 100
 99 68.1 51.9 77.9
 61 47.7 37.6 56.4



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion: 114 Resp: 3888919
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 18.2 14.6 21.8

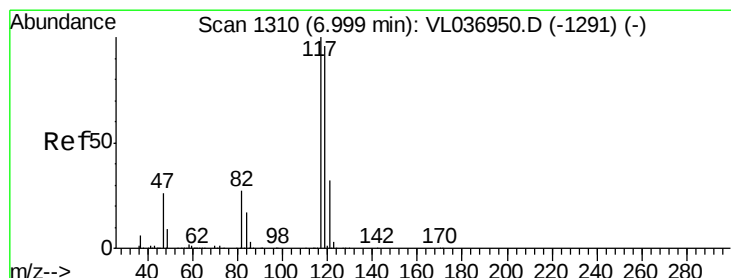
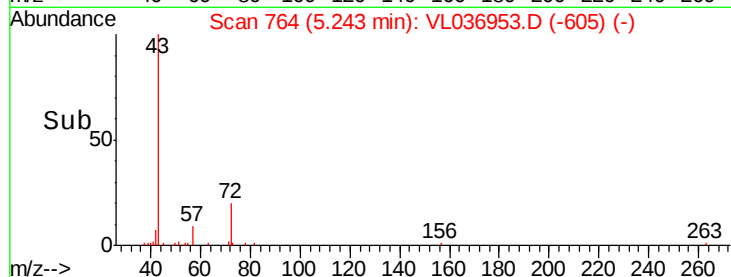
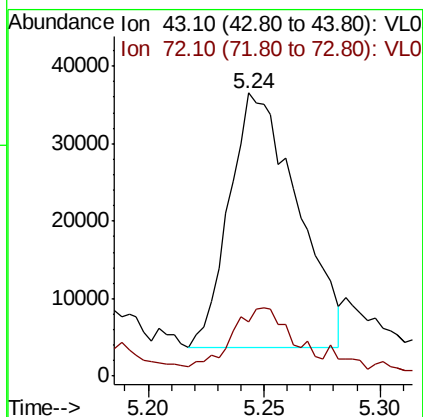
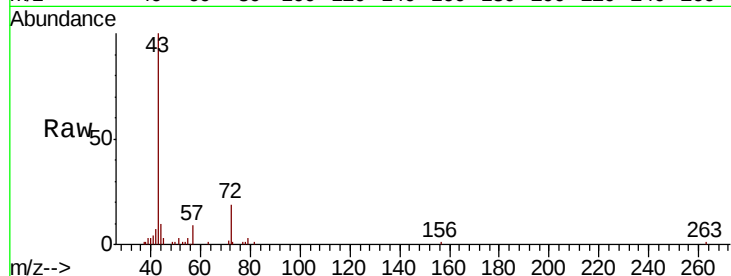




#34
 2-Butanone
 Concen: 0.451 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

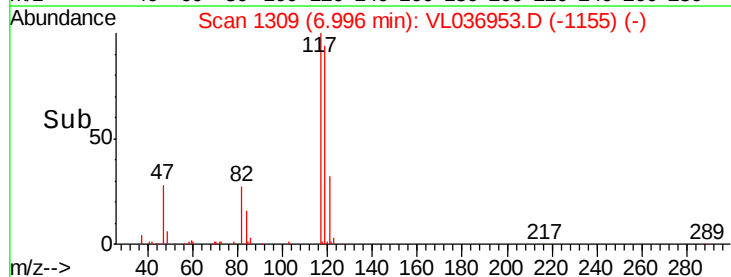
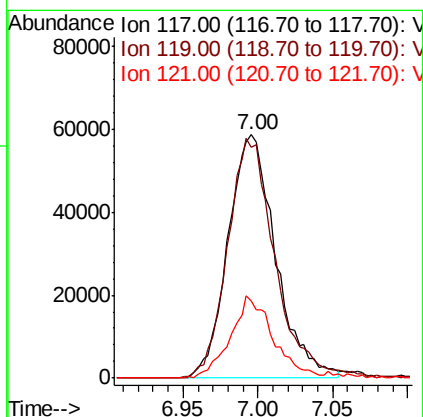
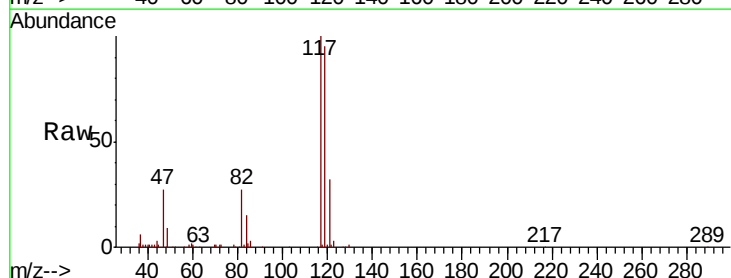
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

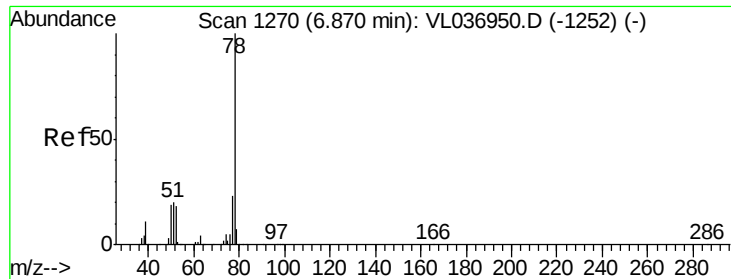
Tot Ion: 43 Resp: 67011
 Ion Ratio Lower Upper
 43 100
 72 35.5 19.0 28.4#



#35
 Carbon Tetrachloride
 Concen: 0.428 ppbv
 RT: 7.00 min Scan# 1309
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion: 117 Resp: 130089
 Ion Ratio Lower Upper
 117 100
 119 93.9 76.6 114.8
 121 31.5 25.8 38.6





#36

Benzene

Concen: 0.574 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

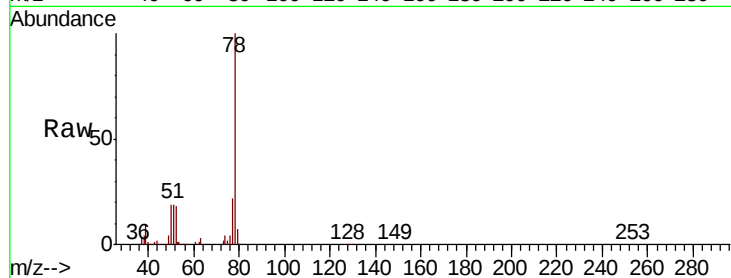
Tot Ion: 78 Resp: 179434

Ion Ratio Lower Upper

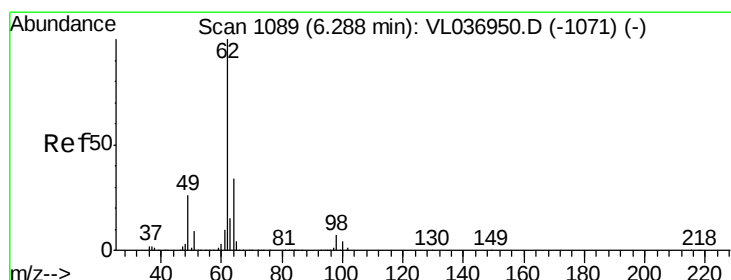
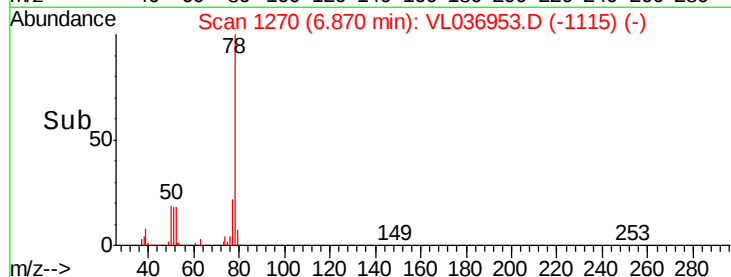
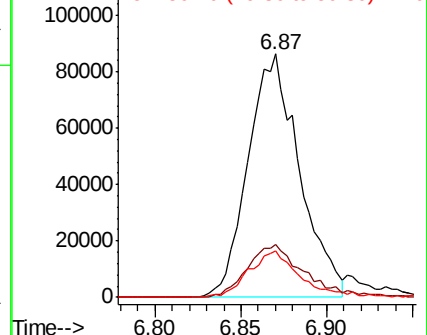
78 100

77 21.5 18.6 28.0

50 19.1 15.0 22.4



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: 0.229 ppbv

RT: 6.28 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VL036953.D

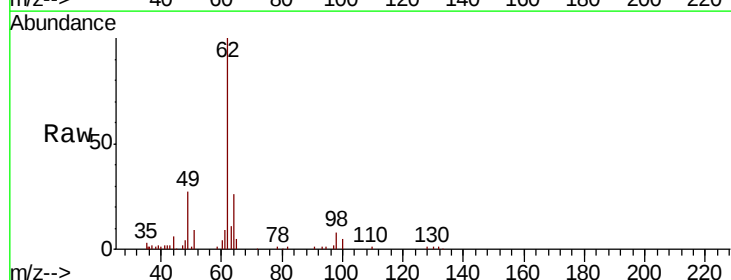
Acq: 18 May 2021 3:53

Tgt Ion: 62 Resp: 42348

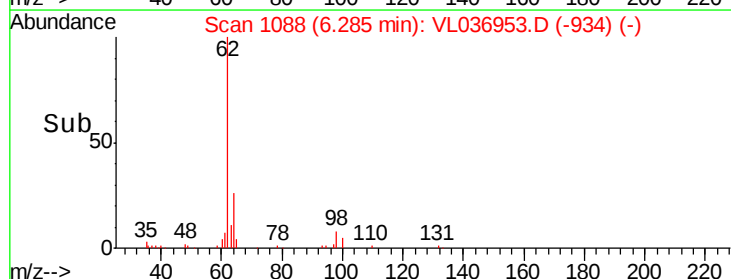
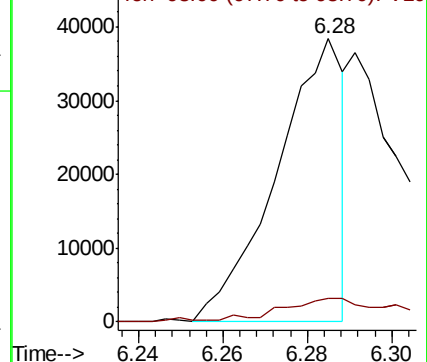
Ion Ratio Lower Upper

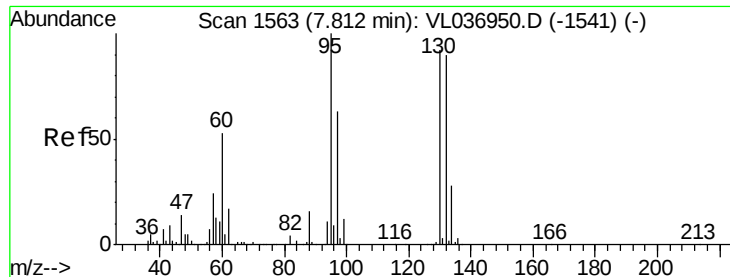
62 100

98 0.0 5.5 8.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.550 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:130 Resp: 70441

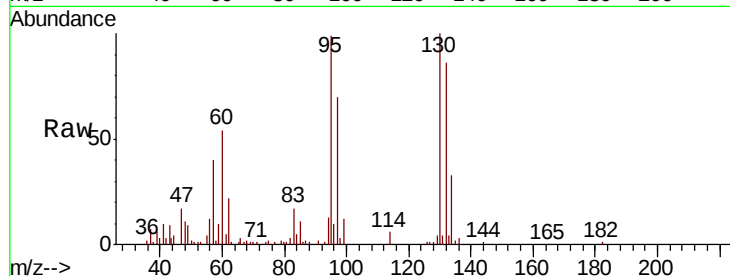
Ion Ratio Lower Upper

130 100

95 102.8 86.9 130.3

132 90.1 78.4 117.6

97 73.7 55.0 82.6

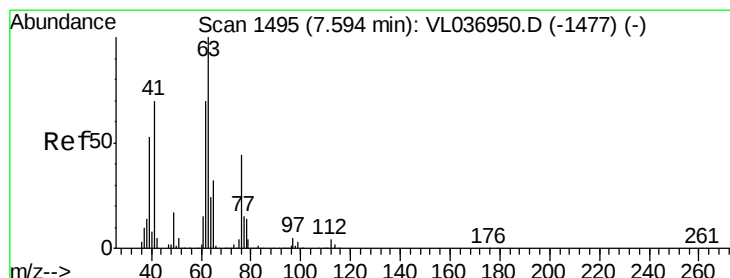
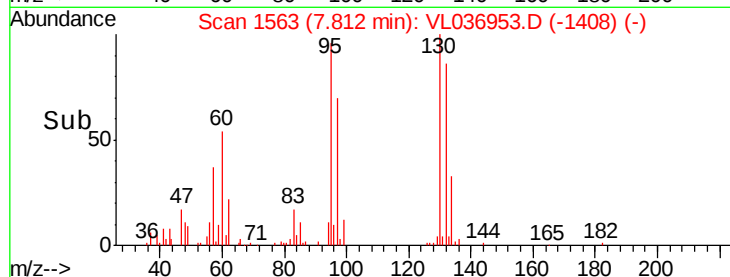
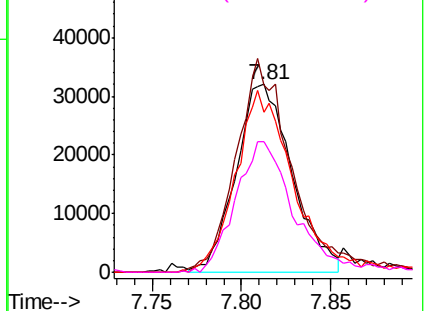


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.534 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

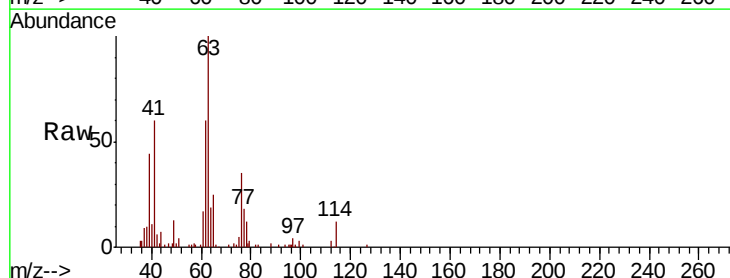
Tgt Ion: 63 Resp: 68334

Ion Ratio Lower Upper

63 100

41 54.7 55.7 83.5#

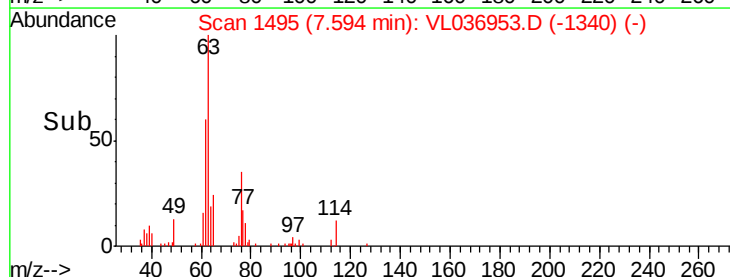
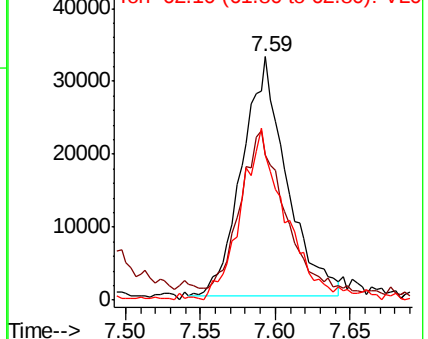
62 59.4 56.2 84.4

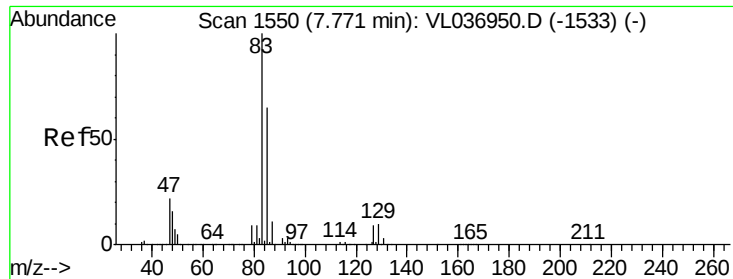


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#42

Bromodichloromethane

Concen: 0.466 ppbv

RT: 7.76 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

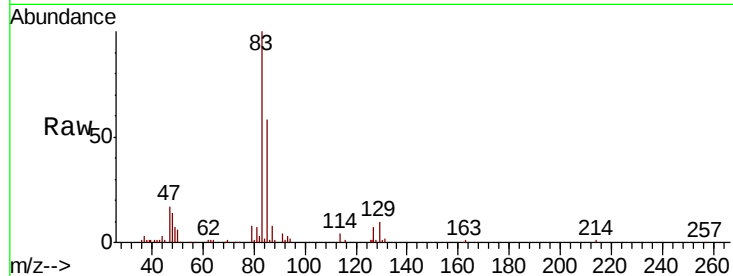
Tot Ion: 83 Resp: 127280

Ion Ratio Lower Upper

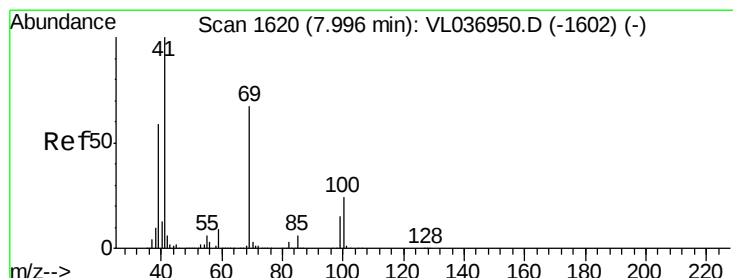
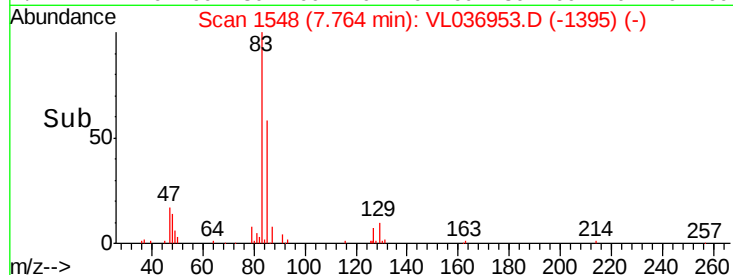
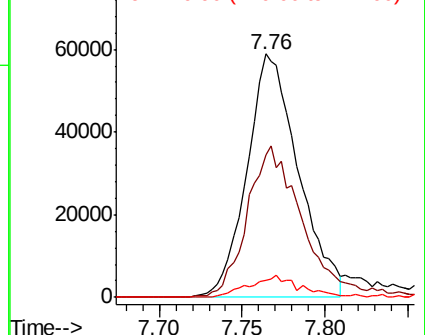
83 100

85 58.3 51.7 77.5

127 7.0 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: 0.307 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

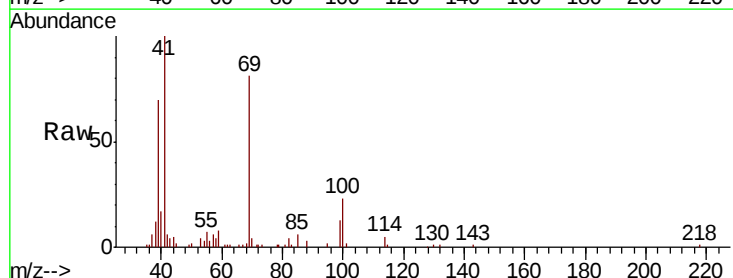
Tgt Ion: 69 Resp: 27877

Ion Ratio Lower Upper

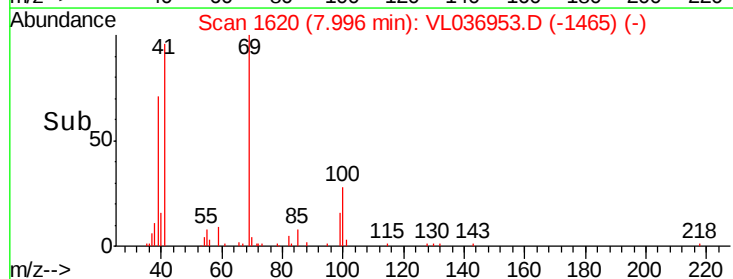
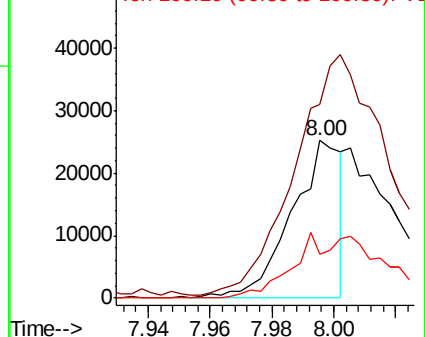
69 100

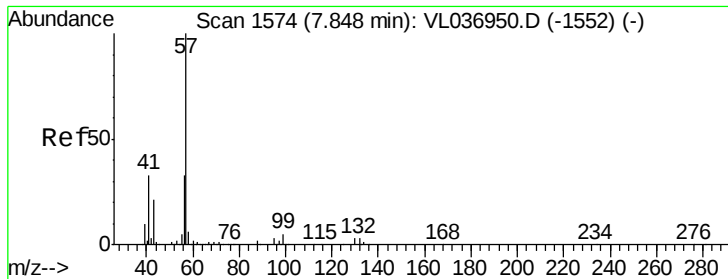
41 0.0 118.6 178.0#

100 81.0 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: 0.581 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

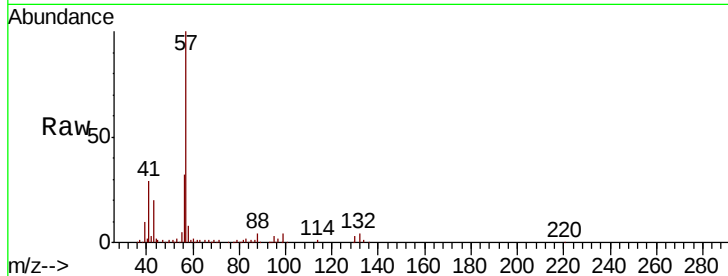
Tot Ion: 57 Resp: 322743

Ion Ratio Lower Upper

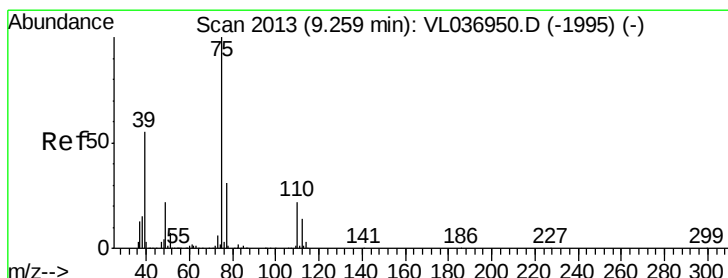
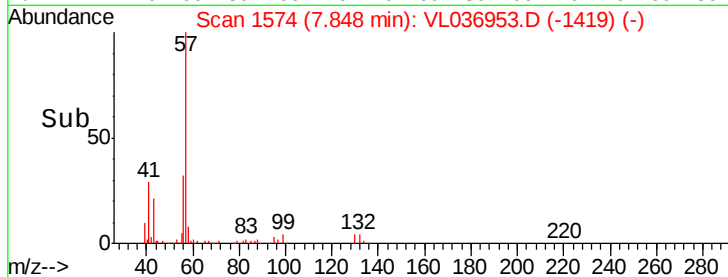
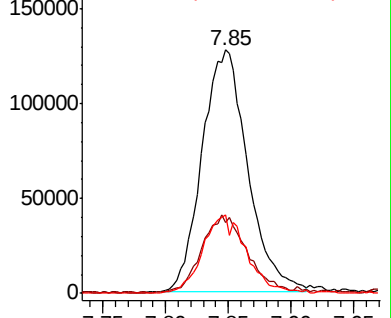
57 100

41 32.6 27.0 40.4

56 31.7 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: 0.233 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL036953.D

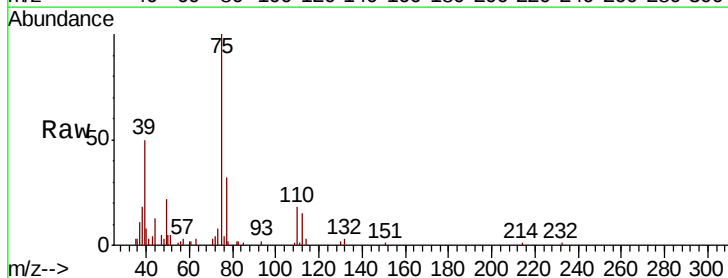
Acq: 18 May 2021 3:53

Tgt Ion: 75 Resp: 19096

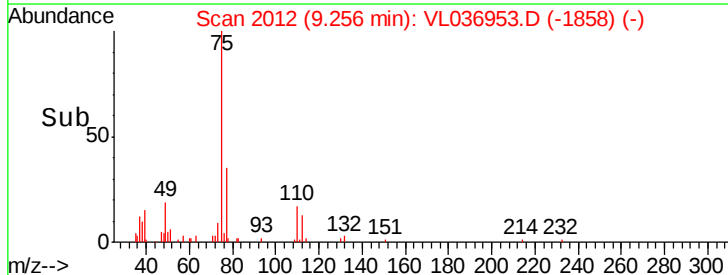
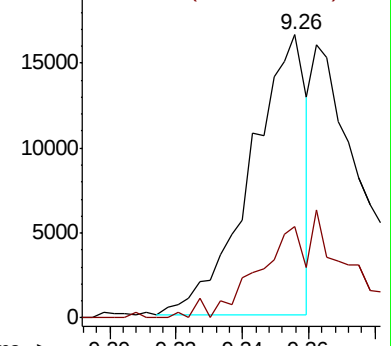
Ion Ratio Lower Upper

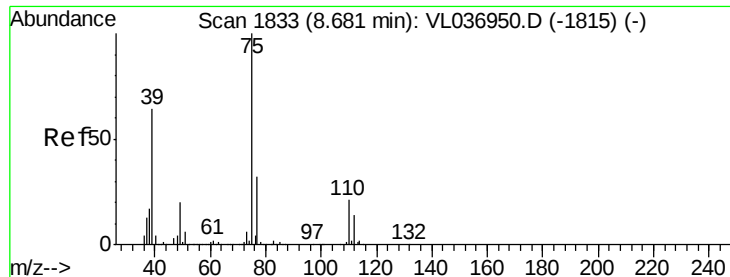
75 100

77 34.5 24.4 36.6



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

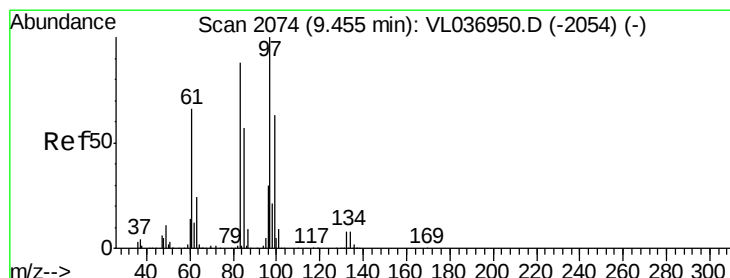
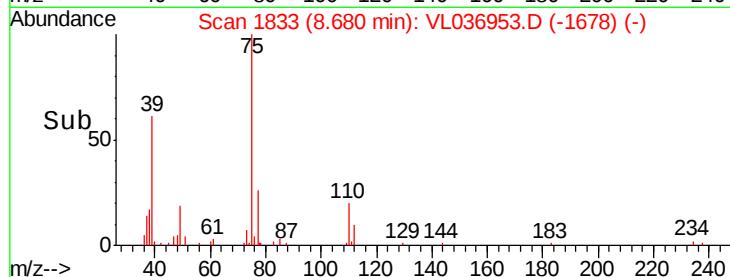
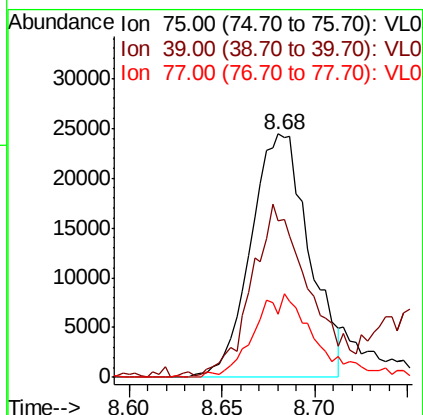
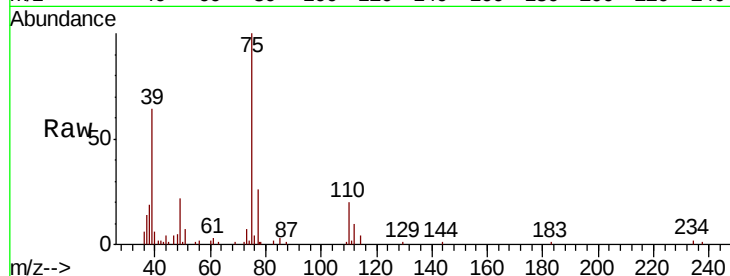




#46
 cis-1,3-Dichloropropene
 Concen: 0.466 ppbv
 RT: 8.68 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

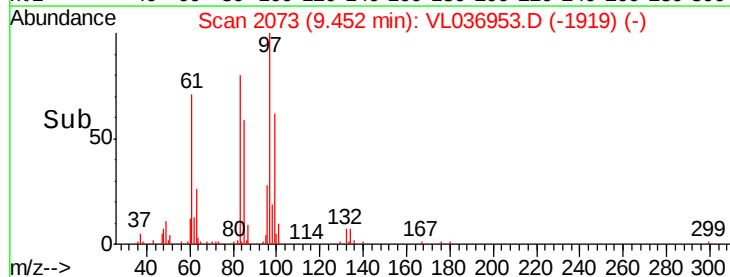
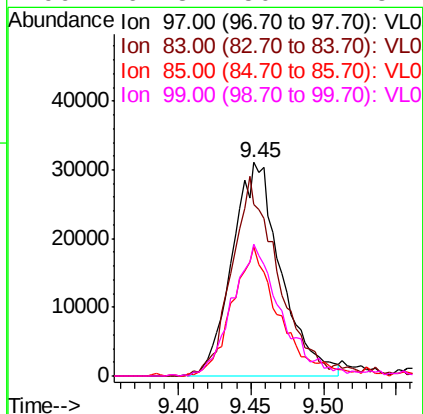
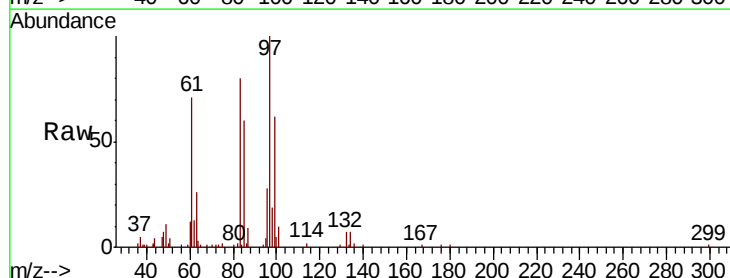
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

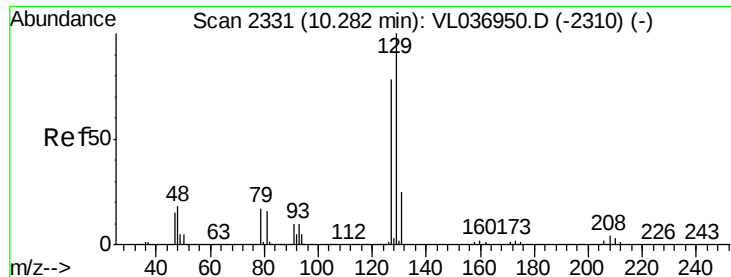
Tot Ion	Ratio	Lower	Upper
75	100		
39	61.9	51.5	77.3
77	26.0	25.9	38.9



#47
 1,1,2-Trichloroethane
 Concen: 0.517 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.3	70.4	105.6
85	59.3	45.5	68.3
99	61.8	50.2	75.2





#48

Dibromochloromethane

Concen: 0.503 ppbv

RT: 10.28 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

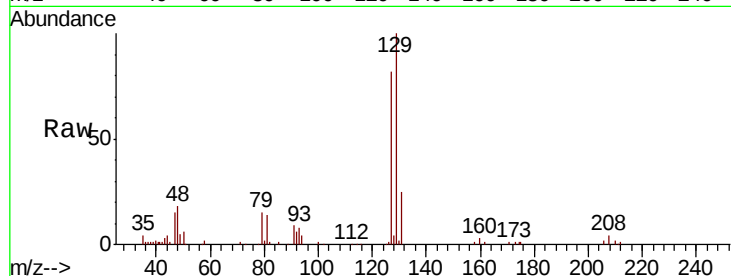
VSTDIC0.5

Tot Ion:129 Resp: 106248

Ion Ratio Lower Upper

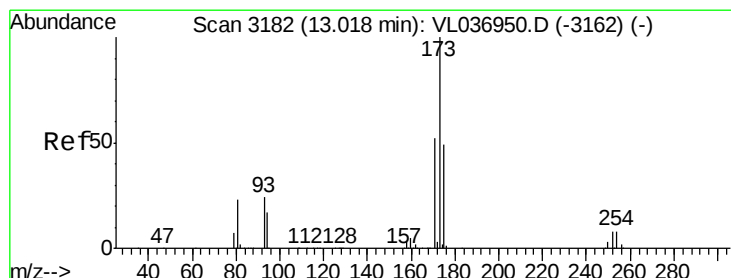
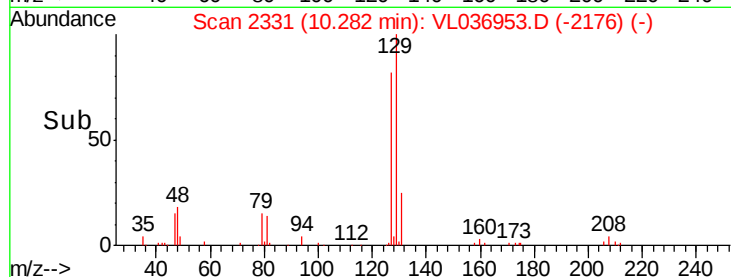
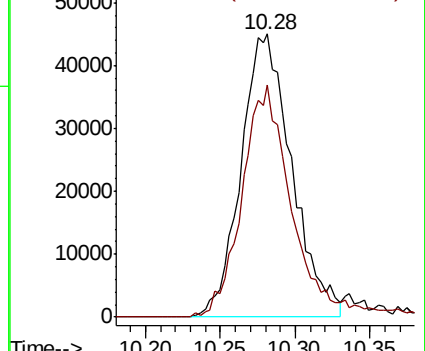
129 100

127 83.1 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.457 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. -0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

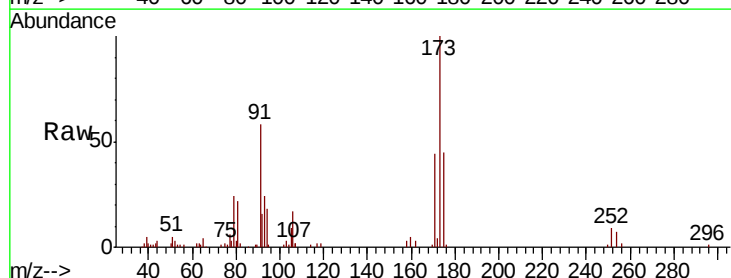
Tgt Ion:173 Resp: 79478

Ion Ratio Lower Upper

173 100

175 51.3 40.4 60.6

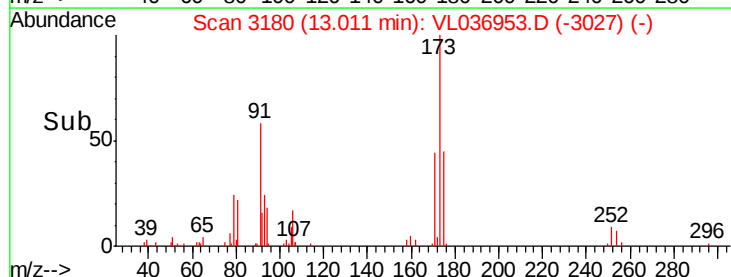
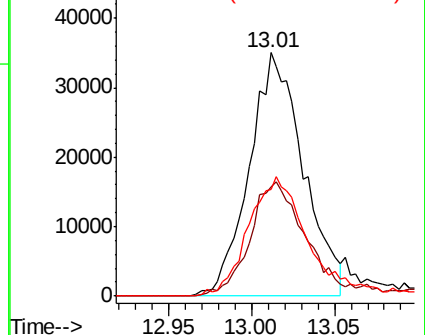
171 56.7 42.6 64.0

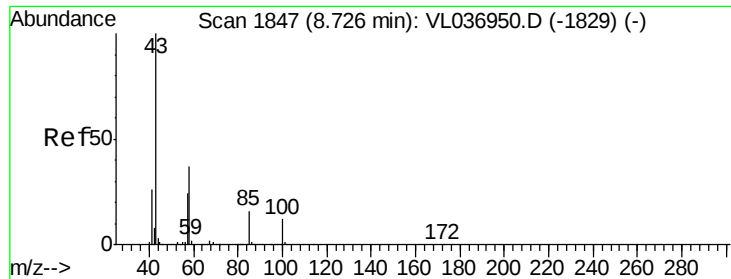


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

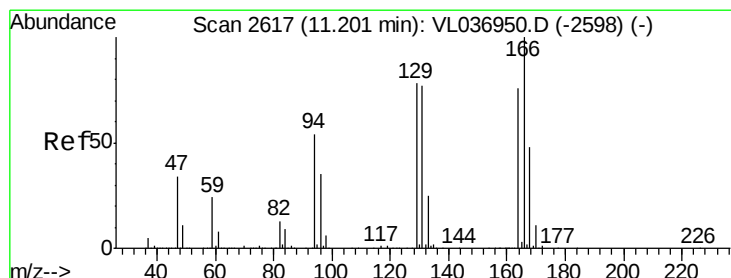
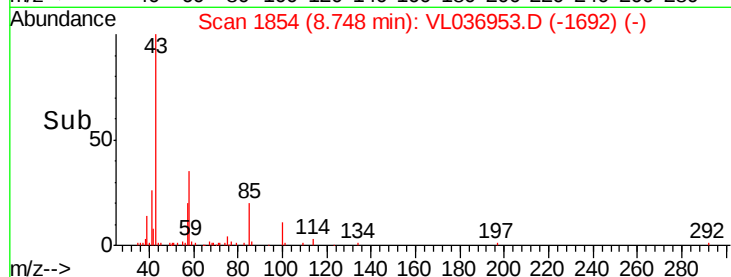
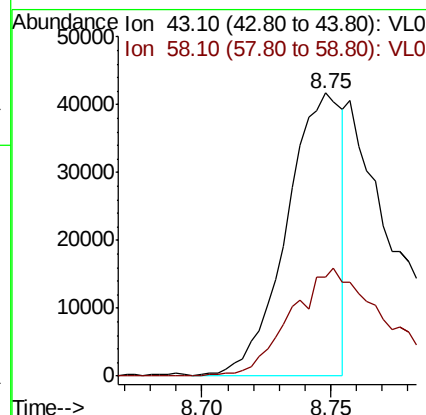
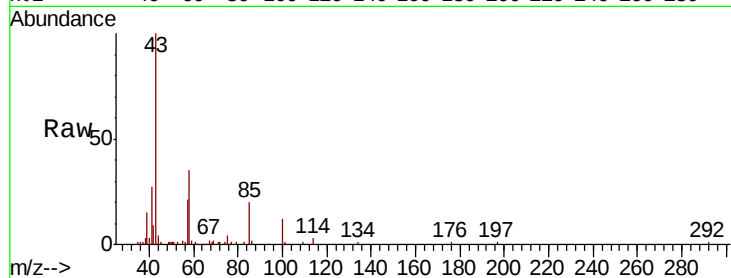




#50
4-Methyl-2-Pentanone
Concen: 0.306 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.02 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

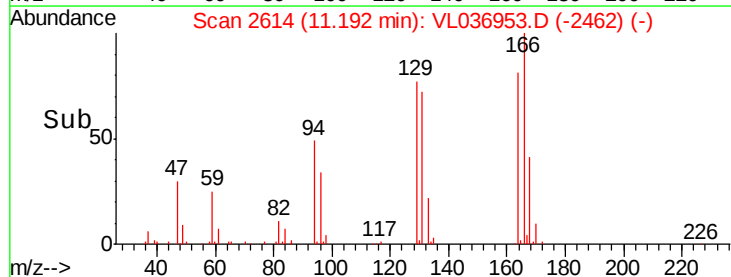
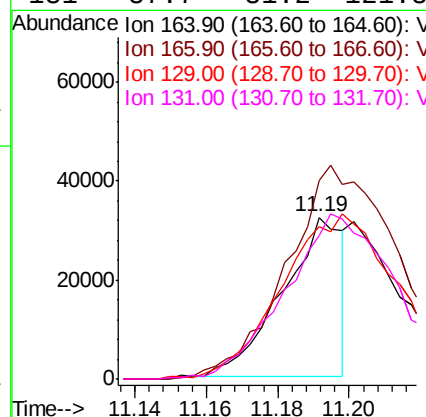
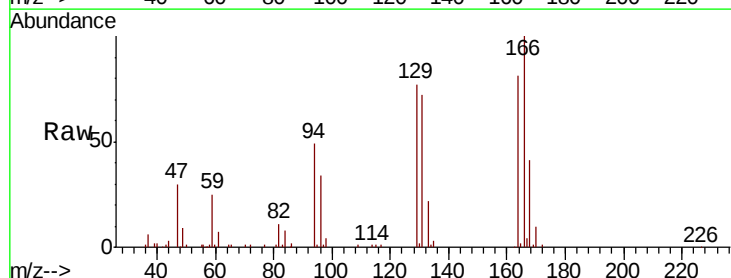
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

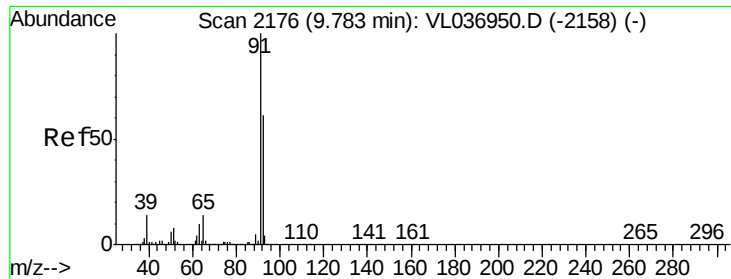
Tot Ion: 43 Resp: 62366
Ion Ratio Lower Upper
43 100
58 79.1 29.4 44.2#



#52
Tetrachloroethene
Concen: 0.328 ppbv
RT: 11.19 min Scan# 2614
Delta R.T. -0.01 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 164 Resp: 37634
Ion Ratio Lower Upper
164 100
166 123.7 105.5 158.3
129 95.7 81.8 122.8
131 87.7 81.2 121.8





#53

Toluene

Concen: 0.703 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

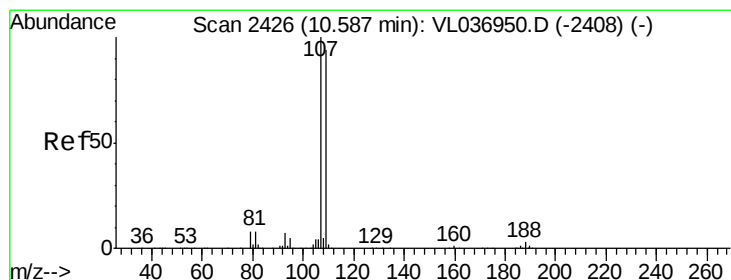
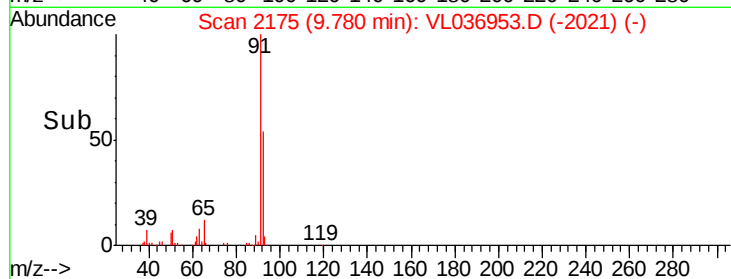
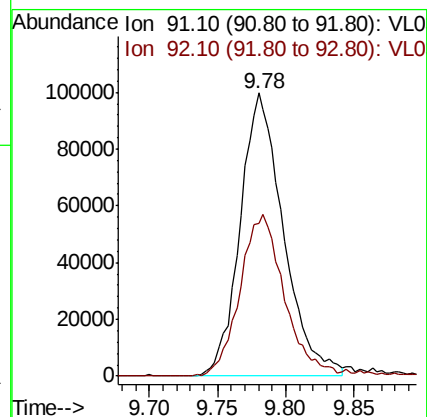
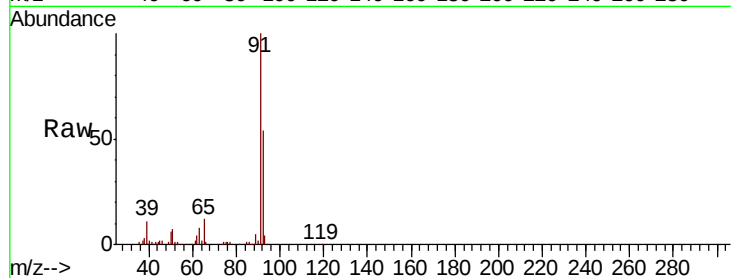
VSTDIC0.5

Tot Ion: 91 Resp: 219205

Ion Ratio Lower Upper

91 100

92 60.9 49.5 74.3



#54

1,2-Dibromoethane

Concen: 0.532 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL036953.D

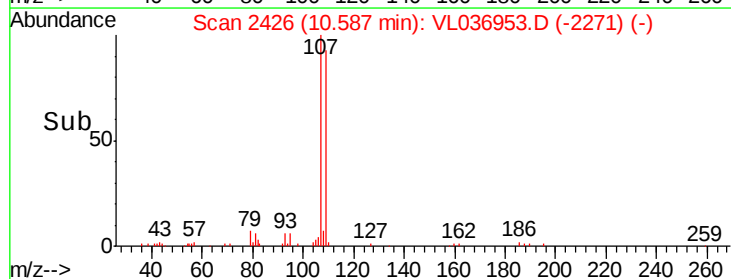
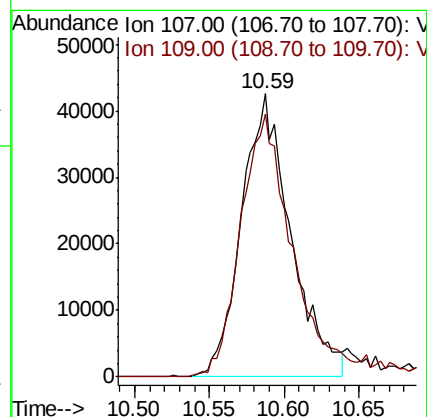
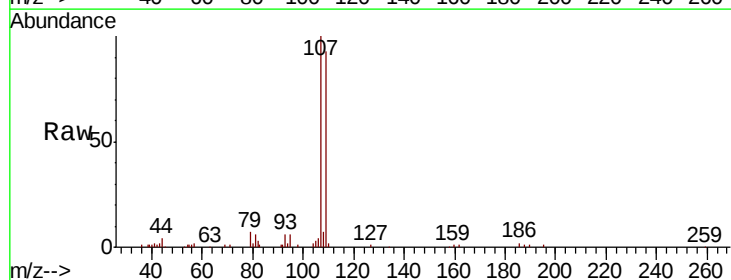
Acq: 18 May 2021 3:53

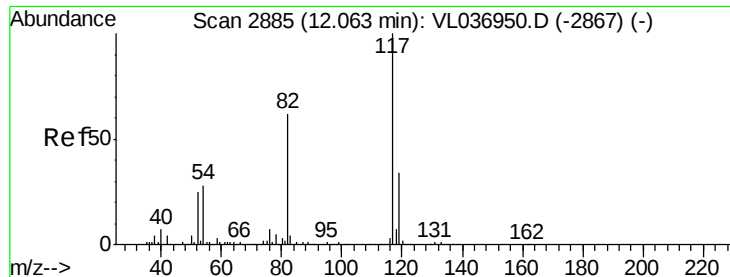
Tgt Ion: 107 Resp: 97463

Ion Ratio Lower Upper

107 100

109 92.3 75.0 112.4

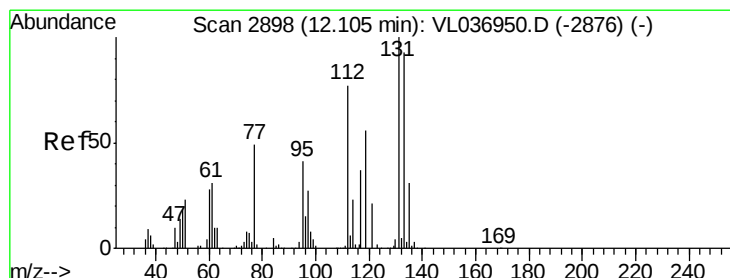
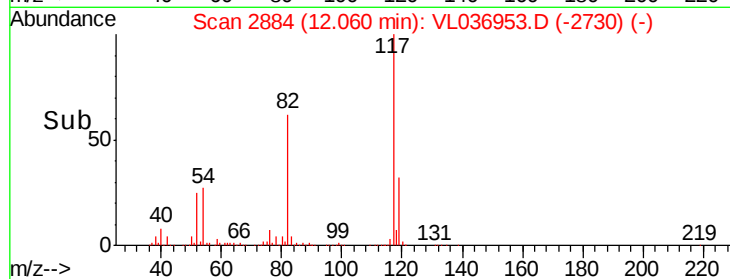
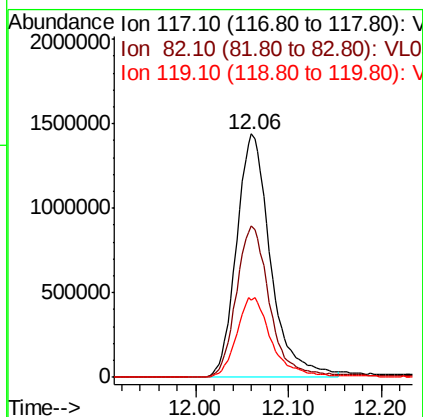
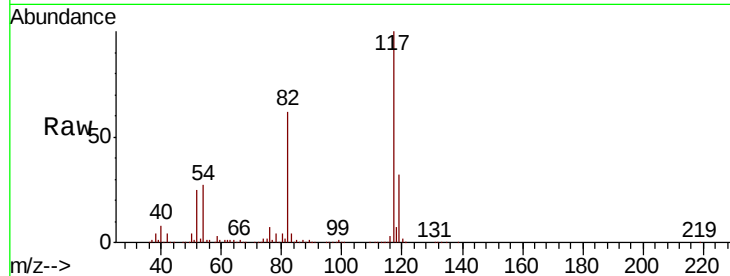




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

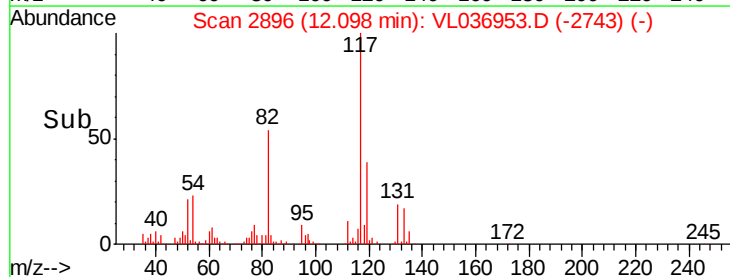
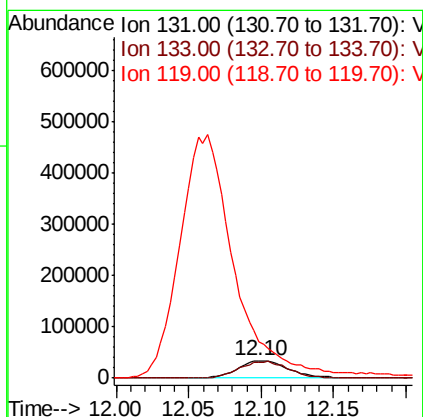
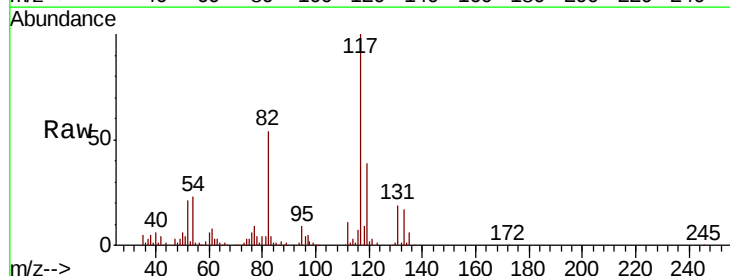
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

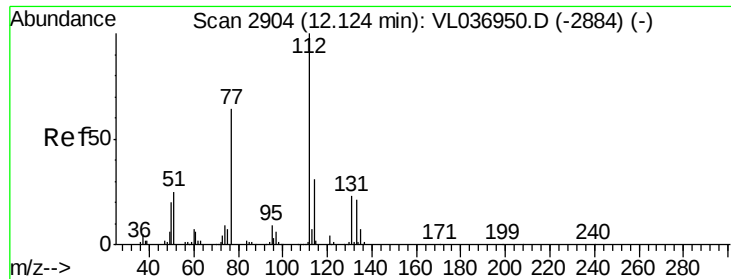
Tot Ion:117 Resp: 3671788
Ion Ratio Lower Upper
117 100
82 63.2 52.6 79.0
119 35.0 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.491 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion:131 Resp: 82957
Ion Ratio Lower Upper
131 100
133 95.6 76.9 115.3
119 1534.5 120.2 180.4#

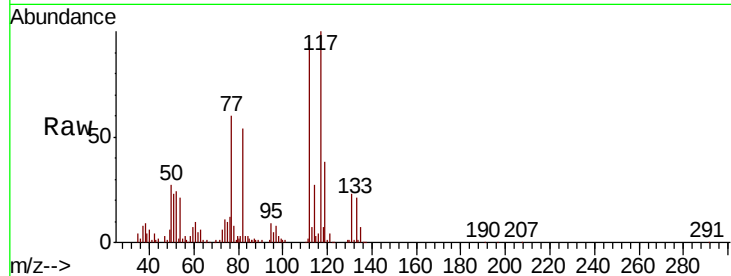




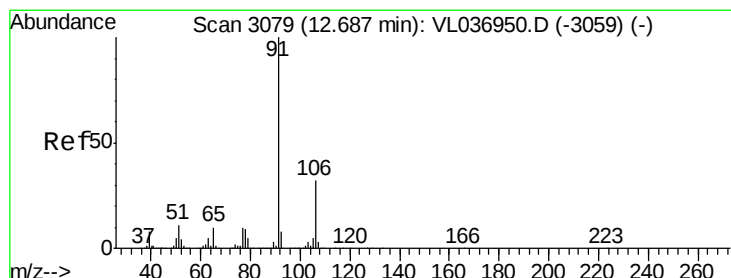
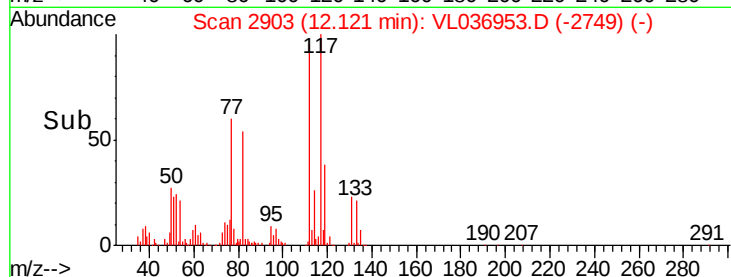
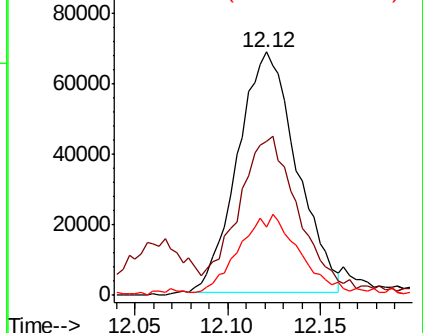
#57
Chlorobenzene
Concen: 0.487 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:112 Resp: 150785
Ion Ratio Lower Upper
112 100
77 58.1 51.0 76.6
114 27.1 28.3 34.5#

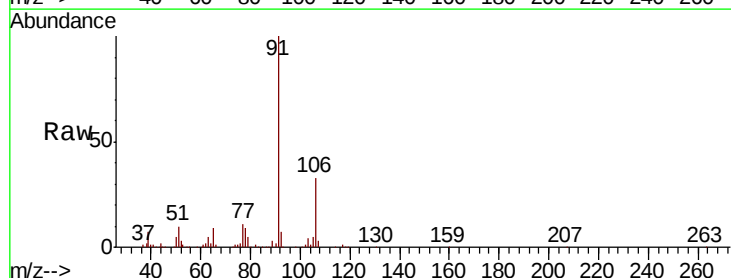


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

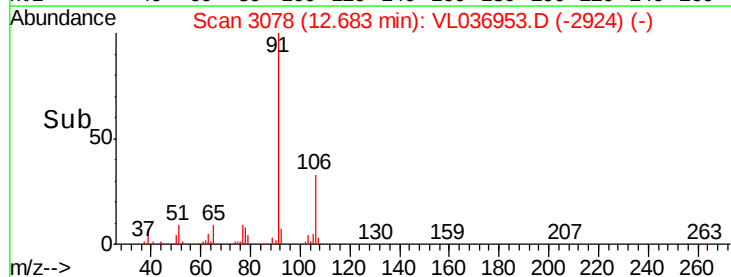
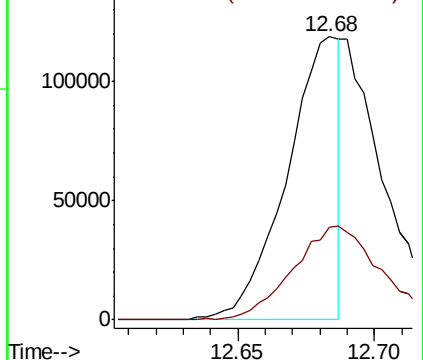


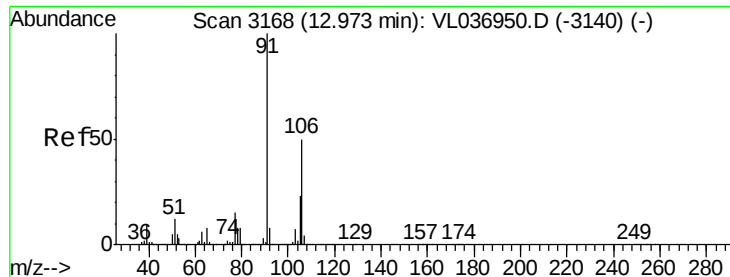
#58
Ethyl Benzene
Concen: 0.366 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion: 91 Resp: 159554
Ion Ratio Lower Upper
91 100
106 32.6 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: 0.528 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

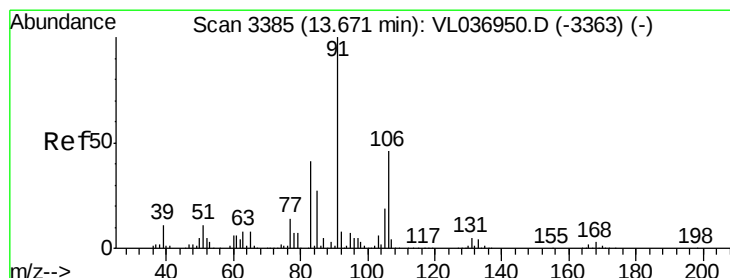
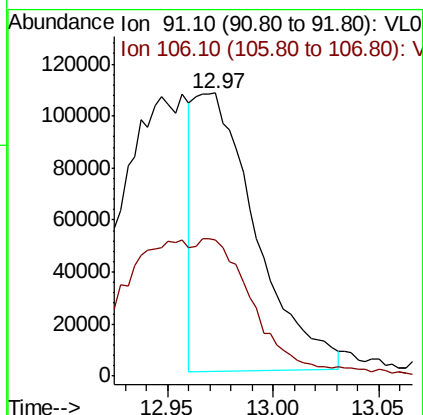
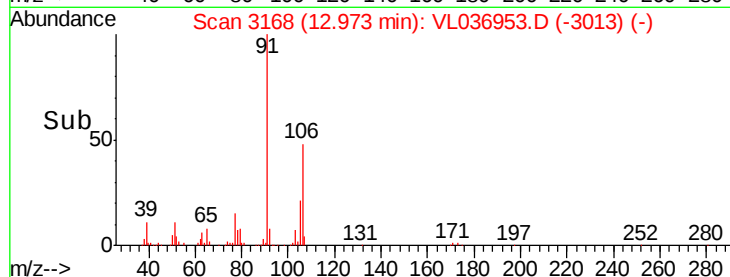
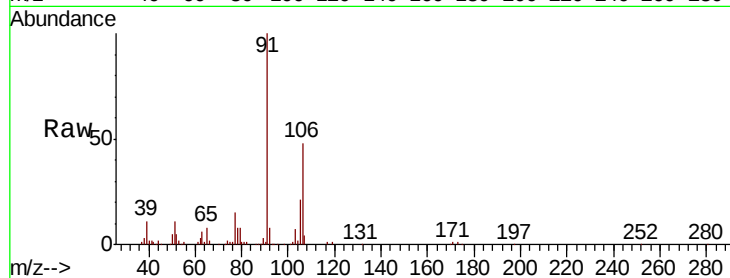
VSTDIC0.5

Tot Ion: 91 Resp: 216418

Ion Ratio Lower Upper

91 100

106 103.0 37.4 56.2#



#60

o-Xylene

Concen: 0.570 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VL036953.D

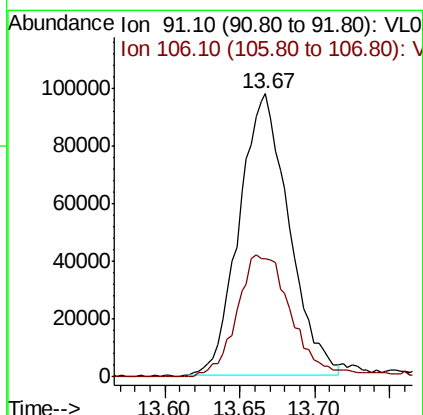
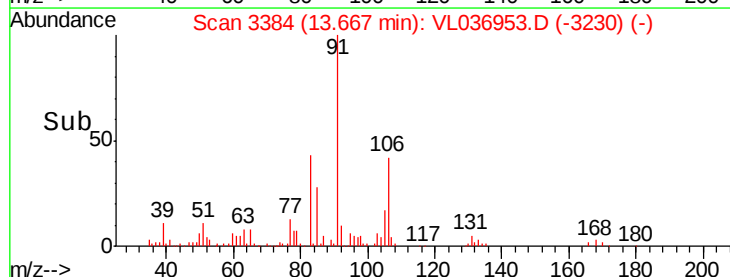
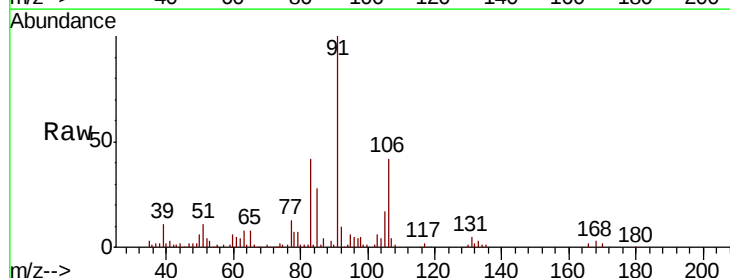
Acq: 18 May 2021 3:53

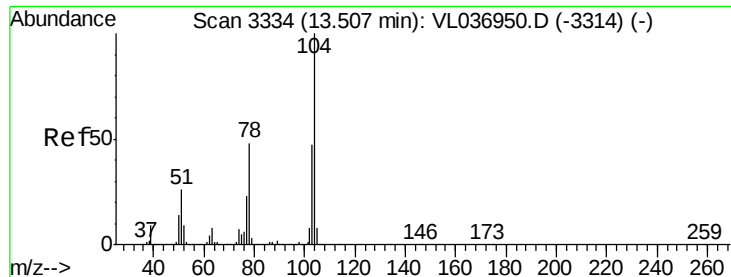
Tgt Ion: 91 Resp: 226177

Ion Ratio Lower Upper

91 100

106 49.4 23.4 70.3





#61

Stvrene

Concen: 0.420 ppbv

RT: 13.50 min Scan# 3332

Delta R.T. -0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

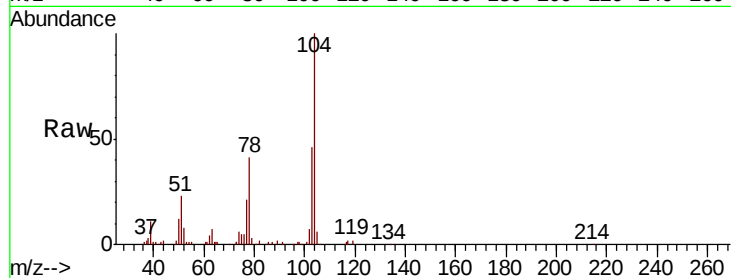
Tot Ion:104 Resp: 68378

Ion Ratio Lower Upper

104 100

78 0.0 39.0 58.6#

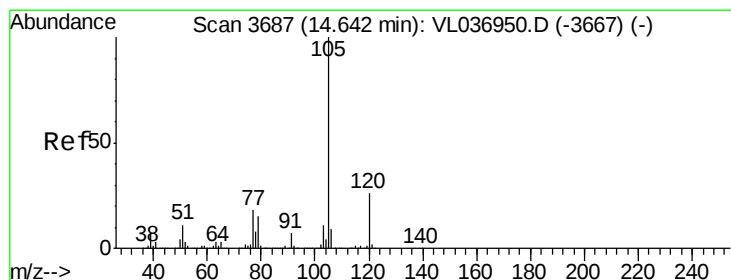
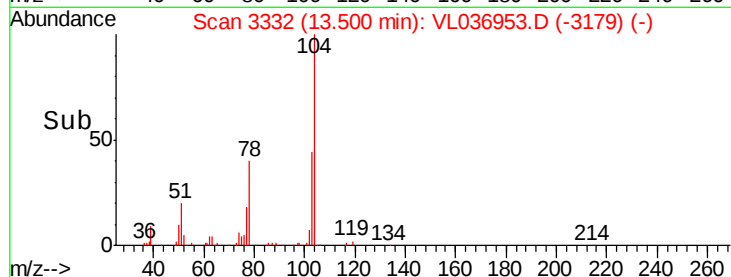
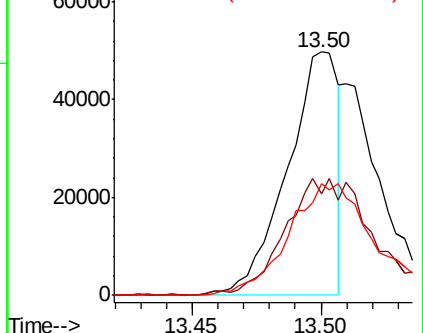
103 0.0 38.0 57.0#



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



#62

Isopropylbenzene

Concen: 0.295 ppbv

RT: 14.64 min Scan# 3686

Delta R.T. -0.00 min

Lab File: VL036953.D

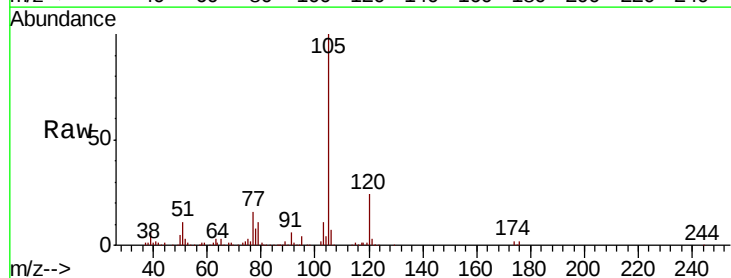
Acq: 18 May 2021 3:53

Tgt Ion:105 Resp: 159698

Ion Ratio Lower Upper

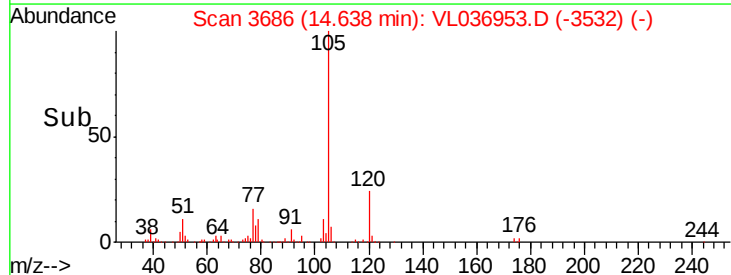
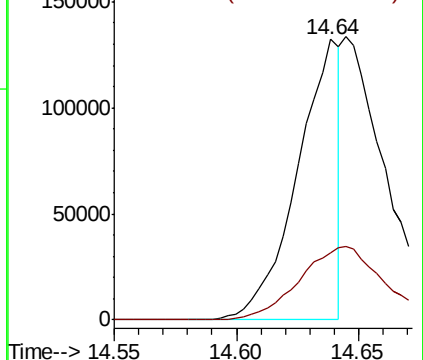
105 100

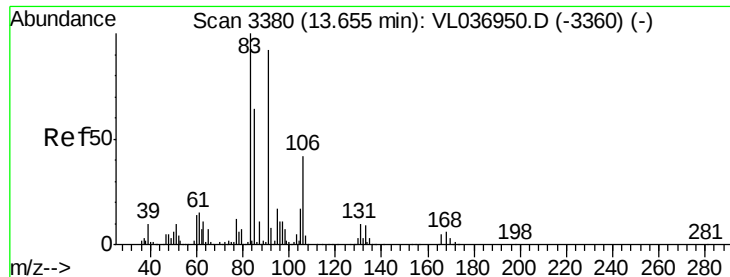
120 0.0 21.7 32.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.381 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

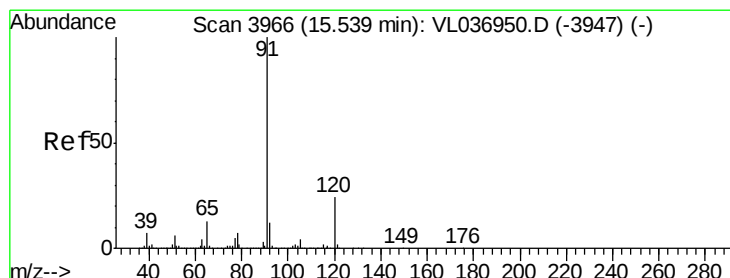
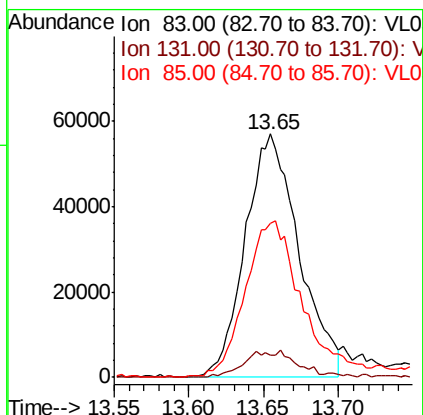
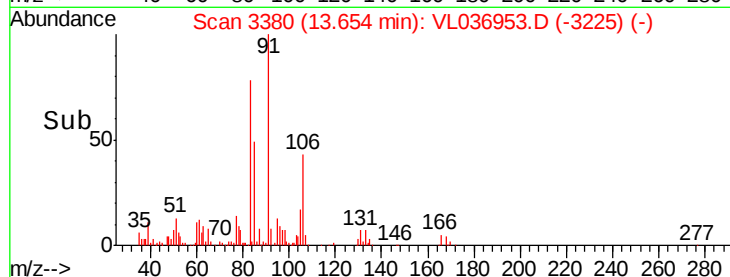
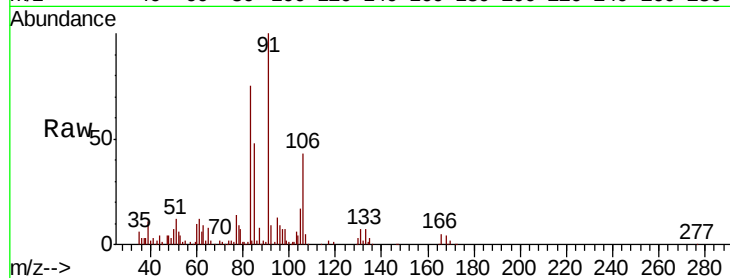
Tot Ion: 83 Resp: 142726

Ion Ratio Lower Upper

83 100

131 11.4 5.0 15.0

85 73.1 32.9 98.6



#64

n-propylbenzene

Concen: 0.263 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL036953.D

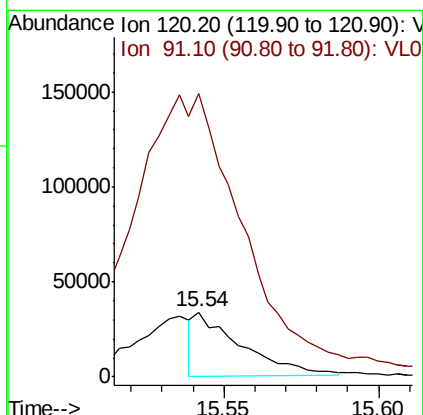
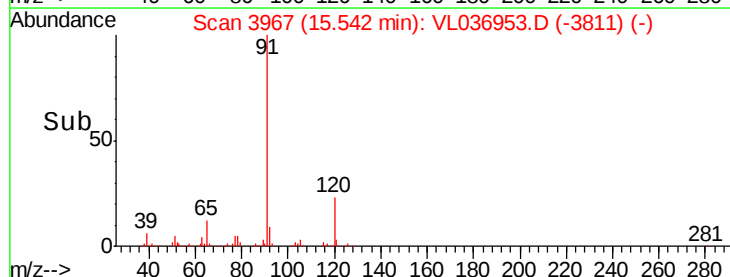
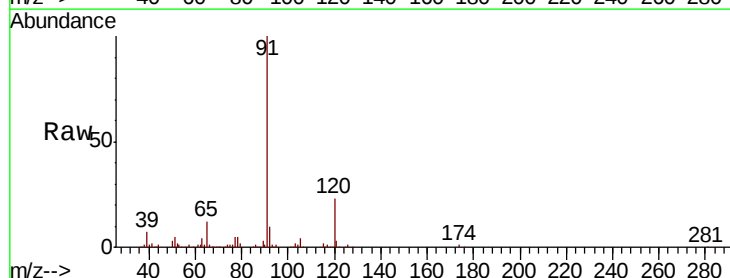
Acq: 18 May 2021 3:53

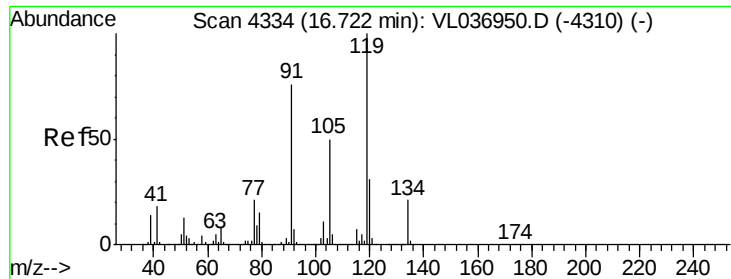
Tgt Ion: 120 Resp: 35157

Ion Ratio Lower Upper

120 100

91 1135.1 343.8 515.6#





#65

tert-Butylbenzene

Concen: 0.624 ppbv

RT: 16.72 min Scan# 4332

Delta R.T. -0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

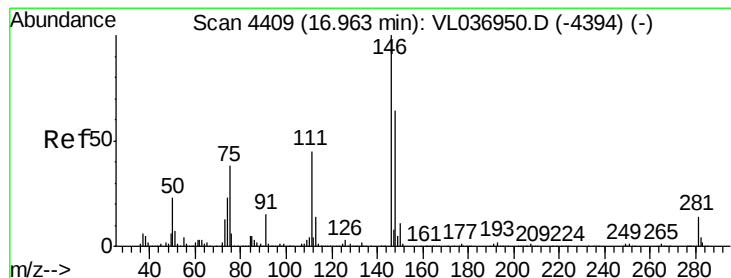
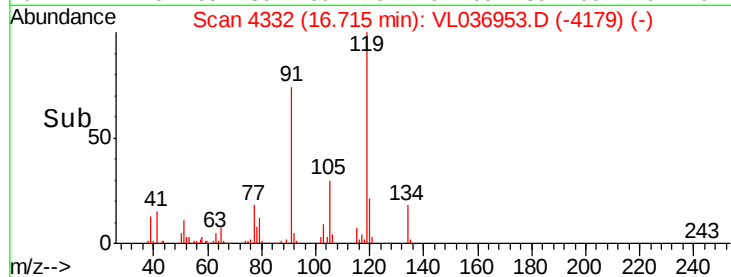
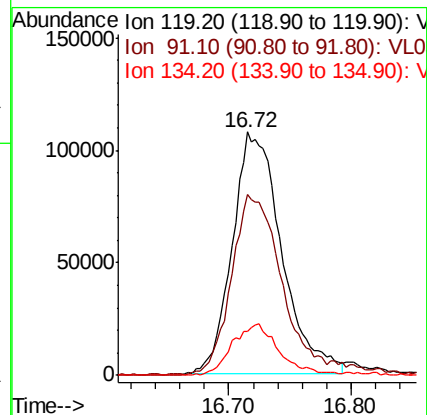
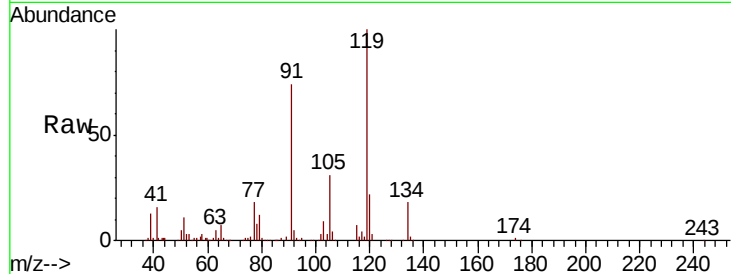
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:	119	Resp:	299216
Ion	Ratio	Lower	Upper
119	100		
91	80.5	61.9	92.9
134	21.2	16.2	24.4



#66

Benzyl Chloride

Concen: 0.109 ppbv

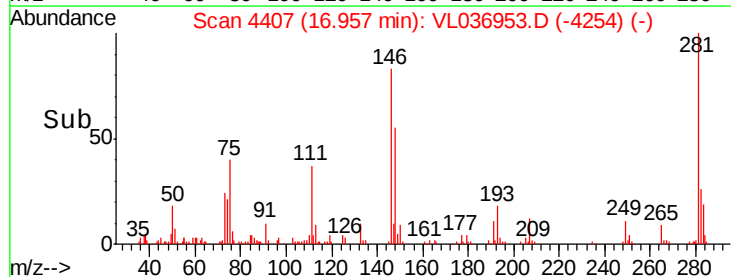
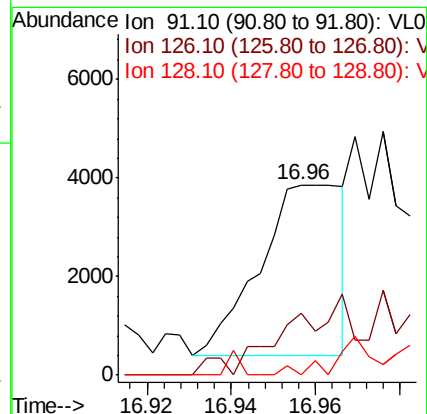
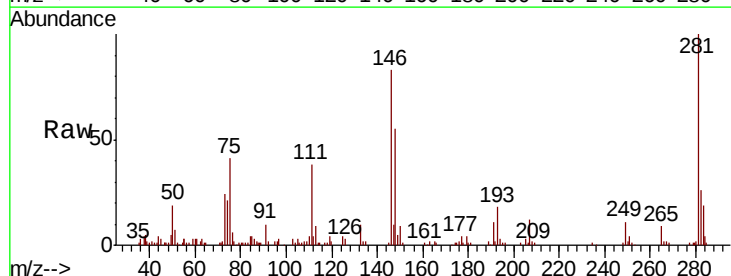
RT: 16.96 min Scan# 4407

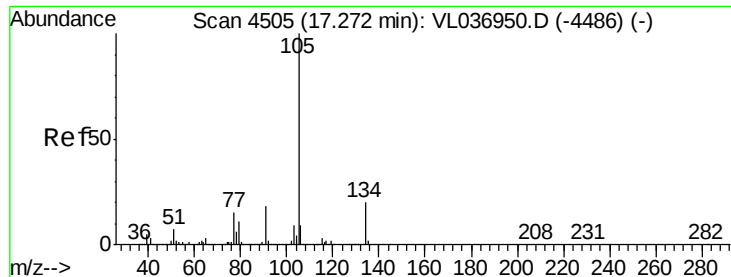
Delta R.T. -0.01 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion:	91	Resp:	4739
Ion	Ratio	Lower	Upper
91	100		
126	84.1	16.5	24.7#
128	18.5	5.5	8.3#





#67

sec-Butylbenzene

Concen: 0.588 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

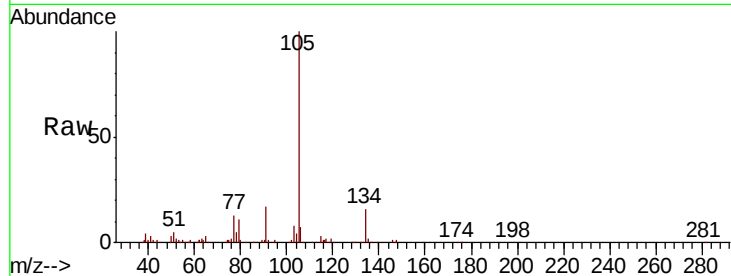
VSTDIC0.5

Tot Ion:105 Resp: 398658

Ion Ratio Lower Upper

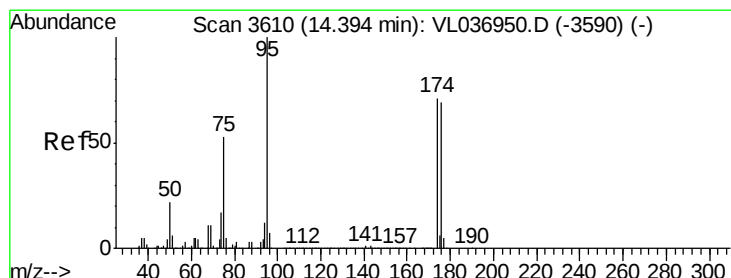
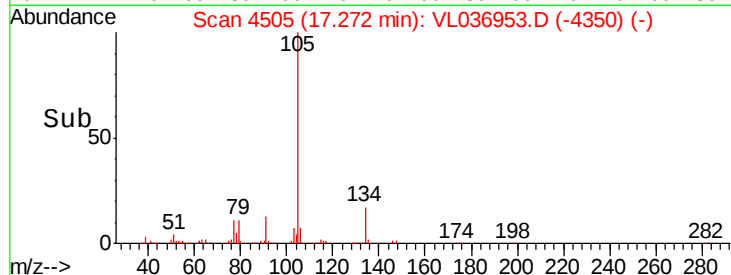
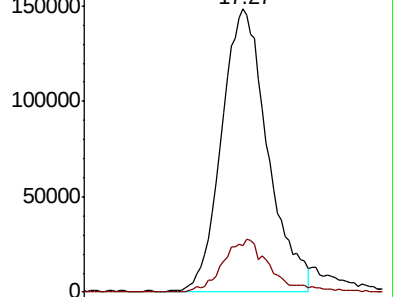
105 100

134 19.5 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.574 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

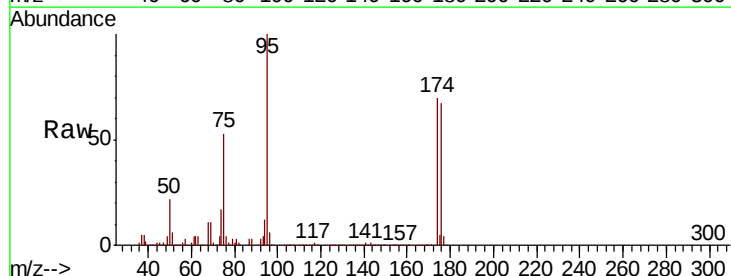
Tgt Ion: 95 Resp: 2741105

Ion Ratio Lower Upper

95 100

174 75.9 58.4 87.6

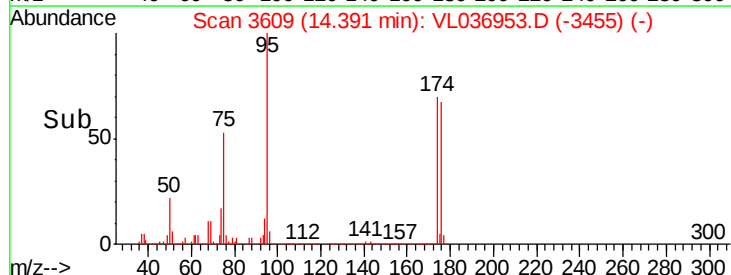
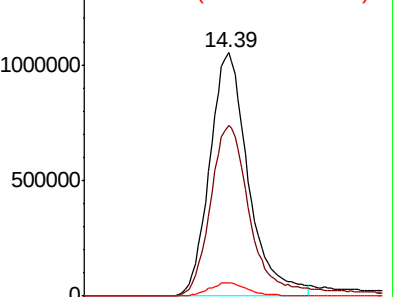
175 5.6 4.4 6.6

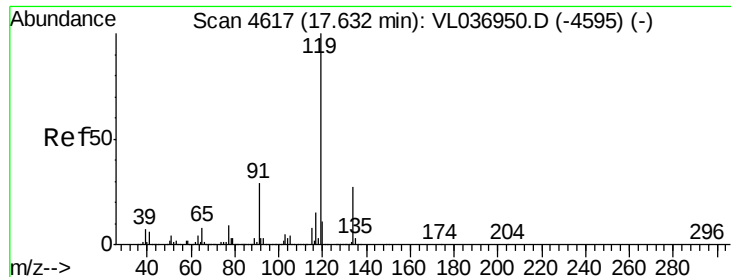


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

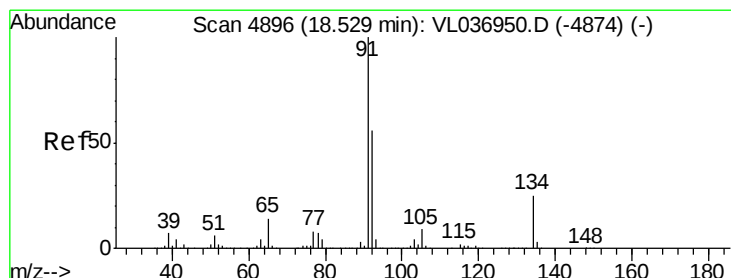
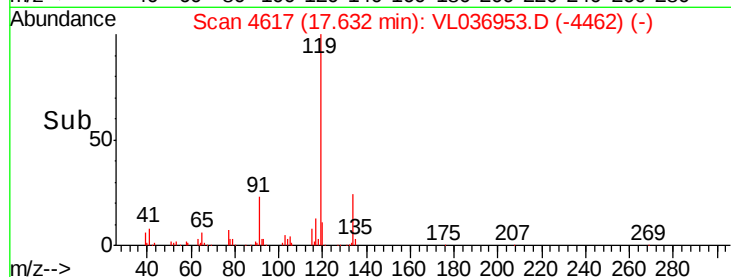
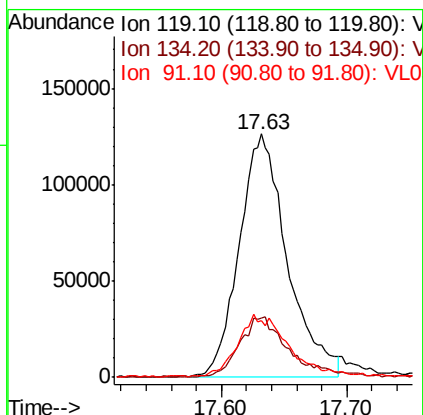
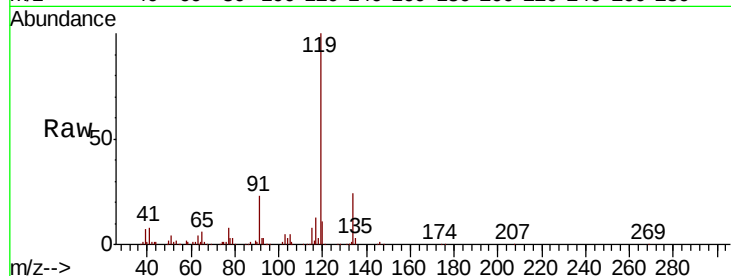




#69
 p-Isopropyltoluene
 Concen: 0.651 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

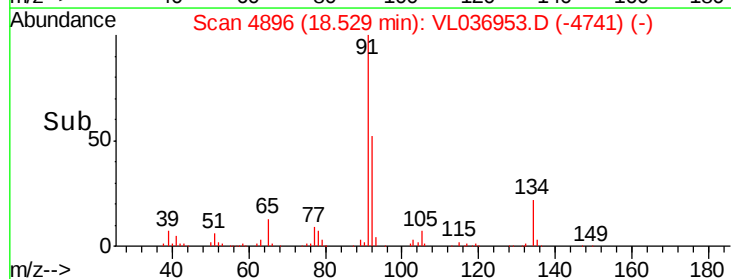
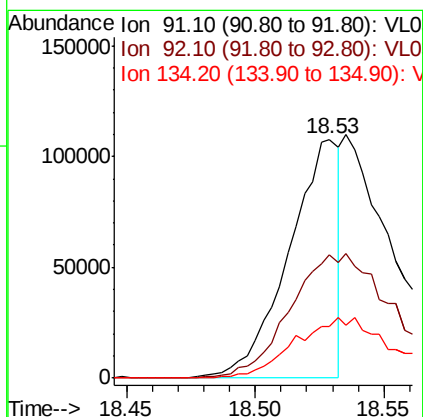
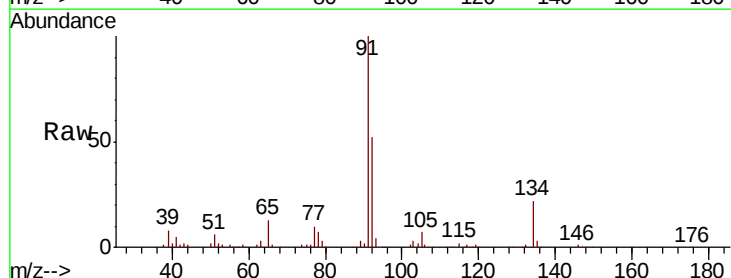
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

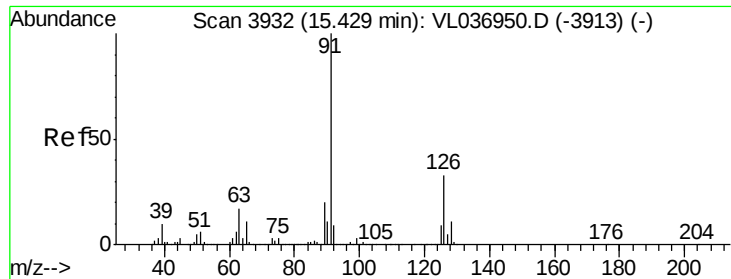
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.7	21.2	31.8
91	27.3	22.2	33.4



#70
 n-Butylbenzene
 Concen: 0.280 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.6	66.8#
134	0.0	20.2	30.2#

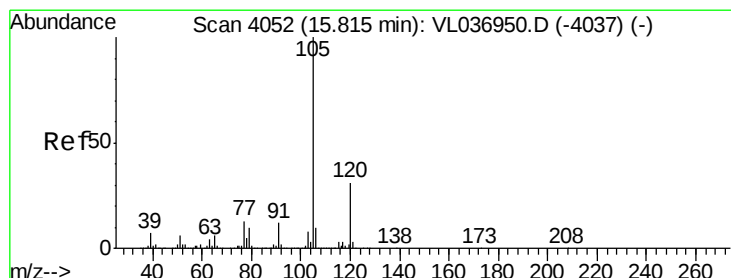
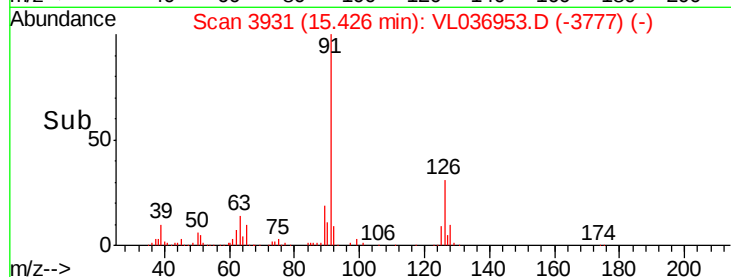
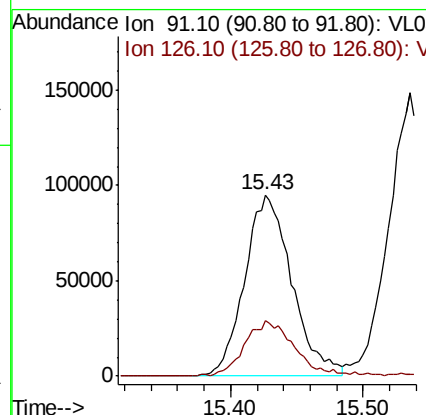
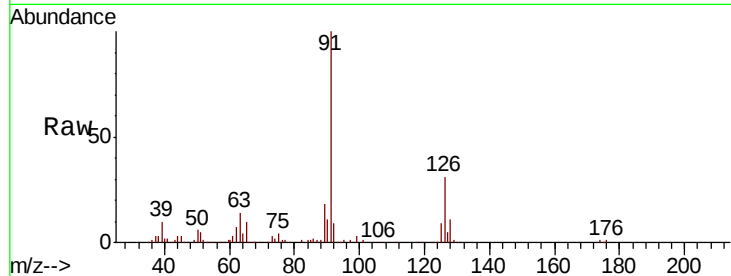




#71
2-Chlorotoluene
Concen: 0.606 ppbv
RT: 15.43 min Scan# 3931
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

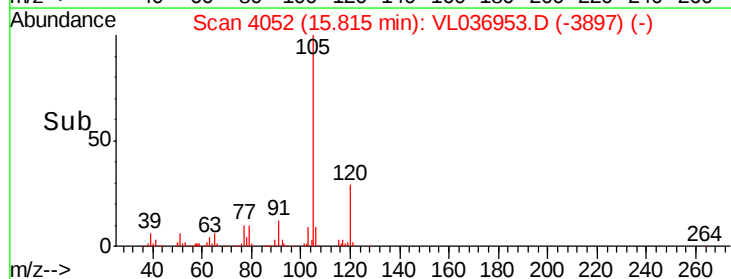
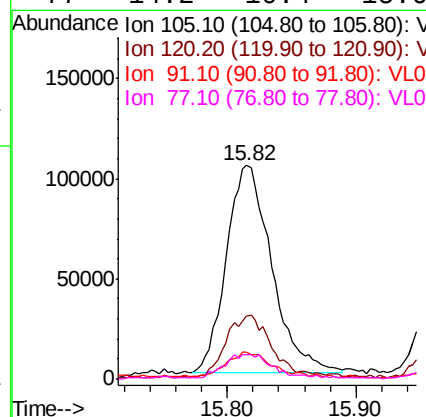
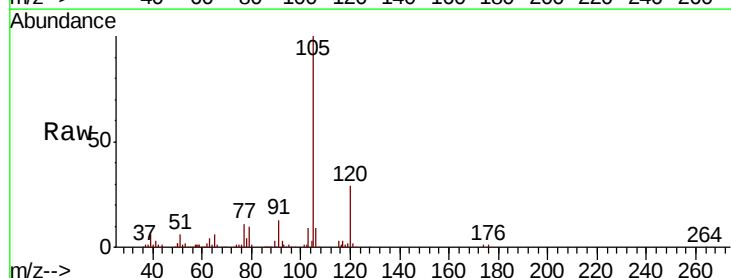
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

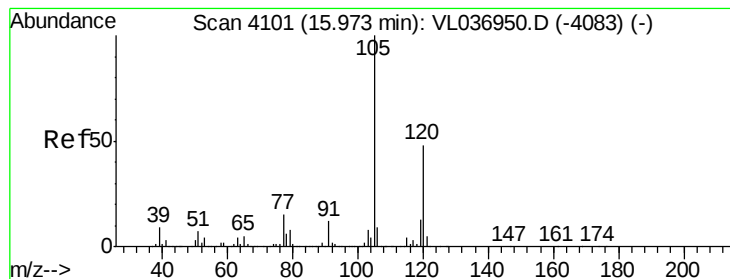
Tot Ion: 91 Resp: 234600
Ion Ratio Lower Upper
91 100
126 33.2 13.1 52.5



#72
4-Ethyltoluene
Concen: 0.618 ppbv
RT: 15.82 min Scan# 4052
Delta R.T. -0.00 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion:105 Resp: 253832
Ion Ratio Lower Upper
105 100
120 34.3 24.6 37.0
91 13.4 9.8 14.6
77 14.2 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 0.571 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

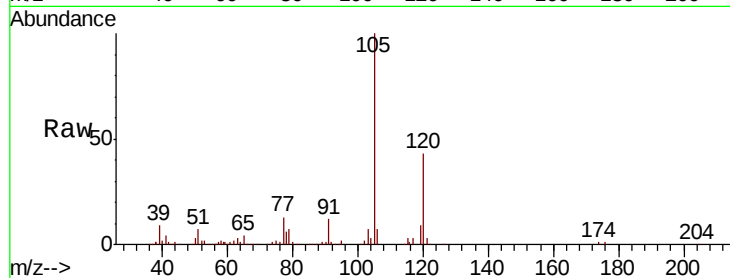
VSTDIC0.5

Tot Ion:105 Resp: 229440

Ion Ratio Lower Upper

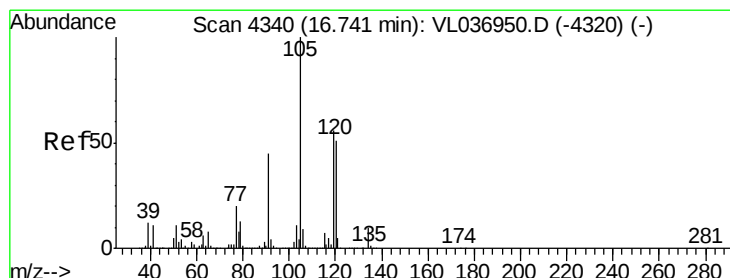
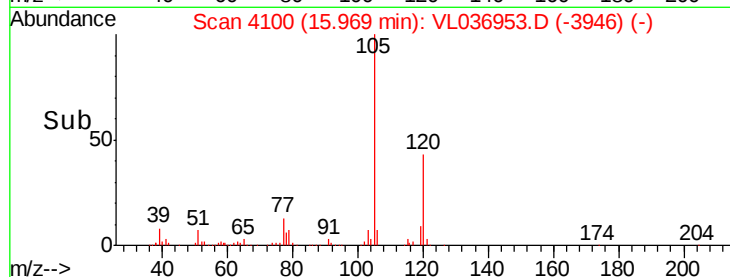
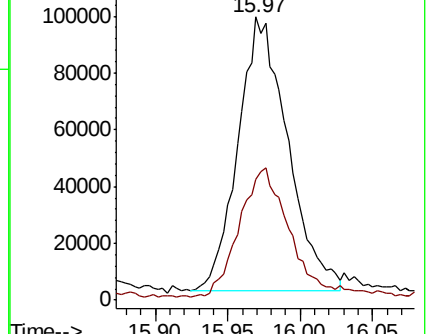
105 100

120 43.1 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: 0.564 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Tgt Ion:105 Resp: 248533

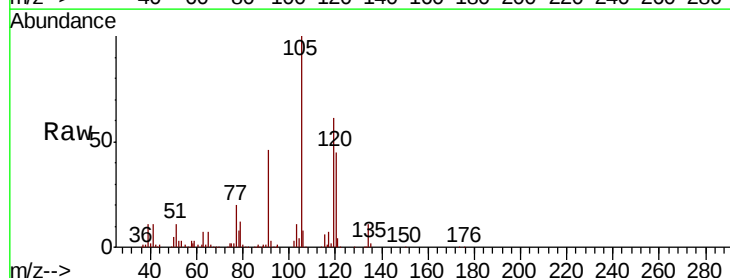
Ion Ratio Lower Upper

105 100

120 41.9 40.6 61.0

91 40.4 37.4 56.0

77 19.0 16.2 24.4

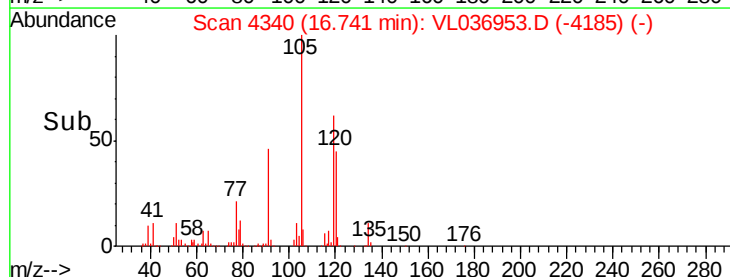
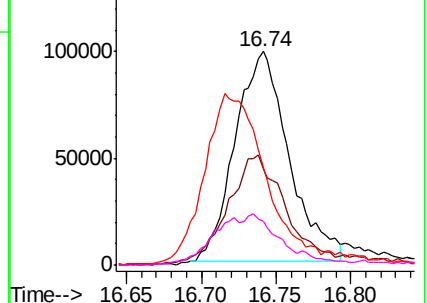


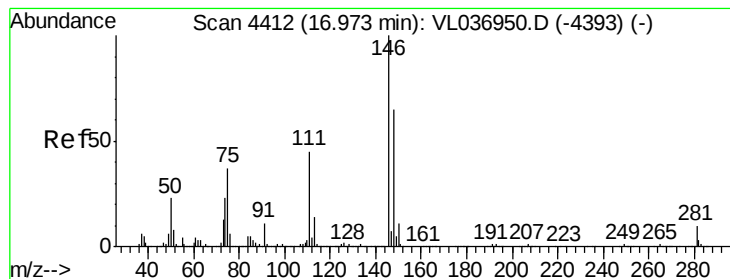
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.510 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

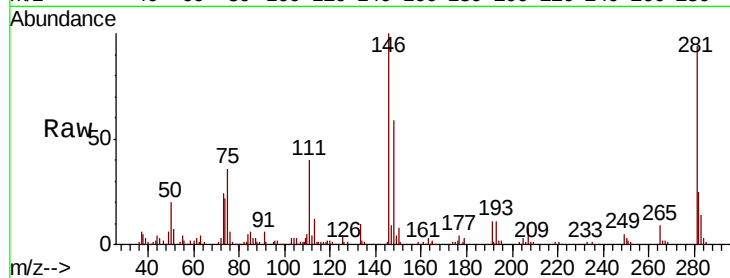
Tot Ion:146 Resp: 145919

Ion Ratio Lower Upper

146 100

111 47.8 22.2 66.6

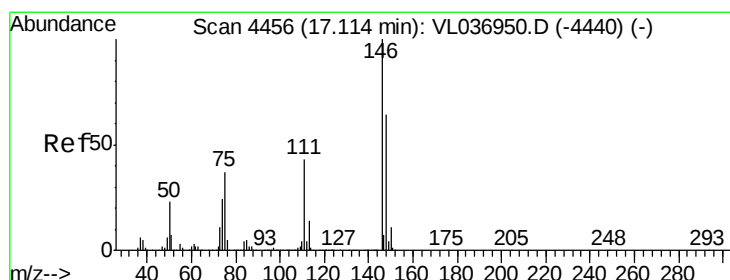
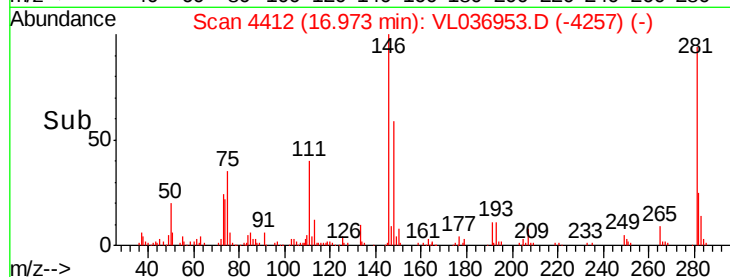
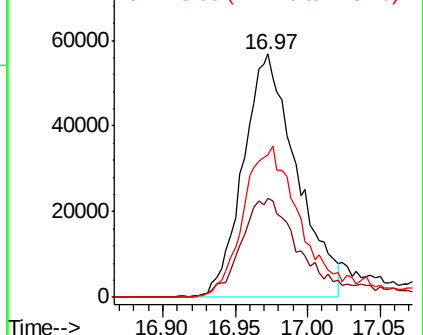
148 69.9 32.3 96.8



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: 0.244 ppbv

RT: 17.11 min Scan# 4455

Delta R.T. -0.00 min

Lab File: VL036953.D

Acq: 18 May 2021 3:53

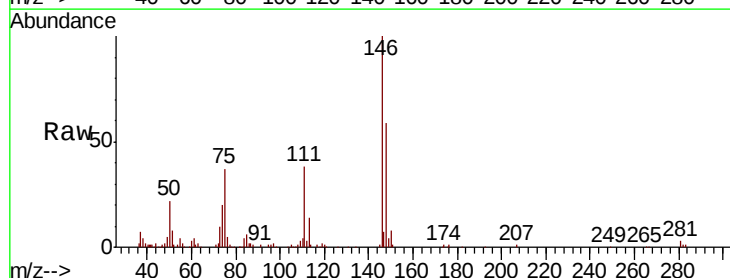
Tgt Ion:146 Resp: 62256

Ion Ratio Lower Upper

146 100

111 0.0 22.6 67.7#

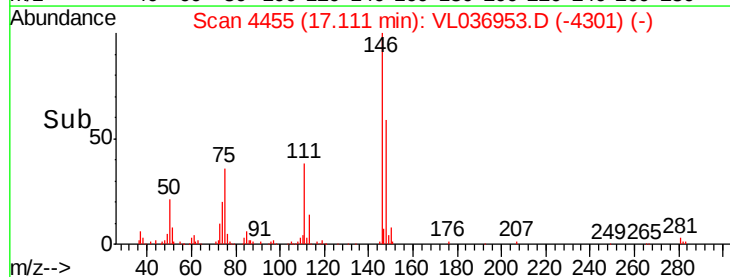
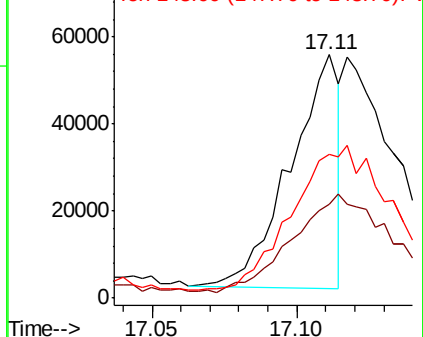
148 0.0 33.5 100.5#

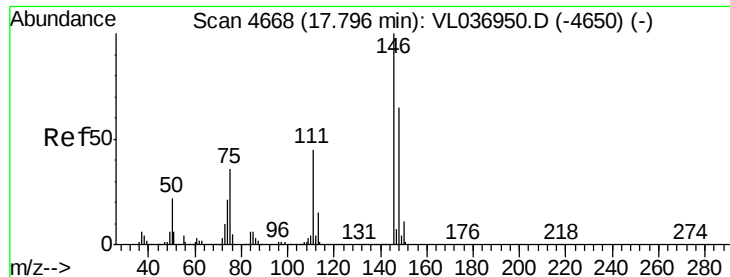


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

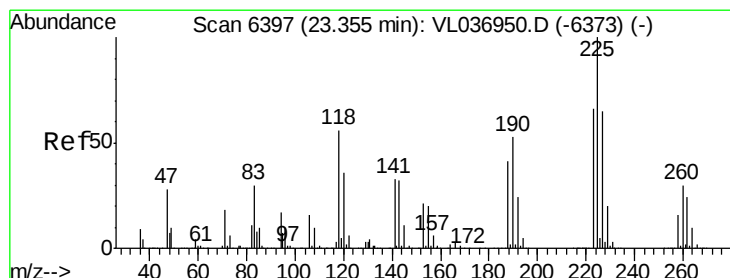
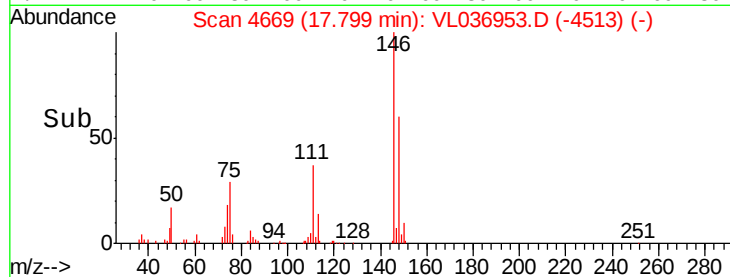
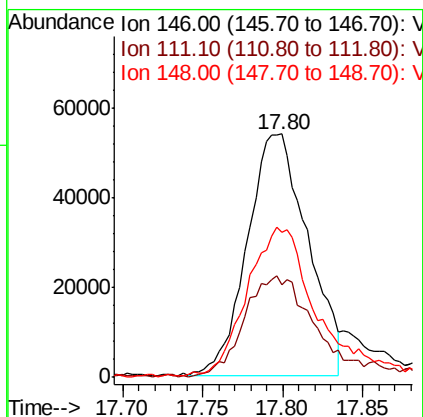
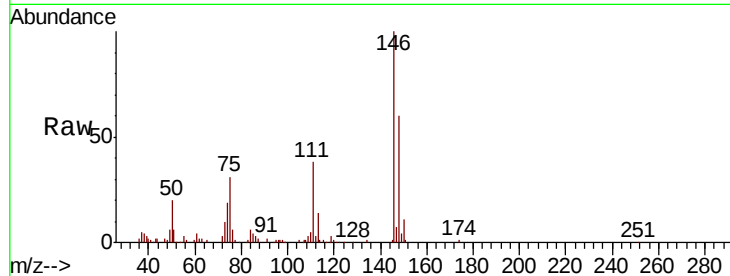




#77
 1,2-Dichlorobenzene
 Concen: 0.541 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

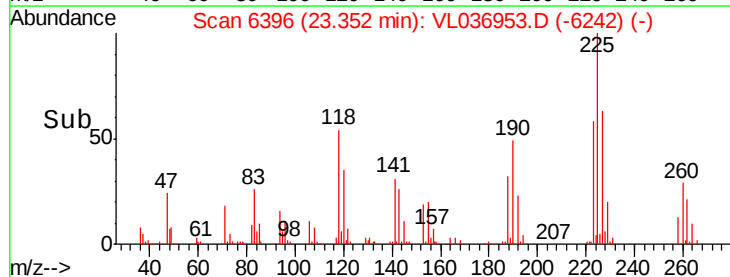
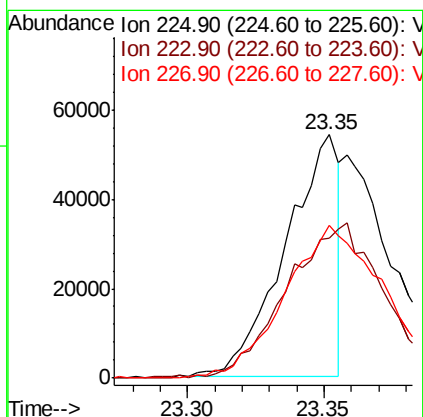
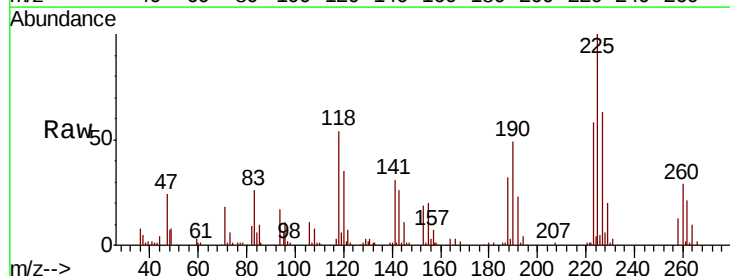
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

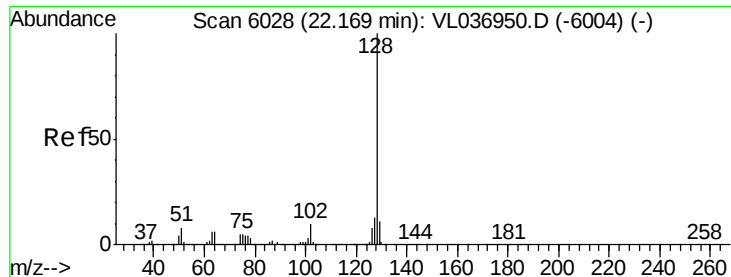
Tot Ion:146 Resp: 140031
 Ion Ratio Lower Upper
 146 100
 111 52.6 23.1 69.2
 148 73.8 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.320 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Tgt Ion:225 Resp: 74092
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.9 77.9#
 227 126.6 51.8 77.6#

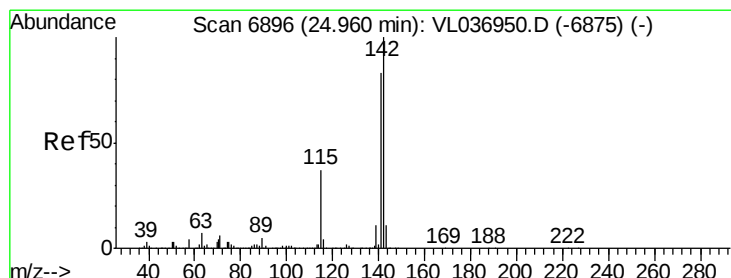
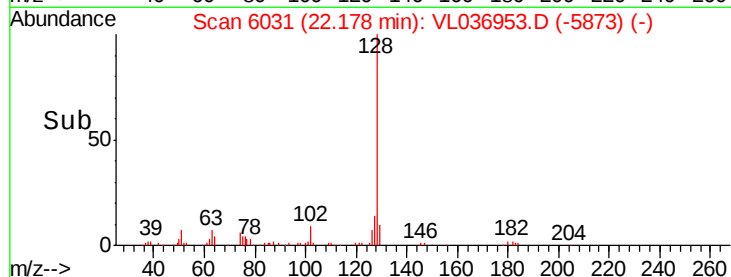
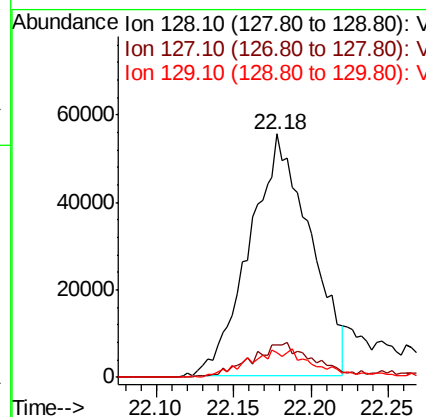
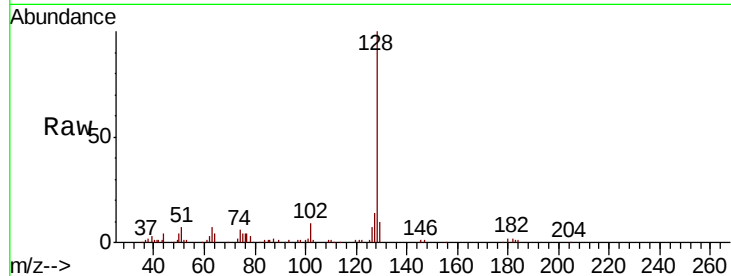




#79
Naphthalene
Concen: 0.752 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. 0.01 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

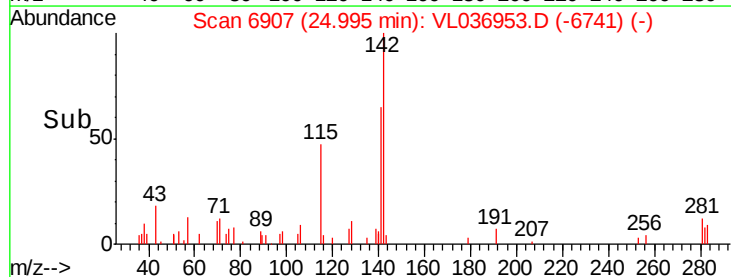
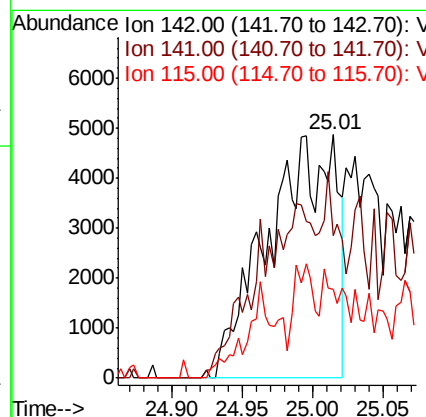
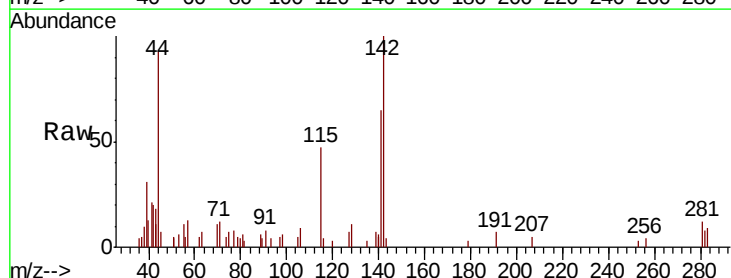
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

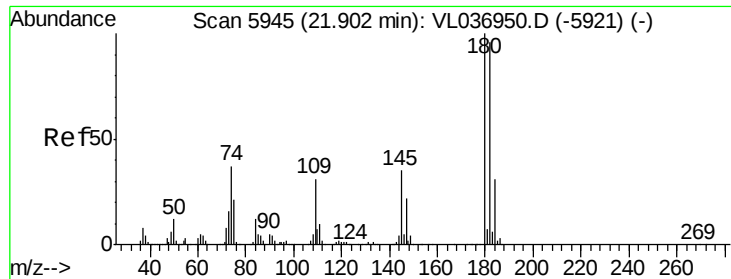
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	9.4	9.0	13.6



#80
Naphthalene, 2-methyl-
Concen: 0.559 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. 0.04 min
Lab File: VL036953.D
Acq: 18 May 2021 3:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	118.9	69.3	103.9#
115	49.6	29.1	43.7#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.378 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. 0.00 min
 Lab File: VL036953.D
 Acq: 18 May 2021 3:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	81.7	122.5#
184	64.5	24.9	37.3#

