

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041675.D
 Acq On : 7 Nov 2024 10:55
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Nov 08 00:09:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.185	49	1208732	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3351063	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	3155486	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2278471	9.764	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	514444	2.355	ppbv	97
3) Chlorodifluoromethane	2.671	51	328832	2.088	ppbv	99
4) Chloromethane	2.806	50	174215	2.088	ppbv	98
5) Vinyl Chloride	2.915	62	164345	2.174	ppbv	95
6) Bromomethane	3.115	94	83930	2.108	ppbv	95
7) Chloroethane	3.192	64	56344	2.057	ppbv	95
8) Dichlorotetrafluoroethane	2.851	85	407437	2.089	ppbv	100
9) Propene	2.690	41	145858	2.125	ppbv	96
10) Heptane	7.574	43	329781	2.145	ppbv	100
11) Trichlorofluoromethane	3.558	101	404483	2.126	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	293463	2.122	ppbv	100
13) Ethanol	3.253	45	6143	1.439	ppbv #	40
14) Bromoethene	3.362	108	115140	2.071	ppbv	97
15) Acetone	3.468	43	325763	2.190	ppbv	98
16) 1,3-Butadiene	2.980	39	166496	2.232	ppbv	100
17) tert-Butyl alcohol	3.880	59	250452	1.919	ppbv	100
18) 1,1-Dichloroethene	3.877	96	125850	2.075	ppbv	97
19) Isopropyl Alcohol	3.581	45	145112	2.015	ppbv #	98
20) Methylene Chloride	3.928	84	107956	1.972	ppbv	95
21) Allyl Chloride	3.992	41	188103	2.046	ppbv	93
22) trans-1,2-Dichloroethene	4.439	96	127951	2.114	ppbv	97
23) Vinyl Acetate	4.623	43	146592	2.095	ppbv	99
24) 1,1-Dichloroethane	4.555	63	311096	2.311	ppbv	99
25) Ethyl Acetate	5.201	43	648134	2.105	ppbv	99
26) Hexane	5.205	57	247802	2.095	ppbv	93
27) Carbon Disulfide	4.121	76	275871	2.076	ppbv #	92
28) Methyl tert-Butyl Ether	4.587	73	178647	2.345	ppbv	100
29) Chloroform	5.269	83	397794	2.037	ppbv	98
30) Cyclohexane	6.594	84	205987	2.167	ppbv	95
31) cis-1,2-Dichloroethene	5.073	61	231792	2.037	ppbv	95
32) 1,1,1-Trichloroethane	5.996	97	391289	2.186	ppbv	99
34) 2-Butanone	4.783	43	351257	2.105	ppbv	97
35) Carbon Tetrachloride	6.491	117	399871	2.257	ppbv	99
36) Benzene	6.368	78	538471	2.169	ppbv	96
37) 1,2-Dichloroethane	5.803	62	291330	2.080	ppbv	100
38) Trichloroethene	7.285	130	214170	2.237	ppbv	96
39) 1,2-Dichloropropane	7.069	63	206245	2.102	ppbv	97
40) 1,4-Dioxane	7.291	88	34545	0.994	ppbv #	1
41) Tetrahydrofuran	5.561	42	206889	2.173	ppbv	99
42) Bromodichloromethane	7.243	83	411846	2.116	ppbv	100
43) Methyl Methacrylate	7.471	69	186557	2.140	ppbv	95
44) 2,2,4-Trimethylpentane	7.323	57	932386	2.217	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	150360	1.929	ppbv	97

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC002

Quant Time: Nov 08 00:09:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

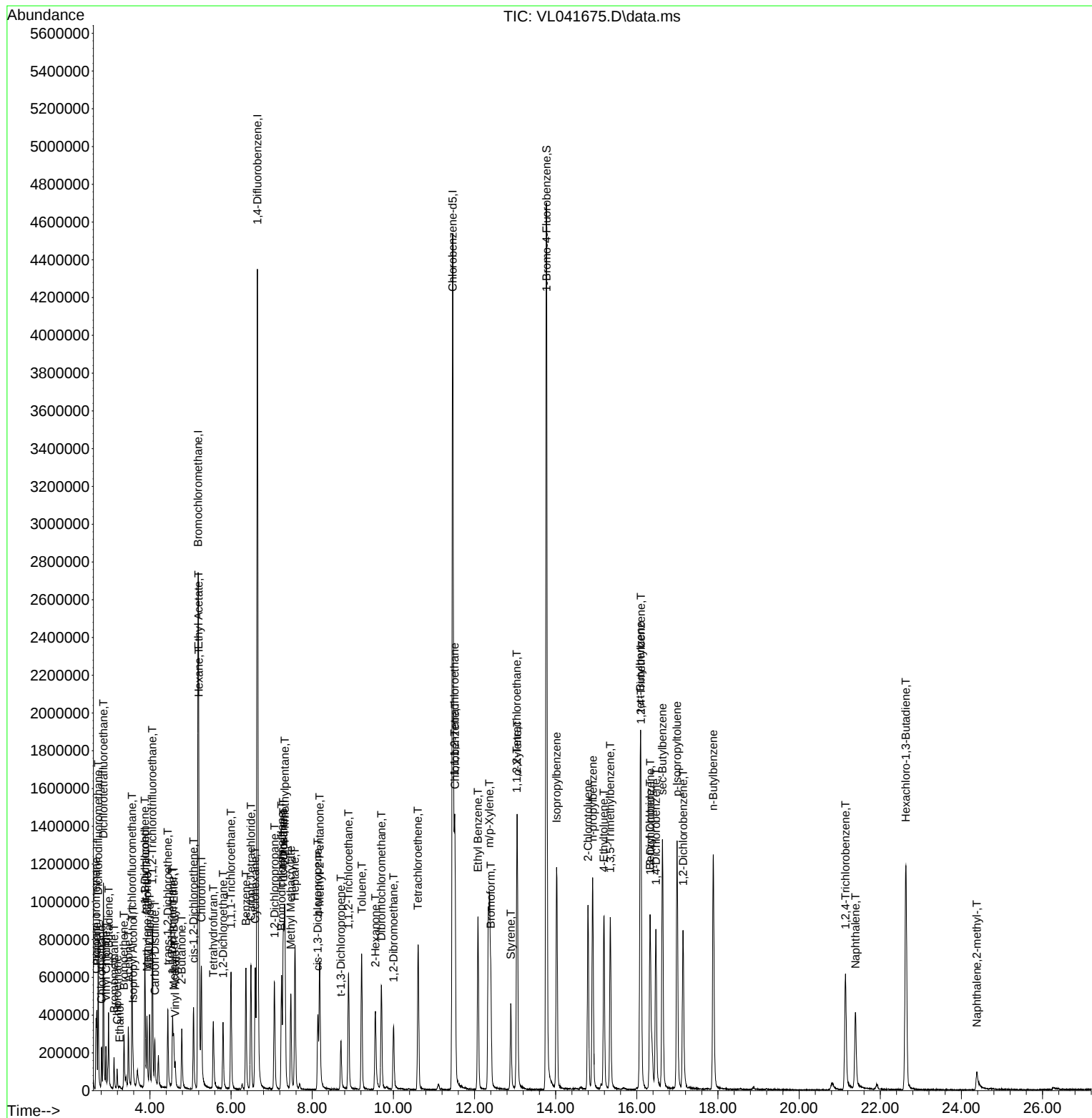
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	234294	2.069	ppbv	98
47) 1,1,2-Trichloroethane	8.893	97	122915	1.162	ppbv	94
48) Dibromochloromethane	9.703	129	342372	2.121	ppbv	99
49) Bromoform	12.404	173	286412	2.080	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	563317	2.198	ppbv	99
51) 2-Hexanone	9.558	43	402751	2.163	ppbv	97
52) Tetrachloroethene	10.606	164	105734	1.246	ppbv	98
53) Toluene	9.220	91	564332	2.161	ppbv	100
54) 1,2-Dibromoethane	10.005	107	279460	2.262	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.507	131	279872	2.130	ppbv #	1
57) Chlorobenzene	11.519	112	500524	2.128	ppbv	98
58) Ethyl Benzene	12.085	91	777614	2.225	ppbv	96
59) m/p-Xylene	12.368	91	715565	2.288	ppbv #	35
60) o-Xylene	13.053	91	674003	2.258	ppbv	98
61) Styrene	12.892	104	262837	2.133	ppbv	98
62) Isopropylbenzene	14.024	105	1030511	2.236	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.043	83	488021	2.245	ppbv	99
64) n-propylbenzene	14.915	120	271271	2.251	ppbv	94
65) tert-Butylbenzene	16.085	119	948395	2.290	ppbv	99
66) Benzyl Chloride	16.326	91	52484	1.759	ppbv #	96
67) sec-Butylbenzene	16.632	105	1349679	2.312	ppbv	99
69) p-Isopropyltoluene	16.992	119	1097205	2.324	ppbv	99
70) n-Butylbenzene	17.886	91	1109618	2.293	ppbv	99
71) 2-Chlorotoluene	14.796	91	745884	2.238	ppbv	100
72) 4-Ethyltoluene	15.188	105	777952	2.244	ppbv	100
73) 1,3,5-Trimethylbenzene	15.346	105	691387	2.274	ppbv	93
74) 1,2,4-Trimethylbenzene	16.101	105	796450	2.252	ppbv	96
75) 1,3-Dichlorobenzene	16.329	146	473241	2.167	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	448788	2.091	ppbv	97
77) 1,2-Dichlorobenzene	17.140	146	466190	2.149	ppbv	98
78) Hexachloro-1,3-Butadiene	22.628	225	367865	2.144	ppbv	99
79) Naphthalene	21.387	128	538842	2.478	ppbv	97
80) Naphthalene,2-methyl-	24.381	142	101409	2.513	ppbv	96
81) 1,2,4-Trichlorobenzene	21.143	180	287687	2.127	ppbv	99

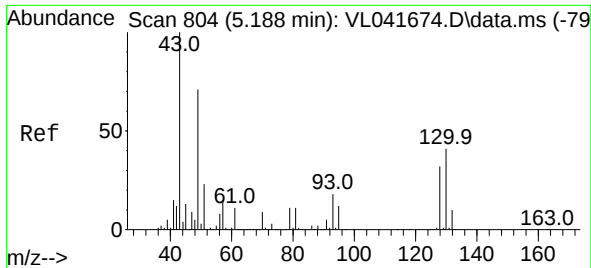
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Data File : VL041675.D
Acq On : 7 Nov 2024 10:55
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VSTDIC002

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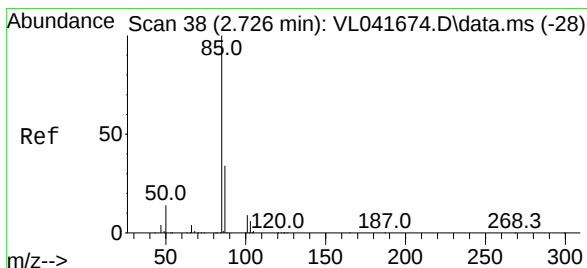
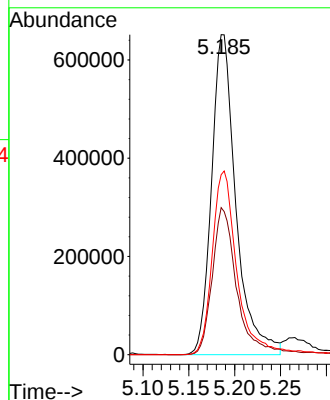
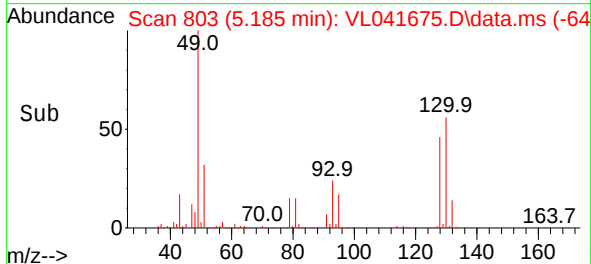
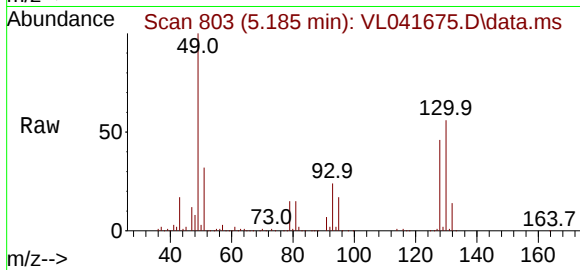




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

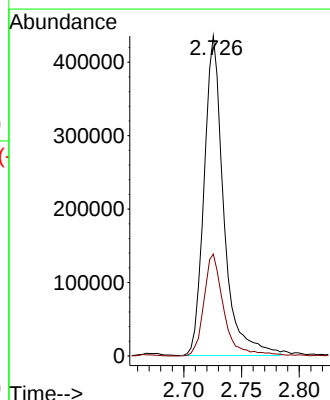
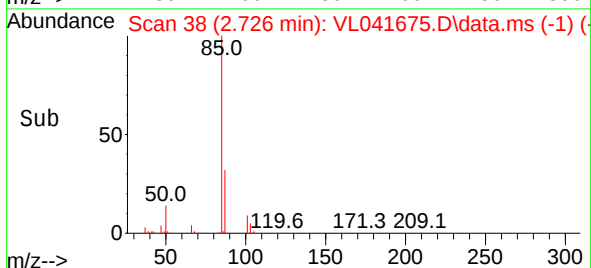
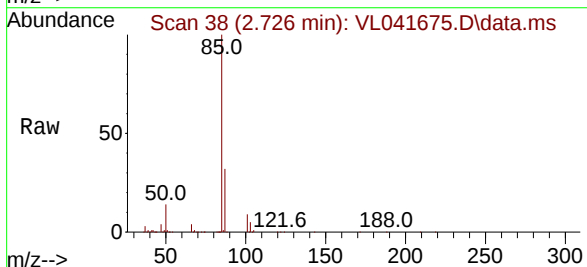
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

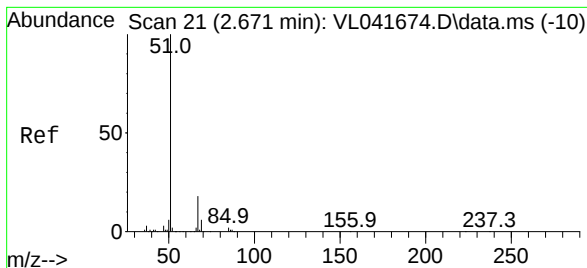
Tgt Ion: 49 Resp: 1208732
 Ion Ratio Lower Upper
 49 100
 128 47.2 23.8 71.2
 130 59.8 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 2.355 ppbv
 RT: 2.726 min Scan# 38
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 85 Resp: 514444
 Ion Ratio Lower Upper
 85 100
 87 31.9 26.8 40.2

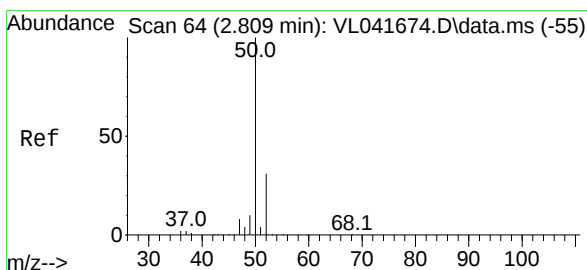
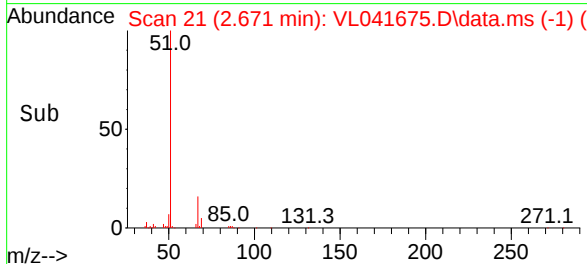
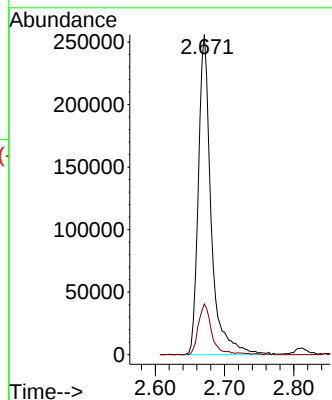
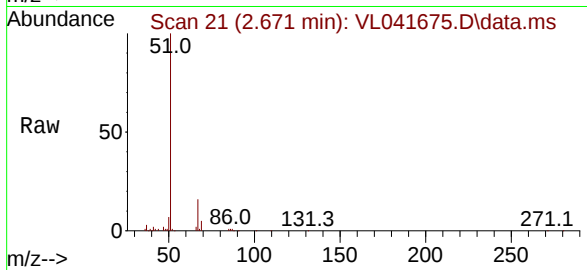




#3
 Chlorodifluoromethane
 Concen: 2.088 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

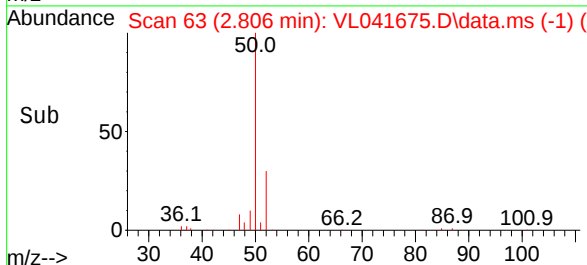
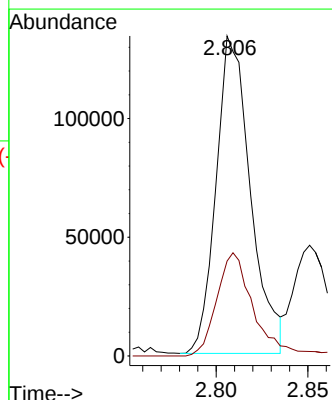
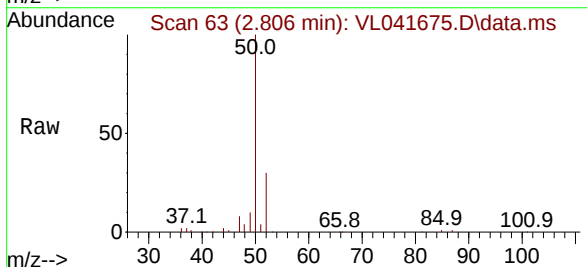
Instrument :
 MSVOA_L
 ClientSampleId :
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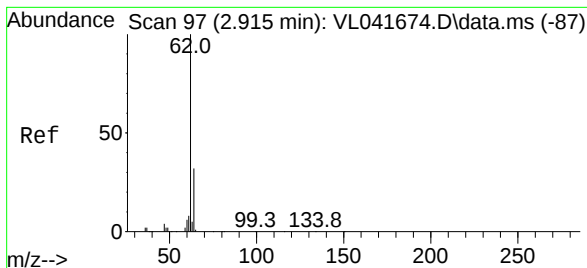
Tgt Ion: 51 Resp: 328832
 Ion Ratio Lower Upper
 51 100
 67 16.9 13.9 20.9



#4
 Chloromethane
 Concen: 2.088 ppbv
 RT: 2.806 min Scan# 63
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 50 Resp: 174215
 Ion Ratio Lower Upper
 50 100
 52 29.9 24.9 37.3

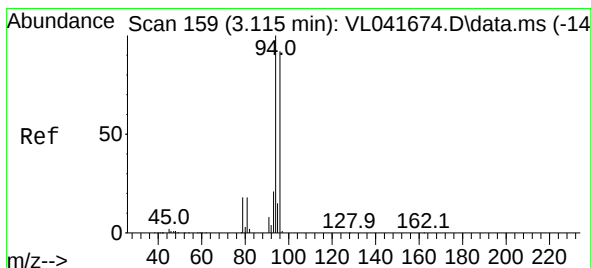
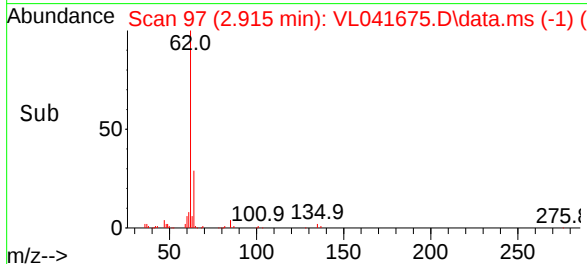
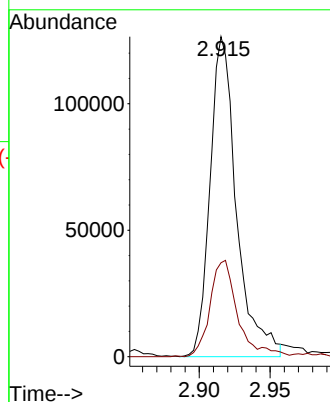
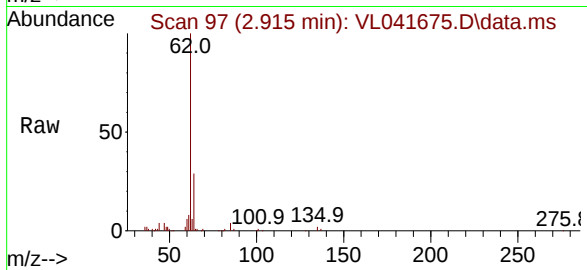




#5
 Vinyl Chloride
 Concen: 2.174 ppbv
 RT: 2.915 min Scan# 97
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

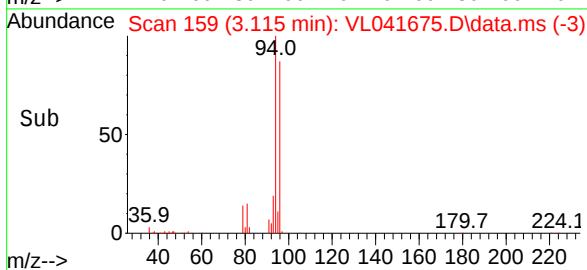
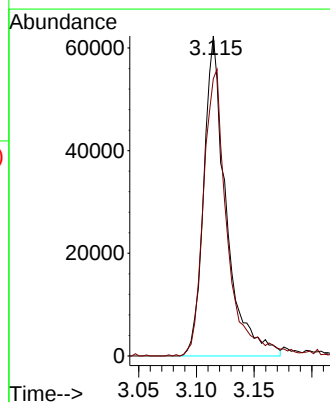
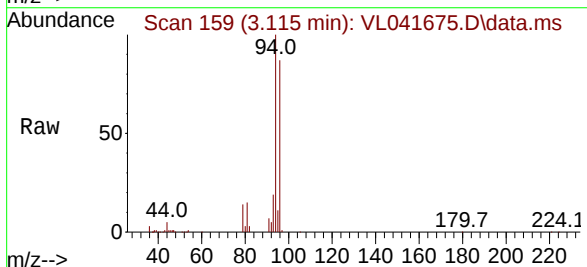
Instrument :
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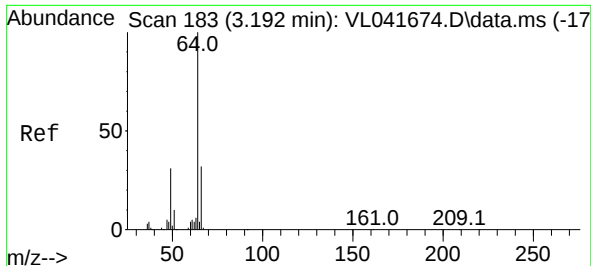
Tgt Ion: 62 Resp: 164345
 Ion Ratio Lower Upper
 62 100
 64 29.2 25.4 38.2



#6
 Bromomethane
 Concen: 2.108 ppbv
 RT: 3.115 min Scan# 159
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 94 Resp: 83930
 Ion Ratio Lower Upper
 94 100
 96 86.6 73.4 110.2

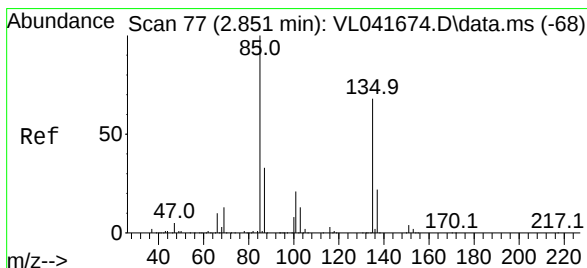
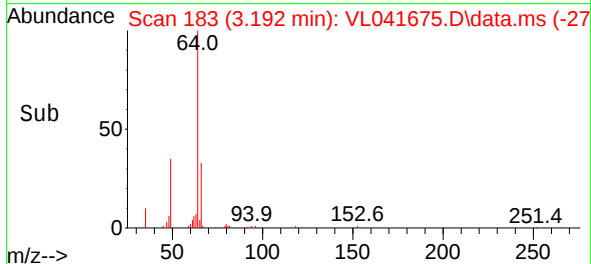
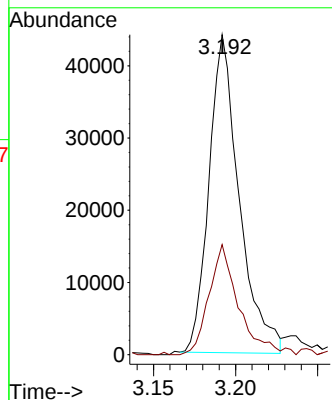
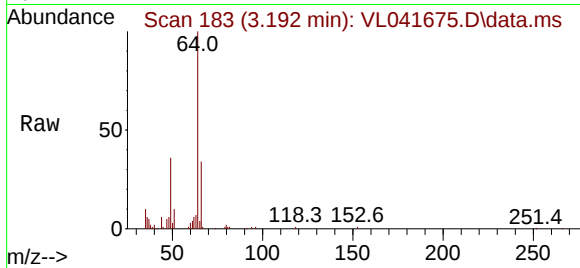




#7
Chloroethane
Concen: 2.057 ppbv
RT: 3.192 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

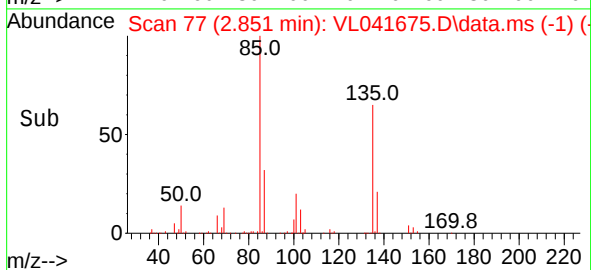
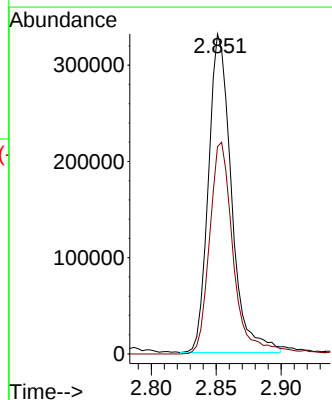
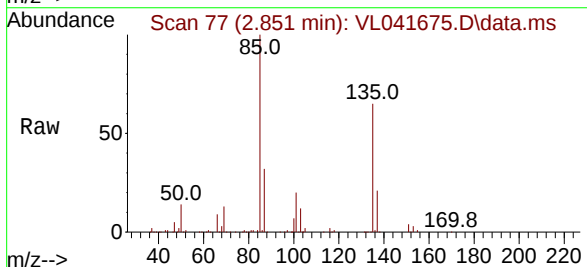
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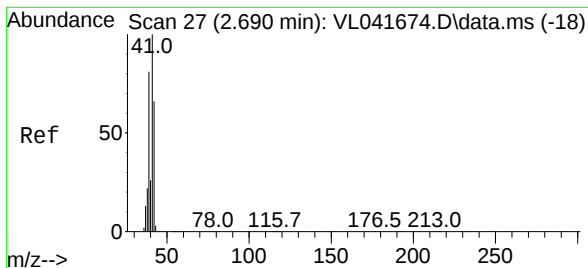
Tgt Ion: 64 Resp: 56344
Ion Ratio Lower Upper
64 100
66 35.0 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 2.089 ppbv
RT: 2.851 min Scan# 77
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 85 Resp: 407437
Ion Ratio Lower Upper
85 100
135 69.7 55.5 83.3





#9

Propene

Concen: 2.125 ppbv

RT: 2.690 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

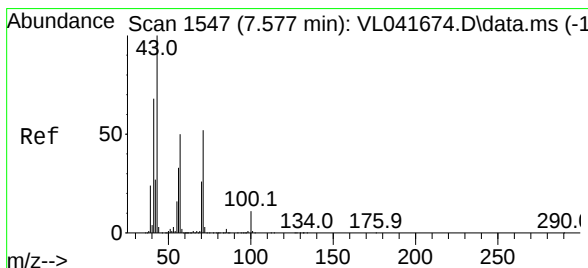
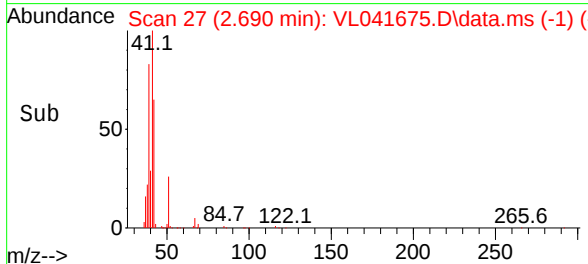
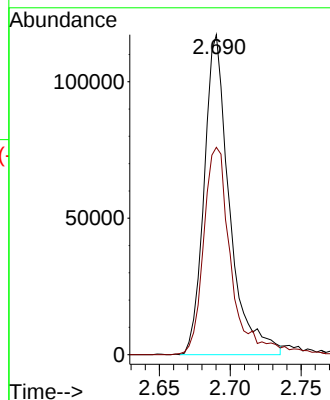
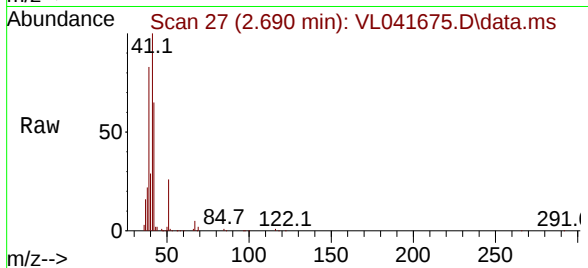
VSTDIC002

Tgt Ion: 41 Resp: 145858

Ion Ratio Lower Upper

41 100

42 71.6 55.0 82.4



#10

Heptane

Concen: 2.145 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. -0.003 min

Lab File: VL041675.D

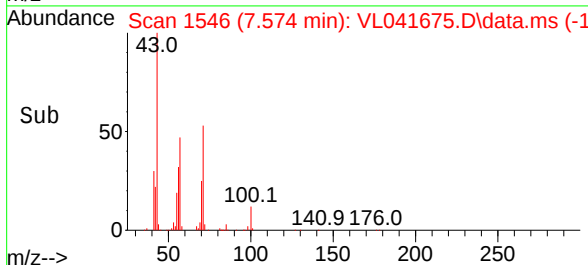
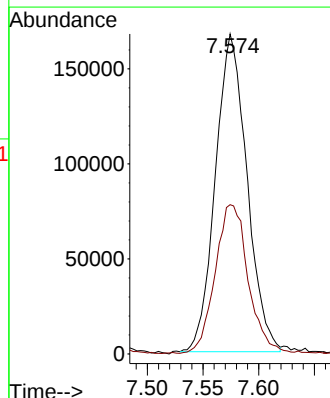
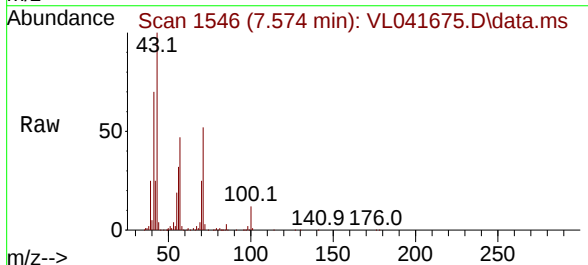
Acq: 7 Nov 2024 10:55

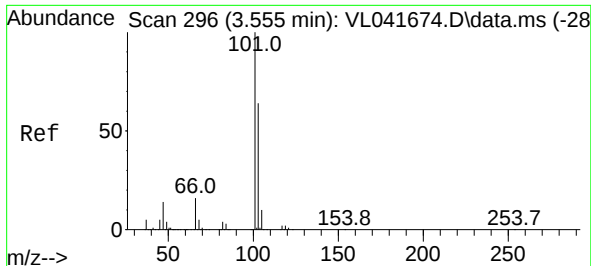
Tgt Ion: 43 Resp: 329781

Ion Ratio Lower Upper

43 100

57 50.1 40.0 60.0





#11

Trichlorofluoromethane

Concen: 2.126 ppbv

RT: 3.558 min Scan# 296

Delta R.T. 0.003 min

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ClientSampleId :

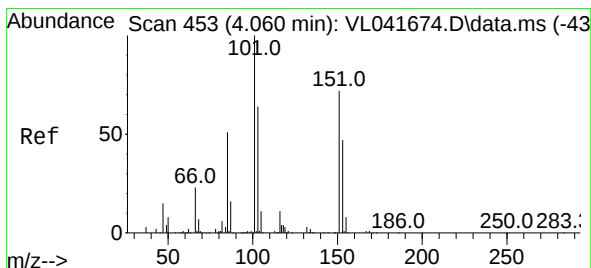
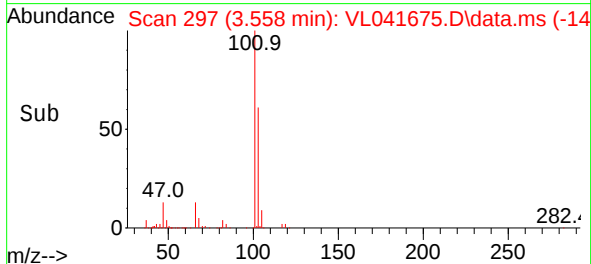
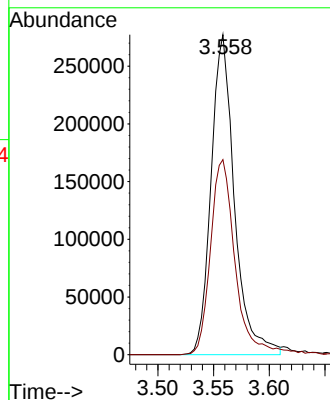
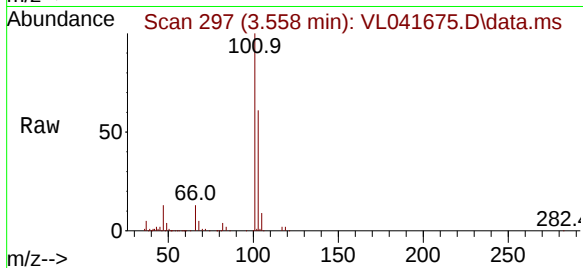
VSTDIC002

Tgt Ion:101 Resp: 404483

Ion Ratio Lower Upper

101 100

103 61.0 51.0 76.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.122 ppbv

RT: 4.060 min Scan# 453

Delta R.T. 0.000 min

Lab File: VL041675.D

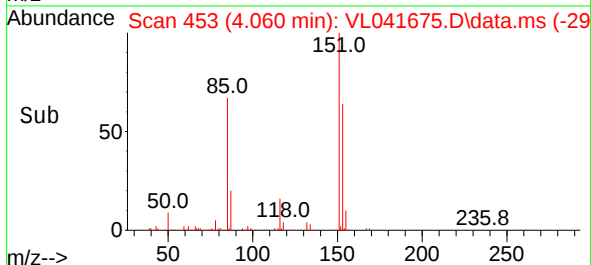
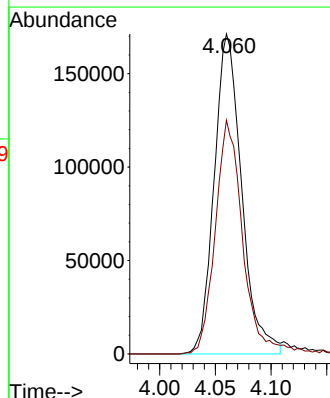
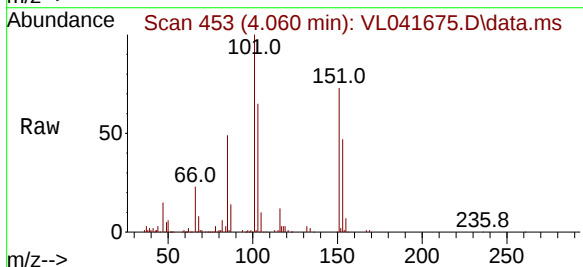
Acq: 7 Nov 2024 10:55

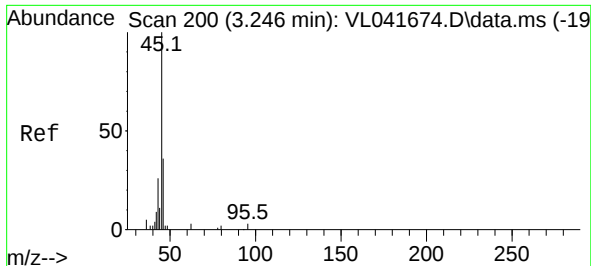
Tgt Ion:101 Resp: 293463

Ion Ratio Lower Upper

101 100

151 74.0 59.1 88.7





#13

Ethanol

Concen: 1.439 ppbv

RT: 3.253 min Scan# 200

Delta R.T. 0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

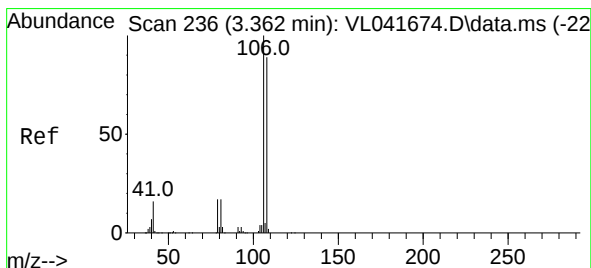
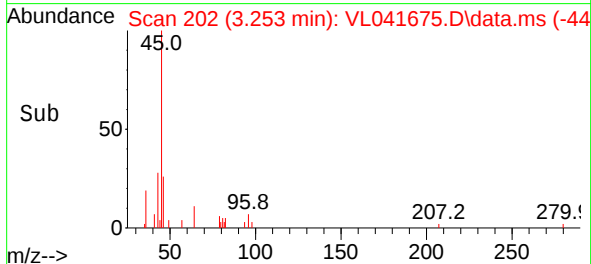
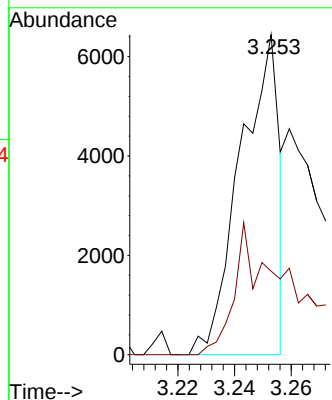
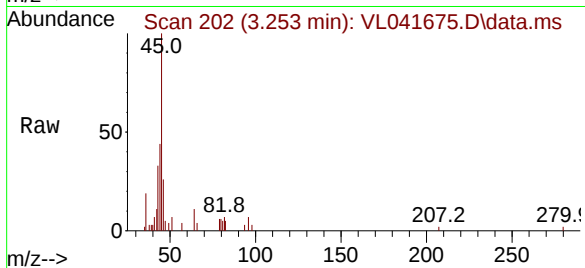
VSTDIC002

Tgt Ion: 45 Resp: 6143

Ion Ratio Lower Upper

45 100

46 69.3 13.8 55.2#



#14

Bromoethene

Concen: 2.071 ppbv

RT: 3.362 min Scan# 236

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

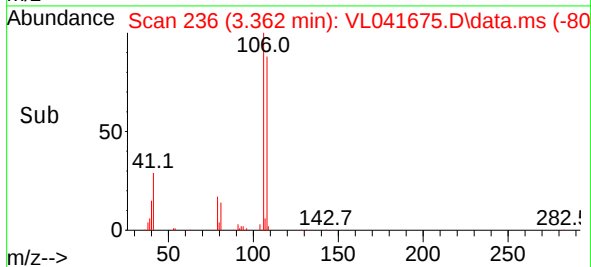
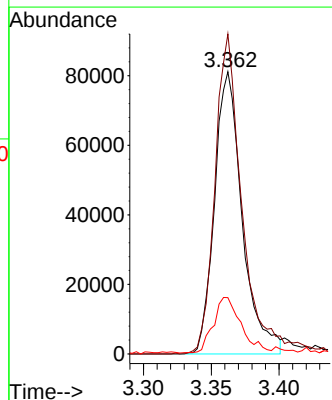
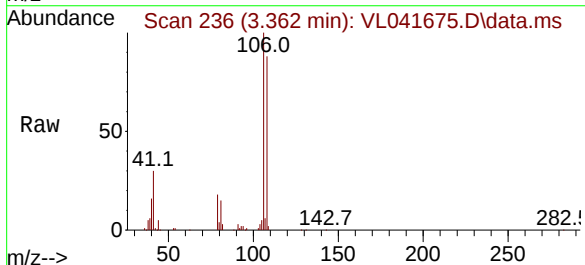
Tgt Ion:108 Resp: 115140

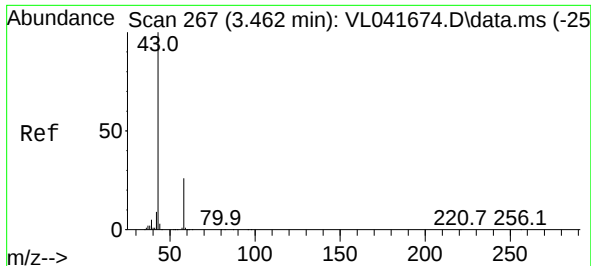
Ion Ratio Lower Upper

108 100

106 114.3 88.6 133.0

79 21.5 15.6 23.4





#15

Acetone

Concen: 2.190 ppbv

RT: 3.468 min Scan# 2

Delta R.T. 0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

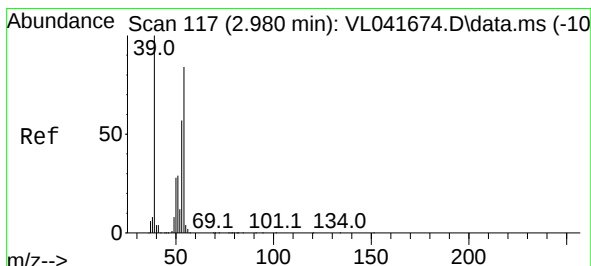
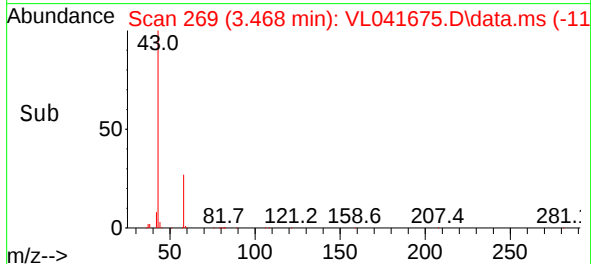
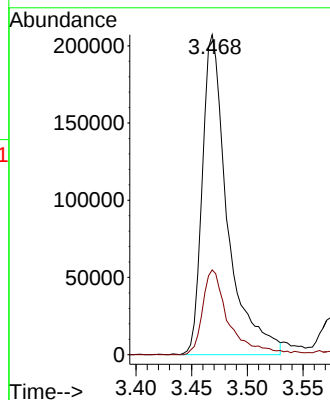
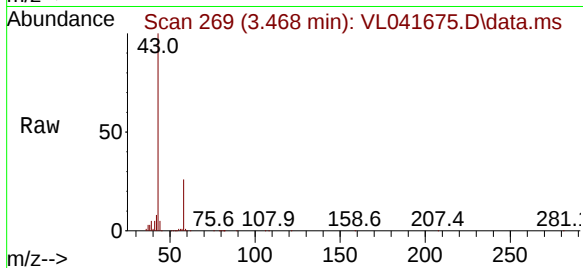
VSTDIC002

Tgt Ion: 43 Resp: 325763

Ion Ratio Lower Upper

43 100

58 27.9 21.4 32.0



#16

1,3-Butadiene

Concen: 2.232 ppbv

RT: 2.980 min Scan# 117

Delta R.T. 0.000 min

Lab File: VL041675.D

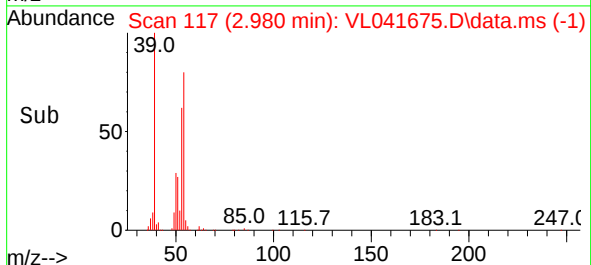
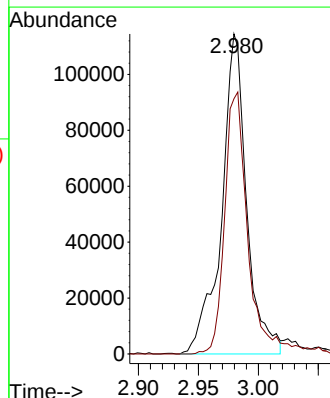
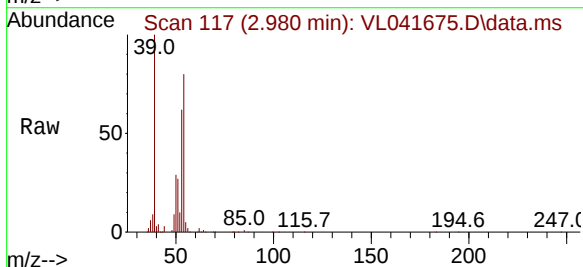
Acq: 7 Nov 2024 10:55

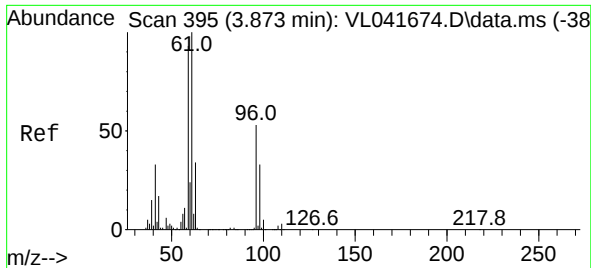
Tgt Ion: 39 Resp: 166496

Ion Ratio Lower Upper

39 100

54 76.8 61.3 91.9





#17

tert-Butyl alcohol

Concen: 1.919 ppbv

RT: 3.880 min Scan# 395

Delta R.T. 0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

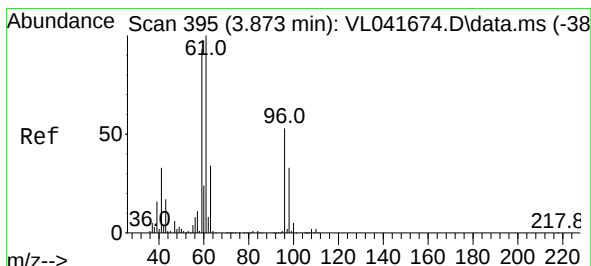
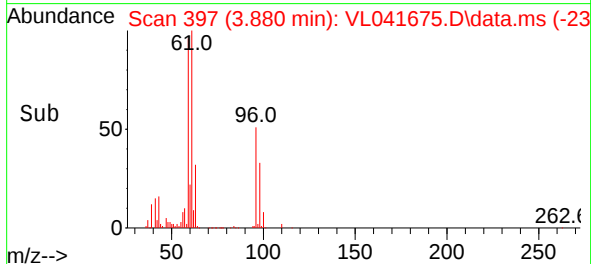
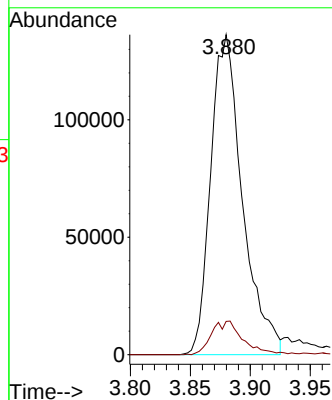
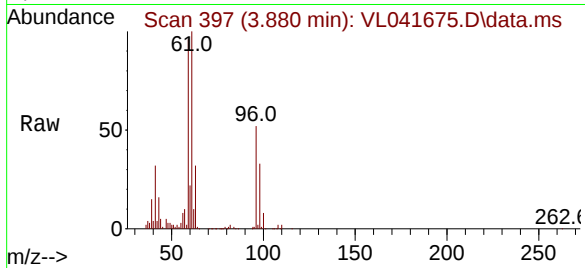
VSTDICC002

Tgt Ion: 59 Resp: 250452

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



#18

1,1-Dichloroethene

Concen: 2.075 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

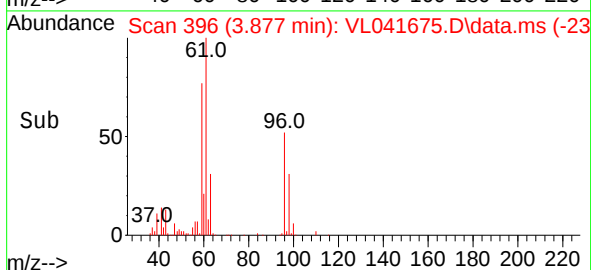
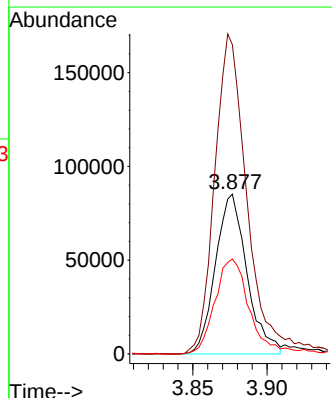
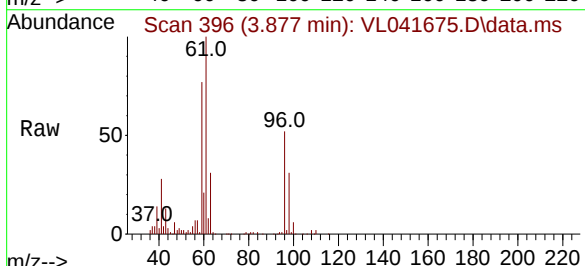
Tgt Ion: 96 Resp: 125850

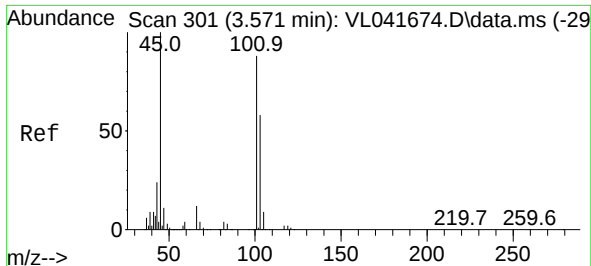
Ion Ratio Lower Upper

96 100

61 193.5 150.7 226.1

98 59.4 49.4 74.2





#19

Isopropyl Alcohol

Concen: 2.015 ppbv

RT: 3.581 min Scan# 301

Delta R.T. 0.010 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

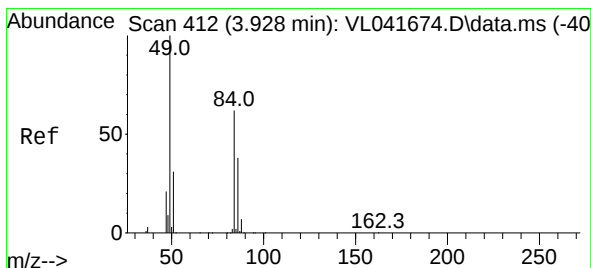
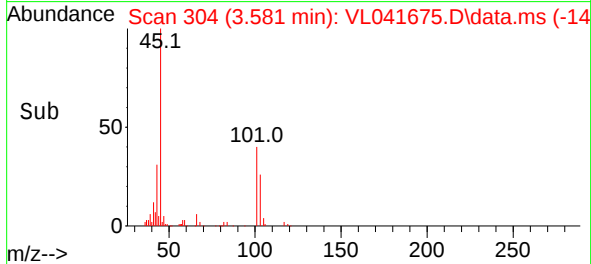
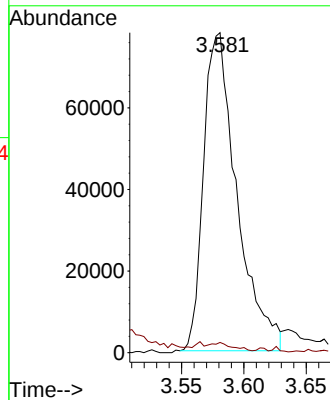
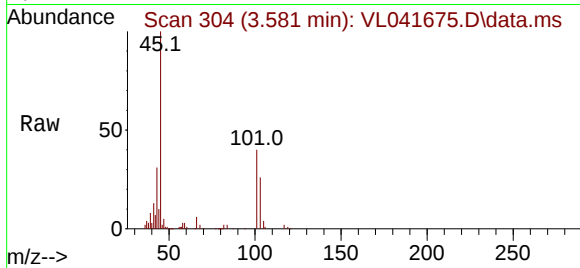
VSTDIC002

Tgt Ion: 45 Resp: 145112

Ion Ratio Lower Upper

45 100

58 3.8 2.5 3.7#



#20

Methylene Chloride

Concen: 1.972 ppbv

RT: 3.928 min Scan# 412

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion: 84 Resp: 107956

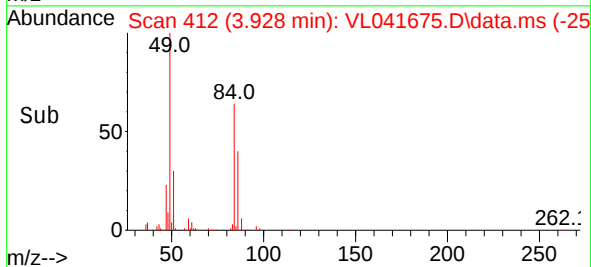
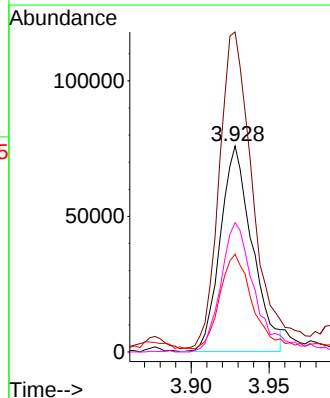
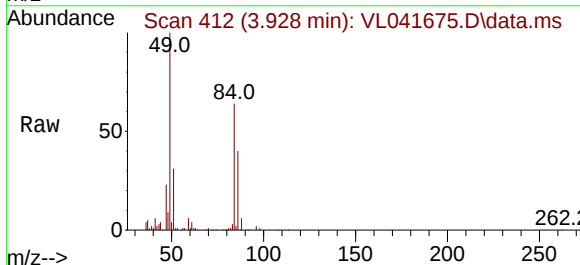
Ion Ratio Lower Upper

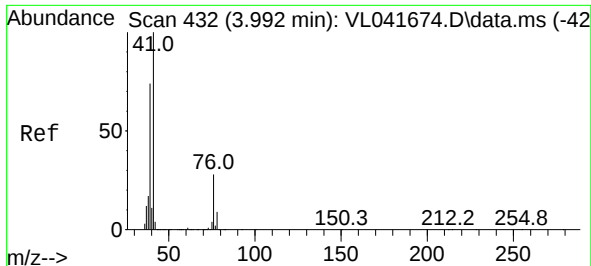
84 100

49 154.2 129.7 194.5

51 45.1 39.8 59.6

86 62.9 49.1 73.7

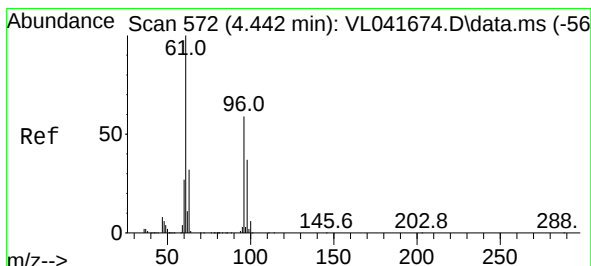
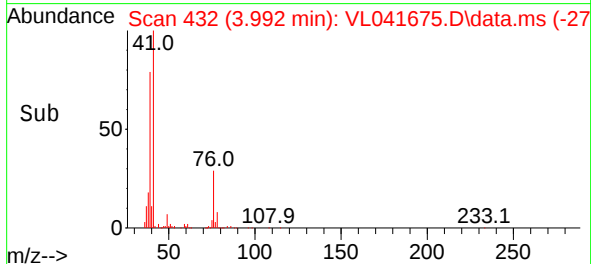
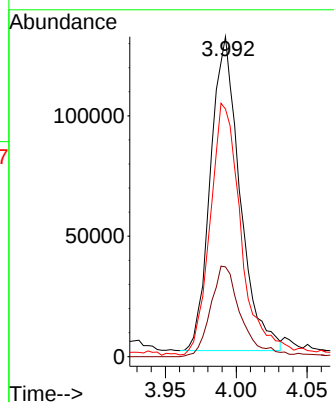
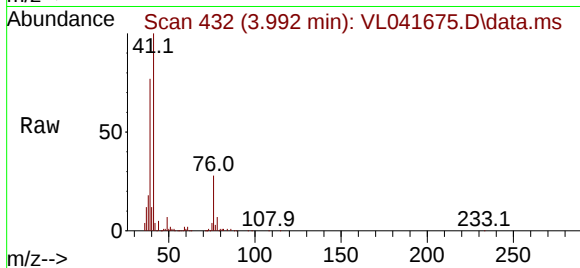




#21
 Allyl Chloride
 Concen: 2.046 ppbv
 RT: 3.992 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

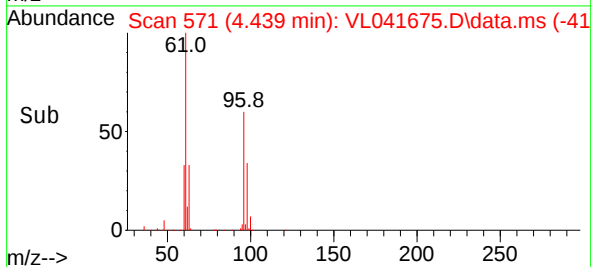
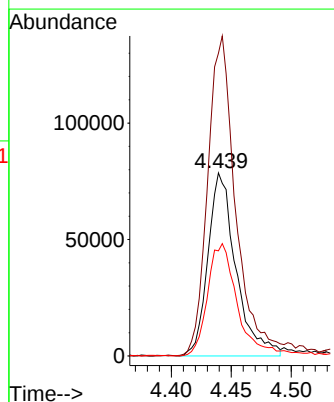
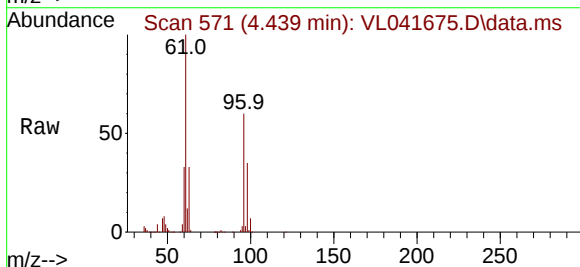
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

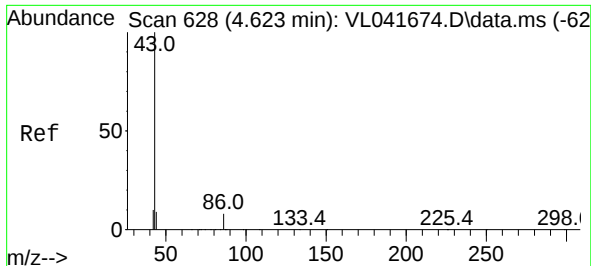
Tgt Ion: 41 Resp: 188103
 Ion Ratio Lower Upper
 41 100
 76 30.7 23.5 35.3
 39 86.5 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 2.114 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 96 Resp: 127951
 Ion Ratio Lower Upper
 96 100
 61 164.9 134.5 201.7
 98 57.4 49.6 74.4



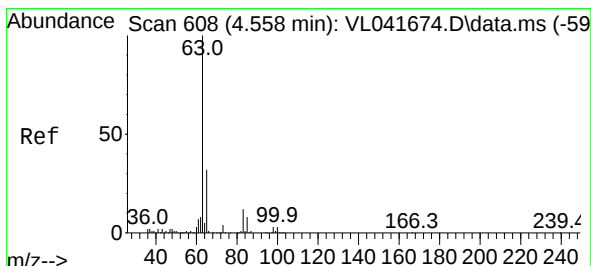
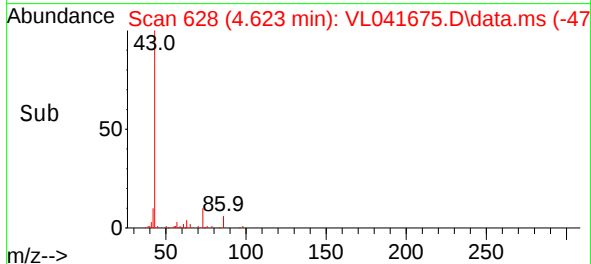
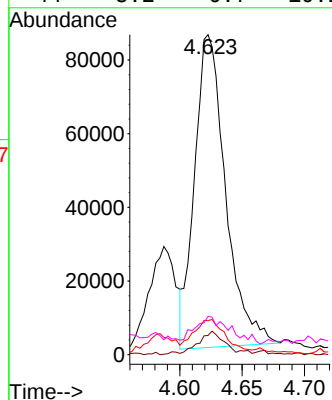
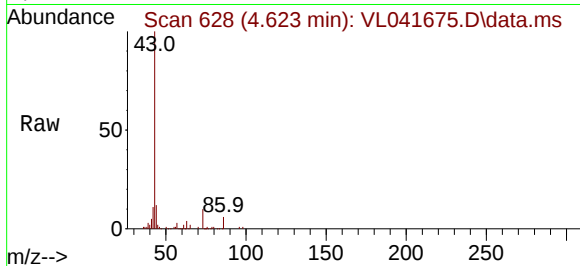


#23
 Vinyl Acetate
 Concen: 2.095 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 43 Resp: 146592

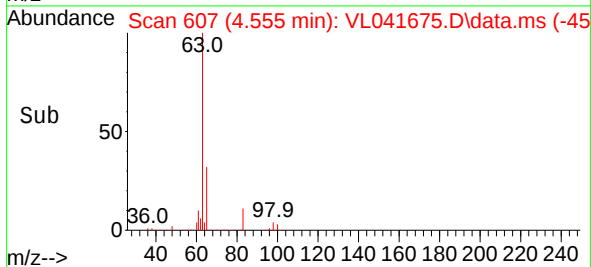
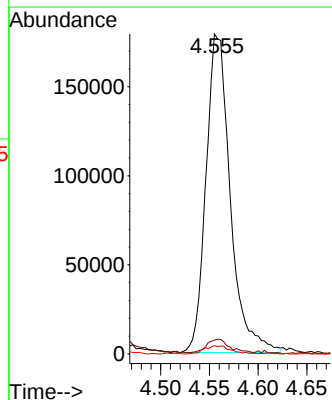
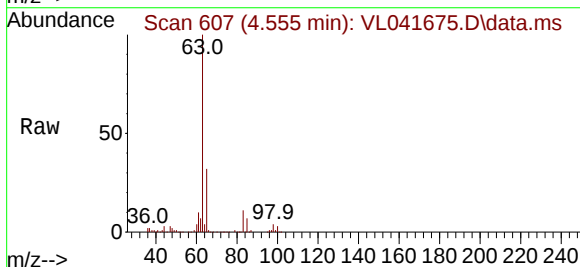
Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.3	7.9
42	10.1	8.5	12.7
44	8.2	6.7	10.1

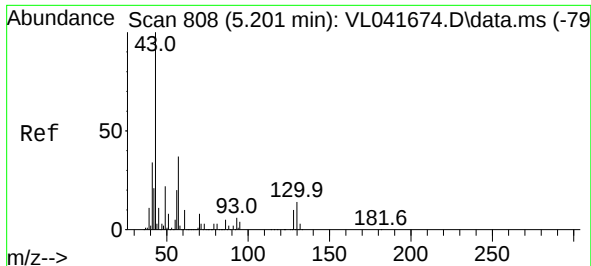


#24
 1,1-Dichloroethane
 Concen: 2.311 ppbv
 RT: 4.555 min Scan# 607
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 63 Resp: 311096

Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.8	5.4
100	2.7	1.4	4.2





#25

Ethyl Acetate

Concen: 2.105 ppbv

RT: 5.201 min Scan# 808

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 648134

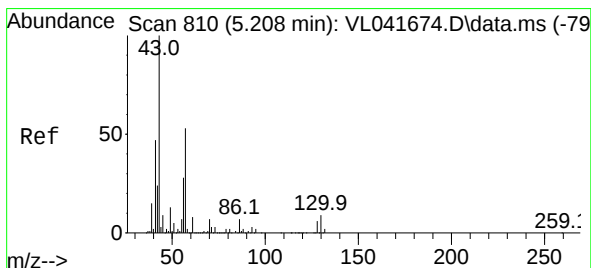
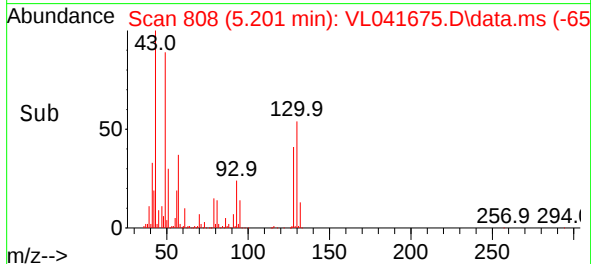
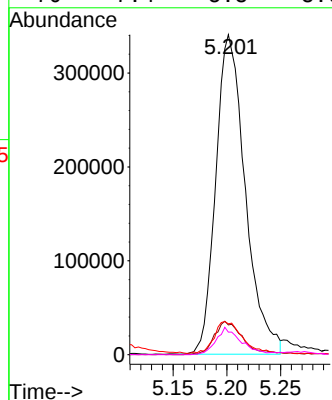
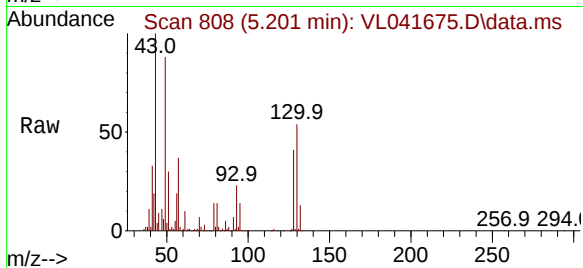
Ion Ratio Lower Upper

43 100

45 10.4 8.6 13.0

61 10.4 8.4 12.6

70 7.4 5.8 8.6



#26

Hexane

Concen: 2.095 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion: 57 Resp: 247802

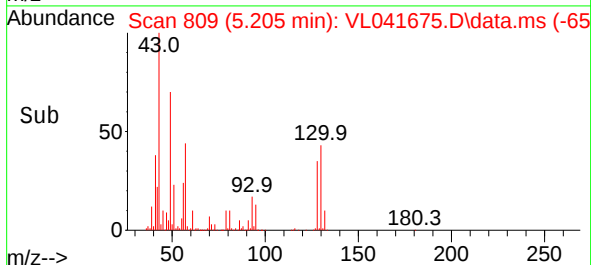
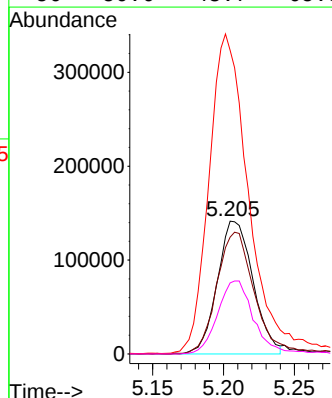
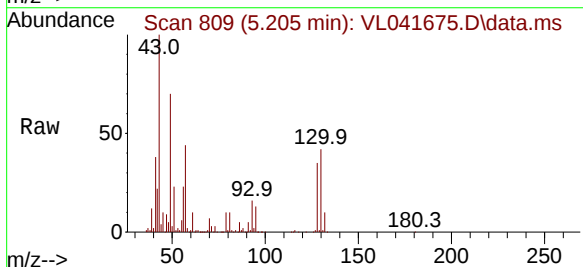
Ion Ratio Lower Upper

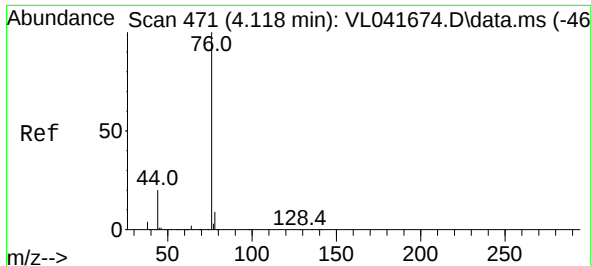
57 100

41 99.7 76.1 114.1

43 275.1 207.0 310.6

56 56.6 43.7 65.5





#27

Carbon Disulfide

Concen: 2.076 ppbv

RT: 4.121 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

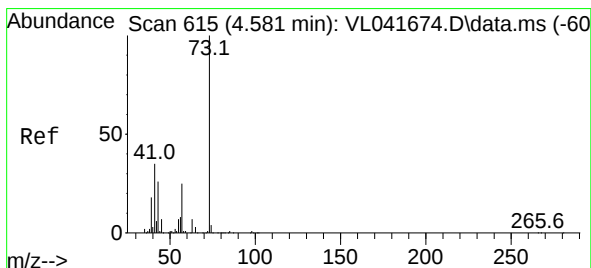
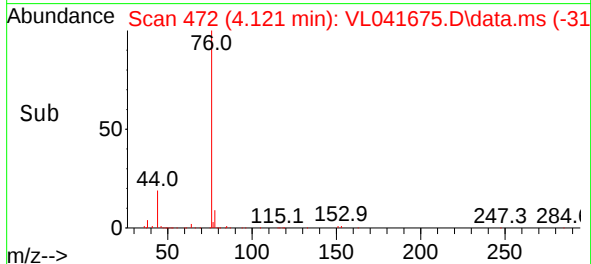
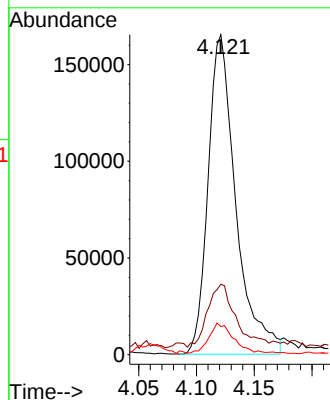
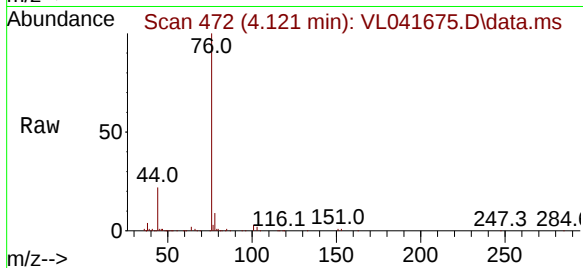
Tgt Ion: 76 Resp: 275871

Ion Ratio Lower Upper

76 100

44 25.2 15.8 23.8#

78 9.9 7.5 11.3



#28

Methyl tert-Butyl Ether

Concen: 2.345 ppbv

RT: 4.587 min Scan# 617

Delta R.T. 0.006 min

Lab File: VL041675.D

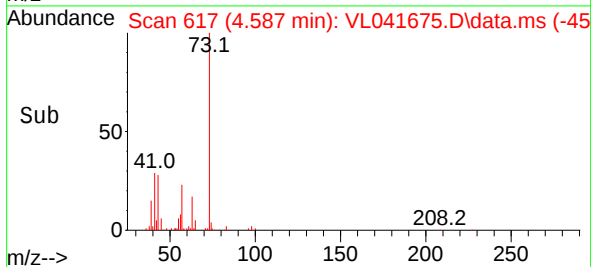
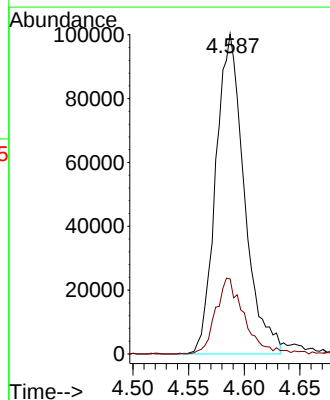
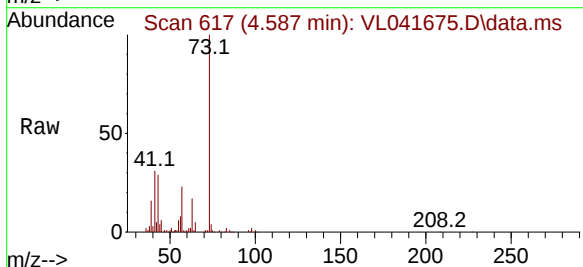
Acq: 7 Nov 2024 10:55

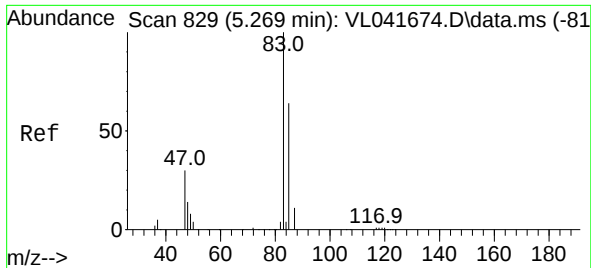
Tgt Ion: 73 Resp: 178647

Ion Ratio Lower Upper

73 100

57 24.3 19.6 29.4





#29

Chloroform

Concen: 2.037 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

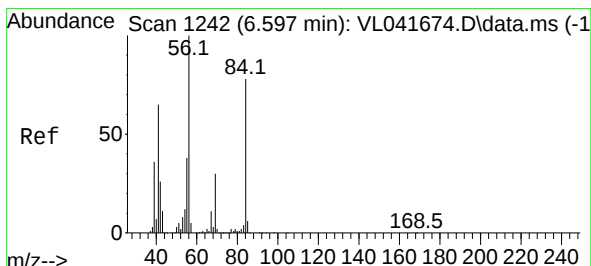
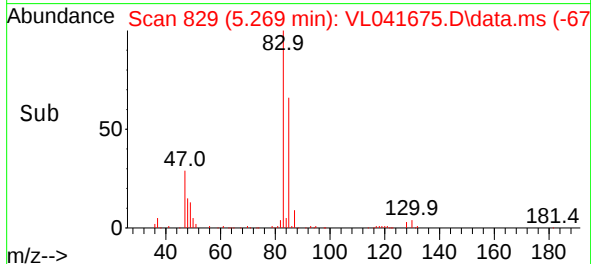
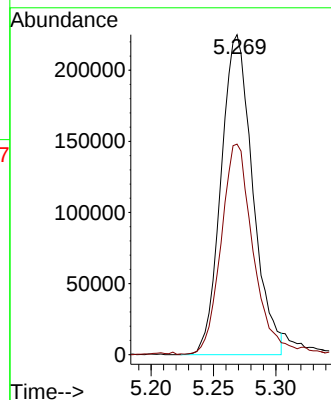
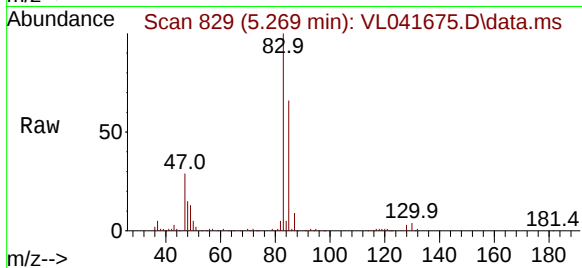
VSTDIC002

Tgt Ion: 83 Resp: 397794

Ion Ratio Lower Upper

83 100

85 65.5 51.1 76.7



#30

Cyclohexane

Concen: 2.167 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

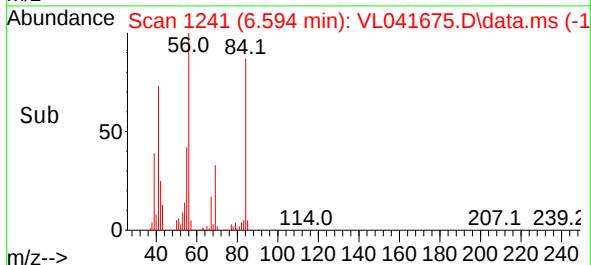
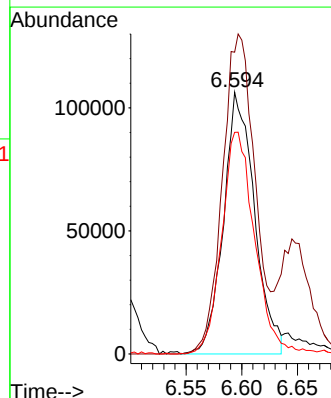
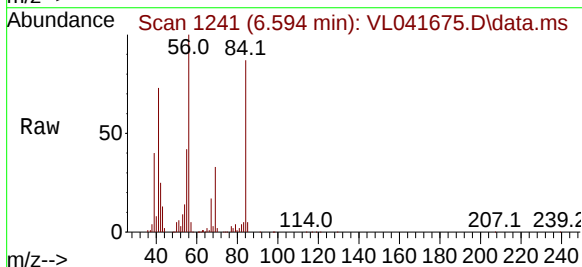
Tgt Ion: 84 Resp: 205987

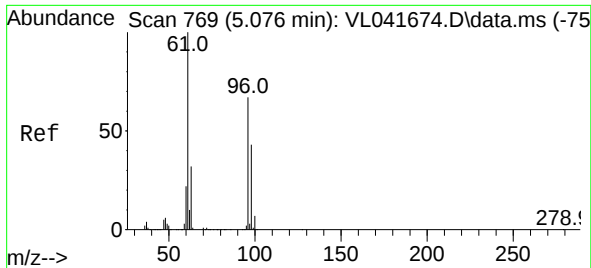
Ion Ratio Lower Upper

84 100

56 132.2 110.8 166.2

41 90.9 70.0 105.0

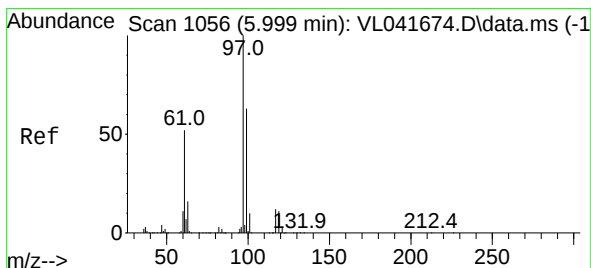
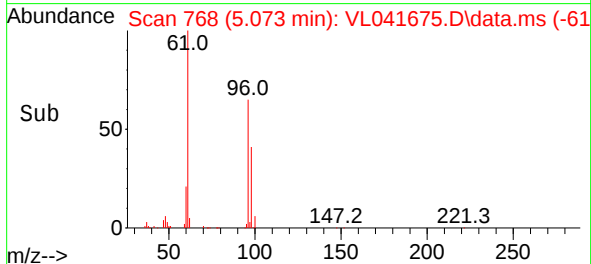
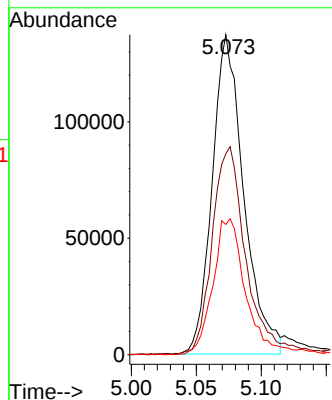
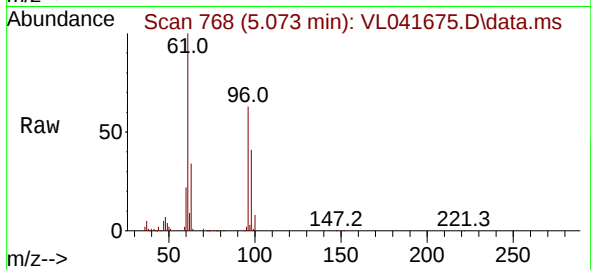




#31
 cis-1,2-Dichloroethene
 Concen: 2.037 ppbv
 RT: 5.073 min Scan# 769
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

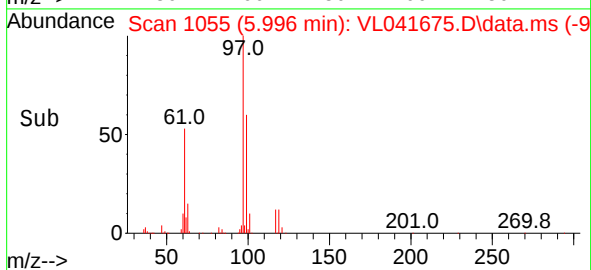
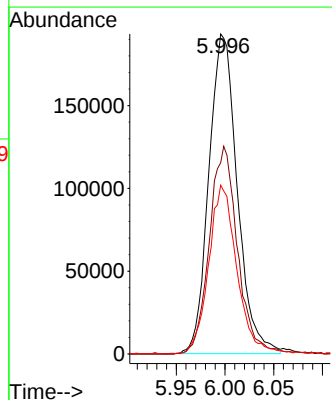
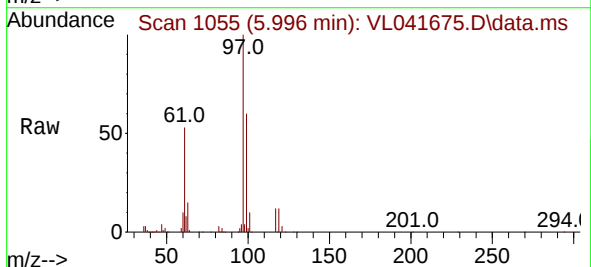
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

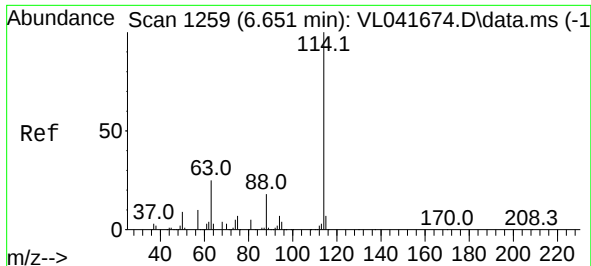
Tgt Ion: 61 Resp: 231792
 Ion Ratio Lower Upper
 61 100
 96 62.4 53.4 80.2
 98 40.6 34.0 51.0



#32
 1,1,1-Trichloroethane
 Concen: 2.186 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. -0.003 min
 Lab File: VL041675.D
 Acq: 7 Nov 2024 10:55

Tgt Ion: 97 Resp: 391289
 Ion Ratio Lower Upper
 97 100
 99 64.8 51.4 77.2
 61 53.0 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.648 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

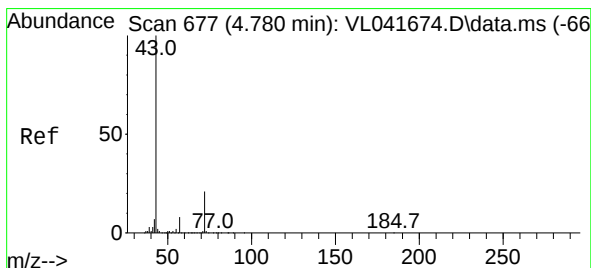
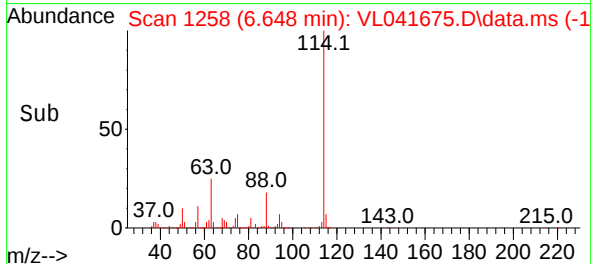
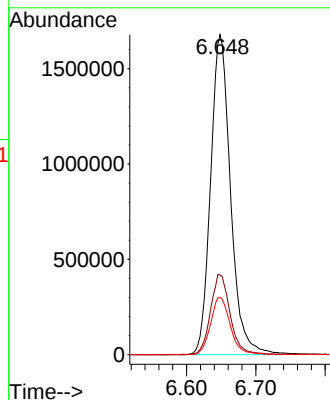
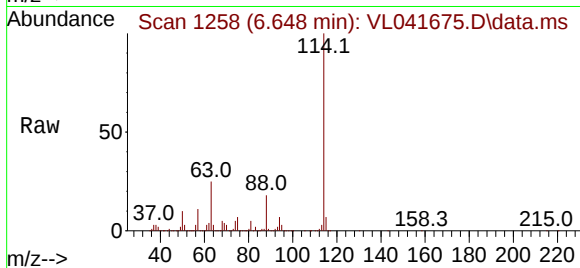
Tgt Ion:114 Resp: 3351063

Ion Ratio Lower Upper

114 100

63 24.9 20.3 30.5

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 2.105 ppbv

RT: 4.783 min Scan# 678

Delta R.T. 0.003 min

Lab File: VL041675.D

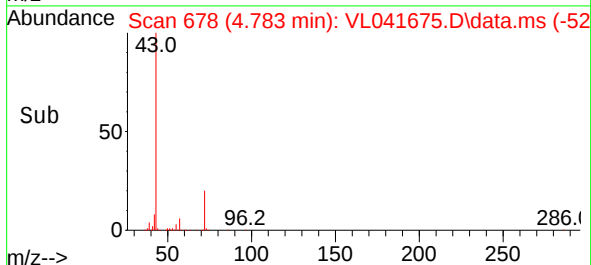
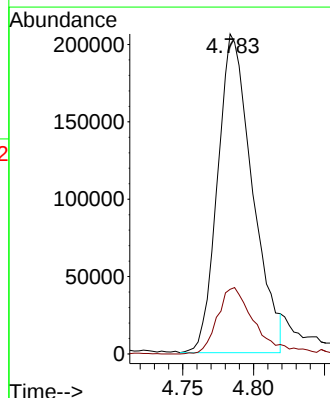
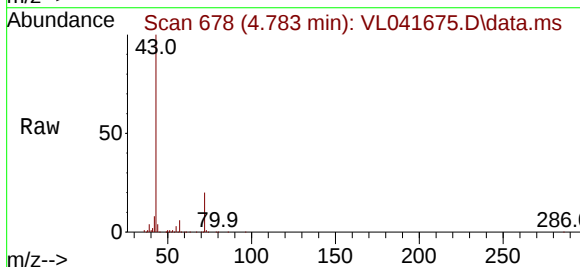
Acq: 7 Nov 2024 10:55

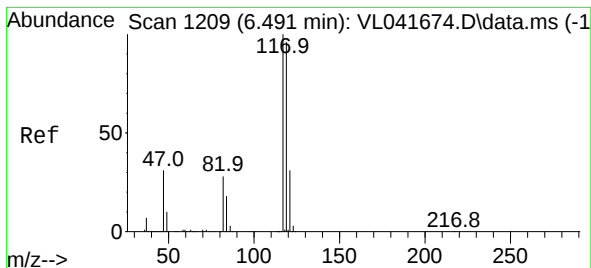
Tgt Ion: 43 Resp: 351257

Ion Ratio Lower Upper

43 100

72 23.3 17.4 26.0





#35

Carbon Tetrachloride

Concen: 2.257 ppbv

RT: 6.491 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

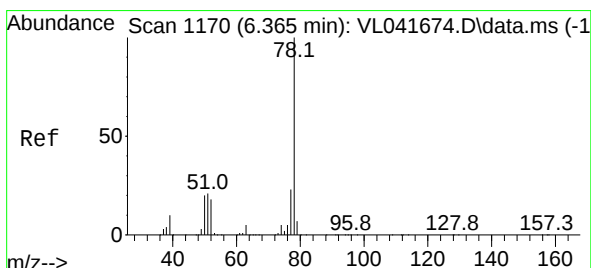
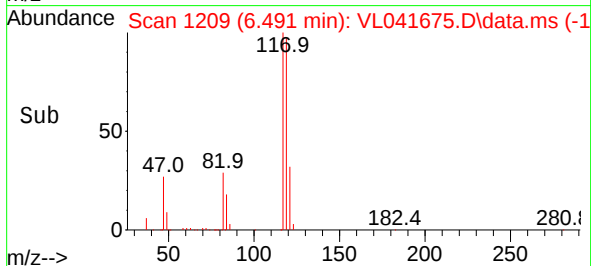
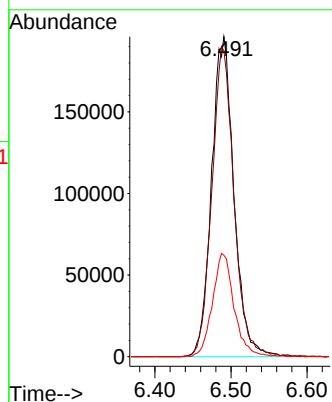
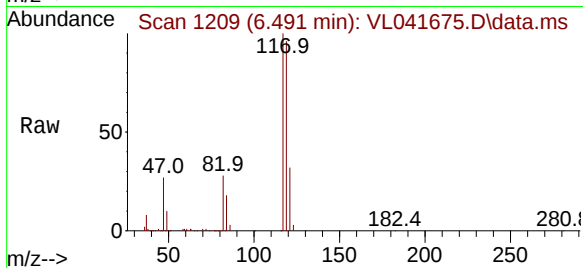
Tgt Ion:117 Resp: 399871

Ion Ratio Lower Upper

117 100

119 95.6 77.2 115.8

121 31.7 25.0 37.4



#36

Benzene

Concen: 2.169 ppbv

RT: 6.368 min Scan# 1171

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

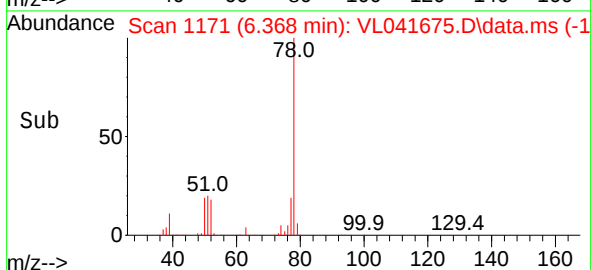
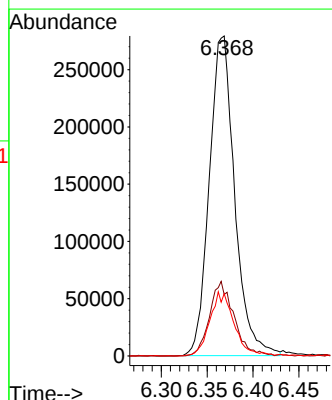
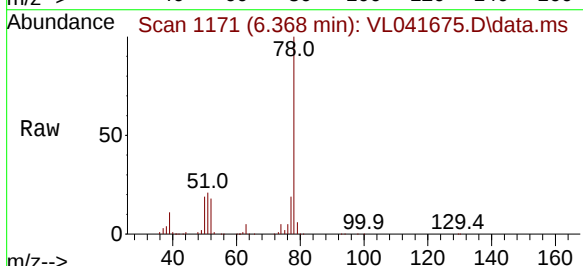
Tgt Ion: 78 Resp: 538471

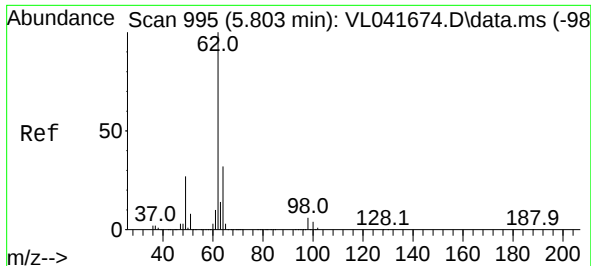
Ion Ratio Lower Upper

78 100

77 19.1 18.5 27.7

50 19.5 15.6 23.4





#37

1,2-Dichloroethane

Concen: 2.080 ppbv

RT: 5.803 min Scan# 995

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

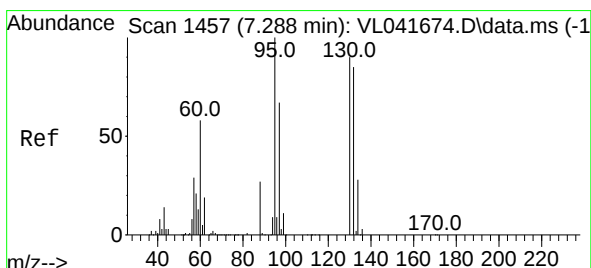
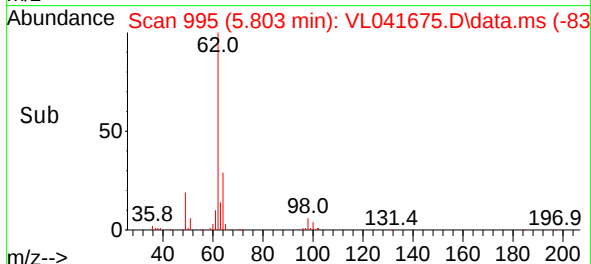
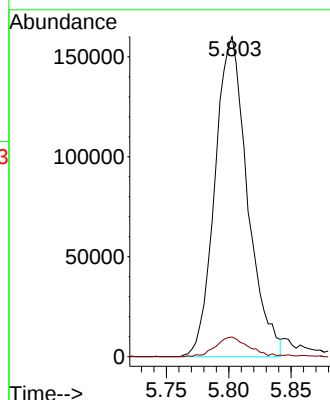
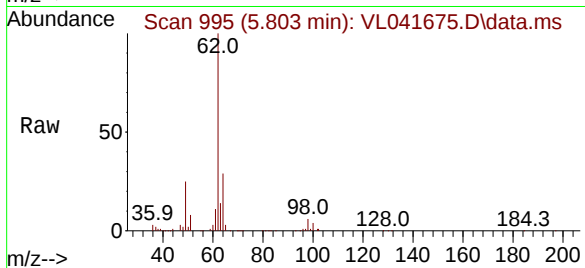
VSTDIC002

Tgt Ion: 62 Resp: 291330

Ion Ratio Lower Upper

62 100

98 6.6 5.2 7.8



#38

Trichloroethene

Concen: 2.237 ppbv

RT: 7.285 min Scan# 1456

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion:130 Resp: 214170

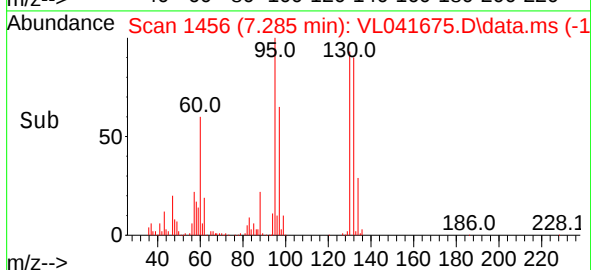
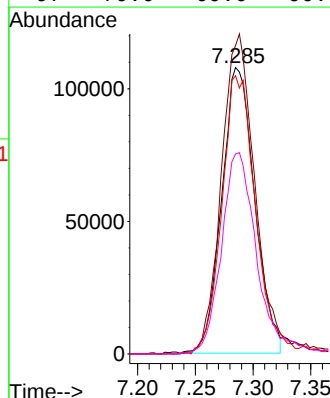
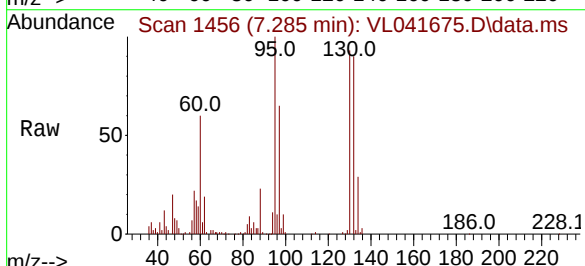
Ion Ratio Lower Upper

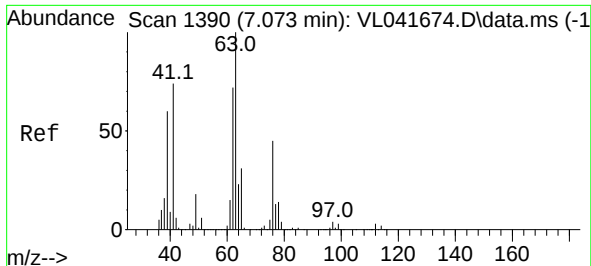
130 100

95 108.0 89.1 133.7

132 97.2 75.7 113.5

97 70.0 60.0 90.0





#39

1,2-Dichloropropane

Concen: 2.102 ppbv

RT: 7.069 min Scan# 14

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

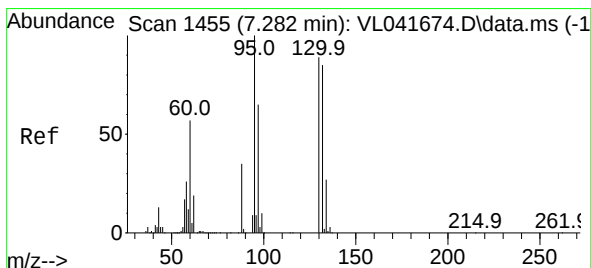
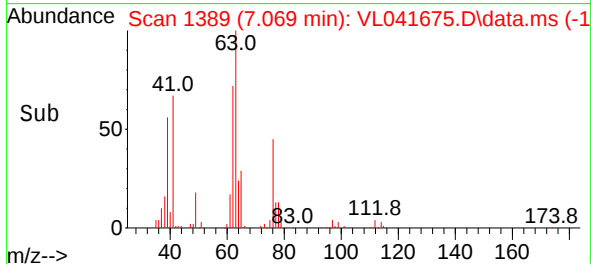
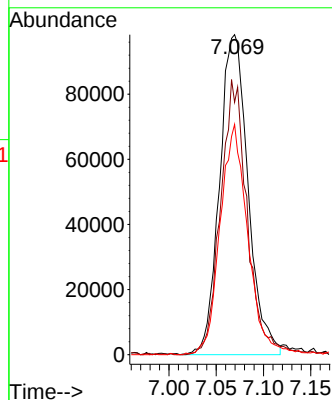
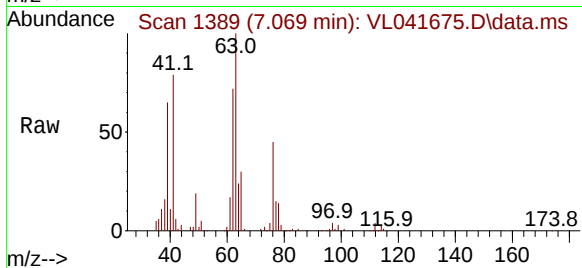
Tgt Ion: 63 Resp: 206245

Ion Ratio Lower Upper

63 100

41 78.9 59.1 88.7

62 72.0 57.7 86.5



#40

1,4-Dioxane

Concen: 0.994 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.010 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion: 88 Resp: 34545

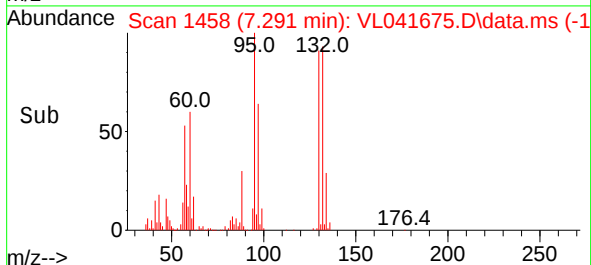
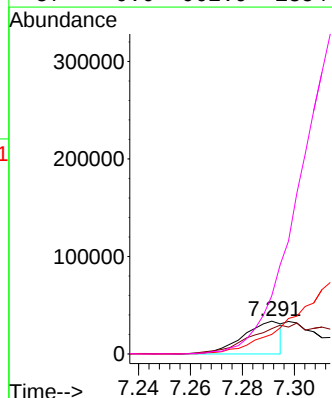
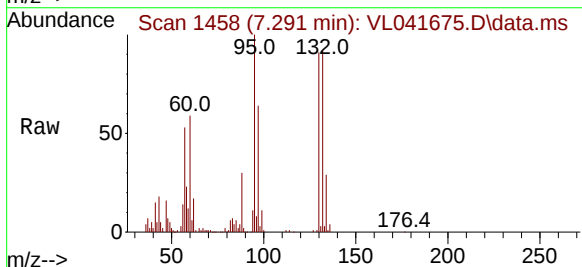
Ion Ratio Lower Upper

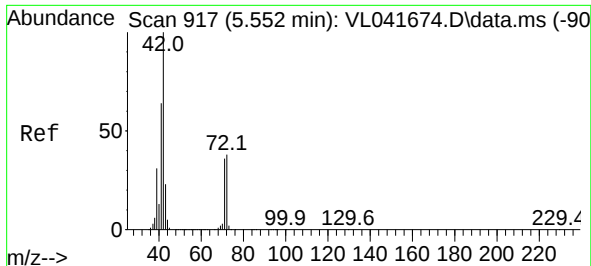
88 100

58 0.0 101.4 152.2#

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 2.173 ppbv

RT: 5.561 min Scan# 917

Delta R.T. 0.010 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

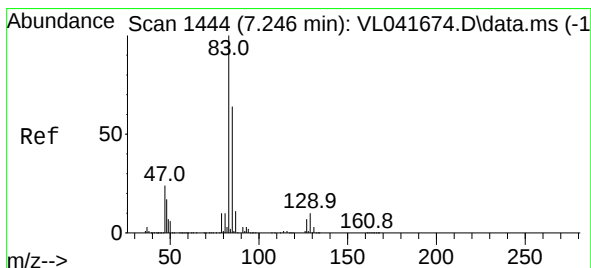
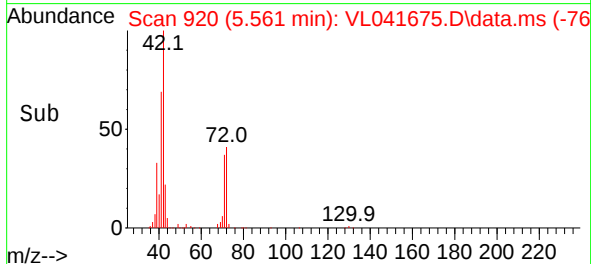
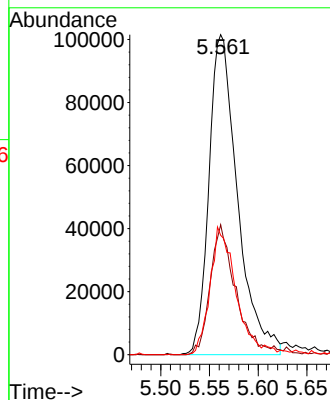
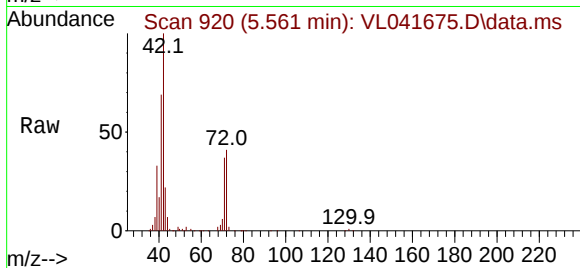
Tgt Ion: 42 Resp: 206889

Ion Ratio Lower Upper

42 100

72 37.7 29.8 44.6

71 37.8 29.4 44.2



#42

Bromodichloromethane

Concen: 2.116 ppbv

RT: 7.243 min Scan# 1443

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

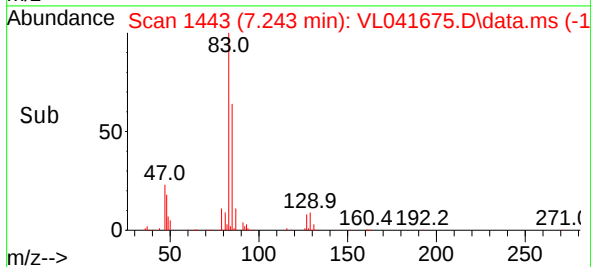
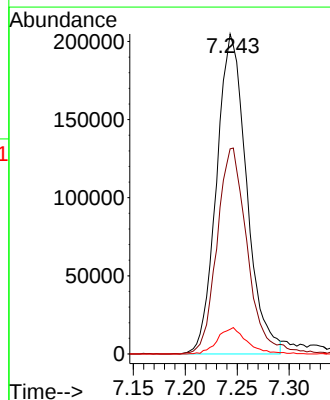
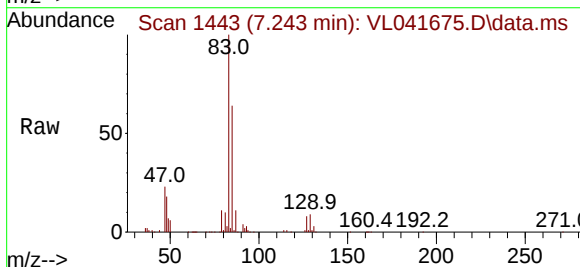
Tgt Ion: 83 Resp: 411846

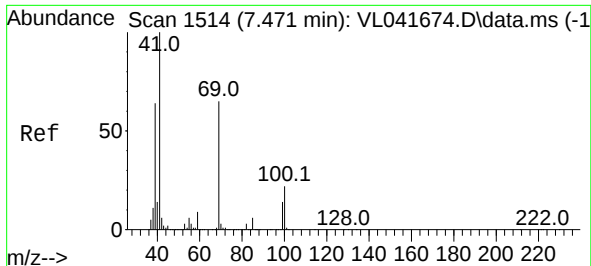
Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8

127 7.7 6.0 9.0





#43

Methyl Methacrylate

Concen: 2.140 ppbv

RT: 7.471 min Scan# 1514

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

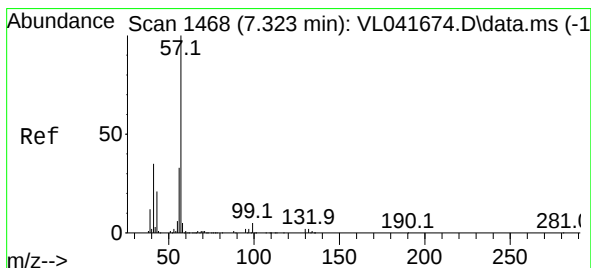
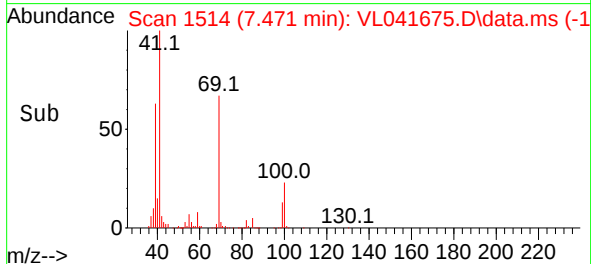
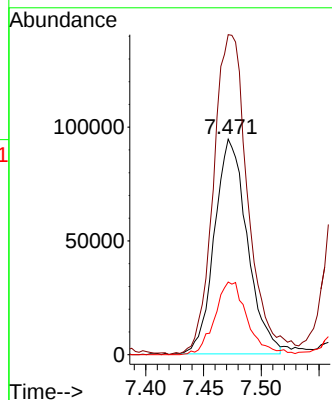
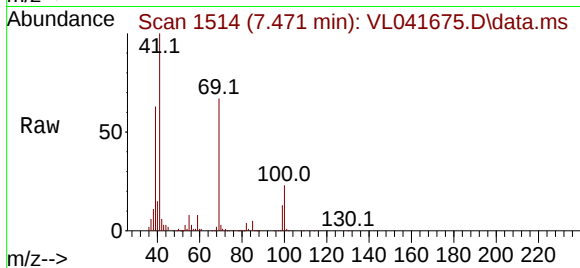
Tgt Ion: 69 Resp: 186557

Ion Ratio Lower Upper

69 100

41 157.8 119.8 179.6

100 33.6 27.3 40.9



#44

2,2,4-Trimethylpentane

Concen: 2.217 ppbv

RT: 7.323 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

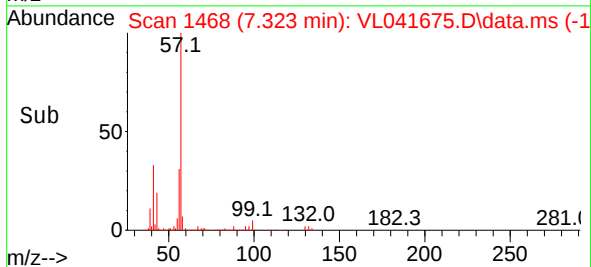
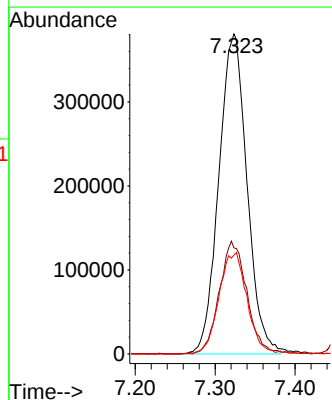
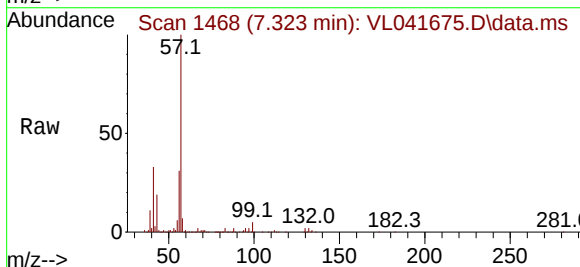
Tgt Ion: 57 Resp: 932386

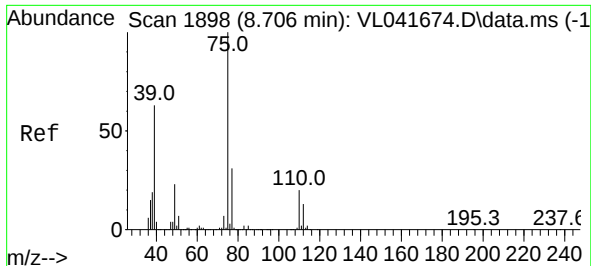
Ion Ratio Lower Upper

57 100

41 34.6 27.0 40.6

56 31.8 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 1.929 ppbv

RT: 8.709 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

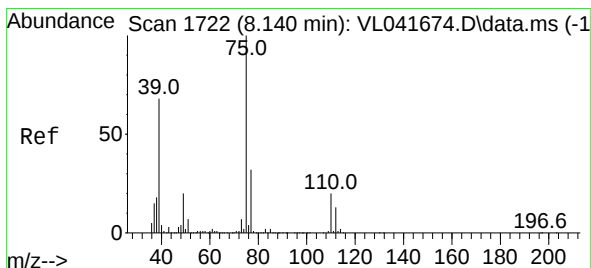
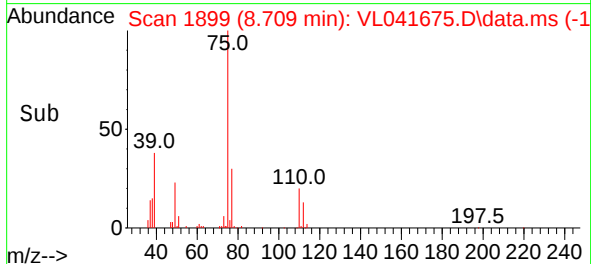
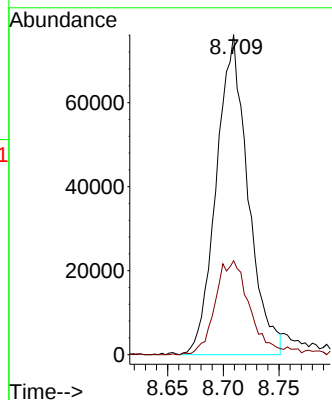
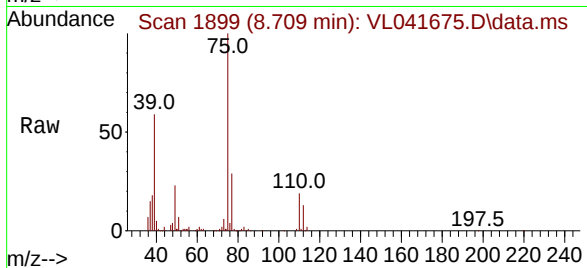
VSTDIC002

Tgt Ion: 75 Resp: 150360

Ion Ratio Lower Upper

75 100

77 29.4 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 2.069 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

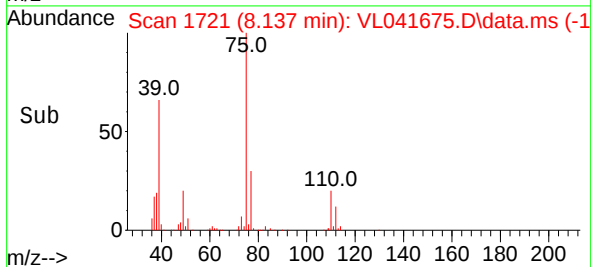
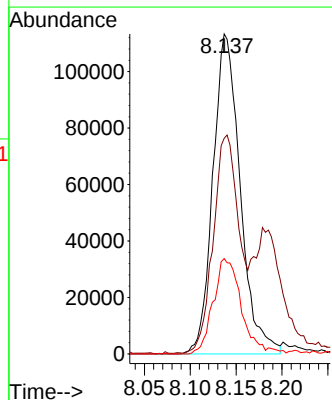
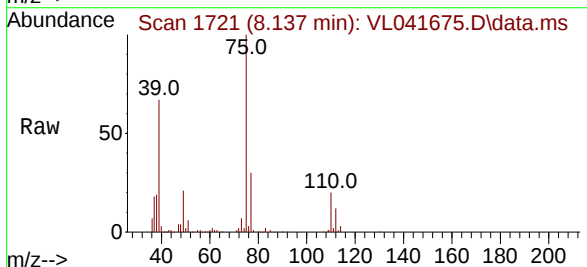
Tgt Ion: 75 Resp: 234294

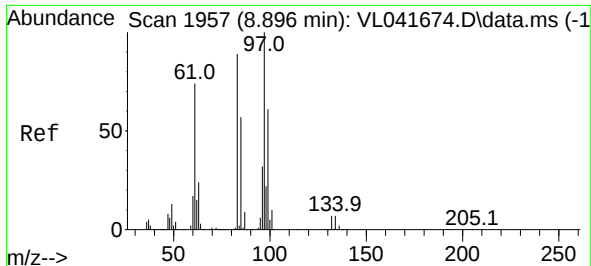
Ion Ratio Lower Upper

75 100

39 67.0 54.1 81.1

77 29.8 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 1.162 ppbv

RT: 8.893 min Scan# 1957

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 122915

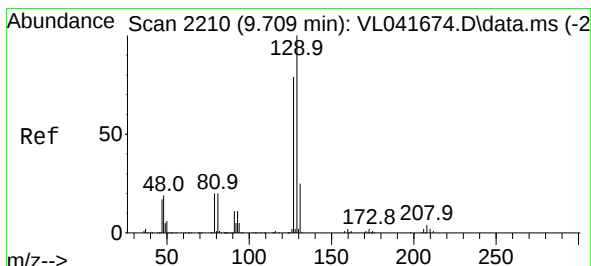
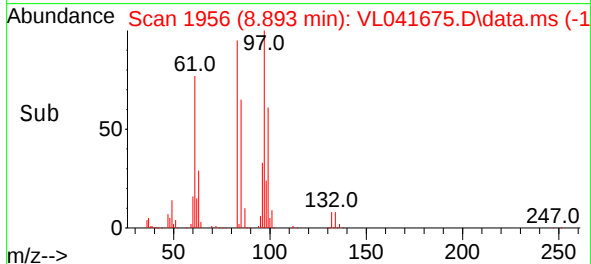
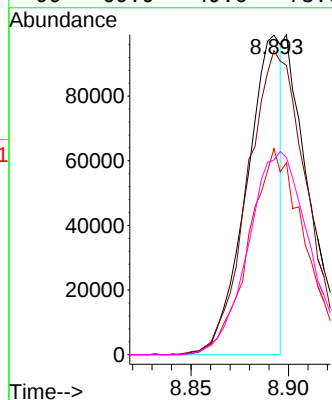
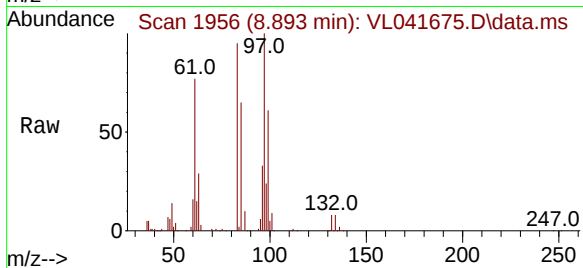
Ion Ratio Lower Upper

97 100

83 94.9 71.0 106.6

85 64.5 45.4 68.2

99 60.9 49.0 73.6



#48

Dibromochloromethane

Concen: 2.121 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.006 min

Lab File: VL041675.D

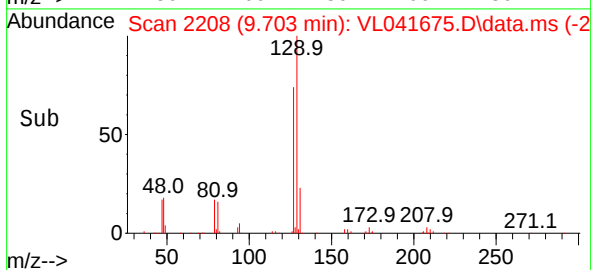
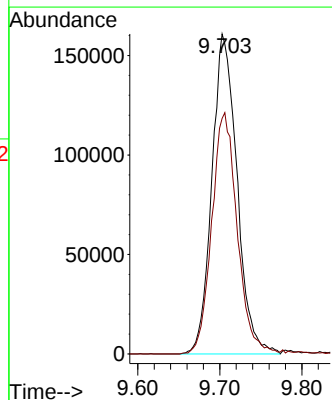
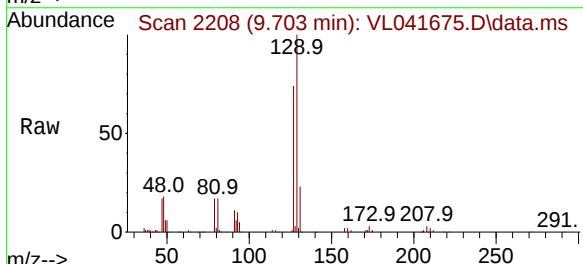
Acq: 7 Nov 2024 10:55

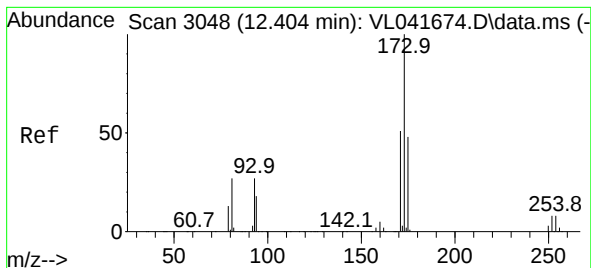
Tgt Ion: 129 Resp: 342372

Ion Ratio Lower Upper

129 100

127 77.3 39.1 117.2





#49

Bromoform

Concen: 2.080 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

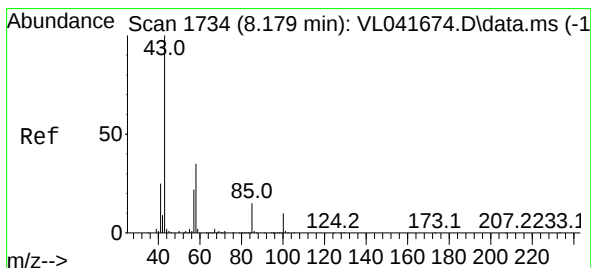
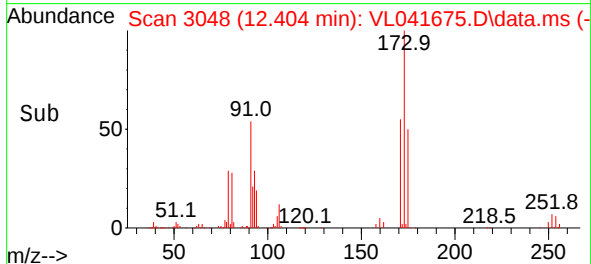
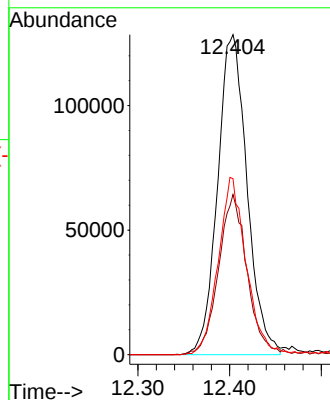
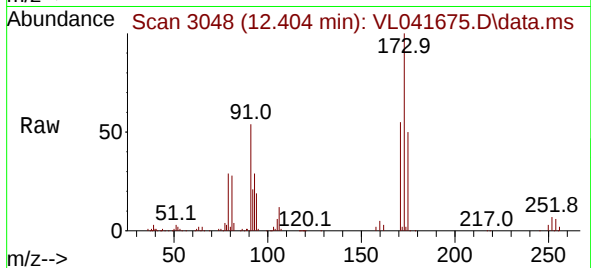
Tgt Ion:173 Resp: 286412

Ion Ratio Lower Upper

173 100

175 48.9 39.2 58.8

171 53.2 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 2.198 ppbv

RT: 8.185 min Scan# 1736

Delta R.T. 0.006 min

Lab File: VL041675.D

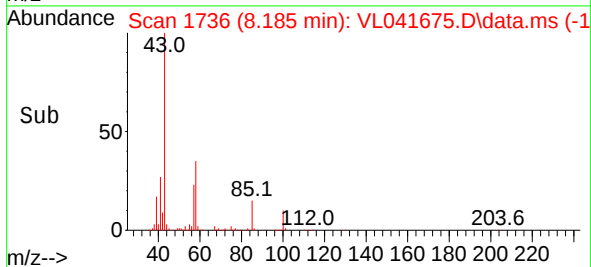
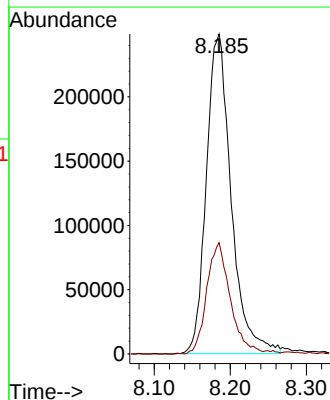
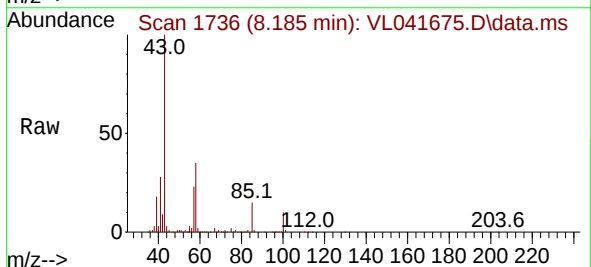
Acq: 7 Nov 2024 10:55

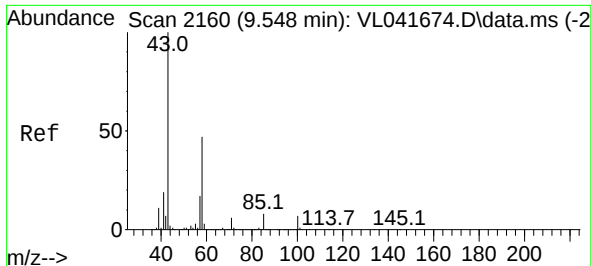
Tgt Ion: 43 Resp: 563317

Ion Ratio Lower Upper

43 100

58 34.0 27.7 41.5

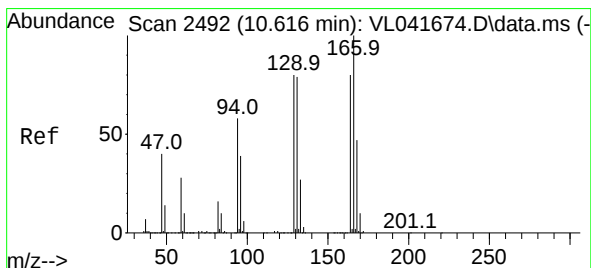
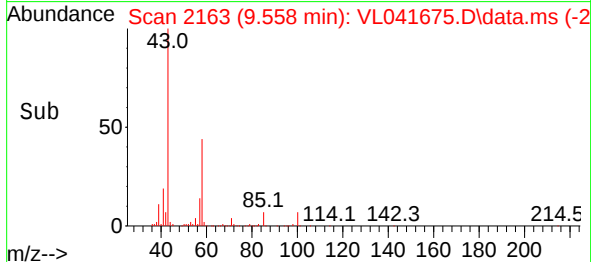
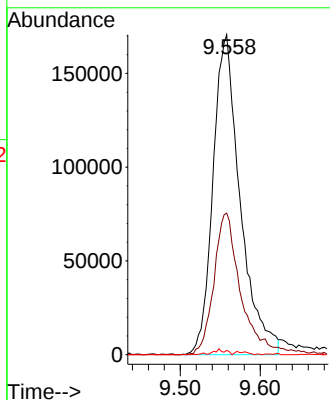
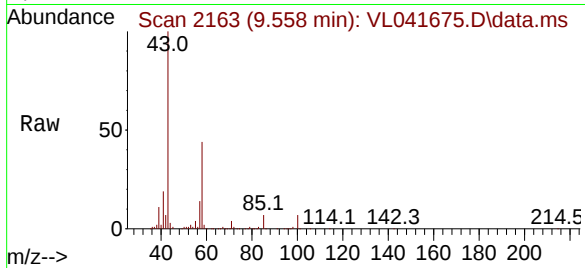




#51
2-Hexanone
Concen: 2.163 ppbv
RT: 9.558 min Scan# 2160
Delta R.T. 0.010 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

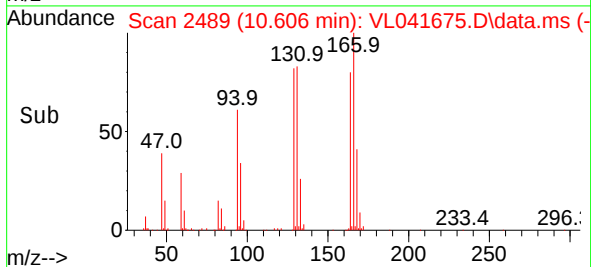
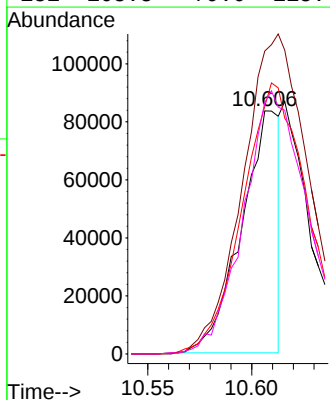
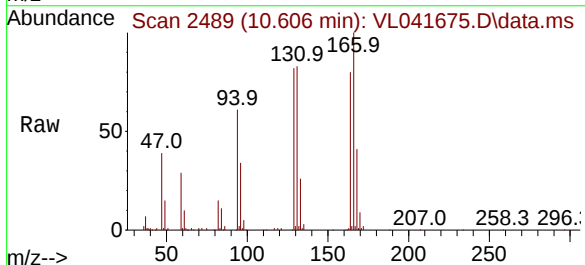
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

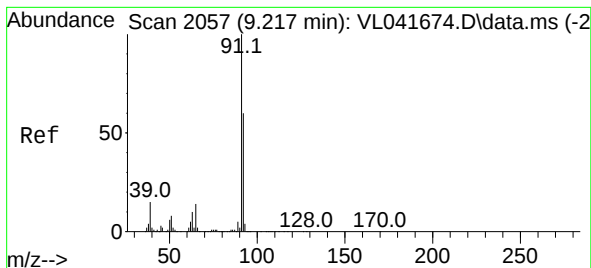
Tgt Ion: 43 Resp: 402751
Ion Ratio Lower Upper
43 100
58 44.3 37.0 55.6
98 0.8 0.6 0.8



#52
Tetrachloroethene
Concen: 1.246 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. -0.010 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion: 164 Resp: 105734
Ion Ratio Lower Upper
164 100
166 124.4 100.2 150.4
129 101.6 79.7 119.5
131 103.8 79.0 118.4





#53

Toluene

Concen: 2.161 ppbv

RT: 9.220 min Scan# 2057

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

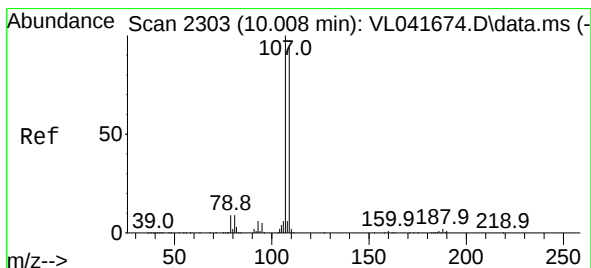
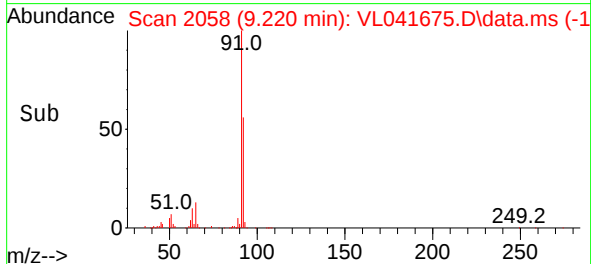
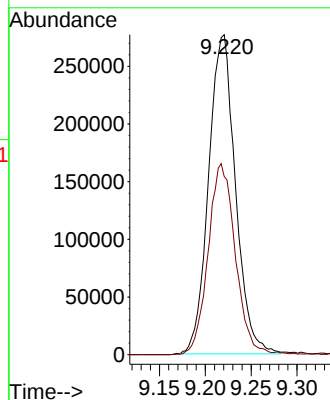
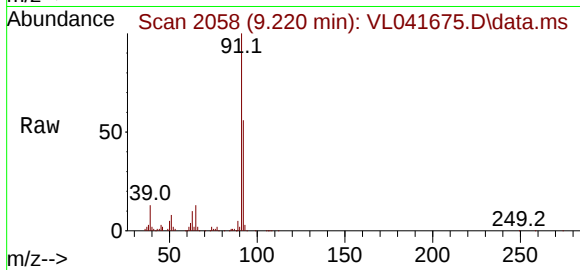
VSTDIC002

Tgt Ion: 91 Resp: 564332

Ion Ratio Lower Upper

91 100

92 61.0 49.0 73.4



#54

1,2-Dibromoethane

Concen: 2.262 ppbv

RT: 10.005 min Scan# 2302

Delta R.T. -0.003 min

Lab File: VL041675.D

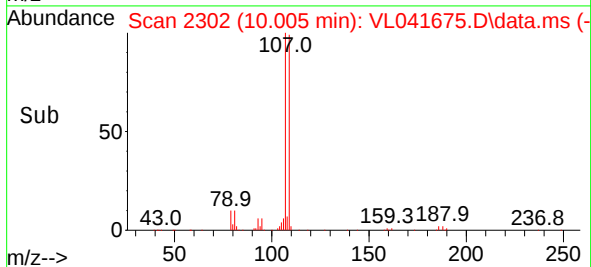
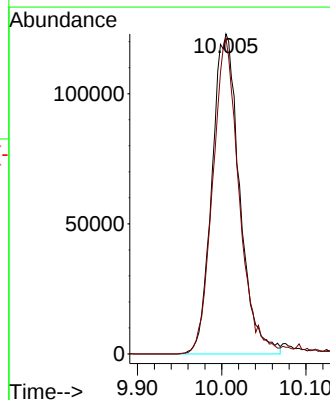
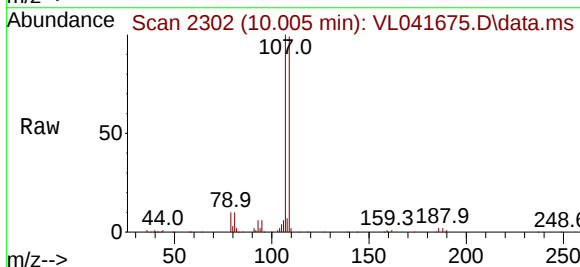
Acq: 7 Nov 2024 10:55

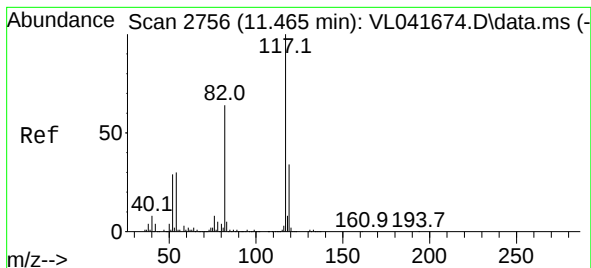
Tgt Ion: 107 Resp: 279460

Ion Ratio Lower Upper

107 100

109 98.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.462 min Scan# 2756

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

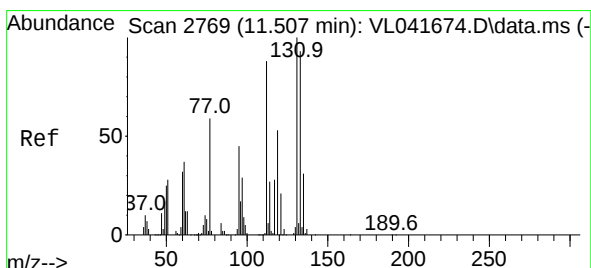
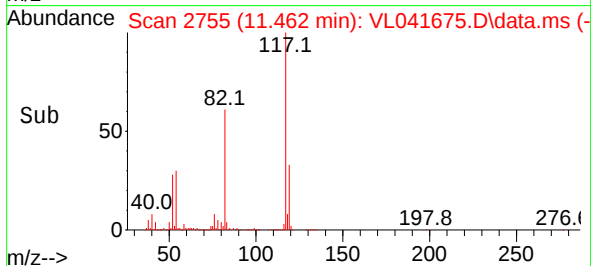
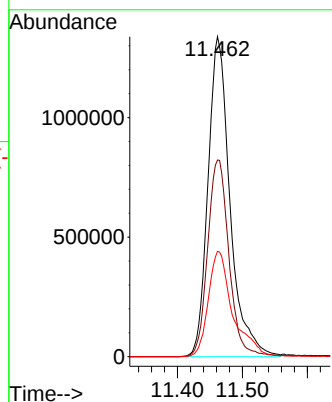
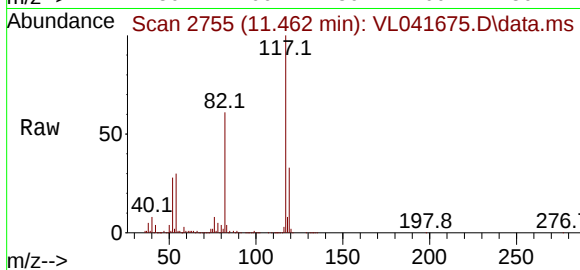
Tgt Ion:117 Resp: 3155486

Ion Ratio Lower Upper

117 100

82 60.0 49.8 74.8

119 36.8 24.2 36.4#



#56

1,1,1,2-Tetrachloroethane

Concen: 2.130 ppbv

RT: 11.507 min Scan# 2769

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

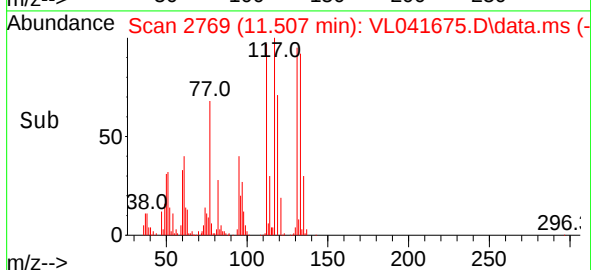
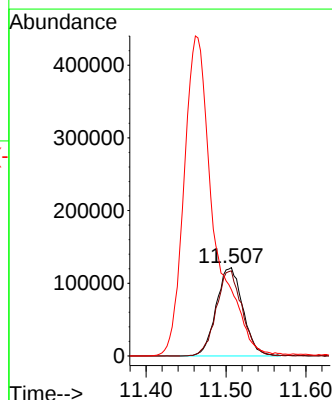
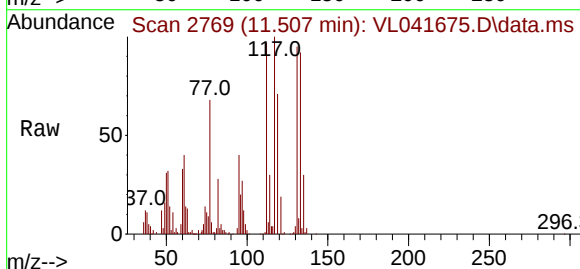
Tgt Ion:131 Resp: 279872

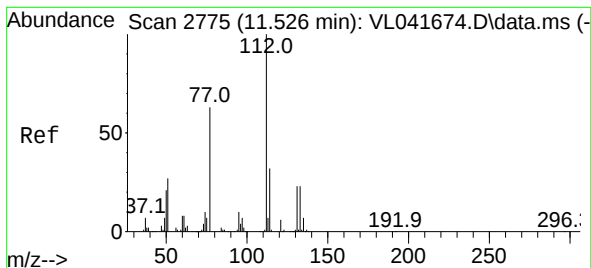
Ion Ratio Lower Upper

131 100

133 94.8 76.5 114.7

119 414.0 49.8 74.8#





#57

Chlorobenzene

Concen: 2.128 ppbv

RT: 11.519 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

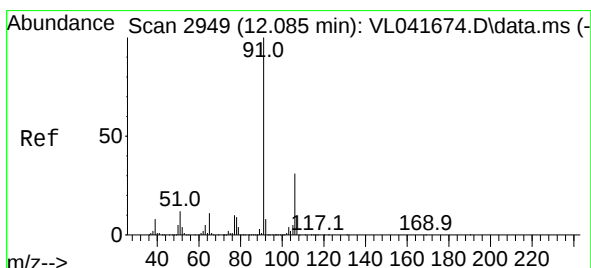
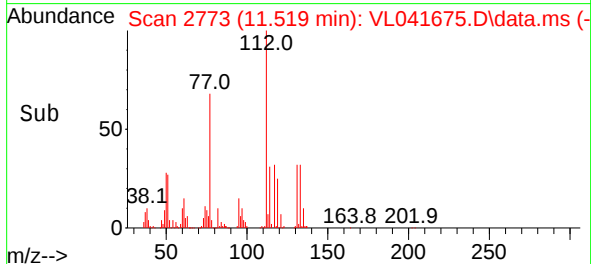
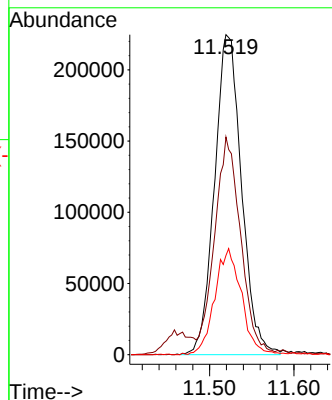
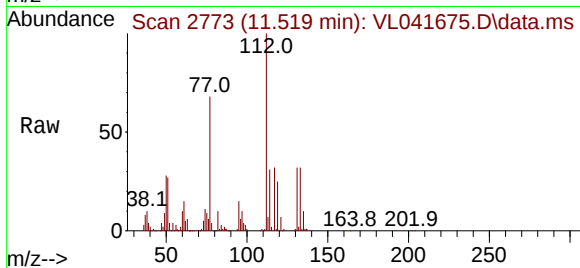
Tgt Ion:112 Resp: 500524

Ion Ratio Lower Upper

112 100

77 66.6 51.4 77.2

114 31.0 28.4 34.8



#58

Ethyl Benzene

Concen: 2.225 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VL041675.D

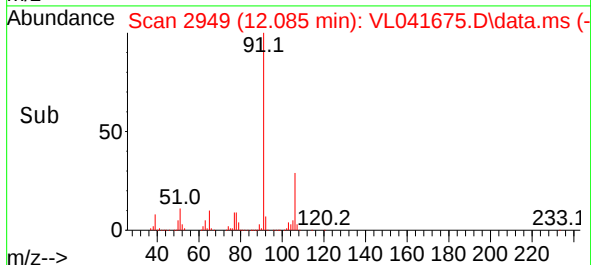
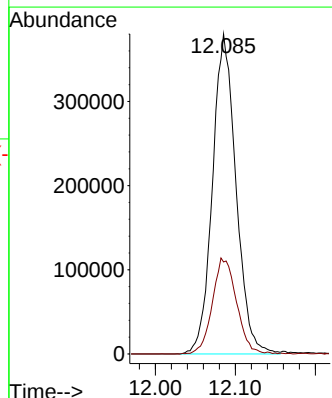
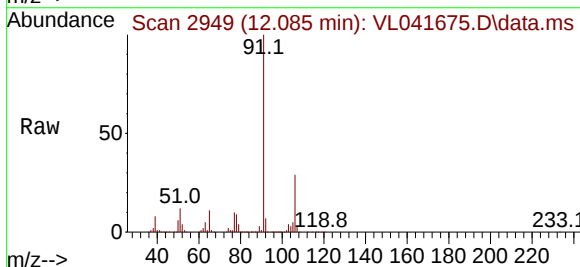
Acq: 7 Nov 2024 10:55

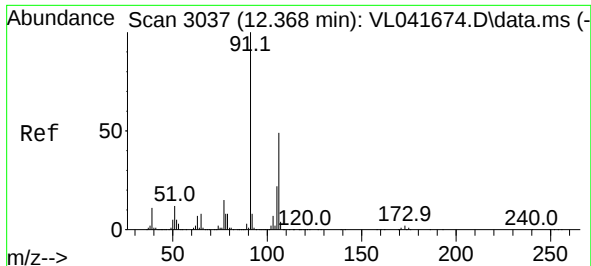
Tgt Ion: 91 Resp: 777614

Ion Ratio Lower Upper

91 100

106 28.7 24.9 37.3





#59

m/p-Xylene

Concen: 2.288 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_1

ClientSampleId :

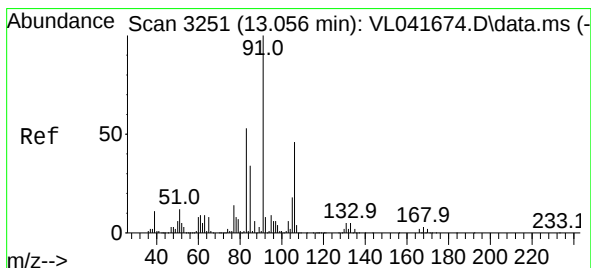
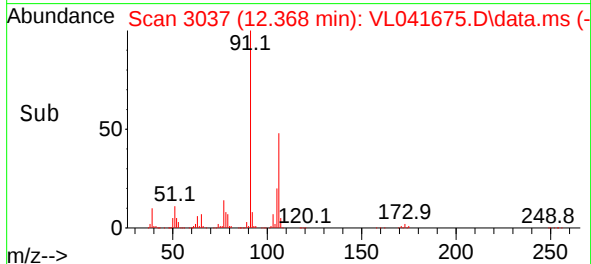
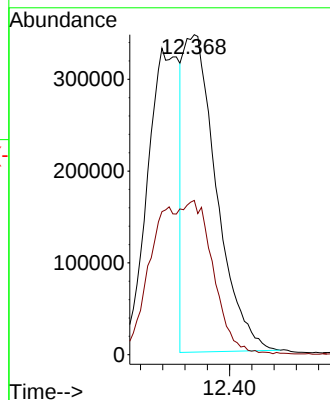
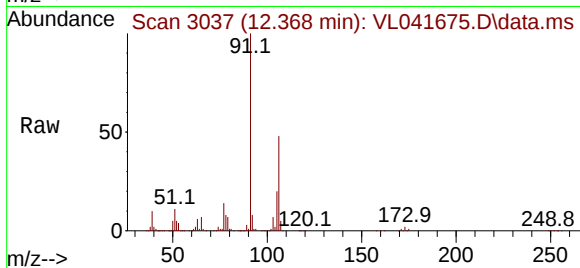
VSTDIC002

Tgt Ion: 91 Resp: 715565

Ion Ratio Lower Upper

91 100

106 88.9 36.9 55.3#



#60

o-Xylene

Concen: 2.258 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041675.D

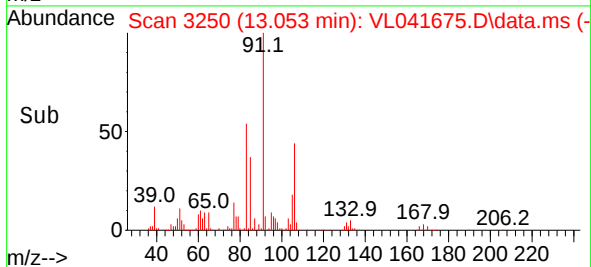
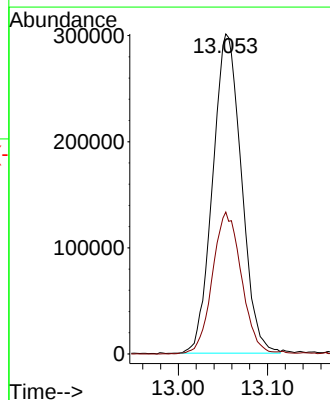
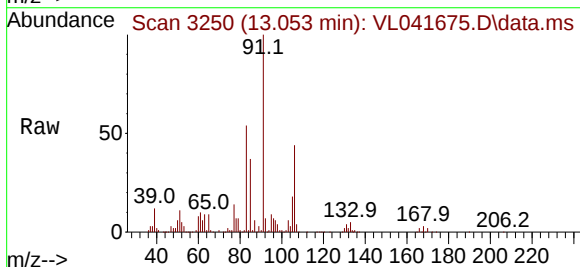
Acq: 7 Nov 2024 10:55

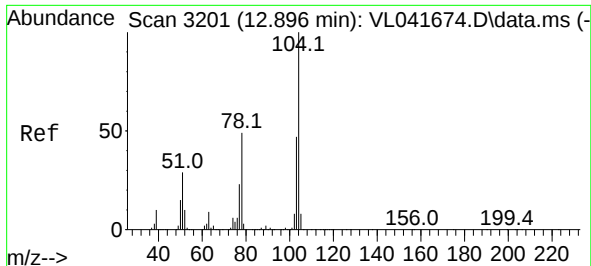
Tgt Ion: 91 Resp: 674003

Ion Ratio Lower Upper

91 100

106 45.4 23.2 69.6

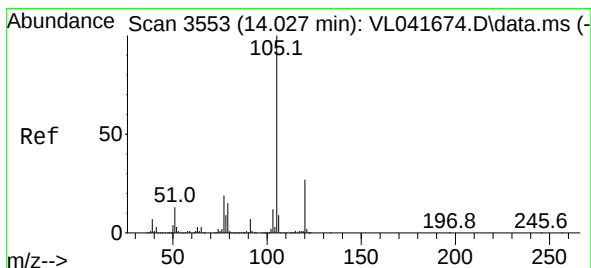
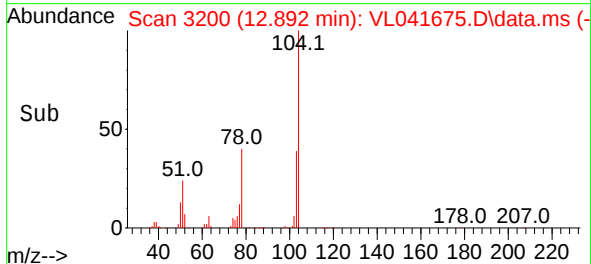
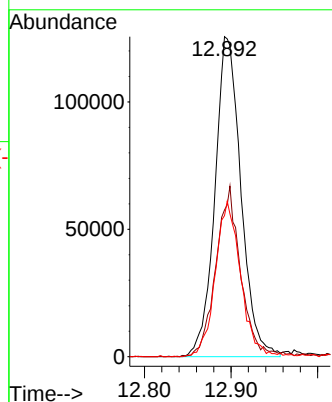
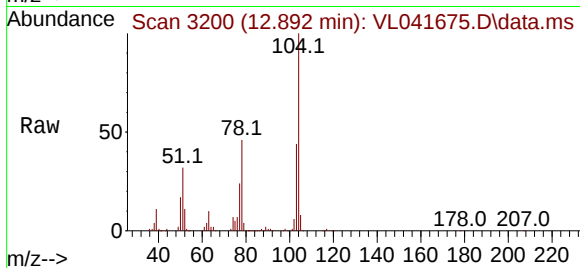




#61
Styrene
Concen: 2.133 ppbv
RT: 12.892 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

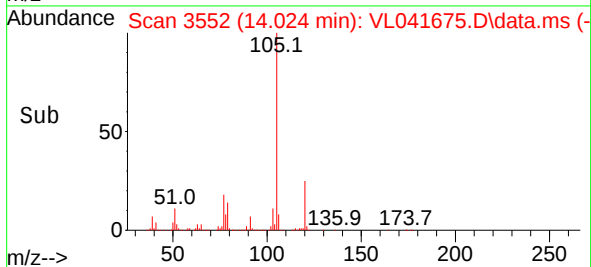
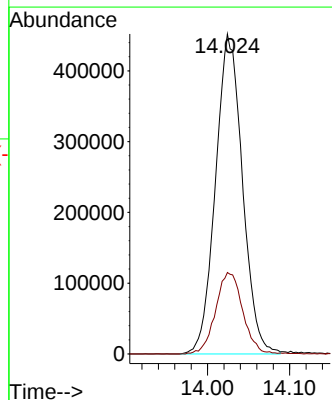
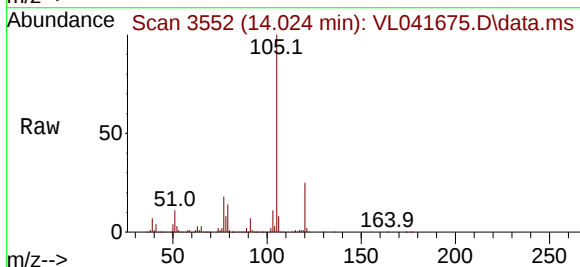
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

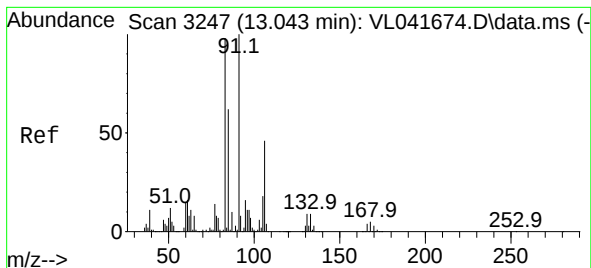
Tgt Ion:104 Resp: 262837
Ion Ratio Lower Upper
104 100
78 51.3 39.8 59.8
103 47.7 37.4 56.0



#62
Isopropylbenzene
Concen: 2.236 ppbv
RT: 14.024 min Scan# 3552
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion:105 Resp: 1030511
Ion Ratio Lower Upper
105 100
120 25.8 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 2.245 ppbv

RT: 13.043 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

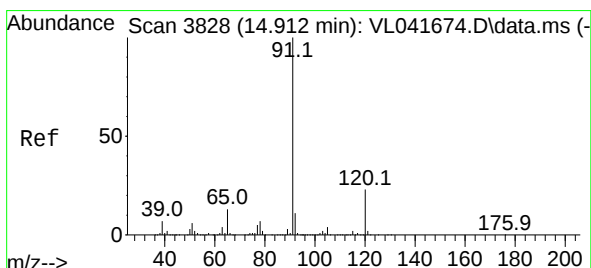
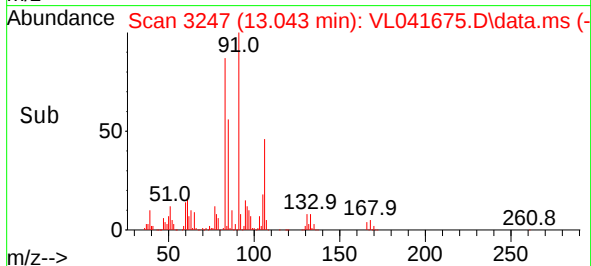
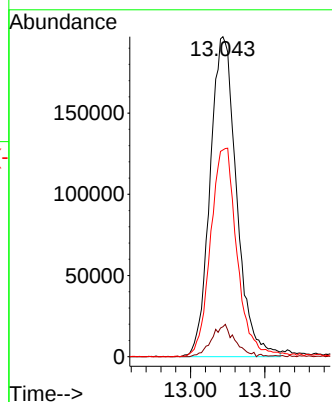
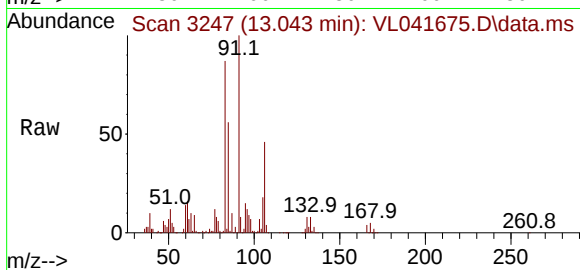
Tgt Ion: 83 Resp: 488021

Ion Ratio Lower Upper

83 100

131 8.9 4.8 14.3

85 66.1 32.6 98.0



#64

n-propylbenzene

Concen: 2.251 ppbv

RT: 14.915 min Scan# 3829

Delta R.T. 0.003 min

Lab File: VL041675.D

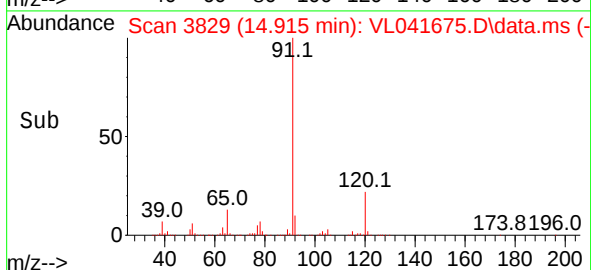
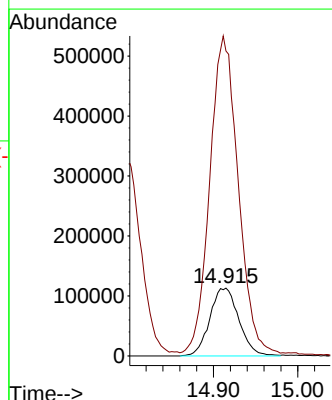
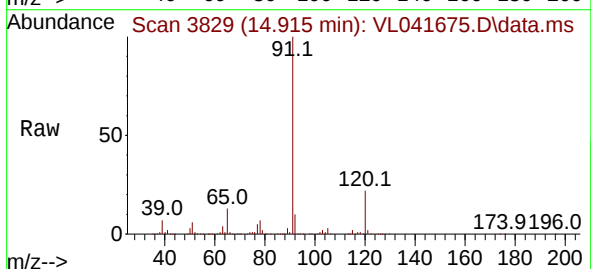
Acq: 7 Nov 2024 10:55

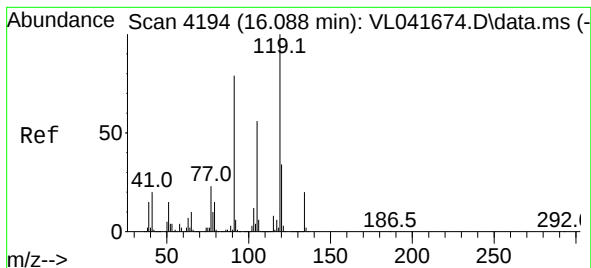
Tgt Ion:120 Resp: 271271

Ion Ratio Lower Upper

120 100

91 469.1 362.4 543.6





#65

tert-Butylbenzene

Concen: 2.290 ppbv

RT: 16.085 min Scan# 4194

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

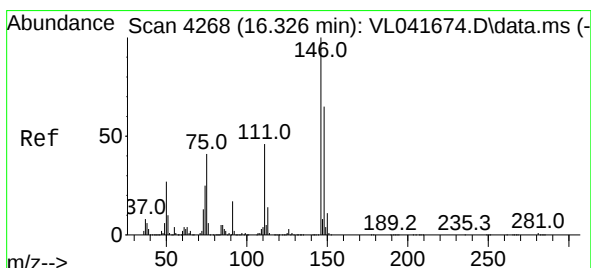
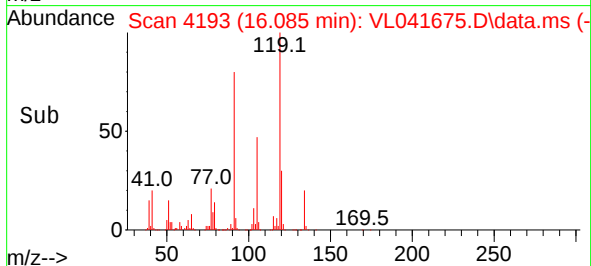
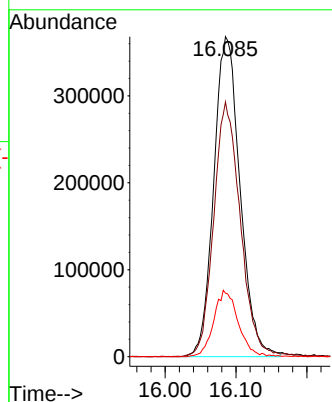
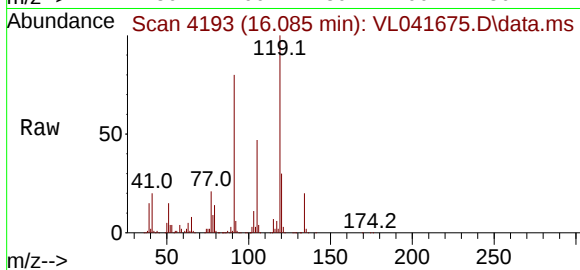
Tgt Ion:119 Resp: 948395

Ion Ratio Lower Upper

119 100

91 81.0 64.3 96.5

134 19.5 15.8 23.8



#66

Benzyl Chloride

Concen: 1.759 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

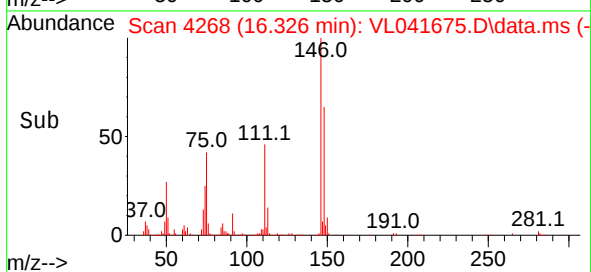
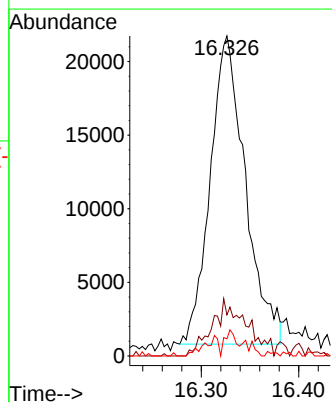
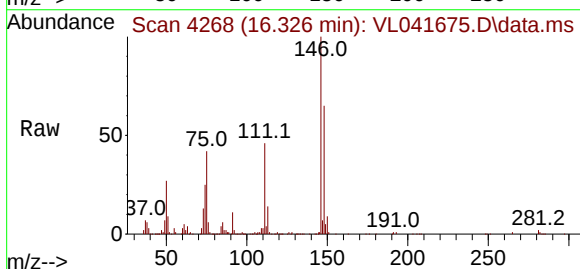
Tgt Ion: 91 Resp: 52484

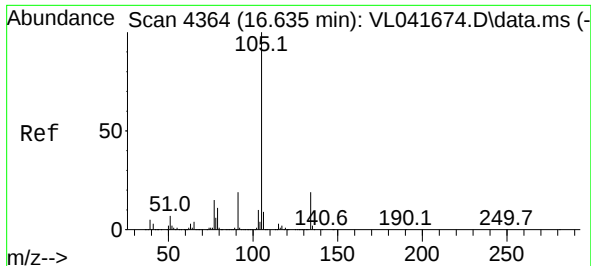
Ion Ratio Lower Upper

91 100

126 19.1 13.8 20.6

128 6.9 4.3 6.5#





#67

sec-Butylbenzene

Concen: 2.312 ppbv

RT: 16.632 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

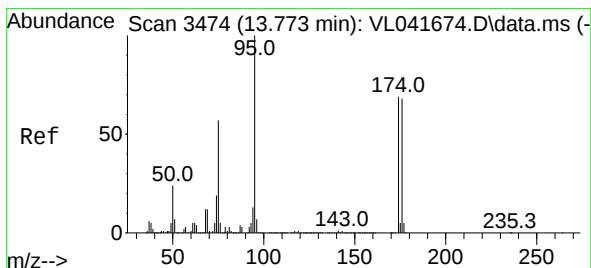
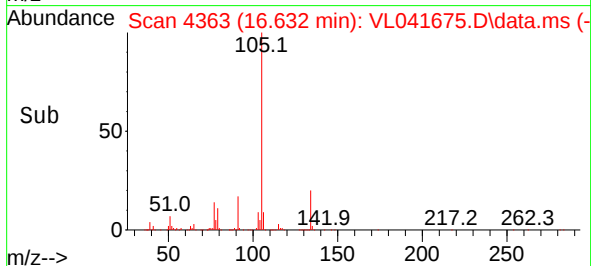
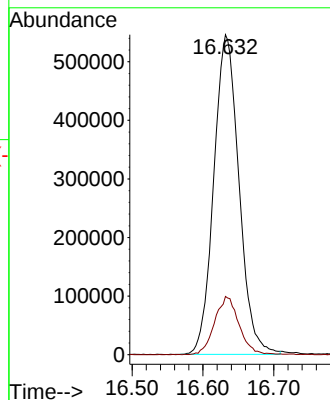
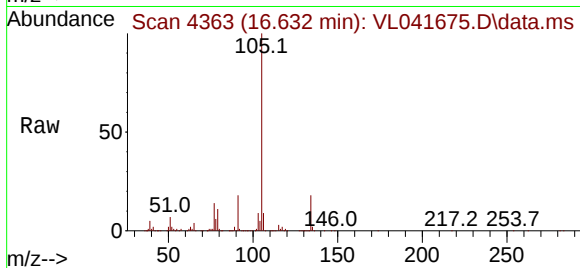
VSTDICC002

Tgt Ion:105 Resp: 1349679

Ion Ratio Lower Upper

105 100

134 17.8 14.6 22.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.764 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

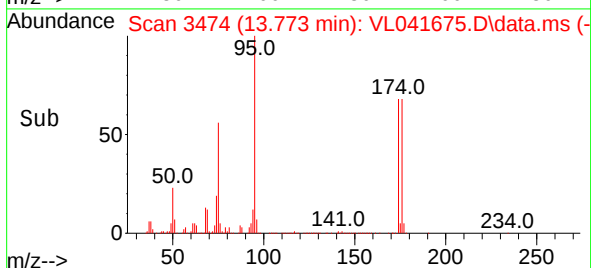
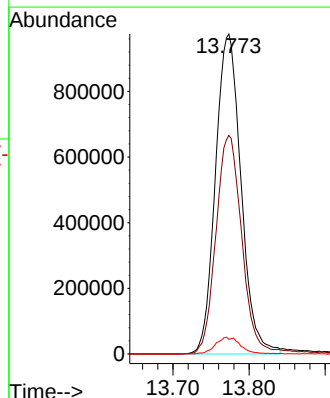
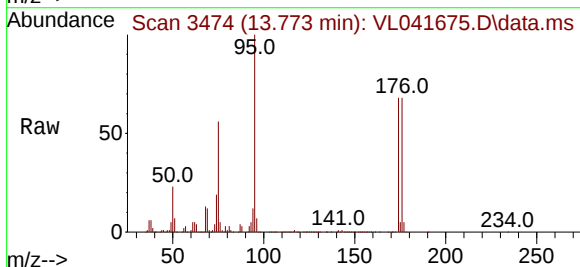
Tgt Ion: 95 Resp: 2278471

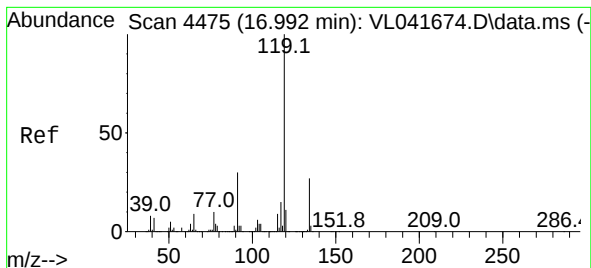
Ion Ratio Lower Upper

95 100

174 70.4 55.6 83.4

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 2.324 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

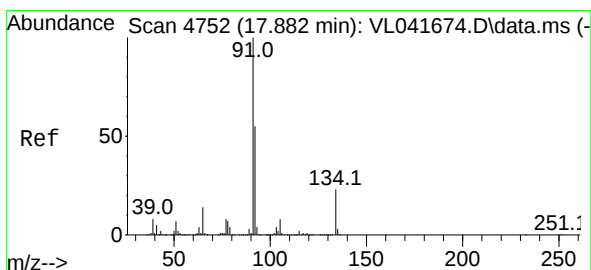
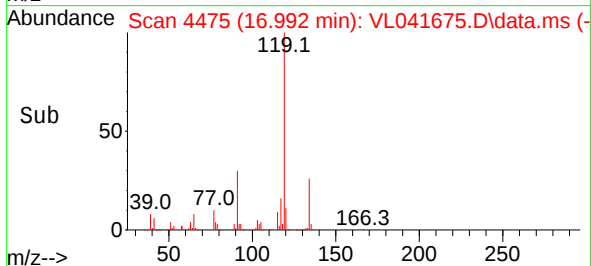
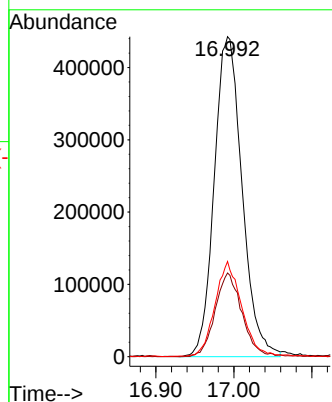
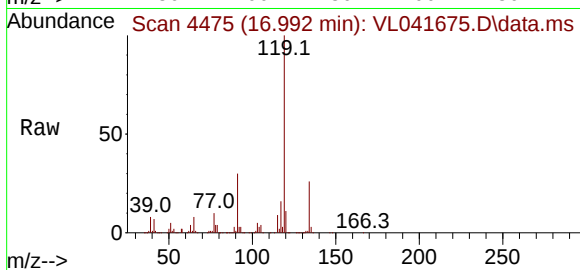
Tgt Ion:119 Resp: 1097205

Ion Ratio Lower Upper

119 100

134 25.4 20.8 31.2

91 28.6 23.2 34.8



#70

n-Butylbenzene

Concen: 2.293 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

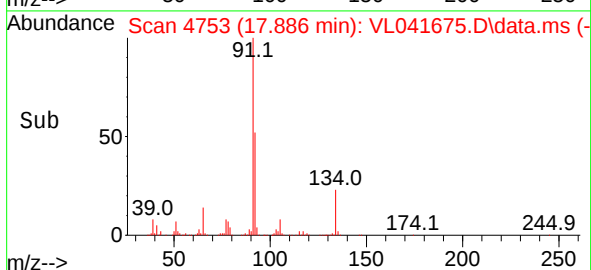
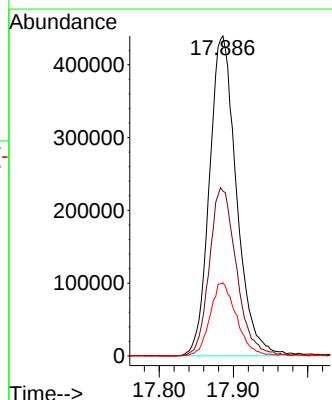
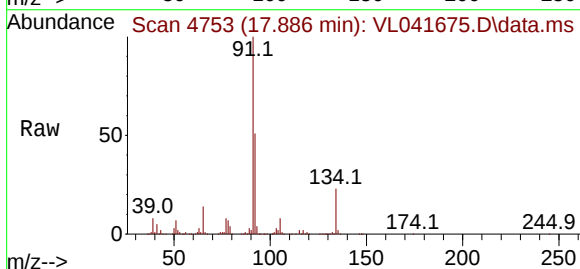
Tgt Ion: 91 Resp: 1109618

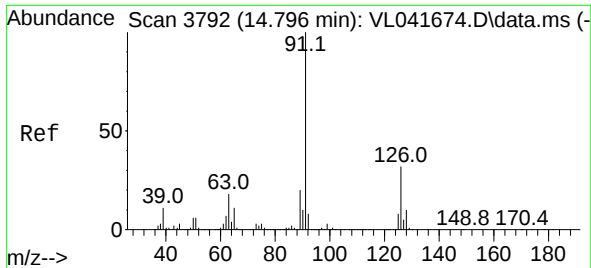
Ion Ratio Lower Upper

91 100

92 53.4 43.3 64.9

134 22.9 18.4 27.6

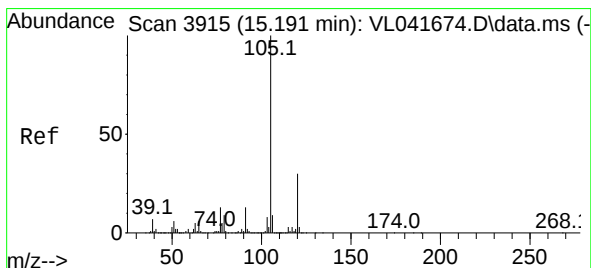
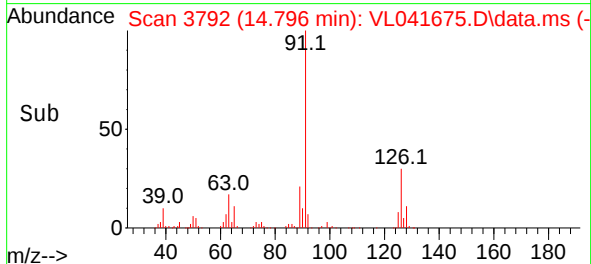
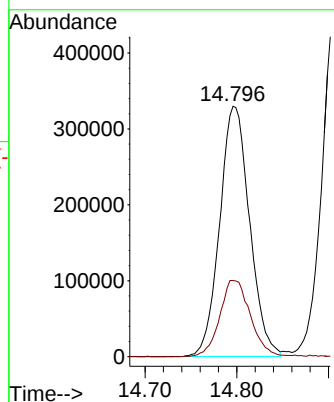
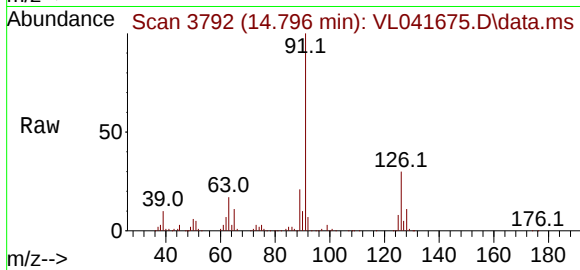




#71
2-Chlorotoluene
Concen: 2.238 ppbv
RT: 14.796 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

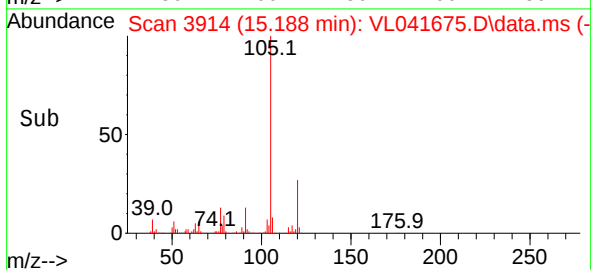
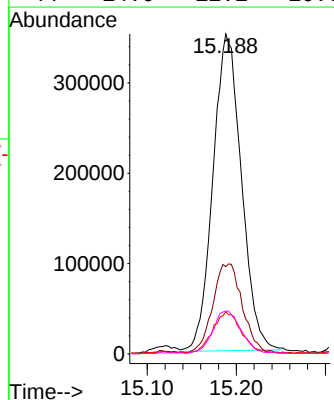
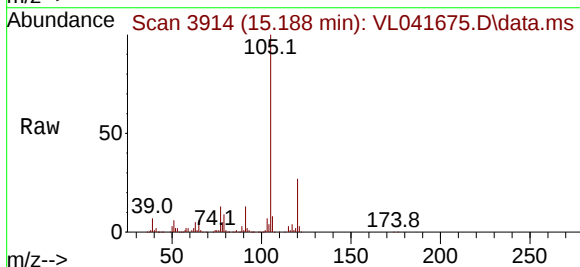
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

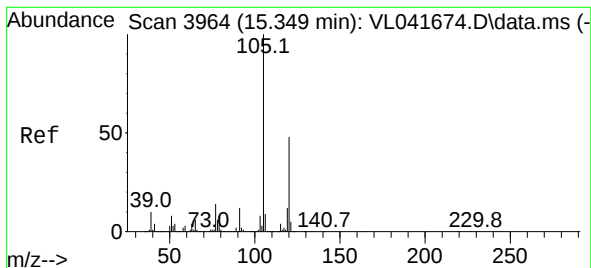
Tgt Ion: 91 Resp: 745884
Ion Ratio Lower Upper
91 100
126 31.7 12.8 51.0



#72
4-Ethyltoluene
Concen: 2.244 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. -0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion:105 Resp: 777952
Ion Ratio Lower Upper
105 100
120 31.1 25.0 37.4
91 13.5 10.6 15.8
77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 2.274 ppbv

RT: 15.346 min Scan# 3964

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

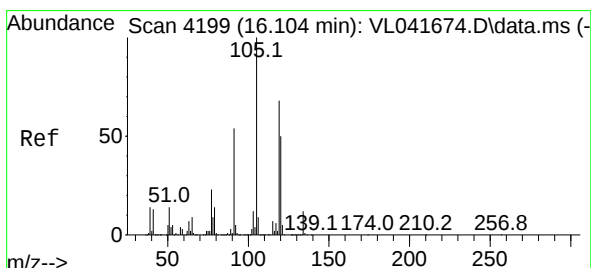
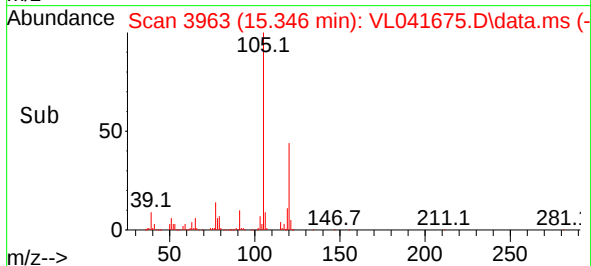
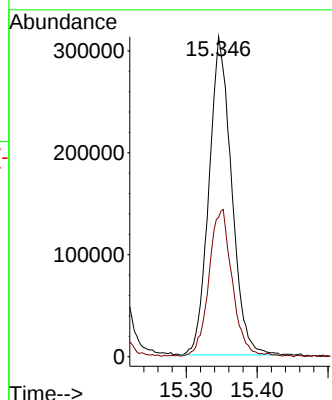
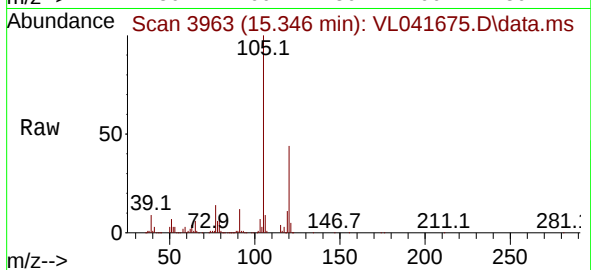
VSTDIC002

Tgt Ion:105 Resp: 691387

Ion Ratio Lower Upper

105 100

120 43.6 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 2.252 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Tgt Ion:105 Resp: 796450

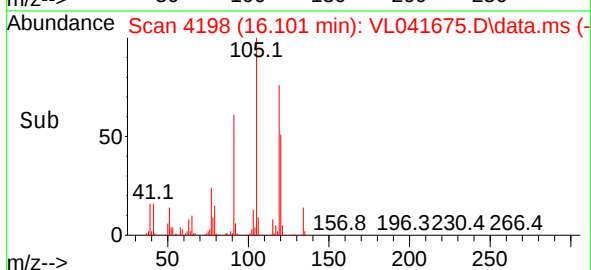
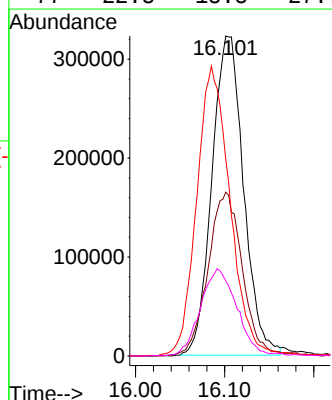
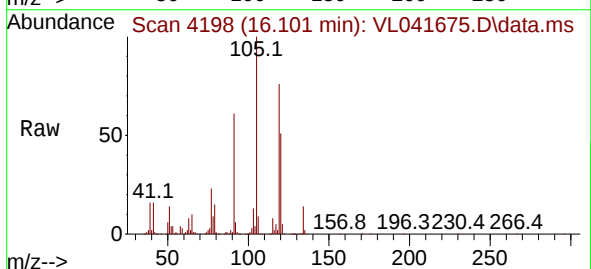
Ion Ratio Lower Upper

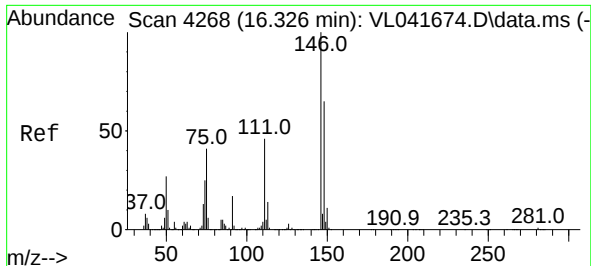
105 100

120 50.3 39.8 59.8

91 60.5 43.2 64.8

77 22.8 18.5 27.7

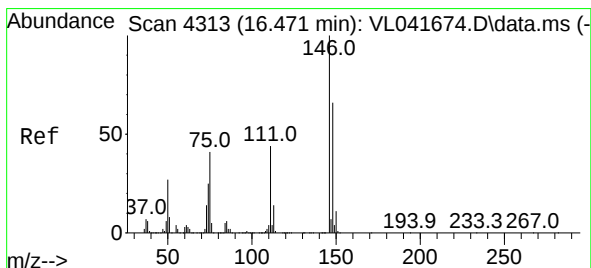
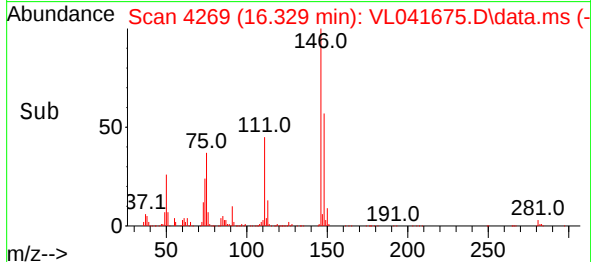
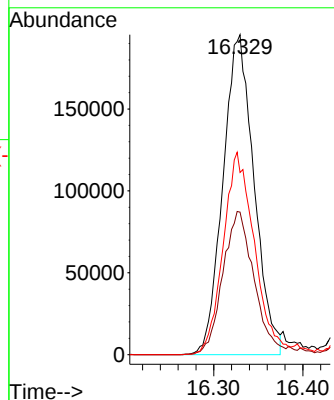
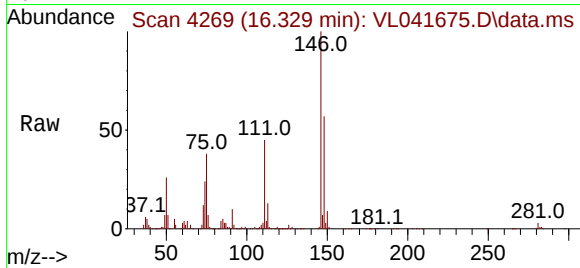




#75
1,3-Dichlorobenzene
Concen: 2.167 ppbv
RT: 16.329 min Scan# 4268
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

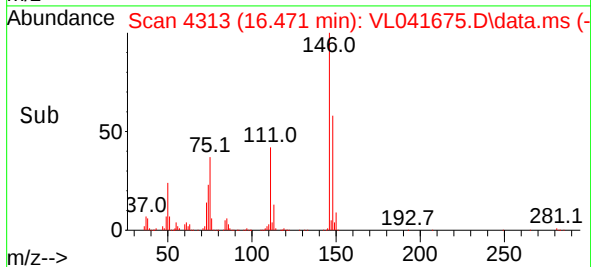
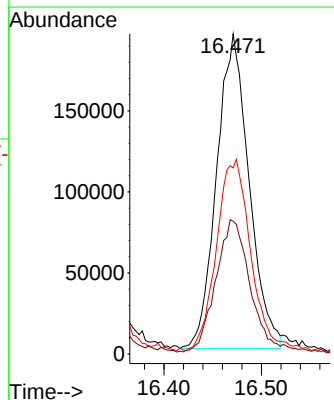
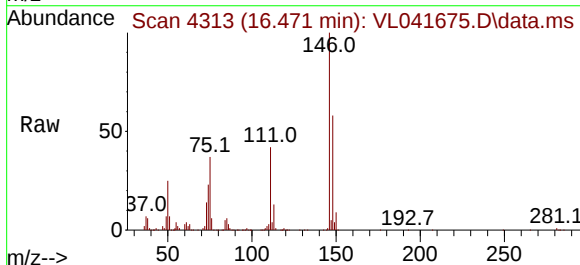
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

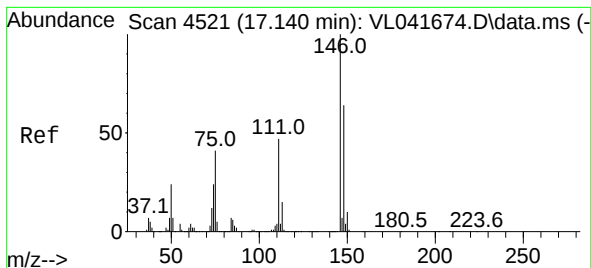
Tgt Ion:146 Resp: 473241
Ion Ratio Lower Upper
146 100
111 46.4 22.8 68.3
148 65.2 32.4 97.0



#76
1,4-Dichlorobenzene
Concen: 2.091 ppbv
RT: 16.471 min Scan# 4313
Delta R.T. 0.000 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion:146 Resp: 448788
Ion Ratio Lower Upper
146 100
111 47.2 22.1 66.3
148 67.7 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 2.149 ppbv

RT: 17.140 min Scan# 4521

Delta R.T. 0.000 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

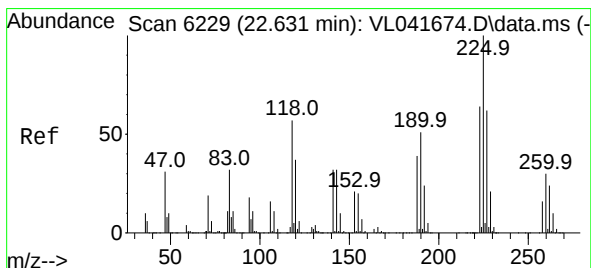
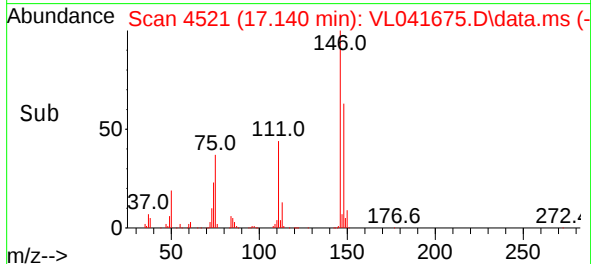
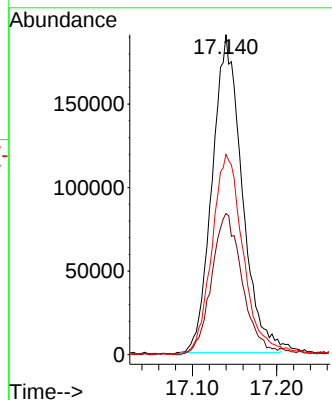
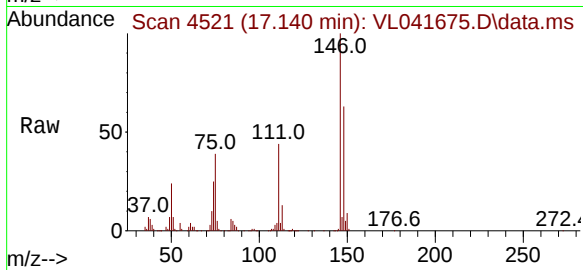
Tgt Ion:146 Resp: 466190

Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.3

148 67.2 32.1 96.5



#78

Hexachloro-1,3-Butadiene

Concen: 2.144 ppbv

RT: 22.628 min Scan# 6228

Delta R.T. -0.003 min

Lab File: VL041675.D

Acq: 7 Nov 2024 10:55

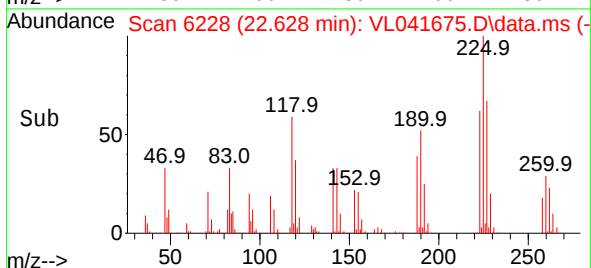
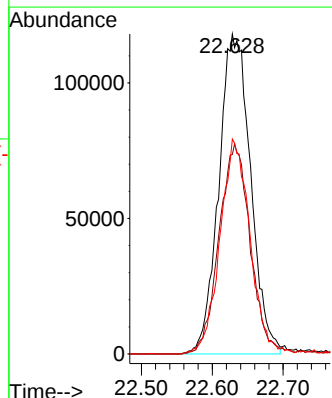
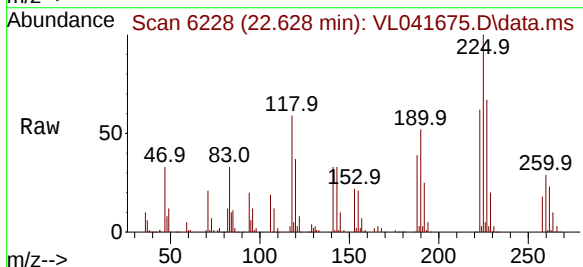
Tgt Ion:225 Resp: 367865

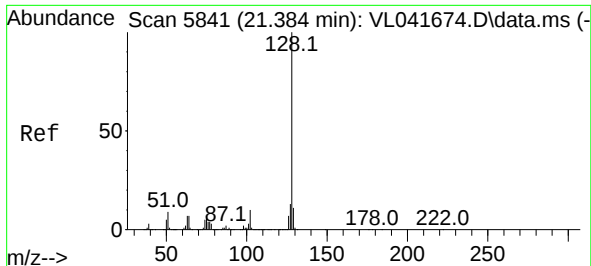
Ion Ratio Lower Upper

225 100

223 65.0 51.1 76.7

227 63.6 51.3 76.9

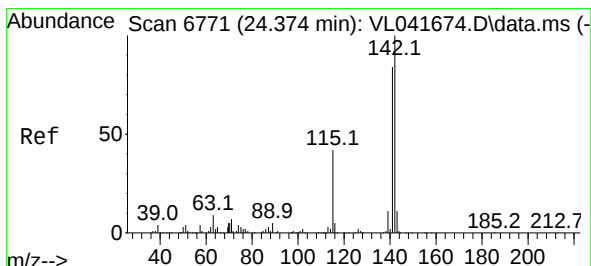
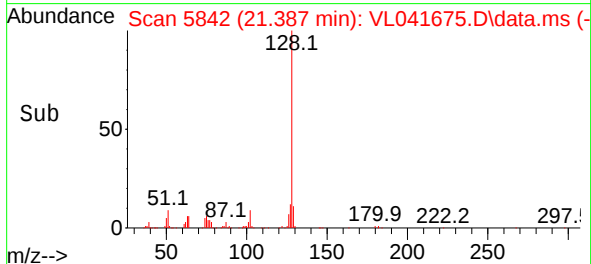
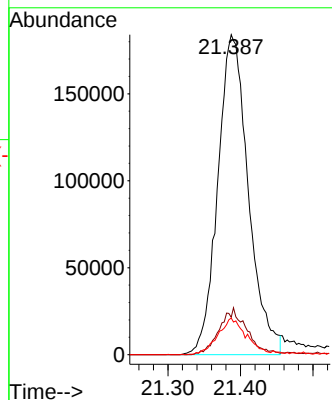
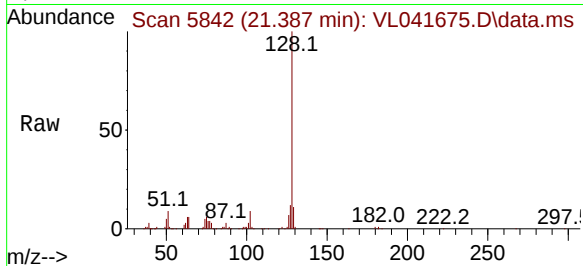




#79
Naphthalene
Concen: 2.478 ppbv
RT: 21.387 min Scan# 5841
Delta R.T. 0.003 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

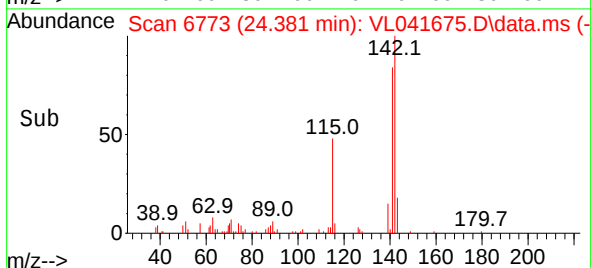
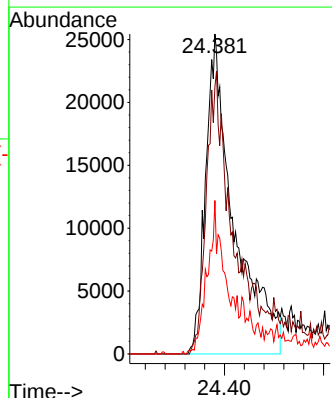
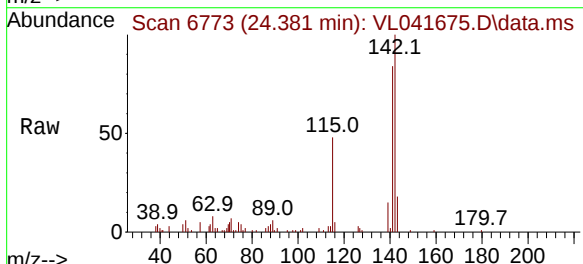
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

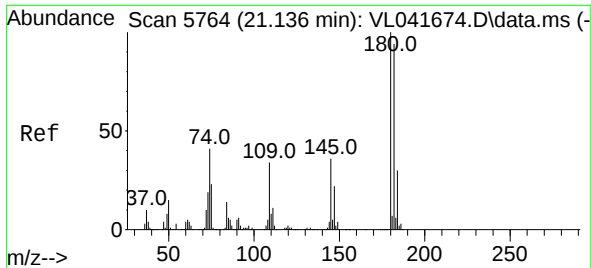
Tgt Ion:128 Resp: 538842
Ion Ratio Lower Upper
128 100
127 11.7 10.5 15.7
129 11.4 8.7 13.1



#80
Naphthalene,2-methyl-
Concen: 2.513 ppbv
RT: 24.381 min Scan# 6773
Delta R.T. 0.006 min
Lab File: VL041675.D
Acq: 7 Nov 2024 10:55

Tgt Ion:142 Resp: 101409
Ion Ratio Lower Upper
142 100
141 88.0 68.1 102.1
115 37.6 33.1 49.7





#81

1,2,4-Trichlorobenzene

Concen: 2.127 ppbv

RT: 21.143 min Scan# 5

Delta R.T. 0.006 min

Lab File: VL041675.D

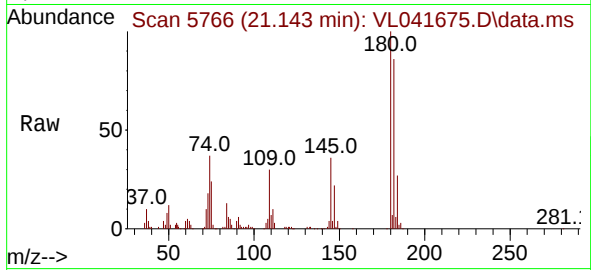
Acq: 7 Nov 2024 10:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002



Tgt Ion:180 Resp: 287687

Ion Ratio Lower Upper

180 100

182 99.1 78.2 117.2

184 30.6 25.0 37.4

