

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041673.D
 Acq On : 7 Nov 2024 9:36
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Nov 08 00:08:19 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	5.182	49	1106203	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3129770	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2839070	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.774	95	2171666	10.343	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	125812	0.629	ppbv	93
3) Chlorodifluoromethane	2.665	51	79327	0.550	ppbv	98
4) Chloromethane	2.803	50	39589	0.519	ppbv	89
5) Vinyl Chloride	2.909	62	35876	0.519	ppbv	96
6) Bromomethane	3.108	94	19595	0.538	ppbv	90
7) Chloroethane	3.186	64	12979	0.518	ppbv	90
8) Dichlorotetrafluoroethane	2.845	85	102282	0.573	ppbv	98
9) Propene	2.681	41	29126	0.464	ppbv	100
10) Heptane	7.568	43	35110	0.249	ppbv #	51
11) Trichlorofluoromethane	3.549	101	94015	0.540	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.057	101	66623	0.526	ppbv	94
13) Ethanol	3.243	45	1094	0.280	ppbv #	47
14) Bromoethene	3.353	108	24149	0.475	ppbv #	94
15) Acetone	3.472	43	69401	0.510	ppbv #	84
16) 1,3-Butadiene	2.977	39	32713	0.479	ppbv	99
17) tert-Butyl alcohol	3.886	59	50217	0.420	ppbv #	93
18) 1,1-Dichloroethene	3.867	96	27360	0.493	ppbv	95
19) Isopropyl Alcohol	3.581	45	22001	0.334	ppbv #	54
20) Methylene Chloride	3.925	84	29973	0.598	ppbv	97
21) Allyl Chloride	3.986	41	39968	0.475	ppbv	91
22) trans-1,2-Dichloroethene	4.436	96	27650	0.499	ppbv	89
23) Vinyl Acetate	4.620	43	14233	0.222	ppbv #	86
24) 1,1-Dichloroethane	4.552	63	66112	0.537	ppbv	99
25) Ethyl Acetate	5.202	43	128056	0.454	ppbv	99
26) Hexane	5.205	57	27739	0.256	ppbv #	1
27) Carbon Disulfide	4.115	76	51344	0.422	ppbv #	85
28) Methyl tert-Butyl Ether	4.587	73	31135	0.447	ppbv	95
29) Chloroform	5.266	83	94165	0.527	ppbv	92
30) Cyclohexane	6.597	84	8161	0.094	ppbv #	1
31) cis-1,2-Dichloroethene	5.066	61	43581	0.418	ppbv	89
32) 1,1,1-Trichloroethane	5.992	97	86390	0.527	ppbv	98
34) 2-Butanone	4.793	43	72284	0.464	ppbv	100
35) Carbon Tetrachloride	6.481	117	84978	0.514	ppbv	92
36) Benzene	6.362	78	93476	0.403	ppbv	98
37) 1,2-Dichloroethane	5.796	62	61144	0.467	ppbv	99
38) Trichloroethene	7.279	130	18661	0.209	ppbv	93
39) 1,2-Dichloropropane	7.063	63	40977	0.447	ppbv	88
40) 1,4-Dioxane	7.237	88	182	0.006	ppbv #	1
41) Tetrahydrofuran	5.565	42	12165	0.137	ppbv #	38
42) Bromodichloromethane	7.240	83	50447	0.277	ppbv #	97
43) Methyl Methacrylate	7.475	69	23964	0.294	ppbv #	82
44) 2,2,4-Trimethylpentane	7.317	57	96150	0.245	ppbv #	42
45) t-1,3-Dichloropropene	8.719	75	4577	0.063	ppbv	89

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
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Instrument :
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 ClientSampleId :
 VSTDICC0.5

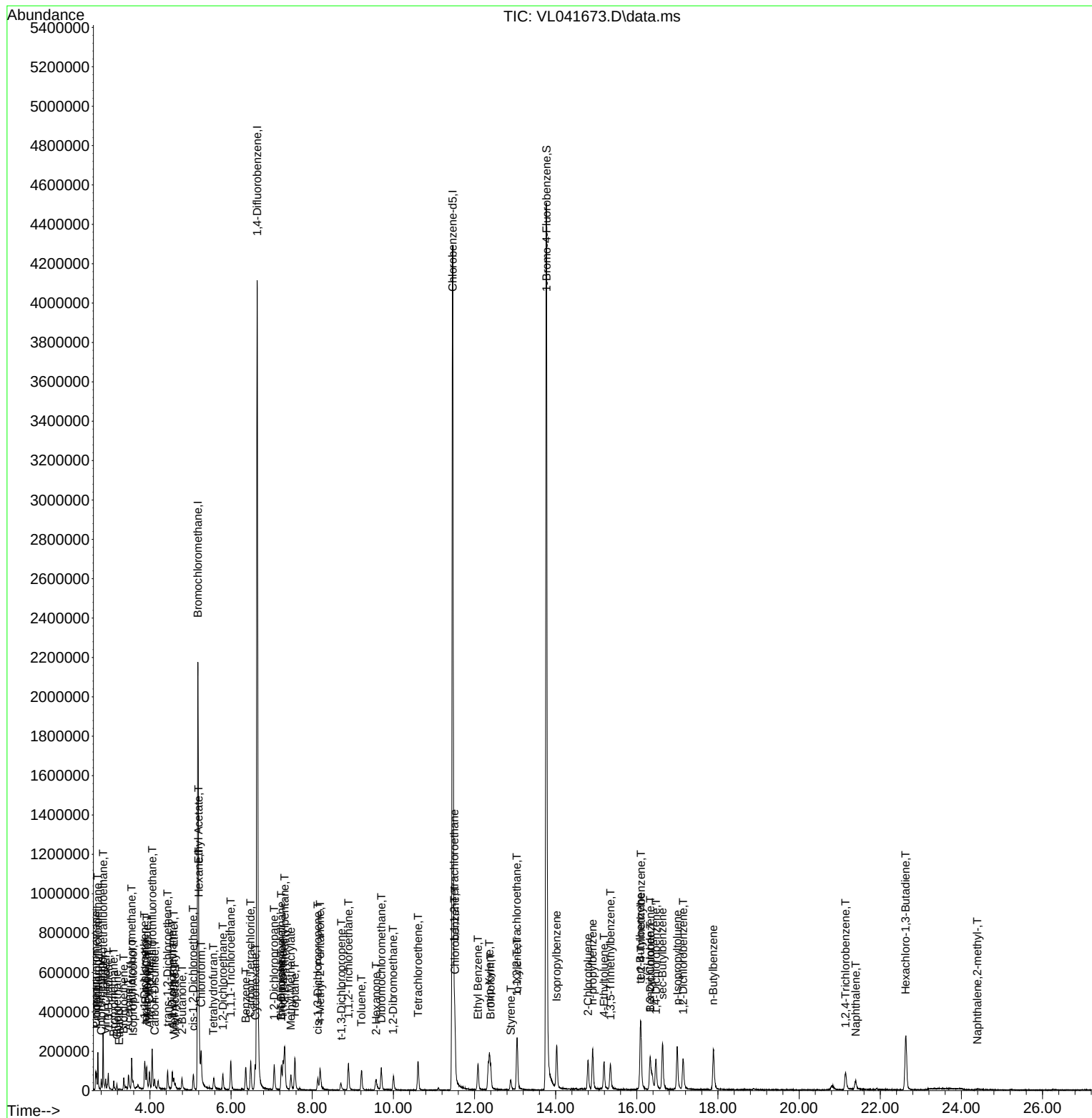
Quant Time: Nov 08 00:08:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 00:07:44 2024
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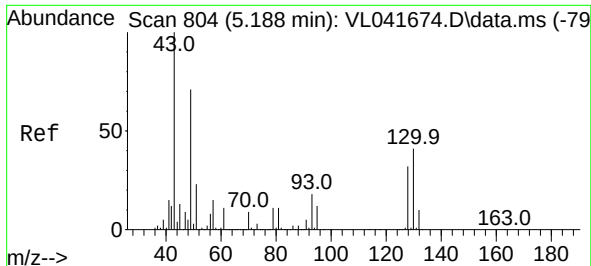
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	32366	0.306	ppbv	97
47) 1,1,2-Trichloroethane	8.893	97	47322	0.479	ppbv	95
48) Dibromochloromethane	9.703	129	63686	0.422	ppbv	99
49) Bromoform	12.397	173	52765	0.410	ppbv	97
50) 4-Methyl-2-Pentanone	8.195	43	86918	0.363	ppbv	99
51) 2-Hexanone	9.574	43	35331	0.203	ppbv #	74
52) Tetrachloroethene	10.610	164	35915	0.453	ppbv	92
53) Toluene	9.214	91	46027	0.189	ppbv #	50
54) 1,2-Dibromoethane	9.996	107	22130	0.192	ppbv #	79
56) 1,1,1,2-Tetrachloroethane	11.500	131	62892	0.532	ppbv #	1
57) Chlorobenzene	11.520	112	105740	0.500	ppbv	94
58) Ethyl Benzene	12.085	91	107368	0.341	ppbv	97
59) m/p-Xylene	12.368	91	134418	0.478	ppbv #	61
60) o-Xylene	13.050	91	57844	0.215	ppbv #	57
61) Styrene	12.893	104	15420	0.139	ppbv #	22
62) Isopropylbenzene	14.024	105	177013	0.427	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	102900	0.526	ppbv	99
64) n-propylbenzene	14.912	120	42096	0.388	ppbv	77
65) tert-Butylbenzene	16.085	119	141213	0.379	ppbv	89
66) Benzyl Chloride	16.330	91	3230	0.120	ppbv #	66
67) sec-Butylbenzene	16.632	105	129765	0.247	ppbv #	59
69) p-Isopropyltoluene	16.998	119	150521	0.354	ppbv	93
70) n-Butylbenzene	17.886	91	82588	0.190	ppbv #	35
71) 2-Chlorotoluene	14.796	91	116286	0.388	ppbv	98
72) 4-Ethyltoluene	15.195	105	104722	0.336	ppbv #	93
73) 1,3,5-Trimethylbenzene	15.352	105	97075	0.355	ppbv	95
74) 1,2,4-Trimethylbenzene	16.101	105	71468	0.225	ppbv	94
75) 1,3-Dichlorobenzene	16.330	146	82265	0.419	ppbv	93
76) 1,4-Dichlorobenzene	16.471	146	72311	0.374	ppbv	81
77) 1,2-Dichlorobenzene	17.143	146	60916	0.312	ppbv #	61
78) Hexachloro-1,3-Butadiene	22.622	225	35044	0.227	ppbv #	18
79) Naphthalene	21.400	128	25838	0.132	ppbv	96
80) Naphthalene,2-methyl-	24.390	142	5529	0.152	ppbv	93
81) 1,2,4-Trichlorobenzene	21.146	180	23646	0.194	ppbv #	13

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

Instrument :
MSVOA_L
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VSTDICC0.5

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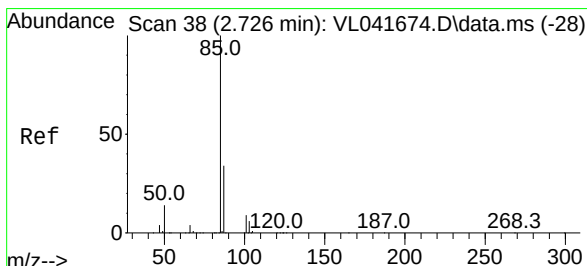
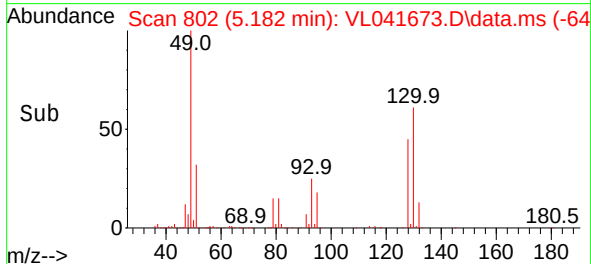
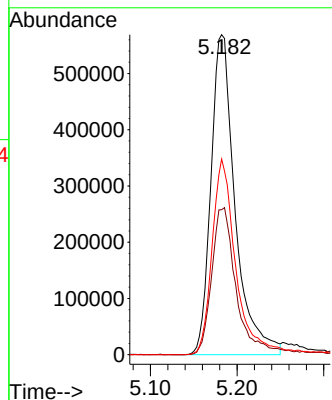
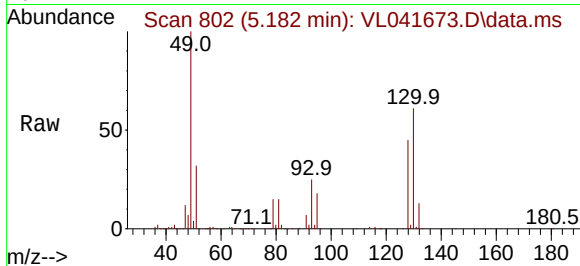




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VL041673.D
 Acq: 7 Nov 2024 9:36

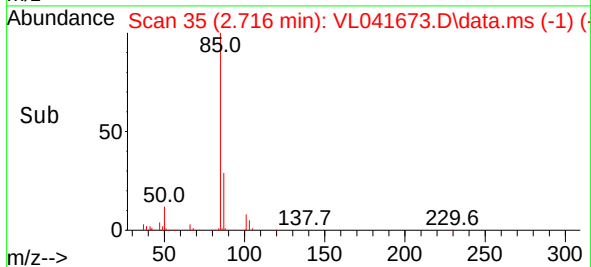
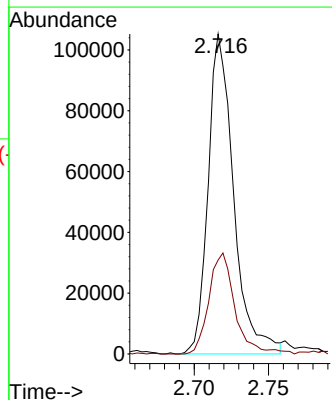
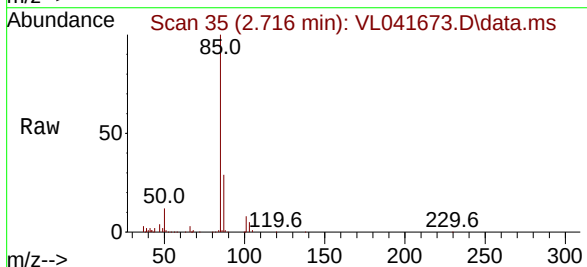
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

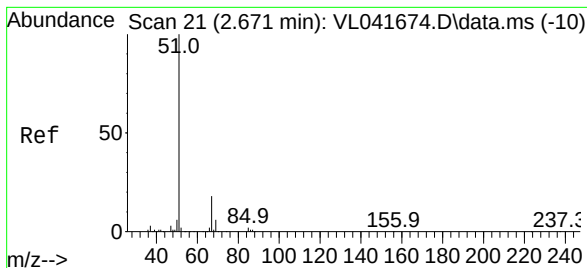
Tgt Ion: 49 Resp: 1106203
 Ion Ratio Lower Upper
 49 100
 128 48.1 23.8 71.2
 130 61.9 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 0.629 ppbv
 RT: 2.716 min Scan# 35
 Delta R.T. -0.009 min
 Lab File: VL041673.D
 Acq: 7 Nov 2024 9:36

Tgt Ion: 85 Resp: 125812
 Ion Ratio Lower Upper
 85 100
 87 29.4 26.8 40.2





#3

Chlorodifluoromethane

Concen: 0.550 ppbv

RT: 2.665 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

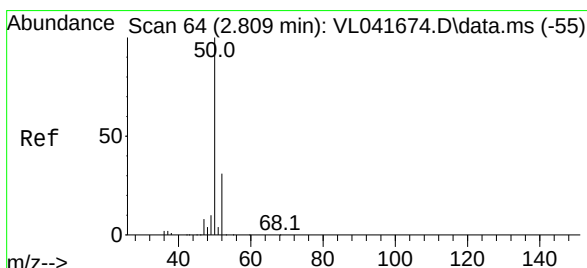
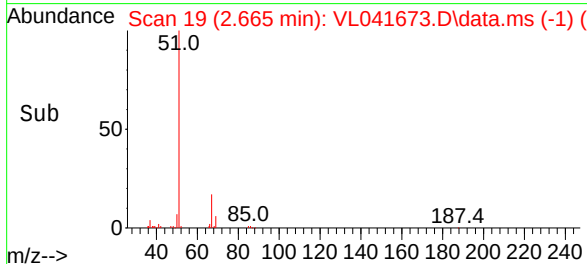
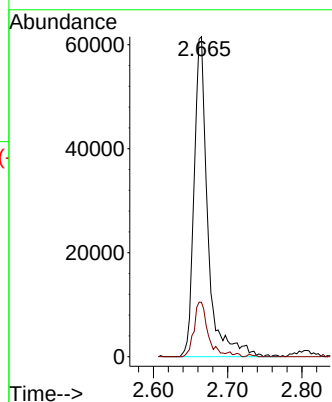
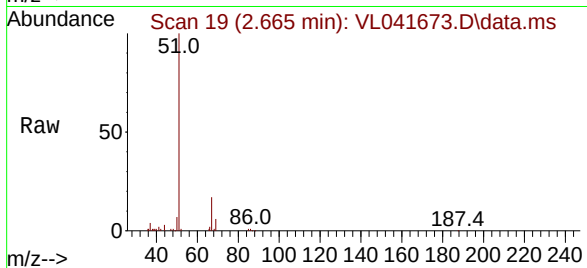
VSTDIC0.5

Tgt Ion: 51 Resp: 79327

Ion Ratio Lower Upper

51 100

67 18.3 13.9 20.9



#4

Chloromethane

Concen: 0.519 ppbv

RT: 2.803 min Scan# 62

Delta R.T. -0.006 min

Lab File: VL041673.D

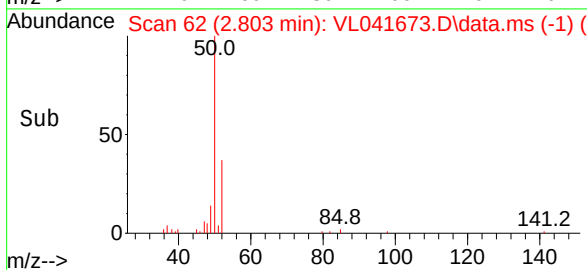
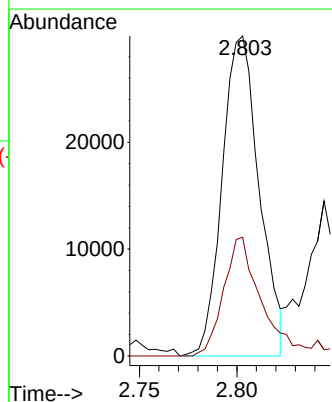
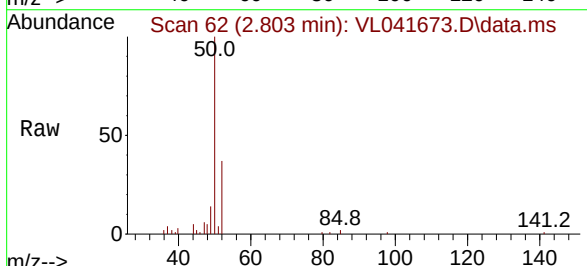
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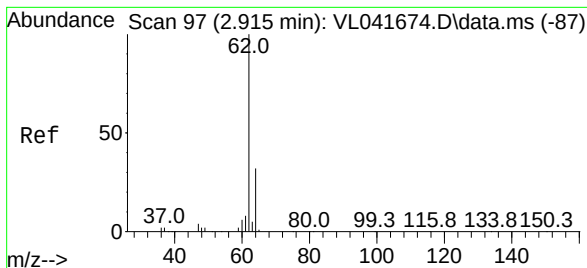
Tgt Ion: 50 Resp: 39589

Ion Ratio Lower Upper

50 100

52 37.1 24.9 37.3





#5

Vinyl Chloride

Concen: 0.519 ppbv

RT: 2.909 min Scan# 90

Delta R.T. -0.006 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

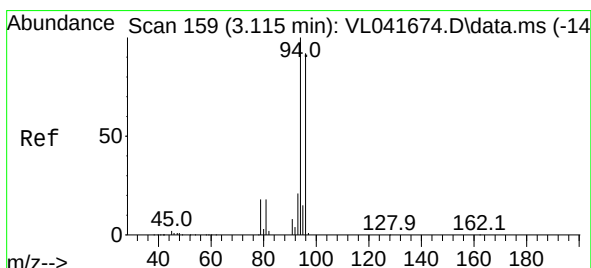
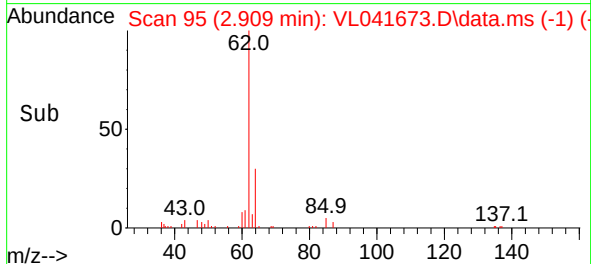
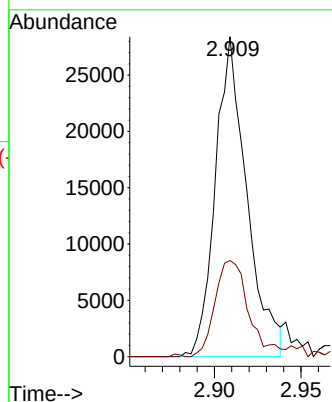
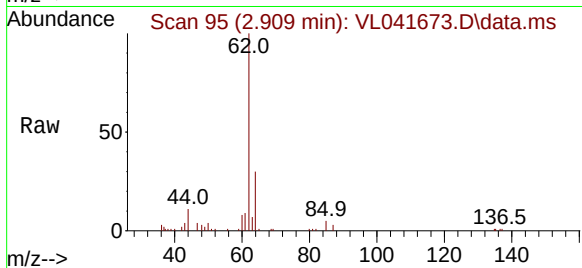
VSTDICC0.5

Tgt Ion: 62 Resp: 35876

Ion Ratio Lower Upper

62 100

64 29.5 25.4 38.2



#6

Bromomethane

Concen: 0.538 ppbv

RT: 3.108 min Scan# 157

Delta R.T. -0.006 min

Lab File: VL041673.D

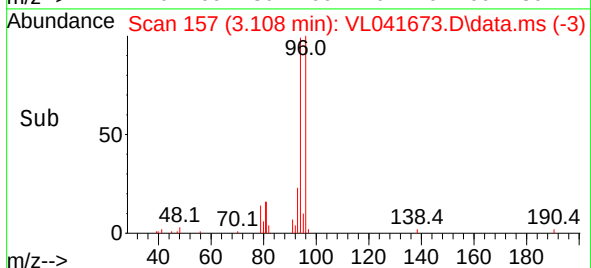
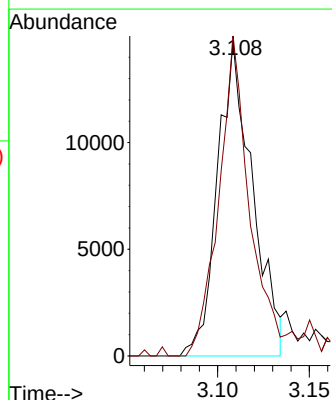
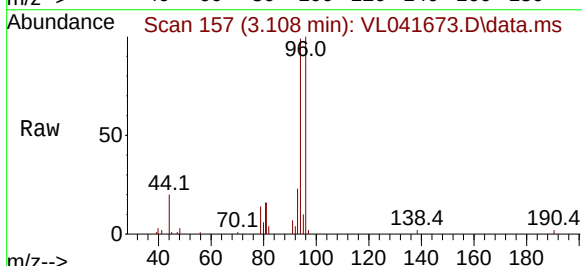
Acq: 7 Nov 2024 9:36

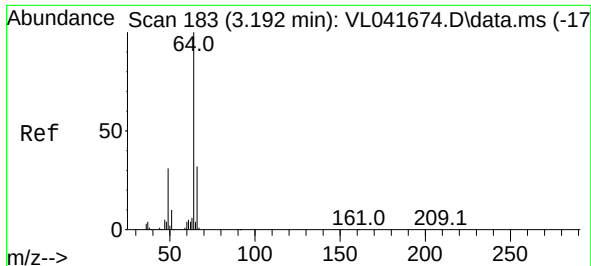
Tgt Ion: 94 Resp: 19595

Ion Ratio Lower Upper

94 100

96 101.5 73.4 110.2

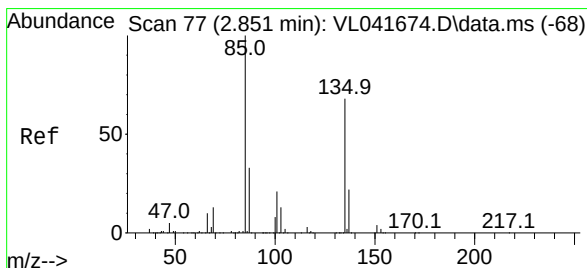
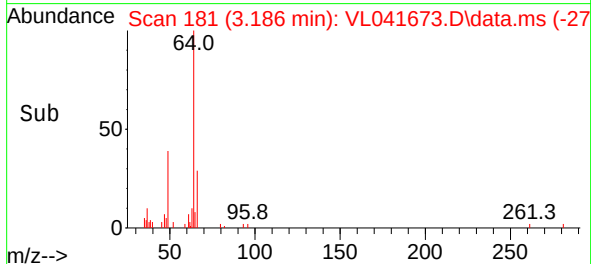
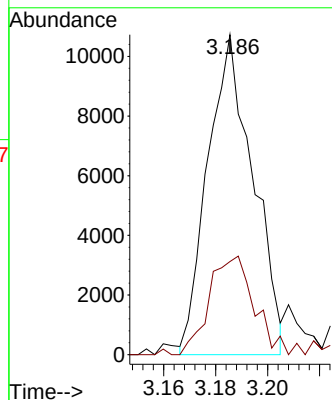
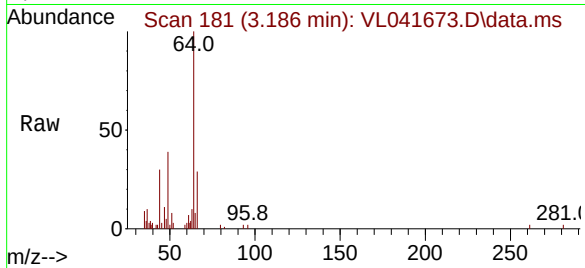




#7
Chloroethane
Concen: 0.518 ppbv
RT: 3.186 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

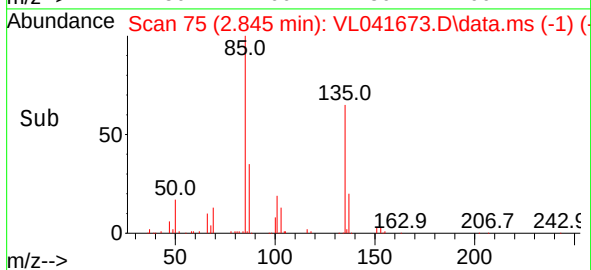
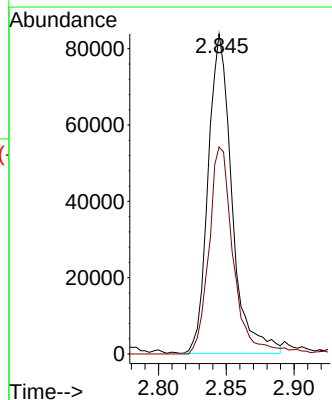
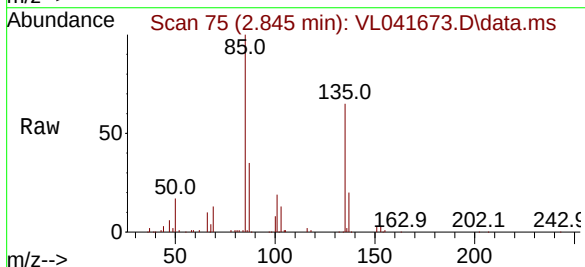
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

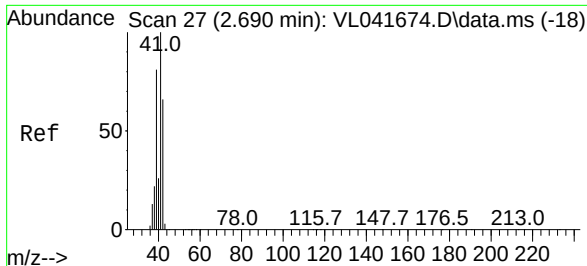
Tgt Ion: 64 Resp: 12979
Ion Ratio Lower Upper
64 100
66 27.0 25.9 38.9



#8
Dichlorotetrafluoroethane
Concen: 0.573 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.006 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

Tgt Ion: 85 Resp: 102282
Ion Ratio Lower Upper
85 100
135 67.6 55.5 83.3





#9

Propene

Concen: 0.464 ppbv

RT: 2.681 min Scan# 24

Delta R.T. -0.009 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

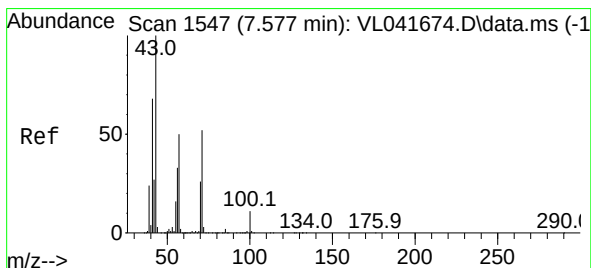
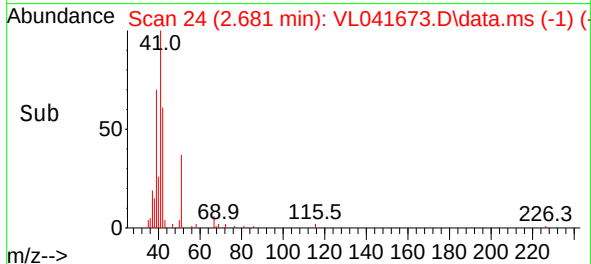
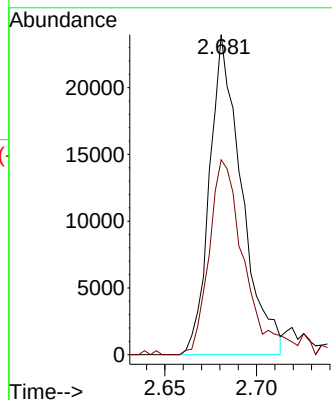
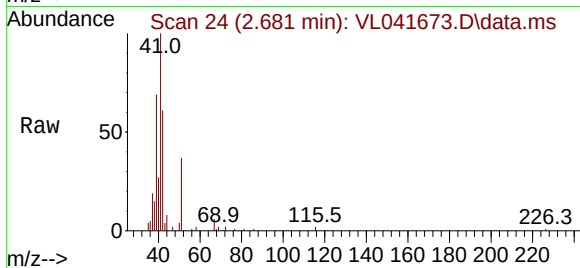
VSTDICC0.5

Tgt Ion: 41 Resp: 29126

Ion Ratio Lower Upper

41 100

42 68.6 55.0 82.4



#10

Heptane

Concen: 0.249 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. -0.009 min

Lab File: VL041673.D

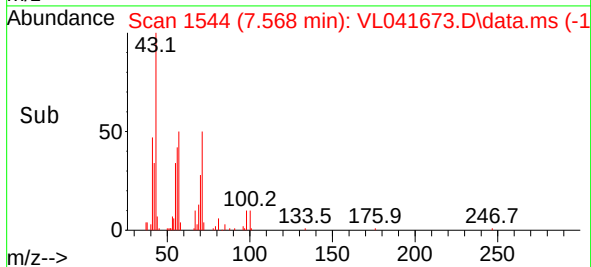
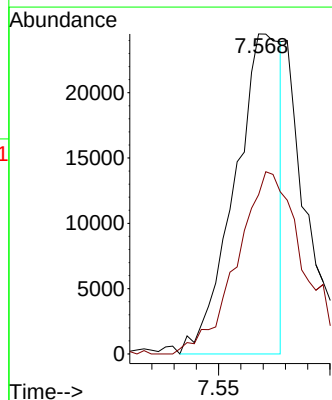
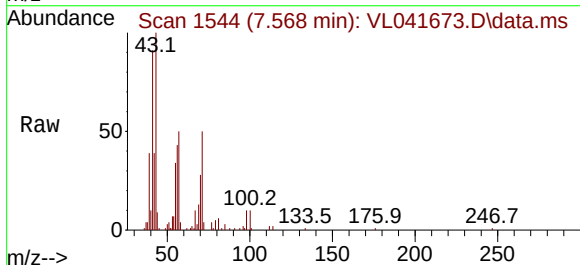
Acq: 7 Nov 2024 9:36

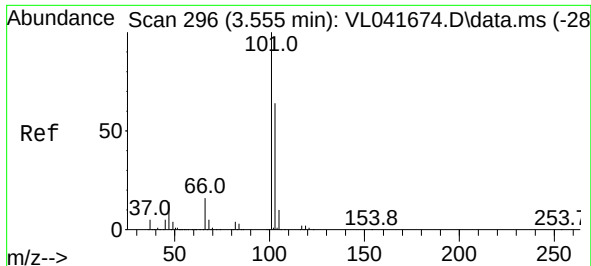
Tgt Ion: 43 Resp: 35110

Ion Ratio Lower Upper

43 100

57 84.1 40.0 60.0#

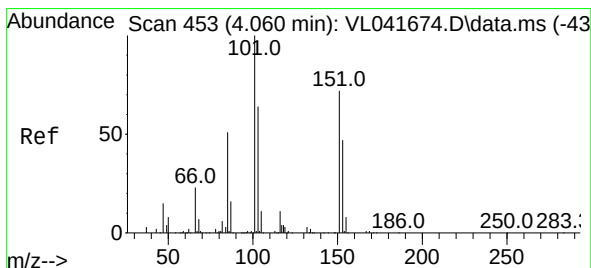
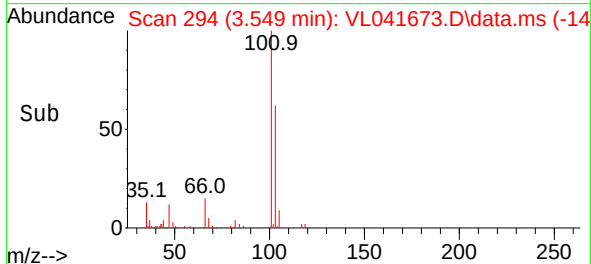
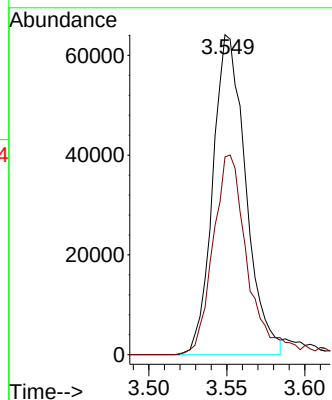
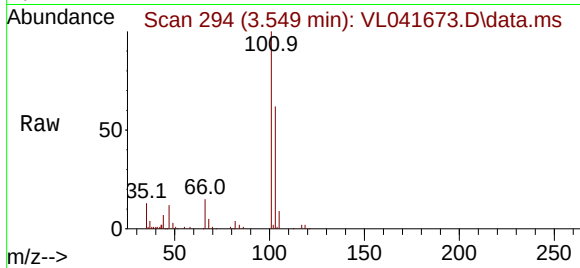




#11
 Trichlorofluoromethane
 Concen: 0.540 ppbv
 RT: 3.549 min Scan# 296
 Delta R.T. -0.006 min
 Lab File: VL041673.D
 Acq: 7 Nov 2024 9:36

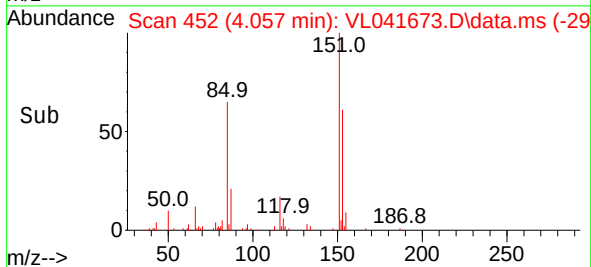
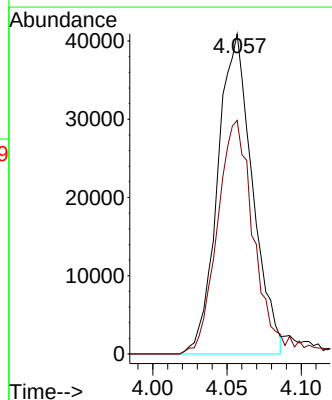
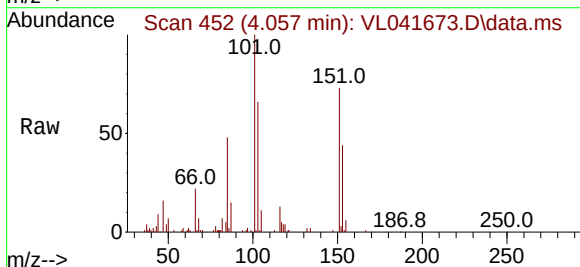
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

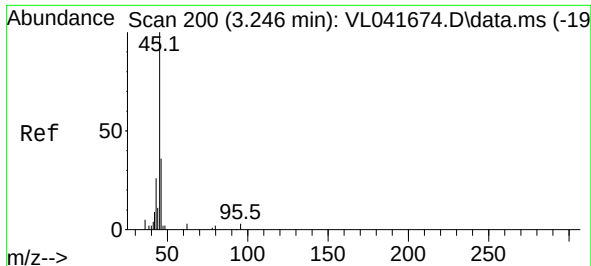
Tgt Ion:101 Resp: 94015
 Ion Ratio Lower Upper
 101 100
 103 61.4 51.0 76.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.526 ppbv
 RT: 4.057 min Scan# 452
 Delta R.T. -0.003 min
 Lab File: VL041673.D
 Acq: 7 Nov 2024 9:36

Tgt Ion:101 Resp: 66623
 Ion Ratio Lower Upper
 101 100
 151 78.6 59.1 88.7





#13

Ethanol

Concen: 0.280 ppbv

RT: 3.243 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

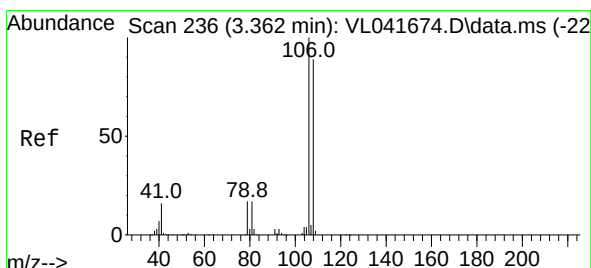
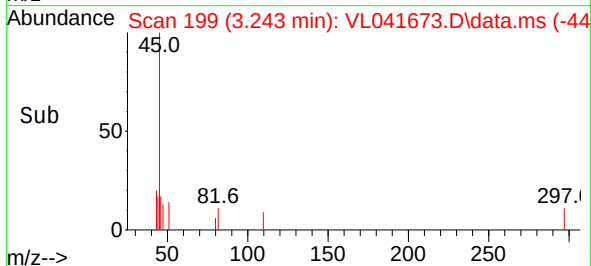
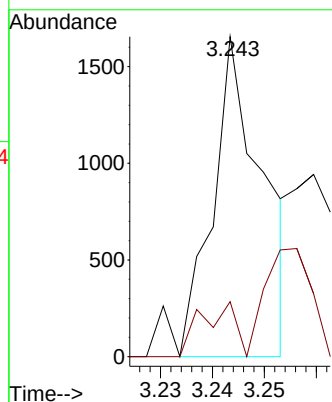
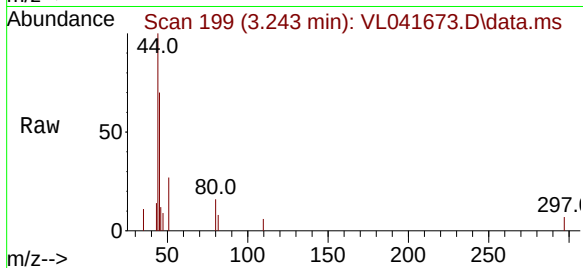
VSTDICC0.5

Tgt Ion: 45 Resp: 1094

Ion Ratio Lower Upper

45 100

46 64.9 13.8 55.2#



#14

Bromoethene

Concen: 0.475 ppbv

RT: 3.353 min Scan# 233

Delta R.T. -0.009 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

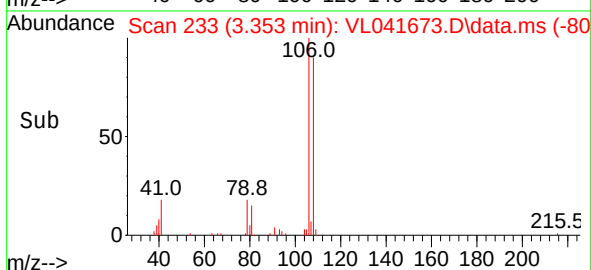
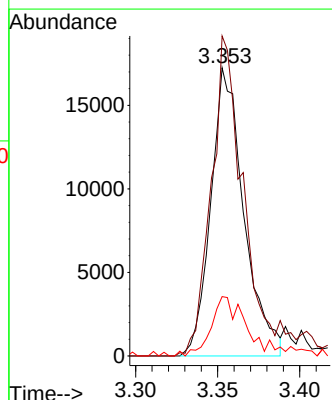
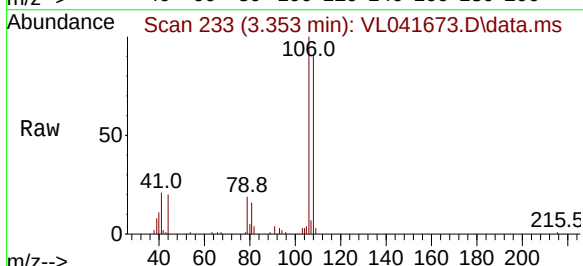
Tgt Ion:108 Resp: 24149

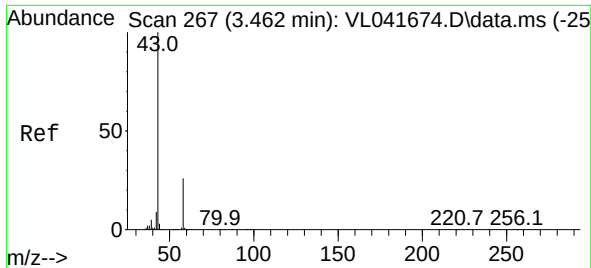
Ion Ratio Lower Upper

108 100

106 116.0 88.6 133.0

79 24.6 15.6 23.4#





#15

Acetone

Concen: 0.510 ppbv

RT: 3.472 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

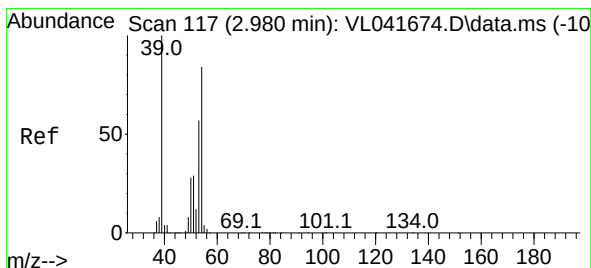
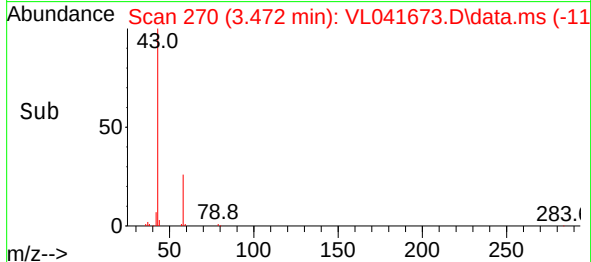
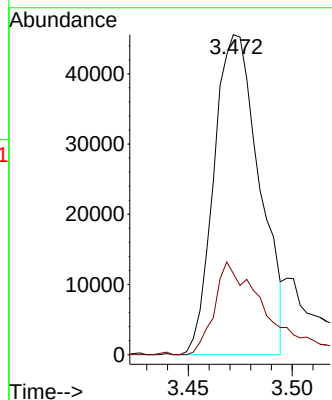
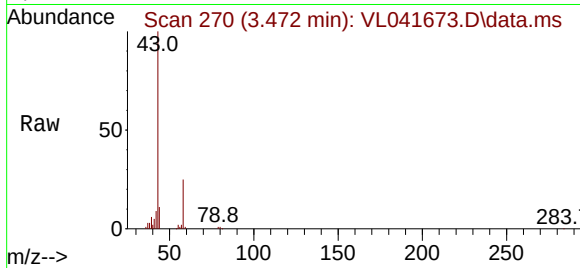
VSTDICC0.5

Tgt Ion: 43 Resp: 69401

Ion Ratio Lower Upper

43 100

58 35.1 21.4 32.0#



#16

1,3-Butadiene

Concen: 0.479 ppbv

RT: 2.977 min Scan# 116

Delta R.T. -0.003 min

Lab File: VL041673.D

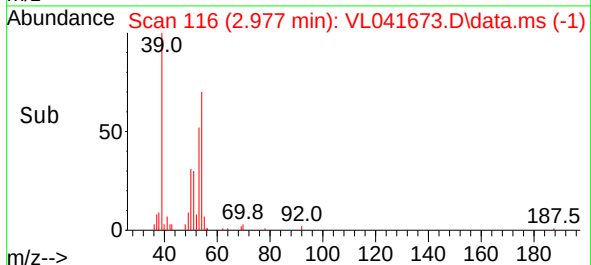
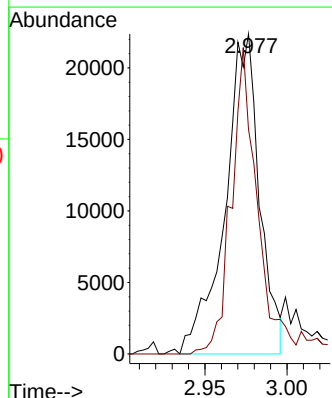
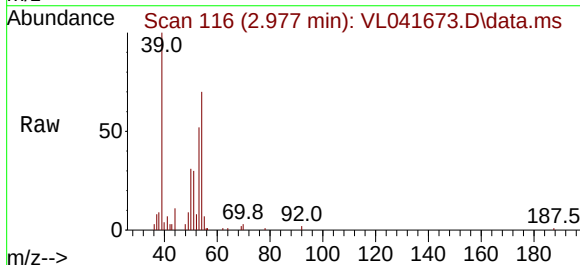
Acq: 7 Nov 2024 9:36

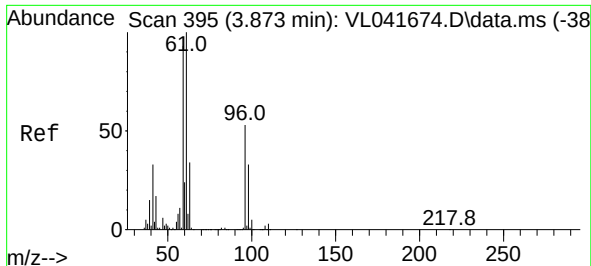
Tgt Ion: 39 Resp: 32713

Ion Ratio Lower Upper

39 100

54 77.5 61.3 91.9





#17

tert-Butyl alcohol

Concen: 0.420 ppbv

RT: 3.886 min Scan# 3

Delta R.T. 0.013 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

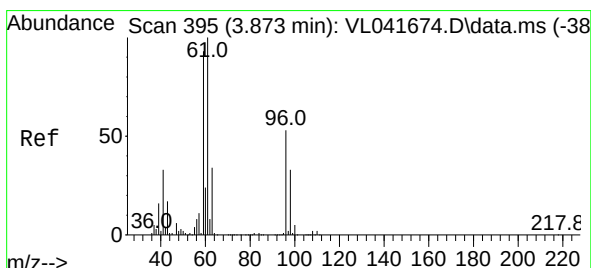
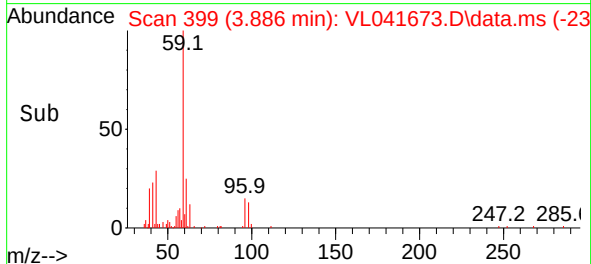
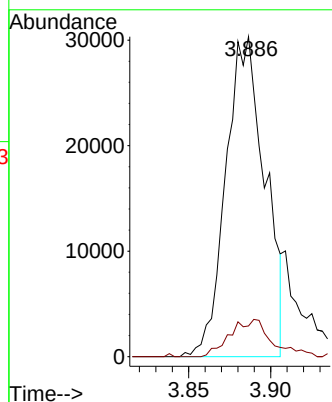
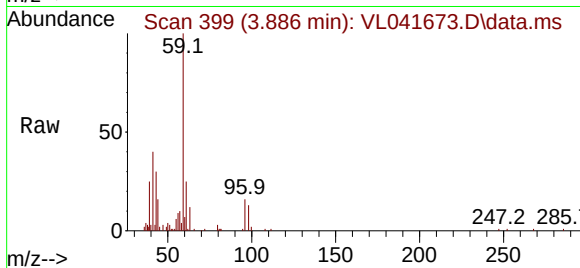
VSTDICC0.5

Tgt Ion: 59 Resp: 50217

Ion Ratio Lower Upper

59 100

57 13.1 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.493 ppbv

RT: 3.867 min Scan# 393

Delta R.T. -0.006 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

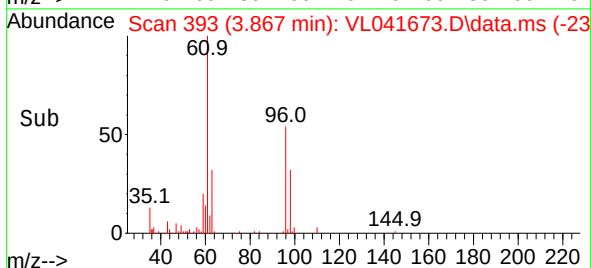
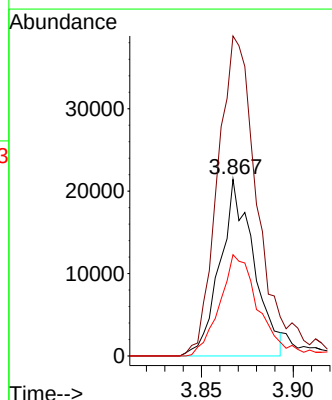
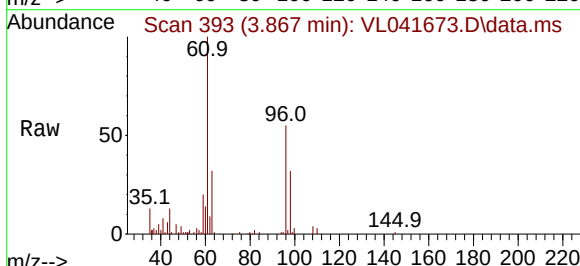
Tgt Ion: 96 Resp: 27360

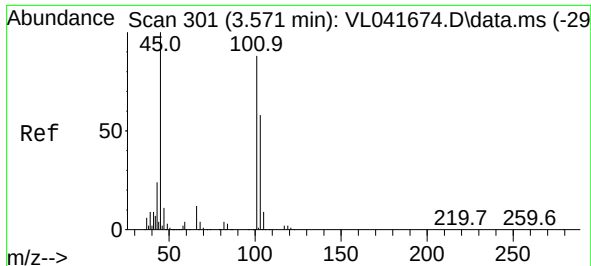
Ion Ratio Lower Upper

96 100

61 181.1 150.7 226.1

98 57.3 49.4 74.2





#19

Isopropyl Alcohol

Concen: 0.334 ppbv

RT: 3.581 min Scan# 301

Delta R.T. 0.010 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

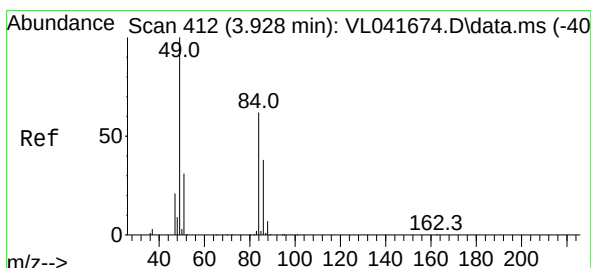
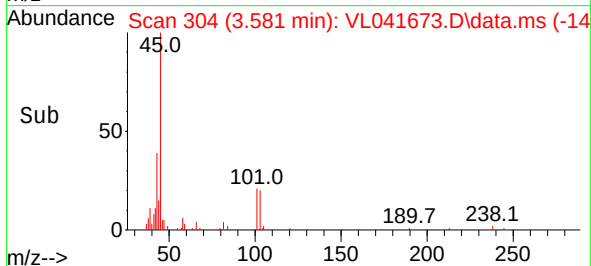
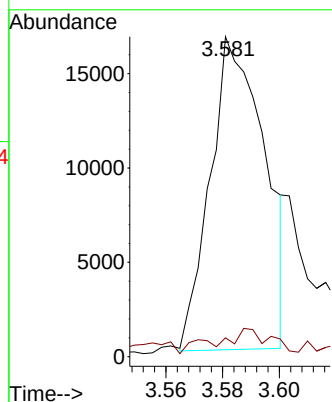
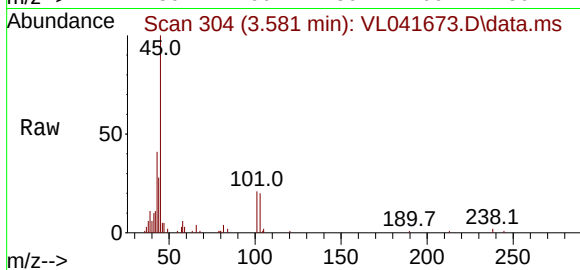
VSTDICC0.5

Tgt Ion: 45 Resp: 22001

Ion Ratio Lower Upper

45 100

58 18.2 2.5 3.7#



#20

Methylene Chloride

Concen: 0.598 ppbv

RT: 3.925 min Scan# 411

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Tgt Ion: 84 Resp: 29973

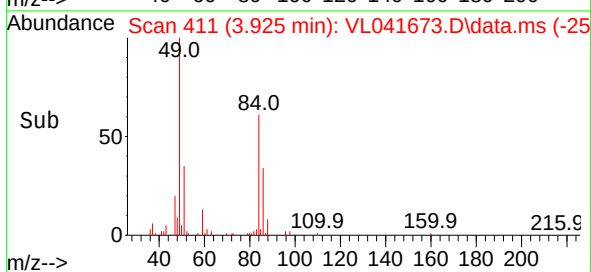
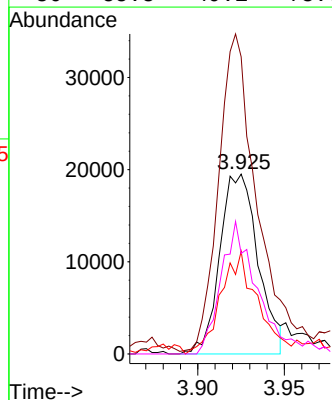
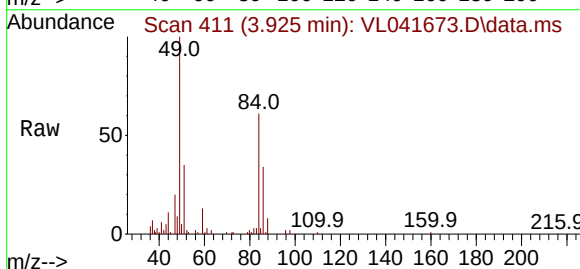
Ion Ratio Lower Upper

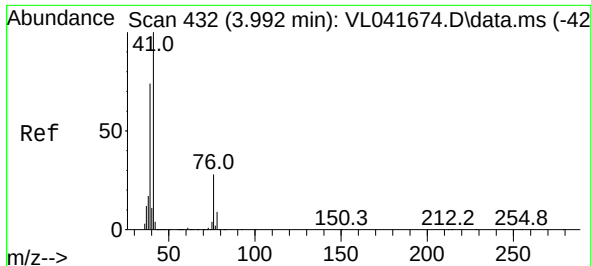
84 100

49 163.8 129.7 194.5

51 50.5 39.8 59.6

86 55.8 49.1 73.7





#21

Allyl Chloride

Concen: 0.475 ppbv

RT: 3.986 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

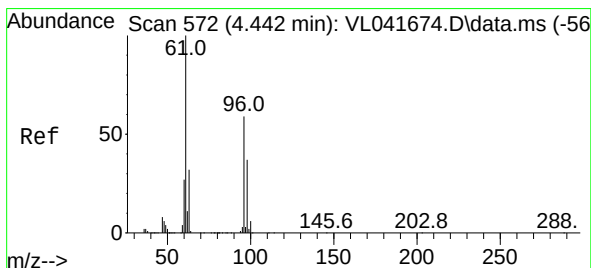
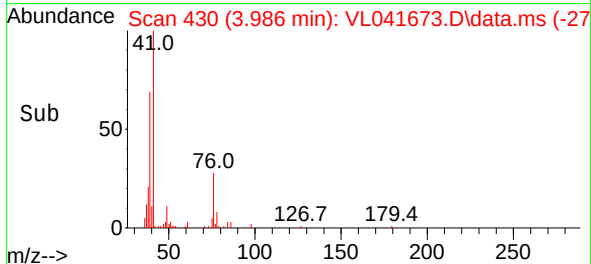
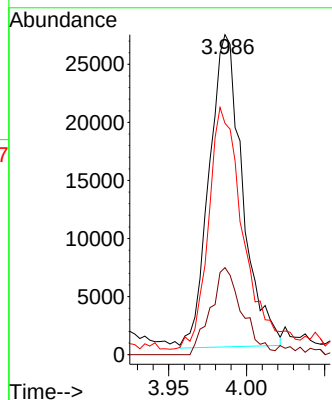
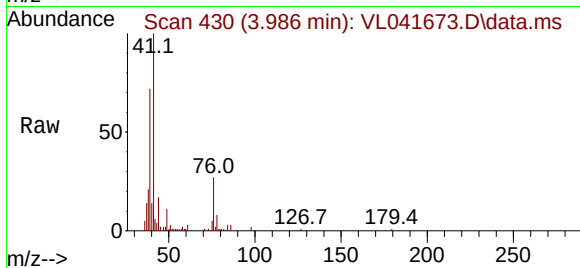
Tgt Ion: 41 Resp: 39968

Ion Ratio Lower Upper

41 100

76 29.2 23.5 35.3

39 89.7 63.0 94.4



#22

trans-1,2-Dichloroethene

Concen: 0.499 ppbv

RT: 4.436 min Scan# 570

Delta R.T. -0.006 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

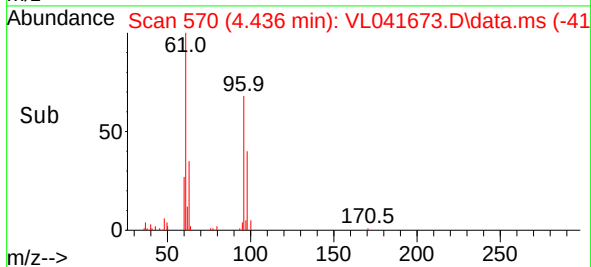
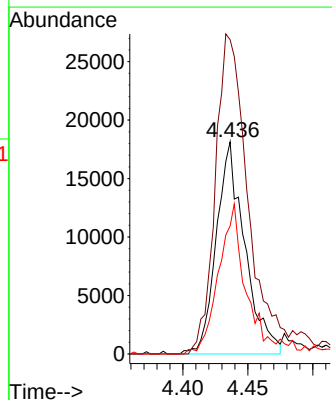
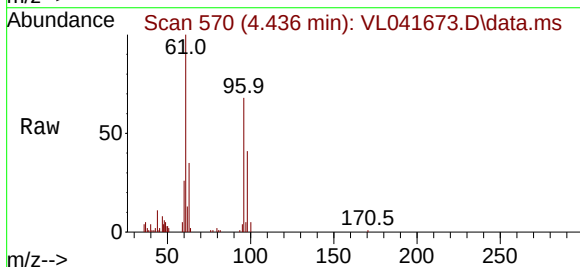
Tgt Ion: 96 Resp: 27650

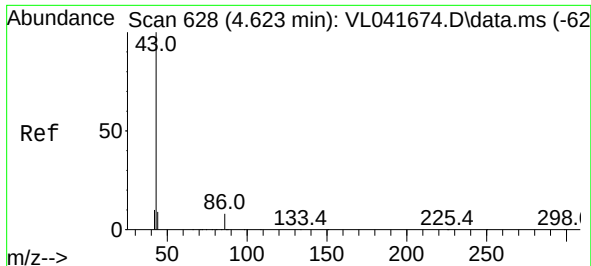
Ion Ratio Lower Upper

96 100

61 148.1 134.5 201.7

98 60.3 49.6 74.4



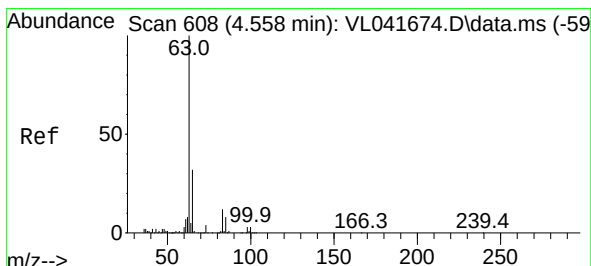
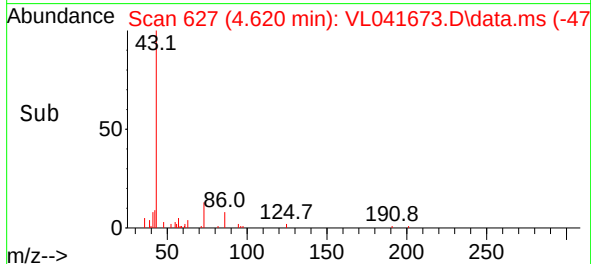
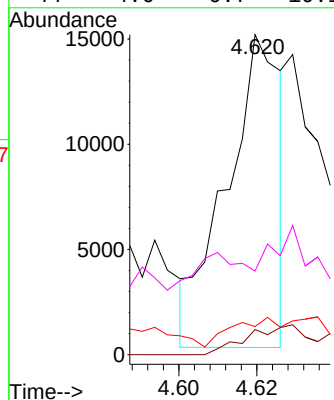
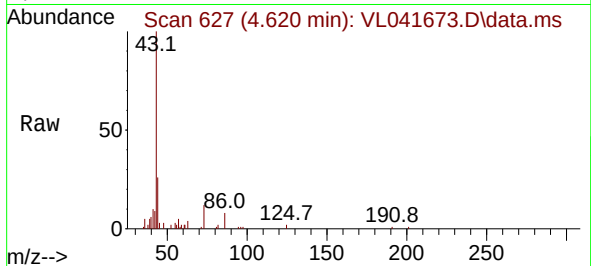


#23
 Vinyl Acetate
 Concen: 0.222 ppbv
 RT: 4.620 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL041673.D
 Acq: 7 Nov 2024 9:36

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

Tgt Ion: 43 Resp: 14233

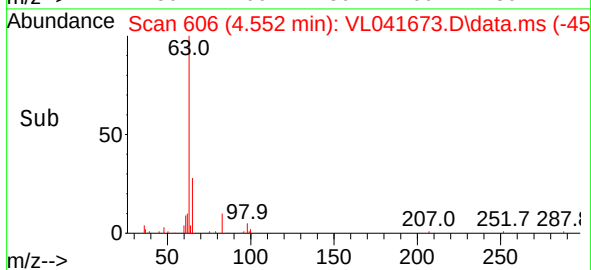
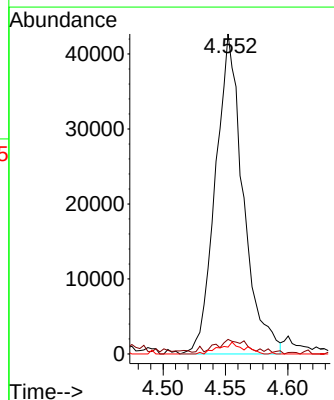
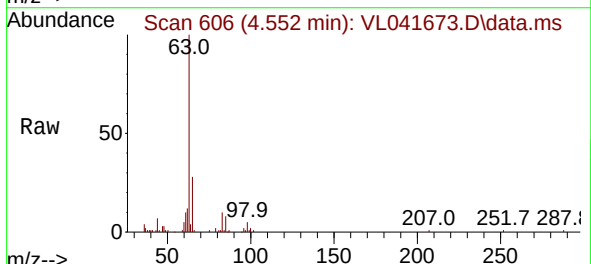
Ion	Ratio	Lower	Upper
43	100		
86	10.3	5.3	7.9#
42	3.8	8.5	12.7#
44	4.0	6.7	10.1#

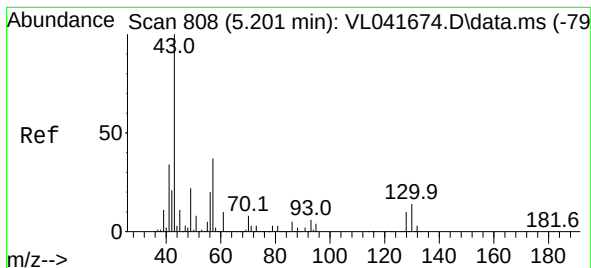


#24
 1,1-Dichloroethane
 Concen: 0.537 ppbv
 RT: 4.552 min Scan# 606
 Delta R.T. -0.006 min
 Lab File: VL041673.D
 Acq: 7 Nov 2024 9:36

Tgt Ion: 63 Resp: 66112

Ion	Ratio	Lower	Upper
63	100		
98	3.5	1.8	5.4
100	2.1	1.4	4.2





#25

Ethyl Acetate

Concen: 0.454 ppbv

RT: 5.202 min Scan# 808

Delta R.T. 0.000 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 128056

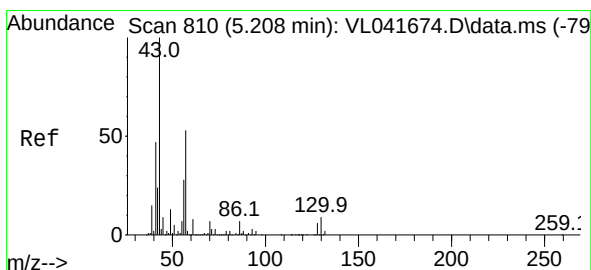
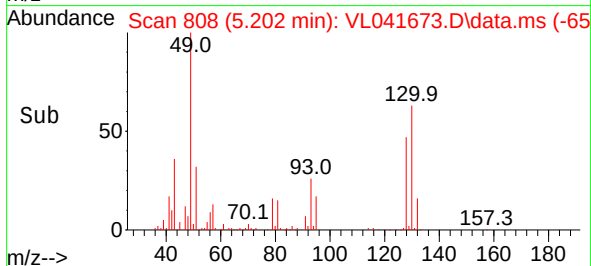
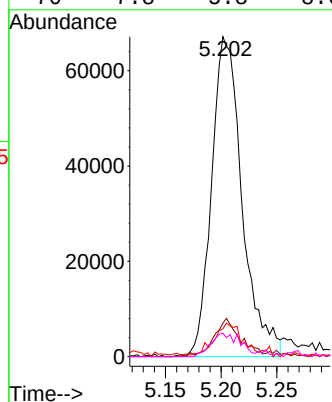
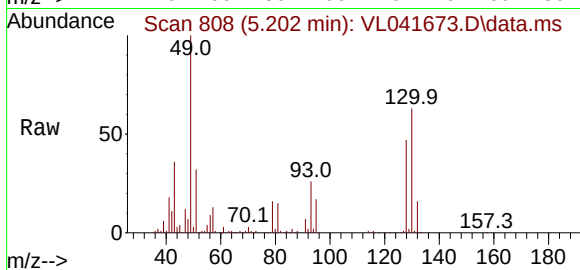
Ion Ratio Lower Upper

43 100

45 11.4 8.6 13.0

61 10.4 8.4 12.6

70 7.8 5.8 8.6



#26

Hexane

Concen: 0.256 ppbv

RT: 5.205 min Scan# 809

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Tgt Ion: 57 Resp: 27739

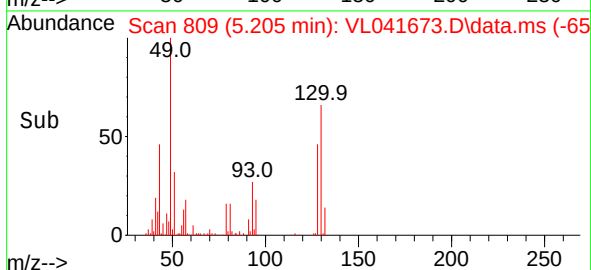
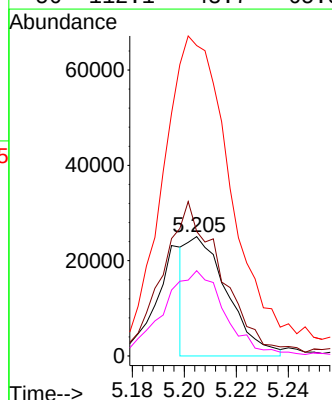
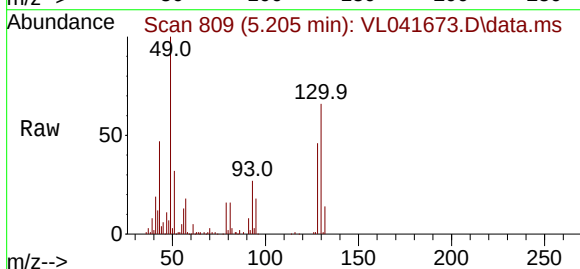
Ion Ratio Lower Upper

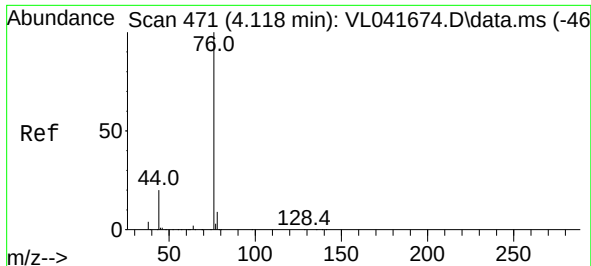
57 100

41 199.1 76.1 114.1#

43 494.0 207.0 310.6#

56 112.1 43.7 65.5#

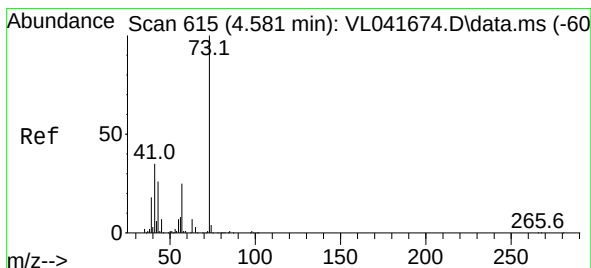
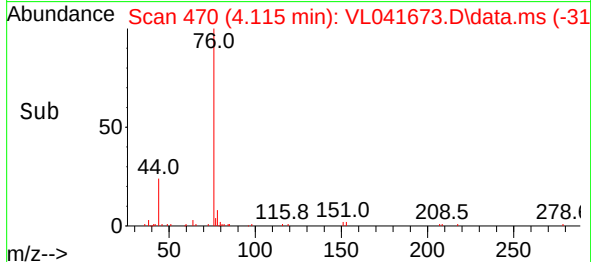
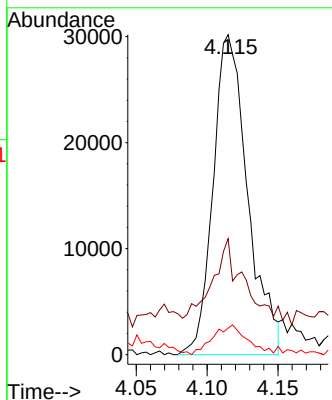
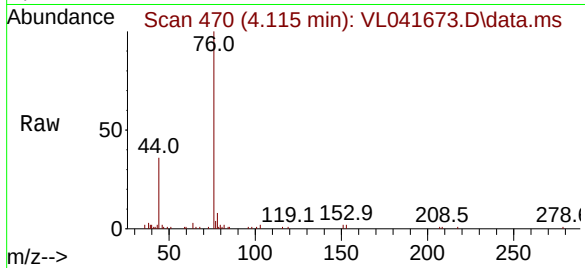




#27
Carbon Disulfide
Concen: 0.422 ppbv
RT: 4.115 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

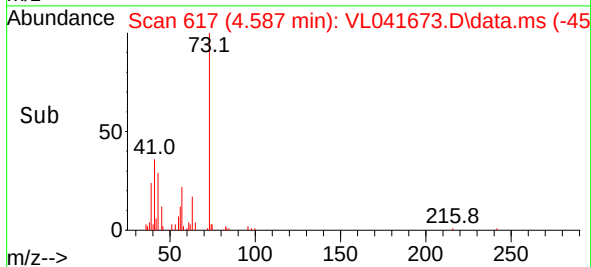
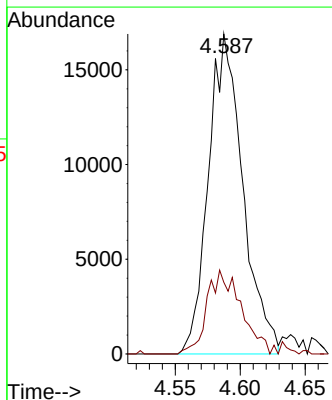
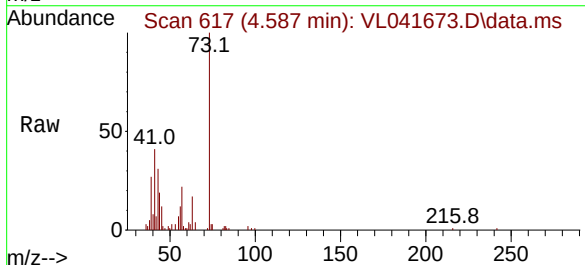
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

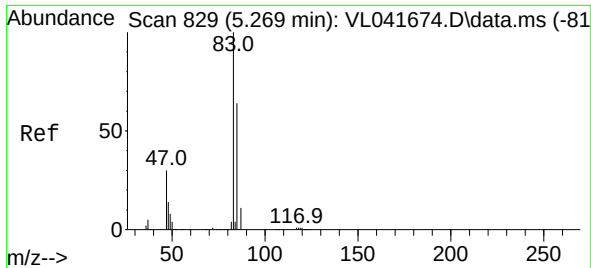
Tgt Ion: 76 Resp: 51344
Ion Ratio Lower Upper
76 100
44 29.3 15.8 23.8#
78 10.8 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 0.447 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.007 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

Tgt Ion: 73 Resp: 31135
Ion Ratio Lower Upper
73 100
57 27.2 19.6 29.4





#29

Chloroform

Concen: 0.527 ppbv

RT: 5.266 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

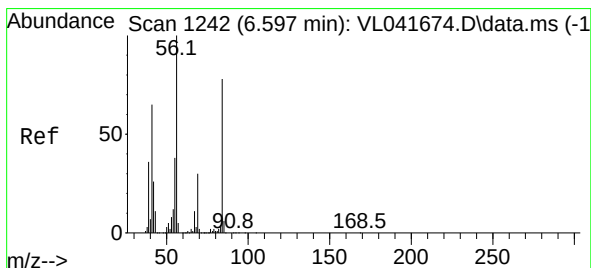
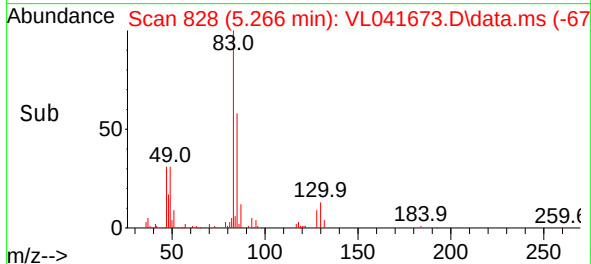
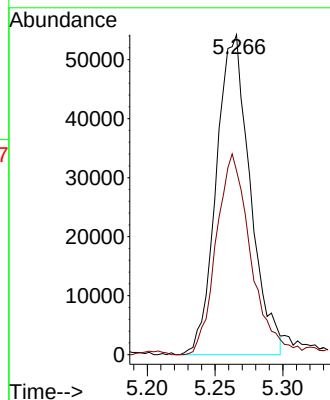
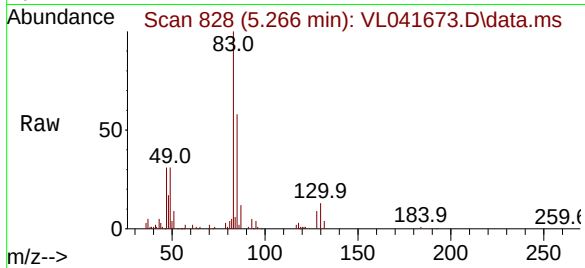
VSTDICC0.5

Tgt Ion: 83 Resp: 94165

Ion Ratio Lower Upper

83 100

85 57.5 51.1 76.7



#30

Cyclohexane

Concen: 0.094 ppbv

RT: 6.597 min Scan# 1242

Delta R.T. 0.000 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

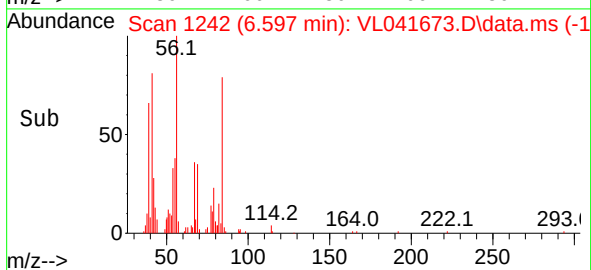
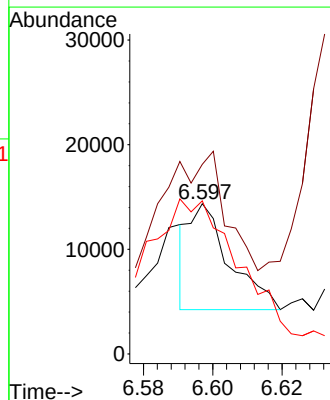
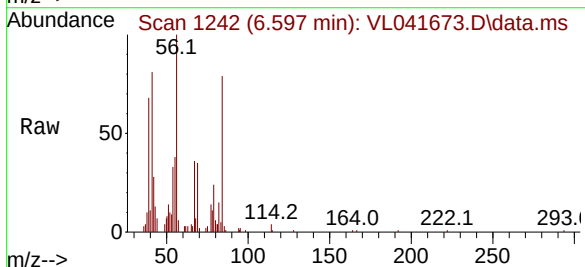
Tgt Ion: 84 Resp: 8161

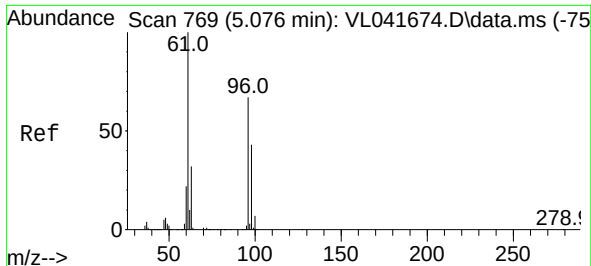
Ion Ratio Lower Upper

84 100

56 475.1 110.8 166.2#

41 408.2 70.0 105.0#





#31

cis-1,2-Dichloroethene

Concen: 0.418 ppbv

RT: 5.066 min Scan# 7

Delta R.T. -0.009 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

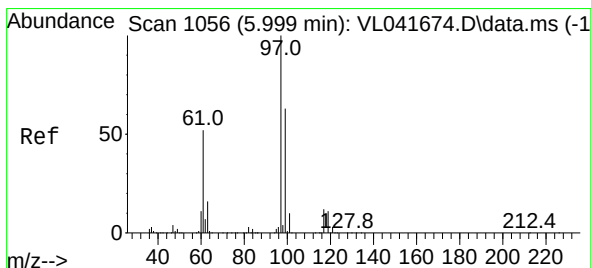
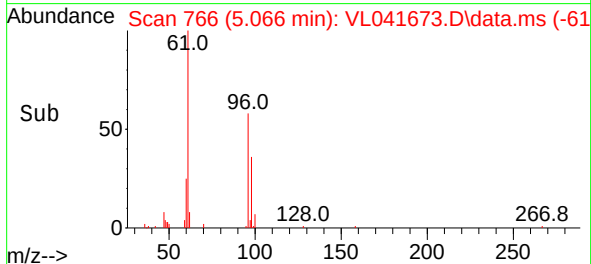
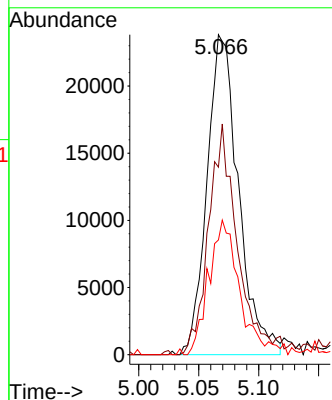
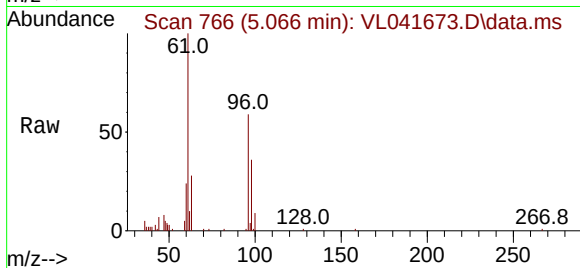
Tgt Ion: 61 Resp: 43581

Ion Ratio Lower Upper

61 100

96 58.6 53.4 80.2

98 34.1 34.0 51.0



#32

1,1,1-Trichloroethane

Concen: 0.527 ppbv

RT: 5.992 min Scan# 1054

Delta R.T. -0.006 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

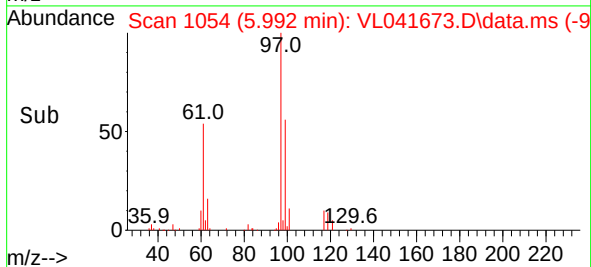
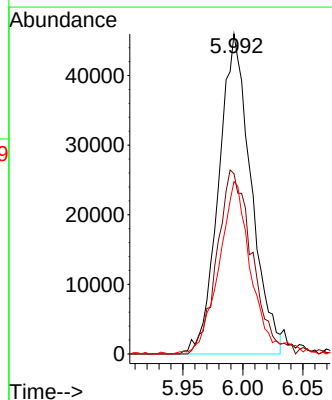
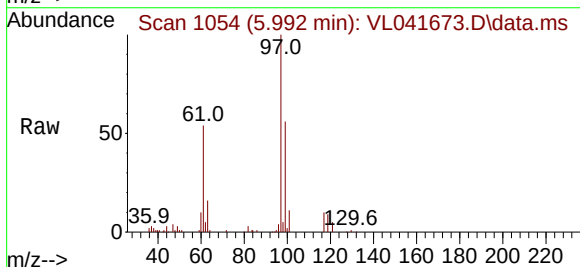
Tgt Ion: 97 Resp: 86390

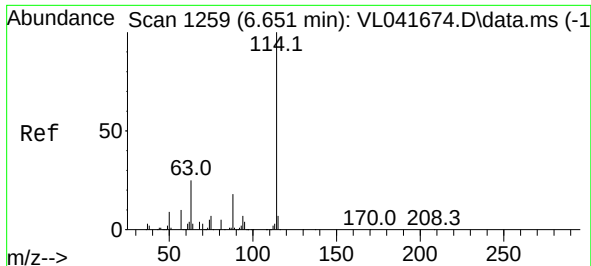
Ion Ratio Lower Upper

97 100

99 63.2 51.4 77.2

61 54.3 41.7 62.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1

Delta R.T. -0.009 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

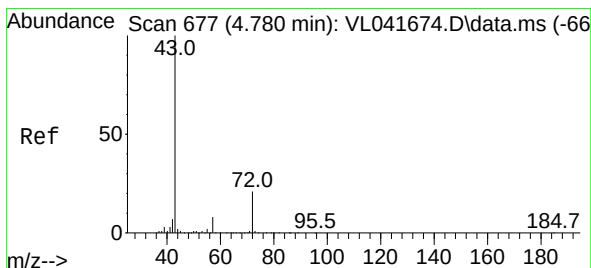
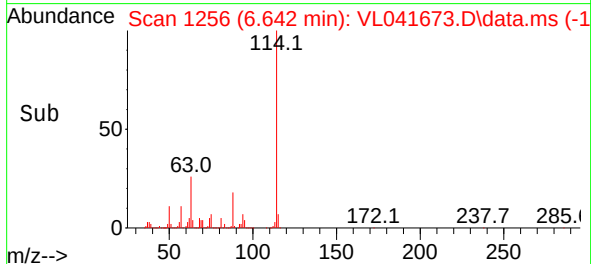
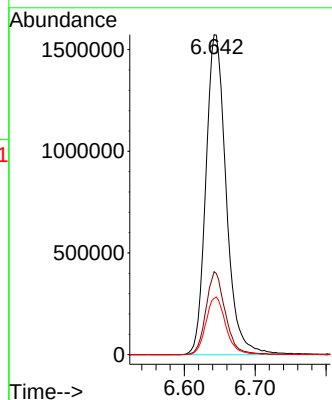
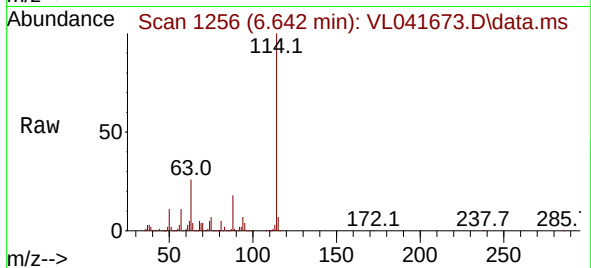
Tgt Ion:114 Resp: 3129770

Ion Ratio Lower Upper

114 100

63 25.0 20.3 30.5

88 17.8 14.2 21.4



#34

2-Butanone

Concen: 0.464 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.013 min

Lab File: VL041673.D

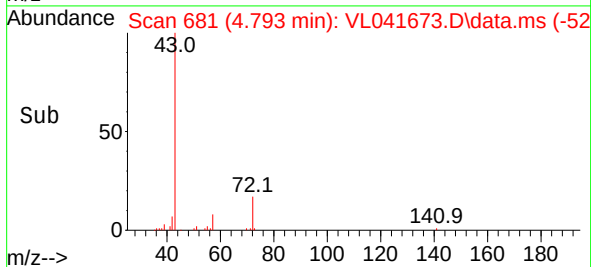
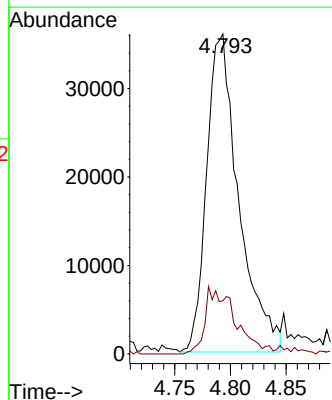
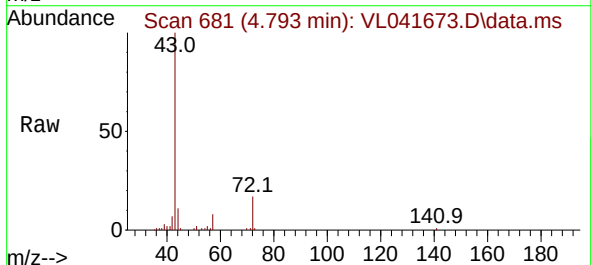
Acq: 7 Nov 2024 9:36

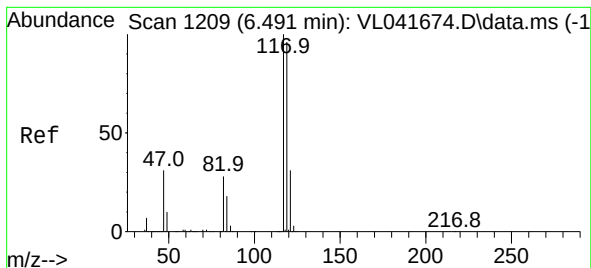
Tgt Ion: 43 Resp: 72284

Ion Ratio Lower Upper

43 100

72 21.7 17.4 26.0





#35

Carbon Tetrachloride

Concen: 0.514 ppbv

RT: 6.481 min Scan# 1169

Delta R.T. -0.009 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

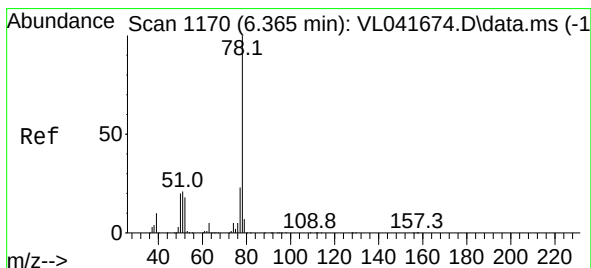
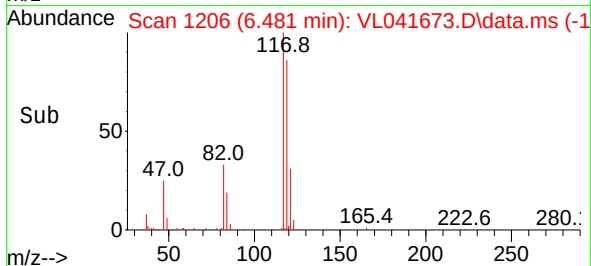
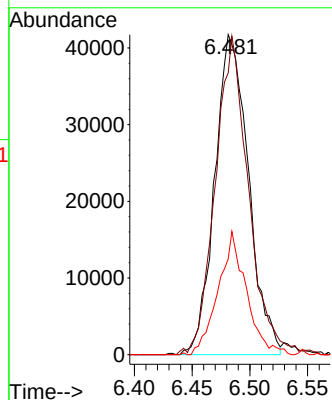
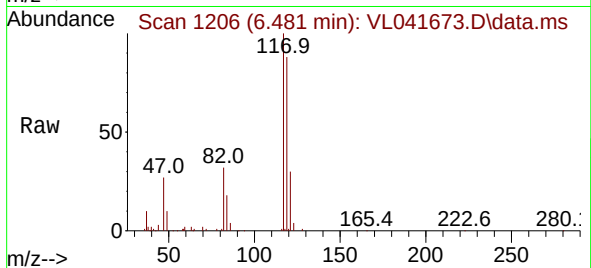
Tgt Ion:117 Resp: 84978

Ion Ratio Lower Upper

117 100

119 86.9 77.2 115.8

121 29.9 25.0 37.4



#36

Benzene

Concen: 0.403 ppbv

RT: 6.362 min Scan# 1169

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

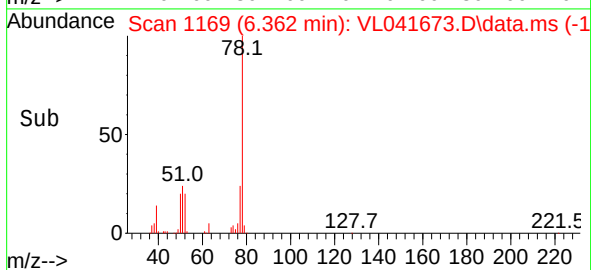
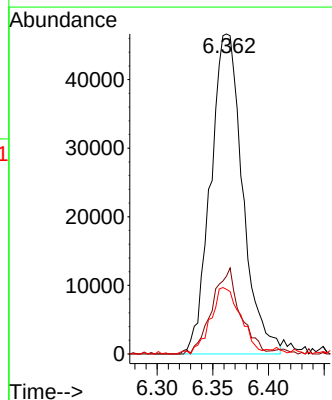
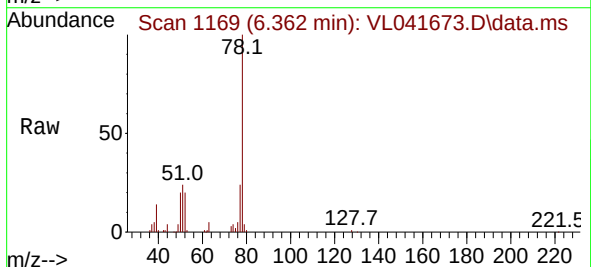
Tgt Ion: 78 Resp: 93476

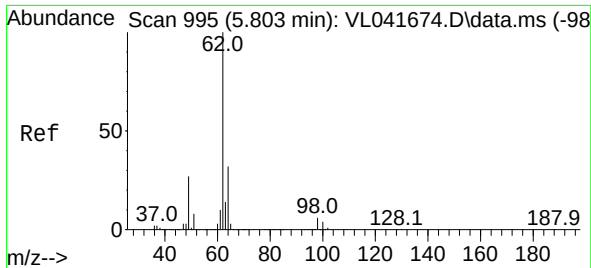
Ion Ratio Lower Upper

78 100

77 24.3 18.5 27.7

50 19.7 15.6 23.4

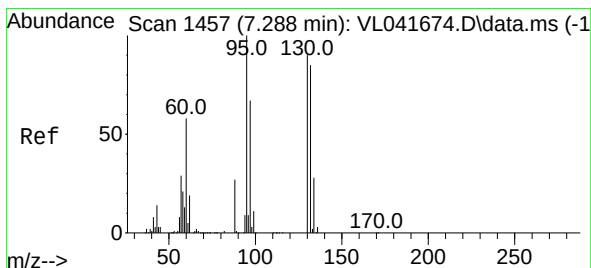
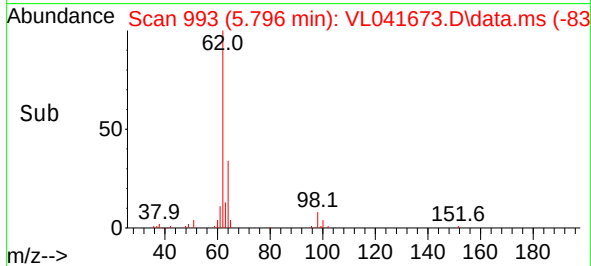
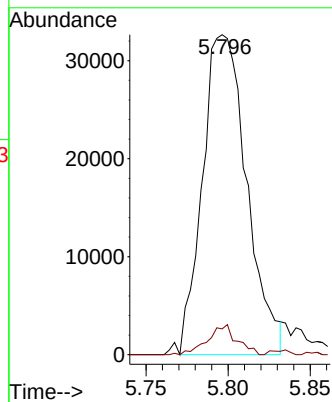
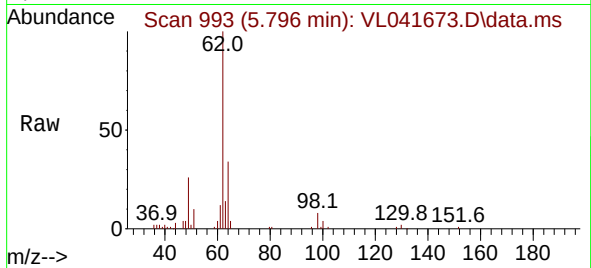




#37
1,2-Dichloroethane
Concen: 0.467 ppbv
RT: 5.796 min Scan# 995
Delta R.T. -0.006 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

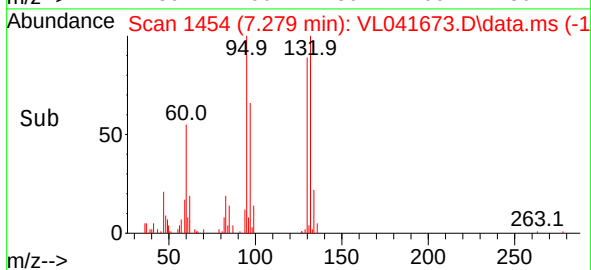
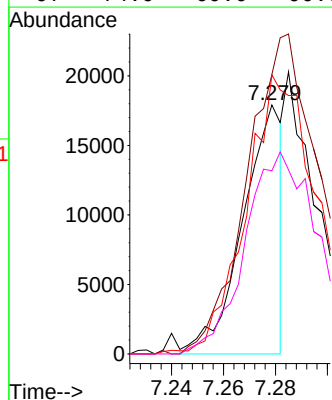
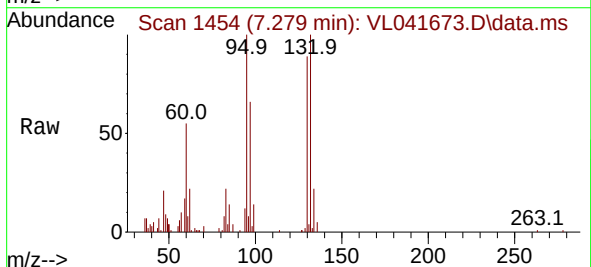
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

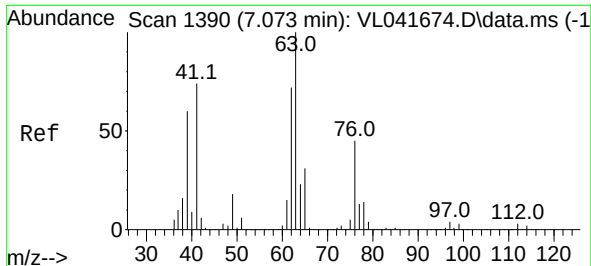
Tgt Ion: 62 Resp: 61144
Ion Ratio Lower Upper
62 100
98 7.0 5.2 7.8



#38
Trichloroethene
Concen: 0.209 ppbv
RT: 7.279 min Scan# 1454
Delta R.T. -0.009 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

Tgt Ion:130 Resp: 18661
Ion Ratio Lower Upper
130 100
95 114.2 89.1 133.7
132 112.8 75.7 113.5
97 74.9 60.0 90.0





#39

1,2-Dichloropropane

Concen: 0.447 ppbv

RT: 7.063 min Scan# 1411

Delta R.T. -0.009 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

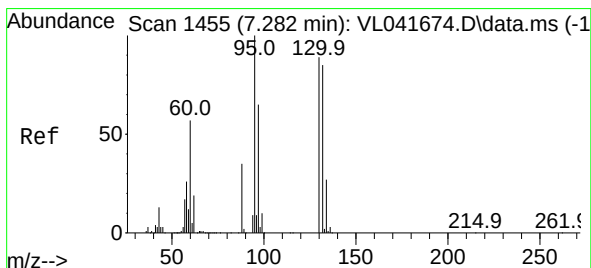
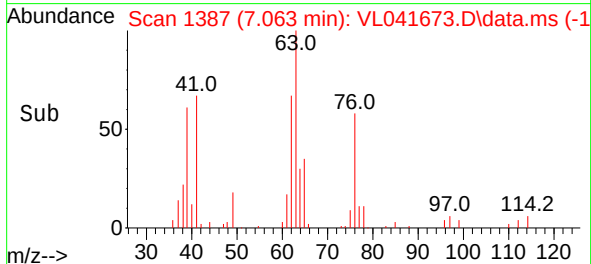
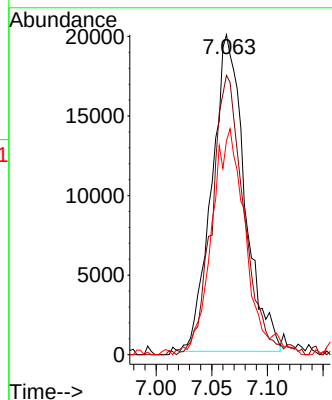
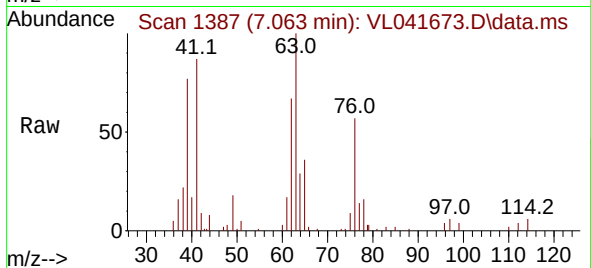
Tgt Ion: 63 Resp: 40977

Ion Ratio Lower Upper

63 100

41 87.4 59.1 88.7

62 64.8 57.7 86.5



#40

1,4-Dioxane

Concen: 0.006 ppbv

RT: 7.237 min Scan# 1441

Delta R.T. -0.045 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Tgt Ion: 88 Resp: 182

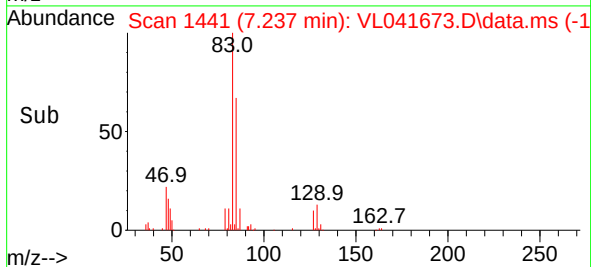
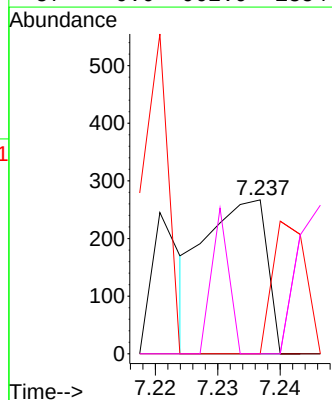
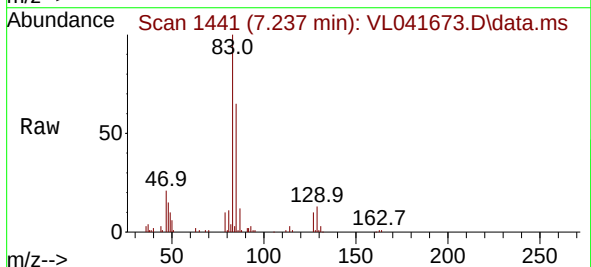
Ion Ratio Lower Upper

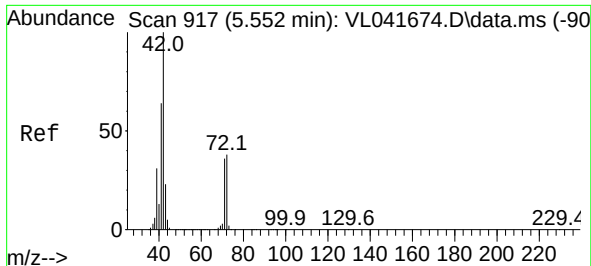
88 100

58 0.0 101.4 152.2#

43 0.0 208.0 312.0#

57 0.0 902.9 1354.3#





#41

Tetrahydrofuran

Concen: 0.137 ppbv

RT: 5.565 min Scan# 917

Delta R.T. 0.013 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

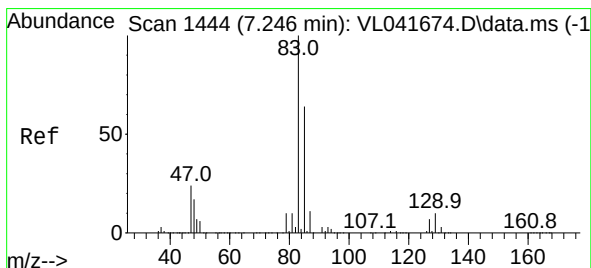
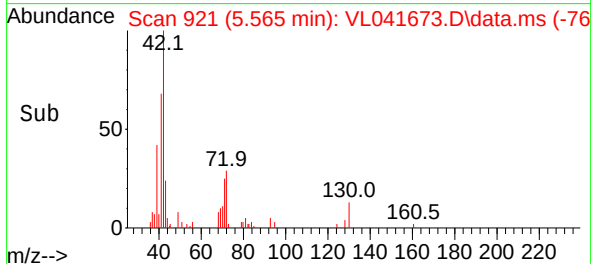
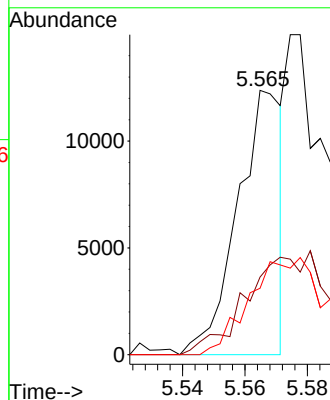
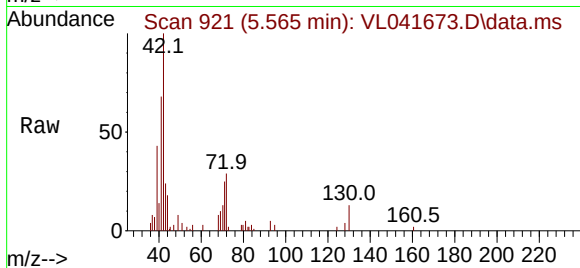
Tgt Ion: 42 Resp: 12165

Ion Ratio Lower Upper

42 100

72 0.0 29.8 44.6#

71 0.0 29.4 44.2#



#42

Bromodichloromethane

Concen: 0.277 ppbv

RT: 7.240 min Scan# 1442

Delta R.T. -0.006 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

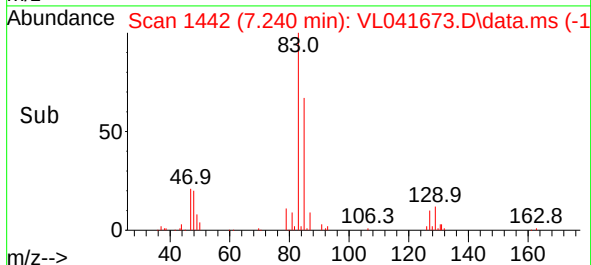
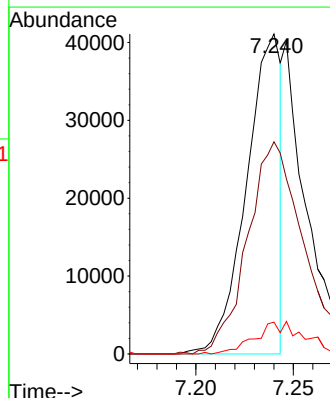
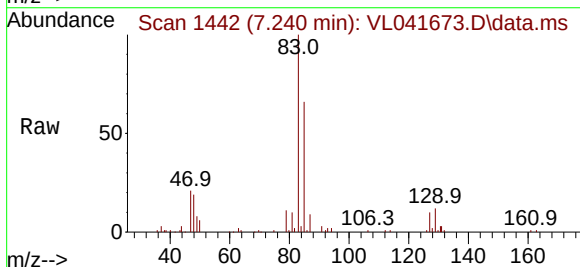
Tgt Ion: 83 Resp: 50447

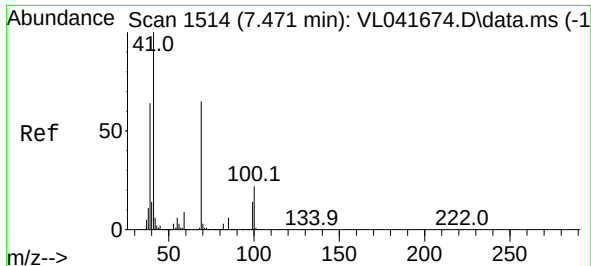
Ion Ratio Lower Upper

83 100

85 65.8 51.2 76.8

127 9.9 6.0 9.0#





#43

Methyl Methacrylate

Concen: 0.294 ppbv

RT: 7.475 min Scan# 1466

Delta R.T. 0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

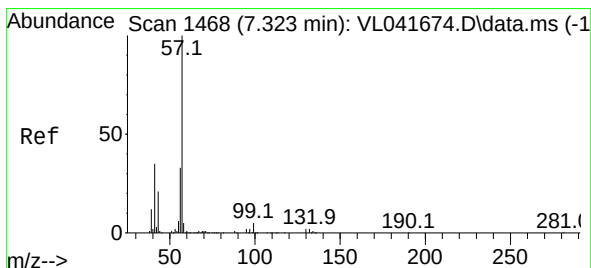
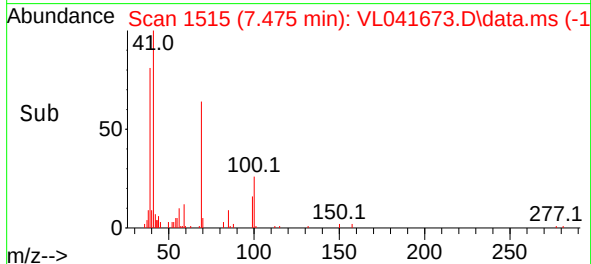
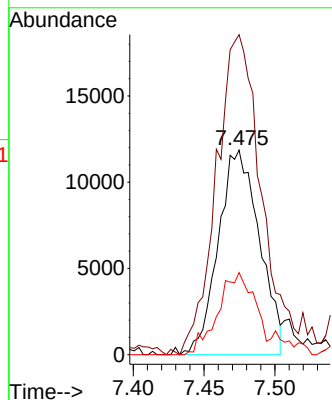
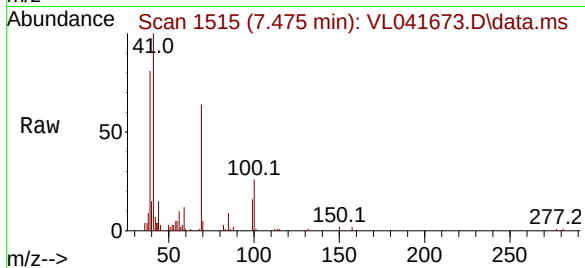
Tgt Ion: 69 Resp: 23964

Ion Ratio Lower Upper

69 100

41 174.7 119.8 179.6

100 41.4 27.3 40.9#



#44

2,2,4-Trimethylpentane

Concen: 0.245 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. -0.006 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

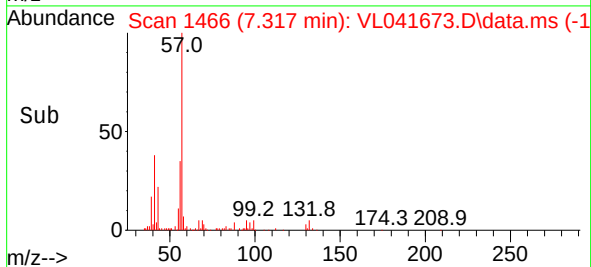
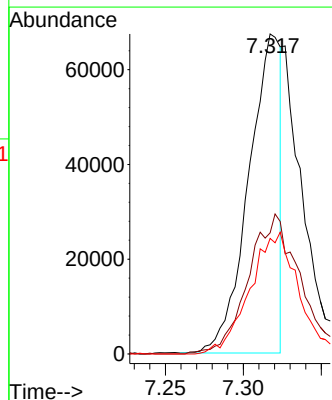
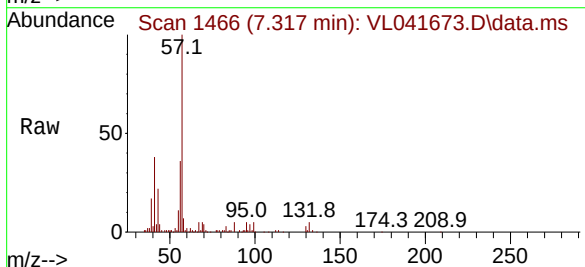
Tgt Ion: 57 Resp: 96150

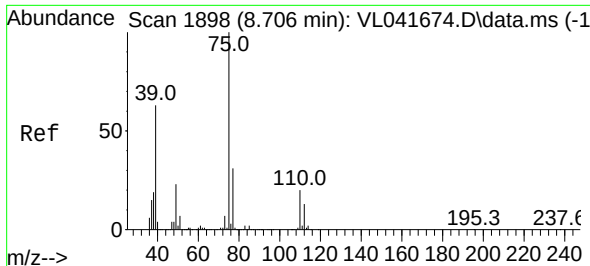
Ion Ratio Lower Upper

57 100

41 0.0 27.0 40.6#

56 0.0 25.8 38.6#





#45

t-1,3-Dichloropropene

Concen: 0.063 ppbv

RT: 8.719 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

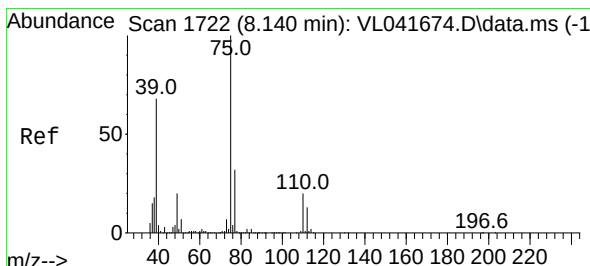
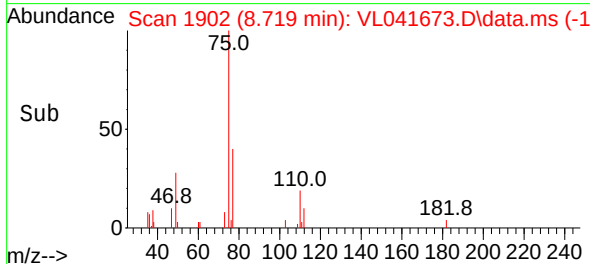
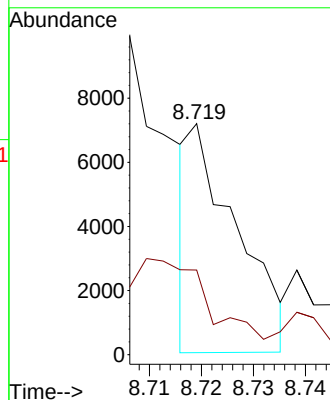
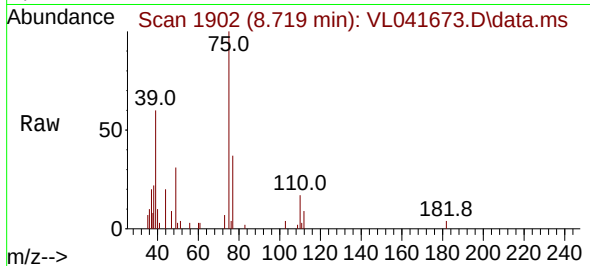
VSTDICC0.5

Tgt Ion: 75 Resp: 4577

Ion Ratio Lower Upper

75 100

77 36.7 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.306 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

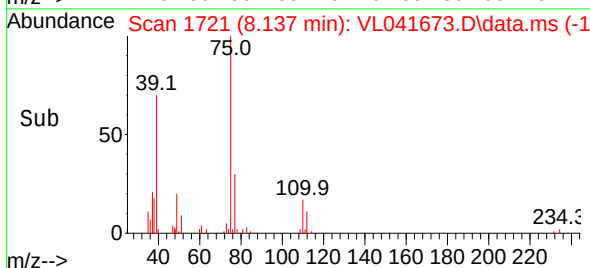
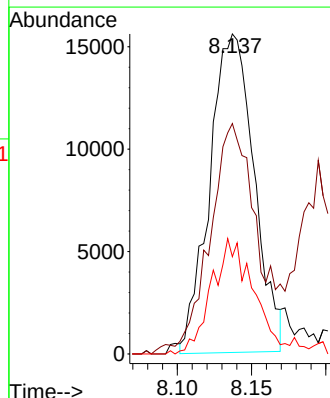
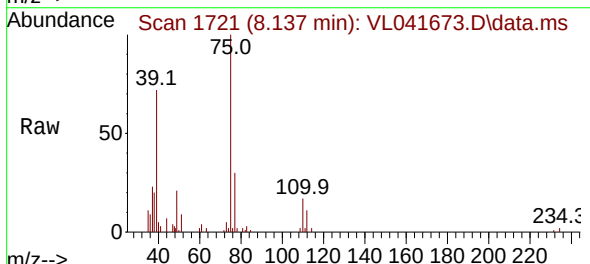
Tgt Ion: 75 Resp: 32366

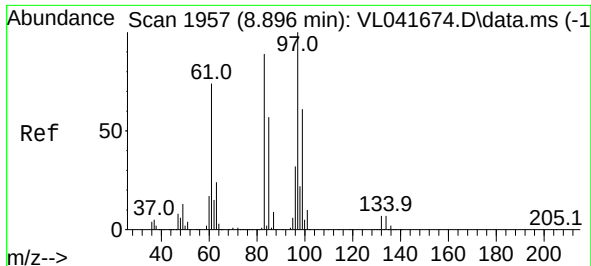
Ion Ratio Lower Upper

75 100

39 70.4 54.1 81.1

77 30.4 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 0.479 ppbv

RT: 8.893 min Scan# 1956

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 47322

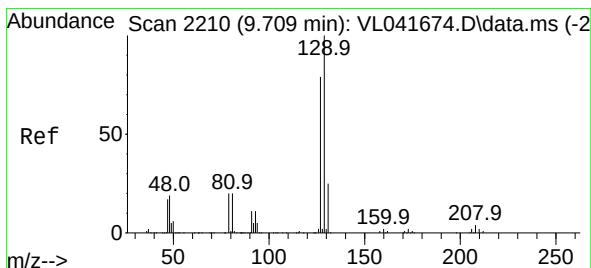
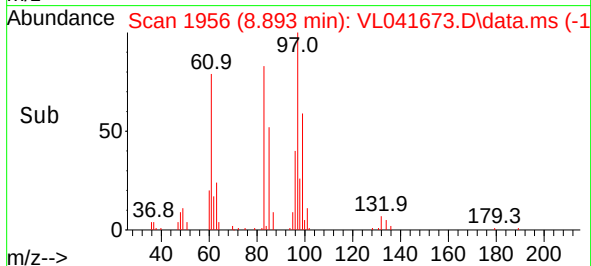
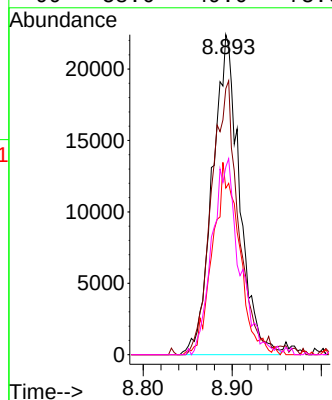
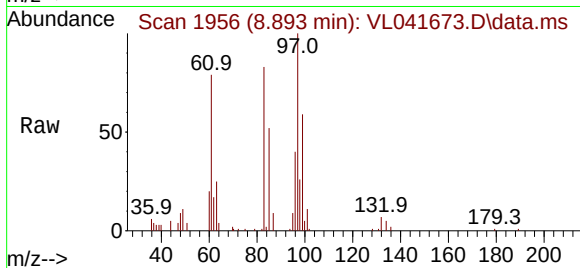
Ion Ratio Lower Upper

97 100

83 83.1 71.0 106.6

85 52.0 45.4 68.2

99 58.6 49.0 73.6



#48

Dibromochloromethane

Concen: 0.422 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.006 min

Lab File: VL041673.D

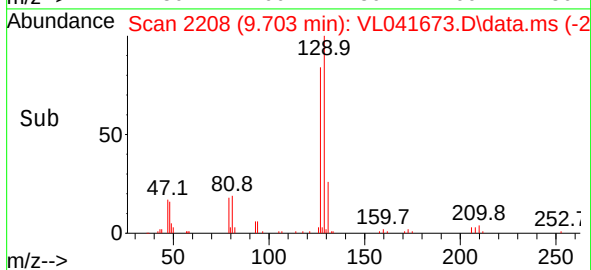
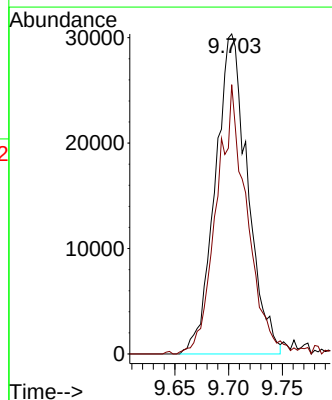
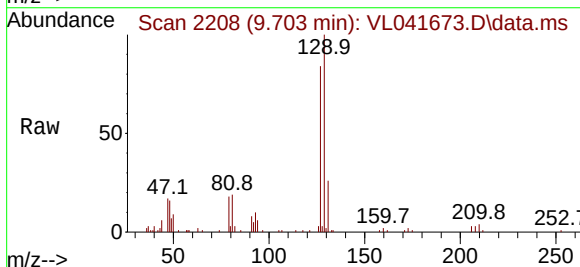
Acq: 7 Nov 2024 9:36

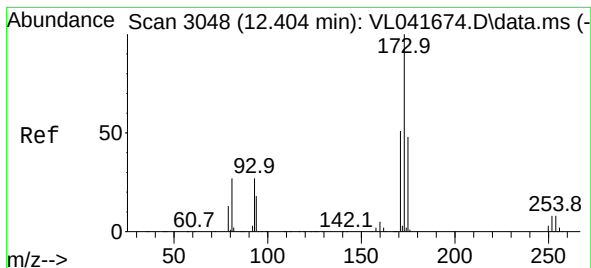
Tgt Ion: 129 Resp: 63686

Ion Ratio Lower Upper

129 100

127 79.1 39.1 117.2





#49

Bromoform

Concen: 0.410 ppbv

RT: 12.397 min Scan# 3048

Delta R.T. -0.006 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

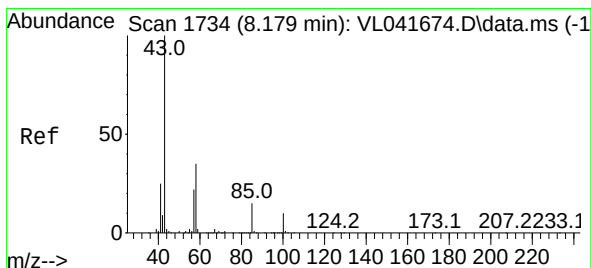
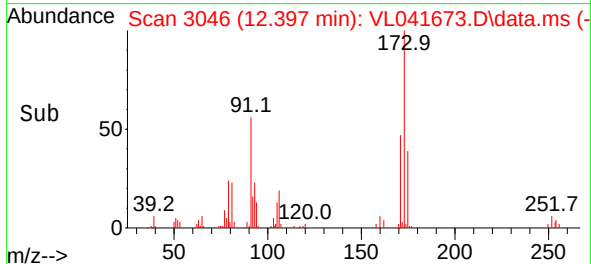
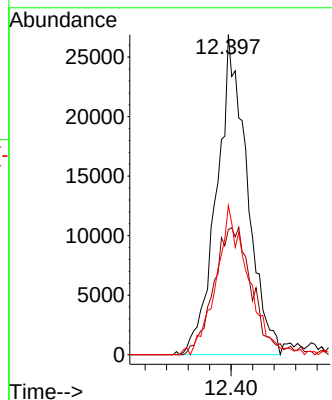
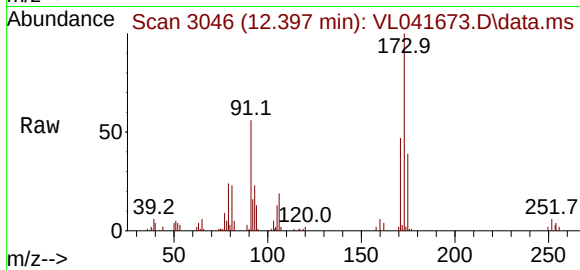
Tgt Ion:173 Resp: 52765

Ion Ratio Lower Upper

173 100

175 51.2 39.2 58.8

171 49.8 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 0.363 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.016 min

Lab File: VL041673.D

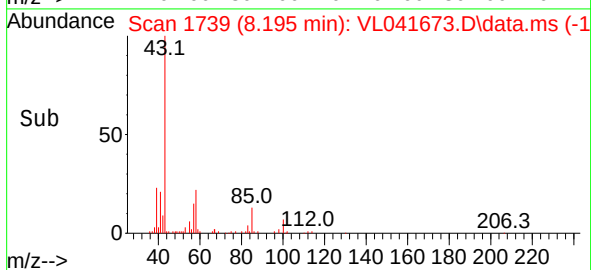
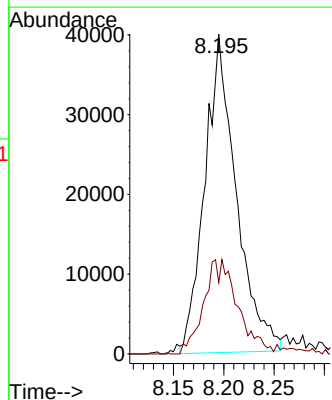
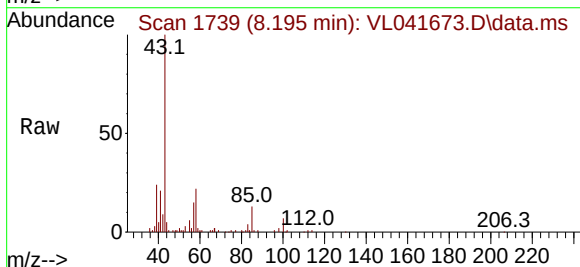
Acq: 7 Nov 2024 9:36

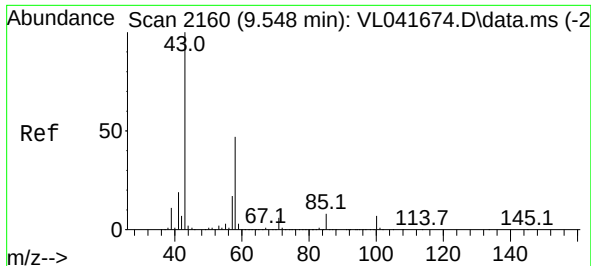
Tgt Ion: 43 Resp: 86918

Ion Ratio Lower Upper

43 100

58 33.9 27.7 41.5

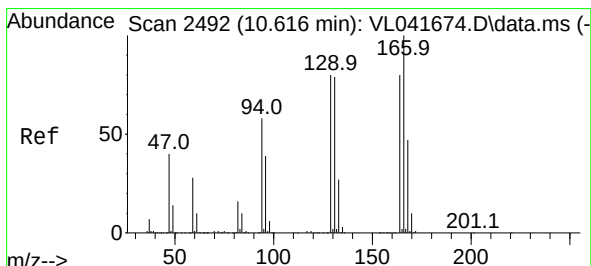
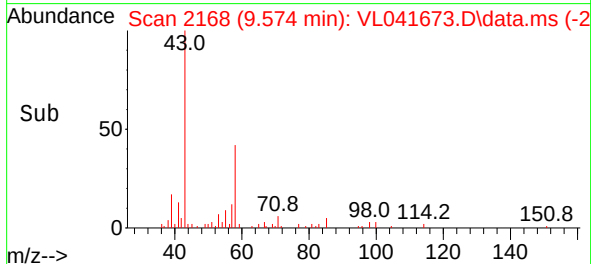
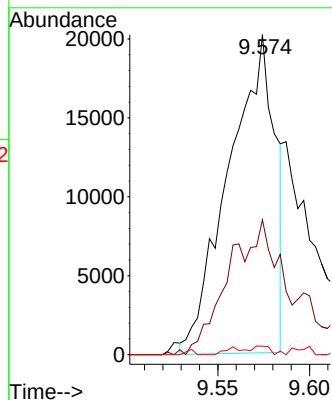
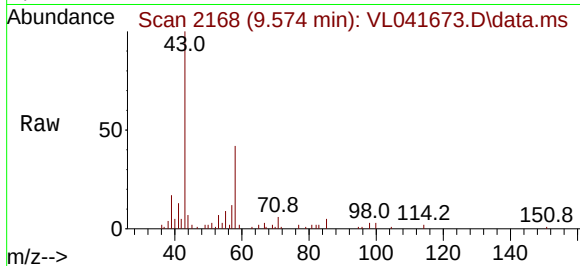




#51
2-Hexanone
Concen: 0.203 ppbv
RT: 9.574 min Scan# 2160
Delta R.T. 0.026 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

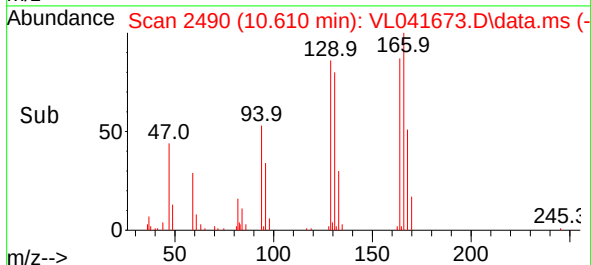
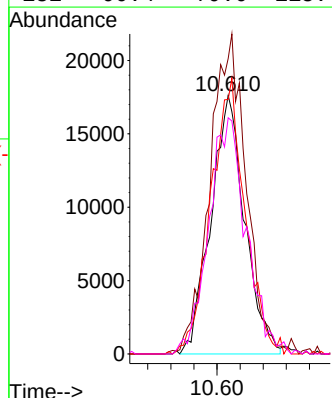
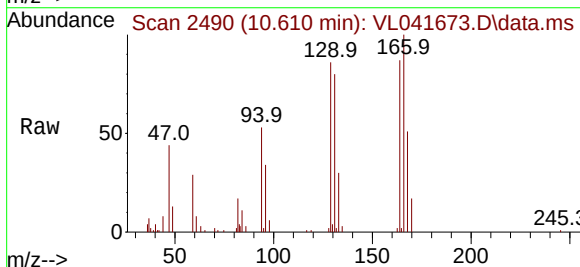
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

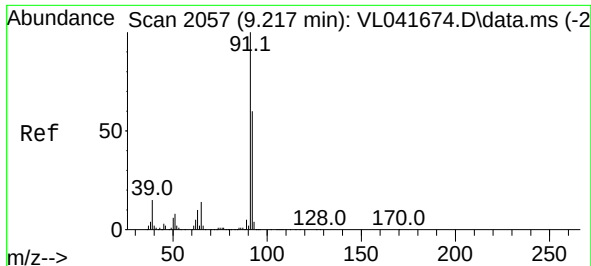
Tgt Ion: 43 Resp: 35331
Ion Ratio Lower Upper
43 100
58 64.1 37.0 55.6#
98 3.2 0.6 0.8#



#52
Tetrachloroethene
Concen: 0.453 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. -0.006 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

Tgt Ion: 164 Resp: 35915
Ion Ratio Lower Upper
164 100
166 112.7 100.2 150.4
129 95.4 79.7 119.5
131 90.4 79.0 118.4





#53

Toluene

Concen: 0.189 ppbv

RT: 9.214 min Scan# 2057

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

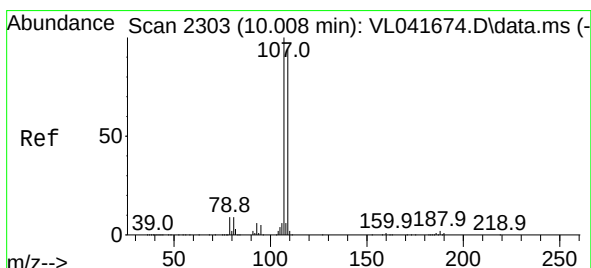
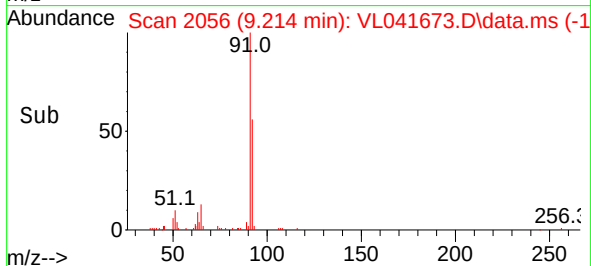
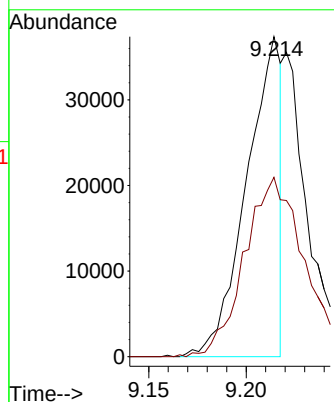
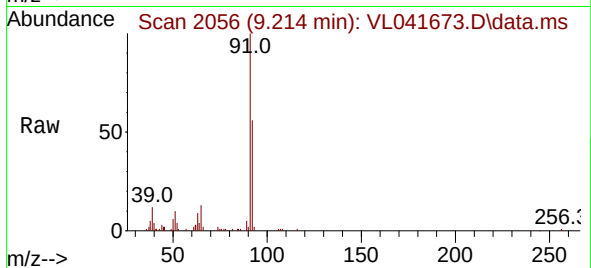
VSTDIC0.5

Tgt Ion: 91 Resp: 46027

Ion Ratio Lower Upper

91 100

92 99.5 49.0 73.4#



#54

1,2-Dibromoethane

Concen: 0.192 ppbv

RT: 9.996 min Scan# 2299

Delta R.T. -0.013 min

Lab File: VL041673.D

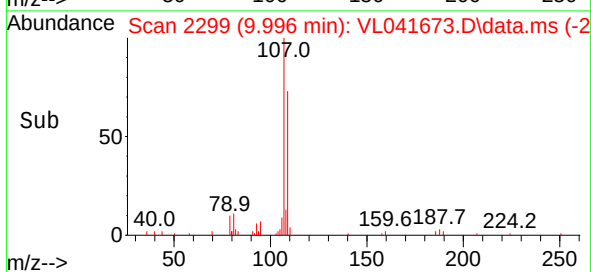
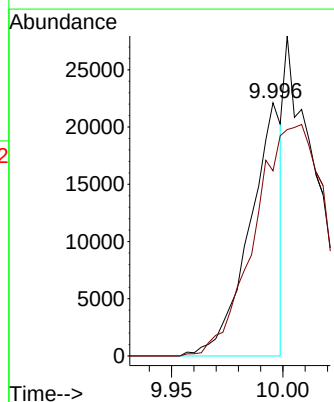
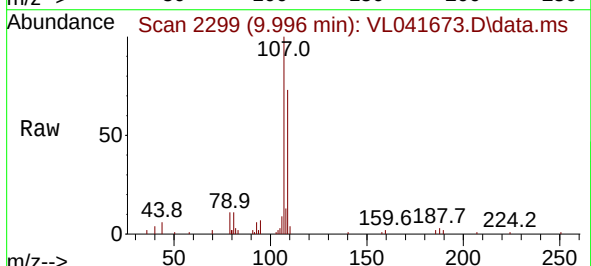
Acq: 7 Nov 2024 9:36

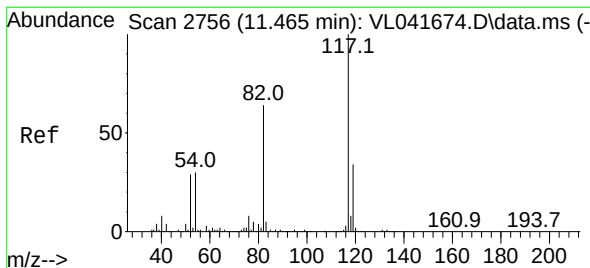
Tgt Ion: 107 Resp: 22130

Ion Ratio Lower Upper

107 100

109 73.1 74.9 112.3#

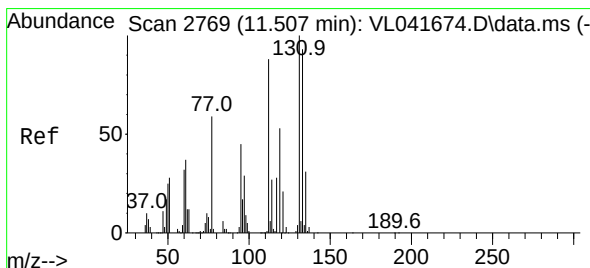
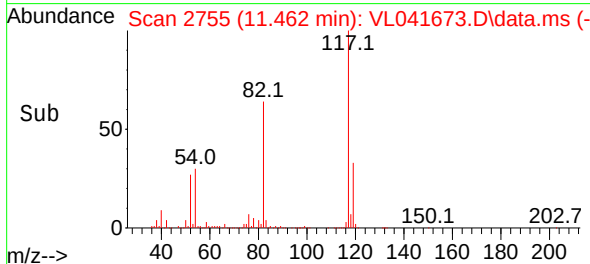
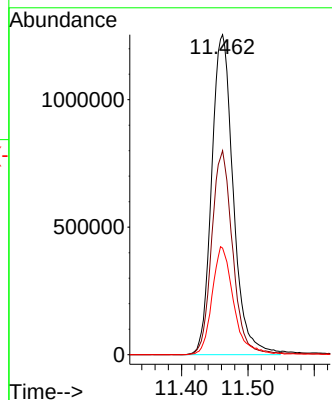
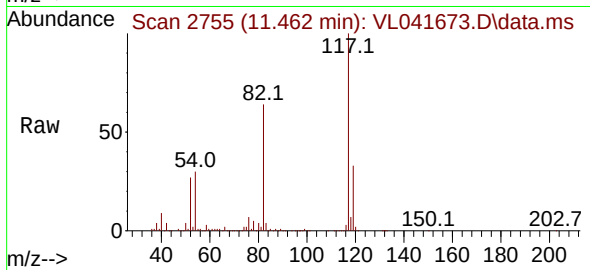




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

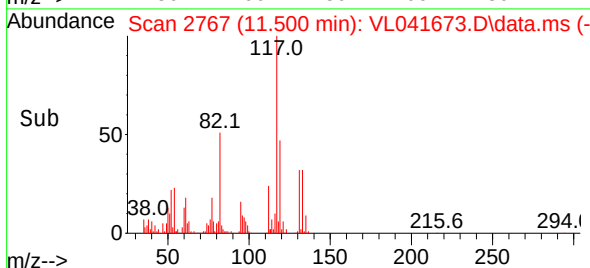
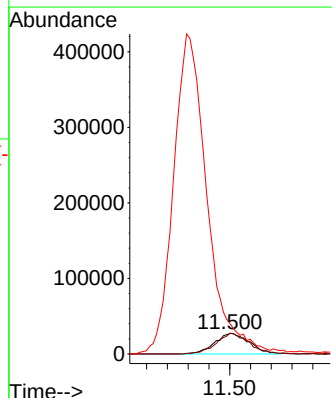
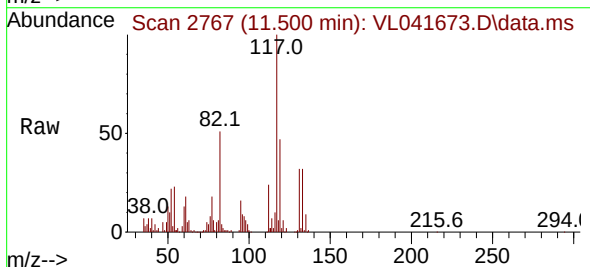
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

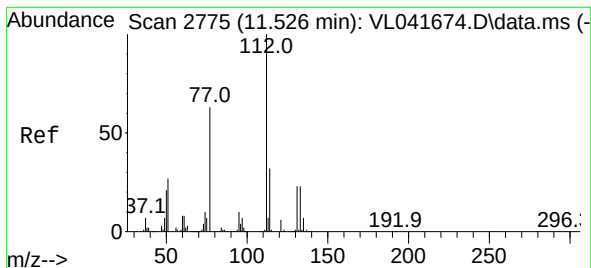
Tgt Ion:117 Resp: 2839070
Ion Ratio Lower Upper
117 100
82 62.6 49.8 74.8
119 34.0 24.2 36.4



#56
1,1,1,2-Tetrachloroethane
Concen: 0.532 ppbv
RT: 11.500 min Scan# 2767
Delta R.T. -0.006 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

Tgt Ion:131 Resp: 62892
Ion Ratio Lower Upper
131 100
133 95.9 76.5 114.7
119 1527.3 49.8 74.8#

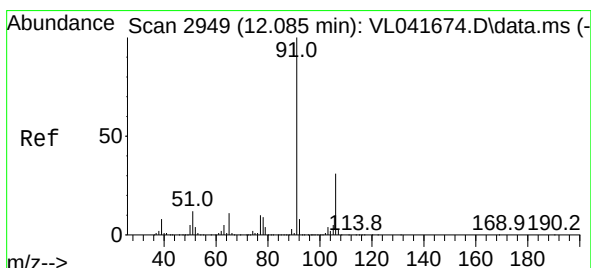
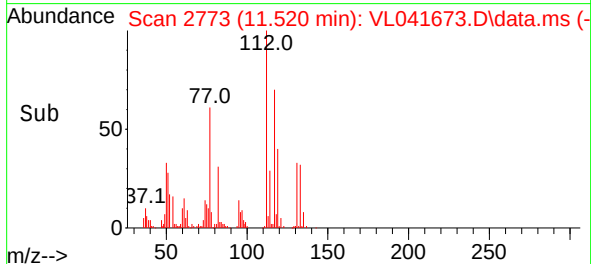
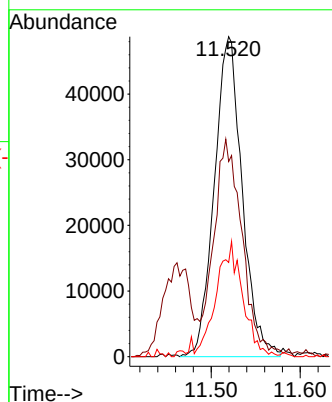
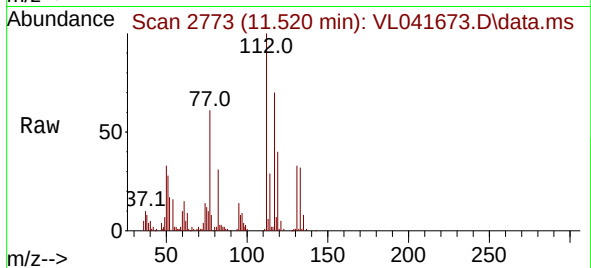




#57
Chlorobenzene
Concen: 0.500 ppbv
RT: 11.520 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

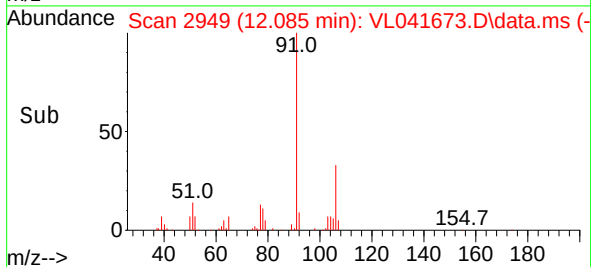
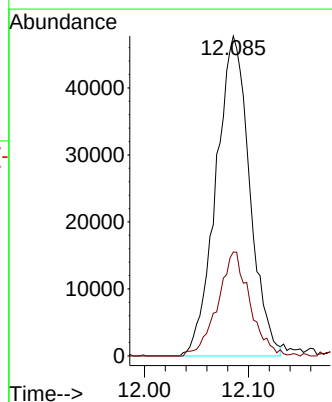
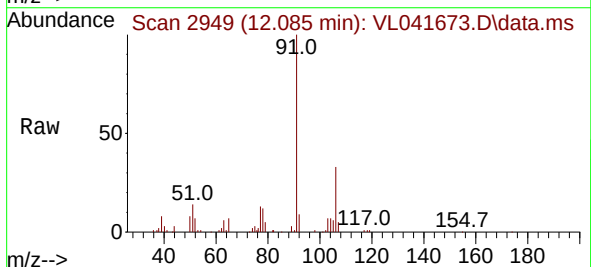
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

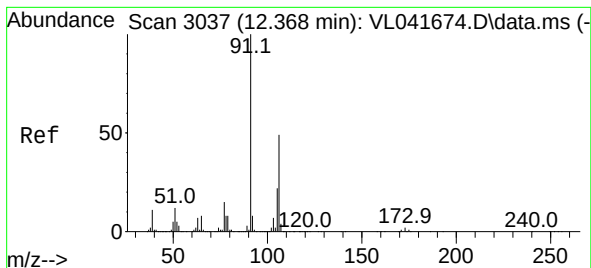
Tgt Ion:112 Resp: 105740
Ion Ratio Lower Upper
112 100
77 59.0 51.4 77.2
114 28.9 28.4 34.8



#58
Ethyl Benzene
Concen: 0.341 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

Tgt Ion: 91 Resp: 107368
Ion Ratio Lower Upper
91 100
106 32.5 24.9 37.3

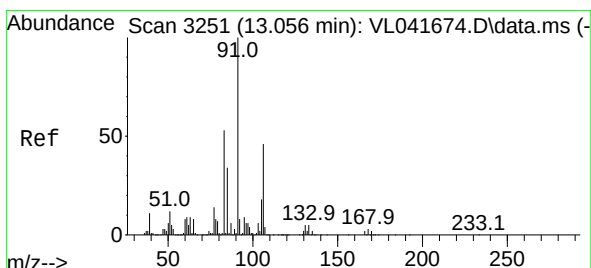
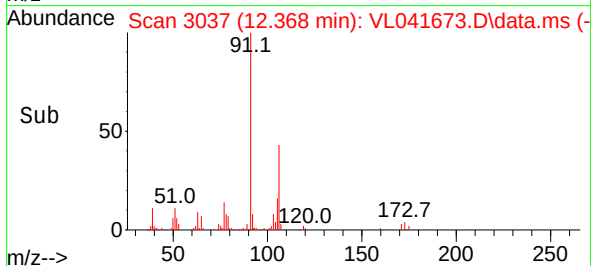
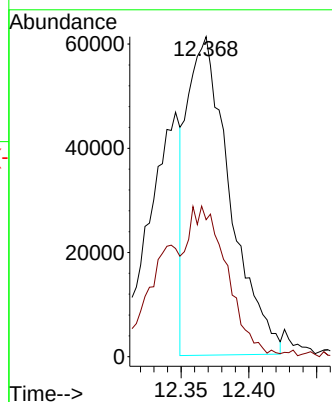
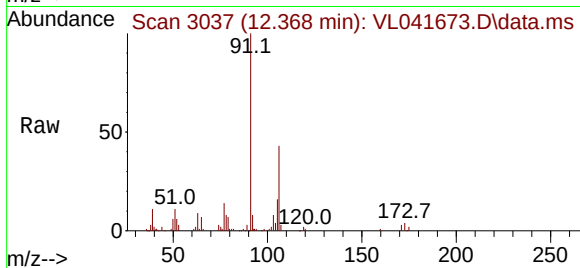




#59
m/p-Xylene
Concen: 0.478 ppbv
RT: 12.368 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

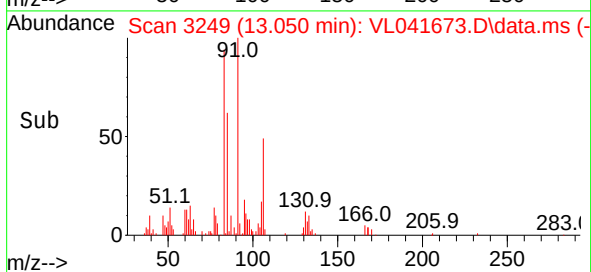
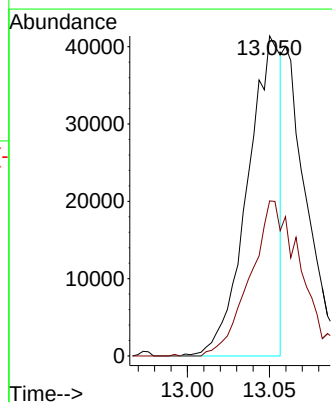
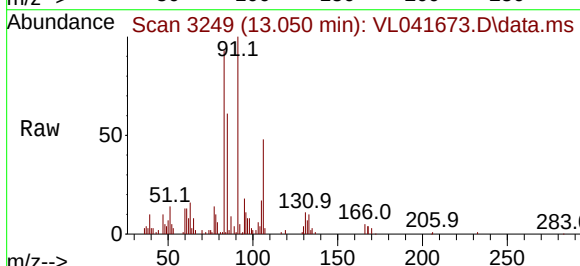
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

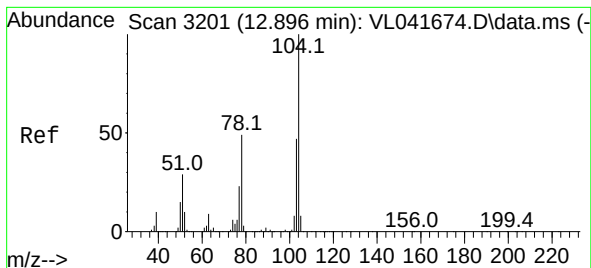
Tgt Ion: 91 Resp: 134418
Ion Ratio Lower Upper
91 100
106 71.7 36.9 55.3#



#60
o-Xylene
Concen: 0.215 ppbv
RT: 13.050 min Scan# 3249
Delta R.T. -0.006 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

Tgt Ion: 91 Resp: 57844
Ion Ratio Lower Upper
91 100
106 75.0 23.2 69.6#





#61

Styrene

Concen: 0.139 ppbv

RT: 12.893 min Scan# 31

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

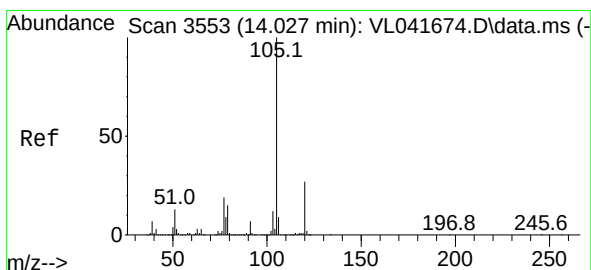
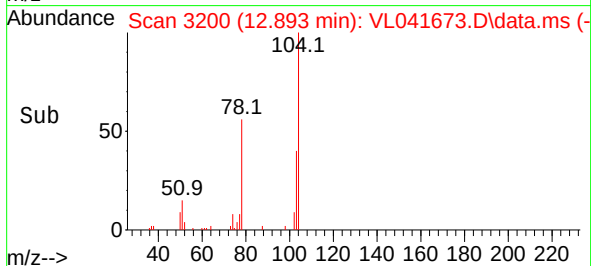
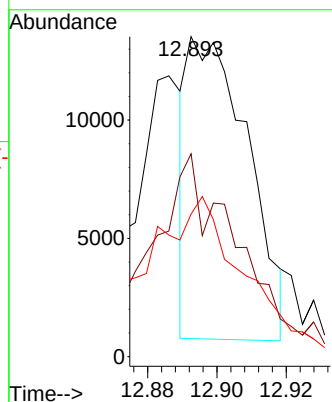
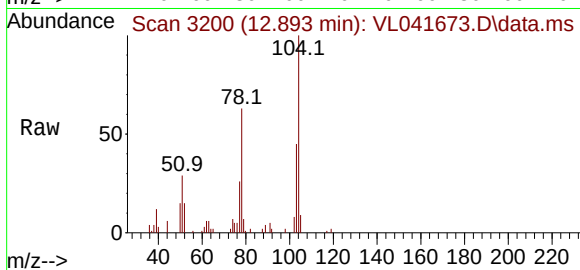
Tgt Ion:104 Resp: 15420

Ion Ratio Lower Upper

104 100

78 108.6 39.8 59.8#

103 93.6 37.4 56.0#



#62

Isopropylbenzene

Concen: 0.427 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. -0.003 min

Lab File: VL041673.D

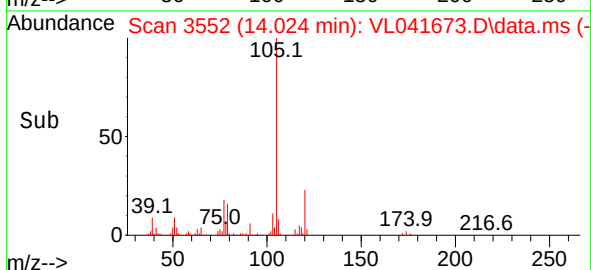
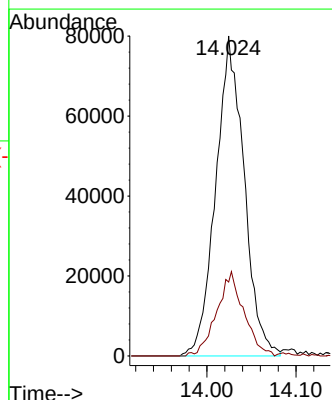
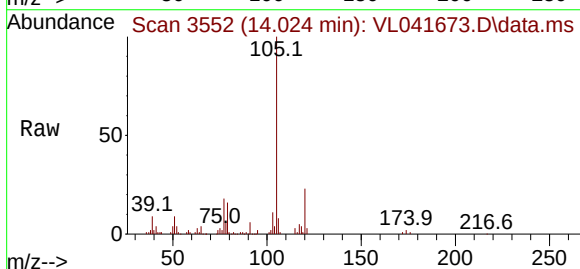
Acq: 7 Nov 2024 9:36

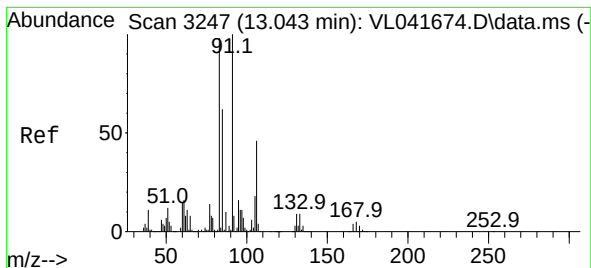
Tgt Ion:105 Resp: 177013

Ion Ratio Lower Upper

105 100

120 25.8 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 0.526 ppbv

RT: 13.044 min Scan# 3247

Delta R.T. 0.000 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

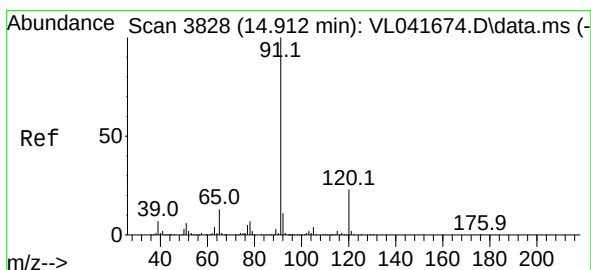
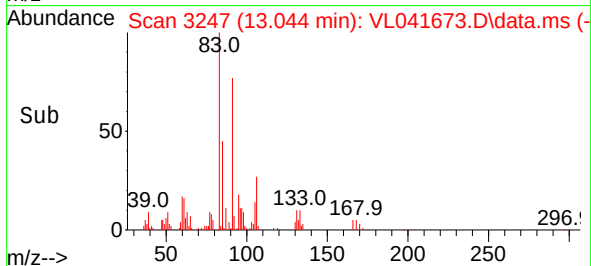
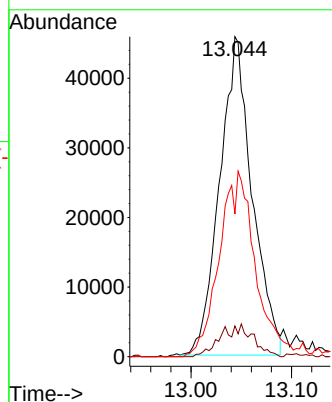
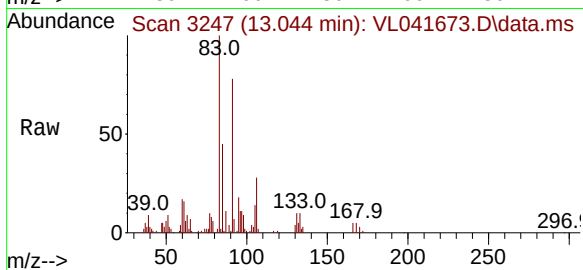
Tgt Ion: 83 Resp: 102900

Ion Ratio Lower Upper

83 100

131 10.7 4.8 14.3

85 65.1 32.6 98.0



#64

n-propylbenzene

Concen: 0.388 ppbv

RT: 14.912 min Scan# 3828

Delta R.T. 0.000 min

Lab File: VL041673.D

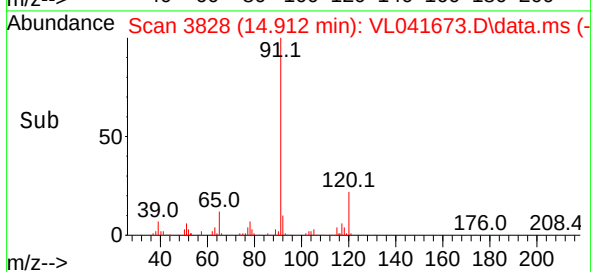
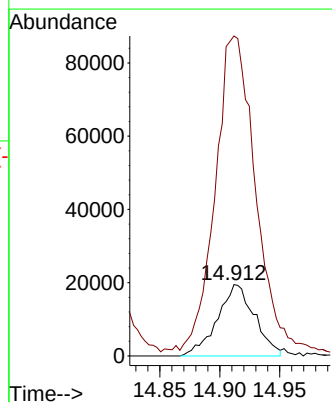
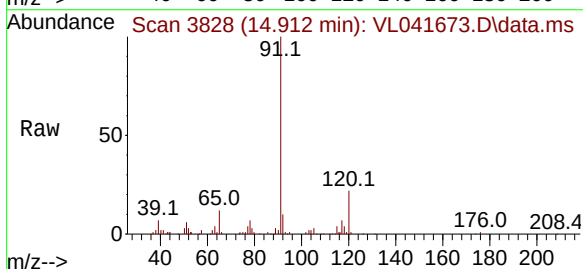
Acq: 7 Nov 2024 9:36

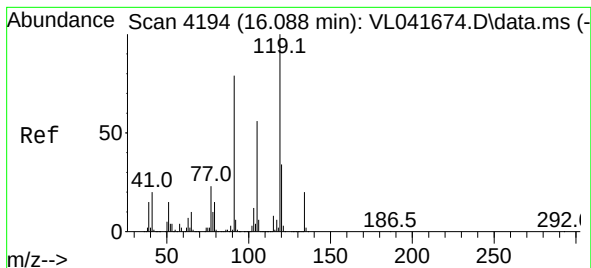
Tgt Ion:120 Resp: 42096

Ion Ratio Lower Upper

120 100

91 511.6 362.4 543.6





#65

tert-Butylbenzene

Concen: 0.379 ppbv

RT: 16.085 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

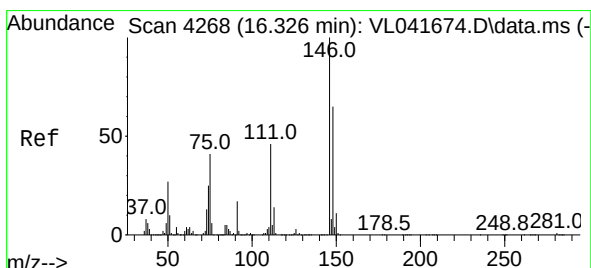
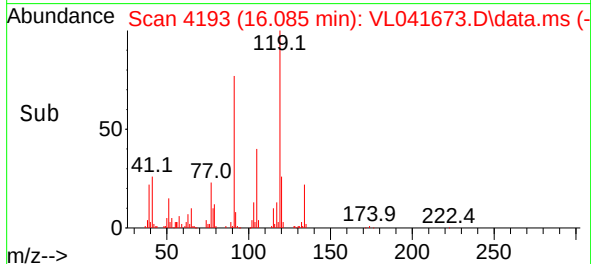
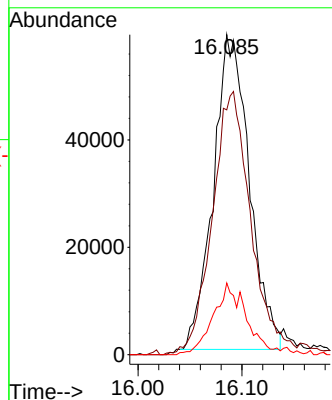
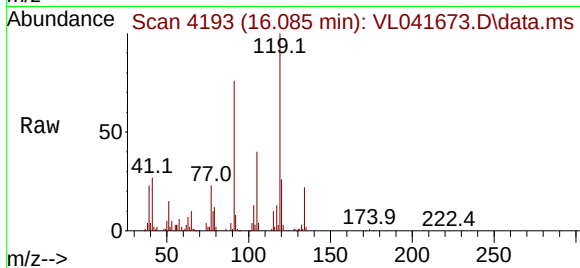
Tgt Ion:119 Resp: 141213

Ion Ratio Lower Upper

119 100

91 92.1 64.3 96.5

134 21.6 15.8 23.8



#66

Benzyl Chloride

Concen: 0.120 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. 0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

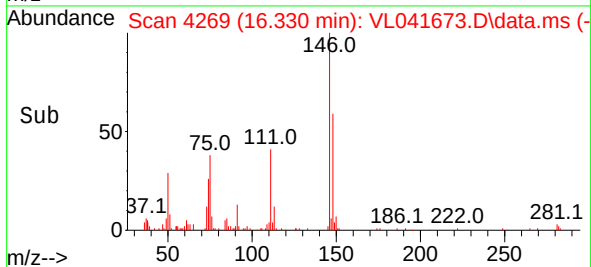
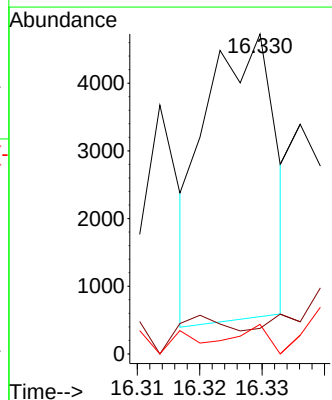
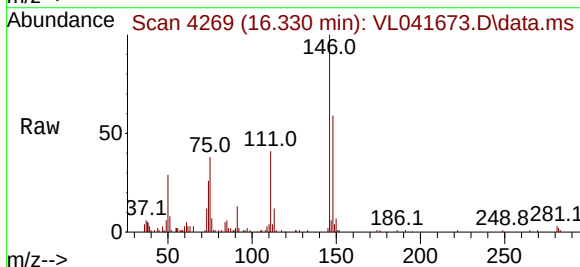
Tgt Ion: 91 Resp: 3230

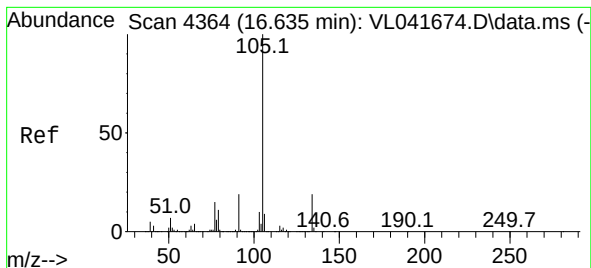
Ion Ratio Lower Upper

91 100

126 0.0 13.8 20.6#

128 0.0 4.3 6.5#





#67

sec-Butylbenzene

Concen: 0.247 ppbv

RT: 16.632 min Scan# 4363

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_1

ClientSampleId :

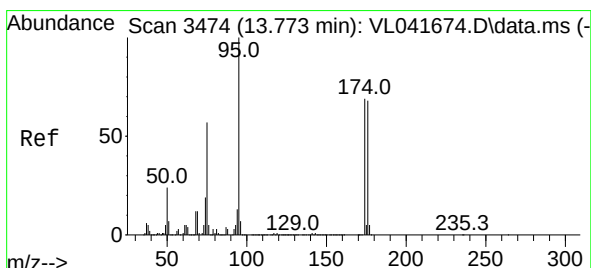
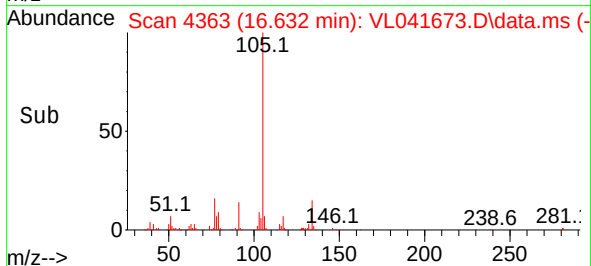
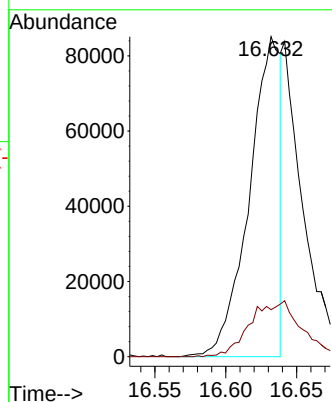
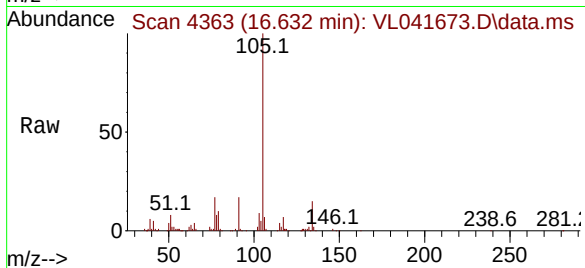
VSTDICC0.5

Tgt Ion:105 Resp: 129765

Ion Ratio Lower Upper

105 100

134 0.0 14.6 22.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.343 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

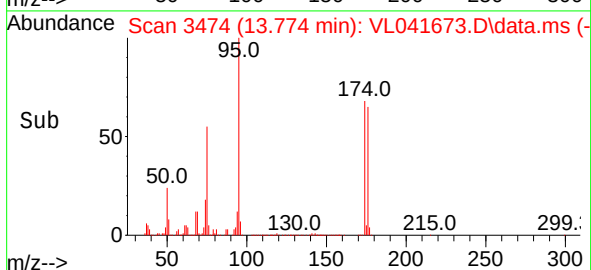
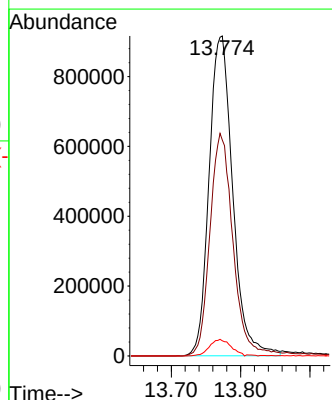
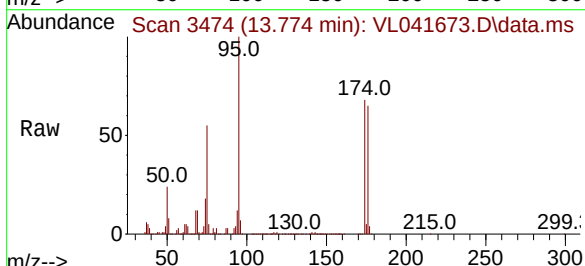
Tgt Ion: 95 Resp: 2171666

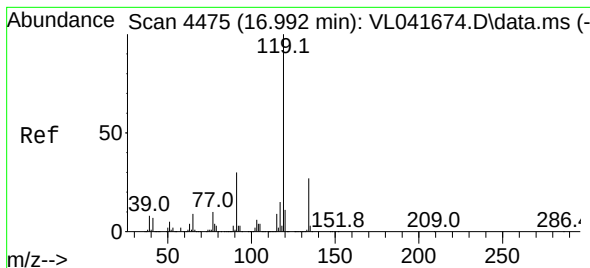
Ion Ratio Lower Upper

95 100

174 69.1 55.6 83.4

175 4.9 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.354 ppbv

RT: 16.998 min Scan# 4477

Delta R.T. 0.007 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

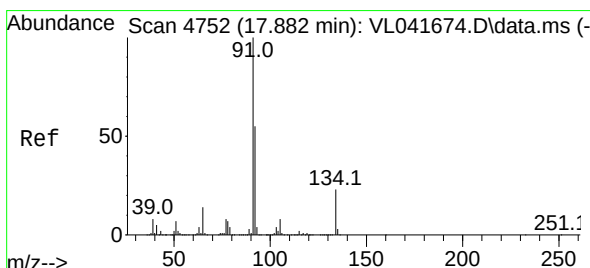
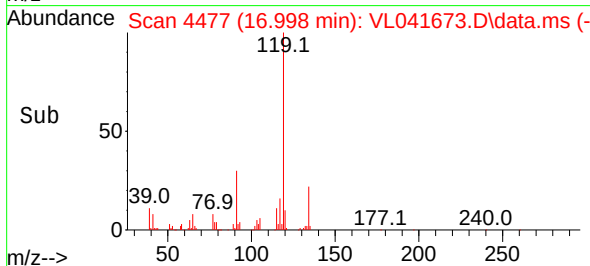
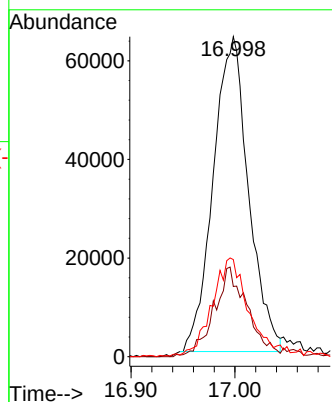
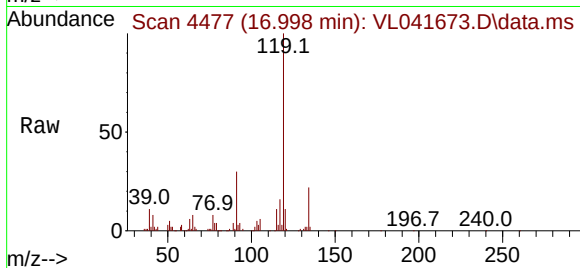
Tgt Ion:119 Resp: 150521

Ion Ratio Lower Upper

119 100

134 28.3 20.8 31.2

91 33.4 23.2 34.8



#70

n-Butylbenzene

Concen: 0.190 ppbv

RT: 17.886 min Scan# 4753

Delta R.T. 0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

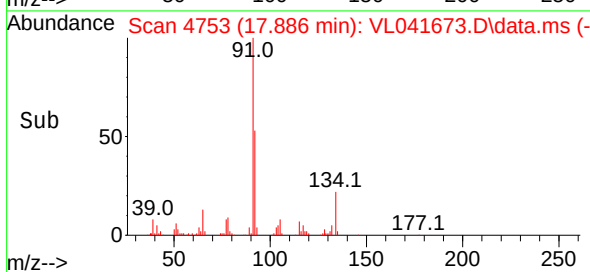
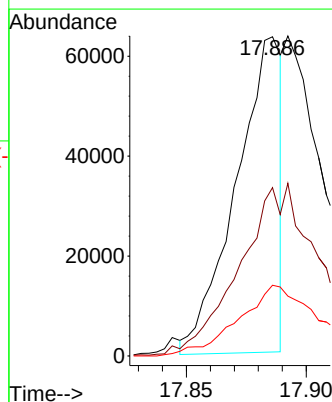
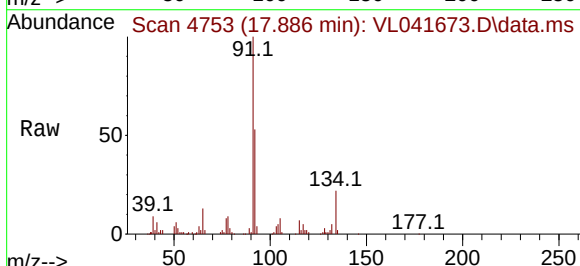
Tgt Ion: 91 Resp: 82588

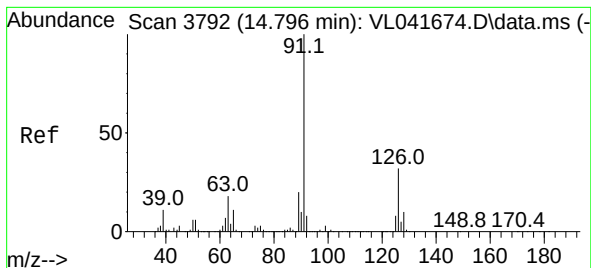
Ion Ratio Lower Upper

91 100

92 0.0 43.3 64.9#

134 43.3 18.4 27.6#

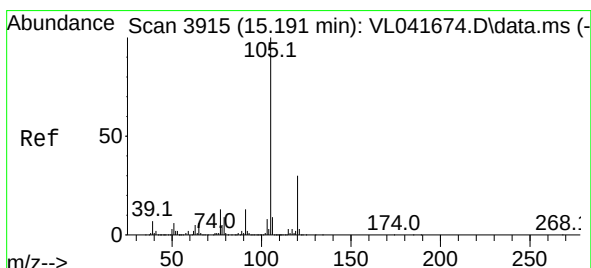
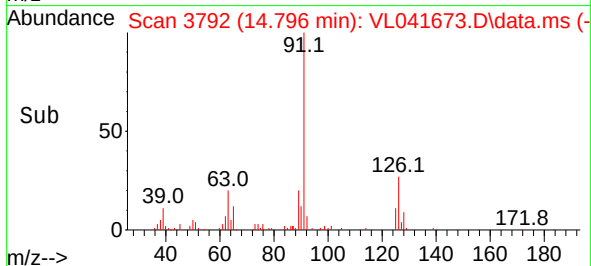
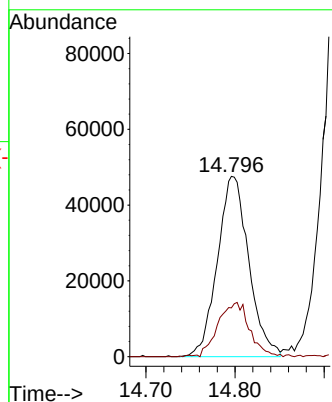
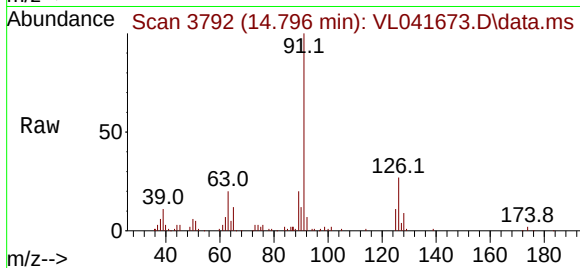




#71
2-Chlorotoluene
Concen: 0.388 ppbv
RT: 14.796 min Scan# 3792
Delta R.T. 0.000 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

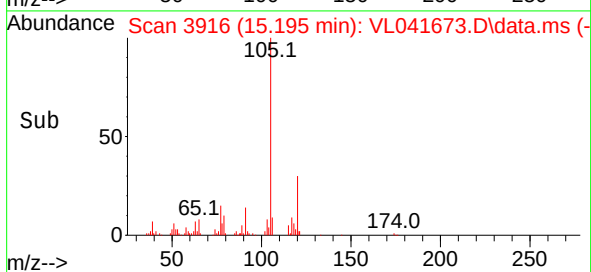
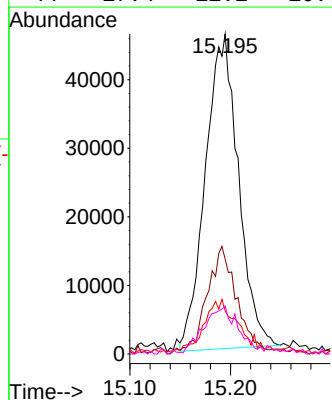
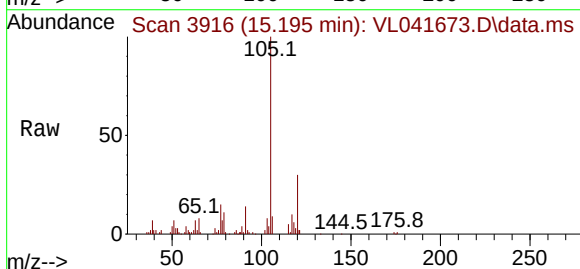
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

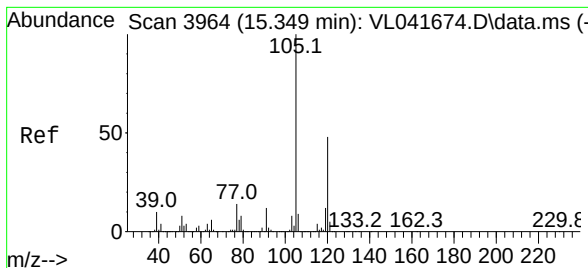
Tgt Ion: 91 Resp: 116286
Ion Ratio Lower Upper
91 100
126 30.9 12.8 51.0



#72
4-Ethyltoluene
Concen: 0.336 ppbv
RT: 15.195 min Scan# 3916
Delta R.T. 0.003 min
Lab File: VL041673.D
Acq: 7 Nov 2024 9:36

Tgt Ion:105 Resp: 104722
Ion Ratio Lower Upper
105 100
120 32.1 25.0 37.4
91 20.1 10.6 15.8#
77 17.4 11.1 16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.355 ppbv

RT: 15.352 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

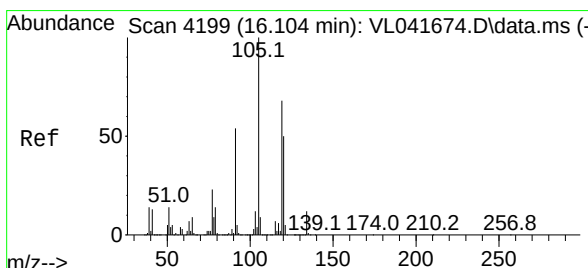
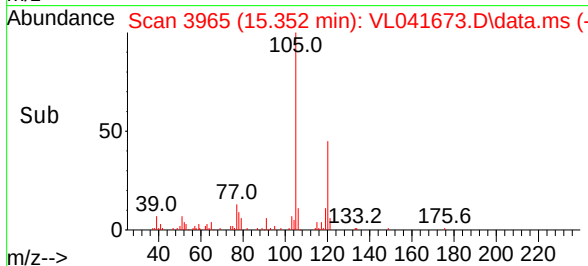
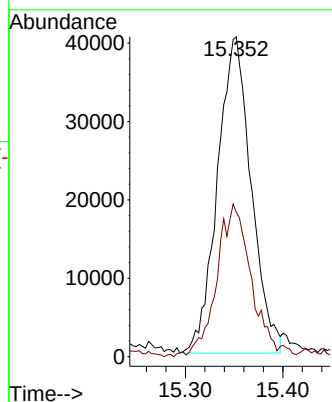
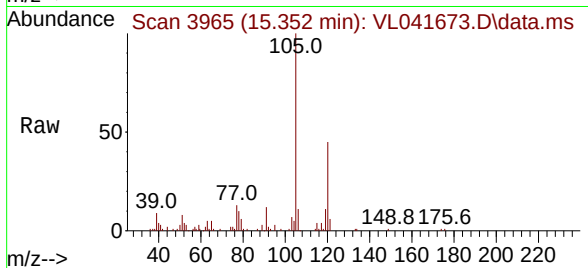
VSTDIC0.5

Tgt Ion:105 Resp: 97075

Ion Ratio Lower Upper

105 100

120 44.4 38.4 57.6



#74

1,2,4-Trimethylbenzene

Concen: 0.225 ppbv

RT: 16.101 min Scan# 4198

Delta R.T. -0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Tgt Ion:105 Resp: 71468

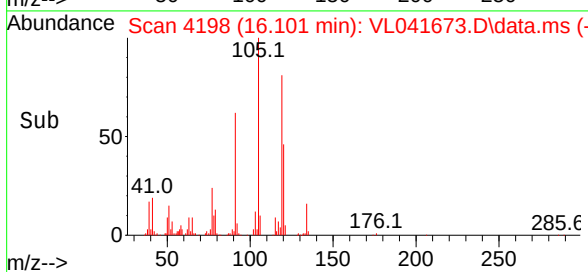
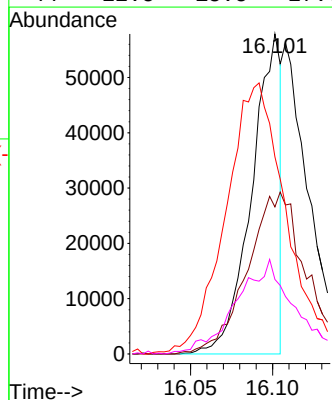
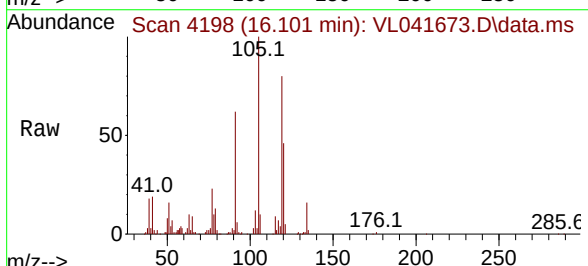
Ion Ratio Lower Upper

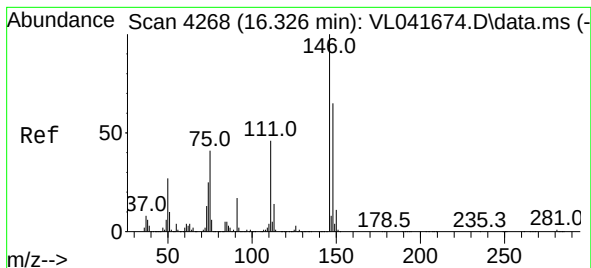
105 100

120 45.5 39.8 59.8

91 59.2 43.2 64.8

77 22.5 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 0.419 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. 0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

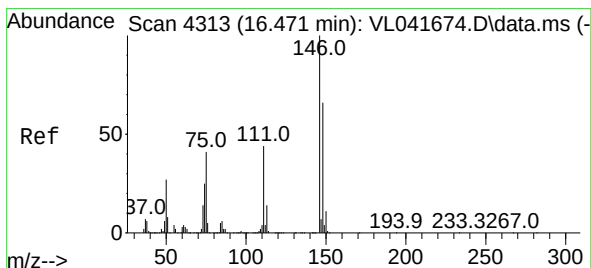
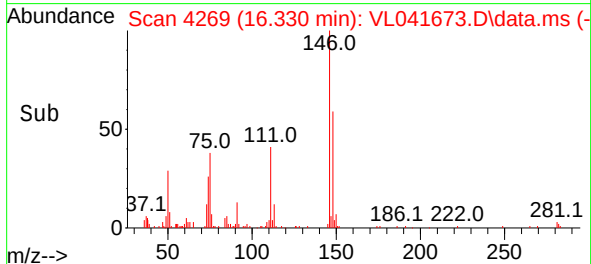
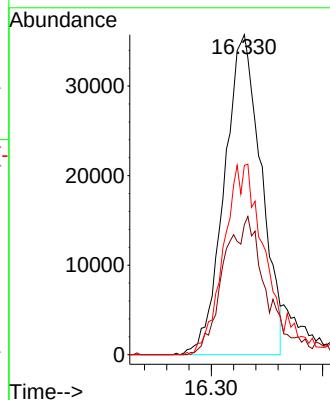
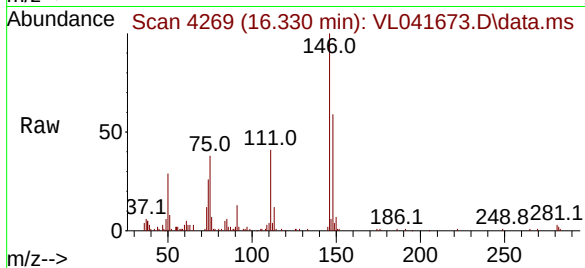
Tgt Ion:146 Resp: 82265

Ion Ratio Lower Upper

146 100

111 51.3 22.8 68.3

148 69.7 32.4 97.0



#76

1,4-Dichlorobenzene

Concen: 0.374 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

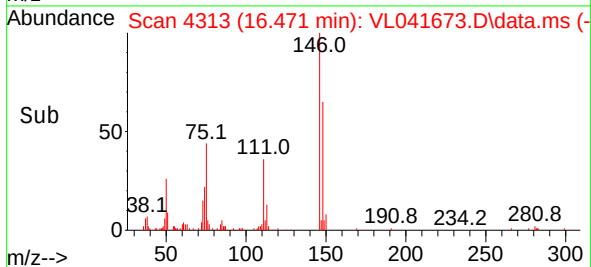
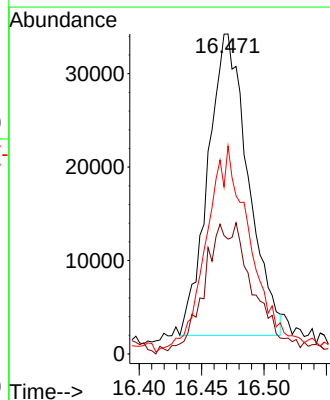
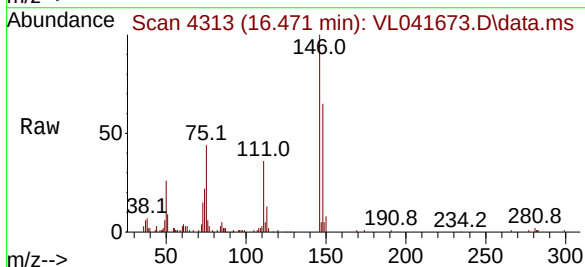
Tgt Ion:146 Resp: 72311

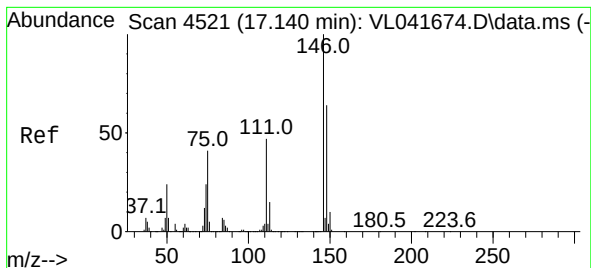
Ion Ratio Lower Upper

146 100

111 56.0 22.1 66.3

148 81.9 33.3 99.8





#77

1,2-Dichlorobenzene

Concen: 0.312 ppbv

RT: 17.143 min Scan# 4521

Delta R.T. 0.003 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

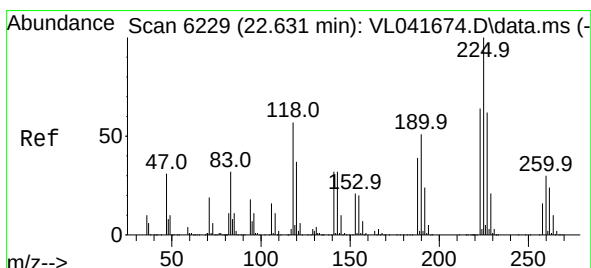
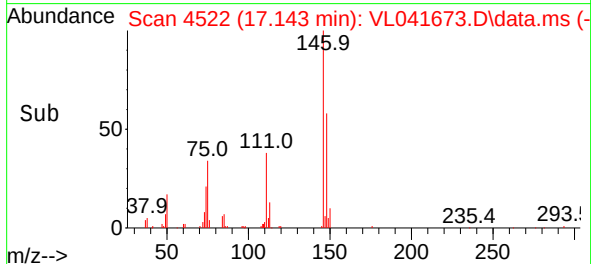
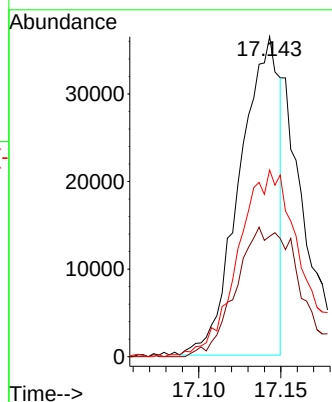
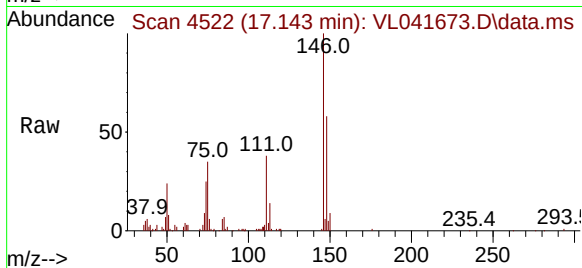
Tgt Ion:146 Resp: 60916

Ion Ratio Lower Upper

146 100

111 70.6 23.4 70.3#

148 96.6 32.1 96.5#



#78

Hexachloro-1,3-Butadiene

Concen: 0.227 ppbv

RT: 22.622 min Scan# 6226

Delta R.T. -0.009 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

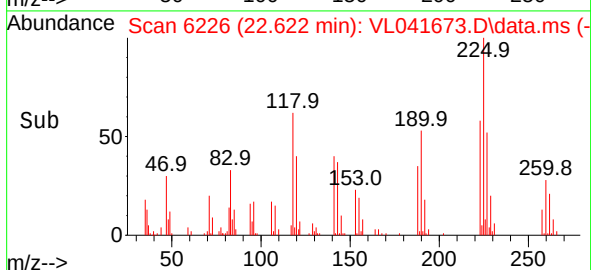
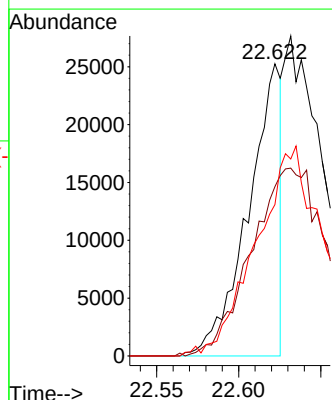
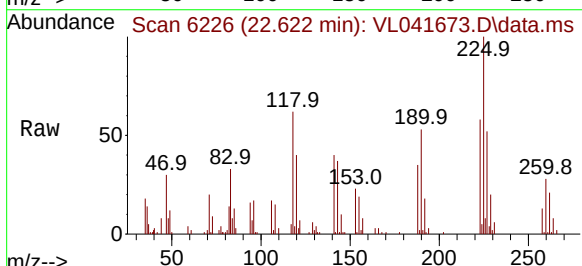
Tgt Ion:225 Resp: 35044

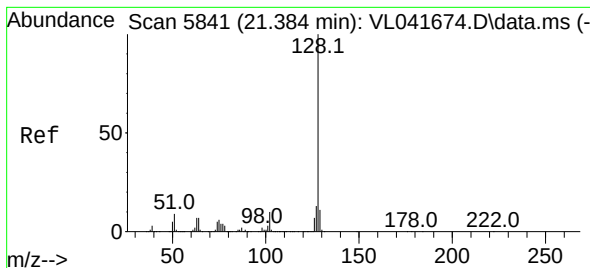
Ion Ratio Lower Upper

225 100

223 0.0 51.1 76.7#

227 0.0 51.3 76.9#





#79

Naphthalene

Concen: 0.132 ppbv

RT: 21.400 min Scan# 5846

Delta R.T. 0.016 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.5

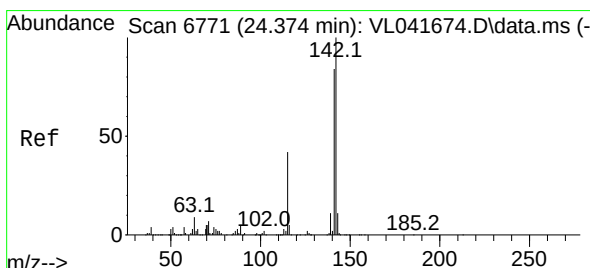
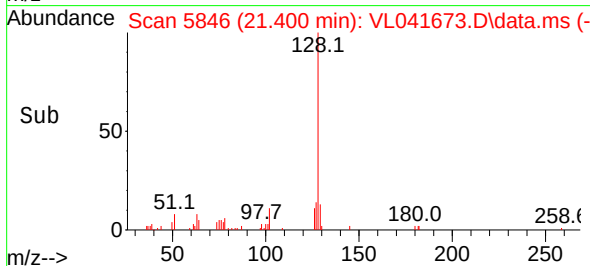
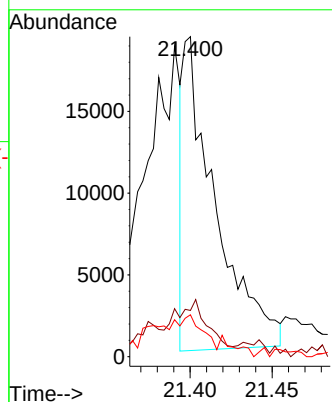
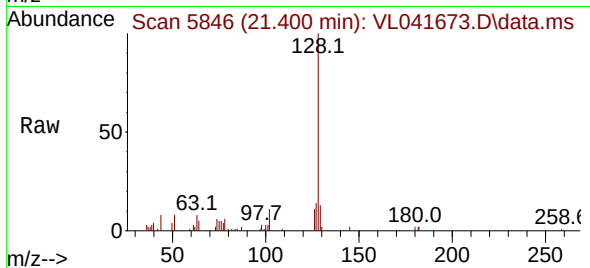
Tgt Ion:128 Resp: 25838

Ion Ratio Lower Upper

128 100

127 14.9 10.5 15.7

129 12.2 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 0.152 ppbv

RT: 24.390 min Scan# 6776

Delta R.T. 0.016 min

Lab File: VL041673.D

Acq: 7 Nov 2024 9:36

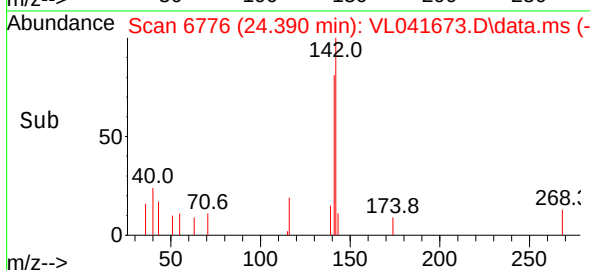
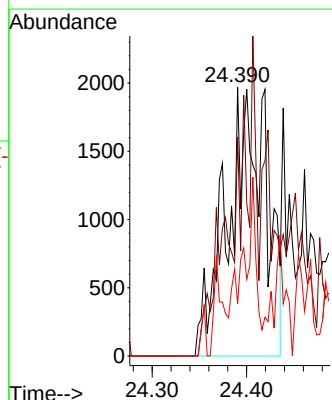
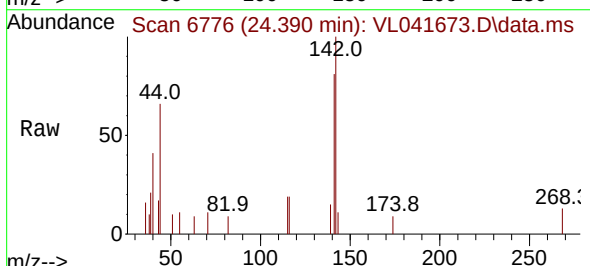
Tgt Ion:142 Resp: 5529

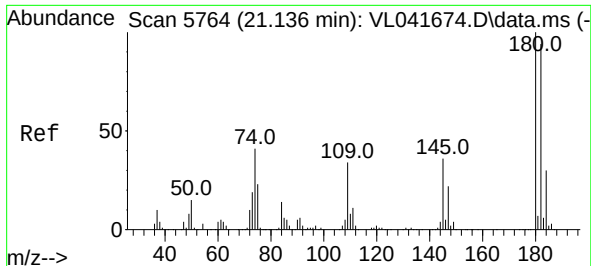
Ion Ratio Lower Upper

142 100

141 91.3 68.1 102.1

115 37.6 33.1 49.7





#81

1,2,4-Trichlorobenzene

Concen: 0.194 ppbv

RT: 21.146 min Scan# 51

Delta R.T. 0.010 min

Lab File: VL041673.D

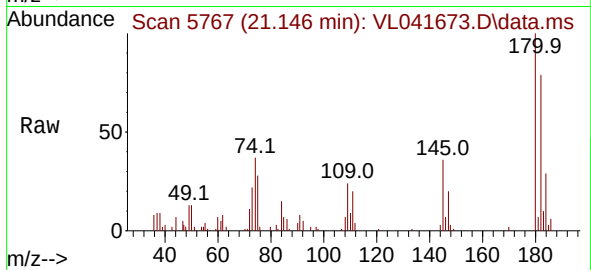
Acq: 7 Nov 2024 9:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5



Tgt Ion:180 Resp: 23646

Ion Ratio Lower Upper

180 100

182 0.0 78.2 117.2#

184 57.6 25.0 37.4#

