

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041756.D
 Acq On : 16 Dec 2024 15:37
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Dec 19 06:15:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	65926	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	177964	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	158649	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	131540	9.950	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.499	85	1430	0.122	ppbv	96
3) Chlorodifluoromethane	1.476	51	1363	0.127	ppbv	95
4) Chloromethane	1.535	50	482	0.105	ppbv #	84
5) Vinyl Chloride	1.580	62	444	0.096	ppbv #	78
6) Bromomethane	1.670	94	174	0.080	ppbv #	79
7) Chloroethane	1.706	64	220	0.122	ppbv #	64
8) Dichlorotetrafluoroethane	1.554	85	1094	0.104	ppbv	98
9) Propene	1.483	41	740	0.159	ppbv #	78
10) Heptane	4.988	43	527	0.044	ppbv #	29
11) Trichlorofluoromethane	1.878	101	1346	0.108	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.143	101	1007	0.106	ppbv	92
13) Ethanol	1.719	45	183	0.472	ppbv	90
14) Bromoethene	1.784	108	432	0.135	ppbv #	55
15) Acetone	1.839	43	2830	0.221	ppbv	92
16) 1,3-Butadiene	1.609	39	815	0.161	ppbv	96
17) tert-Butyl alcohol	2.046	59	1498	0.118	ppbv #	89
18) 1,1-Dichloroethene	2.036	96	498	0.125	ppbv #	93
19) Isopropyl Alcohol	1.887	45	3007	0.391	ppbv #	36
20) Methylene Chloride	2.065	84	925	0.253	ppbv #	73
21) Allyl Chloride	2.098	41	854	0.123	ppbv #	56
22) trans-1,2-Dichloroethene	2.344	96	476	0.105	ppbv #	60
23) Vinyl Acetate	2.460	43	1339	0.240	ppbv #	85
24) 1,1-Dichloroethane	2.408	63	1044	0.113	ppbv #	88
25) Ethyl Acetate	2.842	43	2227	0.093	ppbv #	92
26) Hexane	2.829	57	1053	0.116	ppbv	95
27) Carbon Disulfide	2.149	76	729	0.089	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	774	0.105	ppbv #	55
29) Chloroform	2.852	83	1515	0.110	ppbv	86
30) Cyclohexane	3.865	84	377	0.049	ppbv #	1
31) cis-1,2-Dichloroethene	2.719	61	940	0.100	ppbv	85
32) 1,1,1-Trichloroethane	3.370	97	1393	0.101	ppbv	97
34) 2-Butanone	2.564	43	1888	0.132	ppbv	96
35) Carbon Tetrachloride	3.771	117	1170	0.093	ppbv #	84
36) Benzene	3.658	78	976	0.053	ppbv #	84
37) 1,2-Dichloroethane	3.218	62	1264	0.110	ppbv #	92
38) Trichloroethene	4.548	130	339	0.044	ppbv #	38
39) 1,2-Dichloropropane	3.959	63	48044	7.216	ppbv #	18
40) 1,4-Dioxane	4.622	88	254	0.078	ppbv #	2
41) Tetrahydrofuran	3.069	42	593	0.074	ppbv #	76
42) Bromodichloromethane	4.490	83	756	0.057	ppbv #	66
43) Methyl Methacrylate	4.888	69	197	0.028	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	1584	0.050	ppbv #	18
45) t-1,3-Dichloropropene	6.419	75	247	0.034	ppbv #	74

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

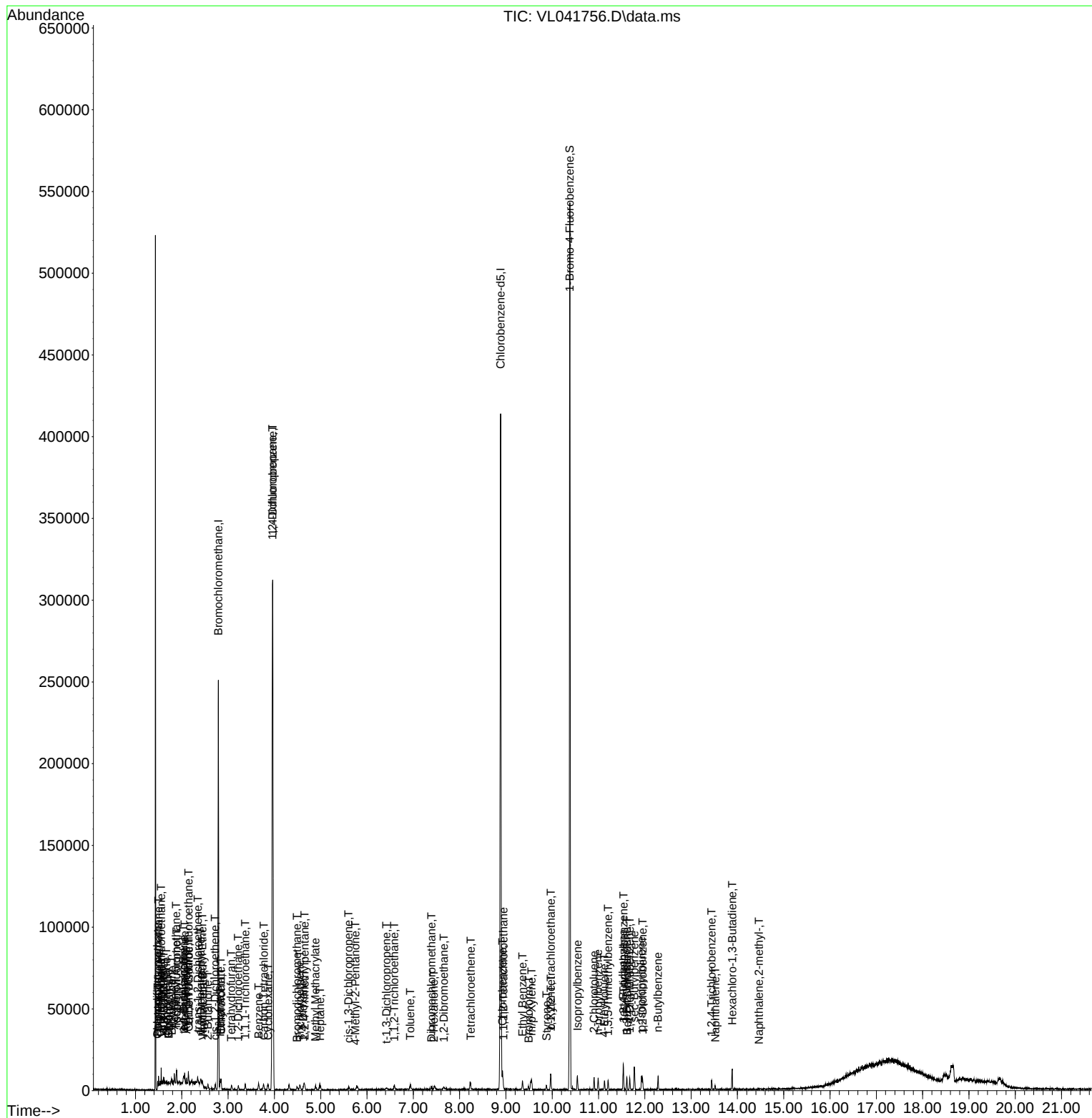
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 ClientSampleId :
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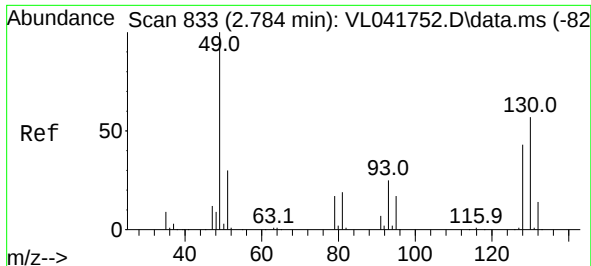
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	315	0.034	ppbv #	63
47) 1,1,2-Trichloroethane	6.590	97	525	0.075	ppbv #	40
48) Dibromochloromethane	7.393	129	599	0.063	ppbv	72
49) Bromoform	9.493	173	172	0.022	ppbv #	1
50) 4-Methyl-2-Pentanone	5.749	43	36	0.002	ppbv #	41
51) 2-Hexanone	7.445	43	446	0.028	ppbv #	1
52) Tetrachloroethene	8.241	164	149	0.022	ppbv #	71
53) Toluene	6.936	91	1529	0.073	ppbv #	56
54) 1,2-Dibromoethane	7.658	107	396	0.041	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.946	131	142	0.017	ppbv #	9
57) Chlorobenzene	8.927	112	2102	0.129	ppbv #	81
58) Ethyl Benzene	9.357	91	2667	0.093	ppbv	97
59) m/p-Xylene	9.555	91	1768	0.077	ppbv #	100
60) o-Xylene	9.969	91	1998	0.087	ppbv	84
61) Styrene	9.875	104	785	0.079	ppbv	96
62) Isopropylbenzene	10.545	105	3559	0.103	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.972	83	592	0.041	ppbv #	25
64) n-propylbenzene	10.989	120	754	0.086	ppbv	93
65) tert-Butylbenzene	11.533	119	2861	0.092	ppbv	99
66) Benzyl Chloride	11.617	91	154	0.056	ppbv #	66
67) sec-Butylbenzene	11.772	105	4061	0.094	ppbv	94
69) p-Isopropyltoluene	11.927	119	3070	0.086	ppbv	98
70) n-Butylbenzene	12.283	91	2829	0.082	ppbv	96
71) 2-Chlorotoluene	10.905	91	2731	0.103	ppbv	99
72) 4-Ethyltoluene	11.125	105	2197	0.081	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.206	105	2072	0.092	ppbv	92
74) 1,2,4-Trimethylbenzene	11.539	105	2190	0.090	ppbv	90
75) 1,3-Dichlorobenzene	11.607	146	1843	0.119	ppbv	90
76) 1,4-Dichlorobenzene	11.675	146	1590	0.104	ppbv	96
77) 1,2-Dichlorobenzene	11.953	146	1439	0.097	ppbv	87
78) Hexachloro-1,3-Butadiene	13.889	225	1172	0.106	ppbv	92
79) Naphthalene	13.523	128	1196	0.071	ppbv #	90
80) Naphthalene,2-methyl-	14.468	142	124	0.024	ppbv #	64
81) 1,2,4-Trichlorobenzene	13.439	180	931	0.101	ppbv	98

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

Quant Time: Dec 19 06:15:07 2024
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSV0A_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

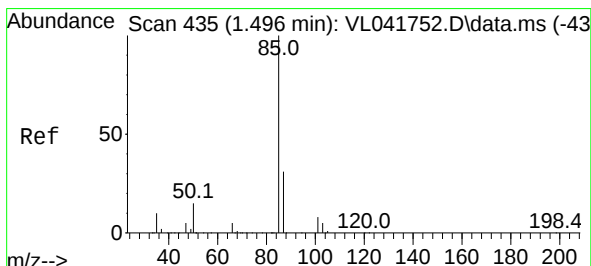
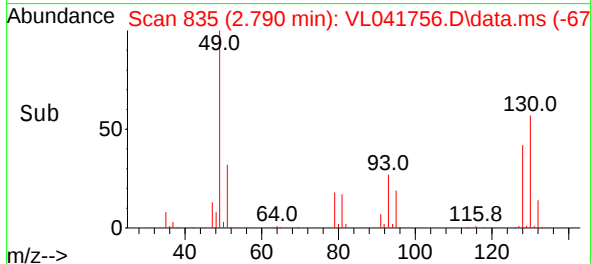
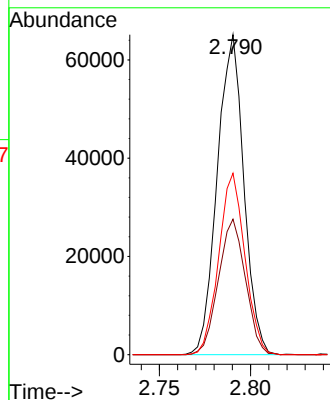
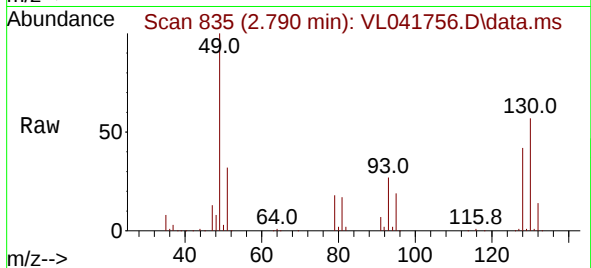




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 833
 Delta R.T. 0.006 min
 Lab File: VL041756.D
 Acq: 16 Dec 2024 15:37

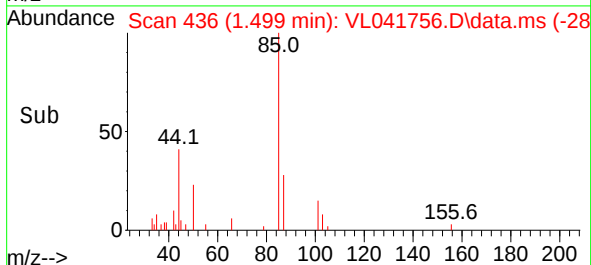
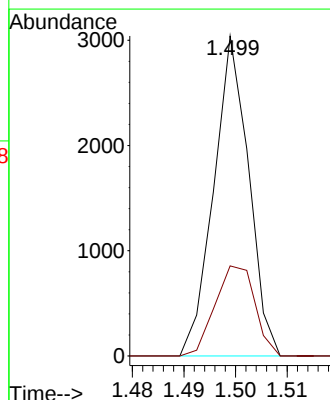
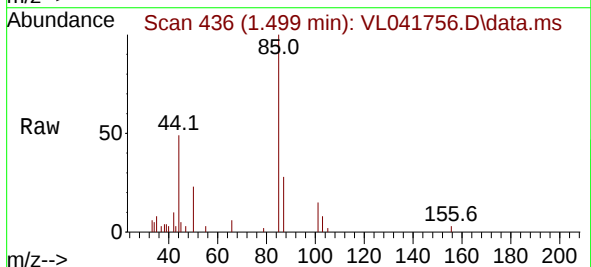
Instrument :
 MSVOA_1
 ClientSampleId :
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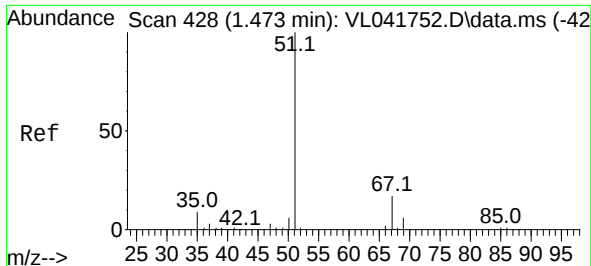
Tgt Ion: 49 Resp: 65926
 Ion Ratio Lower Upper
 49 100
 128 43.1 21.6 64.6
 130 55.9 28.3 85.0



#2
 Dichlorodifluoromethane
 Concen: 0.122 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.003 min
 Lab File: VL041756.D
 Acq: 16 Dec 2024 15:37

Tgt Ion: 85 Resp: 1430
 Ion Ratio Lower Upper
 85 100
 87 28.2 24.5 36.7

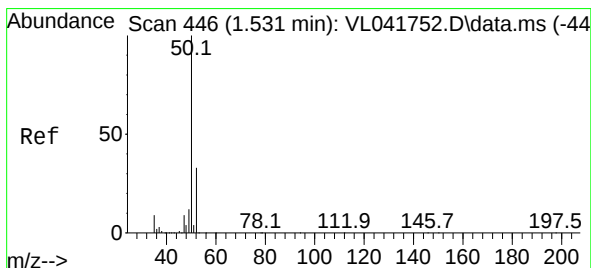
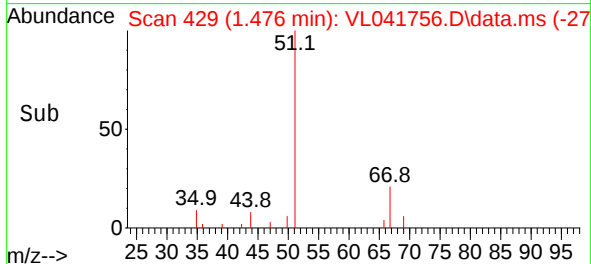
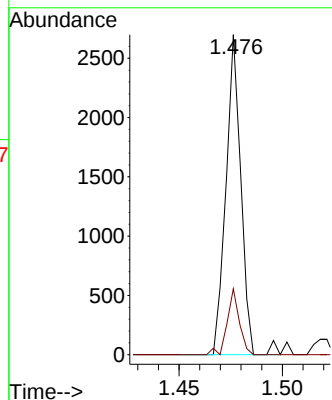
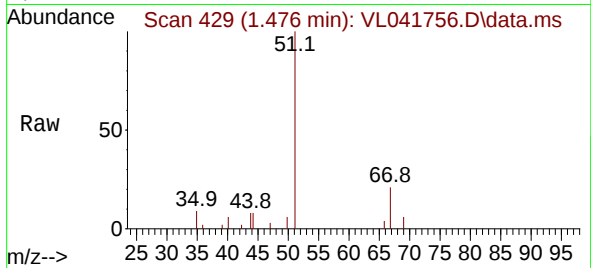




#3
Chlorodifluoromethane
Concen: 0.127 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

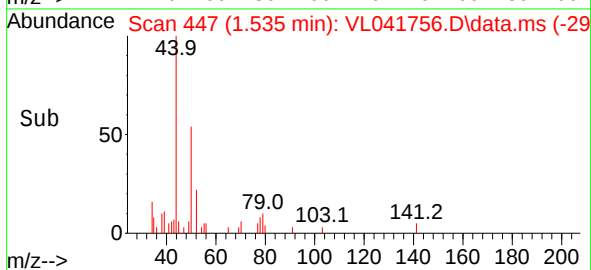
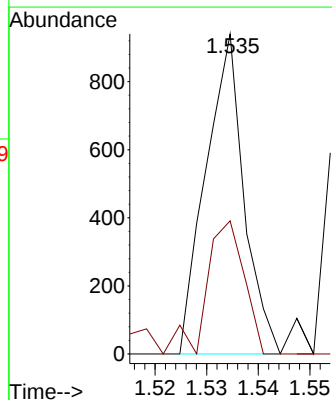
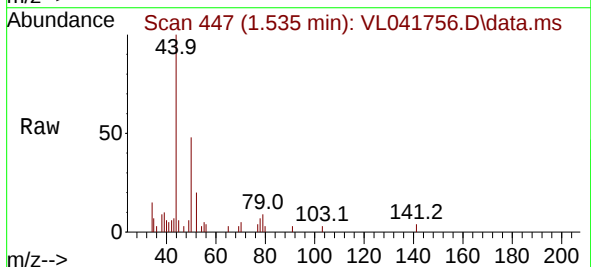
Instrument :
MSVOA_1
ClientSampleId :
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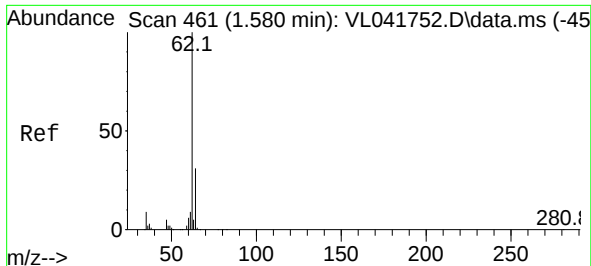
Tgt Ion: 51 Resp: 1363
Ion Ratio Lower Upper
51 100
67 16.6 15.0 22.4



#4
Chloromethane
Concen: 0.105 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion: 50 Resp: 482
Ion Ratio Lower Upper
50 100
52 41.6 26.2 39.2#

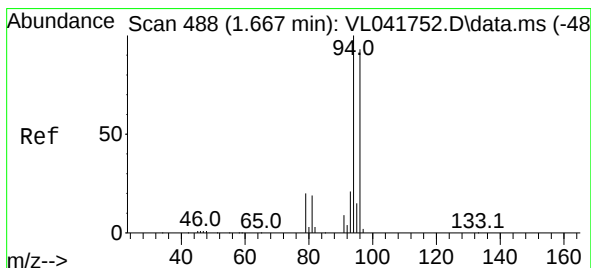
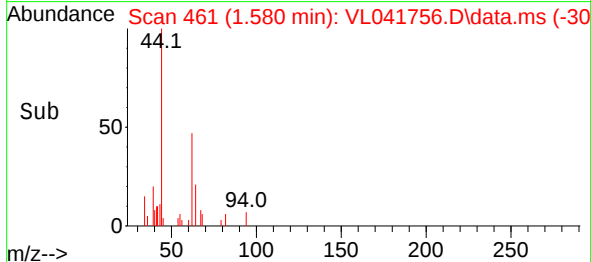
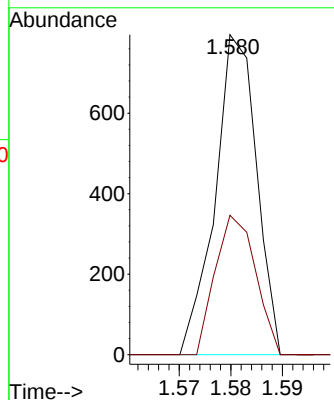
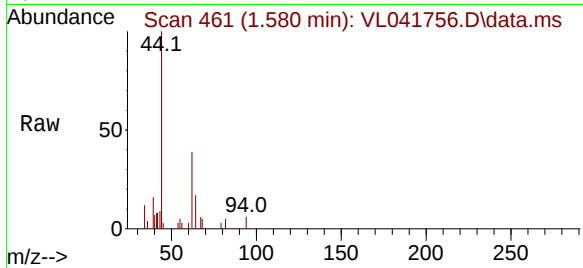




#5
 Vinyl Chloride
 Concen: 0.096 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL041756.D
 Acq: 16 Dec 2024 15:37

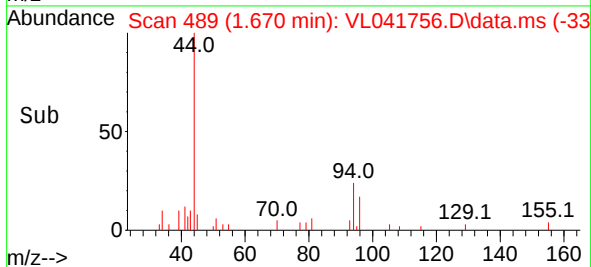
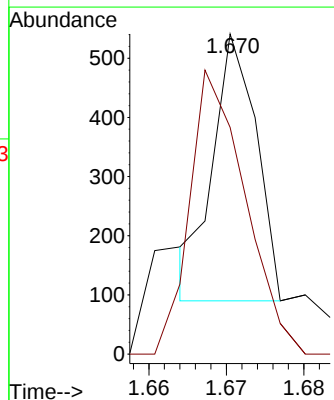
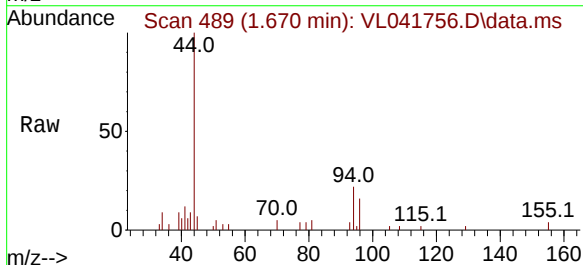
Instrument :
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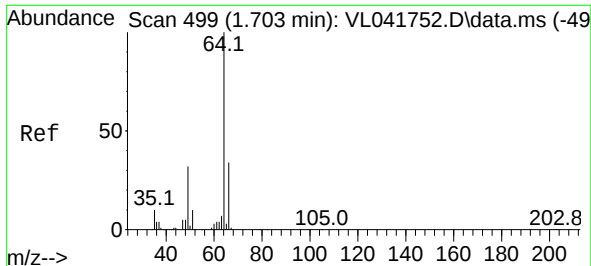
Tgt Ion: 62 Resp: 444
 Ion Ratio Lower Upper
 62 100
 64 43.5 25.1 37.7#



#6
 Bromomethane
 Concen: 0.080 ppbv
 RT: 1.670 min Scan# 489
 Delta R.T. 0.003 min
 Lab File: VL041756.D
 Acq: 16 Dec 2024 15:37

Tgt Ion: 94 Resp: 174
 Ion Ratio Lower Upper
 94 100
 96 73.4 74.7 112.1#

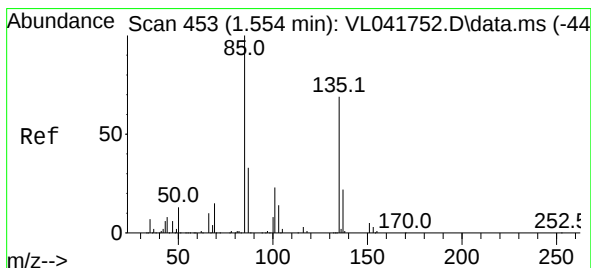
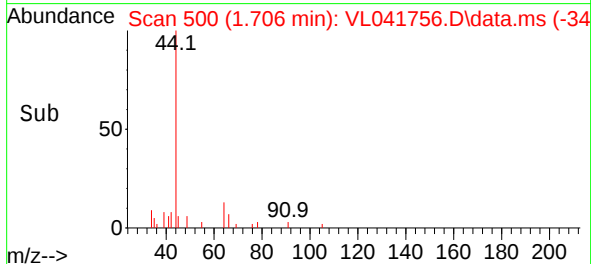
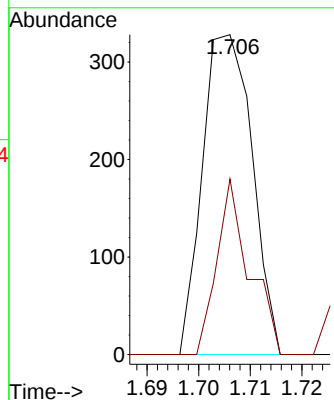
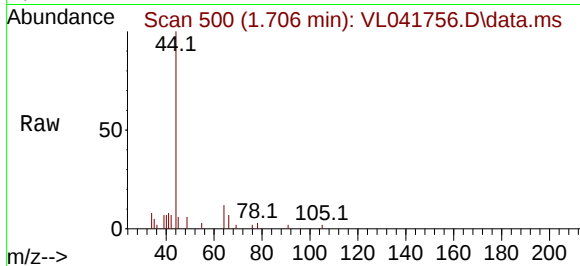




#7
Chloroethane
Concen: 0.122 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.003 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

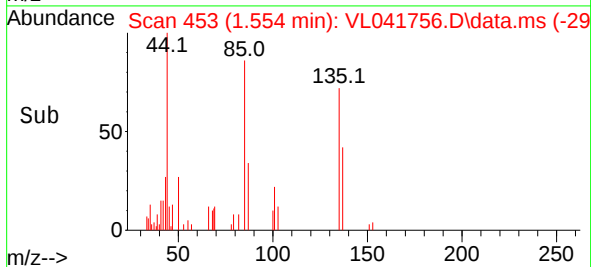
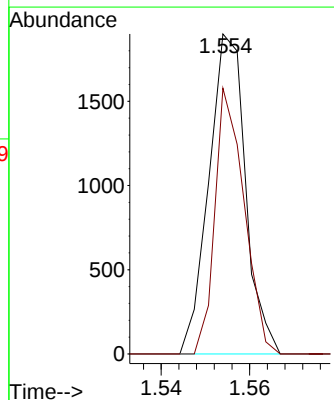
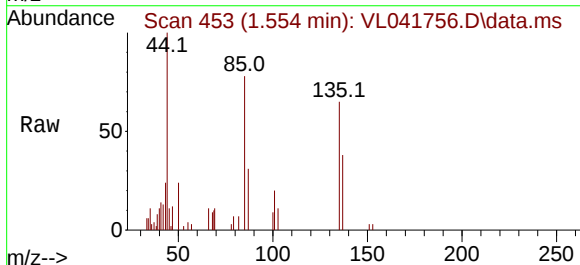
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ClientSampleId :
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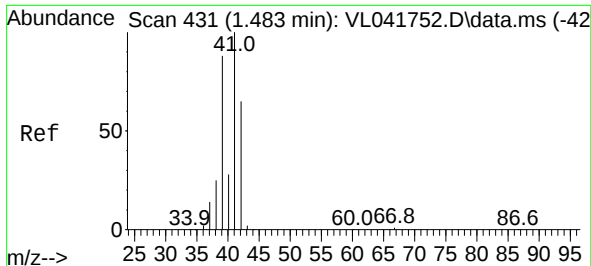
Tgt Ion: 64 Resp: 220
Ion Ratio Lower Upper
64 100
66 54.9 27.5 41.3#



#8
Dichlorotetrafluoroethane
Concen: 0.104 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion: 85 Resp: 1094
Ion Ratio Lower Upper
85 100
135 66.1 51.9 77.9





#9

Propene

Concen: 0.159 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

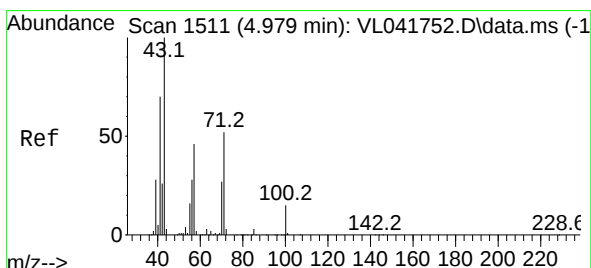
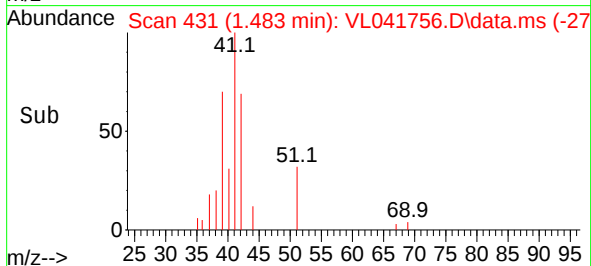
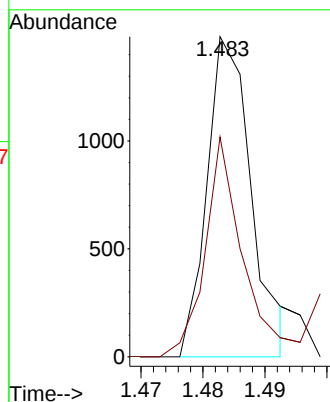
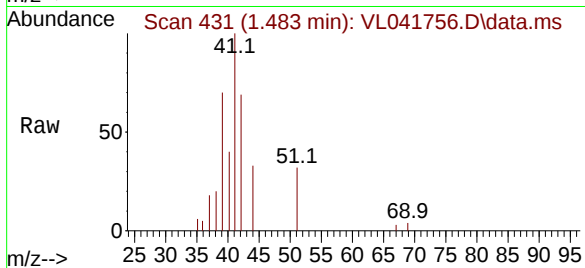
VSTDIC0.1

Tgt Ion: 41 Resp: 740

Ion Ratio Lower Upper

41 100

42 83.2 52.4 78.6#



#10

Heptane

Concen: 0.044 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.010 min

Lab File: VL041756.D

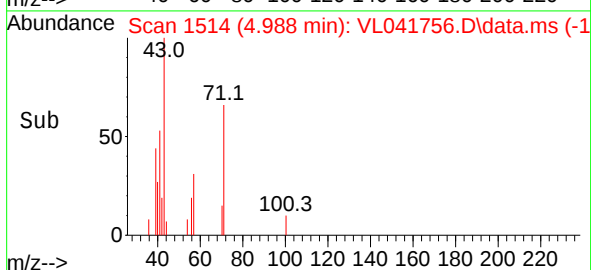
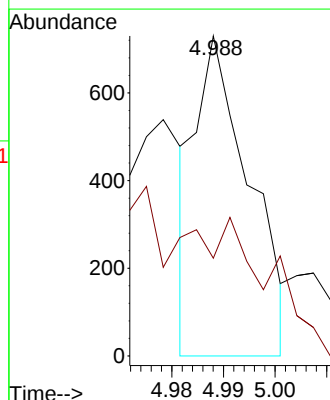
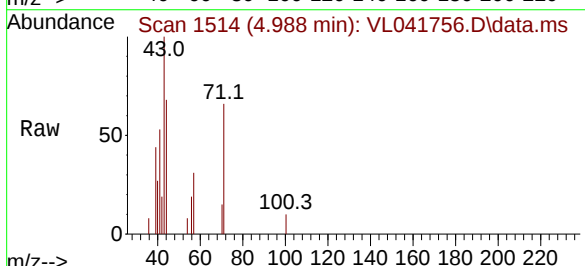
Acq: 16 Dec 2024 15:37

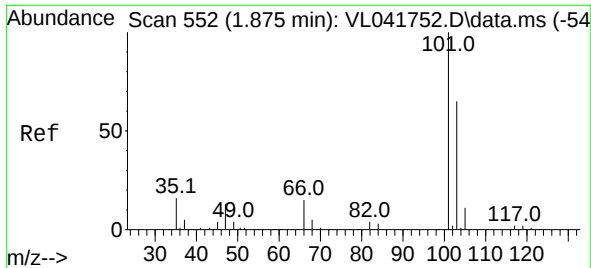
Tgt Ion: 43 Resp: 527

Ion Ratio Lower Upper

43 100

57 0.0 38.5 57.7#





#11

Trichlorofluoromethane

Concen: 0.108 ppbv

RT: 1.878 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_L

ClientSampleId :

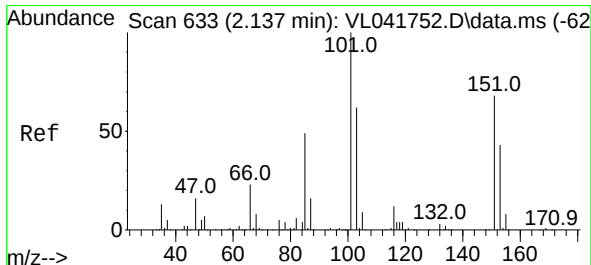
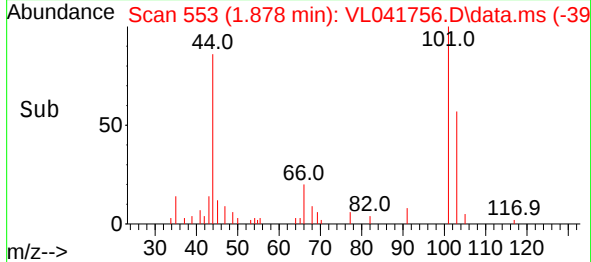
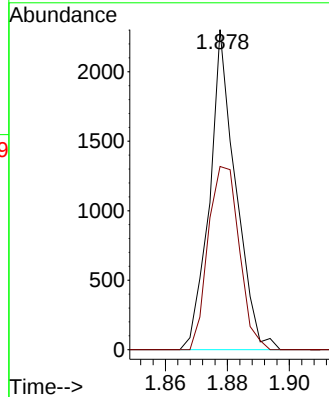
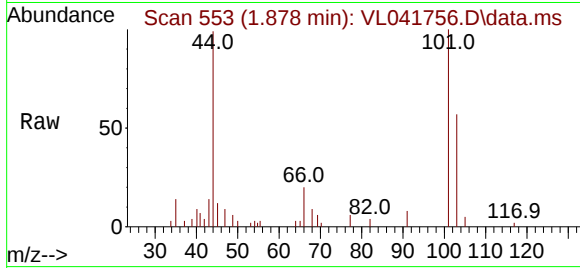
VSTDIC0.1

Tgt Ion:101 Resp: 1346

Ion Ratio Lower Upper

101 100

103 57.3 51.8 77.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.106 ppbv

RT: 2.143 min Scan# 635

Delta R.T. 0.006 min

Lab File: VL041756.D

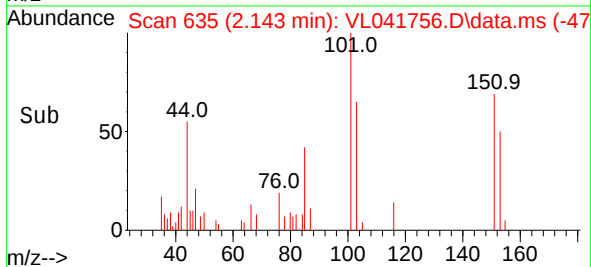
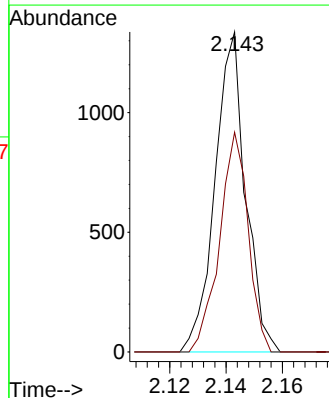
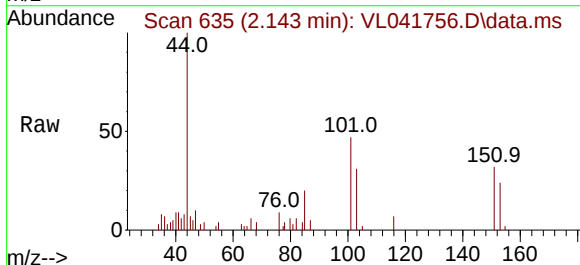
Acq: 16 Dec 2024 15:37

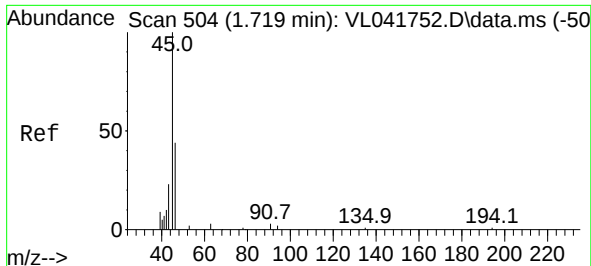
Tgt Ion:101 Resp: 1007

Ion Ratio Lower Upper

101 100

151 64.3 56.8 85.2





#13

Ethanol

Concen: 0.472 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

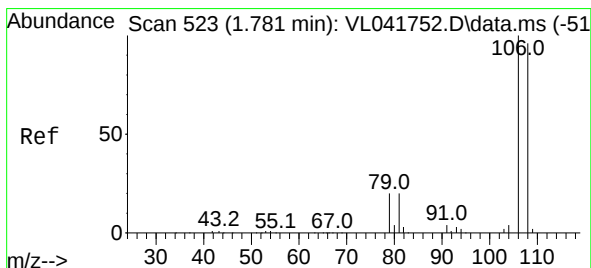
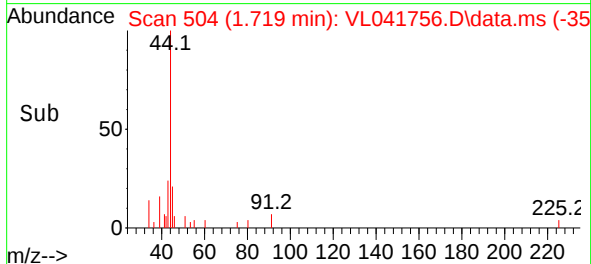
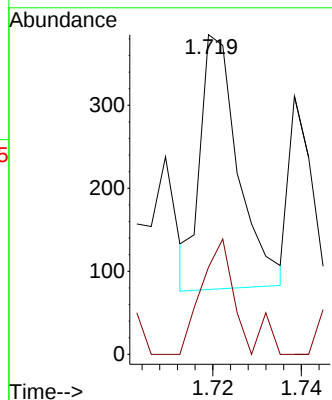
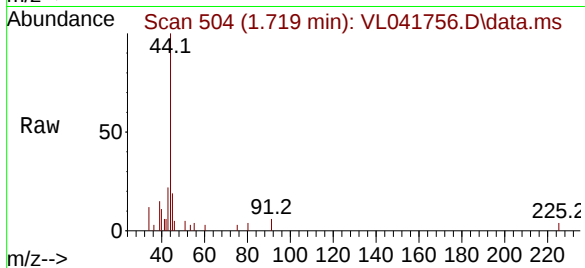
VSTDIC0.1

Tgt Ion: 45 Resp: 183

Ion Ratio Lower Upper

45 100

46 47.5 16.4 65.8



#14

Bromoethene

Concen: 0.135 ppbv

RT: 1.784 min Scan# 524

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

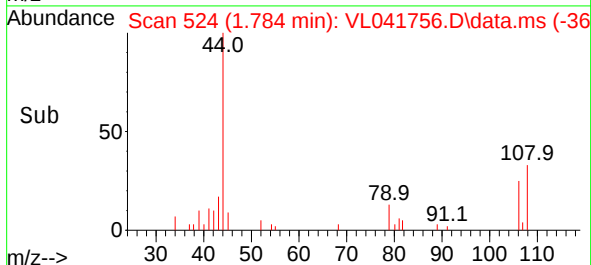
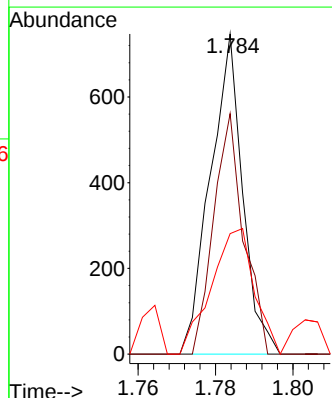
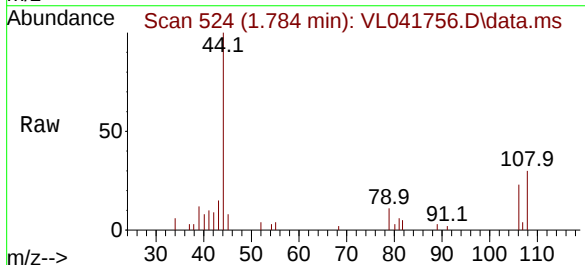
Tgt Ion: 108 Resp: 432

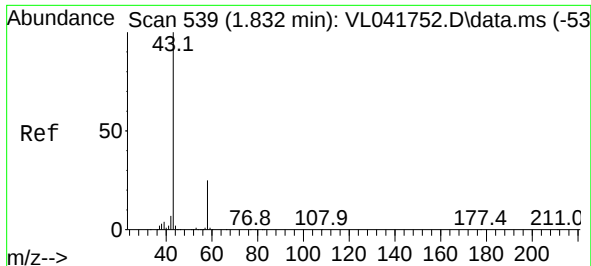
Ion Ratio Lower Upper

108 100

106 69.9 84.1 126.1#

79 67.4 17.4 26.0#





#15

Acetone

Concen: 0.221 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

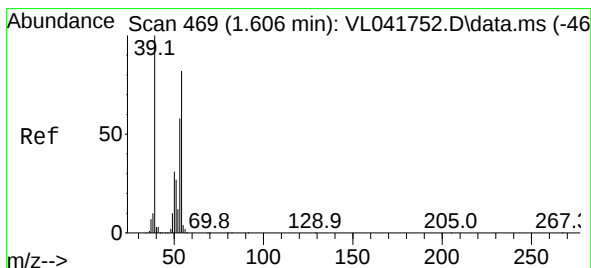
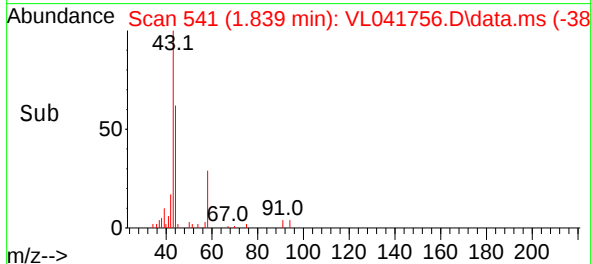
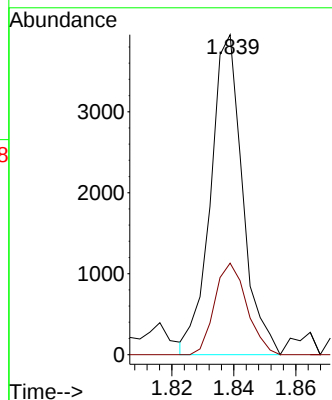
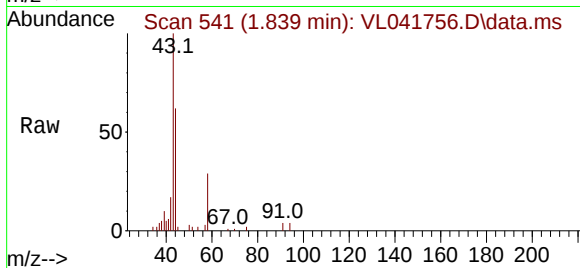
VSTDICC0.1

Tgt Ion: 43 Resp: 2830

Ion Ratio Lower Upper

43 100

58 28.7 19.7 29.5



#16

1,3-Butadiene

Concen: 0.161 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.003 min

Lab File: VL041756.D

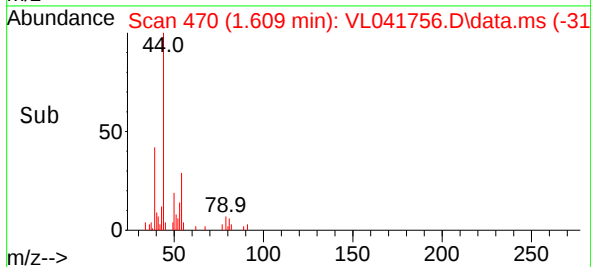
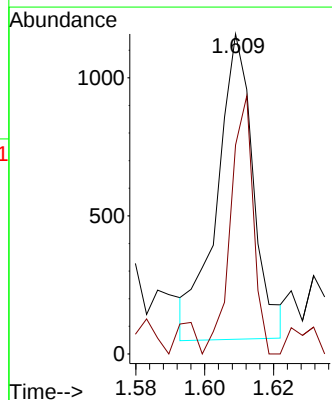
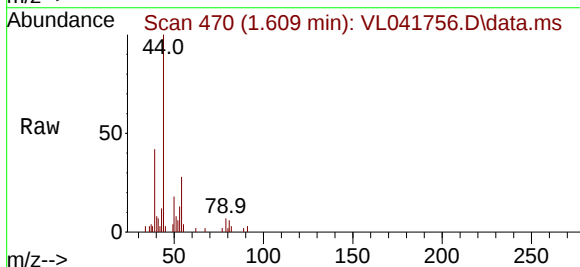
Acq: 16 Dec 2024 15:37

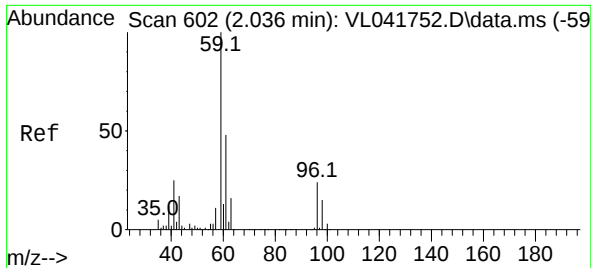
Tgt Ion: 39 Resp: 815

Ion Ratio Lower Upper

39 100

54 69.7 58.4 87.6

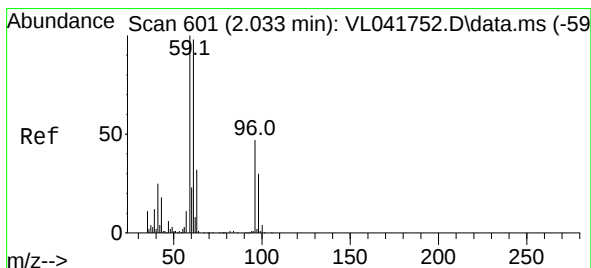
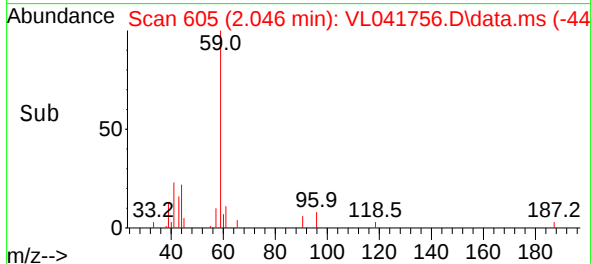
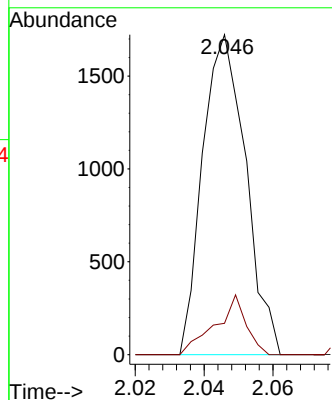
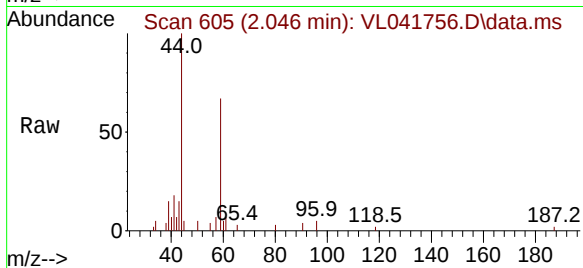




#17
tert-Butyl alcohol
Concen: 0.118 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.010 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

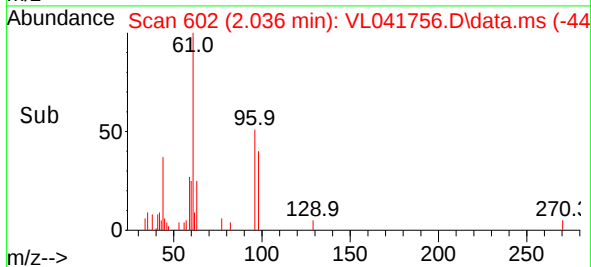
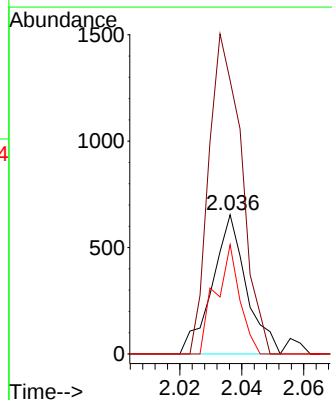
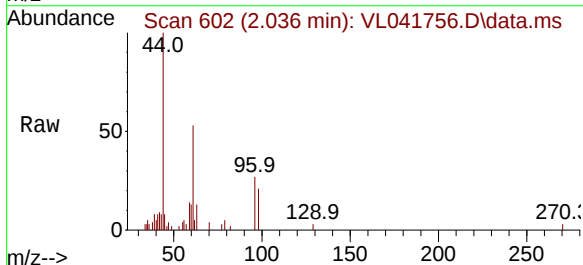
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

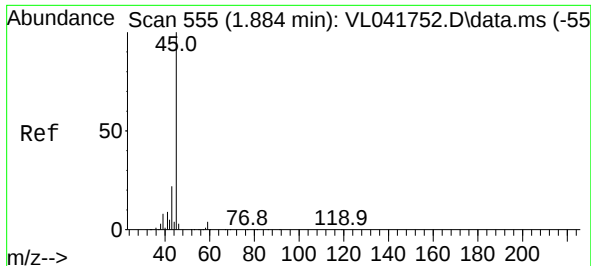
Tgt Ion: 59 Resp: 1498
Ion Ratio Lower Upper
59 100
57 15.0 8.6 13.0#



#18
1,1-Dichloroethene
Concen: 0.125 ppbv
RT: 2.036 min Scan# 602
Delta R.T. 0.003 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion: 96 Resp: 498
Ion Ratio Lower Upper
96 100
61 214.2 167.7 251.5
98 78.6 51.1 76.7#





#19

Isopropyl Alcohol

Concen: 0.391 ppbv

RT: 1.887 min Scan# 511

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

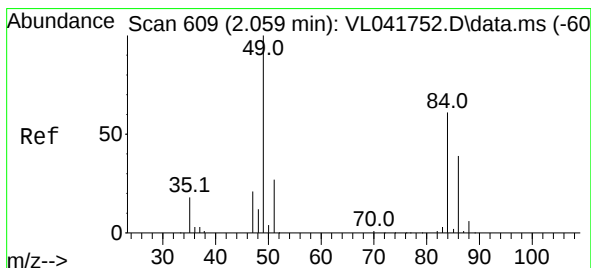
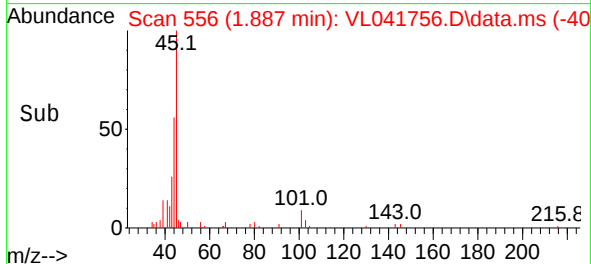
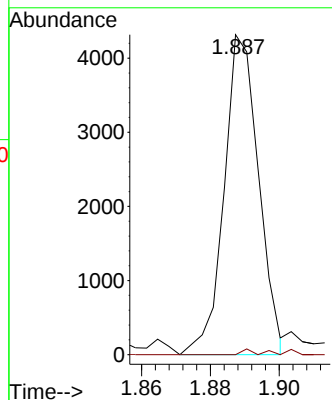
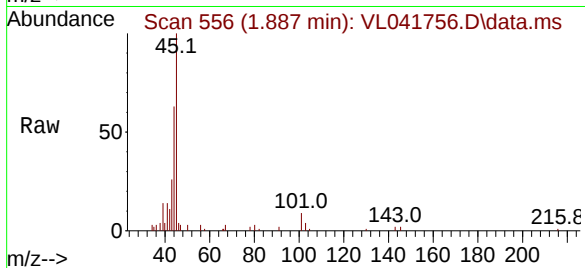
VSTDIC0.1

Tgt Ion: 45 Resp: 3007

Ion Ratio Lower Upper

45 100

58 1.3 33.3 49.9#



#20

Methylene Chloride

Concen: 0.253 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Tgt Ion: 84 Resp: 925

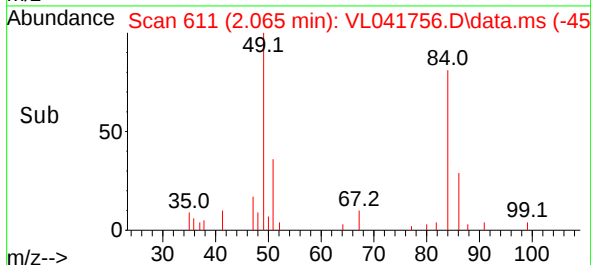
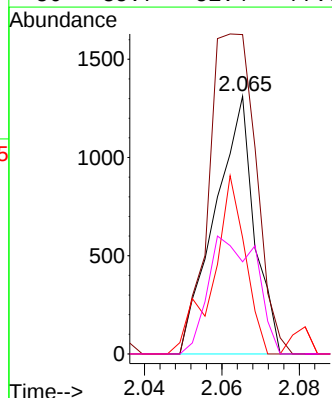
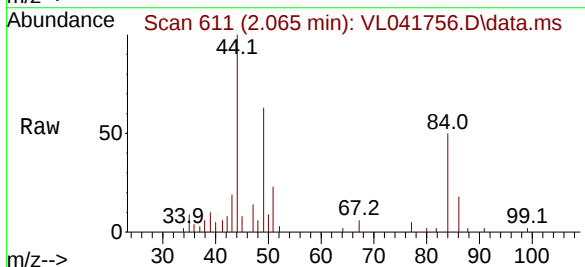
Ion Ratio Lower Upper

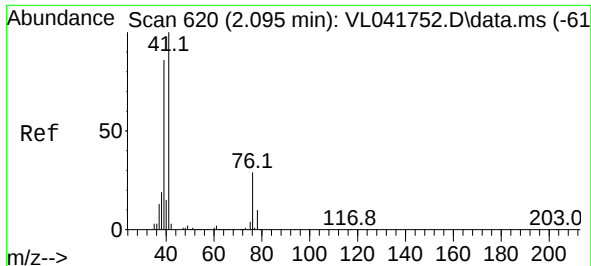
84 100

49 123.9 132.6 198.8#

51 45.1 37.6 56.4

86 35.7 51.4 77.0#





#21

Allyl Chloride

Concen: 0.123 ppbv

RT: 2.098 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

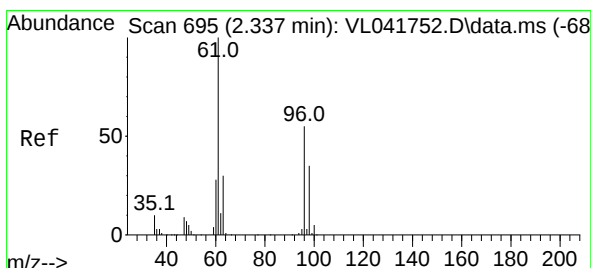
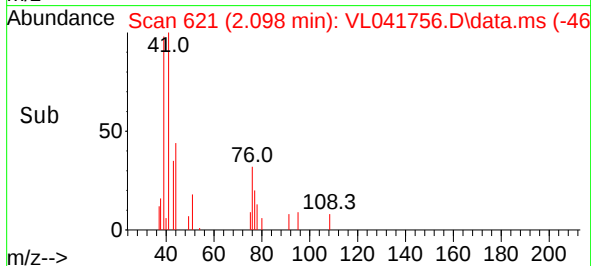
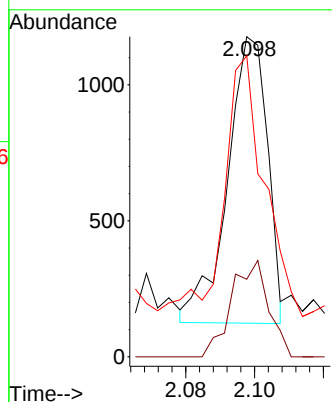
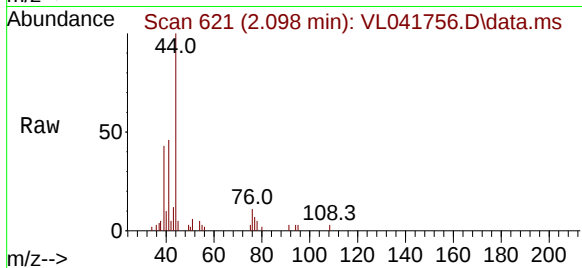
Tgt Ion: 41 Resp: 854

Ion Ratio Lower Upper

41 100

76 31.0 22.3 33.5

39 138.5 69.2 103.8#



#22

trans-1,2-Dichloroethene

Concen: 0.105 ppbv

RT: 2.344 min Scan# 697

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

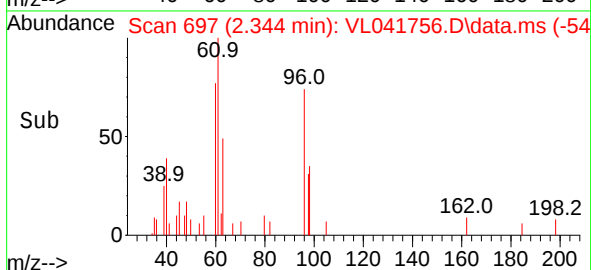
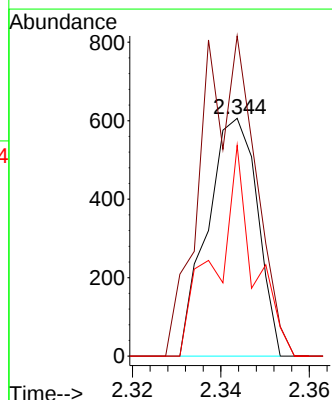
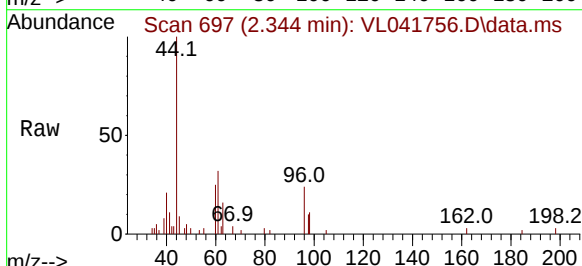
Tgt Ion: 96 Resp: 476

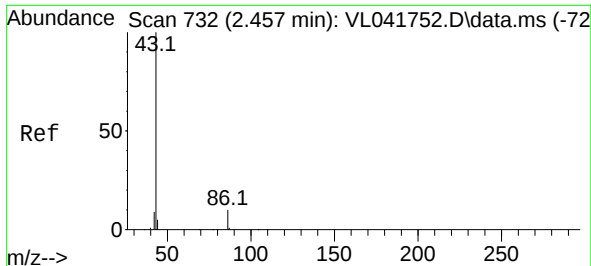
Ion Ratio Lower Upper

96 100

61 122.1 146.3 219.5#

98 88.6 50.8 76.2#





#23

Vinyl Acetate

Concen: 0.240 ppbv

RT: 2.460 min Scan# 717

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 43 Resp: 1339

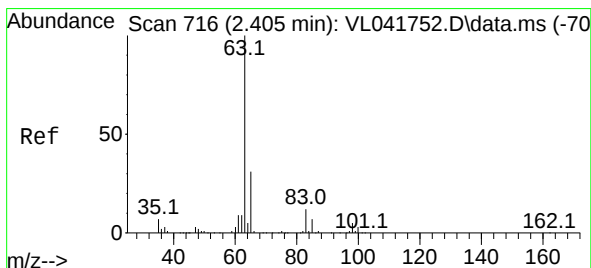
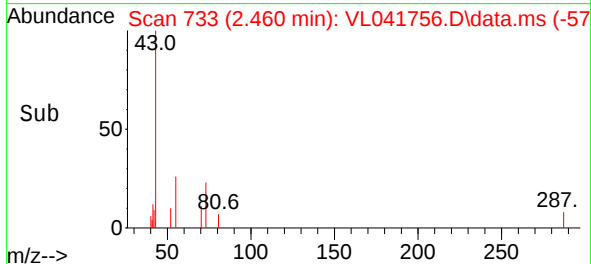
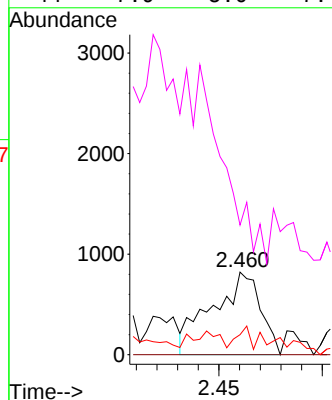
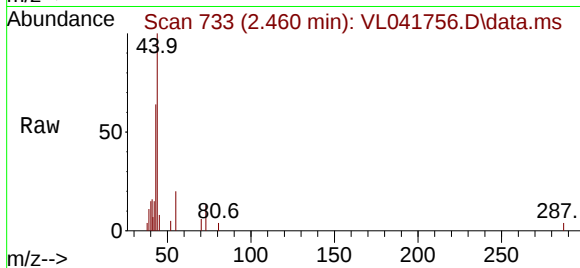
Ion Ratio Lower Upper

43 100

86 0.0 6.6 10.0#

42 15.5 8.2 12.2#

44 7.9 5.0 7.4#



#24

1,1-Dichloroethane

Concen: 0.113 ppbv

RT: 2.408 min Scan# 717

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

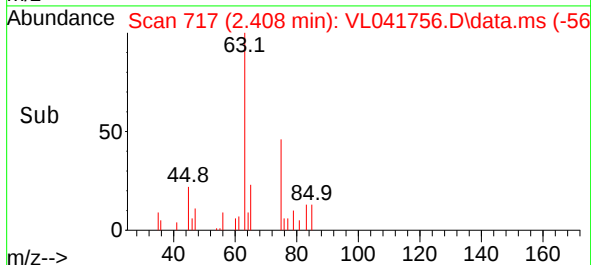
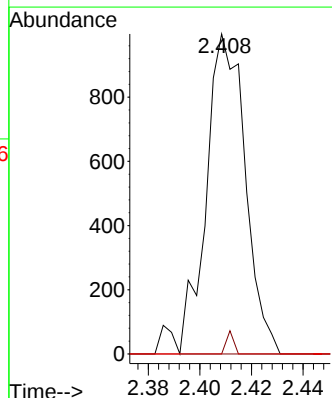
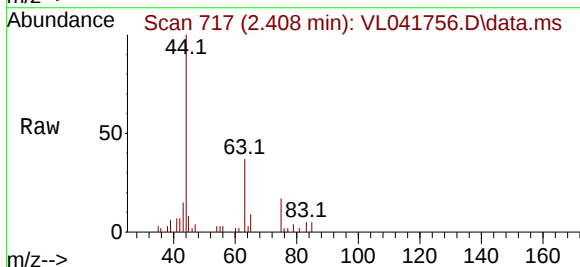
Tgt Ion: 63 Resp: 1044

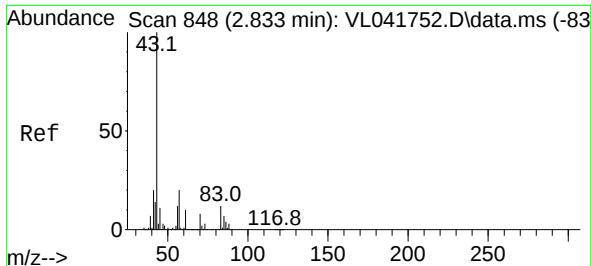
Ion Ratio Lower Upper

63 100

98 0.0 2.3 6.8#

100 0.0 1.4 4.2#





#25

Ethyl Acetate

Concen: 0.093 ppbv

RT: 2.842 min Scan# 848

Delta R.T. 0.010 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 43 Resp: 2227

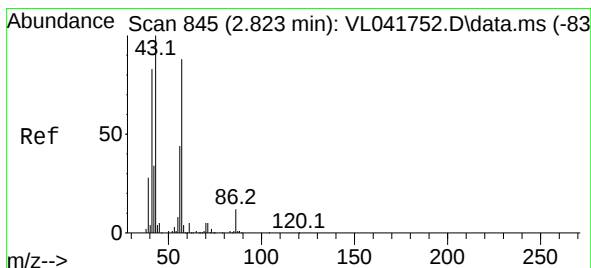
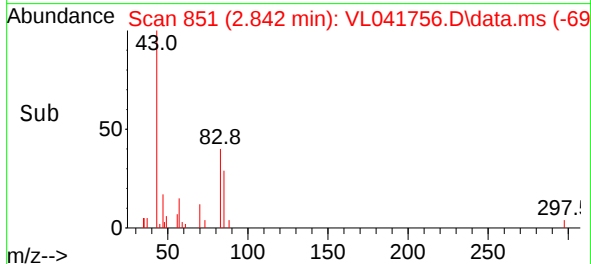
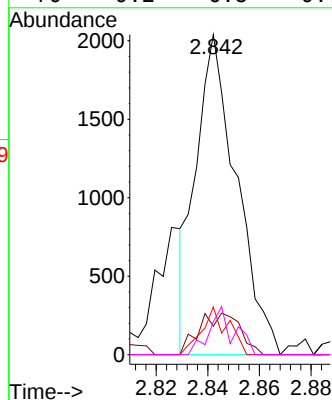
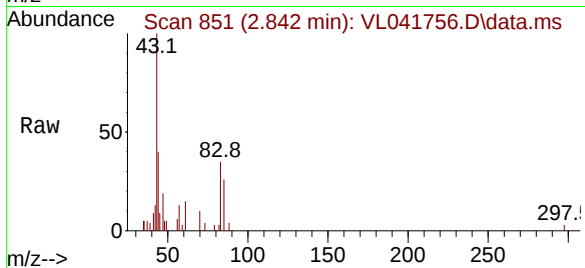
Ion Ratio Lower Upper

43 100

45 16.7 8.1 12.1#

61 9.7 7.0 10.6

70 9.2 6.5 9.7



#26

Hexane

Concen: 0.116 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Tgt Ion: 57 Resp: 1053

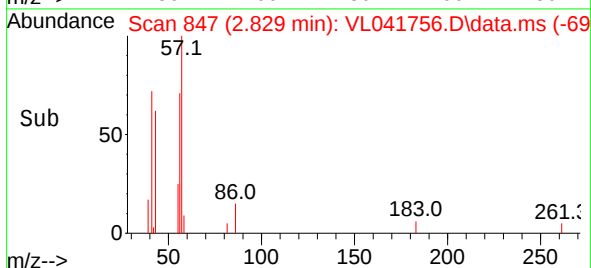
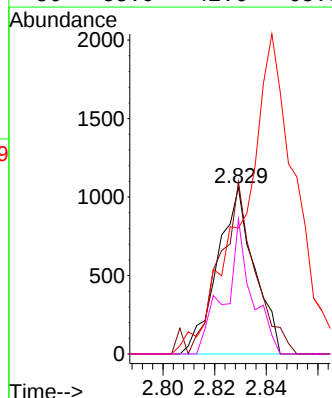
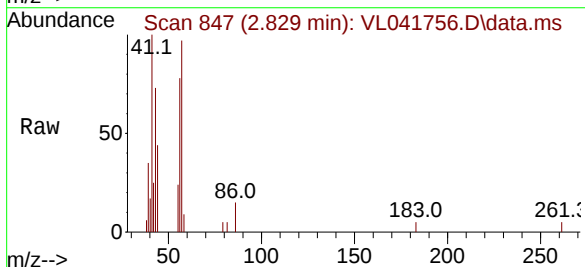
Ion Ratio Lower Upper

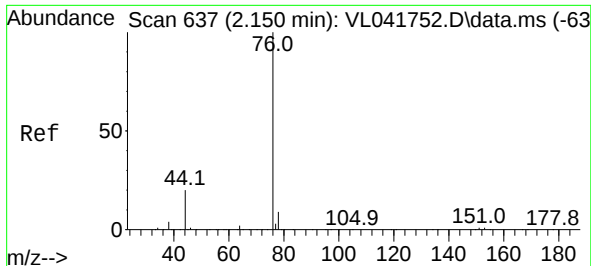
57 100

41 101.5 79.6 119.4

43 273.5 211.0 316.6

56 58.9 42.6 63.8





#27

Carbon Disulfide

Concen: 0.089 ppbv

RT: 2.149 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

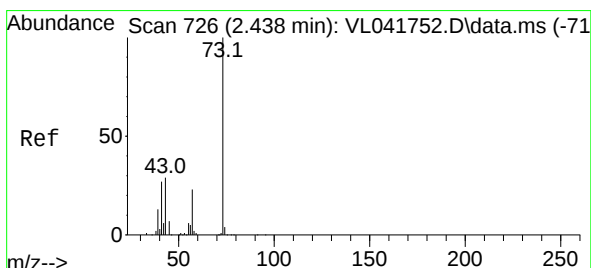
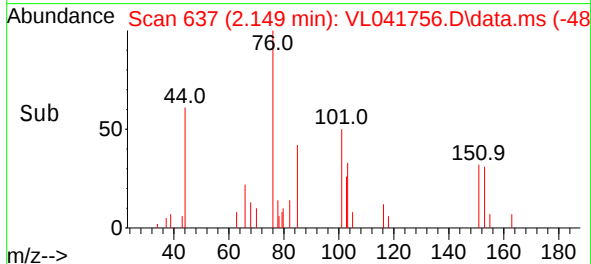
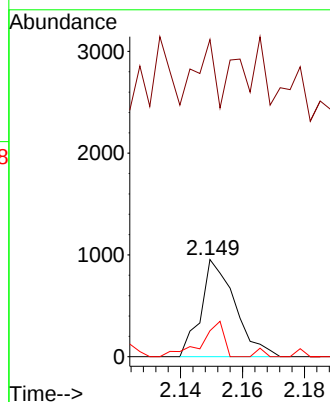
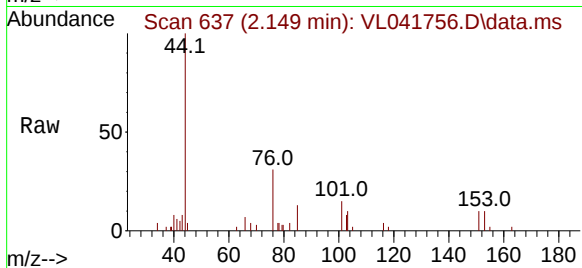
Tgt Ion: 76 Resp: 729

Ion Ratio Lower Upper

76 100

44 720.3 17.6 26.4#

78 25.8 10.2 15.4#



#28

Methyl tert-Butyl Ether

Concen: 0.105 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.006 min

Lab File: VL041756.D

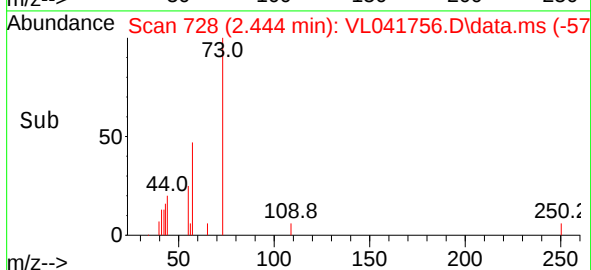
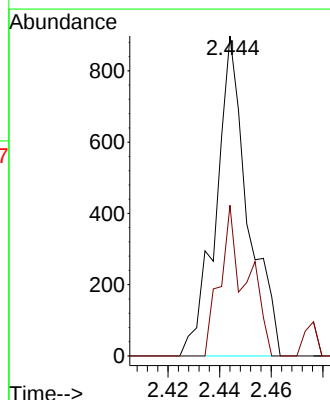
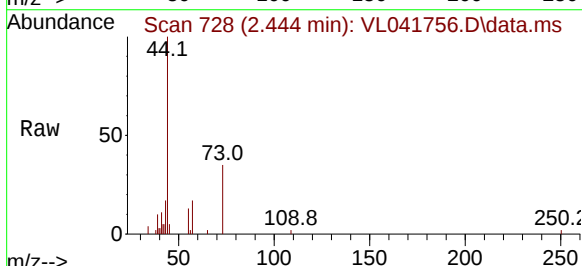
Acq: 16 Dec 2024 15:37

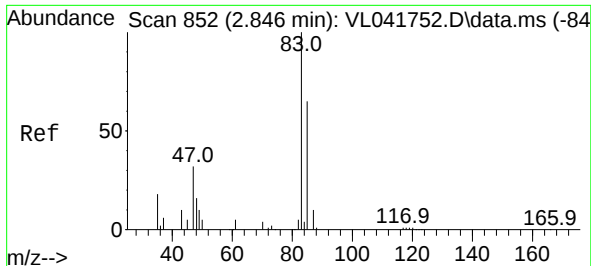
Tgt Ion: 73 Resp: 774

Ion Ratio Lower Upper

73 100

57 43.4 17.6 26.4#





#29

Chloroform

Concen: 0.110 ppbv

RT: 2.852 min Scan# 85

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

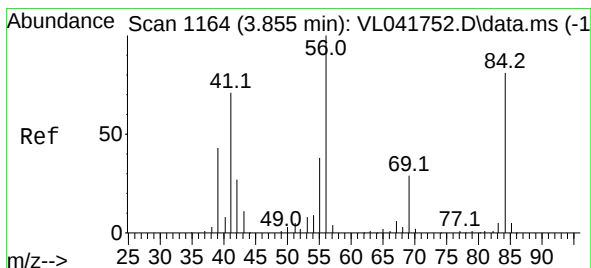
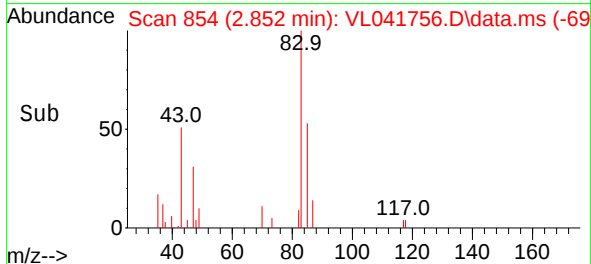
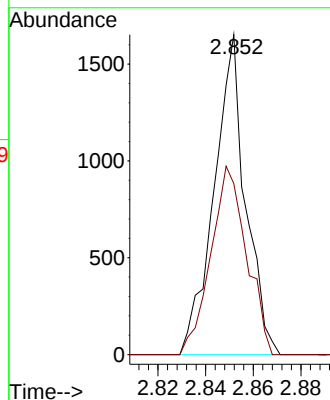
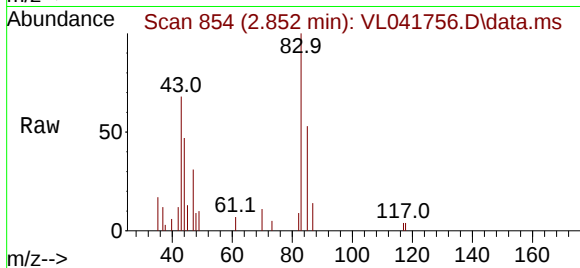
VSTDIC0.1

Tgt Ion: 83 Resp: 1515

Ion Ratio Lower Upper

83 100

85 53.5 51.8 77.6



#30

Cyclohexane

Concen: 0.049 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.010 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

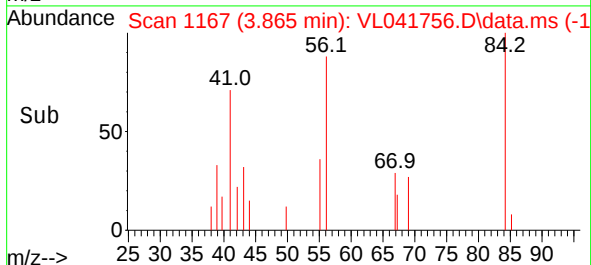
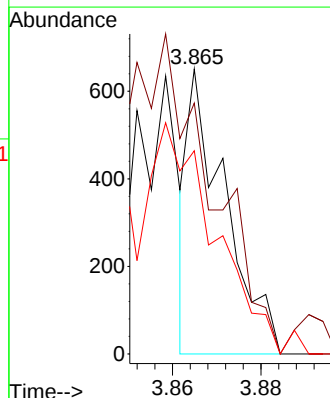
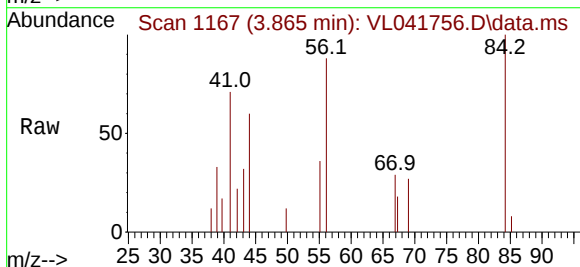
Tgt Ion: 84 Resp: 377

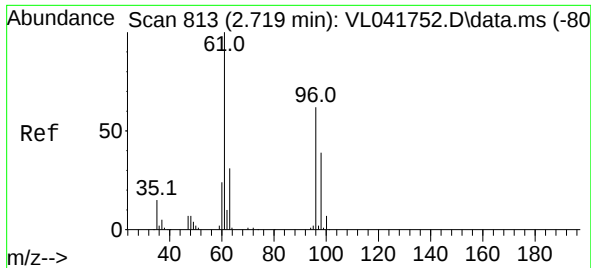
Ion Ratio Lower Upper

84 100

56 0.0 102.3 153.5#

41 0.0 74.0 111.0#

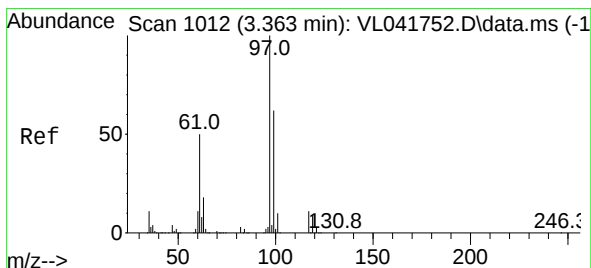
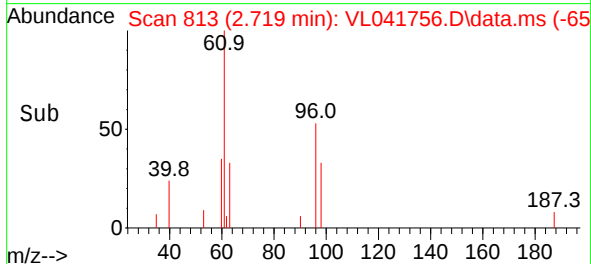
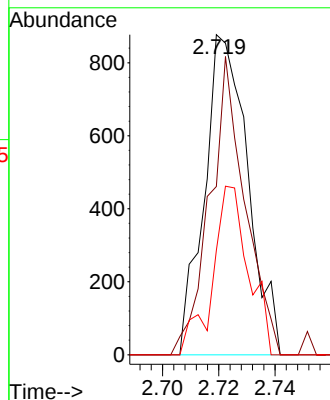
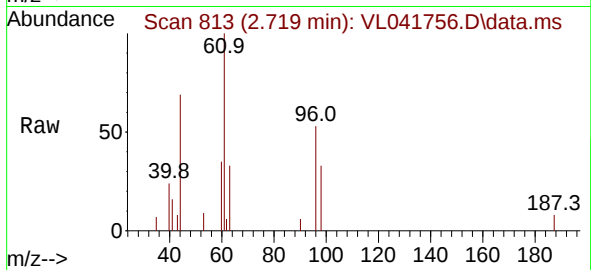




#31
 cis-1,2-Dichloroethene
 Concen: 0.100 ppbv
 RT: 2.719 min Scan# 813
 Delta R.T. -0.000 min
 Lab File: VL041756.D
 Acq: 16 Dec 2024 15:37

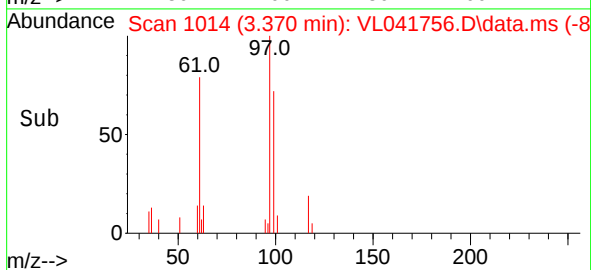
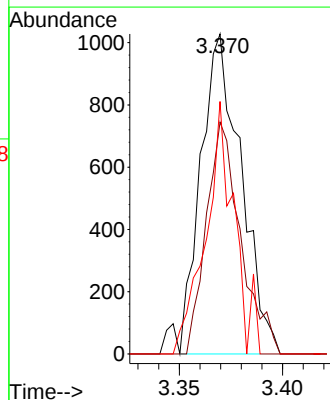
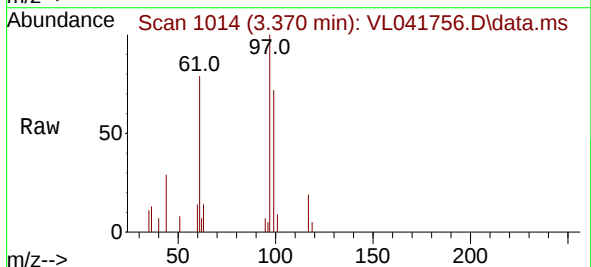
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

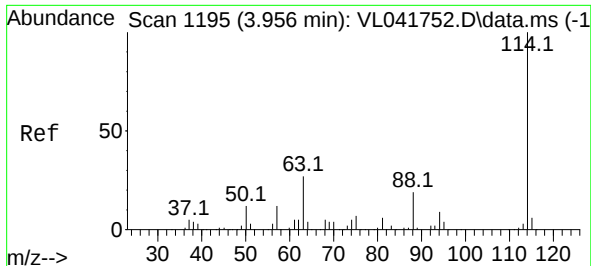
Tgt Ion:	61	Resp:	940
Ion	Ratio	Lower	Upper
61	100		
96	49.7	49.7	74.5
98	30.9	30.8	46.2



#32
 1,1,1-Trichloroethane
 Concen: 0.101 ppbv
 RT: 3.370 min Scan# 1014
 Delta R.T. 0.006 min
 Lab File: VL041756.D
 Acq: 16 Dec 2024 15:37

Tgt Ion:	97	Resp:	1393
Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.0	76.4
61	55.9	42.2	63.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1195

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

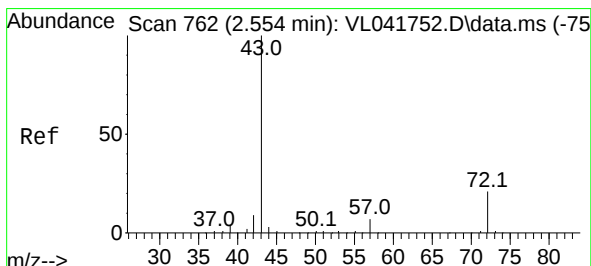
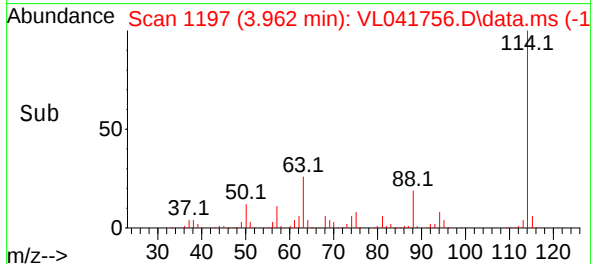
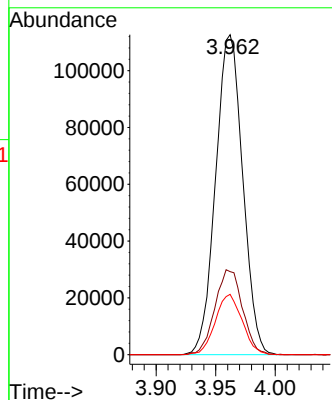
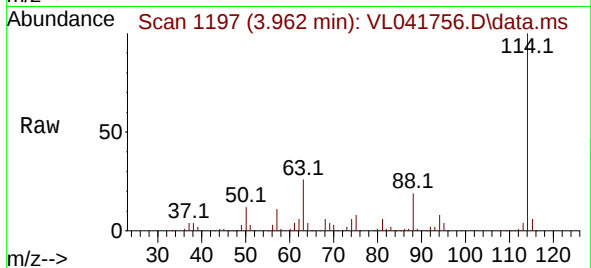
Tgt Ion:114 Resp: 177964

Ion Ratio Lower Upper

114 100

63 27.0 21.8 32.8

88 18.7 14.8 22.2



#34

2-Butanone

Concen: 0.132 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.010 min

Lab File: VL041756.D

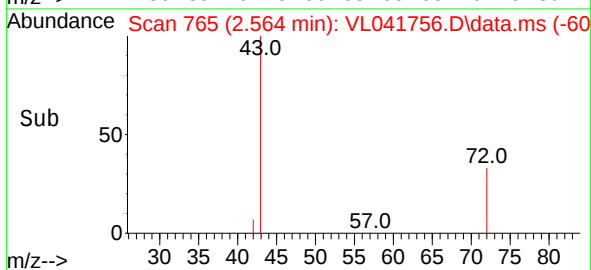
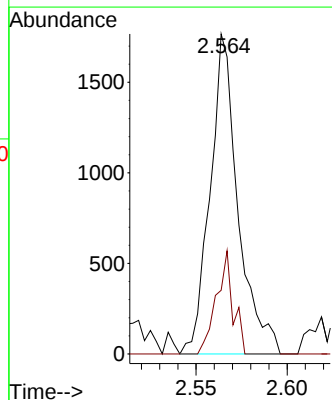
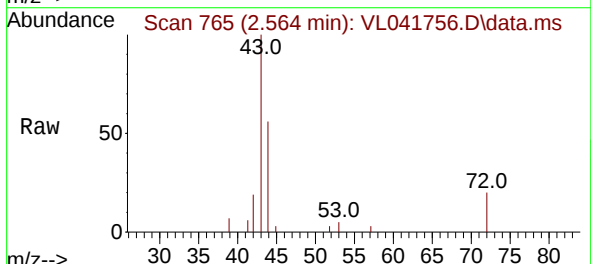
Acq: 16 Dec 2024 15:37

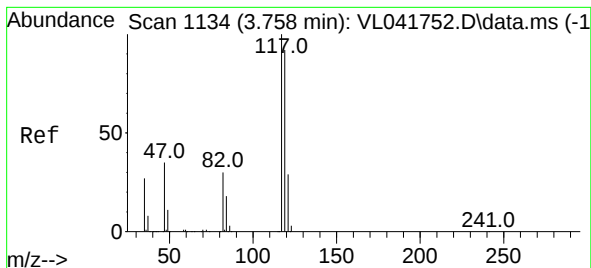
Tgt Ion: 43 Resp: 1888

Ion Ratio Lower Upper

43 100

72 19.2 16.8 25.2





#35

Carbon Tetrachloride

Concen: 0.093 ppbv

RT: 3.771 min Scan# 1134

Delta R.T. 0.013 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

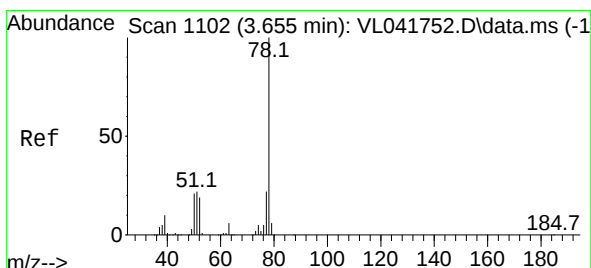
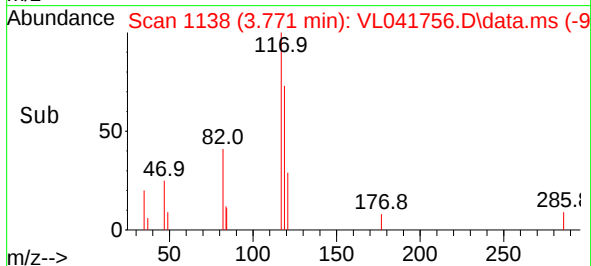
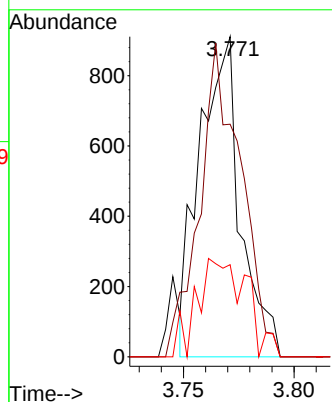
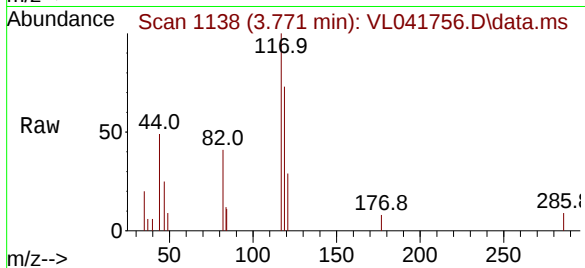
Tgt Ion:117 Resp: 1170

Ion Ratio Lower Upper

117 100

119 72.7 73.7 110.5#

121 28.8 23.0 34.4



#36

Benzene

Concen: 0.053 ppbv

RT: 3.658 min Scan# 1103

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

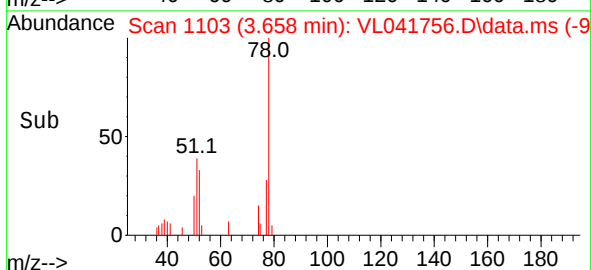
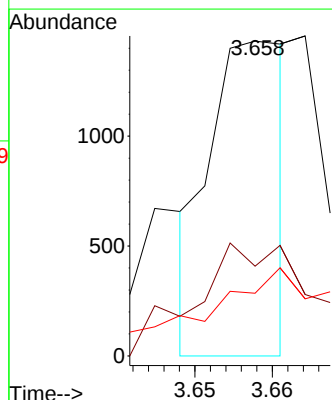
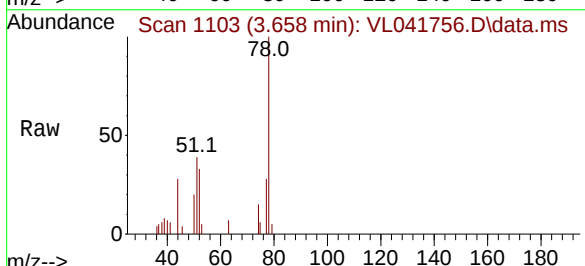
Tgt Ion: 78 Resp: 976

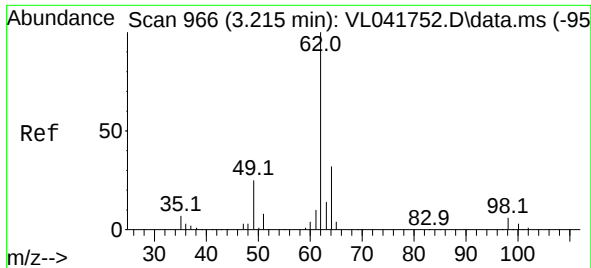
Ion Ratio Lower Upper

78 100

77 29.4 17.8 26.6#

50 13.1 17.2 25.8#





#37

1,2-Dichloroethane

Concen: 0.110 ppbv

RT: 3.218 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

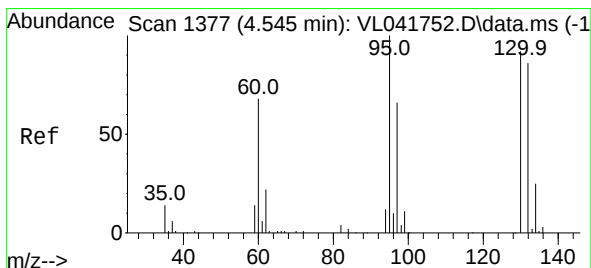
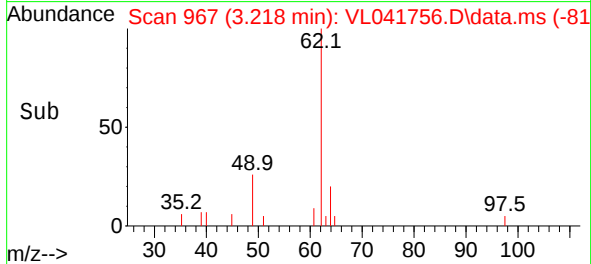
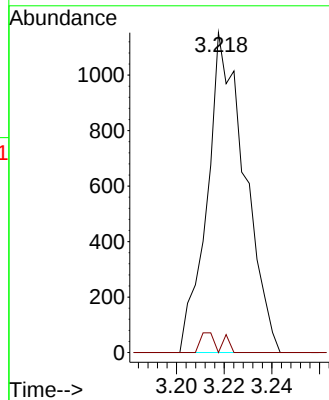
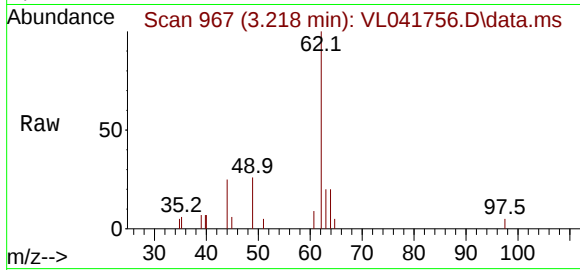
VSTDIC0.1

Tgt Ion: 62 Resp: 1264

Ion Ratio Lower Upper

62 100

98 3.2 4.7 7.1#



#38

Trichloroethene

Concen: 0.044 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Tgt Ion:130 Resp: 339

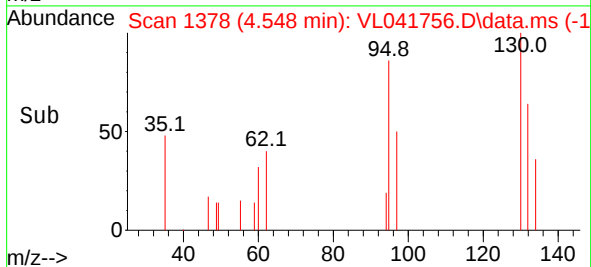
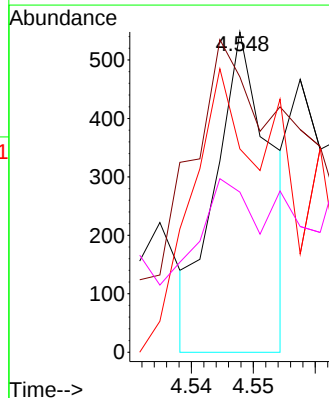
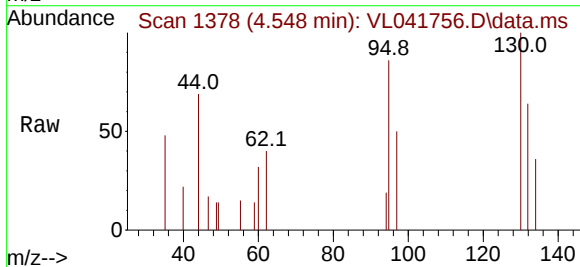
Ion Ratio Lower Upper

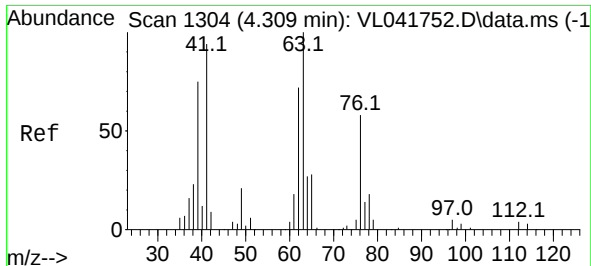
130 100

95 35.8 87.0 130.6#

132 33.6 75.0 112.6#

97 29.4 57.2 85.8#





#39

1,2-Dichloropropane

Concen: 7.216 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.350 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

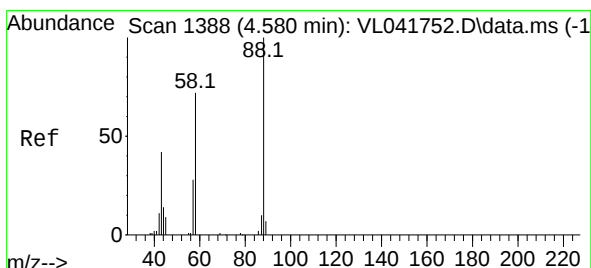
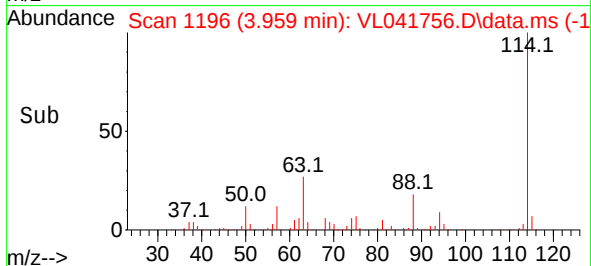
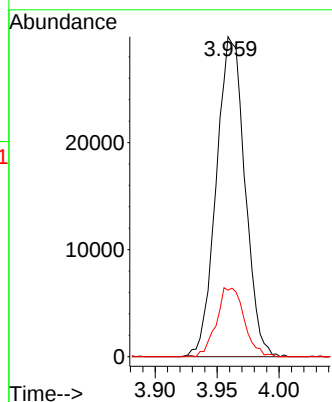
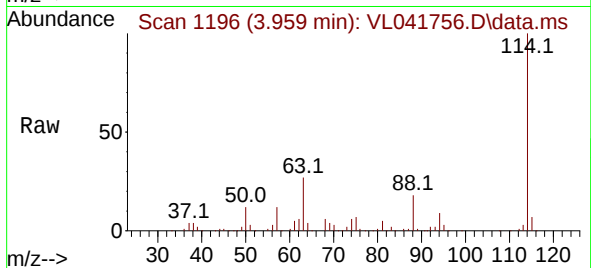
Tgt Ion: 63 Resp: 48044

Ion Ratio Lower Upper

63 100

41 0.0 75.3 112.9#

62 20.8 57.3 85.9#



#40

1,4-Dioxane

Concen: 0.078 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.042 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Tgt Ion: 88 Resp: 254

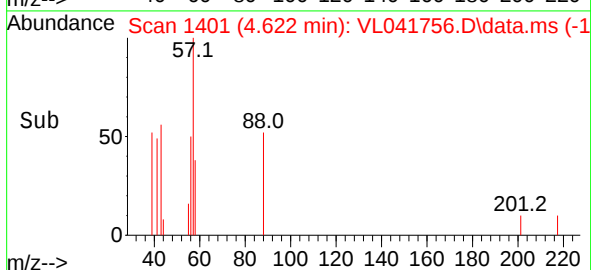
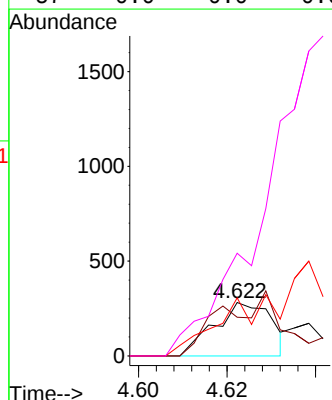
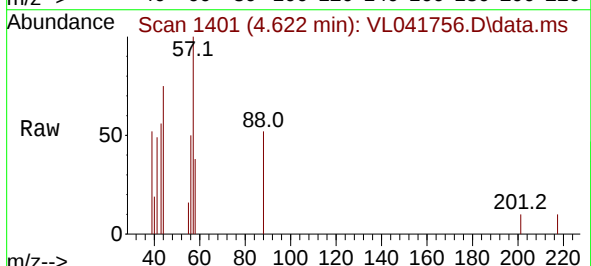
Ion Ratio Lower Upper

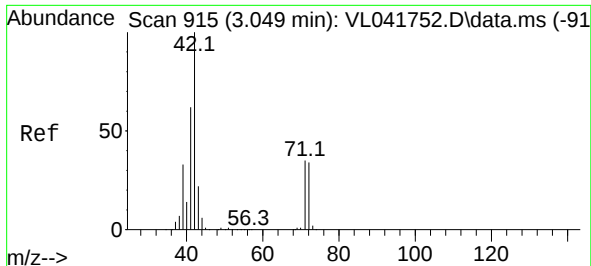
88 100

58 175.2 61.0 91.6#

43 0.0 29.4 44.0#

57 0.0 0.0 0.0



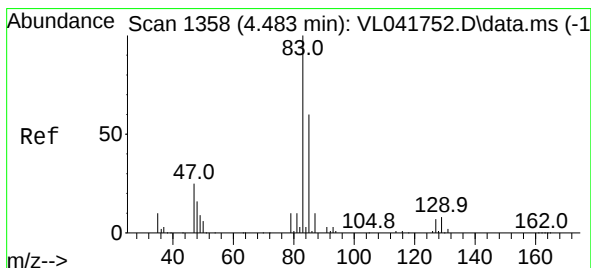
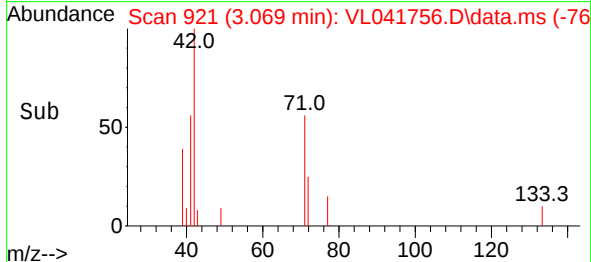
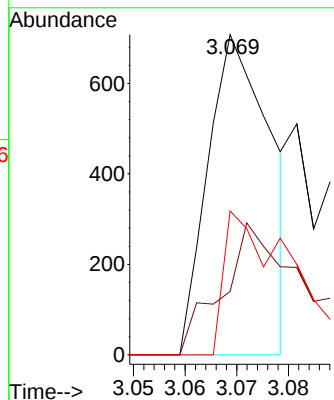
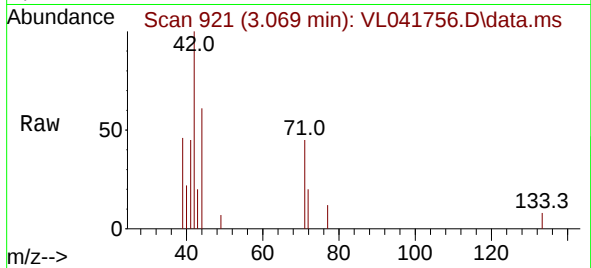


#41
Tetrahydrofuran
Concen: 0.074 ppbv
RT: 3.069 min Scan# 915
Delta R.T. 0.019 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

Tgt Ion: 42 Resp: 593

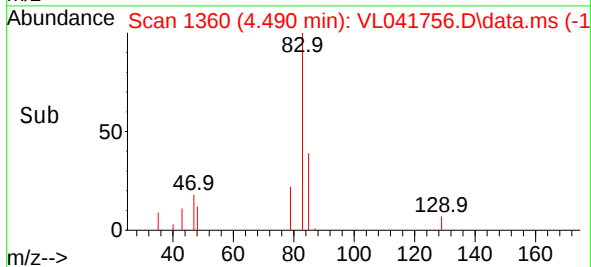
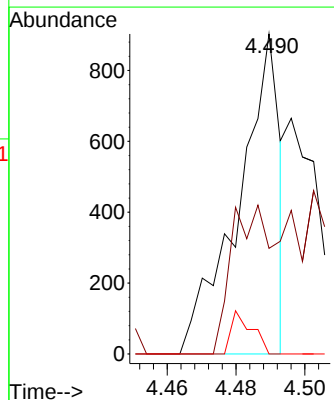
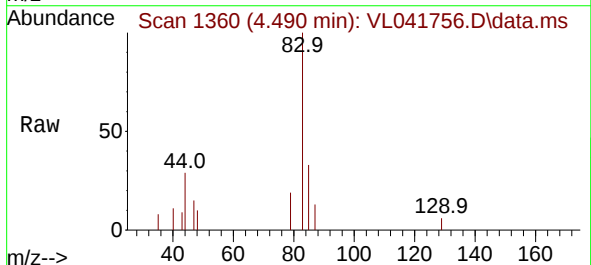
Ion	Ratio	Lower	Upper
42	100		
72	52.3	29.1	43.7#
71	47.6	28.4	42.6#

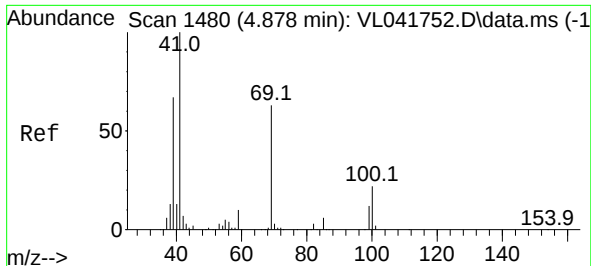


#42
Bromodichloromethane
Concen: 0.057 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. 0.006 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion: 83 Resp: 756

Ion	Ratio	Lower	Upper
83	100		
85	33.0	48.0	72.0#
127	0.0	5.8	8.8#





#43

Methyl Methacrylate

Concen: 0.028 ppbv

RT: 4.888 min Scan# 1410

Delta R.T. 0.010 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

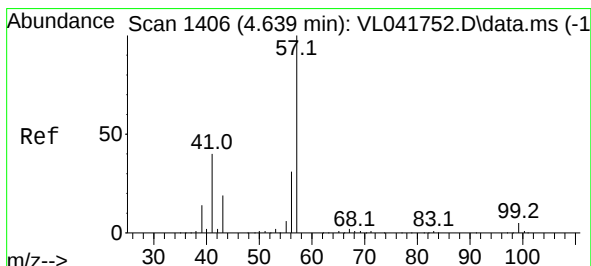
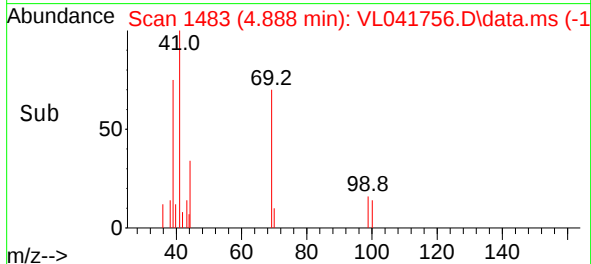
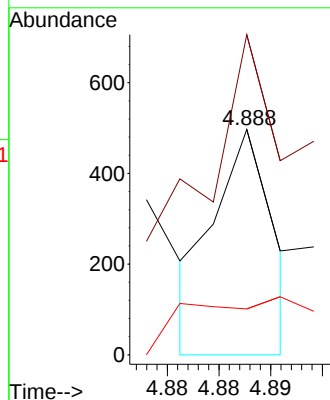
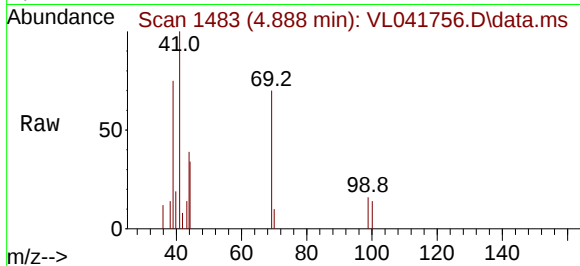
Tgt Ion: 69 Resp: 197

Ion Ratio Lower Upper

69 100

41 570.1 130.3 195.5#

100 0.0 28.3 42.5#



#44

2,2,4-Trimethylpentane

Concen: 0.050 ppbv

RT: 4.651 min Scan# 1410

Delta R.T. 0.013 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

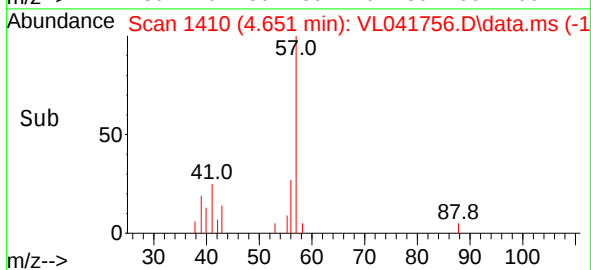
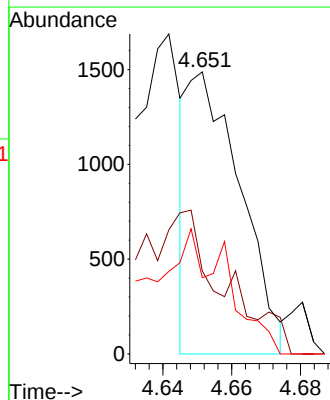
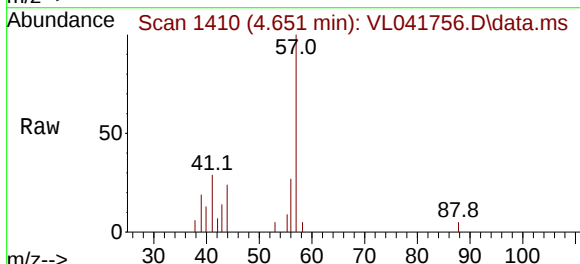
Tgt Ion: 57 Resp: 1584

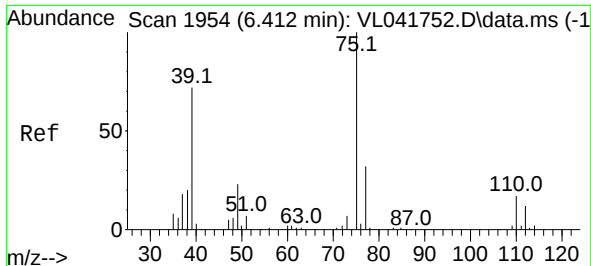
Ion Ratio Lower Upper

57 100

41 92.9 30.7 46.1#

56 72.0 25.4 38.0#





#45

t-1,3-Dichloropropene

Concen: 0.034 ppbv

RT: 6.419 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

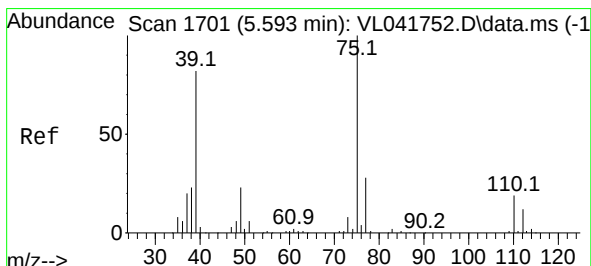
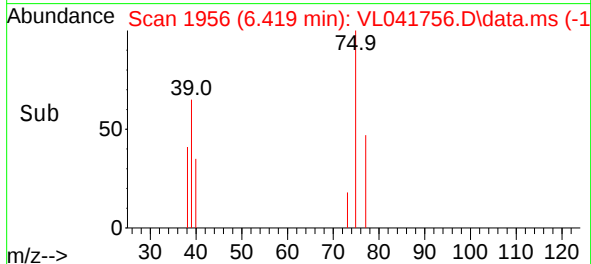
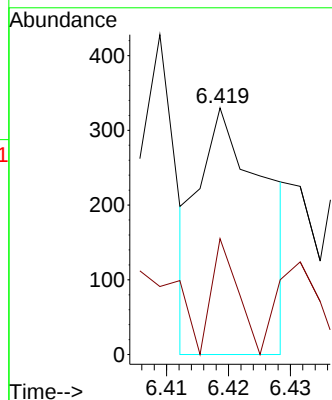
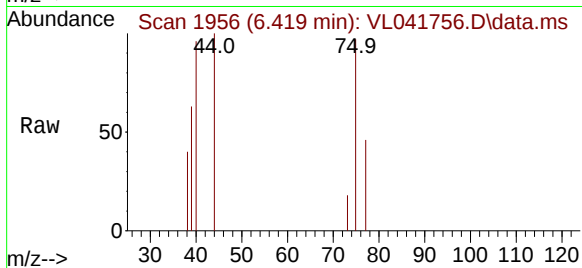
VSTDIC0.1

Tgt Ion: 75 Resp: 247

Ion Ratio Lower Upper

75 100

77 47.0 25.9 38.9#



#46

cis-1,3-Dichloropropene

Concen: 0.034 ppbv

RT: 5.600 min Scan# 1703

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

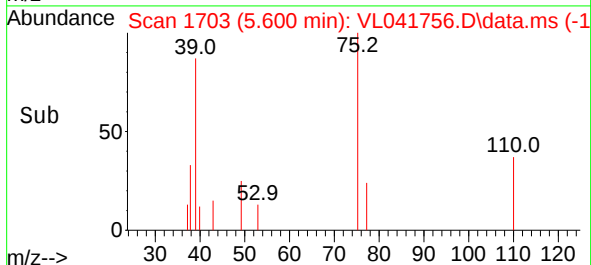
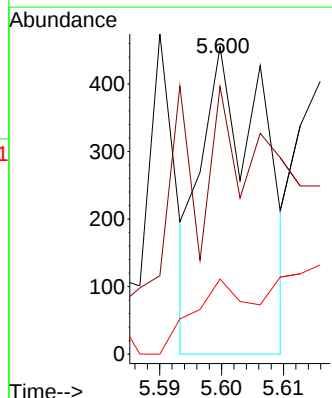
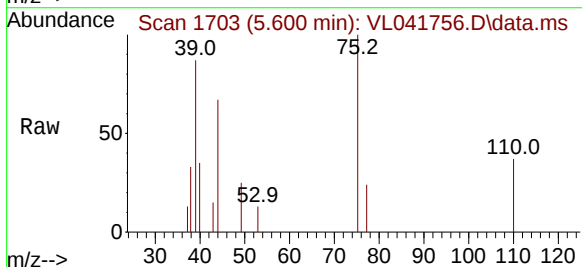
Tgt Ion: 75 Resp: 315

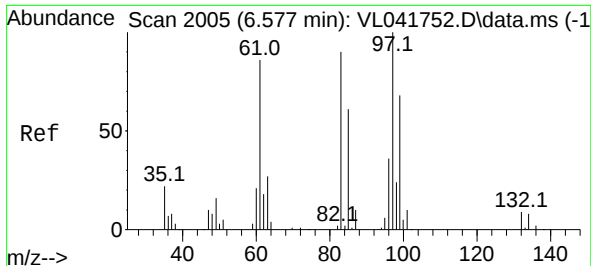
Ion Ratio Lower Upper

75 100

39 40.5 65.2 97.8#

77 22.8 22.0 33.0





#47

1,1,2-Trichloroethane

Concen: 0.075 ppbv

RT: 6.590 min Scan# 20

Delta R.T. 0.013 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 525

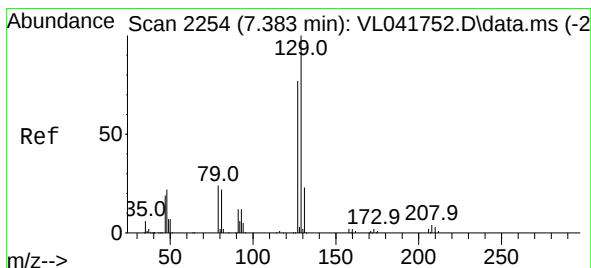
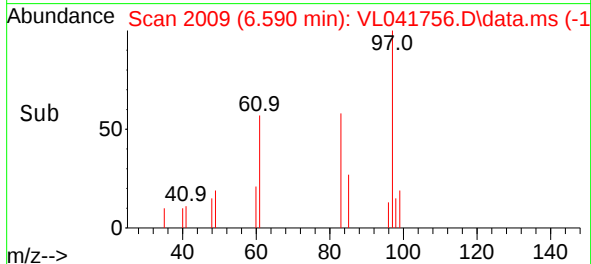
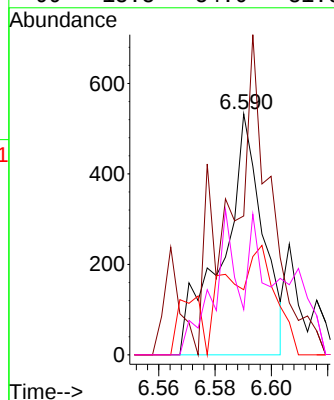
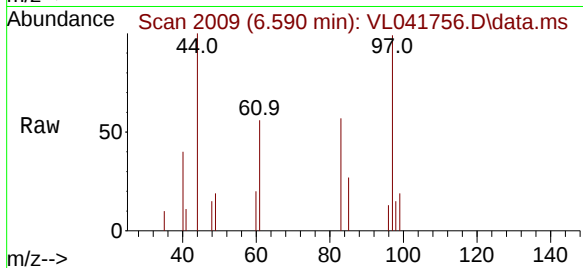
Ion Ratio Lower Upper

97 100

83 40.5 72.3 108.5#

85 6.9 48.5 72.7#

99 18.8 54.0 81.0#



#48

Dibromochloromethane

Concen: 0.063 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.010 min

Lab File: VL041756.D

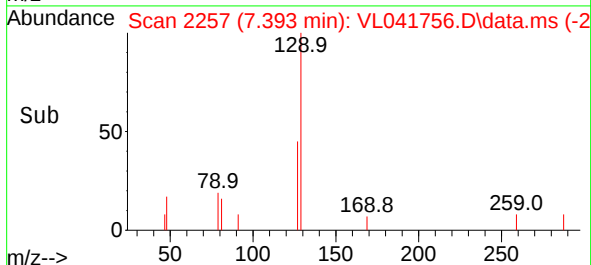
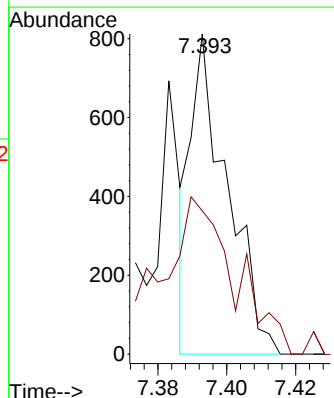
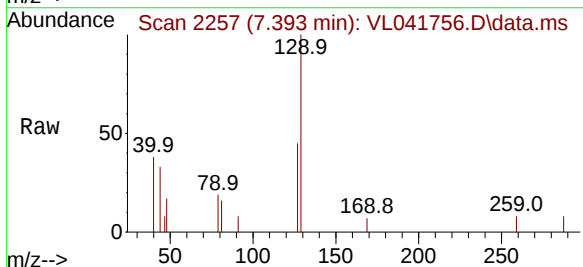
Acq: 16 Dec 2024 15:37

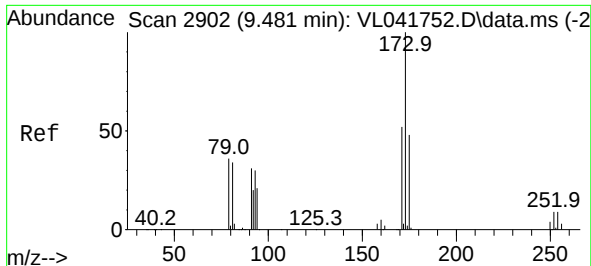
Tgt Ion: 129 Resp: 599

Ion Ratio Lower Upper

129 100

127 102.2 38.8 116.3





#49

Bromoform

Concen: 0.022 ppbv

RT: 9.493 min Scan# 2906

Delta R.T. 0.013 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

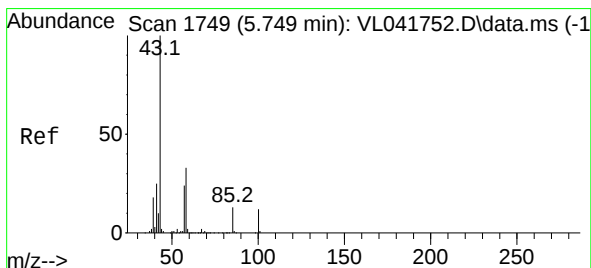
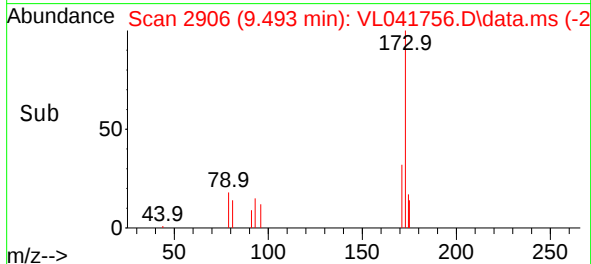
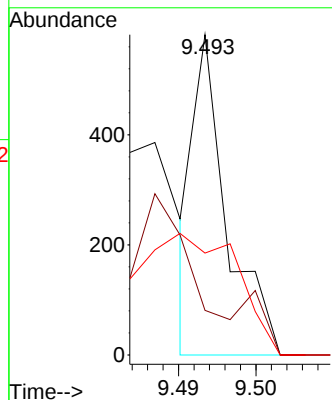
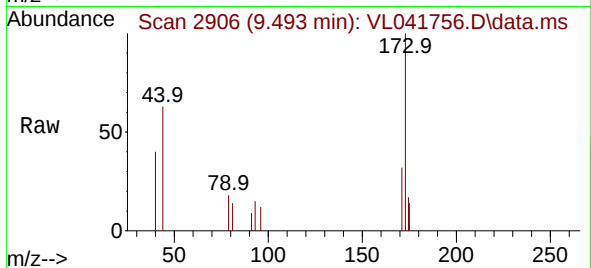
Tgt Ion:173 Resp: 172

Ion Ratio Lower Upper

173 100

175 0.0 38.2 57.2#

171 154.7 41.1 61.7#



#50

4-Methyl-2-Pentanone

Concen: 0.002 ppbv

RT: 5.749 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VL041756.D

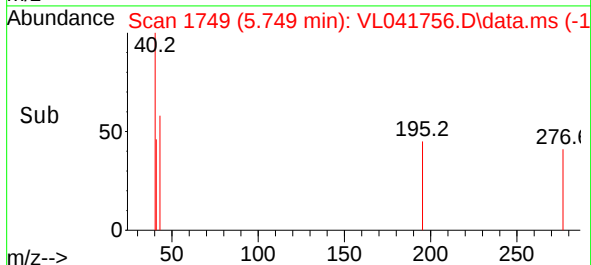
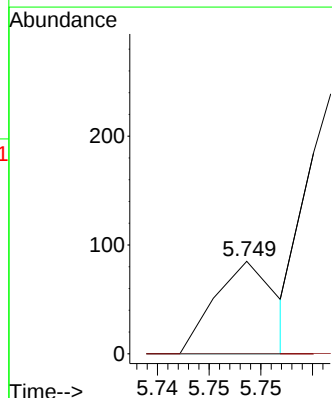
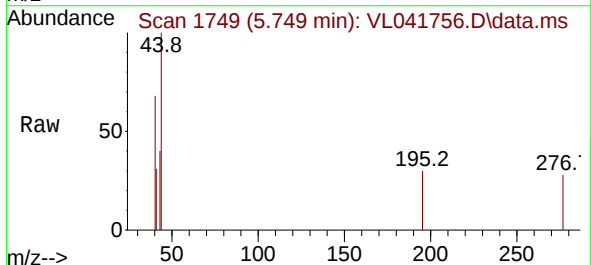
Acq: 16 Dec 2024 15:37

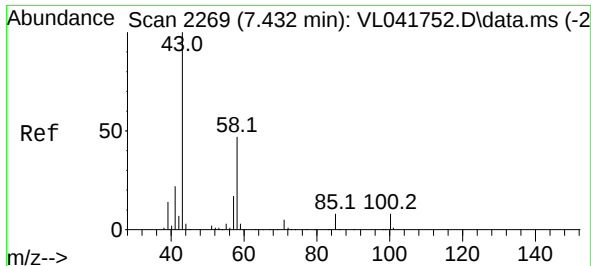
Tgt Ion: 43 Resp: 36

Ion Ratio Lower Upper

43 100

58 0.0 26.8 40.2#

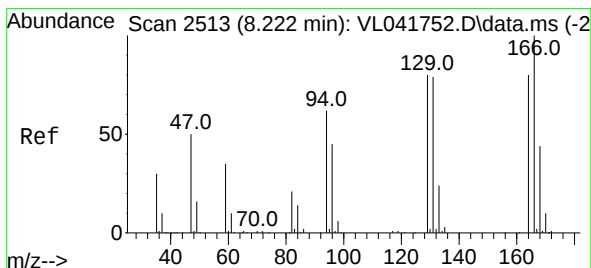
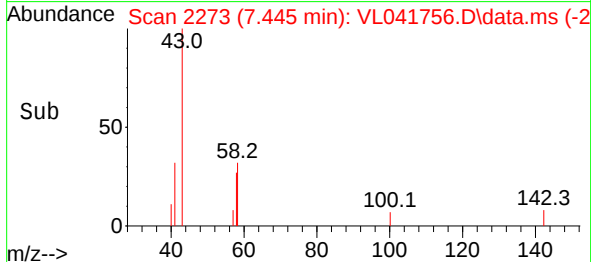
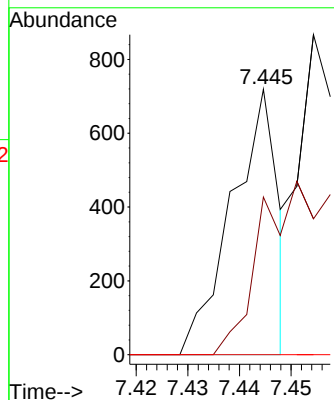
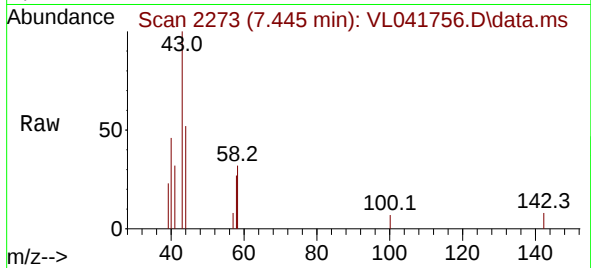




#51
2-Hexanone
Concen: 0.028 ppbv
RT: 7.445 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

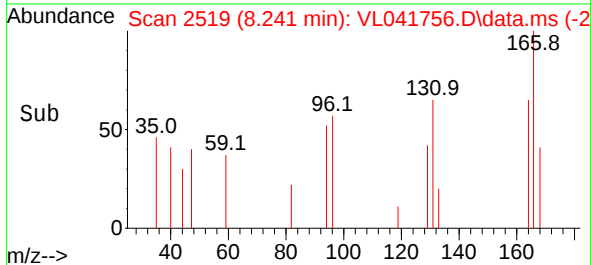
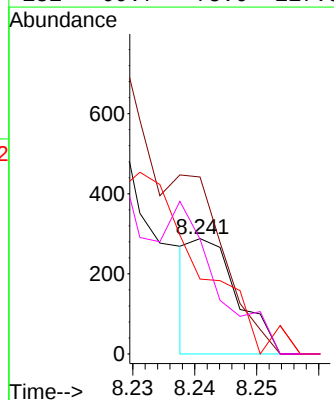
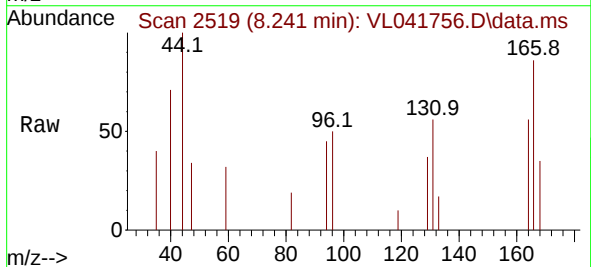
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

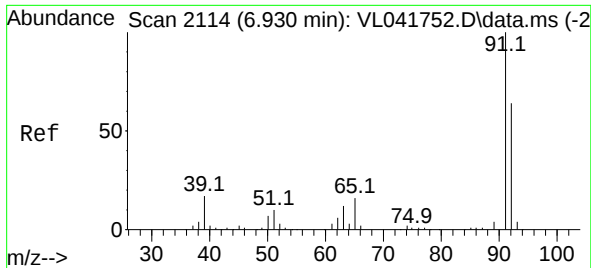
Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
58 176.7 36.6 55.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.022 ppbv
RT: 8.241 min Scan# 2519
Delta R.T. 0.019 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion: 164 Resp: 149
Ion Ratio Lower Upper
164 100
166 153.5 99.8 149.6#
129 40.3 79.6 119.4#
131 99.7 78.6 117.8





#53

Toluene

Concen: 0.073 ppbv

RT: 6.936 min Scan# 2114

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

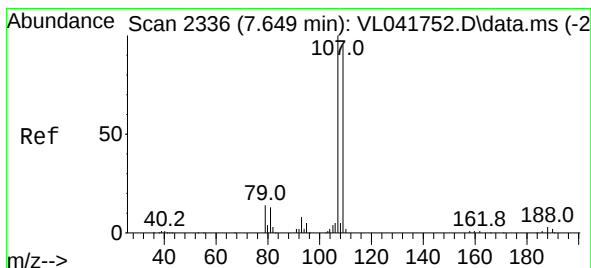
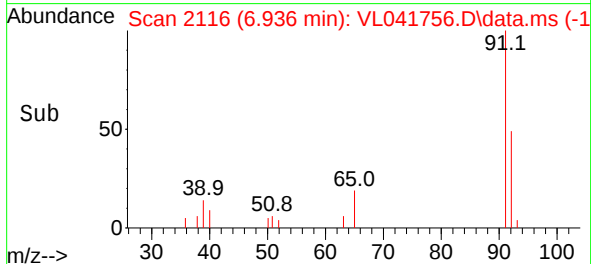
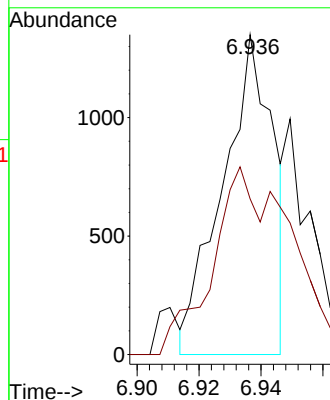
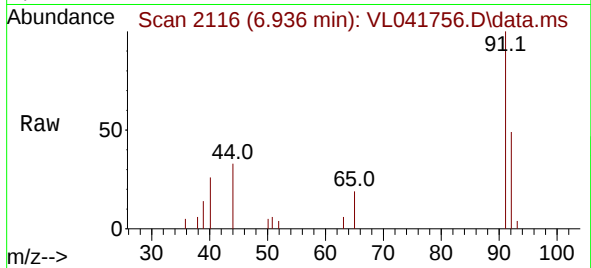
VSTDIC0.1

Tgt Ion: 91 Resp: 1529

Ion Ratio Lower Upper

91 100

92 92.8 47.9 71.9#



#54

1,2-Dibromoethane

Concen: 0.041 ppbv

RT: 7.658 min Scan# 2339

Delta R.T. 0.010 min

Lab File: VL041756.D

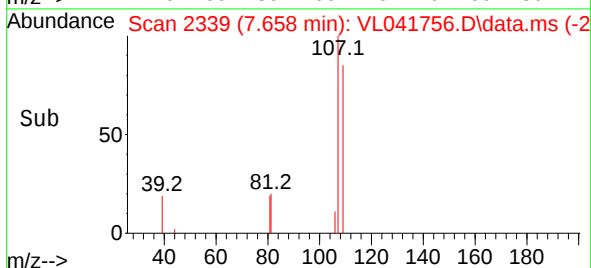
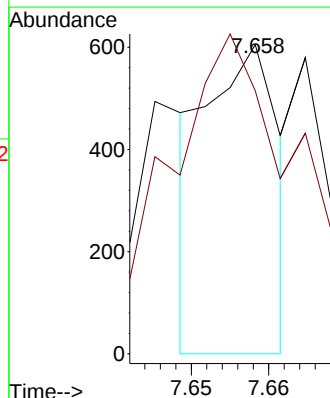
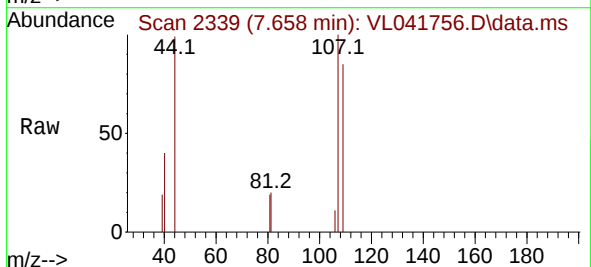
Acq: 16 Dec 2024 15:37

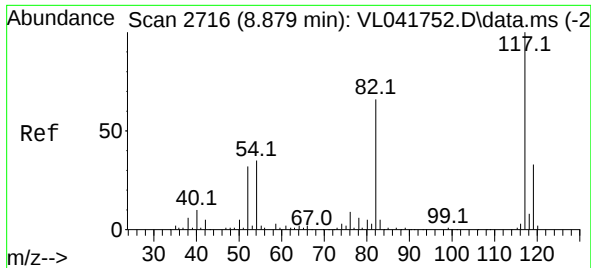
Tgt Ion:107 Resp: 396

Ion Ratio Lower Upper

107 100

109 96.6 75.9 113.9

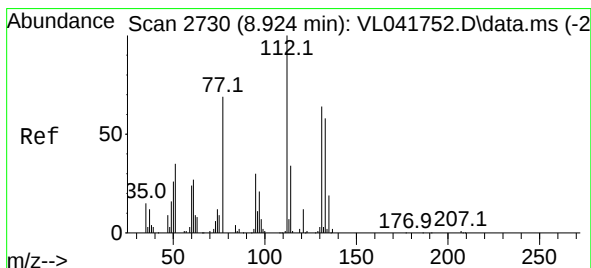
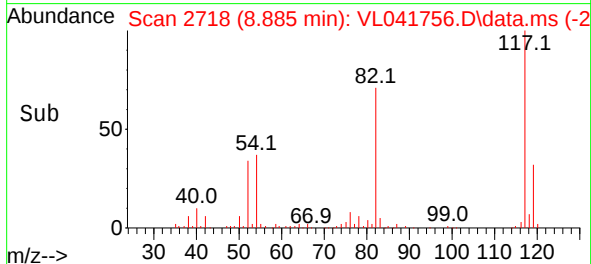
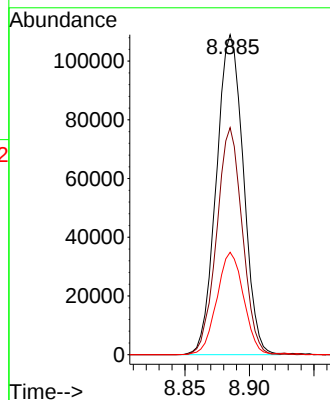
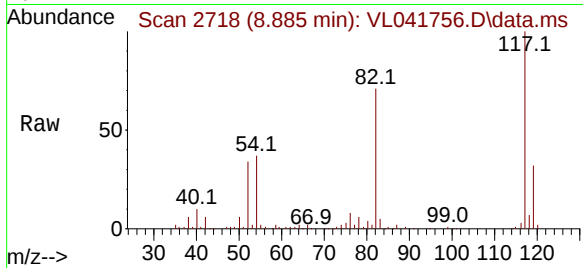




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2716
Delta R.T. 0.006 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

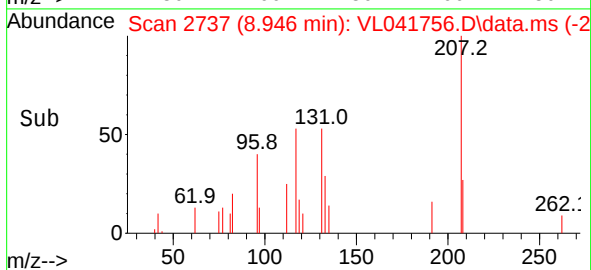
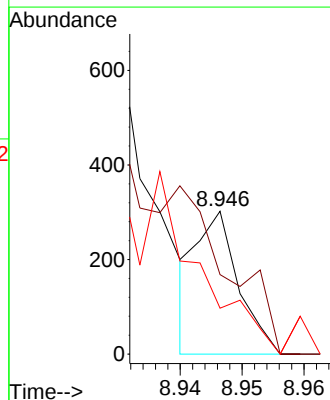
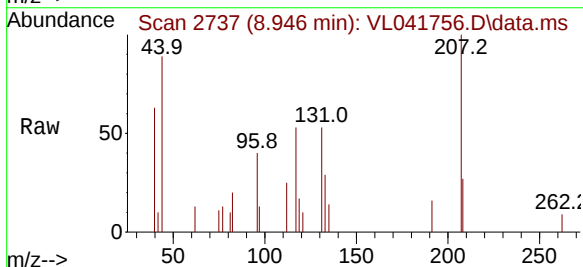
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

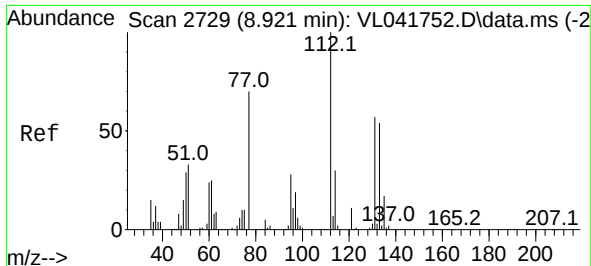
Tgt Ion:117 Resp: 158649
Ion Ratio Lower Upper
117 100
82 67.4 53.8 80.8
119 31.9 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 0.017 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.022 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion:131 Resp: 142
Ion Ratio Lower Upper
131 100
133 0.0 76.8 115.2#
119 0.0 49.0 73.6#





#57

Chlorobenzene

Concen: 0.129 ppbv

RT: 8.927 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

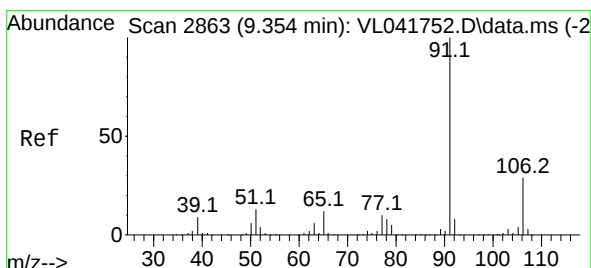
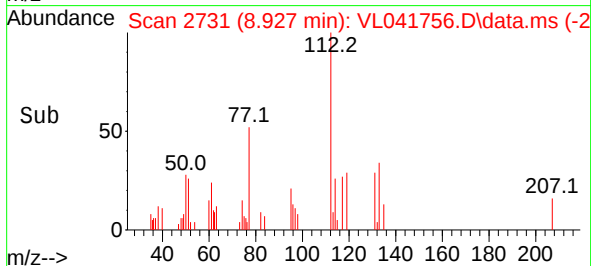
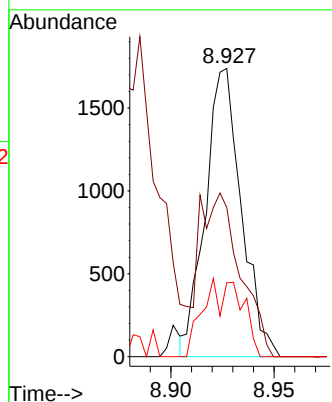
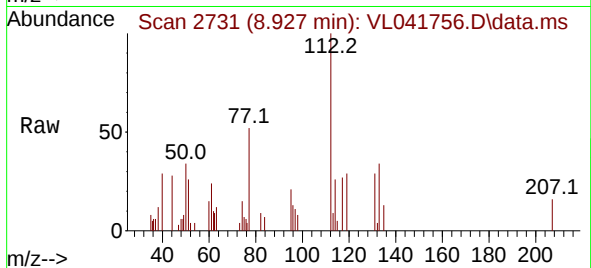
Tgt Ion:112 Resp: 2102

Ion Ratio Lower Upper

112 100

77 51.8 57.4 86.0#

114 25.6 27.4 33.4#



#58

Ethyl Benzene

Concen: 0.093 ppbv

RT: 9.357 min Scan# 2864

Delta R.T. 0.003 min

Lab File: VL041756.D

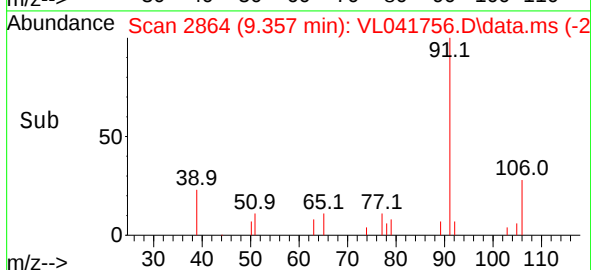
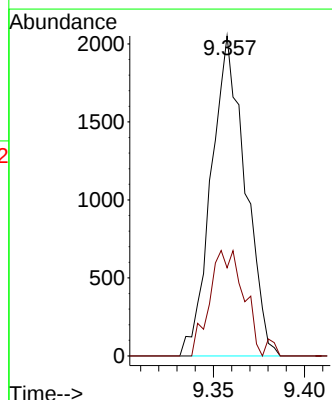
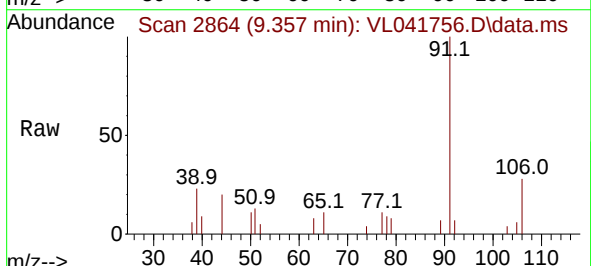
Acq: 16 Dec 2024 15:37

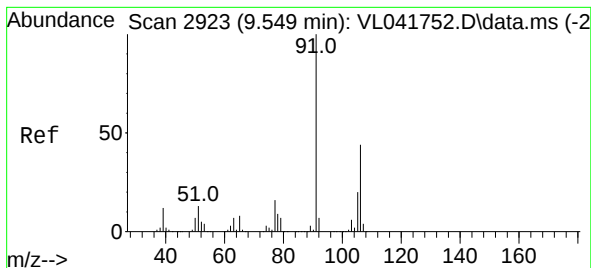
Tgt Ion: 91 Resp: 2667

Ion Ratio Lower Upper

91 100

106 27.5 23.5 35.3





#59

m/p-Xylene

Concen: 0.077 ppbv

RT: 9.555 min Scan# 2923

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

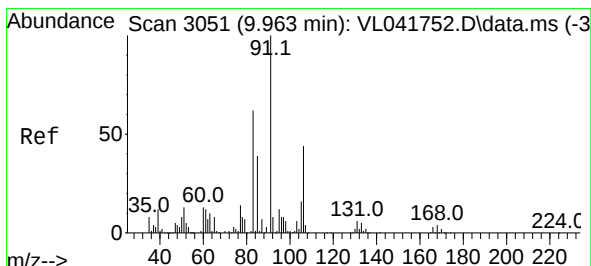
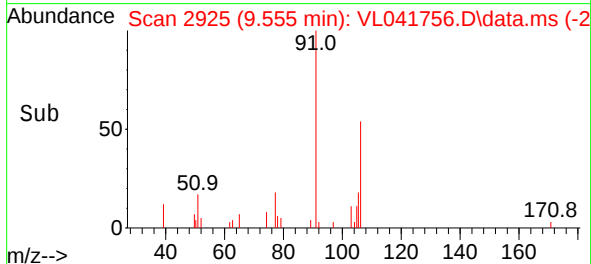
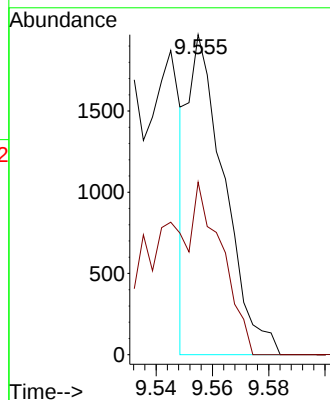
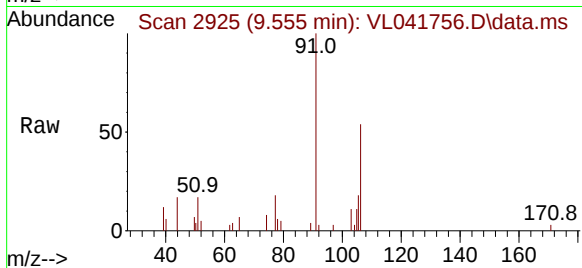
VSTDIC0.1

Tgt Ion: 91 Resp: 1768

Ion Ratio Lower Upper

91 100

106 110.7 0.0 0.0#



#60

o-Xylene

Concen: 0.087 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VL041756.D

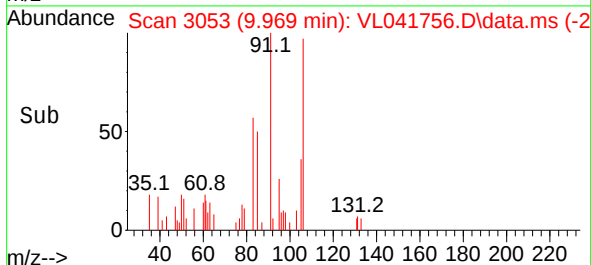
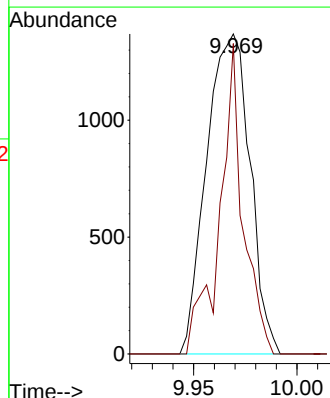
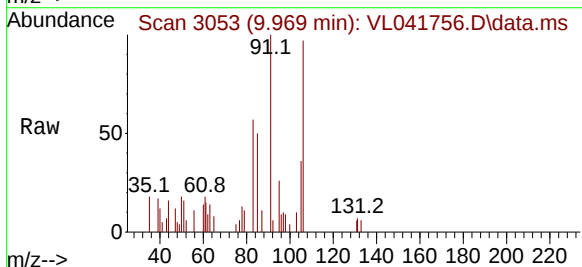
Acq: 16 Dec 2024 15:37

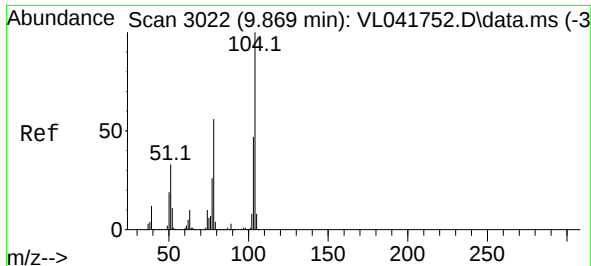
Tgt Ion: 91 Resp: 1998

Ion Ratio Lower Upper

91 100

106 52.4 21.1 63.4

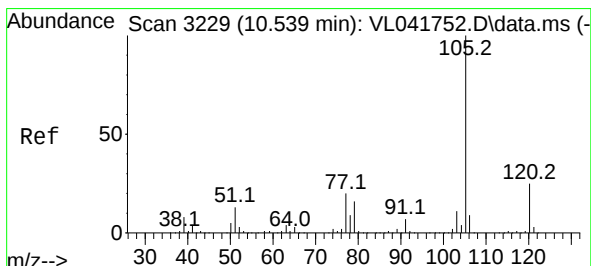
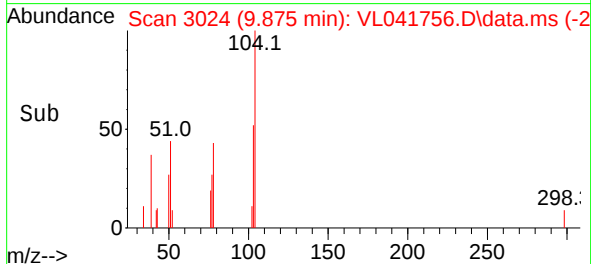
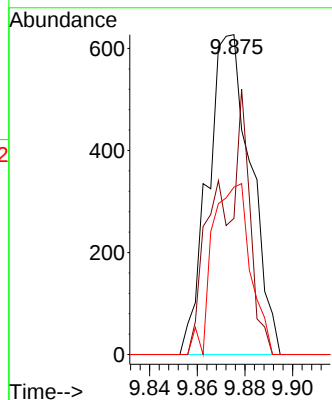
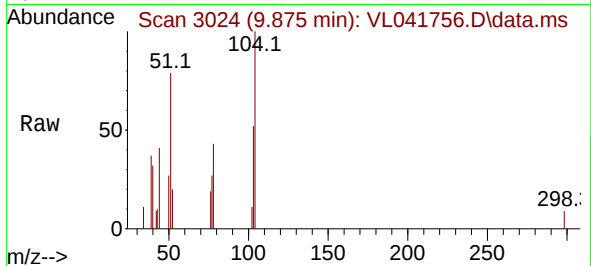




#61
Styrene
Concen: 0.079 ppbv
RT: 9.875 min Scan# 3022
Delta R.T. 0.006 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

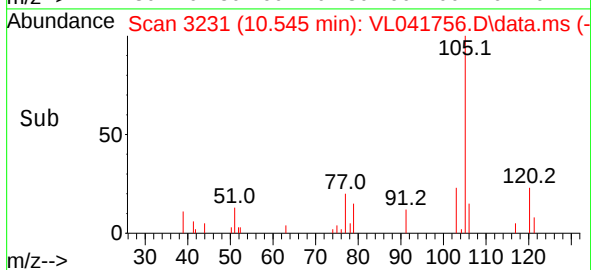
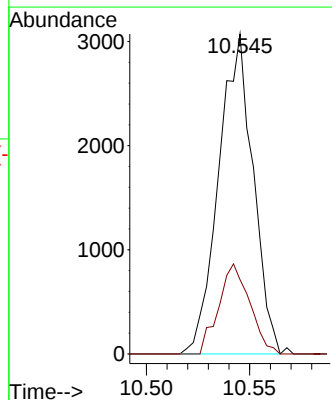
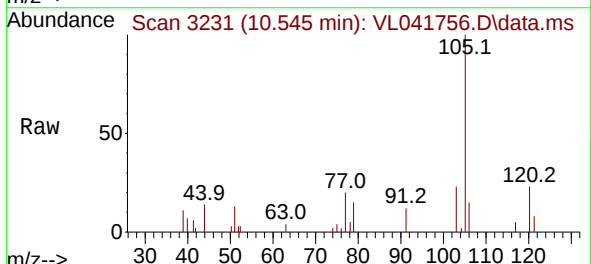
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

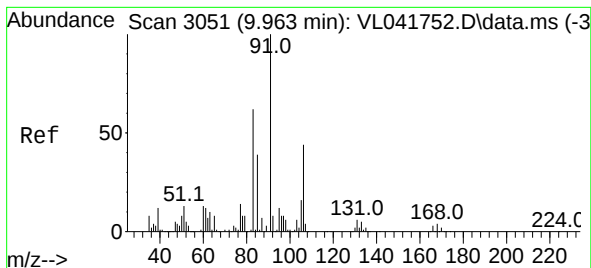
Tgt Ion:104 Resp: 785
Ion Ratio Lower Upper
104 100
78 59.5 43.8 65.6
103 47.1 37.8 56.6



#62
Isopropylbenzene
Concen: 0.103 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.006 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion:105 Resp: 3559
Ion Ratio Lower Upper
105 100
120 25.5 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 0.041 ppbv

RT: 9.972 min Scan# 3051

Delta R.T. 0.010 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

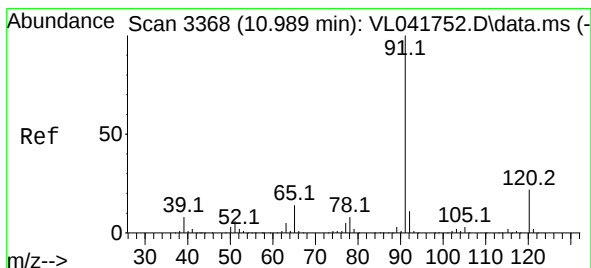
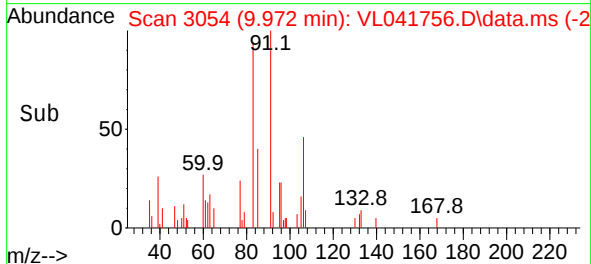
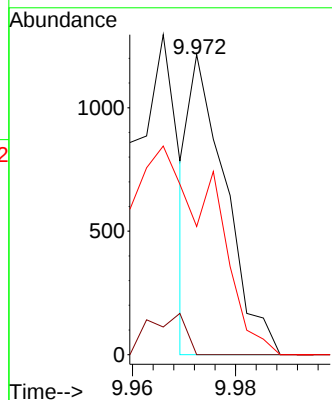
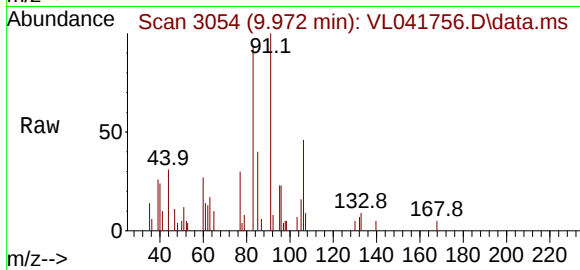
Tgt Ion: 83 Resp: 592

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.0 96.2#



#64

n-propylbenzene

Concen: 0.086 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. -0.000 min

Lab File: VL041756.D

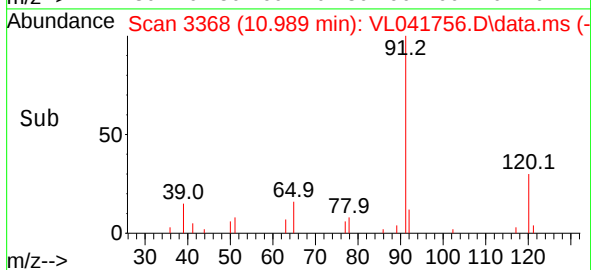
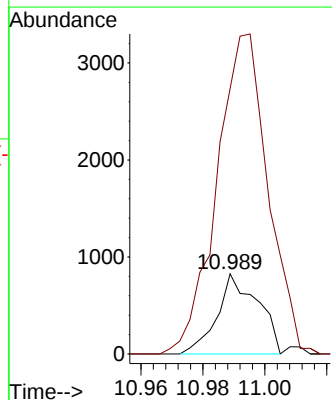
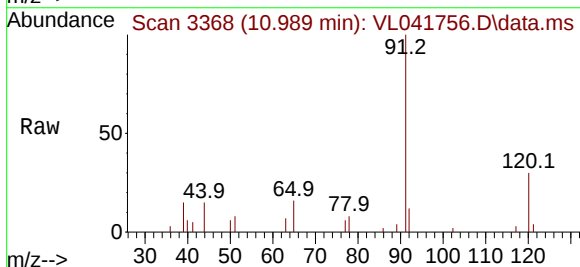
Acq: 16 Dec 2024 15:37

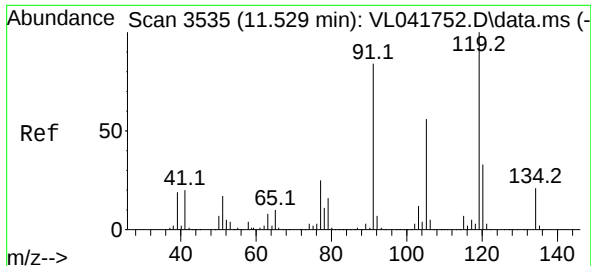
Tgt Ion: 120 Resp: 754

Ion Ratio Lower Upper

120 100

91 502.7 387.3 580.9





#65

tert-Butylbenzene

Concen: 0.092 ppbv

RT: 11.533 min Scan# 3536

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

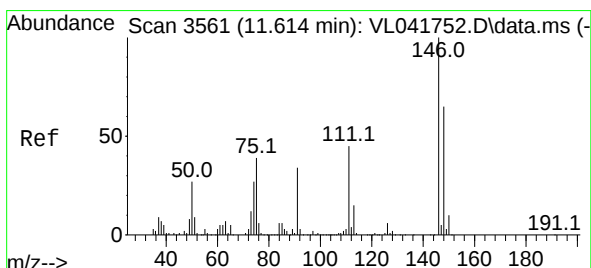
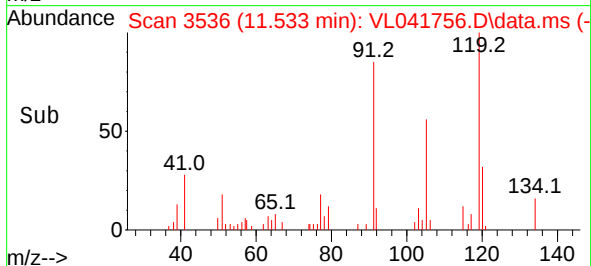
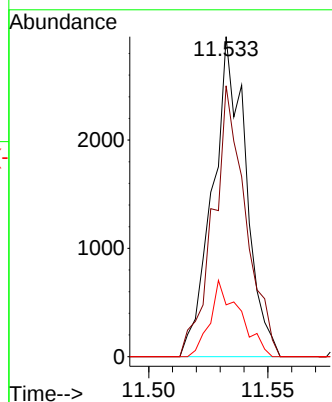
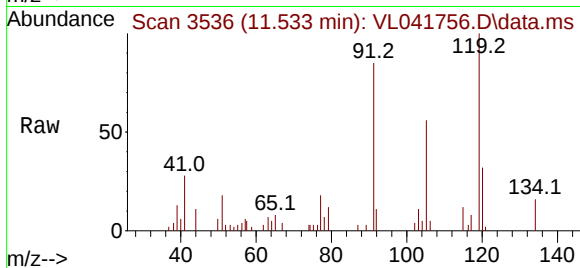
Tgt Ion:119 Resp: 2861

Ion Ratio Lower Upper

119 100

91 83.0 67.0 100.4

134 21.4 16.5 24.7



#66

Benzyl Chloride

Concen: 0.056 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

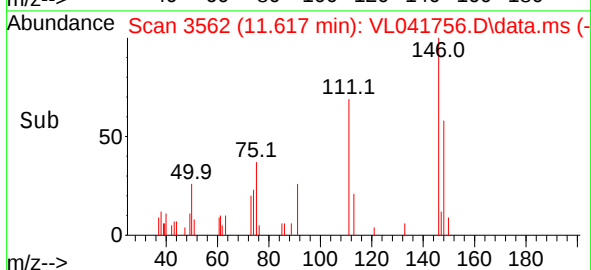
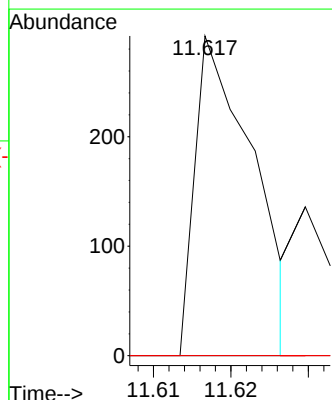
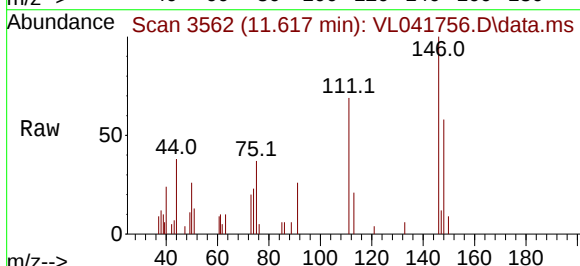
Tgt Ion: 91 Resp: 154

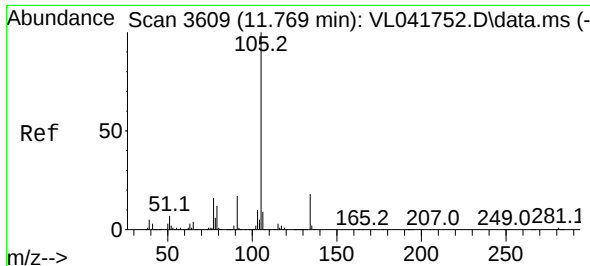
Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

128 0.0 4.4 6.6#





#67

sec-Butylbenzene

Concen: 0.094 ppbv

RT: 11.772 min Scan# 3610

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

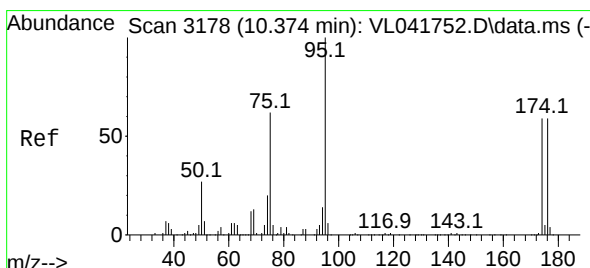
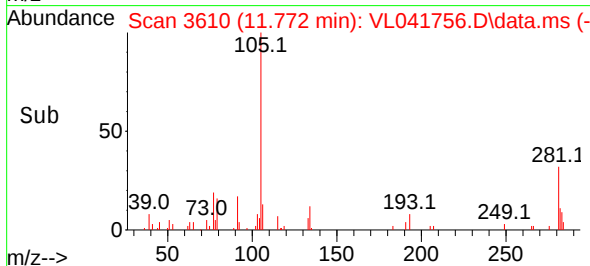
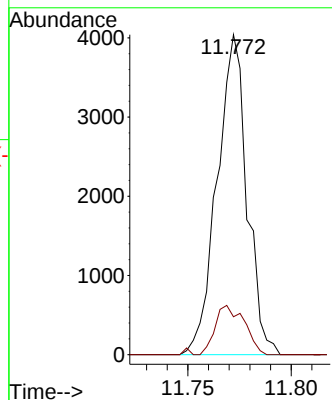
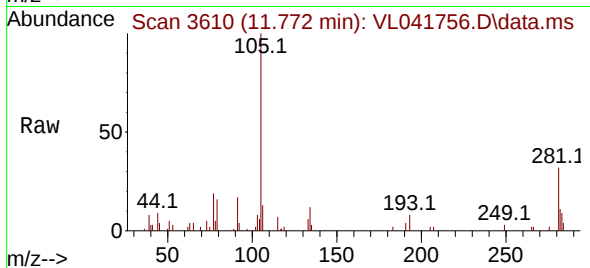
VSTDIC0.1

Tgt Ion:105 Resp: 4061

Ion Ratio Lower Upper

105 100

134 15.5 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.950 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

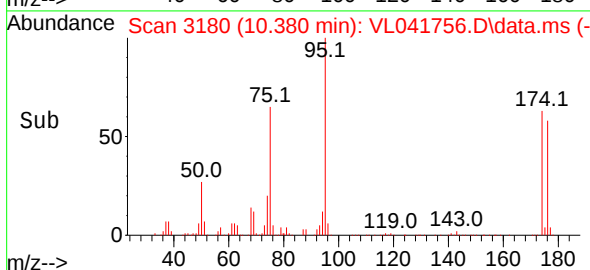
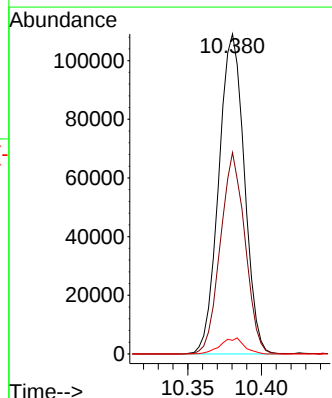
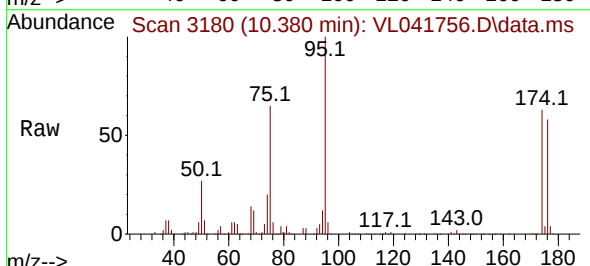
Tgt Ion: 95 Resp: 131540

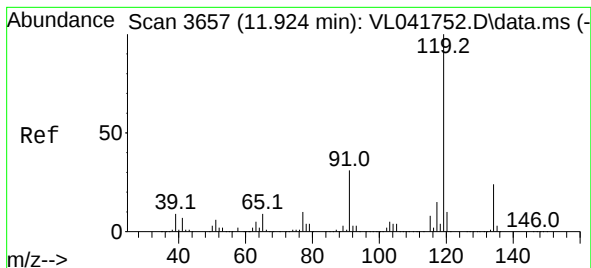
Ion Ratio Lower Upper

95 100

174 60.6 47.6 71.4

175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.086 ppbv

RT: 11.927 min Scan# 3658

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

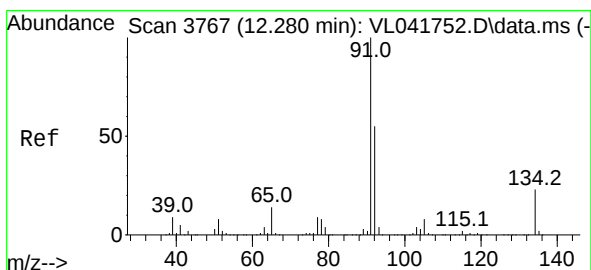
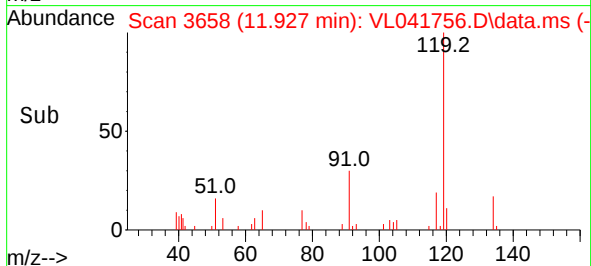
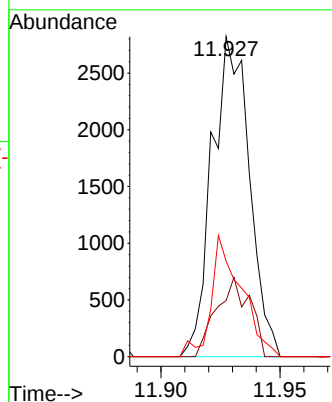
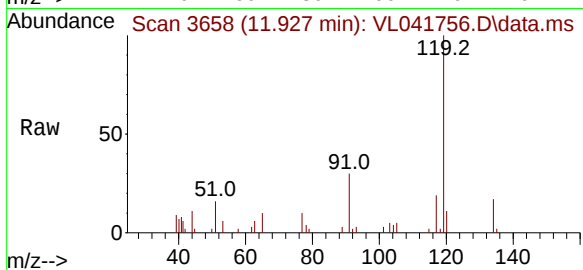
Tgt Ion:119 Resp: 3070

Ion Ratio Lower Upper

119 100

134 22.1 19.6 29.4

91 30.7 24.4 36.6



#70

n-Butylbenzene

Concen: 0.082 ppbv

RT: 12.283 min Scan# 3768

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

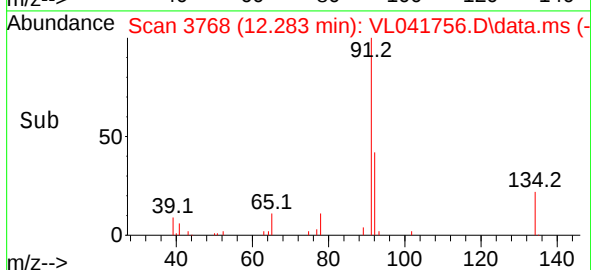
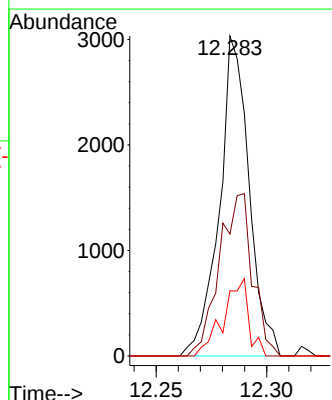
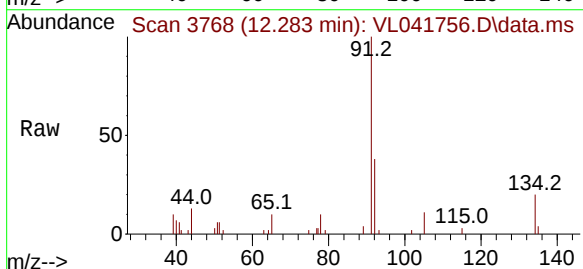
Tgt Ion: 91 Resp: 2829

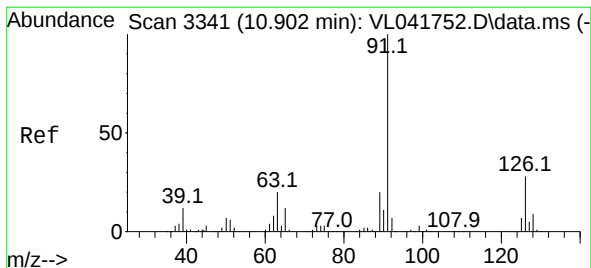
Ion Ratio Lower Upper

91 100

92 56.9 43.2 64.8

134 20.7 18.2 27.4





#71

2-Chlorotoluene

Concen: 0.103 ppbv

RT: 10.905 min Scan# 3410

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

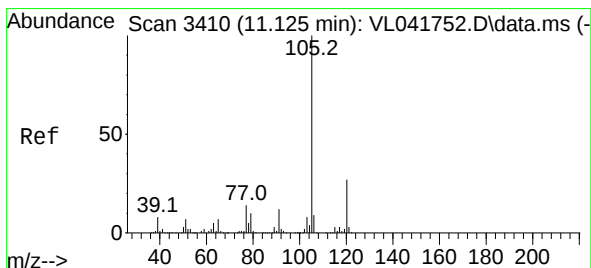
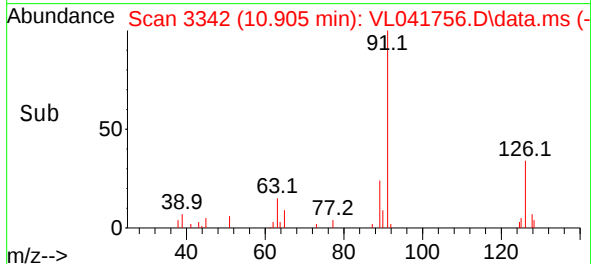
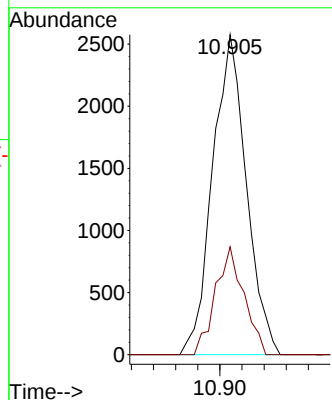
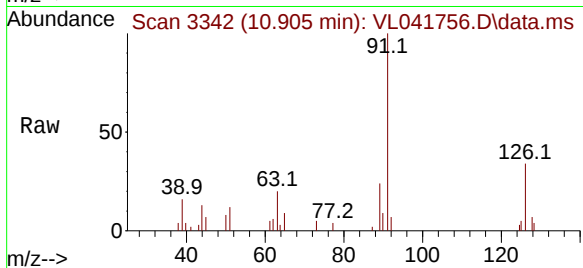
VSTDIC0.1

Tgt Ion: 91 Resp: 2731

Ion Ratio Lower Upper

91 100

126 28.3 11.6 46.4



#72

4-Ethyltoluene

Concen: 0.081 ppbv

RT: 11.125 min Scan# 3410

Delta R.T. -0.000 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Tgt Ion: 105 Resp: 2197

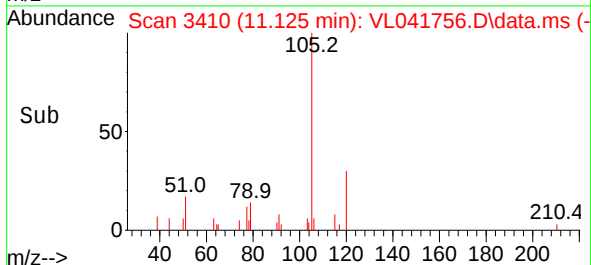
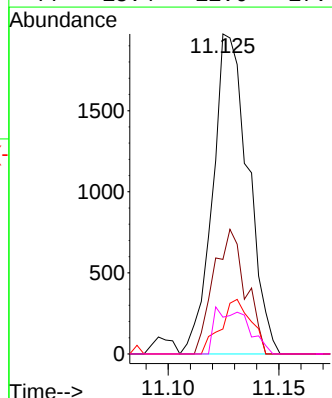
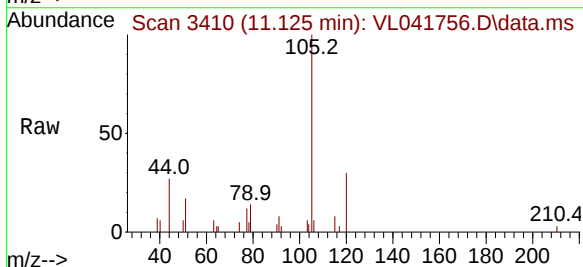
Ion Ratio Lower Upper

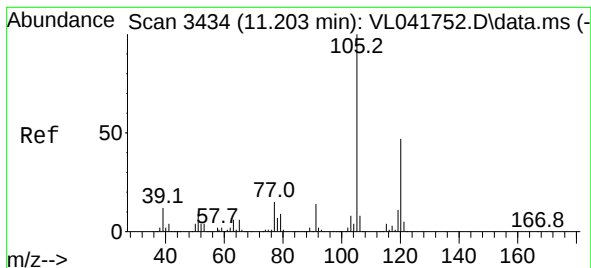
105 100

120 35.4 23.3 34.9#

91 14.6 10.9 16.3

77 13.4 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 0.092 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

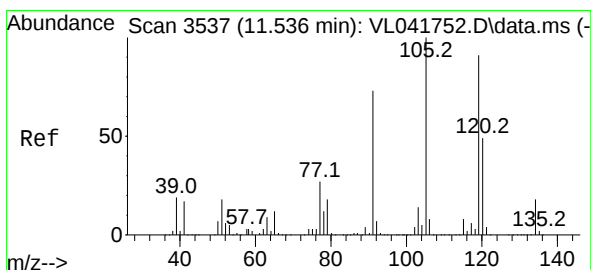
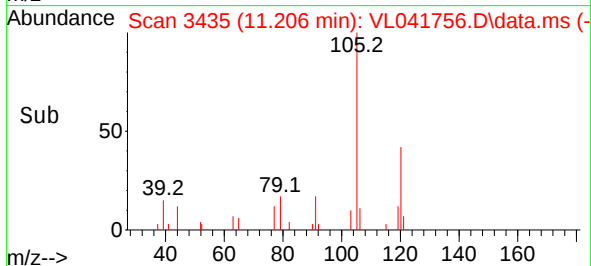
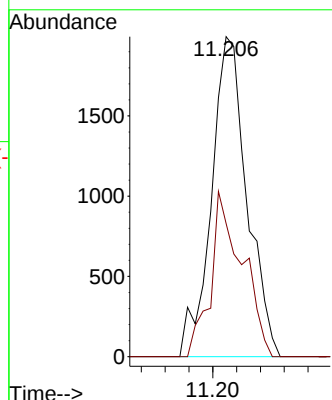
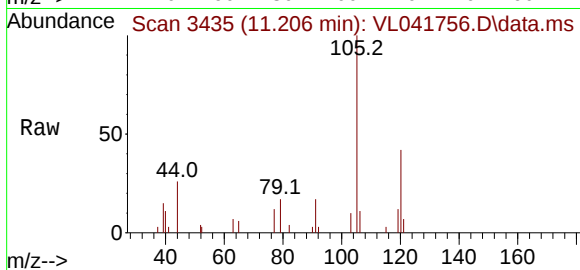
VSTDIC0.1

Tgt Ion:105 Resp: 2072

Ion Ratio Lower Upper

105 100

120 41.6 37.4 56.2



#74

1,2,4-Trimethylbenzene

Concen: 0.090 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Tgt Ion:105 Resp: 2190

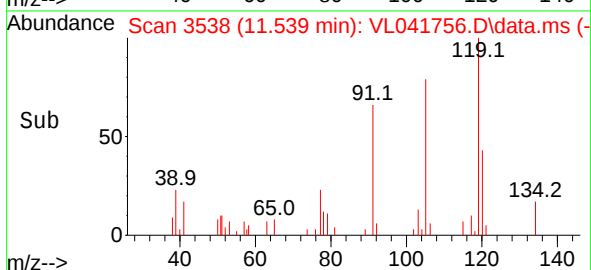
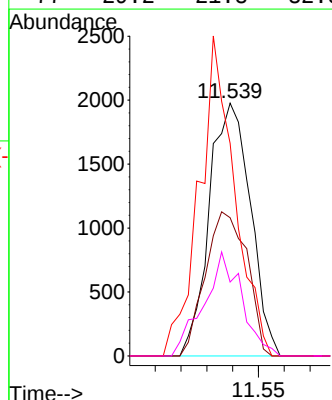
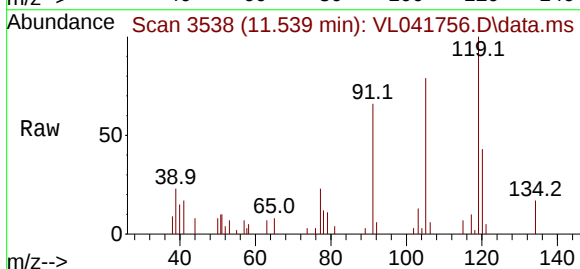
Ion Ratio Lower Upper

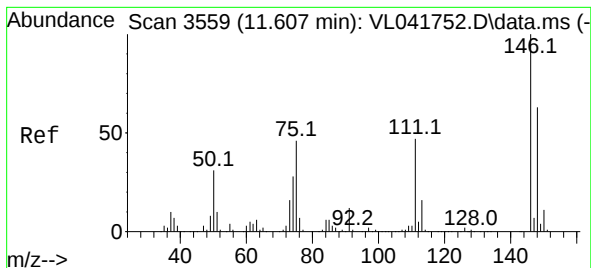
105 100

120 54.7 39.0 58.4

91 84.1 58.1 87.1

77 29.2 21.8 32.8





#75

1,3-Dichlorobenzene

Concen: 0.119 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.000 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

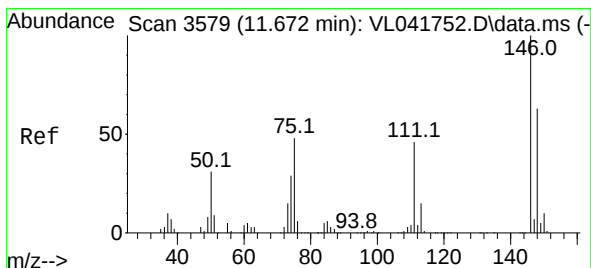
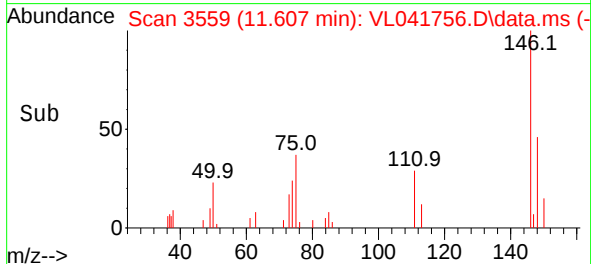
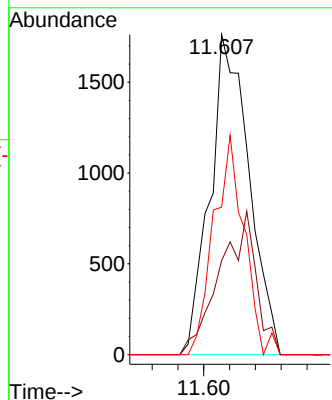
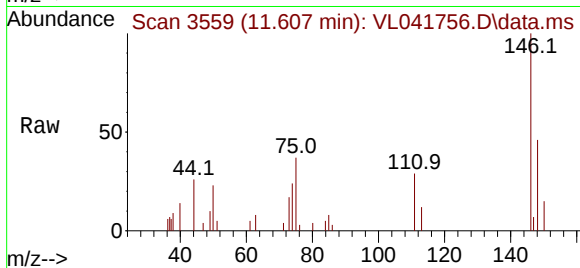
Tgt Ion:146 Resp: 1843

Ion Ratio Lower Upper

146 100

111 41.8 23.4 70.3

148 53.5 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 0.104 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

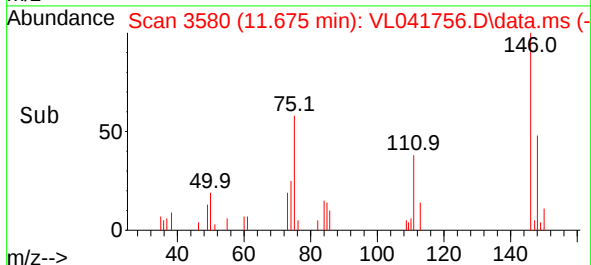
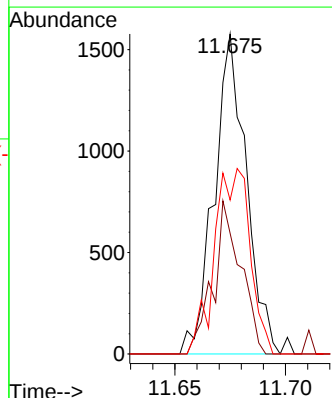
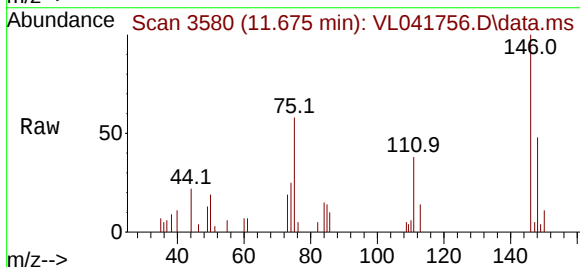
Tgt Ion:146 Resp: 1590

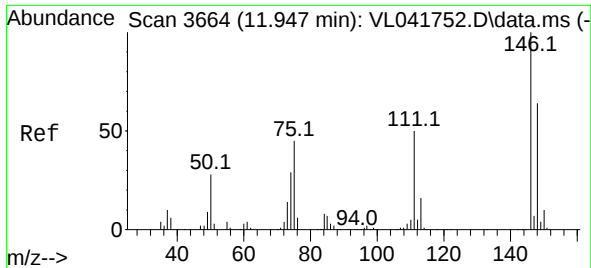
Ion Ratio Lower Upper

146 100

111 41.1 22.7 68.1

148 64.4 31.4 94.0

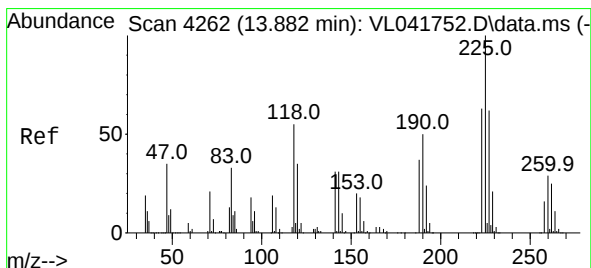
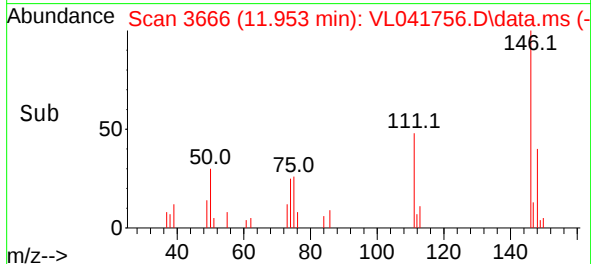
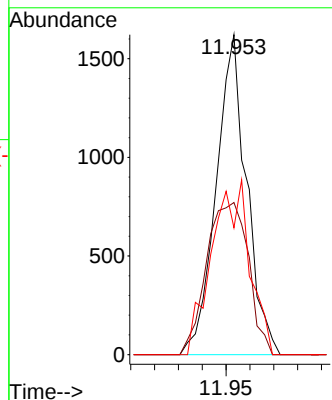
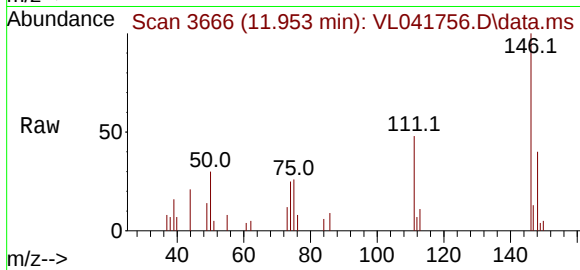




#77
1,2-Dichlorobenzene
Concen: 0.097 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.006 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

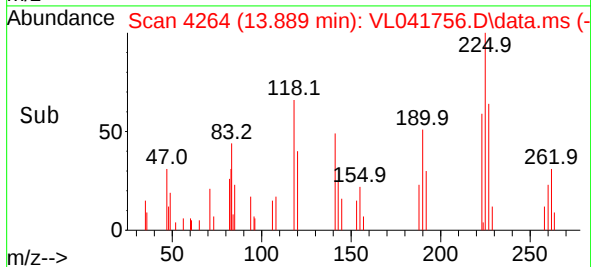
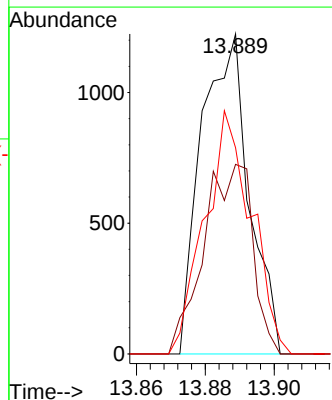
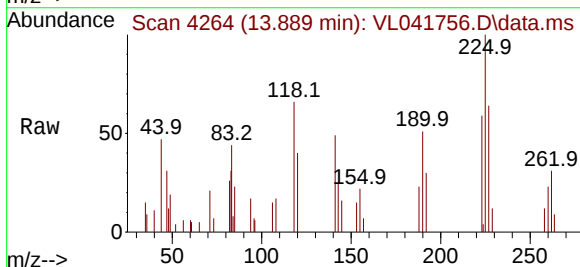
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

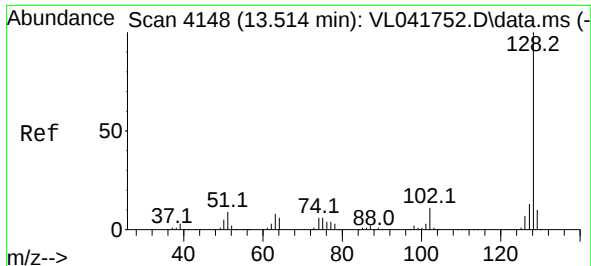
Tgt Ion:146 Resp: 1439
Ion Ratio Lower Upper
146 100
111 65.5 24.8 74.3
148 67.1 31.8 95.4



#78
Hexachloro-1,3-Butadiene
Concen: 0.106 ppbv
RT: 13.889 min Scan# 4264
Delta R.T. 0.006 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion:225 Resp: 1172
Ion Ratio Lower Upper
225 100
223 61.4 50.5 75.7
227 74.2 50.3 75.5





#79

Naphthalene

Concen: 0.071 ppbv

RT: 13.523 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

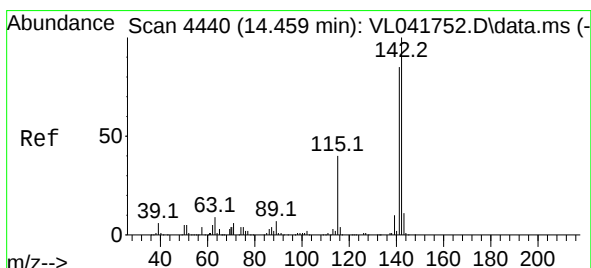
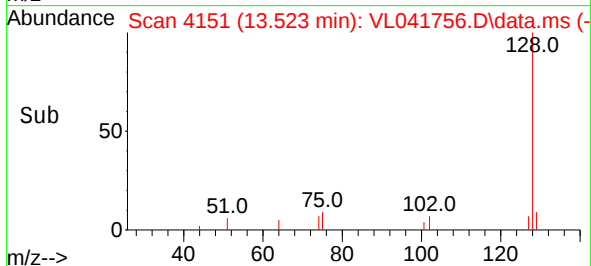
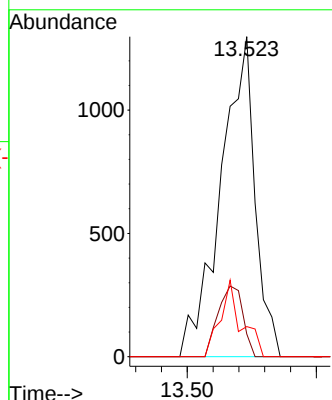
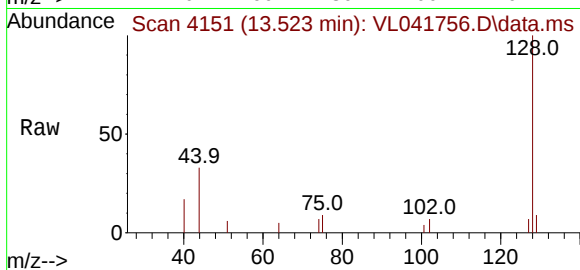
Tgt Ion:128 Resp: 1196

Ion Ratio Lower Upper

128 100

127 7.1 10.7 16.1#

129 9.4 8.2 12.4



#80

Naphthalene,2-methyl-

Concen: 0.024 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. 0.010 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

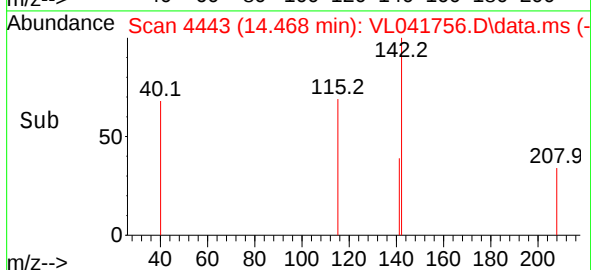
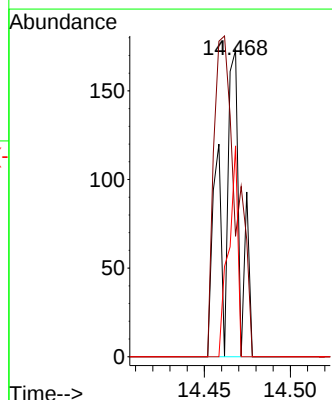
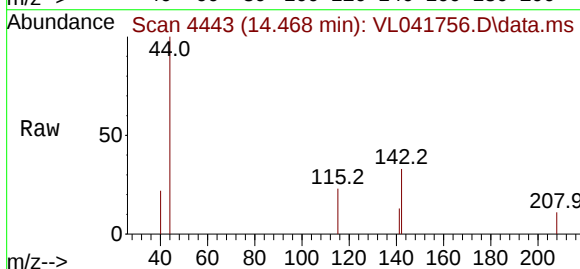
Tgt Ion:142 Resp: 124

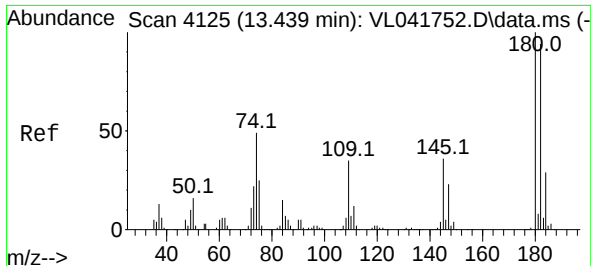
Ion Ratio Lower Upper

142 100

141 131.5 68.4 102.6#

115 36.3 32.5 48.7





#81

1,2,4-Trichlorobenzene

Concen: 0.101 ppbv

RT: 13.439 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041756.D

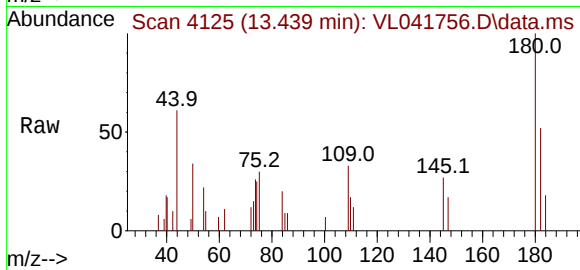
Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:180 Resp: 931

Ion Ratio Lower Upper

180 100

182 94.5 77.0 115.6

184 30.2 23.8 35.8

