

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041725\
 Data File : VL042353.D
 Acq On : 17 Apr 2025 11:50
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Apr 18 01:29:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 01:24:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	119461	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	350484	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	315004	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.381	95	256417	9.906	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	2857	0.135	ppbv	98
3) Chlorodifluoromethane	1.477	51	2706	0.135	ppbv #	91
4) Chloromethane	1.535	50	1225	0.147	ppbv #	85
5) Vinyl Chloride	1.580	62	1088	0.120	ppbv #	74
6) Bromomethane	1.668	94	663	0.168	ppbv #	72
7) Chloroethane	1.703	64	579	0.176	ppbv #	78
8) Dichlorotetrafluoroethane	1.557	85	2377	0.131	ppbv	94
9) Propene	1.435	41	314	0.034	ppbv	90
10) Heptane	4.988	43	1056	0.043	ppbv #	1
12) 1,1,2-Trichlorotrifluo...	2.140	101	2017	0.123	ppbv	94
13) Ethanol	1.891	45	1958	2.618	ppbv #	24
14) Bromoethene	1.781	108	1015	0.164	ppbv #	77
15) Acetone	1.839	43	4783	0.245	ppbv #	82
16) 1,3-Butadiene	1.609	39	1776	0.193	ppbv #	46
17) tert-Butyl alcohol	2.049	59	3130	0.129	ppbv #	6
18) 1,1-Dichloroethene	2.037	96	1074	0.136	ppbv	85
19) Isopropyl Alcohol	1.891	45	1958	0.180	ppbv	90
20) Methylene Chloride	2.066	84	2741	0.358	ppbv #	74
21) Allyl Chloride	2.098	41	2786	0.206	ppbv #	72
22) trans-1,2-Dichloroethene	2.347	96	1201	0.138	ppbv #	60
23) Vinyl Acetate	2.457	43	326	0.041	ppbv #	77
24) 1,1-Dichloroethane	2.412	63	2169	0.131	ppbv #	78
26) Hexane	2.833	57	3260	0.167	ppbv #	1
27) Carbon Disulfide	2.150	76	2396	0.115	ppbv #	1
28) Methyl tert-Butyl Ether	2.448	73	1460	0.114	ppbv #	1
29) Chloroform	2.849	83	3542	0.128	ppbv	100
30) Cyclohexane	3.859	84	1037	0.066	ppbv #	1
32) 1,1,1-Trichloroethane	3.373	97	1734	0.059	ppbv #	20
34) 2-Butanone	2.564	43	3506	0.126	ppbv #	79
35) Carbon Tetrachloride	3.771	117	3204	0.101	ppbv #	94
36) Benzene	3.665	78	4424	0.117	ppbv	97
37) 1,2-Dichloroethane	3.224	62	2523	0.111	ppbv #	81
38) Trichloroethene	4.551	130	1113	0.067	ppbv #	63
39) 1,2-Dichloropropane	4.315	63	1007	0.071	ppbv	96
40) 1,4-Dioxane	4.616	88	431	0.056	ppbv #	1
42) Bromodichloromethane	4.496	83	2443	0.077	ppbv #	89
43) Methyl Methacrylate	4.894	69	1683	0.099	ppbv #	60
44) 2,2,4-Trimethylpentane	4.648	57	2115	0.032	ppbv #	42
45) t-1,3-Dichloropropene	6.429	75	748	0.043	ppbv	98
46) cis-1,3-Dichloropropene	5.610	75	1032	0.048	ppbv	90
47) 1,1,2-Trichloroethane	6.584	97	540	0.038	ppbv #	39
48) Dibromochloromethane	7.393	129	1149	0.045	ppbv #	1
49) Bromoform	9.484	173	1973	0.089	ppbv #	86

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 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

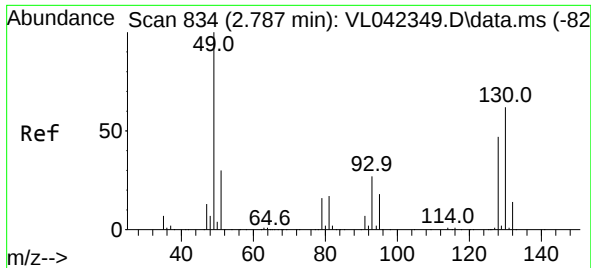
Quant Time: Apr 18 01:29:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 01:24:29 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
51) 2-Hexanone	7.455	43	4915	0.118	ppbv	#	99
52) Tetrachloroethene	8.222	164	957	0.065	ppbv		88
54) 1,2-Dibromoethane	7.662	107	1470	0.072	ppbv	#	75
56) 1,1,1,2-Tetrachloroethane	8.934	131	2031	0.107	ppbv	#	47
57) Chlorobenzene	8.924	112	3842	0.117	ppbv	#	76
58) Ethyl Benzene	9.361	91	3105	0.050	ppbv		95
59) m/p-Xylene	9.552	91	4844	0.096	ppbv	#	32
60) o-Xylene	9.970	91	5359	0.106	ppbv		91
61) Styrene	9.872	104	1549	0.064	ppbv	#	26
62) Isopropylbenzene	10.542	105	8285	0.111	ppbv		97
63) 1,1,2,2-Tetrachloroethane	9.966	83	3646	0.111	ppbv		97
64) n-propylbenzene	10.996	120	2186	0.117	ppbv		93
65) tert-Butylbenzene	11.536	119	8656	0.127	ppbv		85
66) Benzyl Chloride	11.617	91	414	0.055	ppbv	#	81
67) sec-Butylbenzene	11.769	105	11126	0.117	ppbv		96
69) p-Isopropyltoluene	11.928	119	9534	0.115	ppbv		98
70) n-Butylbenzene	12.284	91	8684	0.101	ppbv		96
71) 2-Chlorotoluene	10.905	91	6703	0.115	ppbv		99
72) 4-Ethyltoluene	11.128	105	6463	0.104	ppbv	#	80
73) 1,3,5-Trimethylbenzene	11.206	105	6797	0.124	ppbv		96
74) 1,2,4-Trimethylbenzene	11.539	105	8745	0.137	ppbv	#	81
75) 1,3-Dichlorobenzene	11.610	146	3258	0.098	ppbv		85
76) 1,4-Dichlorobenzene	11.678	146	3366	0.101	ppbv		92
77) 1,2-Dichlorobenzene	11.950	146	3996	0.124	ppbv		93
78) Hexachloro-1,3-Butadiene	13.883	225	4030	0.124	ppbv		97
79) Naphthalene	13.517	128	7664	0.100	ppbv	#	92
80) Naphthalene,2-methyl-	14.468	142	3339	0.077	ppbv	#	92
81) 1,2,4-Trichlorobenzene	13.442	180	2245	0.069	ppbv	#	95

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

Quant Time: Apr 18 01:29:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Apr 18 01:24:29 2025
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.791 min Scan# 81

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

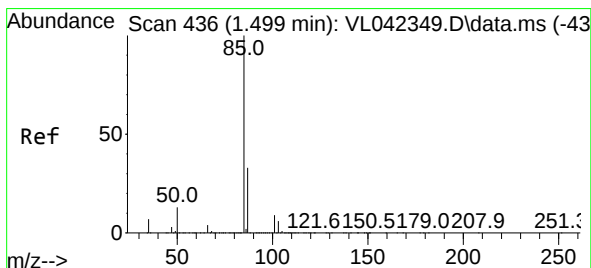
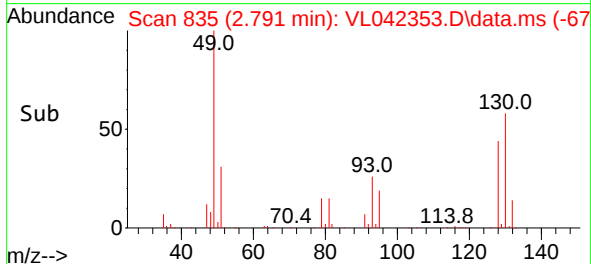
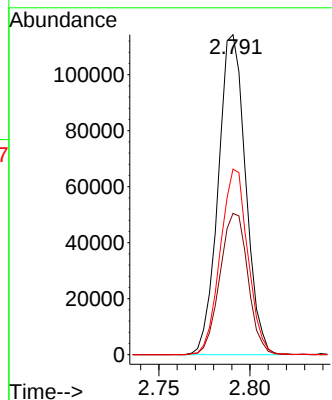
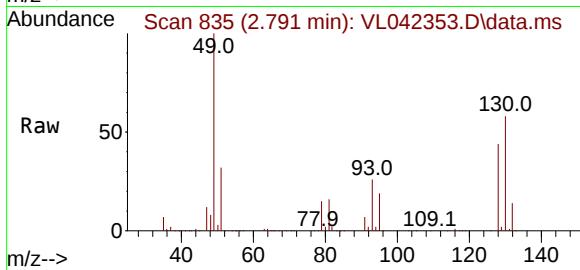
Tgt Ion: 49 Resp: 119461

Ion Ratio Lower Upper

49 100

128 45.3 22.8 68.4

130 58.3 29.3 88.0



#2

Dichlorodifluoromethane

Concen: 0.135 ppbv

RT: 1.499 min Scan# 436

Delta R.T. 0.000 min

Lab File: VL042353.D

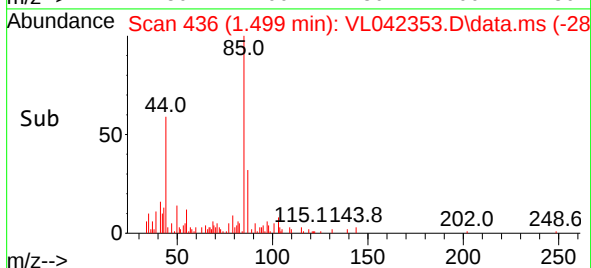
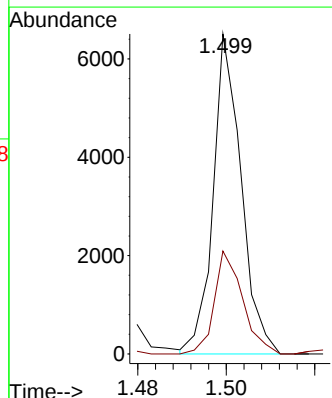
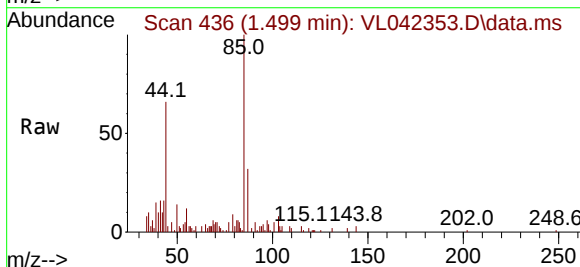
Acq: 17 Apr 2025 11:50

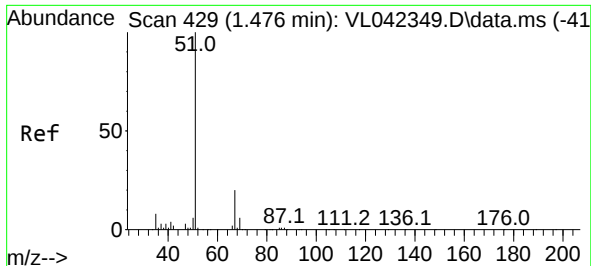
Tgt Ion: 85 Resp: 2857

Ion Ratio Lower Upper

85 100

87 32.2 26.6 39.8

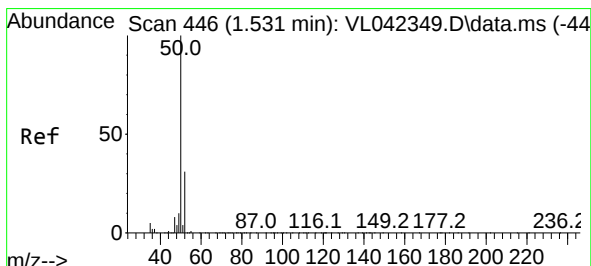
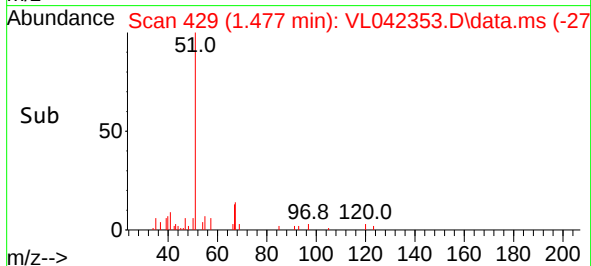
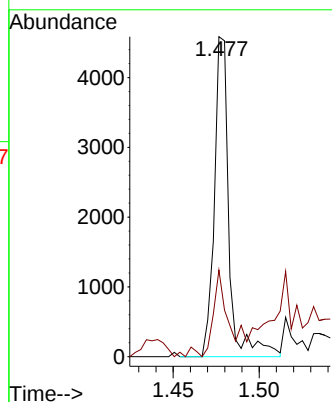
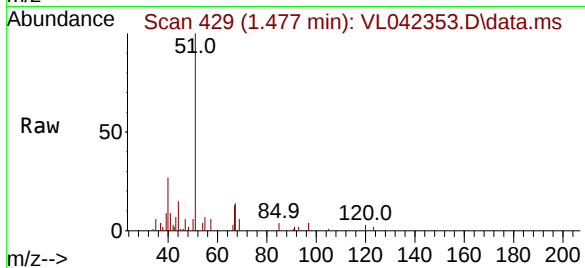




#3
Chlorodifluoromethane
Concen: 0.135 ppbv
RT: 1.477 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

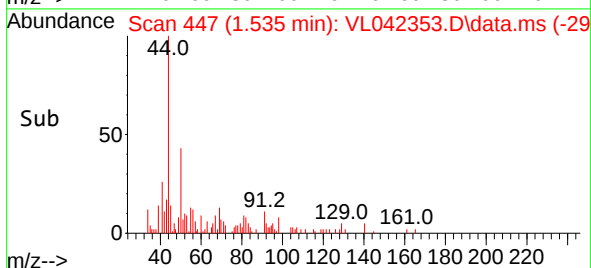
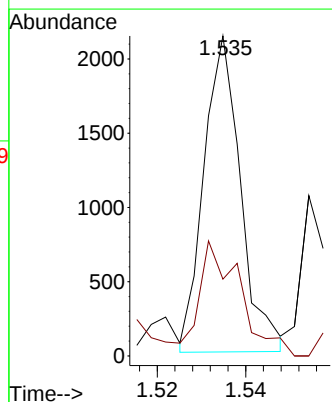
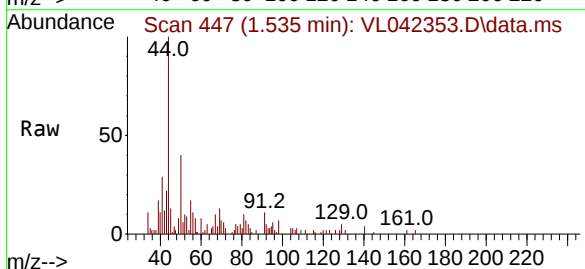
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

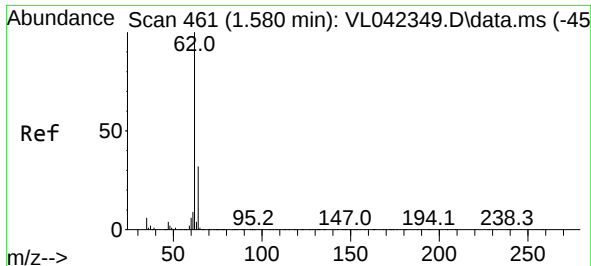
Tgt Ion: 51 Resp: 2706
Ion Ratio Lower Upper
51 100
67 24.5 16.2 24.4#



#4
Chloromethane
Concen: 0.147 ppbv
RT: 1.535 min Scan# 447
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 50 Resp: 1225
Ion Ratio Lower Upper
50 100
52 22.9 24.7 37.1#

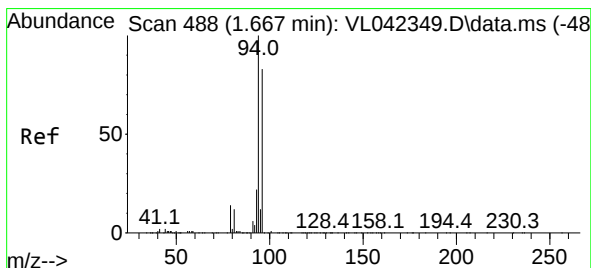
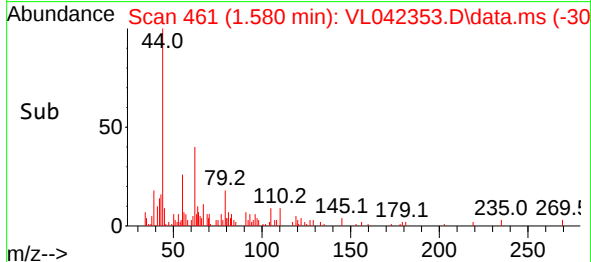
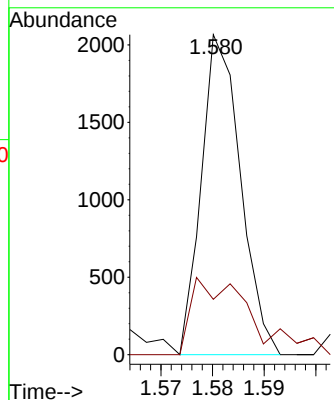
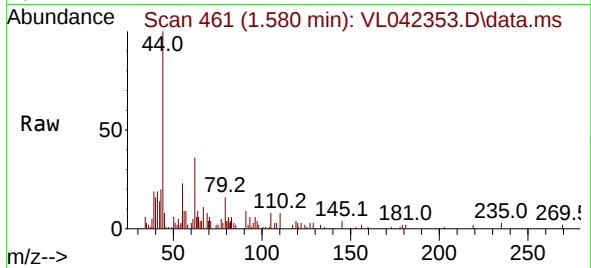




#5
 Vinyl Chloride
 Concen: 0.120 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042353.D
 Acq: 17 Apr 2025 11:50

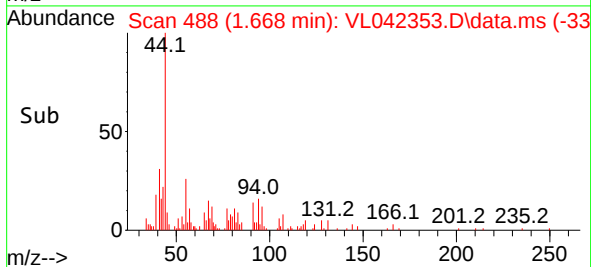
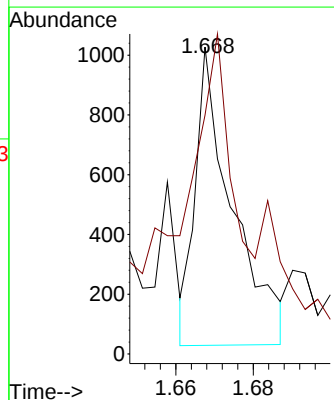
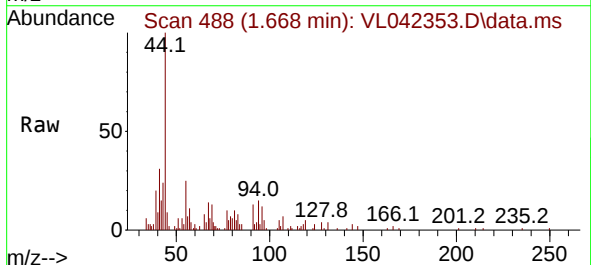
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

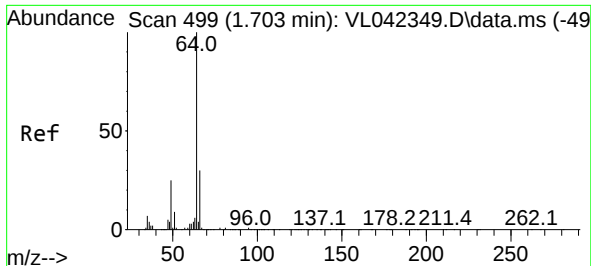
Tgt Ion: 62 Resp: 1088
 Ion Ratio Lower Upper
 62 100
 64 17.3 25.4 38.0#



#6
 Bromomethane
 Concen: 0.168 ppbv
 RT: 1.668 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042353.D
 Acq: 17 Apr 2025 11:50

Tgt Ion: 94 Resp: 663
 Ion Ratio Lower Upper
 94 100
 96 57.5 66.2 99.2#

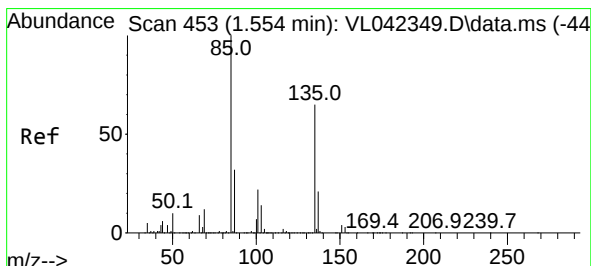
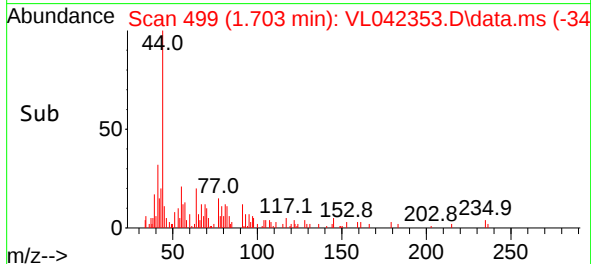
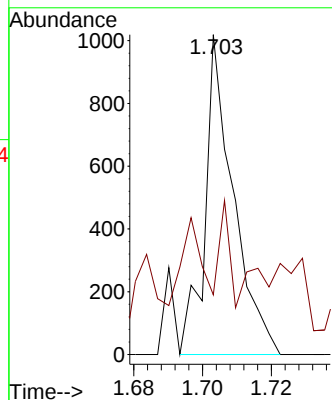
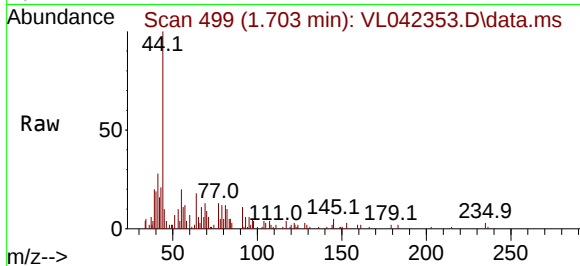




#7
Chloroethane
Concen: 0.176 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

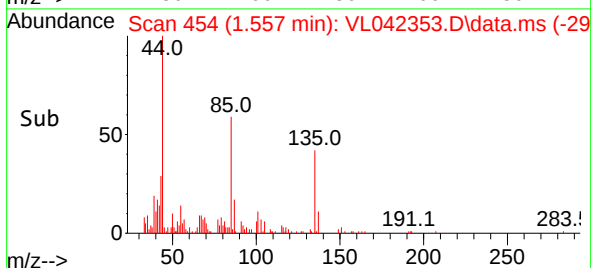
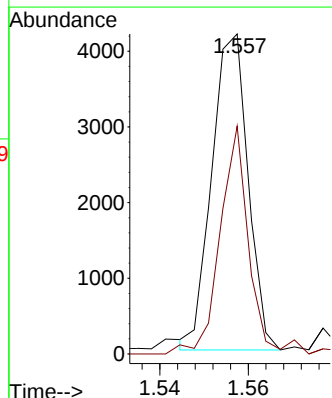
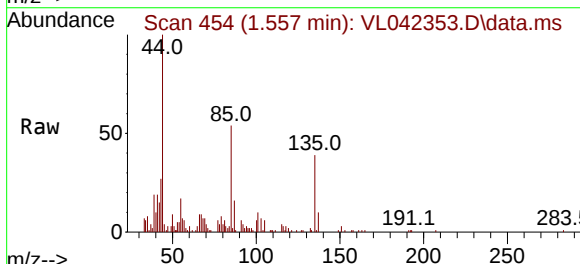
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

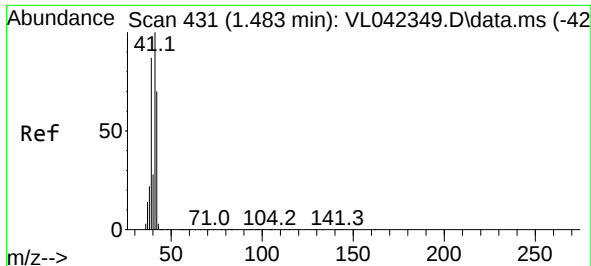
Tgt Ion: 64 Resp: 579
Ion Ratio Lower Upper
64 100
66 18.6 24.6 37.0#



#8
Dichlorotetrafluoroethane
Concen: 0.131 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 85 Resp: 2377
Ion Ratio Lower Upper
85 100
135 60.3 52.2 78.2





#9

Propene

Concen: 0.034 ppbv

RT: 1.435 min Scan# 41

Delta R.T. -0.048 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

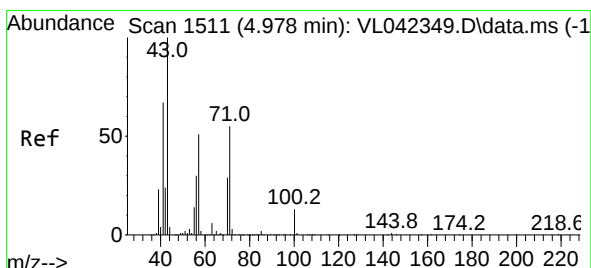
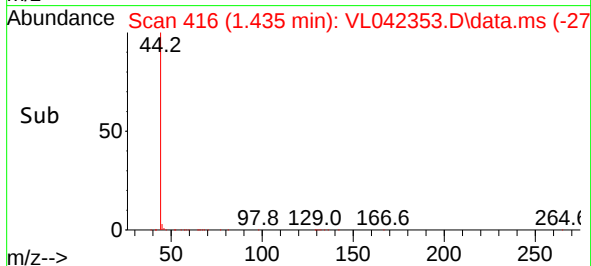
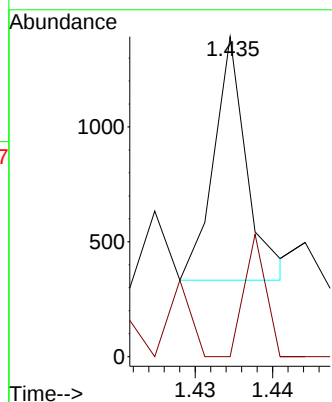
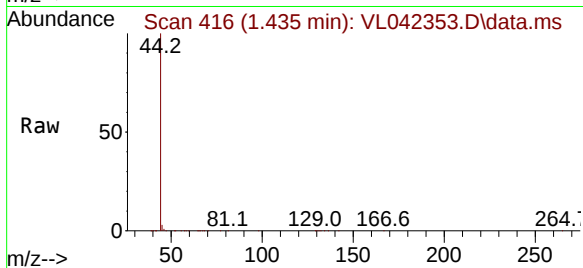
VSTDIC0.1

Tgt Ion: 41 Resp: 314

Ion Ratio Lower Upper

41 100

42 78.7 56.2 84.4



#10

Heptane

Concen: 0.043 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.010 min

Lab File: VL042353.D

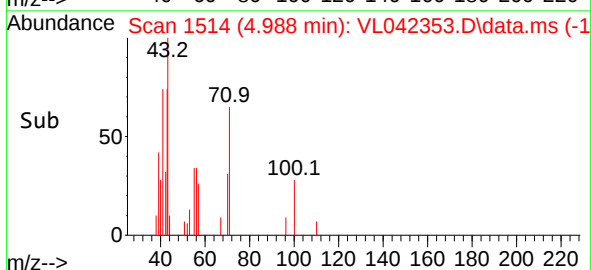
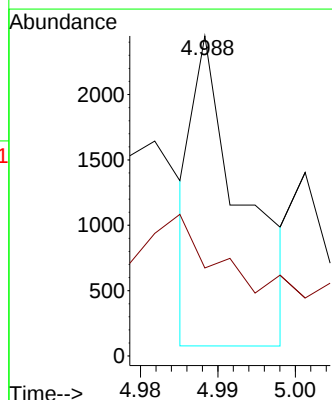
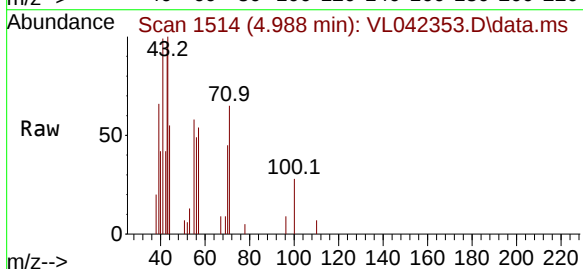
Acq: 17 Apr 2025 11:50

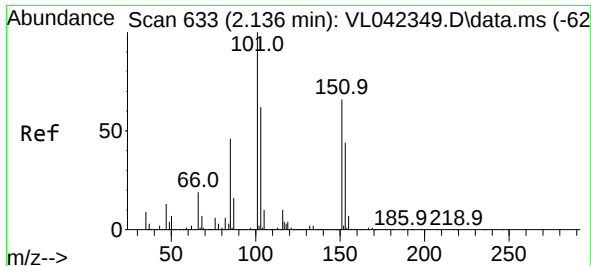
Tgt Ion: 43 Resp: 1056

Ion Ratio Lower Upper

43 100

57 220.7 39.9 59.9#

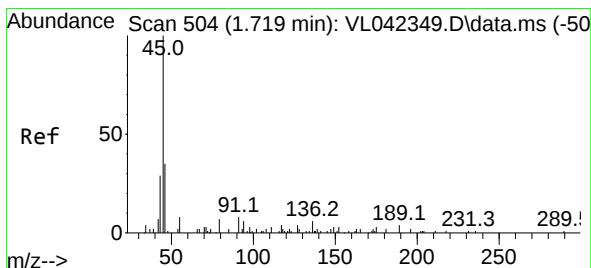
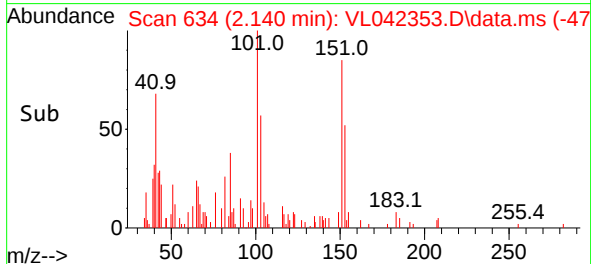
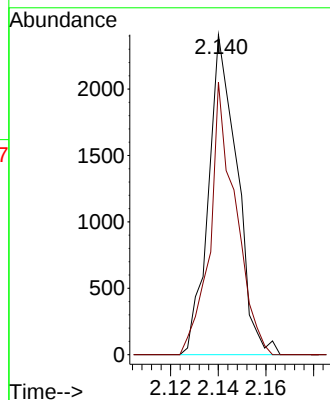
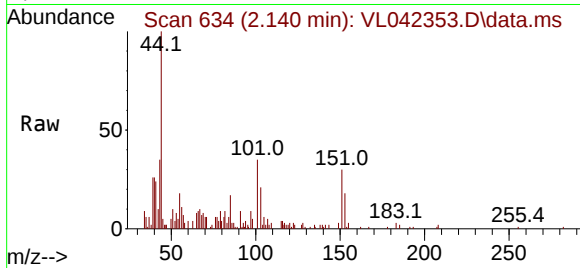




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.123 ppbv
RT: 2.140 min Scan# 61
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

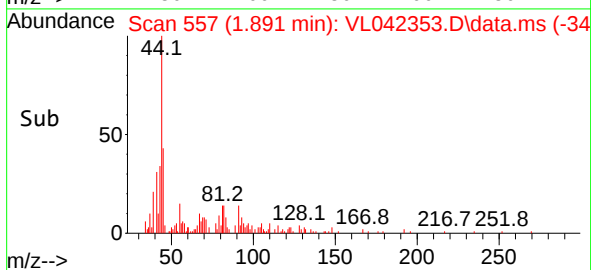
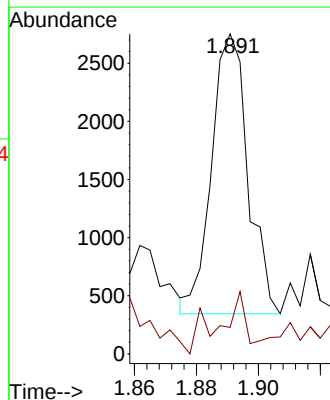
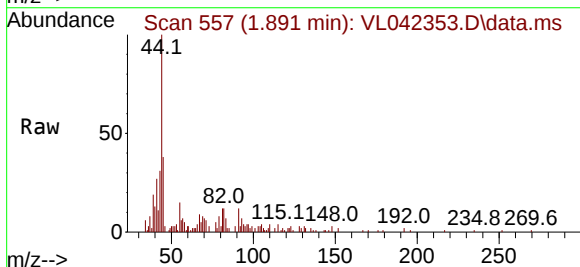
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

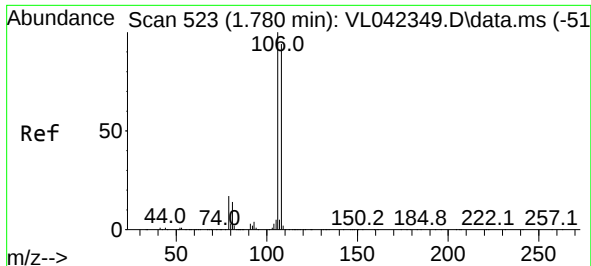
Tgt Ion:101 Resp: 2017
Ion Ratio Lower Upper
101 100
151 76.2 57.0 85.6



#13
Ethanol
Concen: 2.618 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.172 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 45 Resp: 1958
Ion Ratio Lower Upper
45 100
46 0.0 21.9 87.7#





#14
Bromoethene

Concen: 0.164 ppbv

RT: 1.781 min Scan# 51

Delta R.T. 0.000 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

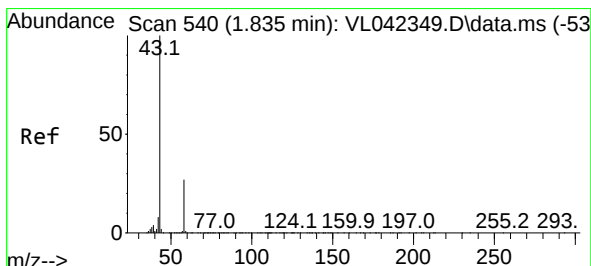
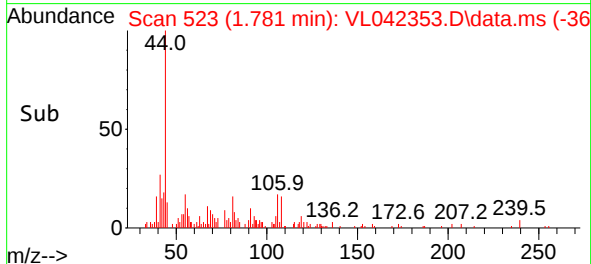
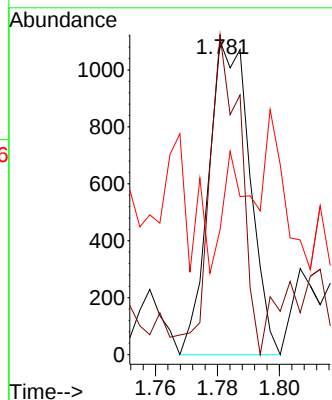
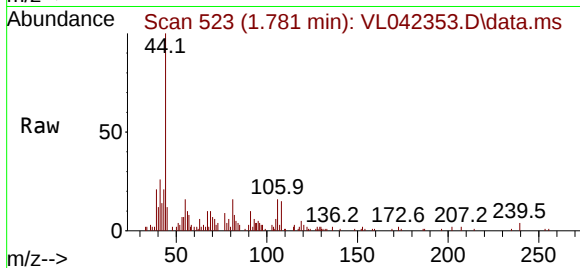
Tgt Ion:108 Resp: 1015

Ion Ratio Lower Upper

108 100

106 128.3 85.9 128.9

79 0.0 13.9 20.9#



#15

Acetone

Concen: 0.245 ppbv

RT: 1.839 min Scan# 541

Delta R.T. 0.004 min

Lab File: VL042353.D

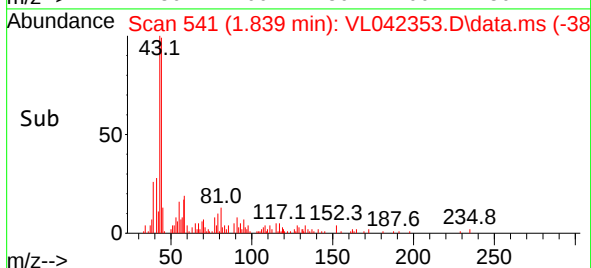
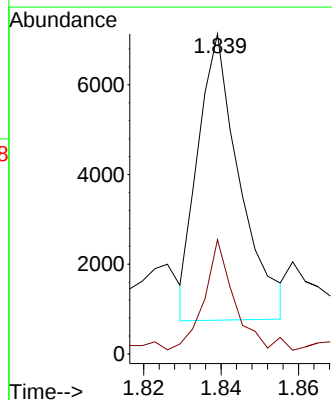
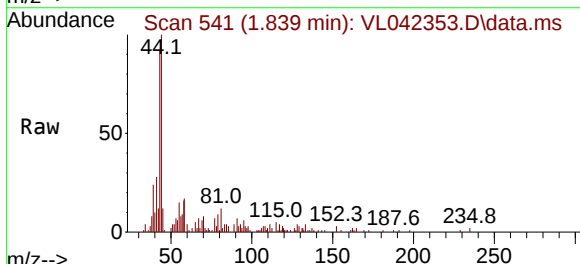
Acq: 17 Apr 2025 11:50

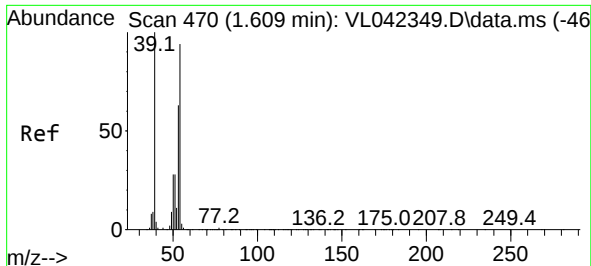
Tgt Ion: 43 Resp: 4783

Ion Ratio Lower Upper

43 100

58 37.5 22.4 33.6#

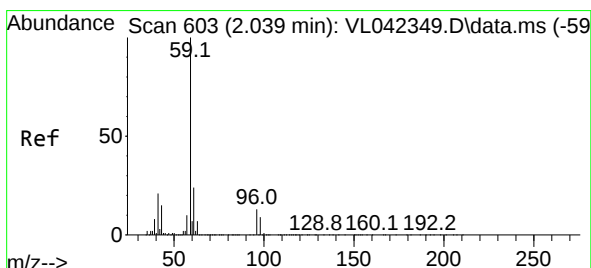
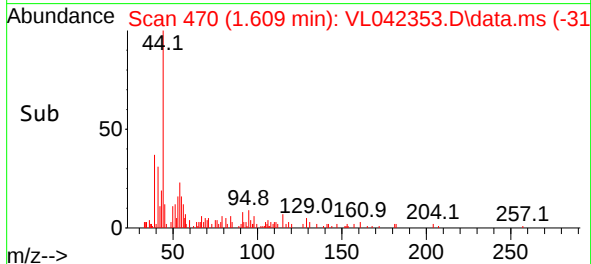
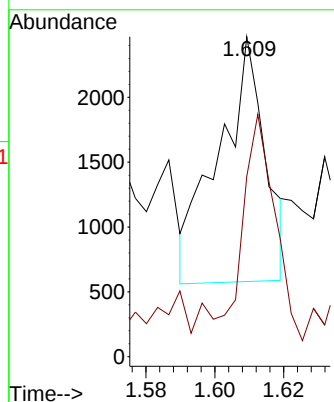
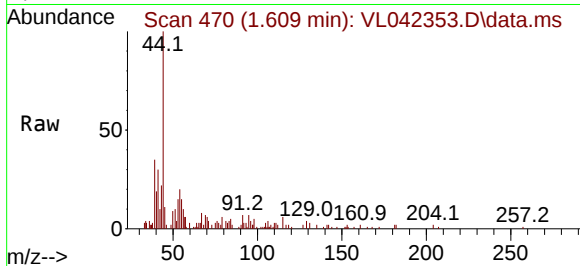




#16
1,3-Butadiene
Concen: 0.193 ppbv
RT: 1.609 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

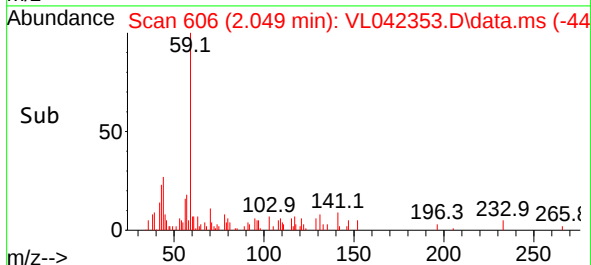
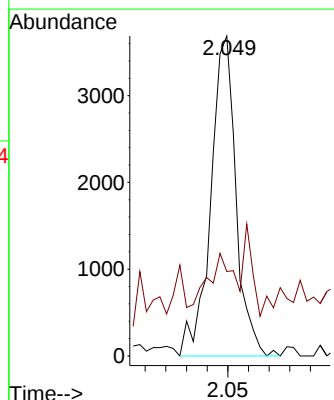
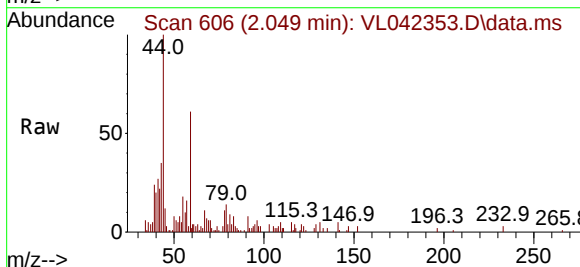
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

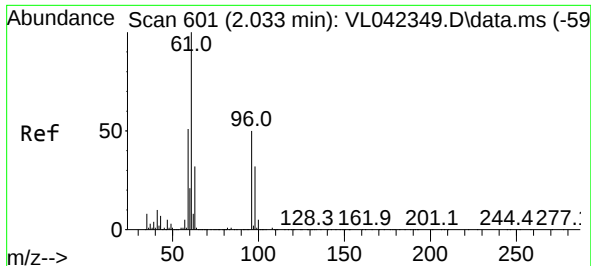
Tgt Ion: 39 Resp: 1776
Ion Ratio Lower Upper
39 100
54 128.7 64.9 97.3#



#17
tert-Butyl alcohol
Concen: 0.129 ppbv
RT: 2.049 min Scan# 606
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 59 Resp: 3130
Ion Ratio Lower Upper
59 100
57 46.5 8.7 13.1#

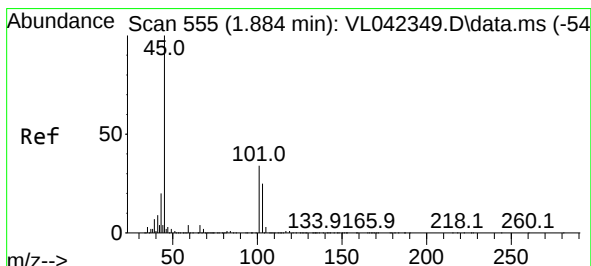
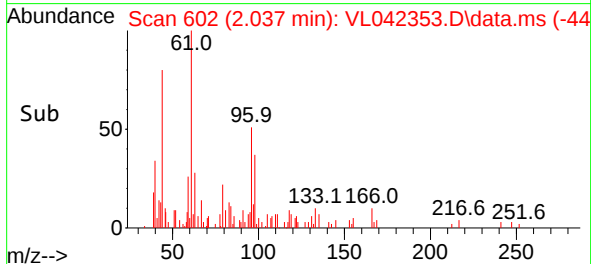
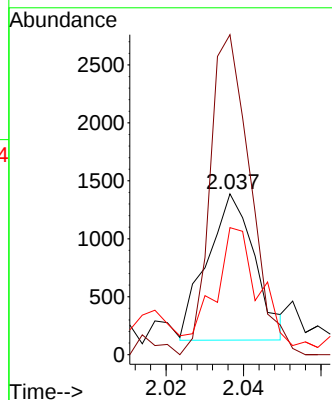
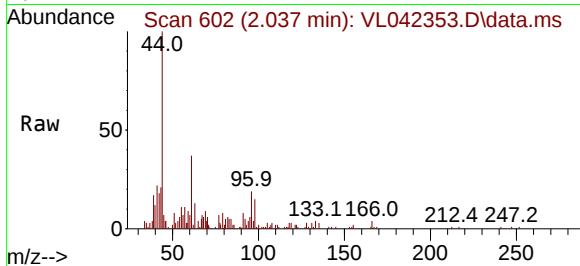




#18
1,1-Dichloroethene
Concen: 0.136 ppbv
RT: 2.037 min Scan# 601
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

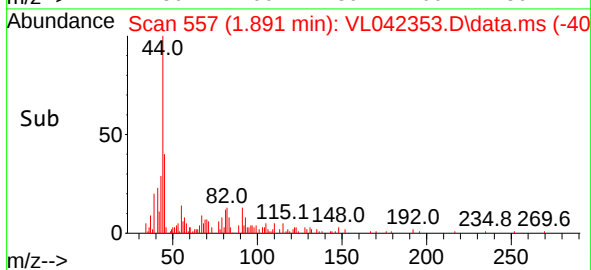
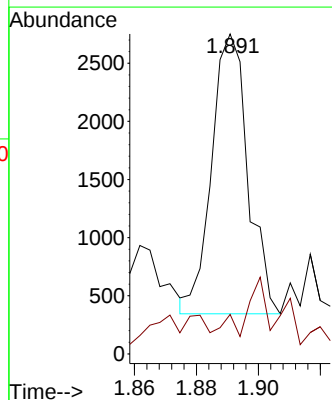
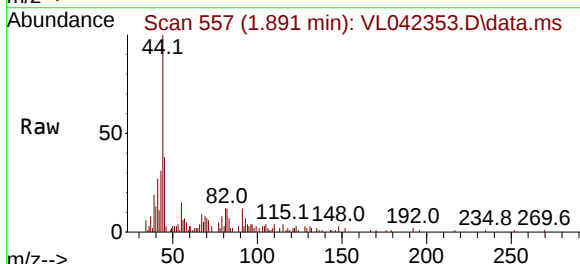
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

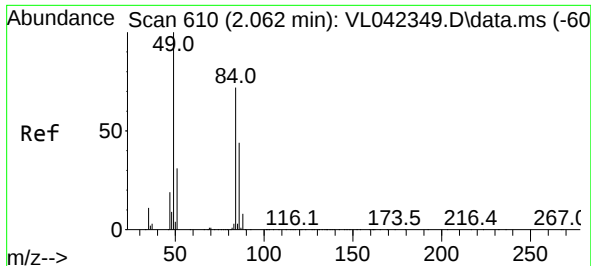
Tgt Ion: 96 Resp: 1074
Ion Ratio Lower Upper
96 100
61 222.5 160.2 240.2
98 75.2 51.0 76.4



#19
Isopropyl Alcohol
Concen: 0.180 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 45 Resp: 1958
Ion Ratio Lower Upper
45 100
58 49.5 34.5 51.7

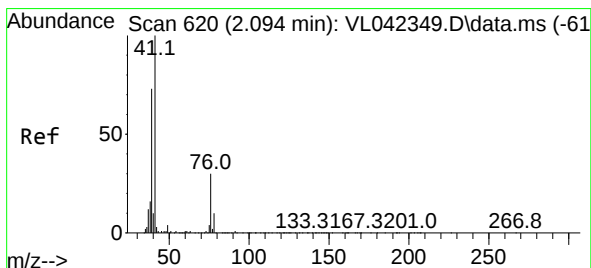
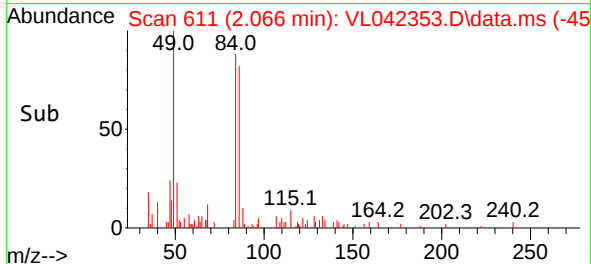
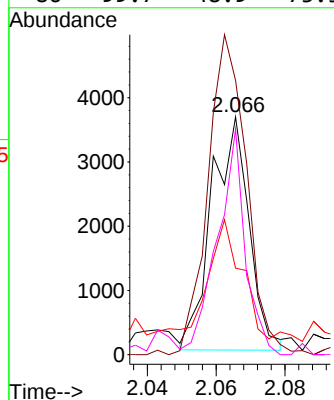
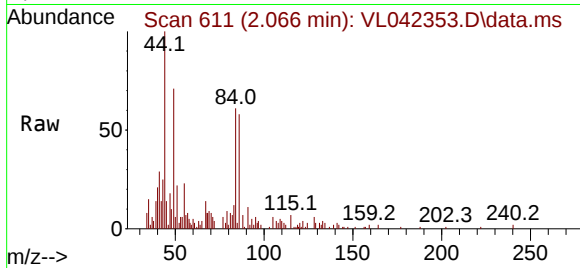




#20
Methylene Chloride
Concen: 0.358 ppbv
RT: 2.066 min Scan# 611
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

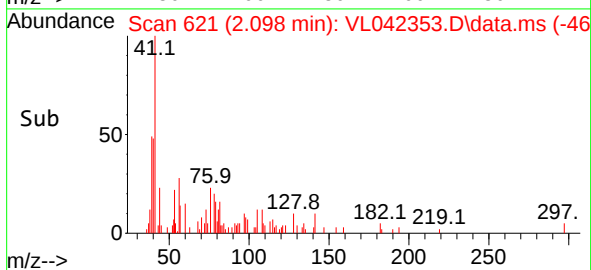
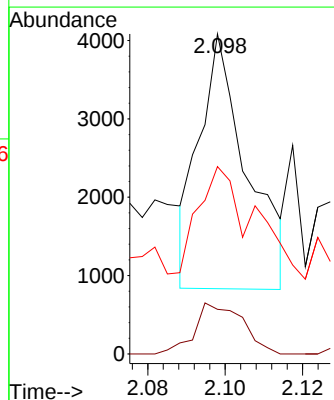
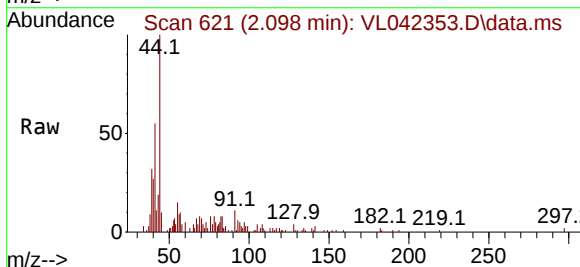
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

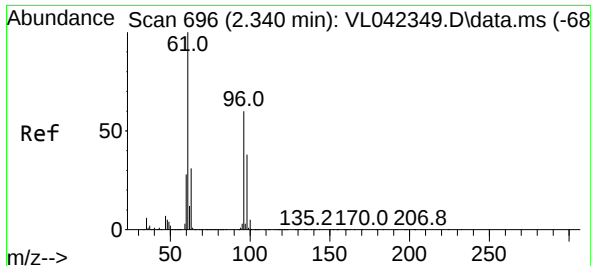
Tgt Ion:	84	Resp:	2741
Ion	Ratio	Lower	Upper
84	100		
49	119.3	111.6	167.4
51	28.2	35.1	52.7#
86	99.7	48.9	73.3#



#21
Allyl Chloride
Concen: 0.206 ppbv
RT: 2.098 min Scan# 621
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:	41	Resp:	2786
Ion	Ratio	Lower	Upper
41	100		
76	20.0	24.8	37.2#
39	102.2	60.6	90.8#

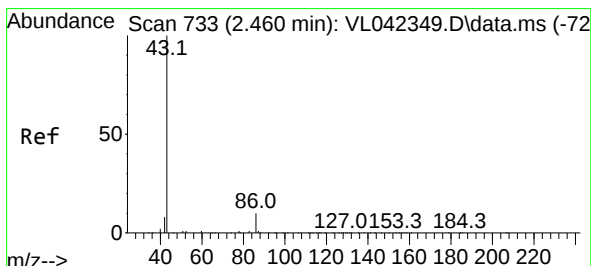
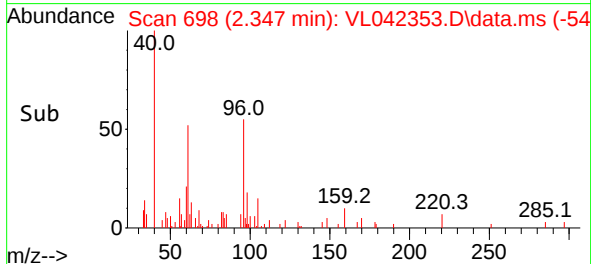
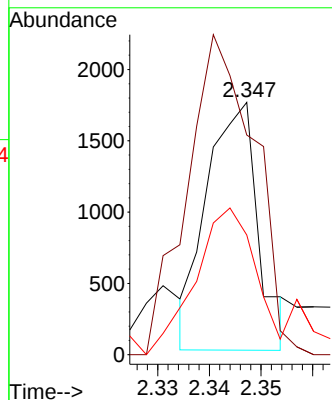
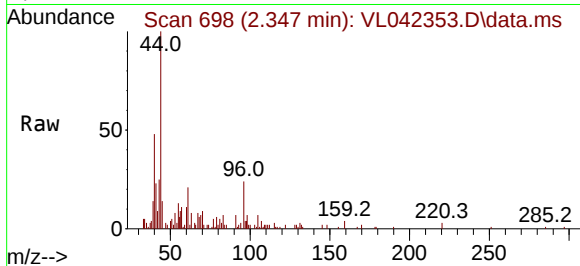




#22
trans-1,2-Dichloroethene
Concen: 0.138 ppbv
RT: 2.347 min Scan# 696
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

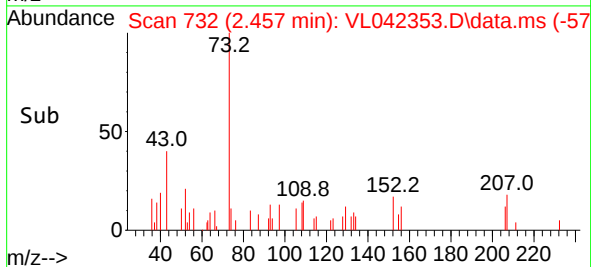
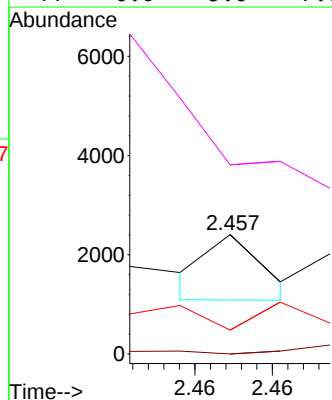
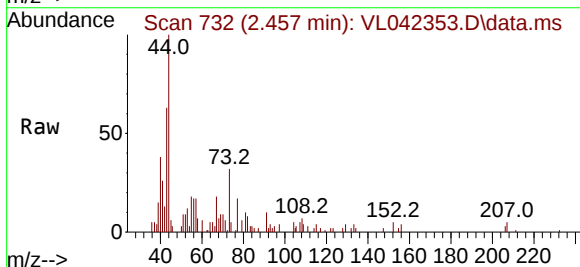
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

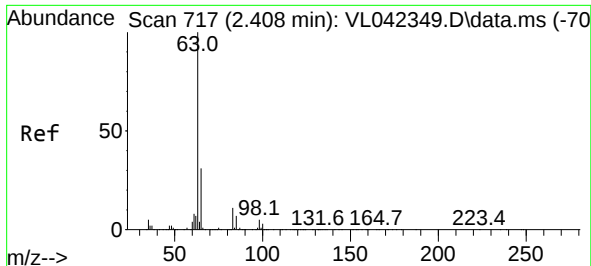
Tgt Ion: 96 Resp: 1201
Ion Ratio Lower Upper
96 100
61 99.5 133.7 200.5#
98 52.9 50.3 75.5



#23
Vinyl Acetate
Concen: 0.041 ppbv
RT: 2.457 min Scan# 732
Delta R.T. -0.003 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 43 Resp: 326
Ion Ratio Lower Upper
43 100
86 0.0 6.5 9.7#
42 0.0 7.8 11.8#
44 0.0 5.0 7.6#

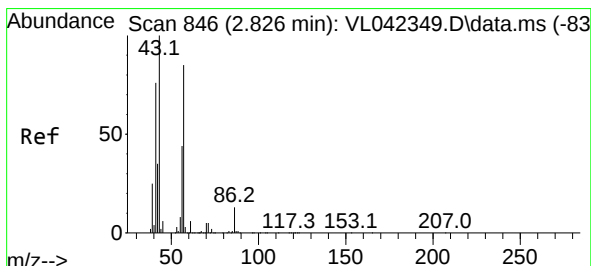
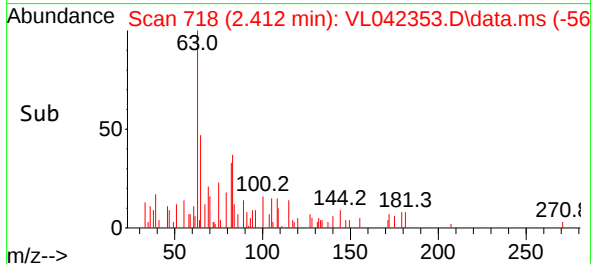
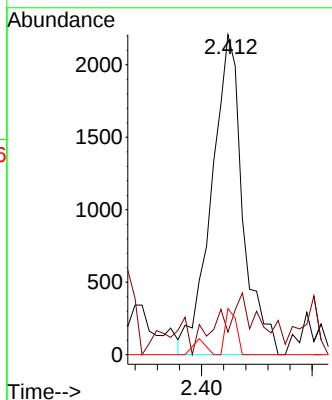
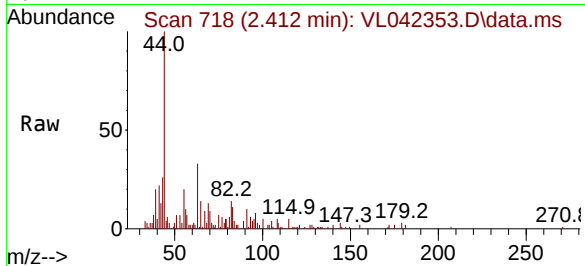




#24
1,1-Dichloroethane
Concen: 0.131 ppbv
RT: 2.412 min Scan# 718
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

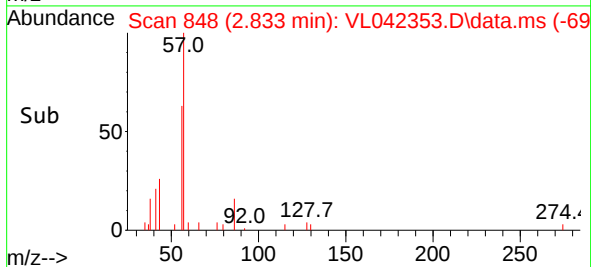
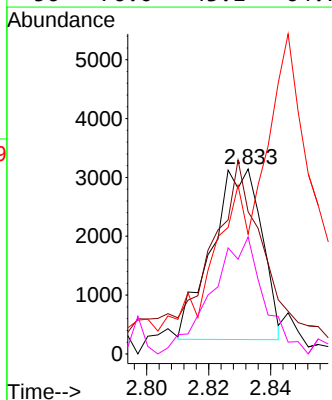
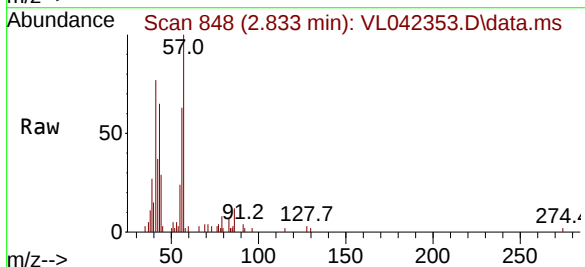
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

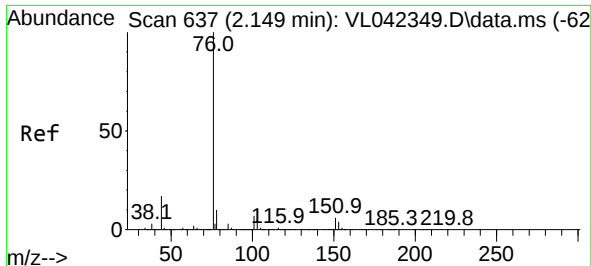
Tgt Ion: 63 Resp: 2169
Ion Ratio Lower Upper
63 100
98 0.0 2.3 6.8#
100 14.4 1.6 4.8#



#26
Hexane
Concen: 0.167 ppbv
RT: 2.833 min Scan# 848
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 57 Resp: 3260
Ion Ratio Lower Upper
57 100
41 134.5 77.9 116.9#
43 0.0 208.4 312.6#
56 76.0 43.1 64.7#

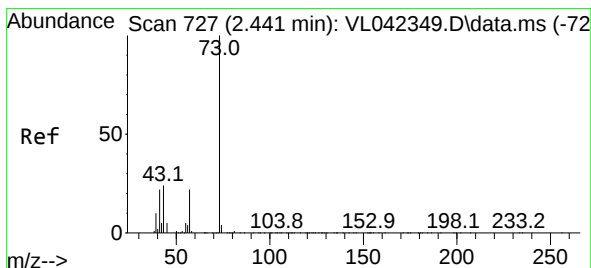
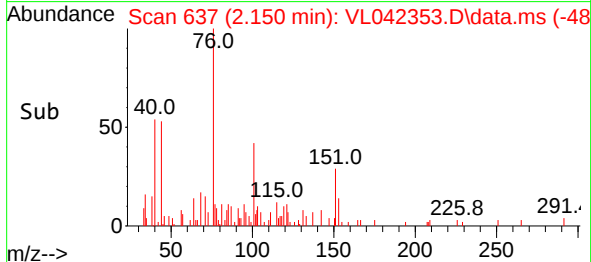
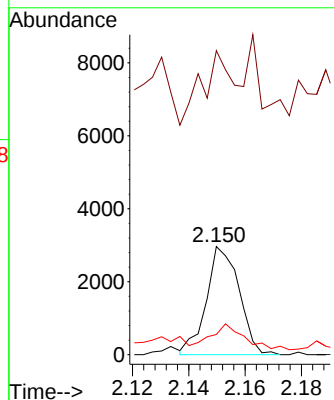
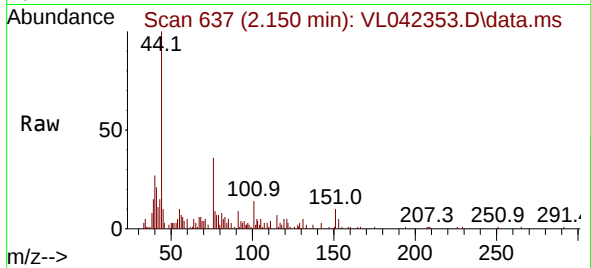




#27
Carbon Disulfide
Concen: 0.115 ppbv
RT: 2.150 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

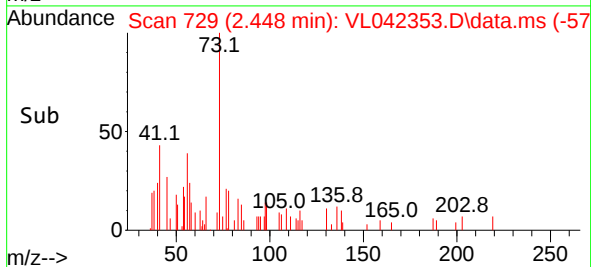
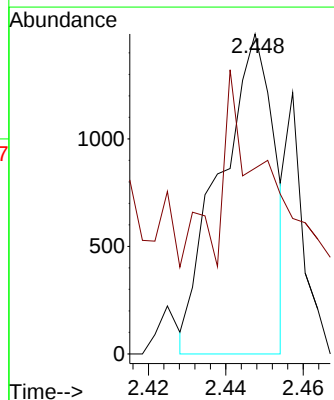
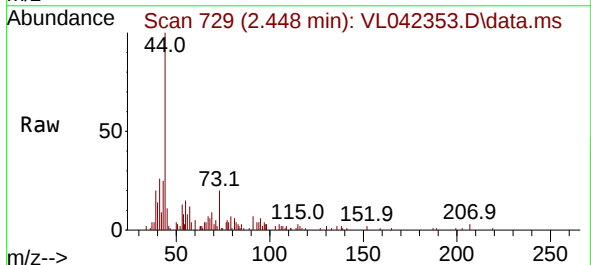
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

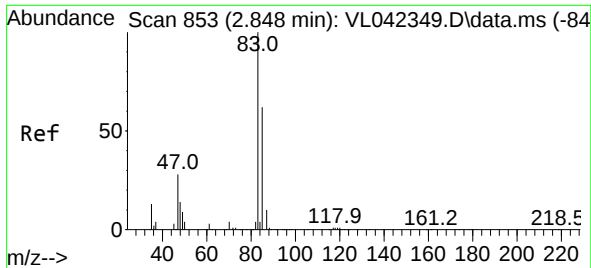
Tgt Ion: 76 Resp: 2396
Ion Ratio Lower Upper
76 100
44 214.1 15.5 23.3#
78 41.9 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 0.114 ppbv
RT: 2.448 min Scan# 729
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 73 Resp: 1460
Ion Ratio Lower Upper
73 100
57 84.5 21.3 31.9#

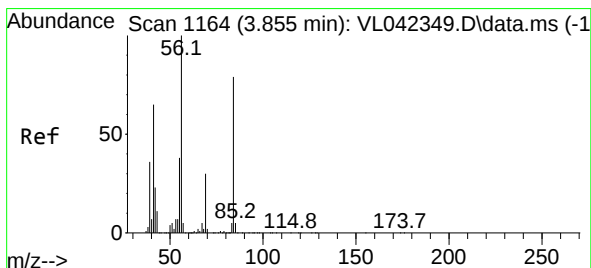
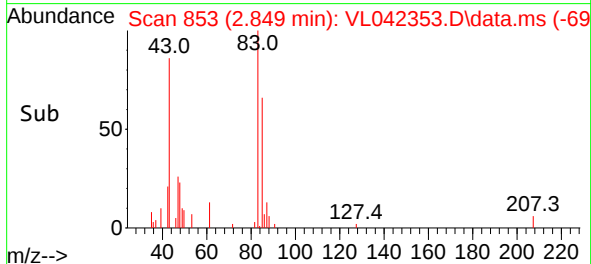
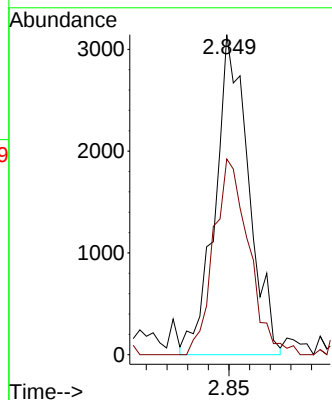
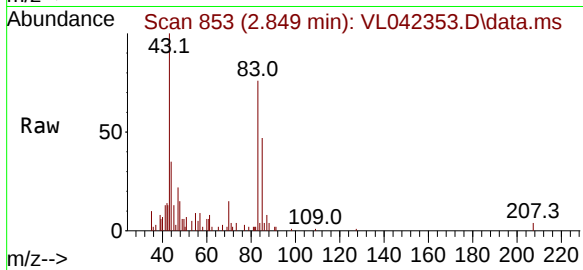




#29
Chloroform
Concen: 0.128 ppbv
RT: 2.849 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

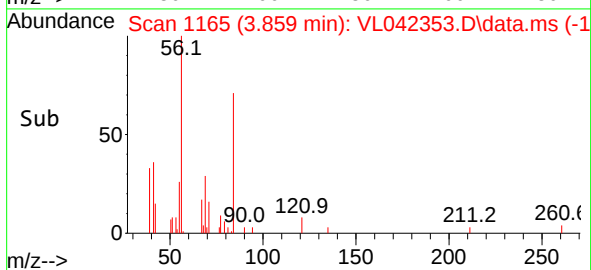
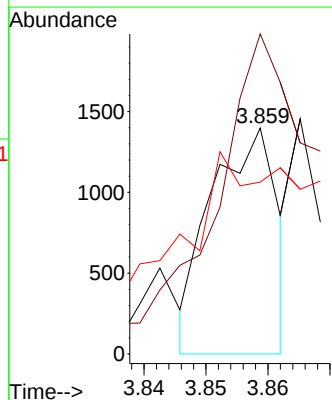
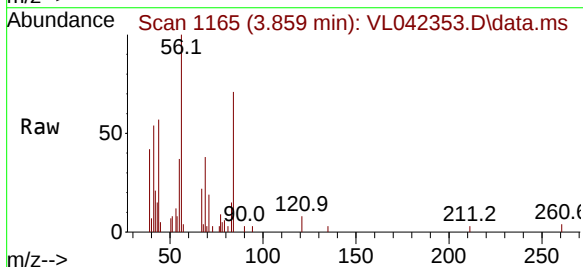
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

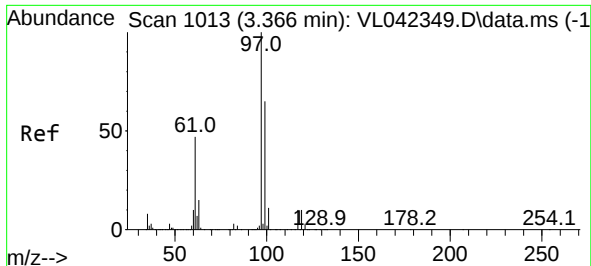
Tgt Ion: 83 Resp: 3542
Ion Ratio Lower Upper
83 100
85 62.5 50.0 75.0



#30
Cyclohexane
Concen: 0.066 ppbv
RT: 3.859 min Scan# 1165
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 84 Resp: 1037
Ion Ratio Lower Upper
84 100
56 278.1 101.0 151.4#
41 346.5 67.4 101.0#

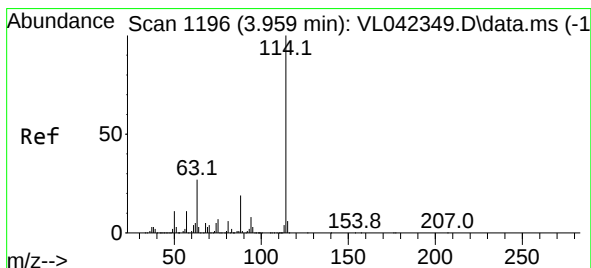
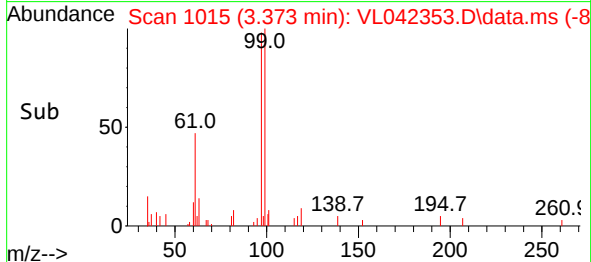
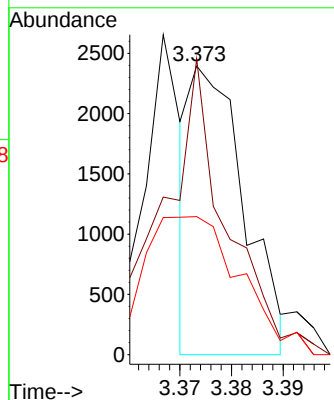
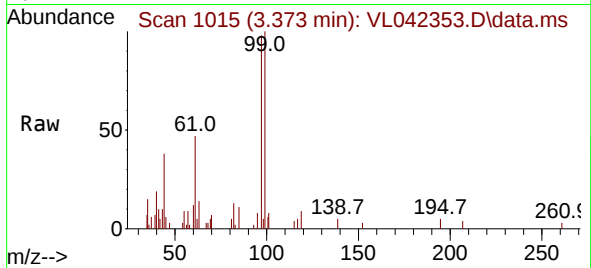




#32
 1,1,1-Trichloroethane
 Concen: 0.059 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.007 min
 Lab File: VL042353.D
 Acq: 17 Apr 2025 11:50

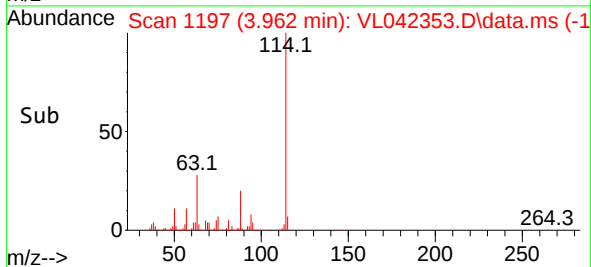
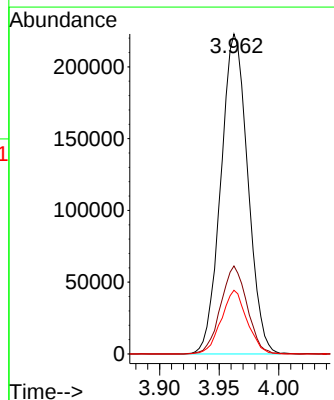
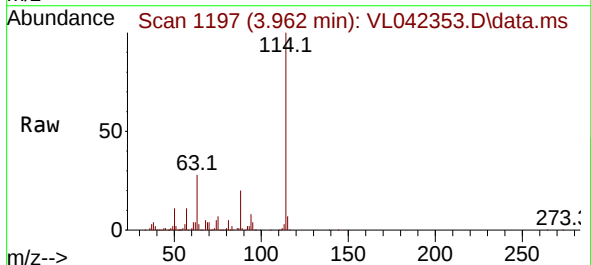
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

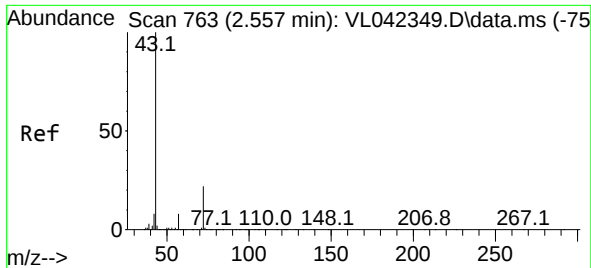
Tgt Ion: 97 Resp: 1734
 Ion Ratio Lower Upper
 97 100
 99 133.4 51.0 76.4#
 61 93.7 38.8 58.2#



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. 0.004 min
 Lab File: VL042353.D
 Acq: 17 Apr 2025 11:50

Tgt Ion: 114 Resp: 350484
 Ion Ratio Lower Upper
 114 100
 63 26.9 21.8 32.6
 88 19.1 15.5 23.3

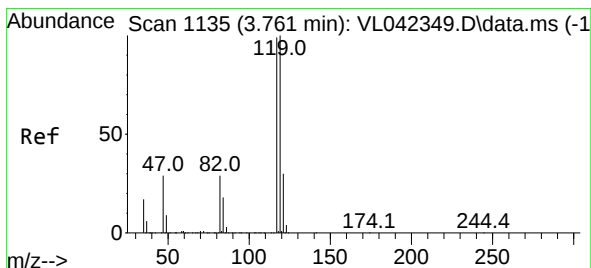
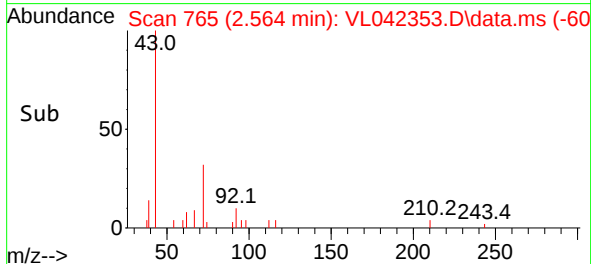
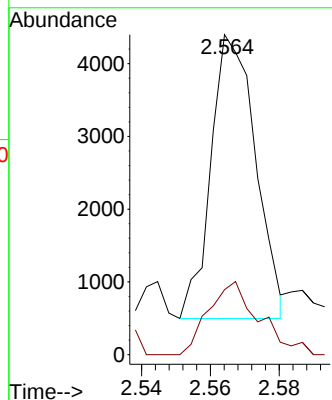
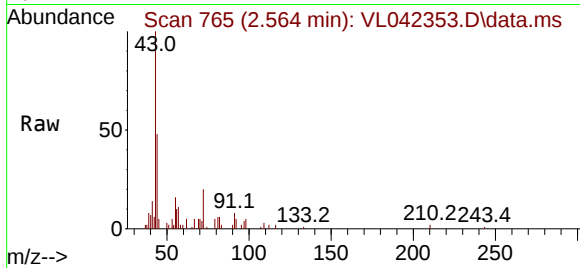




#34
2-Butanone
Concen: 0.126 ppbv
RT: 2.564 min Scan# 765
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

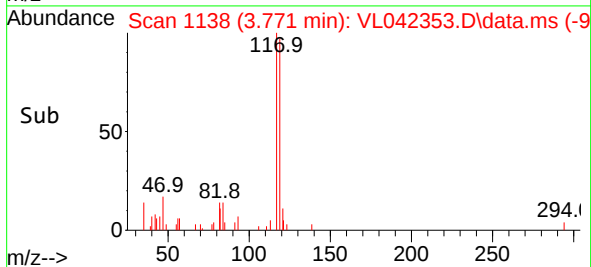
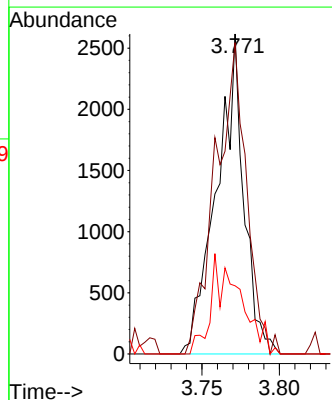
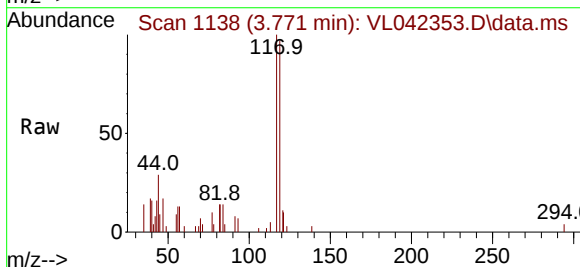
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

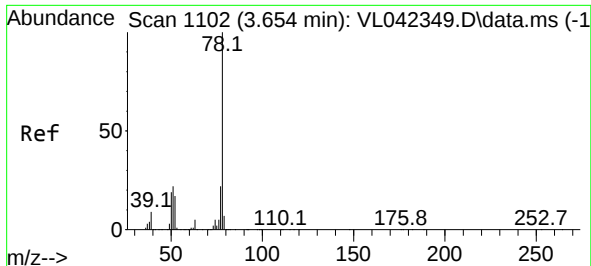
Tgt Ion: 43 Resp: 3506
Ion Ratio Lower Upper
43 100
72 32.7 18.2 27.2#



#35
Carbon Tetrachloride
Concen: 0.101 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 117 Resp: 3204
Ion Ratio Lower Upper
117 100
119 97.3 80.5 120.7
121 21.3 24.2 36.2#





#36

Benzene

Concen: 0.117 ppbv

RT: 3.665 min Scan# 1105

Delta R.T. 0.010 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

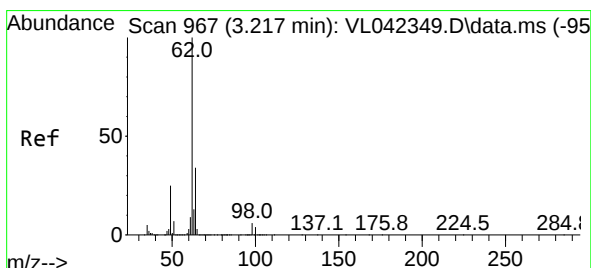
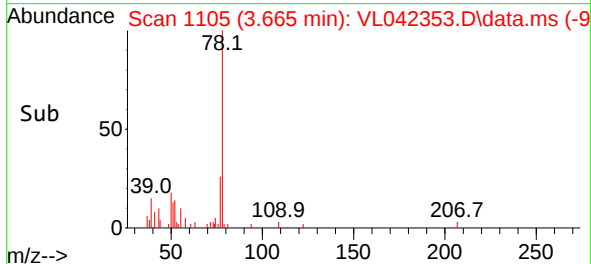
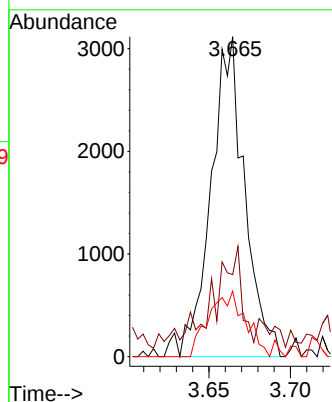
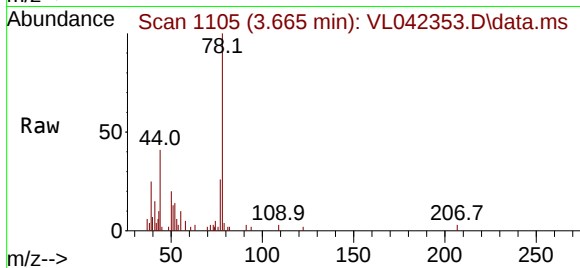
Tgt Ion: 78 Resp: 4424

Ion Ratio Lower Upper

78 100

77 20.4 17.4 26.0

50 20.5 15.5 23.3



#37

1,2-Dichloroethane

Concen: 0.111 ppbv

RT: 3.224 min Scan# 969

Delta R.T. 0.007 min

Lab File: VL042353.D

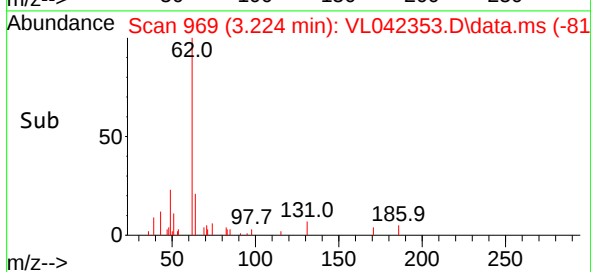
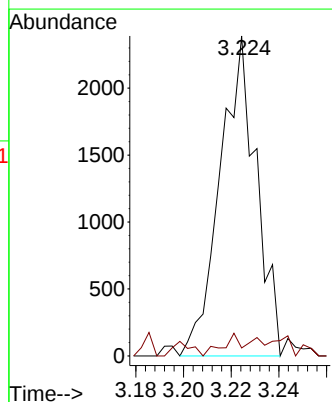
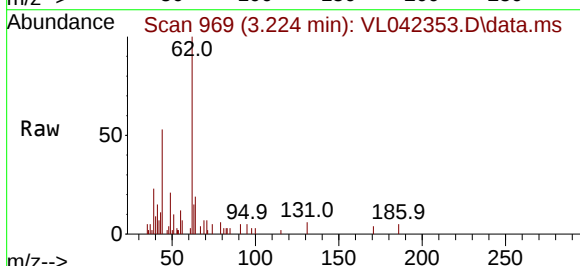
Acq: 17 Apr 2025 11:50

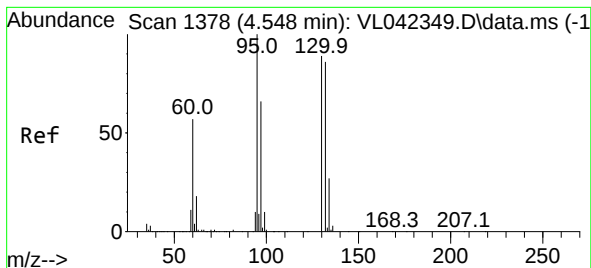
Tgt Ion: 62 Resp: 2523

Ion Ratio Lower Upper

62 100

98 0.0 5.1 7.7#





#38

Trichloroethene

Concen: 0.067 ppbv

RT: 4.551 min Scan# 1113

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:130 Resp: 1113

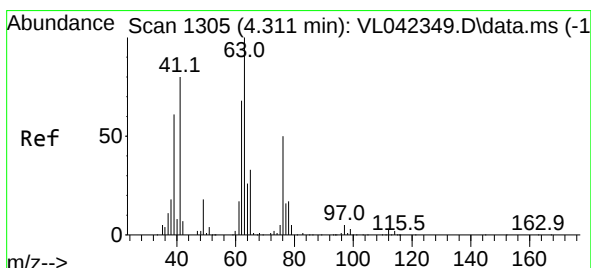
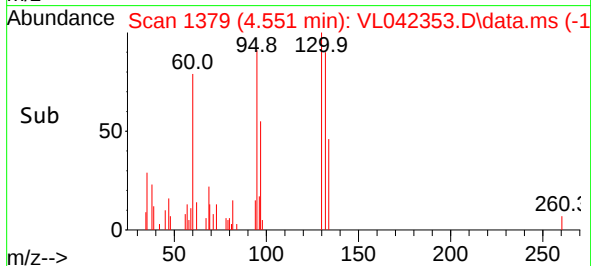
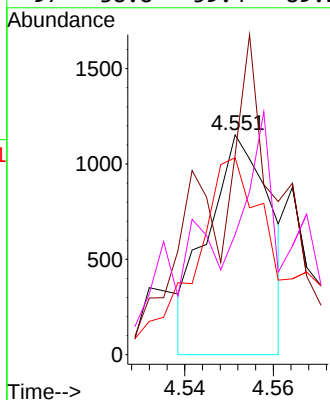
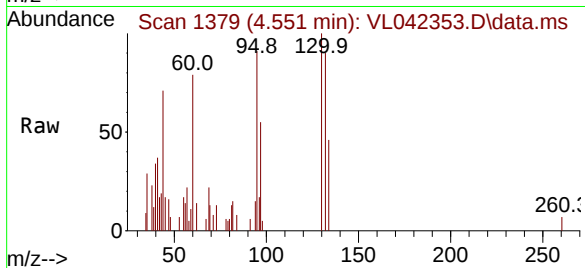
Ion Ratio Lower Upper

130 100

95 60.4 89.8 134.6#

132 78.4 77.7 116.5

97 38.8 59.4 89.2#



#39

1,2-Dichloropropane

Concen: 0.071 ppbv

RT: 4.315 min Scan# 1306

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

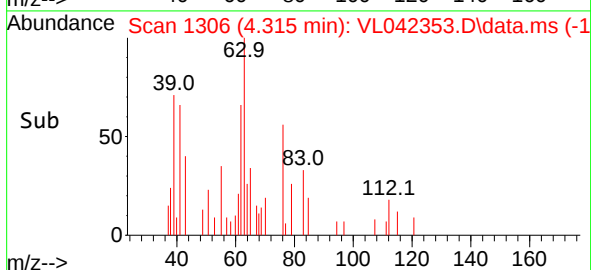
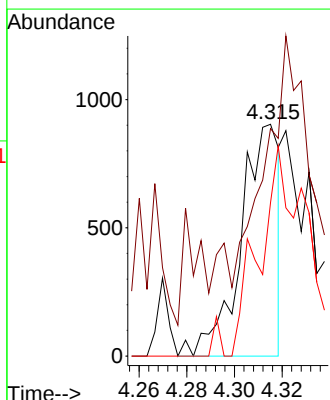
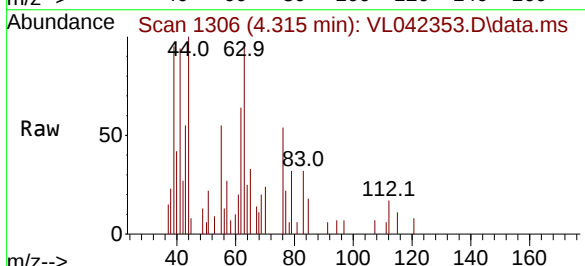
Tgt Ion: 63 Resp: 1007

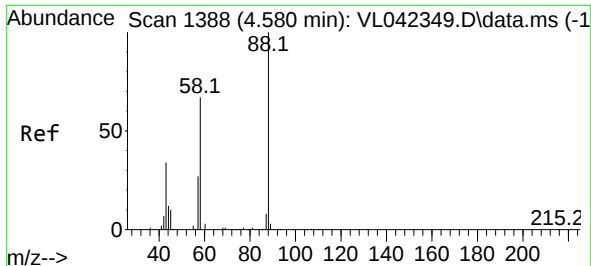
Ion Ratio Lower Upper

63 100

41 84.8 64.2 96.2

62 66.2 54.3 81.5

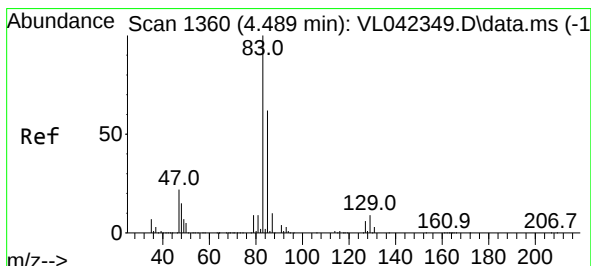
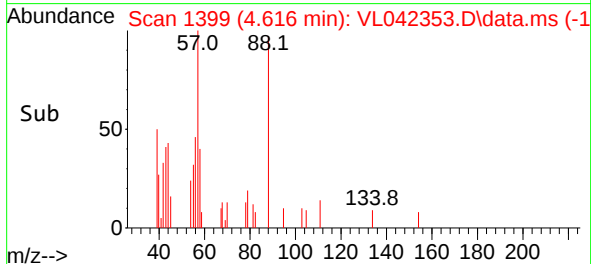
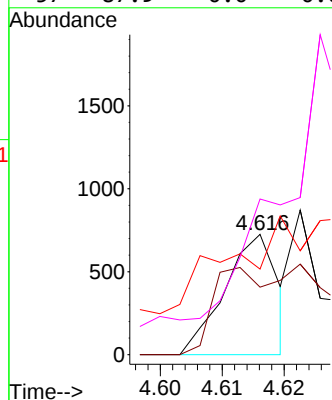
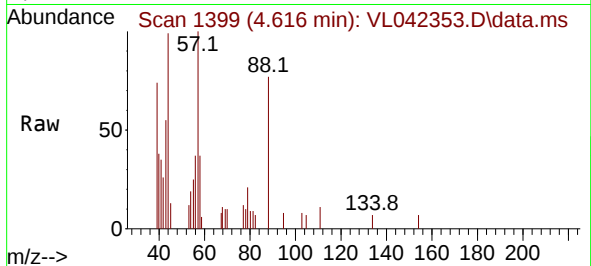




#40
1,4-Dioxane
Concen: 0.056 ppbv
RT: 4.616 min Scan# 1399
Delta R.T. 0.036 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

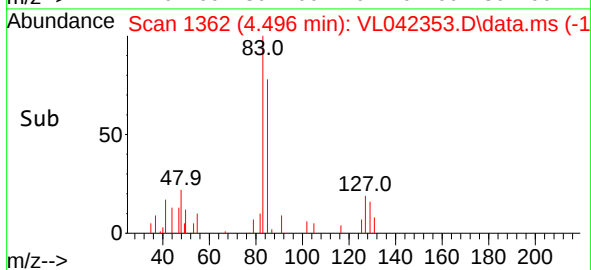
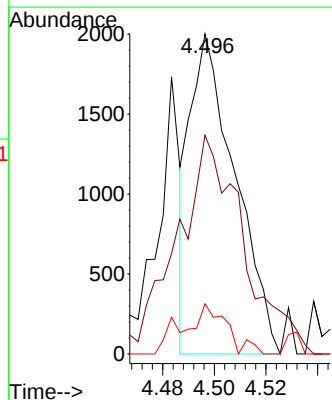
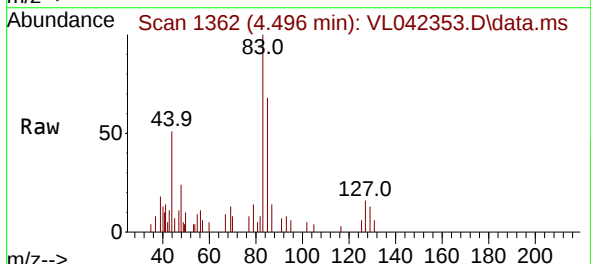
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

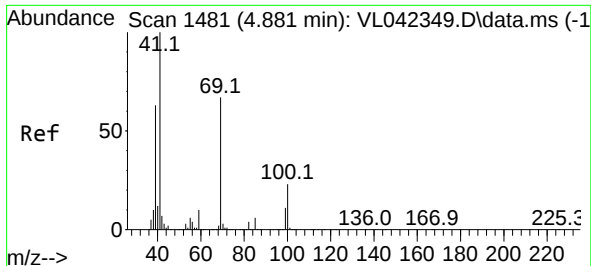
Tgt Ion: 88 Resp: 431
Ion Ratio Lower Upper
88 100
58 18.1 61.4 92.0#
43 247.6 23.2 34.8#
57 87.9 0.0 0.0#



#42
Bromodichloromethane
Concen: 0.077 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 83 Resp: 2443
Ion Ratio Lower Upper
83 100
85 55.0 49.7 74.5
127 15.7 5.1 7.7#

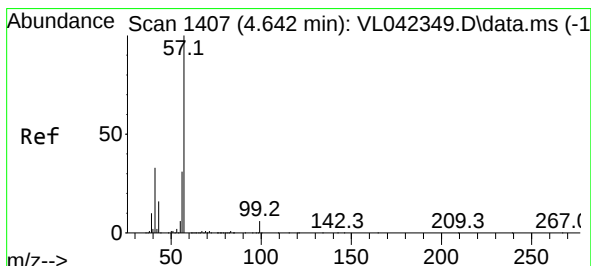
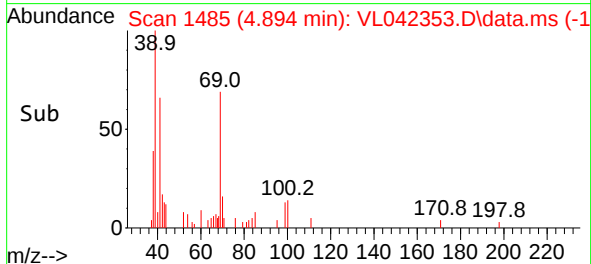
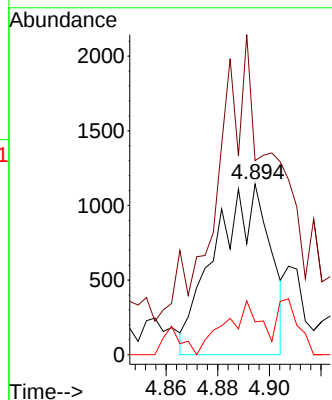
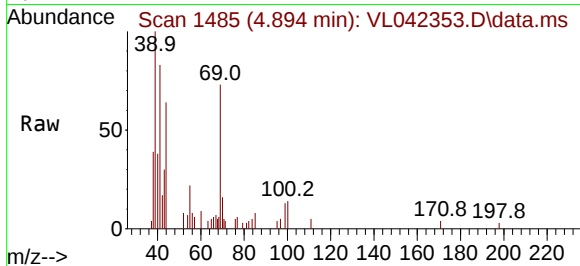




#43
Methyl Methacrylate
Concen: 0.099 ppbv
RT: 4.894 min Scan# 1485
Delta R.T. 0.013 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

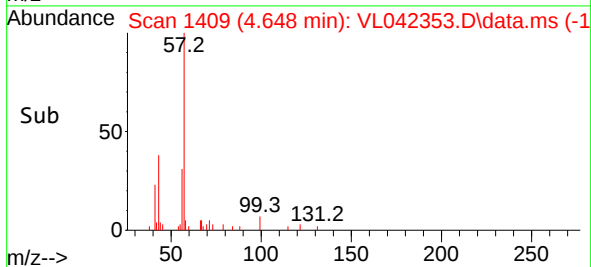
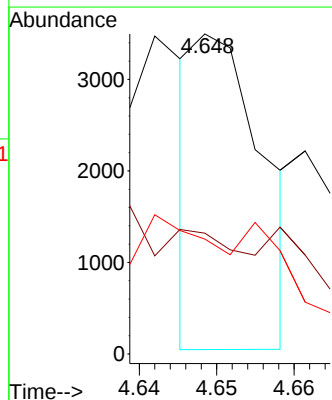
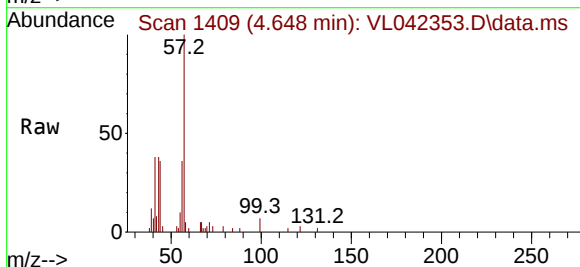
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

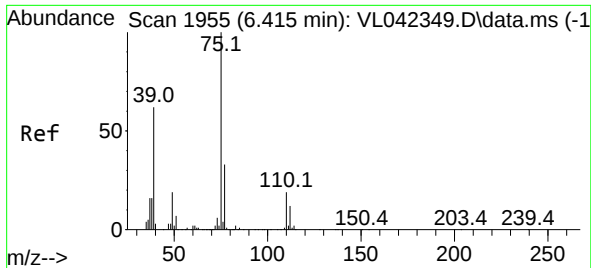
Tgt Ion: 69 Resp: 1683
Ion Ratio Lower Upper
69 100
41 192.5 118.6 177.8#
100 0.0 28.2 42.2#



#44
2,2,4-Trimethylpentane
Concen: 0.032 ppbv
RT: 4.648 min Scan# 1409
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 57 Resp: 2115
Ion Ratio Lower Upper
57 100
41 0.0 27.2 40.8#
56 0.0 25.7 38.5#

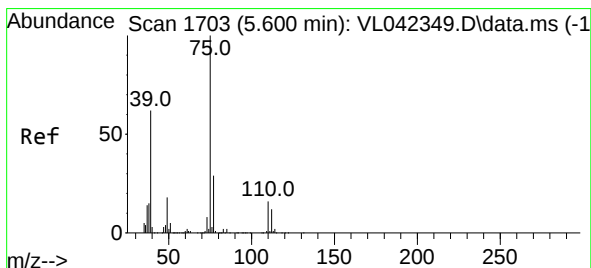
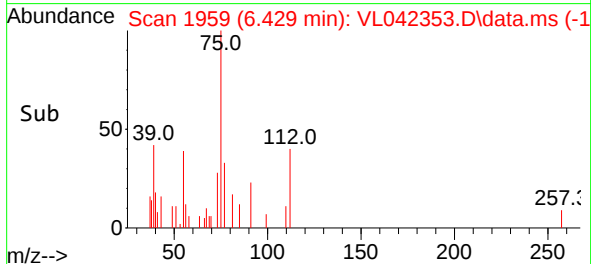
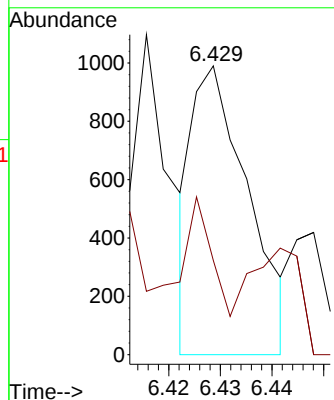
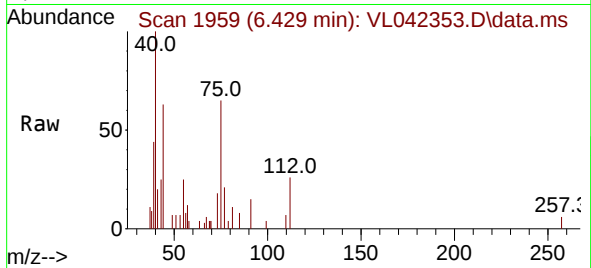




#45
 t-1,3-Dichloropropene
 Concen: 0.043 ppbv
 RT: 6.429 min Scan# 1955
 Delta R.T. 0.013 min
 Lab File: VL042353.D
 Acq: 17 Apr 2025 11:50

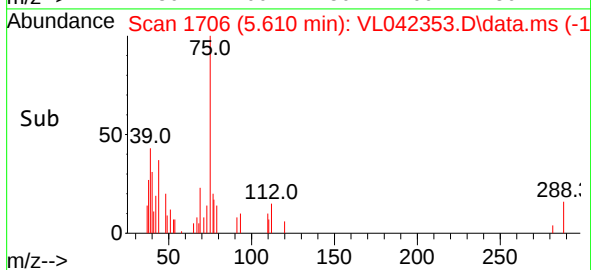
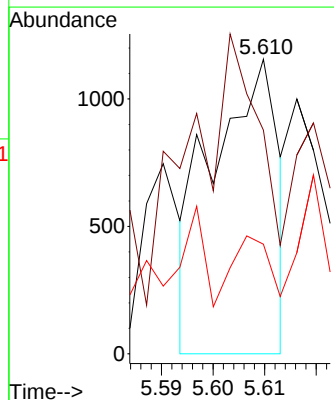
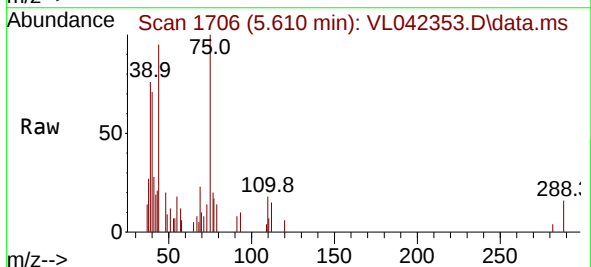
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

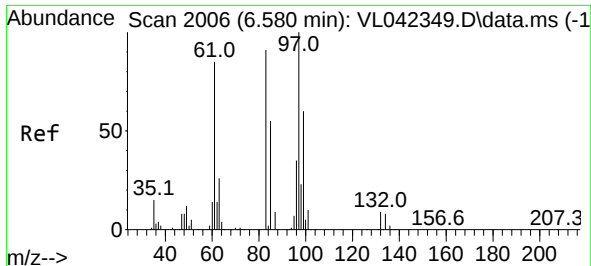
Tgt Ion: 75 Resp: 748
 Ion Ratio Lower Upper
 75 100
 77 32.6 27.0 40.6



#46
 cis-1,3-Dichloropropene
 Concen: 0.048 ppbv
 RT: 5.610 min Scan# 1706
 Delta R.T. 0.010 min
 Lab File: VL042353.D
 Acq: 17 Apr 2025 11:50

Tgt Ion: 75 Resp: 1032
 Ion Ratio Lower Upper
 75 100
 39 71.3 50.0 75.0
 77 32.3 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 0.038 ppbv

RT: 6.584 min Scan# 2006

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 540

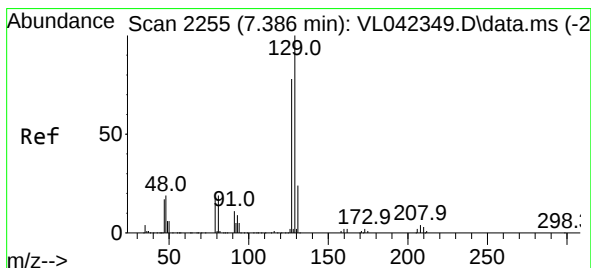
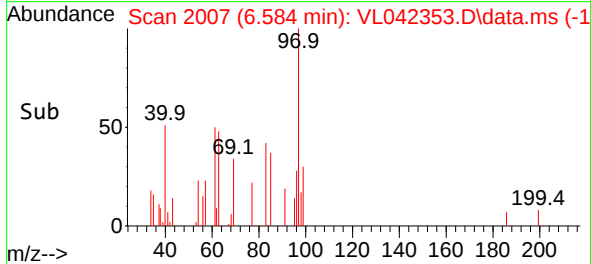
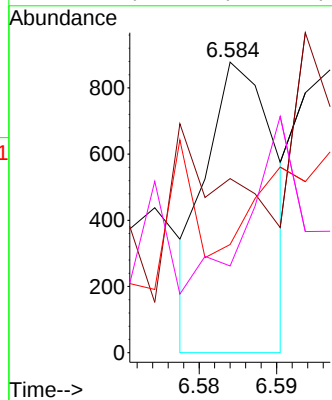
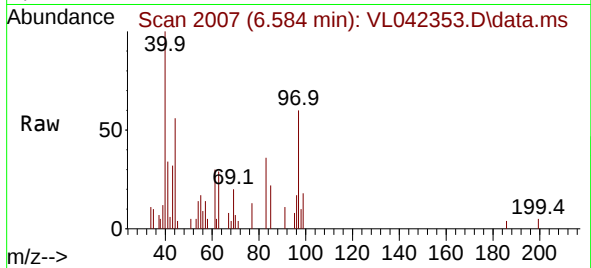
Ion Ratio Lower Upper

97 100

83 36.8 72.8 109.2#

85 0.0 44.2 66.4#

99 21.1 47.9 71.9#



#48

Dibromochloromethane

Concen: 0.045 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.007 min

Lab File: VL042353.D

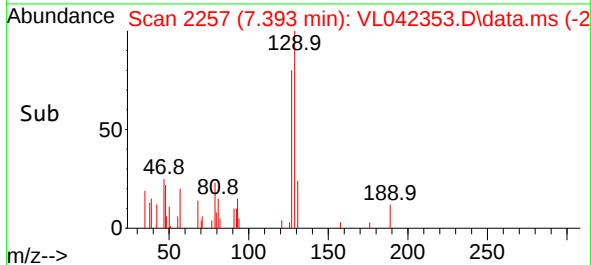
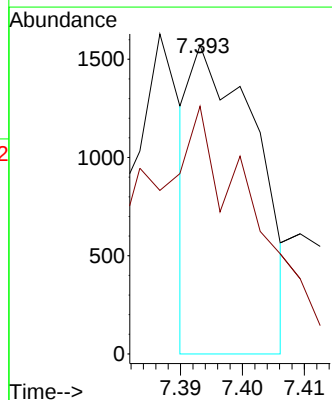
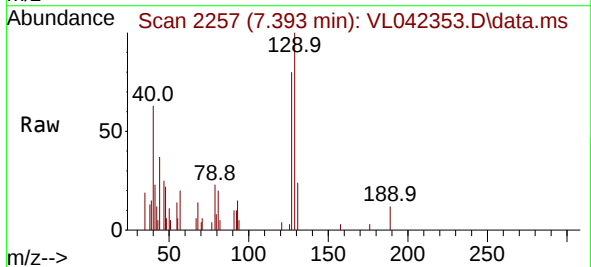
Acq: 17 Apr 2025 11:50

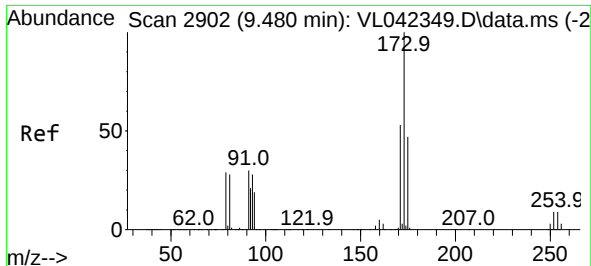
Tgt Ion: 129 Resp: 1149

Ion Ratio Lower Upper

129 100

127 167.2 39.1 117.3#





#49

Bromoform

Concen: 0.089 ppbv

RT: 9.484 min Scan# 2902

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

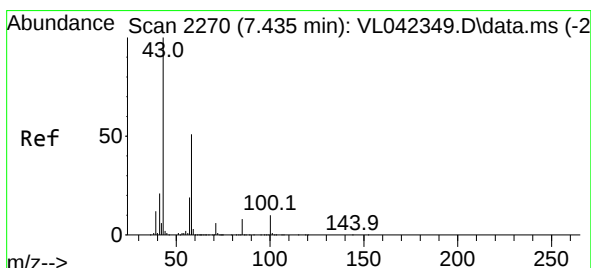
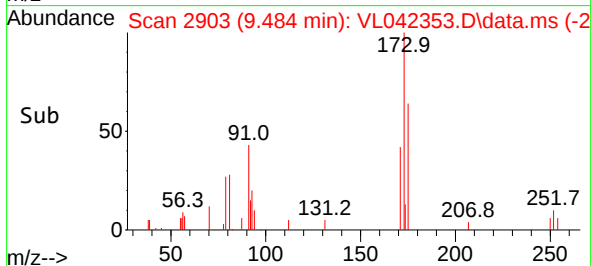
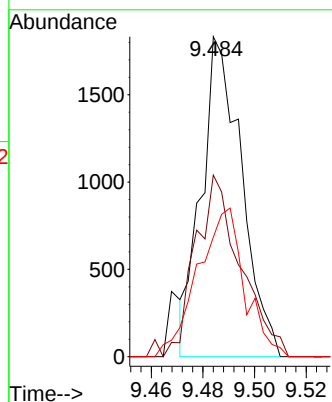
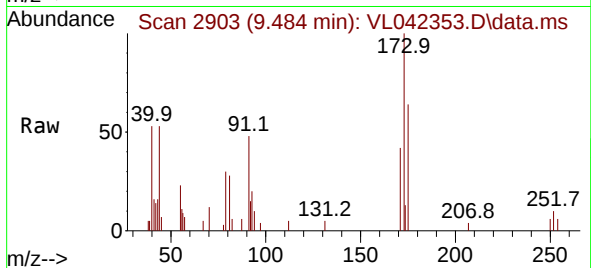
Tgt Ion:173 Resp: 1973

Ion Ratio Lower Upper

173 100

175 64.7 38.2 57.2#

171 54.2 40.9 61.3



#51

2-Hexanone

Concen: 0.118 ppbv

RT: 7.455 min Scan# 2276

Delta R.T. 0.020 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

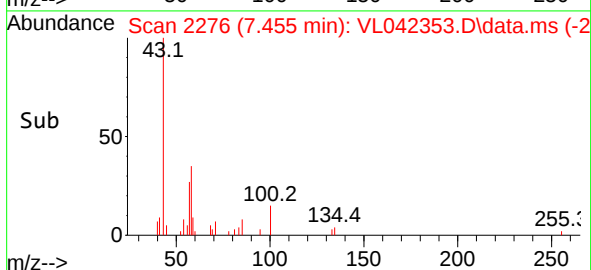
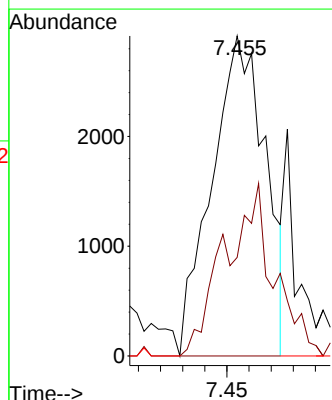
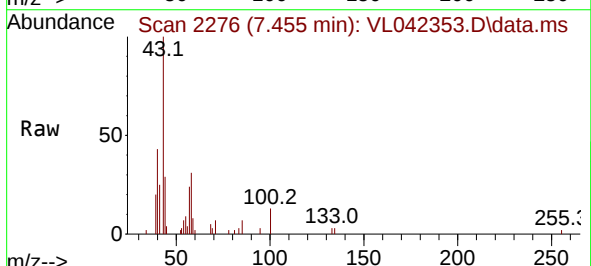
Tgt Ion: 43 Resp: 4915

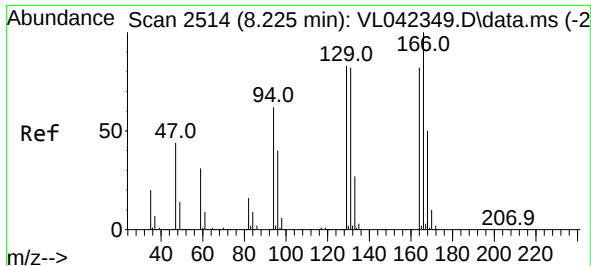
Ion Ratio Lower Upper

43 100

58 49.9 40.2 60.4

98 0.0 0.1 0.1#

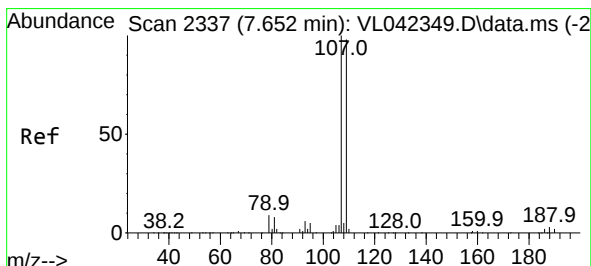
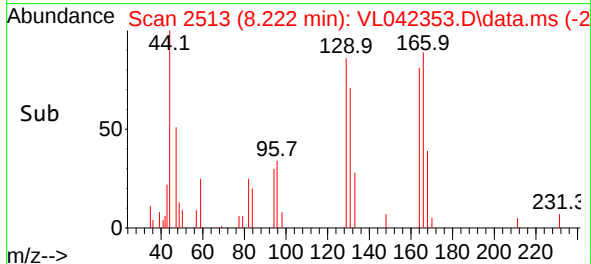
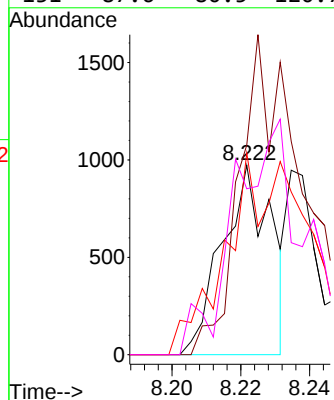
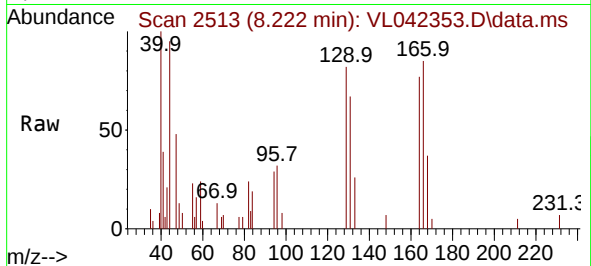




#52
Tetrachloroethene
Concen: 0.065 ppbv
RT: 8.222 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

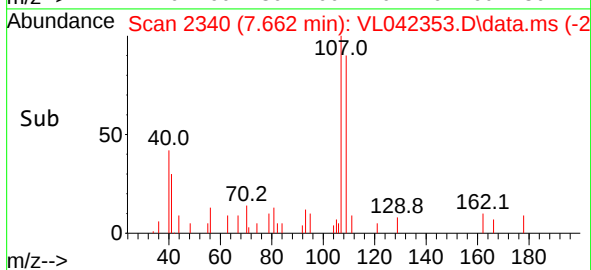
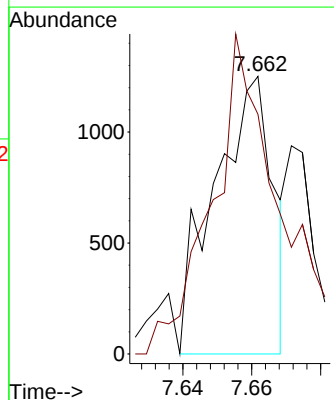
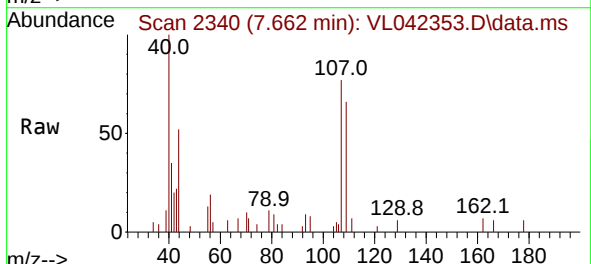
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

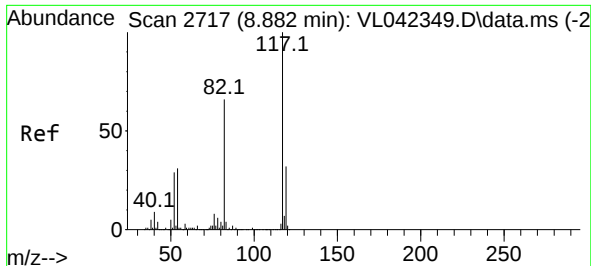
Tgt	Ion:164	Resp:	957
Ion	Ratio	Lower	Upper
164	100		
166	110.6	98.2	147.2
129	88.3	81.8	122.8
131	87.6	80.5	120.7



#54
1,2-Dibromoethane
Concen: 0.072 ppbv
RT: 7.662 min Scan# 2340
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:107	Resp:	1470	
Ion	Ratio	Lower	Upper
107	100		
109	72.7	78.2	117.4#

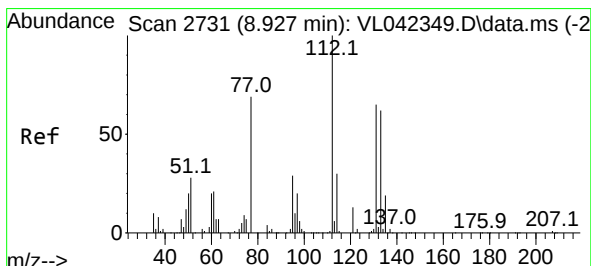
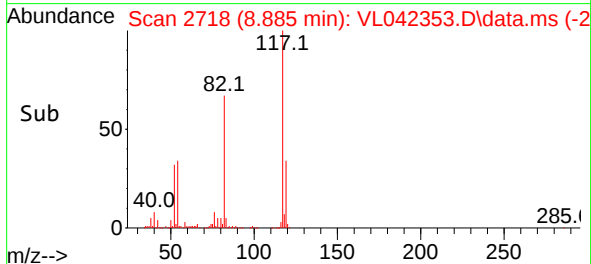
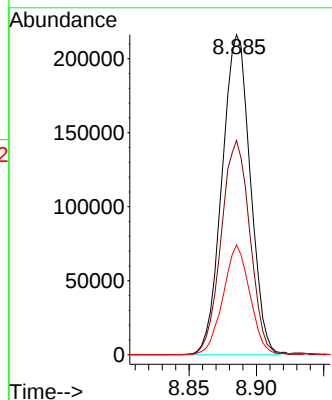
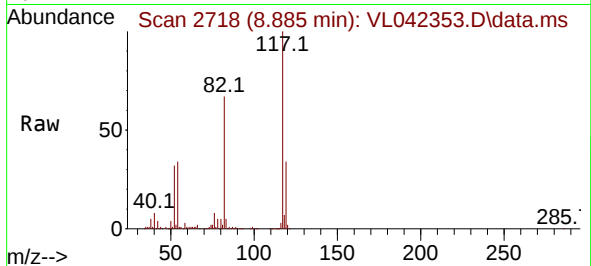




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2717
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

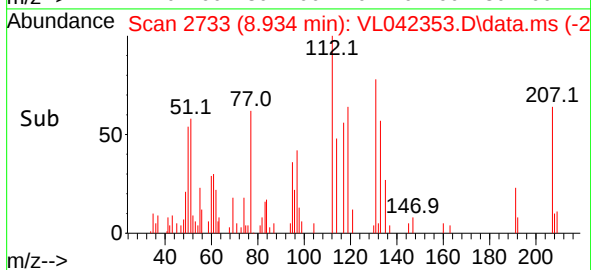
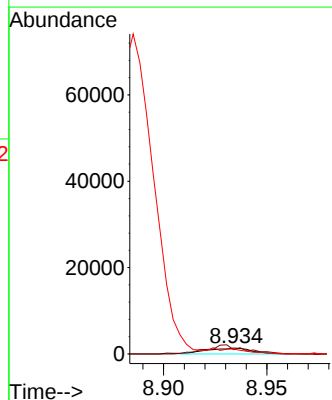
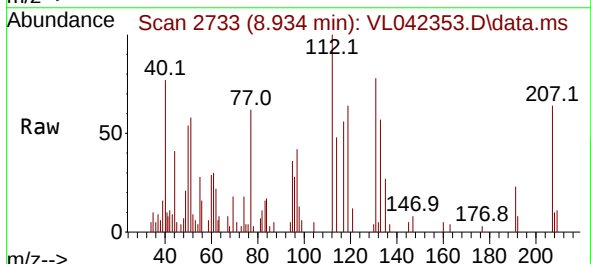
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

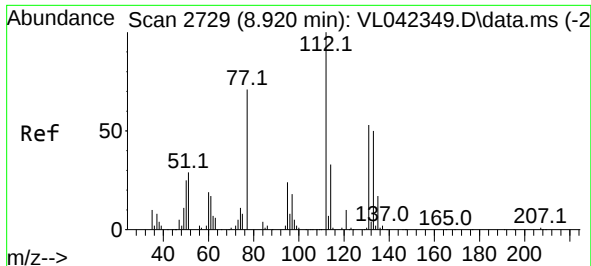
Tgt Ion:117 Resp: 315004
Ion Ratio Lower Upper
117 100
82 68.1 57.8 86.6
119 33.0 25.2 37.8



#56
1,1,1,2-Tetrachloroethane
Concen: 0.107 ppbv
RT: 8.934 min Scan# 2733
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:131 Resp: 2031
Ion Ratio Lower Upper
131 100
133 134.2 78.3 117.5#
119 0.0 48.7 73.1#

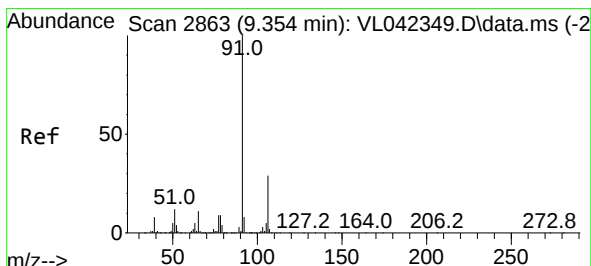
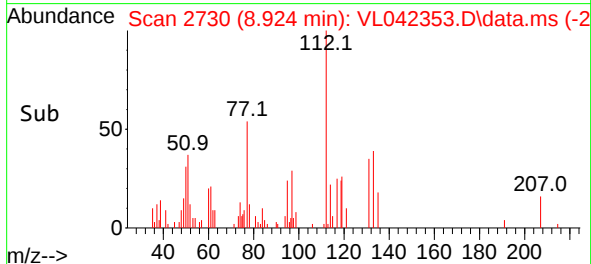
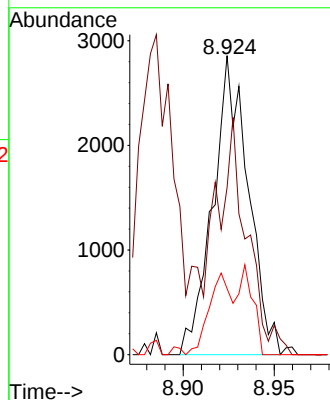
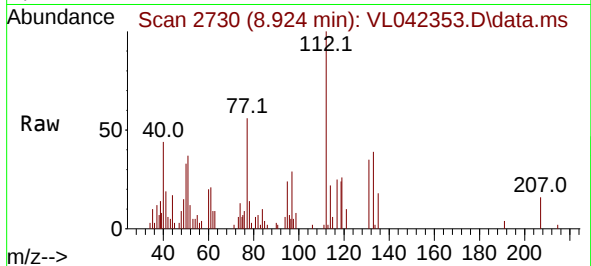




#57
Chlorobenzene
Concen: 0.117 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

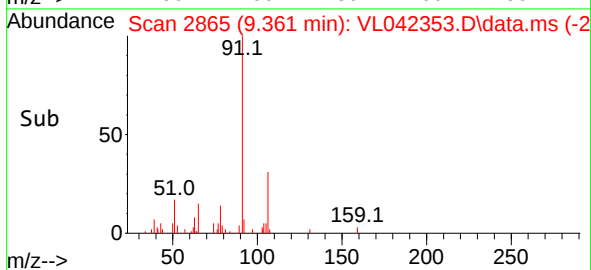
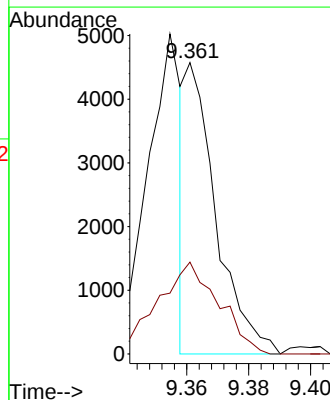
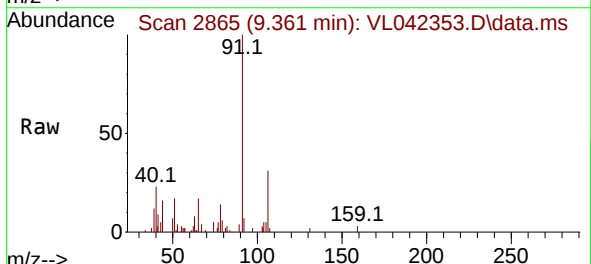
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

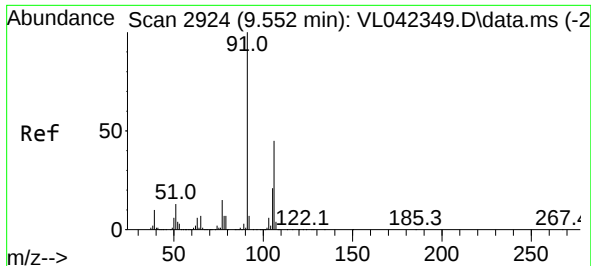
Tgt Ion: 112 Resp: 3842
Ion Ratio Lower Upper
112 100
77 50.6 57.8 86.6#
114 22.1 29.3 35.9#



#58
Ethyl Benzene
Concen: 0.050 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.007 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion: 91 Resp: 3105
Ion Ratio Lower Upper
91 100
106 31.5 23.0 34.4





#59

m/p-Xylene

Concen: 0.096 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

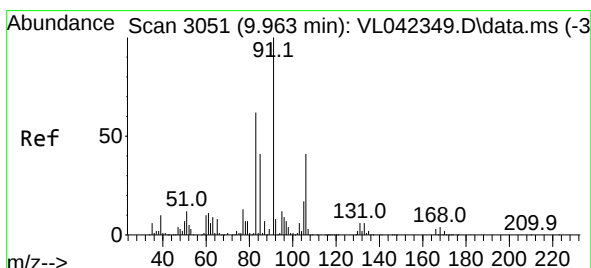
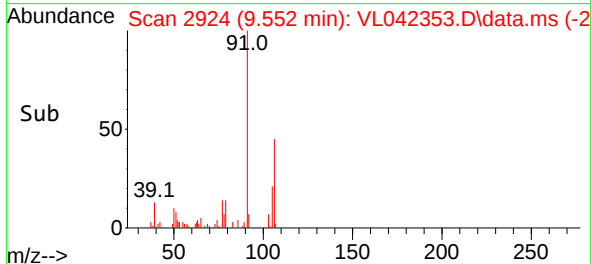
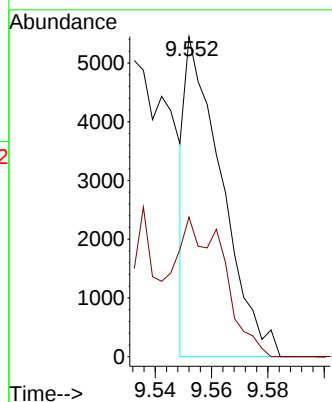
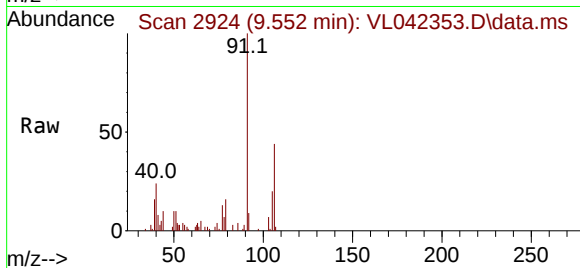
VSTDIC0.1

Tgt Ion: 91 Resp: 4844

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#60

o-Xylene

Concen: 0.106 ppbv

RT: 9.970 min Scan# 3053

Delta R.T. 0.007 min

Lab File: VL042353.D

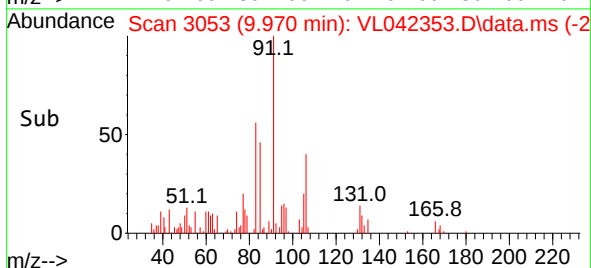
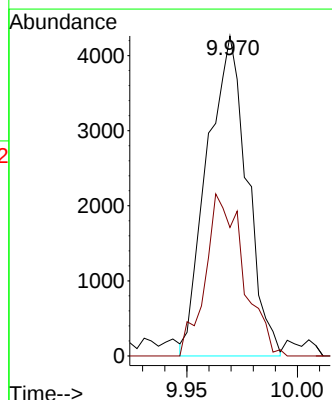
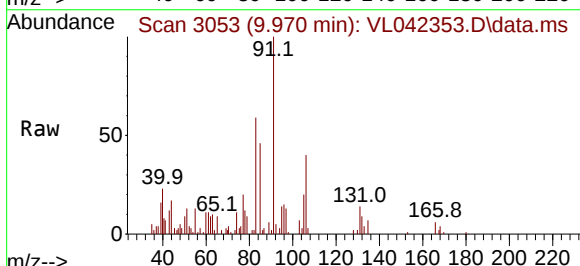
Acq: 17 Apr 2025 11:50

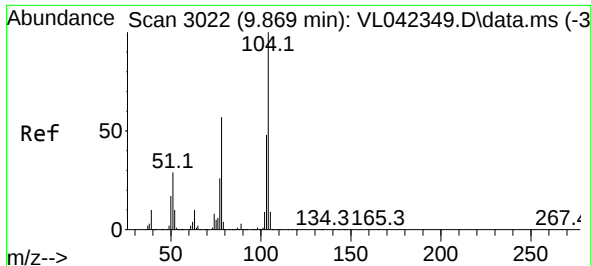
Tgt Ion: 91 Resp: 5359

Ion Ratio Lower Upper

91 100

106 48.3 21.1 63.4

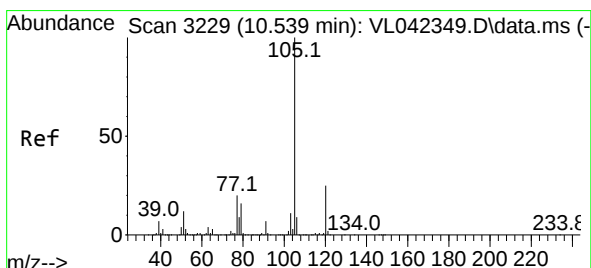
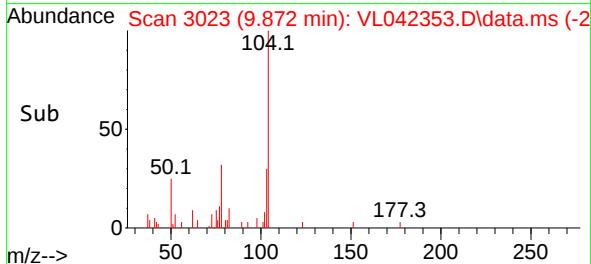
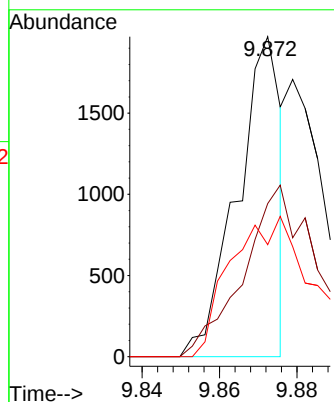
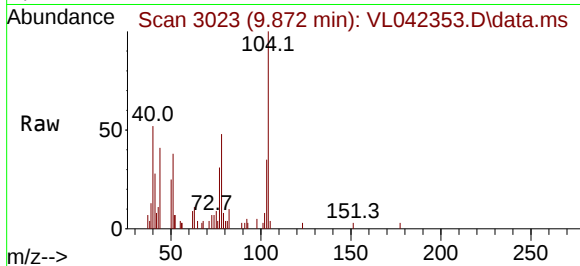




#61
Styrene
Concen: 0.064 ppbv
RT: 9.872 min Scan# 3023
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

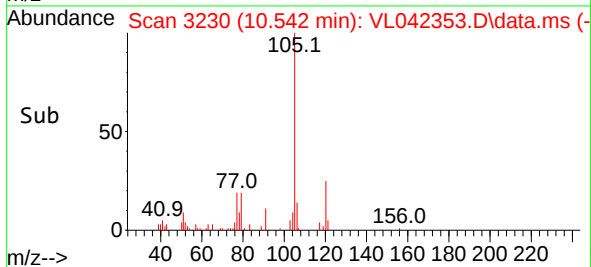
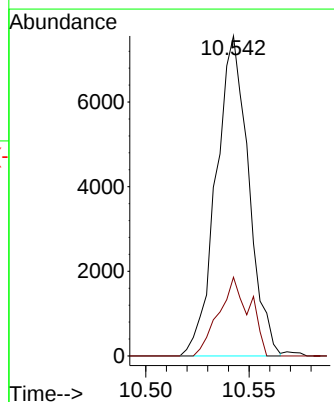
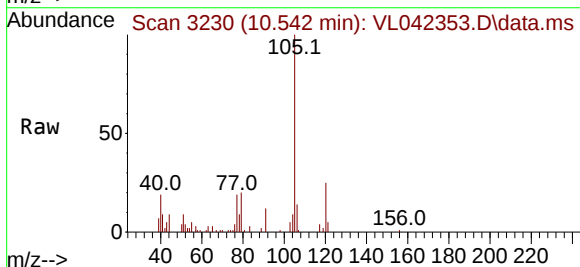
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

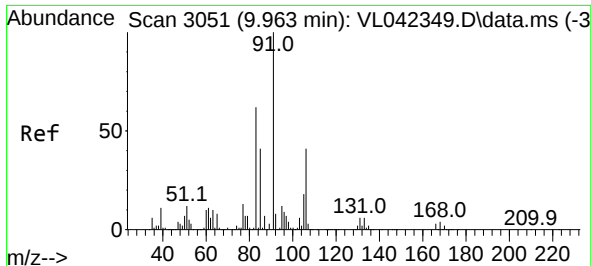
Tgt Ion:104 Resp: 1549
Ion Ratio Lower Upper
104 100
78 0.0 44.6 66.8#
103 0.0 37.4 56.0#



#62
Isopropylbenzene
Concen: 0.111 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:105 Resp: 8285
Ion Ratio Lower Upper
105 100
120 23.5 19.8 29.8





#63

1,1,2-Tetrachloroethane

Concen: 0.111 ppbv

RT: 9.966 min Scan# 3051

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

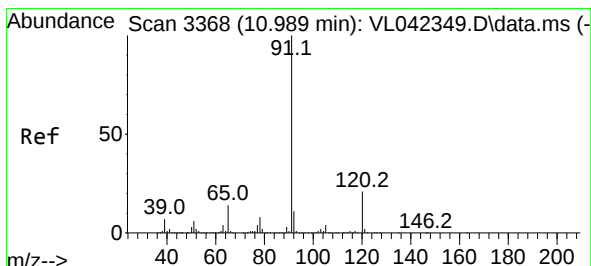
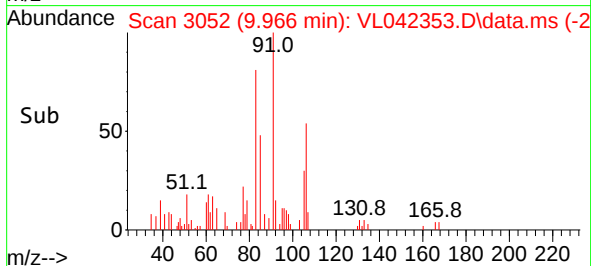
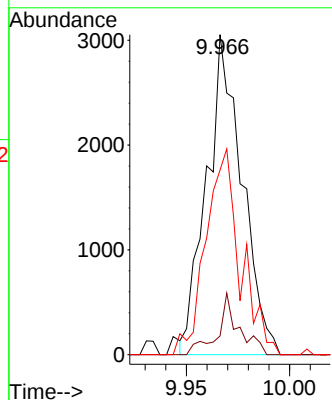
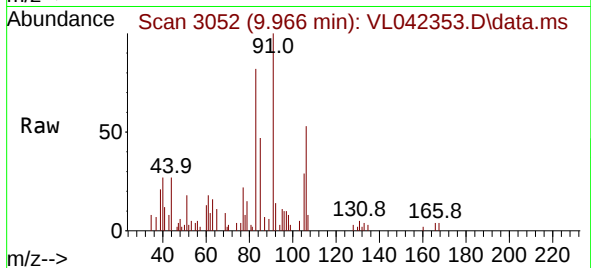
Tgt Ion: 83 Resp: 3646

Ion Ratio Lower Upper

83 100

131 11.4 4.5 13.7

85 62.7 32.4 97.0



#64

n-propylbenzene

Concen: 0.117 ppbv

RT: 10.996 min Scan# 3370

Delta R.T. 0.007 min

Lab File: VL042353.D

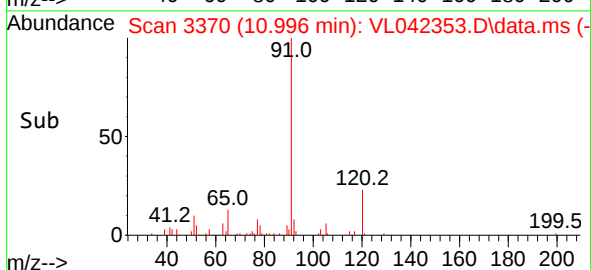
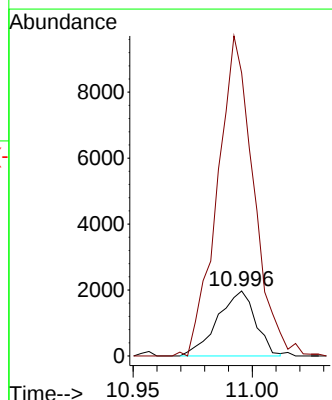
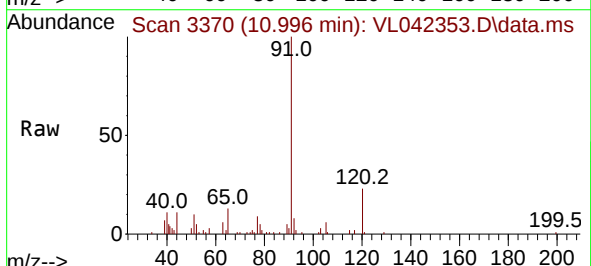
Acq: 17 Apr 2025 11:50

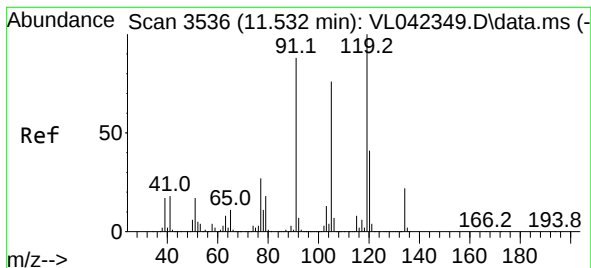
Tgt Ion:120 Resp: 2186

Ion Ratio Lower Upper

120 100

91 471.4 392.4 588.6





#65

tert-Butylbenzene

Concen: 0.127 ppbv

RT: 11.536 min Scan# 3536

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

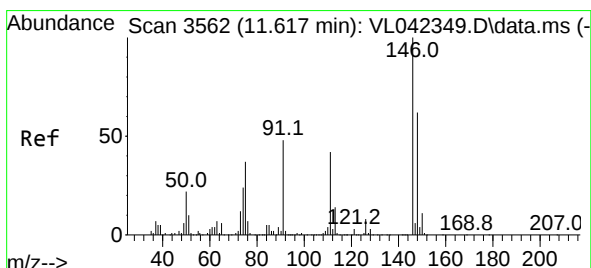
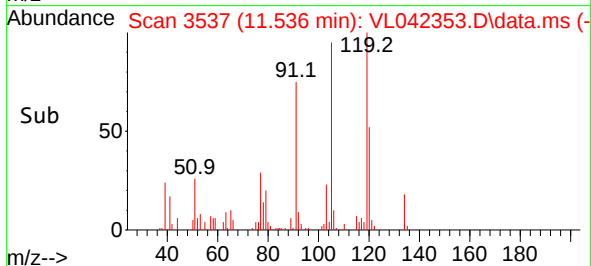
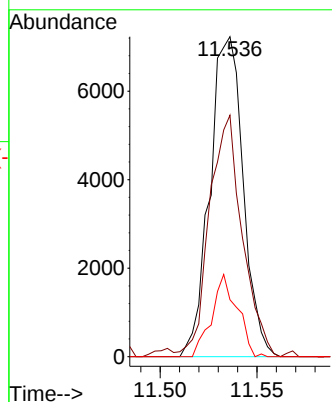
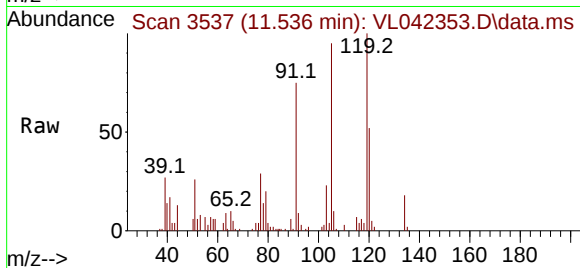
Tgt Ion:119 Resp: 8656

Ion Ratio Lower Upper

119 100

91 77.2 74.6 111.8

134 19.6 18.8 28.2



#66

Benzyl Chloride

Concen: 0.055 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. 0.000 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

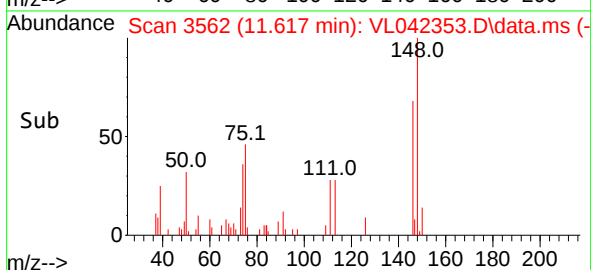
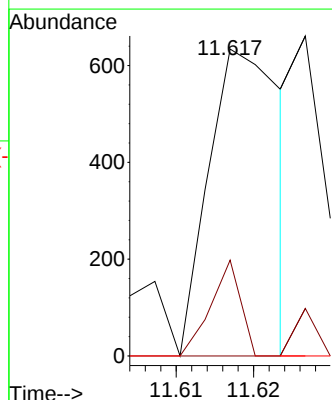
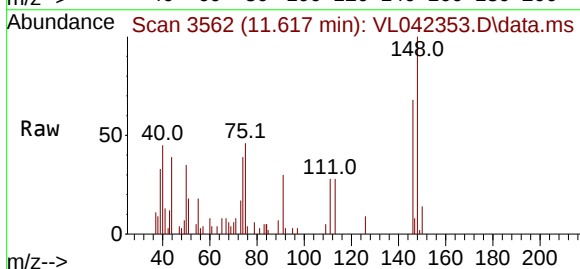
Tgt Ion: 91 Resp: 414

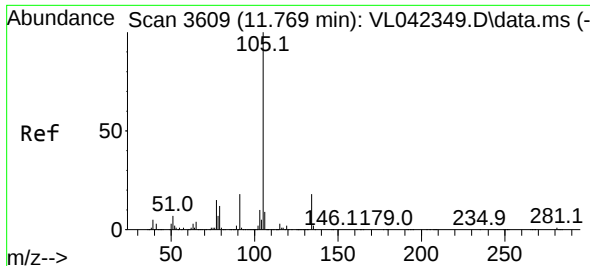
Ion Ratio Lower Upper

91 100

126 23.2 11.8 17.6#

128 0.0 4.5 6.7#

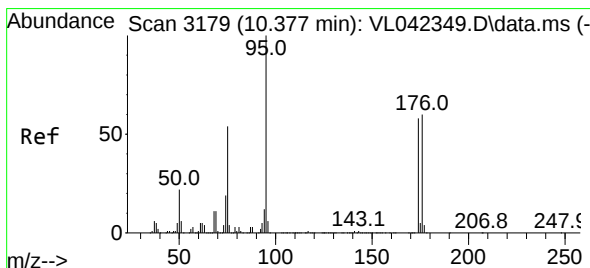
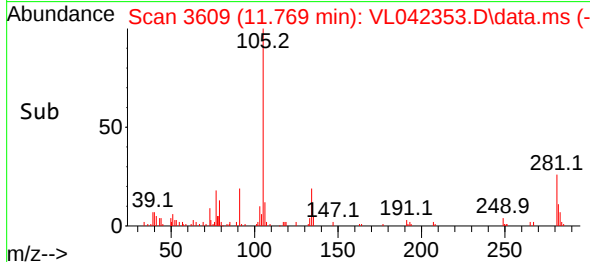
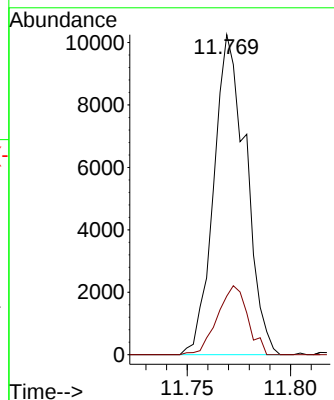
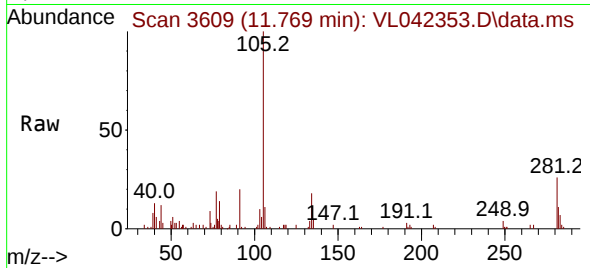




#67
 sec-Butylbenzene
 Concen: 0.117 ppbv
 RT: 11.769 min Scan# 3180
 Delta R.T. 0.000 min
 Lab File: VL042353.D
 Acq: 17 Apr 2025 11:50

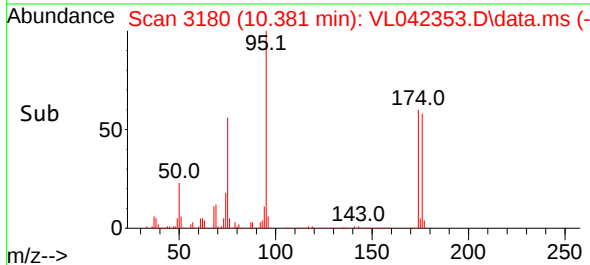
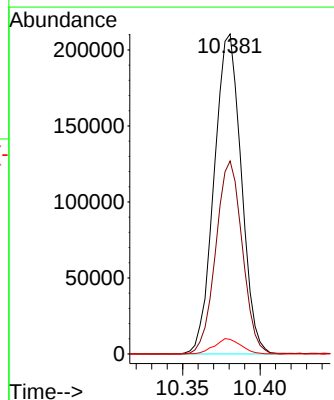
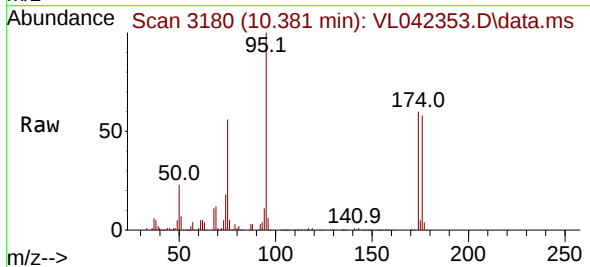
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

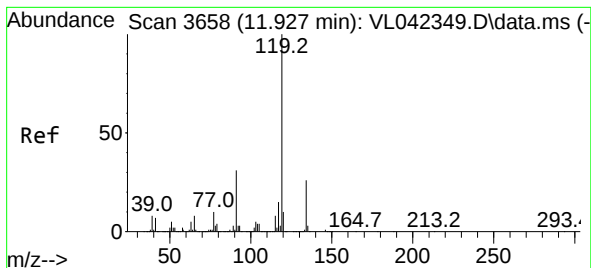
Tgt Ion:105 Resp: 11126
 Ion Ratio Lower Upper
 105 100
 134 20.2 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.906 ppbv
 RT: 10.381 min Scan# 3180
 Delta R.T. 0.004 min
 Lab File: VL042353.D
 Acq: 17 Apr 2025 11:50

Tgt Ion: 95 Resp: 256417
 Ion Ratio Lower Upper
 95 100
 174 59.3 48.5 72.7
 175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 0.115 ppbv

RT: 11.928 min Scan# 3658

Delta R.T. 0.000 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

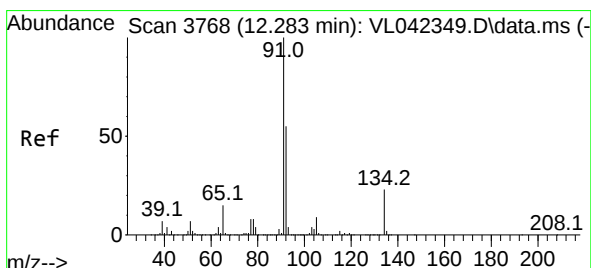
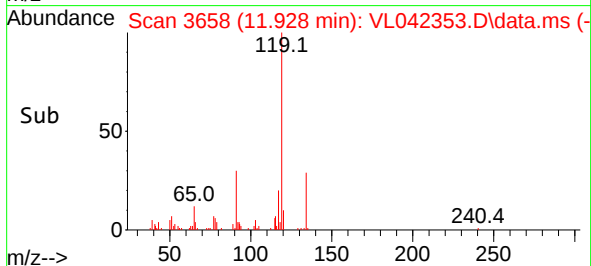
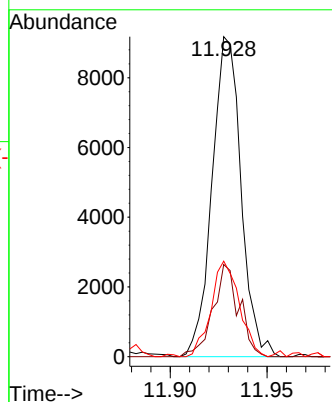
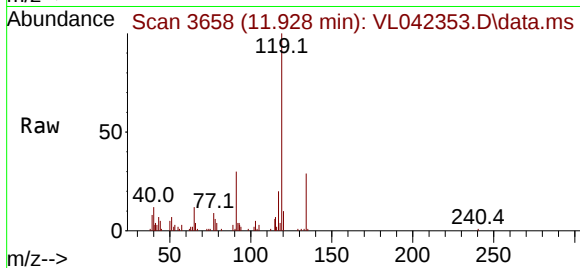
Tgt Ion:119 Resp: 9534

Ion Ratio Lower Upper

119 100

134 26.0 20.0 30.0

91 31.6 24.4 36.6



#70

n-Butylbenzene

Concen: 0.101 ppbv

RT: 12.284 min Scan# 3768

Delta R.T. 0.000 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

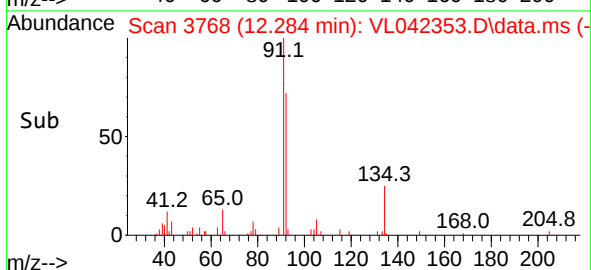
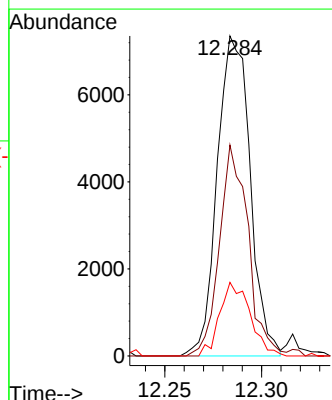
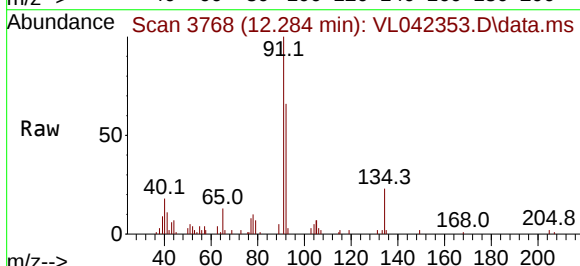
Tgt Ion: 91 Resp: 8684

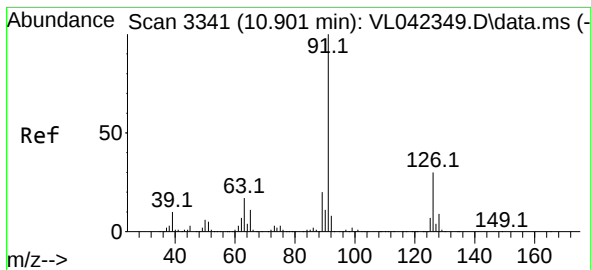
Ion Ratio Lower Upper

91 100

92 58.0 44.2 66.4

134 21.3 18.2 27.4





#71

2-Chlorotoluene

Concen: 0.115 ppbv

RT: 10.905 min Scan# 31

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

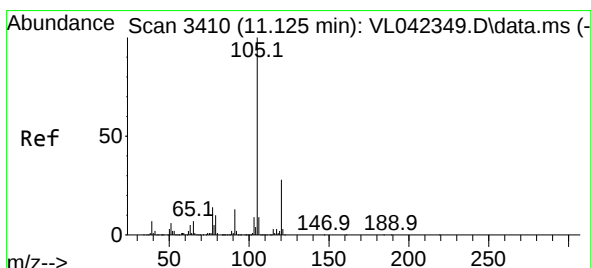
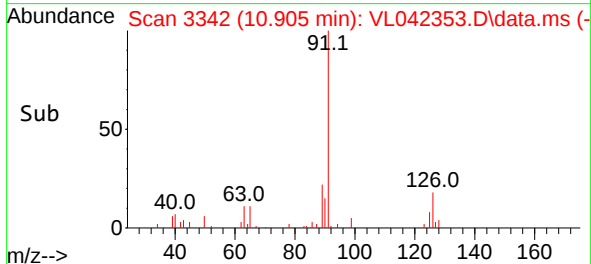
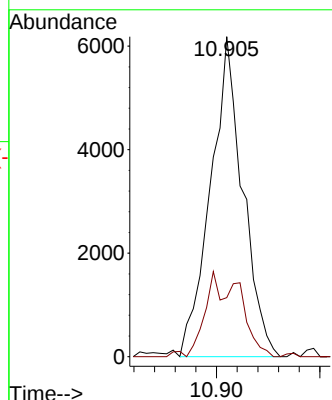
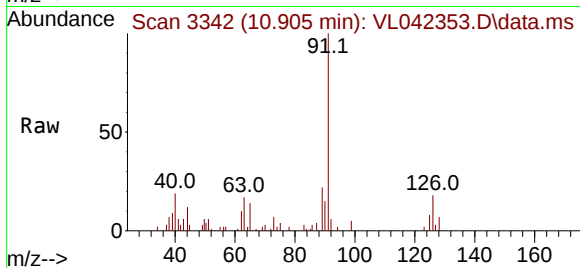
VSTDIC0.1

Tgt Ion: 91 Resp: 6703

Ion Ratio Lower Upper

91 100

126 29.2 11.4 45.4



#72

4-Ethyltoluene

Concen: 0.104 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Tgt Ion: 105 Resp: 6463

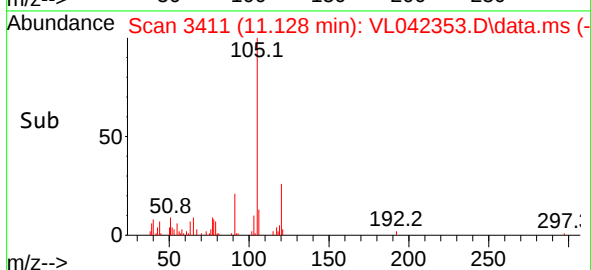
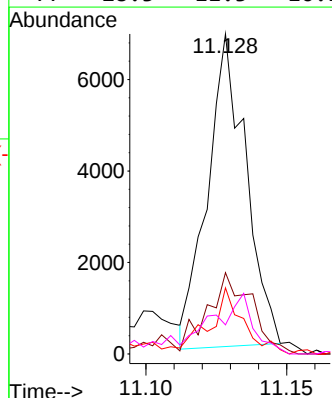
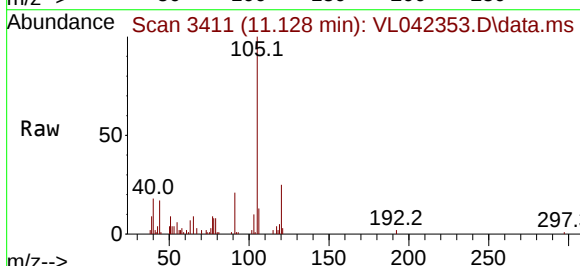
Ion Ratio Lower Upper

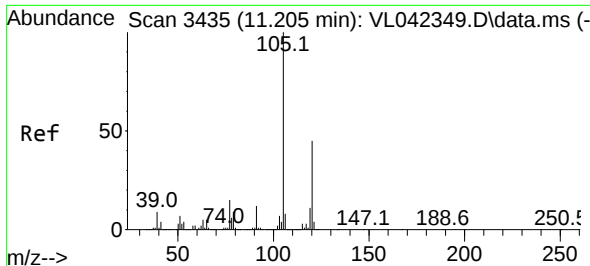
105 100

120 34.1 23.2 34.8

91 24.5 10.4 15.6#

77 28.3 11.3 16.9#

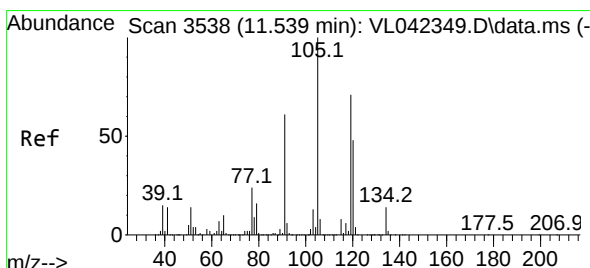
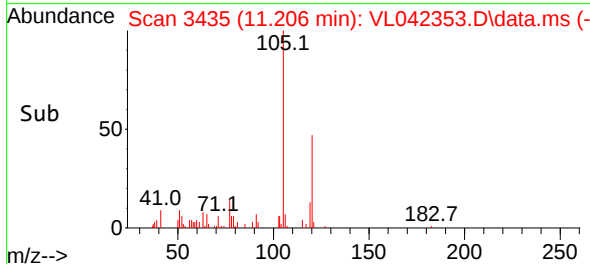
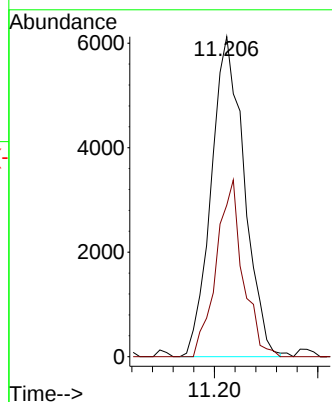
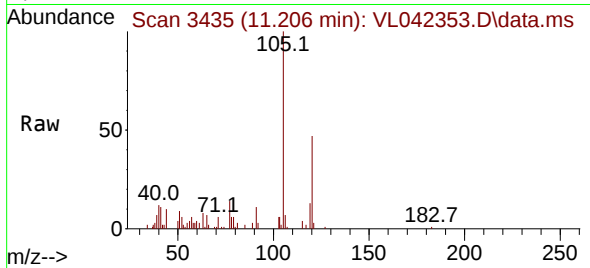




#73
1,3,5-Trimethylbenzene
Concen: 0.124 ppbv
RT: 11.206 min Scan# 3435
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

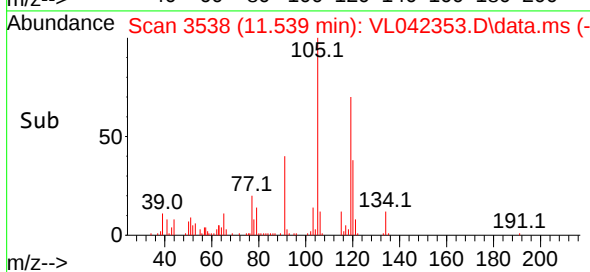
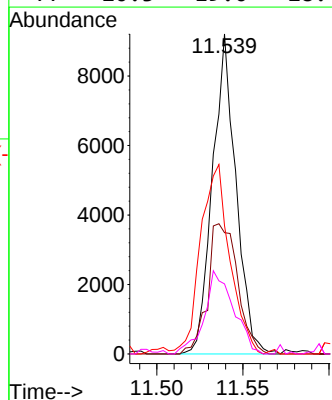
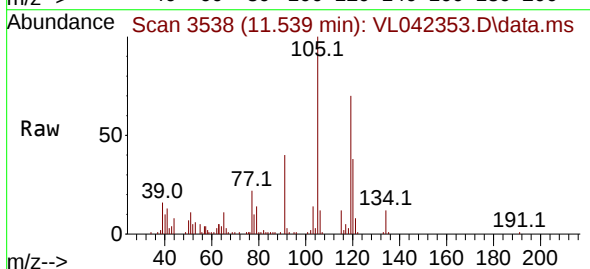
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

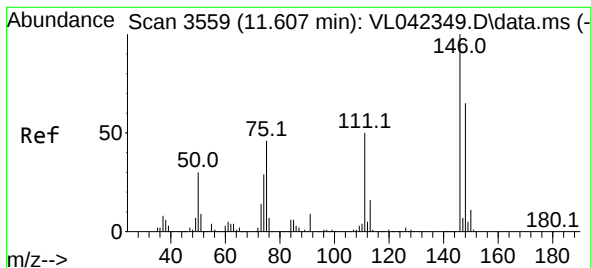
Tgt Ion:105 Resp: 6797
Ion Ratio Lower Upper
105 100
120 47.4 35.6 53.4



#74
1,2,4-Trimethylbenzene
Concen: 0.137 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. 0.000 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:105 Resp: 8745
Ion Ratio Lower Upper
105 100
120 37.9 38.1 57.1#
91 40.1 48.8 73.2#
77 20.3 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 0.098 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

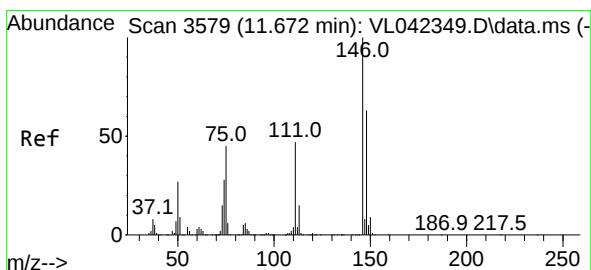
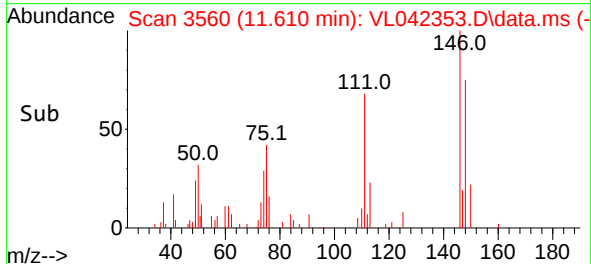
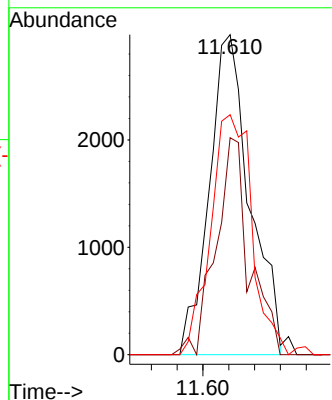
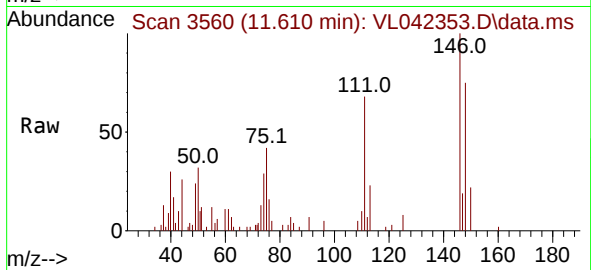
Tgt Ion:146 Resp: 3258

Ion Ratio Lower Upper

146 100

111 55.9 24.3 72.8

148 77.0 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 0.101 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. 0.007 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

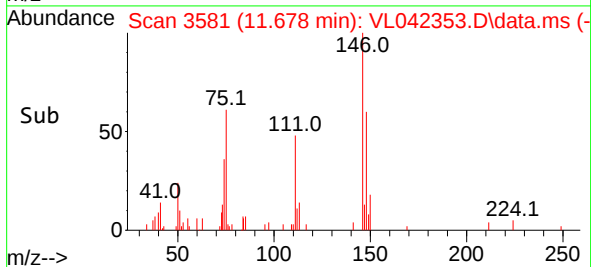
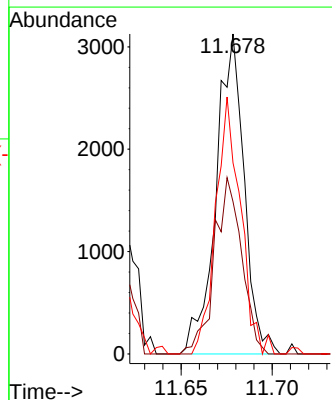
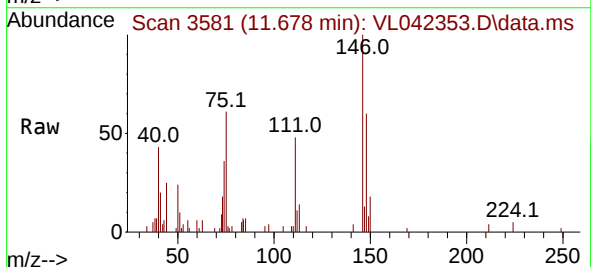
Tgt Ion:146 Resp: 3366

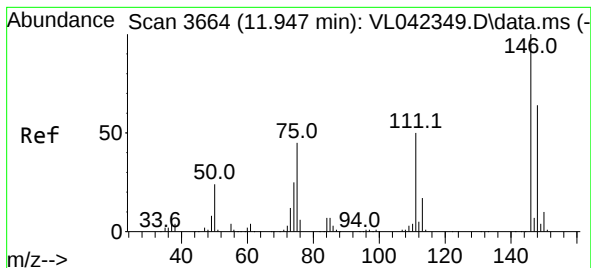
Ion Ratio Lower Upper

146 100

111 53.5 24.2 72.6

148 71.3 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 0.124 ppbv

RT: 11.950 min Scan# 3

Delta R.T. 0.004 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

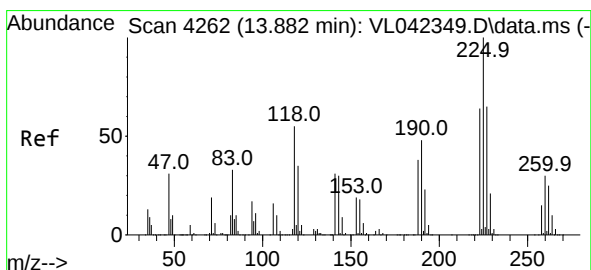
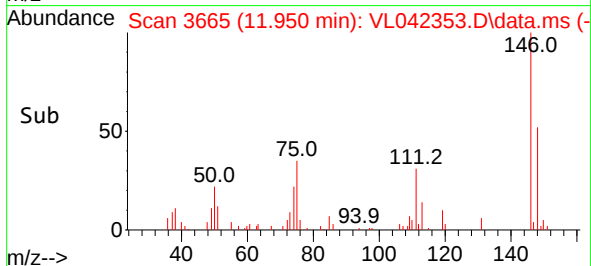
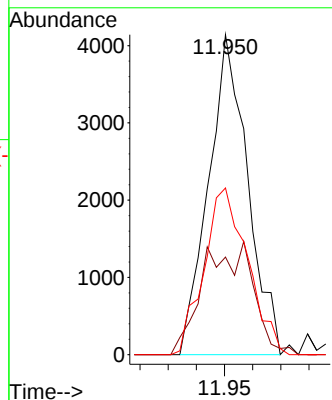
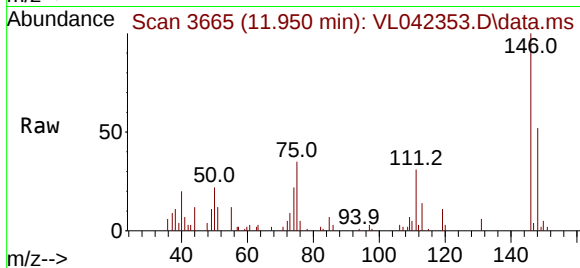
Tgt Ion:146 Resp: 3996

Ion Ratio Lower Upper

146 100

111 45.1 25.3 75.9

148 58.1 31.5 94.5



#78

Hexachloro-1,3-Butadiene

Concen: 0.124 ppbv

RT: 13.883 min Scan# 4262

Delta R.T. 0.000 min

Lab File: VL042353.D

Acq: 17 Apr 2025 11:50

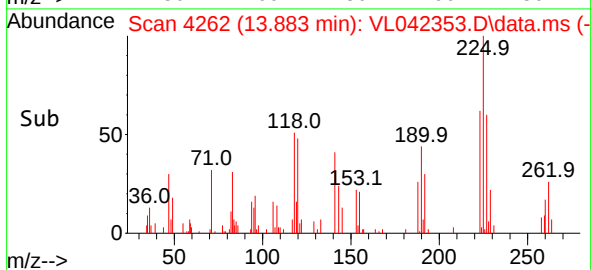
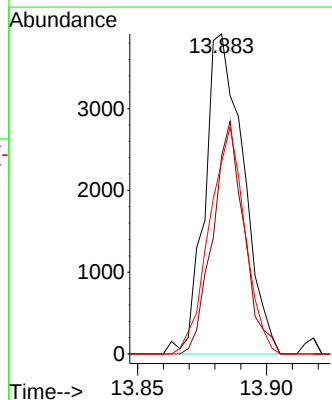
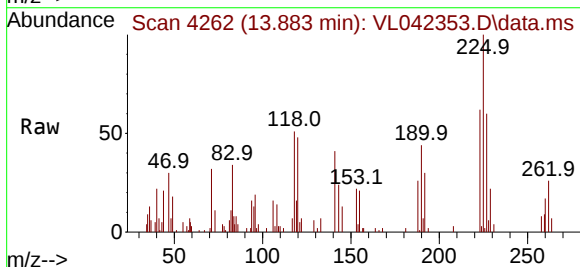
Tgt Ion:225 Resp: 4030

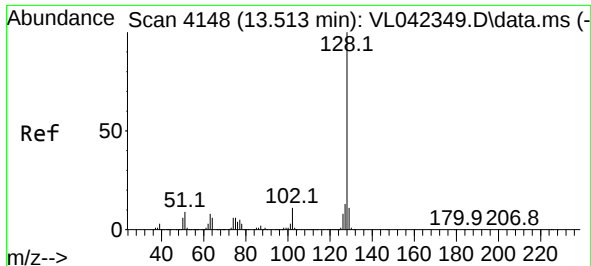
Ion Ratio Lower Upper

225 100

223 59.5 50.3 75.5

227 65.9 51.5 77.3

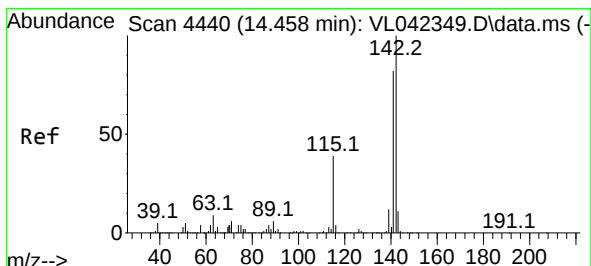
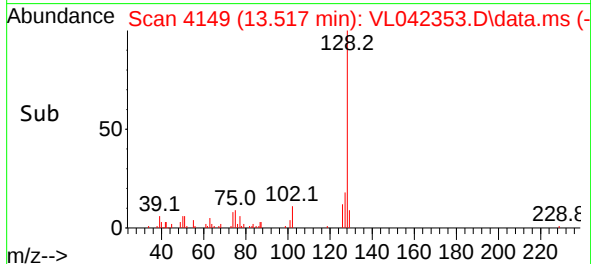
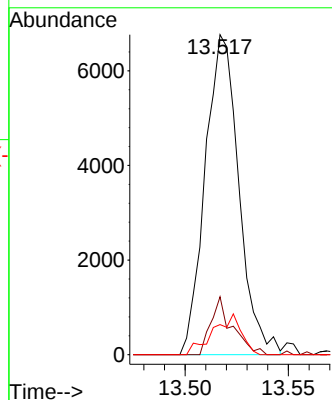
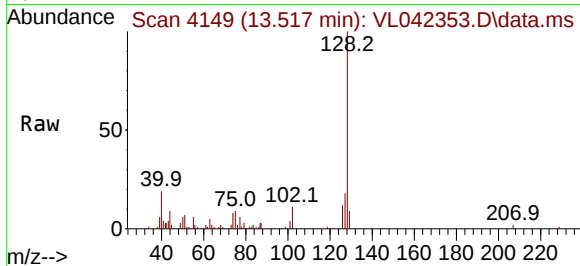




#79
Naphthalene
Concen: 0.100 ppbv
RT: 13.517 min Scan# 4148
Delta R.T. 0.004 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

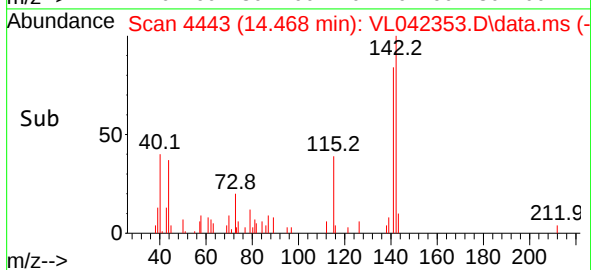
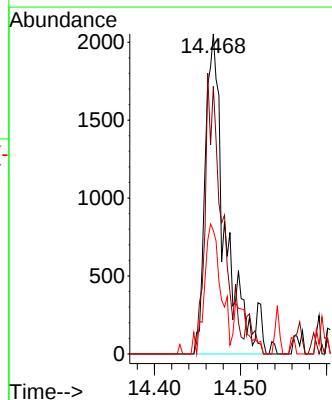
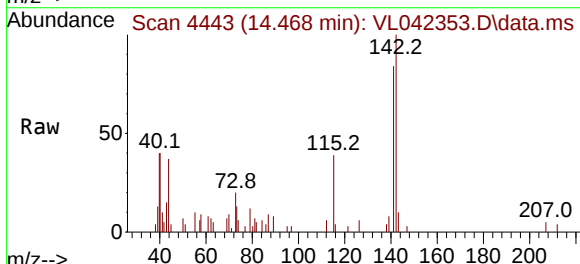
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

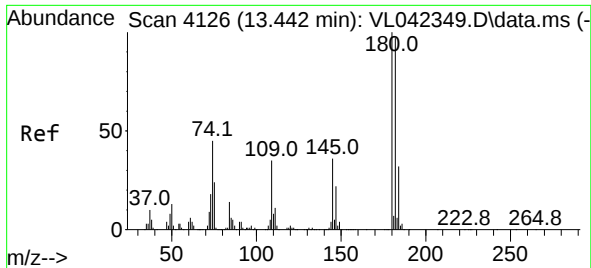
Tgt Ion:128 Resp: 7664
Ion Ratio Lower Upper
128 100
127 18.1 10.6 15.8#
129 9.4 8.6 12.8



#80
Naphthalene,2-methyl-
Concen: 0.077 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.010 min
Lab File: VL042353.D
Acq: 17 Apr 2025 11:50

Tgt Ion:142 Resp: 3339
Ion Ratio Lower Upper
142 100
141 78.4 66.8 100.2
115 33.1 33.4 50.2#





#81

1,2,4-Trichlorobenzene

Concen: 0.069 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042353.D

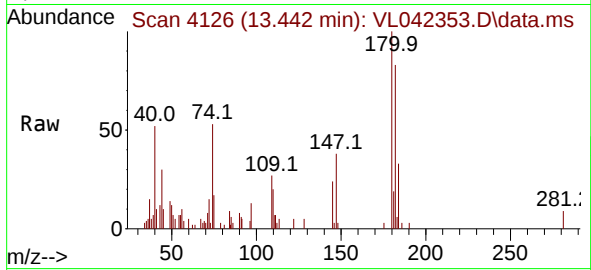
Acq: 17 Apr 2025 11:50

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:180 Resp: 2245

Ion Ratio Lower Upper

180 100

182 94.3 76.8 115.2

184 38.4 24.6 36.8#

