

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042583.D
 Acq On : 29 May 2025 13:19
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Quant Time: May 30 01:35:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 01:15:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	103370	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	302218	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	273881	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	205672	10.018	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1430	0.113	ppbv #	84
3) Chlorodifluoromethane	1.476	51	1965	0.112	ppbv	95
4) Chloromethane	1.534	50	610	0.121	ppbv #	30
5) Vinyl Chloride	1.580	62	481	0.094	ppbv #	31
6) Bromomethane	1.667	94	300	0.120	ppbv #	61
7) Chloroethane	1.706	64	97	0.049	ppbv #	67
8) Dichlorotetrafluoroethane	1.554	85	1231	0.116	ppbv	96
9) Propene	1.127	41	81	0.011	ppbv	86
10) Heptane	4.978	43	458	0.023	ppbv #	28
11) Trichlorofluoromethane	1.878	101	1340	0.113	ppbv	85
12) 1,1,2-Trichlorotrifluo...	2.140	101	968	0.104	ppbv #	74
13) Ethanol	1.722	45	110	0.140	ppbv	71
14) Bromoethene	1.784	108	334	0.096	ppbv #	63
15) Acetone	1.839	43	2272	0.182	ppbv #	86
16) 1,3-Butadiene	1.609	39	739	0.125	ppbv	98
17) tert-Butyl alcohol	2.049	59	1477	0.114	ppbv #	50
18) 1,1-Dichloroethene	2.036	96	501	0.116	ppbv	89
19) Isopropyl Alcohol	1.890	45	1079	0.145	ppbv #	38
20) Methylene Chloride	2.062	84	1160	0.282	ppbv #	92
21) Allyl Chloride	2.094	41	1240	0.141	ppbv #	60
22) trans-1,2-Dichloroethene	2.036	96	501	0.104	ppbv	92
23) Vinyl Acetate	2.467	43	2108	0.125	ppbv #	72
24) 1,1-Dichloroethane	2.412	63	1231	0.124	ppbv #	86
25) Ethyl Acetate	2.849	43	2623	0.077	ppbv #	77
26) Hexane	2.829	57	1816	0.117	ppbv #	8
27) Carbon Disulfide	2.153	76	641	0.054	ppbv #	1
28) Methyl tert-Butyl Ether	2.444	73	614	0.098	ppbv #	50
29) Chloroform	2.849	83	2298	0.114	ppbv #	72
30) Cyclohexane	3.865	84	743	0.058	ppbv #	1
31) cis-1,2-Dichloroethene	2.722	61	1499	0.106	ppbv #	78
32) 1,1,1-Trichloroethane	3.373	97	2153	0.107	ppbv	90
34) 2-Butanone	2.567	43	3113	0.144	ppbv #	87
35) Carbon Tetrachloride	3.768	117	2135	0.107	ppbv #	76
36) Benzene	3.661	78	3109	0.104	ppbv #	89
37) 1,2-Dichloroethane	3.221	62	1731	0.117	ppbv	99
38) Trichloroethene	4.548	130	963	0.076	ppbv #	62
39) 1,2-Dichloropropane	3.962	63	73521	6.683	ppbv #	22
40) 1,4-Dioxane	4.612	88	74	0.016	ppbv #	1
41) Tetrahydrofuran	3.072	42	1452	0.115	ppbv	94
42) Bromodichloromethane	4.496	83	1835	0.087	ppbv #	87
43) Methyl Methacrylate	4.891	69	685	0.059	ppbv #	1
44) 2,2,4-Trimethylpentane	4.651	57	3117	0.061	ppbv #	24
45) t-1,3-Dichloropropene	6.419	75	397	0.030	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042583.D
 Acq On : 29 May 2025 13:19
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

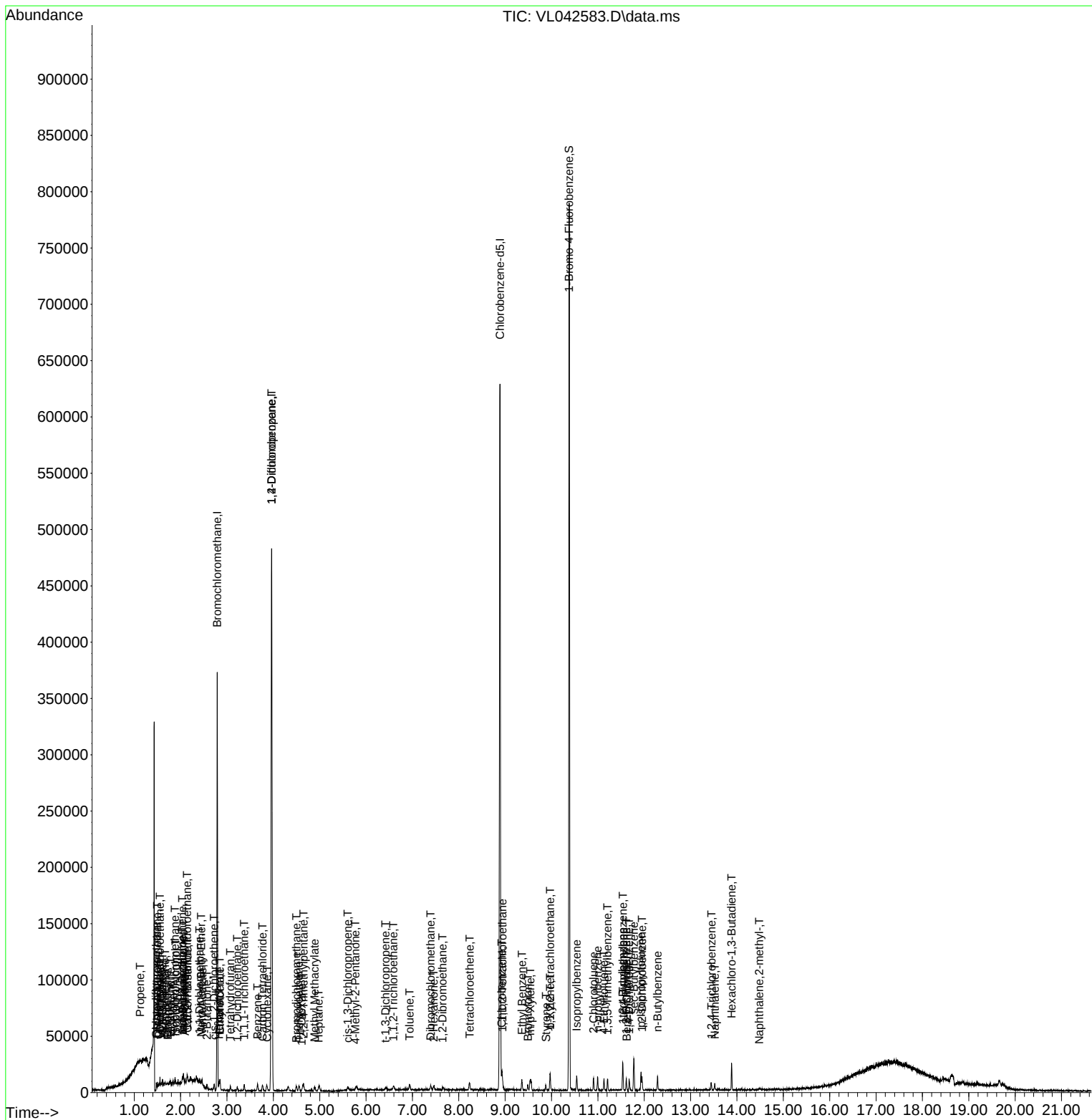
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 ClientSampleId :
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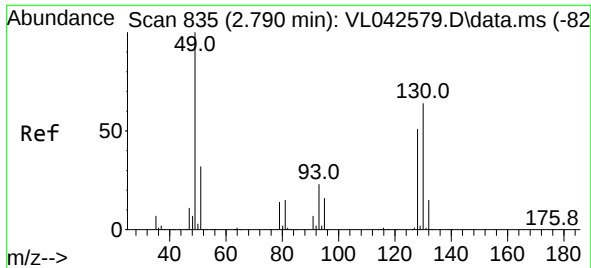
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 01:15:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
46) cis-1,3-Dichloropropene	5.606	75	449	0.027	ppbv	#	57
47) 1,1,2-Trichloroethane	6.590	97	786	0.069	ppbv	#	61
48) Dibromochloromethane	7.393	129	1718	0.094	ppbv		87
49) Bromoform	9.490	173	1444	0.092	ppbv		91
50) 4-Methyl-2-Pentanone	5.768	43	563	0.019	ppbv	#	33
51) 2-Hexanone	7.457	43	1172	0.049	ppbv	#	28
52) Tetrachloroethene	8.238	164	1060	0.095	ppbv	#	73
53) Toluene	6.940	91	1577	0.046	ppbv	#	1
54) 1,2-Dibromoethane	7.648	107	492	0.029	ppbv		89
56) 1,1,1,2-Tetrachloroethane	8.940	131	527	0.038	ppbv	#	9
57) Chlorobenzene	8.924	112	1397	0.053	ppbv	#	71
58) Ethyl Benzene	9.361	91	3383	0.073	ppbv		96
59) m/p-Xylene	9.542	91	3685	0.101	ppbv	#	29
60) o-Xylene	9.972	91	3081	0.084	ppbv		76
61) Styrene	9.882	104	1504	0.087	ppbv		88
62) Isopropylbenzene	10.542	105	5949	0.110	ppbv		99
63) 1,1,2,2-Tetrachloroethane	9.969	83	2267	0.098	ppbv		96
64) n-propylbenzene	10.992	120	1232	0.085	ppbv	#	63
65) tert-Butylbenzene	11.536	119	5169	0.106	ppbv		96
66) Benzyl Chloride	11.623	91	234	0.037	ppbv	#	66
67) sec-Butylbenzene	11.775	105	3973	0.058	ppbv	#	59
69) p-Isopropyltoluene	11.934	119	5605	0.097	ppbv		95
70) n-Butylbenzene	12.287	91	4829	0.085	ppbv		97
71) 2-Chlorotoluene	10.908	91	4065	0.099	ppbv		96
72) 4-Ethyltoluene	11.131	105	3986	0.088	ppbv	#	95
73) 1,3,5-Trimethylbenzene	11.206	105	3615	0.096	ppbv	#	83
74) 1,2,4-Trimethylbenzene	11.542	105	4287	0.103	ppbv	#	82
75) 1,3-Dichlorobenzene	11.613	146	2648	0.101	ppbv		91
76) 1,4-Dichlorobenzene	11.675	146	2574	0.098	ppbv		94
77) 1,2-Dichlorobenzene	11.953	146	2775	0.109	ppbv		97
78) Hexachloro-1,3-Butadiene	13.882	225	2440	0.116	ppbv		91
79) Naphthalene	13.523	128	2887	0.074	ppbv		98
80) Naphthalene,2-methyl-	14.481	142	688	0.039	ppbv	#	82
81) 1,2,4-Trichlorobenzene	13.448	180	1109	0.050	ppbv	#	70

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

Quant Time: May 30 01:35:41 2025
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QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

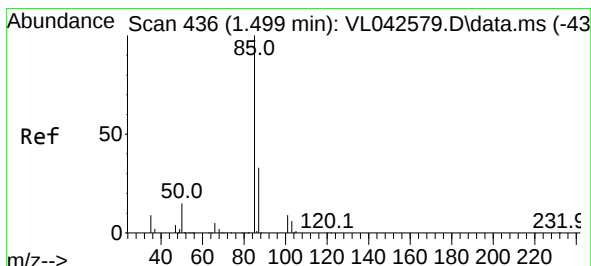
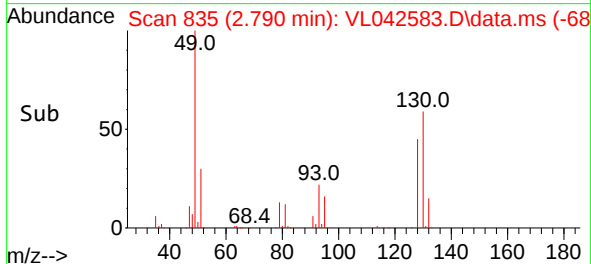
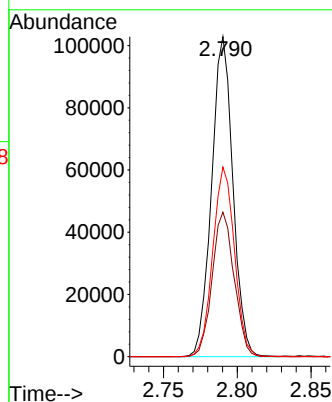
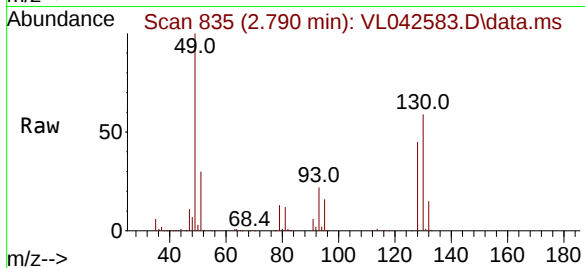




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

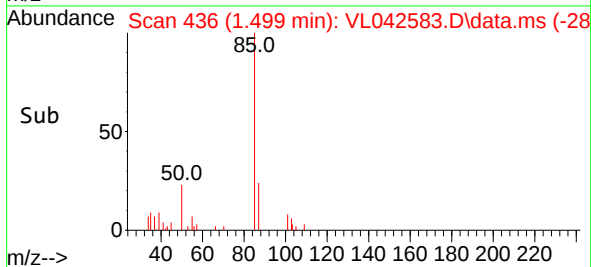
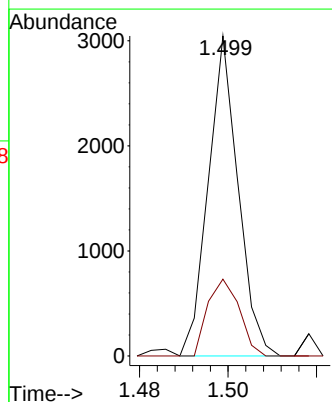
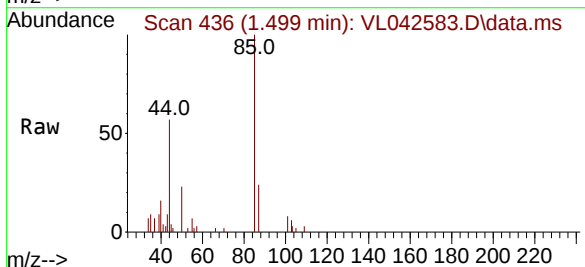
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MSVOA_L
ClientSampleId :
VSTDIC0.1

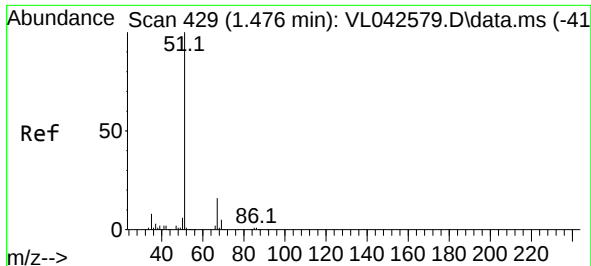
Tgt Ion: 49 Resp: 103370
Ion Ratio Lower Upper
49 100
128 46.5 24.2 72.6
130 60.4 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 0.113 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 85 Resp: 1430
Ion Ratio Lower Upper
85 100
87 24.0 26.6 39.8

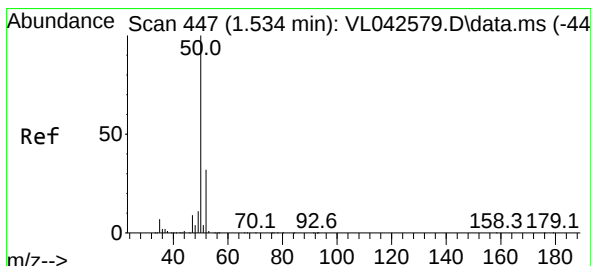
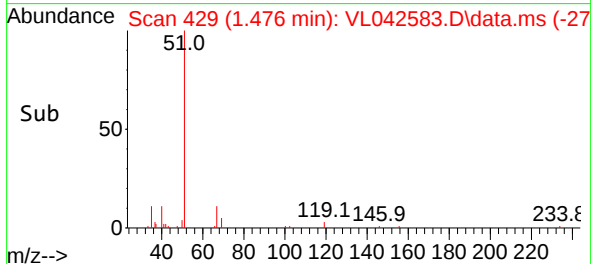
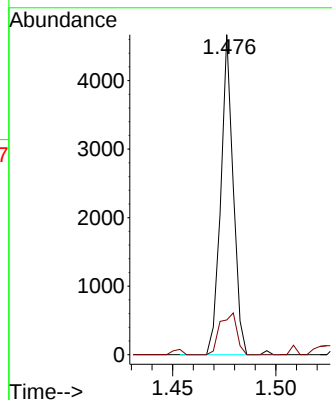
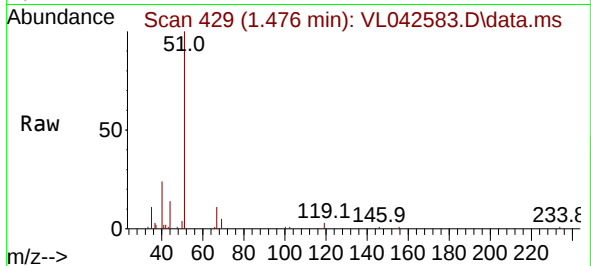




#3
Chlorodifluoromethane
Concen: 0.112 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

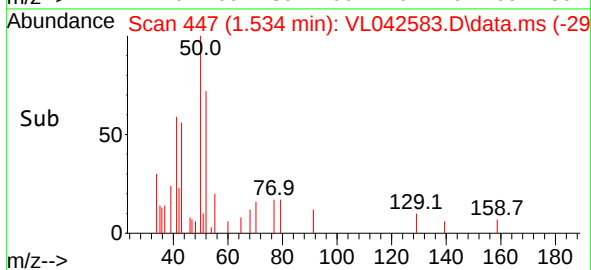
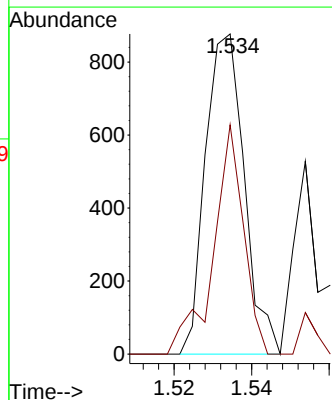
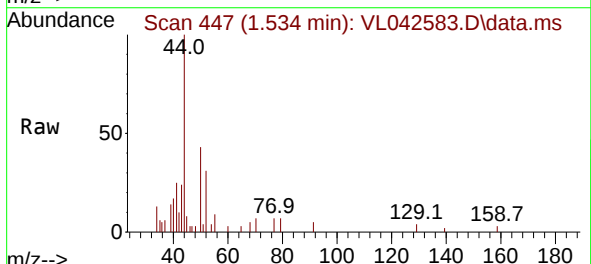
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

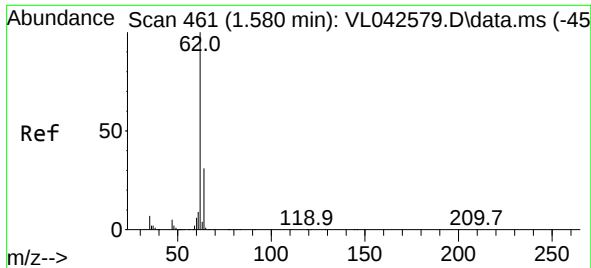
Tgt Ion: 51 Resp: 1965
Ion Ratio Lower Upper
51 100
67 19.0 13.4 20.2



#4
Chloromethane
Concen: 0.121 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 50 Resp: 610
Ion Ratio Lower Upper
50 100
52 71.6 25.8 38.6#

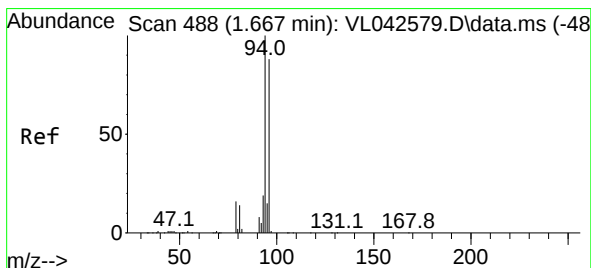
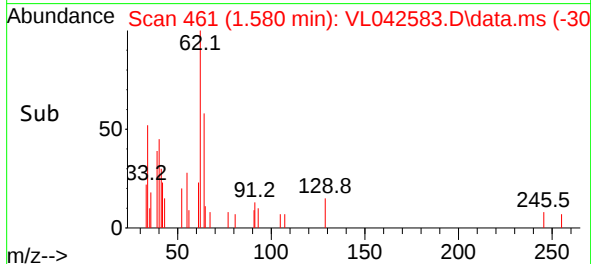
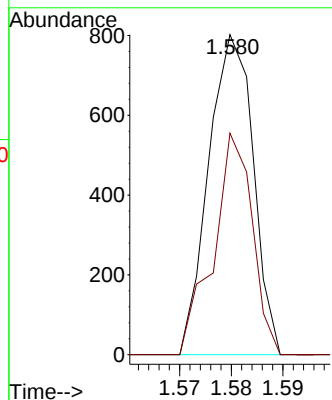
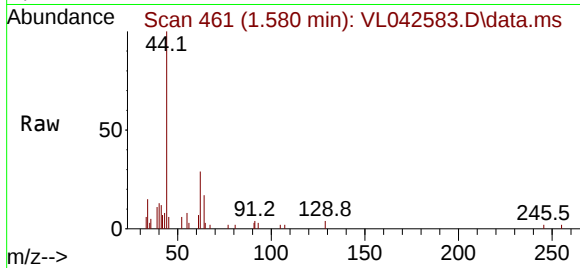




#5
 Vinyl Chloride
 Concen: 0.094 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042583.D
 Acq: 29 May 2025 13:19

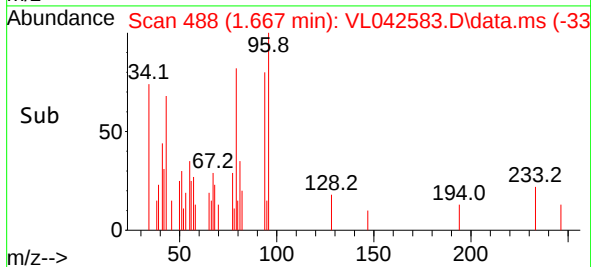
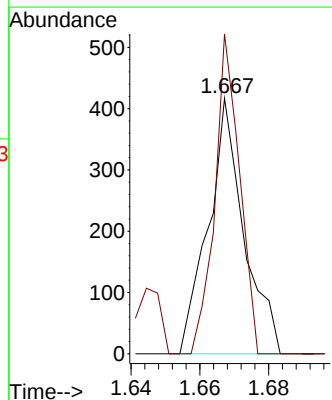
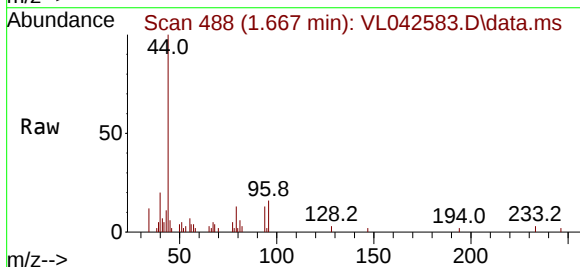
Instrument :
 MSVOA_1
 ClientSampleId :
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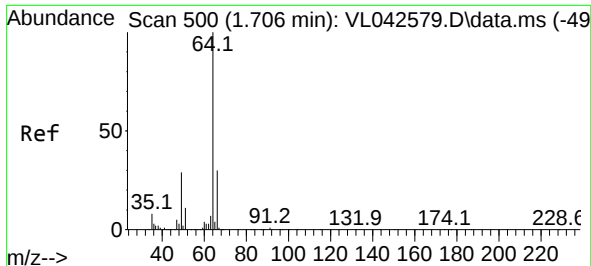
Tgt Ion: 62 Resp: 481
 Ion Ratio Lower Upper
 62 100
 64 69.2 24.9 37.3#



#6
 Bromomethane
 Concen: 0.120 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042583.D
 Acq: 29 May 2025 13:19

Tgt Ion: 94 Resp: 300
 Ion Ratio Lower Upper
 94 100
 96 125.2 70.7 106.1#

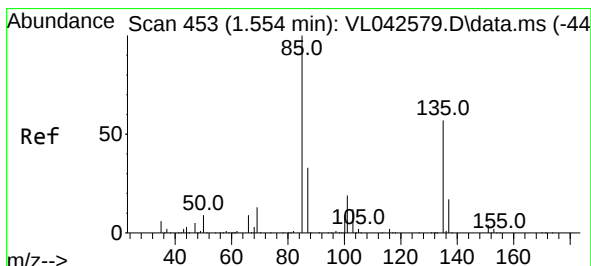
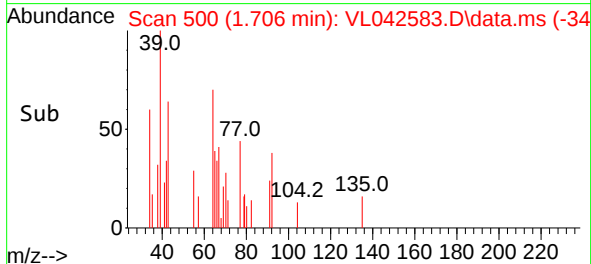
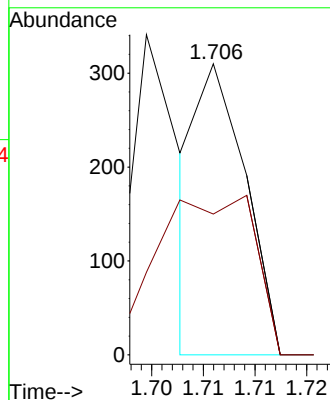
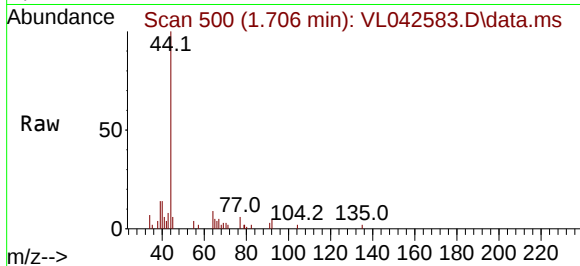




#7
Chloroethane
Concen: 0.049 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

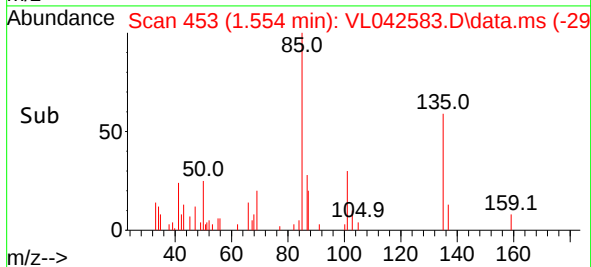
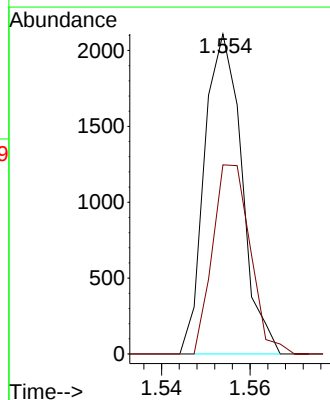
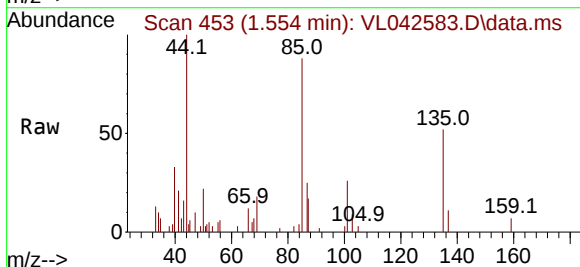
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ClientSampleId :
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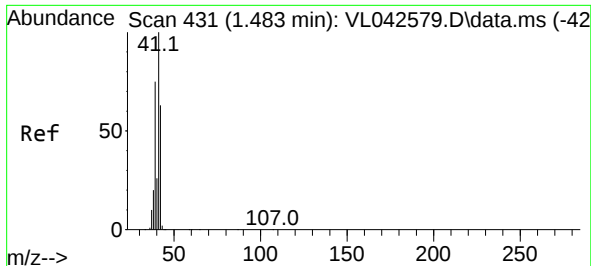
Tgt Ion: 64 Resp: 97
Ion Ratio Lower Upper
64 100
66 48.4 24.3 36.5#



#8
Dichlorotetrafluoroethane
Concen: 0.116 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 85 Resp: 1231
Ion Ratio Lower Upper
85 100
135 59.9 50.2 75.4





#9

Propene

Concen: 0.011 ppbv

RT: 1.127 min Scan# 31

Delta R.T. -0.356 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

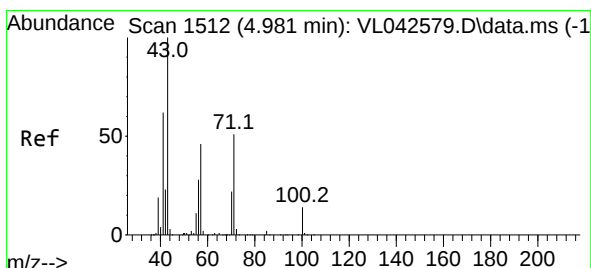
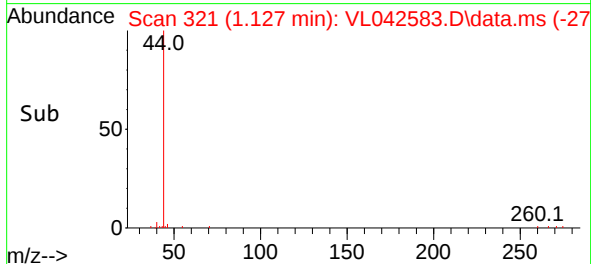
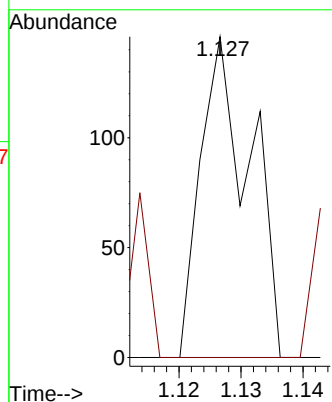
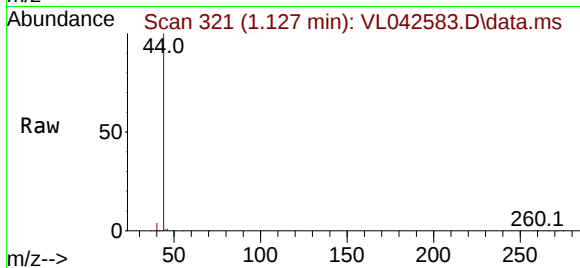
VSTDIC0.1

Tgt Ion: 41 Resp: 81

Ion Ratio Lower Upper

41 100

42 55.6 53.3 79.9



#10

Heptane

Concen: 0.023 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.003 min

Lab File: VL042583.D

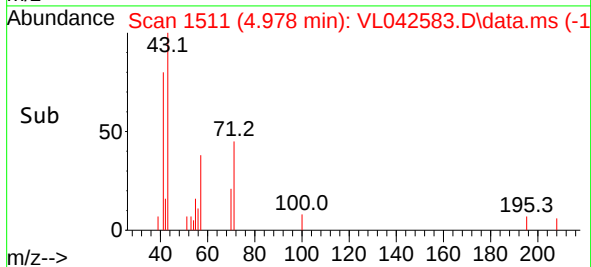
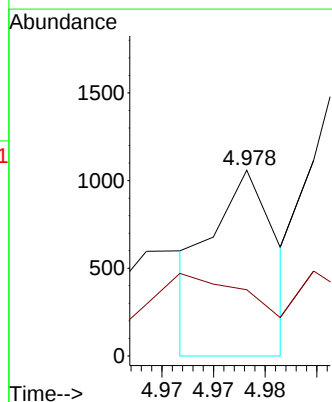
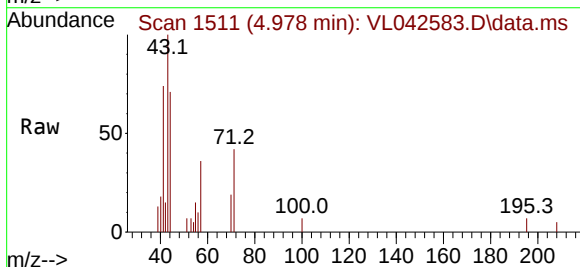
Acq: 29 May 2025 13:19

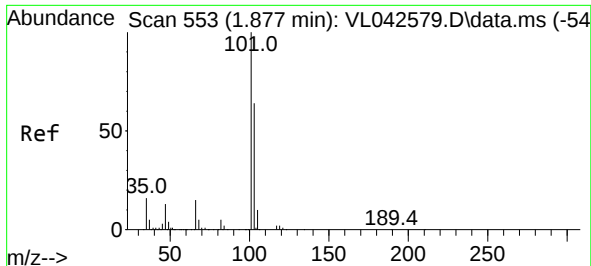
Tgt Ion: 43 Resp: 458

Ion Ratio Lower Upper

43 100

57 0.0 38.9 58.3#

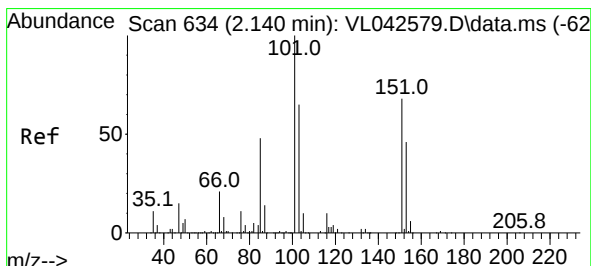
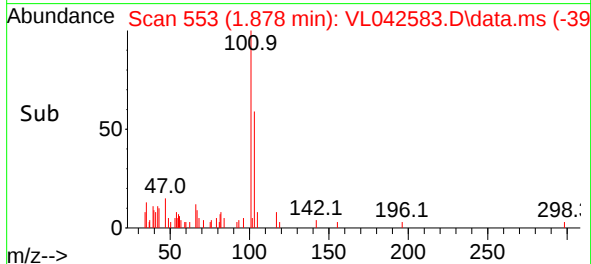
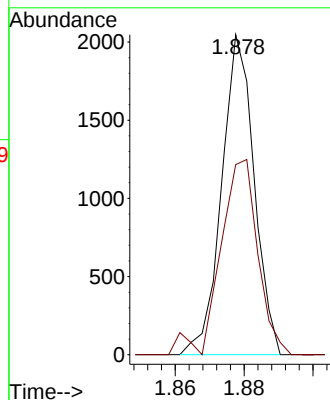
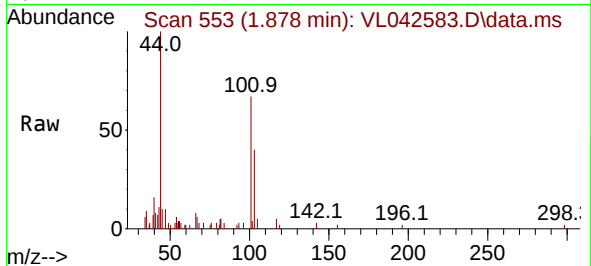




#11
 Trichlorofluoromethane
 Concen: 0.113 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042583.D
 Acq: 29 May 2025 13:19

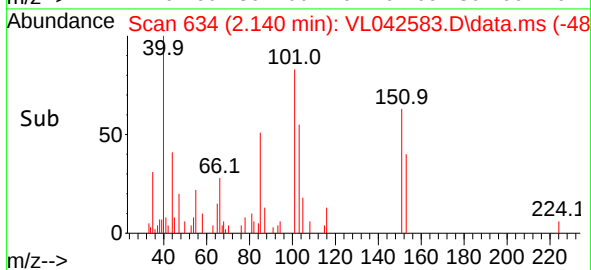
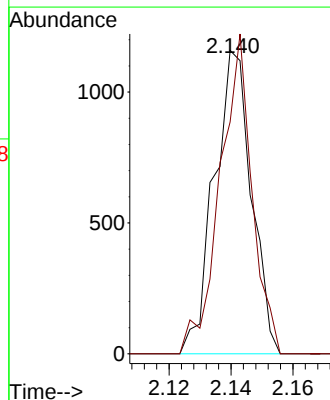
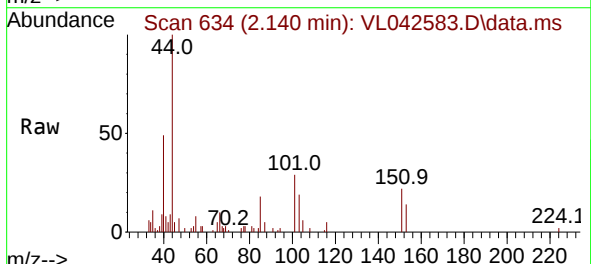
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

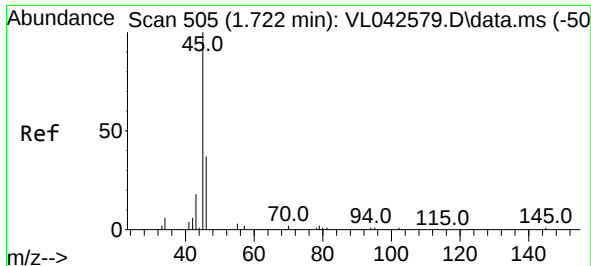
Tgt Ion:101 Resp: 1340
 Ion Ratio Lower Upper
 101 100
 103 52.7 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.104 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042583.D
 Acq: 29 May 2025 13:19

Tgt Ion:101 Resp: 968
 Ion Ratio Lower Upper
 101 100
 151 90.6 55.3 82.9#

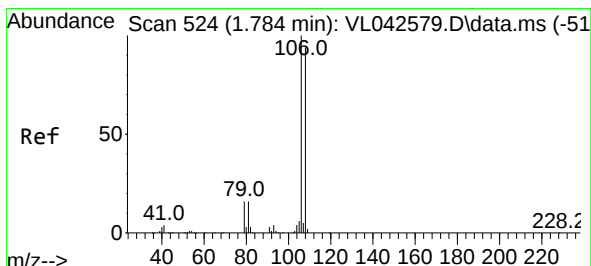
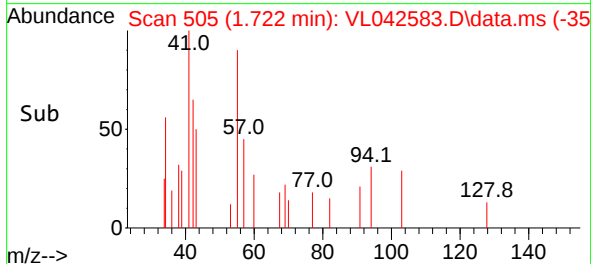
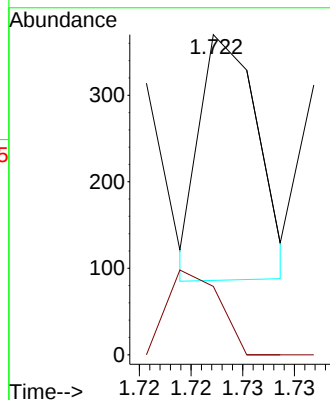
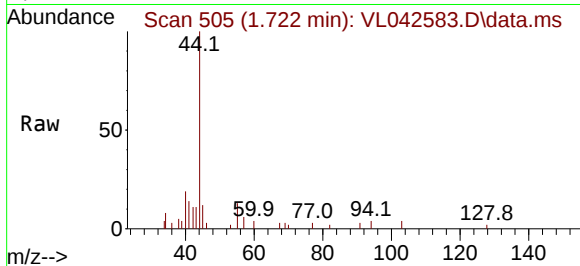




#13
Ethanol
Concen: 0.140 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

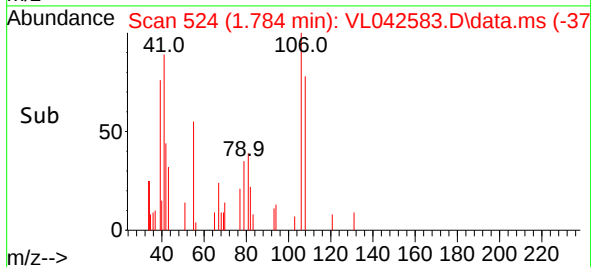
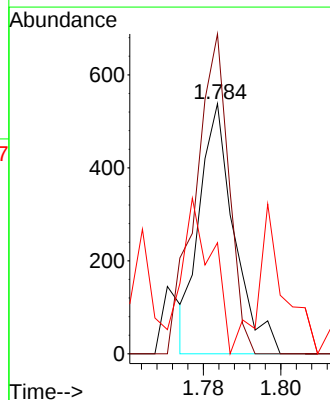
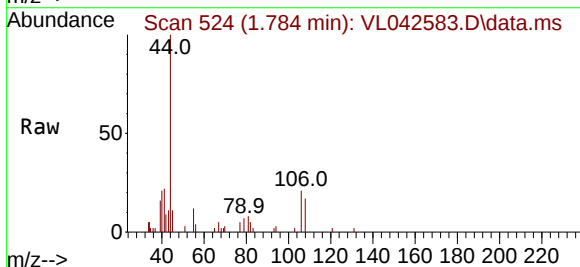
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

Tgt Ion: 45 Resp: 110
Ion Ratio Lower Upper
45 100
46 53.6 14.5 58.1



#14
Bromoethene
Concen: 0.096 ppbv
RT: 1.784 min Scan# 524
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 108 Resp: 334
Ion Ratio Lower Upper
108 100
106 123.1 87.9 131.9
79 98.2 15.6 23.4

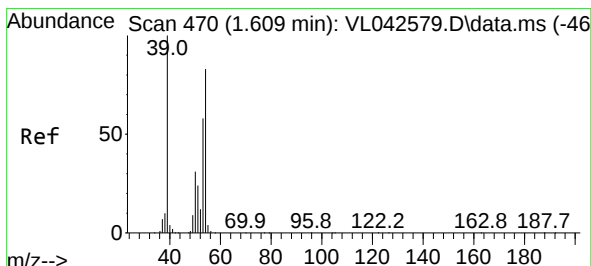
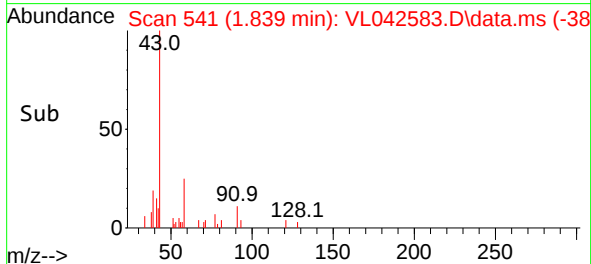
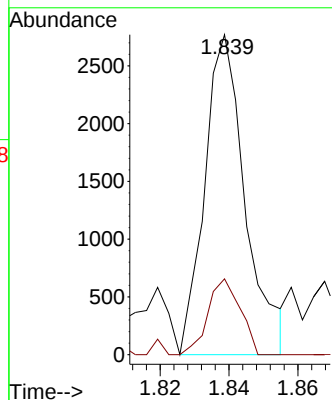
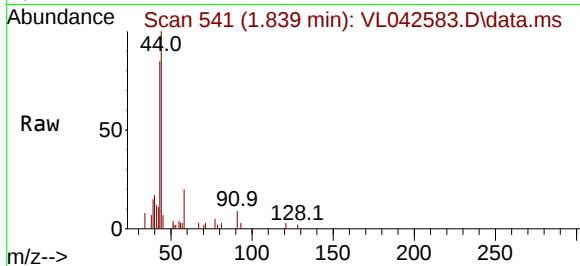




#15
Acetone
Concen: 0.182 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

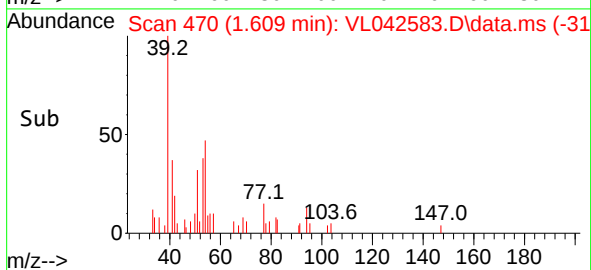
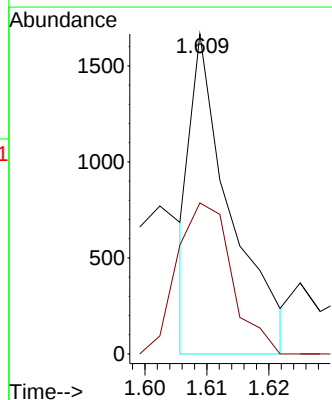
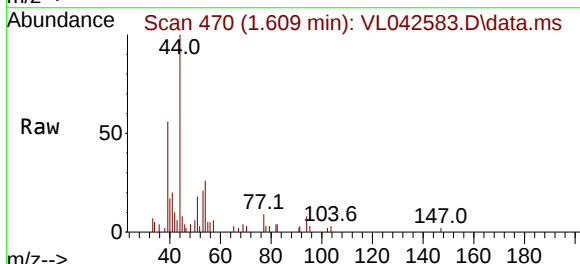
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 43 Resp: 2272
Ion Ratio Lower Upper
43 100
58 18.9 21.0 31.4#



#16
1,3-Butadiene
Concen: 0.125 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 39 Resp: 739
Ion Ratio Lower Upper
39 100
54 70.4 57.9 86.9





#17

tert-Butyl alcohol

Concen: 0.114 ppbv

RT: 2.049 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

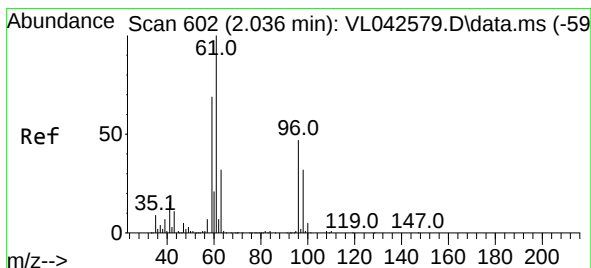
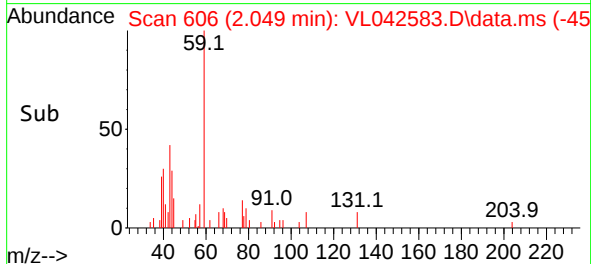
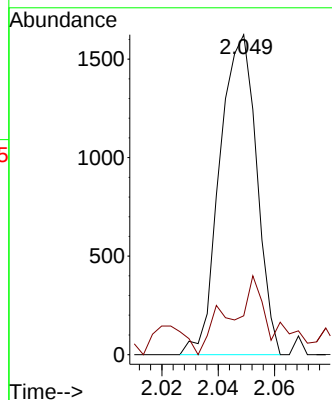
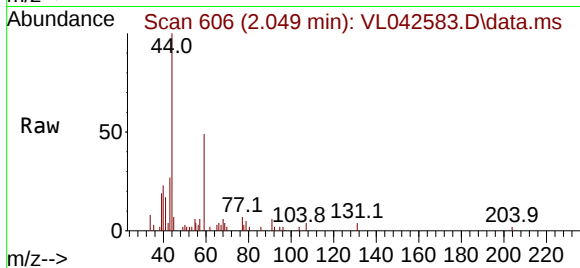
VSTDIC0.1

Tgt Ion: 59 Resp: 1477

Ion Ratio Lower Upper

59 100

57 29.5 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.116 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

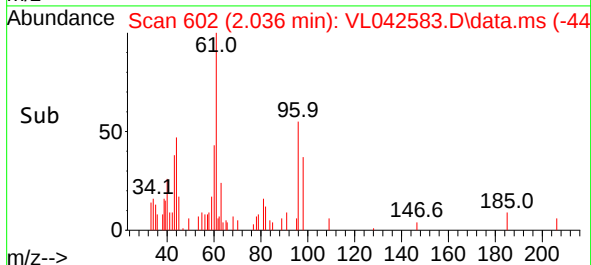
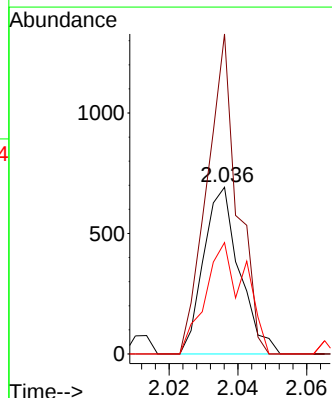
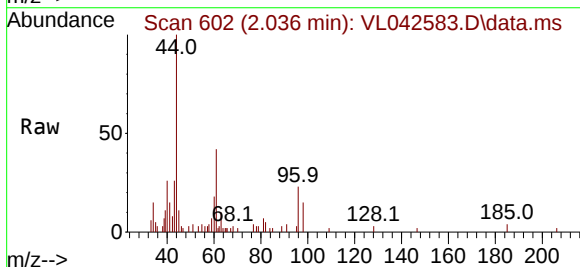
Tgt Ion: 96 Resp: 501

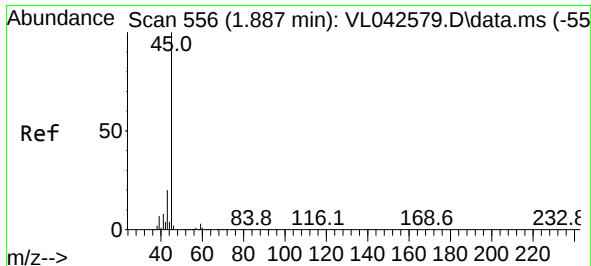
Ion Ratio Lower Upper

96 100

61 191.9 171.1 256.7

98 66.8 54.4 81.6

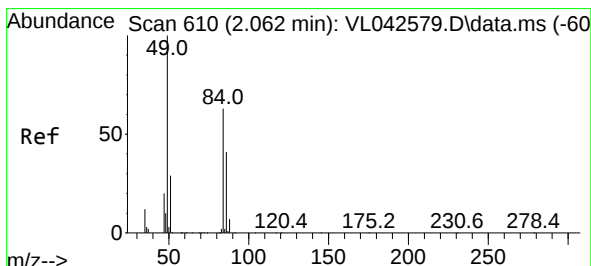
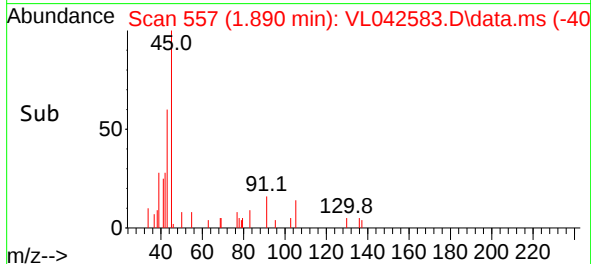
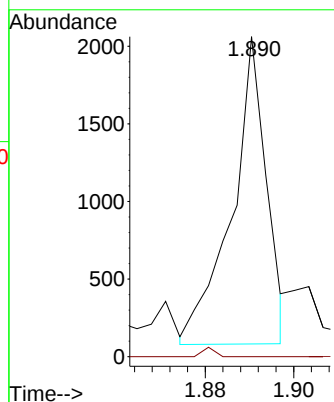
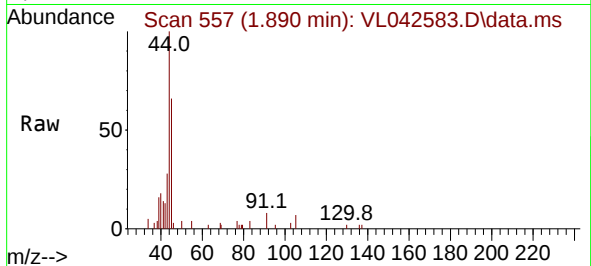




#19
Isopropyl Alcohol
Concen: 0.145 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

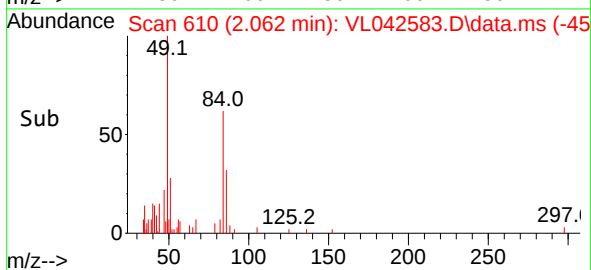
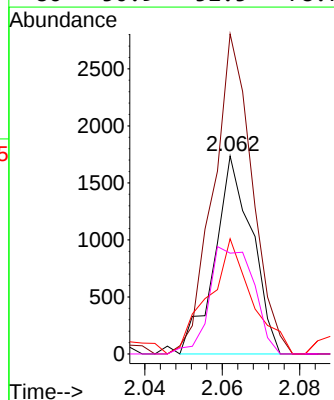
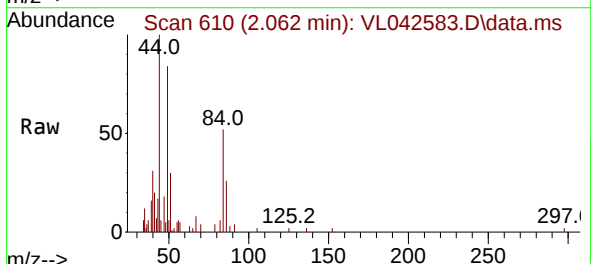
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

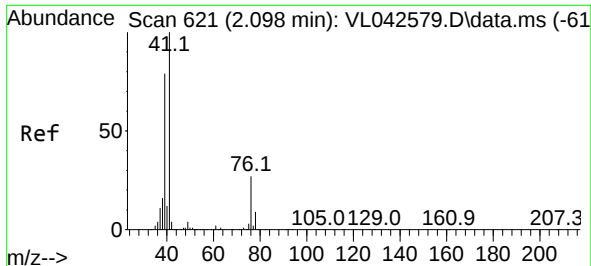
Tgt Ion: 45 Resp: 1079
Ion Ratio Lower Upper
45 100
58 0.0 29.4 44.2#



#20
Methylene Chloride
Concen: 0.282 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 84 Resp: 1160
Ion Ratio Lower Upper
84 100
49 157.5 128.8 193.2
51 54.7 38.6 57.8
86 50.9 52.5 78.7#





#21

Allyl Chloride

Concen: 0.141 ppbv

RT: 2.094 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

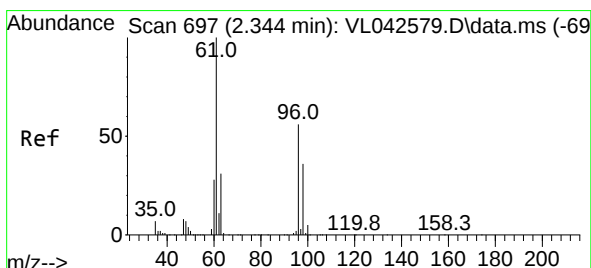
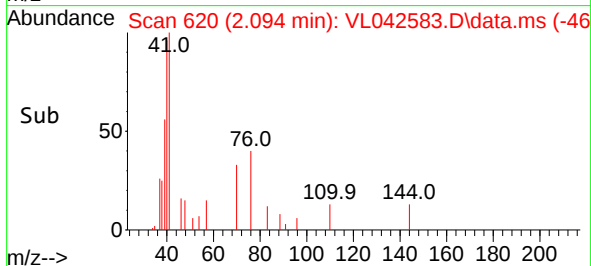
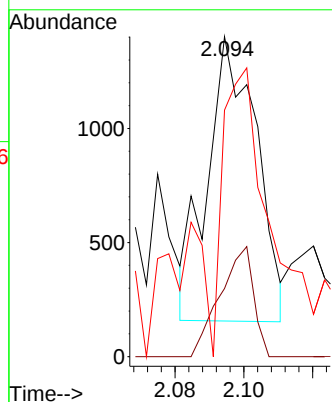
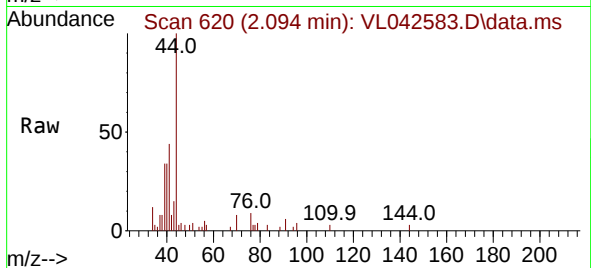
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 41	Resp:	1240
Ion Ratio	Lower	Upper
41	100	
76	26.3	21.2 31.8
39	122.2	60.9 91.3#



#22

trans-1,2-Dichloroethene

Concen: 0.104 ppbv

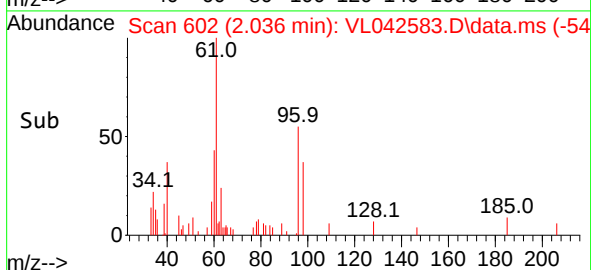
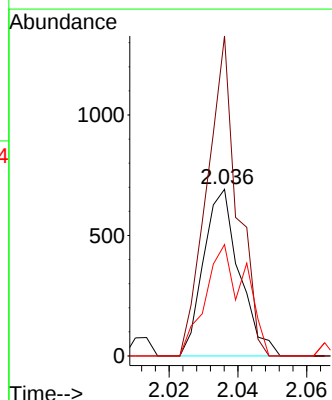
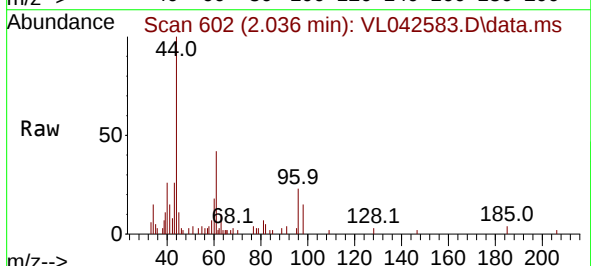
RT: 2.036 min Scan# 602

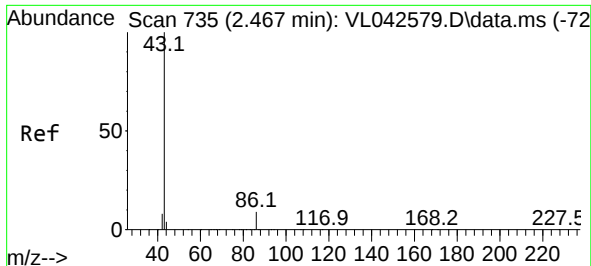
Delta R.T. -0.307 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Tgt Ion: 96	Resp:	501
Ion Ratio	Lower	Upper
96	100	
61	191.9	142.6 214.0
98	66.8	51.0 76.4

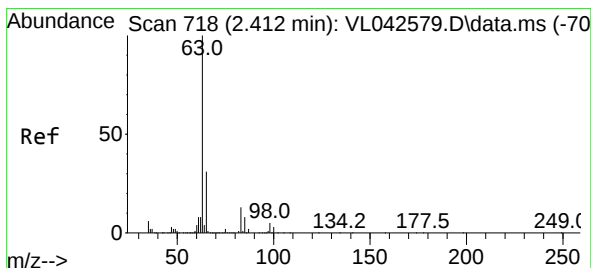
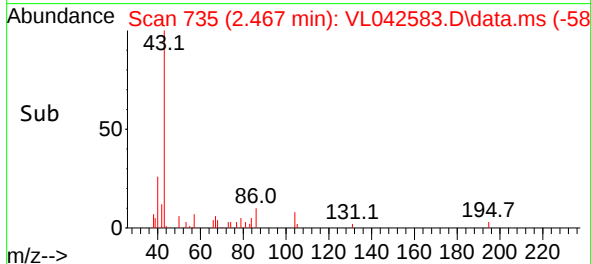
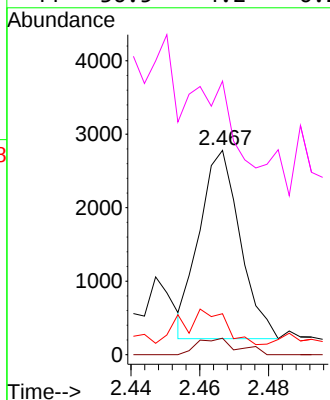
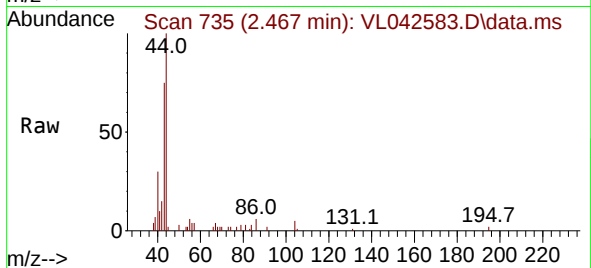




#23
 Vinyl Acetate
 Concen: 0.125 ppbv
 RT: 2.467 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042583.D
 Acq: 29 May 2025 13:19

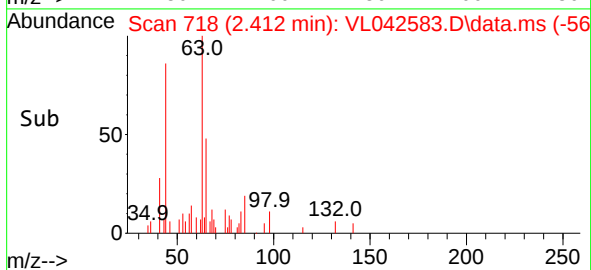
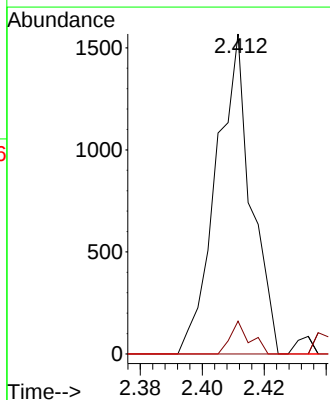
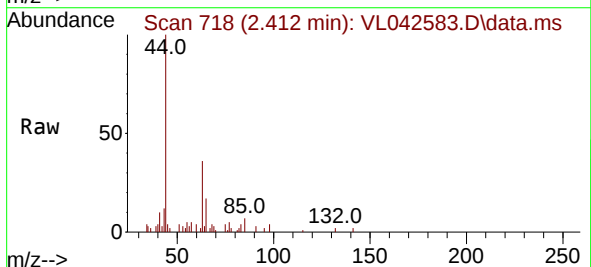
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

Tgt Ion:	43	Resp:	2108
Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.6	9.8
42	13.7	7.0	10.4#
44	36.5	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.124 ppbv
 RT: 2.412 min Scan# 718
 Delta R.T. 0.000 min
 Lab File: VL042583.D
 Acq: 29 May 2025 13:19

Tgt Ion:	63	Resp:	1231
Ion	Ratio	Lower	Upper
63	100		
98	10.3	2.4	7.1#
100	0.0	1.4	4.0#

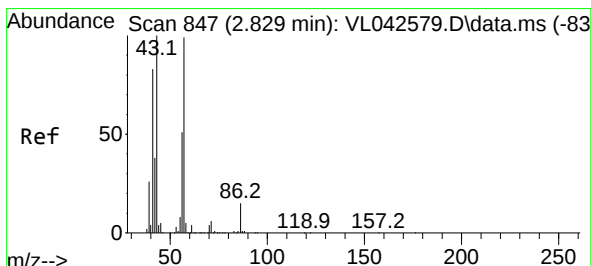
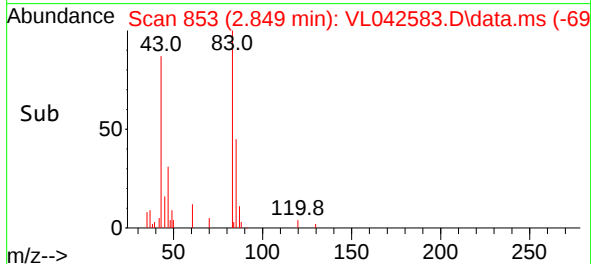
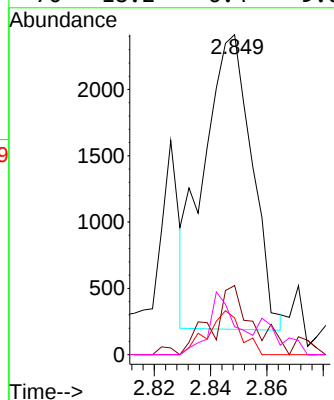
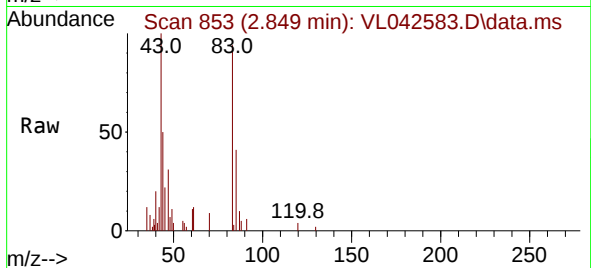




#25
Ethyl Acetate
Concen: 0.077 ppbv
RT: 2.849 min Scan# 850
Delta R.T. 0.010 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

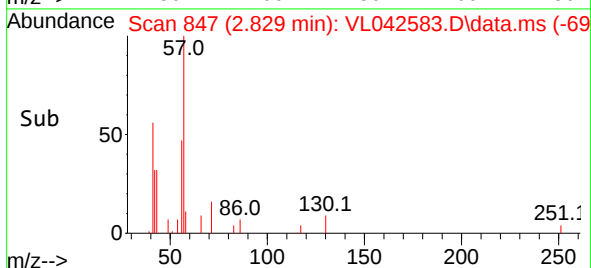
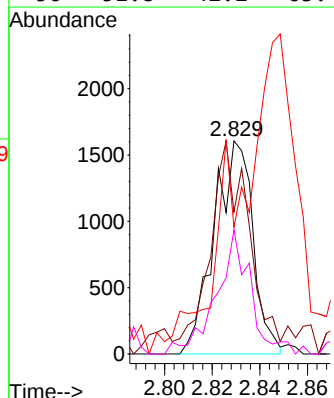
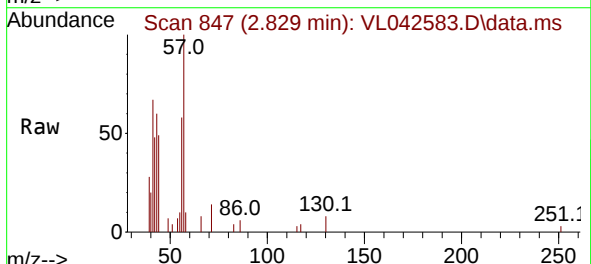
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

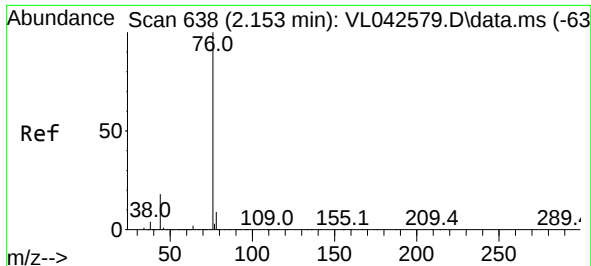
Tgt Ion:	43	Resp:	2623
Ion	Ratio	Lower	Upper
43	100		
45	23.4	8.2	12.2#
61	10.4	7.1	10.7
70	18.2	6.4	9.6#



#26
Hexane
Concen: 0.117 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:	57	Resp:	1816
Ion	Ratio	Lower	Upper
57	100		
41	115.2	70.6	106.0#
43	0.0	181.1	271.7#
56	51.8	42.2	63.4

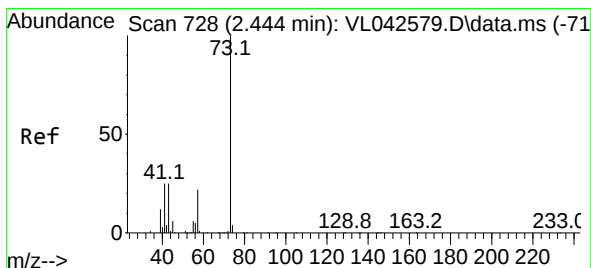
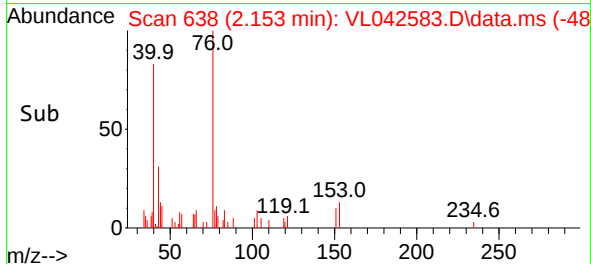
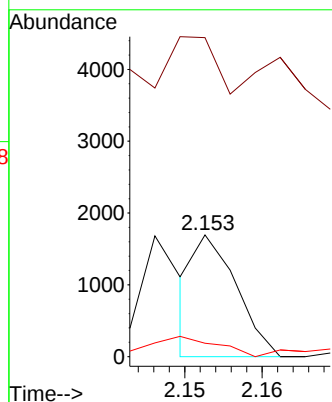
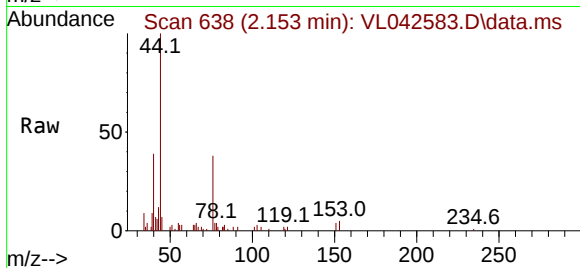




#27
Carbon Disulfide
Concen: 0.054 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

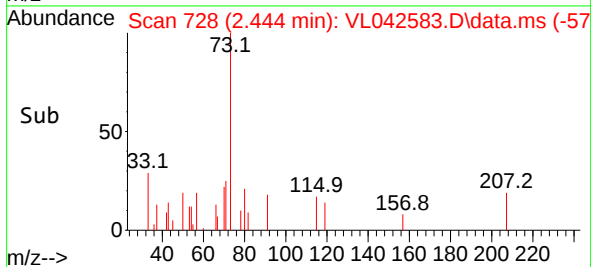
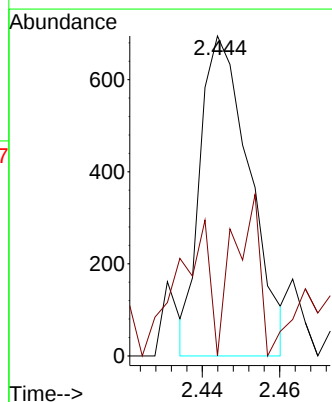
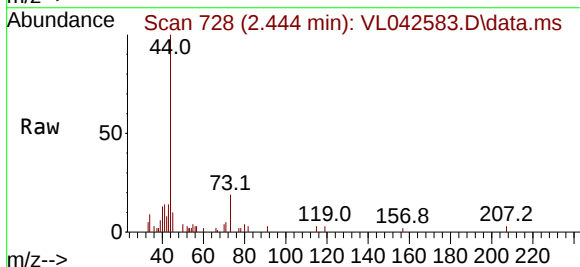
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

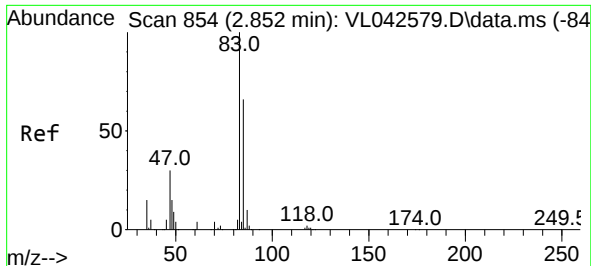
Tgt Ion: 76 Resp: 641
Ion Ratio Lower Upper
76 100
44 623.6 21.3 31.9#
78 55.7 9.4 14.0#



#28
Methyl tert-Butyl Ether
Concen: 0.098 ppbv
RT: 2.444 min Scan# 728
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 73 Resp: 614
Ion Ratio Lower Upper
73 100
57 0.0 19.9 29.9#





#29

Chloroform

Concen: 0.114 ppbv

RT: 2.849 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

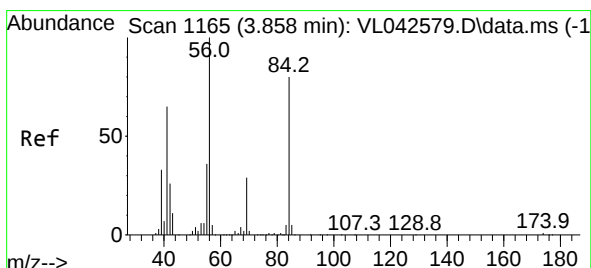
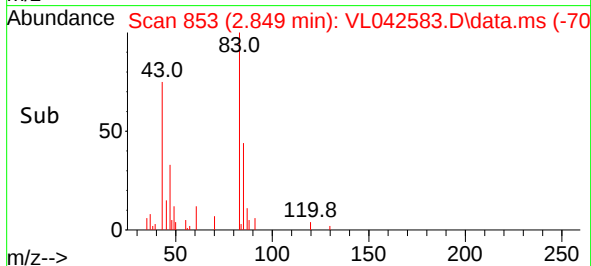
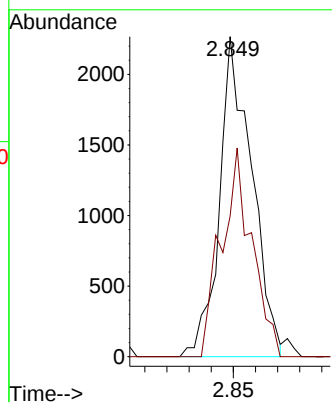
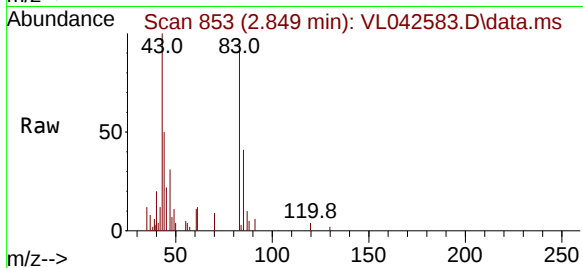
VSTDIC0.1

Tgt Ion: 83 Resp: 2298

Ion Ratio Lower Upper

83 100

85 43.9 52.8 79.2#



#30

Cyclohexane

Concen: 0.058 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.006 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

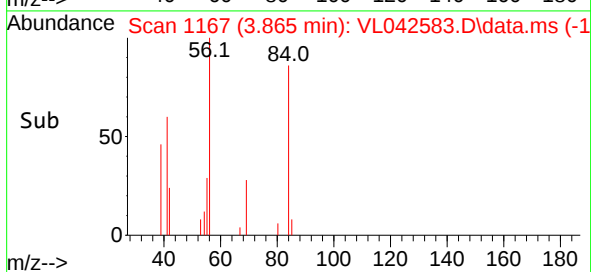
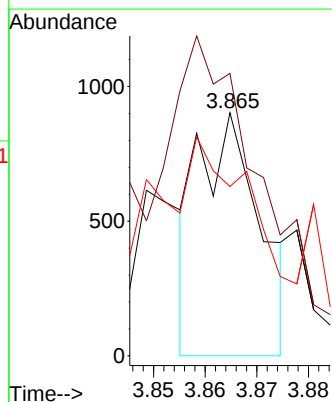
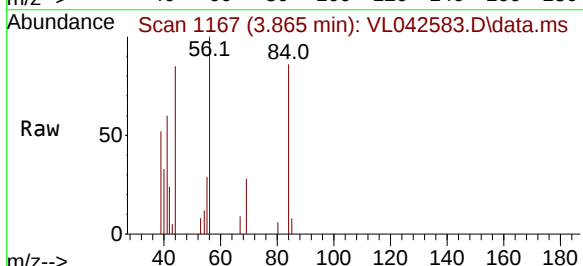
Tgt Ion: 84 Resp: 743

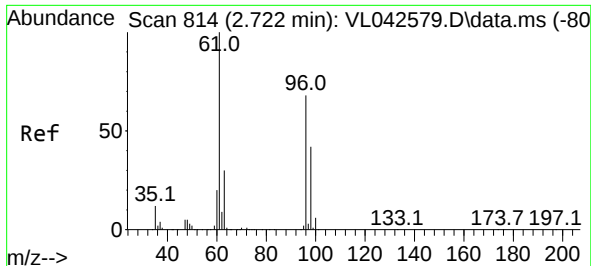
Ion Ratio Lower Upper

84 100

56 253.6 103.7 155.5#

41 265.9 65.1 97.7#

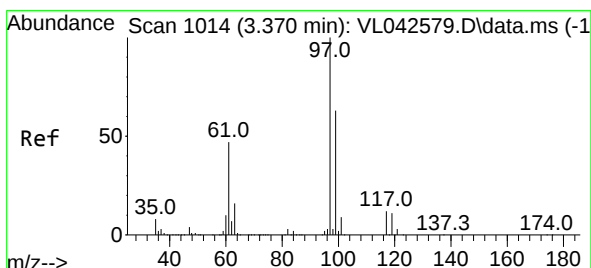
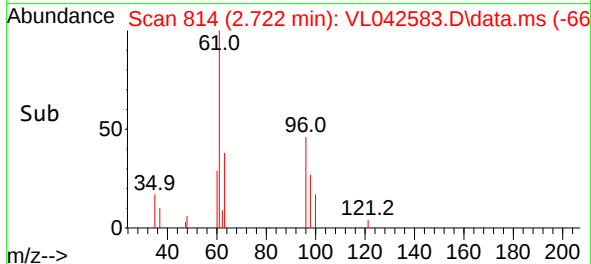
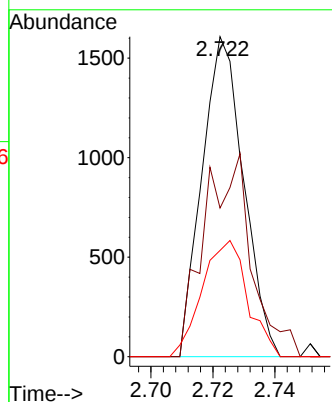
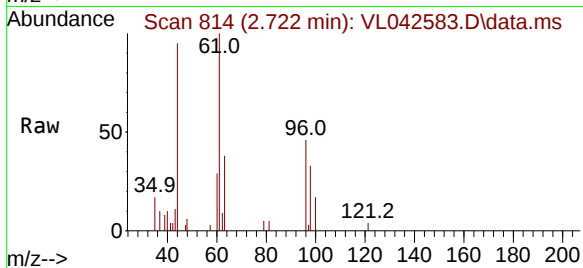




#31
 cis-1,2-Dichloroethene
 Concen: 0.106 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL042583.D
 Acq: 29 May 2025 13:19

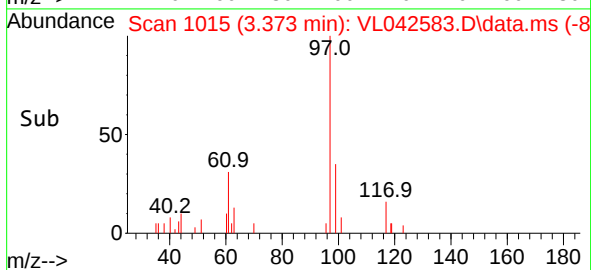
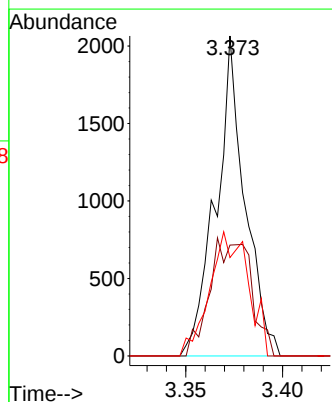
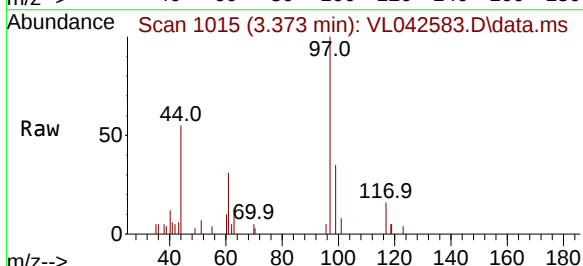
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

Tgt Ion: 61 Resp: 1499
 Ion Ratio Lower Upper
 61 100
 96 46.5 54.5 81.7#
 98 33.2 33.4 50.2#



#32
 1,1,1-Trichloroethane
 Concen: 0.107 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.003 min
 Lab File: VL042583.D
 Acq: 29 May 2025 13:19

Tgt Ion: 97 Resp: 2153
 Ion Ratio Lower Upper
 97 100
 99 52.2 51.0 76.6
 61 51.3 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

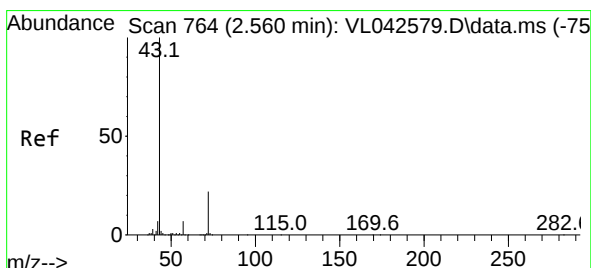
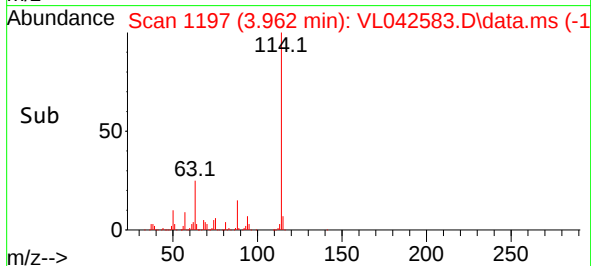
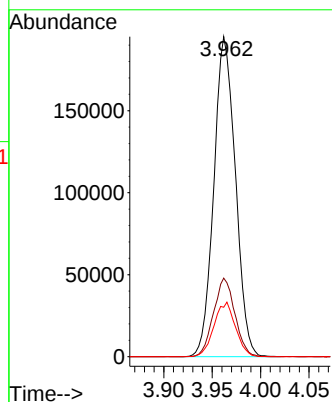
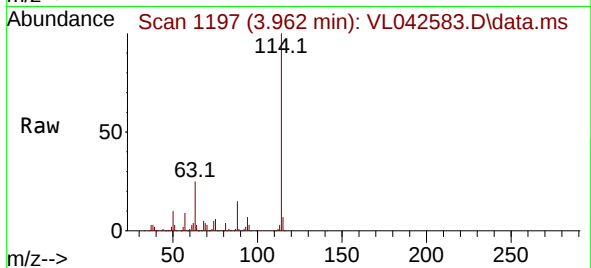
Tgt Ion:114 Resp: 302218

Ion Ratio Lower Upper

114 100

63 24.3 19.0 28.6

88 17.0 13.6 20.4



#34

2-Butanone

Concen: 0.144 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.006 min

Lab File: VL042583.D

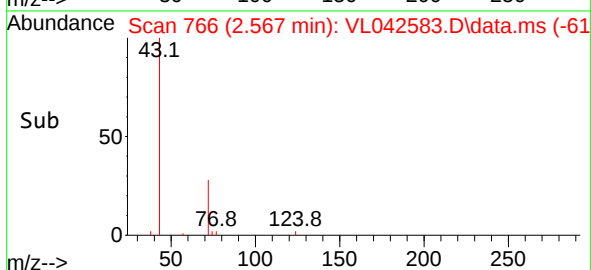
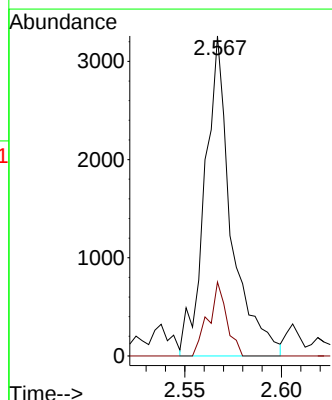
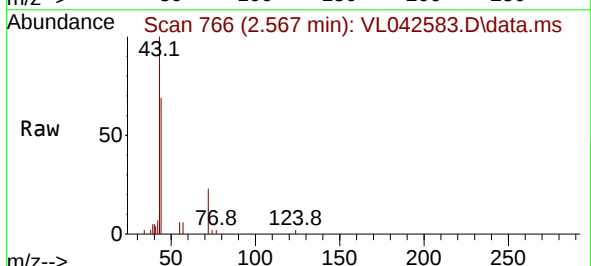
Acq: 29 May 2025 13:19

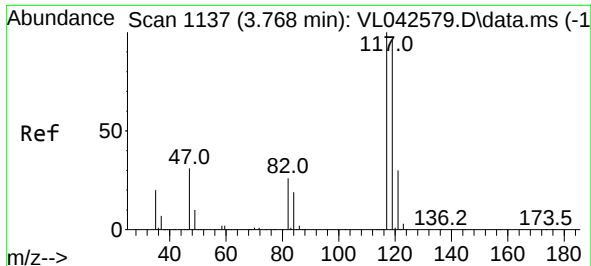
Tgt Ion: 43 Resp: 3113

Ion Ratio Lower Upper

43 100

72 15.9 17.7 26.5#

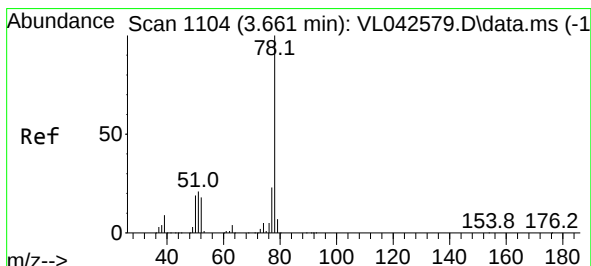
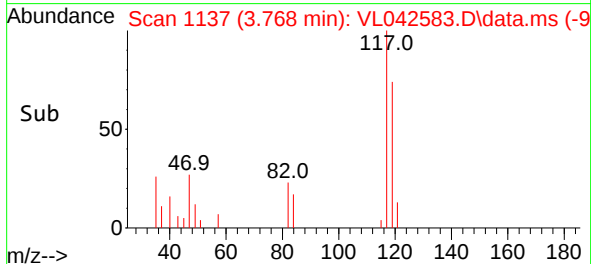
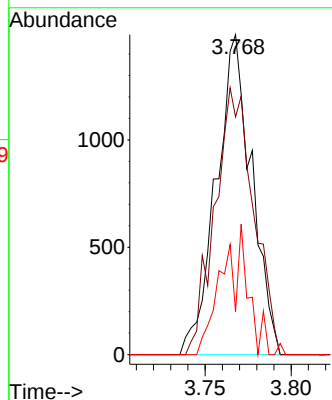
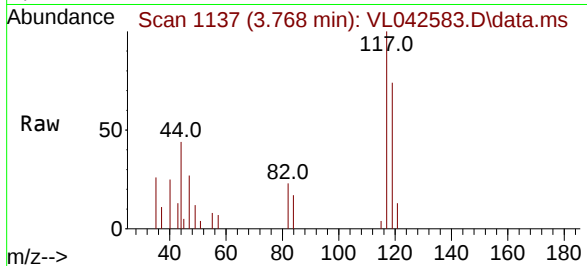




#35
Carbon Tetrachloride
Concen: 0.107 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

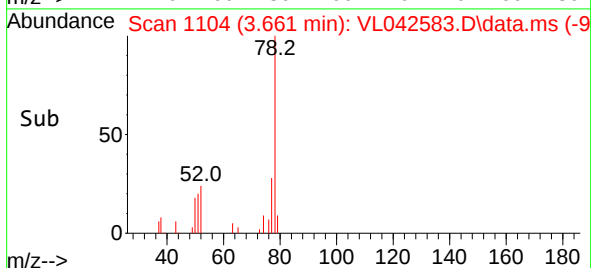
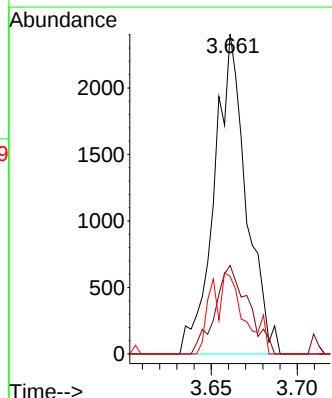
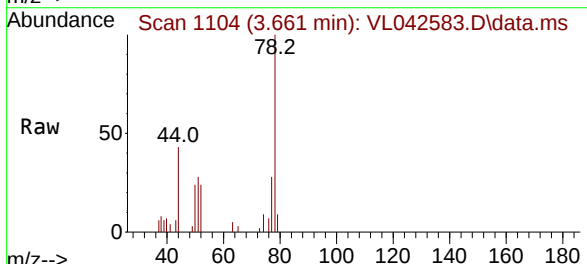
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

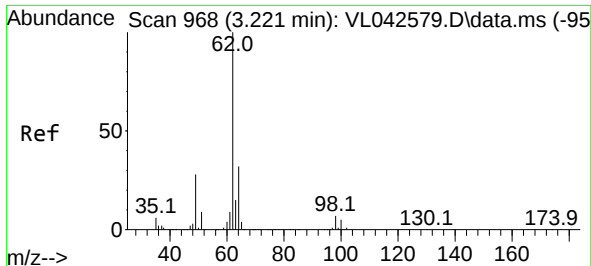
Tgt Ion:117 Resp: 2135
Ion Ratio Lower Upper
117 100
119 74.3 76.8 115.2#
121 13.5 24.3 36.5#



#36
Benzene
Concen: 0.104 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 78 Resp: 3109
Ion Ratio Lower Upper
78 100
77 27.6 18.2 27.2#
50 24.2 15.2 22.8#





#37

1,2-Dichloroethane

Concen: 0.117 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

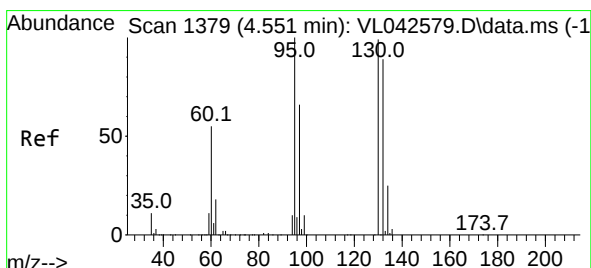
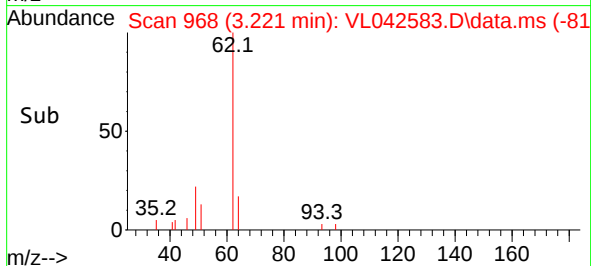
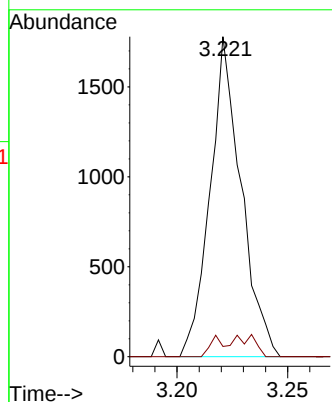
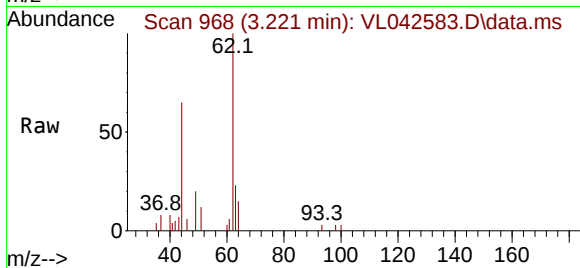
VSTDIC0.1

Tgt Ion: 62 Resp: 1731

Ion Ratio Lower Upper

62 100

98 7.4 6.1 9.1



#38

Trichloroethene

Concen: 0.076 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. -0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Tgt Ion: 130 Resp: 963

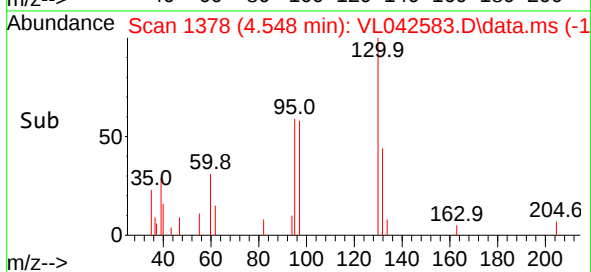
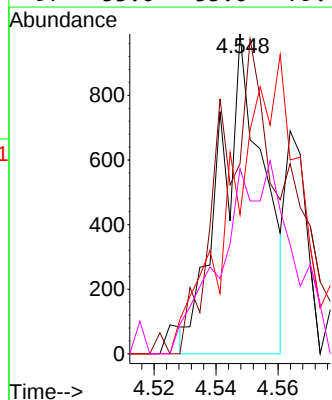
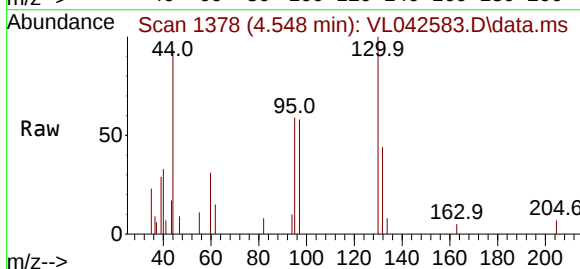
Ion Ratio Lower Upper

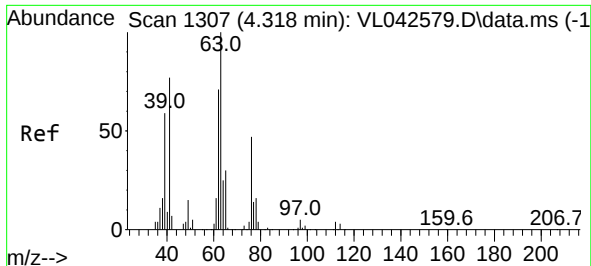
130 100

95 64.9 80.6 121.0#

132 35.8 71.8 107.6#

97 53.0 53.0 79.4





#39

1,2-Dichloropropane

Concen: 6.683 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.356 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

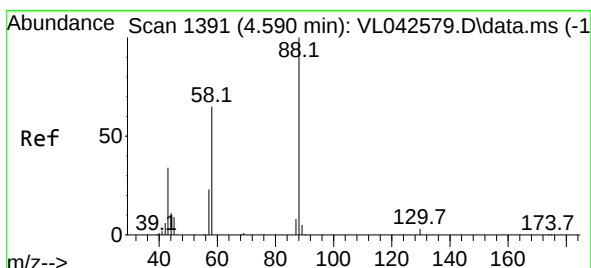
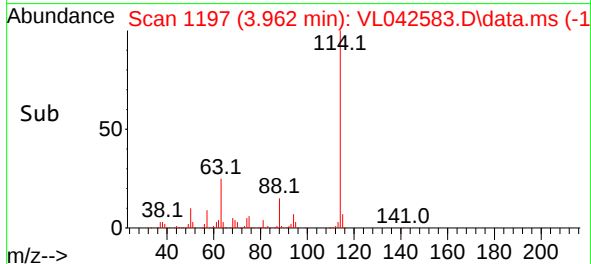
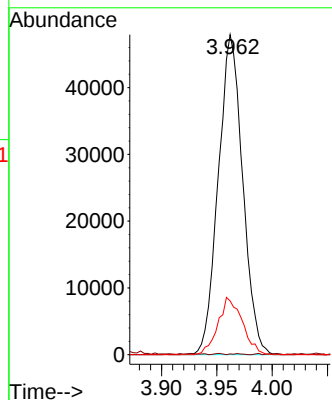
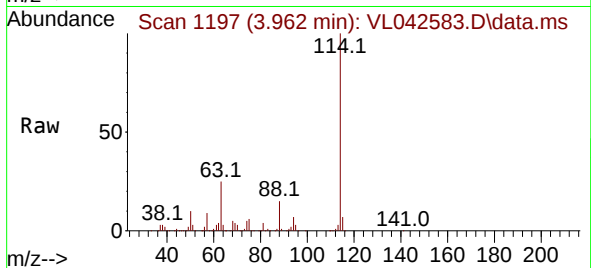
Tgt Ion: 63 Resp: 73521

Ion Ratio Lower Upper

63 100

41 0.0 61.8 92.6#

62 16.8 56.6 85.0#



#40

1,4-Dioxane

Concen: 0.016 ppbv

RT: 4.612 min Scan# 1398

Delta R.T. 0.023 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Tgt Ion: 88 Resp: 74

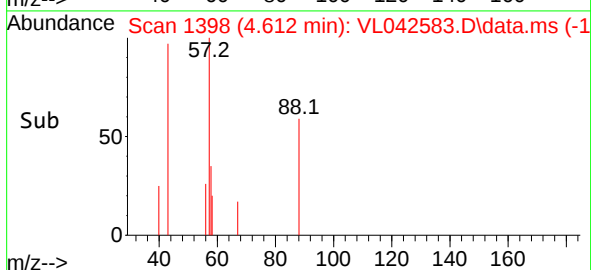
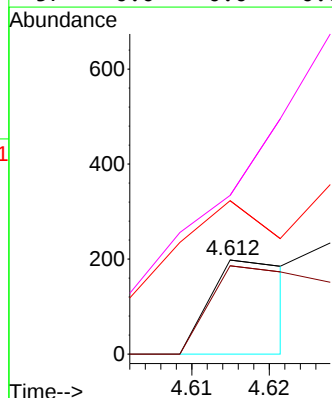
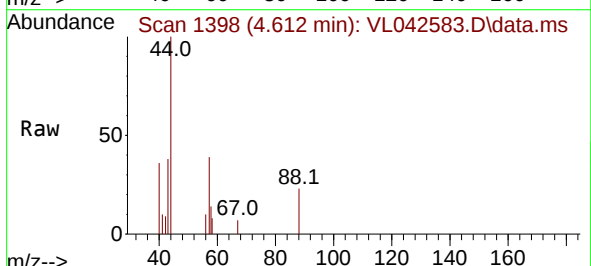
Ion Ratio Lower Upper

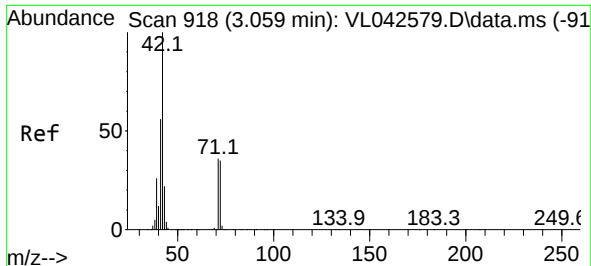
88 100

58 0.0 55.8 83.8#

43 500.0 24.8 37.2#

57 0.0 0.0 0.0

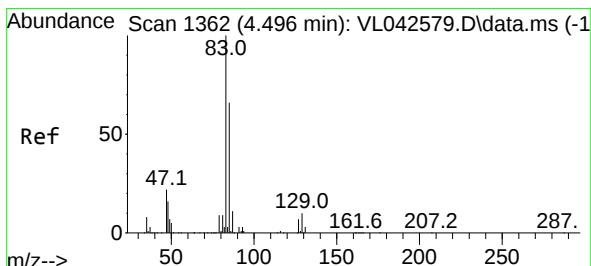
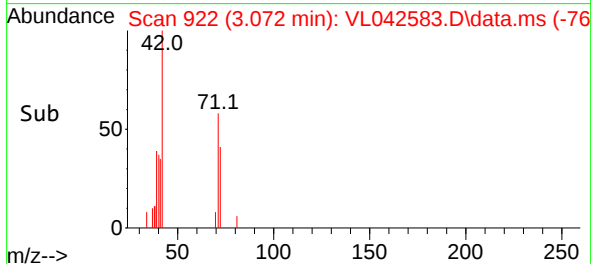
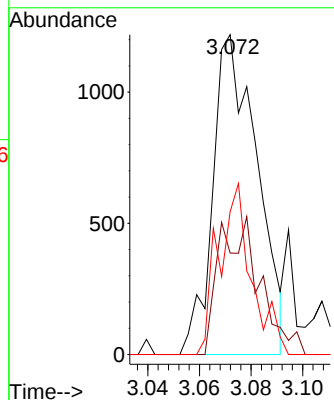
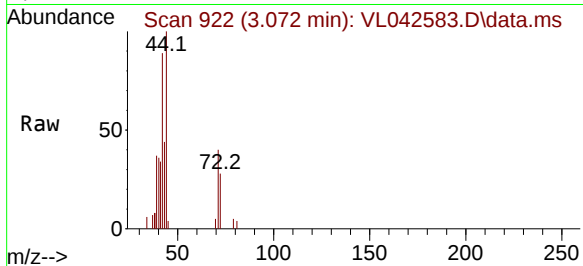




#41
Tetrahydrofuran
Concen: 0.115 ppbv
RT: 3.072 min Scan# 918
Delta R.T. 0.013 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

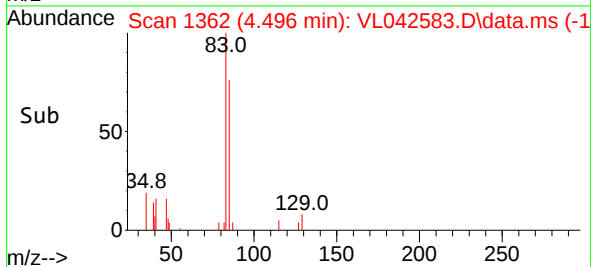
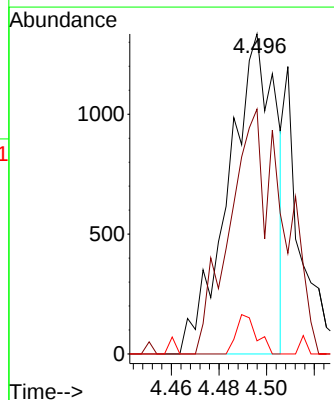
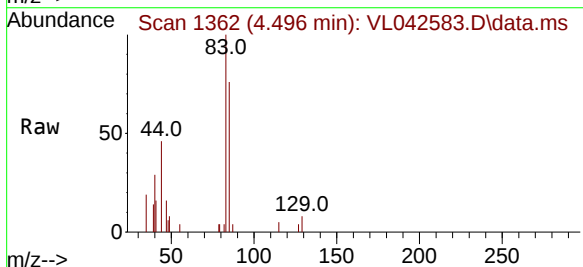
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

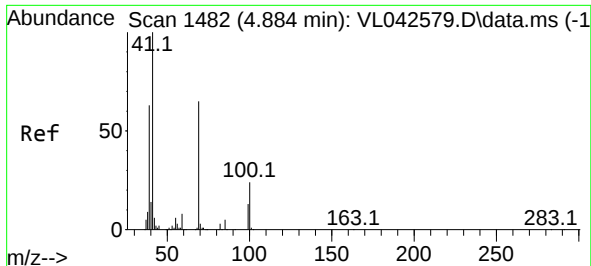
Tgt Ion:	42	Resp:	1452
Ion	Ratio	Lower	Upper
42	100		
72	39.5	28.9	43.3
71	39.7	28.5	42.7



#42
Bromodichloromethane
Concen: 0.087 ppbv
RT: 4.496 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:	83	Resp:	1835
Ion	Ratio	Lower	Upper
83	100		
85	76.5	52.7	79.1
127	4.1	5.8	8.6





#43

Methyl Methacrylate

Concen: 0.059 ppbv

RT: 4.891 min Scan# 1484

Delta R.T. 0.006 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

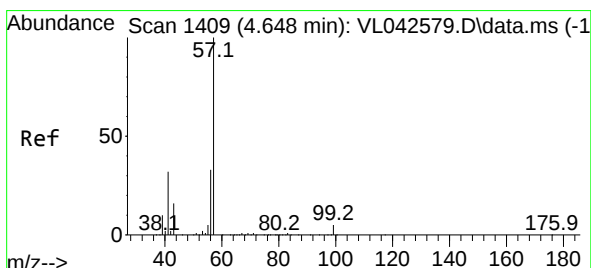
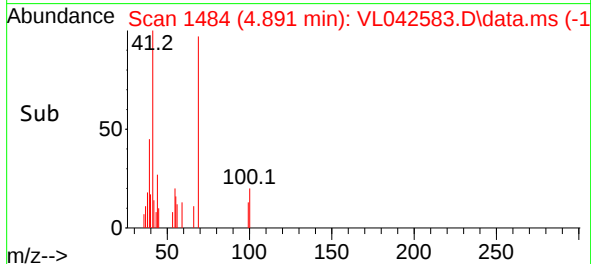
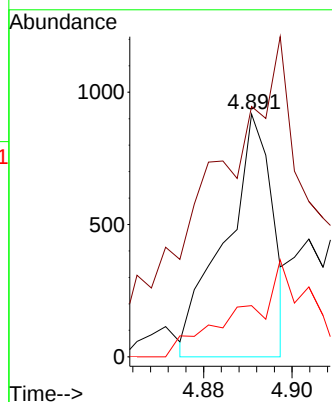
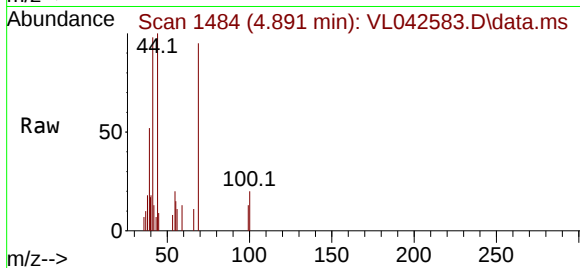
Tgt Ion: 69 Resp: 685

Ion Ratio Lower Upper

69 100

41 0.0 124.6 187.0#

100 0.0 29.9 44.9#



#44

2,2,4-Trimethylpentane

Concen: 0.061 ppbv

RT: 4.651 min Scan# 1410

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

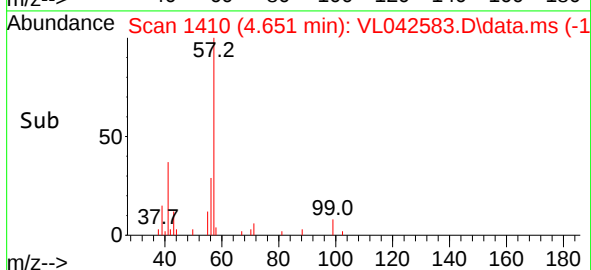
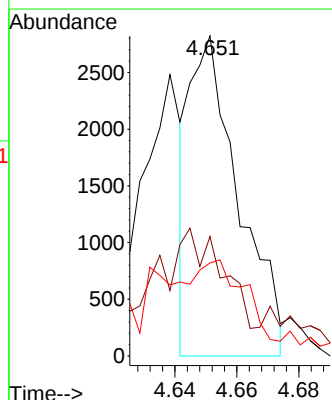
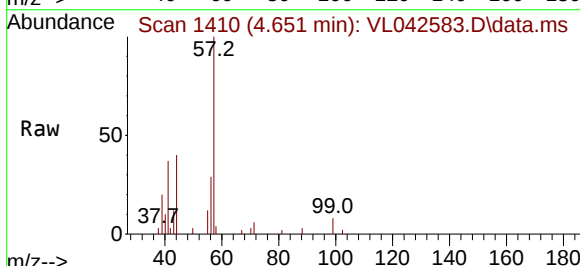
Tgt Ion: 57 Resp: 3117

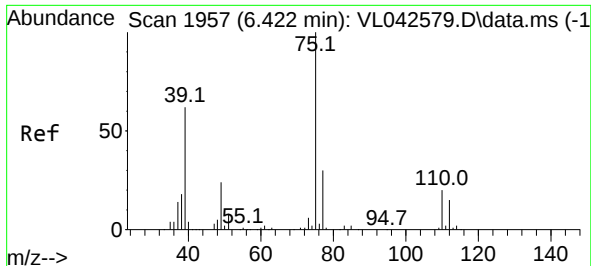
Ion Ratio Lower Upper

57 100

41 85.0 26.1 39.1#

56 65.4 25.9 38.9#





#45

t-1,3-Dichloropropene

Concen: 0.030 ppbv

RT: 6.419 min Scan# 1956

Delta R.T. -0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

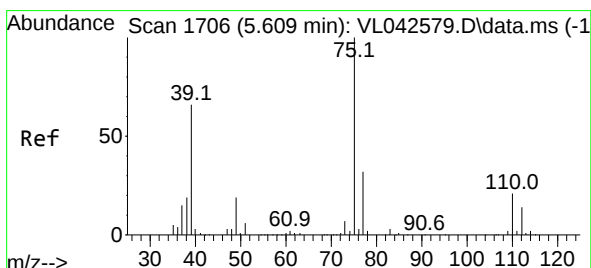
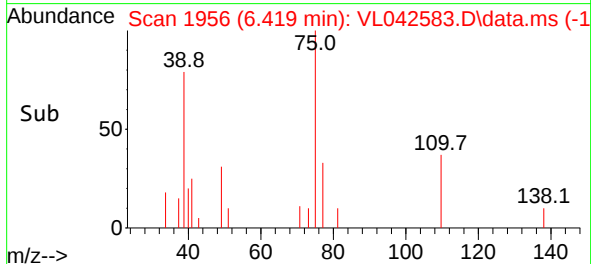
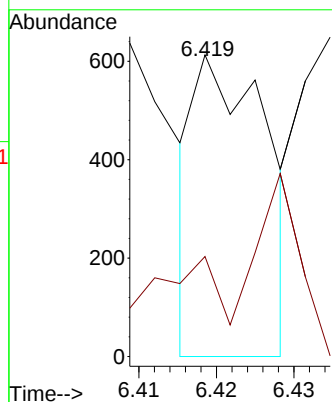
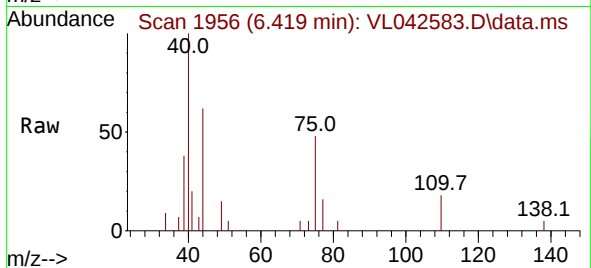
VSTDIC0.1

Tgt Ion: 75 Resp: 397

Ion Ratio Lower Upper

75 100

77 33.1 24.2 36.2



#46

cis-1,3-Dichloropropene

Concen: 0.027 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. -0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

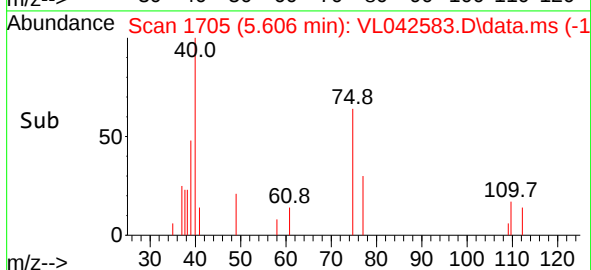
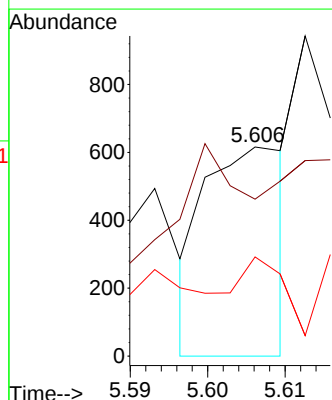
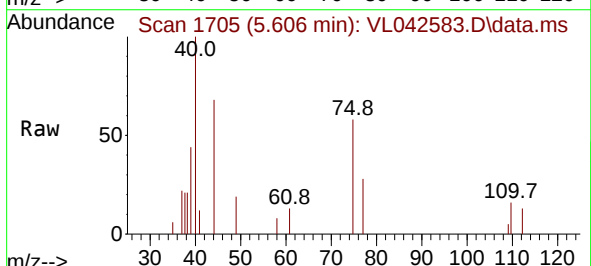
Tgt Ion: 75 Resp: 449

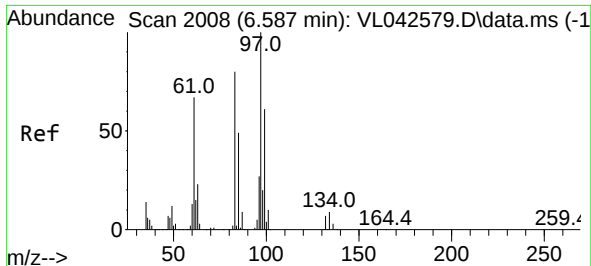
Ion Ratio Lower Upper

75 100

39 17.9 52.7 79.1#

77 27.6 25.8 38.8

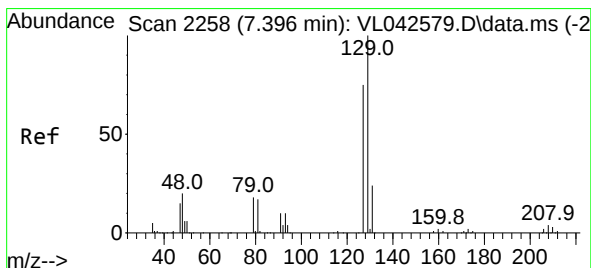
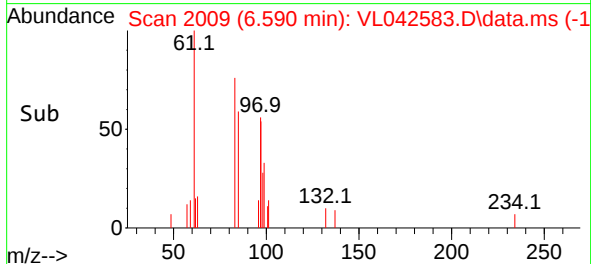
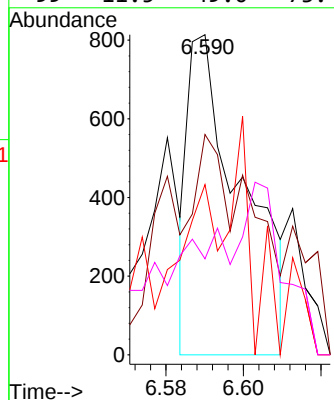
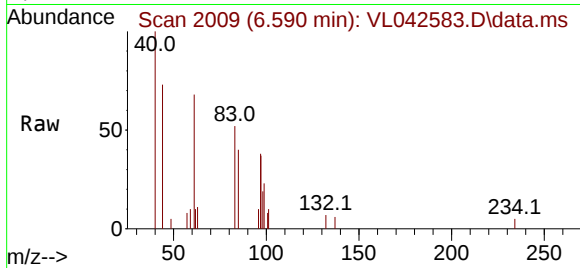




#47
1,1,2-Trichloroethane
Concen: 0.069 ppbv
RT: 6.590 min Scan# 2008
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

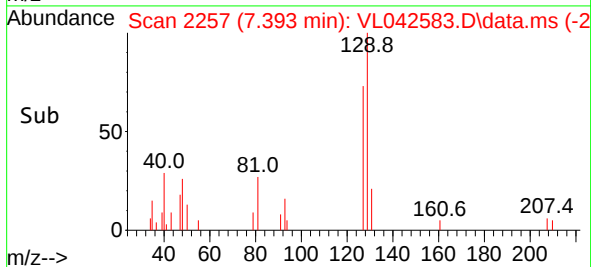
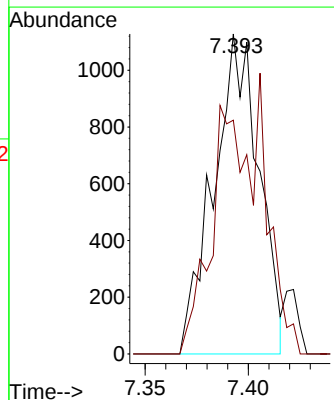
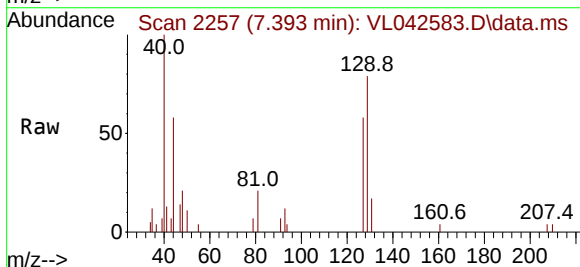
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

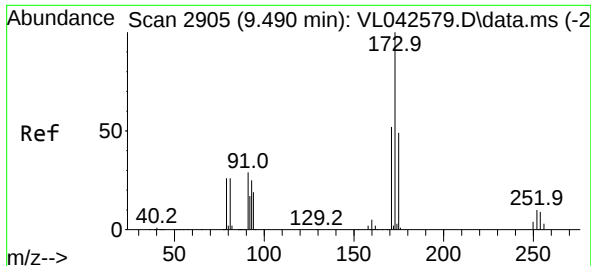
Tgt Ion: 97	Resp:	786
Ion	Ratio	Lower Upper
97	100	
83	68.9	63.9 95.9
85	83.1	39.2 58.8#
99	11.5	49.0 73.4#



#48
Dibromochloromethane
Concen: 0.094 ppbv
RT: 7.393 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 129	Resp:	1718
Ion	Ratio	Lower Upper
129	100	
127	89.2	39.0 116.9

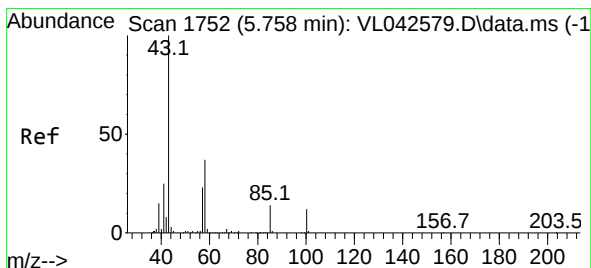
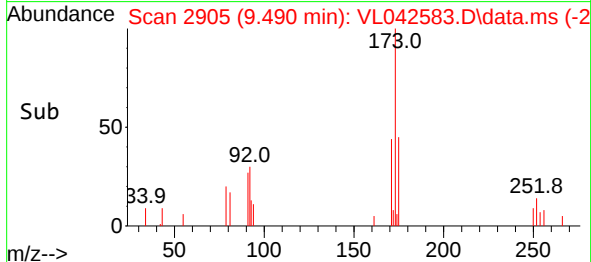
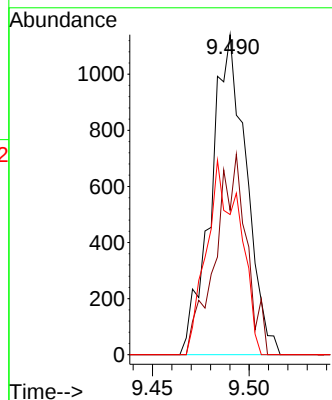
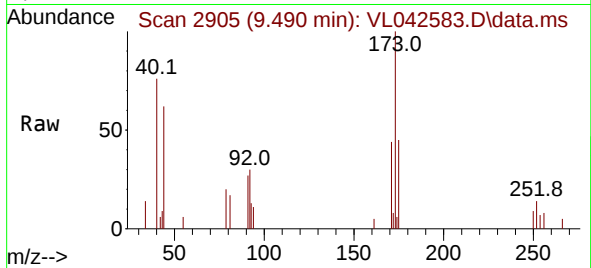




#49
Bromoform
Concen: 0.092 ppbv
RT: 9.490 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

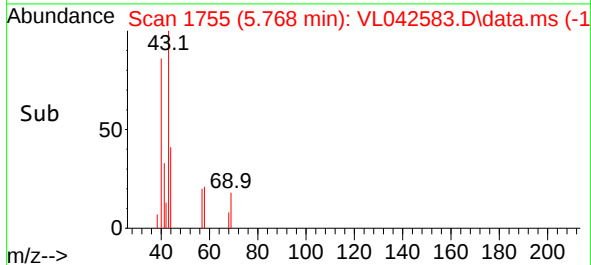
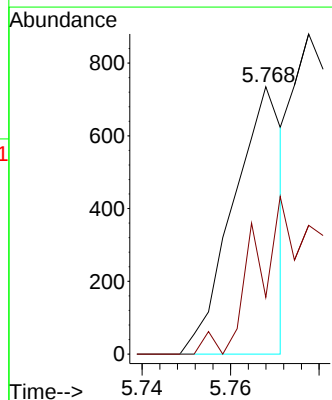
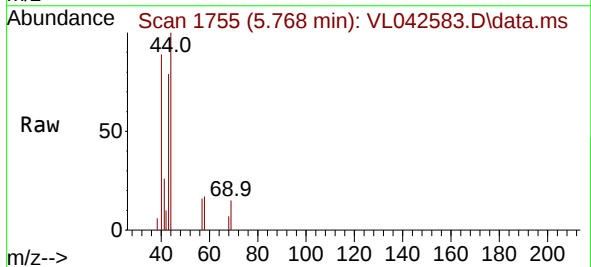
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

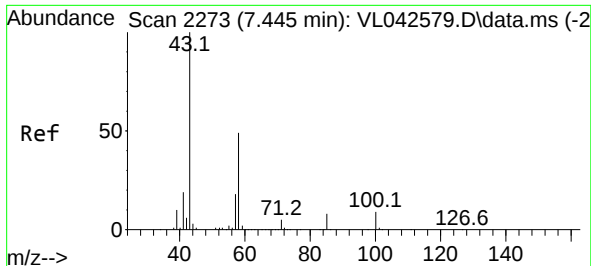
Tgt Ion:173 Resp: 1444
Ion Ratio Lower Upper
173 100
175 55.7 38.7 58.1
171 56.9 41.2 61.8



#50
4-Methyl-2-Pentanone
Concen: 0.019 ppbv
RT: 5.768 min Scan# 1755
Delta R.T. 0.010 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 43 Resp: 563
Ion Ratio Lower Upper
43 100
58 74.4 28.3 42.5#

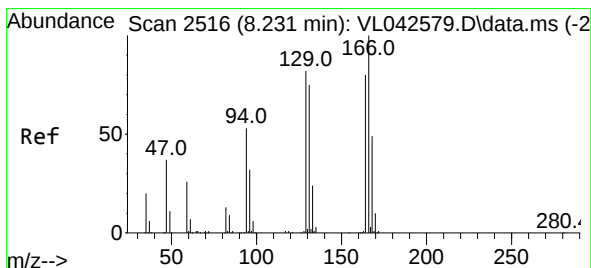
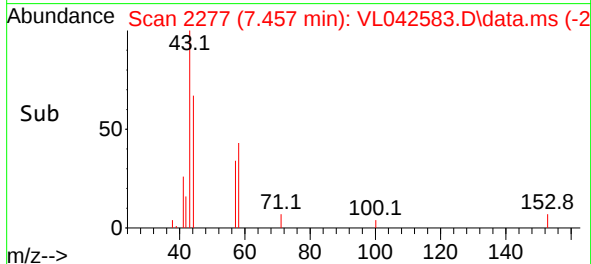
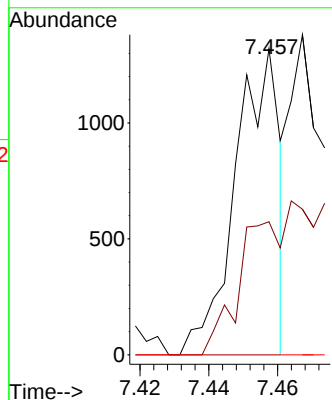
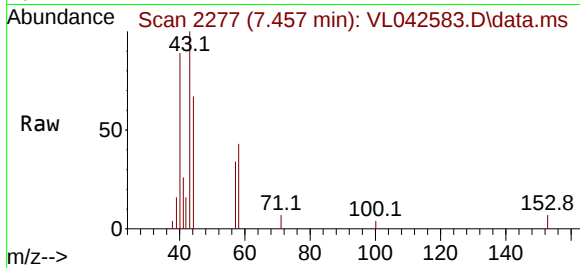




#51
2-Hexanone
Concen: 0.049 ppbv
RT: 7.457 min Scan# 2117
Delta R.T. 0.013 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

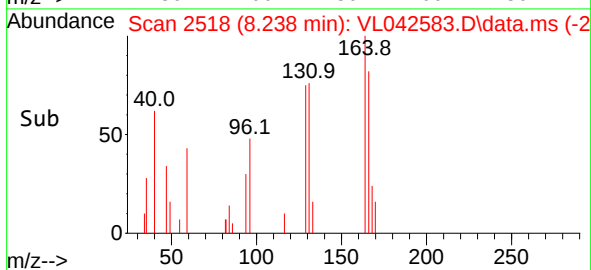
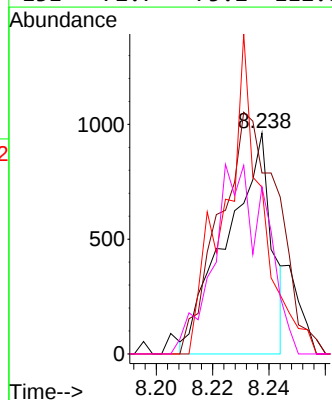
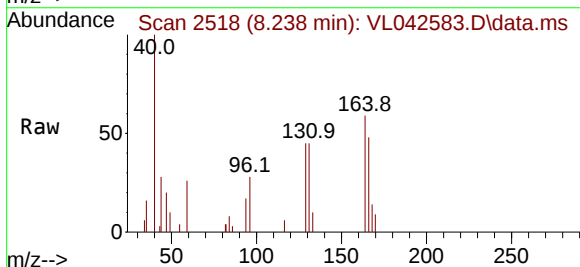
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

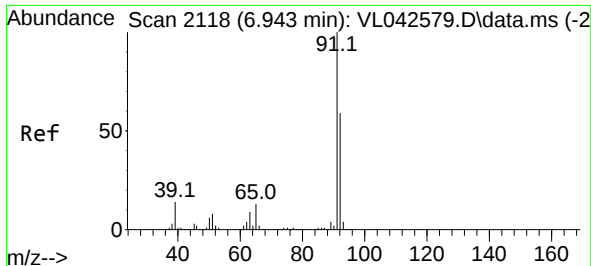
Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
58 0.0 39.9 59.9#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.095 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. 0.006 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 164 Resp: 1060
Ion Ratio Lower Upper
164 100
166 86.6 100.0 150.0#
129 79.8 82.2 123.4#
131 72.7 75.2 112.8#

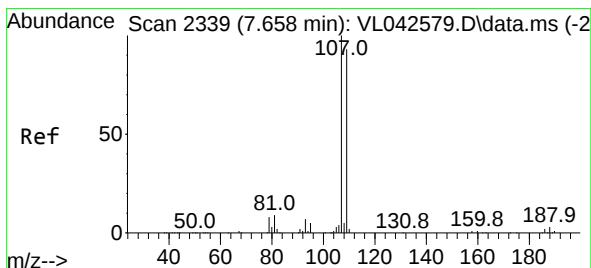
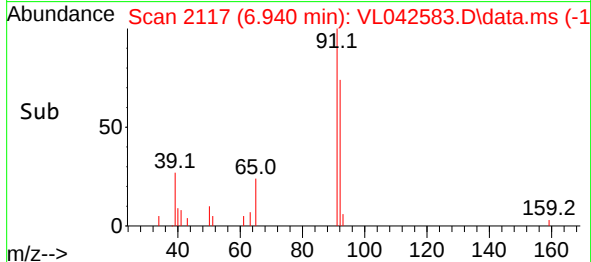
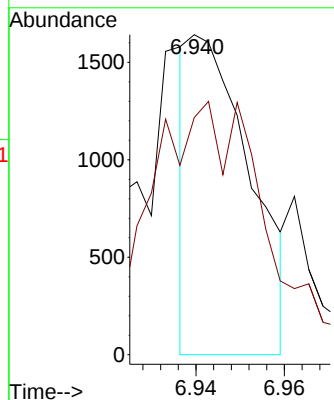
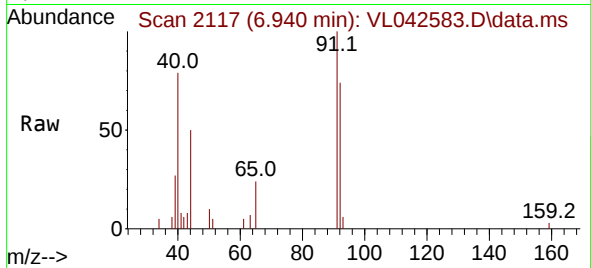




#53
Toluene
Concen: 0.046 ppbv
RT: 6.940 min Scan# 2118
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

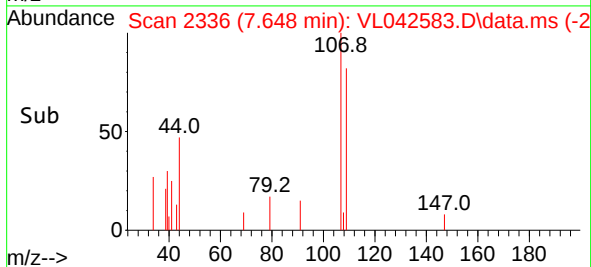
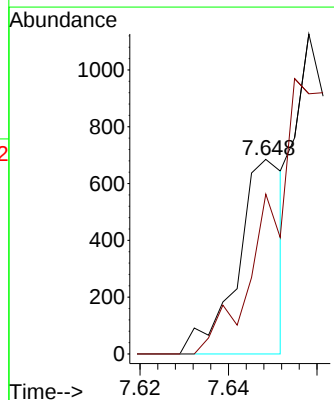
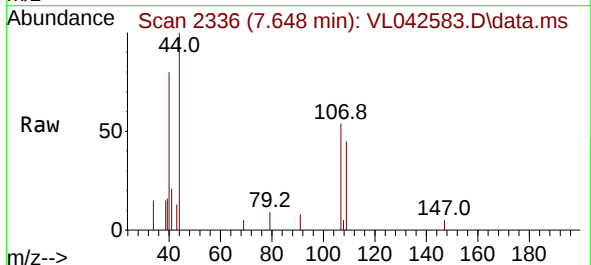
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

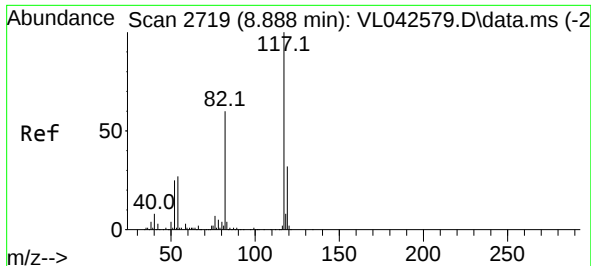
Tgt Ion: 91 Resp: 1577
Ion Ratio Lower Upper
91 100
92 157.8 48.2 72.4#



#54
1,2-Dibromoethane
Concen: 0.029 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.010 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 107 Resp: 492
Ion Ratio Lower Upper
107 100
109 82.2 74.3 111.5

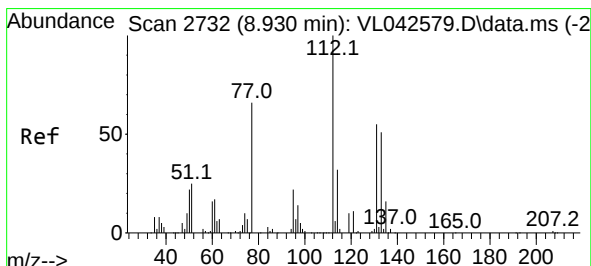
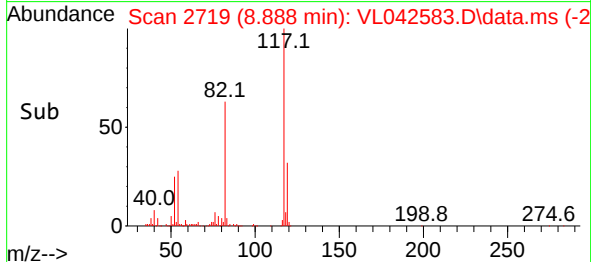
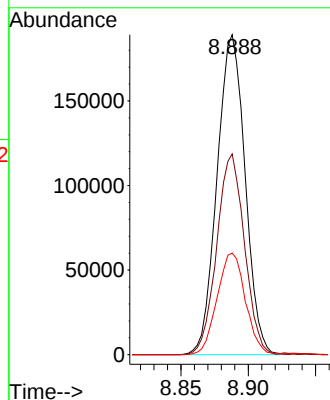
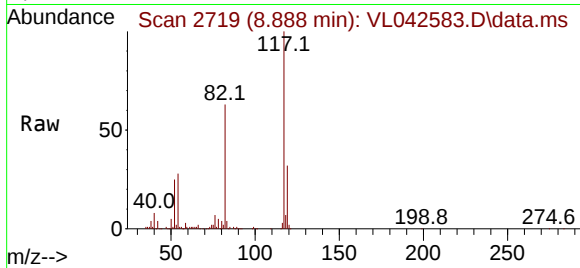




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

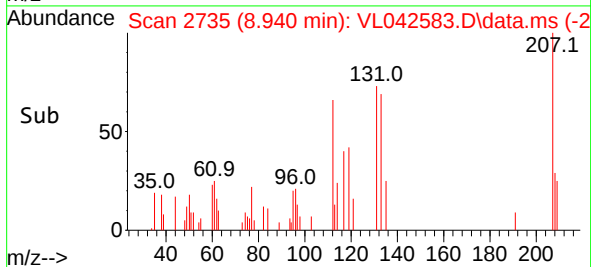
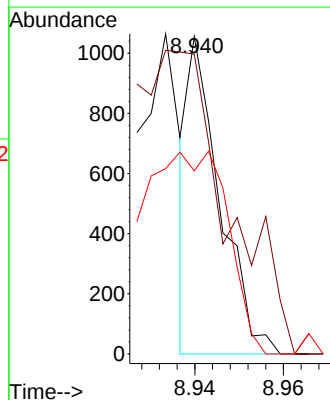
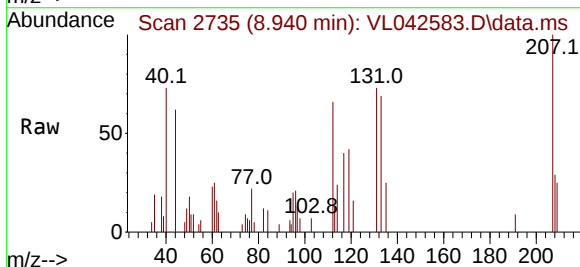
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

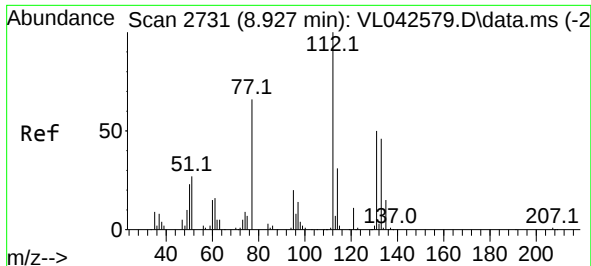
Tgt Ion:117 Resp: 273881
Ion Ratio Lower Upper
117 100
82 62.1 51.2 76.8
119 32.3 26.3 39.5



#56
1,1,1,2-Tetrachloroethane
Concen: 0.038 ppbv
RT: 8.940 min Scan# 2735
Delta R.T. 0.010 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:131 Resp: 527
Ion Ratio Lower Upper
131 100
133 0.0 75.0 112.6#
119 0.0 50.8 76.2#

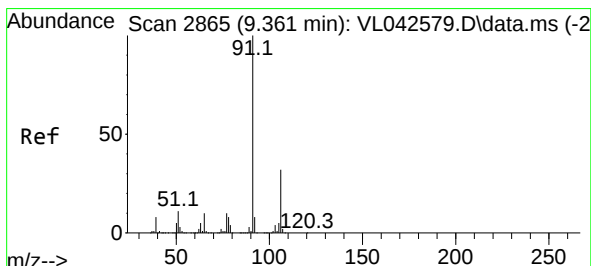
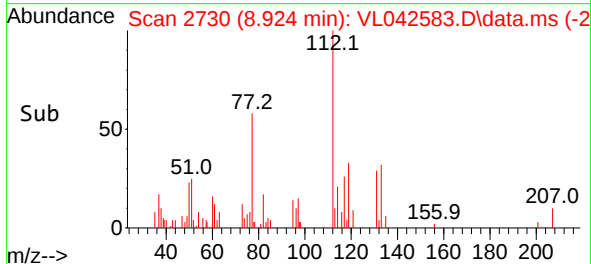
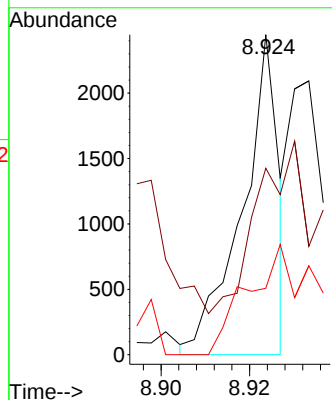
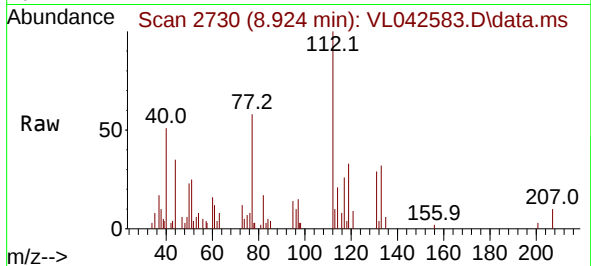




#57
Chlorobenzene
Concen: 0.053 ppbv
RT: 8.924 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

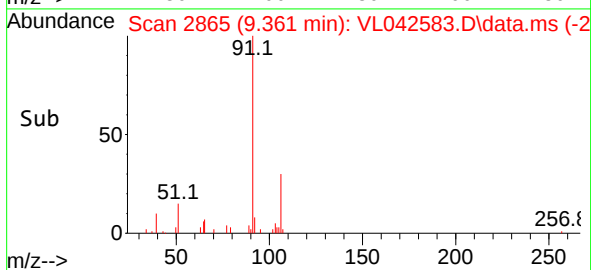
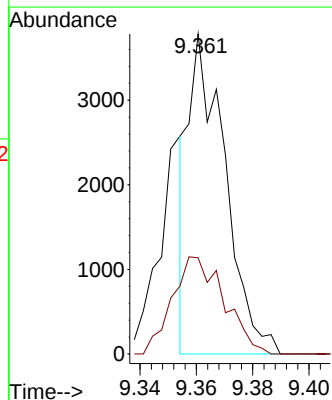
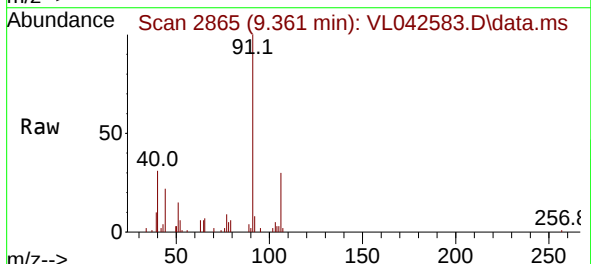
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

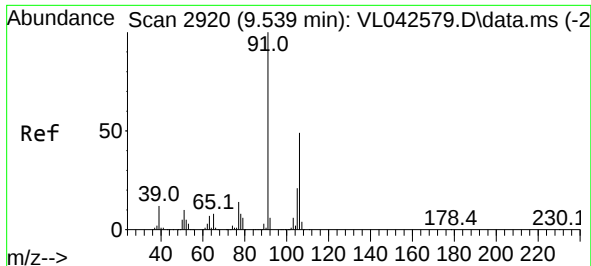
Tgt Ion:112 Resp: 1397
Ion Ratio Lower Upper
112 100
77 38.8 53.5 80.3#
114 21.4 27.8 34.0#



#58
Ethyl Benzene
Concen: 0.073 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion: 91 Resp: 3383
Ion Ratio Lower Upper
91 100
106 30.1 25.9 38.9





#59

m/p-Xylene

Concen: 0.101 ppbv

RT: 9.542 min Scan# 29

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

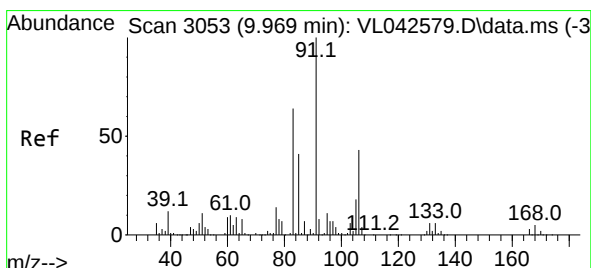
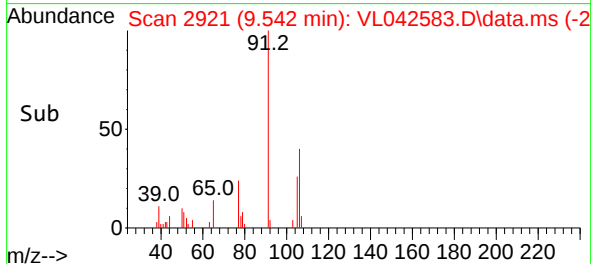
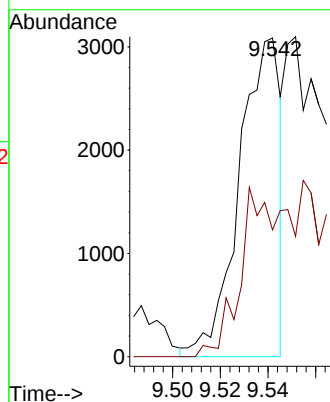
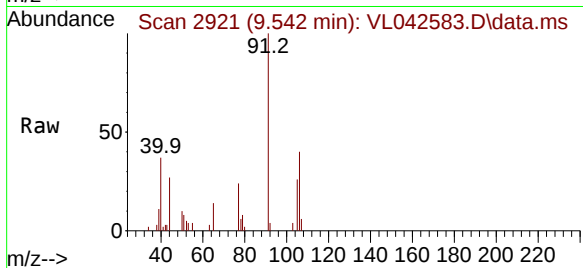
VSTDIC0.1

Tgt Ion: 91 Resp: 3685

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 0.084 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VL042583.D

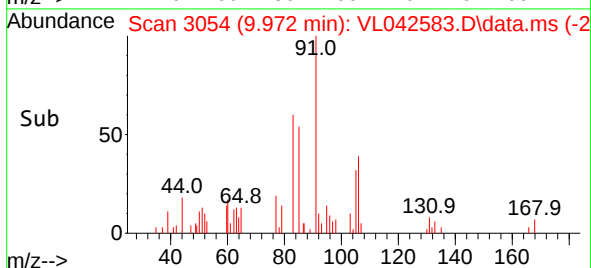
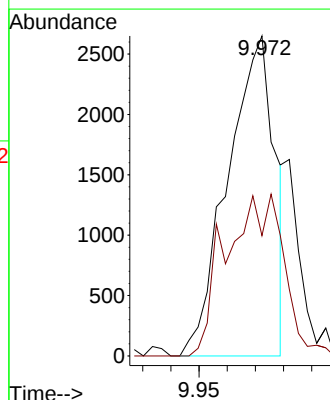
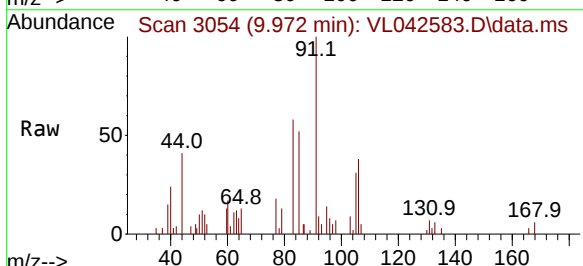
Acq: 29 May 2025 13:19

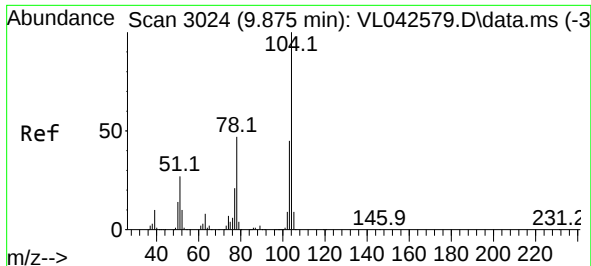
Tgt Ion: 91 Resp: 3081

Ion Ratio Lower Upper

91 100

106 61.7 22.9 68.5

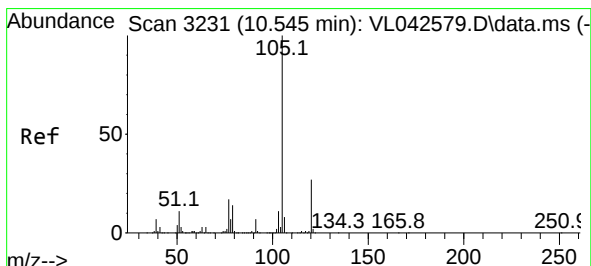
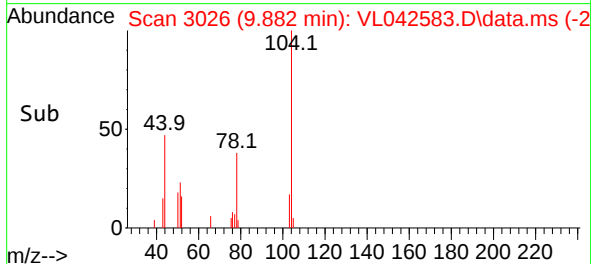
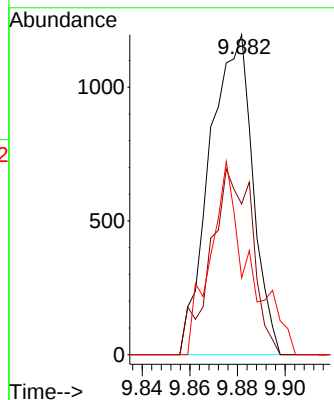
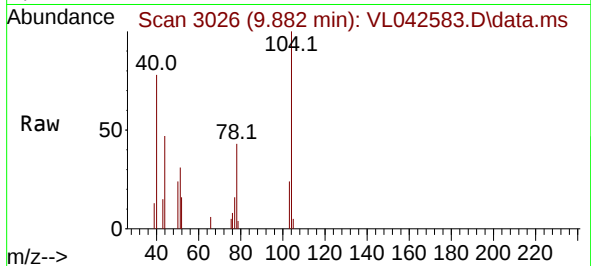




#61
Styrene
Concen: 0.087 ppbv
RT: 9.882 min Scan# 3024
Delta R.T. 0.006 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

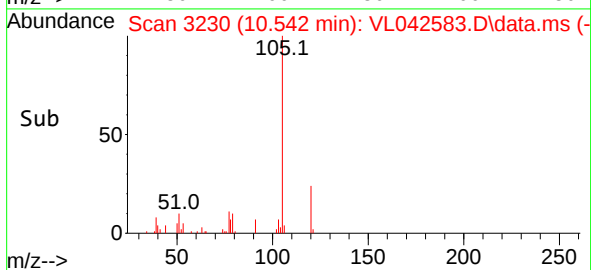
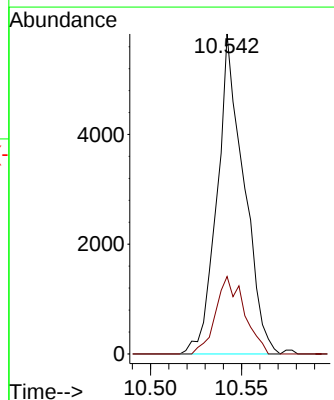
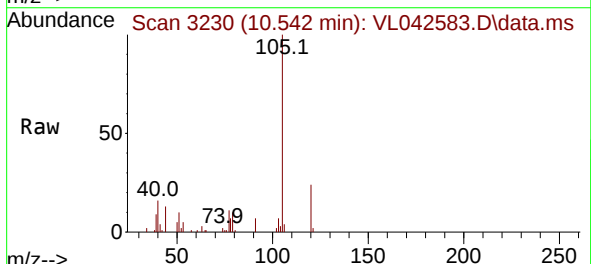
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

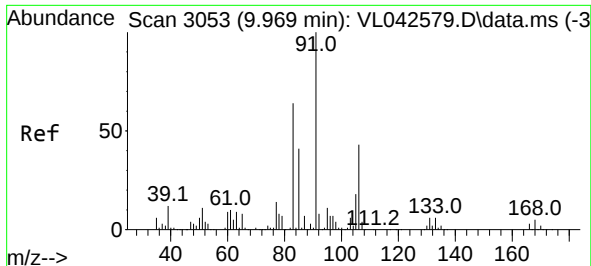
Tgt Ion:104 Resp: 1504
Ion Ratio Lower Upper
104 100
78 56.3 38.2 57.4
103 53.7 36.7 55.1



#62
Isopropylbenzene
Concen: 0.110 ppbv
RT: 10.542 min Scan# 3230
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:105 Resp: 5949
Ion Ratio Lower Upper
105 100
120 25.8 20.9 31.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.098 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

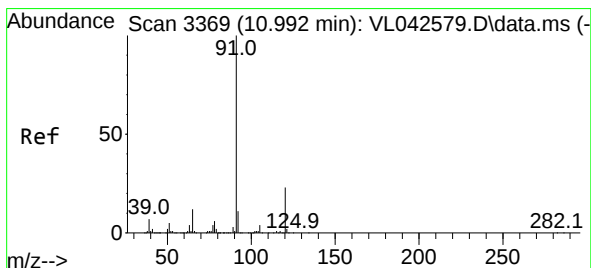
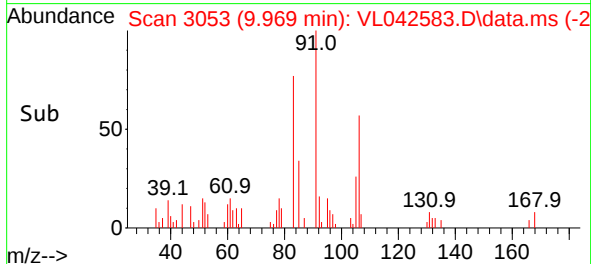
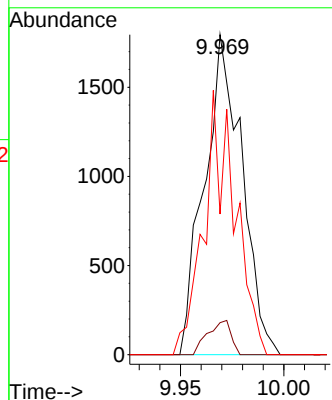
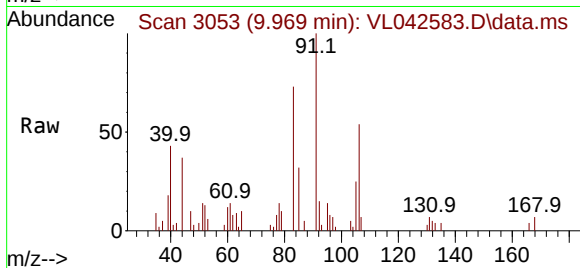
Tgt Ion: 83 Resp: 2267

Ion Ratio Lower Upper

83 100

131 6.6 4.8 14.4

85 68.0 32.5 97.4



#64

n-propylbenzene

Concen: 0.085 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.000 min

Lab File: VL042583.D

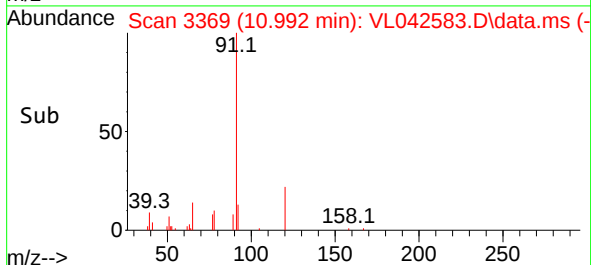
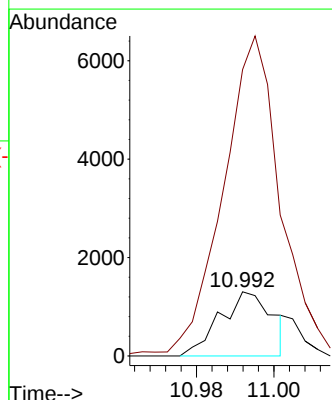
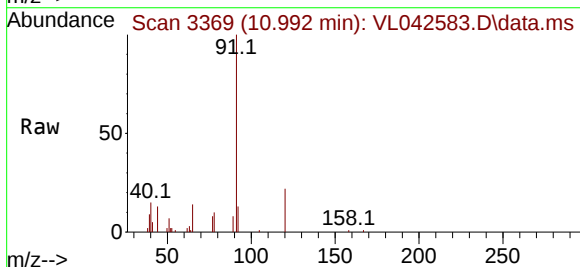
Acq: 29 May 2025 13:19

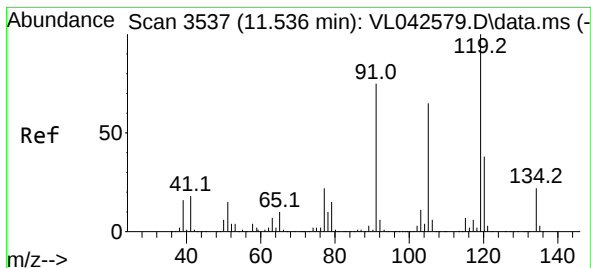
Tgt Ion: 120 Resp: 1232

Ion Ratio Lower Upper

120 100

91 548.3 363.0 544.6#





#65

tert-Butylbenzene

Concen: 0.106 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

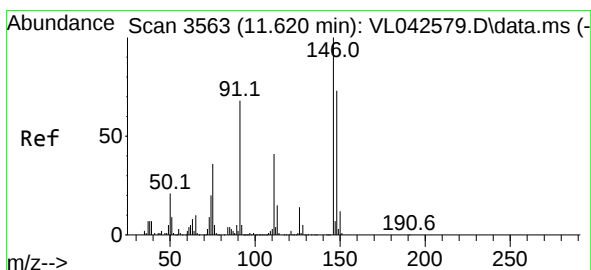
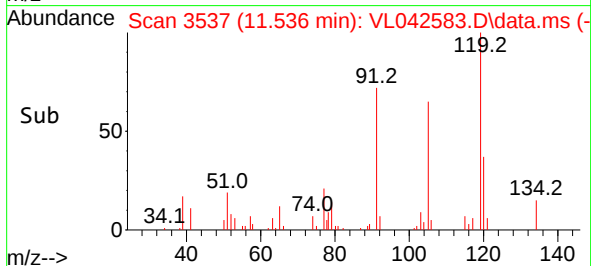
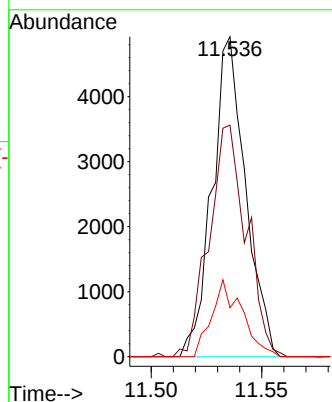
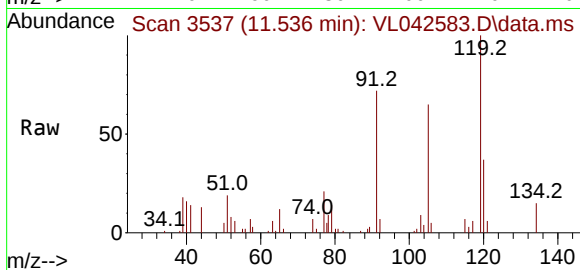
Tgt Ion:119 Resp: 5169

Ion Ratio Lower Upper

119 100

91 81.1 61.1 91.7

134 21.9 17.4 26.2



#66

Benzyl Chloride

Concen: 0.037 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

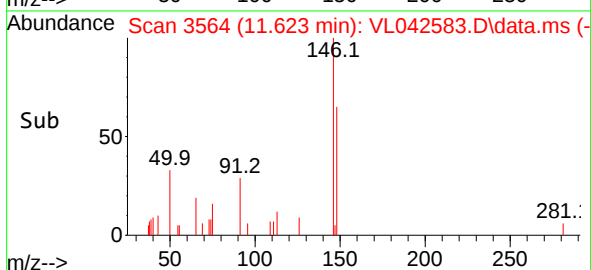
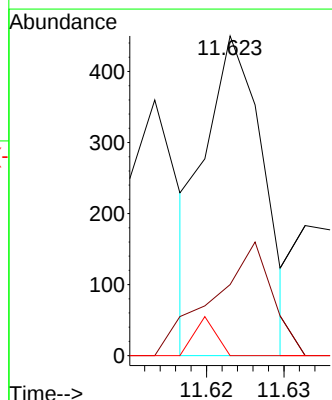
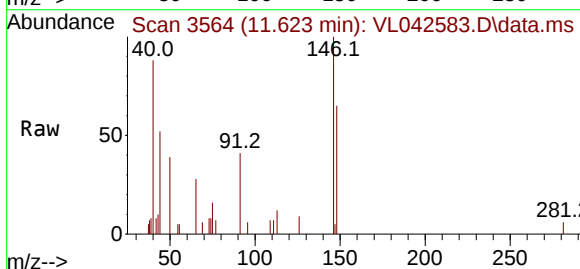
Tgt Ion: 91 Resp: 234

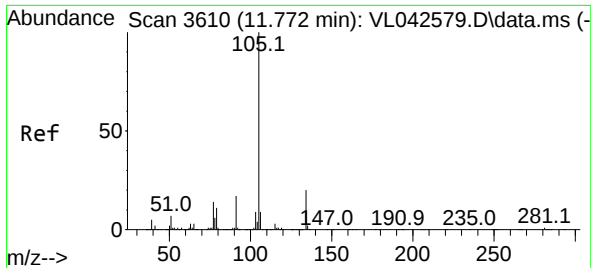
Ion Ratio Lower Upper

91 100

126 36.8 15.1 22.7#

128 0.0 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.058 ppbv

RT: 11.775 min Scan# 3611

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

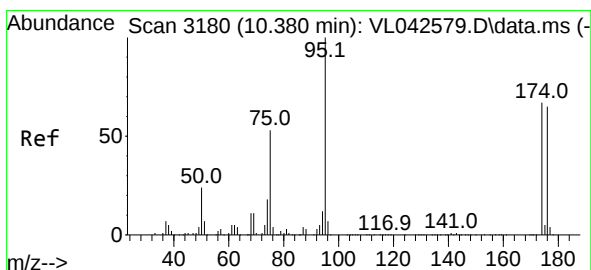
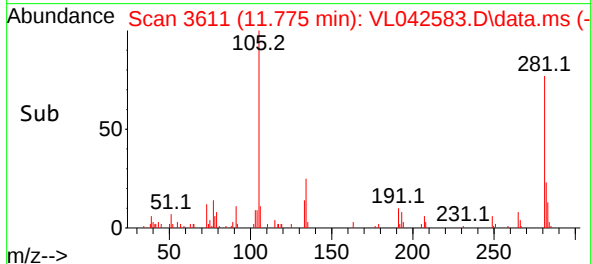
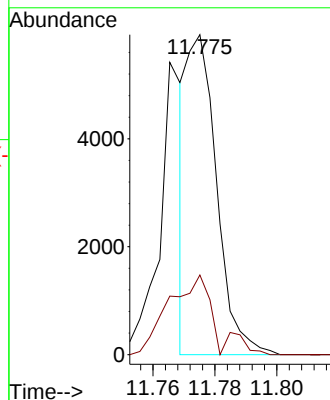
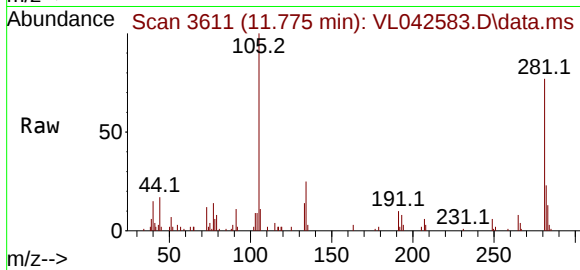
VSTDIC0.1

Tgt Ion:105 Resp: 3973

Ion Ratio Lower Upper

105 100

134 38.2 15.8 23.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.018 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

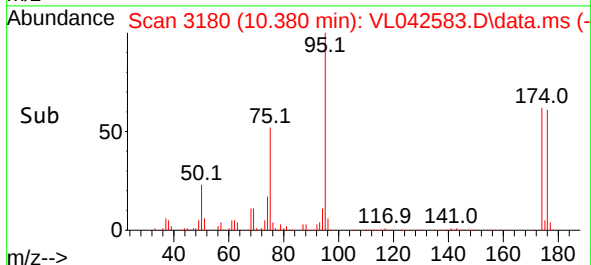
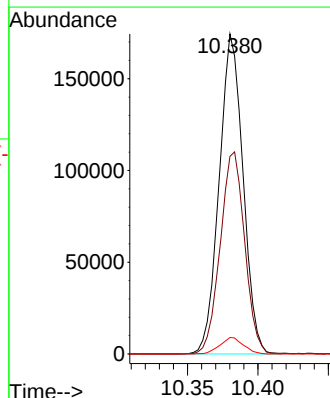
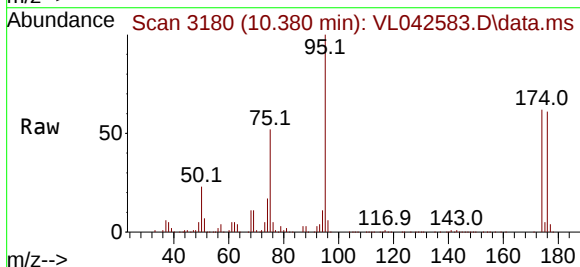
Tgt Ion: 95 Resp: 205672

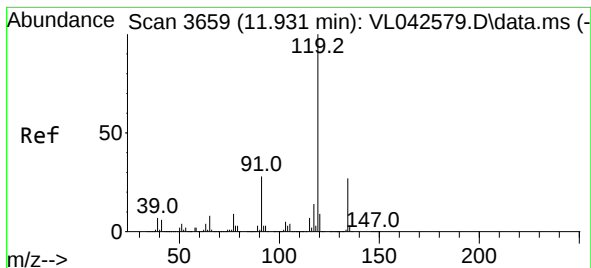
Ion Ratio Lower Upper

95 100

174 64.7 53.1 79.7

175 5.0 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.097 ppbv

RT: 11.934 min Scan# 3660

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

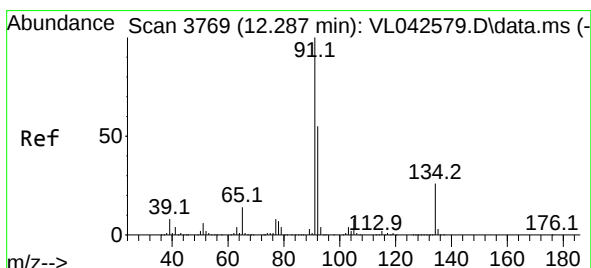
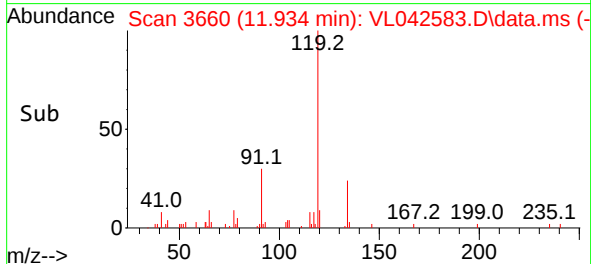
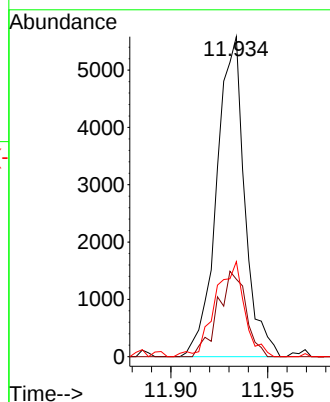
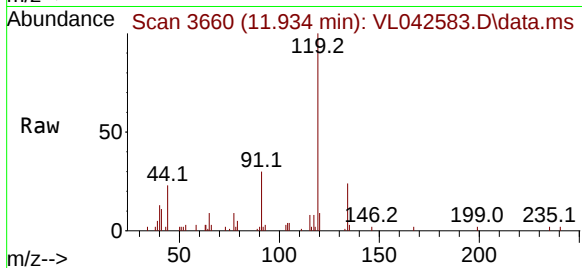
Tgt Ion:119 Resp: 5605

Ion Ratio Lower Upper

119 100

134 26.9 21.1 31.7

91 31.7 21.9 32.9



#70

n-Butylbenzene

Concen: 0.085 ppbv

RT: 12.287 min Scan# 3769

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

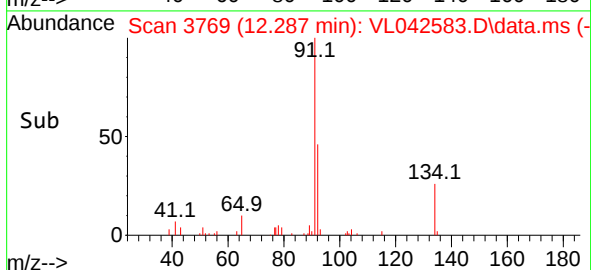
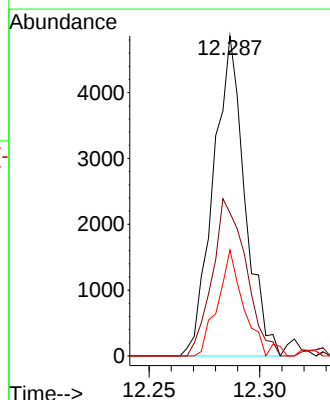
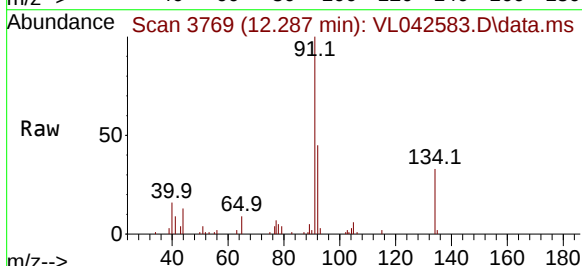
Tgt Ion: 91 Resp: 4829

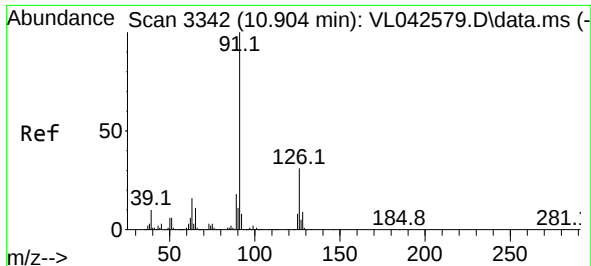
Ion Ratio Lower Upper

91 100

92 54.1 44.4 66.6

134 27.7 20.1 30.1





#71

2-Chlorotoluene

Concen: 0.099 ppbv

RT: 10.908 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_L

ClientSampleId :

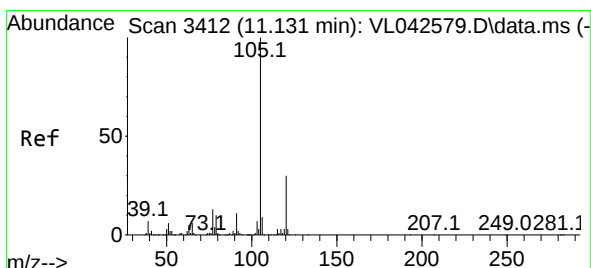
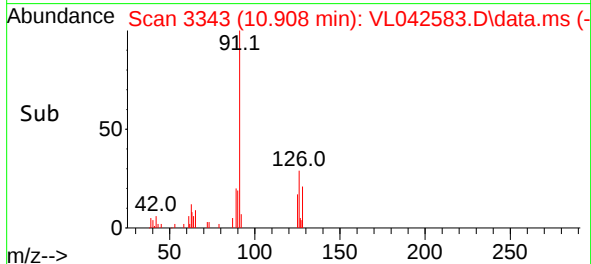
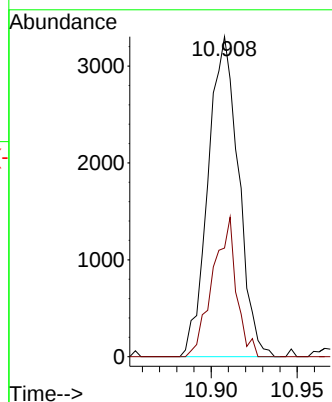
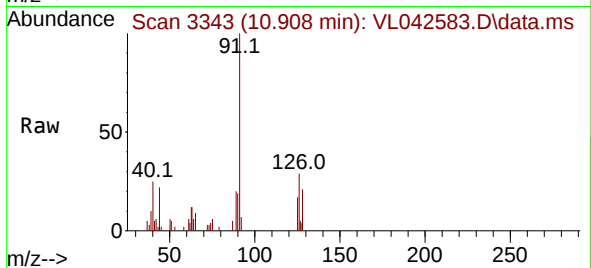
VSTDIC0.1

Tgt Ion: 91 Resp: 4065

Ion Ratio Lower Upper

91 100

126 33.8 12.6 50.4



#72

4-Ethyltoluene

Concen: 0.088 ppbv

RT: 11.131 min Scan# 3412

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Tgt Ion: 105 Resp: 3986

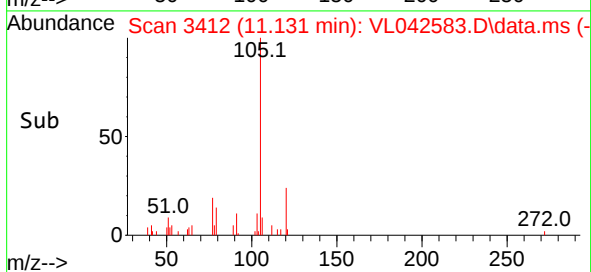
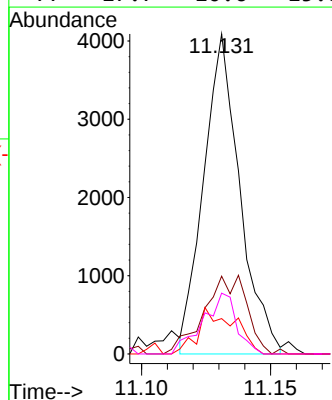
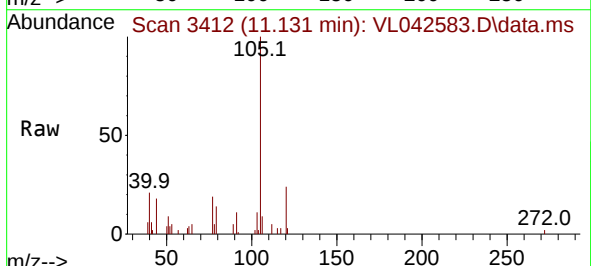
Ion Ratio Lower Upper

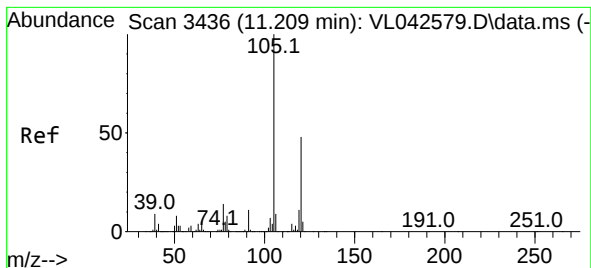
105 100

120 30.4 24.6 36.8

91 15.5 9.6 14.4#

77 17.7 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.096 ppbv

RT: 11.206 min Scan# 3436

Delta R.T. -0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

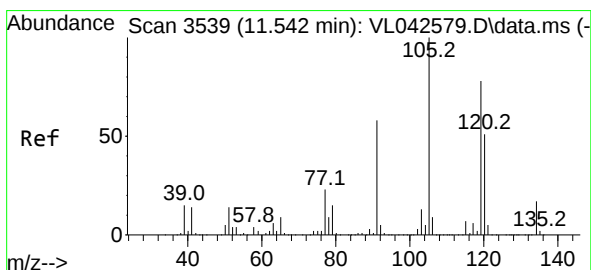
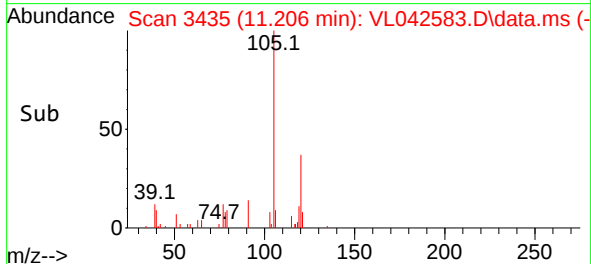
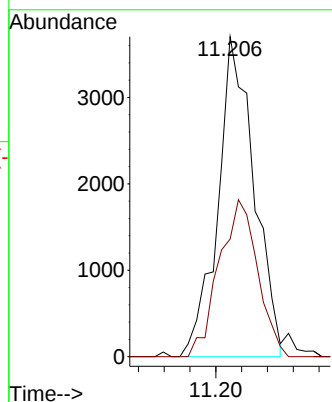
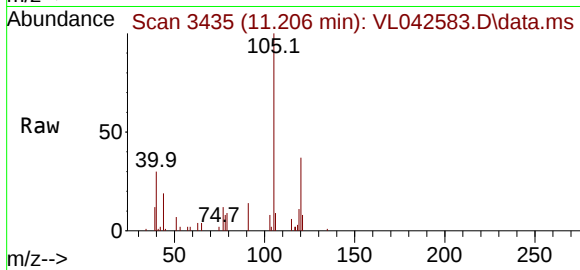
VSTDIC0.1

Tgt Ion:105 Resp: 3615

Ion Ratio Lower Upper

105 100

120 36.8 38.8 58.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.103 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Tgt Ion:105 Resp: 4287

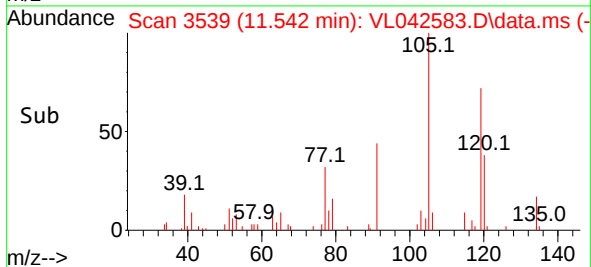
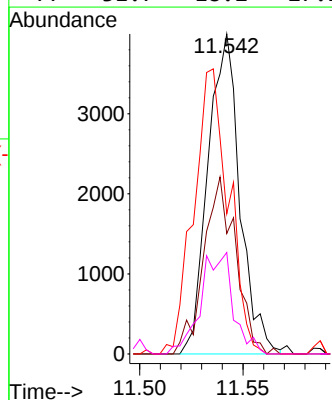
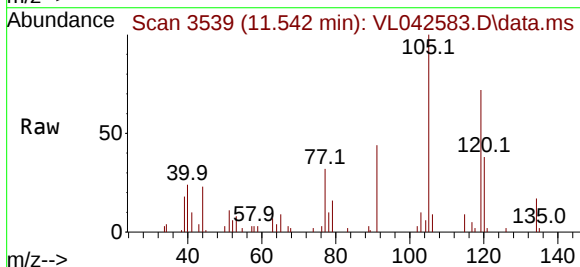
Ion Ratio Lower Upper

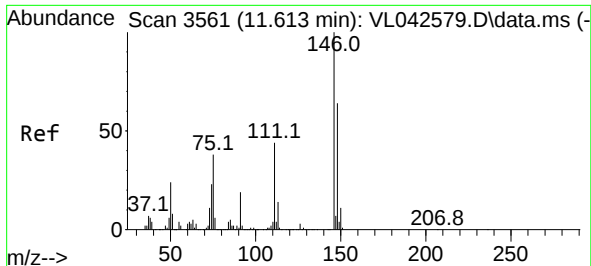
105 100

120 39.5 40.8 61.2#

91 43.8 46.8 70.2#

77 31.7 18.2 27.2#

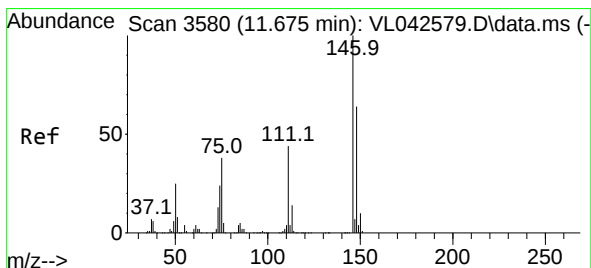
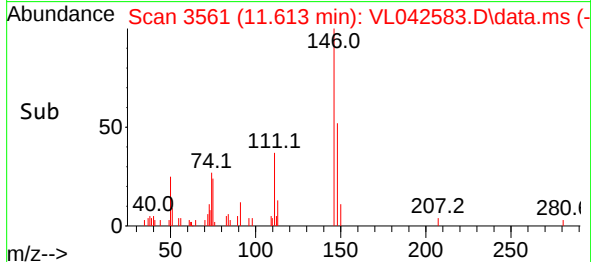
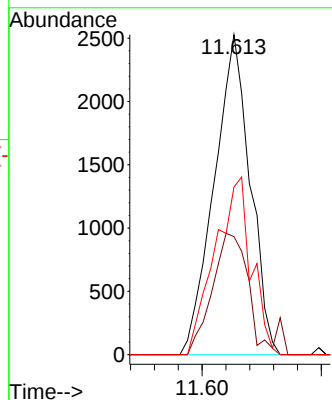
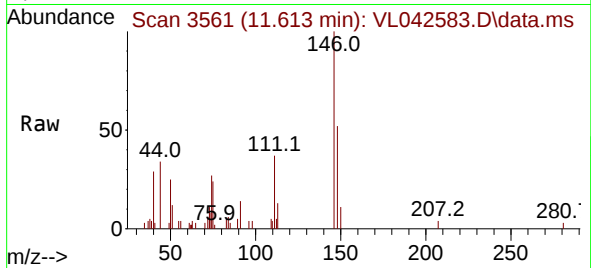




#75
1,3-Dichlorobenzene
Concen: 0.101 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

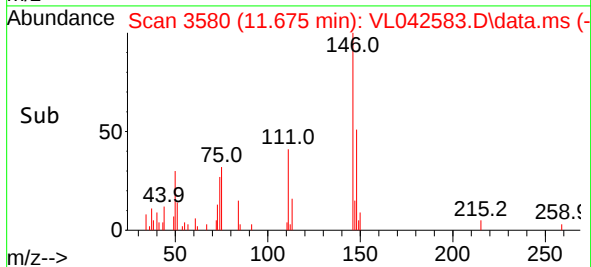
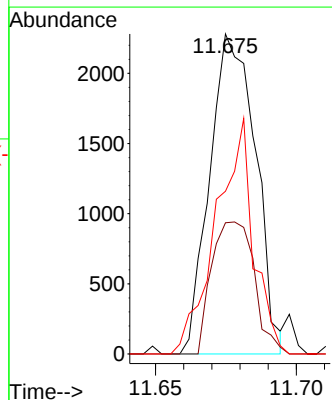
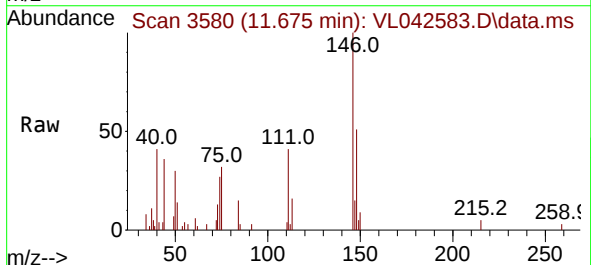
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

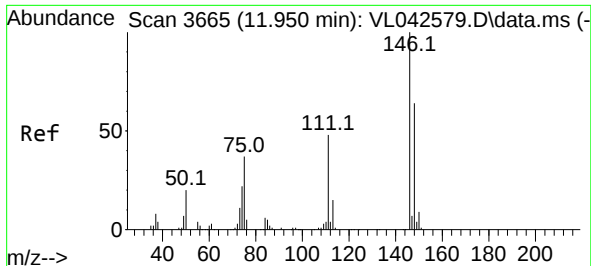
Tgt Ion:146 Resp: 2648
Ion Ratio Lower Upper
146 100
111 39.7 22.4 67.3
148 56.2 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 0.098 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:146 Resp: 2574
Ion Ratio Lower Upper
146 100
111 38.5 21.6 64.8
148 60.0 32.1 96.5

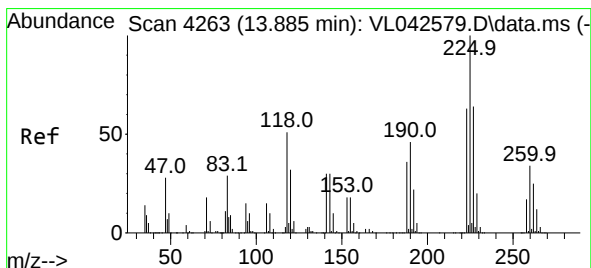
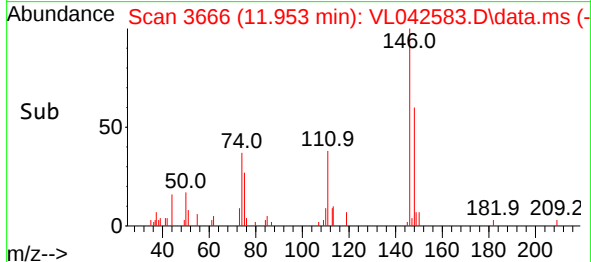
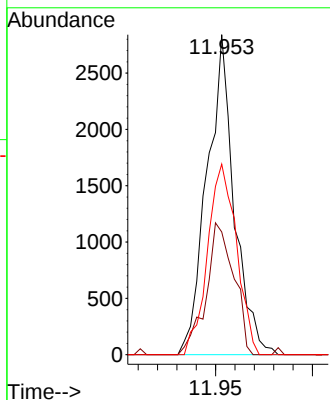
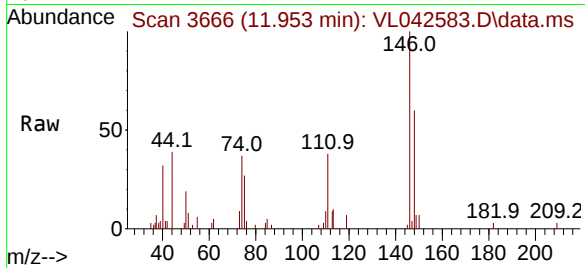




#77
1,2-Dichlorobenzene
Concen: 0.109 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. 0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

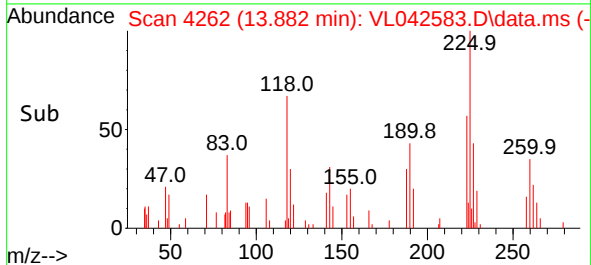
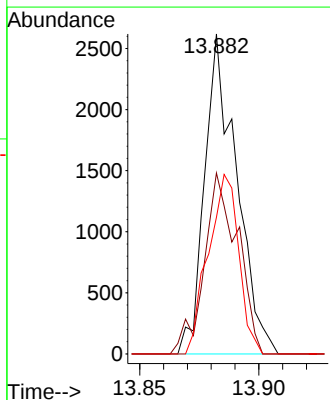
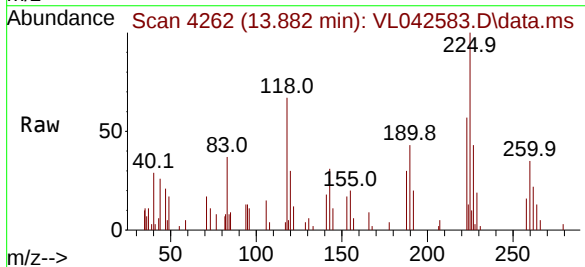
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

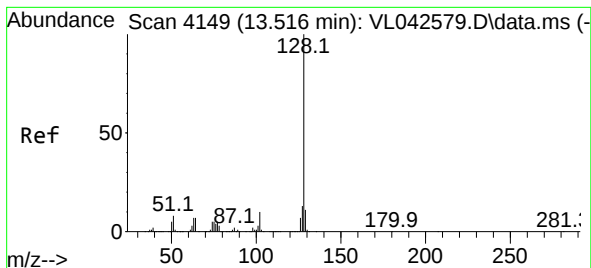
Tgt Ion:	146	Resp:	2775
Ion Ratio	Lower	Upper	
146	100		
111	42.5	23.1	69.3
148	63.3	32.1	96.3



#78
Hexachloro-1,3-Butadiene
Concen: 0.116 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042583.D
Acq: 29 May 2025 13:19

Tgt Ion:	225	Resp:	2440
Ion Ratio	Lower	Upper	
225	100		
223	59.2	50.2	75.4
227	53.6	51.1	76.7





#79

Naphthalene

Concen: 0.074 ppbv

RT: 13.523 min Scan# 4149

Delta R.T. 0.006 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

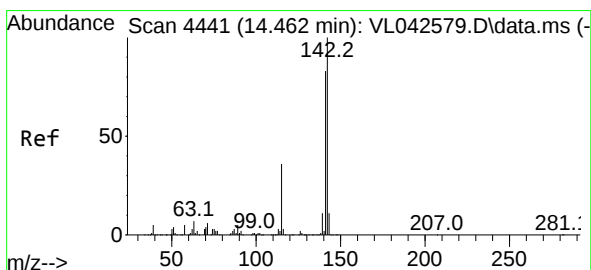
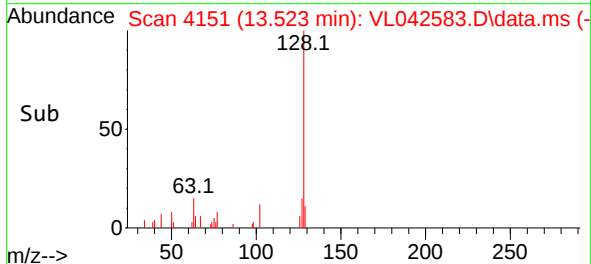
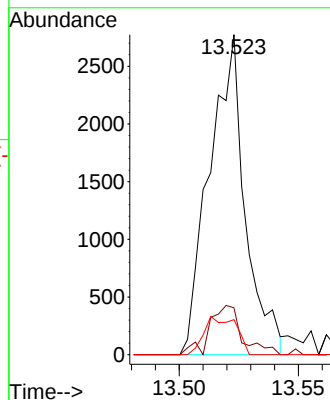
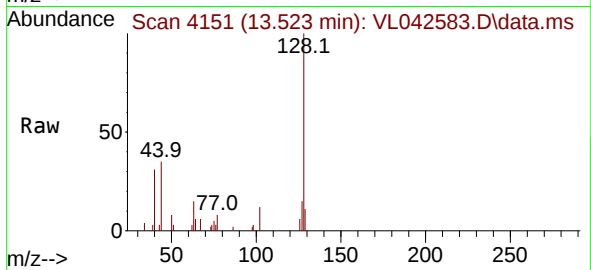
Tgt Ion:128 Resp: 2887

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 9.9 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 0.039 ppbv

RT: 14.481 min Scan# 4447

Delta R.T. 0.019 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

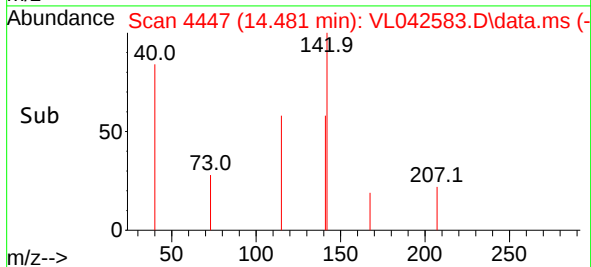
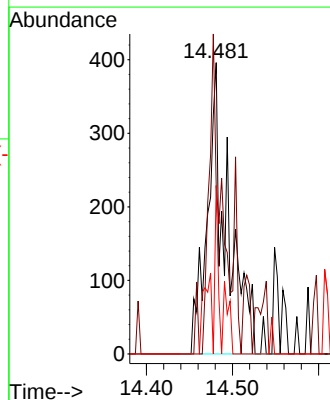
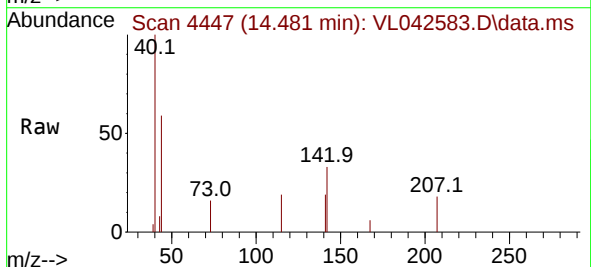
Tgt Ion:142 Resp: 688

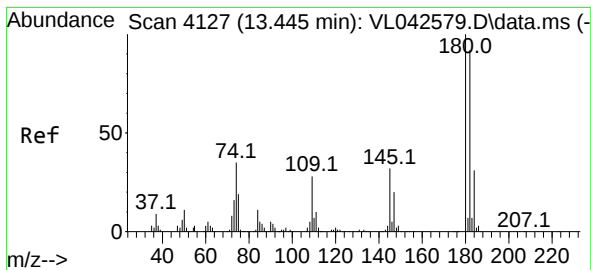
Ion Ratio Lower Upper

142 100

141 70.9 66.2 99.4

115 19.0 28.3 42.5#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.050 ppbv
 RT: 13.448 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL042583.D
 Acq: 29 May 2025 13:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion:180 Resp: 1109
 Ion Ratio Lower Upper
 180 100
 182 128.7 75.0 112.4#
 184 36.1 24.6 36.8

