

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100225\
 Data File : VL043036.D
 Acq On : 02 Oct 2025 12:35
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Oct 03 08:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 07:59:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.771	49	175730	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	510906	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	418551	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.358	95	289539	9.603	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.547	85	2739	0.092	ppbv	99
3) Chlorodifluoromethane	1.470	51	2921	0.102	ppbv	100
4) Chloromethane	1.528	50	1038	0.096	ppbv #	79
5) Vinyl Chloride	1.573	62	1208	0.118	ppbv	96
6) Bromomethane	1.661	94	594	0.129	ppbv #	76
7) Chloroethane	1.696	64	523	0.122	ppbv #	87
8) Dichlorotetrafluoroethane	1.547	85	2739	0.113	ppbv	93
9) Propene	1.479	41	1159	0.100	ppbv #	66
10) Heptane	4.949	43	1424	0.050	ppbv #	27
11) Trichlorofluoromethane	1.871	101	3324	0.109	ppbv	88
12) 1,1,2-Trichlorotrifluo...	2.130	101	2469	0.103	ppbv	90
13) Ethanol	1.878	45	1485	2.277	ppbv #	31
14) Bromoethene	1.774	108	877	0.102	ppbv #	65
15) Acetone	1.829	43	3570	0.145	ppbv #	83
16) 1,3-Butadiene	1.602	39	1266	0.125	ppbv	98
17) tert-Butyl alcohol	2.033	59	2818	0.108	ppbv #	75
18) 1,1-Dichloroethene	2.026	96	1148	0.109	ppbv #	90
19) Isopropyl Alcohol	1.878	45	1485	0.126	ppbv #	34
20) Methylene Chloride	2.052	84	3433	0.320	ppbv	89
21) Allyl Chloride	2.085	41	1818	0.115	ppbv #	31
22) trans-1,2-Dichloroethene	2.331	96	1214	0.102	ppbv #	87
23) Vinyl Acetate	2.454	43	481	0.092	ppbv #	81
24) 1,1-Dichloroethane	2.395	63	2411	0.107	ppbv	94
25) Ethyl Acetate	2.823	43	5232	0.085	ppbv #	94
26) Hexane	2.816	57	2146	0.090	ppbv #	88
27) Carbon Disulfide	2.140	76	2854	0.102	ppbv #	1
28) Methyl tert-Butyl Ether	2.431	73	1630	0.110	ppbv #	81
29) Chloroform	2.836	83	4263	0.105	ppbv	88
30) Cyclohexane	3.836	84	1281	0.066	ppbv #	68
31) cis-1,2-Dichloroethene	2.331	61	2085	0.085	ppbv	93
32) 1,1,1-Trichloroethane	3.350	97	3686	0.094	ppbv	96
34) 2-Butanone	2.551	43	3448	0.099	ppbv	100
35) Carbon Tetrachloride	3.739	117	4230	0.101	ppbv #	91
36) Benzene	3.635	78	4981	0.102	ppbv #	90
37) 1,2-Dichloroethane	3.201	62	2909	0.101	ppbv	96
38) Trichloroethene	4.522	130	1457	0.072	ppbv	92
39) 1,2-Dichloropropane	4.286	63	1425	0.079	ppbv #	65
40) 1,4-Dioxane	4.583	88	148	0.019	ppbv #	23
41) Tetrahydrofuran	3.046	42	1667	0.093	ppbv #	89
42) Bromodichloromethane	4.457	83	2612	0.064	ppbv #	97
43) Methyl Methacrylate	4.852	69	604	0.037	ppbv #	1
44) 2,2,4-Trimethylpentane	4.606	57	2328	0.030	ppbv #	18
45) t-1,3-Dichloropropene	6.373	75	441	0.030	ppbv	92

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

Instrument :
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 ClientSampleId :
 VSTDICC0.1

Quant Time: Oct 03 08:04:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 07:59:23 2025
 Response via : Initial Calibration

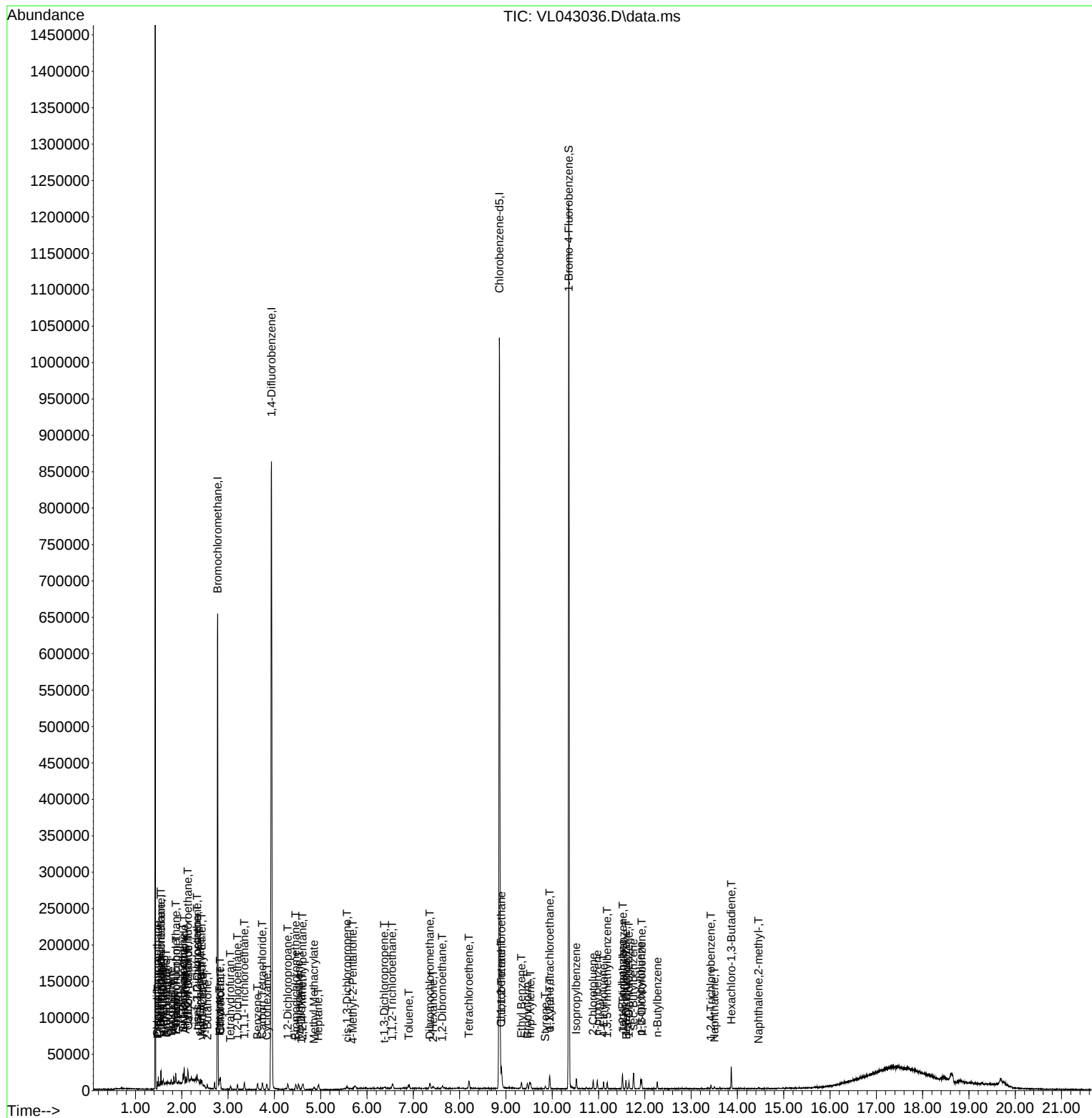
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.567	75	620	0.030	ppbv #	62
47) 1,1,2-Trichloroethane	6.542	97	991	0.049	ppbv #	50
48) Dibromochloromethane	7.354	129	1594	0.049	ppbv #	11
49) Bromoform	9.461	173	2335	0.085	ppbv	96
50) 4-Methyl-2-Pentanone	5.694	43	46	0.001	ppbv #	39
51) 2-Hexanone	7.428	43	905	0.030	ppbv #	14
52) Tetrachloroethene	8.199	164	1674	0.092	ppbv #	75
53) Toluene	6.901	91	1245	0.025	ppbv #	1
54) 1,2-Dibromoethane	7.626	107	1573	0.066	ppbv	82
56) 1,1,1,2-Tetrachloroethane	8.901	131	2535	0.099	ppbv #	58
57) Chlorobenzene	8.898	112	4400	0.099	ppbv #	88
58) Ethyl Benzene	9.335	91	4285	0.066	ppbv #	82
59) m/p-Xylene	9.529	91	3001	0.055	ppbv #	14
60) o-Xylene	9.943	91	2773	0.051	ppbv	76
61) Styrene	9.849	104	1322	0.058	ppbv #	83
62) Isopropylbenzene	10.519	105	5799	0.069	ppbv	94
63) 1,1,2,2-Tetrachloroethane	9.946	83	3701	0.094	ppbv	93
64) n-propylbenzene	10.976	120	1371	0.064	ppbv	78
65) tert-Butylbenzene	11.516	119	3738	0.050	ppbv #	90
66) Benzyl Chloride	11.600	91	110	0.038	ppbv #	65
67) sec-Butylbenzene	11.753	105	5688	0.055	ppbv	99
69) p-Isopropyltoluene	11.908	119	3673	0.043	ppbv #	89
70) n-Butylbenzene	12.270	91	3386	0.042	ppbv	95
71) 2-Chlorotoluene	10.885	91	4260	0.070	ppbv	94
72) 4-Ethyltoluene	11.108	105	3174	0.049	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.189	105	3255	0.058	ppbv #	73
74) 1,2,4-Trimethylbenzene	11.523	105	2998	0.047	ppbv #	89
75) 1,3-Dichlorobenzene	11.591	146	2660	0.065	ppbv	96
76) 1,4-Dichlorobenzene	11.655	146	2353	0.060	ppbv	97
77) 1,2-Dichlorobenzene	11.934	146	2917	0.071	ppbv	94
78) Hexachloro-1,3-Butadiene	13.869	225	2708	0.095	ppbv	95
79) Naphthalene	13.500	128	1393	0.261	ppbv #	94
80) Naphthalene,2-methyl-	14.452	142	713	0.689	ppbv #	77
81) 1,2,4-Trichlorobenzene	13.426	180	564	0.023	ppbv #	12

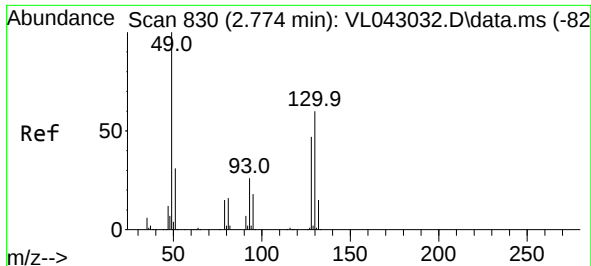
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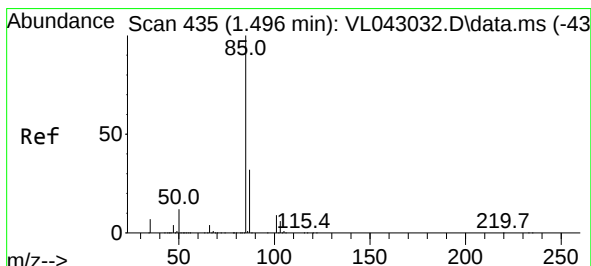
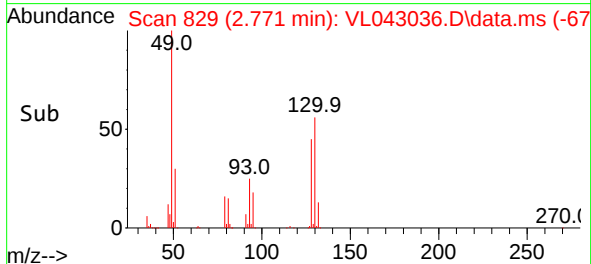
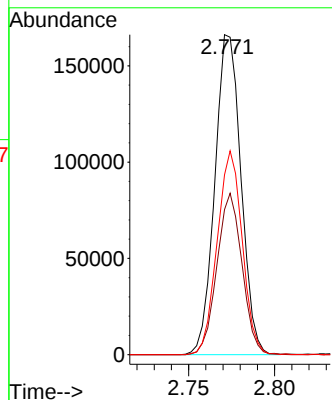
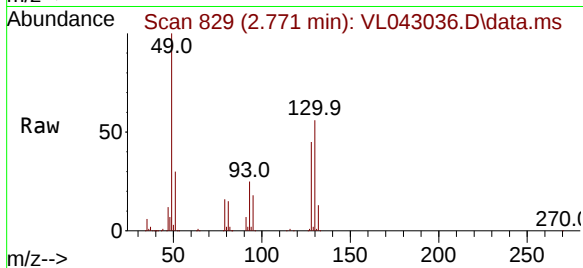




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.771 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

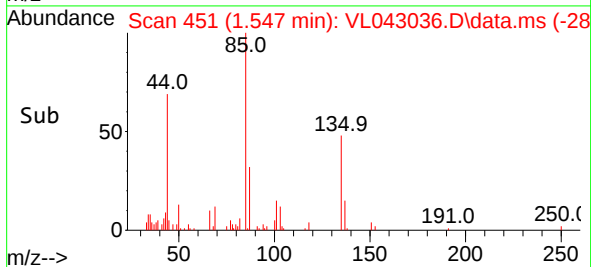
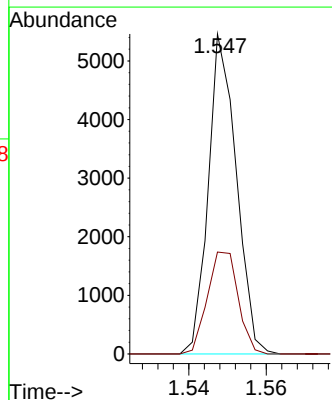
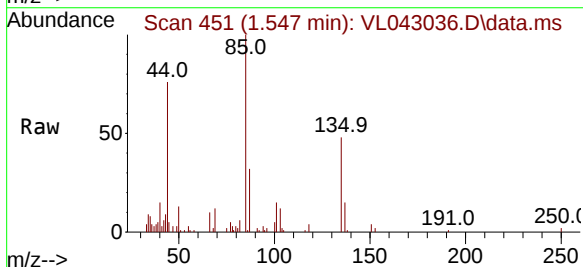
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MSVOA_L
ClientSampleId :
VSTDIC0.1

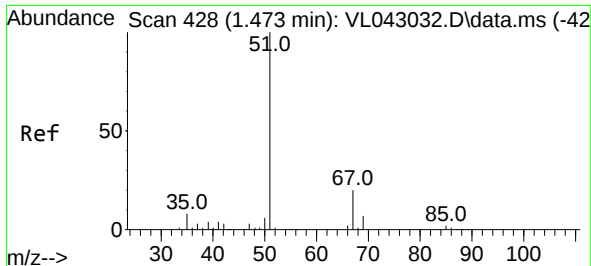
Tgt Ion: 49 Resp: 175730
Ion Ratio Lower Upper
49 100
128 48.4 24.1 72.2
130 61.1 31.4 94.3



#2
Dichlorodifluoromethane
Concen: 0.092 ppbv
RT: 1.547 min Scan# 451
Delta R.T. 0.052 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 85 Resp: 2739
Ion Ratio Lower Upper
85 100
87 31.9 25.8 38.6

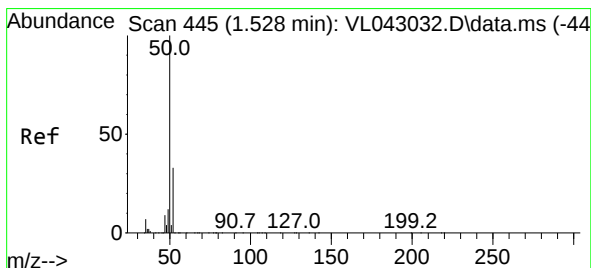
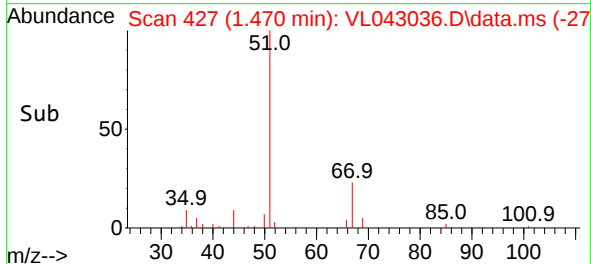
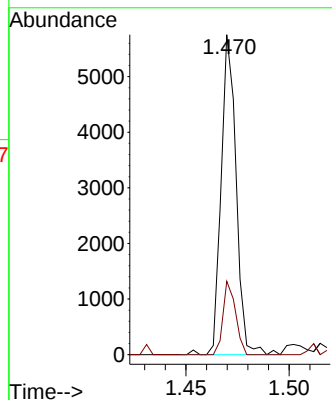
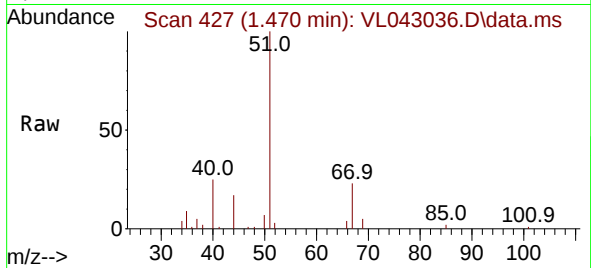




#3
Chlorodifluoromethane
Concen: 0.102 ppbv
RT: 1.470 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

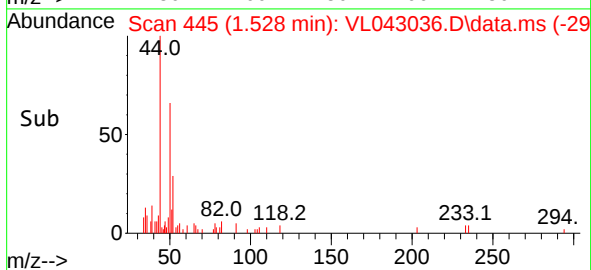
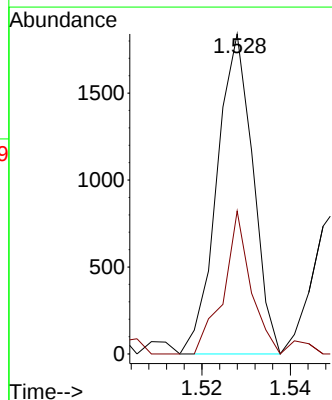
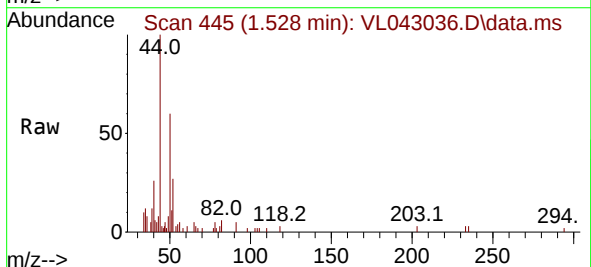
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

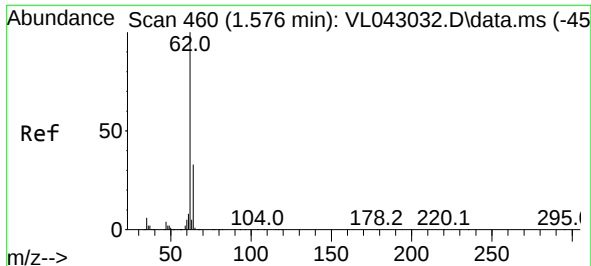
Tgt Ion: 51 Resp: 2921
Ion Ratio Lower Upper
51 100
67 19.1 15.1 22.7



#4
Chloromethane
Concen: 0.096 ppbv
RT: 1.528 min Scan# 445
Delta R.T. 0.000 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 50 Resp: 1038
Ion Ratio Lower Upper
50 100
52 44.7 26.2 39.2#

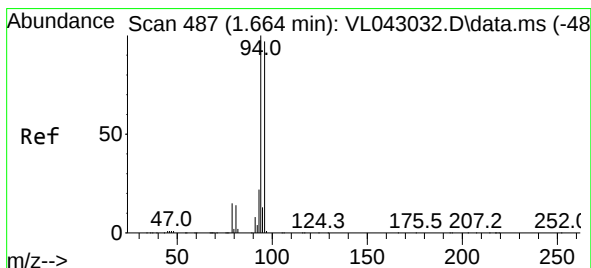
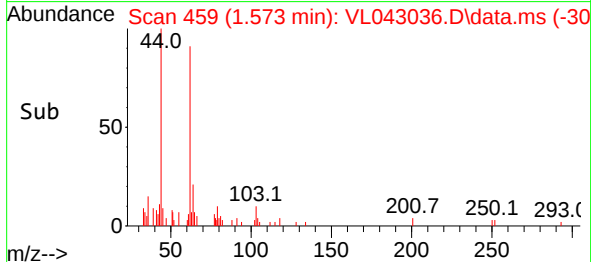
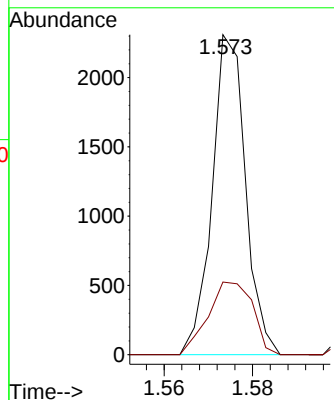
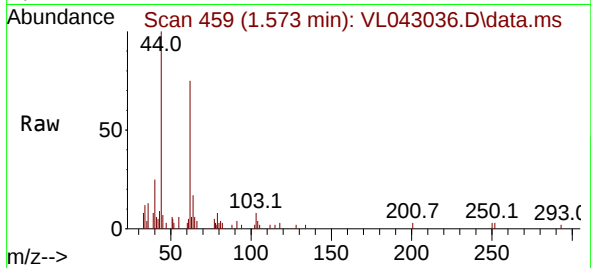




#5
 Vinyl Chloride
 Concen: 0.118 ppbv
 RT: 1.573 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

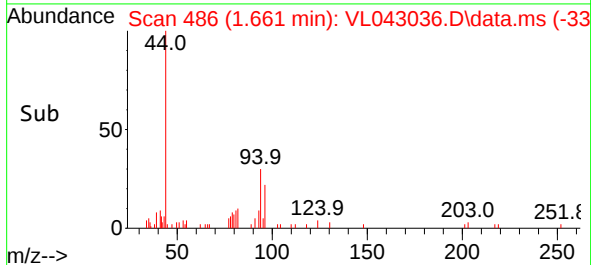
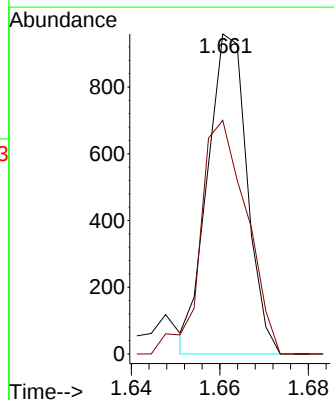
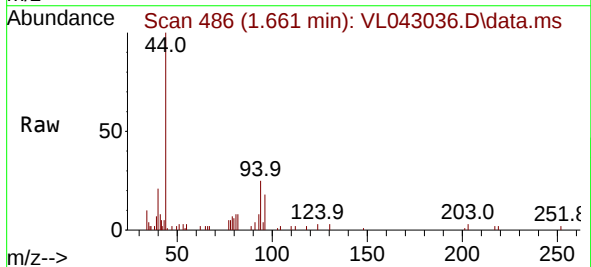
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

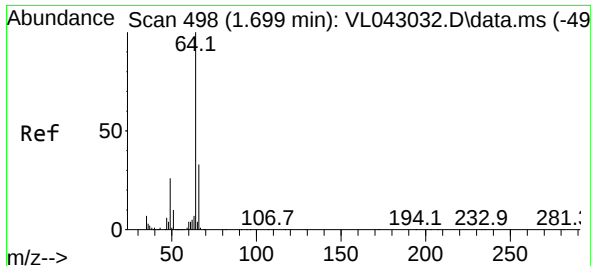
Tgt Ion: 62 Resp: 1208
 Ion Ratio Lower Upper
 62 100
 64 30.3 26.2 39.2



#6
 Bromomethane
 Concen: 0.129 ppbv
 RT: 1.661 min Scan# 486
 Delta R.T. -0.003 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

Tgt Ion: 94 Resp: 594
 Ion Ratio Lower Upper
 94 100
 96 73.0 77.6 116.4#

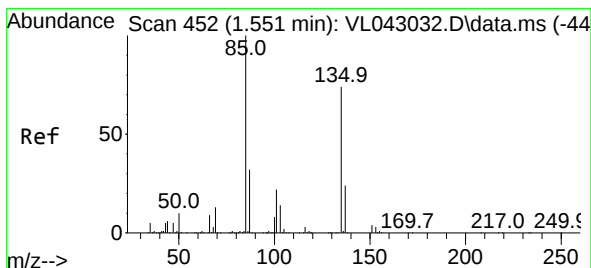
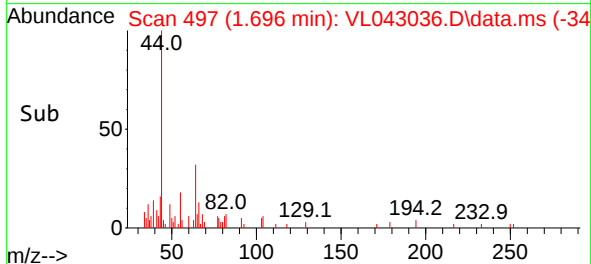
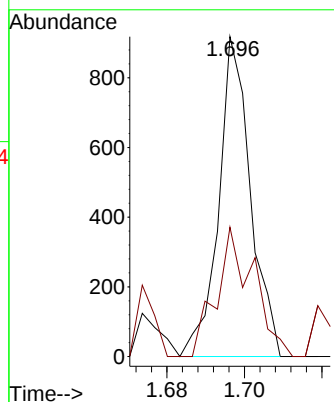
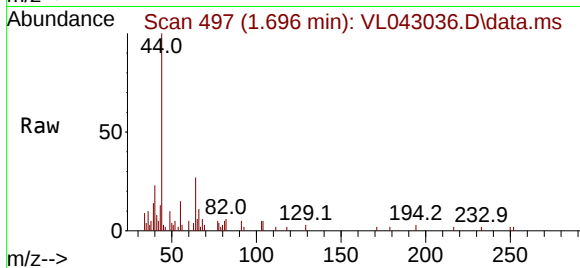




#7
Chloroethane
Concen: 0.122 ppbv
RT: 1.696 min Scan# 497
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

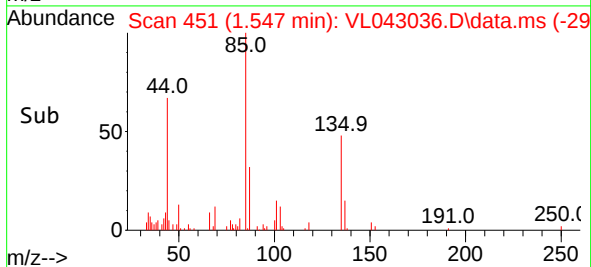
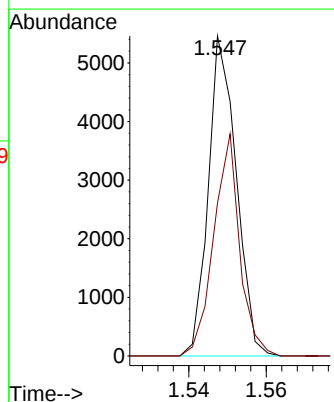
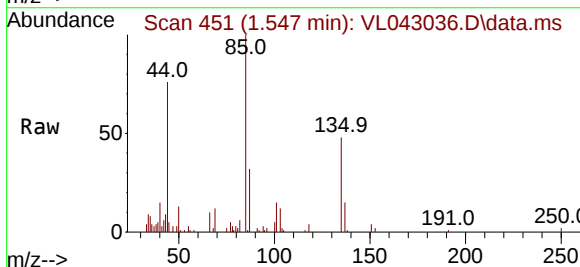
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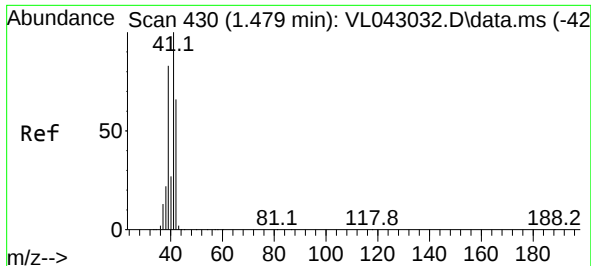
Tgt Ion: 64 Resp: 523
Ion Ratio Lower Upper
64 100
66 40.4 26.6 39.8#



#8
Dichlorotetrafluoroethane
Concen: 0.113 ppbv
RT: 1.547 min Scan# 451
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 85 Resp: 2739
Ion Ratio Lower Upper
85 100
135 64.4 56.3 84.5





#9

Propene

Concen: 0.100 ppbv

RT: 1.479 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

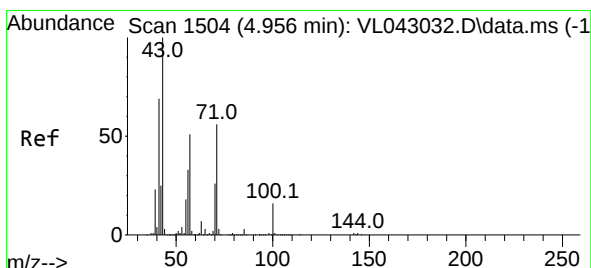
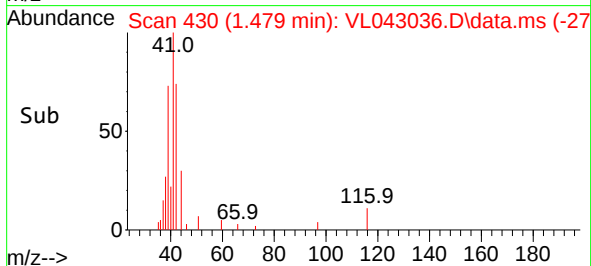
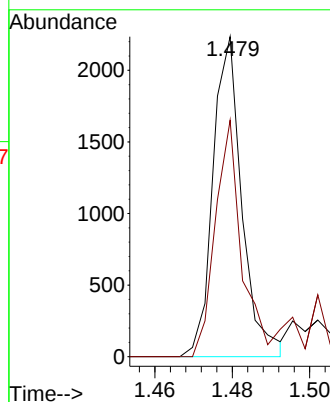
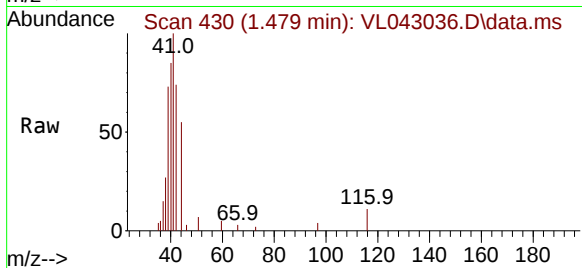
VSTDIC0.1

Tgt Ion: 41 Resp: 1159

Ion Ratio Lower Upper

41 100

42 93.5 53.3 79.9#



#10

Heptane

Concen: 0.050 ppbv

RT: 4.949 min Scan# 1502

Delta R.T. -0.006 min

Lab File: VL043036.D

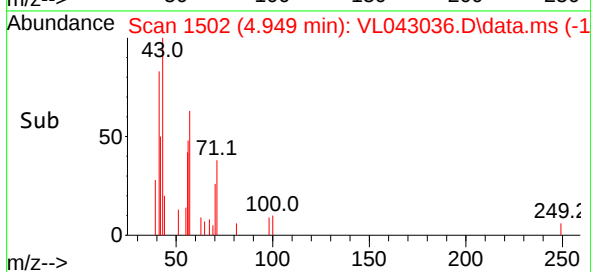
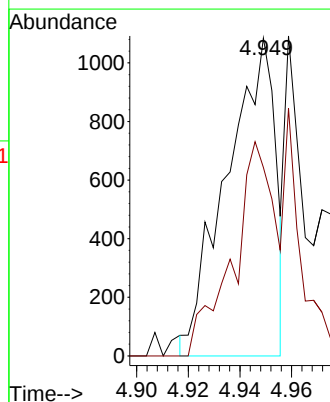
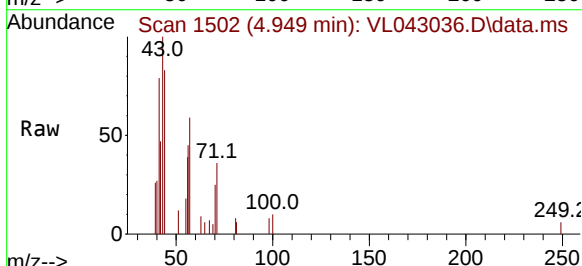
Acq: 02 Oct 2025 12:35

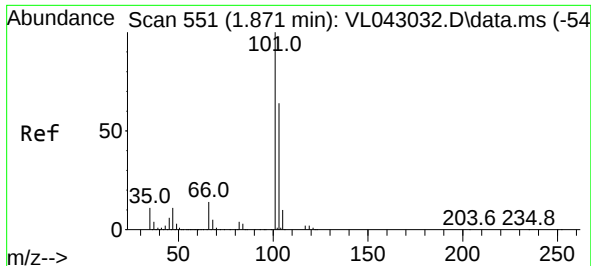
Tgt Ion: 43 Resp: 1424

Ion Ratio Lower Upper

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57 0.0 40.3 60.5#

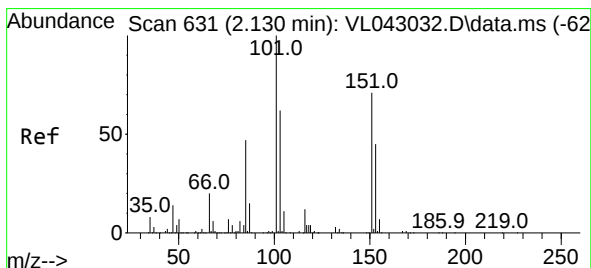
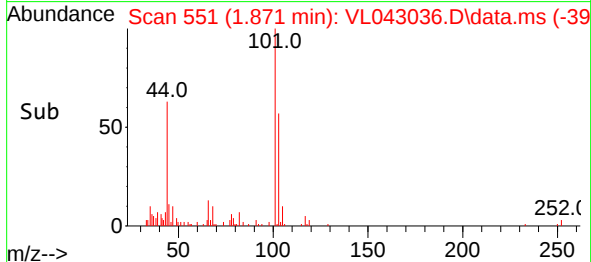
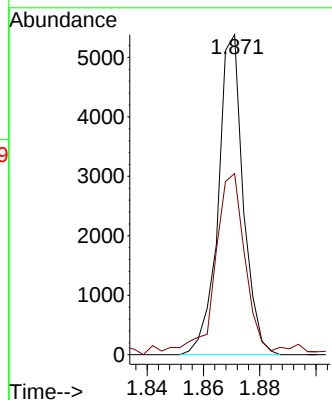
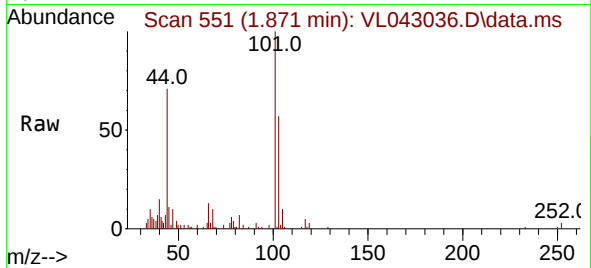




#11
 Trichlorofluoromethane
 Concen: 0.109 ppbv
 RT: 1.871 min Scan# 551
 Delta R.T. 0.000 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

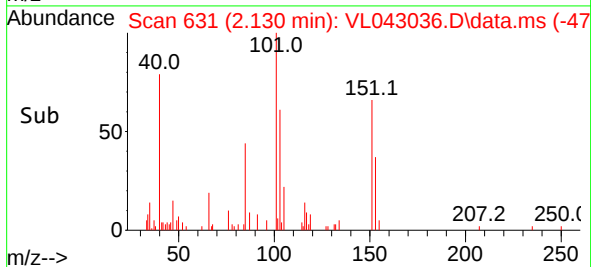
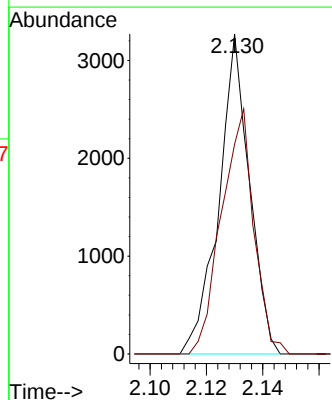
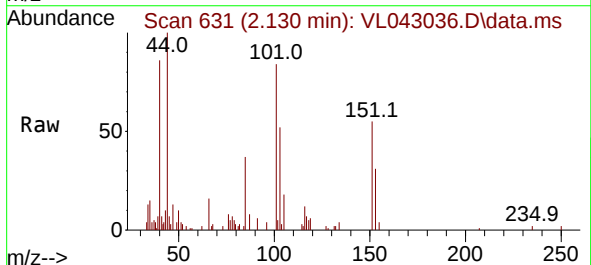
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

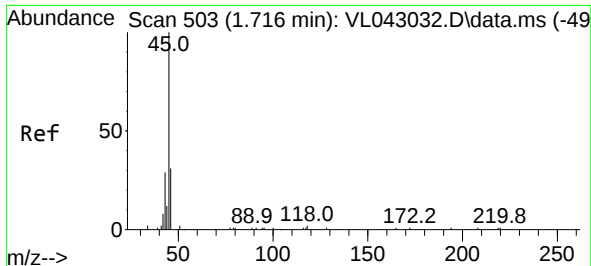
Tgt Ion:101 Resp: 3324
 Ion Ratio Lower Upper
 101 100
 103 54.4 51.1 76.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.103 ppbv
 RT: 2.130 min Scan# 631
 Delta R.T. 0.000 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

Tgt Ion:101 Resp: 2469
 Ion Ratio Lower Upper
 101 100
 151 81.0 58.1 87.1

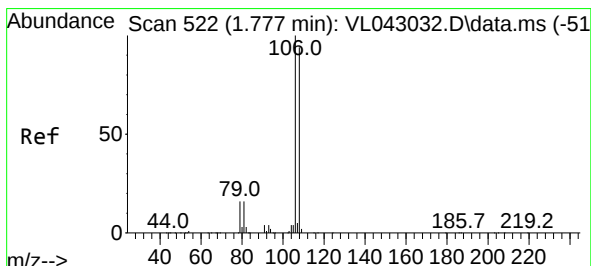
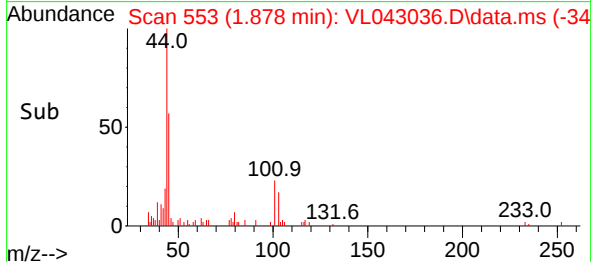
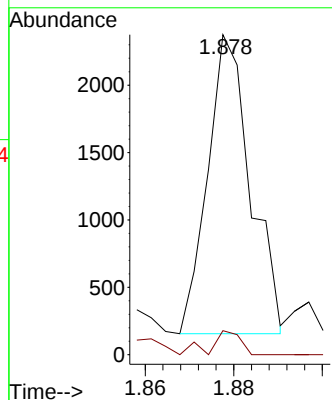
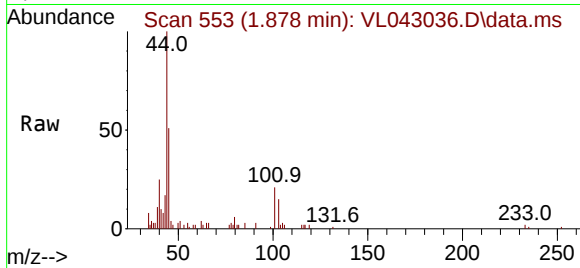




#13
Ethanol
Concen: 2.277 ppbv
RT: 1.878 min Scan# 51
Delta R.T. 0.162 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

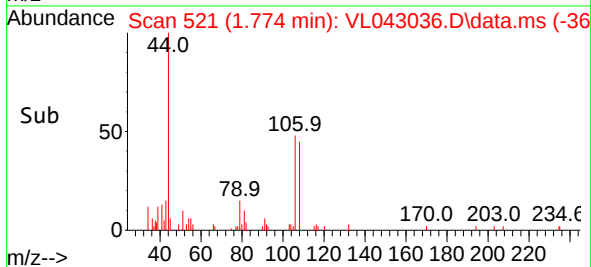
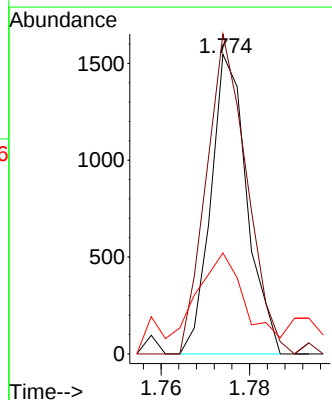
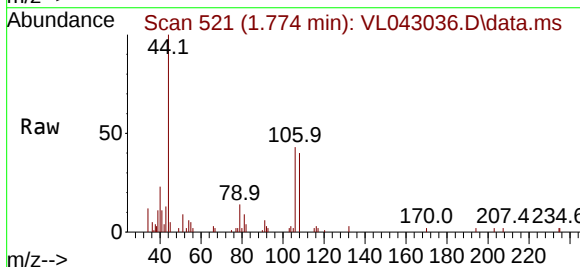
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

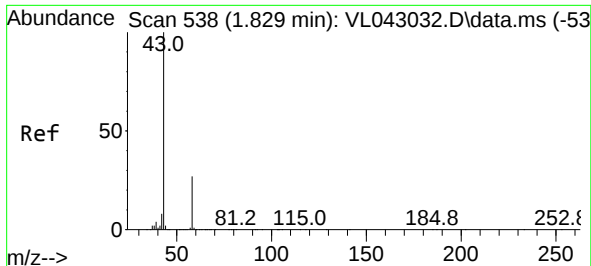
Tgt Ion: 45 Resp: 1485
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#



#14
Bromoethene
Concen: 0.102 ppbv
RT: 1.774 min Scan# 521
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 108 Resp: 877
Ion Ratio Lower Upper
108 100
106 121.1 85.2 127.8
79 86.7 14.8 22.2#

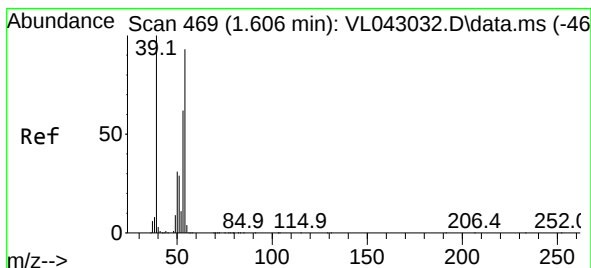
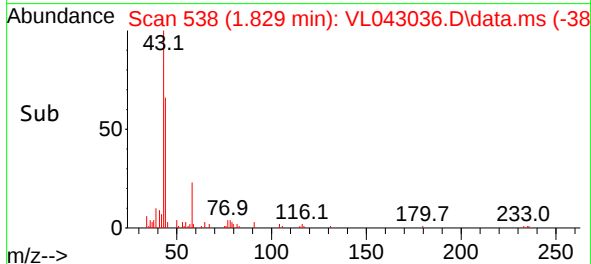
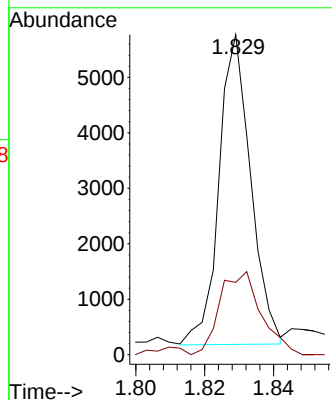
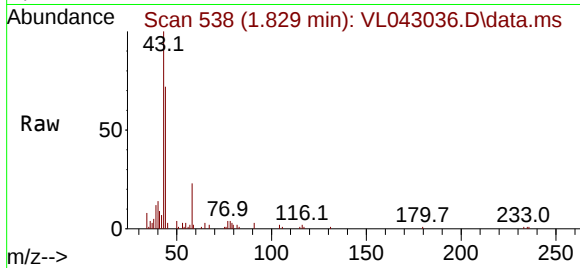




#15
Acetone
Concen: 0.145 ppbv
RT: 1.829 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

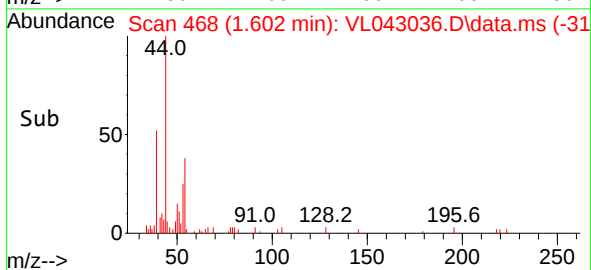
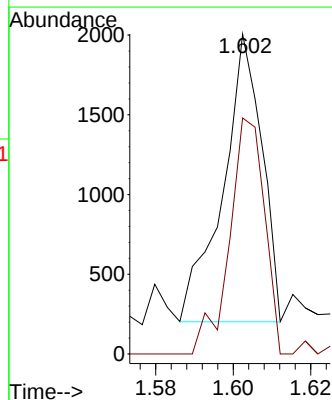
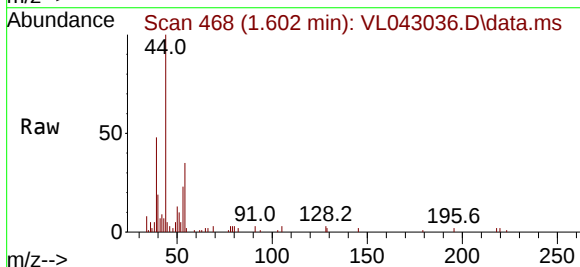
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

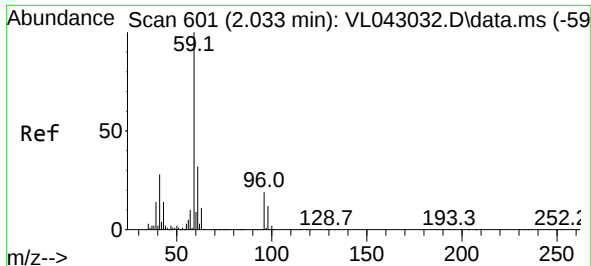
Tgt Ion: 43 Resp: 3570
Ion Ratio Lower Upper
43 100
58 36.7 22.2 33.4#



#16
1,3-Butadiene
Concen: 0.125 ppbv
RT: 1.602 min Scan# 468
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 39 Resp: 1266
Ion Ratio Lower Upper
39 100
54 75.2 61.4 92.2





#17

tert-Butyl alcohol

Concen: 0.108 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

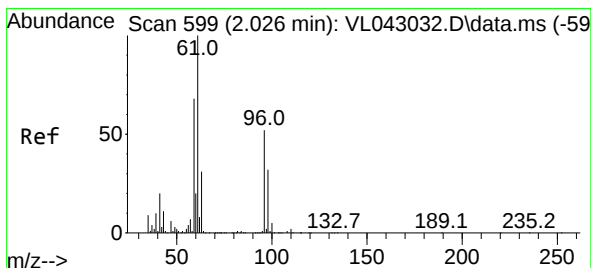
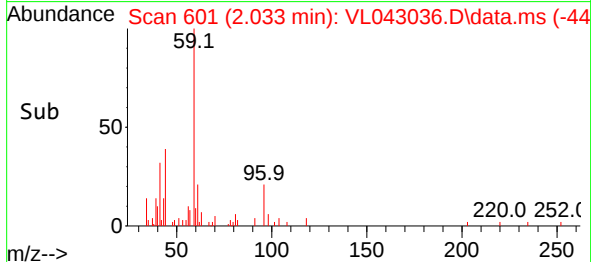
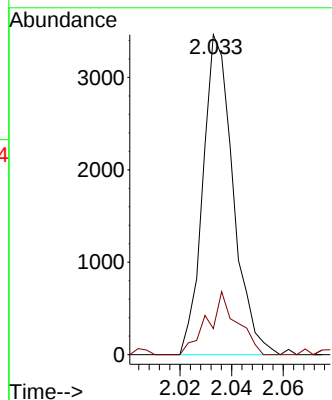
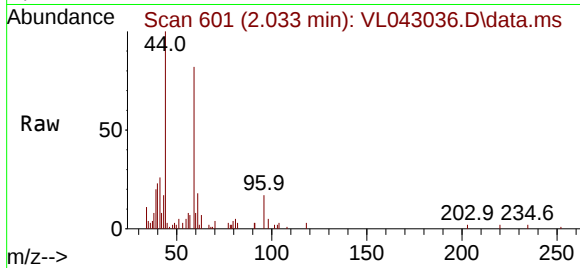
VSTDIC0.1

Tgt Ion: 59 Resp: 2818

Ion Ratio Lower Upper

59 100

57 20.0 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.109 ppbv

RT: 2.026 min Scan# 599

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

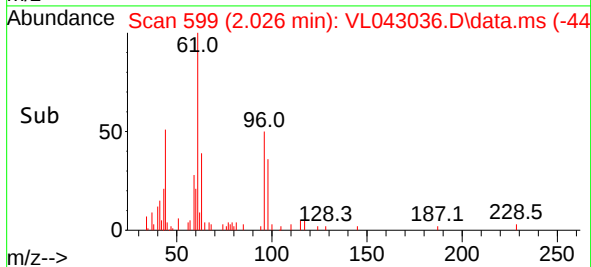
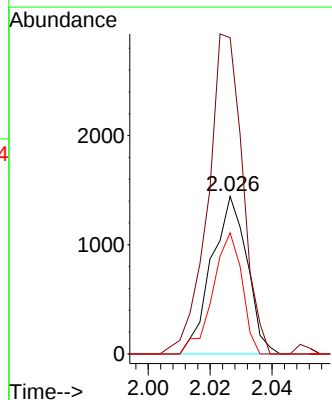
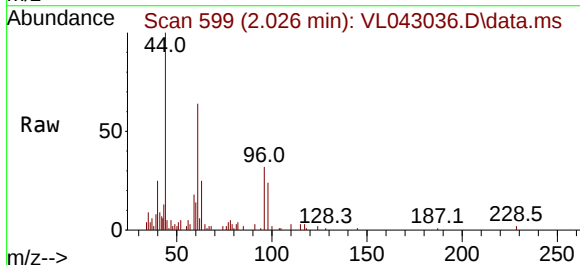
Tgt Ion: 96 Resp: 1148

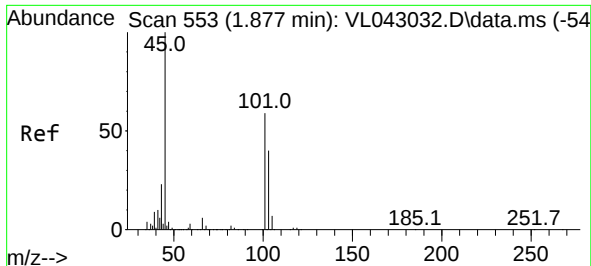
Ion Ratio Lower Upper

96 100

61 200.6 153.0 229.6

98 76.8 48.8 73.2#

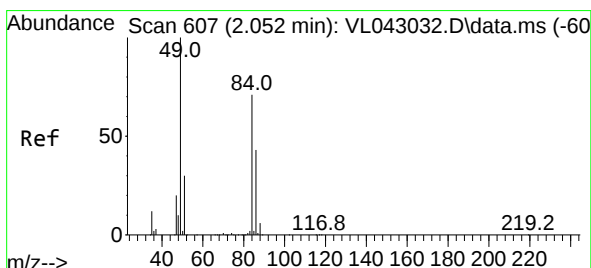
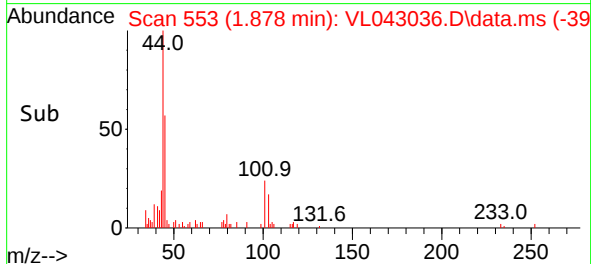
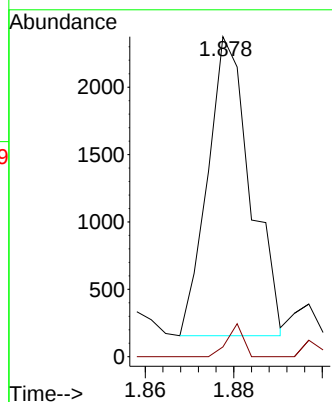
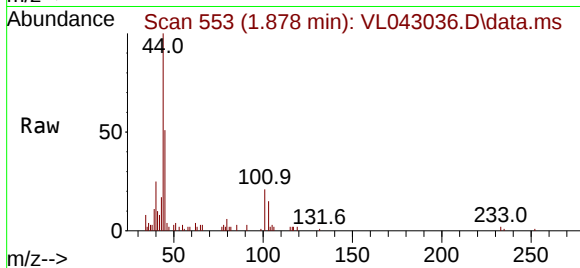




#19
Isopropyl Alcohol
Concen: 0.126 ppbv
RT: 1.878 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

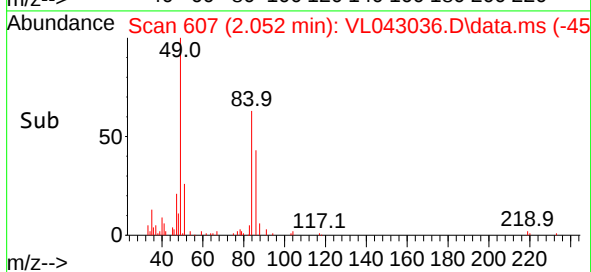
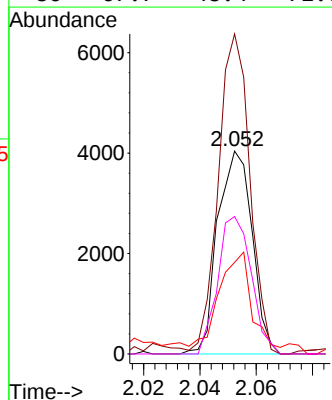
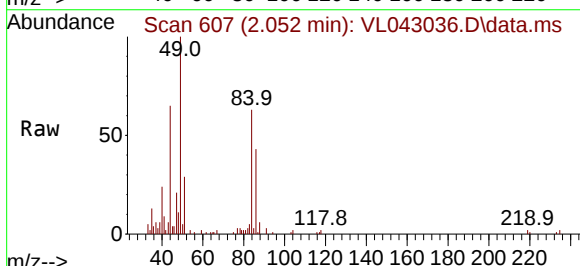
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

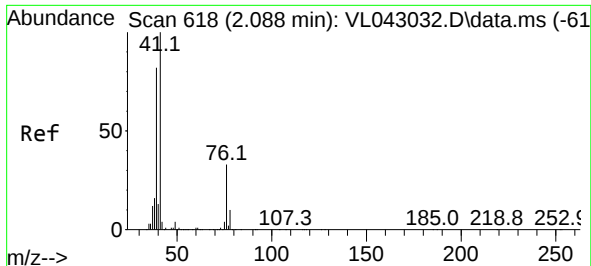
Tgt Ion: 45 Resp: 1485
Ion Ratio Lower Upper
45 100
58 6.4 42.3 63.5#



#20
Methylene Chloride
Concen: 0.320 ppbv
RT: 2.052 min Scan# 607
Delta R.T. 0.000 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 84 Resp: 3433
Ion Ratio Lower Upper
84 100
49 157.8 112.5 168.7
51 41.9 34.2 51.2
86 67.7 48.4 72.6

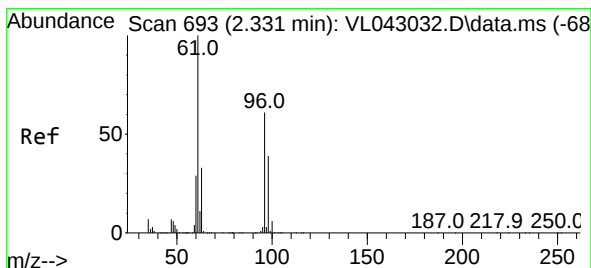
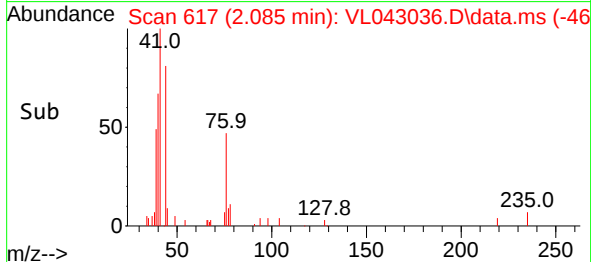
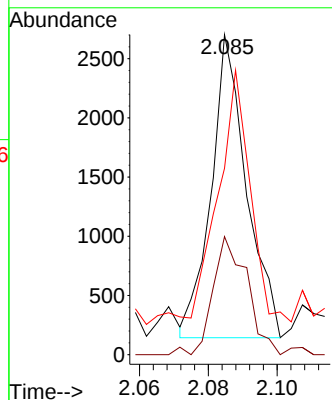
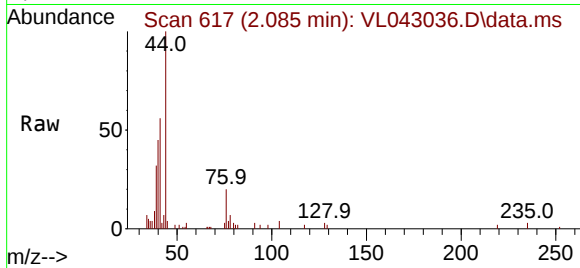




#21
 Allyl Chloride
 Concen: 0.115 ppbv
 RT: 2.085 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

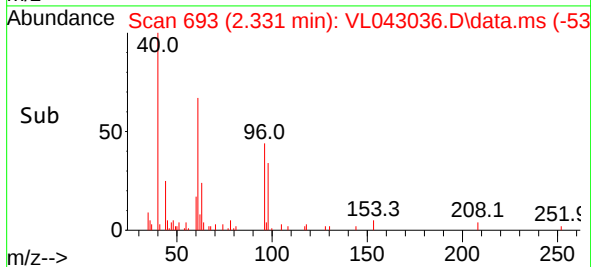
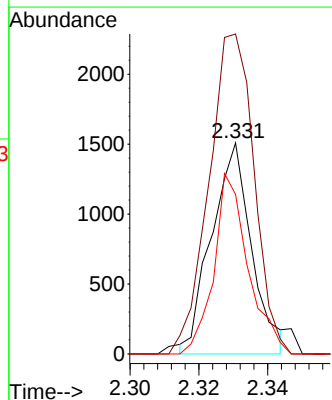
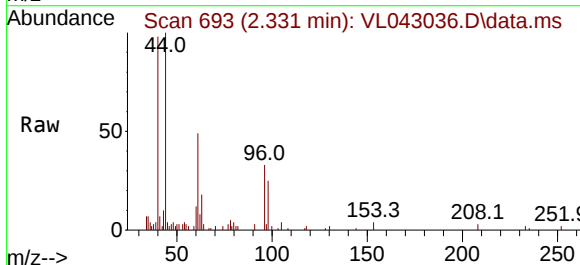
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

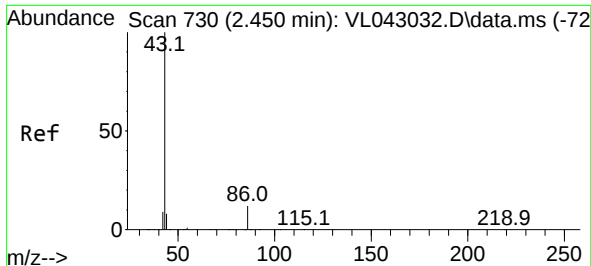
Tgt Ion: 41 Resp: 1818
 Ion Ratio Lower Upper
 41 100
 76 39.2 25.9 38.9#
 39 159.6 63.0 94.4#



#22
 trans-1,2-Dichloroethene
 Concen: 0.102 ppbv
 RT: 2.331 min Scan# 693
 Delta R.T. 0.000 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

Tgt Ion: 96 Resp: 1214
 Ion Ratio Lower Upper
 96 100
 61 149.7 131.9 197.9
 98 79.2 52.1 78.1#

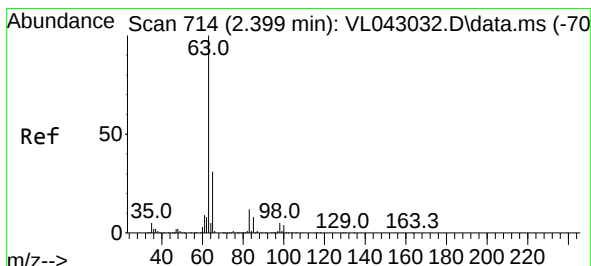
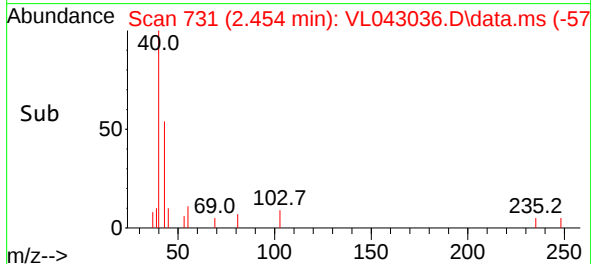
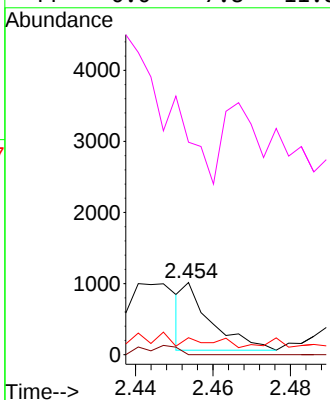
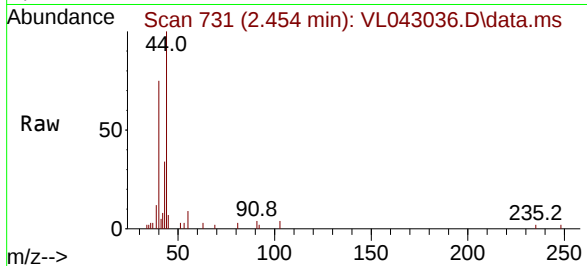




#23
 Vinyl Acetate
 Concen: 0.092 ppbv
 RT: 2.454 min Scan# 713
 Delta R.T. 0.003 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

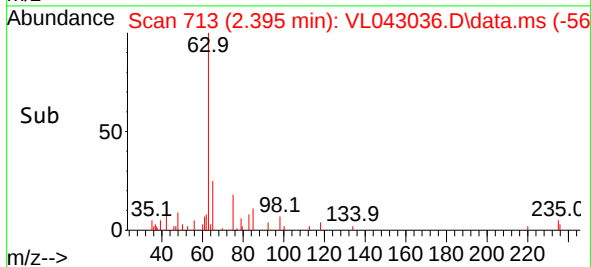
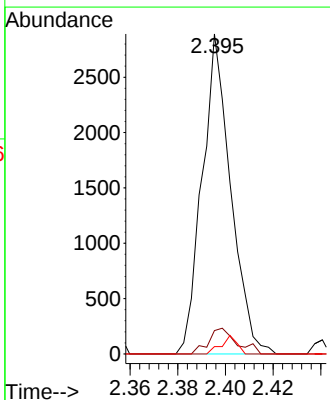
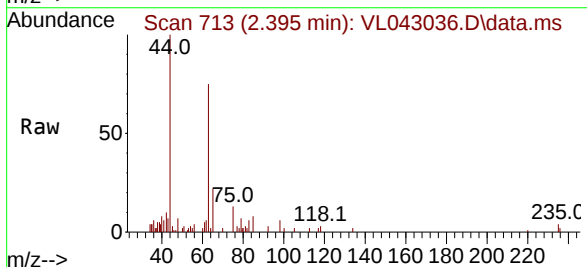
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

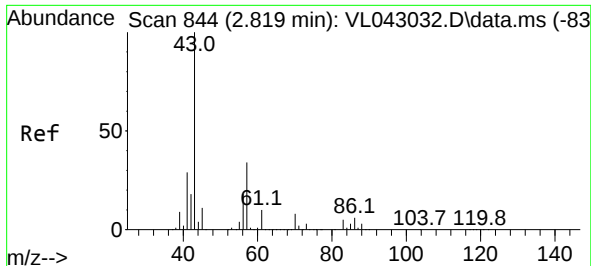
Tgt Ion:	43	Resp:	481
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.5	11.3#
42	12.5	8.4	12.6
44	0.0	7.8	11.8#



#24
 1,1-Dichloroethane
 Concen: 0.107 ppbv
 RT: 2.395 min Scan# 713
 Delta R.T. -0.003 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

Tgt Ion:	63	Resp:	2411
Ion	Ratio	Lower	Upper
63	100		
98	7.3	2.5	7.4
100	2.3	1.8	5.4

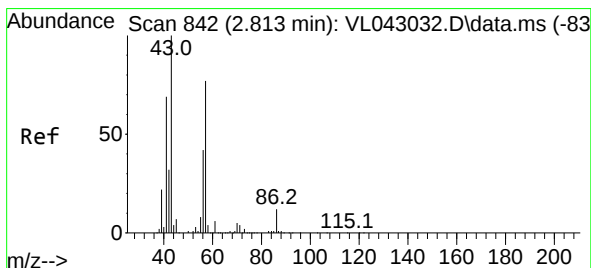
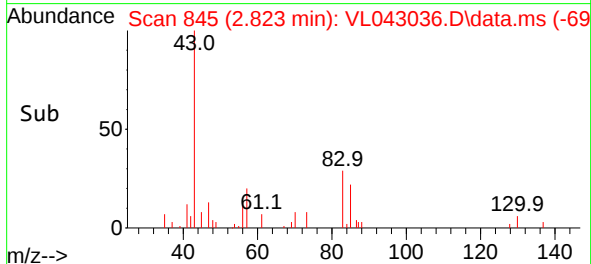
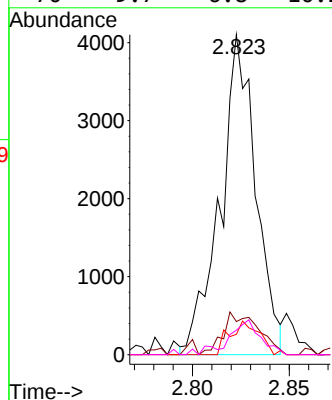
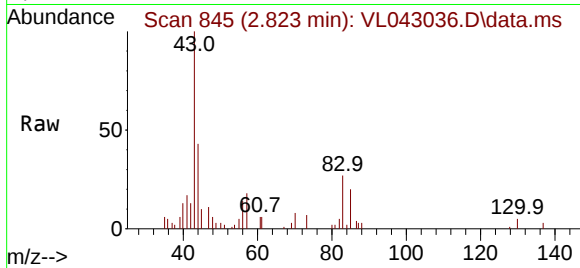




#25
Ethyl Acetate
Concen: 0.085 ppbv
RT: 2.823 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

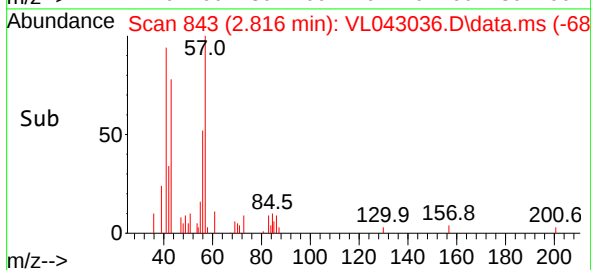
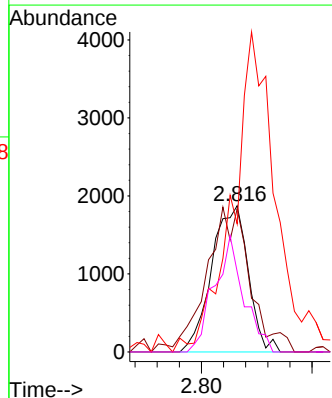
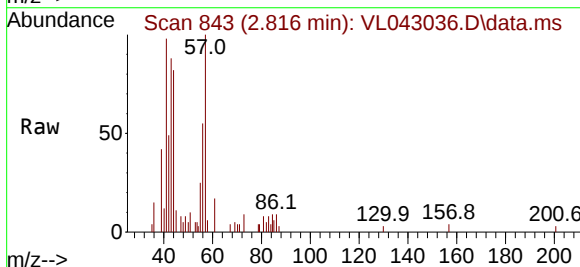
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

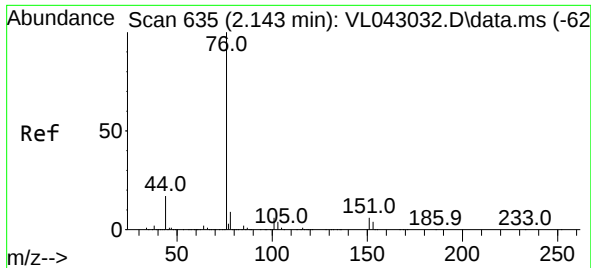
Tgt Ion:	43	Resp:	5232
Ion	Ratio	Lower	Upper
43	100		
45	15.0	8.3	12.5#
61	8.8	7.5	11.3
70	9.7	6.8	10.2



#26
Hexane
Concen: 0.090 ppbv
RT: 2.816 min Scan# 843
Delta R.T. 0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion:	57	Resp:	2146
Ion	Ratio	Lower	Upper
57	100		
41	123.6	76.1	114.1#
43	261.2	201.4	302.0
56	64.3	44.0	66.0





#27

Carbon Disulfide

Concen: 0.102 ppbv

RT: 2.140 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

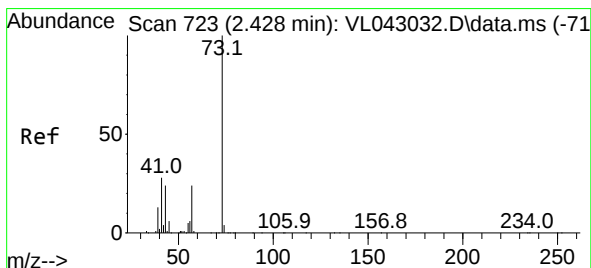
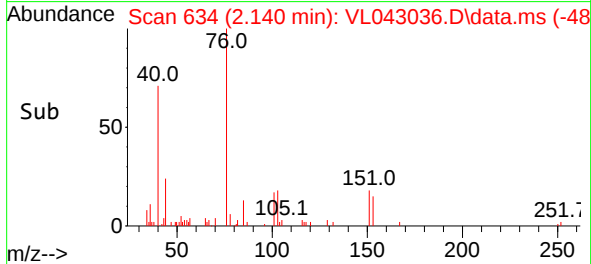
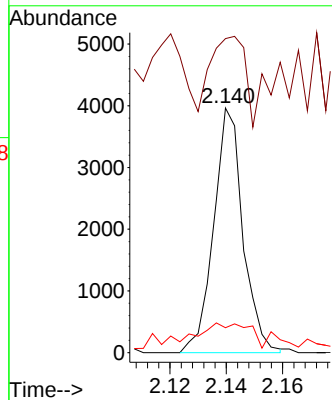
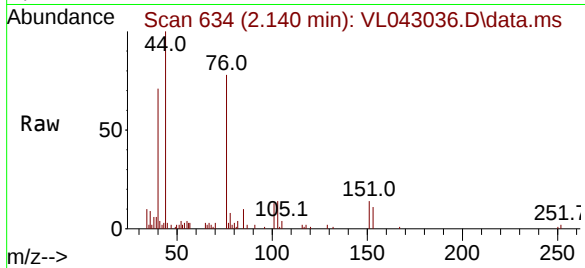
Tgt Ion: 76 Resp: 2854

Ion Ratio Lower Upper

76 100

44 131.5 14.0 21.0#

78 35.1 9.4 14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.110 ppbv

RT: 2.431 min Scan# 724

Delta R.T. 0.003 min

Lab File: VL043036.D

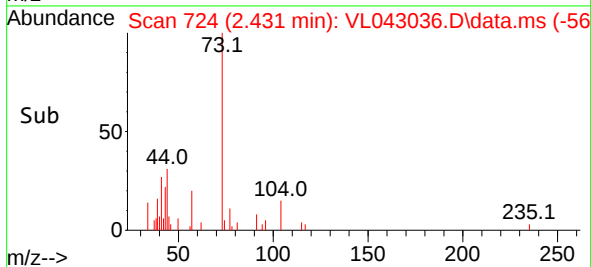
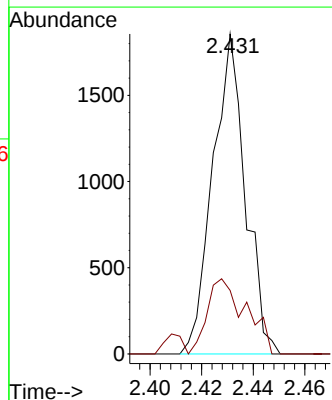
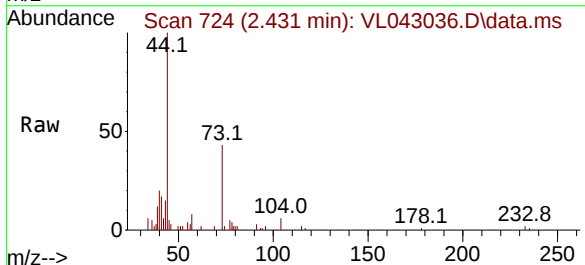
Acq: 02 Oct 2025 12:35

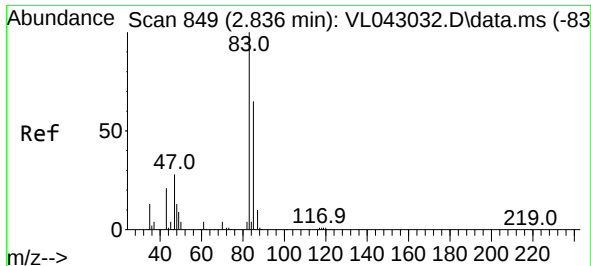
Tgt Ion: 73 Resp: 1630

Ion Ratio Lower Upper

73 100

57 31.3 17.8 26.8#





#29

Chloroform

Concen: 0.105 ppbv

RT: 2.836 min Scan# 84

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_L

ClientSampleId :

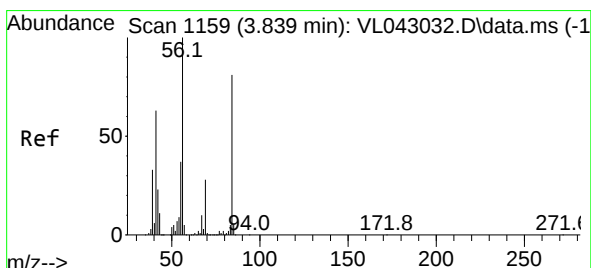
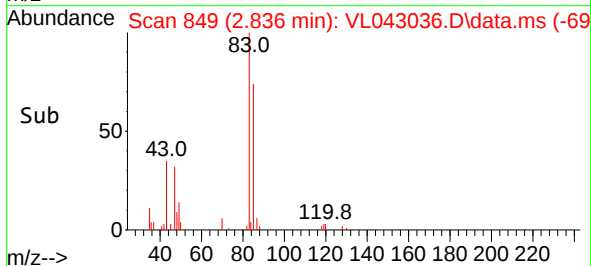
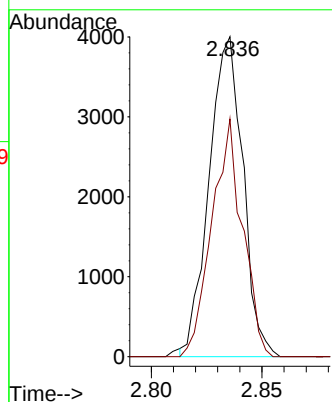
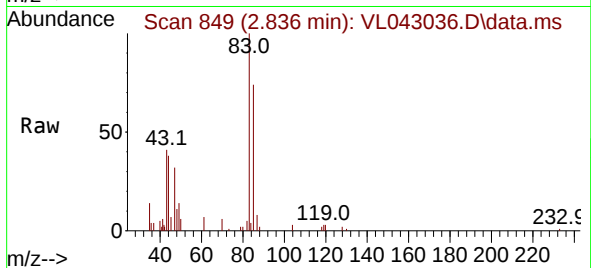
VSTDIC0.1

Tgt Ion: 83 Resp: 4263

Ion Ratio Lower Upper

83 100

85 74.3 52.0 78.0



#30

Cyclohexane

Concen: 0.066 ppbv

RT: 3.836 min Scan# 1158

Delta R.T. -0.003 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

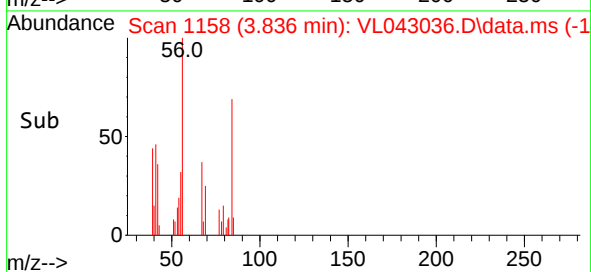
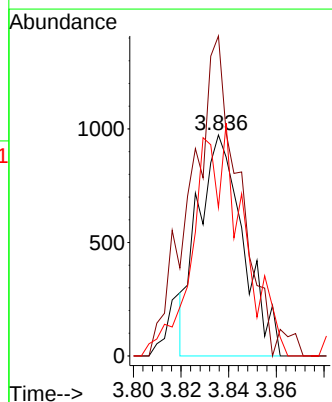
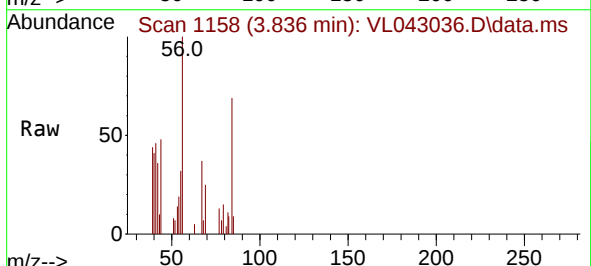
Tgt Ion: 84 Resp: 1281

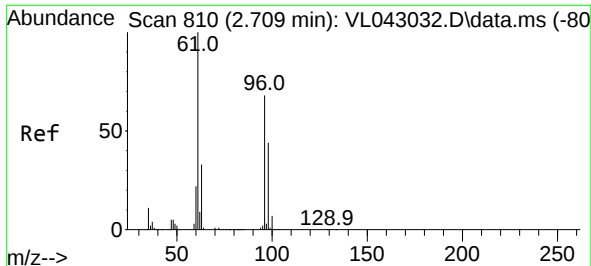
Ion Ratio Lower Upper

84 100

56 156.9 99.9 149.9#

41 114.1 64.2 96.4#

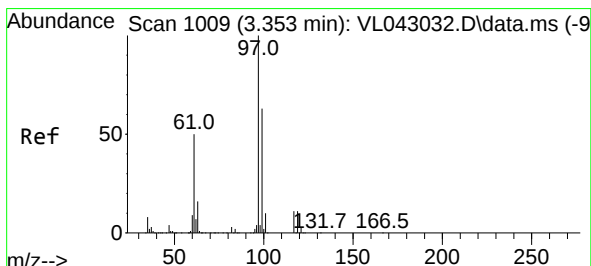
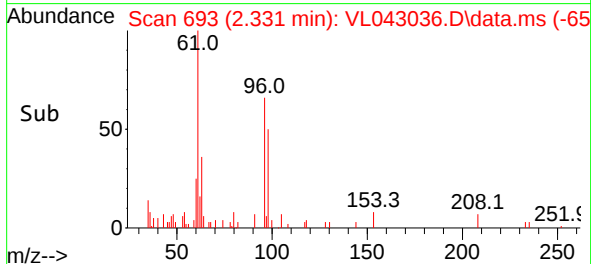
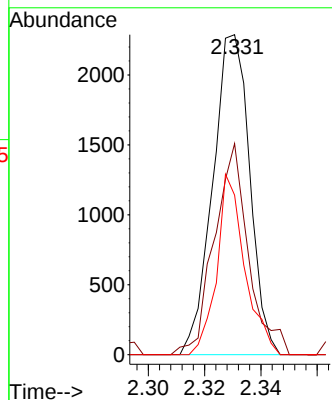
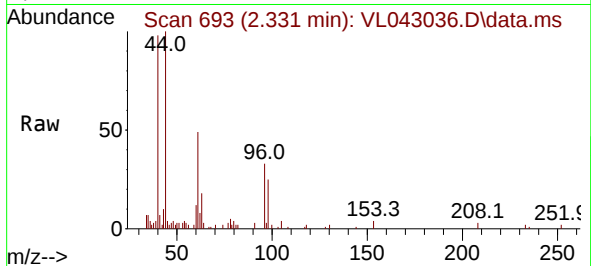




#31
 cis-1,2-Dichloroethene
 Concen: 0.085 ppbv
 RT: 2.331 min Scan# 61
 Delta R.T. -0.379 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

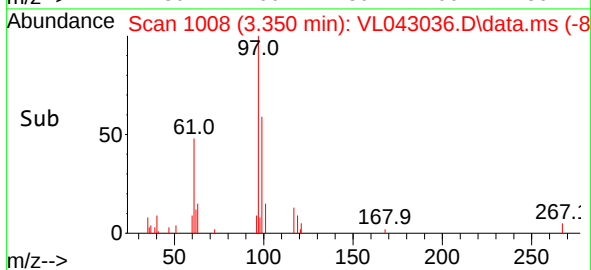
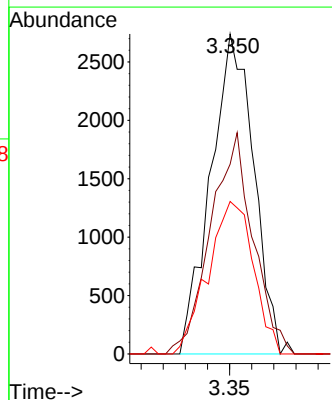
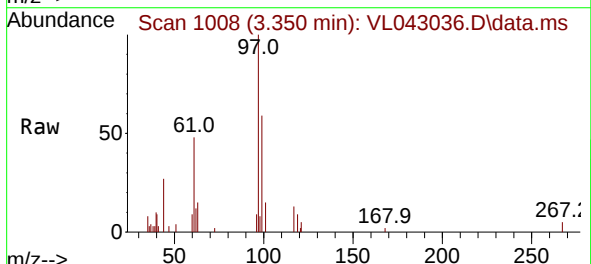
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

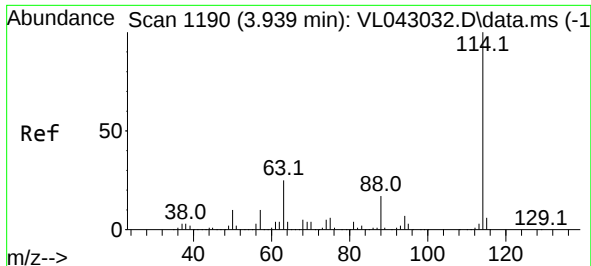
Tgt Ion: 61 Resp: 2085
 Ion Ratio Lower Upper
 61 100
 96 63.6 54.6 82.0
 98 49.9 34.8 52.2



#32
 1,1,1-Trichloroethane
 Concen: 0.094 ppbv
 RT: 3.350 min Scan# 1008
 Delta R.T. -0.003 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

Tgt Ion: 97 Resp: 3686
 Ion Ratio Lower Upper
 97 100
 99 68.6 51.2 76.8
 61 50.9 40.1 60.1

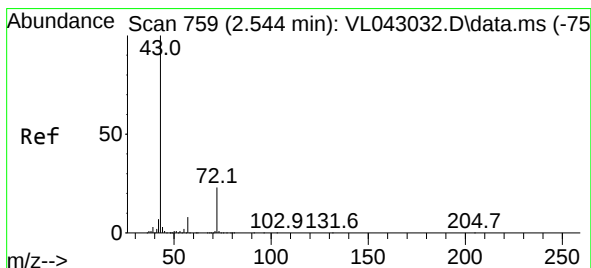
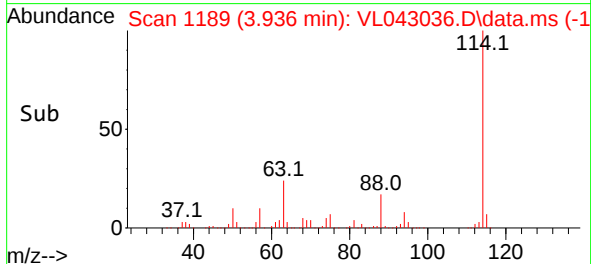
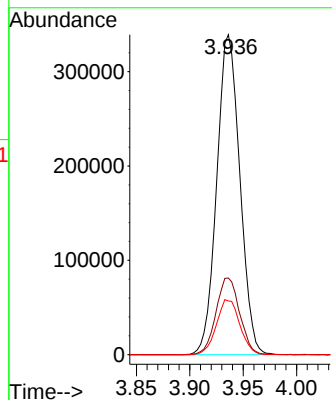
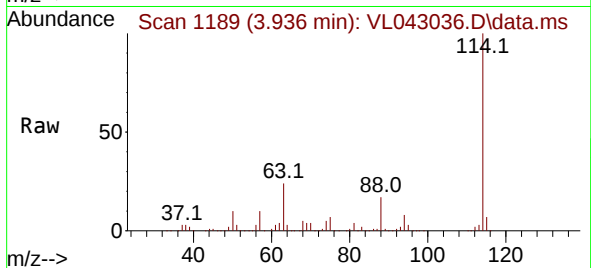




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.936 min Scan# 1190
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

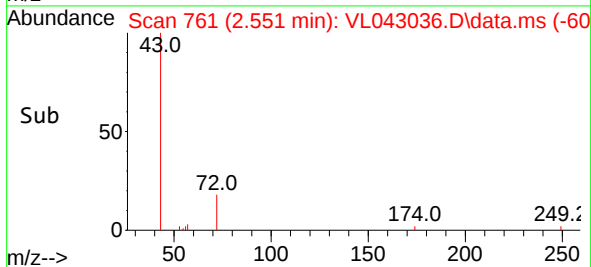
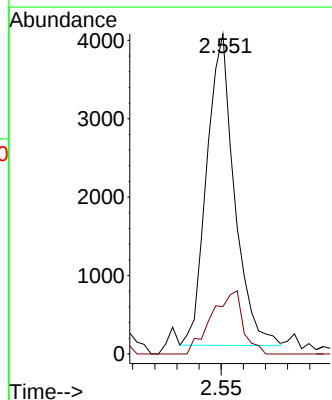
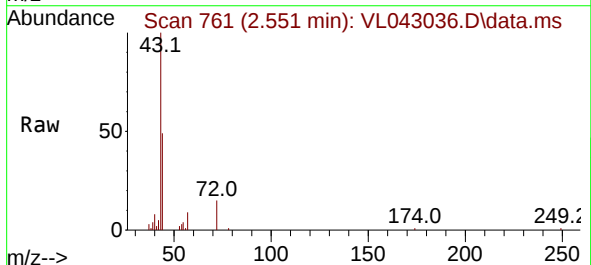
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

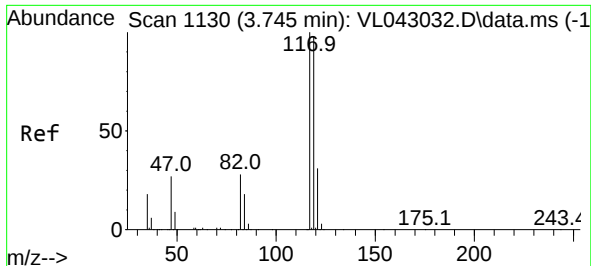
Tgt Ion:114 Resp: 510906
Ion Ratio Lower Upper
114 100
63 24.5 19.4 29.2
88 17.5 13.9 20.9



#34
2-Butanone
Concen: 0.099 ppbv
RT: 2.551 min Scan# 761
Delta R.T. 0.007 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 43 Resp: 3448
Ion Ratio Lower Upper
43 100
72 23.0 18.4 27.6

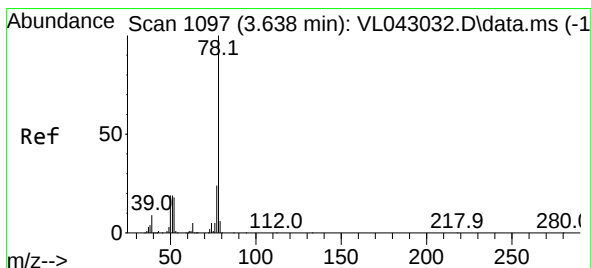
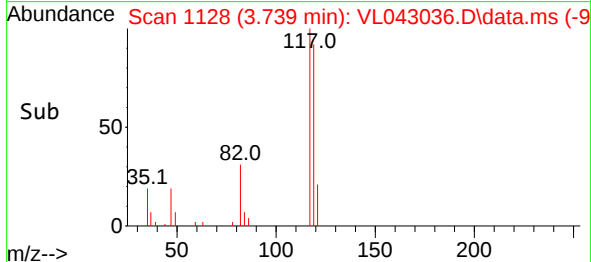
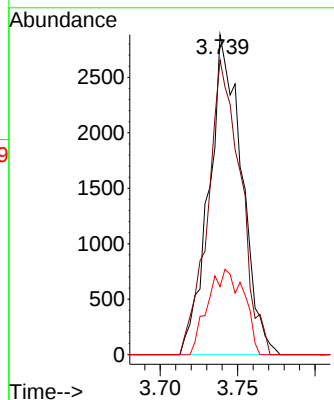
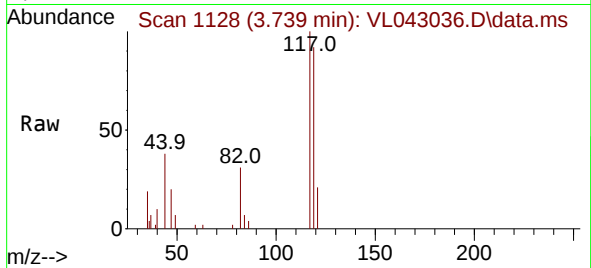




#35
Carbon Tetrachloride
Concen: 0.101 ppbv
RT: 3.739 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

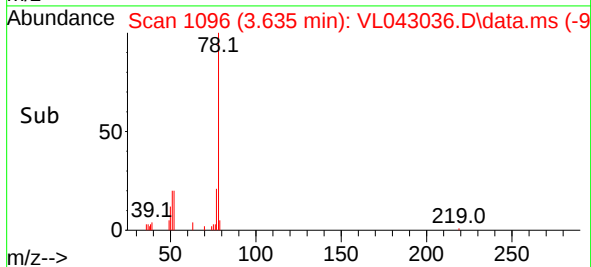
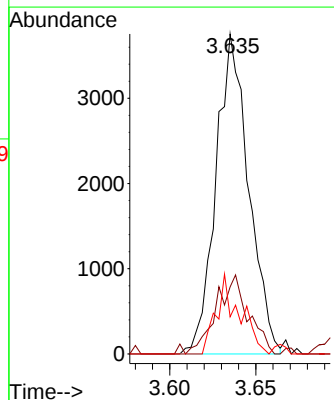
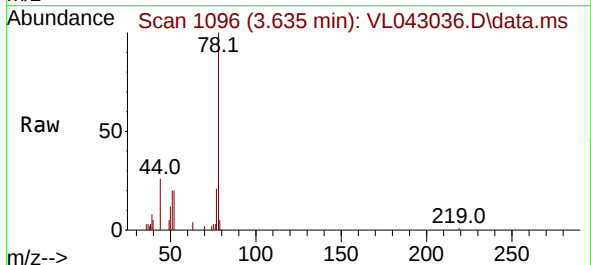
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

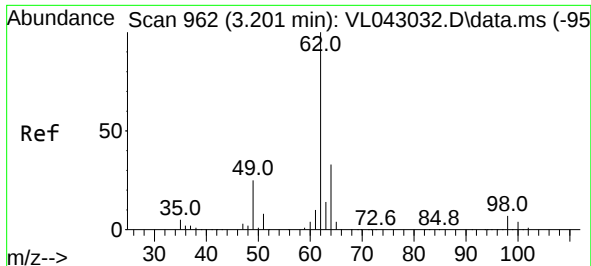
Tgt Ion:117 Resp: 4230
Ion Ratio Lower Upper
117 100
119 92.1 78.2 117.4
121 21.2 24.8 37.2#



#36
Benzene
Concen: 0.102 ppbv
RT: 3.635 min Scan# 1096
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 78 Resp: 4981
Ion Ratio Lower Upper
78 100
77 21.0 19.2 28.8
50 11.6 14.9 22.3#





#37

1,2-Dichloroethane

Concen: 0.101 ppbv

RT: 3.201 min Scan# 9

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

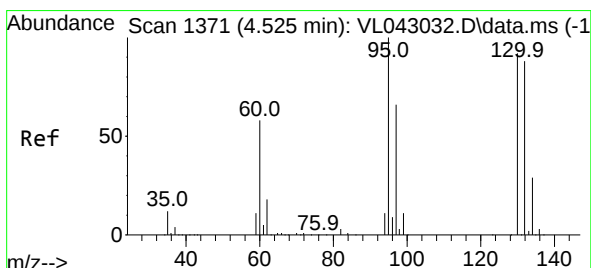
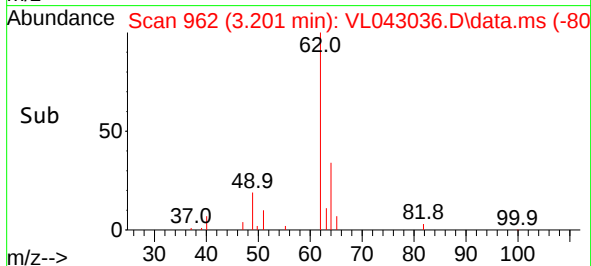
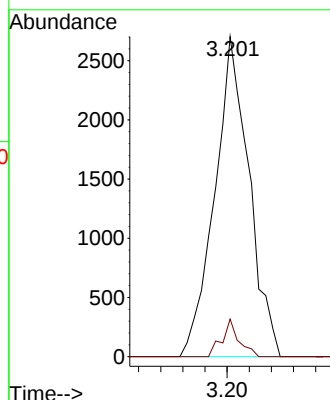
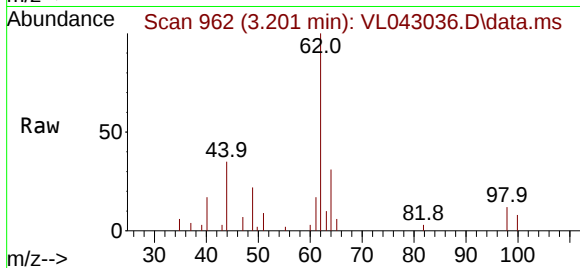
VSTDIC0.1

Tgt Ion: 62 Resp: 2909

Ion Ratio Lower Upper

62 100

98 5.7 5.6 8.4



#38

Trichloroethene

Concen: 0.072 ppbv

RT: 4.522 min Scan# 1370

Delta R.T. -0.003 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Tgt Ion:130 Resp: 1457

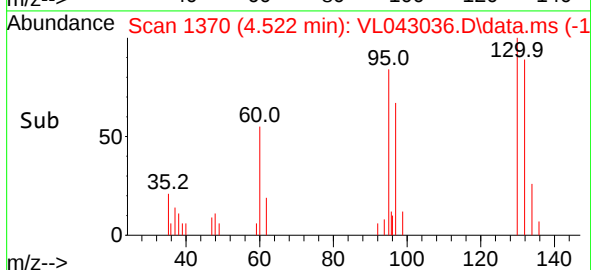
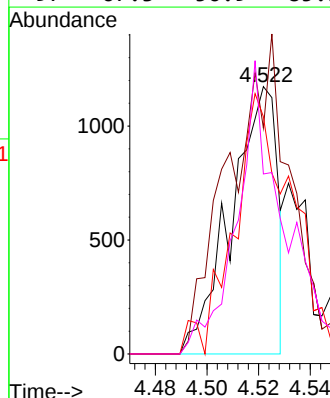
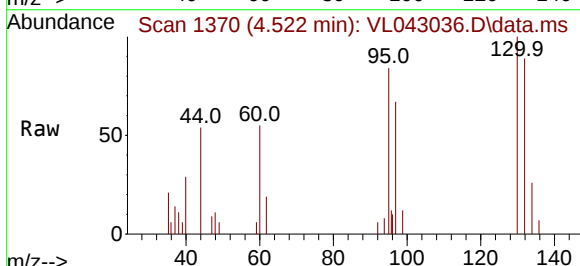
Ion Ratio Lower Upper

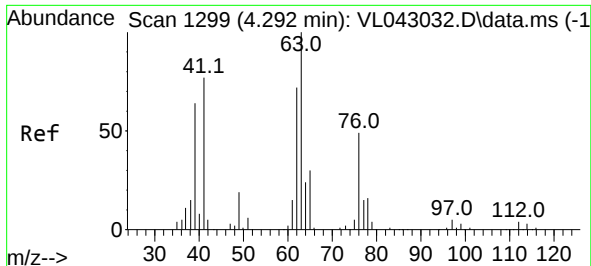
130 100

95 96.7 86.4 129.6

132 88.7 75.7 113.5

97 67.3 56.9 85.3





#39

1,2-Dichloropropane

Concen: 0.079 ppbv

RT: 4.286 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

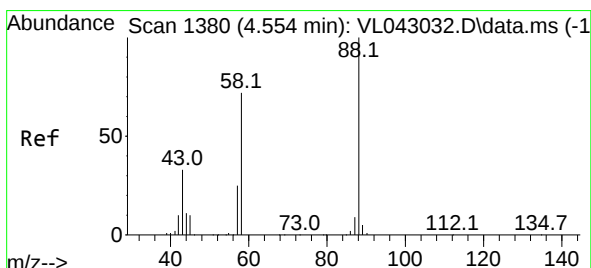
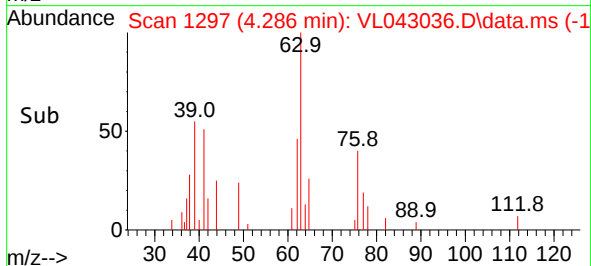
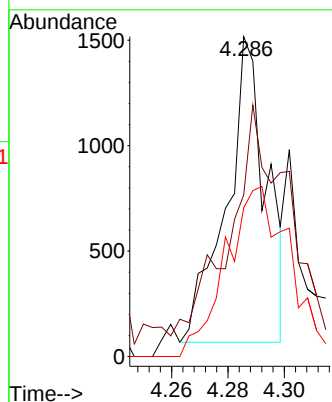
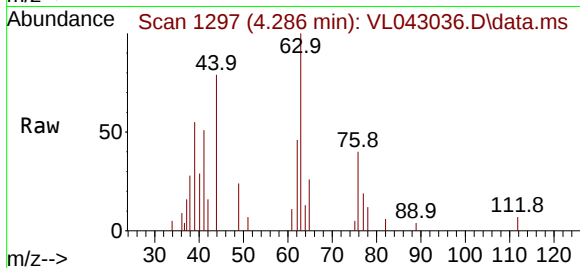
Tgt Ion: 63 Resp: 1425

Ion Ratio Lower Upper

63 100

41 40.7 61.6 92.4#

62 48.7 58.1 87.1#



#40

1,4-Dioxane

Concen: 0.019 ppbv

RT: 4.583 min Scan# 1389

Delta R.T. 0.029 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Tgt Ion: 88 Resp: 148

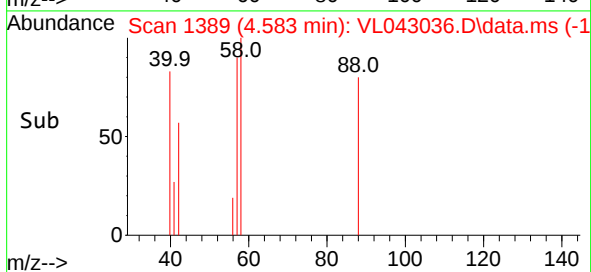
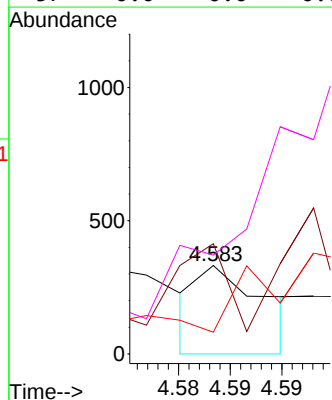
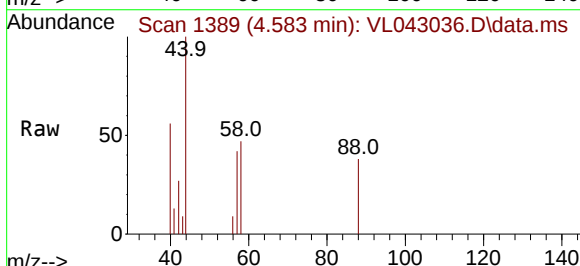
Ion Ratio Lower Upper

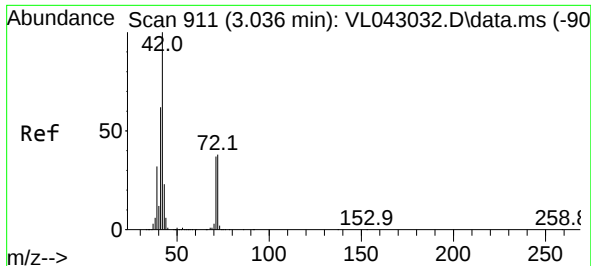
88 100

58 0.0 56.2 84.2#

43 0.0 25.7 38.5#

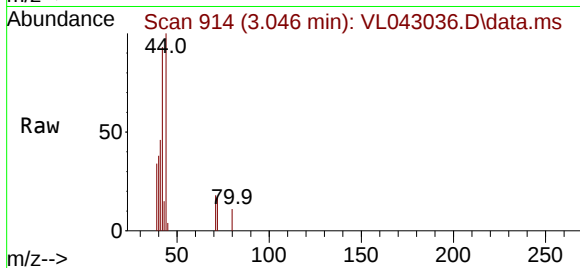
57 0.0 0.0 0.0



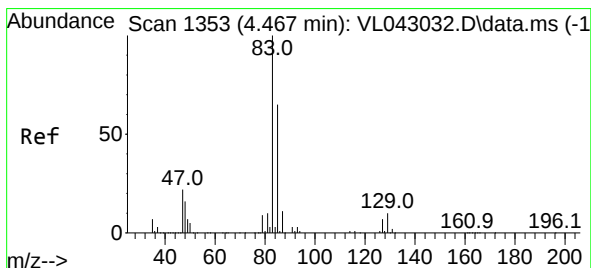
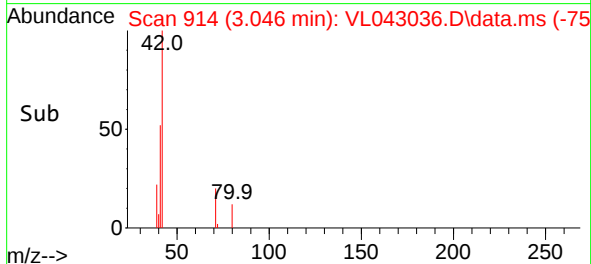
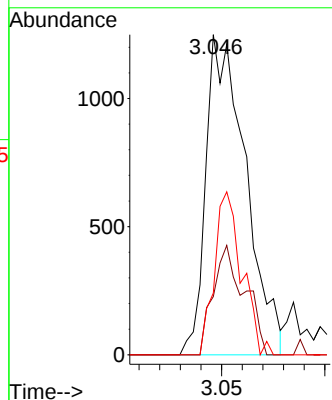


#41
Tetrahydrofuran
Concen: 0.093 ppbv
RT: 3.046 min Scan# 911
Delta R.T. 0.010 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

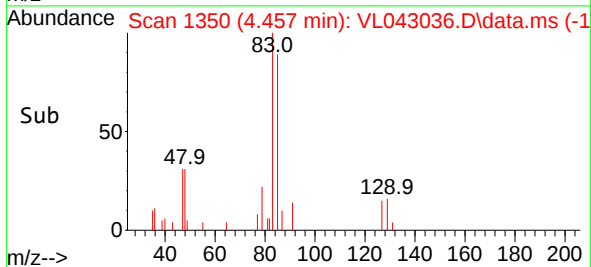
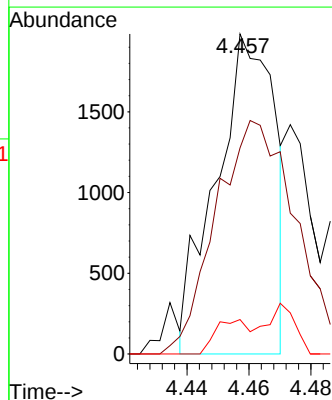
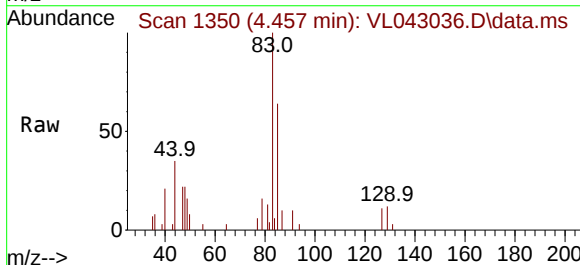


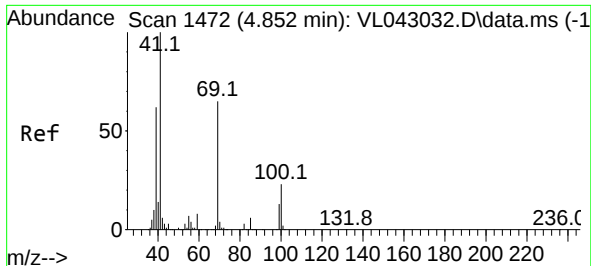
Tgt Ion: 42 Resp: 1667
Ion Ratio Lower Upper
42 100
72 27.7 31.0 46.6#
71 35.0 29.8 44.6



#42
Bromodichloromethane
Concen: 0.064 ppbv
RT: 4.457 min Scan# 1350
Delta R.T. -0.010 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 83 Resp: 2612
Ion Ratio Lower Upper
83 100
85 63.5 51.8 77.8
127 11.6 5.9 8.9#

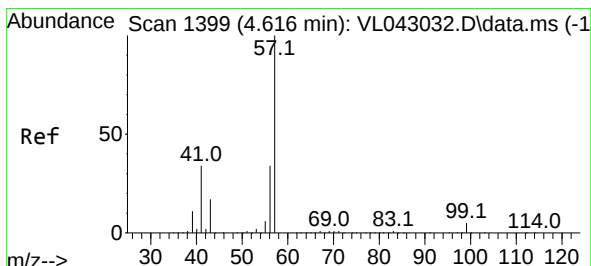
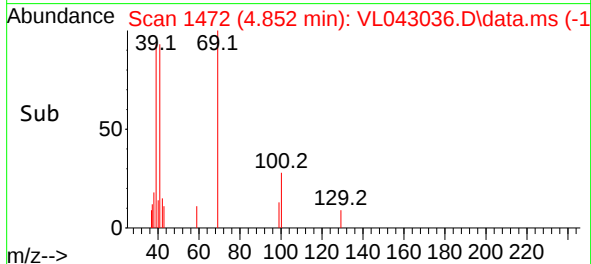
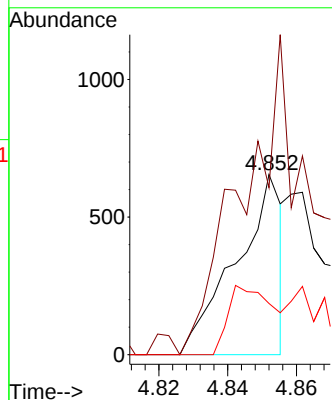
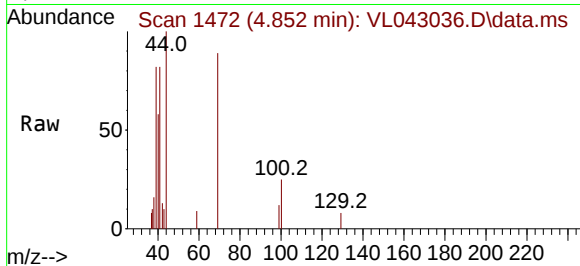




#43
Methyl Methacrylate
Concen: 0.037 ppbv
RT: 4.852 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

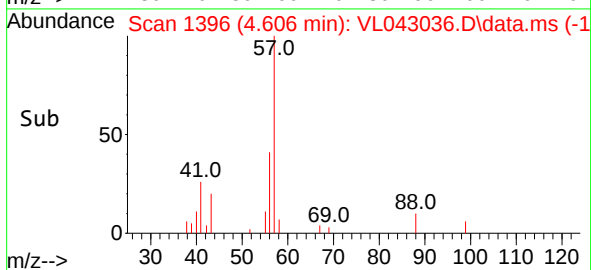
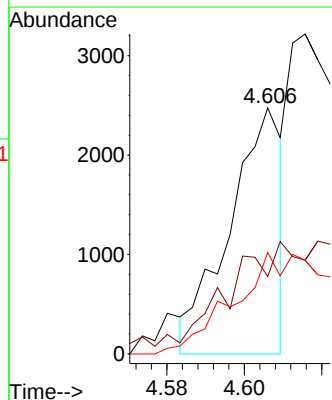
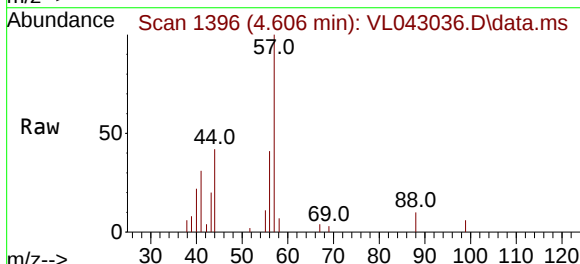
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

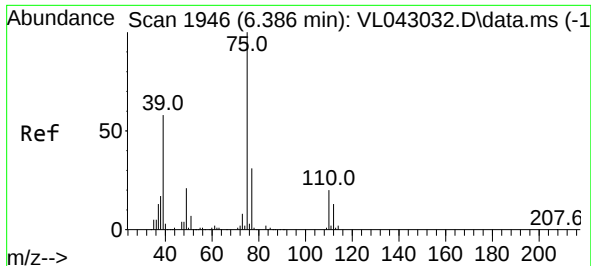
Tgt Ion: 69 Resp: 604
Ion Ratio Lower Upper
69 100
41 307.3 118.0 177.0#
100 61.6 28.3 42.5#



#44
2,2,4-Trimethylpentane
Concen: 0.030 ppbv
RT: 4.606 min Scan# 1396
Delta R.T. -0.010 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 57 Resp: 2328
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.4#
56 91.3 26.0 39.0#





#45

t-1,3-Dichloropropene

Concen: 0.030 ppbv

RT: 6.373 min Scan# 1942

Delta R.T. -0.013 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

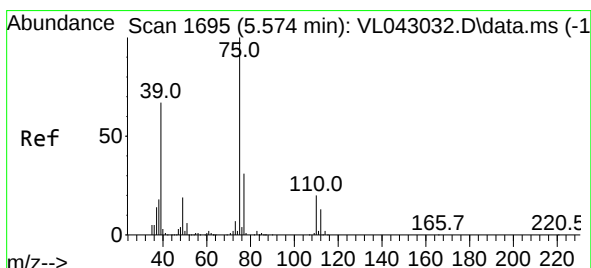
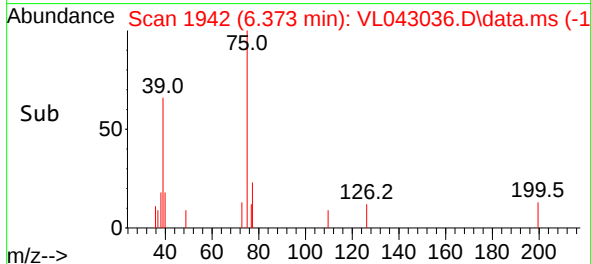
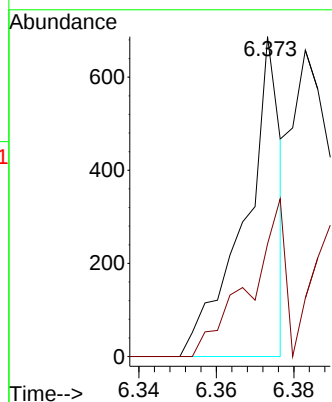
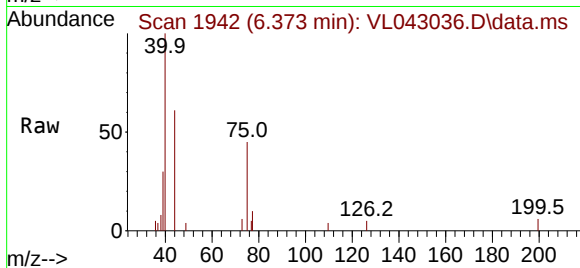
VSTDIC0.1

Tgt Ion: 75 Resp: 441

Ion Ratio Lower Upper

75 100

77 35.2 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.030 ppbv

RT: 5.567 min Scan# 1693

Delta R.T. -0.006 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

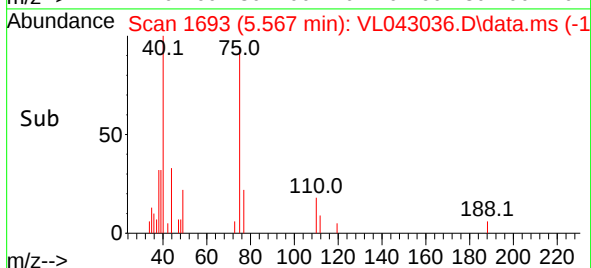
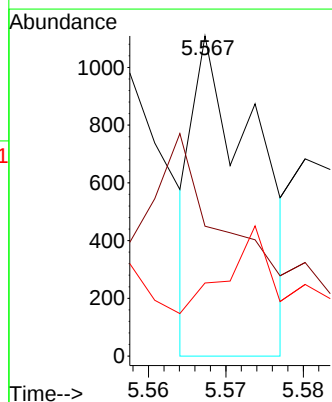
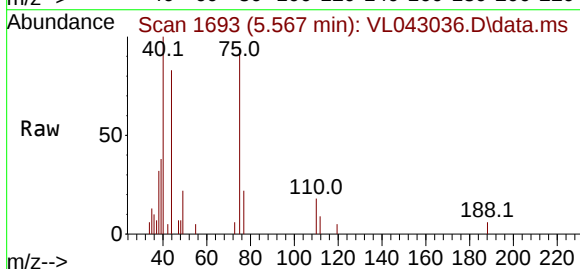
Tgt Ion: 75 Resp: 620

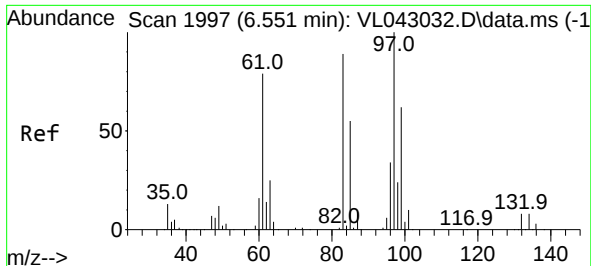
Ion Ratio Lower Upper

75 100

39 30.7 53.4 80.0#

77 18.9 25.0 37.4#





#47

1,1,2-Trichloroethane

Concen: 0.049 ppbv

RT: 6.542 min Scan# 1997

Delta R.T. -0.010 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 991

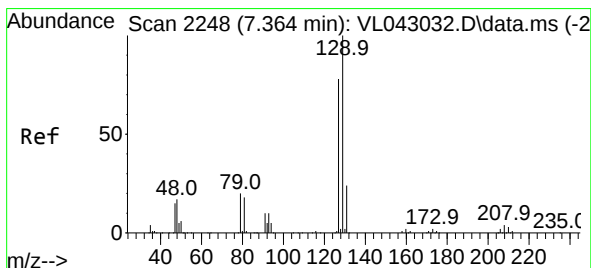
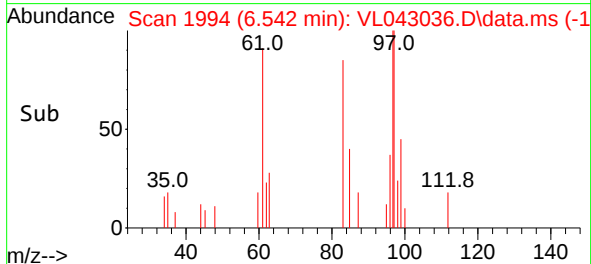
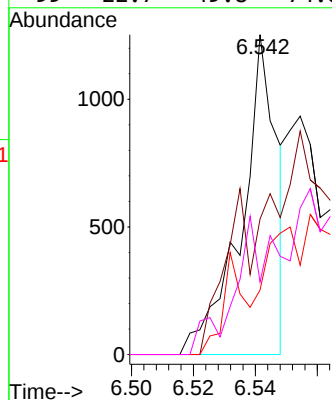
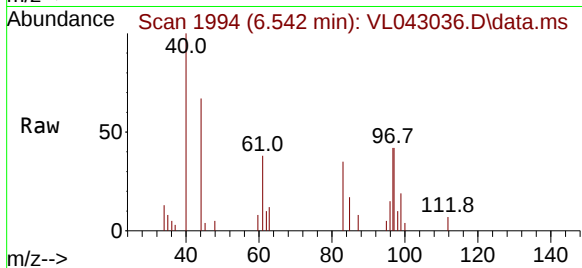
Ion Ratio Lower Upper

97 100

83 42.4 71.1 106.7#

85 20.2 44.3 66.5#

99 22.7 49.8 74.8#



#48

Dibromochloromethane

Concen: 0.049 ppbv

RT: 7.354 min Scan# 2245

Delta R.T. -0.010 min

Lab File: VL043036.D

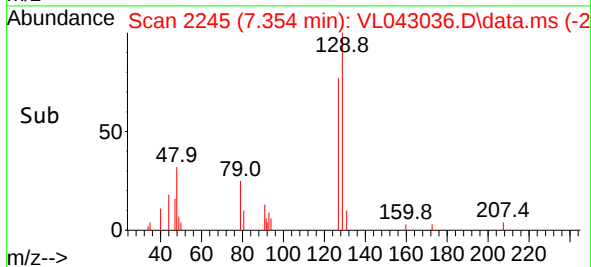
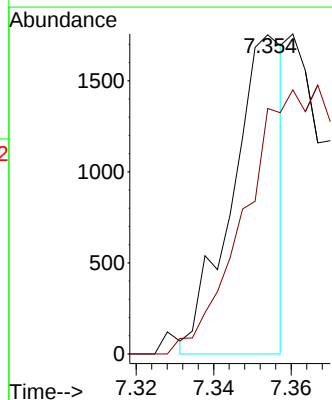
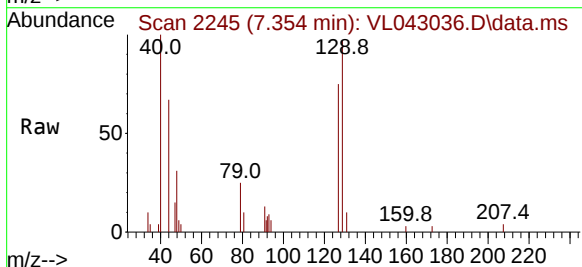
Acq: 02 Oct 2025 12:35

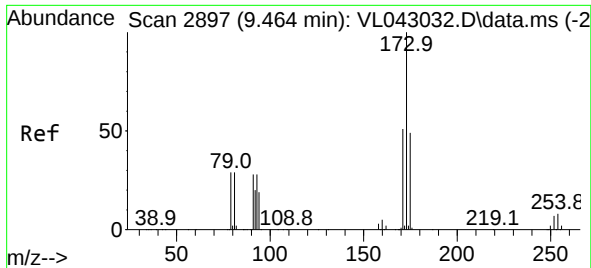
Tgt Ion: 129 Resp: 1594

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#

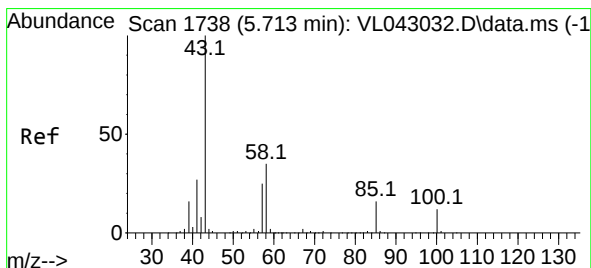
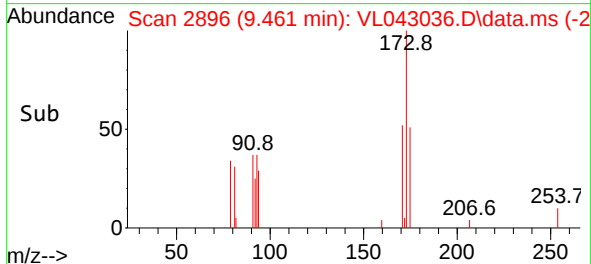
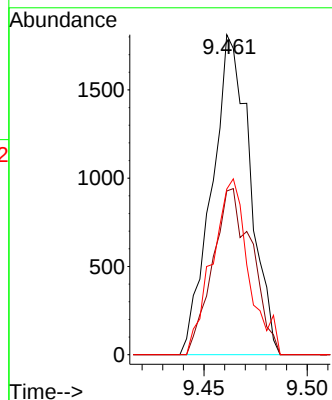
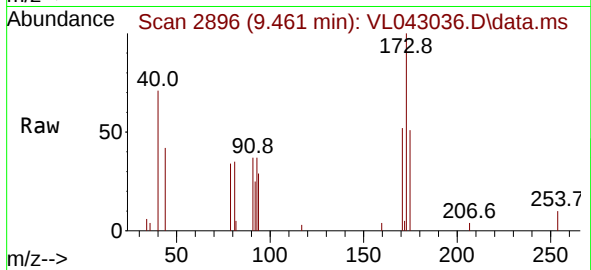




#49
Bromoform
Concen: 0.085 ppbv
RT: 9.461 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

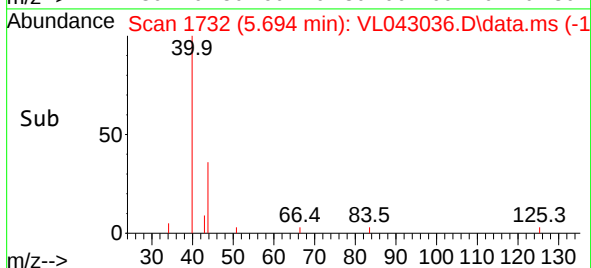
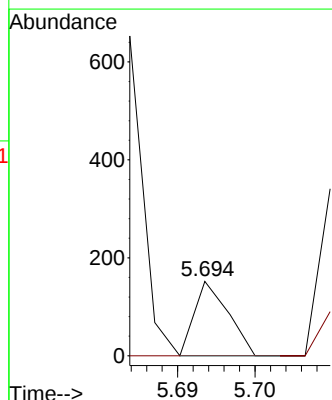
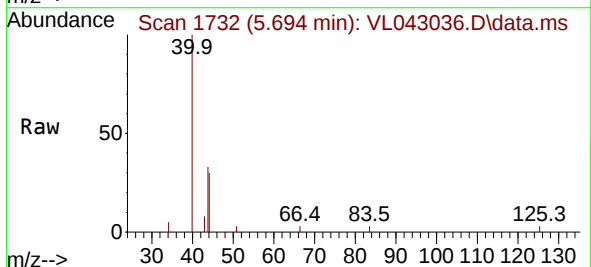
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

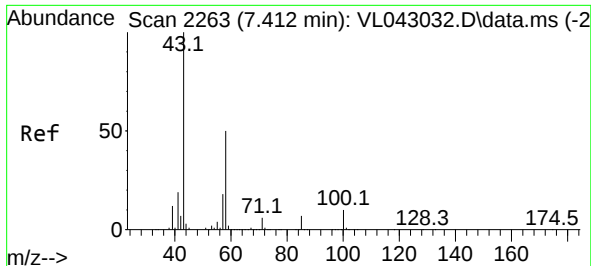
Tgt Ion:173 Resp: 2335
Ion Ratio Lower Upper
173 100
175 53.5 39.1 58.7
171 52.2 41.4 62.2



#50
4-Methyl-2-Pentanone
Concen: 0.001 ppbv
RT: 5.694 min Scan# 1732
Delta R.T. -0.019 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 43 Resp: 46
Ion Ratio Lower Upper
43 100
58 0.0 28.7 43.1#

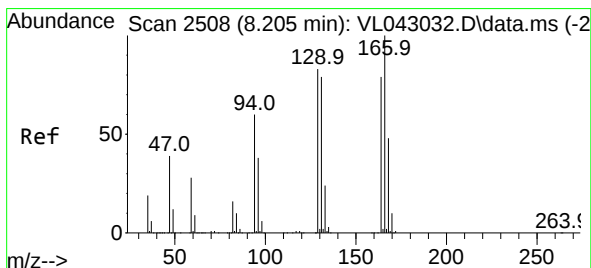
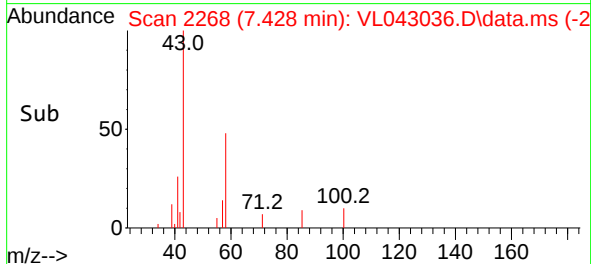
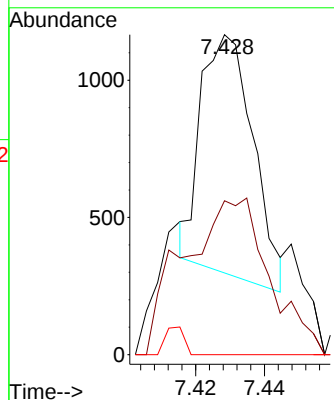
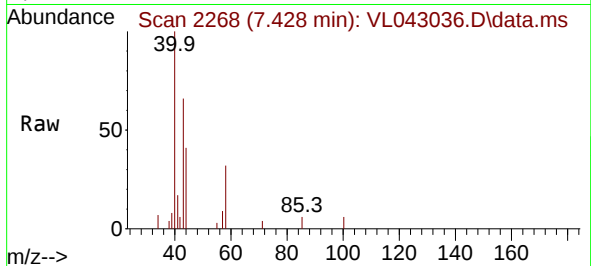




#51
2-Hexanone
Concen: 0.030 ppbv
RT: 7.428 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

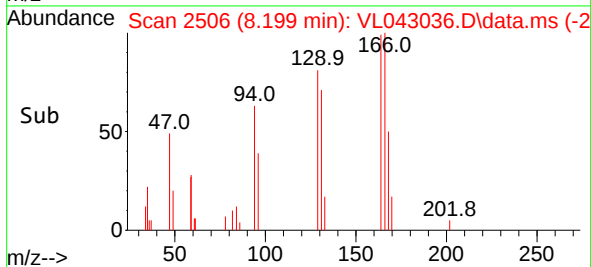
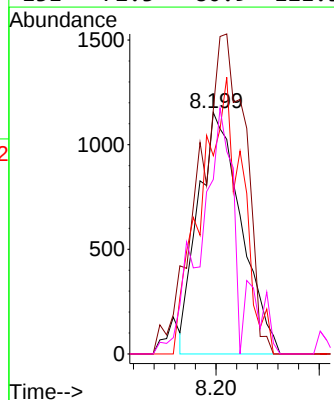
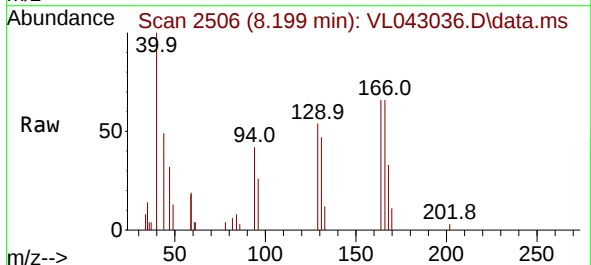
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

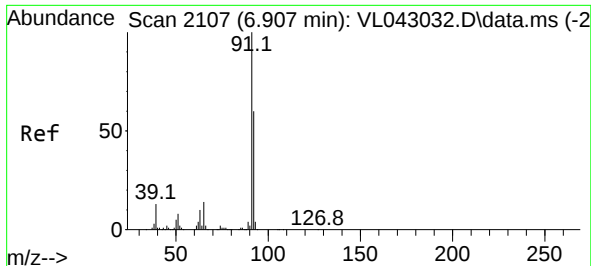
Tgt Ion: 43 Resp: 905
Ion Ratio Lower Upper
43 100
58 108.1 39.1 58.7#
98 4.2 0.5 0.7#



#52
Tetrachloroethene
Concen: 0.092 ppbv
RT: 8.199 min Scan# 2506
Delta R.T. -0.006 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 164 Resp: 1674
Ion Ratio Lower Upper
164 100
166 101.1 101.8 152.8#
129 82.1 84.5 126.7#
131 72.3 80.9 121.3#

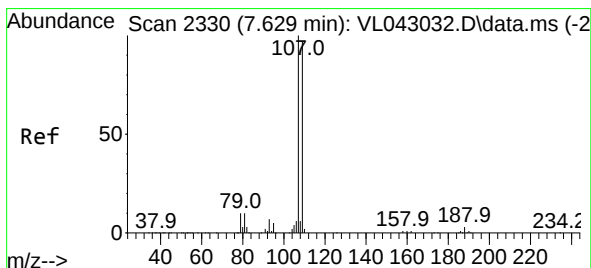
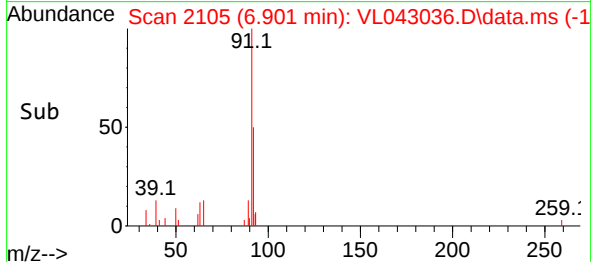
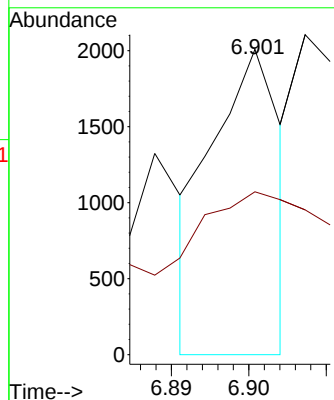
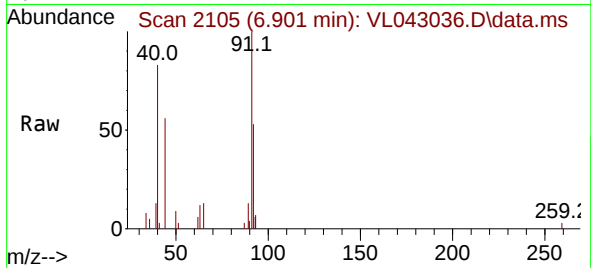




#53
Toluene
Concen: 0.025 ppbv
RT: 6.901 min Scan# 2105
Delta R.T. -0.006 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

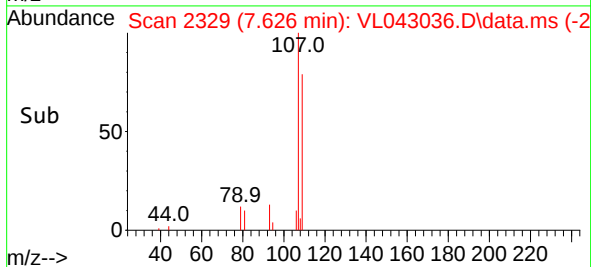
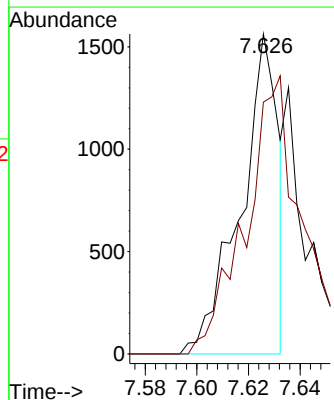
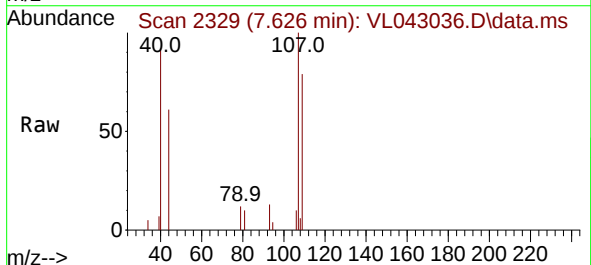
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

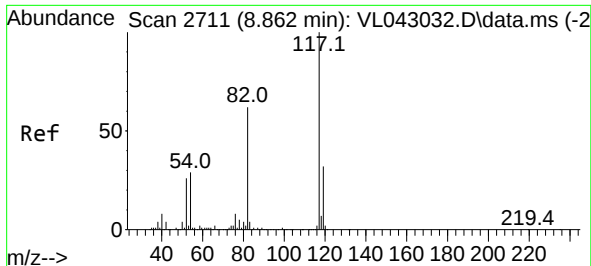
Tgt Ion: 91 Resp: 1245
Ion Ratio Lower Upper
91 100
92 184.1 47.8 71.6#



#54
1,2-Dibromoethane
Concen: 0.066 ppbv
RT: 7.626 min Scan# 2329
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 107 Resp: 1573
Ion Ratio Lower Upper
107 100
109 78.7 77.4 116.0

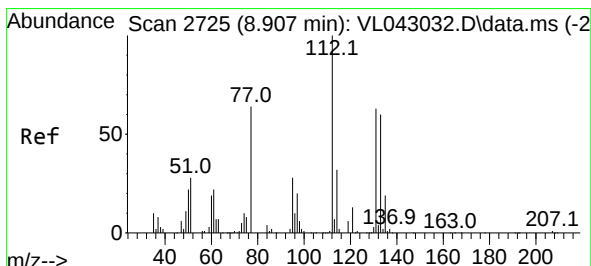
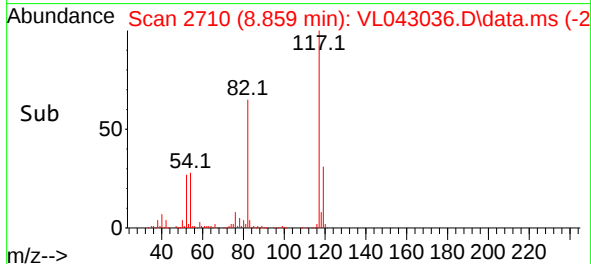
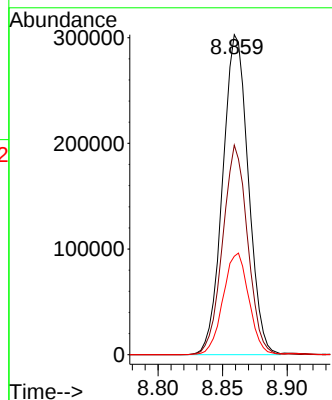
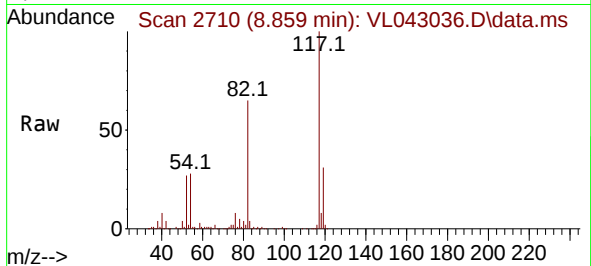




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.859 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

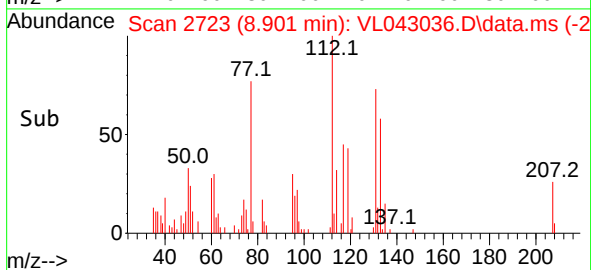
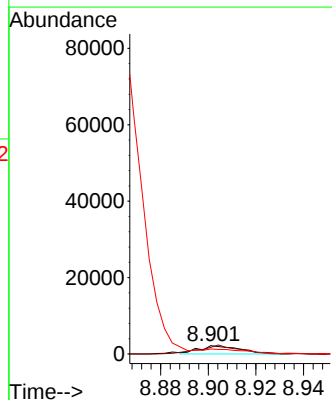
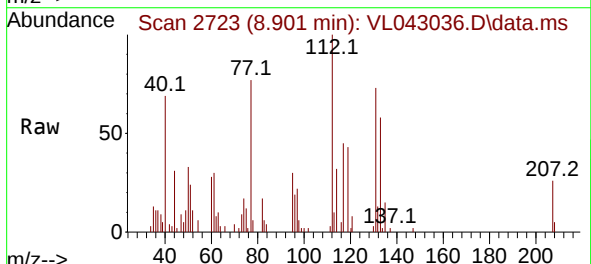
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

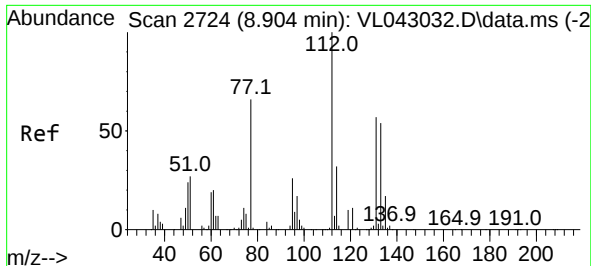
Tgt Ion:117 Resp: 418551
Ion Ratio Lower Upper
117 100
82 63.8 53.0 79.6
119 32.3 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.099 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. -0.006 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion:131 Resp: 2535
Ion Ratio Lower Upper
131 100
133 112.6 76.2 114.4
119 0.0 49.4 74.2#

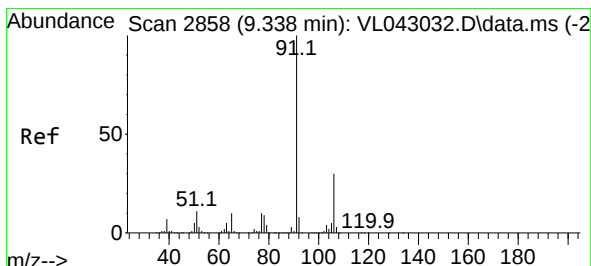
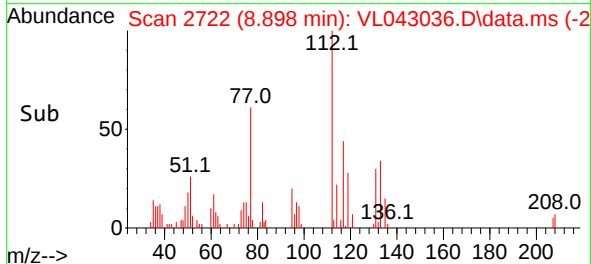
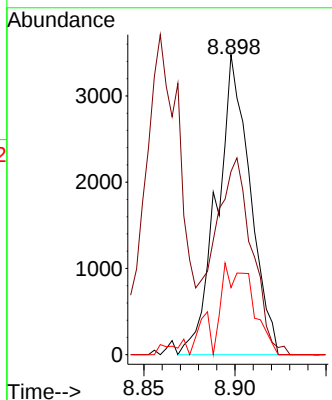
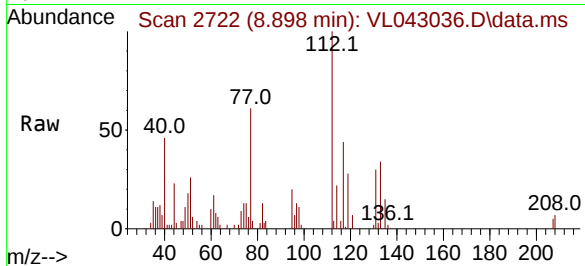




#57
Chlorobenzene
Concen: 0.099 ppbv
RT: 8.898 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

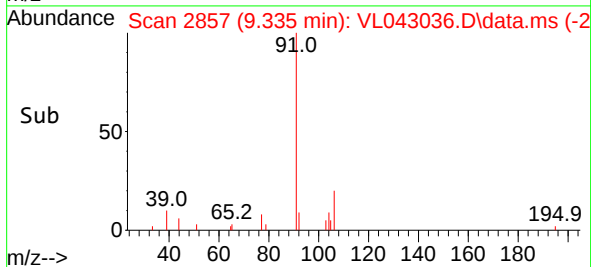
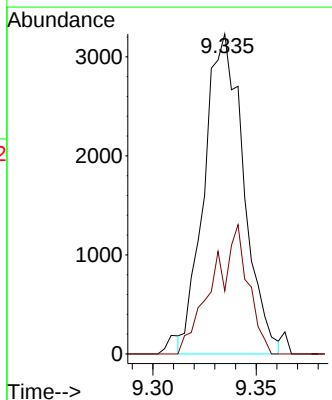
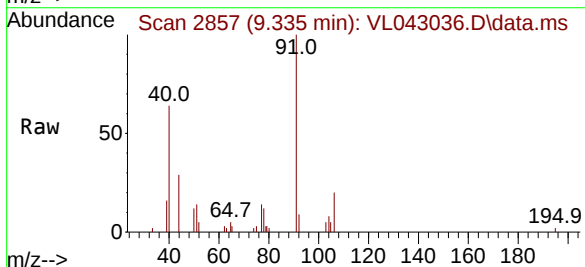
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

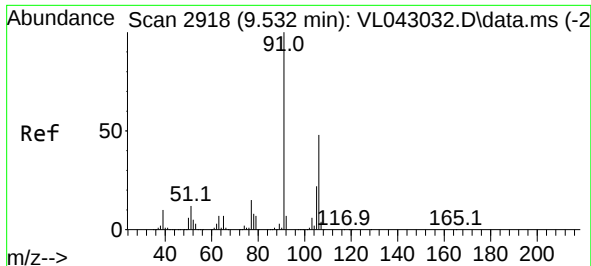
Tgt Ion:112 Resp: 4400
Ion Ratio Lower Upper
112 100
77 59.8 53.2 79.8
114 21.5 28.6 35.0#



#58
Ethyl Benzene
Concen: 0.066 ppbv
RT: 9.335 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 91 Resp: 4285
Ion Ratio Lower Upper
91 100
106 20.5 24.1 36.1#





#59

m/p-Xylene

Concen: 0.055 ppbv

RT: 9.529 min Scan# 2917

Delta R.T. -0.003 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

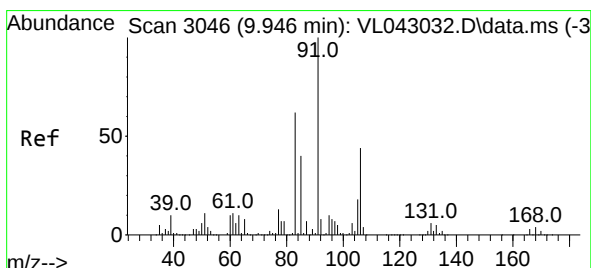
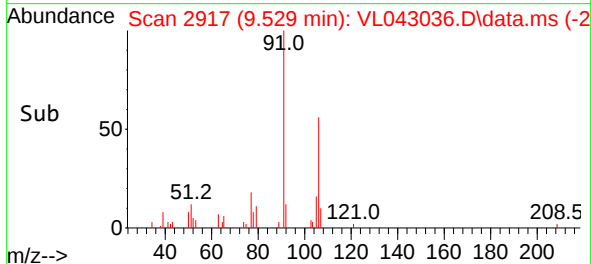
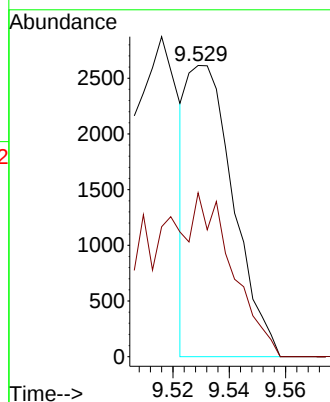
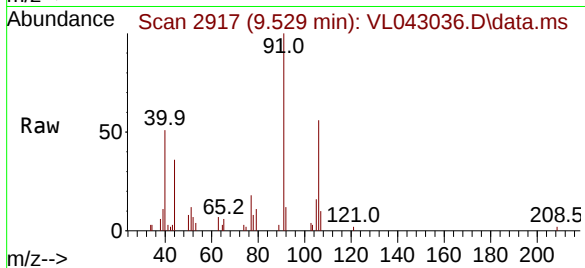
VSTDIC0.1

Tgt Ion: 91 Resp: 3001

Ion Ratio Lower Upper

91 100

106 104.2 37.5 56.3#



#60

o-Xylene

Concen: 0.051 ppbv

RT: 9.943 min Scan# 3045

Delta R.T. -0.003 min

Lab File: VL043036.D

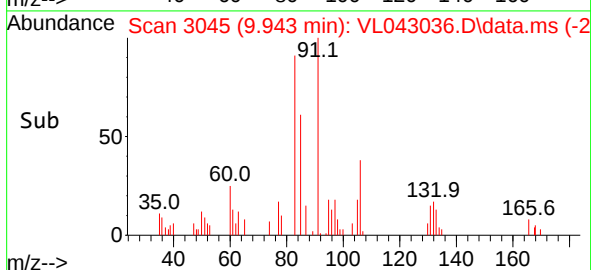
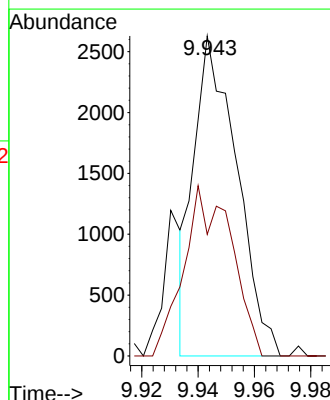
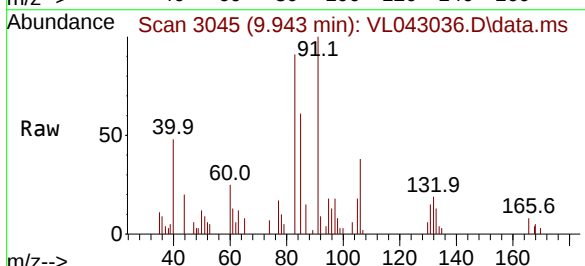
Acq: 02 Oct 2025 12:35

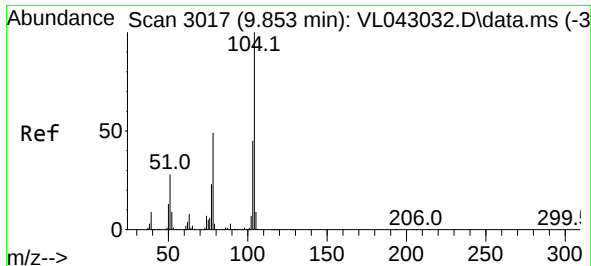
Tgt Ion: 91 Resp: 2773

Ion Ratio Lower Upper

91 100

106 59.1 21.9 65.5

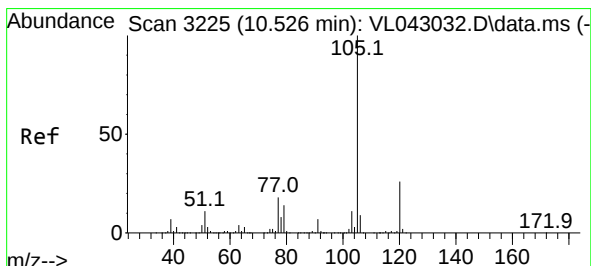
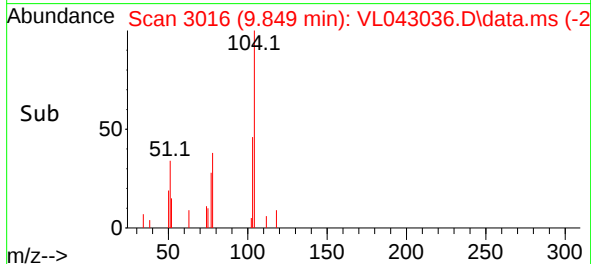
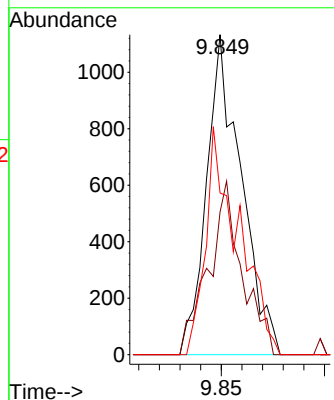
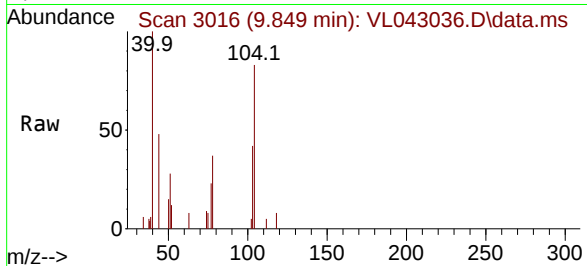




#61
Styrene
Concen: 0.058 ppbv
RT: 9.849 min Scan# 3017
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

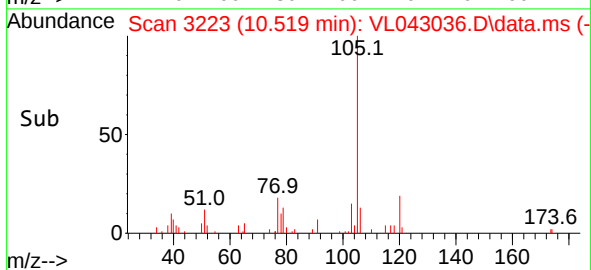
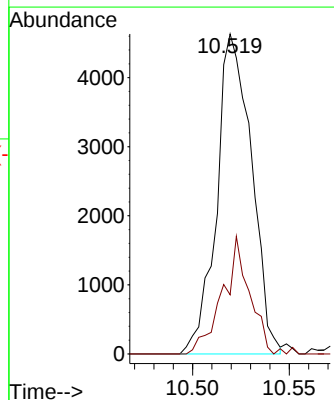
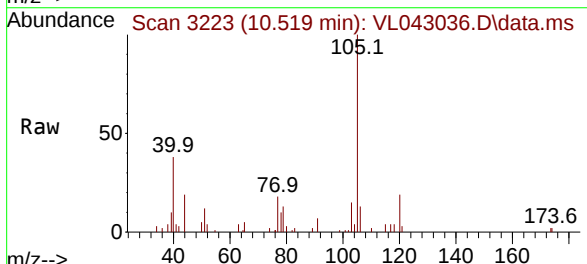
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

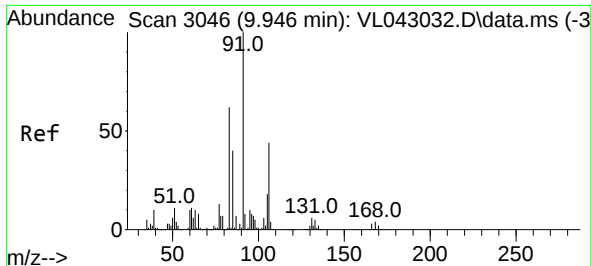
Tgt Ion:104 Resp: 1322
Ion Ratio Lower Upper
104 100
78 52.5 39.7 59.5
103 67.3 37.6 56.4#



#62
Isopropylbenzene
Concen: 0.069 ppbv
RT: 10.519 min Scan# 3223
Delta R.T. -0.006 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion:105 Resp: 5799
Ion Ratio Lower Upper
105 100
120 29.0 20.6 31.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.094 ppbv

RT: 9.946 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

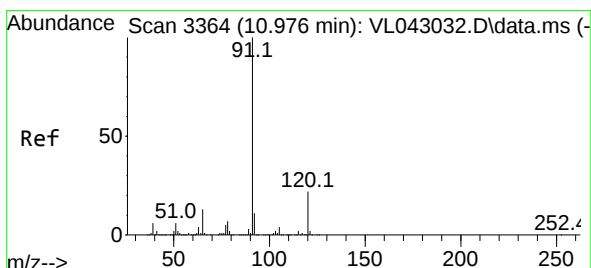
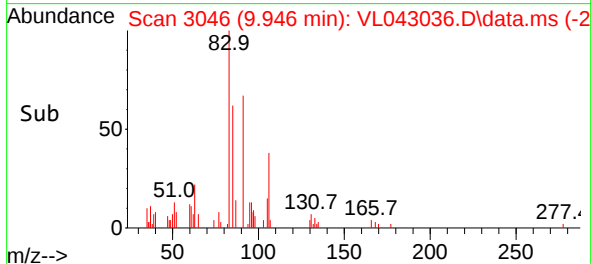
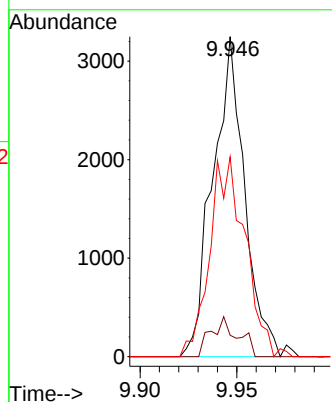
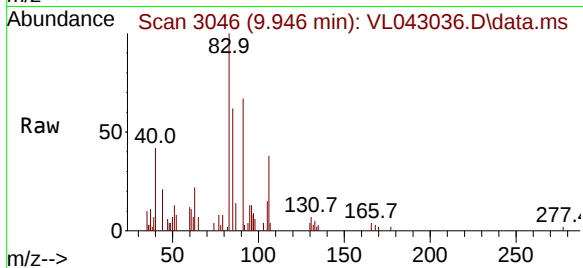
Tgt Ion: 83 Resp: 3701

Ion Ratio Lower Upper

83 100

131 10.4 4.7 14.1

85 69.8 32.0 96.2



#64

n-propylbenzene

Concen: 0.064 ppbv

RT: 10.976 min Scan# 3364

Delta R.T. 0.000 min

Lab File: VL043036.D

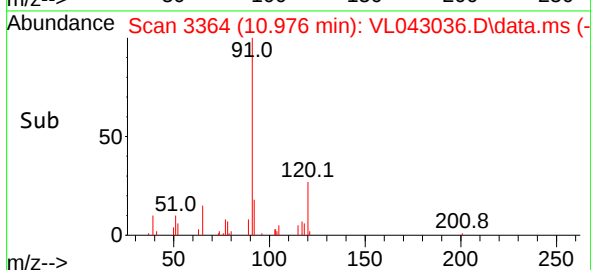
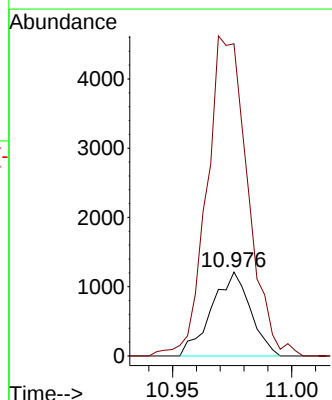
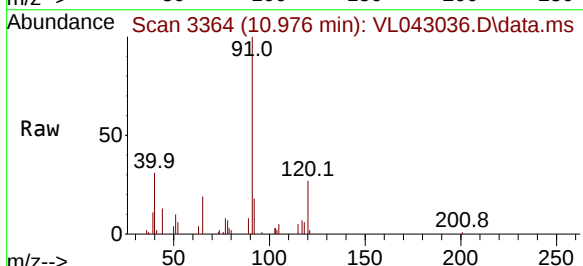
Acq: 02 Oct 2025 12:35

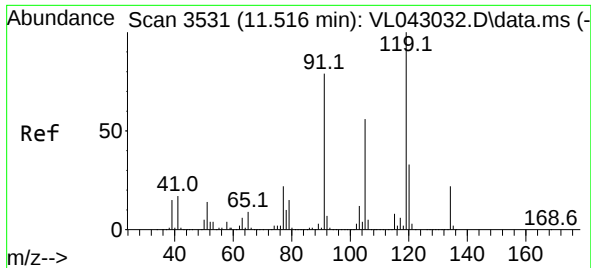
Tgt Ion: 120 Resp: 1371

Ion Ratio Lower Upper

120 100

91 401.3 367.0 550.4

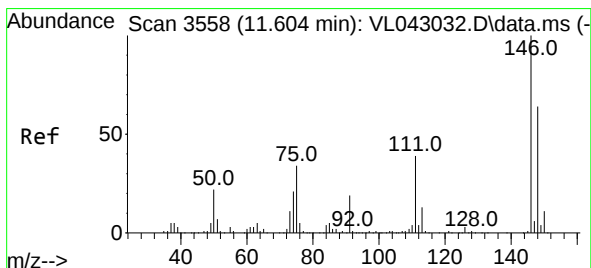
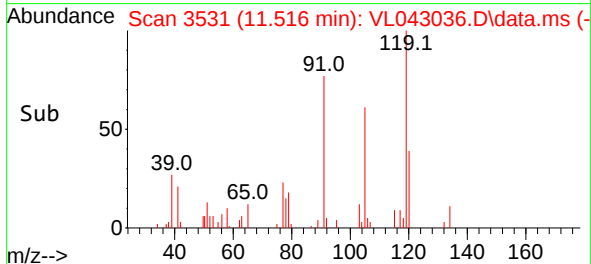
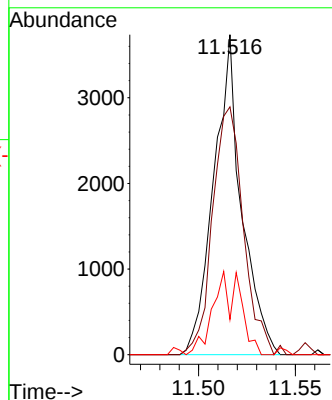
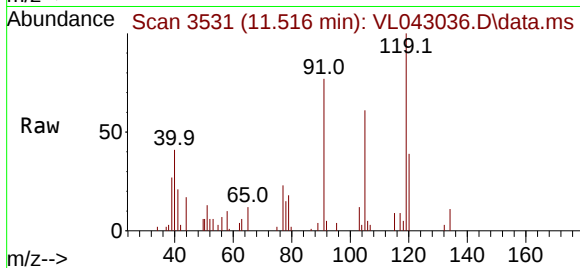




#65
tert-Butylbenzene
Concen: 0.050 ppbv
RT: 11.516 min Scan# 3531
Delta R.T. 0.000 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

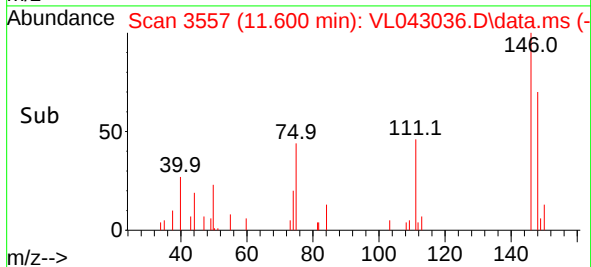
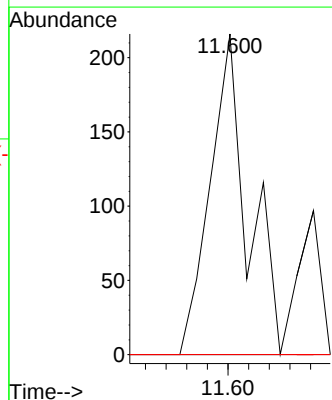
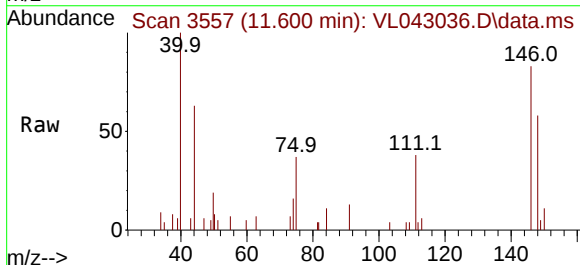
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

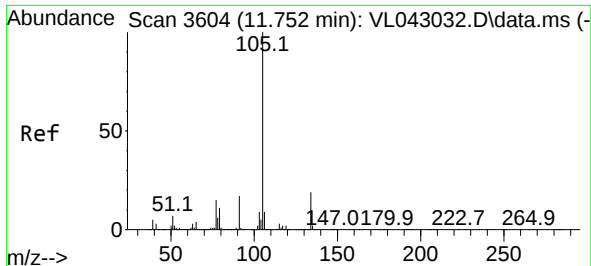
Tgt Ion:119 Resp: 3738
Ion Ratio Lower Upper
119 100
91 87.2 63.1 94.7
134 26.5 16.9 25.3#



#66
Benzyl Chloride
Concen: 0.038 ppbv
RT: 11.600 min Scan# 3557
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 91 Resp: 110
Ion Ratio Lower Upper
91 100
126 0.0 14.2 21.4#
128 0.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.055 ppbv

RT: 11.753 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

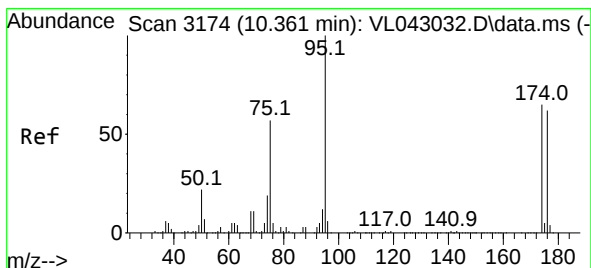
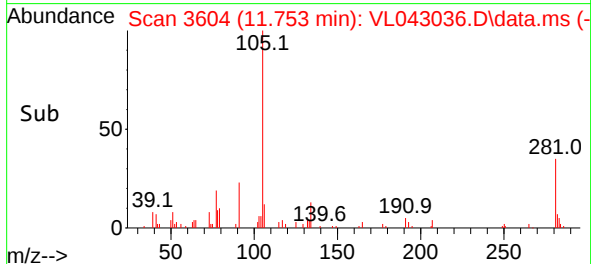
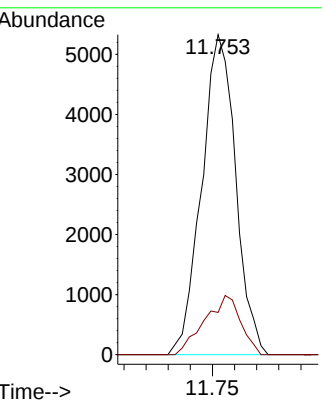
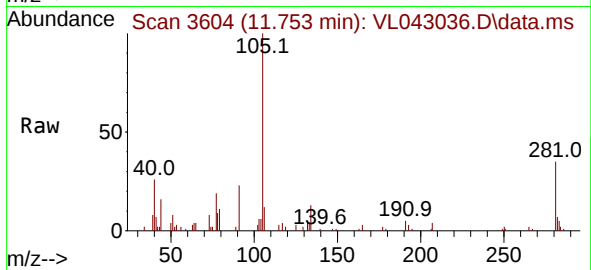
VSTDIC0.1

Tgt Ion:105 Resp: 5688

Ion Ratio Lower Upper

105 100

134 19.6 15.2 22.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.603 ppbv

RT: 10.358 min Scan# 3173

Delta R.T. -0.003 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

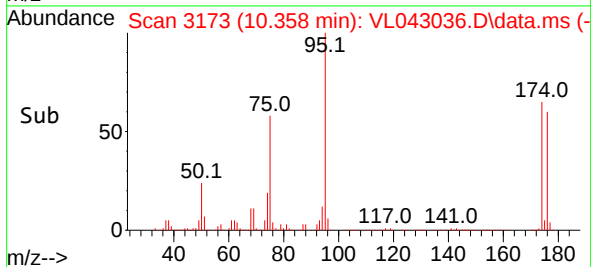
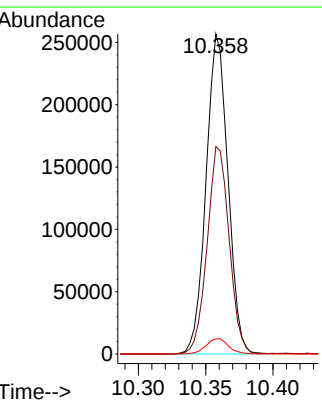
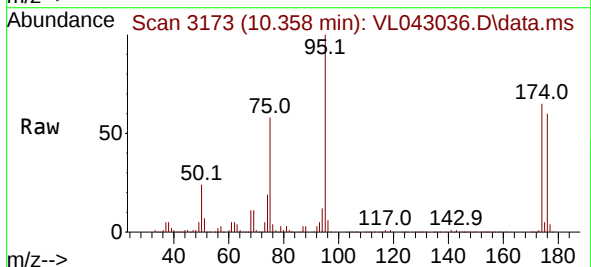
Tgt Ion: 95 Resp: 289539

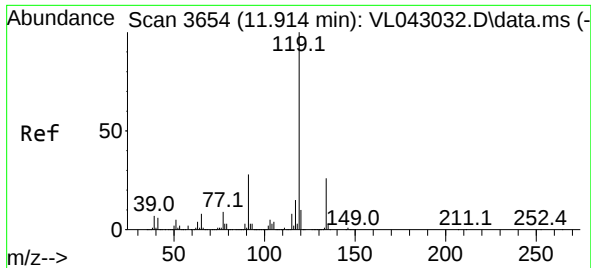
Ion Ratio Lower Upper

95 100

174 65.4 52.3 78.5

175 4.9 3.8 5.8

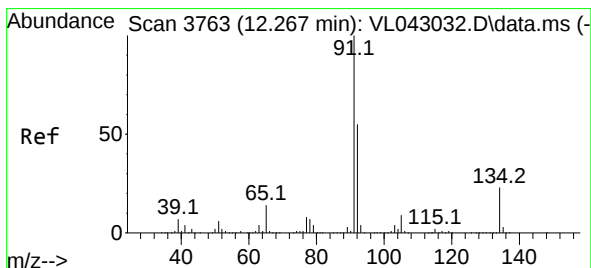
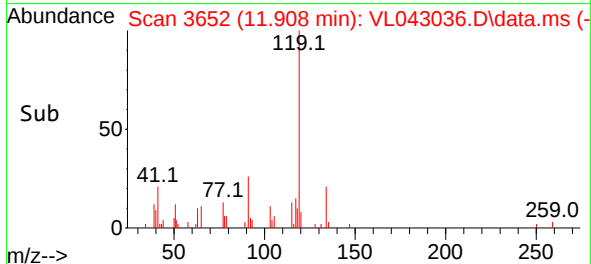
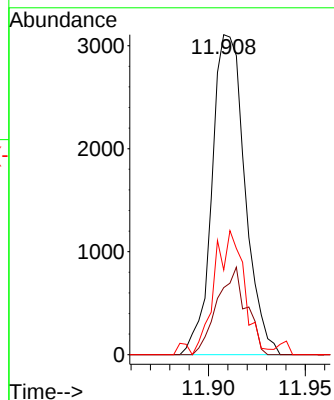
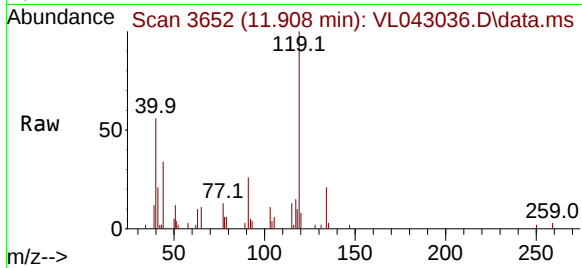




#69
 p-Isopropyltoluene
 Concen: 0.043 ppbv
 RT: 11.908 min Scan# 3652
 Delta R.T. -0.006 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

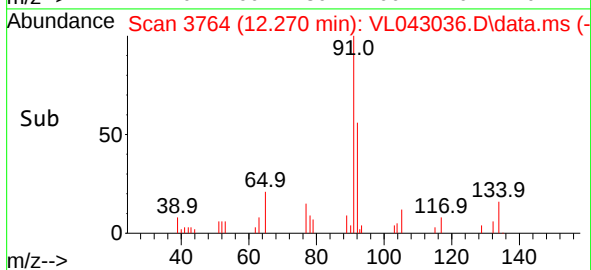
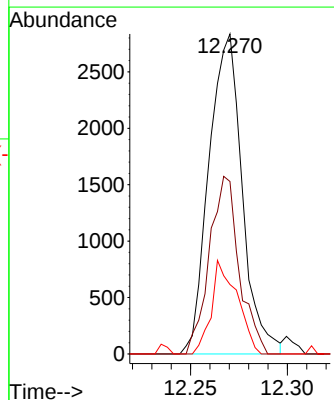
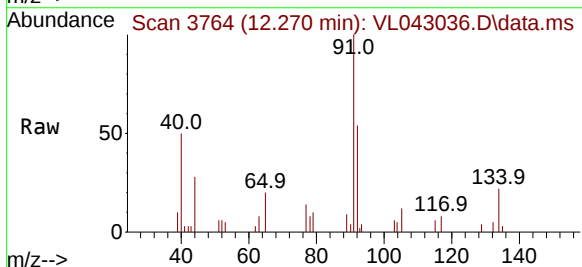
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

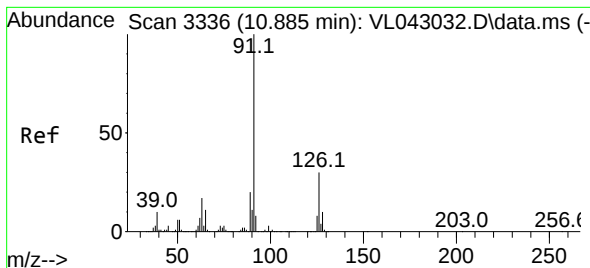
Tgt Ion:	119	Resp:	3673
Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.5	30.7
91	37.6	22.6	33.8



#70
 n-Butylbenzene
 Concen: 0.042 ppbv
 RT: 12.270 min Scan# 3764
 Delta R.T. 0.003 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

Tgt Ion:	91	Resp:	3386
Ion	Ratio	Lower	Upper
91	100		
92	49.8	43.9	65.9
134	23.6	18.9	28.3

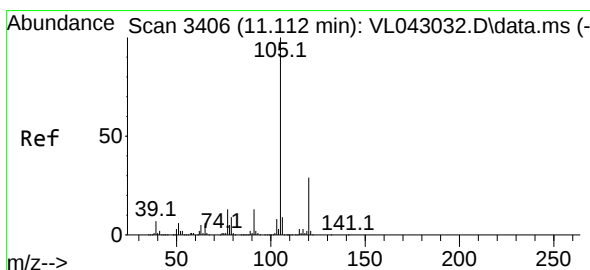
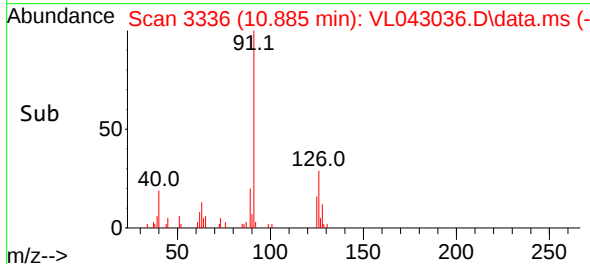
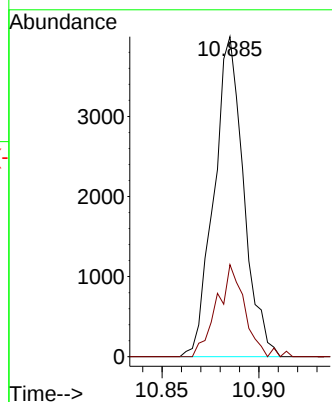
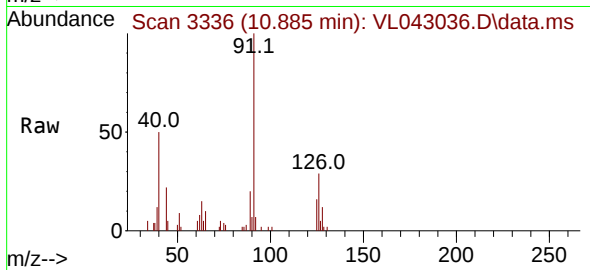




#71
2-Chlorotoluene
Concen: 0.070 ppbv
RT: 10.885 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

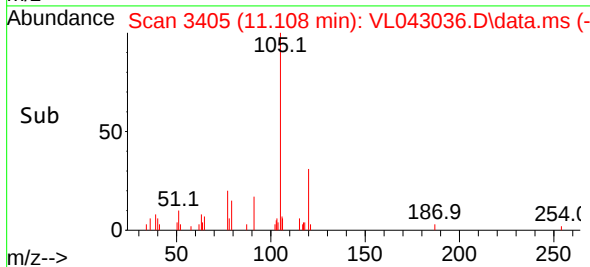
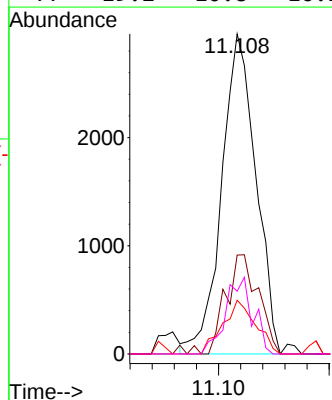
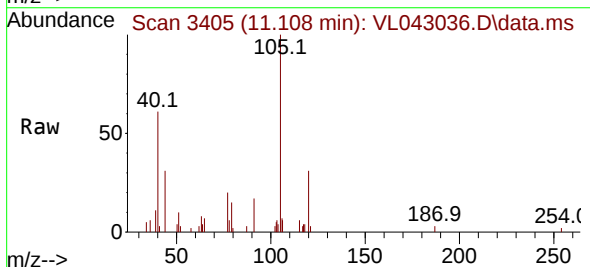
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

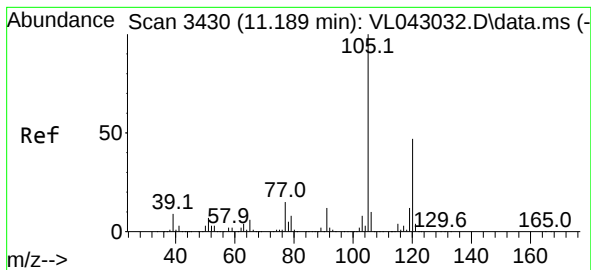
Tgt Ion: 91 Resp: 4260
Ion Ratio Lower Upper
91 100
126 27.3 12.2 48.6



#72
4-Ethyltoluene
Concen: 0.049 ppbv
RT: 11.108 min Scan# 3405
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion: 105 Resp: 3174
Ion Ratio Lower Upper
105 100
120 30.1 23.5 35.3
91 18.3 10.4 15.6#
77 19.2 10.8 16.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.058 ppbv

RT: 11.189 min Scan# 3430

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

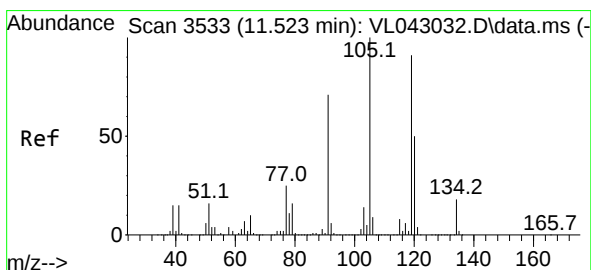
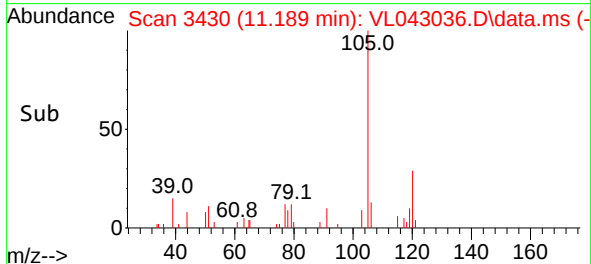
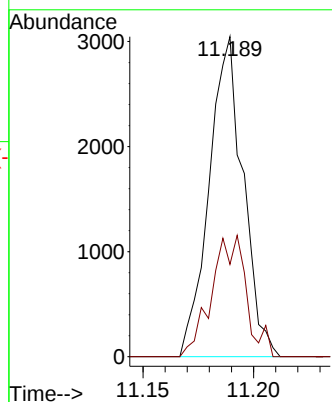
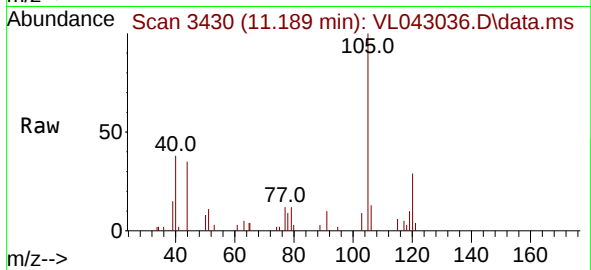
VSTDIC0.1

Tgt Ion:105 Resp: 3255

Ion Ratio Lower Upper

105 100

120 28.9 37.5 56.3#



#74

1,2,4-Trimethylbenzene

Concen: 0.047 ppbv

RT: 11.523 min Scan# 3533

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Tgt Ion:105 Resp: 2998

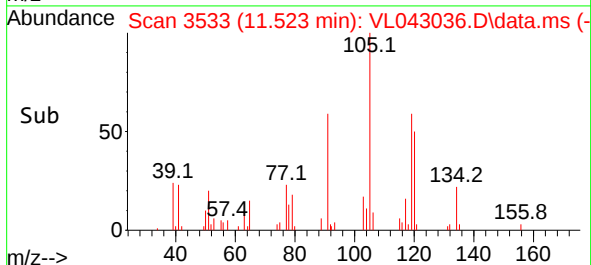
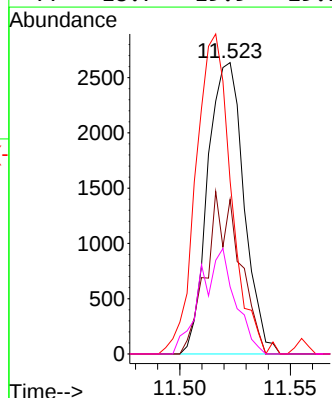
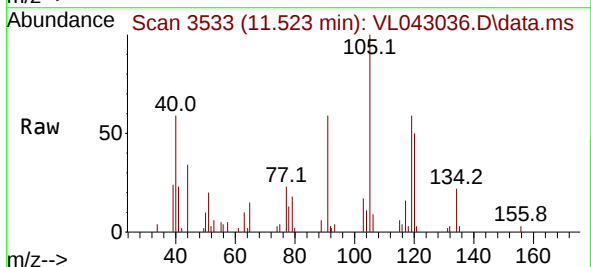
Ion Ratio Lower Upper

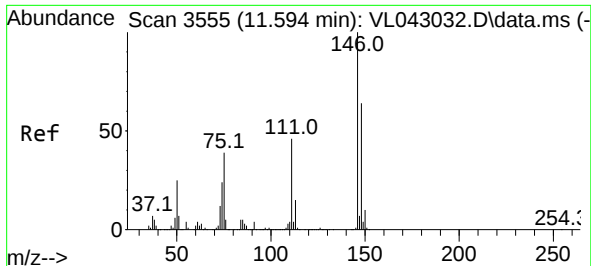
105 100

120 53.0 39.7 59.5

91 59.3 56.5 84.7

77 18.7 19.9 29.9#

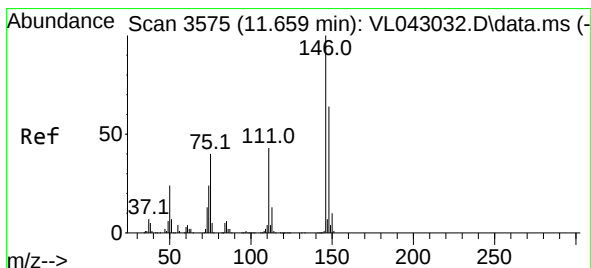
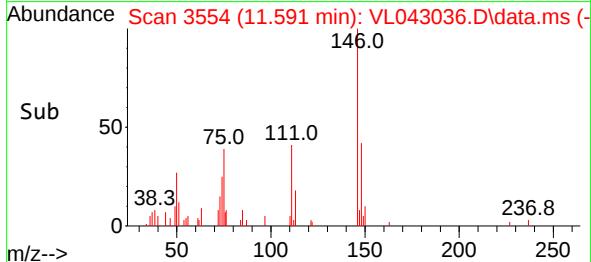
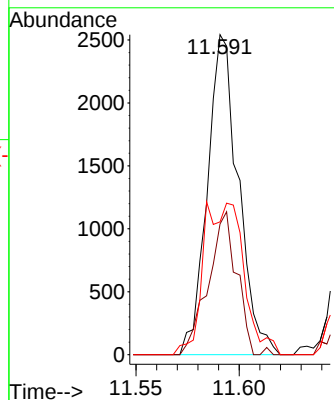
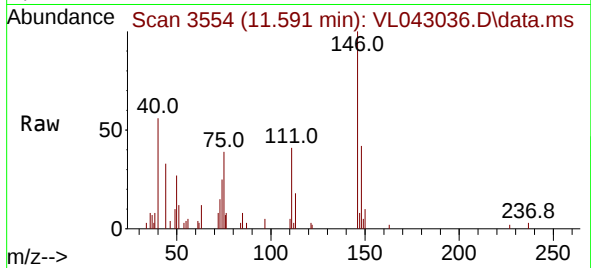




#75
1,3-Dichlorobenzene
Concen: 0.065 ppbv
RT: 11.591 min Scan# 3554
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

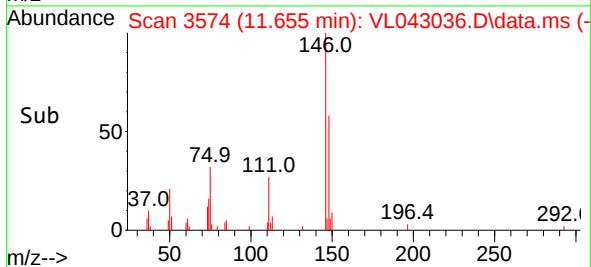
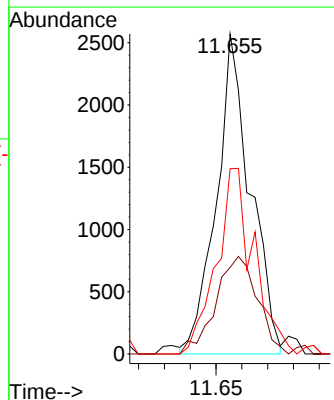
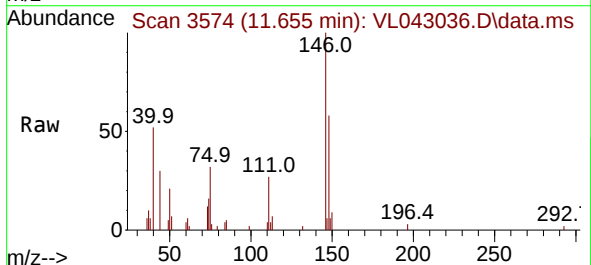
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

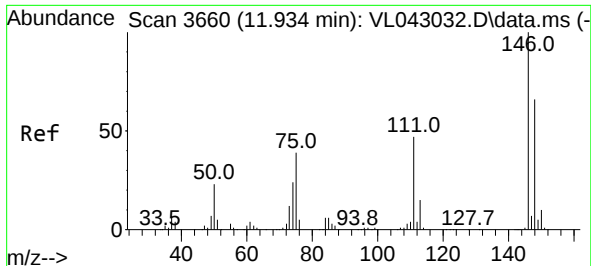
Tgt Ion:	146	Resp:	2660
Ion Ratio	Lower	Upper	
146	100		
111	41.2	22.6	67.7
148	61.6	31.9	95.7



#76
1,4-Dichlorobenzene
Concen: 0.060 ppbv
RT: 11.655 min Scan# 3574
Delta R.T. -0.003 min
Lab File: VL043036.D
Acq: 02 Oct 2025 12:35

Tgt Ion:	146	Resp:	2353
Ion Ratio	Lower	Upper	
146	100		
111	38.4	21.7	65.1
148	64.5	32.1	96.3

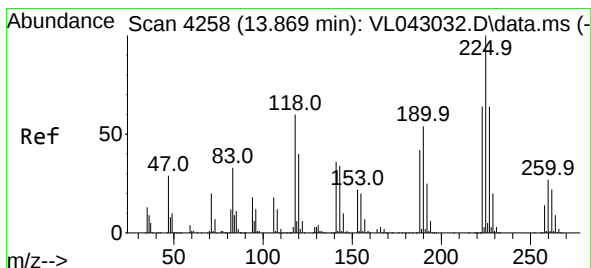
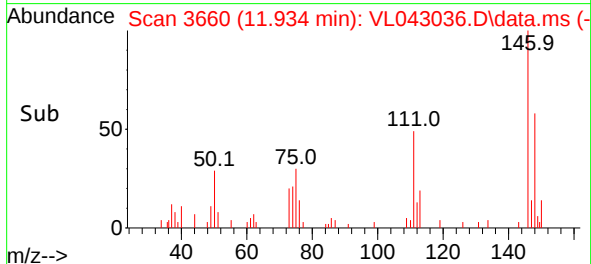
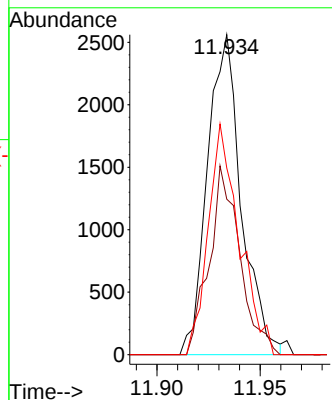
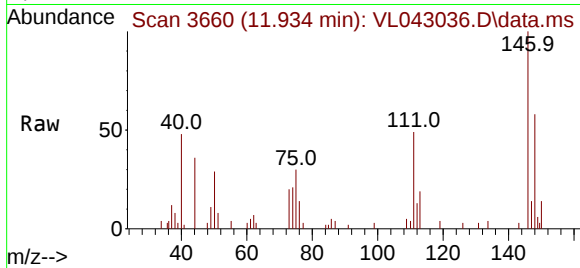




#77
 1,2-Dichlorobenzene
 Concen: 0.071 ppbv
 RT: 11.934 min Scan# 3660
 Delta R.T. 0.000 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

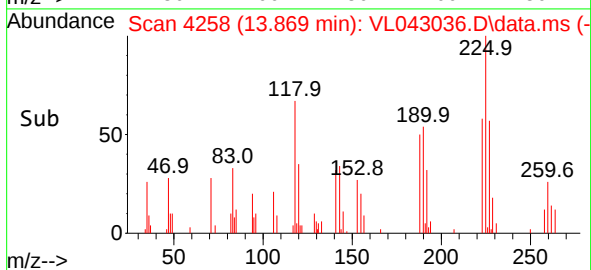
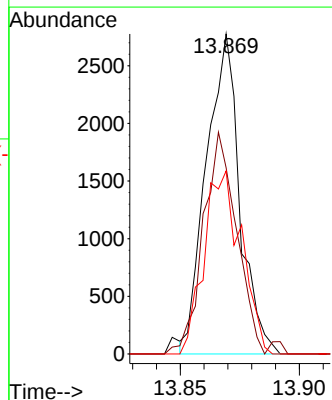
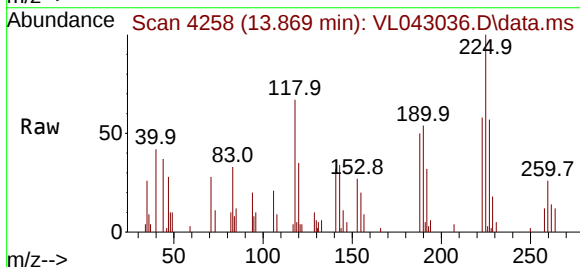
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

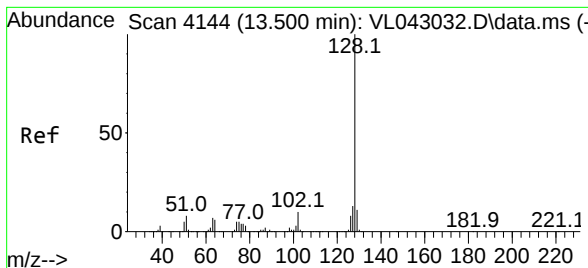
Tgt Ion:146	Resp:	2917
Ion	Ratio	Lower Upper
146	100	
111	53.4	23.2 69.5
148	66.2	31.9 95.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.095 ppbv
 RT: 13.869 min Scan# 4258
 Delta R.T. 0.000 min
 Lab File: VL043036.D
 Acq: 02 Oct 2025 12:35

Tgt Ion:225	Resp:	2708
Ion	Ratio	Lower Upper
225	100	
223	70.5	50.9 76.3
227	64.0	50.9 76.3





#79

Naphthalene

Concen: 0.261 ppbv

RT: 13.500 min Scan# 4144

Delta R.T. 0.000 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

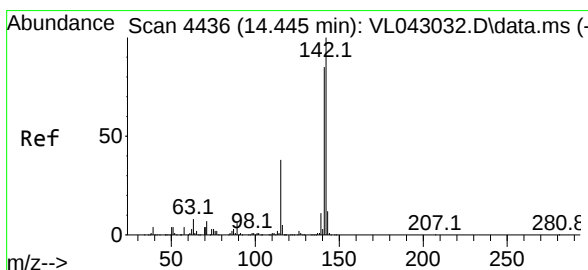
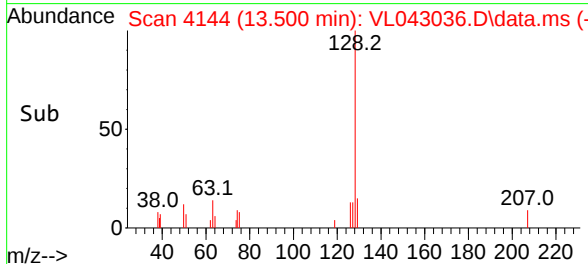
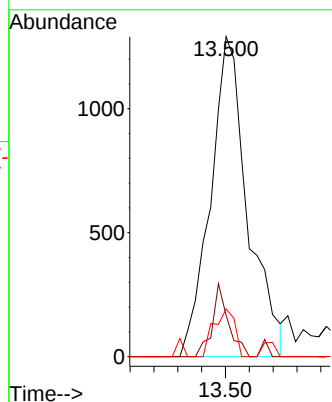
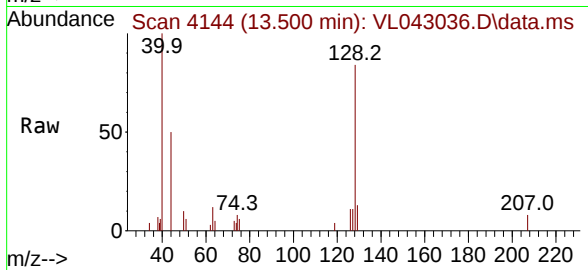
Tgt Ion:128 Resp: 1393

Ion Ratio Lower Upper

128 100

127 13.6 10.6 16.0

129 15.8 8.8 13.2#



#80

Naphthalene,2-methyl-

Concen: 0.689 ppbv

RT: 14.452 min Scan# 4438

Delta R.T. 0.007 min

Lab File: VL043036.D

Acq: 02 Oct 2025 12:35

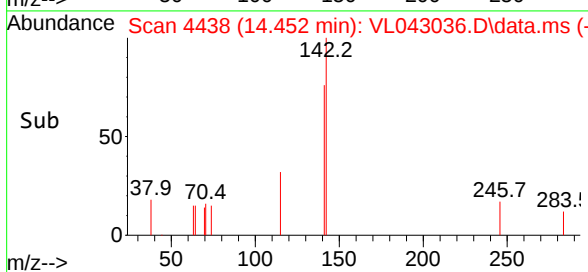
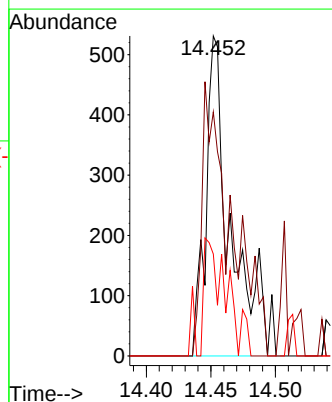
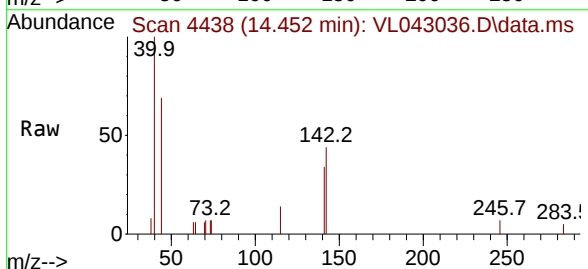
Tgt Ion:142 Resp: 713

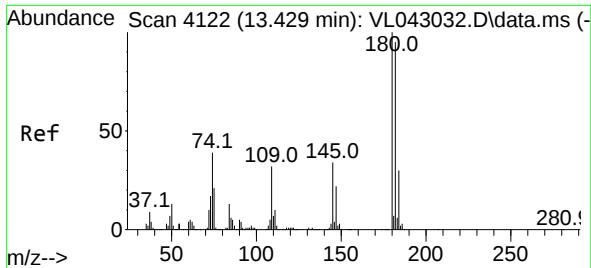
Ion Ratio Lower Upper

142 100

141 113.0 66.6 100.0#

115 36.7 30.1 45.1





#81

1,2,4-Trichlorobenzene

Concen: 0.023 ppbv

RT: 13.426 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL043036.D

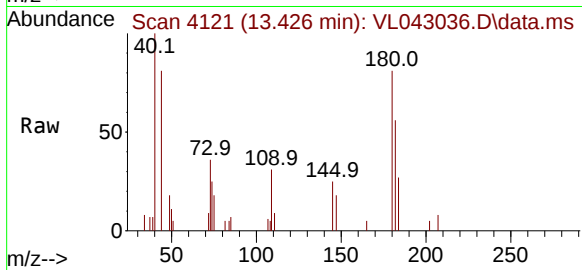
Acq: 02 Oct 2025 12:35

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:180 Resp: 564

Ion Ratio Lower Upper

180 100

182 0.0 76.9 115.3#

184 0.0 23.9 35.9#

