

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043232.D
 Acq On : 19 Nov 2025 09:31
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Nov 20 00:01:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	92858	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.953	114	261062	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	210840	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	156782	10.145	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	144631	11.043	ppbv	99
3) Chlorodifluoromethane	1.476	51	122519	9.512	ppbv	94
4) Chloromethane	1.531	50	47574	9.715	ppbv	99
5) Vinyl Chloride	1.580	62	49554	9.253	ppbv	95
6) Bromomethane	1.667	94	26743	10.302	ppbv	96
7) Chloroethane	1.703	64	19615	9.405	ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	118618	10.888	ppbv	100
9) Propene	1.771	41	50637	9.258	ppbv	98
10) Heptane	4.972	43	136196	8.367	ppbv	99
11) Trichlorofluoromethane	1.878	101	151279	11.922	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.140	101	112009	11.306	ppbv	96
13) Ethanol	1.719	45	16875	8.774	ppbv	97
14) Bromoethene	1.781	108	40850	10.756	ppbv	93
15) Acetone	1.833	43	108749	8.429	ppbv	96
16) 1,3-Butadiene	1.609	39	53970	9.384	ppbv	96
17) tert-Butyl alcohol	2.036	59	171765	10.143	ppbv	99
18) 1,1-Dichloroethene	2.033	96	47565	10.312	ppbv	93
19) Isopropyl Alcohol	1.884	45	68870	9.447	ppbv	98
20) Methylene Chloride	2.059	84	43061	11.440	ppbv	93
21) Allyl Chloride	2.095	41	81929	9.439	ppbv	93
22) trans-1,2-Dichloroethene	2.341	96	54055	10.253	ppbv	94
23) Vinyl Acetate	2.460	43	145062	9.314	ppbv	98
24) 1,1-Dichloroethane	2.405	63	106518	10.467	ppbv	99
25) Ethyl Acetate	2.829	43	245441	8.821	ppbv	99
26) Hexane	2.823	57	109619	8.986	ppbv	98
27) Carbon Disulfide	2.150	76	133103	10.687	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	61465	10.265	ppbv	96
29) Chloroform	2.846	83	193620	11.166	ppbv	99
30) Cyclohexane	3.849	84	99278	9.707	ppbv	90
31) cis-1,2-Dichloroethene	2.719	61	120121	9.907	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	205379	11.112	ppbv	99
34) 2-Butanone	2.551	43	159571	8.659	ppbv	99
35) Carbon Tetrachloride	3.758	117	215989	10.900	ppbv	99
36) Benzene	3.651	78	235020	9.400	ppbv	97
37) 1,2-Dichloroethane	3.215	62	156071	10.672	ppbv	96
38) Trichloroethene	4.542	130	96860	9.902	ppbv	97
39) 1,2-Dichloropropane	4.305	63	81356	8.891	ppbv	86
40) 1,4-Dioxane	4.571	88	36952	8.983	ppbv #	98
41) Tetrahydrofuran	3.046	42	83683	8.223	ppbv	96
42) Bromodichloromethane	4.480	83	212816	10.549	ppbv	96
43) Methyl Methacrylate	4.868	69	112985	8.514	ppbv	95
44) 2,2,4-Trimethylpentane	4.632	57	374848	8.730	ppbv	97
45) t-1,3-Dichloropropene	6.403	75	112704	9.111	ppbv	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111925\
 Data File : VL043232.D
 Acq On : 19 Nov 2025 09:31
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

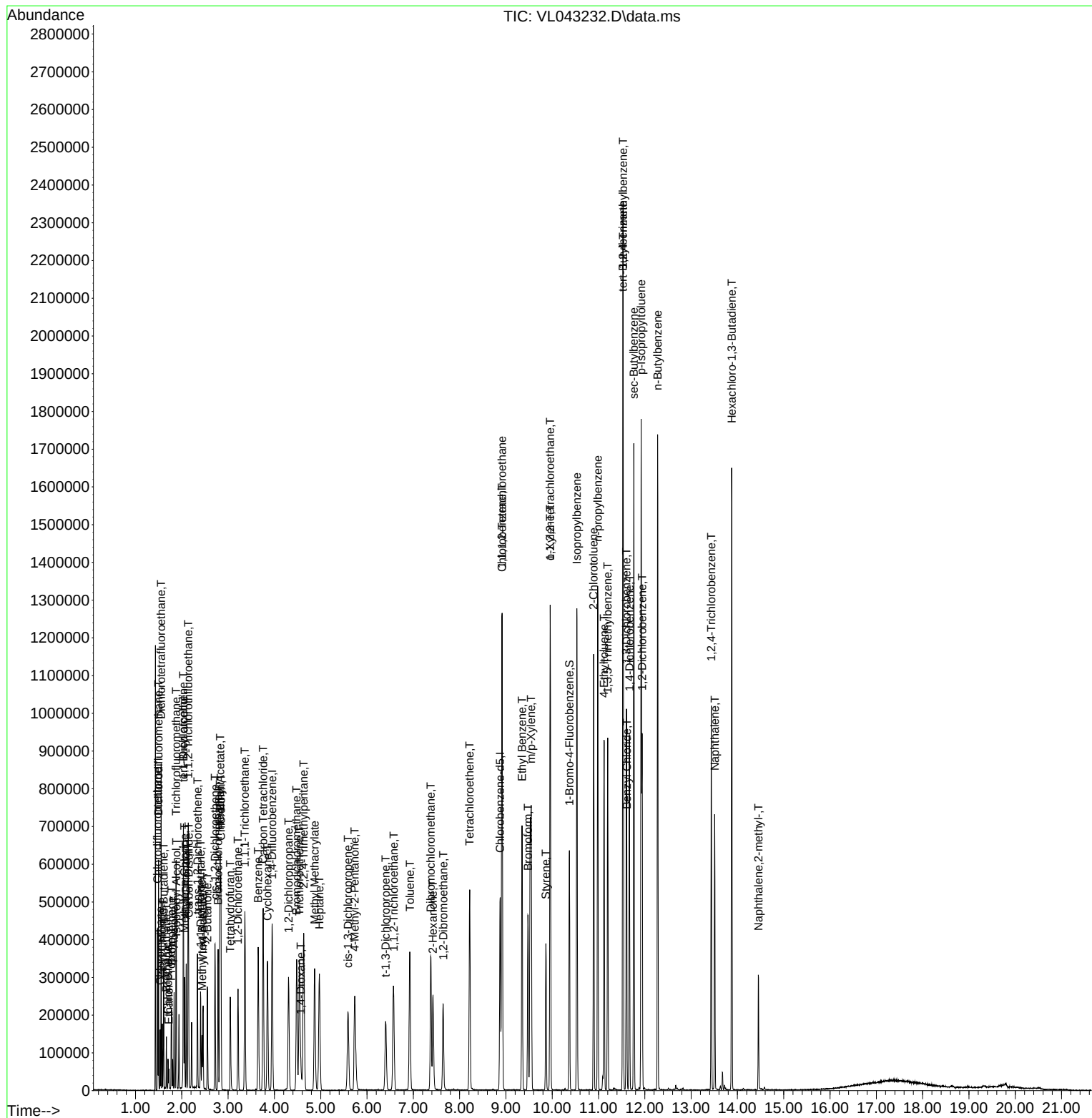
Instrument :
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 ClientSampleId :
 VSTDCCC010

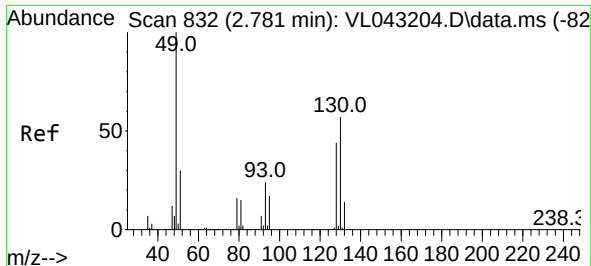
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	129954	8.947	ppbv	99
47) 1,1,2-Trichloroethane	6.577	97	45748	4.711	ppbv	95
48) Dibromochloromethane	7.377	129	179951	10.778	ppbv	97
49) Bromoform	9.477	173	164309	11.110	ppbv	99
50) 4-Methyl-2-Pentanone	5.736	43	215210	8.290	ppbv	100
51) 2-Hexanone	7.422	43	168100	8.339	ppbv #	100
52) Tetrachloroethene	8.218	164	93448	10.048	ppbv	98
53) Toluene	6.927	91	270136	9.125	ppbv	99
54) 1,2-Dibromoethane	7.646	107	146059	10.221	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.918	131	164526	10.618	ppbv	97
57) Chlorobenzene	8.914	112	216324	9.993	ppbv	96
58) Ethyl Benzene	9.348	91	394701	9.726	ppbv	100
59) m/p-Xylene	9.542	91	301368	9.263	ppbv #	23
60) o-Xylene	9.956	91	326016	10.030	ppbv	100
61) Styrene	9.863	104	134337	9.444	ppbv	99
62) Isopropylbenzene	10.533	105	588476	10.120	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	200465	9.693	ppbv	99
64) n-propylbenzene	10.982	120	151292	10.126	ppbv	99
65) tert-Butylbenzene	11.526	119	523483	10.080	ppbv	99
66) Benzyl Chloride	11.610	91	41211	7.820	ppbv	99
67) sec-Butylbenzene	11.762	105	733799	10.123	ppbv	99
69) p-Isopropyltoluene	11.921	119	627991	10.227	ppbv	99
70) n-Butylbenzene	12.277	91	618379	10.380	ppbv	99
71) 2-Chlorotoluene	10.895	91	448104	10.026	ppbv	99
72) 4-Ethyltoluene	11.122	105	401514	10.144	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	340623	10.255	ppbv	94
74) 1,2,4-Trimethylbenzene	11.533	105	372542	10.277	ppbv	93
75) 1,3-Dichlorobenzene	11.604	146	223492	10.565	ppbv	99
76) 1,4-Dichlorobenzene	11.669	146	226095	10.686	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	213424	10.494	ppbv	99
78) Hexachloro-1,3-Butadiene	13.876	225	178749	10.531	ppbv	100
79) Naphthalene	13.510	128	341298	10.601	ppbv	99
80) Naphthalene,2-methyl-	14.452	142	86195	10.199	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	166081	11.534	ppbv	100

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

Quant Time: Nov 20 00:01:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
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QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

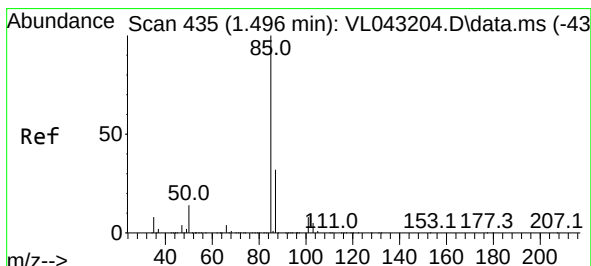
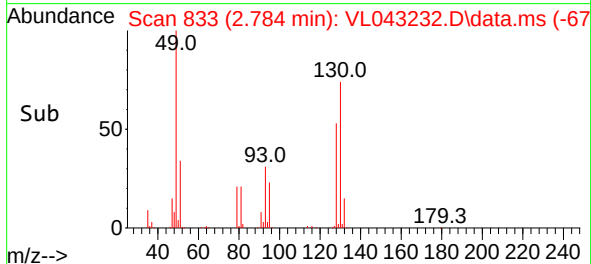
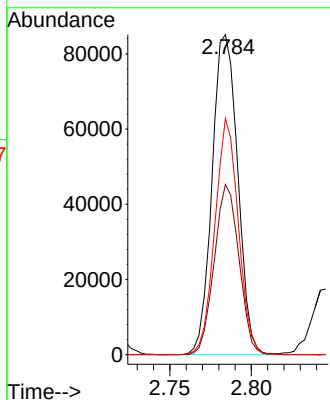
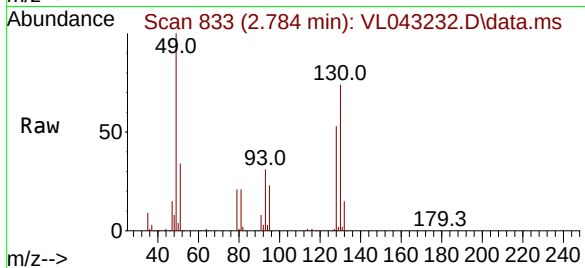




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

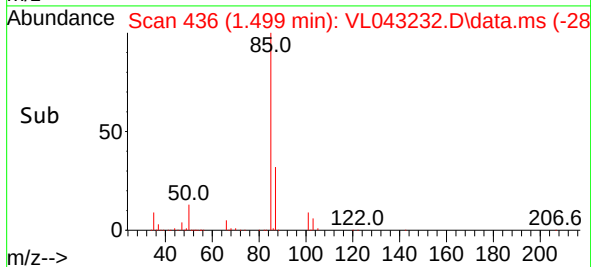
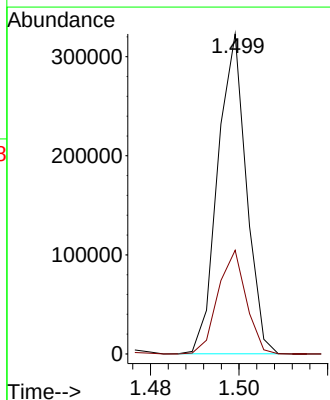
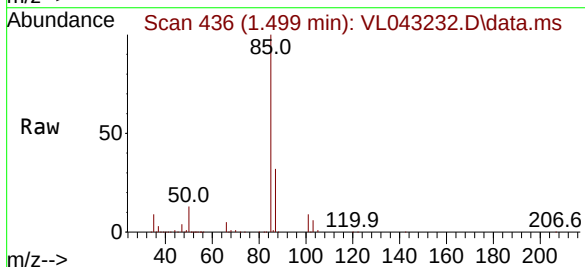
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

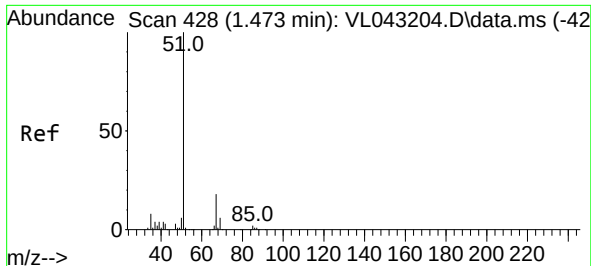
Tgt Ion: 49 Resp: 92858
Ion Ratio Lower Upper
49 100
128 51.3 23.0 69.0
130 67.6 29.9 89.7



#2
Dichlorodifluoromethane
Concen: 11.043 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 85 Resp: 144631
Ion Ratio Lower Upper
85 100
87 32.4 25.4 38.2

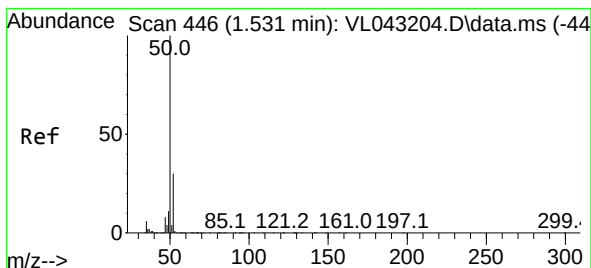
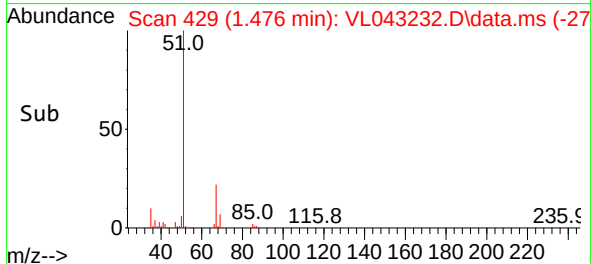
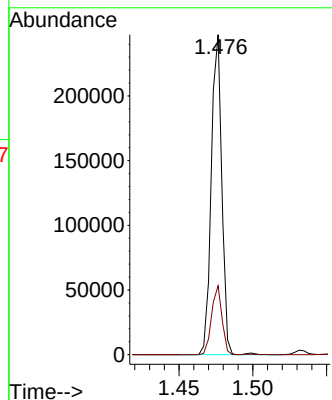
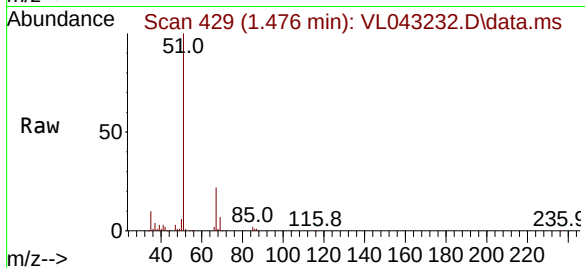




#3
Chlorodifluoromethane
Concen: 9.512 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

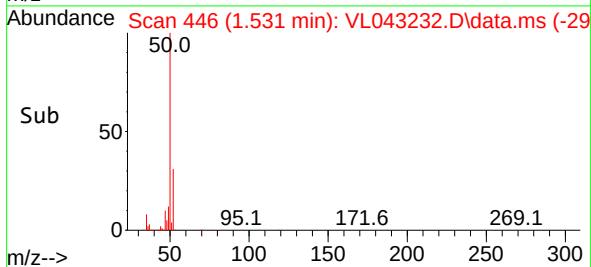
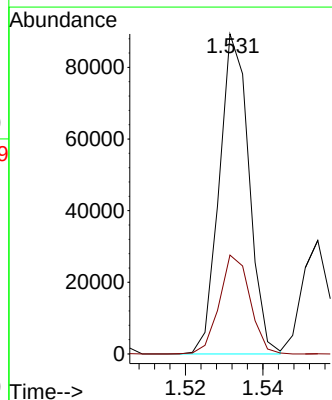
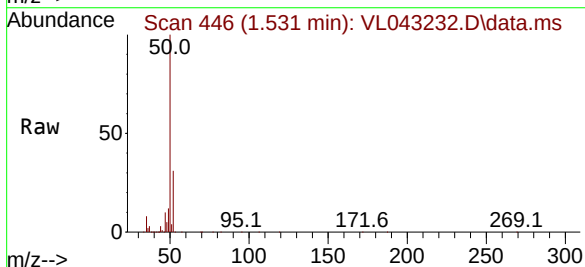
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

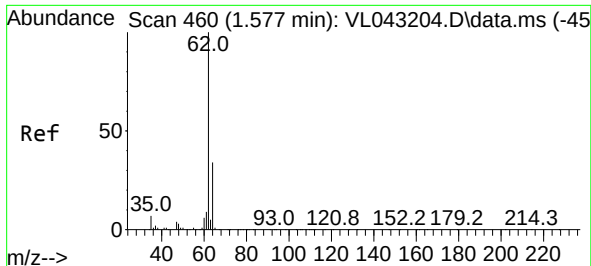
Tgt Ion: 51 Resp: 122519
Ion Ratio Lower Upper
51 100
67 21.4 14.9 22.3



#4
Chloromethane
Concen: 9.715 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 50 Resp: 47574
Ion Ratio Lower Upper
50 100
52 30.8 24.1 36.1

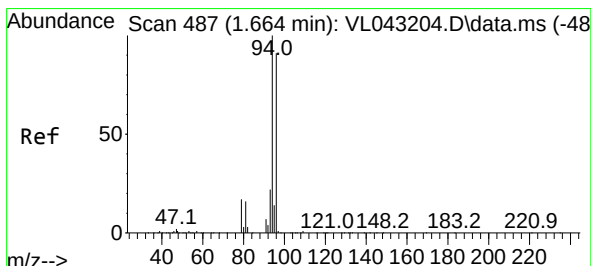
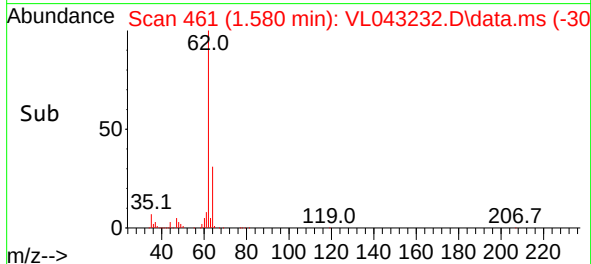
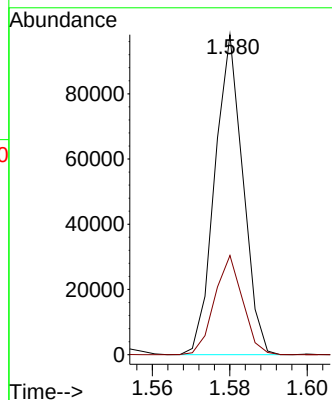
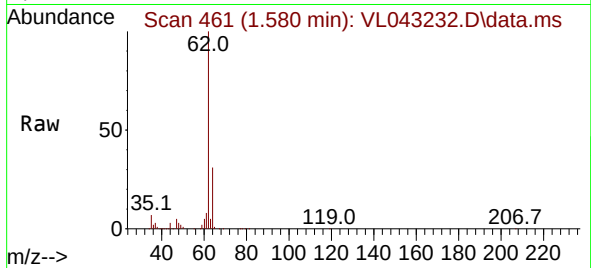




#5
 Vinyl Chloride
 Concen: 9.253 ppbv
 RT: 1.580 min Scan# 4
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

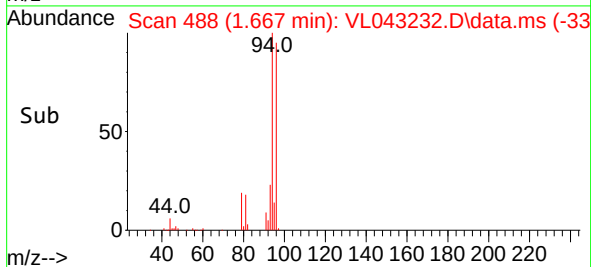
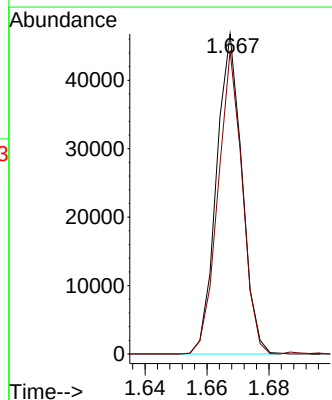
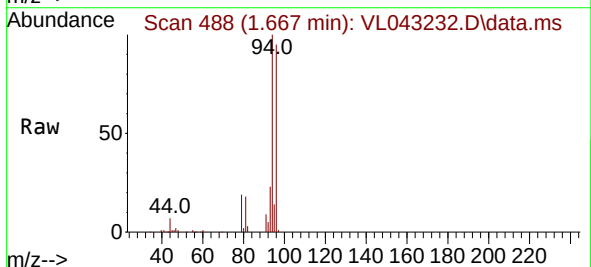
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 ClientSampleId :
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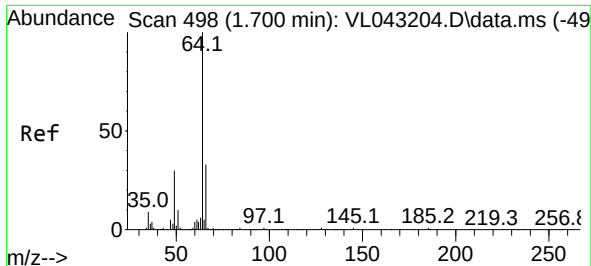
Tgt Ion: 62 Resp: 49554
 Ion Ratio Lower Upper
 62 100
 64 30.9 27.3 40.9



#6
 Bromomethane
 Concen: 10.302 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

Tgt Ion: 94 Resp: 26743
 Ion Ratio Lower Upper
 94 100
 96 94.8 72.9 109.3

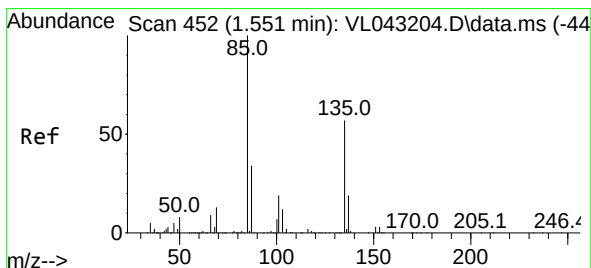
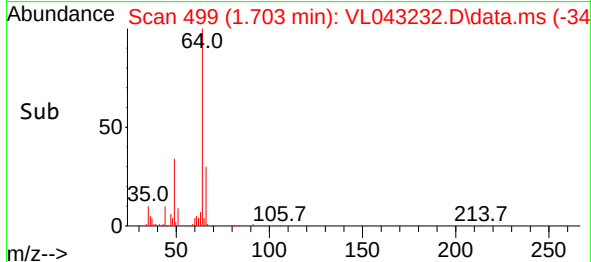
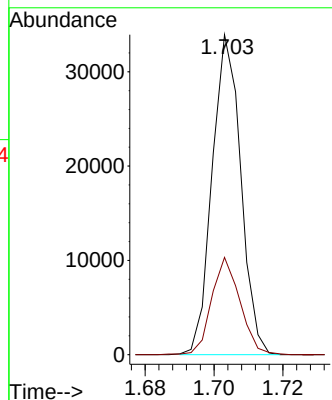
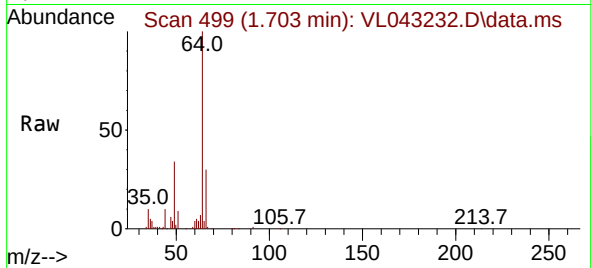




#7
Chloroethane
Concen: 9.405 ppbv
RT: 1.703 min Scan# 498
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

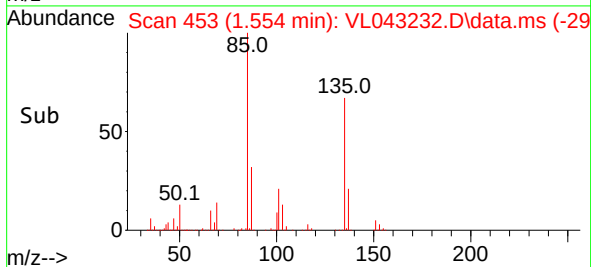
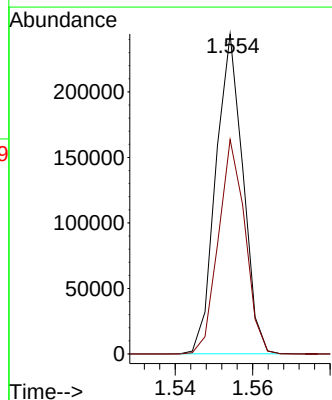
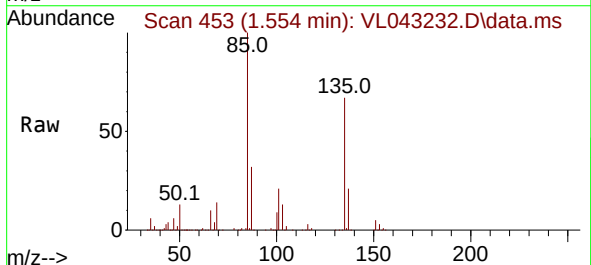
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ClientSampleId :
VSTDCCC010

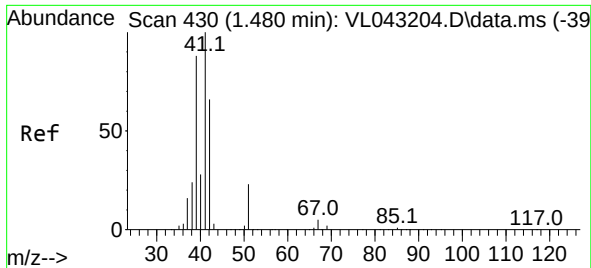
Tgt Ion: 64 Resp: 19615
Ion Ratio Lower Upper
64 100
66 30.4 26.8 40.2



#8
Dichlorotetrafluoroethane
Concen: 10.888 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 85 Resp: 118618
Ion Ratio Lower Upper
85 100
135 66.2 52.6 79.0

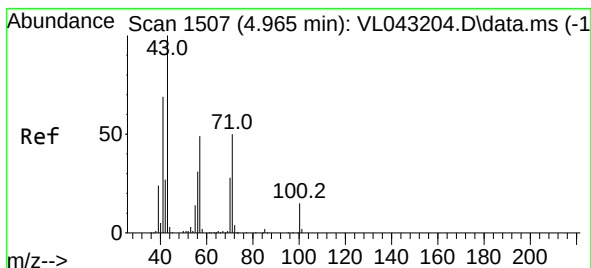
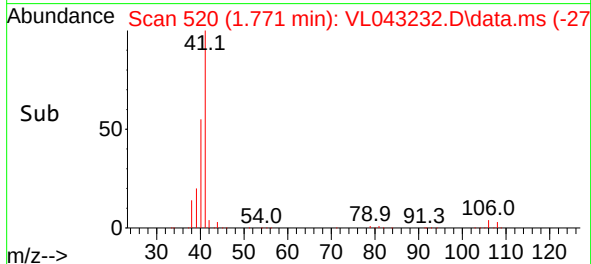
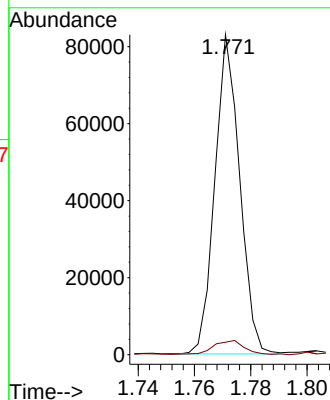
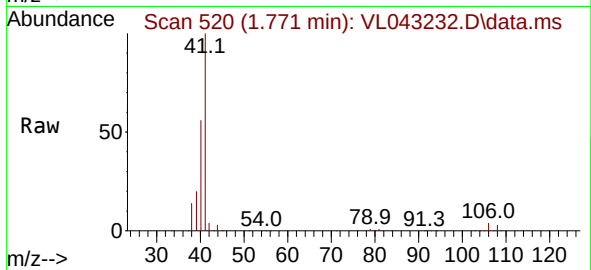




#9
Propene
Concen: 9.258 ppbv
RT: 1.771 min Scan# 51
Delta R.T. 0.291 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

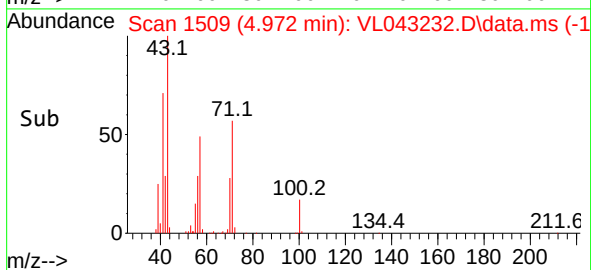
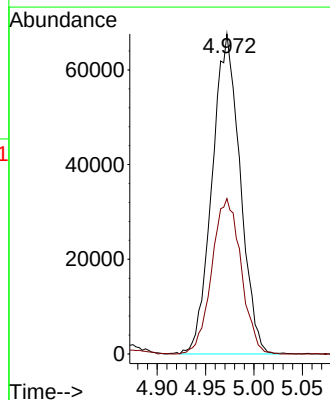
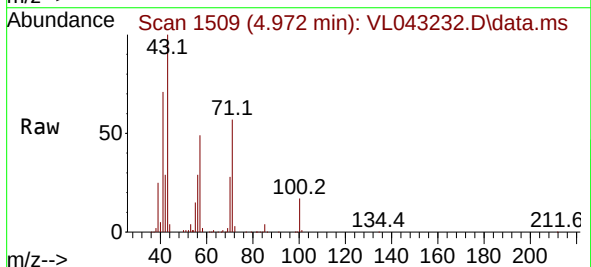
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

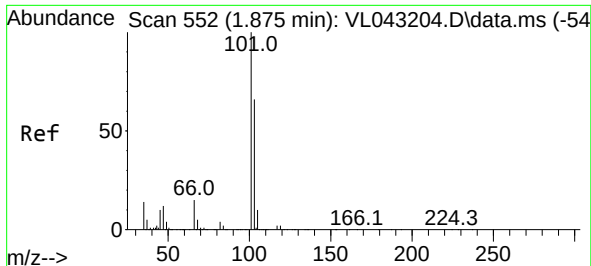
Tgt Ion: 41 Resp: 50637
Ion Ratio Lower Upper
41 100
42 5.3 3.7 5.5



#10
Heptane
Concen: 8.367 ppbv
RT: 4.972 min Scan# 1509
Delta R.T. 0.007 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 43 Resp: 136196
Ion Ratio Lower Upper
43 100
57 50.6 39.7 59.5

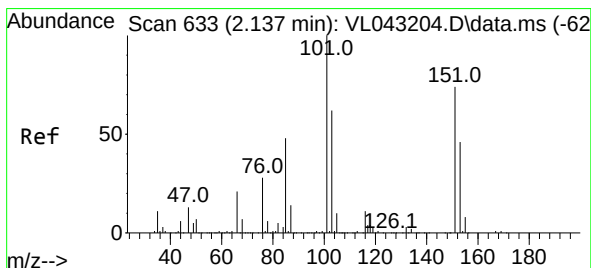
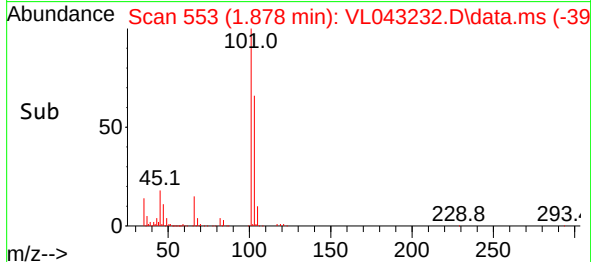
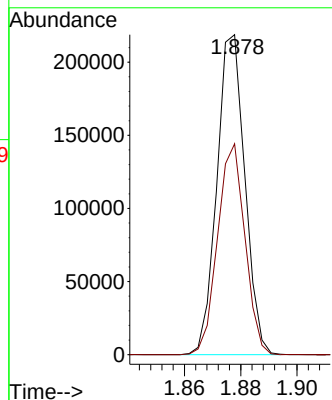
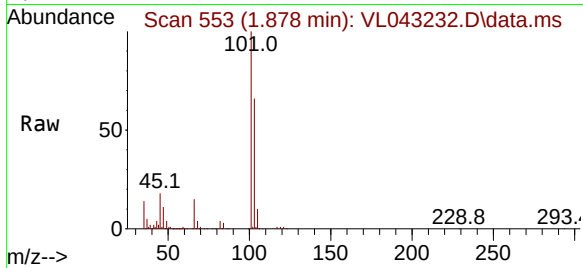




#11
 Trichlorofluoromethane
 Concen: 11.922 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

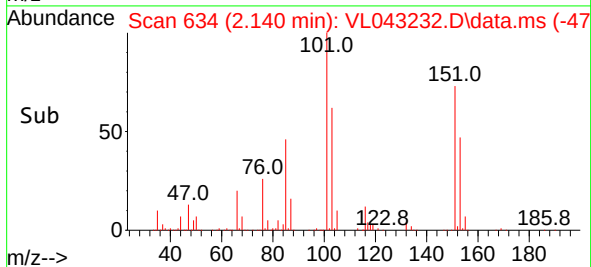
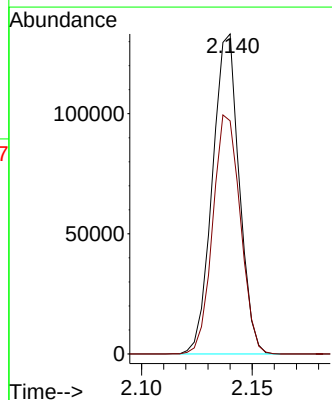
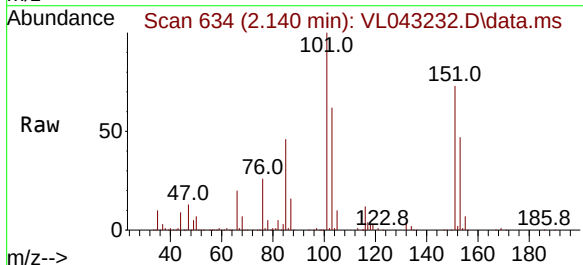
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

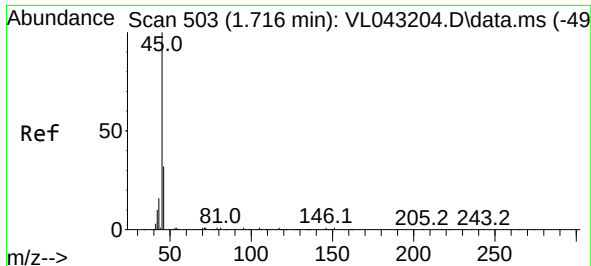
Tgt Ion:101 Resp: 151279
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 11.306 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

Tgt Ion:101 Resp: 112009
 Ion Ratio Lower Upper
 101 100
 151 77.0 59.2 88.8

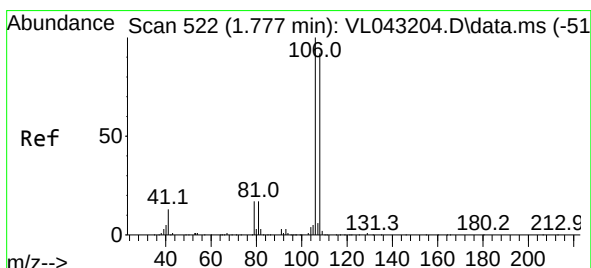
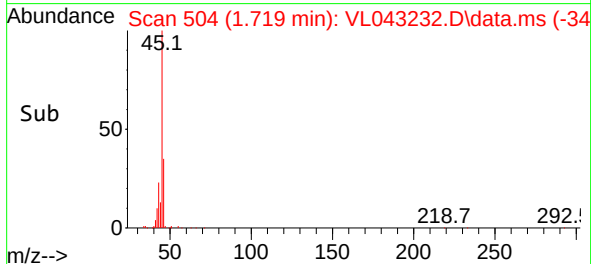
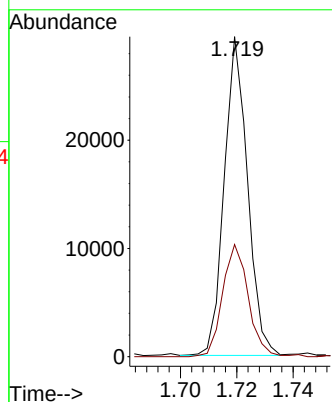
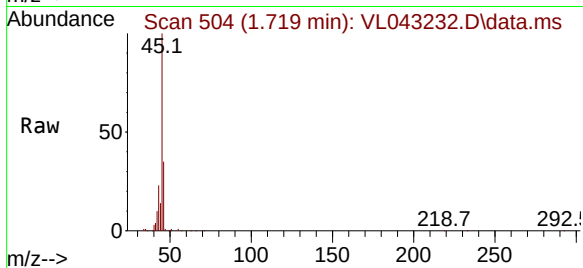




#13
Ethanol
Concen: 8.774 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

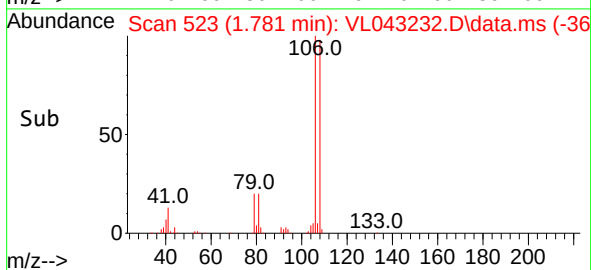
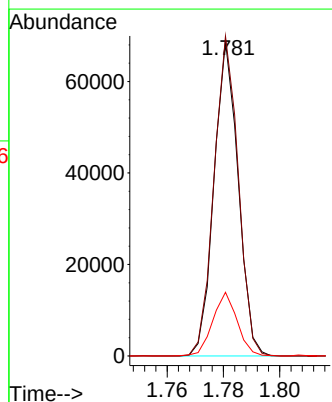
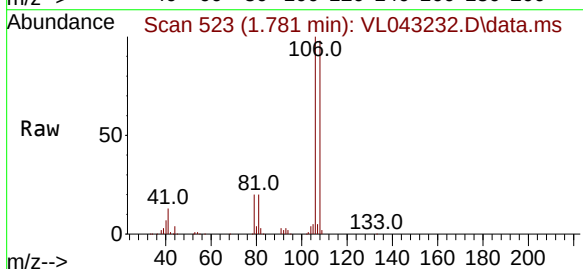
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

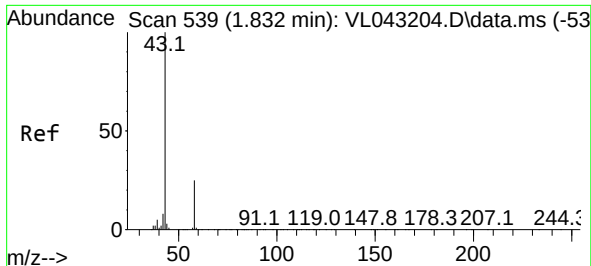
Tgt Ion: 45 Resp: 16875
Ion Ratio Lower Upper
45 100
46 39.3 15.0 59.8



#14
Bromoethene
Concen: 10.756 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 108 Resp: 40850
Ion Ratio Lower Upper
108 100
106 102.4 88.9 133.3
79 20.7 16.5 24.7

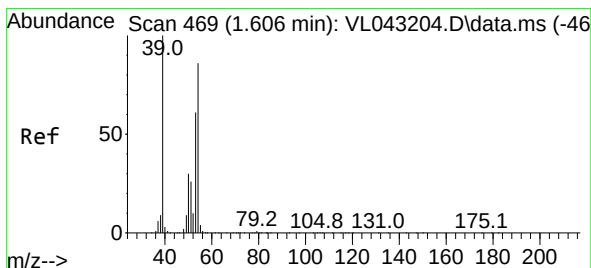
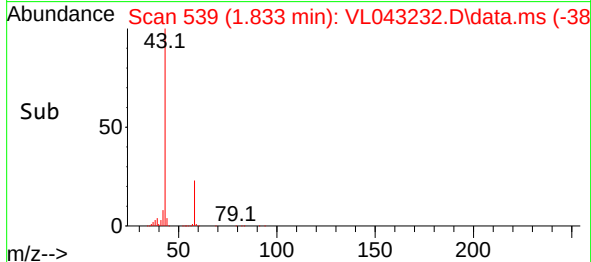
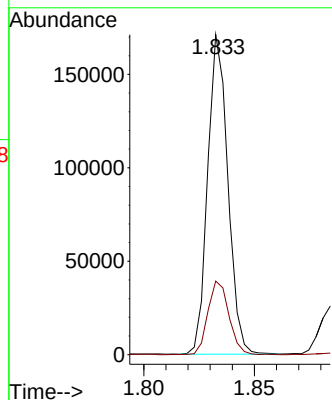
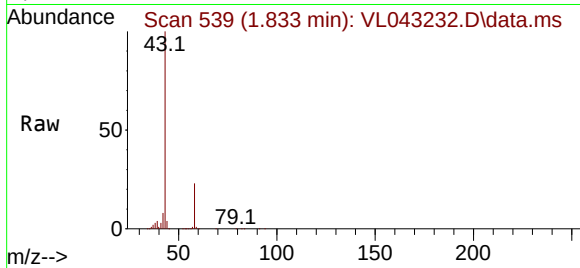




#15
Acetone
Concen: 8.429 ppbv
RT: 1.833 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

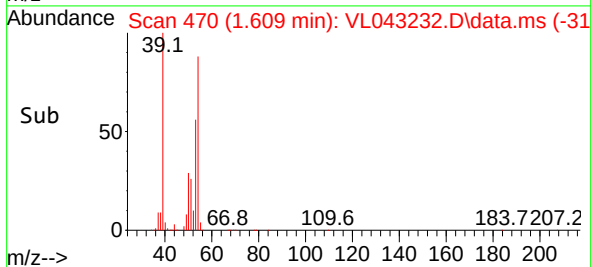
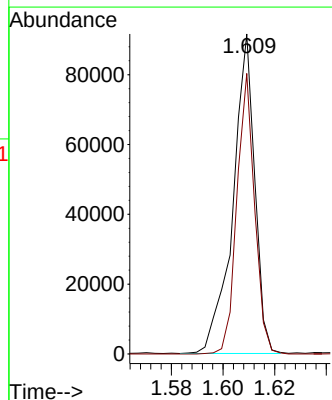
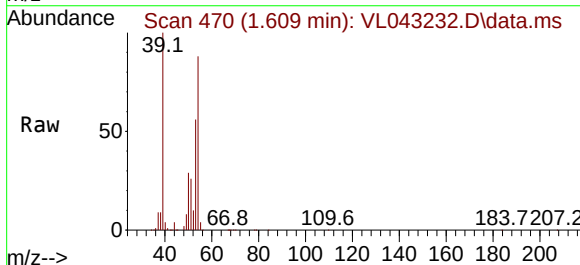
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

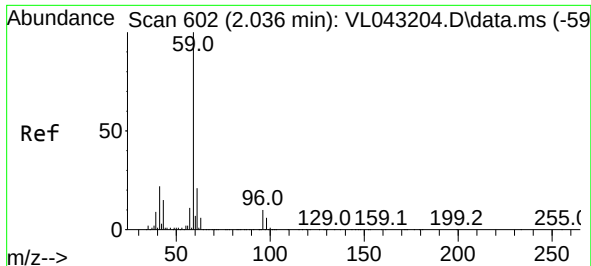
Tgt Ion: 43 Resp: 108749
Ion Ratio Lower Upper
43 100
58 24.1 20.7 31.1



#16
1,3-Butadiene
Concen: 9.384 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 39 Resp: 53970
Ion Ratio Lower Upper
39 100
54 71.2 59.4 89.2





#17

tert-Butyl alcohol

Concen: 10.143 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

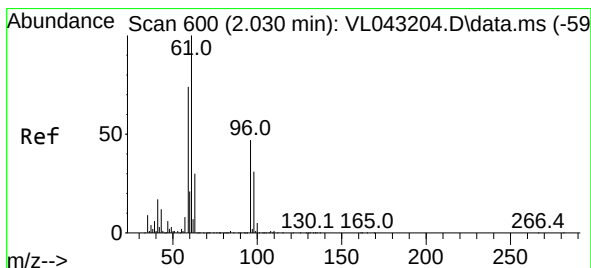
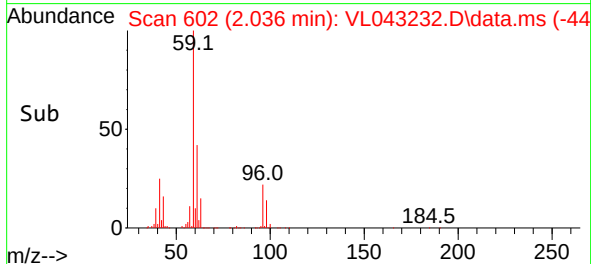
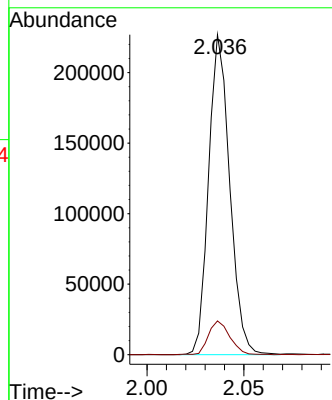
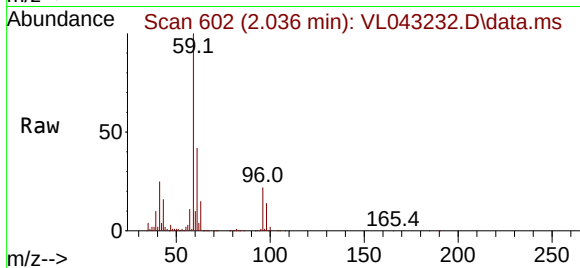
VSTDCCC010

Tgt Ion: 59 Resp: 171765

Ion Ratio Lower Upper

59 100

57 10.8 9.0 13.4



#18

1,1-Dichloroethene

Concen: 10.312 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

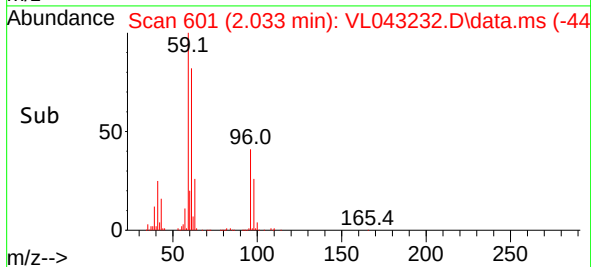
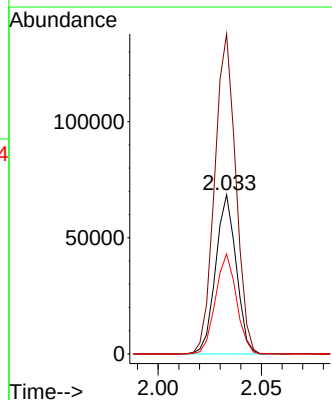
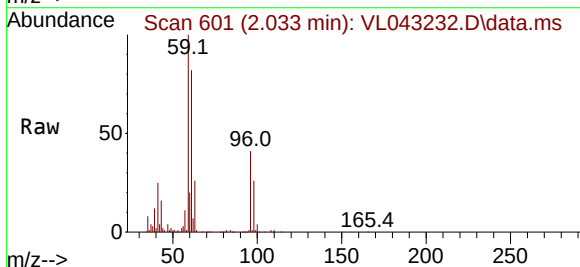
Tgt Ion: 96 Resp: 47565

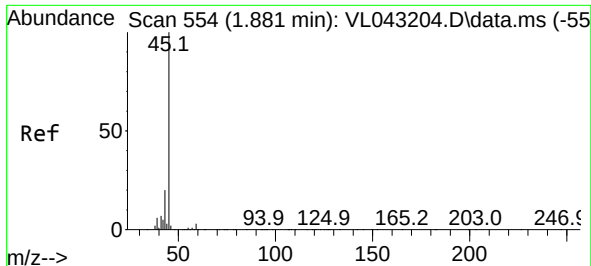
Ion Ratio Lower Upper

96 100

61 201.1 170.6 255.8

98 62.9 52.2 78.4

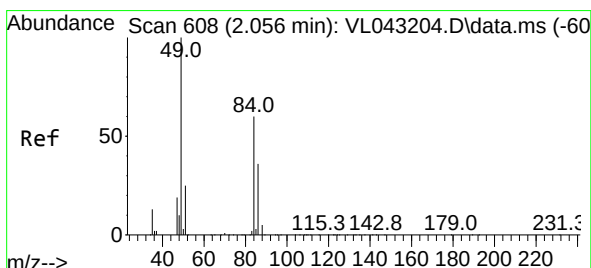
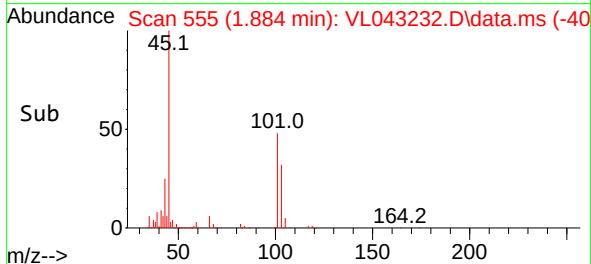
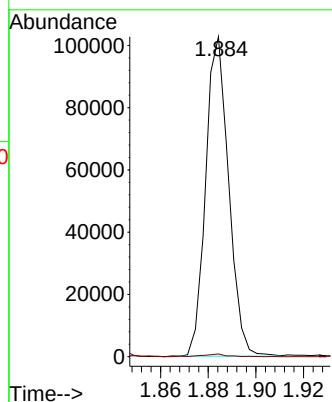
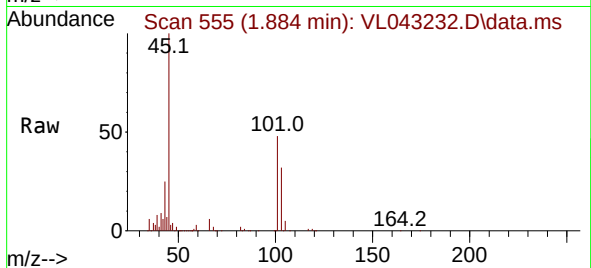




#19
Isopropyl Alcohol
Concen: 9.447 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

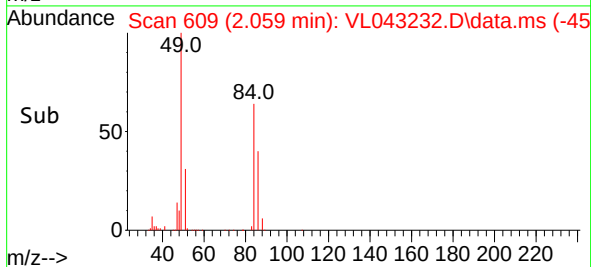
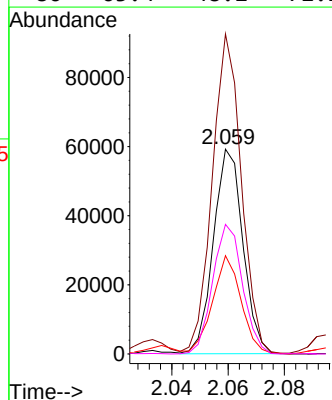
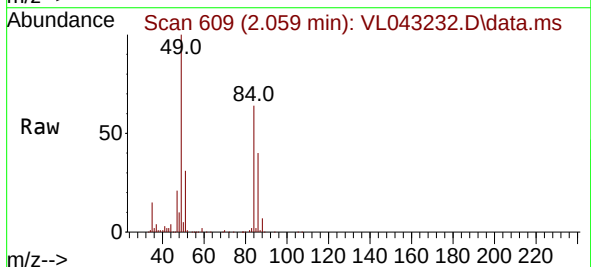
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

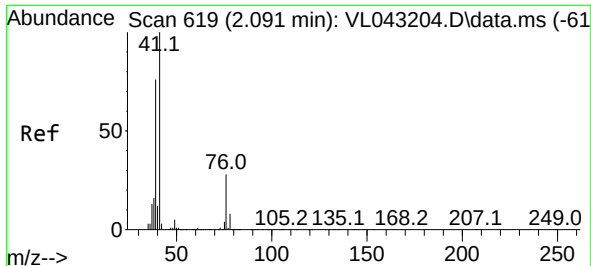
Tgt Ion: 45 Resp: 68870
Ion Ratio Lower Upper
45 100
58 38.1 31.3 46.9



#20
Methylene Chloride
Concen: 11.440 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 84 Resp: 43061
Ion Ratio Lower Upper
84 100
49 156.1 132.9 199.3
51 47.7 34.8 52.2
86 63.4 48.2 72.2

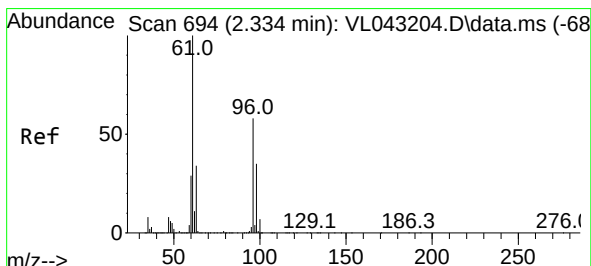
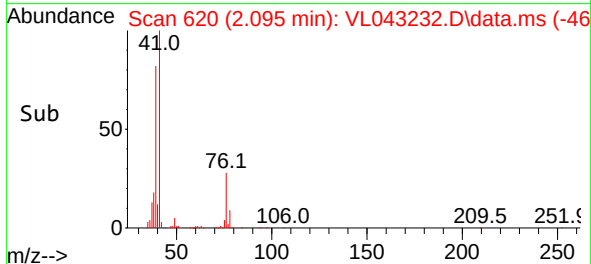
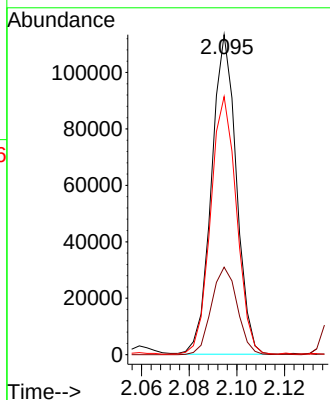
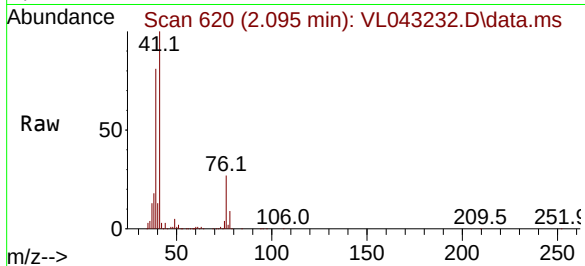




#21
 Allyl Chloride
 Concen: 9.439 ppbv
 RT: 2.095 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

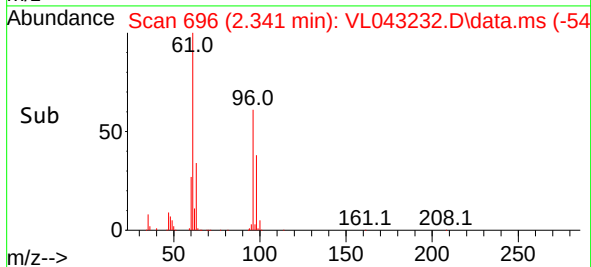
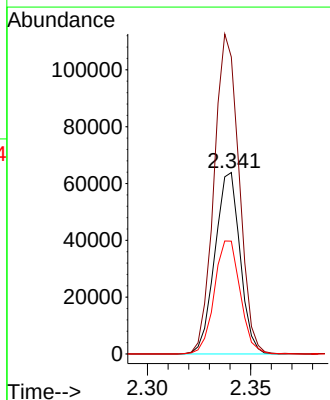
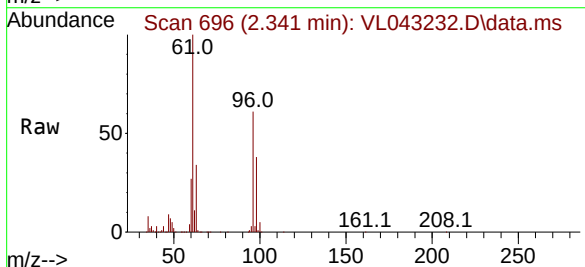
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

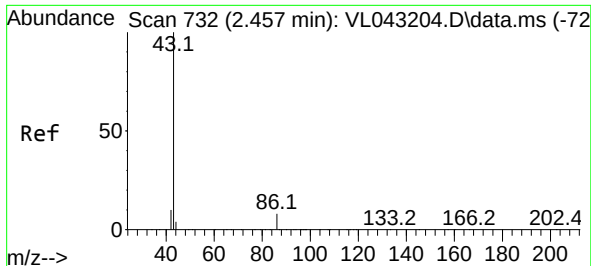
Tgt Ion: 41 Resp: 81929
 Ion Ratio Lower Upper
 41 100
 76 28.5 22.1 33.1
 39 84.2 61.0 91.4



#22
 trans-1,2-Dichloroethene
 Concen: 10.253 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.007 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

Tgt Ion: 96 Resp: 54055
 Ion Ratio Lower Upper
 96 100
 61 163.6 139.0 208.6
 98 62.2 49.4 74.2

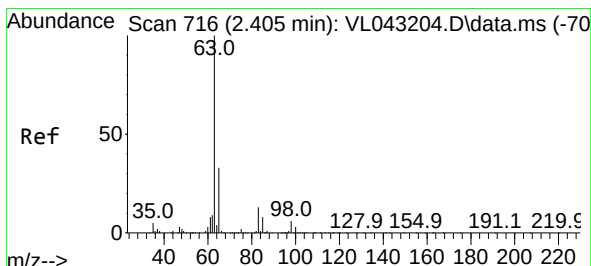
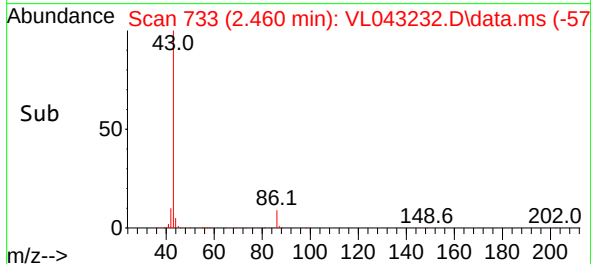
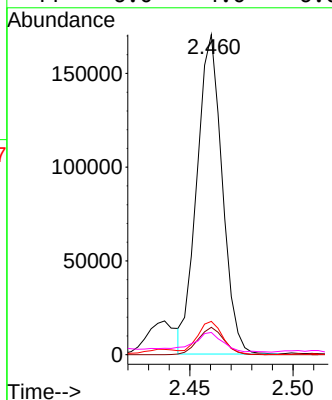
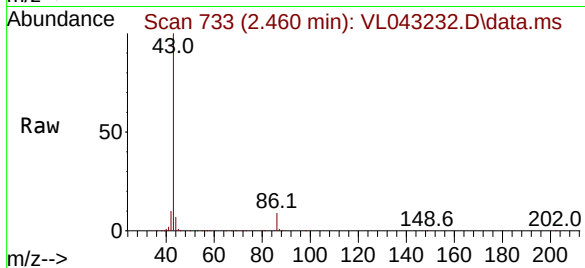




#23
 Vinyl Acetate
 Concen: 9.314 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

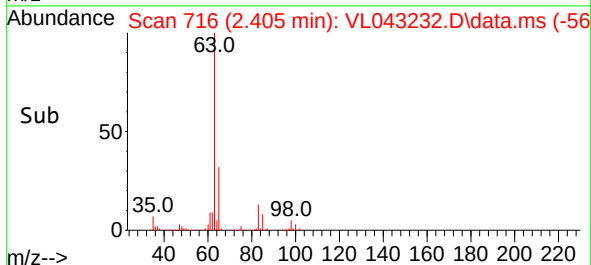
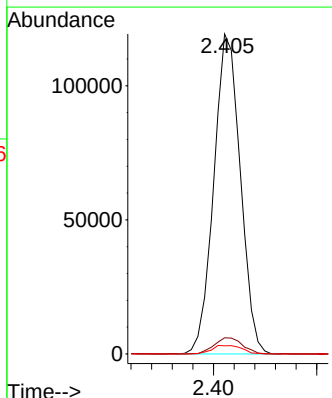
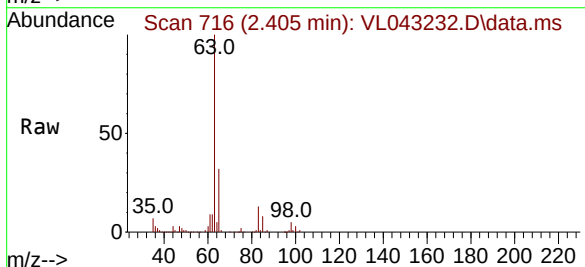
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

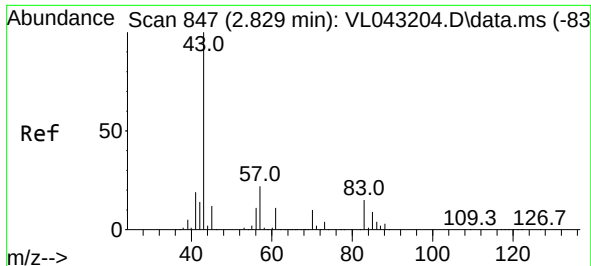
Tgt Ion: 43	Resp: 145062
Ion Ratio	Lower Upper
43 100	
86 8.6	6.2 9.2
42 10.4	8.0 12.0
44 6.0	4.0 6.0



#24
 1,1-Dichloroethane
 Concen: 10.467 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

Tgt Ion: 63	Resp: 106518
Ion Ratio	Lower Upper
63 100	
98 5.1	2.8 8.4
100 2.5	1.3 3.9



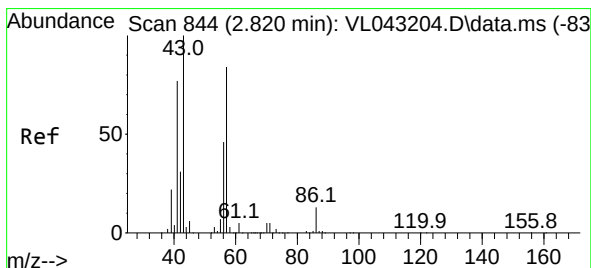
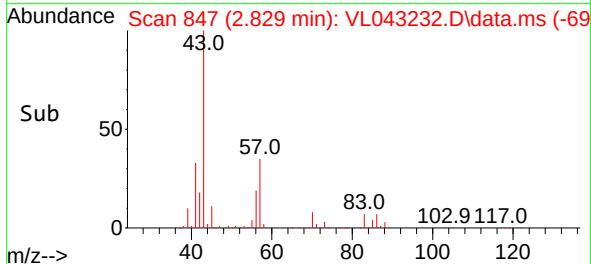
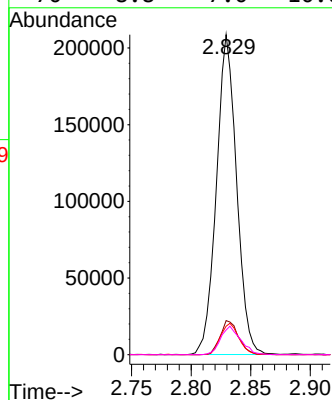
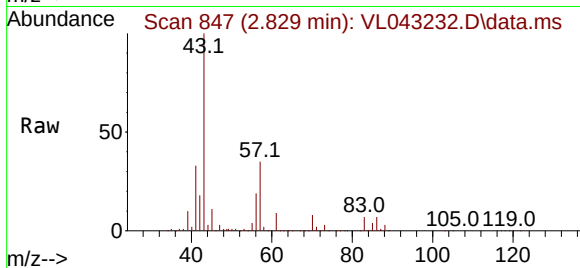


#25
Ethyl Acetate
Concen: 8.821 ppbv
RT: 2.829 min Scan# 847
Delta R.T. 0.000 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 245441

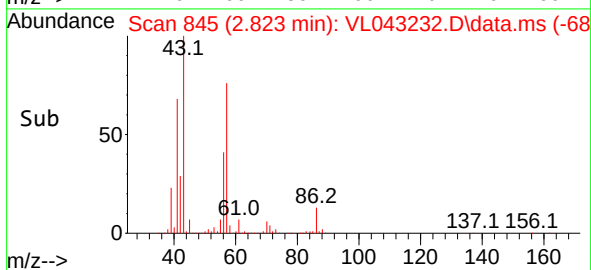
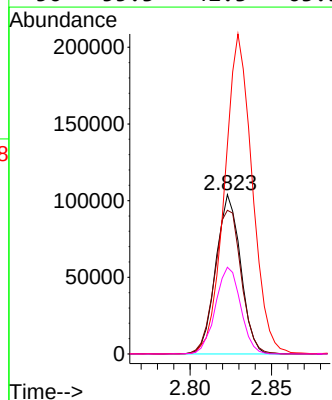
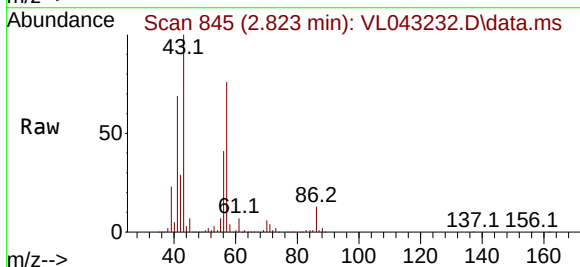
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.1	12.1
61	9.0	7.0	10.4
70	8.8	7.0	10.6

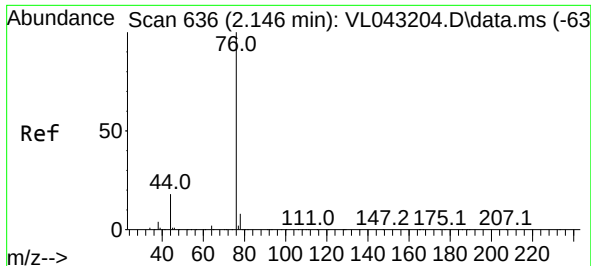


#26
Hexane
Concen: 8.986 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 57 Resp: 109619

Ion	Ratio	Lower	Upper
57	100		
41	97.5	74.6	111.8
43	225.2	179.0	268.4
56	55.3	42.3	63.5

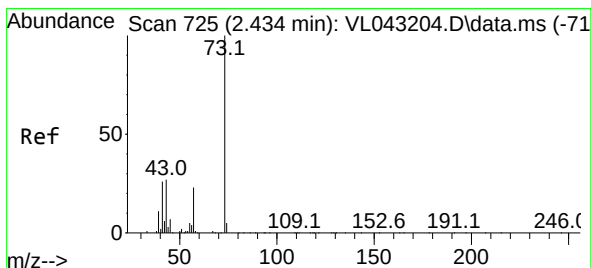
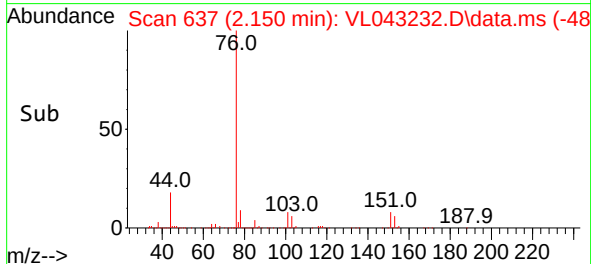
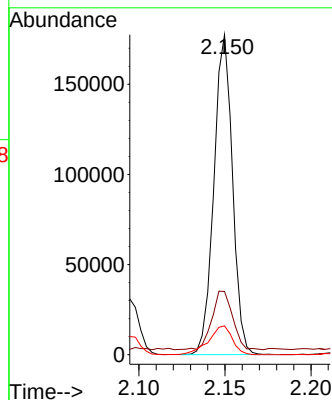
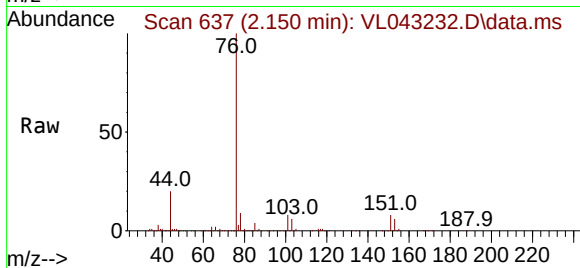




#27
Carbon Disulfide
Concen: 10.687 ppbv
RT: 2.150 min Scan# 61
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

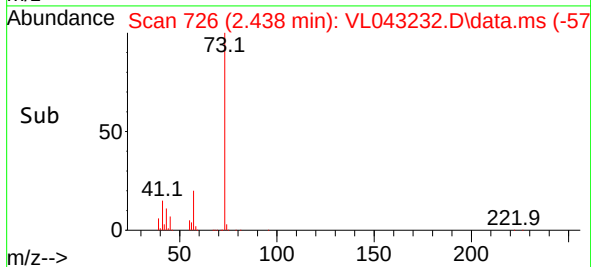
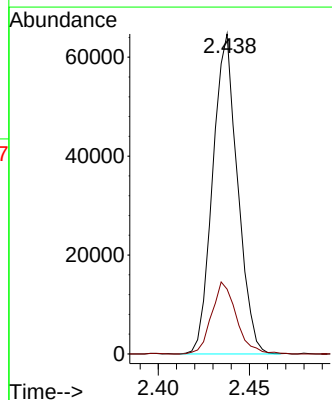
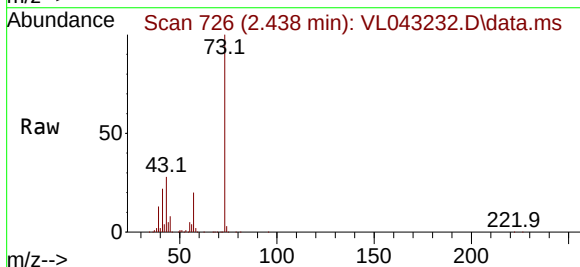
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

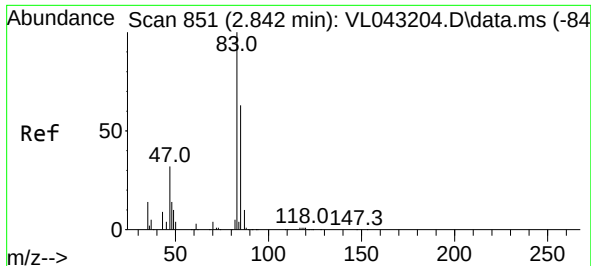
Tgt Ion: 76 Resp: 133103
Ion Ratio Lower Upper
76 100
44 20.4 16.1 24.1
78 11.5 9.6 14.4



#28
Methyl tert-Butyl Ether
Concen: 10.265 ppbv
RT: 2.438 min Scan# 726
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 73 Resp: 61465
Ion Ratio Lower Upper
73 100
57 22.6 19.8 29.8

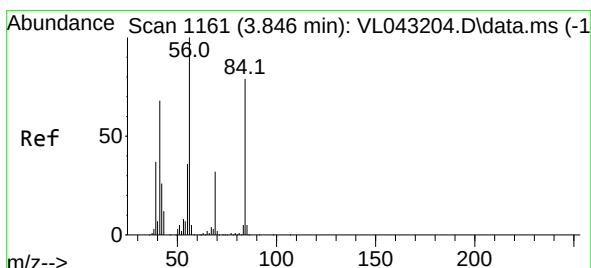
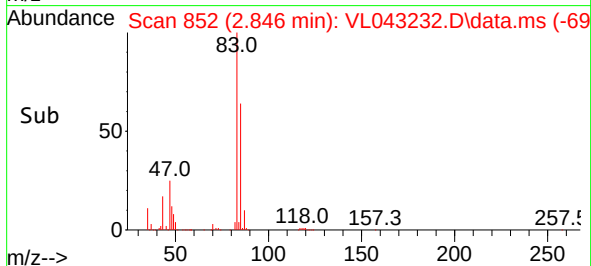
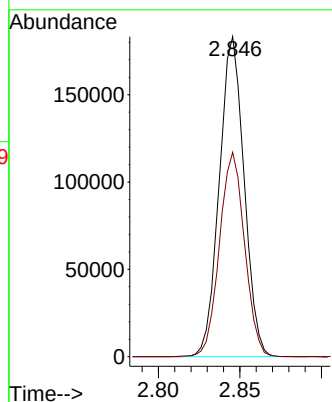
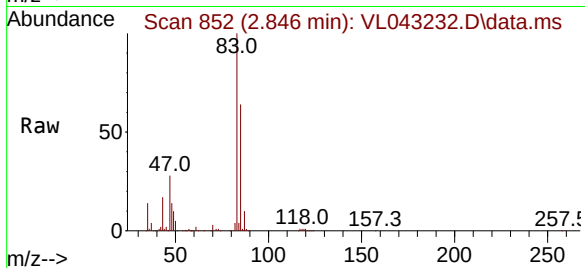




#29
Chloroform
Concen: 11.166 ppbv
RT: 2.846 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

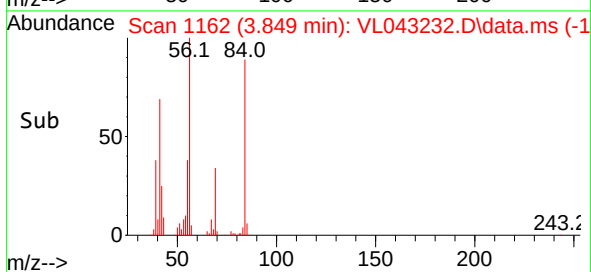
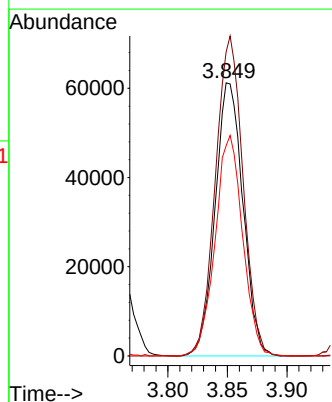
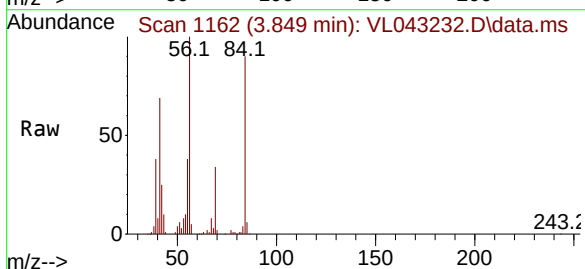
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

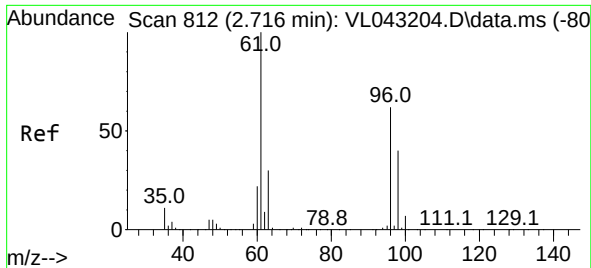
Tgt Ion: 83 Resp: 193620
Ion Ratio Lower Upper
83 100
85 63.8 50.5 75.7



#30
Cyclohexane
Concen: 9.707 ppbv
RT: 3.849 min Scan# 1162
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 84 Resp: 99278
Ion Ratio Lower Upper
84 100
56 116.2 104.7 157.1
41 79.9 69.0 103.6

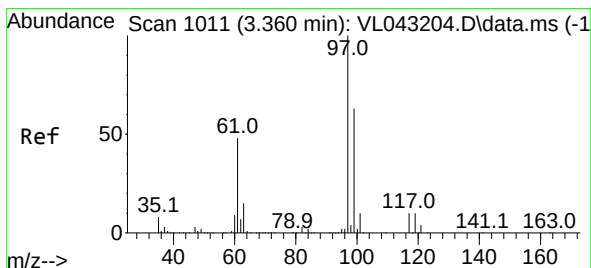
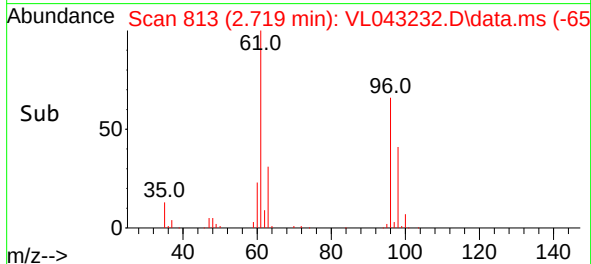
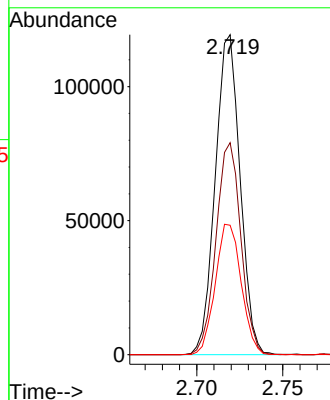
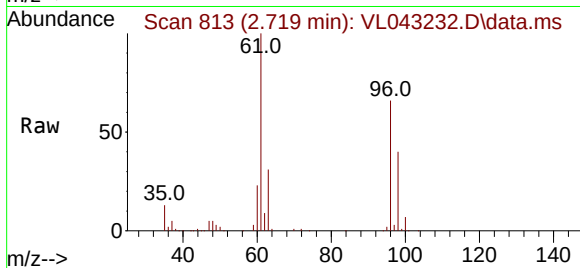




#31
 cis-1,2-Dichloroethene
 Concen: 9.907 ppbv
 RT: 2.719 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

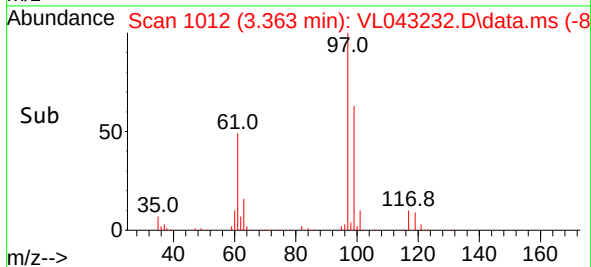
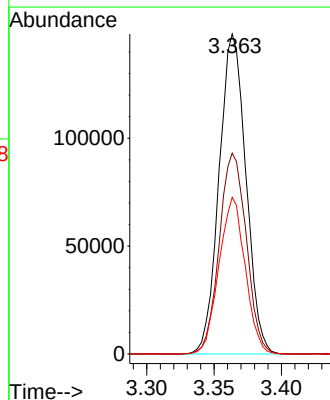
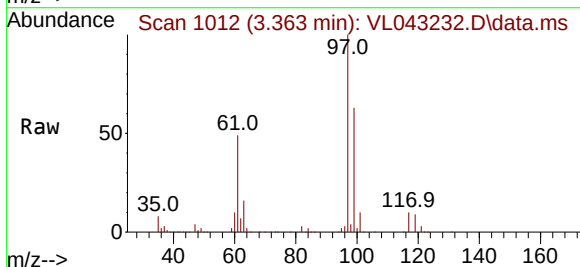
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

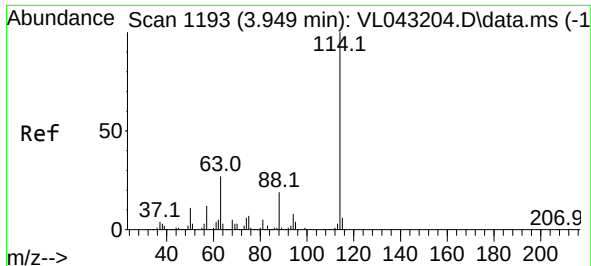
Tgt Ion: 61 Resp: 120121
 Ion Ratio Lower Upper
 61 100
 96 66.2 49.3 73.9
 98 40.4 32.1 48.1



#32
 1,1,1-Trichloroethane
 Concen: 11.112 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

Tgt Ion: 97 Resp: 205379
 Ion Ratio Lower Upper
 97 100
 99 63.4 50.3 75.5
 61 48.0 38.9 58.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.953 min Scan# 1193

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

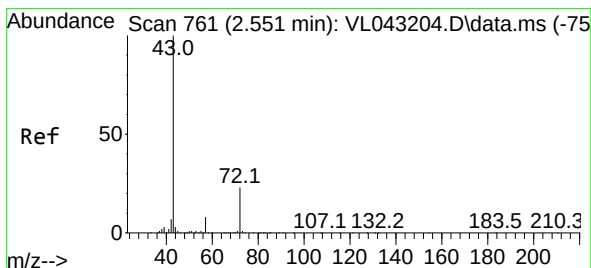
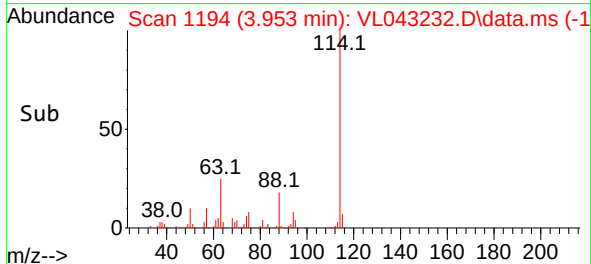
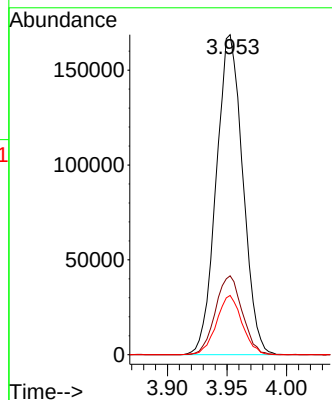
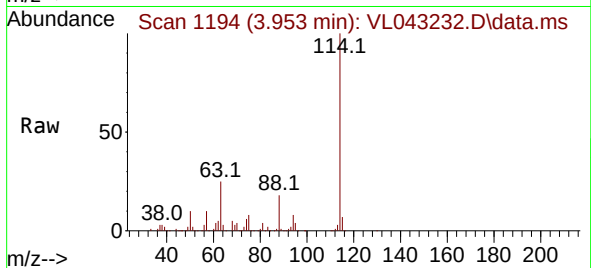
Tgt Ion:114 Resp: 261062

Ion Ratio Lower Upper

114 100

63 24.9 21.0 31.6

88 17.8 14.9 22.3



#34

2-Butanone

Concen: 8.659 ppbv

RT: 2.551 min Scan# 761

Delta R.T. 0.000 min

Lab File: VL043232.D

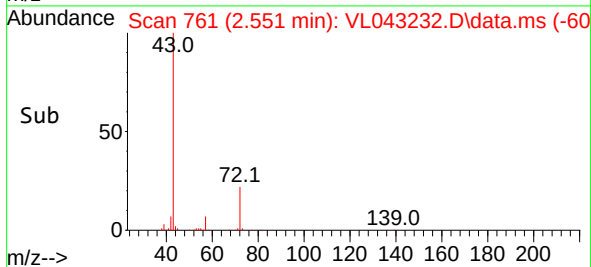
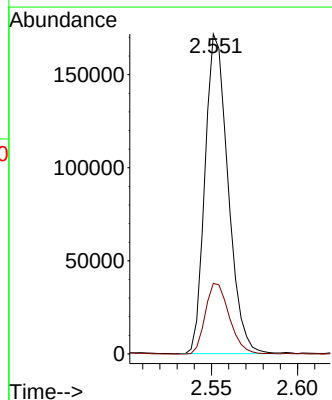
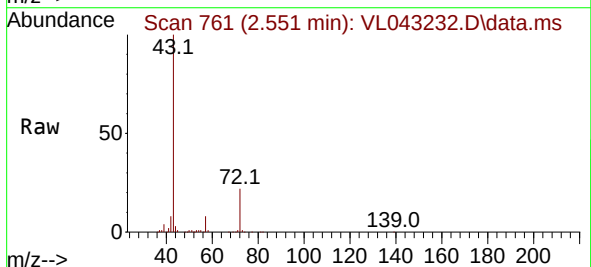
Acq: 19 Nov 2025 09:31

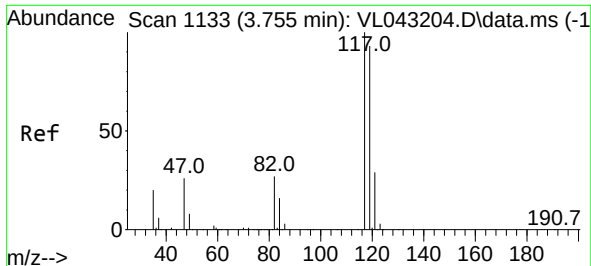
Tgt Ion: 43 Resp: 159571

Ion Ratio Lower Upper

43 100

72 23.0 18.1 27.1

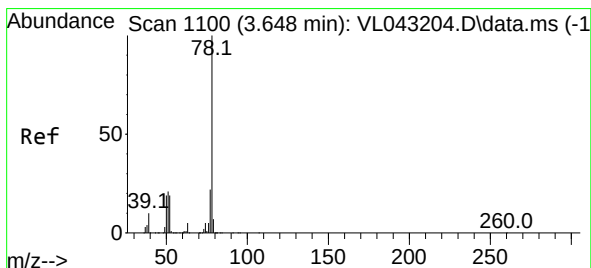
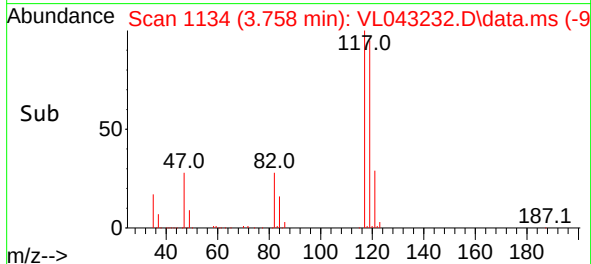
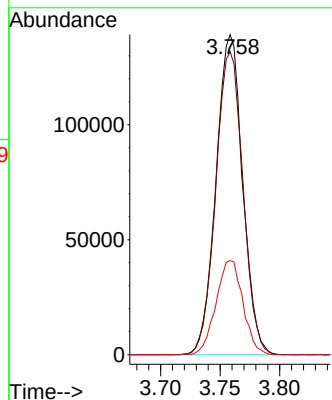
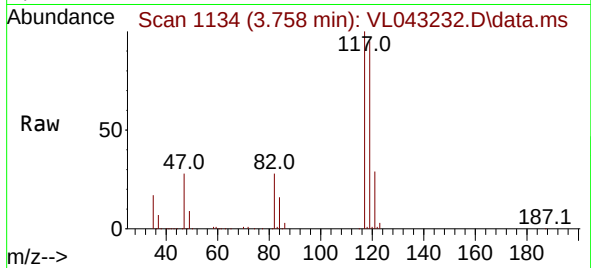




#35
Carbon Tetrachloride
Concen: 10.900 ppbv
RT: 3.758 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

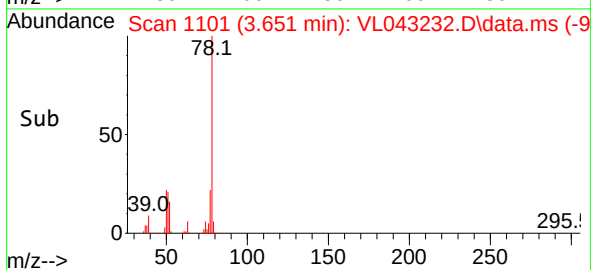
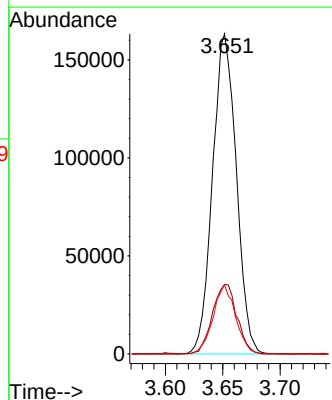
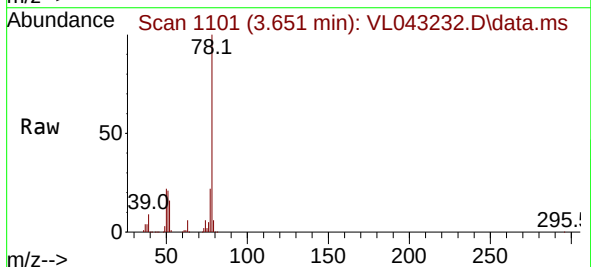
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

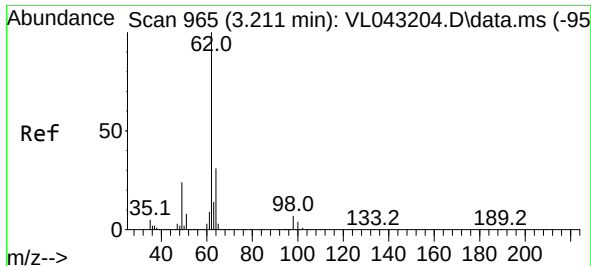
Tgt Ion:117 Resp: 215989
Ion Ratio Lower Upper
117 100
119 94.7 74.6 112.0
121 29.4 23.2 34.8



#36
Benzene
Concen: 9.400 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 78 Resp: 235020
Ion Ratio Lower Upper
78 100
77 21.7 17.5 26.3
50 21.7 15.5 23.3

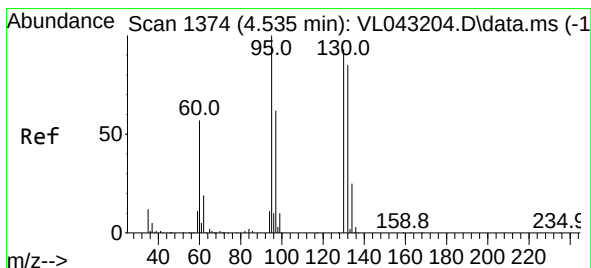
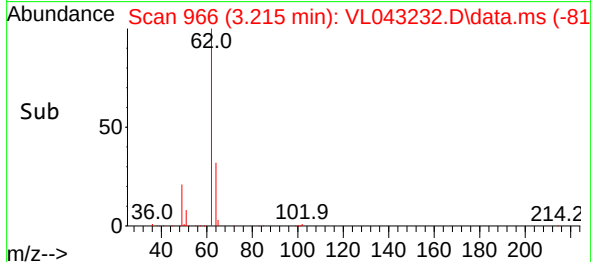
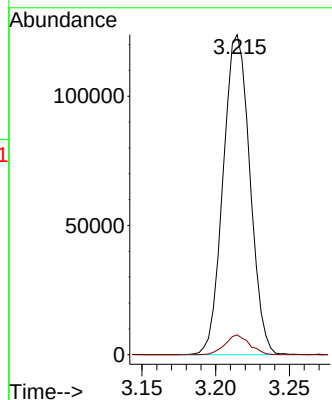
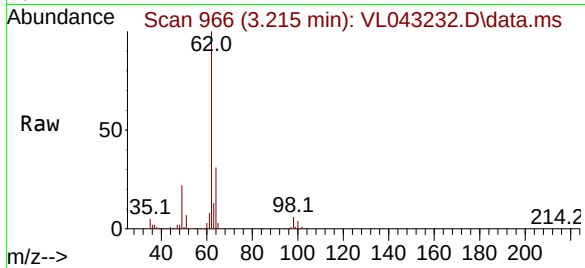




#37
1,2-Dichloroethane
Concen: 10.672 ppbv
RT: 3.215 min Scan# 965
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

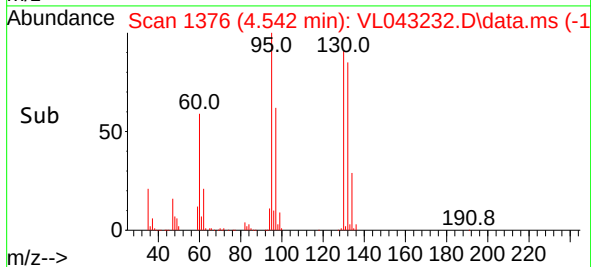
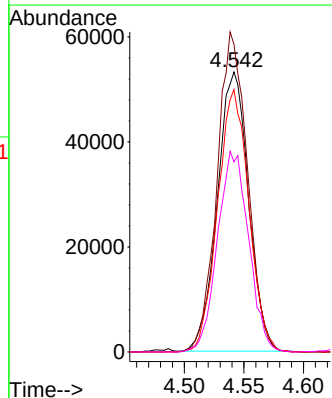
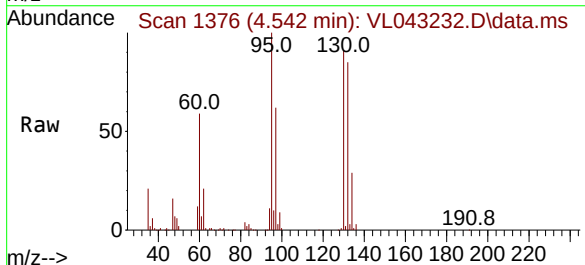
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

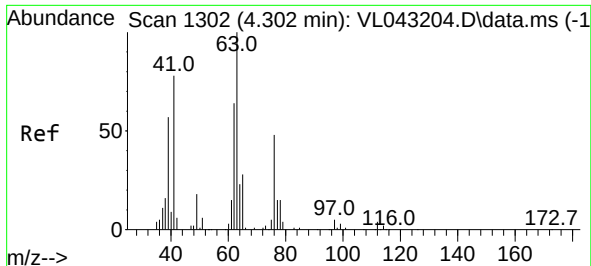
Tgt Ion: 62 Resp: 156071
Ion Ratio Lower Upper
62 100
98 5.7 5.5 8.3



#38
Trichloroethene
Concen: 9.902 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. 0.007 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion:130 Resp: 96860
Ion Ratio Lower Upper
130 100
95 110.1 85.7 128.5
132 93.7 73.4 110.0
97 68.1 52.7 79.1





#39

1,2-Dichloropropane

Concen: 8.891 ppbv

RT: 4.305 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

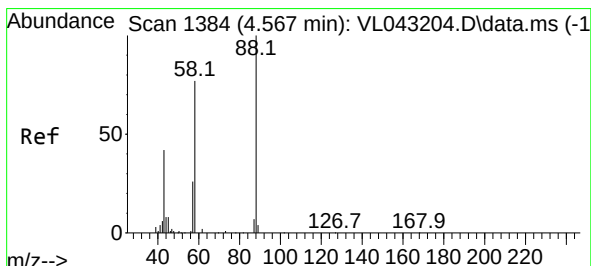
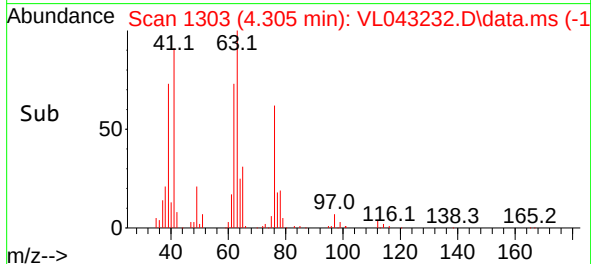
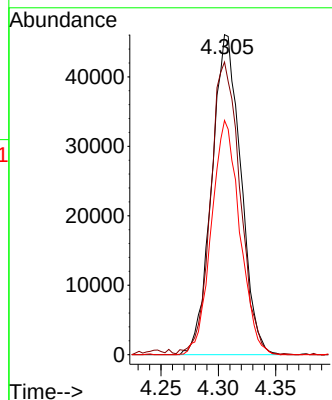
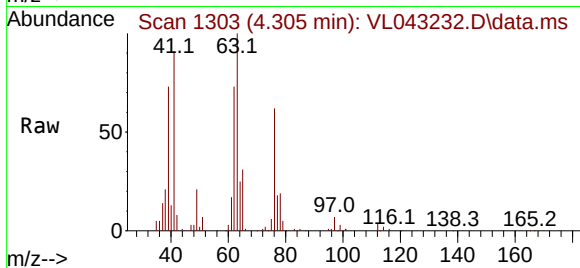
Tgt Ion: 63 Resp: 81356

Ion Ratio Lower Upper

63 100

41 91.0 62.6 93.8

62 73.2 51.0 76.6



#40

1,4-Dioxane

Concen: 8.983 ppbv

RT: 4.571 min Scan# 1385

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Tgt Ion: 88 Resp: 36952

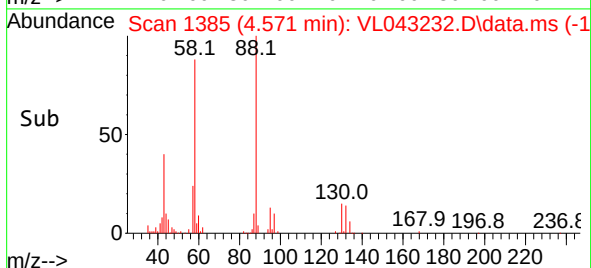
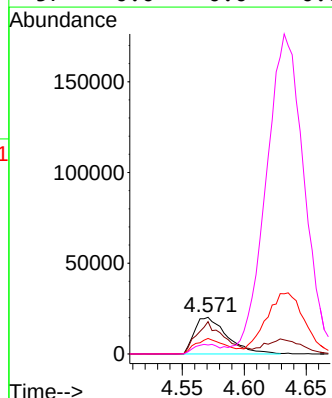
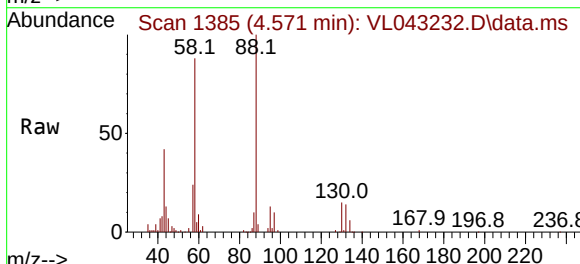
Ion Ratio Lower Upper

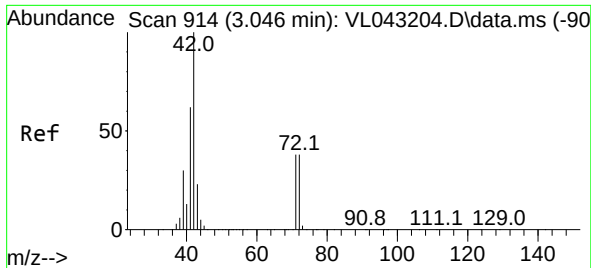
88 100

58 76.6 63.0 94.6

43 39.9 32.5 48.7

57 0.0 0.0 0.0

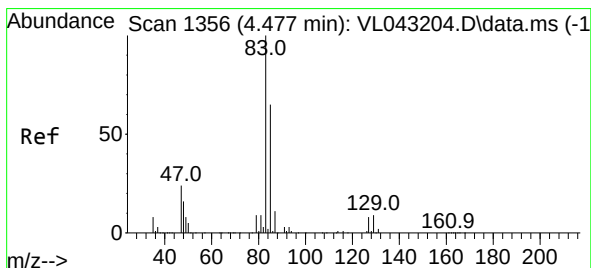
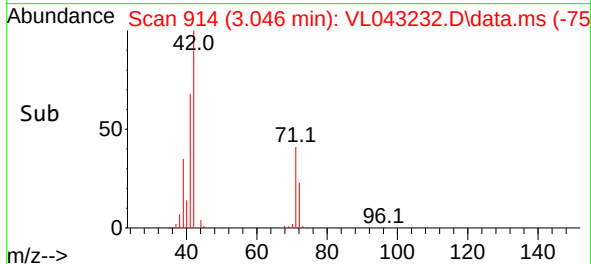
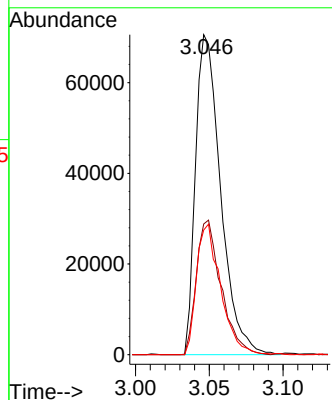
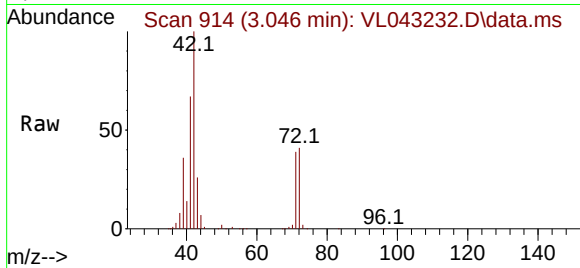




#41
Tetrahydrofuran
Concen: 8.223 ppbv
RT: 3.046 min Scan# 914
Delta R.T. 0.000 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

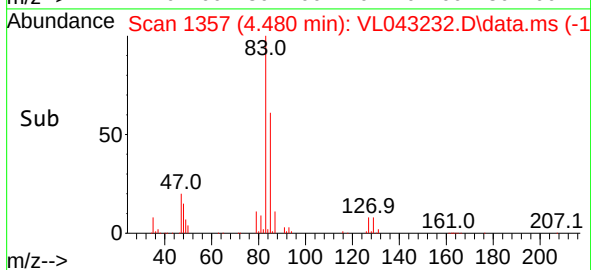
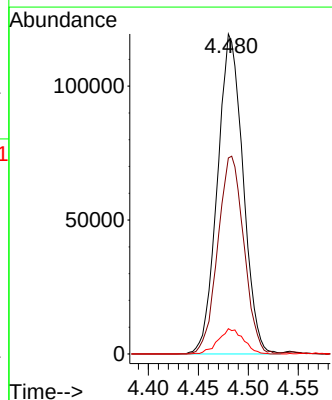
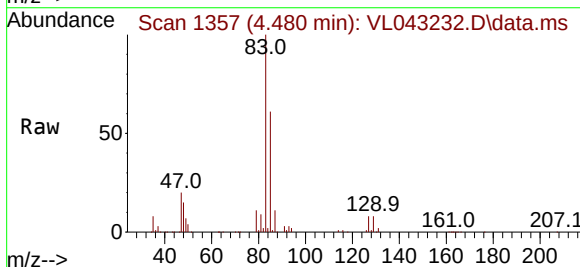
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

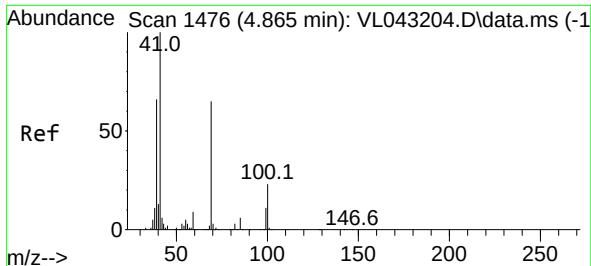
Tgt Ion:	42	Resp:	83683
Ion	Ratio	Lower	Upper
42	100		
72	41.6	30.6	46.0
71	39.3	30.5	45.7



#42
Bromodichloromethane
Concen: 10.549 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion:	83	Resp:	212816
Ion	Ratio	Lower	Upper
83	100		
85	61.2	51.7	77.5
127	7.9	6.3	9.5

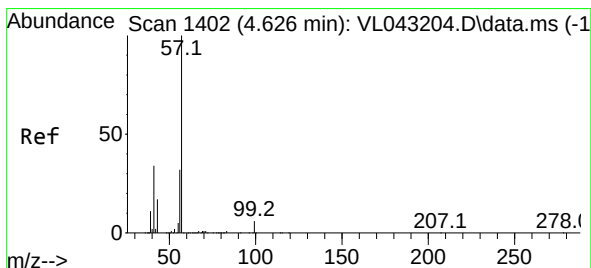
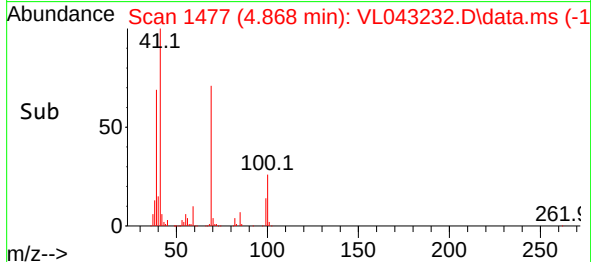
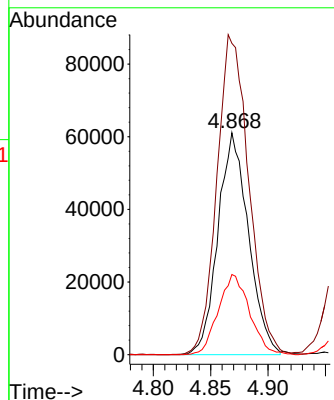
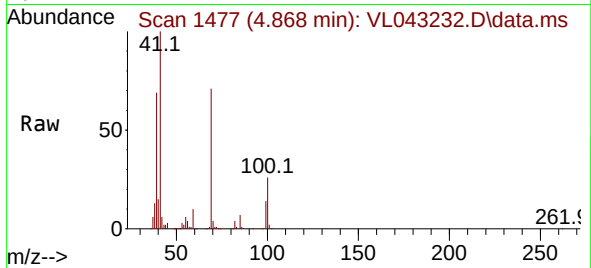




#43
Methyl Methacrylate
Concen: 8.514 ppbv
RT: 4.868 min Scan# 1476
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

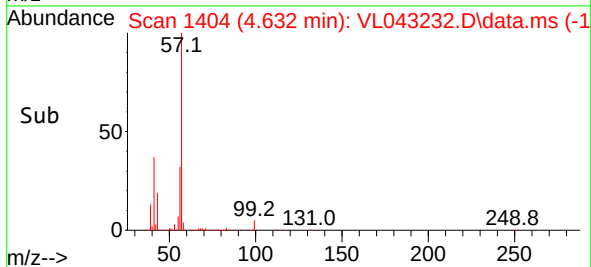
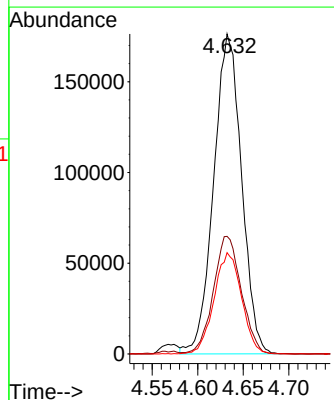
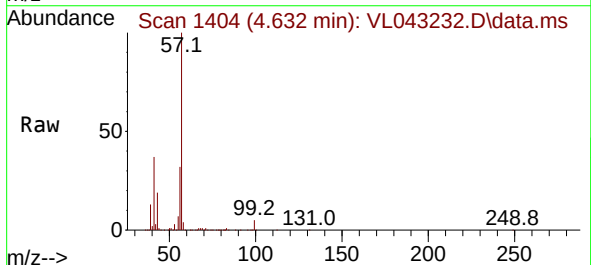
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

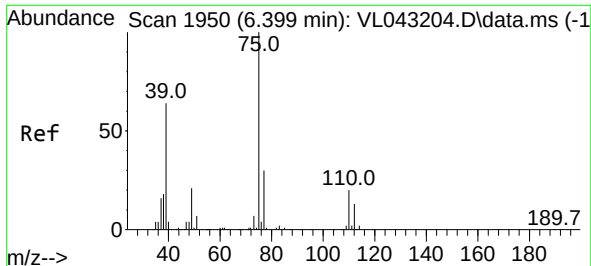
Tgt Ion: 69 Resp: 112985
Ion Ratio Lower Upper
69 100
41 150.6 126.7 190.1
100 37.0 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 8.730 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. 0.007 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 57 Resp: 374848
Ion Ratio Lower Upper
57 100
41 37.7 28.0 42.0
56 31.3 25.6 38.4

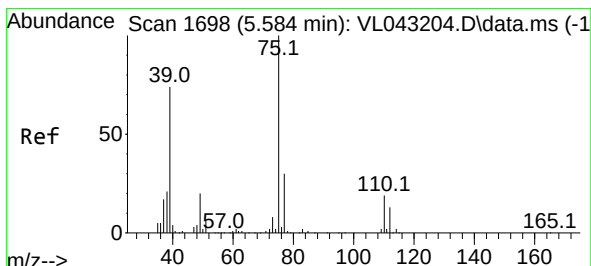
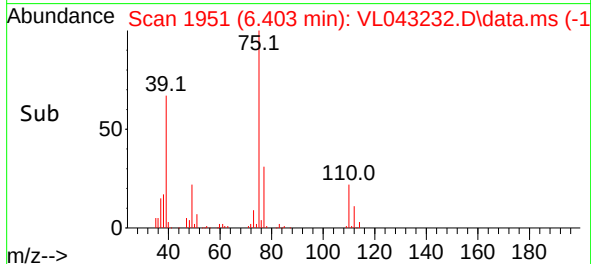
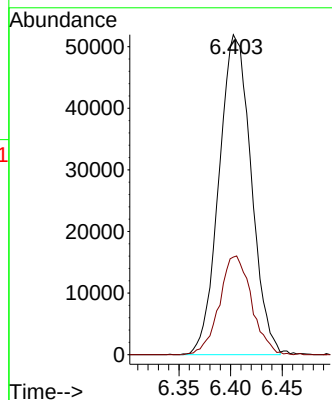
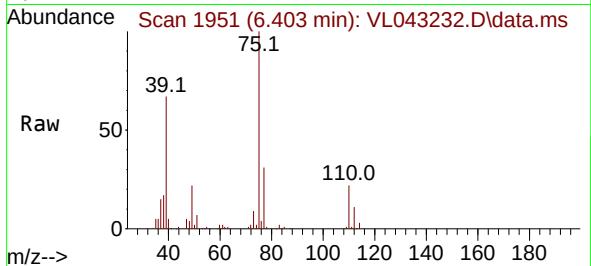




#45
 t-1,3-Dichloropropene
 Concen: 9.111 ppbv
 RT: 6.403 min Scan# 1950
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

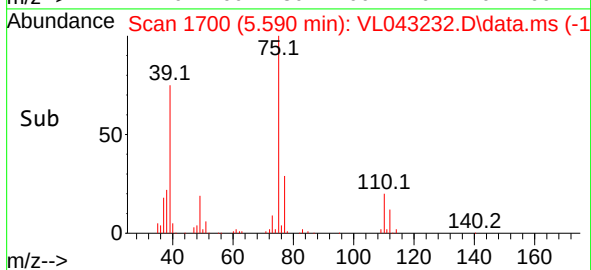
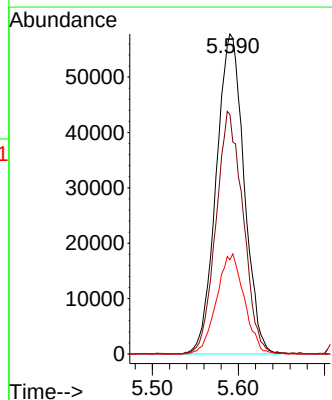
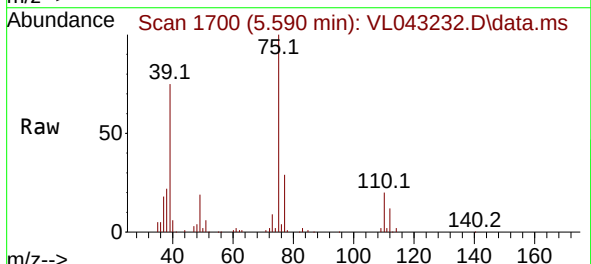
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

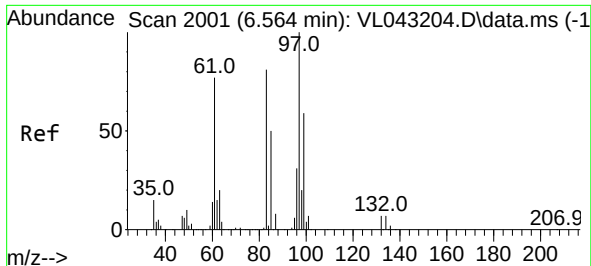
Tgt Ion: 75 Resp: 112704
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.3 36.5



#46
 cis-1,3-Dichloropropene
 Concen: 8.947 ppbv
 RT: 5.590 min Scan# 1700
 Delta R.T. 0.007 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

Tgt Ion: 75 Resp: 129954
 Ion Ratio Lower Upper
 75 100
 39 74.8 59.1 88.7
 77 29.4 24.2 36.2

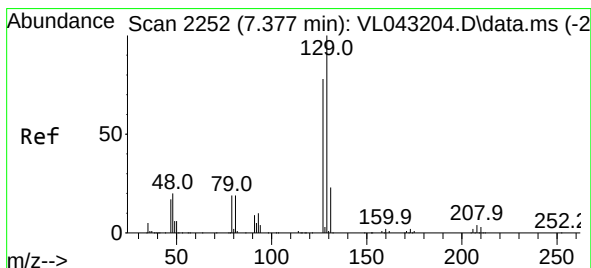
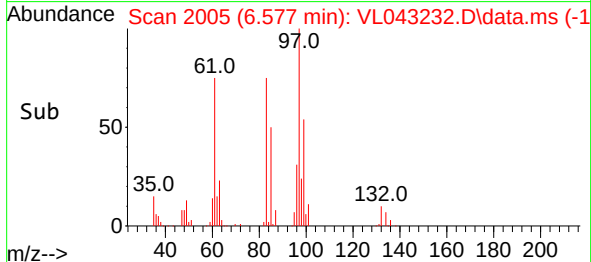
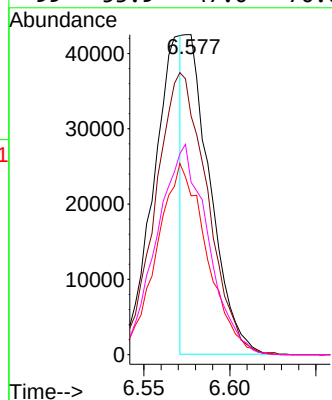
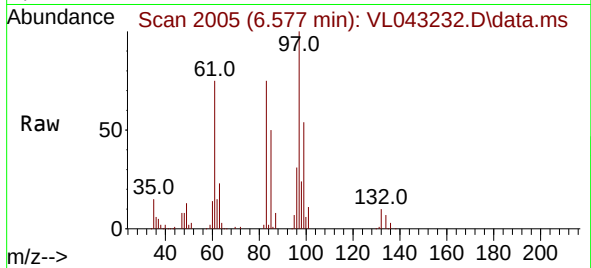




#47
1,1,2-Trichloroethane
Concen: 4.711 ppbv
RT: 6.577 min Scan# 2005
Delta R.T. 0.013 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

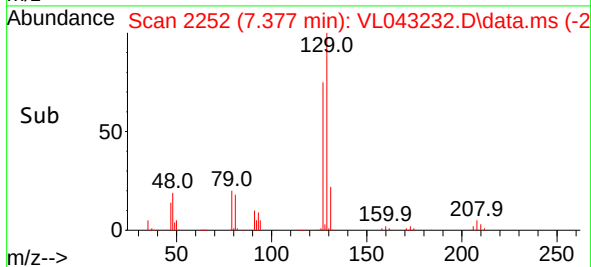
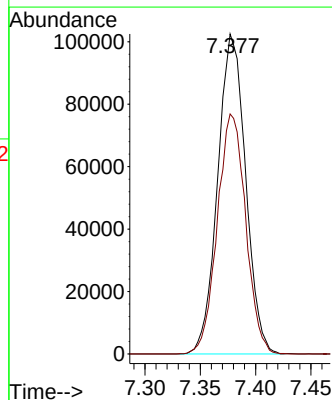
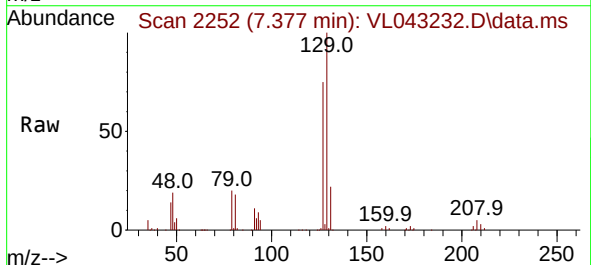
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

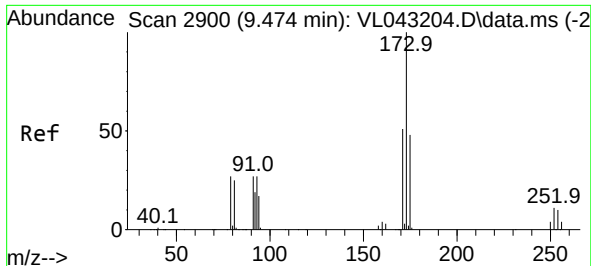
Tgt Ion:	97	Resp:	45748
Ion	Ratio	Lower	Upper
97	100		
83	74.7	64.6	97.0
85	49.7	39.4	59.2
99	53.9	47.0	70.6



#48
Dibromochloromethane
Concen: 10.778 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. 0.000 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion:	129	Resp:	179951
Ion	Ratio	Lower	Upper
129	100		
127	76.2	39.3	117.9

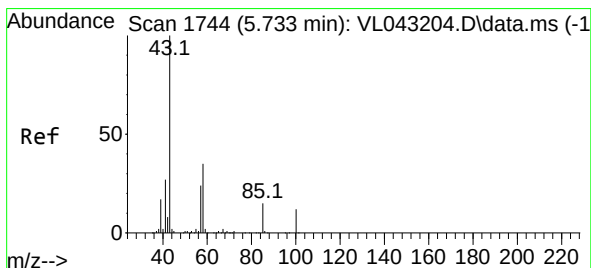
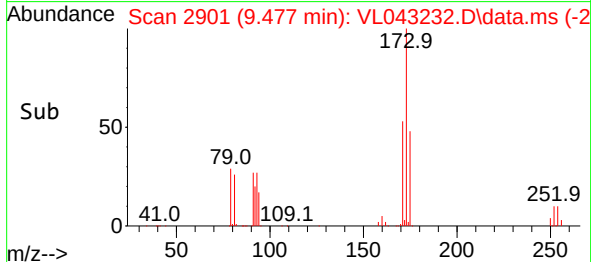
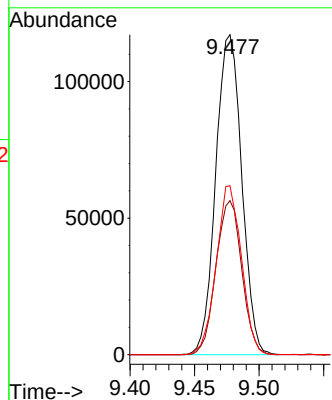
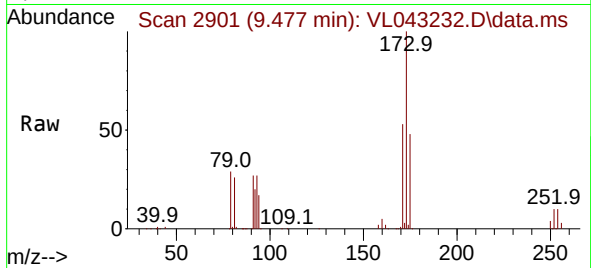




#49
Bromoform
Concen: 11.110 ppbv
RT: 9.477 min Scan# 2900
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

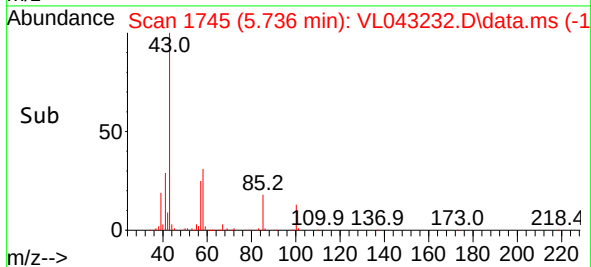
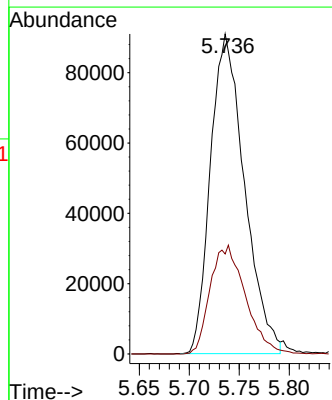
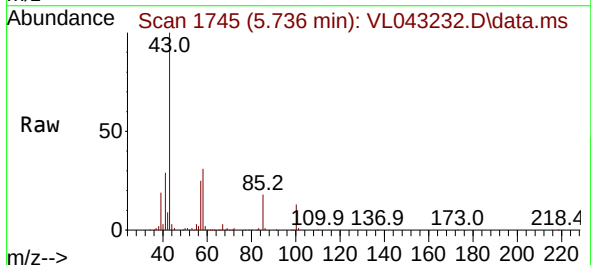
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

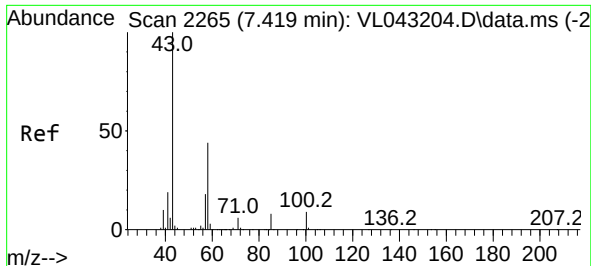
Tgt Ion:173 Resp: 164309
Ion Ratio Lower Upper
173 100
175 47.8 38.6 58.0
171 51.2 40.6 61.0



#50
4-Methyl-2-Pentanone
Concen: 8.290 ppbv
RT: 5.736 min Scan# 1745
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 43 Resp: 215210
Ion Ratio Lower Upper
43 100
58 35.3 28.4 42.6

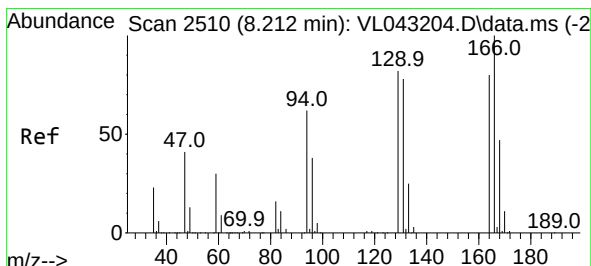
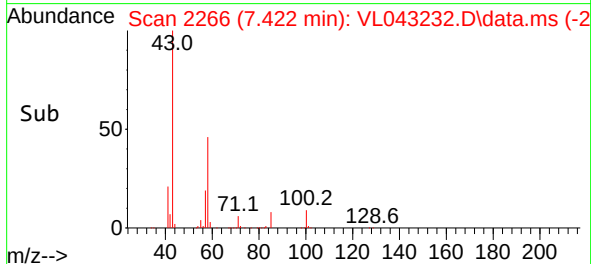
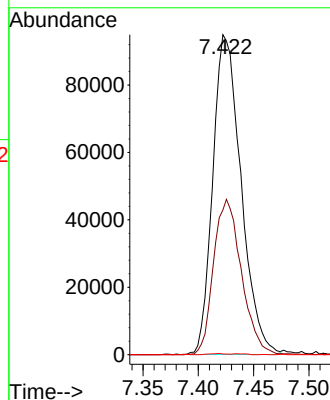
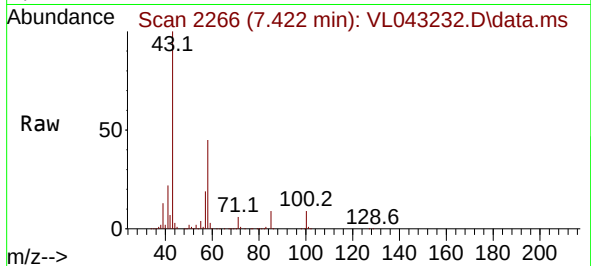




#51
2-Hexanone
Concen: 8.339 ppbv
RT: 7.422 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

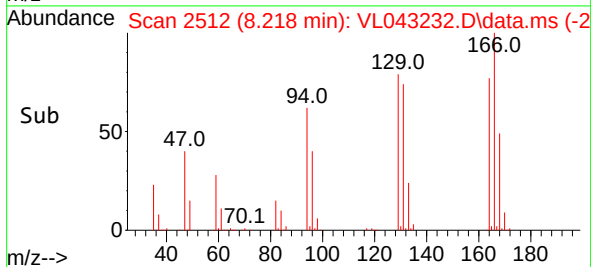
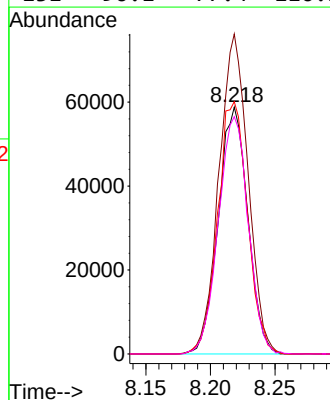
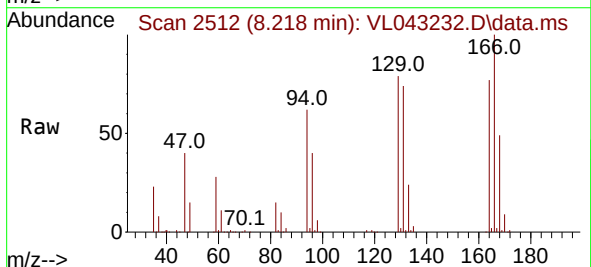
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

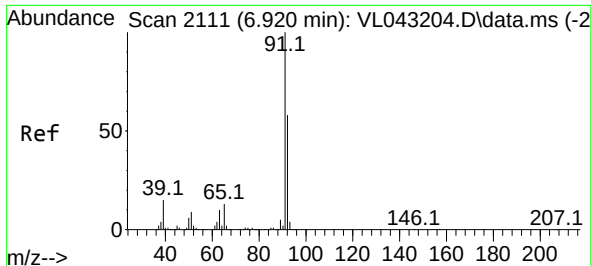
Tgt Ion: 43 Resp: 168100
Ion Ratio Lower Upper
43 100
58 48.2 38.4 57.6
98 0.4 0.0 0.0#



#52
Tetrachloroethene
Concen: 10.048 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. 0.007 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 164 Resp: 93448
Ion Ratio Lower Upper
164 100
166 129.5 99.4 149.2
129 102.2 81.8 122.8
131 96.1 77.4 116.2

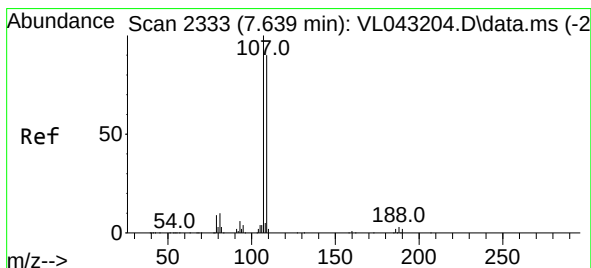
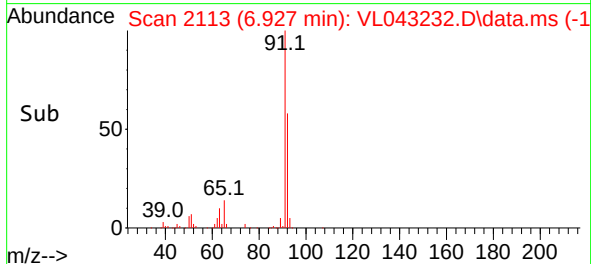
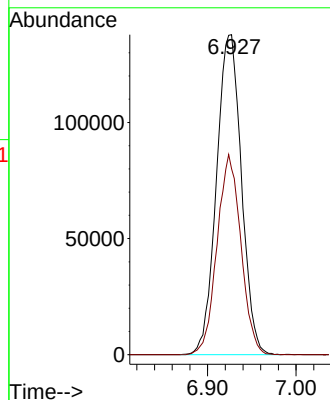
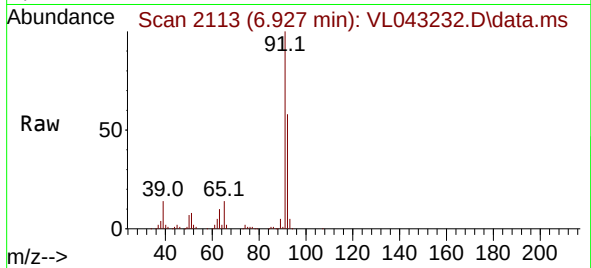




#53
Toluene
Concen: 9.125 ppbv
RT: 6.927 min Scan# 2111
Delta R.T. 0.007 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

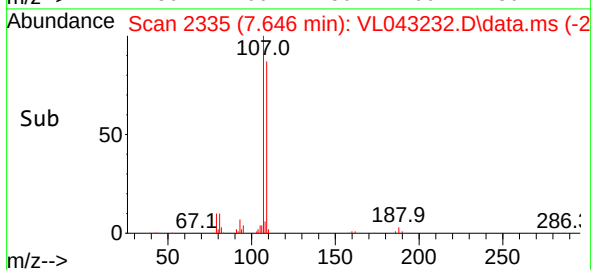
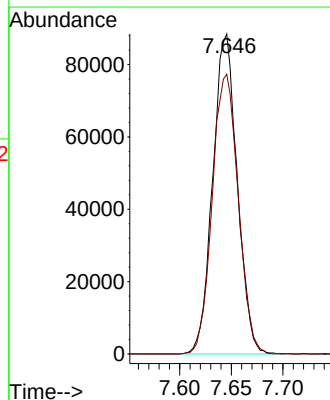
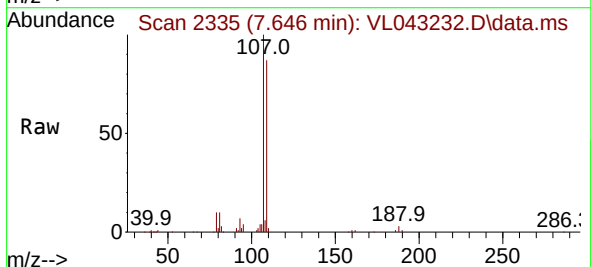
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

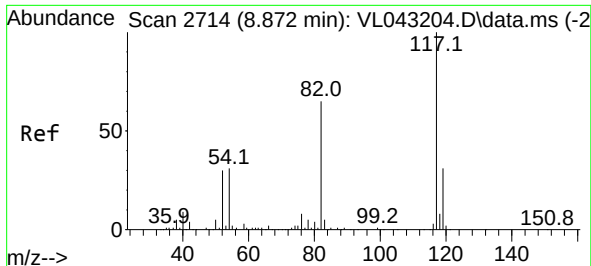
Tgt Ion: 91 Resp: 270136
Ion Ratio Lower Upper
91 100
92 59.7 47.4 71.0



#54
1,2-Dibromoethane
Concen: 10.221 ppbv
RT: 7.646 min Scan# 2335
Delta R.T. 0.007 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 107 Resp: 146059
Ion Ratio Lower Upper
107 100
109 87.4 72.1 108.1

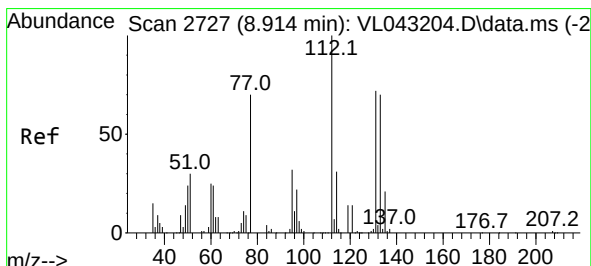
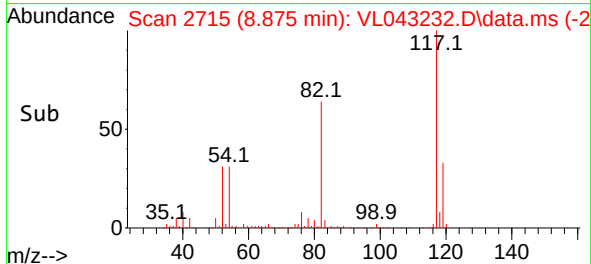
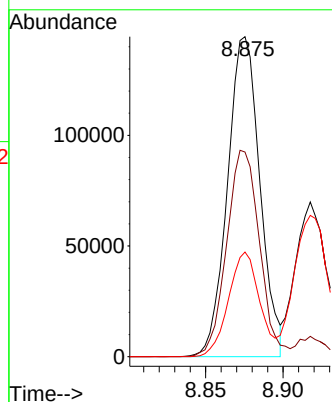
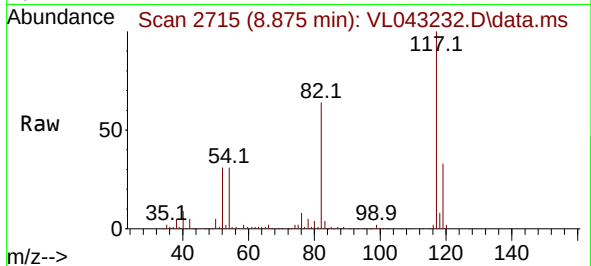




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

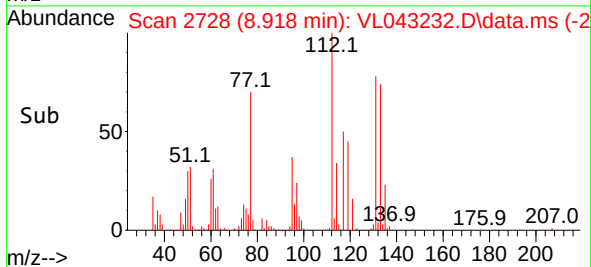
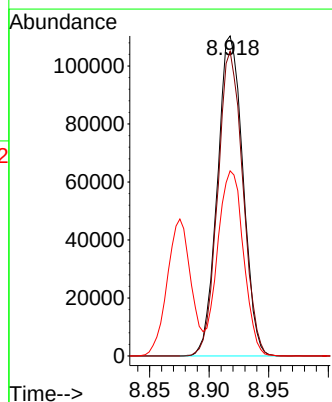
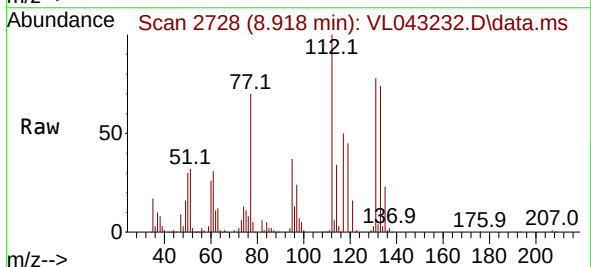
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

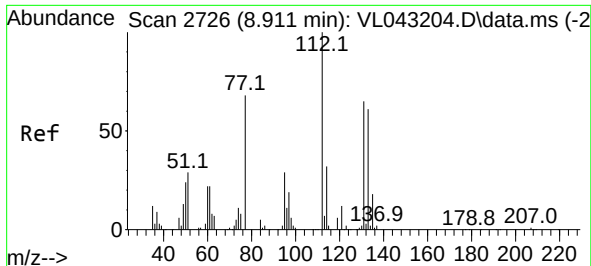
Tgt Ion:117 Resp: 210840
Ion Ratio Lower Upper
117 100
82 70.5 56.1 84.1
119 31.3 25.0 37.6



#56
1,1,1,2-Tetrachloroethane
Concen: 10.618 ppbv
RT: 8.918 min Scan# 2728
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion:131 Resp: 164526
Ion Ratio Lower Upper
131 100
133 93.6 77.4 116.2
119 59.6 49.1 73.7

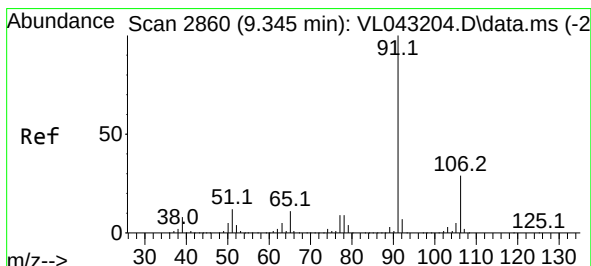
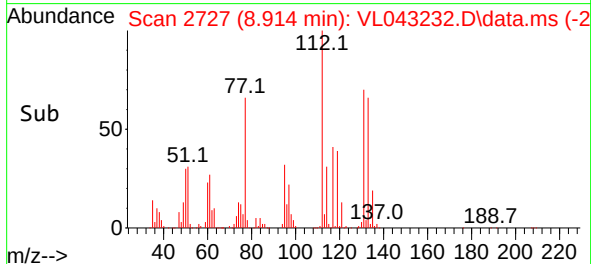
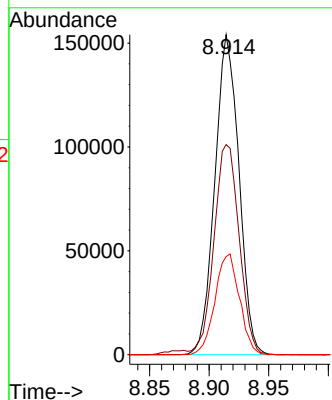
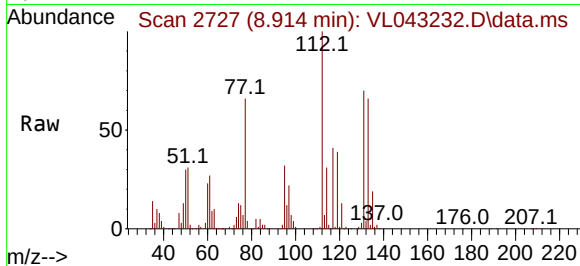




#57
Chlorobenzene
Concen: 9.993 ppbv
RT: 8.914 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

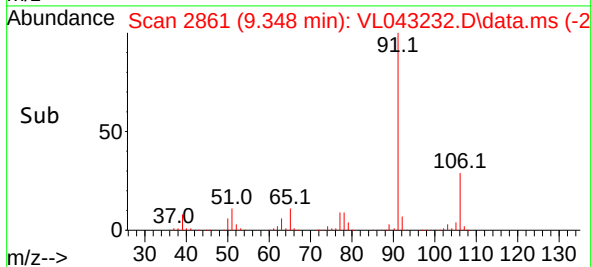
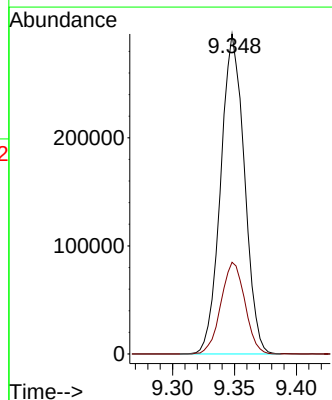
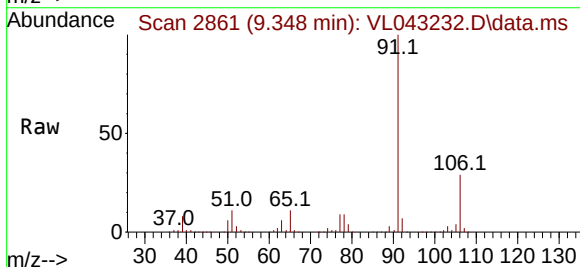
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

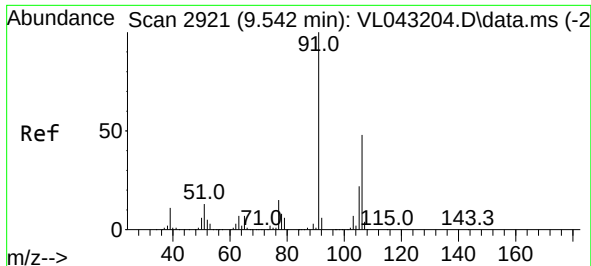
Tgt Ion:112 Resp: 216324
Ion Ratio Lower Upper
112 100
77 65.6 55.5 83.3
114 30.7 29.1 35.5



#58
Ethyl Benzene
Concen: 9.726 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 91 Resp: 394701
Ion Ratio Lower Upper
91 100
106 28.6 22.8 34.2





#59

m/p-Xylene

Concen: 9.263 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. 0.000 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

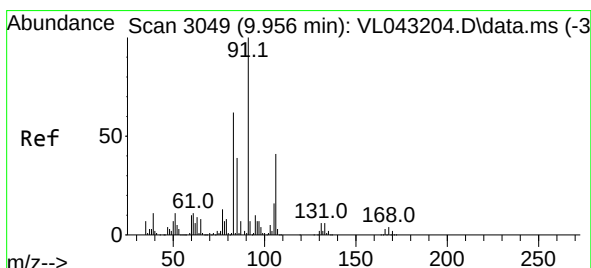
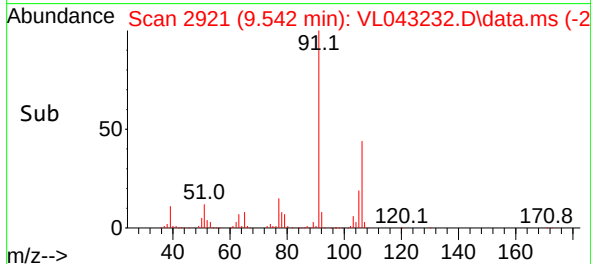
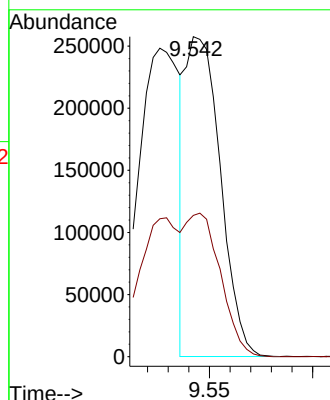
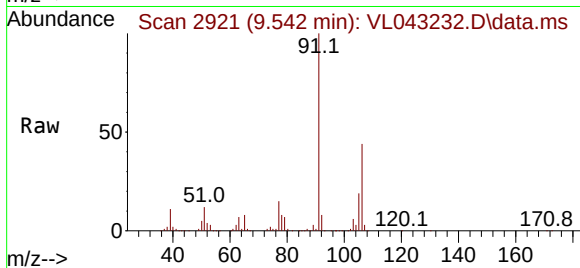
VSTDCCC010

Tgt Ion: 91 Resp: 301368

Ion Ratio Lower Upper

91 100

106 95.4 36.1 54.1#



#60

o-Xylene

Concen: 10.030 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VL043232.D

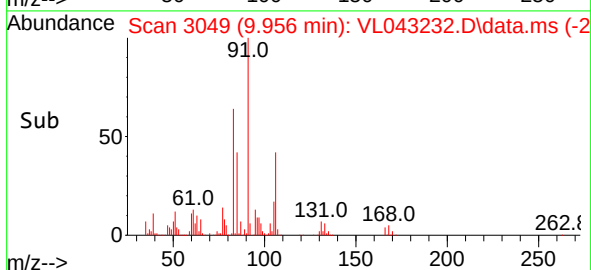
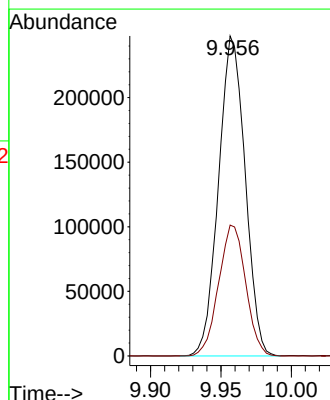
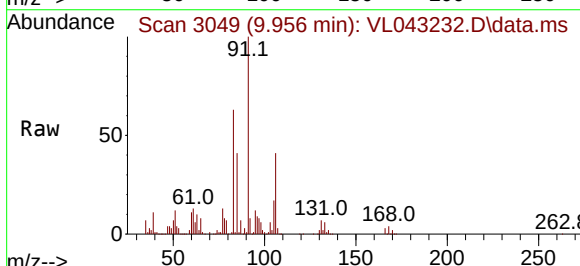
Acq: 19 Nov 2025 09:31

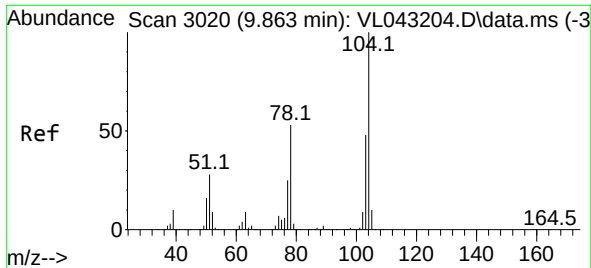
Tgt Ion: 91 Resp: 326016

Ion Ratio Lower Upper

91 100

106 41.6 20.9 62.8

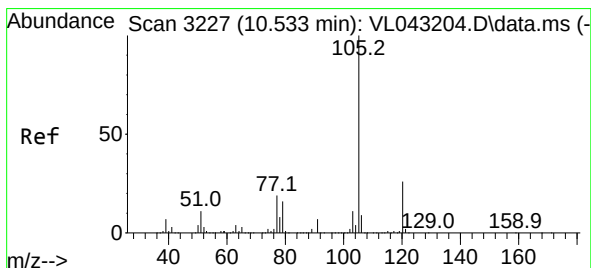
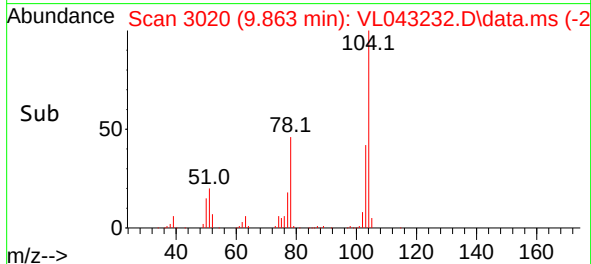
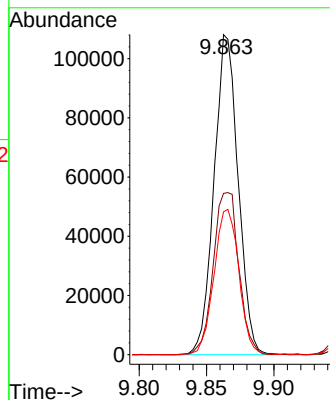
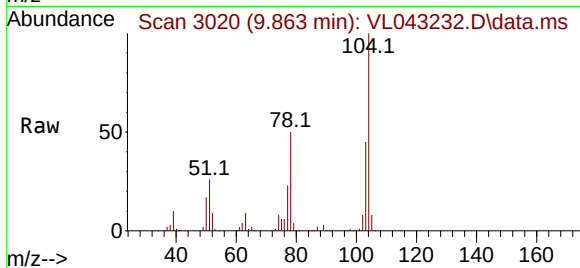




#61
Styrene
Concen: 9.444 ppbv
RT: 9.863 min Scan# 3020
Delta R.T. 0.000 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

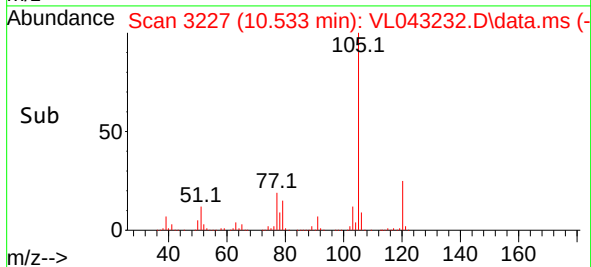
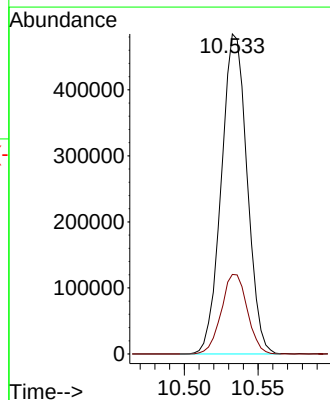
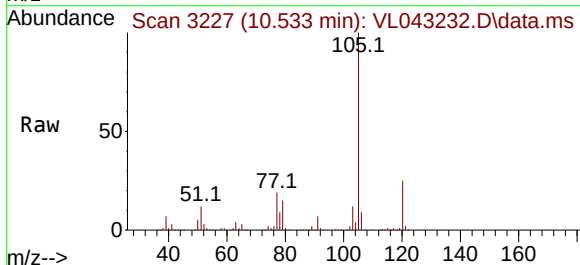
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

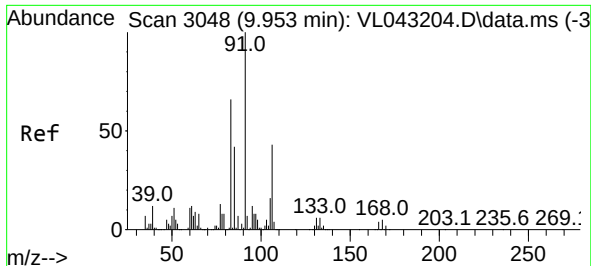
Tgt Ion:104 Resp: 134337
Ion Ratio Lower Upper
104 100
78 54.0 42.1 63.1
103 47.1 37.2 55.8



#62
Isopropylbenzene
Concen: 10.120 ppbv
RT: 10.533 min Scan# 3227
Delta R.T. 0.000 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion:105 Resp: 588476
Ion Ratio Lower Upper
105 100
120 25.1 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 9.693 ppbv

RT: 9.956 min Scan# 3048

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

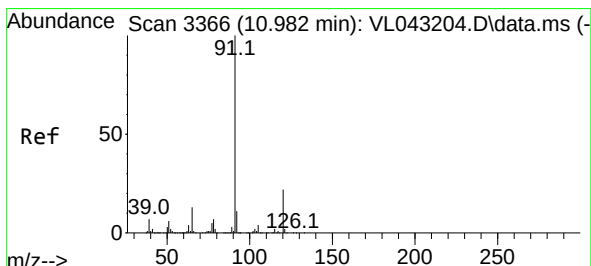
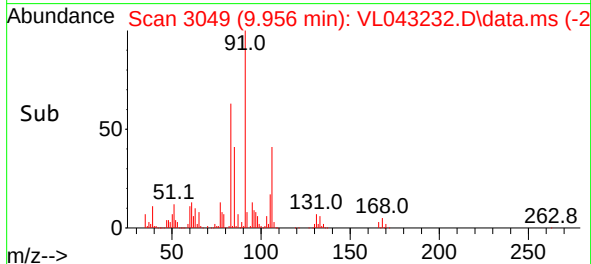
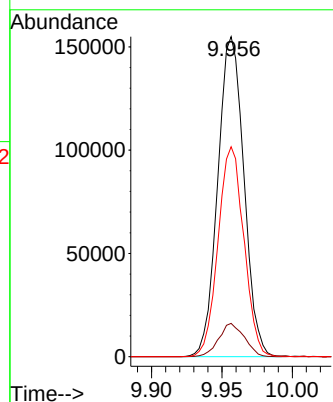
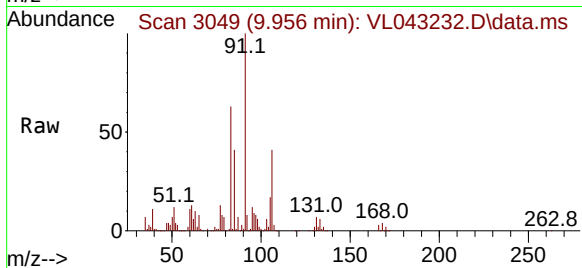
Tgt Ion: 83 Resp: 200465

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.3

85 64.7 31.9 95.9



#64

n-propylbenzene

Concen: 10.126 ppbv

RT: 10.982 min Scan# 3366

Delta R.T. 0.000 min

Lab File: VL043232.D

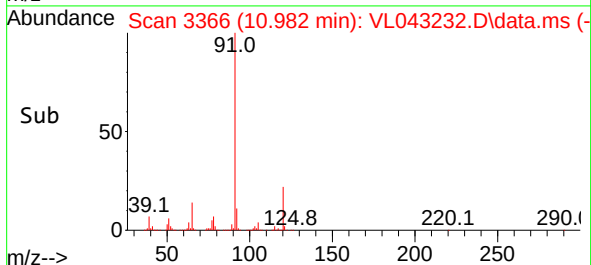
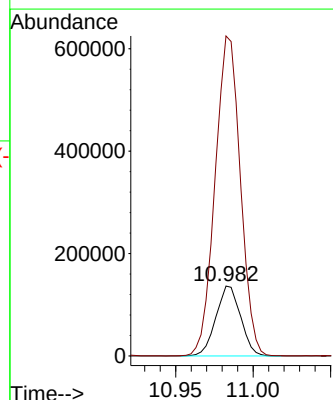
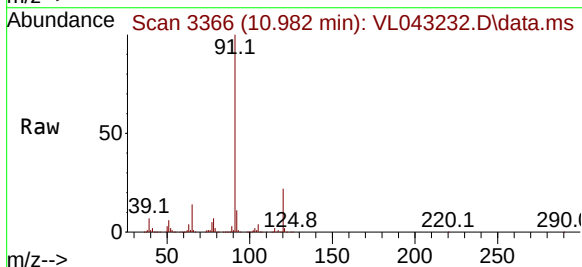
Acq: 19 Nov 2025 09:31

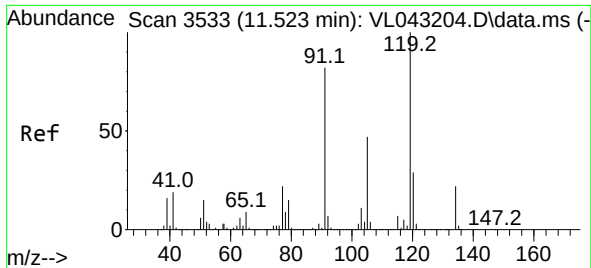
Tgt Ion: 120 Resp: 151292

Ion Ratio Lower Upper

120 100

91 469.0 377.1 565.7

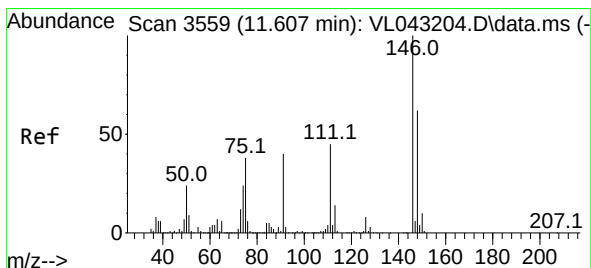
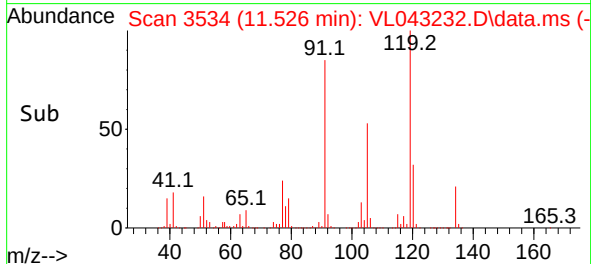
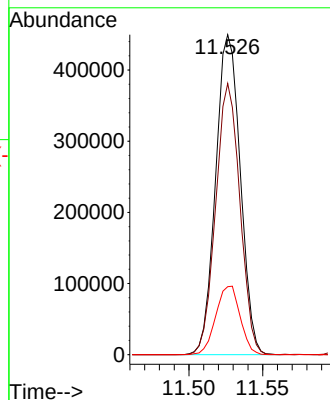
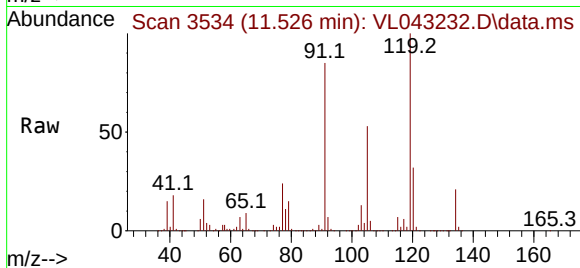




#65
tert-Butylbenzene
Concen: 10.080 ppbv
RT: 11.526 min Scan# 3533
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

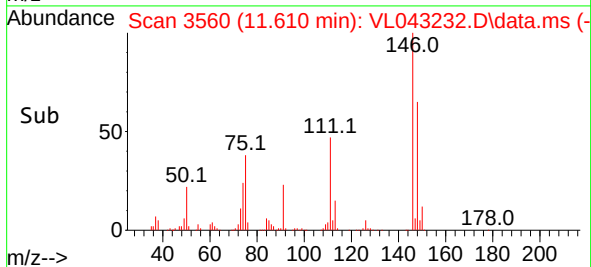
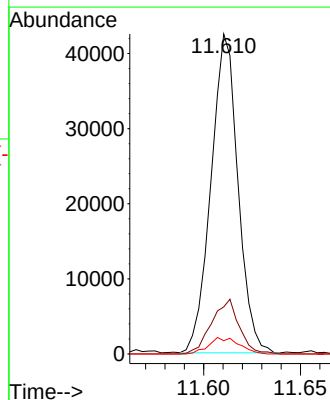
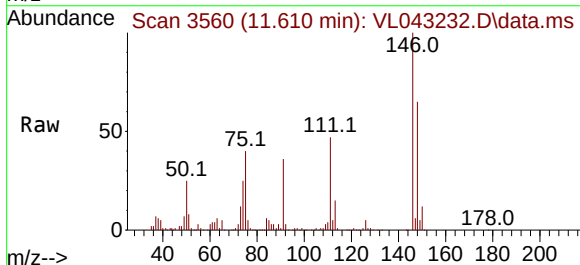
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

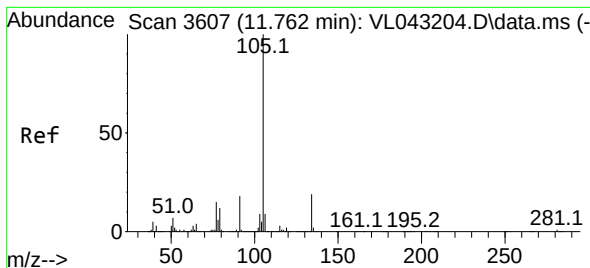
Tgt Ion:119 Resp: 523483
Ion Ratio Lower Upper
119 100
91 83.2 65.3 97.9
134 21.2 17.0 25.4



#66
Benzyl Chloride
Concen: 7.820 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 91 Resp: 41211
Ion Ratio Lower Upper
91 100
126 17.4 14.4 21.6
128 5.8 4.6 6.8





#67

sec-Butylbenzene

Concen: 10.123 ppbv

RT: 11.762 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

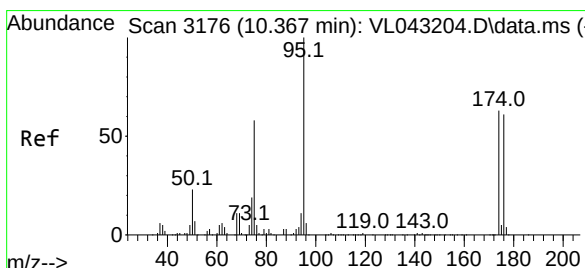
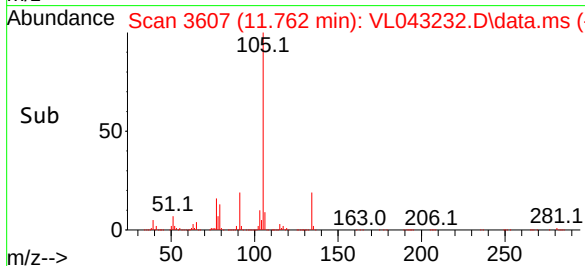
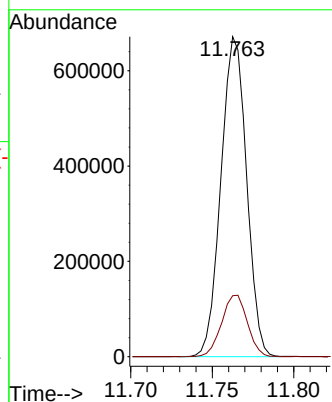
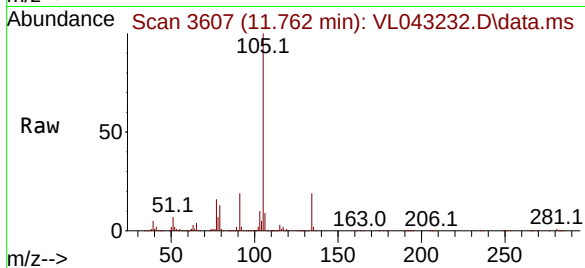
VSTDCCC010

Tgt Ion:105 Resp: 733799

Ion Ratio Lower Upper

105 100

134 19.4 15.0 22.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.145 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

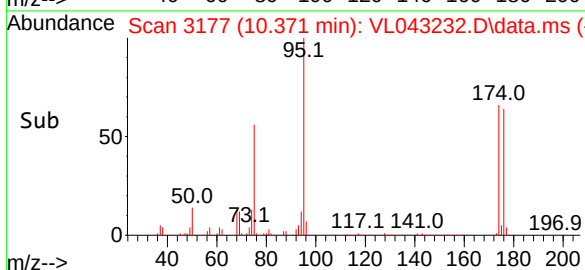
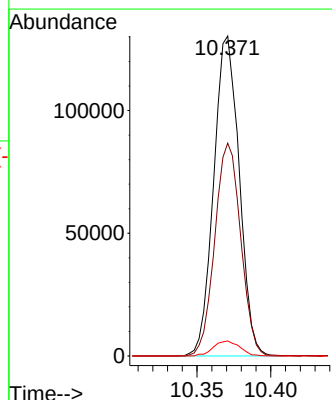
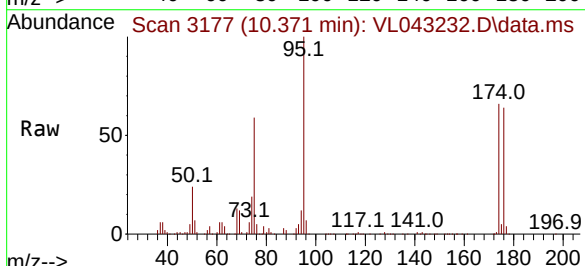
Tgt Ion: 95 Resp: 156782

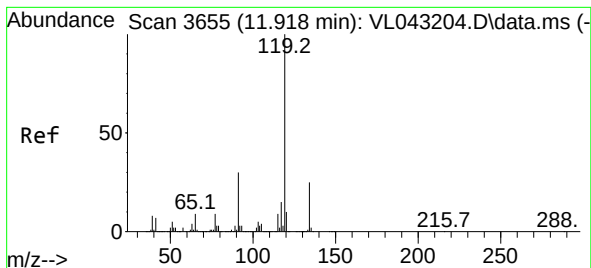
Ion Ratio Lower Upper

95 100

174 67.5 50.2 75.2

175 4.9 4.1 6.1

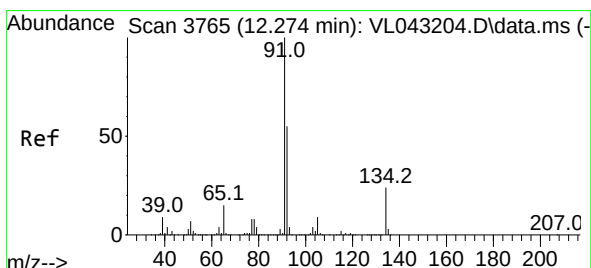
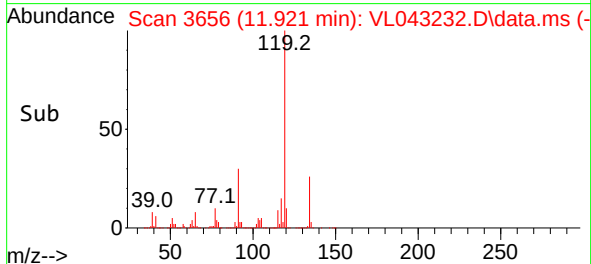
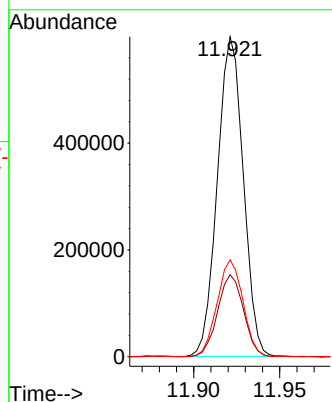
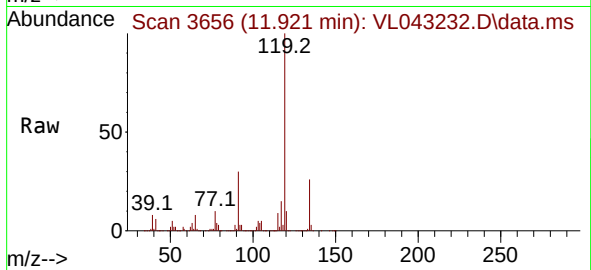




#69
 p-Isopropyltoluene
 Concen: 10.227 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

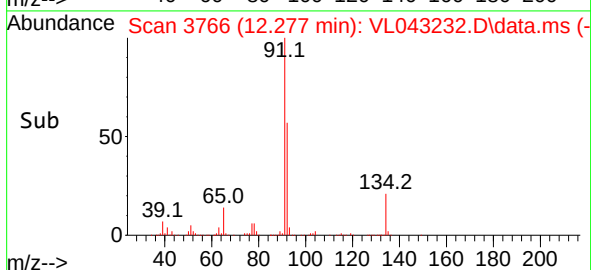
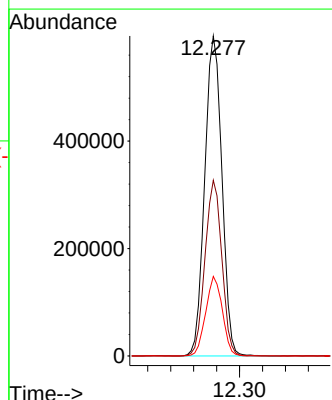
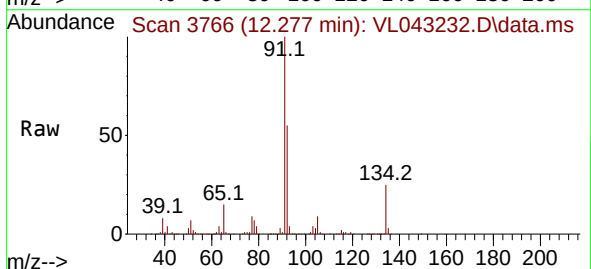
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

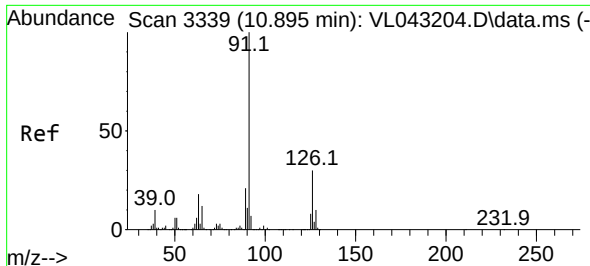
Tgt Ion:119 Resp: 627991
 Ion Ratio Lower Upper
 119 100
 134 25.6 20.2 30.2
 91 30.3 23.8 35.8



#70
 n-Butylbenzene
 Concen: 10.380 ppbv
 RT: 12.277 min Scan# 3766
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

Tgt Ion: 91 Resp: 618379
 Ion Ratio Lower Upper
 91 100
 92 53.9 43.5 65.3
 134 24.1 19.0 28.6

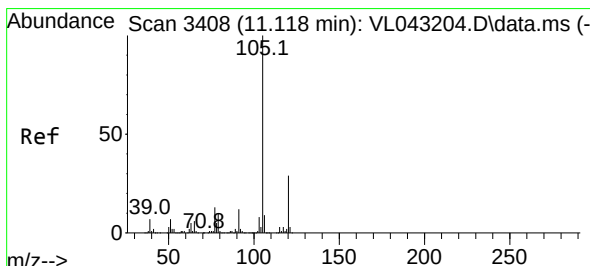
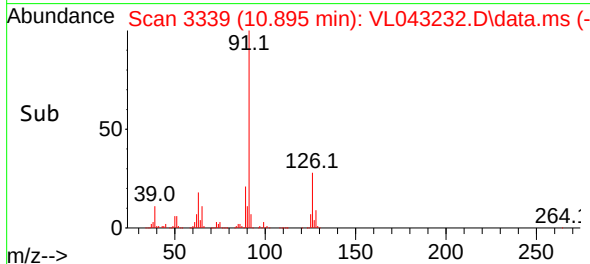
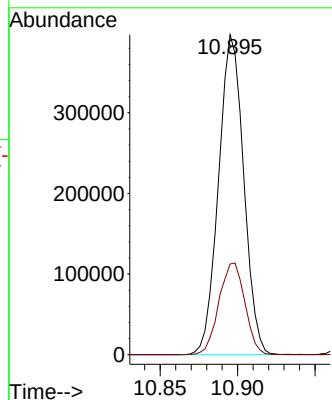
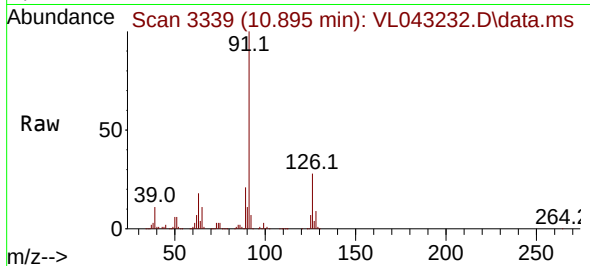




#71
2-Chlorotoluene
Concen: 10.026 ppbv
RT: 10.895 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

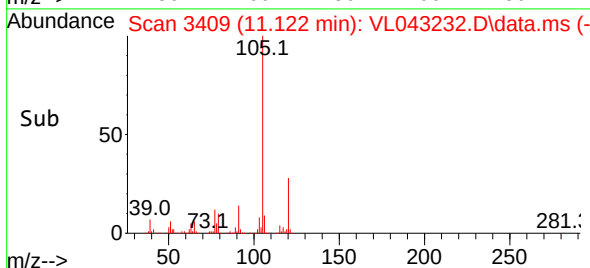
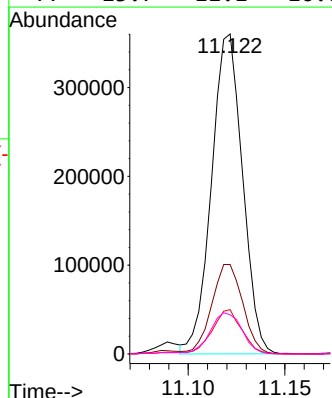
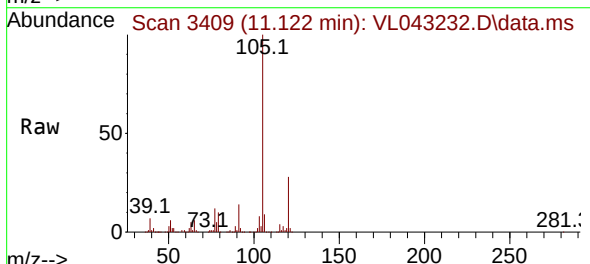
Instrument :
MSVOA_1
ClientSampleId :
VSTDCCC010

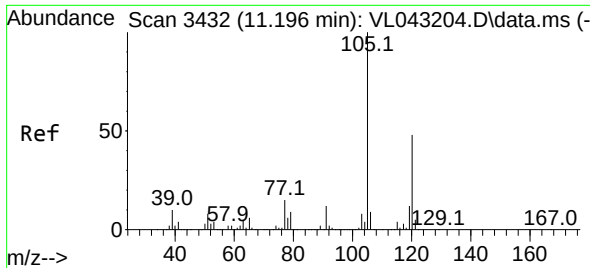
Tgt Ion: 91 Resp: 448104
Ion Ratio Lower Upper
91 100
126 29.6 11.7 46.7



#72
4-Ethyltoluene
Concen: 10.144 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.003 min
Lab File: VL043232.D
Acq: 19 Nov 2025 09:31

Tgt Ion: 105 Resp: 401514
Ion Ratio Lower Upper
105 100
120 29.0 23.8 35.8
91 13.6 10.3 15.5
77 13.7 11.1 16.7

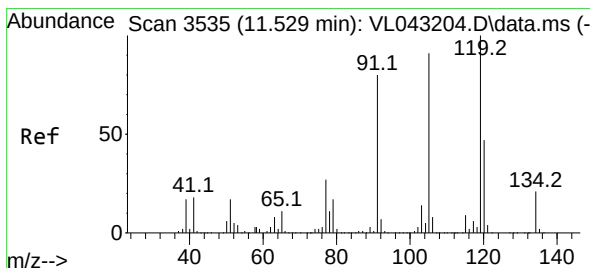
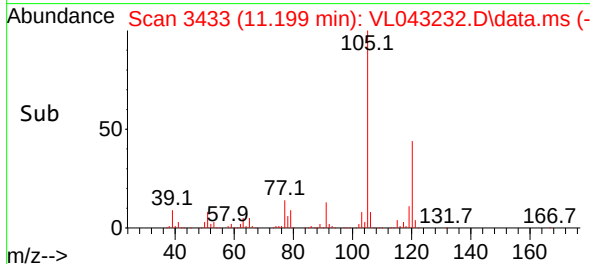
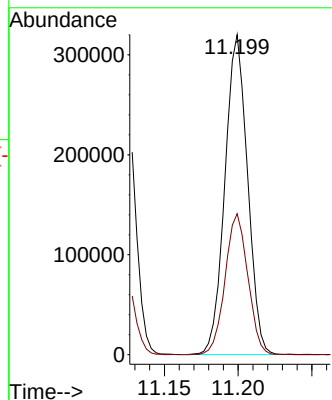
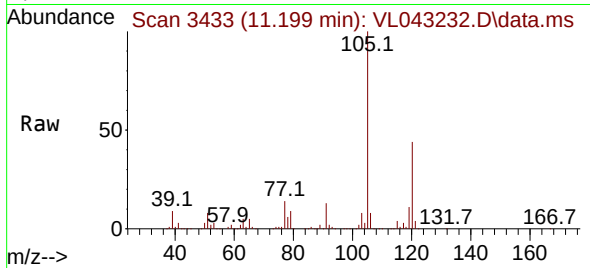




#73
 1,3,5-Trimethylbenzene
 Concen: 10.255 ppbv
 RT: 11.199 min Scan# 3432
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

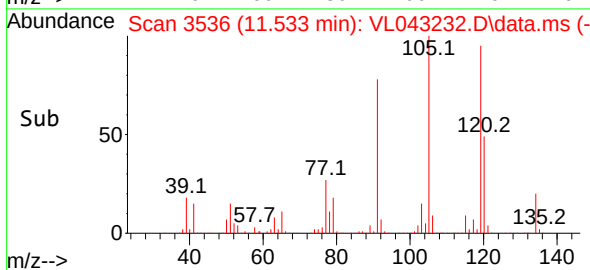
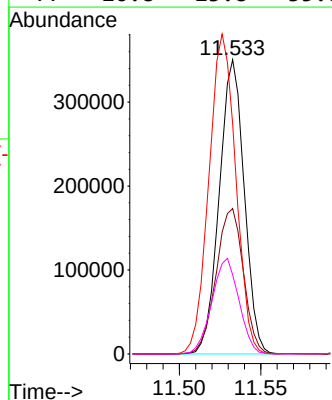
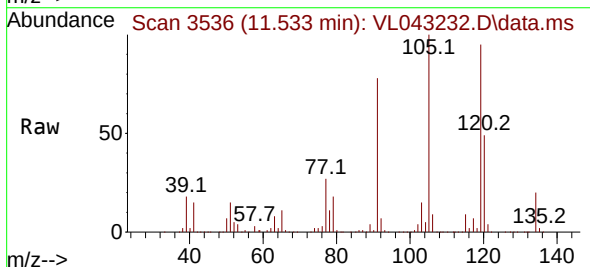
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDCCC010

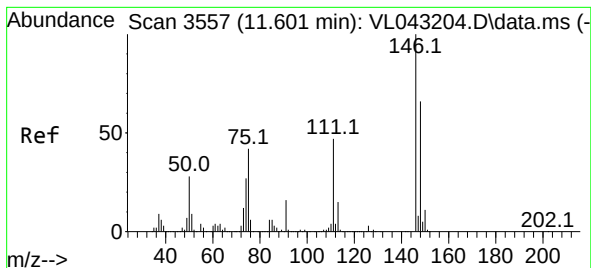
Tgt Ion:105 Resp: 340623
 Ion Ratio Lower Upper
 105 100
 120 44.1 38.6 57.8



#74
 1,2,4-Trimethylbenzene
 Concen: 10.277 ppbv
 RT: 11.533 min Scan# 3536
 Delta R.T. 0.003 min
 Lab File: VL043232.D
 Acq: 19 Nov 2025 09:31

Tgt Ion:105 Resp: 372542
 Ion Ratio Lower Upper
 105 100
 120 49.4 41.7 62.5
 91 78.0 70.0 105.0
 77 26.8 23.8 35.8





#75

1,3-Dichlorobenzene

Concen: 10.565 ppbv

RT: 11.604 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

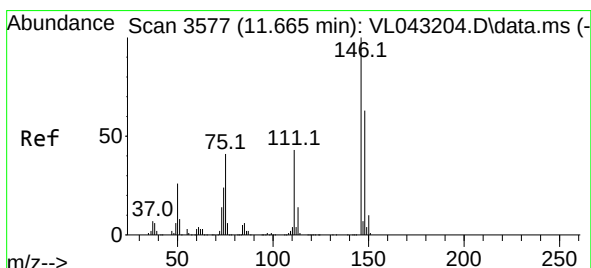
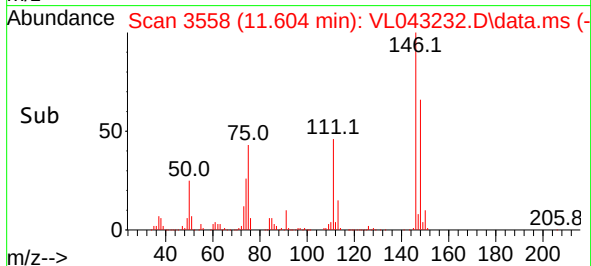
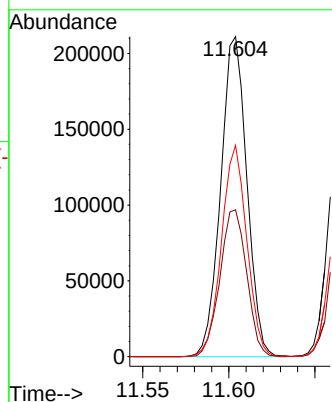
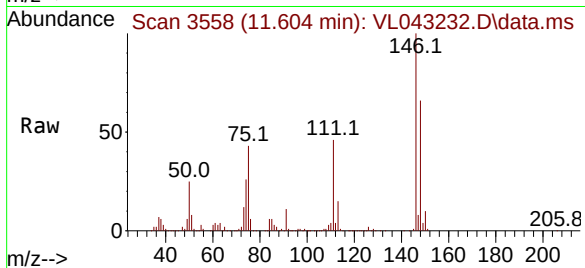
Tgt Ion:146 Resp: 223492

Ion Ratio Lower Upper

146 100

111 47.0 23.4 70.3

148 64.0 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 10.686 ppbv

RT: 11.669 min Scan# 3578

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

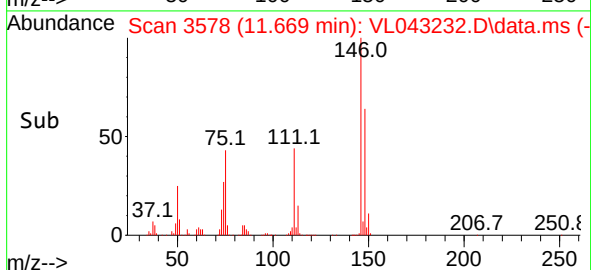
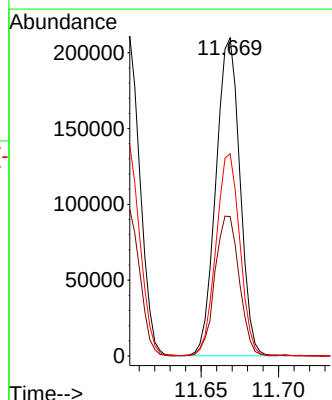
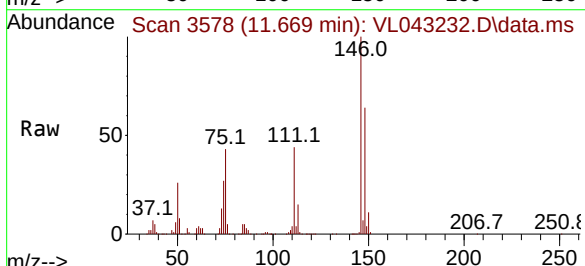
Tgt Ion:146 Resp: 226095

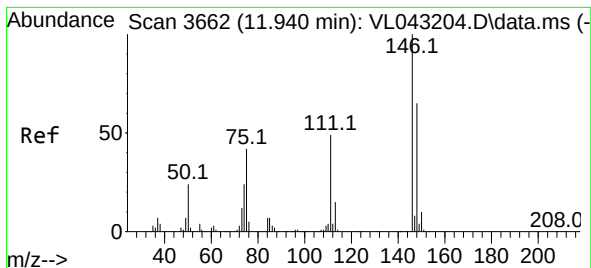
Ion Ratio Lower Upper

146 100

111 44.8 22.8 68.3

148 63.3 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 10.494 ppbv

RT: 11.944 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

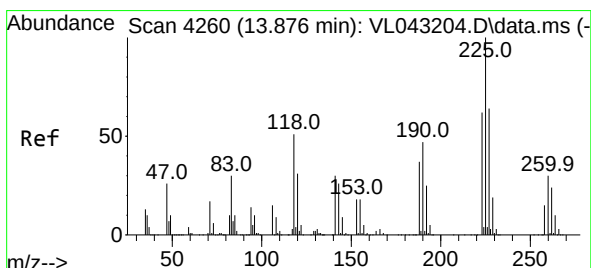
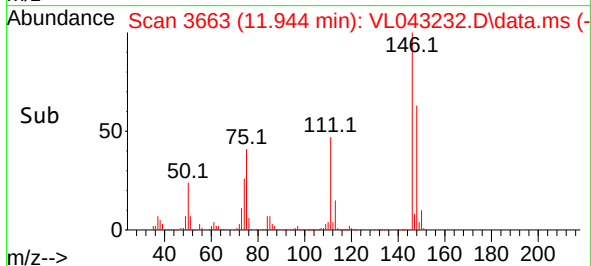
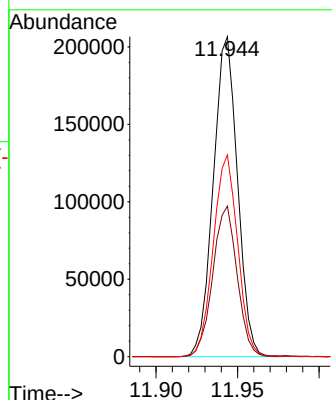
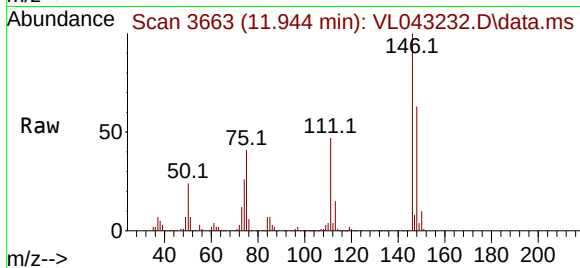
Tgt Ion:146 Resp: 213424

Ion Ratio Lower Upper

146 100

111 47.3 24.3 73.0

148 63.6 31.6 94.7



#78

Hexachloro-1,3-Butadiene

Concen: 10.531 ppbv

RT: 13.876 min Scan# 4260

Delta R.T. 0.000 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

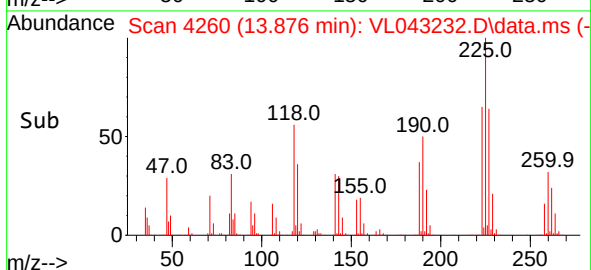
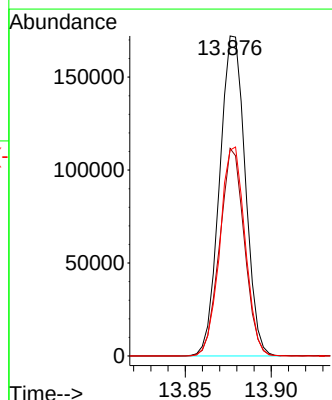
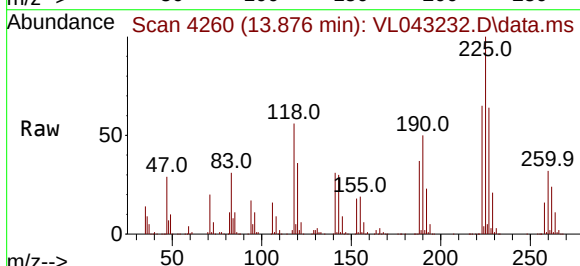
Tgt Ion:225 Resp: 178749

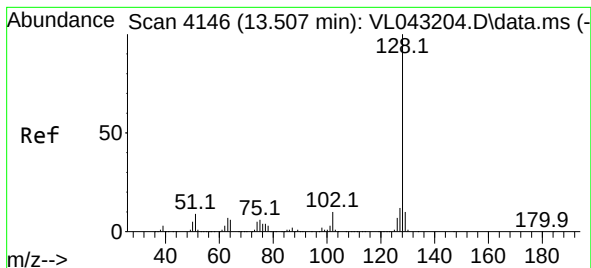
Ion Ratio Lower Upper

225 100

223 62.4 50.2 75.4

227 64.1 51.1 76.7





#79

Naphthalene

Concen: 10.601 ppbv

RT: 13.510 min Scan# 4146

Delta R.T. 0.003 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_1

ClientSampleId :

VSTDCCC010

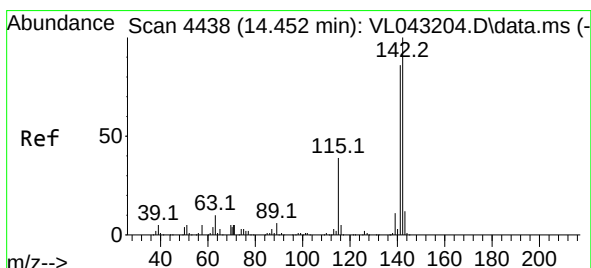
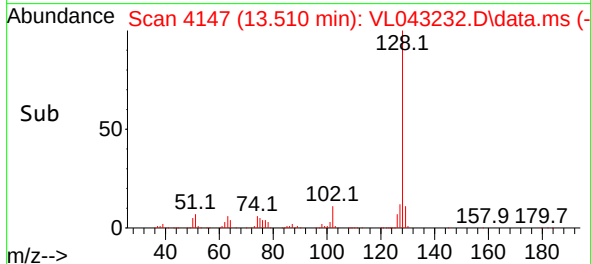
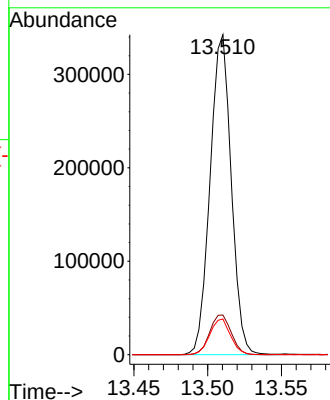
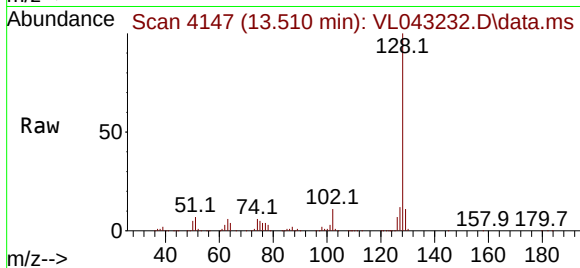
Tgt Ion:128 Resp: 341298

Ion Ratio Lower Upper

128 100

127 12.4 9.9 14.9

129 11.2 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 10.199 ppbv

RT: 14.452 min Scan# 4438

Delta R.T. 0.000 min

Lab File: VL043232.D

Acq: 19 Nov 2025 09:31

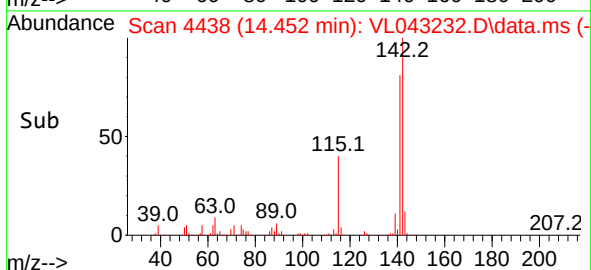
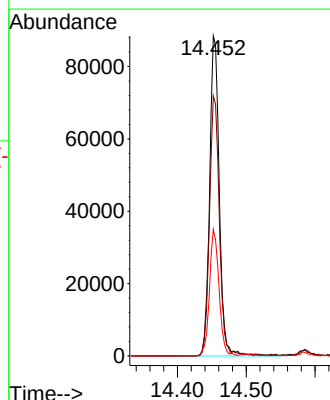
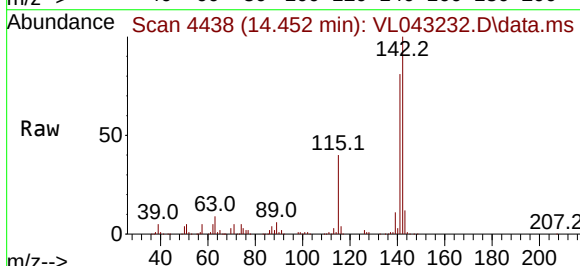
Tgt Ion:142 Resp: 86195

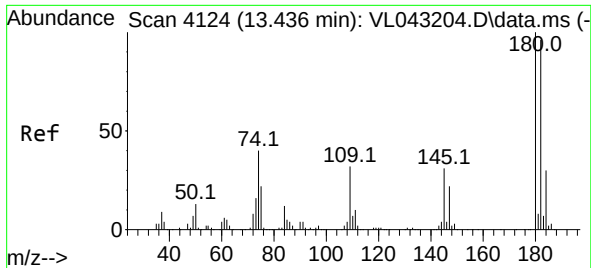
Ion Ratio Lower Upper

142 100

141 82.6 67.1 100.7

115 39.8 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 11.534 ppbv

RT: 13.436 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043232.D

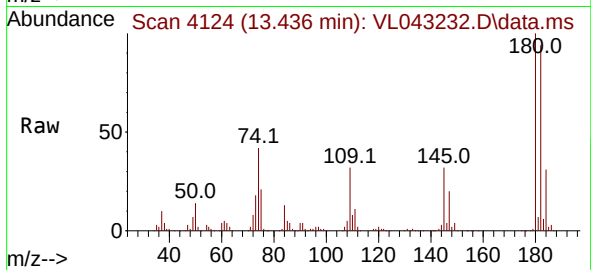
Acq: 19 Nov 2025 09:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 166081

Ion Ratio Lower Upper

180 100

182 97.2 77.4 116.2

184 30.2 24.2 36.4

