

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042585.D
 Acq On : 29 May 2025 14:24
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: May 30 01:21:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 01:15:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	103906	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	301797	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	274912	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	207170	10.053	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	171529	13.432	ppbv	98
3) Chlorodifluoromethane	1.476	51	221334	12.584	ppbv	99
4) Chloromethane	1.534	50	67662	13.380	ppbv	99
5) Vinyl Chloride	1.580	62	63738	12.373	ppbv	98
6) Bromomethane	1.667	94	31141	12.420	ppbv	100
7) Chloroethane	1.706	64	25591	12.785	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	140345	13.189	ppbv	99
9) Propene	1.483	41	93357	13.181	ppbv	97
10) Heptane	4.988	43	263111	13.165	ppbv	100
11) Trichlorofluoromethane	1.877	101	162591	13.684	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.140	101	127489	13.664	ppbv	99
13) Ethanol	1.722	45	6915	8.746	ppbv	98
14) Bromoethene	1.784	108	47382	13.501	ppbv	99
15) Acetone	1.835	43	141460	11.302	ppbv	98
16) 1,3-Butadiene	1.609	39	74743	12.607	ppbv	100
17) tert-Butyl alcohol	2.042	59	169533	13.002	ppbv	100
18) 1,1-Dichloroethene	2.036	96	56808	13.085	ppbv	99
19) Isopropyl Alcohol	1.887	45	92408	12.351	ppbv	98
20) Methylene Chloride	2.062	84	48862	11.830	ppbv	97
21) Allyl Chloride	2.097	41	116771	13.223	ppbv	100
22) trans-1,2-Dichloroethene	2.343	96	65132	13.441	ppbv	97
23) Vinyl Acetate	2.466	43	246907	14.594	ppbv	99
24) 1,1-Dichloroethane	2.411	63	129870	13.067	ppbv	99
25) Ethyl Acetate	2.839	43	457327	13.352	ppbv	99
26) Hexane	2.829	57	200386	12.876	ppbv	99
27) Carbon Disulfide	2.152	76	162143	13.571	ppbv	96
28) Methyl tert-Butyl Ether	2.441	73	79625	12.608	ppbv	100
29) Chloroform	2.852	83	269752	13.328	ppbv	98
30) Cyclohexane	3.861	84	170261	13.196	ppbv	99
31) cis-1,2-Dichloroethene	2.722	61	192562	13.526	ppbv	98
32) 1,1,1-Trichloroethane	3.373	97	276026	13.591	ppbv	99
34) 2-Butanone	2.560	43	294628	13.689	ppbv	99
35) Carbon Tetrachloride	3.768	117	277042	13.903	ppbv	98
36) Benzene	3.661	78	404641	13.615	ppbv	99
37) 1,2-Dichloroethane	3.221	62	208081	14.088	ppbv	100
38) Trichloroethene	4.551	130	168824	13.263	ppbv	91
39) 1,2-Dichloropropane	4.318	63	149476	13.606	ppbv	98
40) 1,4-Dioxane	4.590	88	65543	14.035	ppbv #	98
41) Tetrahydrofuran	3.056	42	173023	13.734	ppbv	99
42) Bromodichloromethane	4.493	83	298835	14.245	ppbv	96
43) Methyl Methacrylate	4.887	69	161641	14.033	ppbv	99
44) 2,2,4-Trimethylpentane	4.645	57	676574	13.319	ppbv	99
45) t-1,3-Dichloropropene	6.422	75	189257	14.338	ppbv	95

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 Misc : 400mL/MSVOA_L
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Instrument :
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 ClientSampleId :
 VSTDIC015

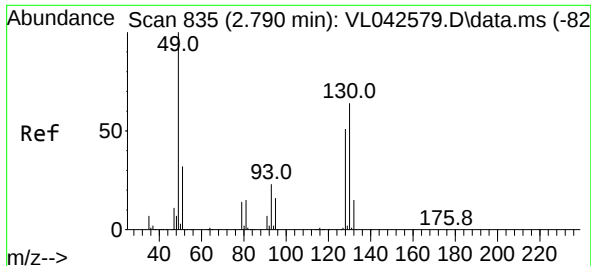
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 01:15:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.606	75	236653	14.313	ppbv	94
47) 1,1,2-Trichloroethane	6.590	97	153862	13.524	ppbv	93
48) Dibromochloromethane	7.393	129	258374	14.187	ppbv	100
49) Bromoform	9.490	173	226719	14.427	ppbv	100
50) 4-Methyl-2-Pentanone	5.758	43	416119	13.882	ppbv	100
51) 2-Hexanone	7.441	43	339220	14.328	ppbv	98
52) Tetrachloroethene	8.231	164	145485	13.098	ppbv	99
53) Toluene	6.939	91	470632	13.702	ppbv	100
54) 1,2-Dibromoethane	7.661	107	232051	13.758	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.930	131	191145	13.828	ppbv	99
57) Chlorobenzene	8.930	112	356655	13.361	ppbv	98
58) Ethyl Benzene	9.361	91	637083	13.662	ppbv	99
59) m/p-Xylene	9.539	91	523032	14.249	ppbv #	29
60) o-Xylene	9.969	91	490036	13.389	ppbv	98
61) Styrene	9.875	104	245714	14.199	ppbv	100
62) Isopropylbenzene	10.545	105	722166	13.356	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	299633	12.875	ppbv	99
64) n-propylbenzene	10.995	120	195952	13.519	ppbv	97
65) tert-Butylbenzene	11.536	119	634159	12.924	ppbv	99
66) Benzyl Chloride	11.620	91	90617	14.320	ppbv	99
67) sec-Butylbenzene	11.772	105	892638	12.939	ppbv	100
69) p-Isopropyltoluene	11.930	119	763150	13.210	ppbv	100
70) n-Butylbenzene	12.286	91	764173	13.401	ppbv	99
71) 2-Chlorotoluene	10.908	91	552265	13.390	ppbv	100
72) 4-Ethyltoluene	11.131	105	616187	13.504	ppbv	100
73) 1,3,5-Trimethylbenzene	11.209	105	509801	13.498	ppbv	99
74) 1,2,4-Trimethylbenzene	11.542	105	538704	12.854	ppbv	97
75) 1,3-Dichlorobenzene	11.613	146	347478	13.203	ppbv	100
76) 1,4-Dichlorobenzene	11.675	146	350757	13.363	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	326960	12.800	ppbv	100
78) Hexachloro-1,3-Butadiene	13.885	225	244375	11.563	ppbv	98
79) Naphthalene	13.516	128	563437	14.318	ppbv	98
80) Naphthalene,2-methyl-	14.458	142	306586	17.196	ppbv	99
81) 1,2,4-Trichlorobenzene	13.445	180	299869	13.598	ppbv	99

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

Quant Time: May 30 01:21:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
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QLast Update : Fri May 30 01:15:52 2025
Response via : Initial Calibration

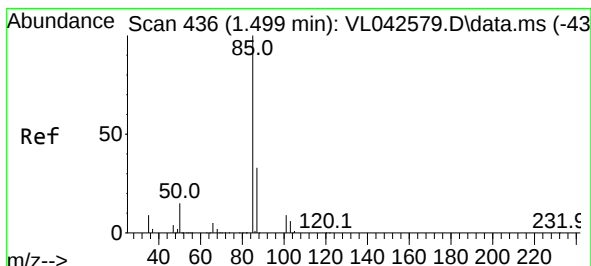
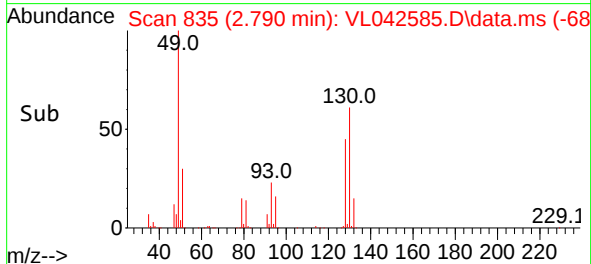
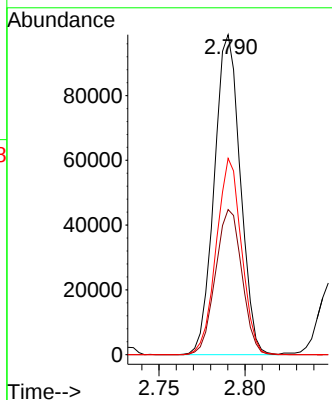
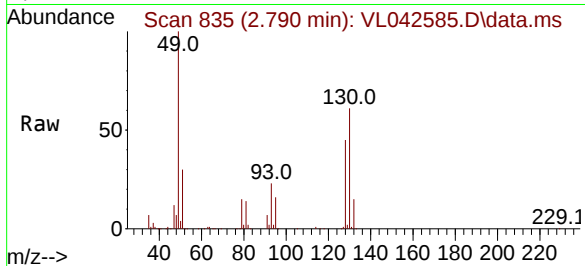




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.790 min Scan# 835
 Delta R.T. 0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

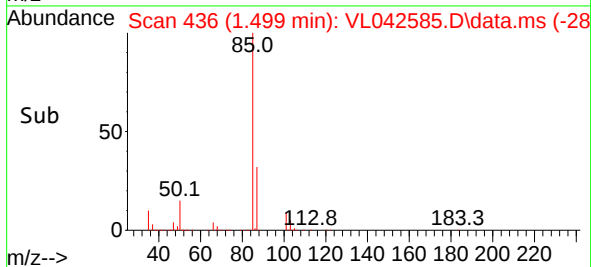
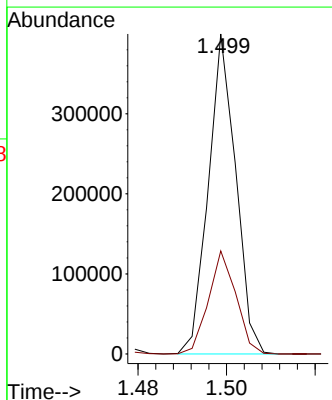
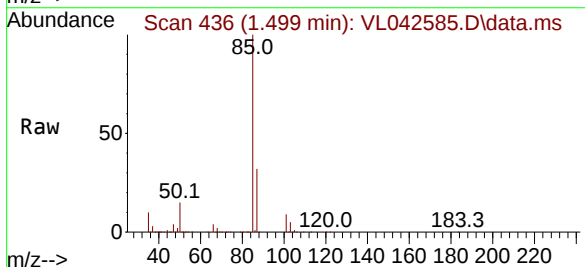
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

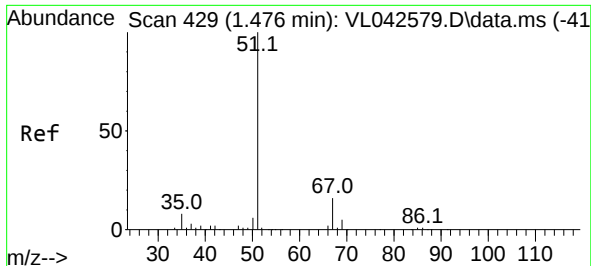
Tgt Ion: 49 Resp: 103906
 Ion Ratio Lower Upper
 49 100
 128 46.1 24.2 72.6
 130 59.5 30.4 91.2



#2
 Dichlorodifluoromethane
 Concen: 13.432 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Tgt Ion: 85 Resp: 171529
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.6 39.8

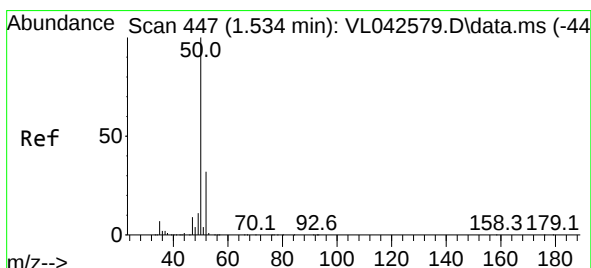
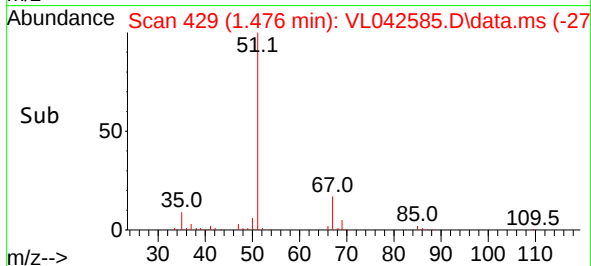
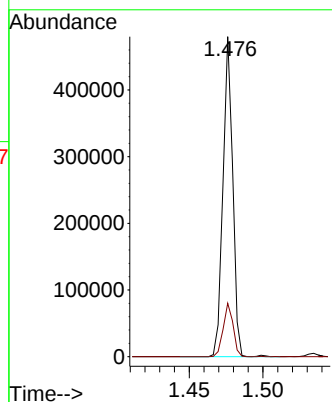
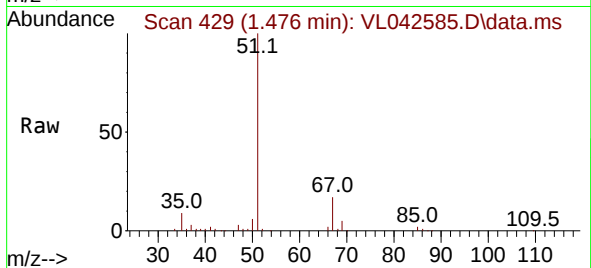




#3
Chlorodifluoromethane
Concen: 12.584 ppbv
RT: 1.476 min Scan# 429
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

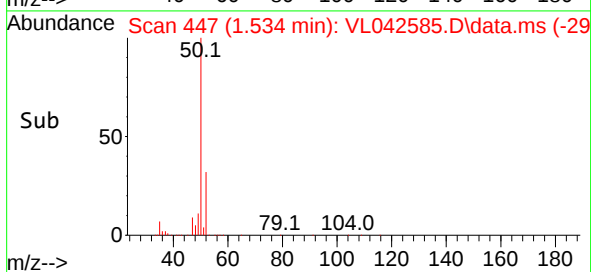
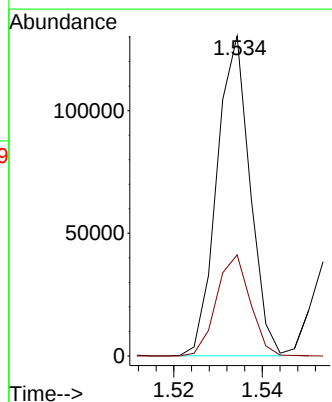
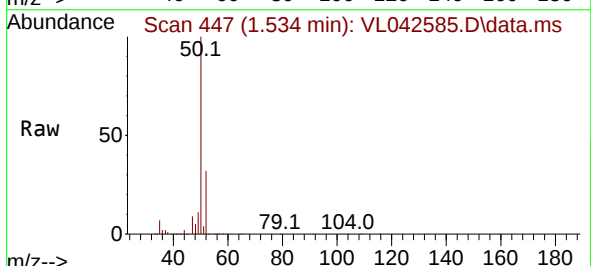
Instrument :
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ClientSampleId :
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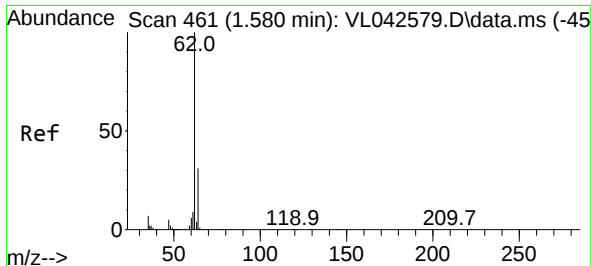
Tgt Ion: 51 Resp: 221334
Ion Ratio Lower Upper
51 100
67 17.1 13.4 20.2



#4
Chloromethane
Concen: 13.380 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 50 Resp: 67662
Ion Ratio Lower Upper
50 100
52 31.7 25.8 38.6

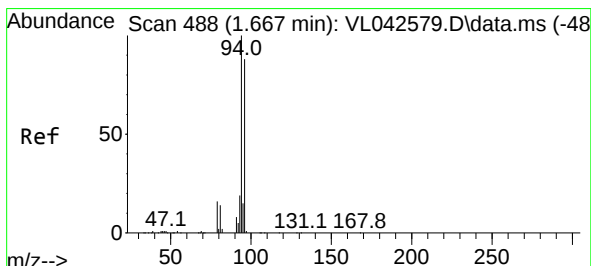
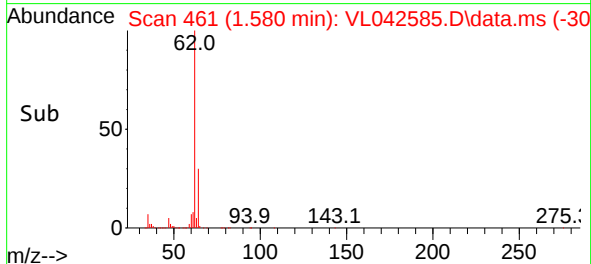
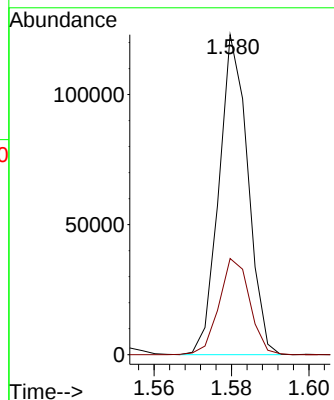
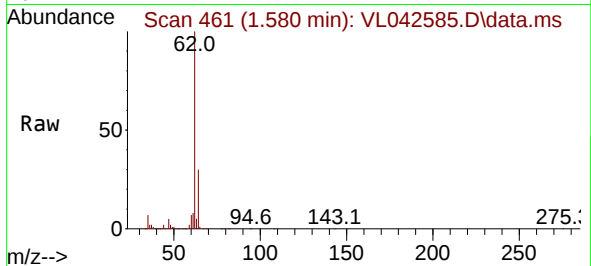




#5
 Vinyl Chloride
 Concen: 12.373 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

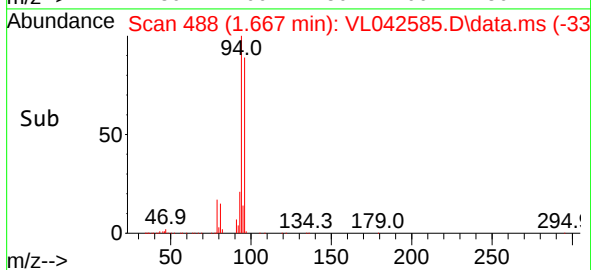
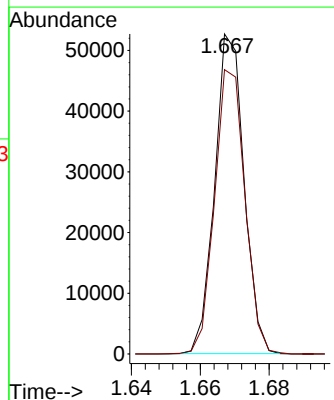
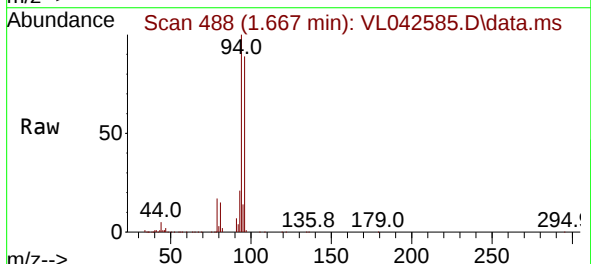
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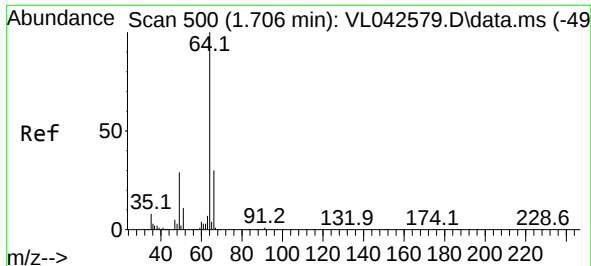
Tgt Ion: 62 Resp: 63738
 Ion Ratio Lower Upper
 62 100
 64 30.0 24.9 37.3



#6
 Bromomethane
 Concen: 12.420 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Tgt Ion: 94 Resp: 31141
 Ion Ratio Lower Upper
 94 100
 96 88.7 70.7 106.1

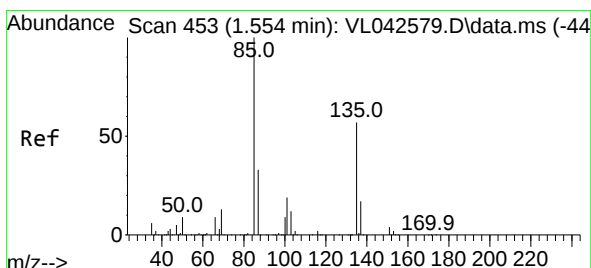
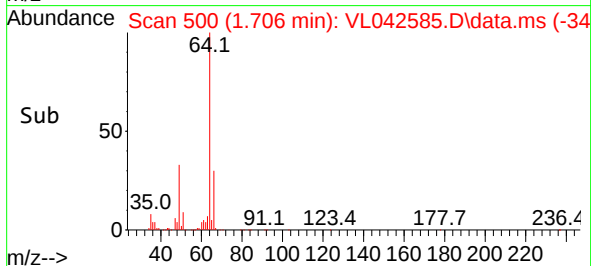
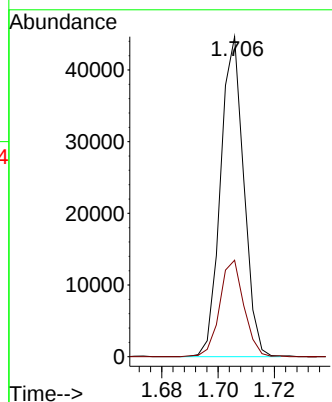
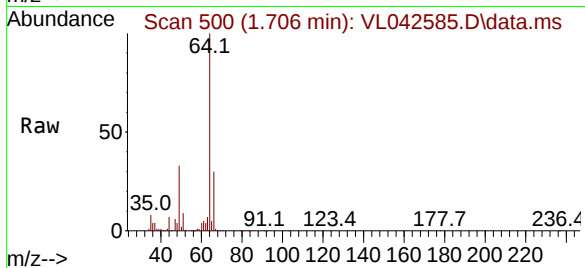




#7
Chloroethane
Concen: 12.785 ppbv
RT: 1.706 min Scan# 500
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

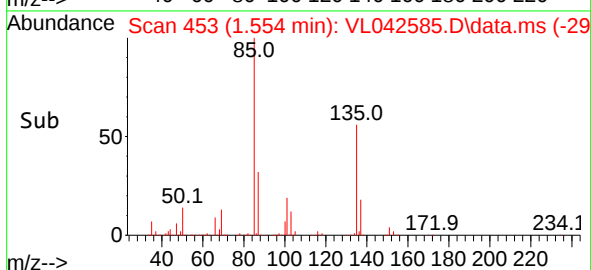
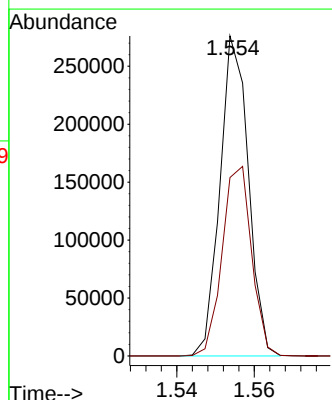
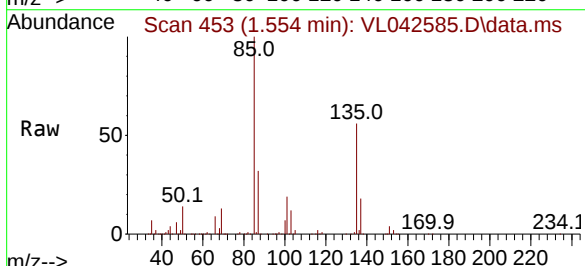
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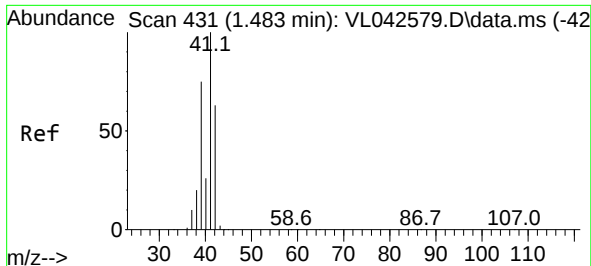
Tgt Ion: 64 Resp: 25591
Ion Ratio Lower Upper
64 100
66 30.2 24.3 36.5



#8
Dichlorotetrafluoroethane
Concen: 13.189 ppbv
RT: 1.554 min Scan# 453
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 85 Resp: 140345
Ion Ratio Lower Upper
85 100
135 61.7 50.2 75.4





#9

Propene

Concen: 13.181 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

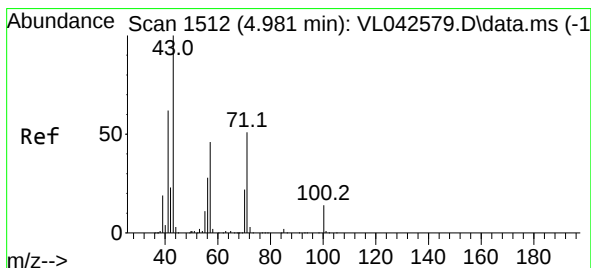
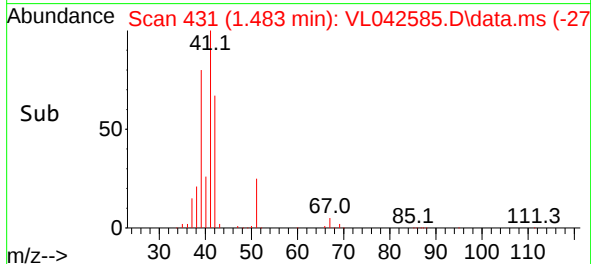
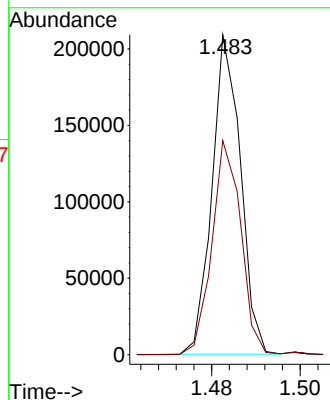
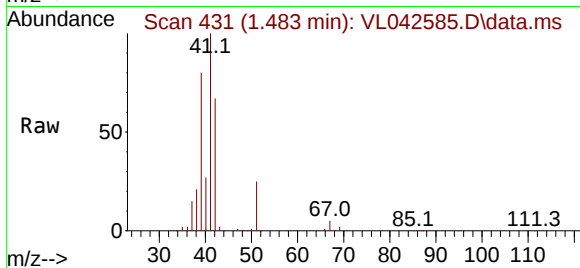
VSTDIC015

Tgt Ion: 41 Resp: 93357

Ion Ratio Lower Upper

41 100

42 68.6 53.3 79.9



#10

Heptane

Concen: 13.165 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.006 min

Lab File: VL042585.D

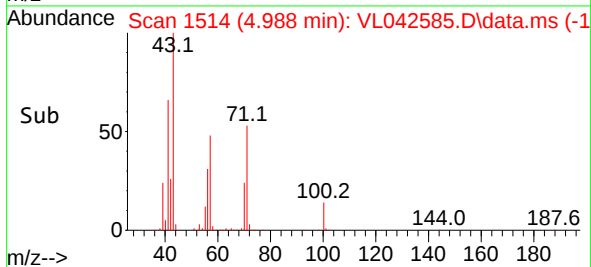
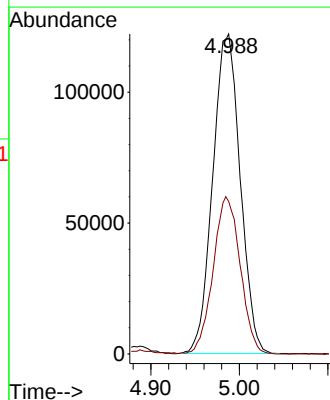
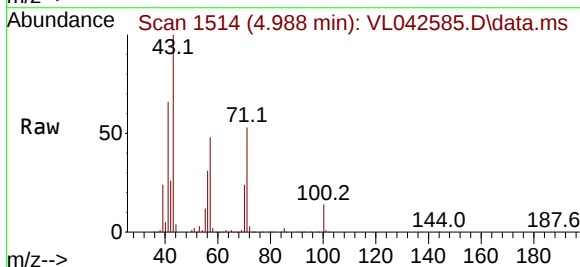
Acq: 29 May 2025 14:24

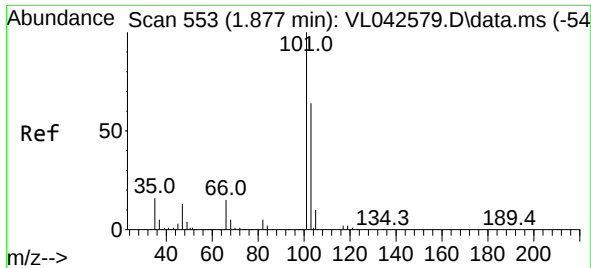
Tgt Ion: 43 Resp: 263111

Ion Ratio Lower Upper

43 100

57 48.6 38.9 58.3

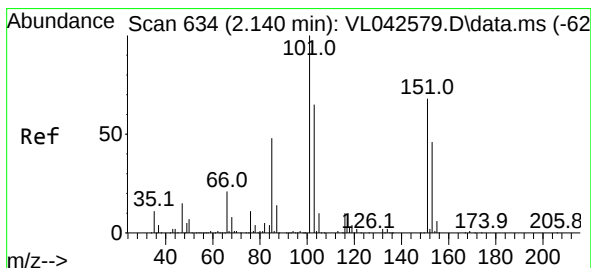
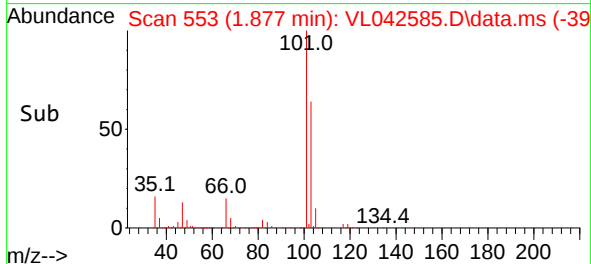
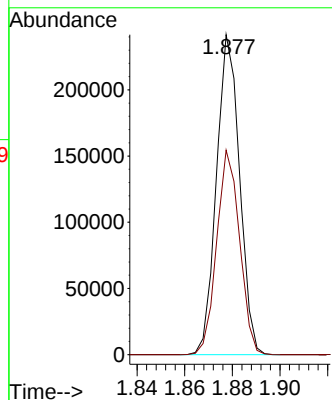
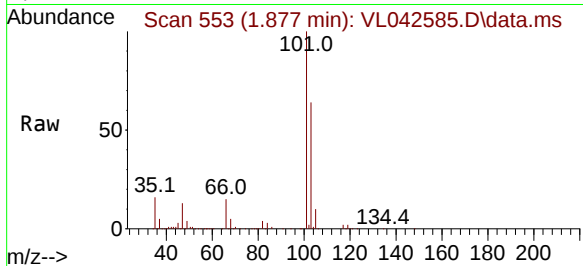




#11
 Trichlorofluoromethane
 Concen: 13.684 ppbv
 RT: 1.877 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

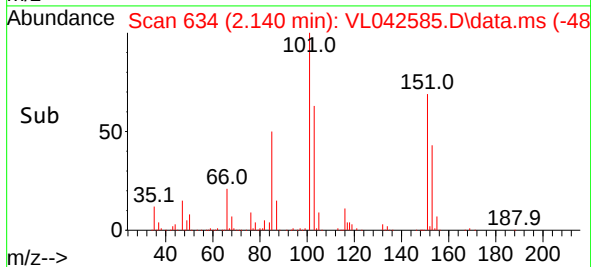
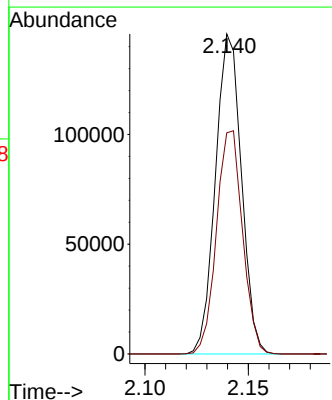
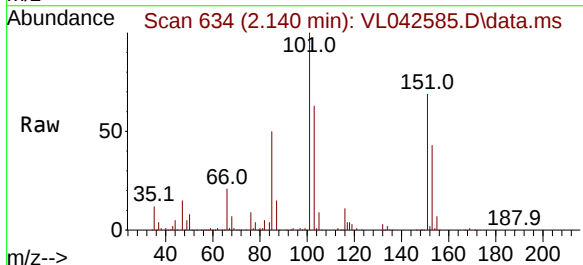
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

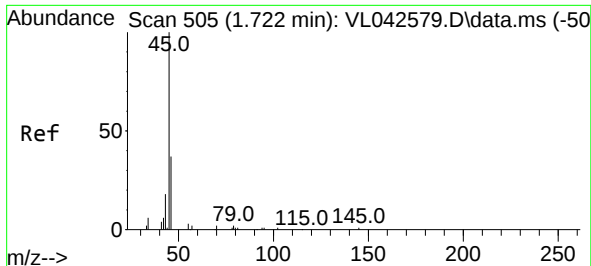
Tgt Ion:101 Resp: 162591
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.664 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Tgt Ion:101 Resp: 127489
 Ion Ratio Lower Upper
 101 100
 151 70.0 55.3 82.9

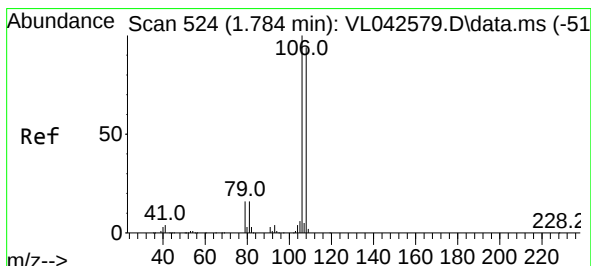
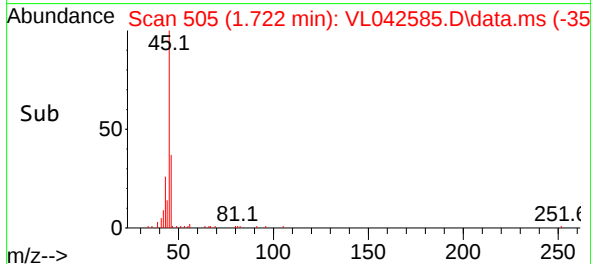
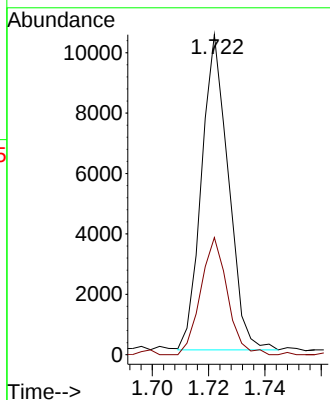
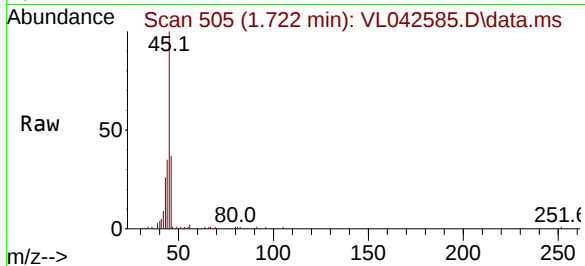




#13
Ethanol
Concen: 8.746 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

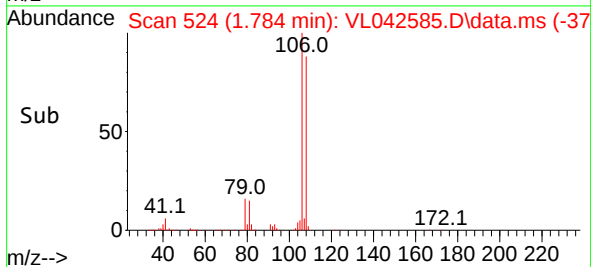
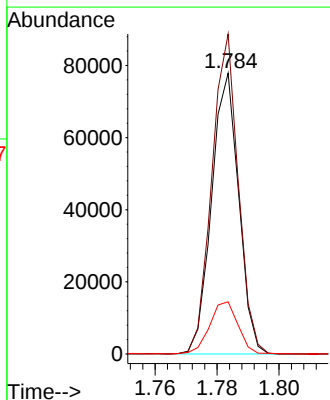
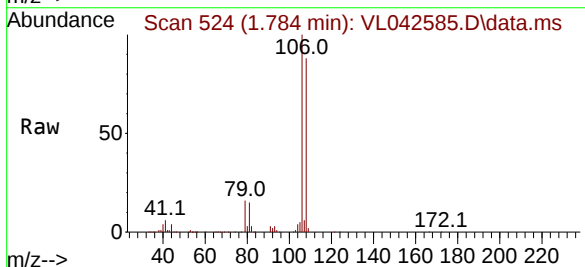
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 45 Resp: 6915
Ion Ratio Lower Upper
45 100
46 37.8 14.5 58.1



#14
Bromoethene
Concen: 13.501 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 108 Resp: 47382
Ion Ratio Lower Upper
108 100
106 110.7 87.9 131.9
79 19.8 15.6 23.4

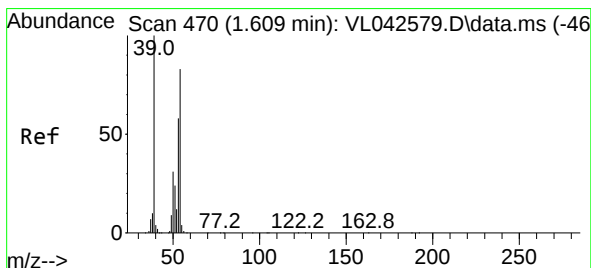
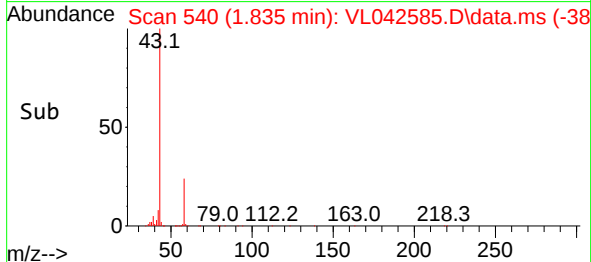
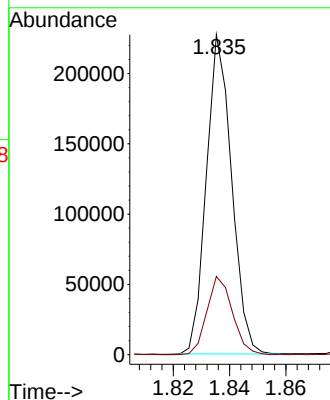
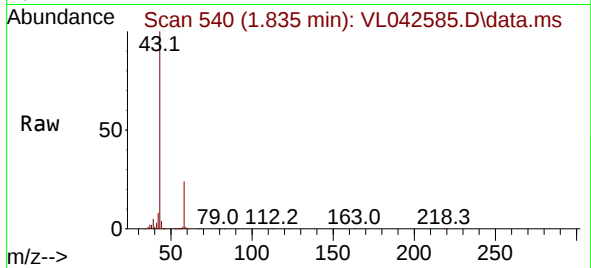




#15
Acetone
Concen: 11.302 ppbv
RT: 1.835 min Scan# 54
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

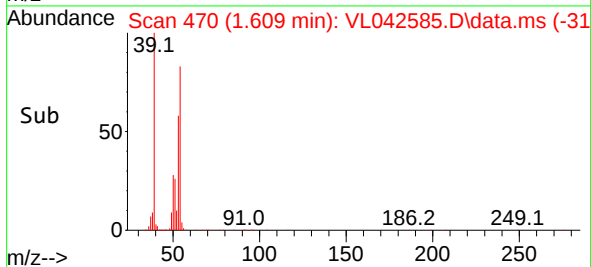
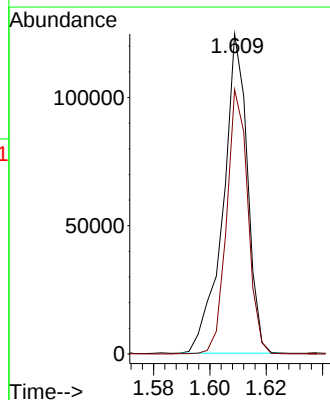
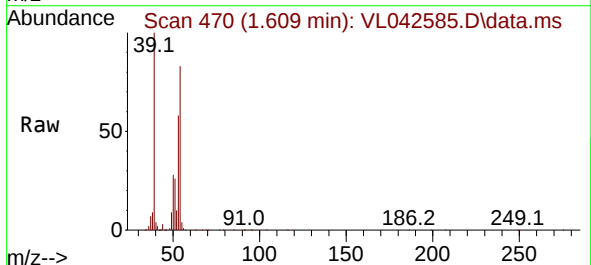
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

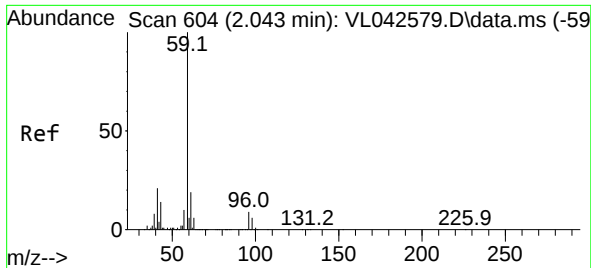
Tgt Ion: 43 Resp: 141460
Ion Ratio Lower Upper
43 100
58 25.0 21.0 31.4



#16
1,3-Butadiene
Concen: 12.607 ppbv
RT: 1.609 min Scan# 470
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 39 Resp: 74743
Ion Ratio Lower Upper
39 100
54 72.1 57.9 86.9





#17

tert-Butyl alcohol

Concen: 13.002 ppbv

RT: 2.042 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

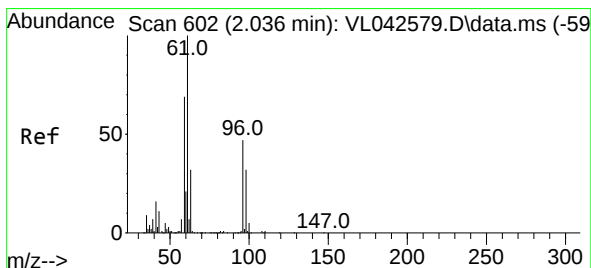
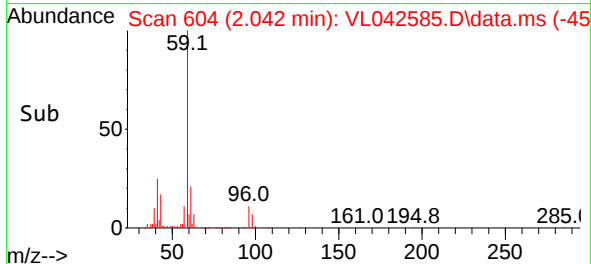
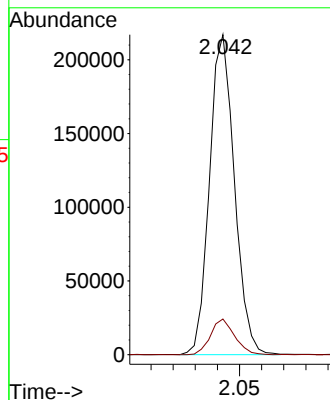
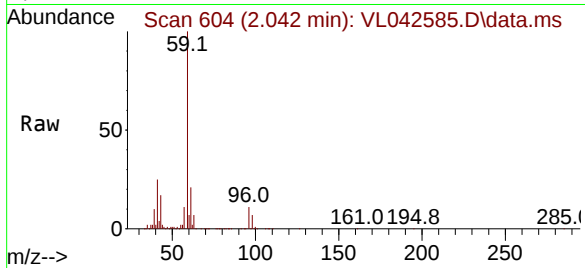
VSTDIC015

Tgt Ion: 59 Resp: 169533

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 13.085 ppbv

RT: 2.036 min Scan# 602

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

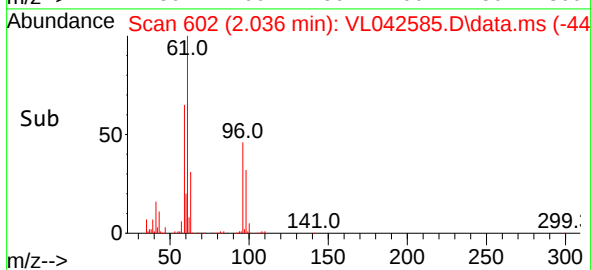
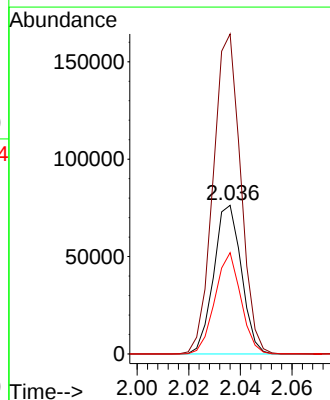
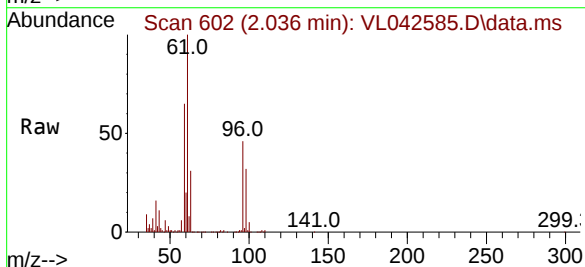
Tgt Ion: 96 Resp: 56808

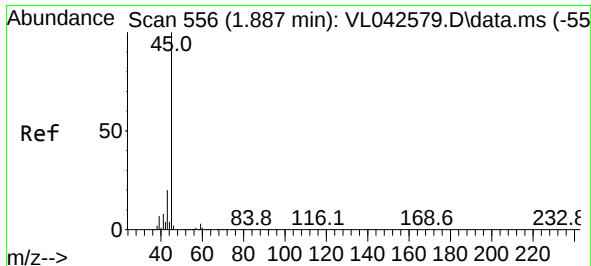
Ion Ratio Lower Upper

96 100

61 215.1 171.1 256.7

98 68.1 54.4 81.6

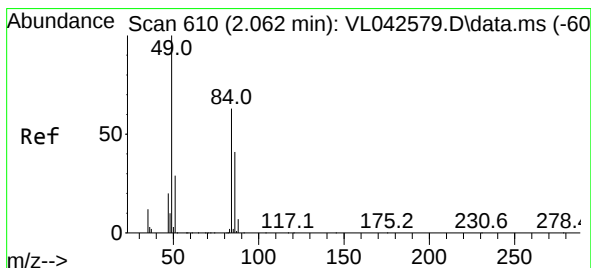
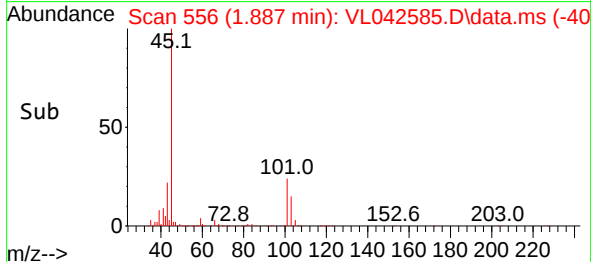
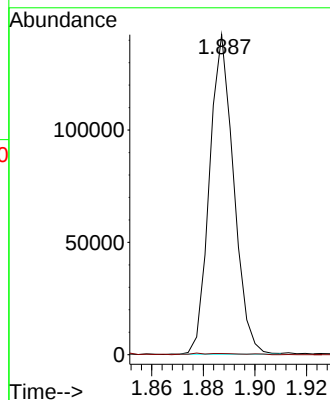
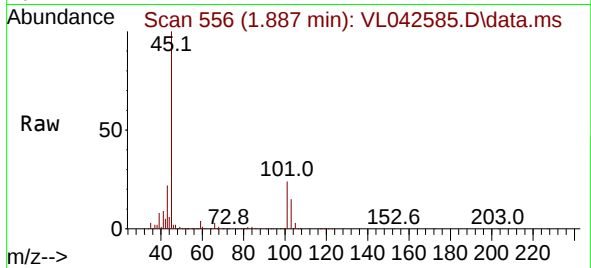




#19
Isopropyl Alcohol
Concen: 12.351 ppbv
RT: 1.887 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

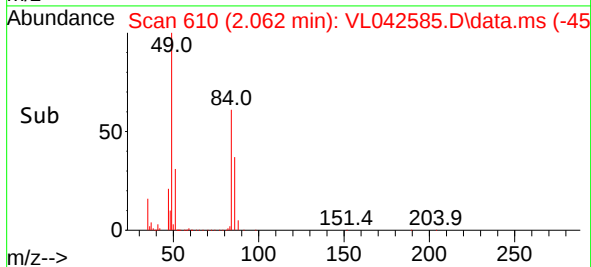
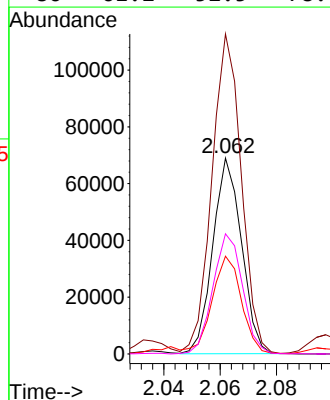
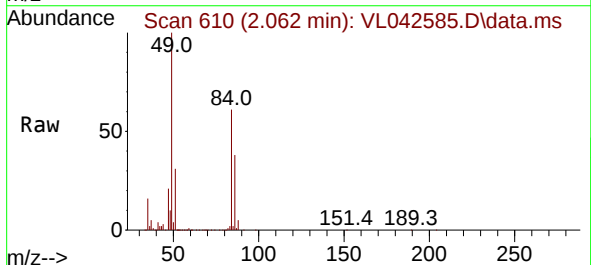
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

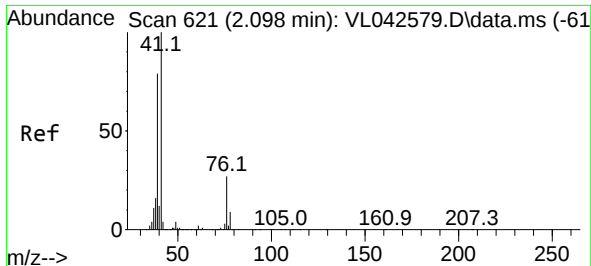
Tgt Ion: 45 Resp: 92408
Ion Ratio Lower Upper
45 100
58 38.2 29.4 44.2



#20
Methylene Chloride
Concen: 11.830 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 84 Resp: 48862
Ion Ratio Lower Upper
84 100
49 163.3 128.8 193.2
51 49.6 38.6 57.8
86 61.2 52.5 78.7

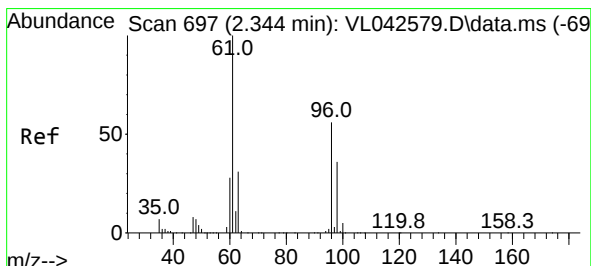
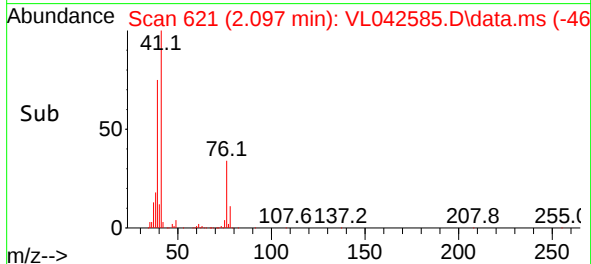
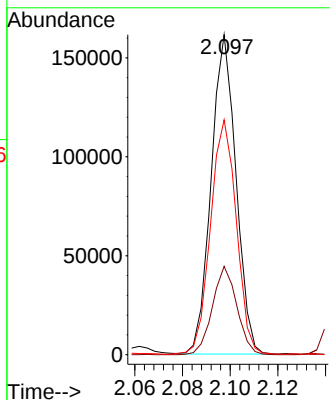
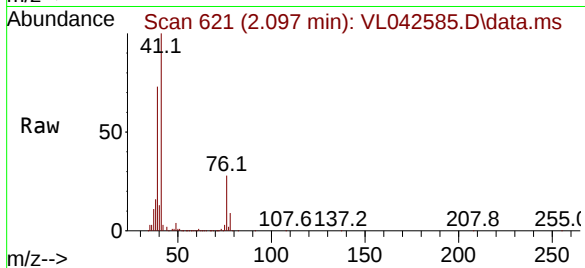




#21
 Allyl Chloride
 Concen: 13.223 ppbv
 RT: 2.097 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

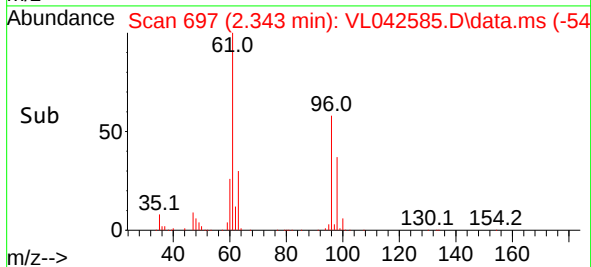
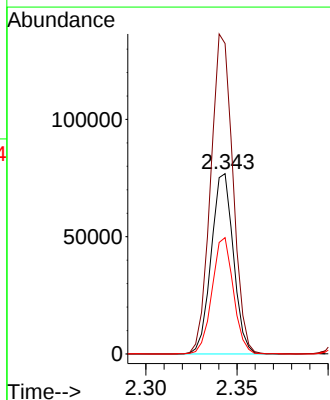
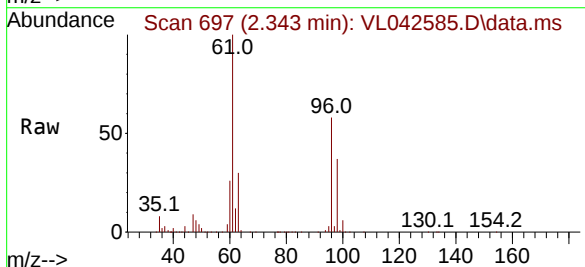
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

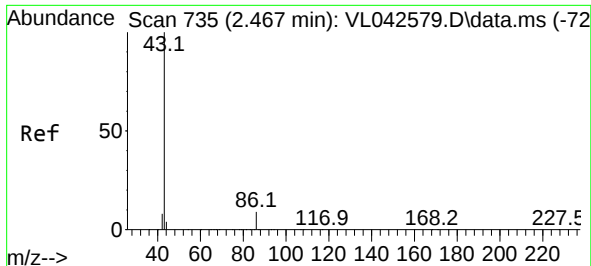
Tgt Ion: 41 Resp: 116771
 Ion Ratio Lower Upper
 41 100
 76 27.2 21.2 31.8
 39 76.1 60.9 91.3



#22
 trans-1,2-Dichloroethene
 Concen: 13.441 ppbv
 RT: 2.343 min Scan# 697
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Tgt Ion: 96 Resp: 65132
 Ion Ratio Lower Upper
 96 100
 61 172.1 142.6 214.0
 98 64.3 51.0 76.4



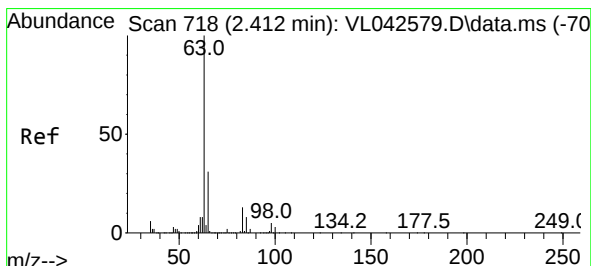
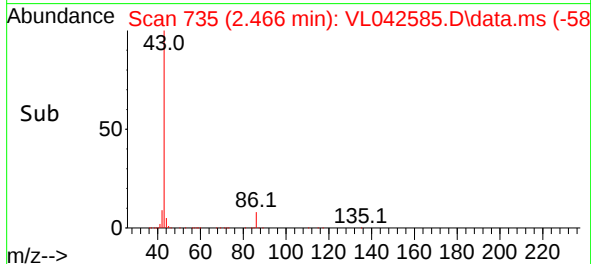
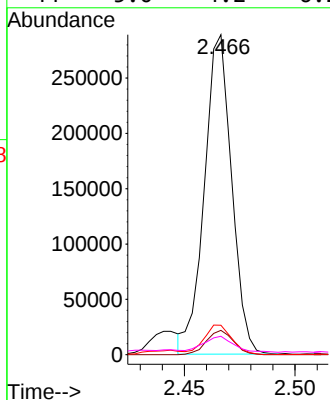
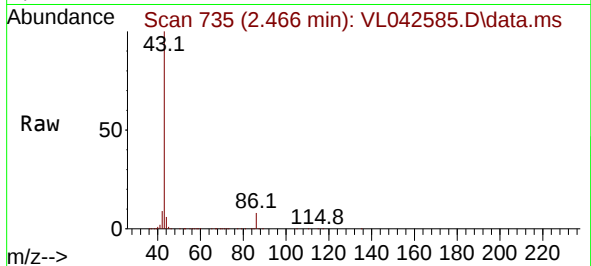


#23
 Vinyl Acetate
 Concen: 14.594 ppbv
 RT: 2.466 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

Tgt Ion: 43 Resp: 246907

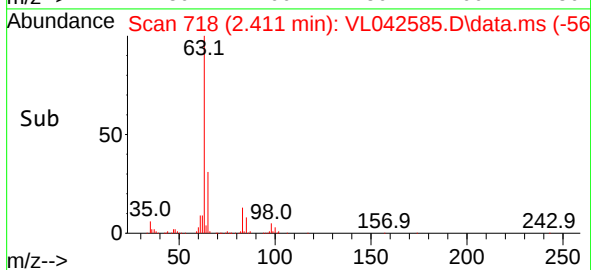
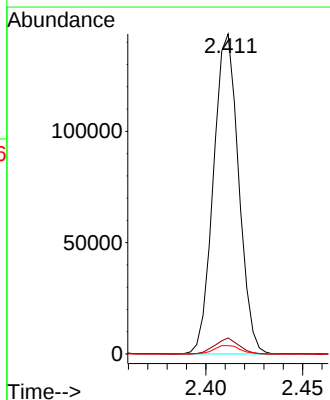
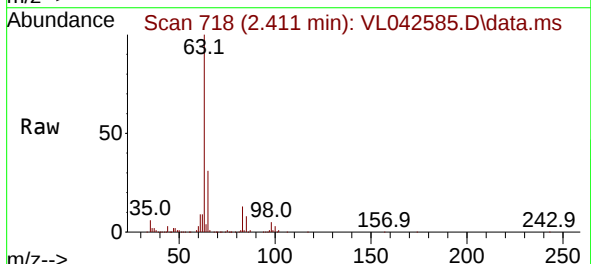
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.6	9.8
42	9.2	7.0	10.4
44	5.0	4.2	6.2

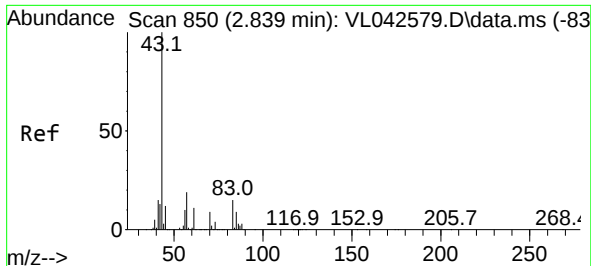


#24
 1,1-Dichloroethane
 Concen: 13.067 ppbv
 RT: 2.411 min Scan# 718
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Tgt Ion: 63 Resp: 129870

Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.4	7.1
100	2.6	1.4	4.0



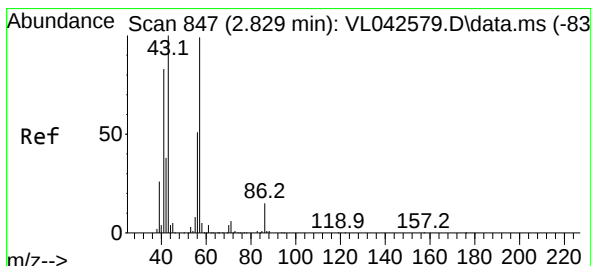
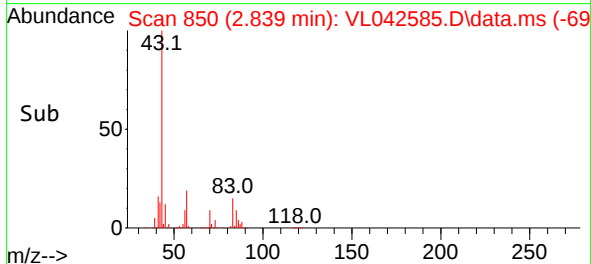
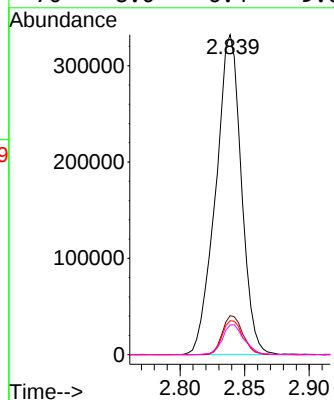
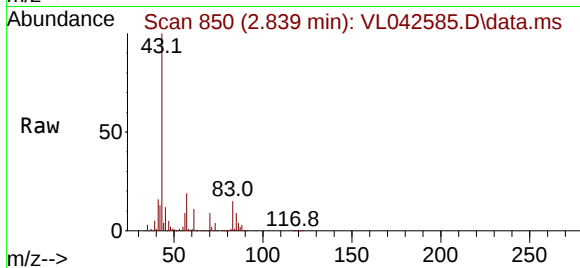


#25
Ethyl Acetate
Concen: 13.352 ppbv
RT: 2.839 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 457327

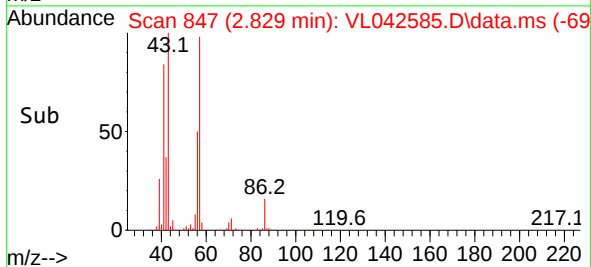
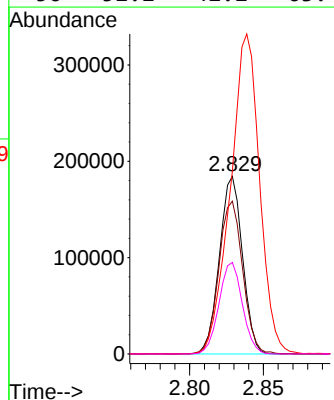
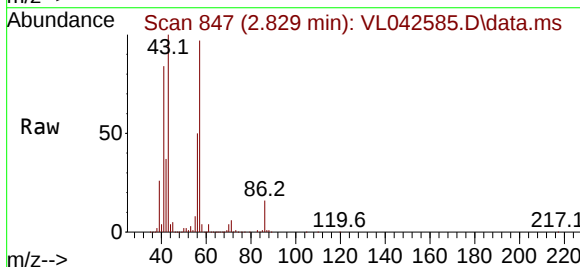
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.2	12.2
61	8.7	7.1	10.7
70	8.0	6.4	9.6

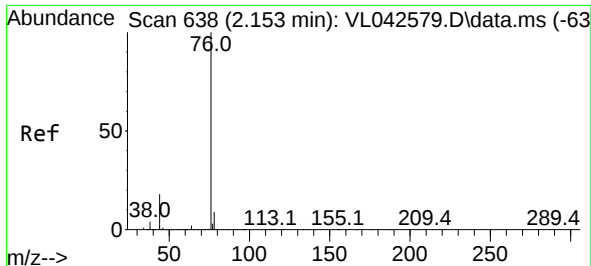


#26
Hexane
Concen: 12.876 ppbv
RT: 2.829 min Scan# 847
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 57 Resp: 200386

Ion	Ratio	Lower	Upper
57	100		
41	89.6	70.6	106.0
43	229.1	181.1	271.7
56	52.2	42.2	63.4

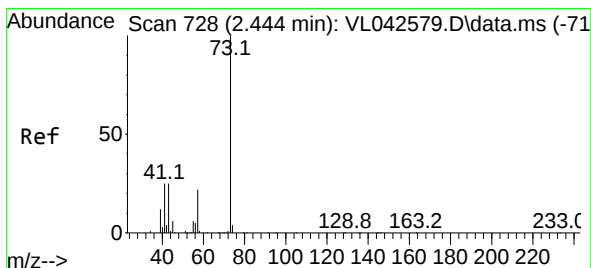
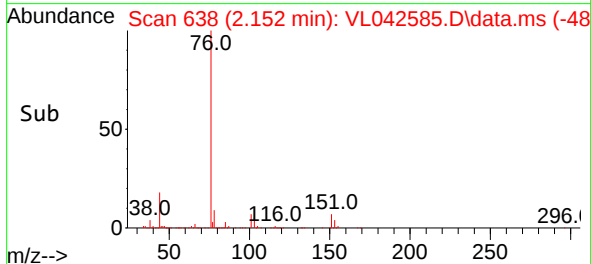
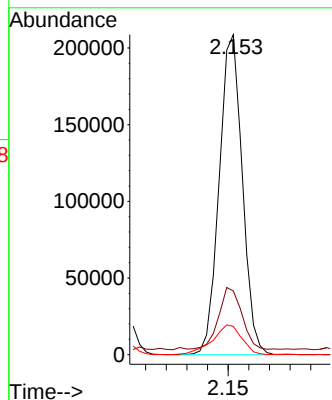
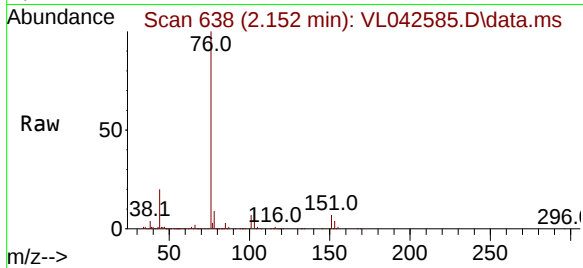




#27
Carbon Disulfide
Concen: 13.571 ppbv
RT: 2.152 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

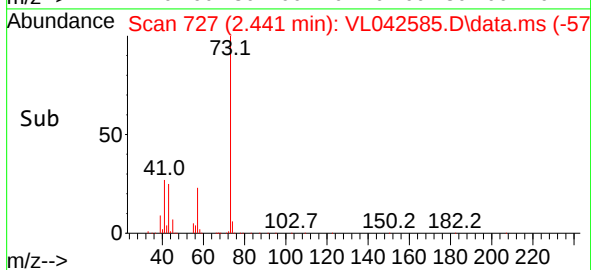
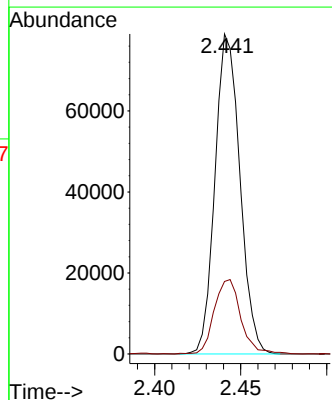
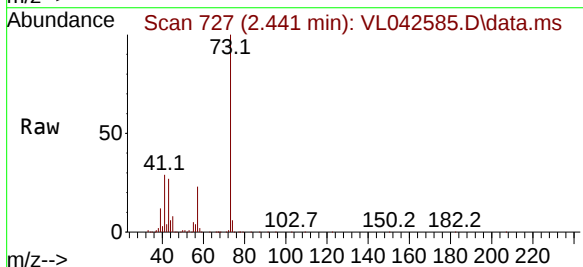
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

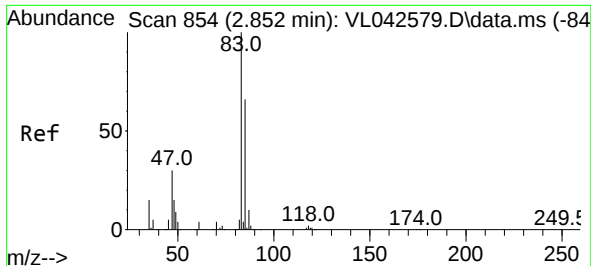
Tgt Ion: 76 Resp: 162143
Ion Ratio Lower Upper
76 100
44 23.4 21.3 31.9
78 11.9 9.4 14.0



#28
Methyl tert-Butyl Ether
Concen: 12.608 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 73 Resp: 79625
Ion Ratio Lower Upper
73 100
57 24.8 19.9 29.9

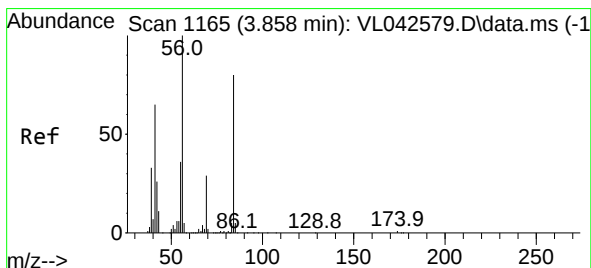
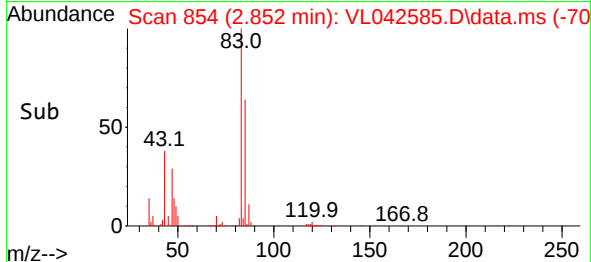
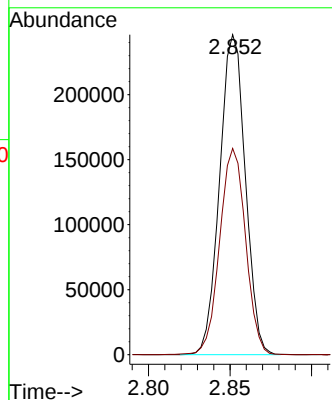
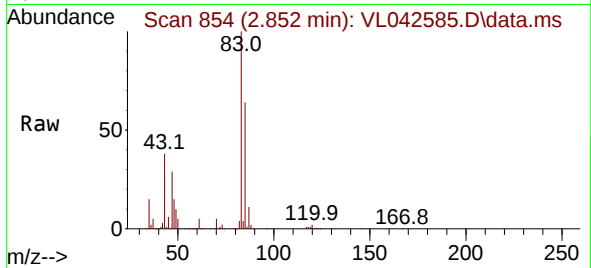




#29
Chloroform
Concen: 13.328 ppbv
RT: 2.852 min Scan# 854
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

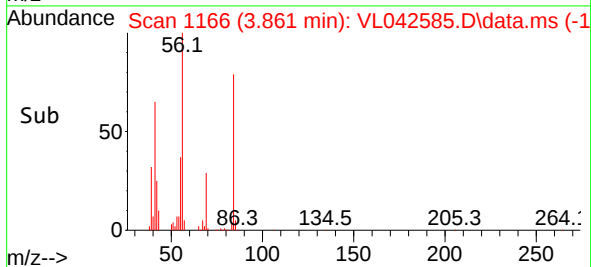
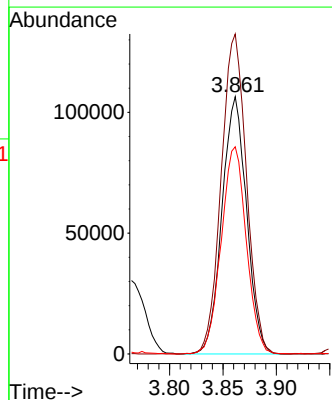
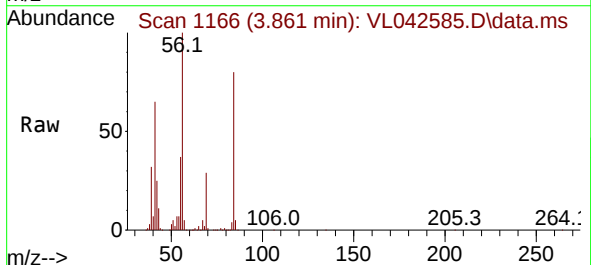
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

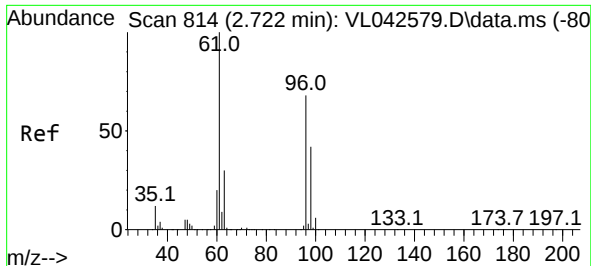
Tgt Ion: 83 Resp: 269752
Ion Ratio Lower Upper
83 100
85 64.3 52.8 79.2



#30
Cyclohexane
Concen: 13.196 ppbv
RT: 3.861 min Scan# 1166
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 84 Resp: 170261
Ion Ratio Lower Upper
84 100
56 127.6 103.7 155.5
41 82.4 65.1 97.7

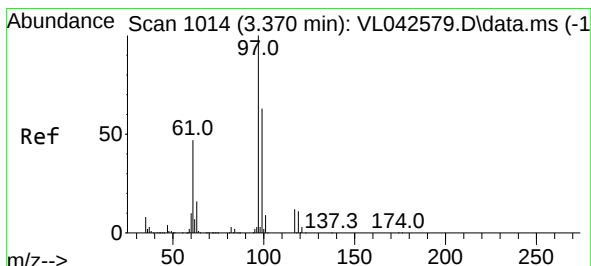
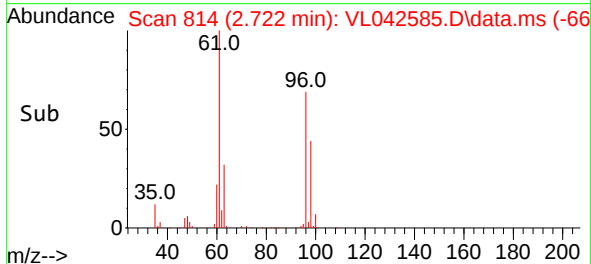
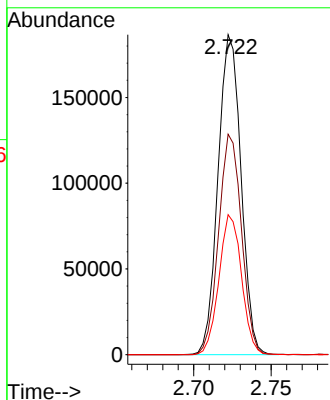
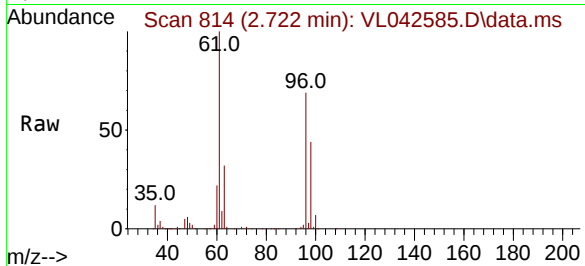




#31
 cis-1,2-Dichloroethene
 Concen: 13.526 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

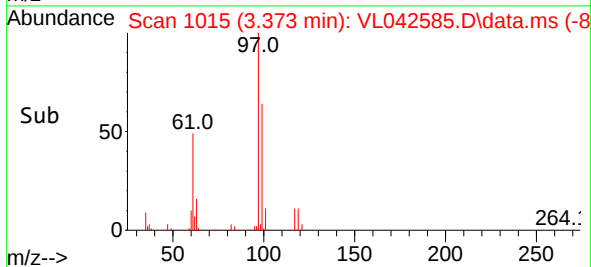
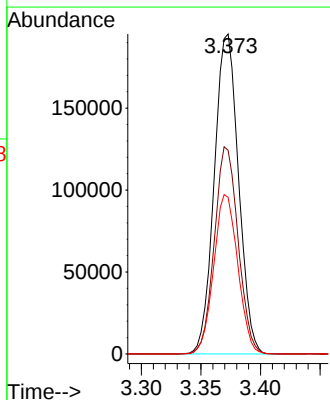
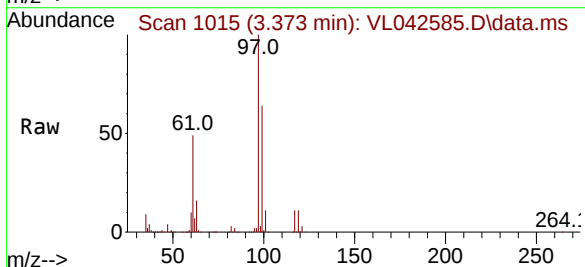
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 61 Resp: 192562
 Ion Ratio Lower Upper
 61 100
 96 68.9 54.5 81.7
 98 43.8 33.4 50.2



#32
 1,1,1-Trichloroethane
 Concen: 13.591 ppbv
 RT: 3.373 min Scan# 1015
 Delta R.T. 0.003 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Tgt Ion: 97 Resp: 276026
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.0 76.6
 61 49.6 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

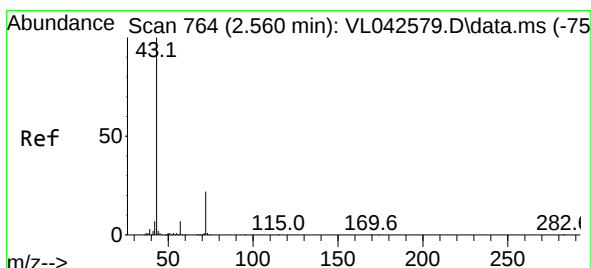
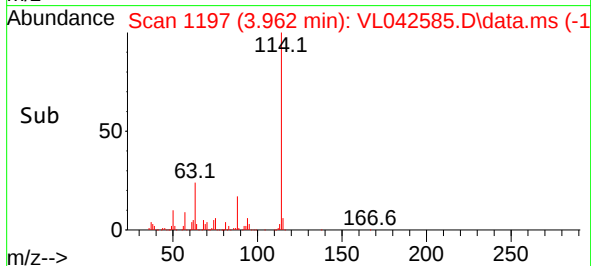
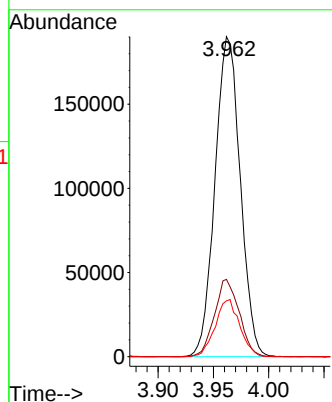
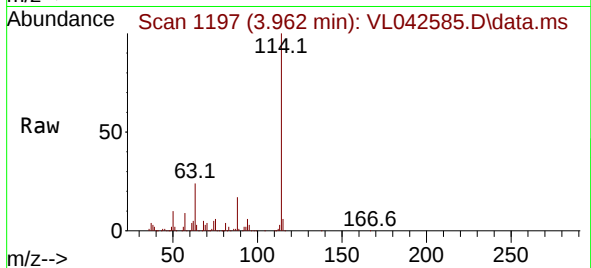
Tgt Ion:114 Resp: 301797

Ion Ratio Lower Upper

114 100

63 23.7 19.0 28.6

88 17.4 13.6 20.4



#34

2-Butanone

Concen: 13.689 ppbv

RT: 2.560 min Scan# 764

Delta R.T. -0.000 min

Lab File: VL042585.D

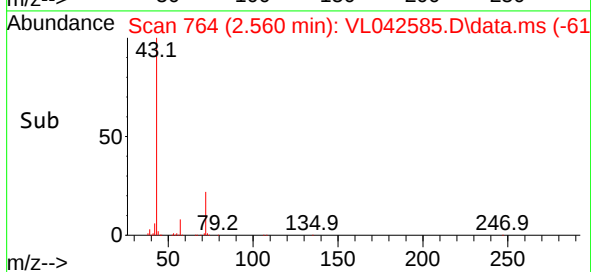
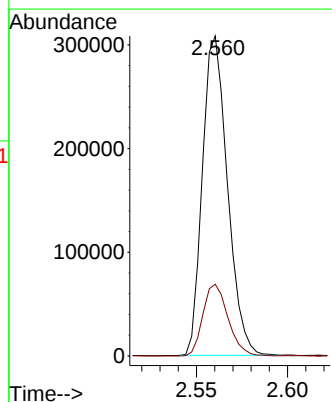
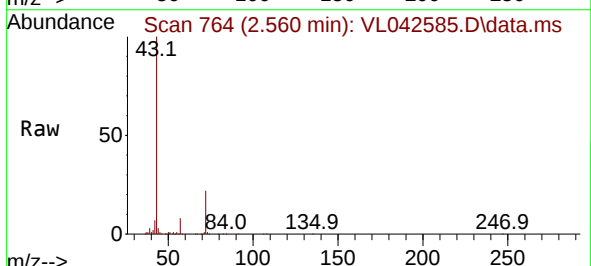
Acq: 29 May 2025 14:24

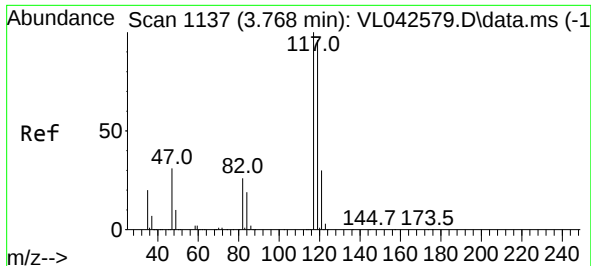
Tgt Ion: 43 Resp: 294628

Ion Ratio Lower Upper

43 100

72 22.5 17.7 26.5

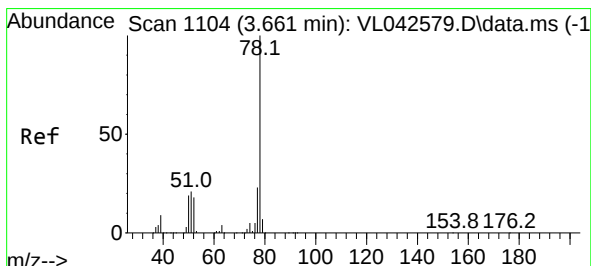
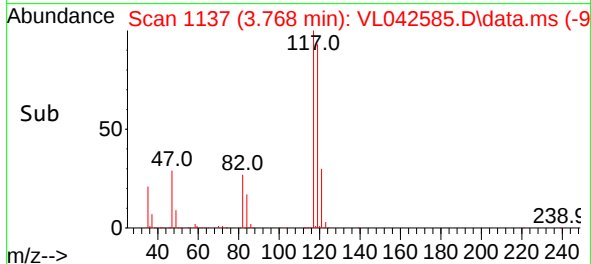
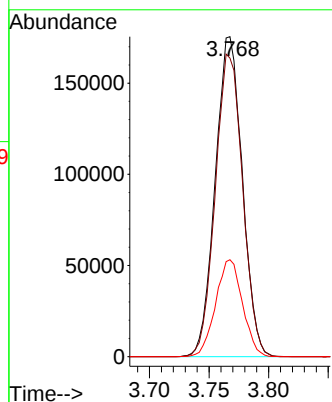
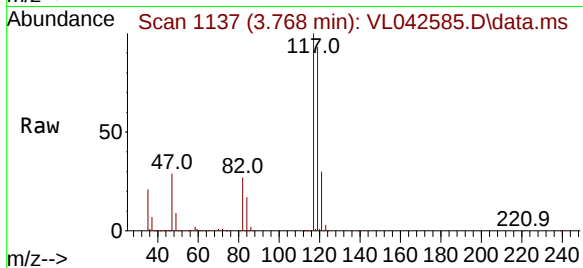




#35
Carbon Tetrachloride
Concen: 13.903 ppbv
RT: 3.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

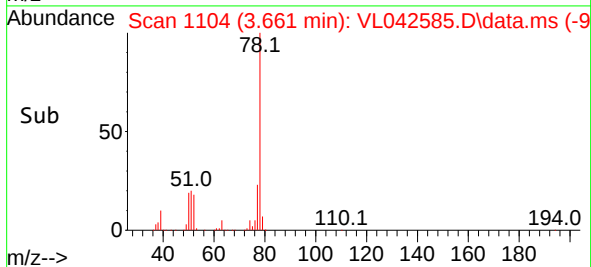
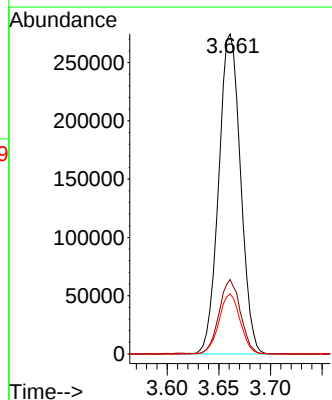
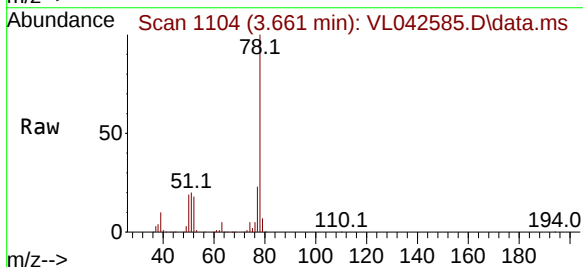
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

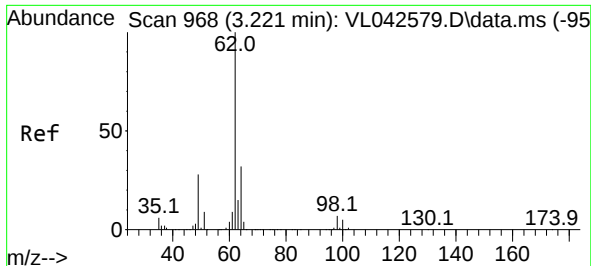
Tgt Ion:117 Resp: 277042
Ion Ratio Lower Upper
117 100
119 93.2 76.8 115.2
121 30.3 24.3 36.5



#36
Benzene
Concen: 13.615 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 78 Resp: 404641
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2
50 18.7 15.2 22.8





#37

1,2-Dichloroethane

Concen: 14.088 ppbv

RT: 3.221 min Scan# 9

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

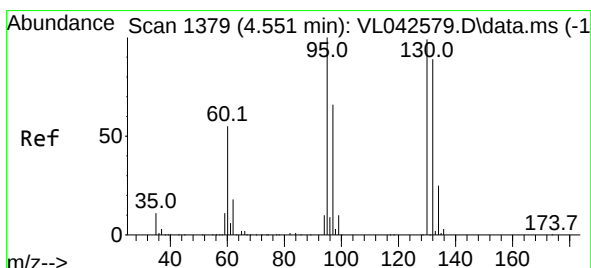
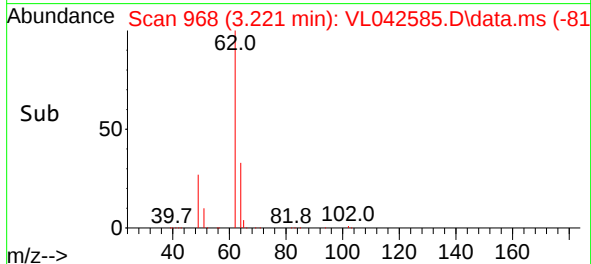
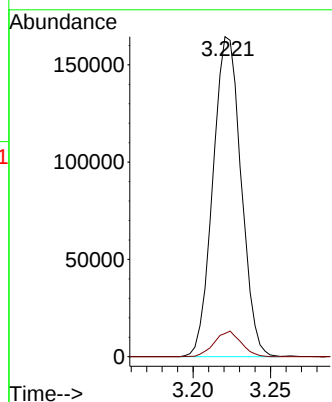
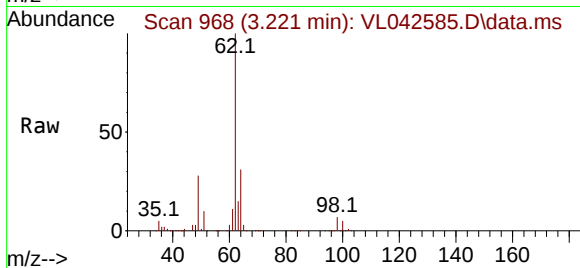
VSTDIC015

Tgt Ion: 62 Resp: 208081

Ion Ratio Lower Upper

62 100

98 7.6 6.1 9.1



#38

Trichloroethene

Concen: 13.263 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Tgt Ion:130 Resp: 168824

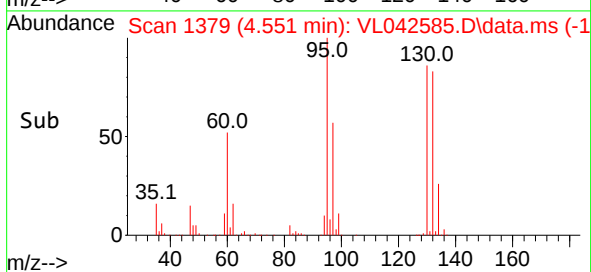
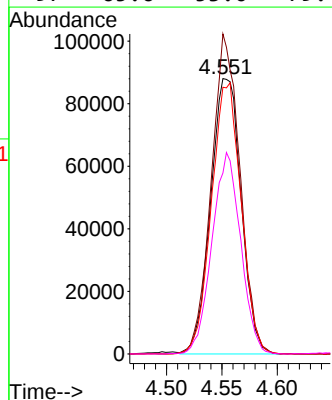
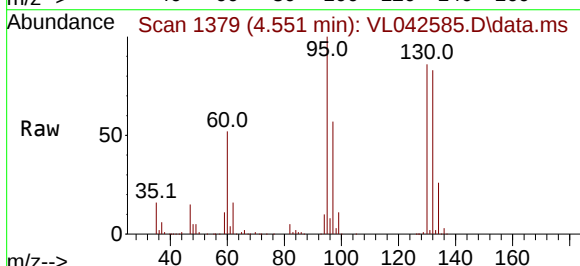
Ion Ratio Lower Upper

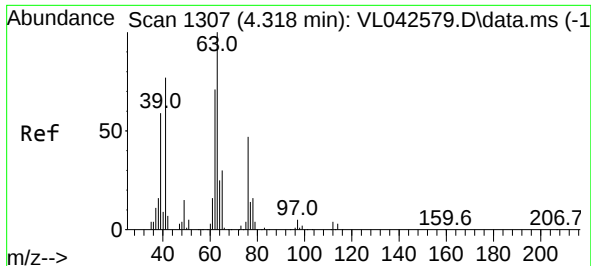
130 100

95 116.2 80.6 121.0

132 96.9 71.8 107.6

97 65.6 53.0 79.4





#39

1,2-Dichloropropane

Concen: 13.606 ppbv

RT: 4.318 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

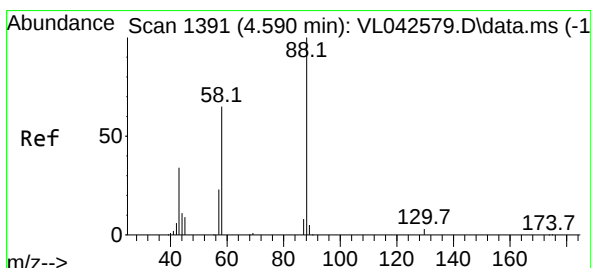
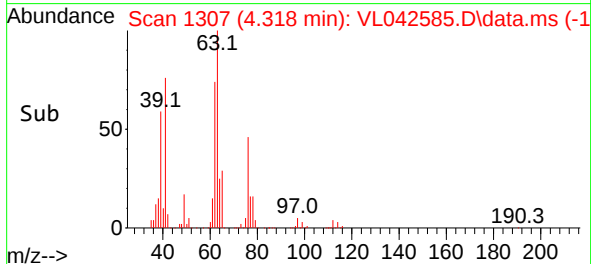
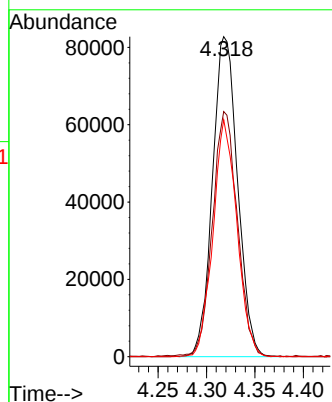
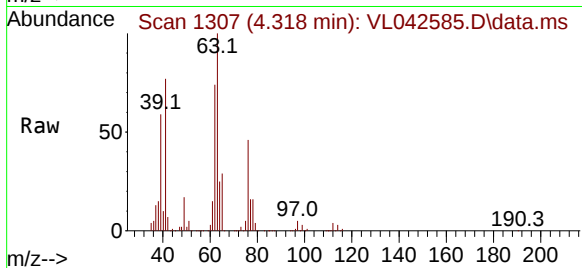
Tgt Ion: 63 Resp: 149476

Ion Ratio Lower Upper

63 100

41 76.3 61.8 92.6

62 74.0 56.6 85.0



#40

1,4-Dioxane

Concen: 14.035 ppbv

RT: 4.590 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Tgt Ion: 88 Resp: 65543

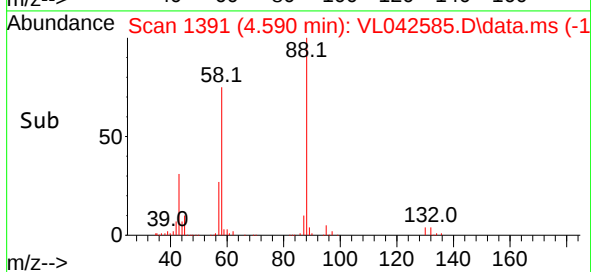
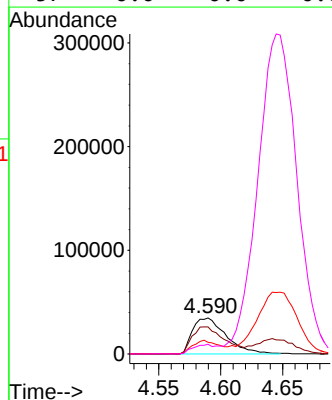
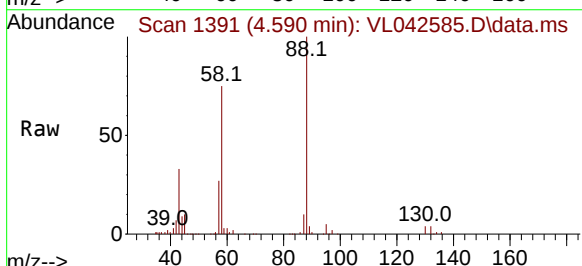
Ion Ratio Lower Upper

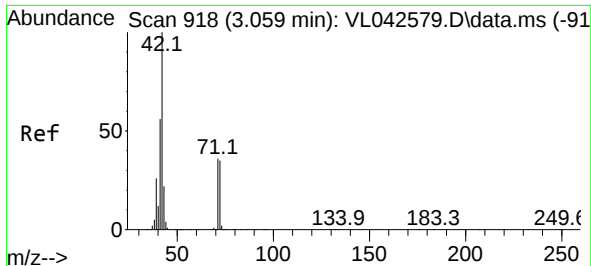
88 100

58 70.8 55.8 83.8

43 29.8 24.8 37.2

57 0.0 0.0 0.0

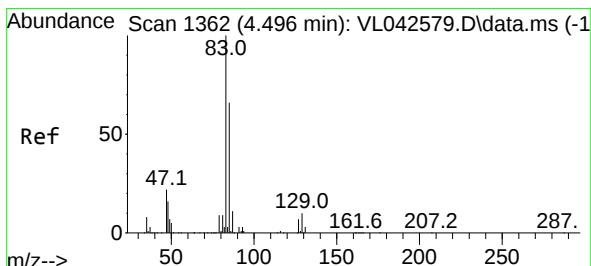
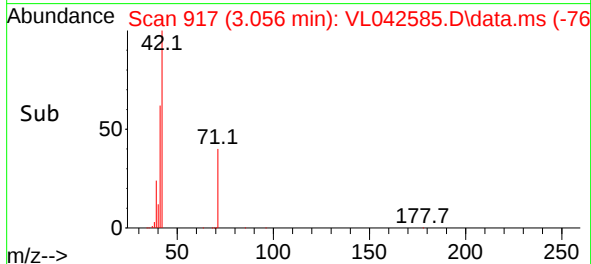
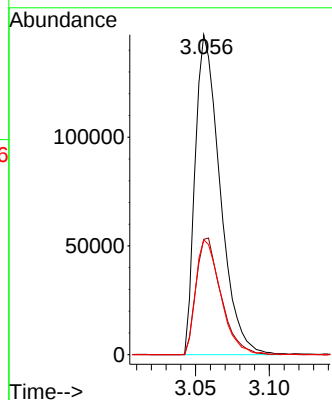
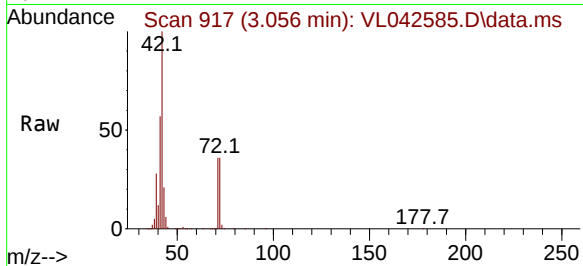




#41
Tetrahydrofuran
Concen: 13.734 ppbv
RT: 3.056 min Scan# 918
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

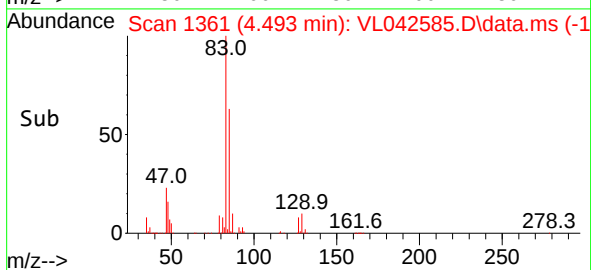
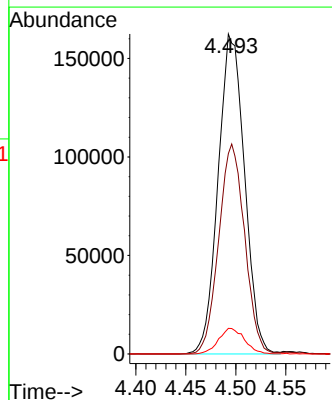
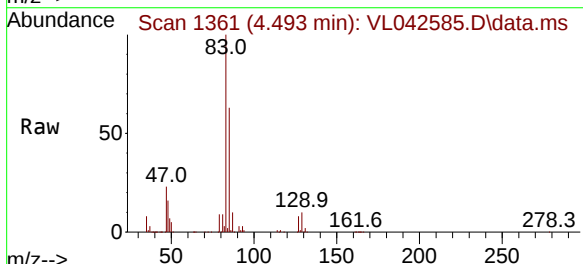
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

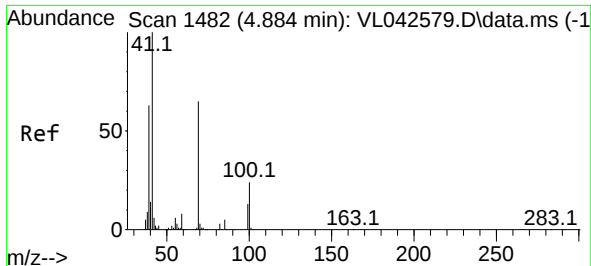
Tgt Ion: 42 Resp: 173023
Ion Ratio Lower Upper
42 100
72 36.7 28.9 43.3
71 35.8 28.5 42.7



#42
Bromodichloromethane
Concen: 14.245 ppbv
RT: 4.493 min Scan# 1361
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 83 Resp: 298835
Ion Ratio Lower Upper
83 100
85 62.6 52.7 79.1
127 8.0 5.8 8.6

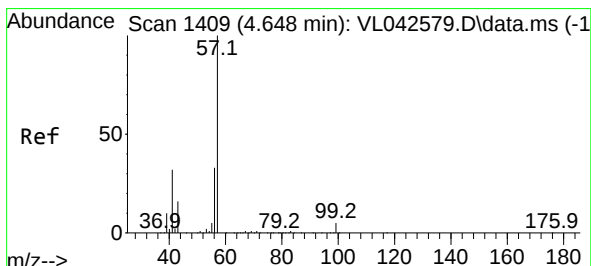
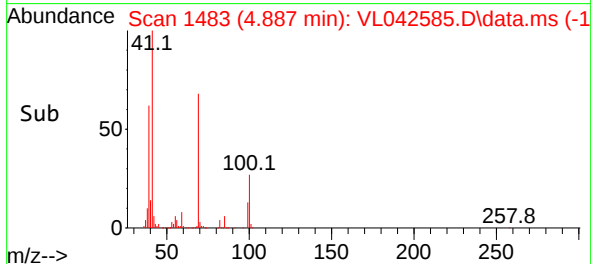
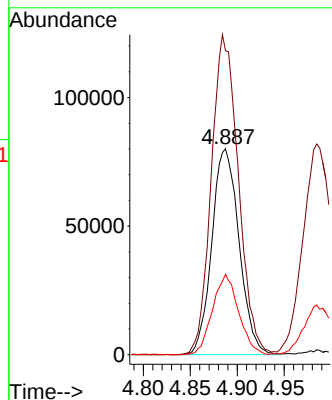
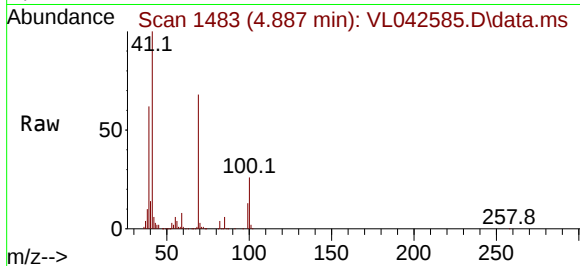




#43
Methyl Methacrylate
Concen: 14.033 ppbv
RT: 4.887 min Scan# 1482
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

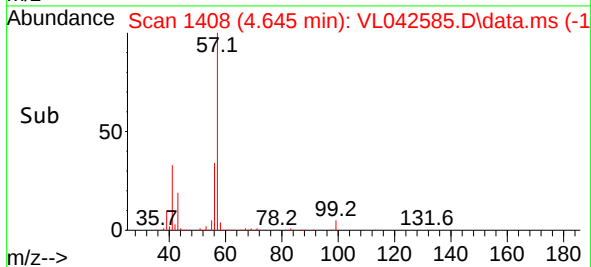
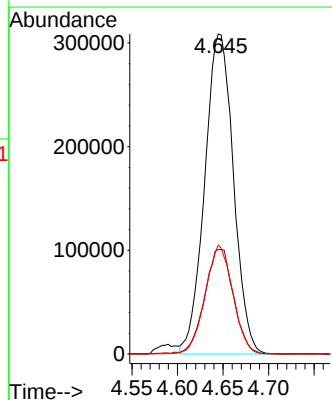
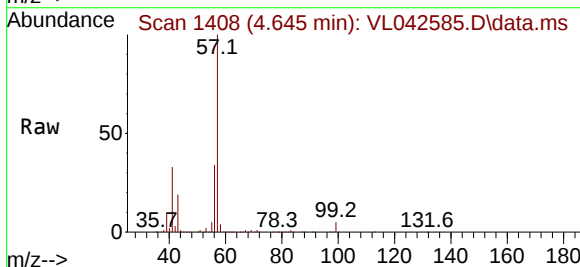
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

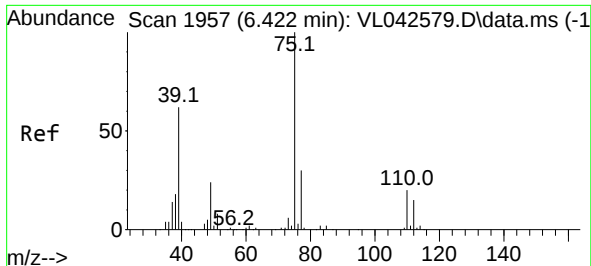
Tgt Ion: 69 Resp: 161641
Ion Ratio Lower Upper
69 100
41 154.3 124.6 187.0
100 37.3 29.9 44.9



#44
2,2,4-Trimethylpentane
Concen: 13.319 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 57 Resp: 676574
Ion Ratio Lower Upper
57 100
41 33.1 26.1 39.1
56 32.7 25.9 38.9

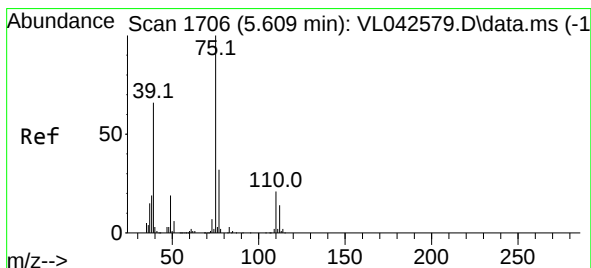
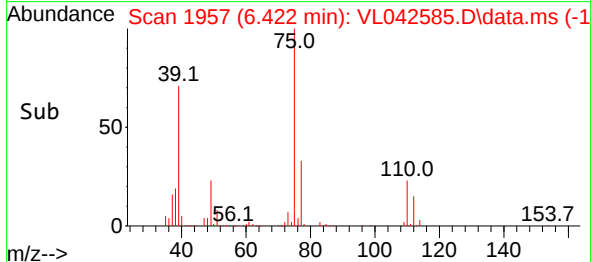
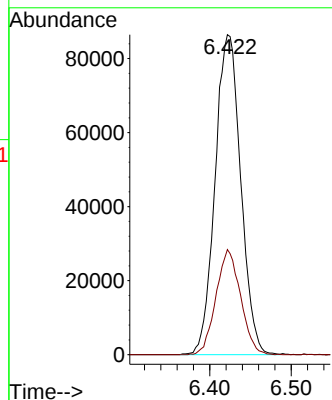
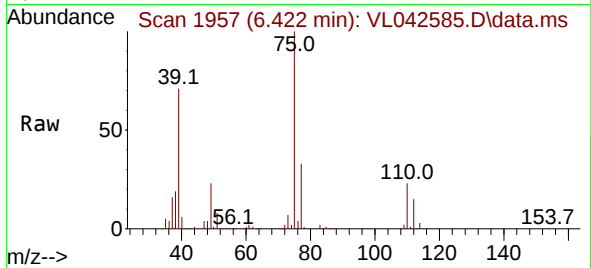




#45
 t-1,3-Dichloropropene
 Concen: 14.338 ppbv
 RT: 6.422 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

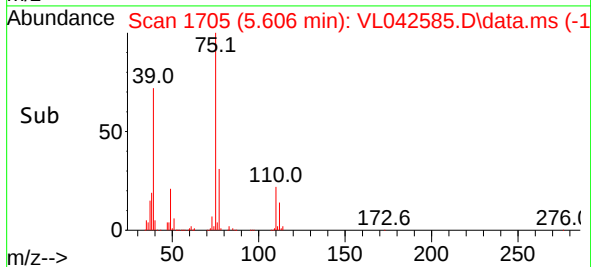
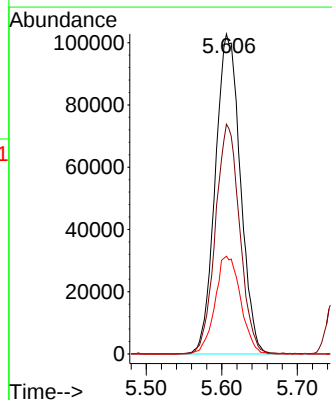
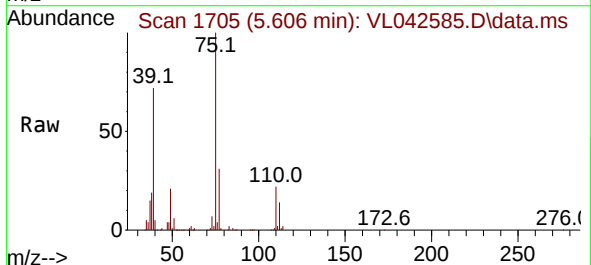
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

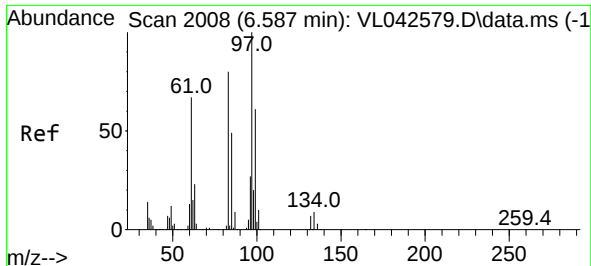
Tgt Ion: 75 Resp: 189257
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.2 36.2



#46
 cis-1,3-Dichloropropene
 Concen: 14.313 ppbv
 RT: 5.606 min Scan# 1705
 Delta R.T. -0.003 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Tgt Ion: 75 Resp: 236653
 Ion Ratio Lower Upper
 75 100
 39 71.7 52.7 79.1
 77 30.6 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 13.524 ppbv

RT: 6.590 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 153862

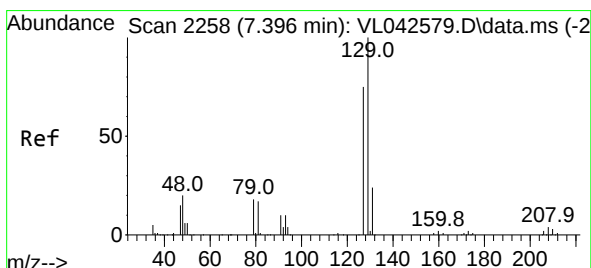
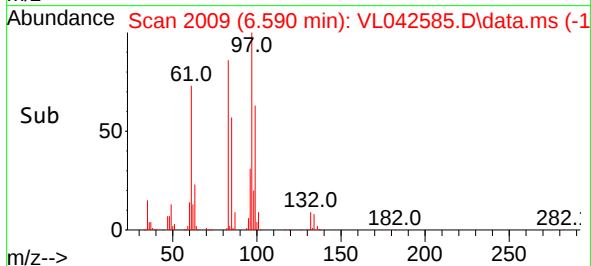
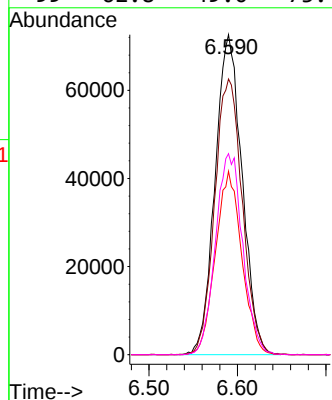
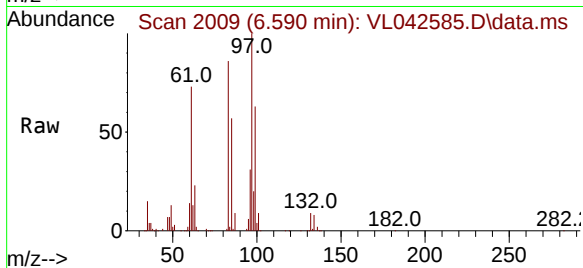
Ion Ratio Lower Upper

97 100

83 86.0 63.9 95.9

85 57.3 39.2 58.8

99 62.8 49.0 73.4



#48

Dibromochloromethane

Concen: 14.187 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VL042585.D

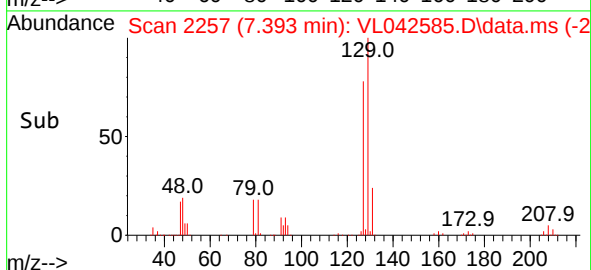
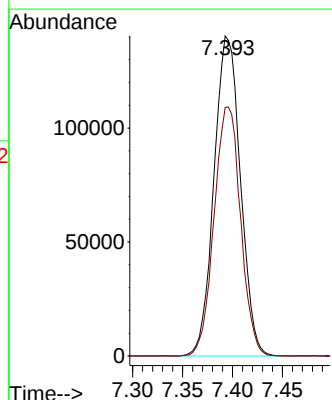
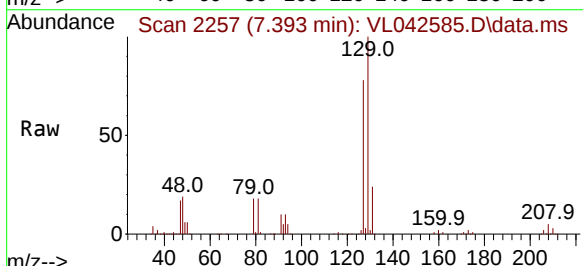
Acq: 29 May 2025 14:24

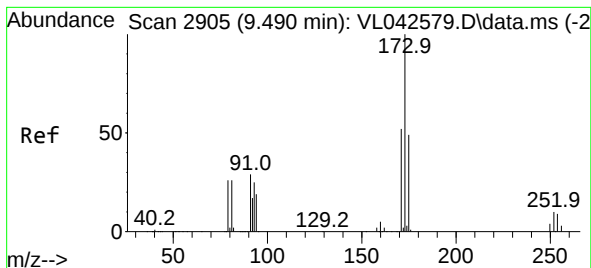
Tgt Ion: 129 Resp: 258374

Ion Ratio Lower Upper

129 100

127 78.0 39.0 116.9





#49

Bromoform

Concen: 14.427 ppbv

RT: 9.490 min Scan# 2905

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

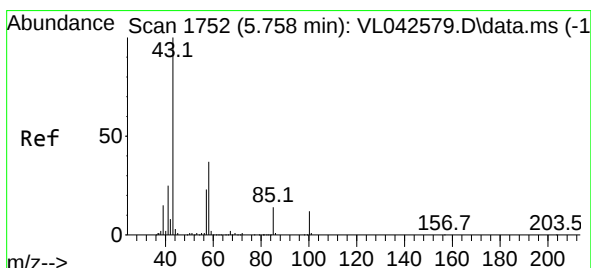
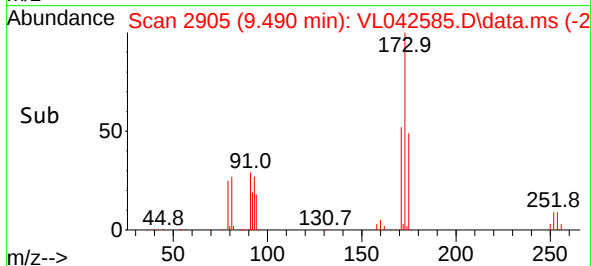
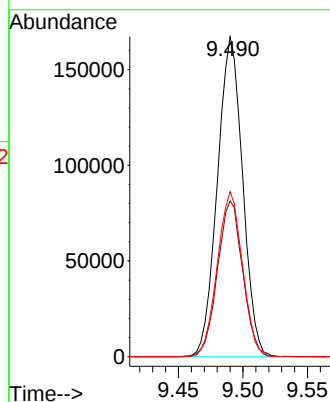
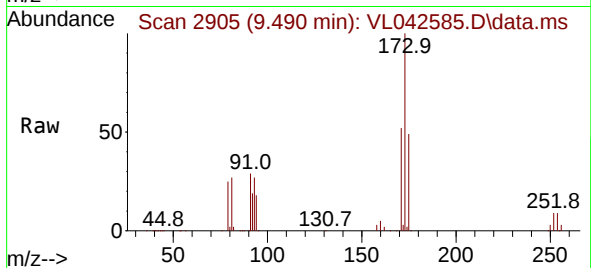
Tgt Ion:173 Resp: 226719

Ion Ratio Lower Upper

173 100

175 48.6 38.7 58.1

171 51.5 41.2 61.8



#50

4-Methyl-2-Pentanone

Concen: 13.882 ppbv

RT: 5.758 min Scan# 1752

Delta R.T. -0.000 min

Lab File: VL042585.D

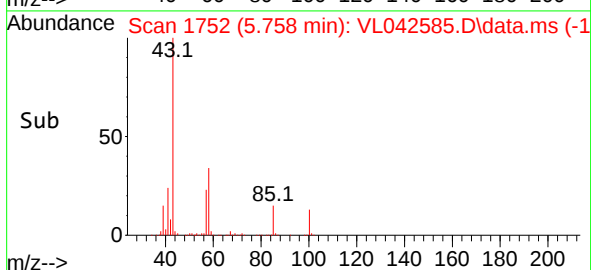
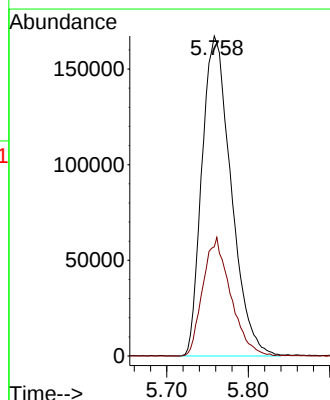
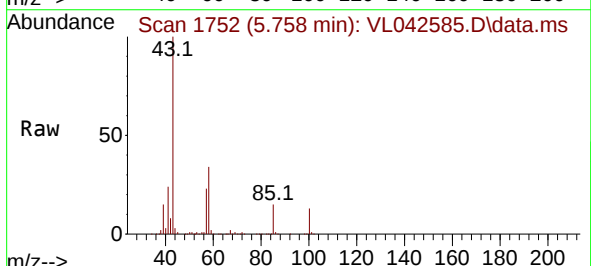
Acq: 29 May 2025 14:24

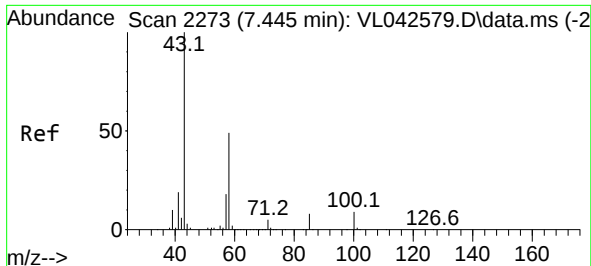
Tgt Ion: 43 Resp: 416119

Ion Ratio Lower Upper

43 100

58 35.4 28.3 42.5

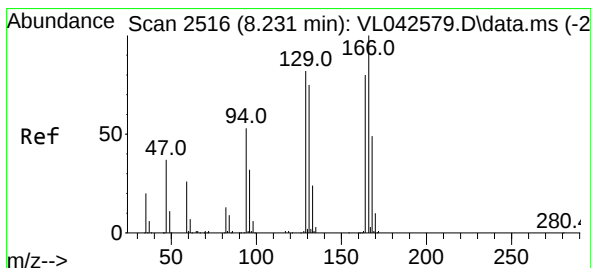
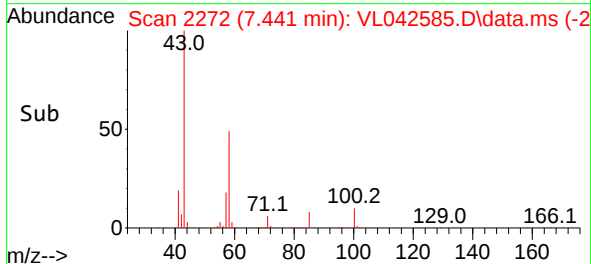
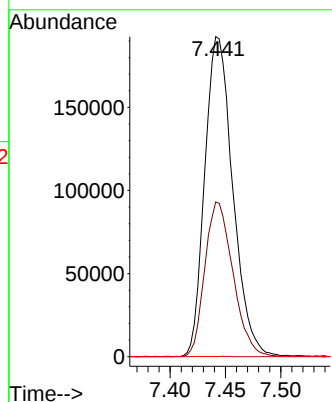
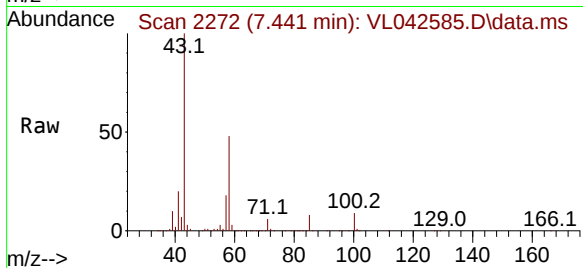




#51
2-Hexanone
Concen: 14.328 ppbv
RT: 7.441 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

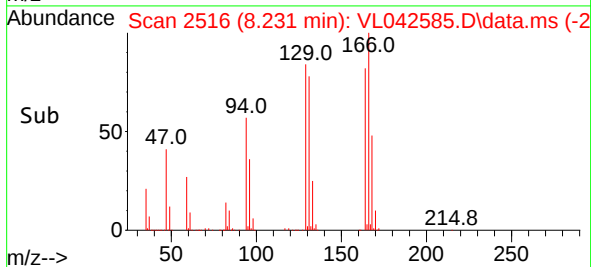
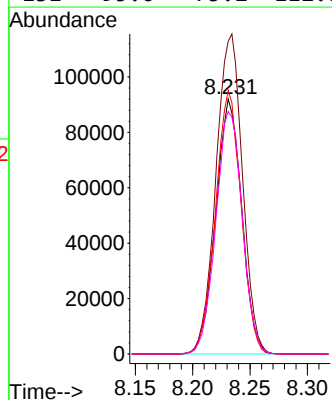
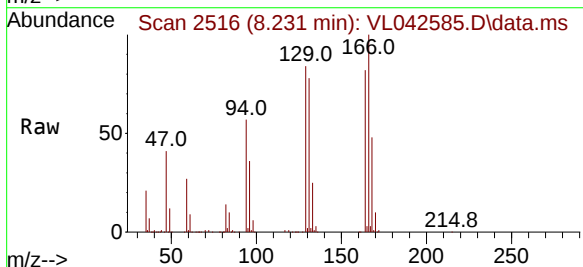
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

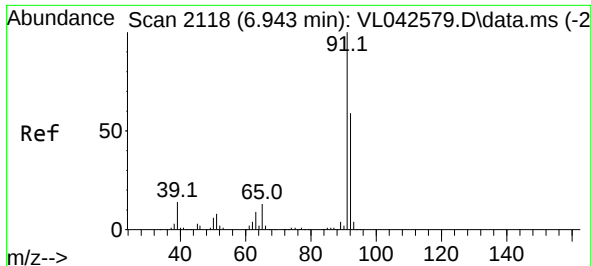
Tgt Ion: 43 Resp: 339220
Ion Ratio Lower Upper
43 100
58 48.6 39.9 59.9
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 13.098 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 164 Resp: 145485
Ion Ratio Lower Upper
164 100
166 122.6 100.0 150.0
129 103.3 82.2 123.4
131 95.0 75.2 112.8

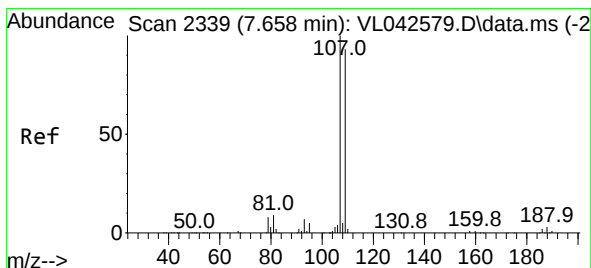
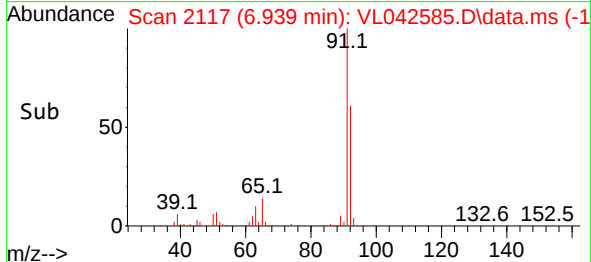
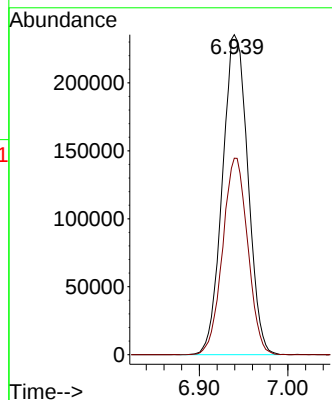
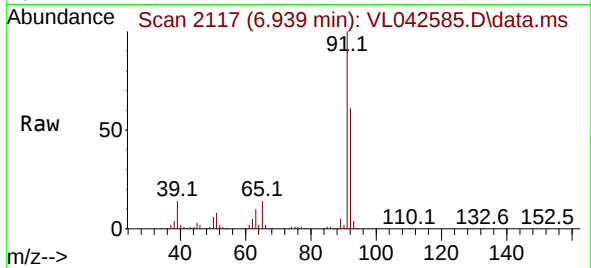




#53
Toluene
Concen: 13.702 ppbv
RT: 6.939 min Scan# 2118
Delta R.T. -0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

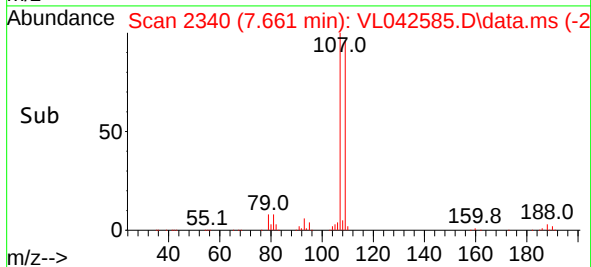
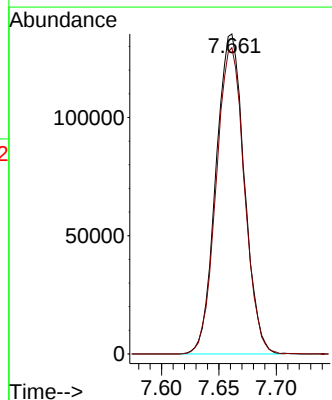
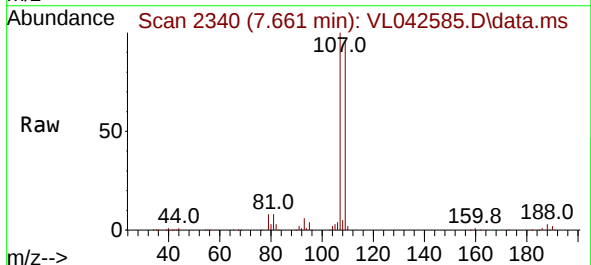
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

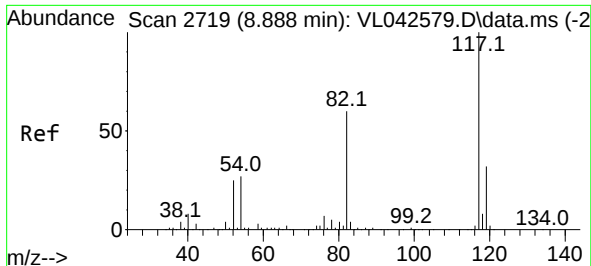
Tgt Ion: 91 Resp: 470632
Ion Ratio Lower Upper
91 100
92 60.5 48.2 72.4



#54
1,2-Dibromoethane
Concen: 13.758 ppbv
RT: 7.661 min Scan# 2340
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 107 Resp: 232051
Ion Ratio Lower Upper
107 100
109 95.7 74.3 111.5

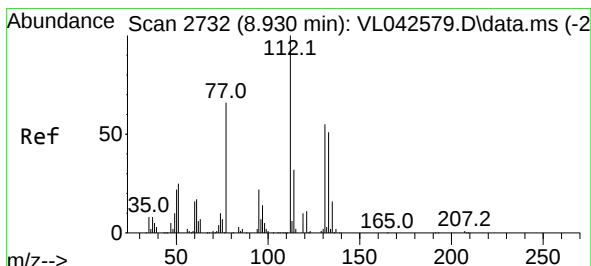
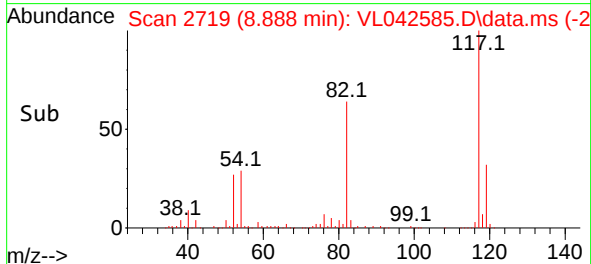
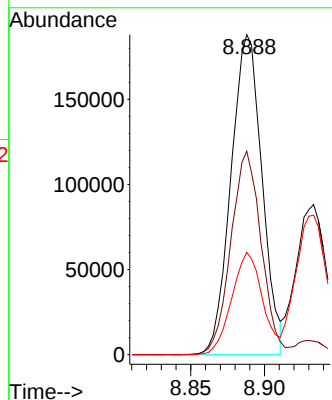
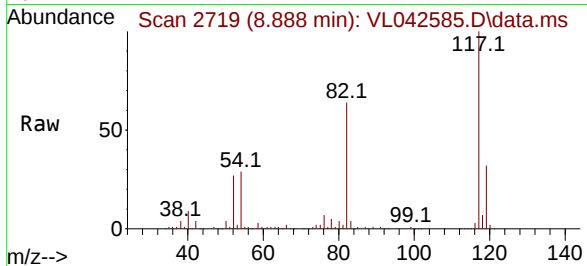




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

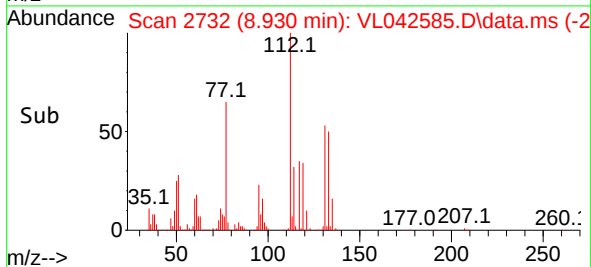
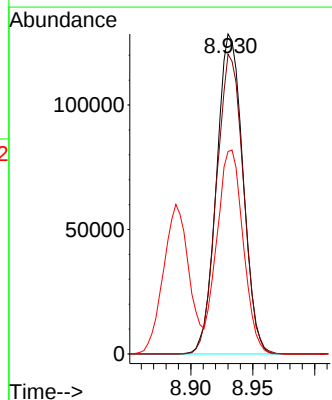
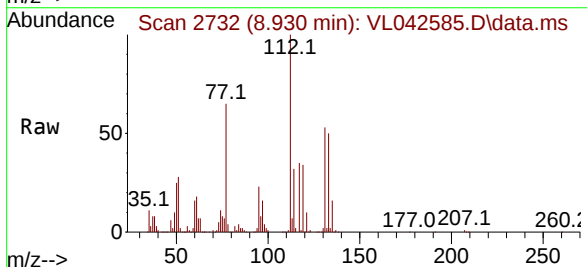
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

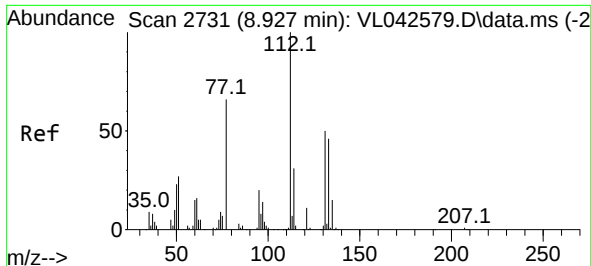
Tgt Ion:117 Resp: 274912
Ion Ratio Lower Upper
117 100
82 66.6 51.2 76.8
119 32.0 26.3 39.5



#56
1,1,1,2-Tetrachloroethane
Concen: 13.828 ppbv
RT: 8.930 min Scan# 2732
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:131 Resp: 191145
Ion Ratio Lower Upper
131 100
133 94.8 75.0 112.6
119 64.0 50.8 76.2

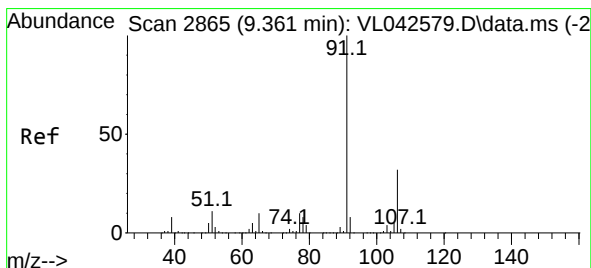
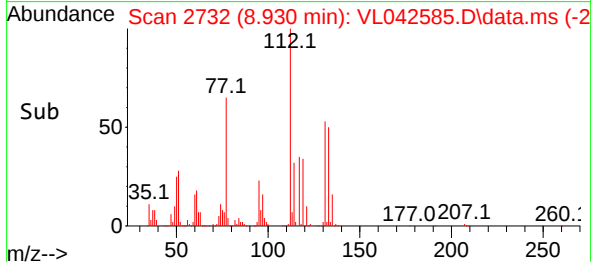
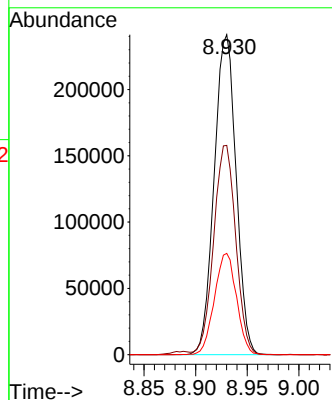
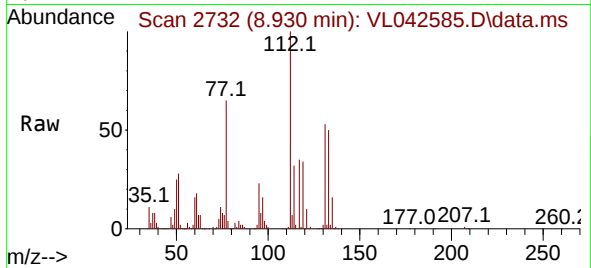




#57
Chlorobenzene
Concen: 13.361 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

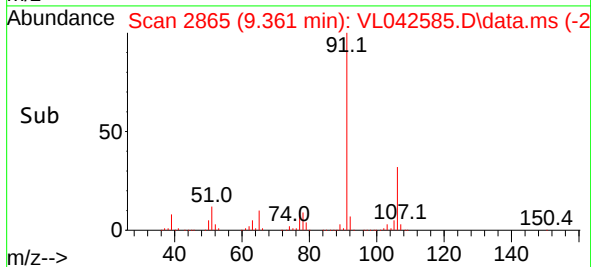
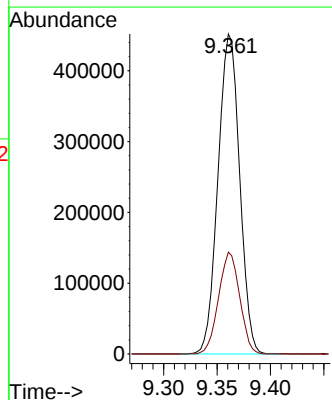
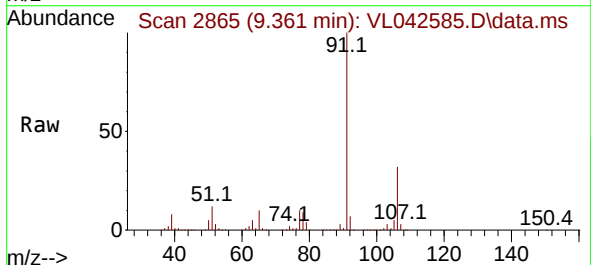
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC015

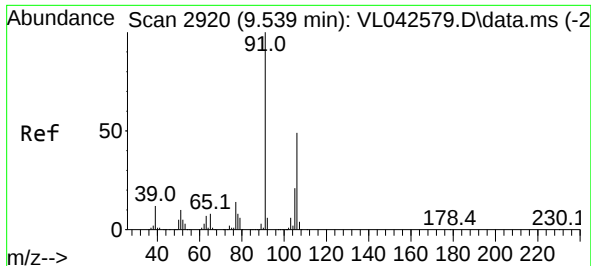
Tgt Ion:112 Resp: 356655
Ion Ratio Lower Upper
112 100
77 65.4 53.5 80.3
114 31.7 27.8 34.0



#58
Ethyl Benzene
Concen: 13.662 ppbv
RT: 9.361 min Scan# 2865
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 637083
Ion Ratio Lower Upper
91 100
106 31.8 25.9 38.9





#59

m/p-Xylene

Concen: 14.249 ppbv

RT: 9.539 min Scan# 2920

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_1

ClientSampleId :

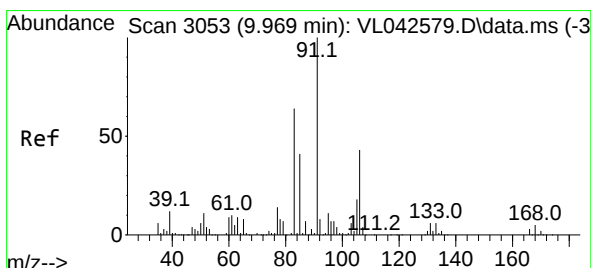
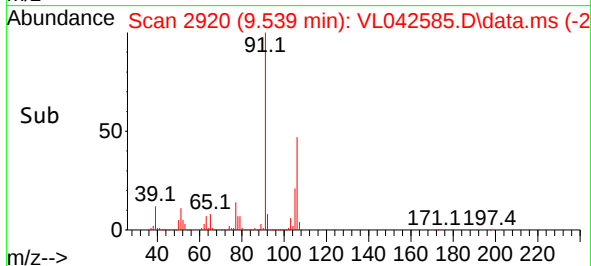
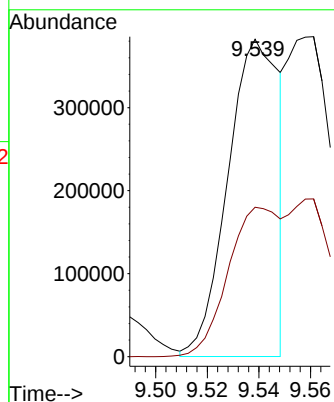
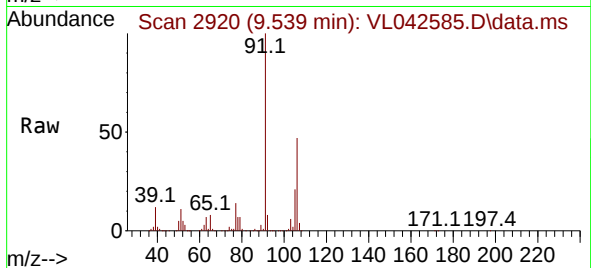
VSTDIC015

Tgt Ion: 91 Resp: 523032

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 13.389 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042585.D

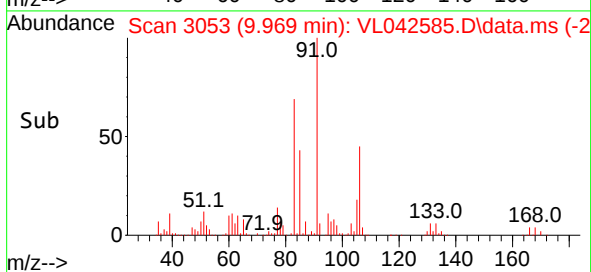
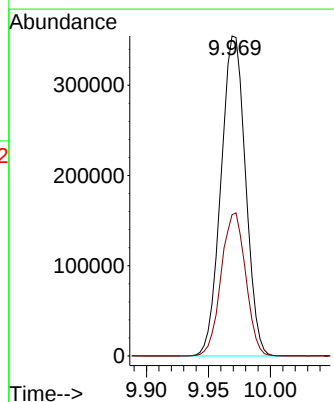
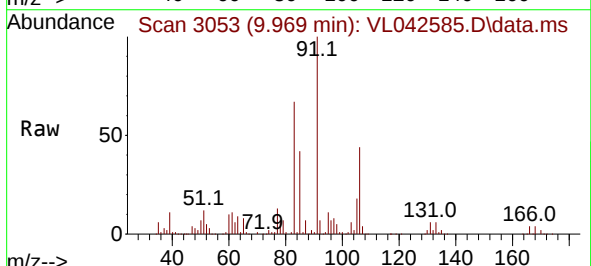
Acq: 29 May 2025 14:24

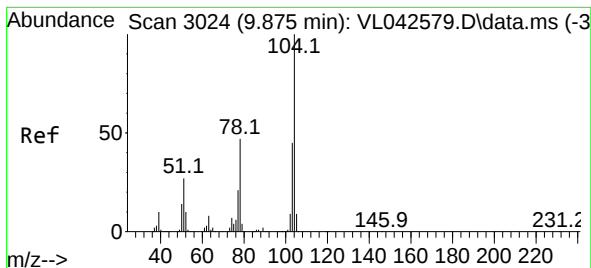
Tgt Ion: 91 Resp: 490036

Ion Ratio Lower Upper

91 100

106 44.7 22.9 68.5





#61

Styrene

Concen: 14.199 ppbv

RT: 9.875 min Scan# 3024

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

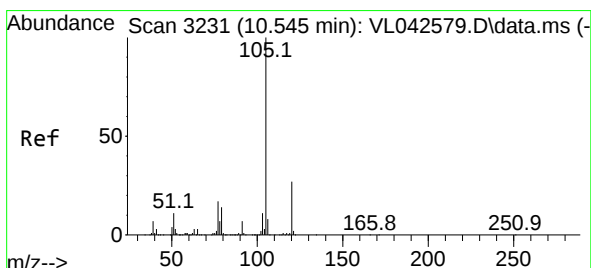
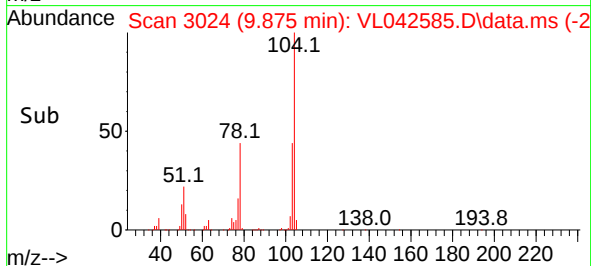
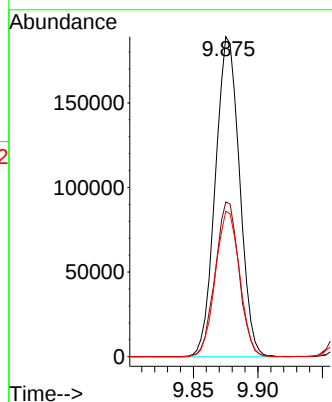
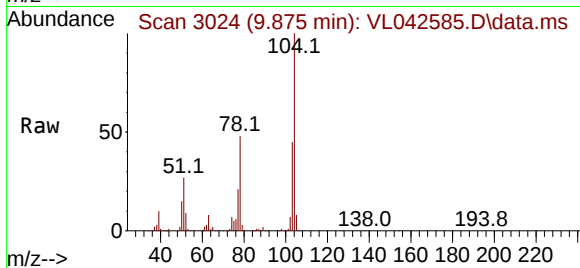
Tgt Ion:104 Resp: 245714

Ion Ratio Lower Upper

104 100

78 47.9 38.2 57.4

103 45.8 36.7 55.1



#62

Isopropylbenzene

Concen: 13.356 ppbv

RT: 10.545 min Scan# 3231

Delta R.T. -0.000 min

Lab File: VL042585.D

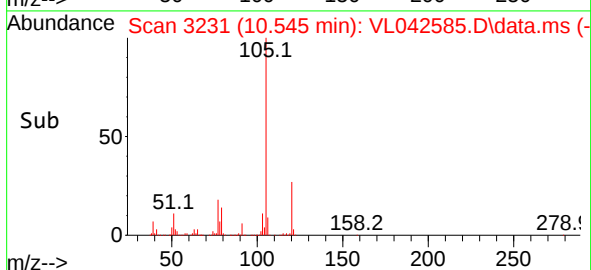
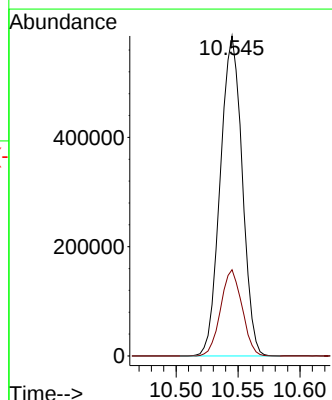
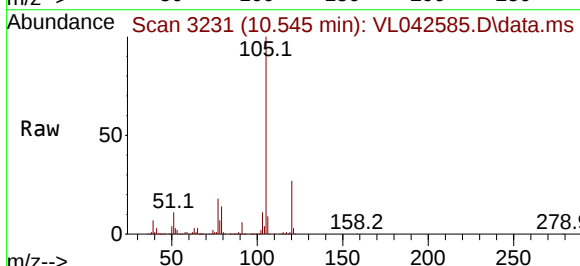
Acq: 29 May 2025 14:24

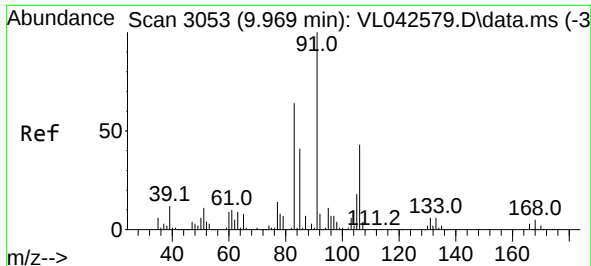
Tgt Ion:105 Resp: 722166

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3





#63

1,1,2,2-Tetrachloroethane

Concen: 12.875 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

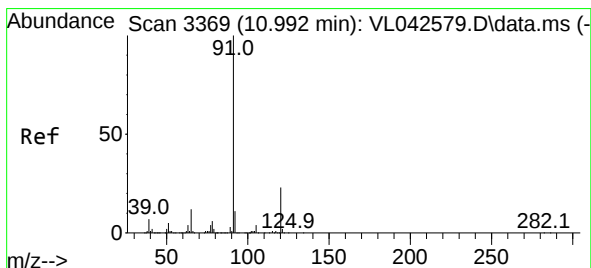
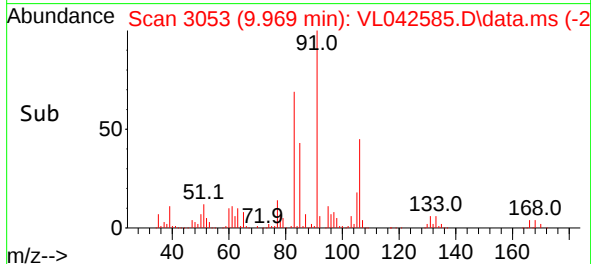
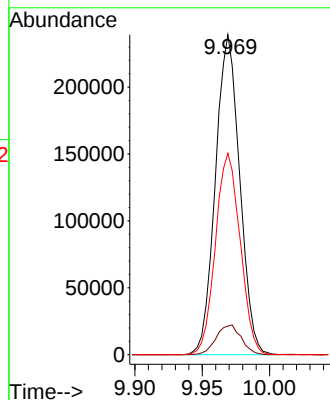
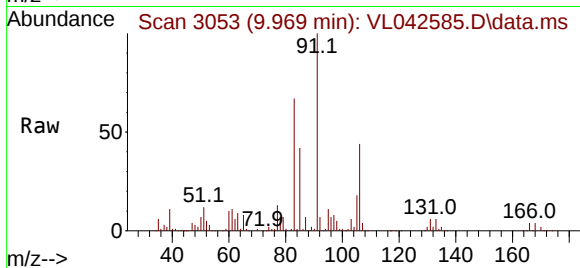
Tgt Ion: 83 Resp: 299633

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.4

85 64.2 32.5 97.4



#64

n-propylbenzene

Concen: 13.519 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.003 min

Lab File: VL042585.D

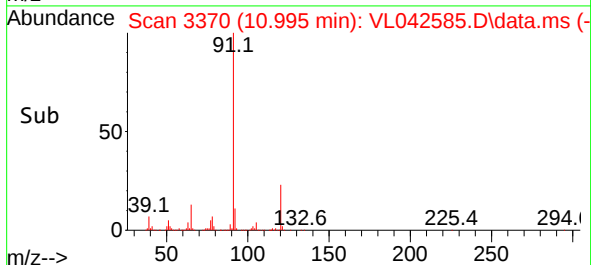
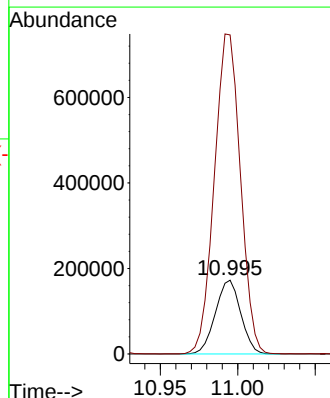
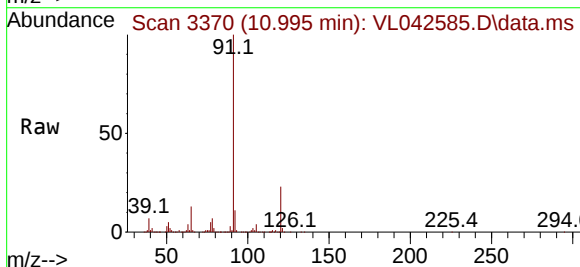
Acq: 29 May 2025 14:24

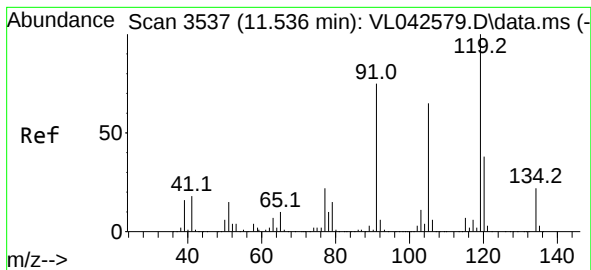
Tgt Ion: 120 Resp: 195952

Ion Ratio Lower Upper

120 100

91 446.5 363.0 544.6

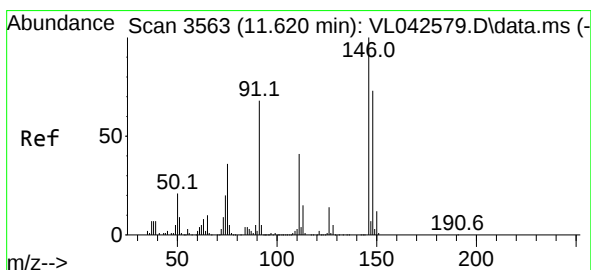
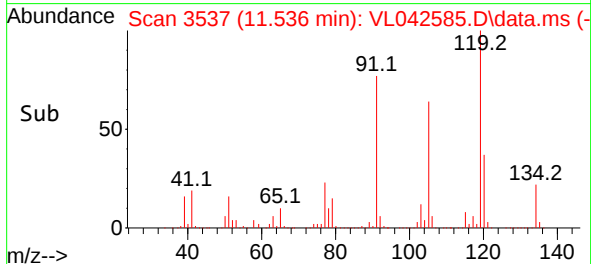
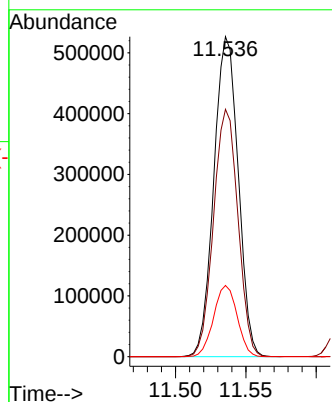
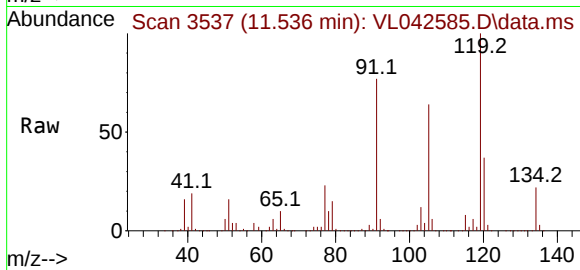




#65
tert-Butylbenzene
Concen: 12.924 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

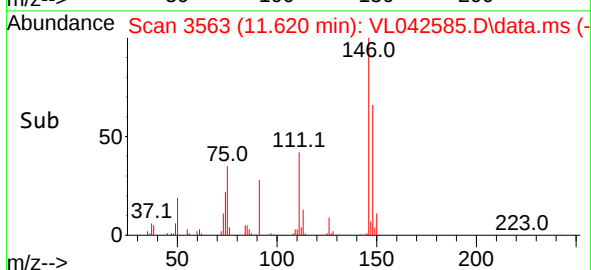
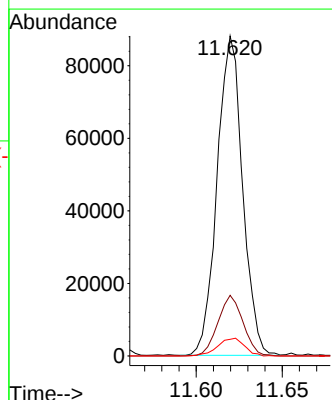
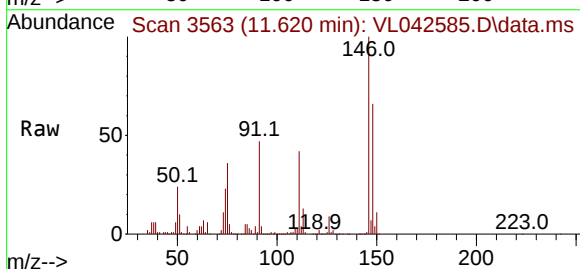
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

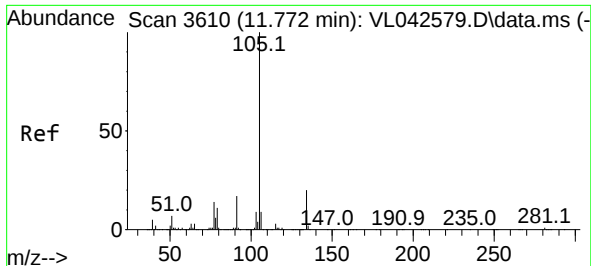
Tgt Ion:119 Resp: 634159
Ion Ratio Lower Upper
119 100
91 77.3 61.1 91.7
134 21.5 17.4 26.2



#66
Benzyl Chloride
Concen: 14.320 ppbv
RT: 11.620 min Scan# 3563
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 90617
Ion Ratio Lower Upper
91 100
126 18.7 15.1 22.7
128 5.9 5.0 7.6

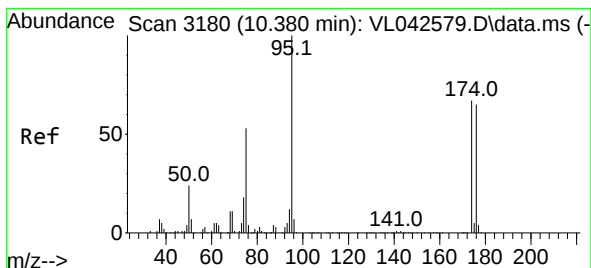
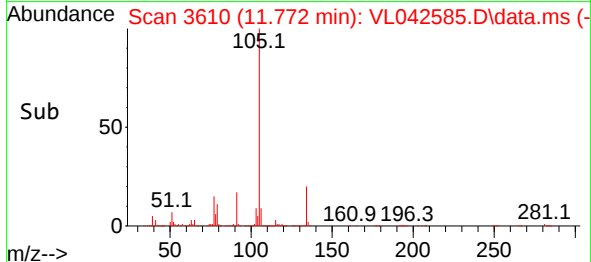
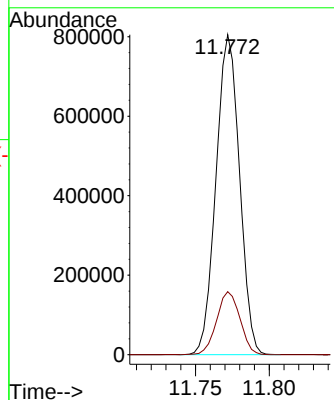
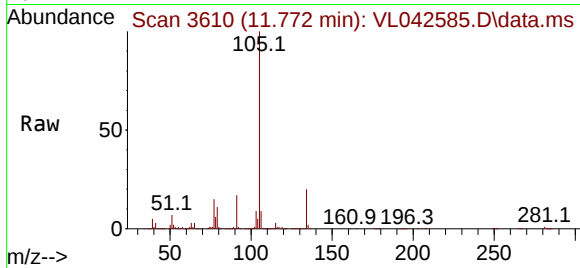




#67
 sec-Butylbenzene
 Concen: 12.939 ppbv
 RT: 11.772 min Scan# 3610
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

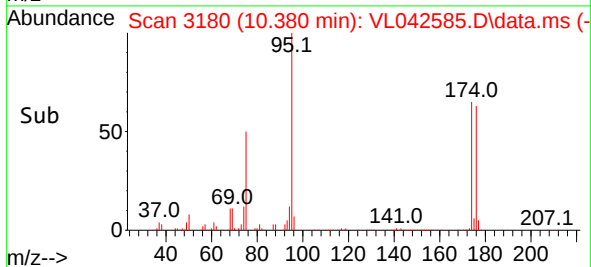
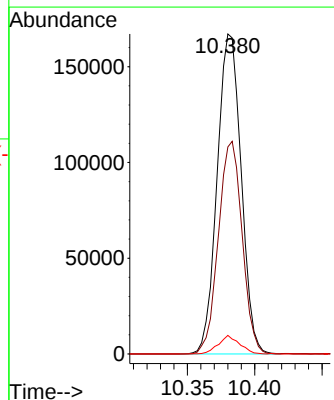
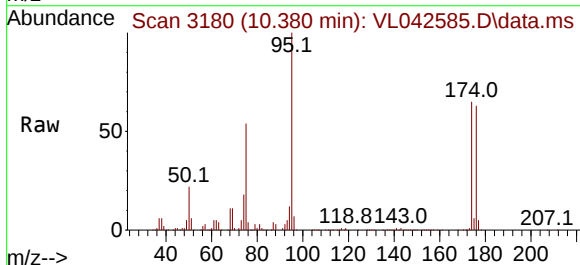
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

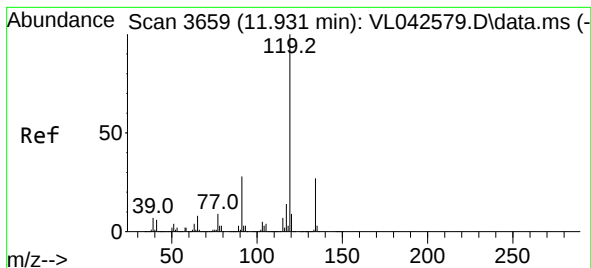
Tgt Ion:105 Resp: 892638
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.8 23.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.053 ppbv
 RT: 10.380 min Scan# 3180
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Tgt Ion: 95 Resp: 207170
 Ion Ratio Lower Upper
 95 100
 174 65.7 53.1 79.7
 175 5.1 4.2 6.2

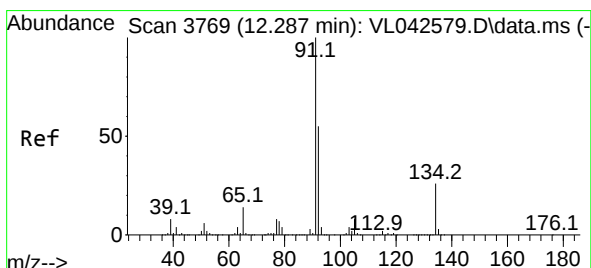
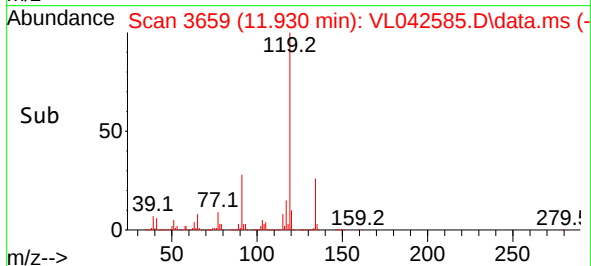
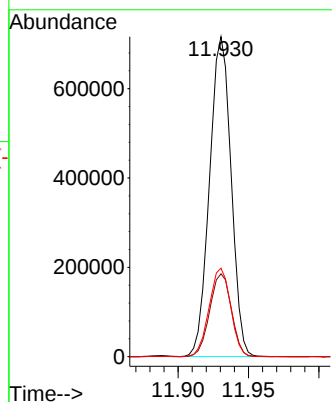
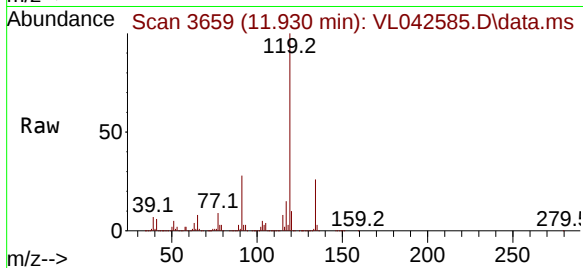




#69
 p-Isopropyltoluene
 Concen: 13.210 ppbv
 RT: 11.930 min Scan# 3659
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

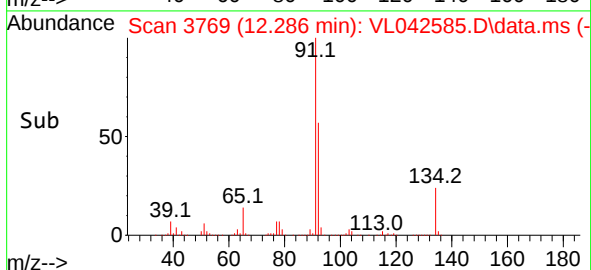
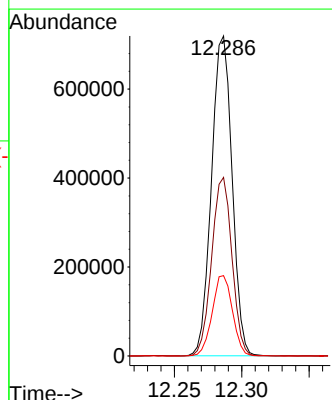
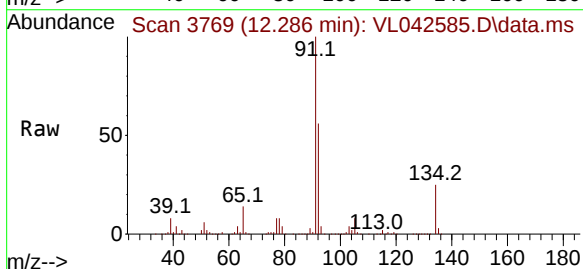
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC015

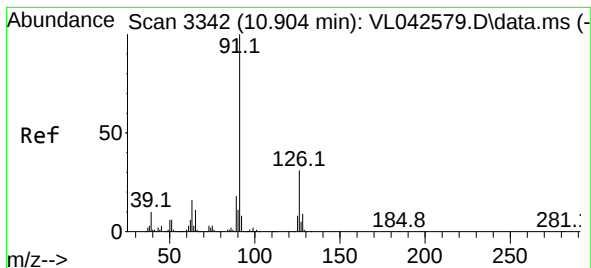
Tgt Ion:119 Resp: 763150
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.1 31.7
 91 27.7 21.9 32.9



#70
 n-Butylbenzene
 Concen: 13.401 ppbv
 RT: 12.286 min Scan# 3769
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Tgt Ion: 91 Resp: 764173
 Ion Ratio Lower Upper
 91 100
 92 55.2 44.4 66.6
 134 24.8 20.1 30.1

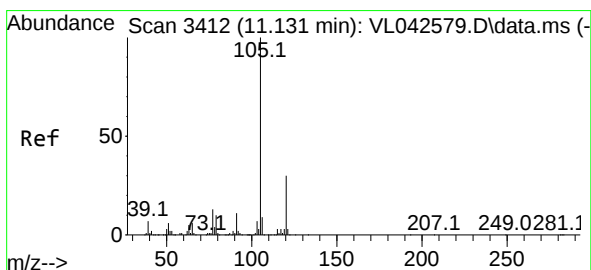
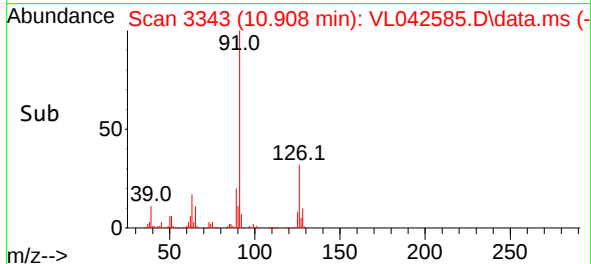
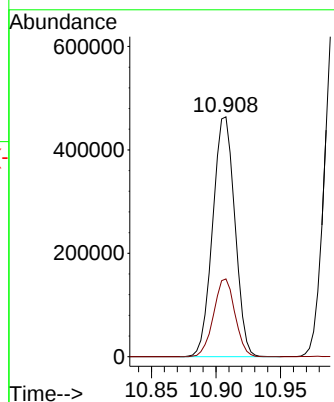
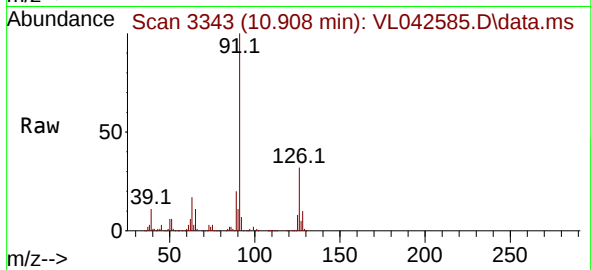




#71
2-Chlorotoluene
Concen: 13.390 ppbv
RT: 10.908 min Scan# 311
Delta R.T. 0.003 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

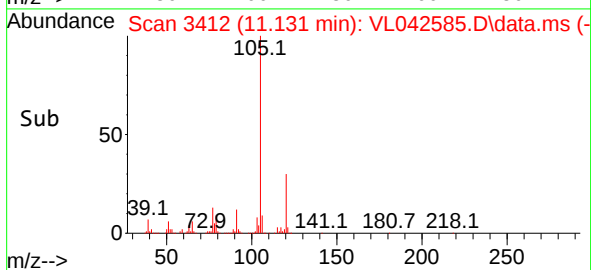
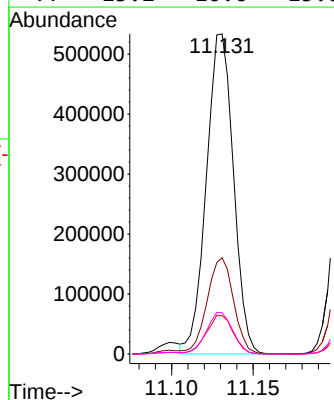
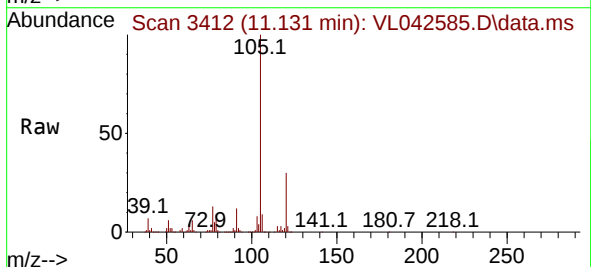
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

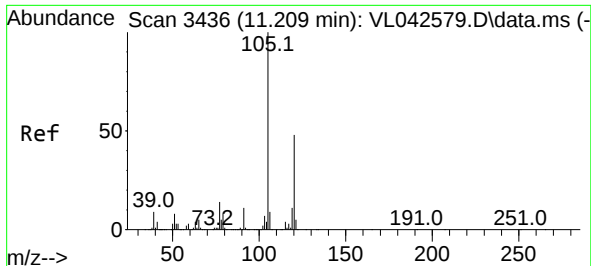
Tgt Ion: 91 Resp: 552265
Ion Ratio Lower Upper
91 100
126 31.3 12.6 50.4



#72
4-Ethyltoluene
Concen: 13.504 ppbv
RT: 11.131 min Scan# 3412
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion: 105 Resp: 616187
Ion Ratio Lower Upper
105 100
120 30.4 24.6 36.8
91 12.4 9.6 14.4
77 13.2 10.6 15.8

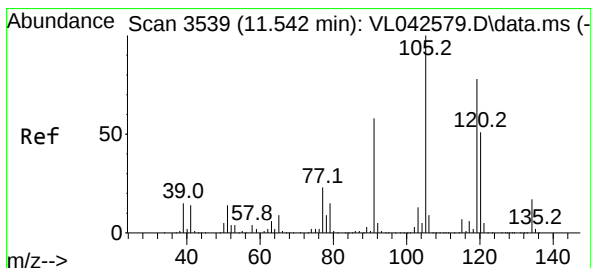
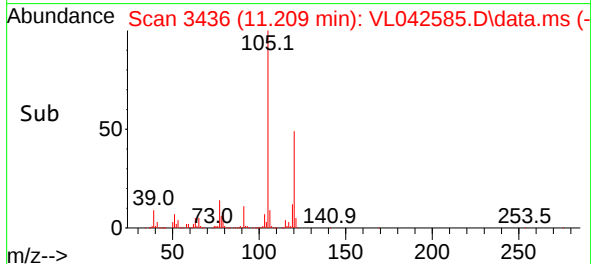
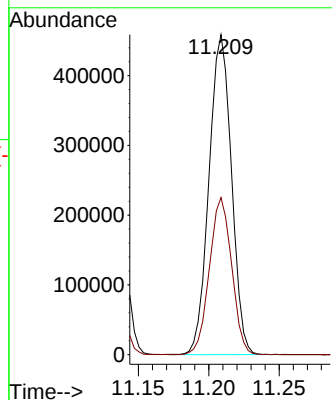
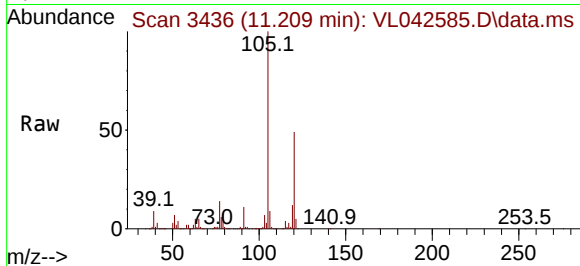




#73
1,3,5-Trimethylbenzene
Concen: 13.498 ppbv
RT: 11.209 min Scan# 3436
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

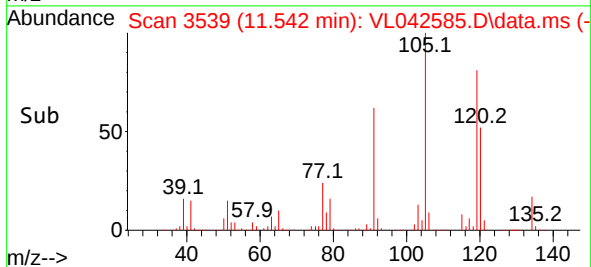
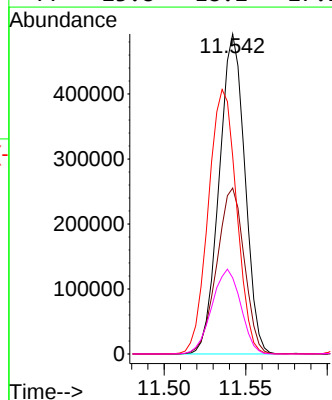
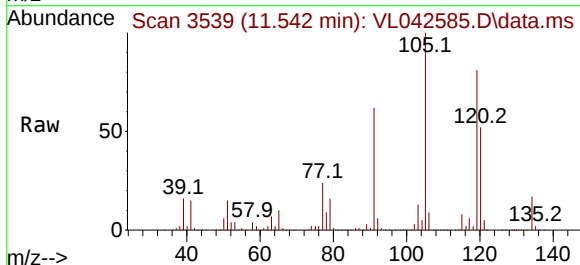
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

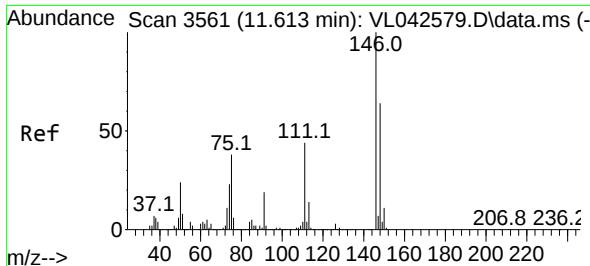
Tgt Ion:105 Resp: 509801
Ion Ratio Lower Upper
105 100
120 49.1 38.8 58.2



#74
1,2,4-Trimethylbenzene
Concen: 12.854 ppbv
RT: 11.542 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:105 Resp: 538704
Ion Ratio Lower Upper
105 100
120 51.8 40.8 61.2
91 61.8 46.8 70.2
77 23.8 18.2 27.2

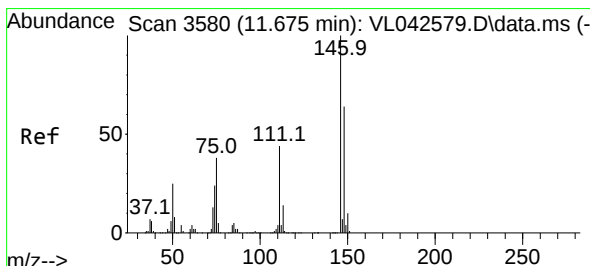
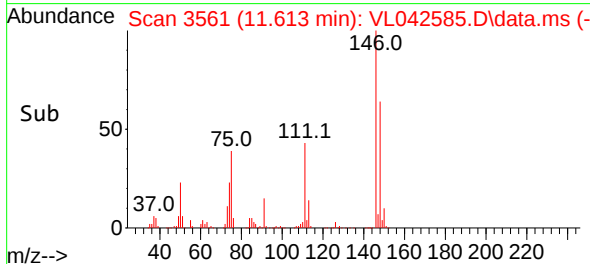
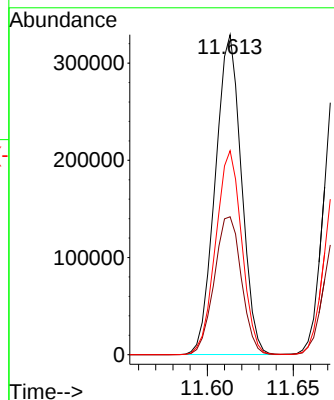
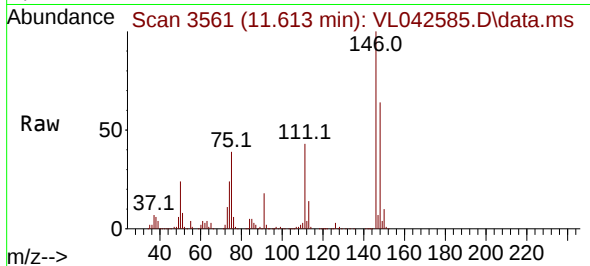




#75
1,3-Dichlorobenzene
Concen: 13.203 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

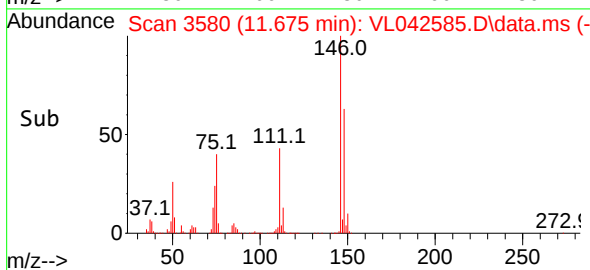
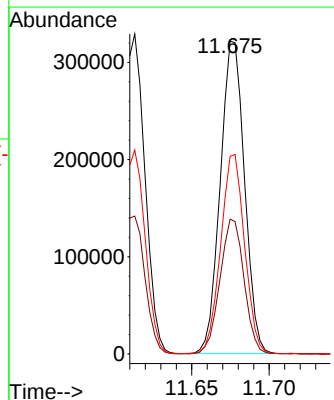
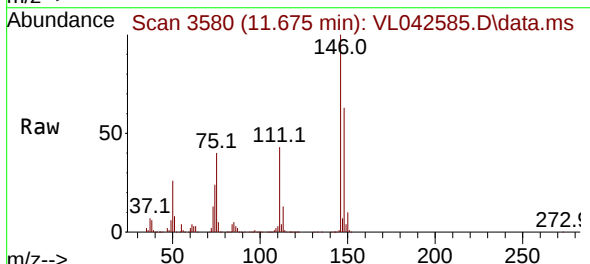
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

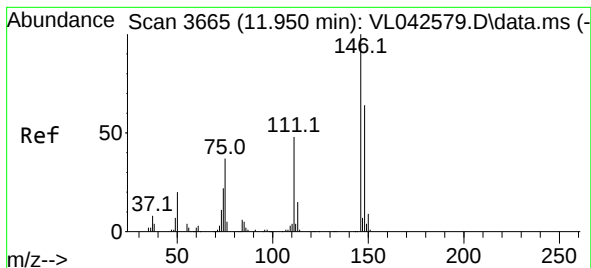
Tgt Ion:146 Resp: 347478
Ion Ratio Lower Upper
146 100
111 44.9 22.4 67.3
148 63.6 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 13.363 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. -0.000 min
Lab File: VL042585.D
Acq: 29 May 2025 14:24

Tgt Ion:146 Resp: 350757
Ion Ratio Lower Upper
146 100
111 43.0 21.6 64.8
148 63.2 32.1 96.5





#77

1,2-Dichlorobenzene

Concen: 12.800 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. 0.003 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC015

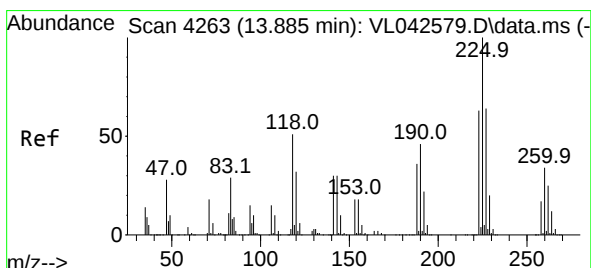
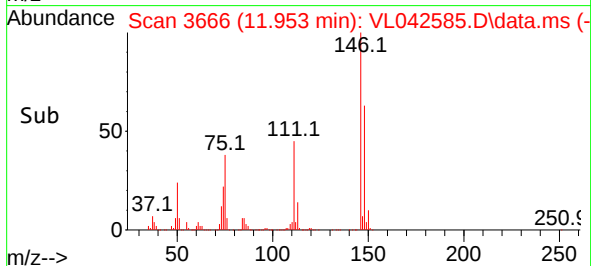
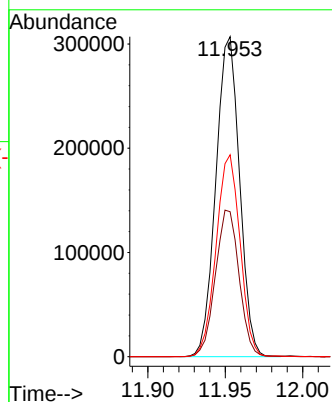
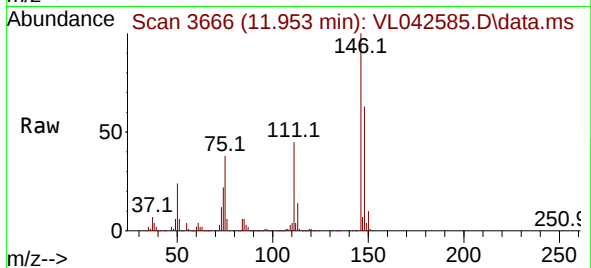
Tgt Ion:146 Resp: 326960

Ion Ratio Lower Upper

146 100

111 46.0 23.1 69.3

148 63.9 32.1 96.3



#78

Hexachloro-1,3-Butadiene

Concen: 11.563 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

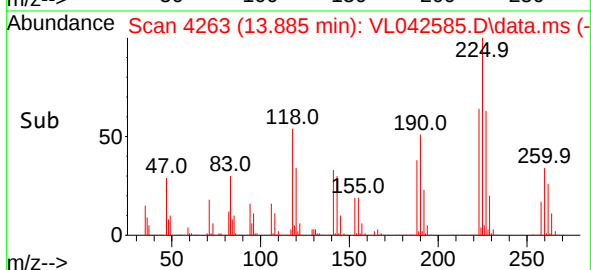
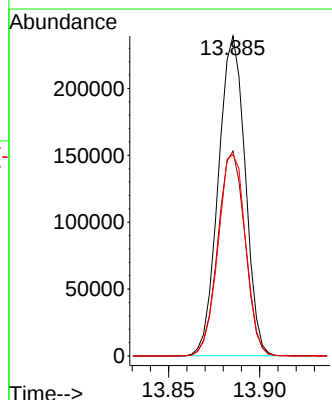
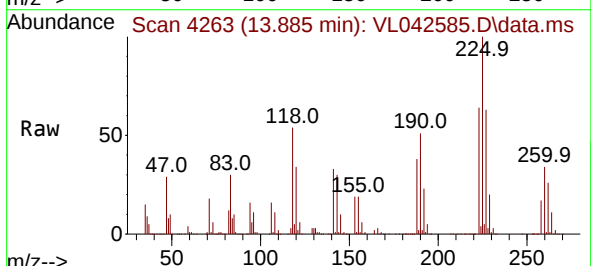
Tgt Ion:225 Resp: 244375

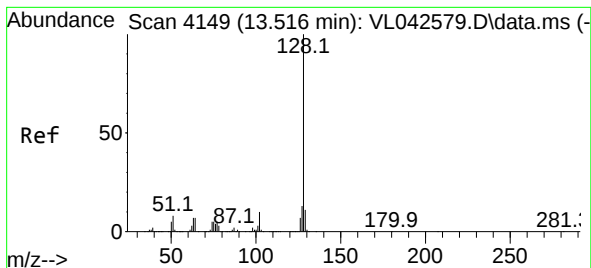
Ion Ratio Lower Upper

225 100

223 64.8 50.2 75.4

227 64.8 51.1 76.7





#79

Naphthalene

Concen: 14.318 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

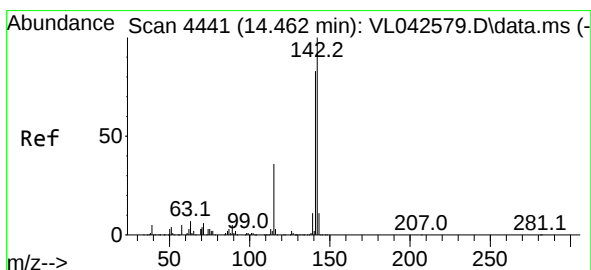
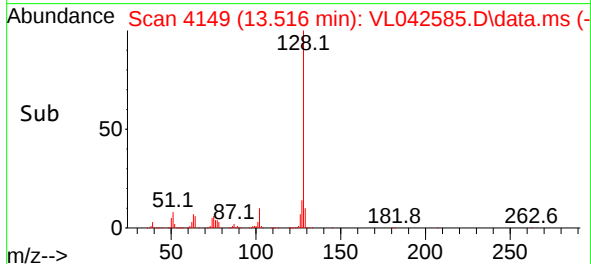
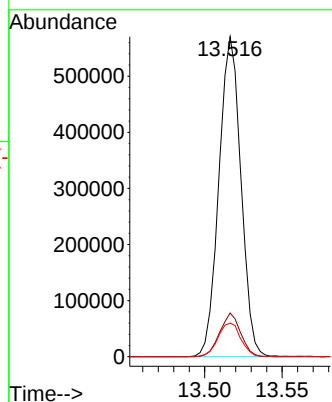
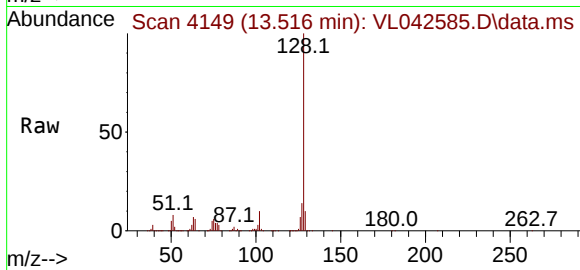
Tgt Ion:128 Resp: 563437

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 10.5 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 17.196 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. -0.003 min

Lab File: VL042585.D

Acq: 29 May 2025 14:24

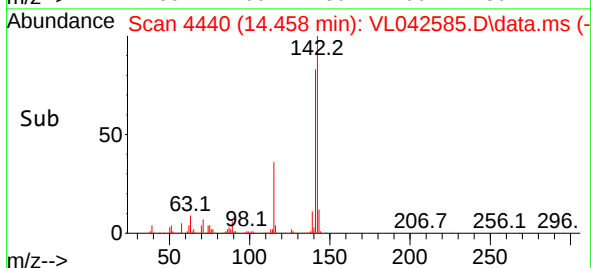
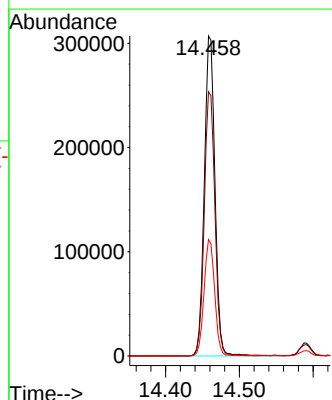
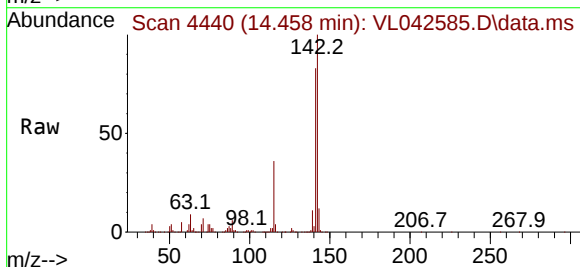
Tgt Ion:142 Resp: 306586

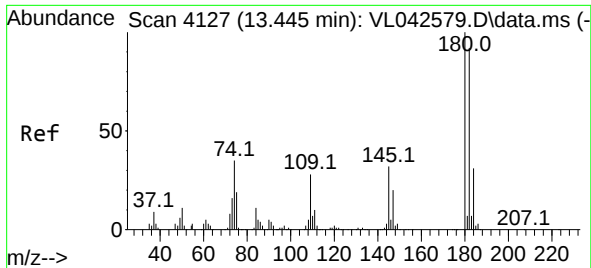
Ion Ratio Lower Upper

142 100

141 83.4 66.2 99.4

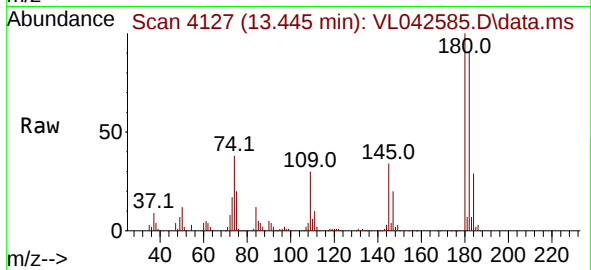
115 36.6 28.3 42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 13.598 ppbv
 RT: 13.445 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042585.D
 Acq: 29 May 2025 14:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015



Tgt Ion:180 Resp: 299869
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.0 112.4
 184 29.9 24.6 36.8

