

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042582.D
 Acq On : 29 May 2025 12:47
 Operator : SY/MD
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Quant Time: May 30 01:19:18 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	102909	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	304613	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	276104	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	208325	10.065	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	6470	0.512	ppbv	98
3) Chlorodifluoromethane	1.476	51	9678	0.556	ppbv	96
4) Chloromethane	1.531	50	2584	0.516	ppbv	97
5) Vinyl Chloride	1.580	62	2721	0.533	ppbv	96
6) Bromomethane	1.667	94	1594	0.642	ppbv #	74
7) Chloroethane	1.706	64	1099	0.554	ppbv	90
8) Dichlorotetrafluoroethane	1.554	85	5655	0.537	ppbv	97
9) Propene	1.483	41	3653	0.521	ppbv	87
10) Heptane	4.988	43	10697	0.540	ppbv	98
11) Trichlorofluoromethane	1.878	101	6138	0.522	ppbv	91
12) 1,1,2-Trichlorotrifluo...	2.140	101	4647	0.503	ppbv	89
13) Ethanol	1.722	45	695	0.888	ppbv	96
14) Bromoethene	1.781	108	1849	0.532	ppbv #	84
15) Acetone	1.836	43	7225	0.583	ppbv	95
16) 1,3-Butadiene	1.609	39	3340	0.569	ppbv	89
17) tert-Butyl alcohol	2.046	59	6877	0.533	ppbv #	92
18) 1,1-Dichloroethene	2.036	96	2319	0.539	ppbv #	73
19) Isopropyl Alcohol	1.887	45	4245	0.573	ppbv #	44
20) Methylene Chloride	2.062	84	2435	0.595	ppbv	93
21) Allyl Chloride	2.098	41	4754	0.544	ppbv	96
22) trans-1,2-Dichloroethene	2.341	96	2553	0.532	ppbv	93
23) Vinyl Acetate	2.464	43	9005	0.537	ppbv #	86
24) 1,1-Dichloroethane	2.409	63	5127	0.521	ppbv #	89
25) Ethyl Acetate	2.842	43	17990	0.530	ppbv	98
26) Hexane	2.826	57	8694	0.564	ppbv	96
27) Carbon Disulfide	2.153	76	6043	0.511	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	3416	0.546	ppbv #	81
29) Chloroform	2.849	83	10798	0.539	ppbv	98
30) Cyclohexane	3.862	84	3216	0.252	ppbv #	1
31) cis-1,2-Dichloroethene	2.722	61	7302	0.518	ppbv	97
32) 1,1,1-Trichloroethane	3.367	97	10309	0.513	ppbv	98
34) 2-Butanone	2.564	43	11569	0.533	ppbv	99
35) Carbon Tetrachloride	3.761	117	10126	0.503	ppbv	92
36) Benzene	3.661	78	16000	0.533	ppbv	95
37) 1,2-Dichloroethane	3.224	62	7883	0.529	ppbv	98
38) Trichloroethene	4.554	130	7126	0.555	ppbv	92
39) 1,2-Dichloropropane	4.318	63	4173	0.376	ppbv	97
40) 1,4-Dioxane	4.609	88	1661	0.352	ppbv #	1
41) Tetrahydrofuran	3.066	42	6775	0.533	ppbv	96
42) Bromodichloromethane	4.490	83	10688	0.505	ppbv	94
43) Methyl Methacrylate	4.888	69	6056	0.521	ppbv	96
44) 2,2,4-Trimethylpentane	4.645	57	27584	0.538	ppbv	96
45) t-1,3-Dichloropropene	6.422	75	6598	0.495	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
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 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

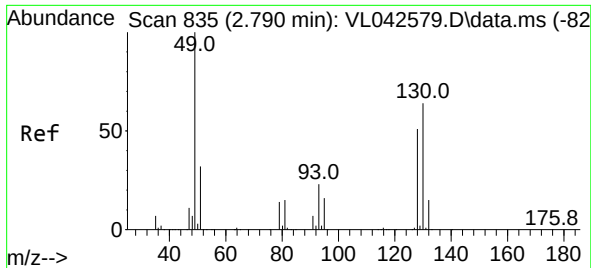
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 01:15:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.603	75	6845	0.410	ppbv	98
47) 1,1,2-Trichloroethane	6.584	97	3090	0.269	ppbv #	87
48) Dibromochloromethane	7.399	129	5119	0.278	ppbv #	10
49) Bromoform	9.484	173	7974	0.503	ppbv	98
50) 4-Methyl-2-Pentanone	5.771	43	8451	0.279	ppbv #	31
51) 2-Hexanone	7.451	43	11458	0.479	ppbv #	98
52) Tetrachloroethene	8.231	164	5950	0.531	ppbv	87
53) Toluene	6.940	91	18429	0.532	ppbv	100
54) 1,2-Dibromoethane	7.655	107	8810	0.518	ppbv	82
56) 1,1,1,2-Tetrachloroethane	8.934	131	7178	0.517	ppbv	89
57) Chlorobenzene	8.930	112	14920	0.557	ppbv	89
58) Ethyl Benzene	9.358	91	24442	0.522	ppbv	88
59) m/p-Xylene	9.536	91	14666	0.398	ppbv #	29
60) o-Xylene	9.966	91	19745	0.537	ppbv	99
61) Styrene	9.875	104	8639	0.497	ppbv	99
62) Isopropylbenzene	10.545	105	28442	0.524	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.969	83	12137	0.519	ppbv	97
64) n-propylbenzene	10.995	120	7993	0.549	ppbv	97
65) tert-Butylbenzene	11.533	119	26856	0.545	ppbv	99
66) Benzyl Chloride	11.614	91	1398	0.220	ppbv #	64
67) sec-Butylbenzene	11.769	105	37899	0.547	ppbv	98
69) p-Isopropyltoluene	11.931	119	30931	0.533	ppbv	99
70) n-Butylbenzene	12.284	91	29130	0.509	ppbv	98
71) 2-Chlorotoluene	10.905	91	22135	0.534	ppbv	100
72) 4-Ethyltoluene	11.128	105	23521	0.513	ppbv	97
73) 1,3,5-Trimethylbenzene	11.206	105	19891	0.524	ppbv	86
74) 1,2,4-Trimethylbenzene	11.536	105	22635	0.538	ppbv #	83
75) 1,3-Dichlorobenzene	11.610	146	14232	0.538	ppbv	98
76) 1,4-Dichlorobenzene	11.675	146	13773	0.522	ppbv	98
77) 1,2-Dichlorobenzene	11.950	146	14062	0.548	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	12036	0.567	ppbv	97
79) Naphthalene	13.517	128	18853	0.477	ppbv	96
80) Naphthalene,2-methyl-	14.462	142	6126	0.342	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	9879	0.446	ppbv	99

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

Instrument :
MSVOA_L
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VSTDICC0.5

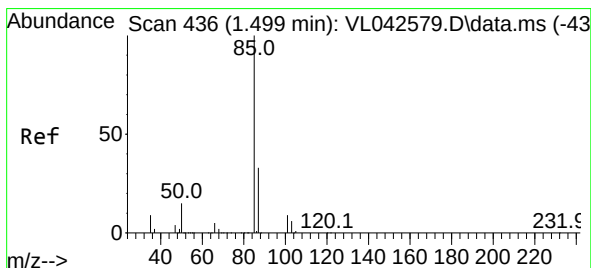
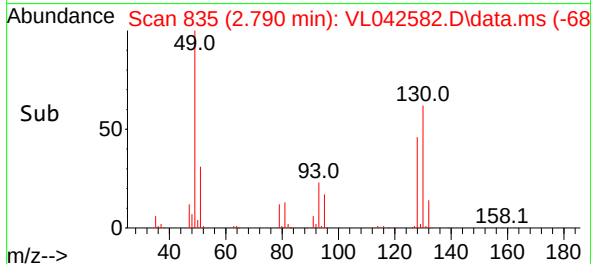
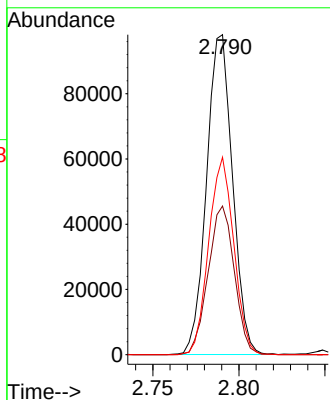
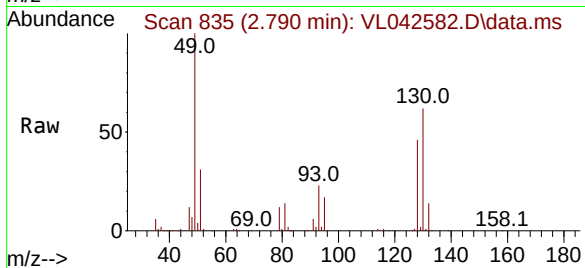
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#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

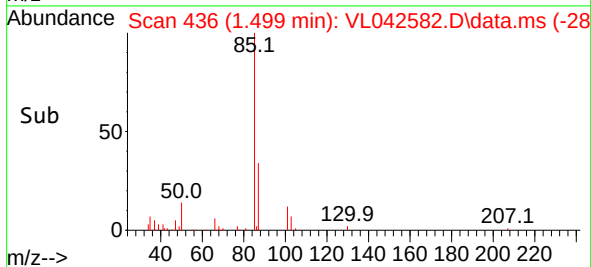
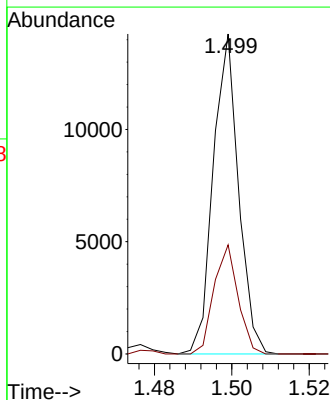
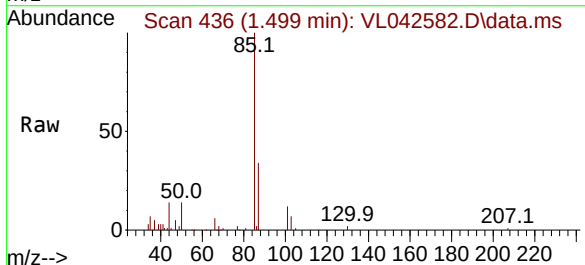
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ClientSampleId :
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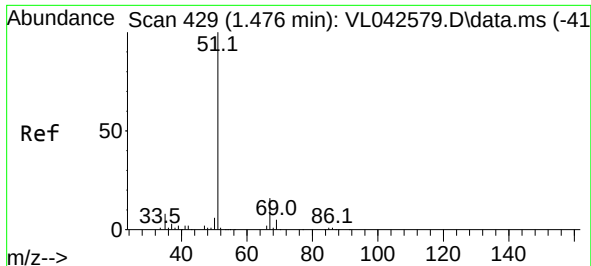
Tgt Ion: 49 Resp: 102909
Ion Ratio Lower Upper
49 100
128 46.9 24.2 72.6
130 59.7 30.4 91.2



#2
Dichlorodifluoromethane
Concen: 0.512 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 85 Resp: 6470
Ion Ratio Lower Upper
85 100
87 34.1 26.6 39.8

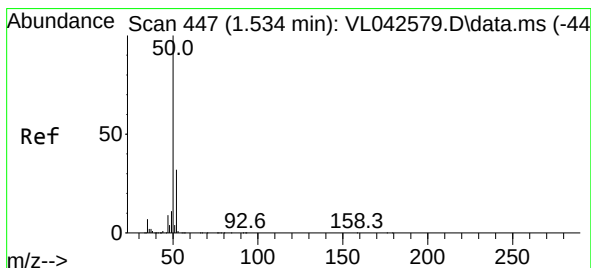
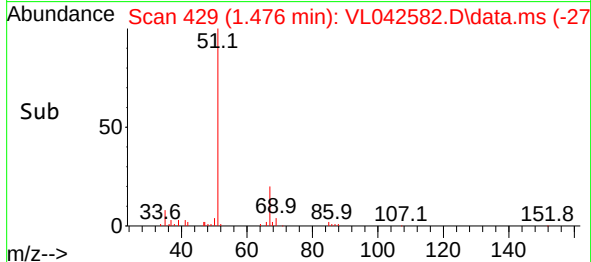
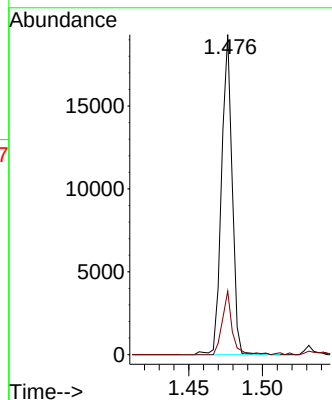
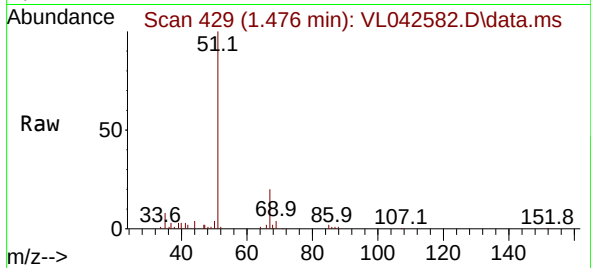




#3
Chlorodifluoromethane
Concen: 0.556 ppbv
RT: 1.476 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

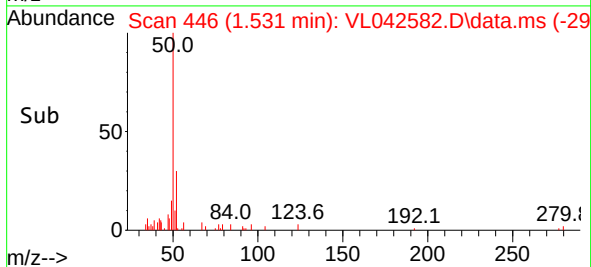
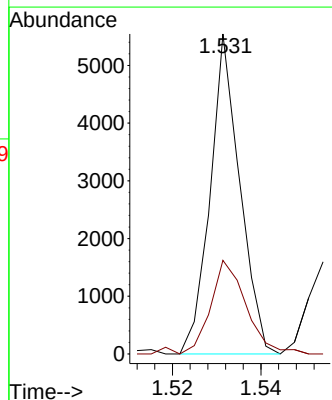
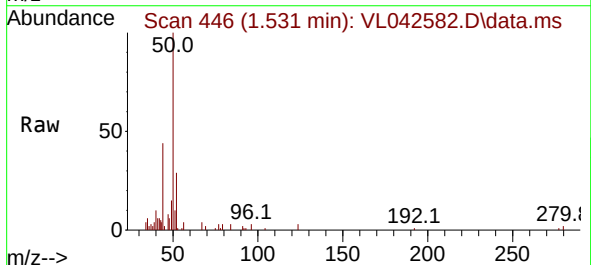
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MSVOA_1
ClientSampleId :
VSTDIC0.5

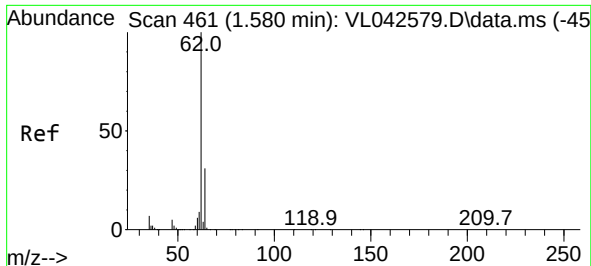
Tgt Ion: 51 Resp: 9678
Ion Ratio Lower Upper
51 100
67 18.4 13.4 20.2



#4
Chloromethane
Concen: 0.516 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 50 Resp: 2584
Ion Ratio Lower Upper
50 100
52 30.5 25.8 38.6

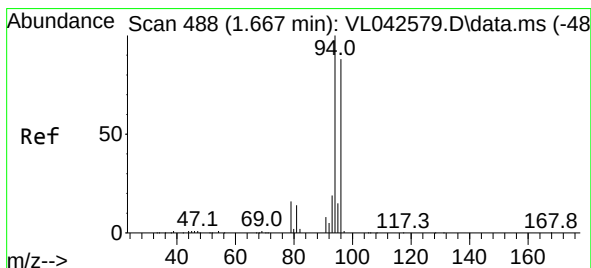
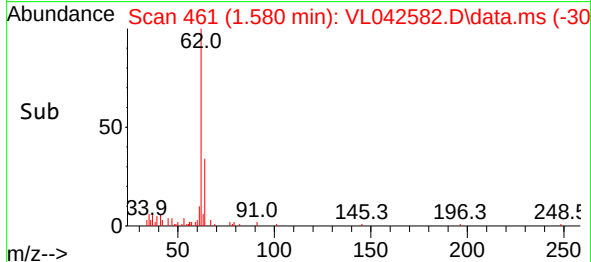
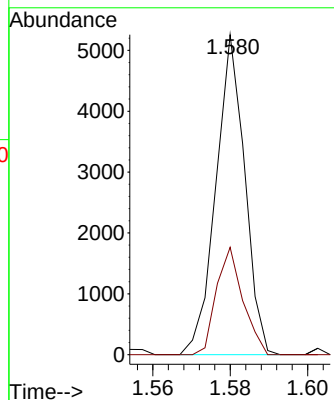
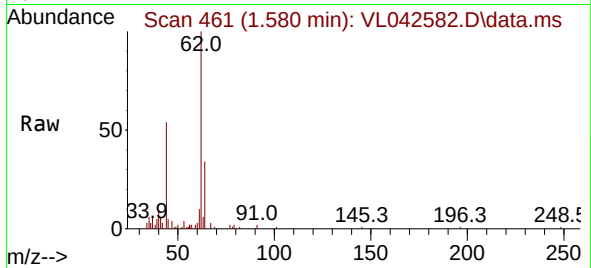




#5
 Vinyl Chloride
 Concen: 0.533 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

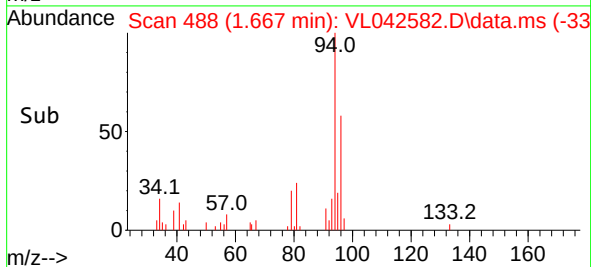
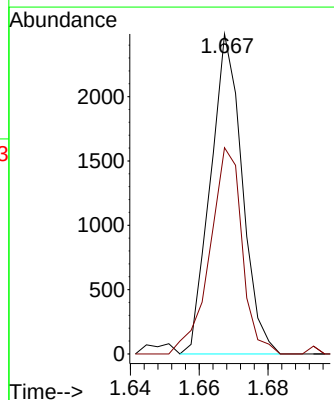
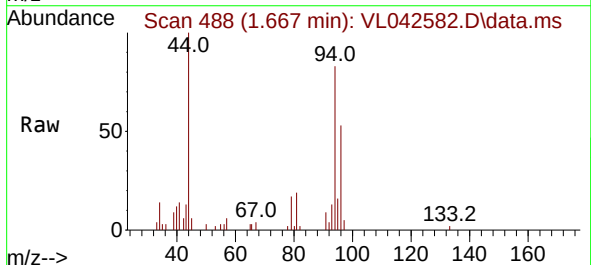
Instrument :
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 ClientSampleId :
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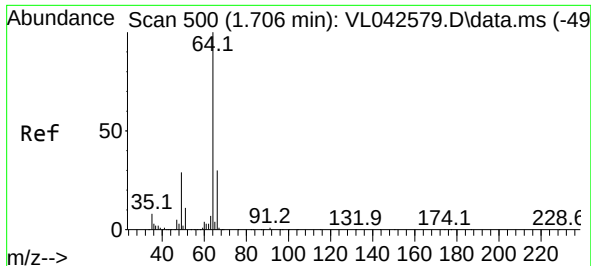
Tgt Ion: 62 Resp: 2721
 Ion Ratio Lower Upper
 62 100
 64 33.5 24.9 37.3



#6
 Bromomethane
 Concen: 0.642 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

Tgt Ion: 94 Resp: 1594
 Ion Ratio Lower Upper
 94 100
 96 64.5 70.7 106.1#

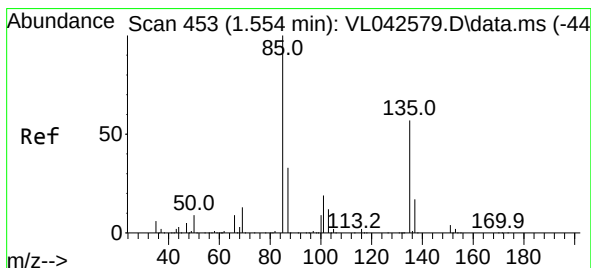
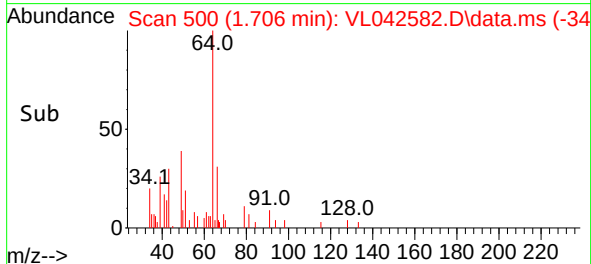
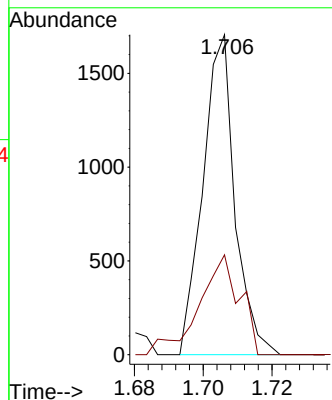
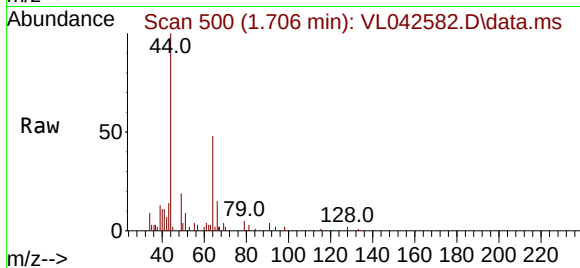




#7
Chloroethane
Concen: 0.554 ppbv
RT: 1.706 min Scan# 500
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

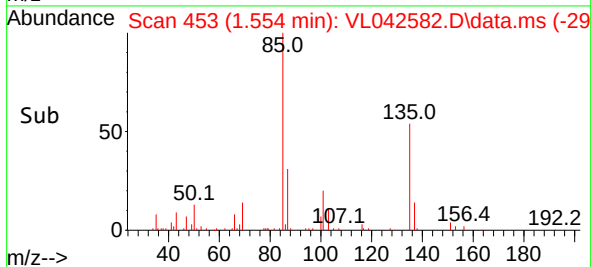
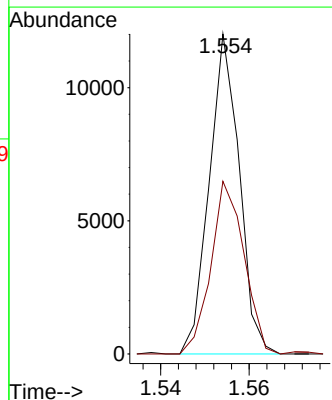
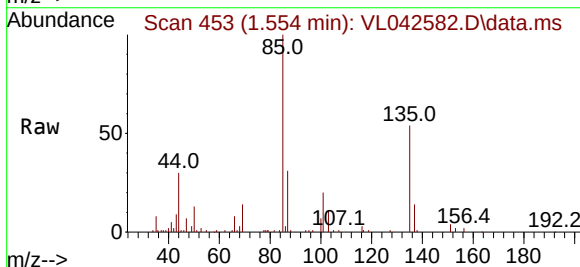
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

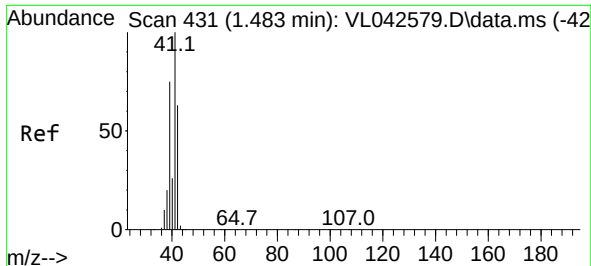
Tgt Ion: 64 Resp: 1099
Ion Ratio Lower Upper
64 100
66 35.6 24.3 36.5



#8
Dichlorotetrafluoroethane
Concen: 0.537 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 85 Resp: 5655
Ion Ratio Lower Upper
85 100
135 60.7 50.2 75.4





#9

Propene

Concen: 0.521 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_1

ClientSampleId :

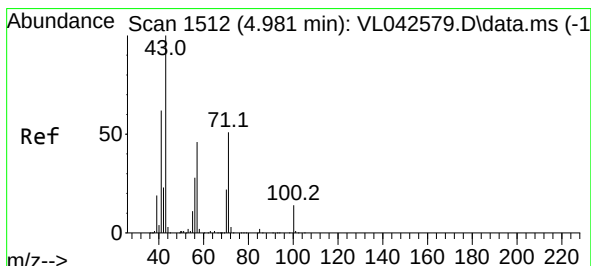
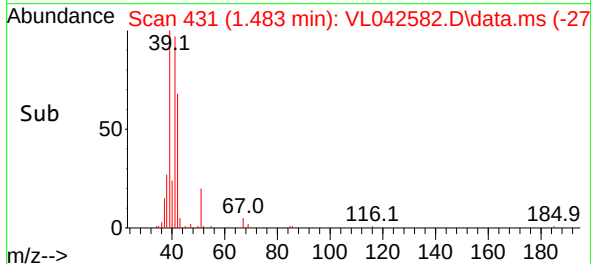
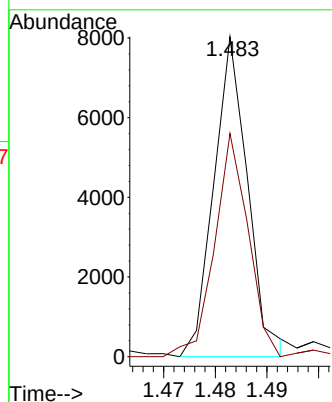
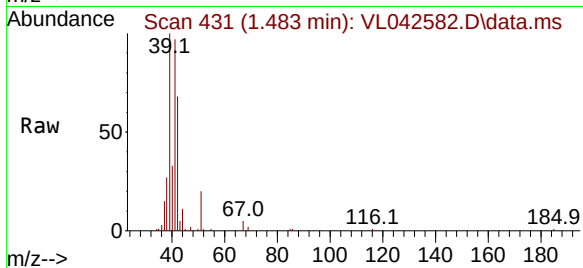
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Tgt Ion: 41 Resp: 3653

Ion Ratio Lower Upper

41 100

42 77.1 53.3 79.9



#10

Heptane

Concen: 0.540 ppbv

RT: 4.988 min Scan# 1514

Delta R.T. 0.007 min

Lab File: VL042582.D

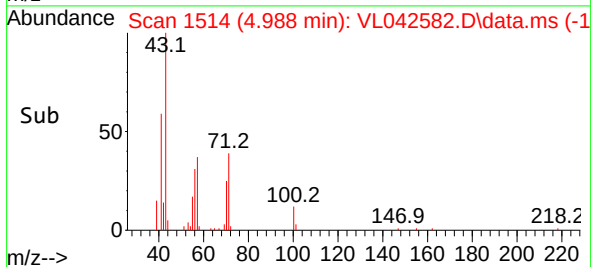
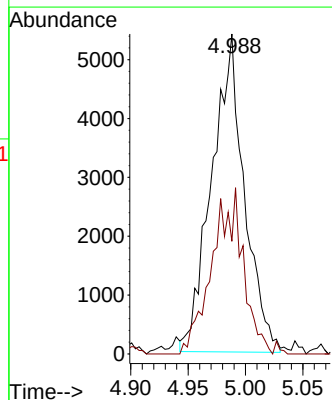
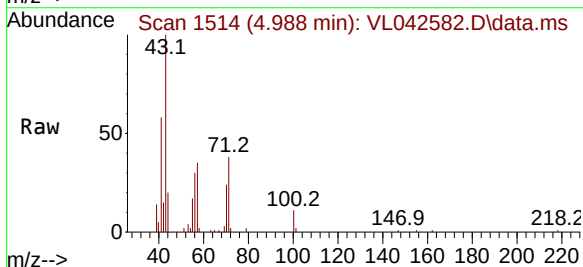
Acq: 29 May 2025 12:47

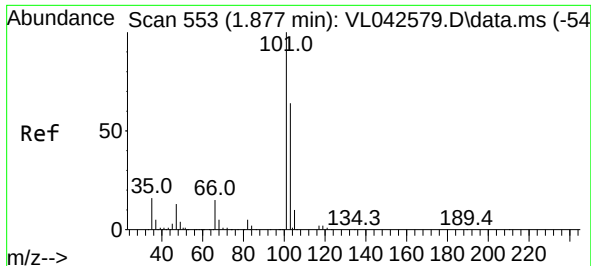
Tgt Ion: 43 Resp: 10697

Ion Ratio Lower Upper

43 100

57 49.9 38.9 58.3

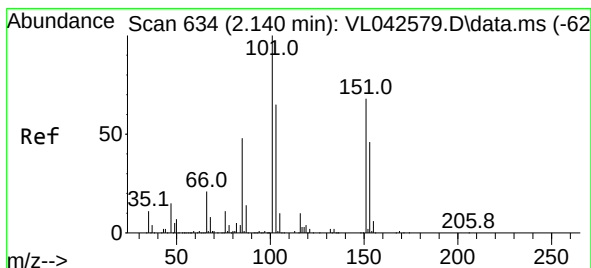
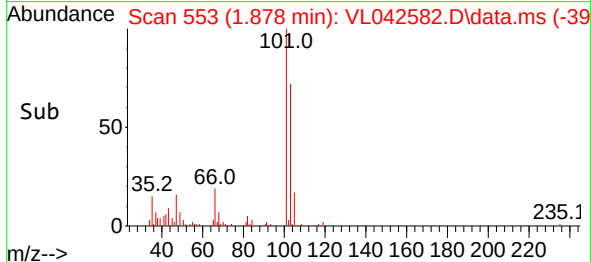
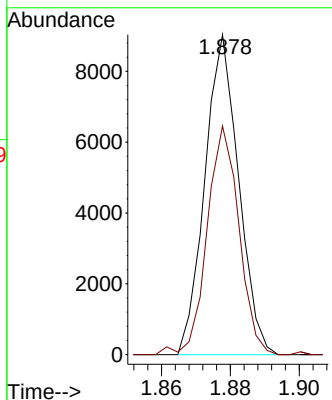
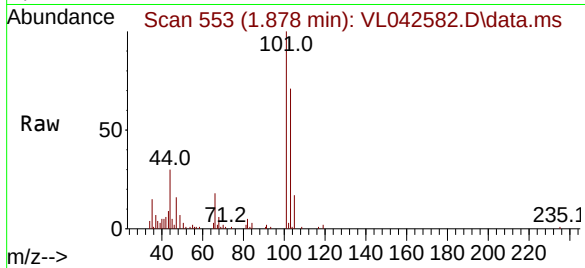




#11
 Trichlorofluoromethane
 Concen: 0.522 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

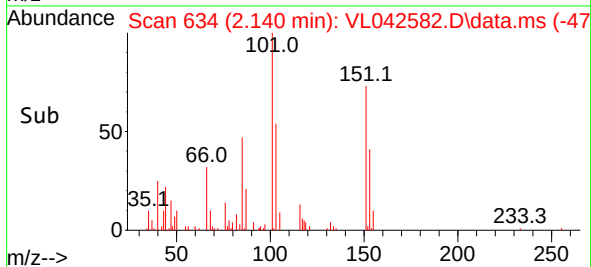
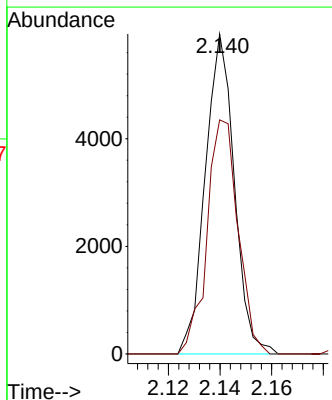
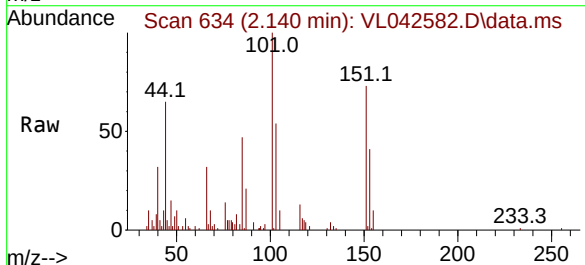
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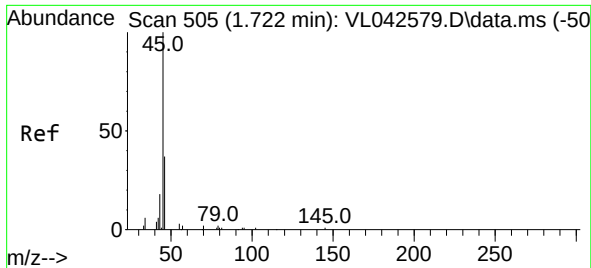
Tgt Ion:101 Resp: 6138
 Ion Ratio Lower Upper
 101 100
 103 71.5 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.503 ppbv
 RT: 2.140 min Scan# 634
 Delta R.T. 0.000 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

Tgt Ion:101 Resp: 4647
 Ion Ratio Lower Upper
 101 100
 151 78.2 55.3 82.9

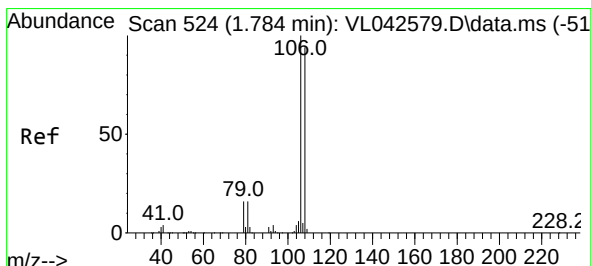
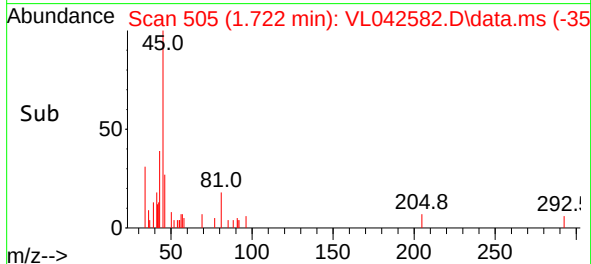
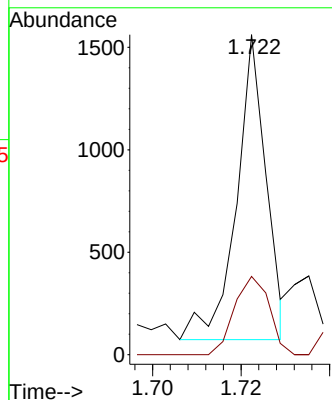
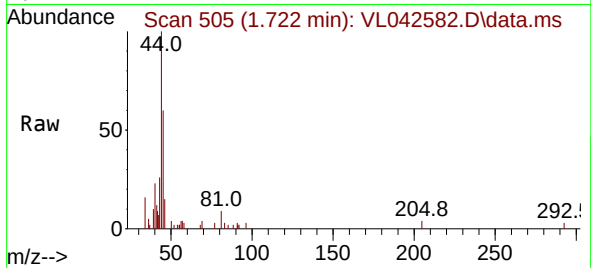




#13
Ethanol
Concen: 0.888 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

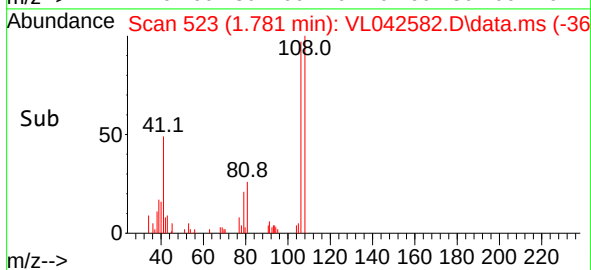
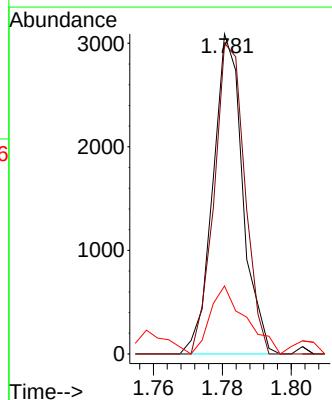
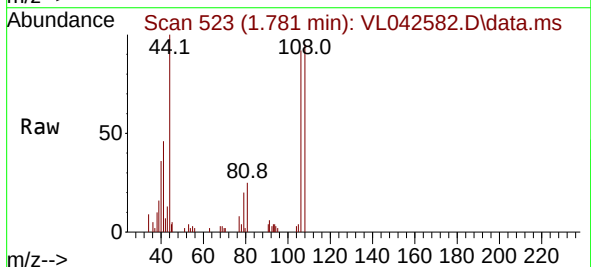
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

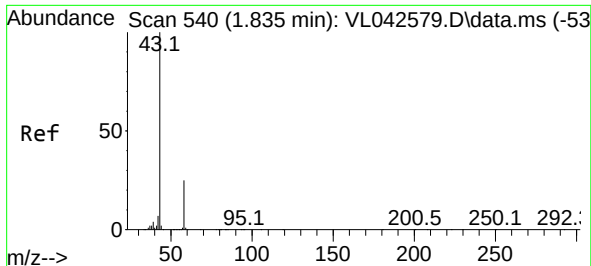
Tgt Ion: 45 Resp: 695
Ion Ratio Lower Upper
45 100
46 38.4 14.5 58.1



#14
Bromoethene
Concen: 0.532 ppbv
RT: 1.781 min Scan# 523
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:108 Resp: 1849
Ion Ratio Lower Upper
108 100
106 99.9 87.9 131.9
79 44.5 15.6 23.4#

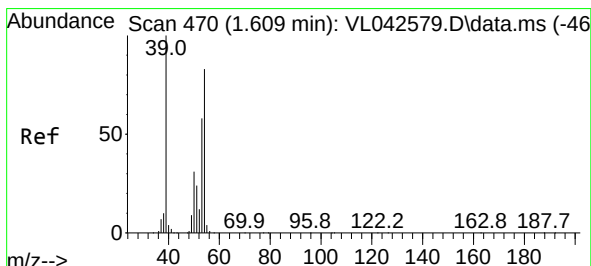
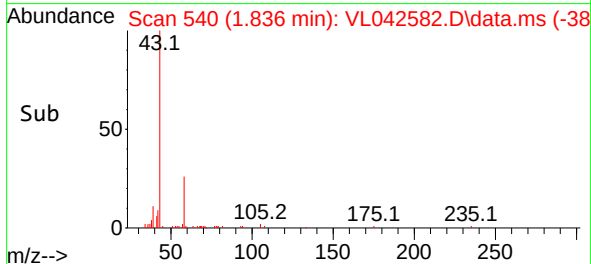
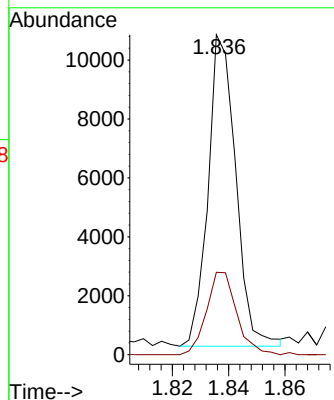
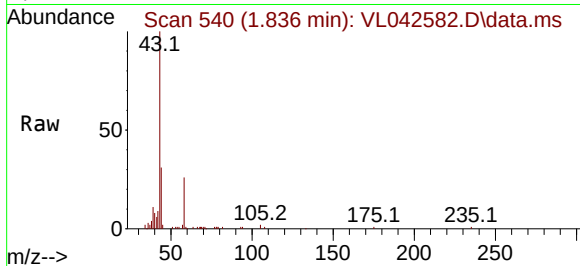




#15
Acetone
Concen: 0.583 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

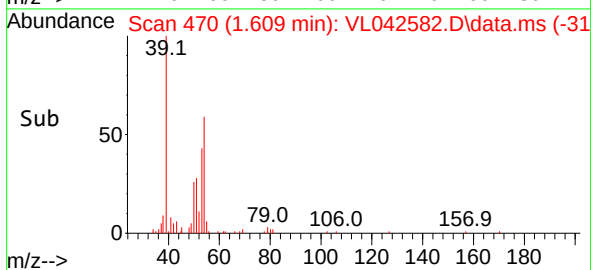
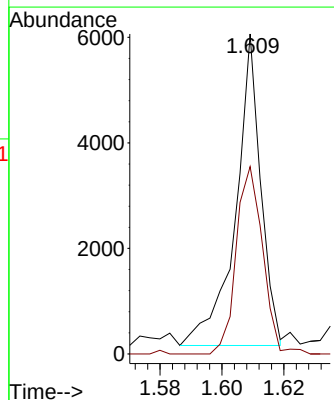
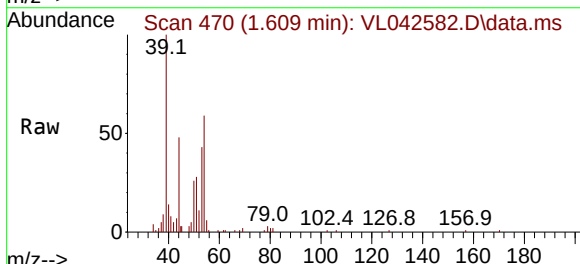
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

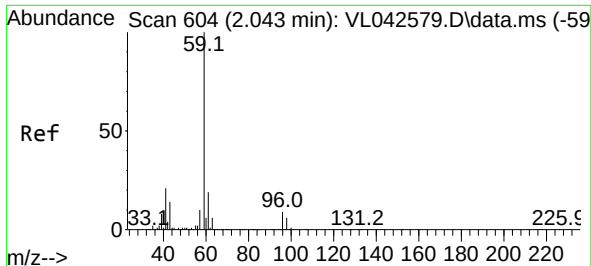
Tgt Ion: 43 Resp: 7225
Ion Ratio Lower Upper
43 100
58 29.0 21.0 31.4



#16
1,3-Butadiene
Concen: 0.569 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 39 Resp: 3340
Ion Ratio Lower Upper
39 100
54 63.2 57.9 86.9





#17

tert-Butyl alcohol

Concen: 0.533 ppbv

RT: 2.046 min Scan# 604

Delta R.T. 0.003 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_1

ClientSampleId :

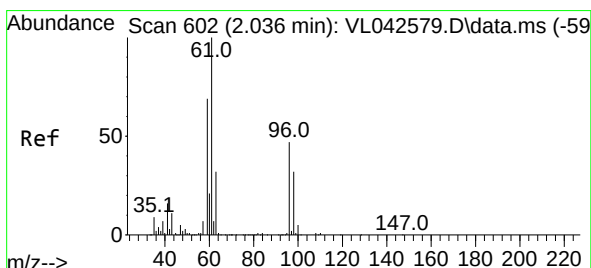
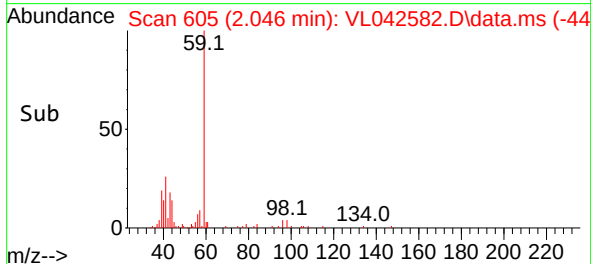
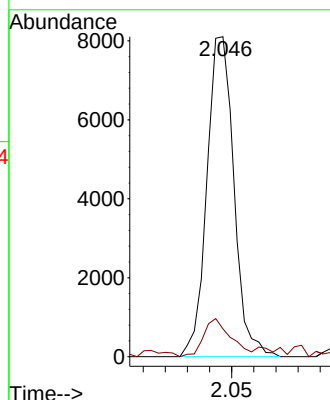
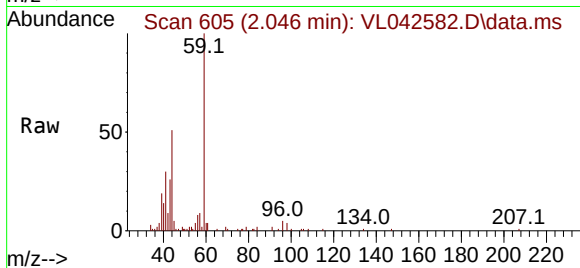
VSTDIC0.5

Tgt Ion: 59 Resp: 6877

Ion Ratio Lower Upper

59 100

57 13.6 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.539 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

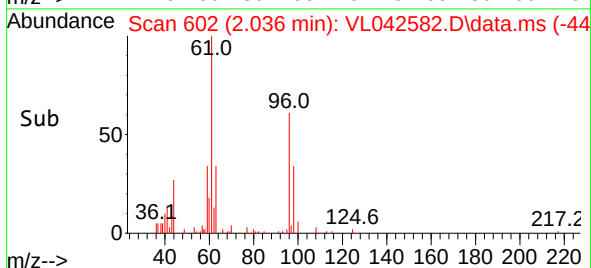
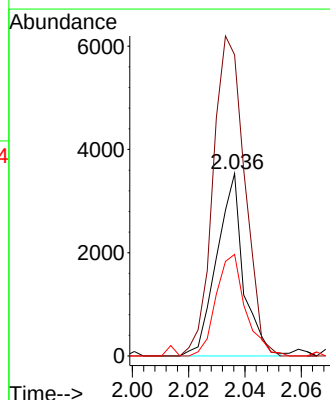
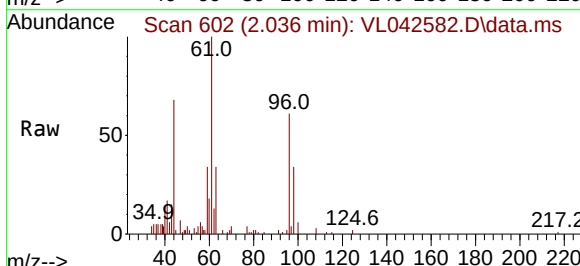
Tgt Ion: 96 Resp: 2319

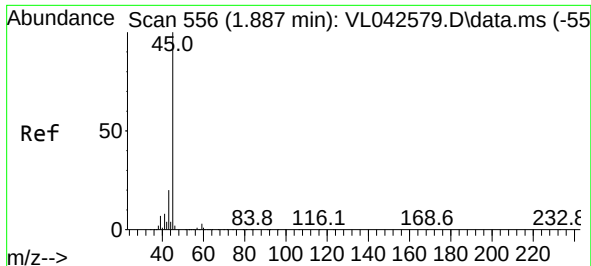
Ion Ratio Lower Upper

96 100

61 165.1 171.1 256.7#

98 55.7 54.4 81.6

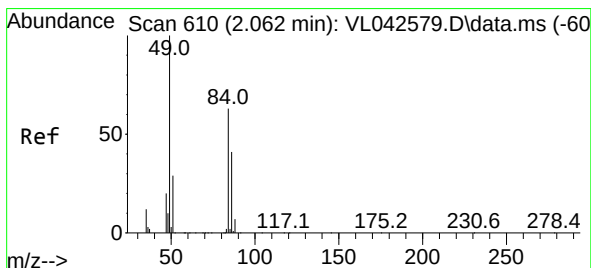
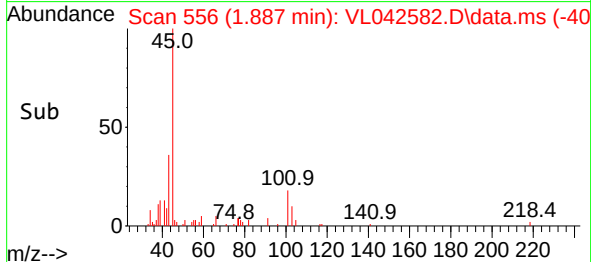
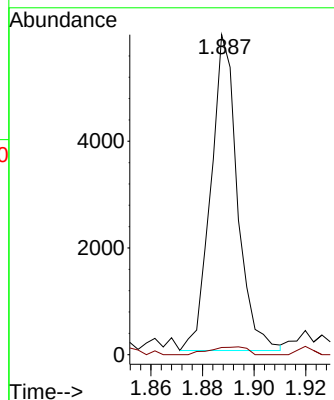
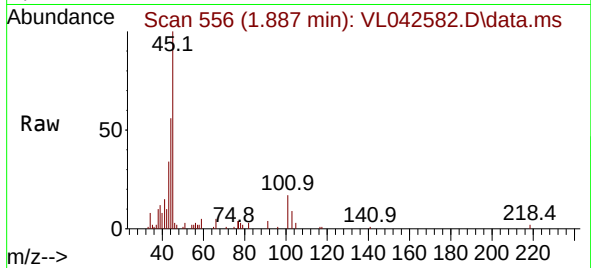




#19
Isopropyl Alcohol
Concen: 0.573 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

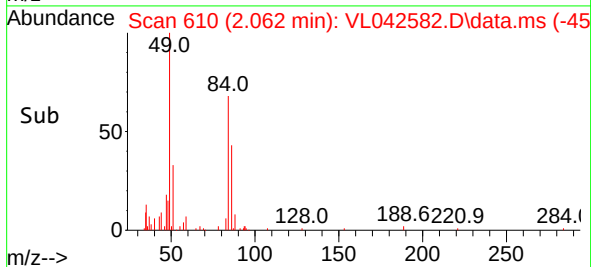
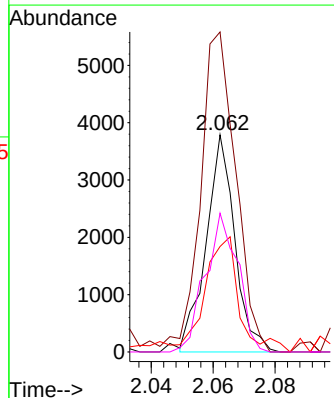
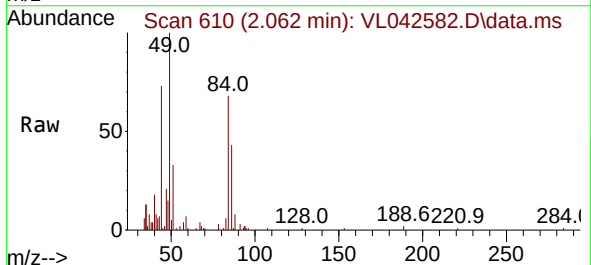
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

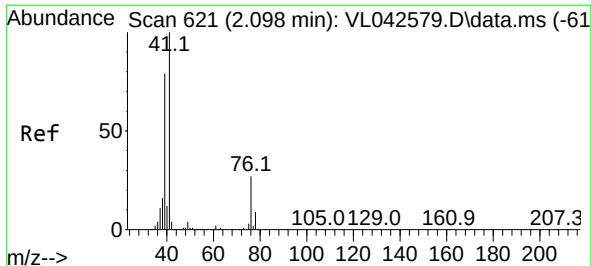
Tgt Ion: 45 Resp: 4245
Ion Ratio Lower Upper
45 100
58 3.4 29.4 44.2#



#20
Methylene Chloride
Concen: 0.595 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 84 Resp: 2435
Ion Ratio Lower Upper
84 100
49 147.4 128.8 193.2
51 45.2 38.6 57.8
86 63.9 52.5 78.7

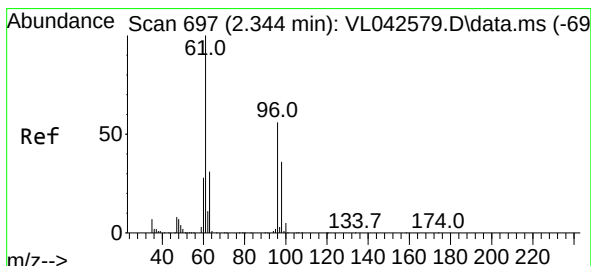
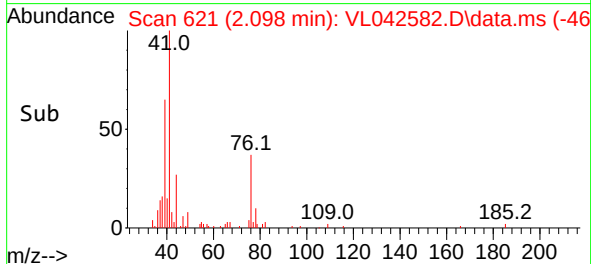
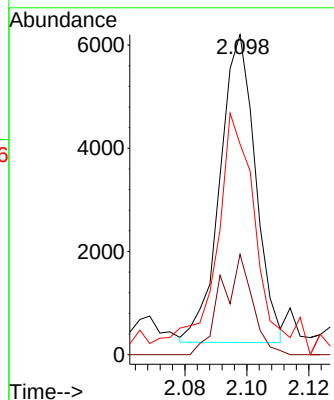
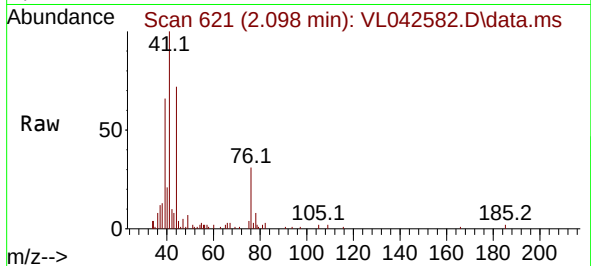




#21
 Allyl Chloride
 Concen: 0.544 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

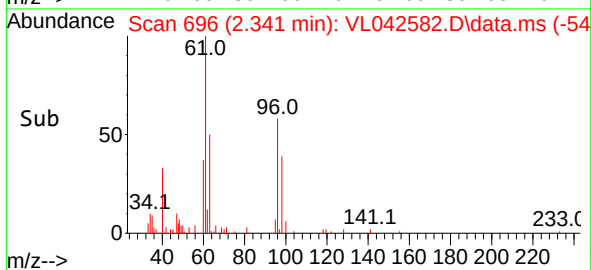
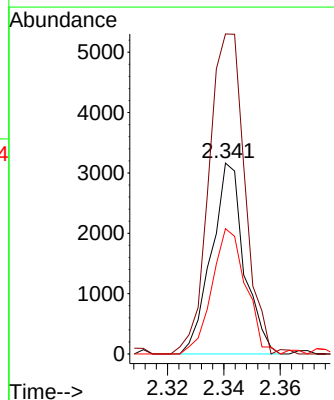
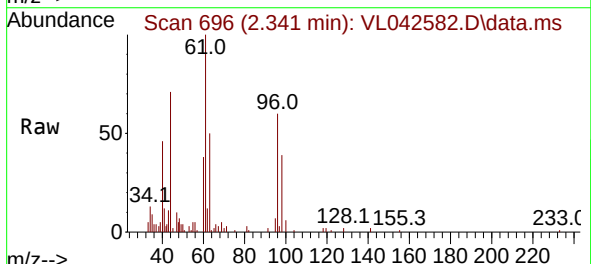
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

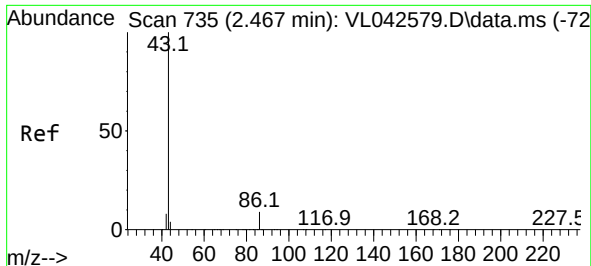
Tgt Ion: 41	Resp:	4754
Ion	Ratio	Lower Upper
41	100	
76	28.5	21.2 31.8
39	79.5	60.9 91.3



#22
 trans-1,2-Dichloroethene
 Concen: 0.532 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. -0.003 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

Tgt Ion: 96	Resp:	2553
Ion	Ratio	Lower Upper
96	100	
61	165.3	142.6 214.0
98	65.6	51.0 76.4

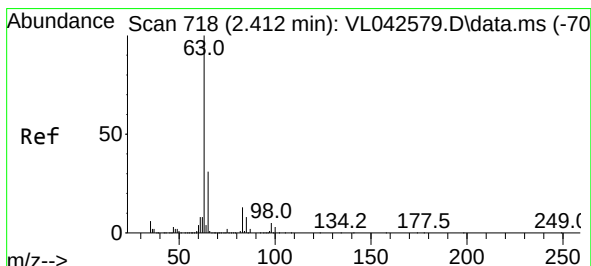
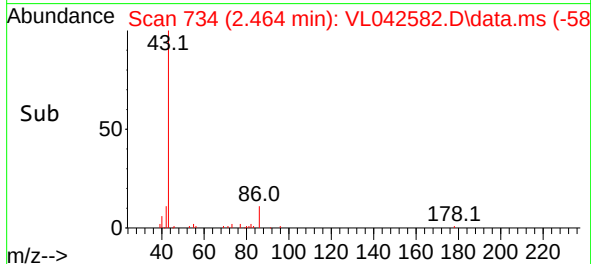
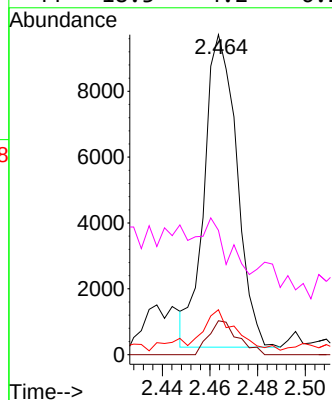
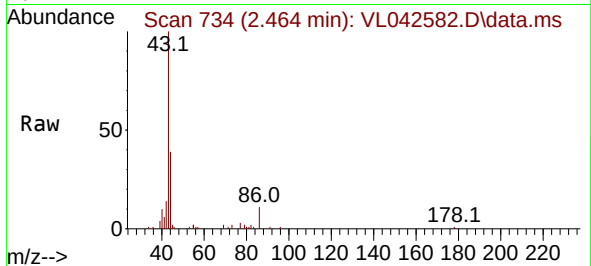




#23
 Vinyl Acetate
 Concen: 0.537 ppbv
 RT: 2.464 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

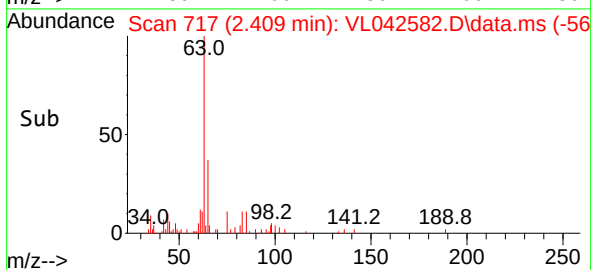
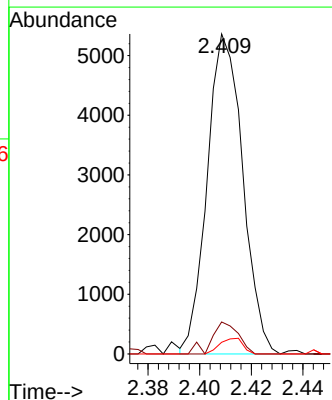
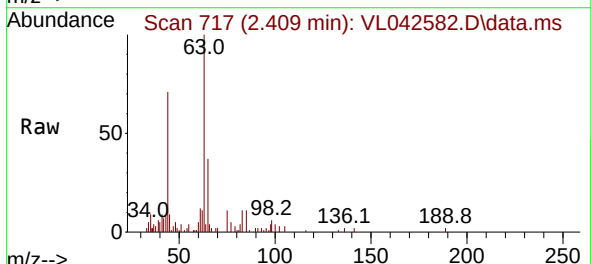
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

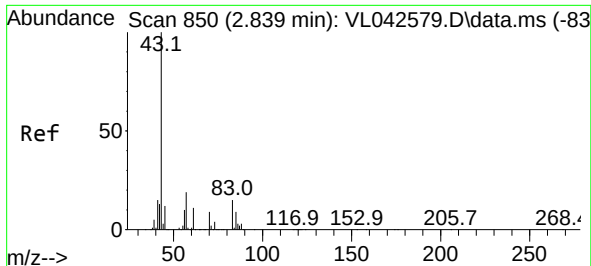
Tgt Ion:	43	Resp:	9005
Ion	Ratio	Lower	Upper
43	100		
86	10.9	6.6	9.8#
42	10.6	7.0	10.4#
44	18.3	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.521 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. -0.003 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

Tgt Ion:	63	Resp:	5127
Ion	Ratio	Lower	Upper
63	100		
98	10.0	2.4	7.1#
100	3.7	1.4	4.0

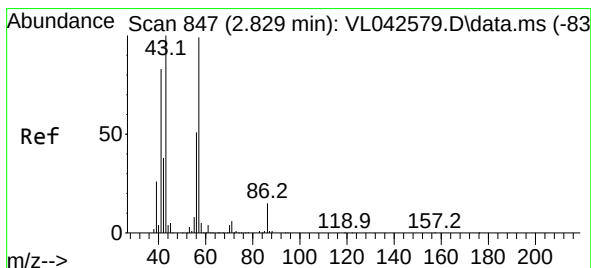
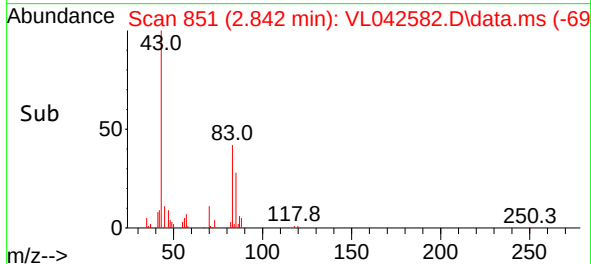
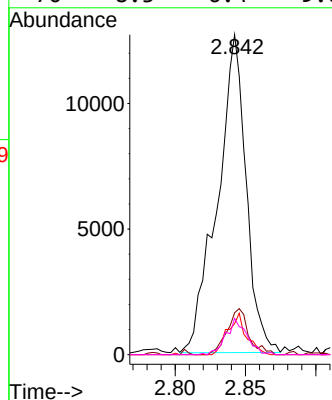
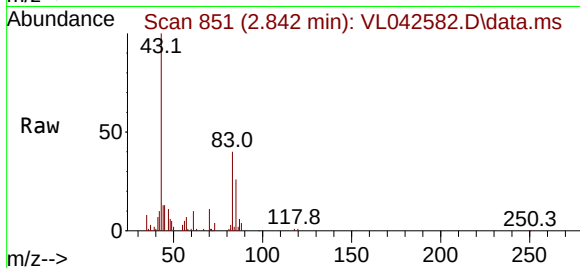




#25
Ethyl Acetate
Concen: 0.530 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

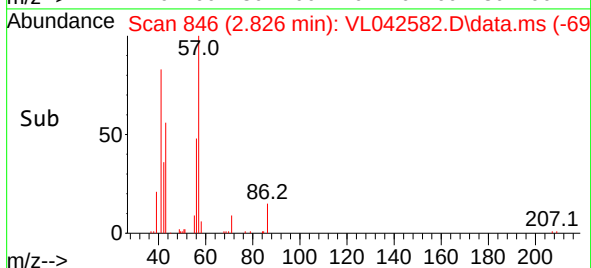
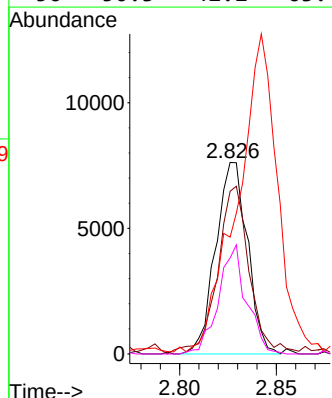
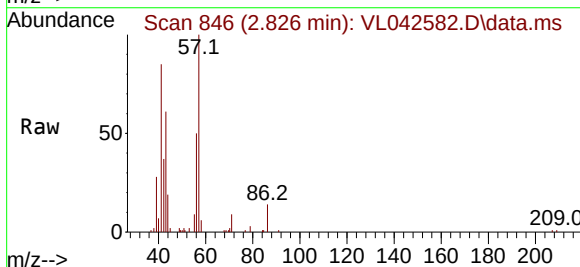
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

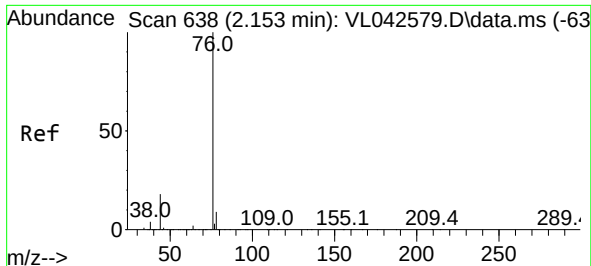
Tgt Ion: 43	Resp: 17990
Ion Ratio	Lower Upper
43 100	
45 11.4	8.2 12.2
61 8.5	7.1 10.7
70 8.3	6.4 9.6



#26
Hexane
Concen: 0.564 ppbv
RT: 2.826 min Scan# 846
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 57	Resp: 8694
Ion Ratio	Lower Upper
57 100	
41 89.3	70.6 106.0
43 218.8	181.1 271.7
56 50.3	42.2 63.4

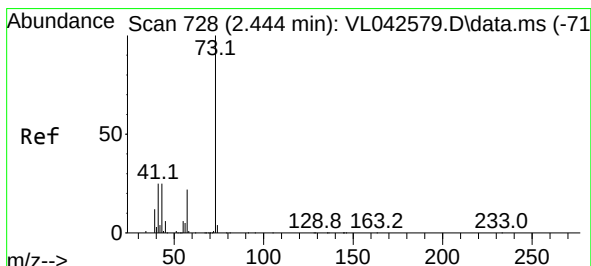
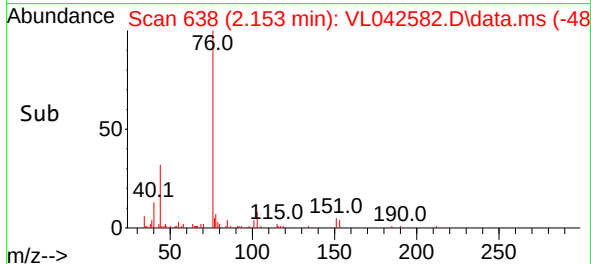
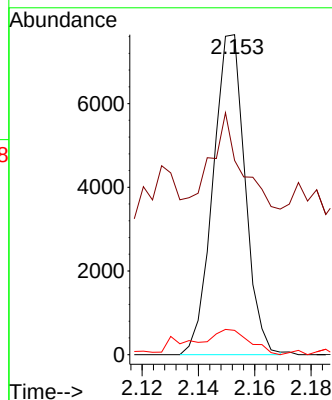
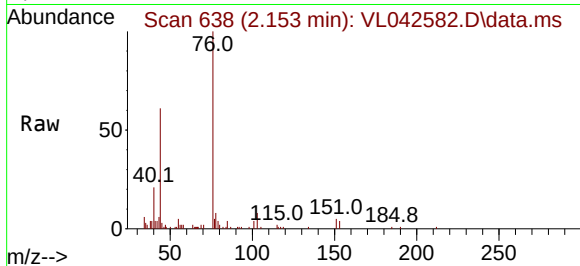




#27
Carbon Disulfide
Concen: 0.511 ppbv
RT: 2.153 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

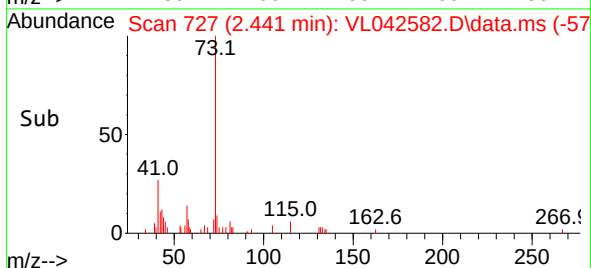
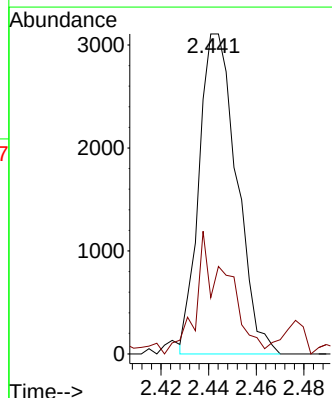
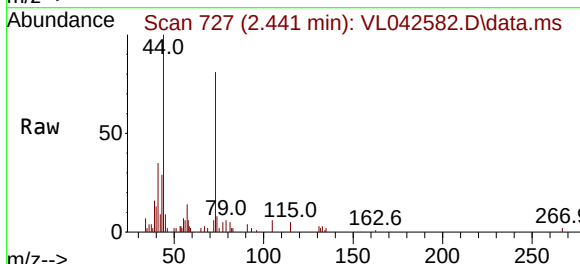
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

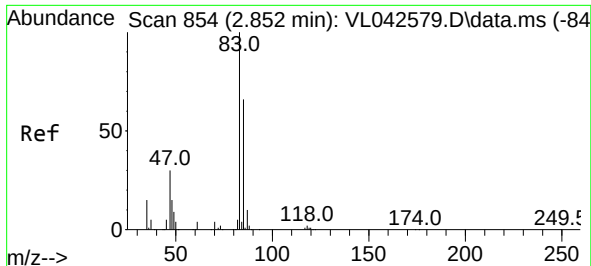
Tgt Ion: 76 Resp: 6043
Ion Ratio Lower Upper
76 100
44 169.1 21.3 31.9#
78 15.4 9.4 14.0#



#28
Methyl tert-Butyl Ether
Concen: 0.546 ppbv
RT: 2.441 min Scan# 727
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 73 Resp: 3416
Ion Ratio Lower Upper
73 100
57 34.3 19.9 29.9#





#29

Chloroform

Concen: 0.539 ppbv

RT: 2.849 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

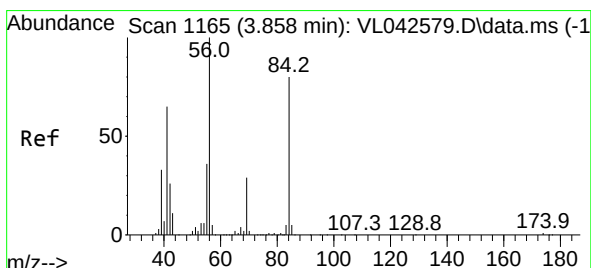
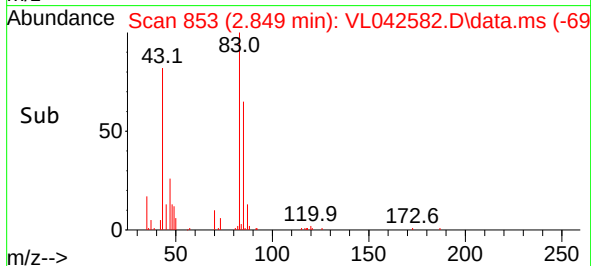
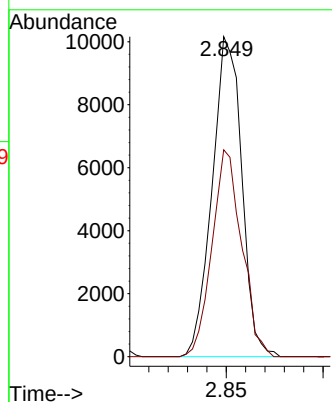
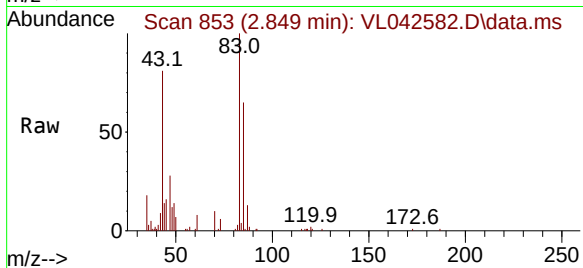
VSTDIC0.5

Tgt Ion: 83 Resp: 10798

Ion Ratio Lower Upper

83 100

85 64.6 52.8 79.2



#30

Cyclohexane

Concen: 0.252 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.003 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

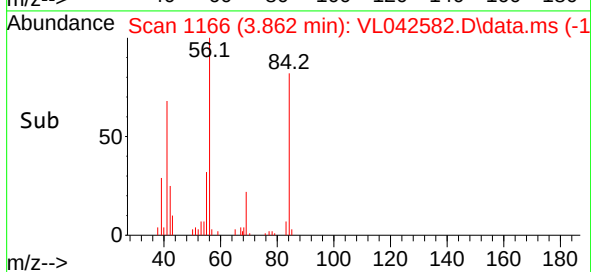
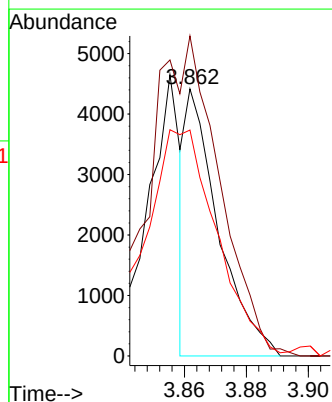
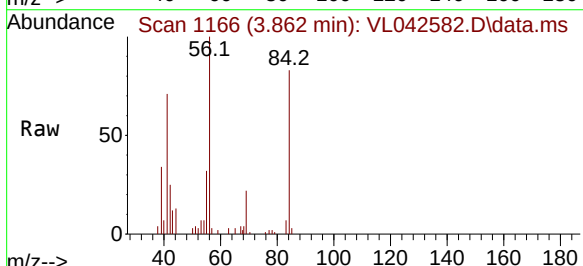
Tgt Ion: 84 Resp: 3216

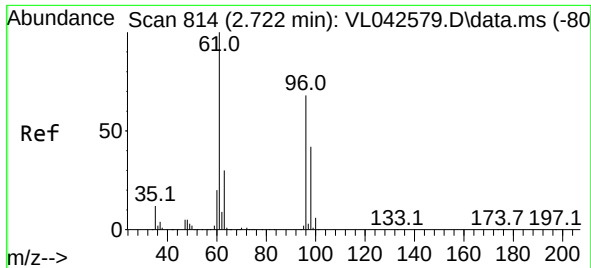
Ion Ratio Lower Upper

84 100

56 263.4 103.7 155.5#

41 0.0 65.1 97.7#

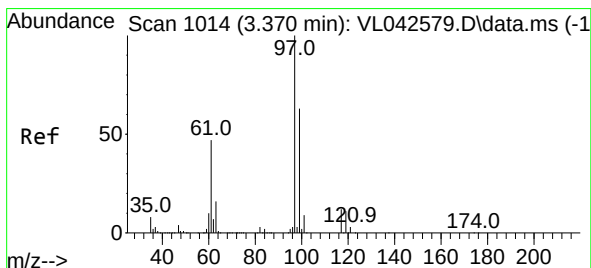
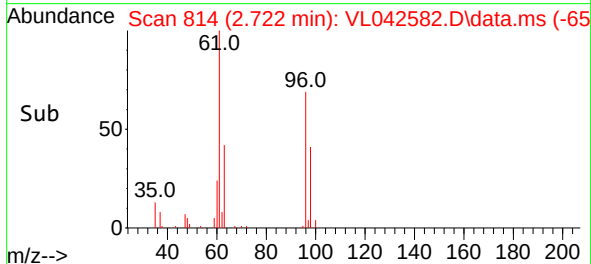
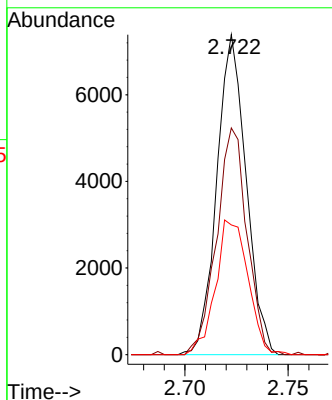
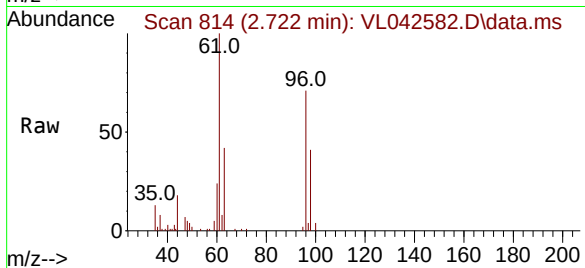




#31
 cis-1,2-Dichloroethene
 Concen: 0.518 ppbv
 RT: 2.722 min Scan# 814
 Delta R.T. 0.000 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

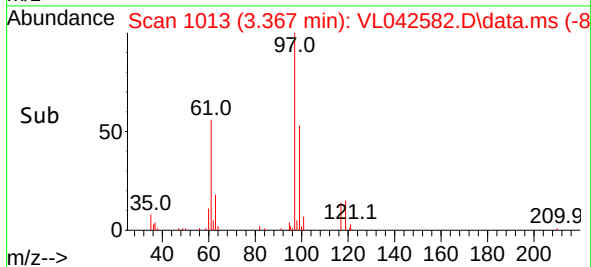
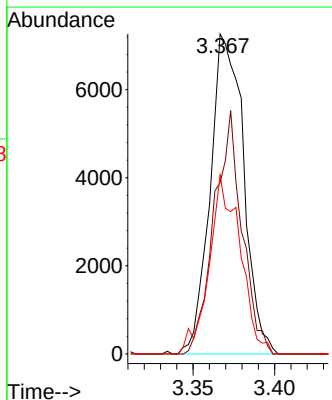
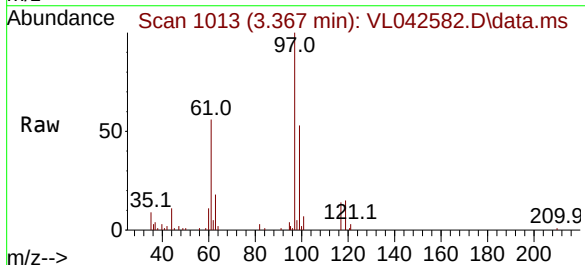
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

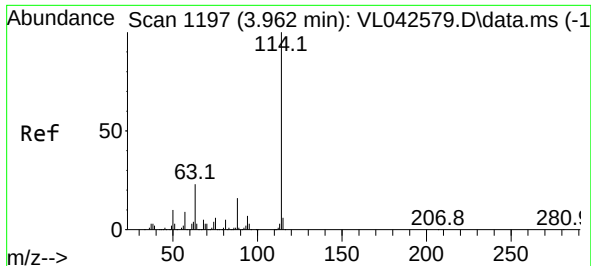
Tgt Ion: 61 Resp: 7302
 Ion Ratio Lower Upper
 61 100
 96 70.9 54.5 81.7
 98 40.5 33.4 50.2



#32
 1,1,1-Trichloroethane
 Concen: 0.513 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. -0.003 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

Tgt Ion: 97 Resp: 10309
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.6
 61 52.1 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: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

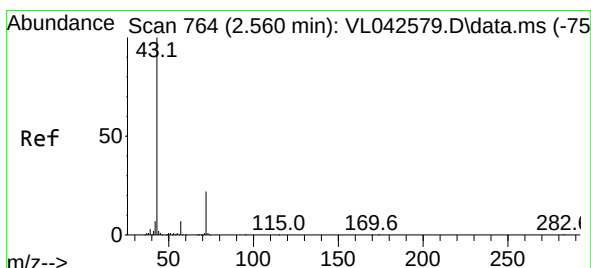
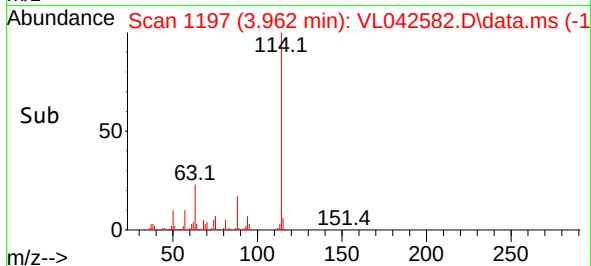
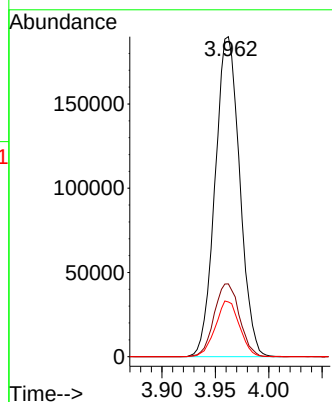
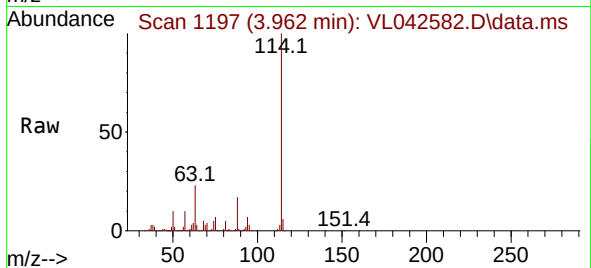
Tgt Ion:114 Resp: 304613

Ion Ratio Lower Upper

114 100

63 23.4 19.0 28.6

88 17.1 13.6 20.4



#34

2-Butanone

Concen: 0.533 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.003 min

Lab File: VL042582.D

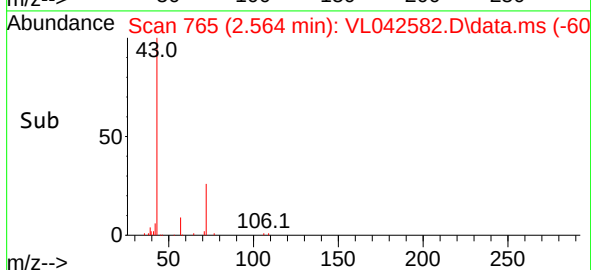
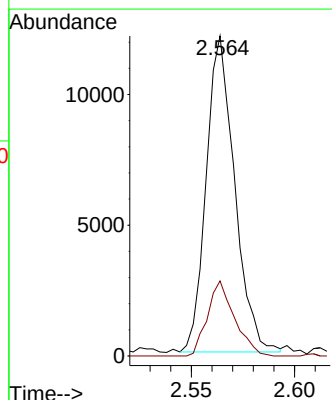
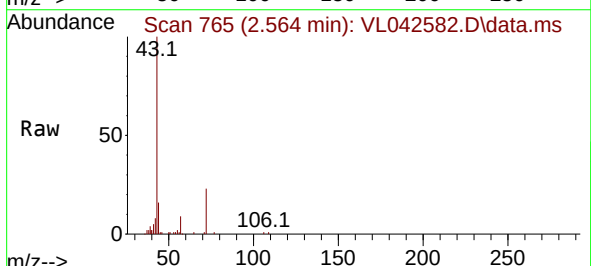
Acq: 29 May 2025 12:47

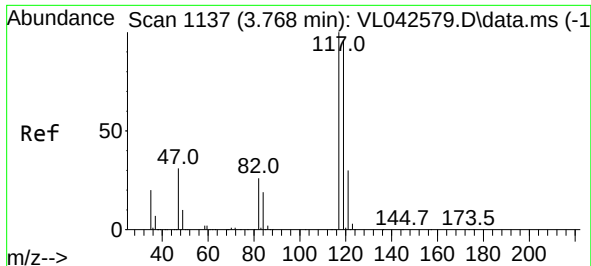
Tgt Ion: 43 Resp: 11569

Ion Ratio Lower Upper

43 100

72 22.5 17.7 26.5

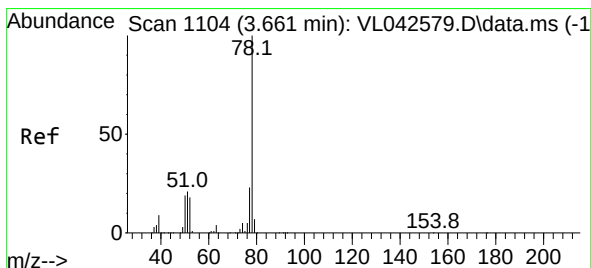
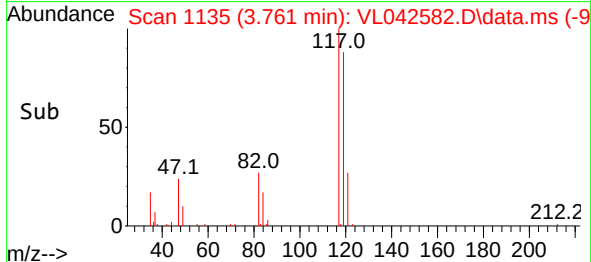
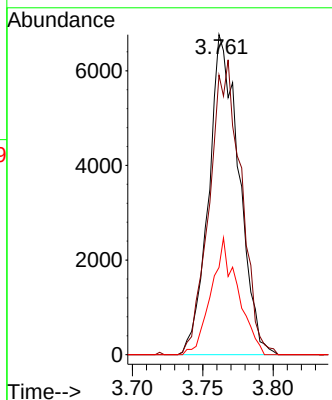
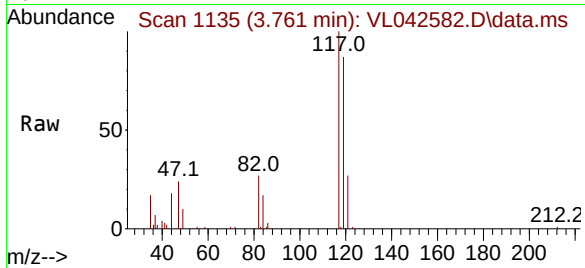




#35
Carbon Tetrachloride
Concen: 0.503 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

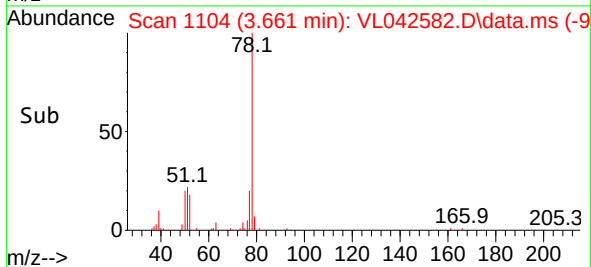
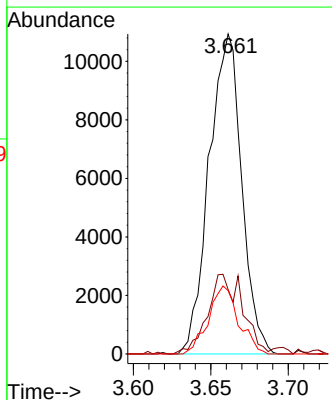
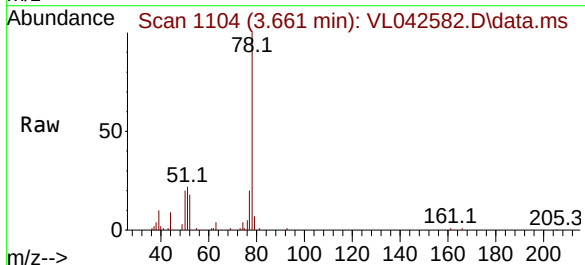
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

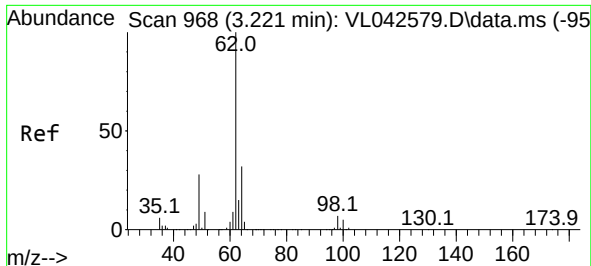
Tgt Ion:117 Resp: 10126
Ion Ratio Lower Upper
117 100
119 87.4 76.8 115.2
121 27.2 24.3 36.5



#36
Benzene
Concen: 0.533 ppbv
RT: 3.661 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 78 Resp: 16000
Ion Ratio Lower Upper
78 100
77 19.4 18.2 27.2
50 19.8 15.2 22.8

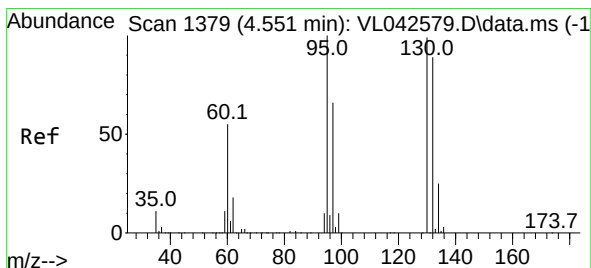
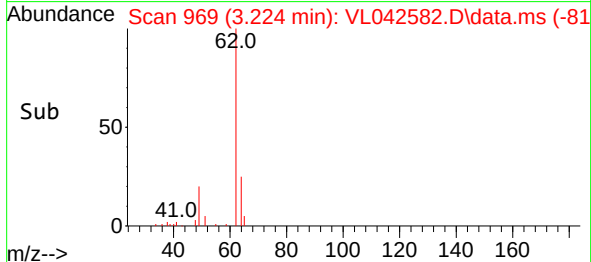
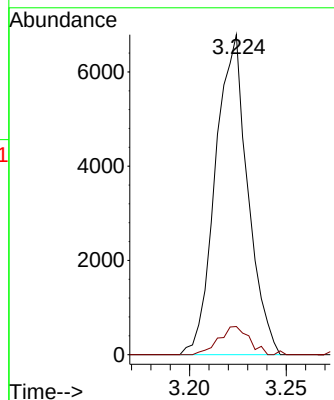
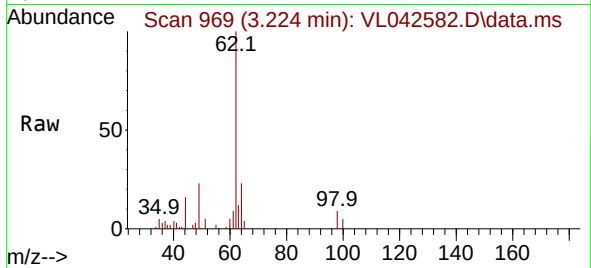




#37
1,2-Dichloroethane
Concen: 0.529 ppbv
RT: 3.224 min Scan# 90
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

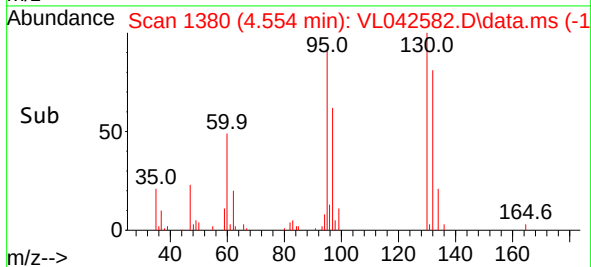
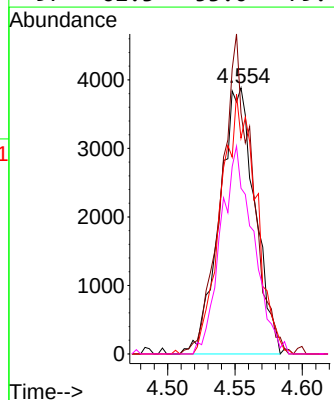
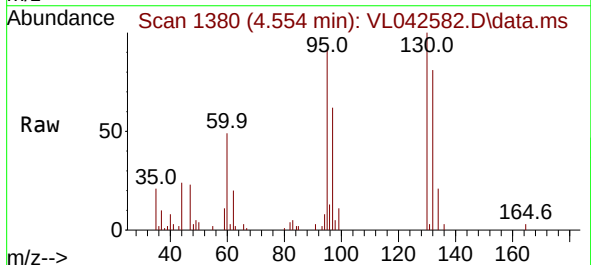
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

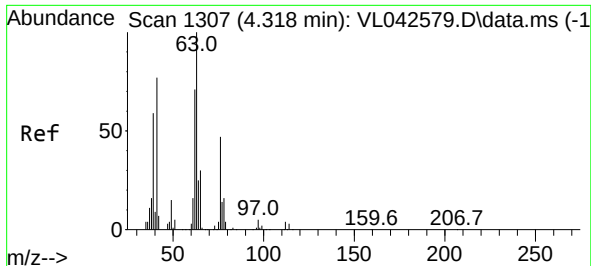
Tgt Ion: 62 Resp: 7883
Ion Ratio Lower Upper
62 100
98 8.4 6.1 9.1



#38
Trichloroethene
Concen: 0.555 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:130 Resp: 7126
Ion Ratio Lower Upper
130 100
95 90.6 80.6 121.0
132 81.1 71.8 107.6
97 62.3 53.0 79.4





#39

1,2-Dichloropropane

Concen: 0.376 ppbv

RT: 4.318 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

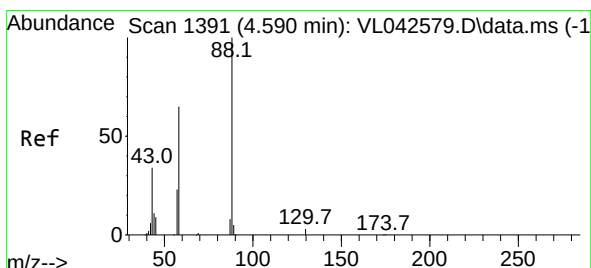
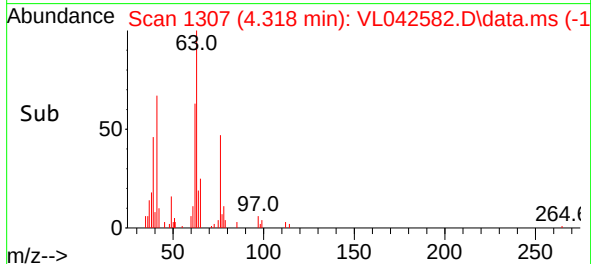
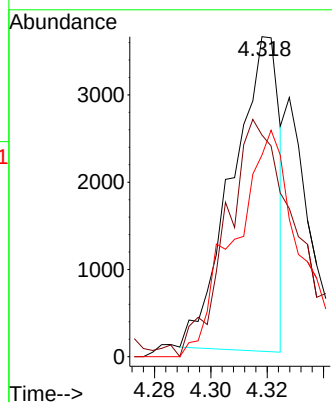
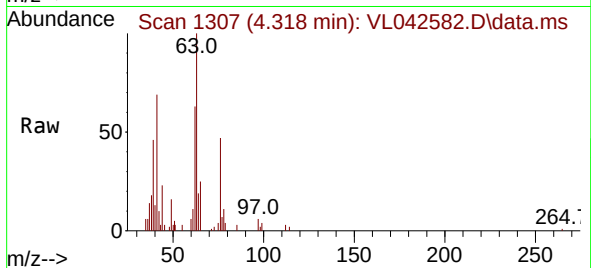
Tgt Ion: 63 Resp: 4173

Ion Ratio Lower Upper

63 100

41 74.8 61.8 92.6

62 68.1 56.6 85.0



#40

1,4-Dioxane

Concen: 0.352 ppbv

RT: 4.609 min Scan# 1397

Delta R.T. 0.020 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Tgt Ion: 88 Resp: 1661

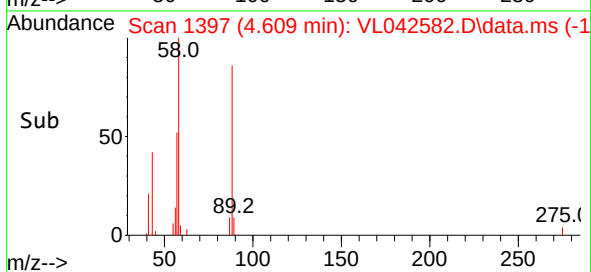
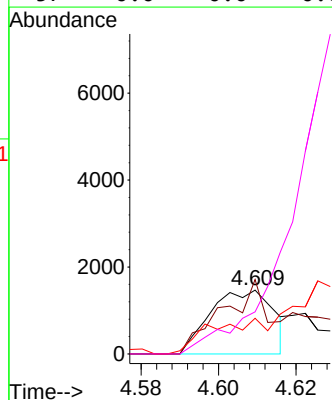
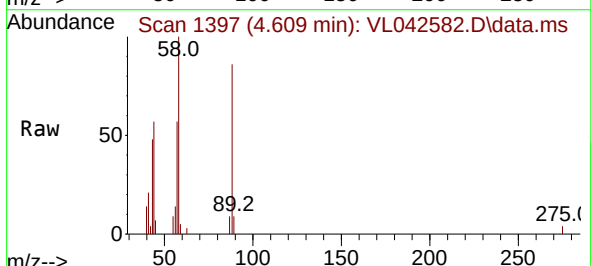
Ion Ratio Lower Upper

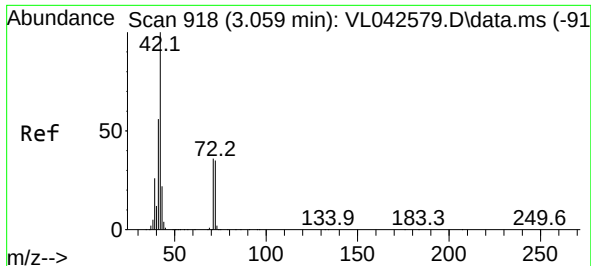
88 100

58 206.7 55.8 83.8#

43 24.3 24.8 37.2#

57 0.0 0.0 0.0

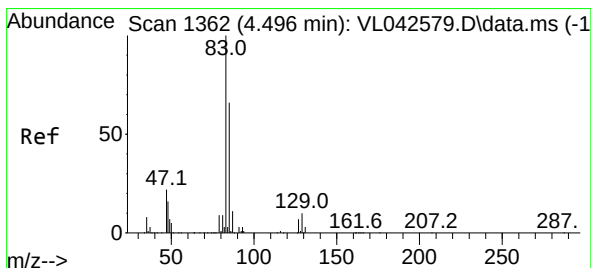
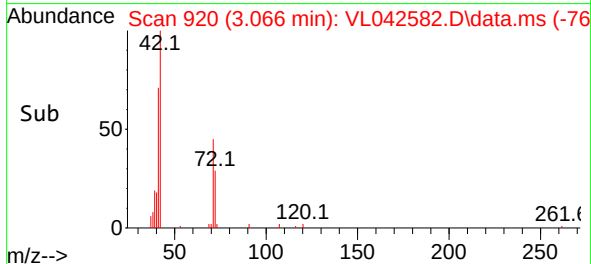
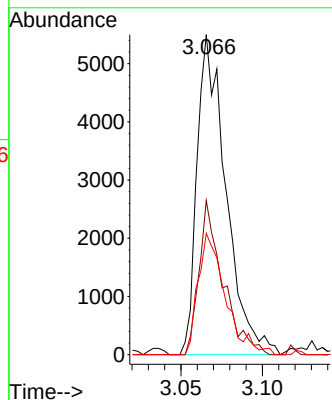
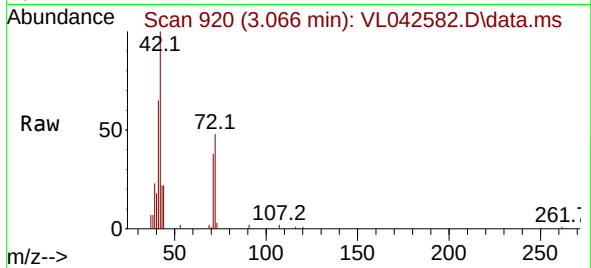




#41
Tetrahydrofuran
Concen: 0.533 ppbv
RT: 3.066 min Scan# 918
Delta R.T. 0.007 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

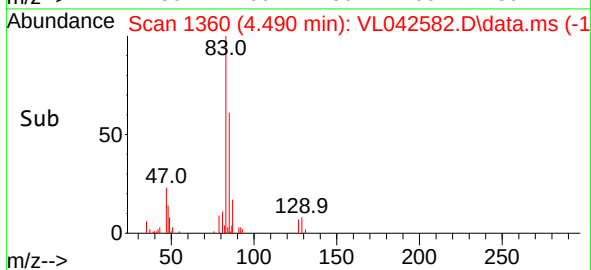
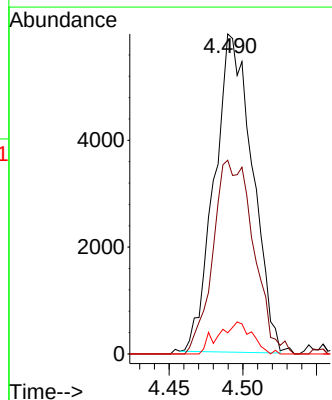
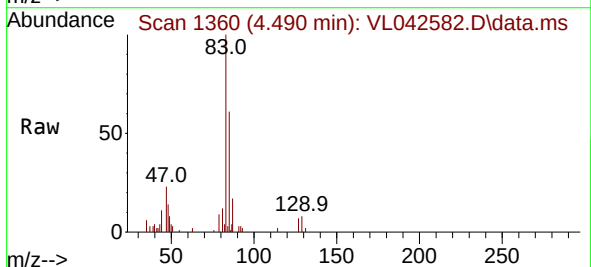
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

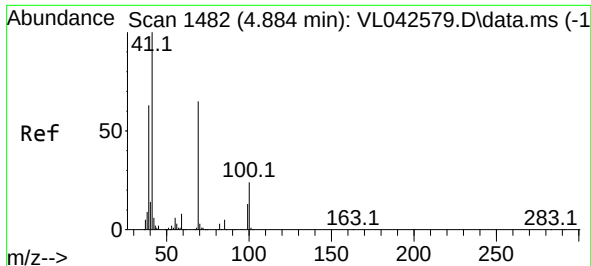
Tgt Ion: 42 Resp: 6775
Ion Ratio Lower Upper
42 100
72 40.4 28.9 43.3
71 36.2 28.5 42.7



#42
Bromodichloromethane
Concen: 0.505 ppbv
RT: 4.490 min Scan# 1360
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 83 Resp: 10688
Ion Ratio Lower Upper
83 100
85 61.1 52.7 79.1
127 6.6 5.8 8.6

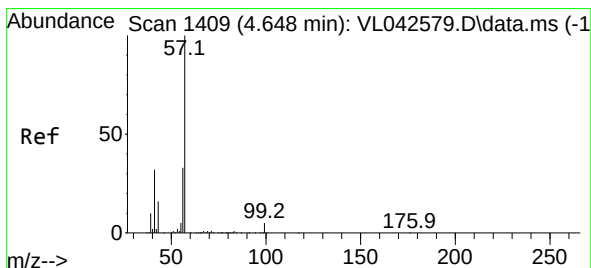
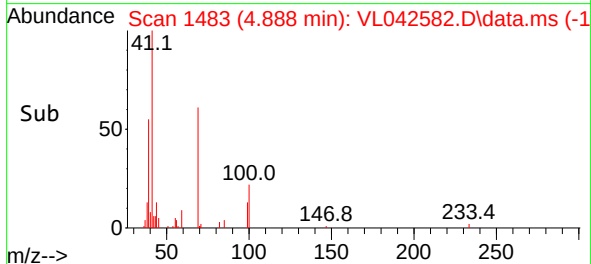
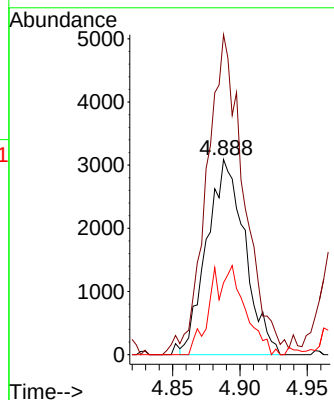
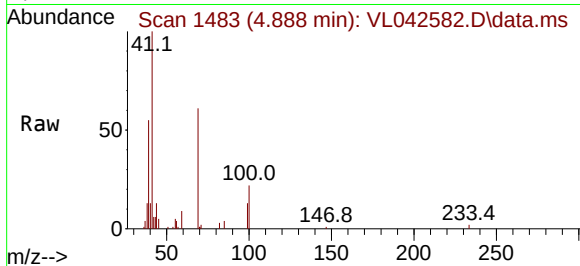




#43
Methyl Methacrylate
Concen: 0.521 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

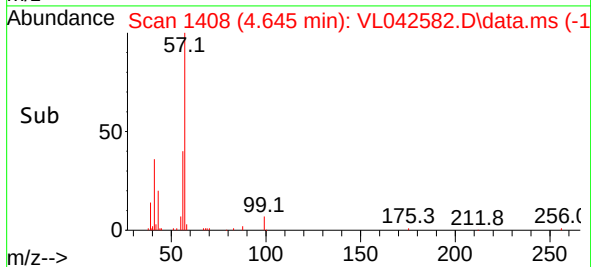
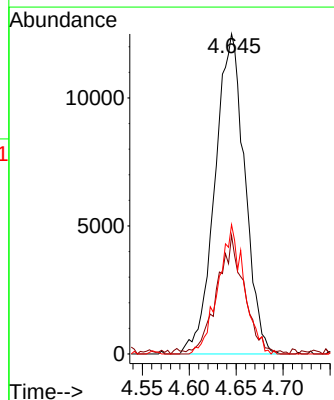
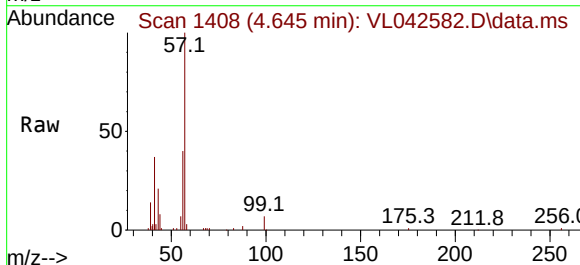
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

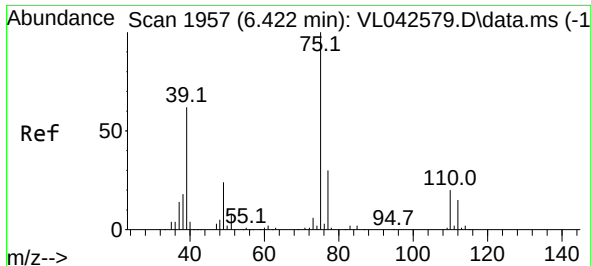
Tgt Ion: 69 Resp: 6056
Ion Ratio Lower Upper
69 100
41 160.5 124.6 187.0
100 42.4 29.9 44.9



#44
2,2,4-Trimethylpentane
Concen: 0.538 ppbv
RT: 4.645 min Scan# 1408
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 57 Resp: 27584
Ion Ratio Lower Upper
57 100
41 34.8 26.1 39.1
56 35.2 25.9 38.9

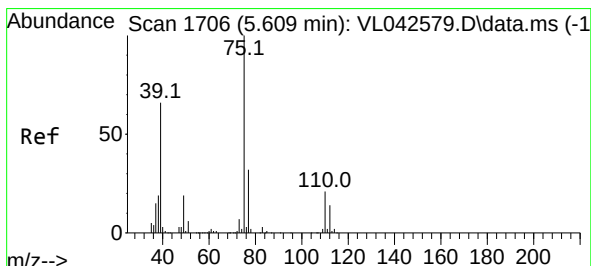
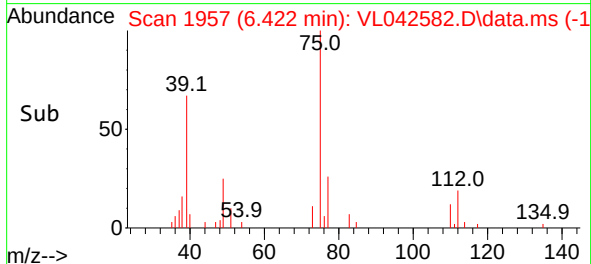
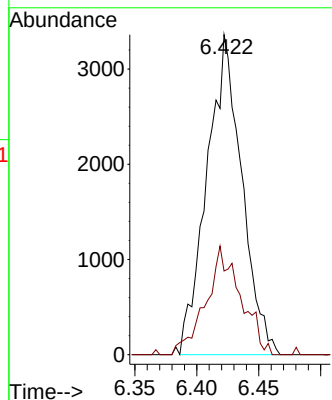
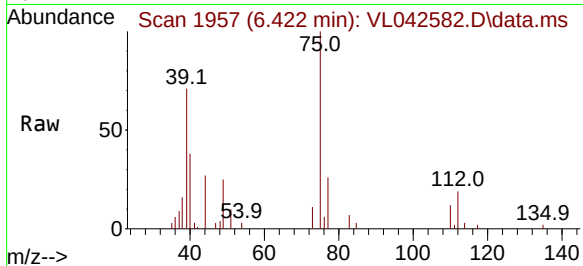




#45
 t-1,3-Dichloropropene
 Concen: 0.495 ppbv
 RT: 6.422 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

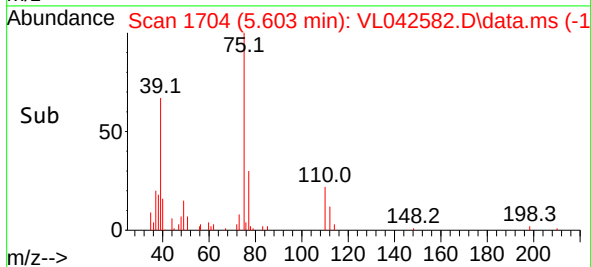
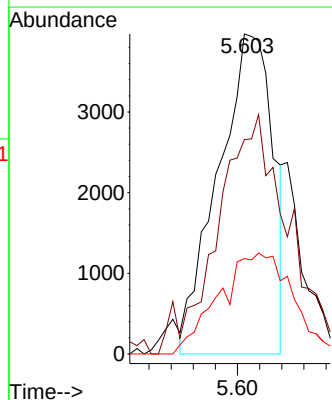
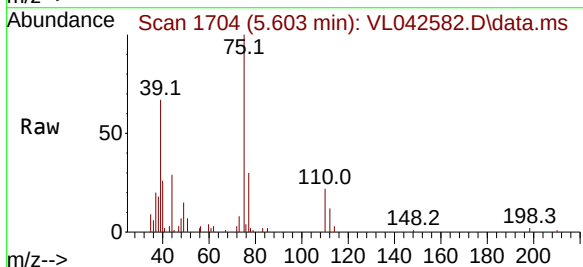
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

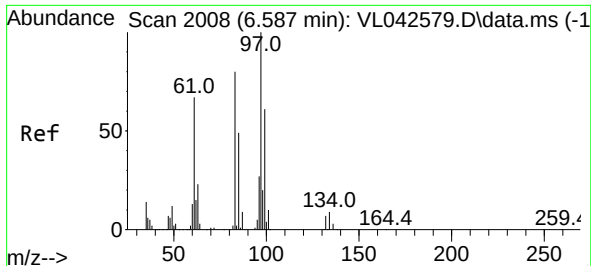
Tgt Ion: 75 Resp: 6598
 Ion Ratio Lower Upper
 75 100
 77 26.1 24.2 36.2



#46
 cis-1,3-Dichloropropene
 Concen: 0.410 ppbv
 RT: 5.603 min Scan# 1704
 Delta R.T. -0.006 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

Tgt Ion: 75 Resp: 6845
 Ion Ratio Lower Upper
 75 100
 39 66.4 52.7 79.1
 77 28.9 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 0.269 ppbv

RT: 6.584 min Scan# 2008

Delta R.T. -0.003 min

Lab File: VL042582.D

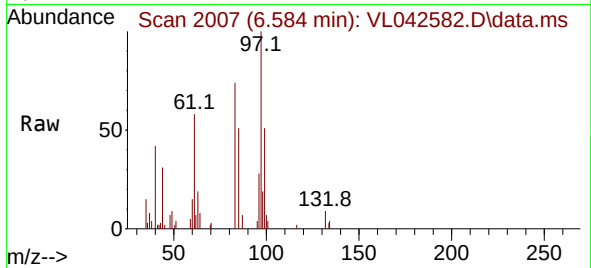
Acq: 29 May 2025 12:47

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5



Tgt Ion: 97 Resp: 3090

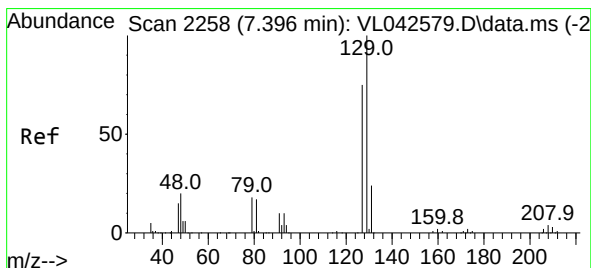
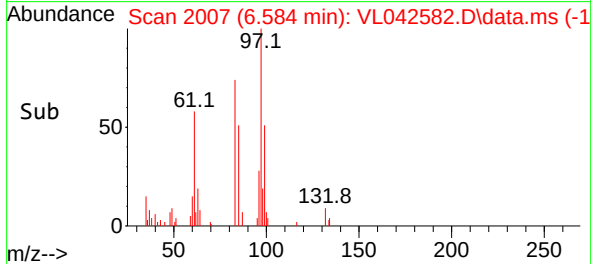
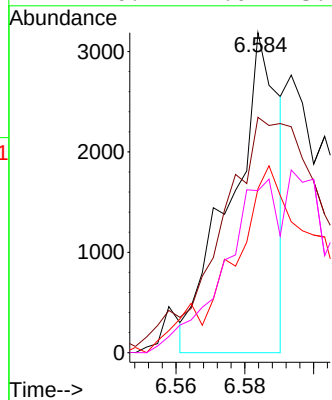
Ion Ratio Lower Upper

97 100

83 69.0 63.9 95.9

85 45.0 39.2 58.8

99 46.4 49.0 73.4#



#48

Dibromochloromethane

Concen: 0.278 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. 0.003 min

Lab File: VL042582.D

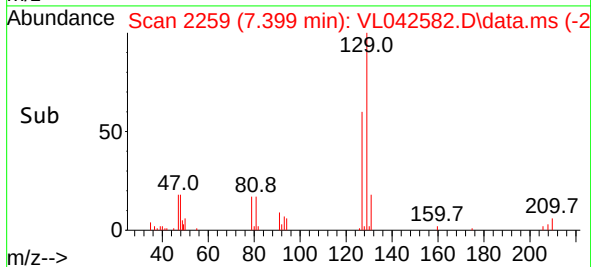
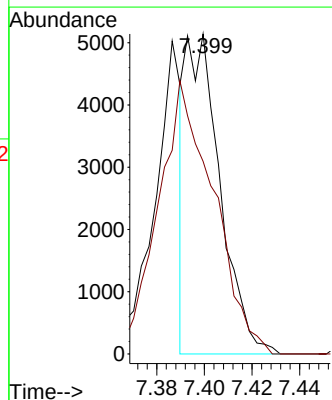
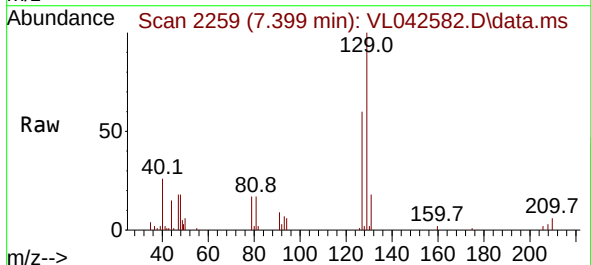
Acq: 29 May 2025 12:47

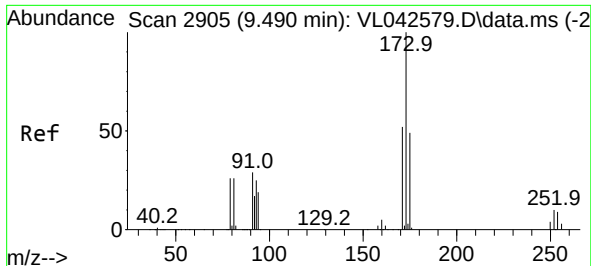
Tgt Ion: 129 Resp: 5119

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

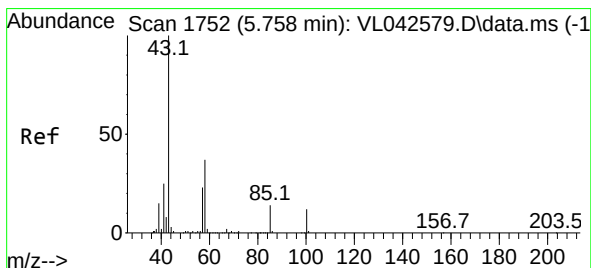
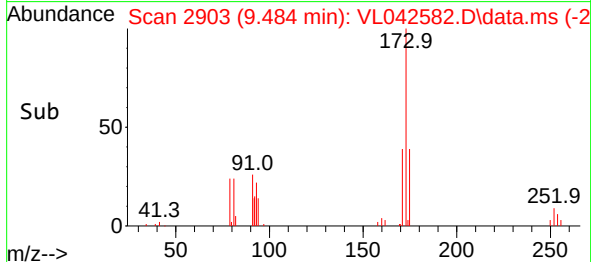
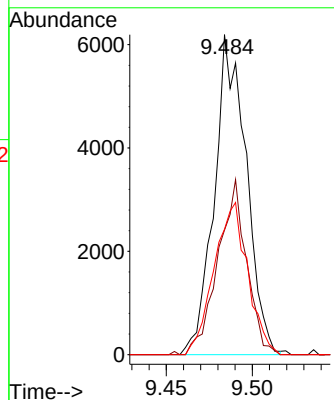
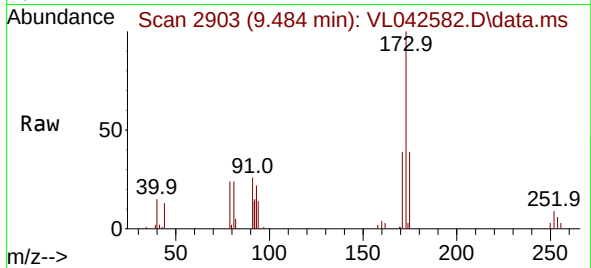




#49
Bromoform
Concen: 0.503 ppbv
RT: 9.484 min Scan# 2905
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

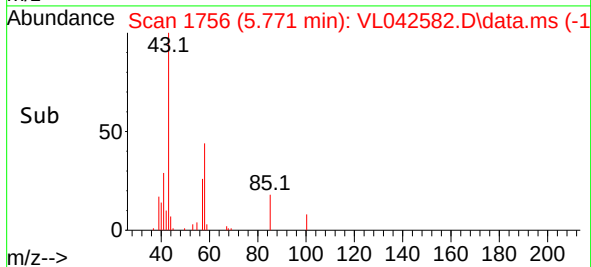
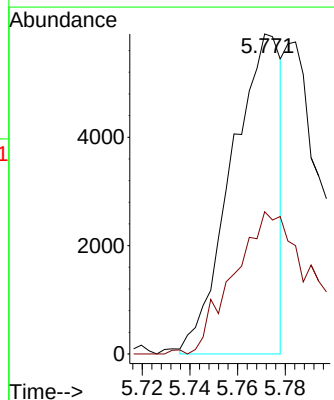
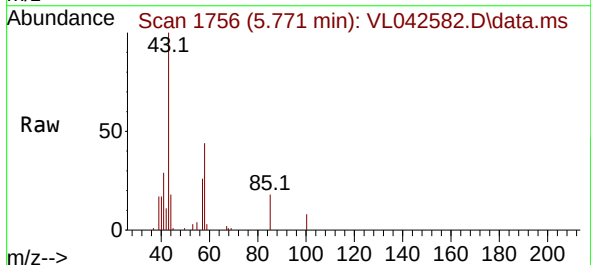
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

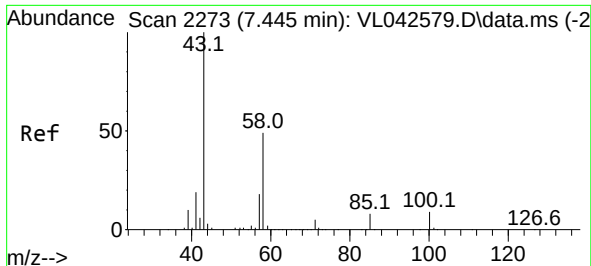
Tgt Ion:173 Resp: 7974
Ion Ratio Lower Upper
173 100
175 49.4 38.7 58.1
171 50.2 41.2 61.8



#50
4-Methyl-2-Pentanone
Concen: 0.279 ppbv
RT: 5.771 min Scan# 1756
Delta R.T. 0.013 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 43 Resp: 8451
Ion Ratio Lower Upper
43 100
58 75.5 28.3 42.5#

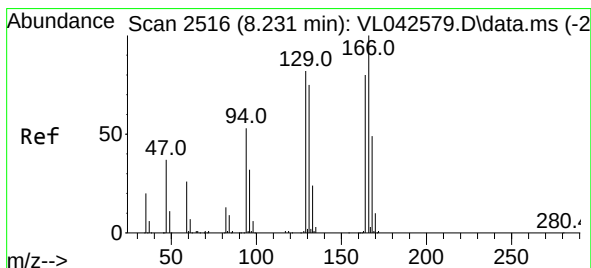
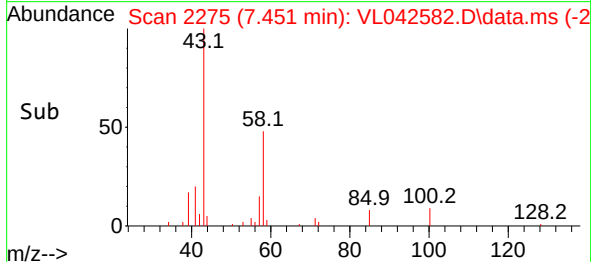
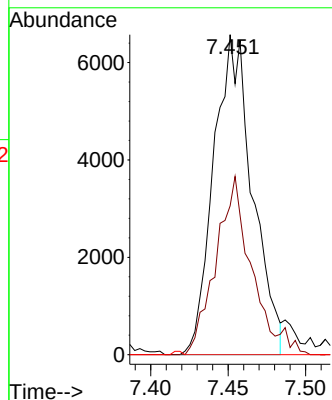
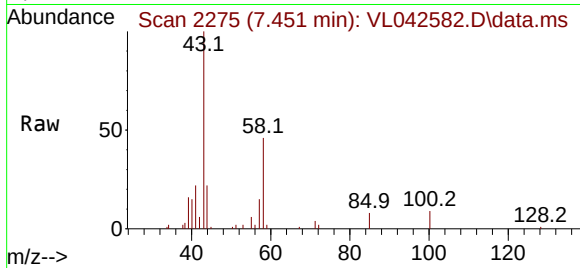




#51
2-Hexanone
Concen: 0.479 ppbv
RT: 7.451 min Scan# 211
Delta R.T. 0.007 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

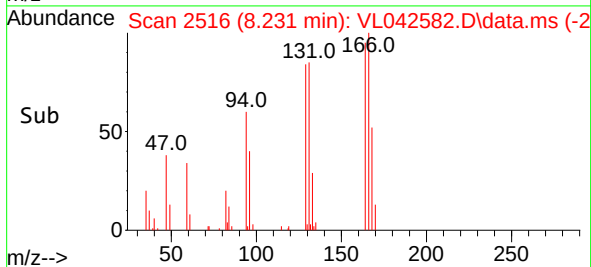
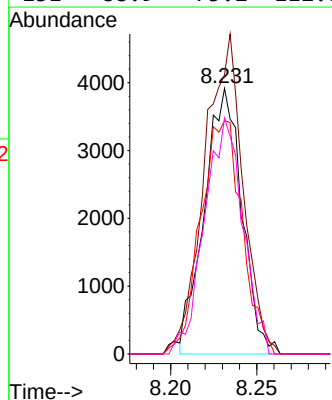
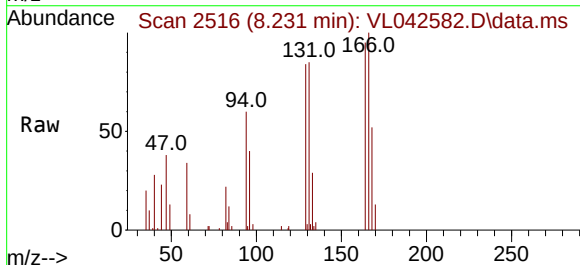
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

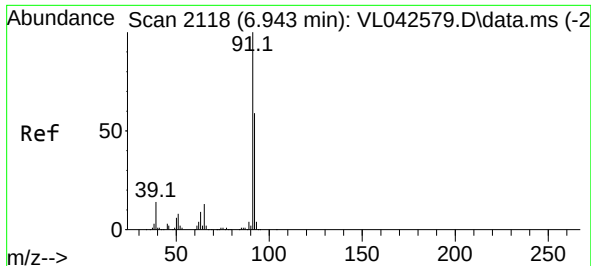
Tgt Ion: 43 Resp: 11458
Ion Ratio Lower Upper
43 100
58 51.5 39.9 59.9
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.531 ppbv
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:164 Resp: 5950
Ion Ratio Lower Upper
164 100
166 105.1 100.0 150.0
129 87.8 82.2 123.4
131 88.9 75.2 112.8

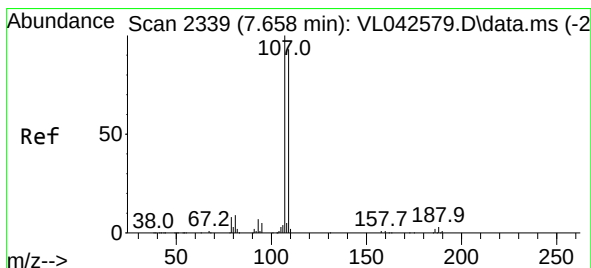
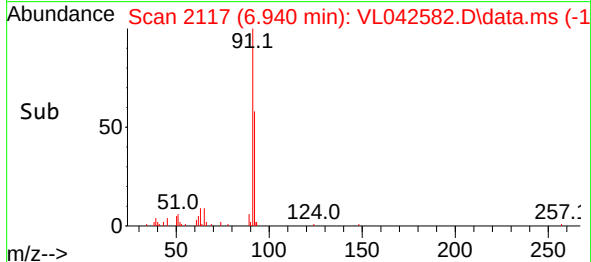
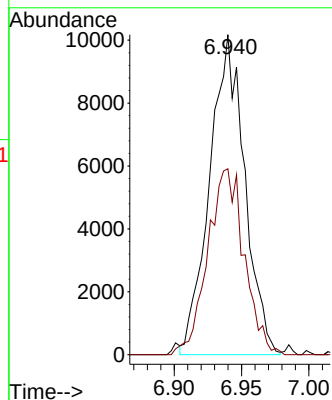
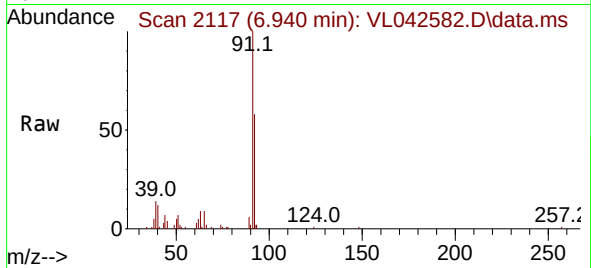




#53
Toluene
Concen: 0.532 ppbv
RT: 6.940 min Scan# 2118
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

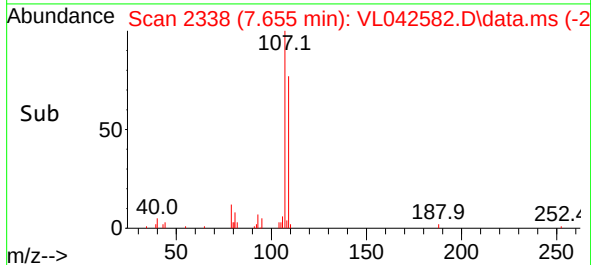
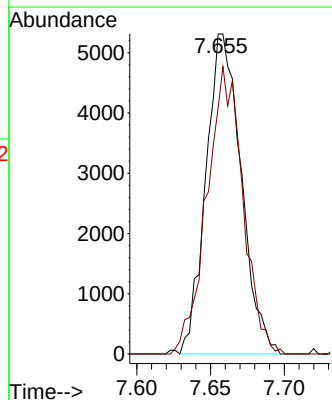
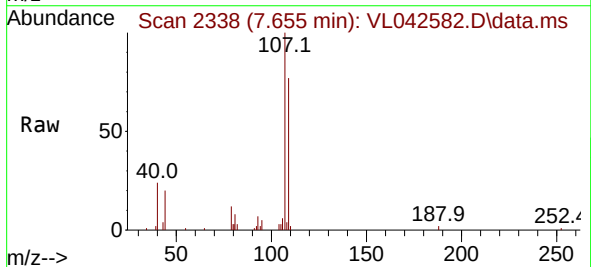
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

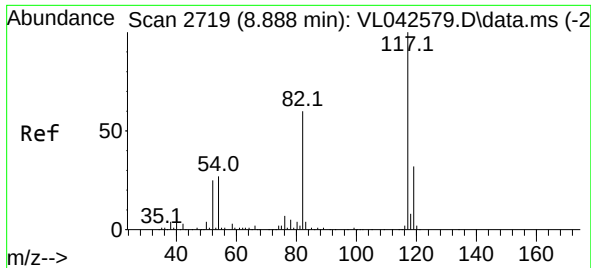
Tgt Ion: 91 Resp: 18429
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.4



#54
1,2-Dibromoethane
Concen: 0.518 ppbv
RT: 7.655 min Scan# 2338
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 107 Resp: 8810
Ion Ratio Lower Upper
107 100
109 75.3 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

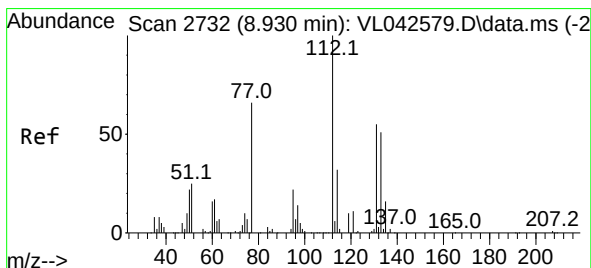
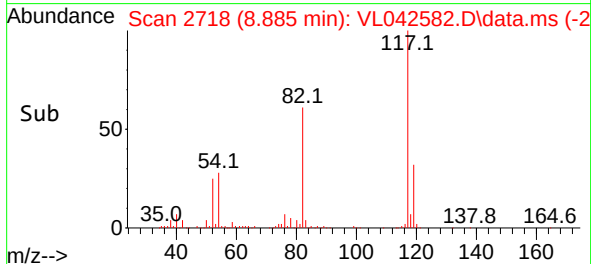
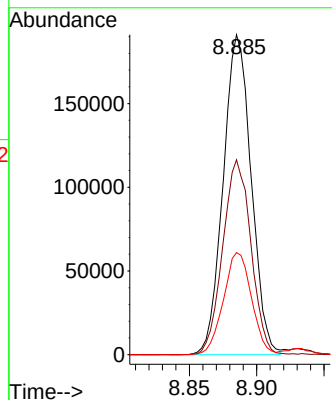
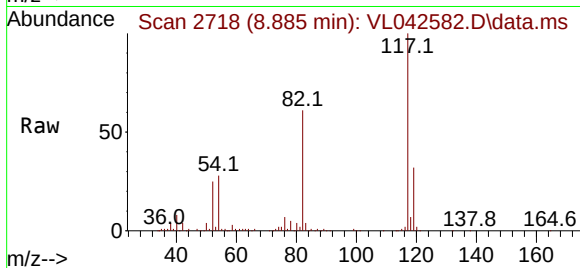
Tgt Ion:117 Resp: 276104

Ion Ratio Lower Upper

117 100

82 61.6 51.2 76.8

119 32.5 26.3 39.5



#56

1,1,1,2-Tetrachloroethane

Concen: 0.517 ppbv

RT: 8.934 min Scan# 2733

Delta R.T. 0.003 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

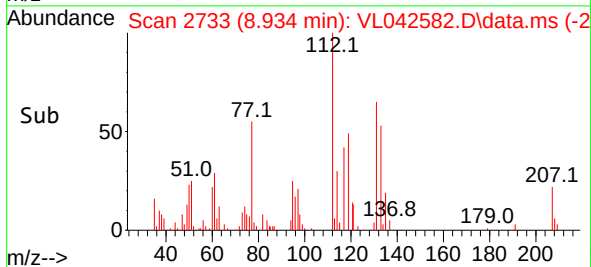
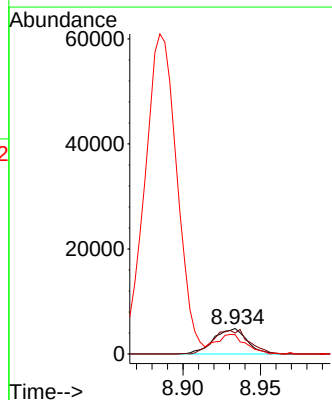
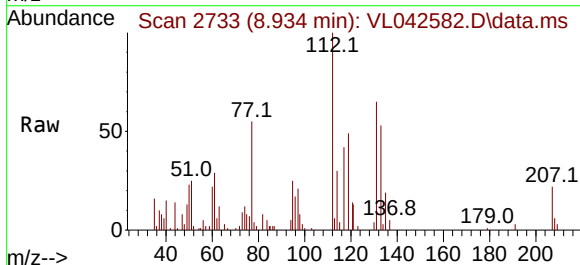
Tgt Ion:131 Resp: 7178

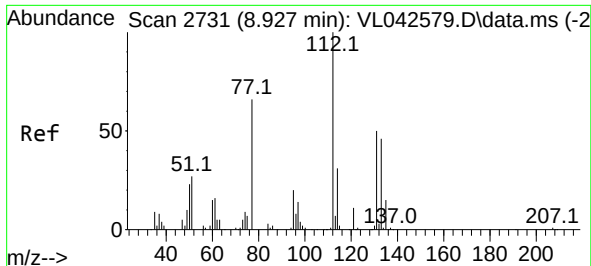
Ion Ratio Lower Upper

131 100

133 102.6 75.0 112.6

119 52.0 50.8 76.2

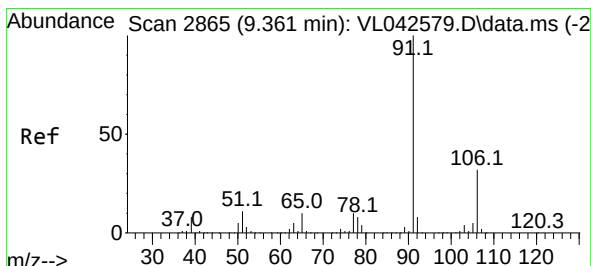
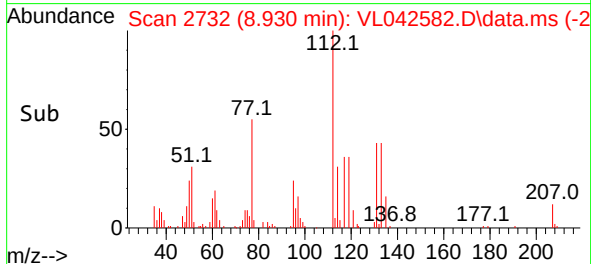
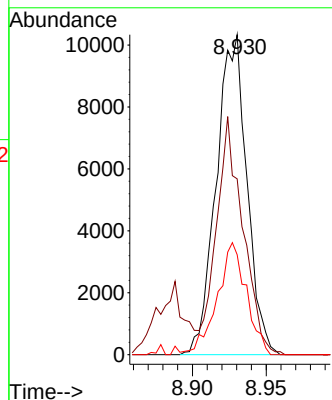
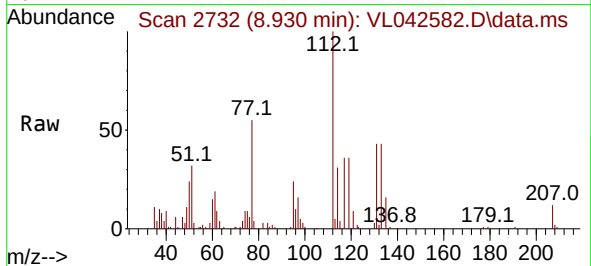




#57
Chlorobenzene
Concen: 0.557 ppbv
RT: 8.930 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

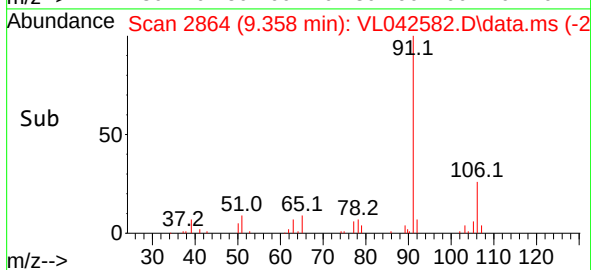
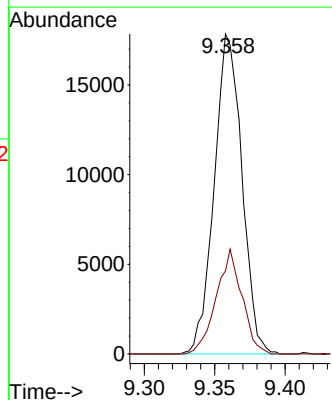
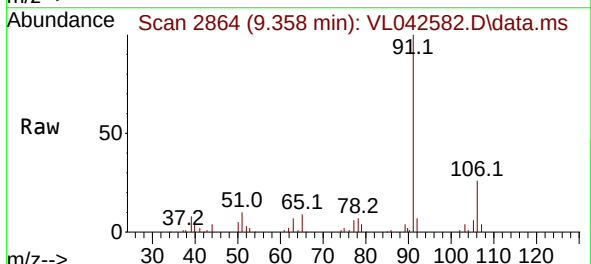
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

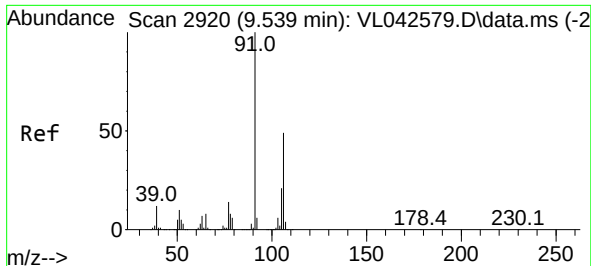
Tgt Ion:112 Resp: 14920
Ion Ratio Lower Upper
112 100
77 54.0 53.5 80.3
114 31.2 27.8 34.0



#58
Ethyl Benzene
Concen: 0.522 ppbv
RT: 9.358 min Scan# 2864
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 24442
Ion Ratio Lower Upper
91 100
106 25.9 25.9 38.9





#59

m/p-Xylene

Concen: 0.398 ppbv

RT: 9.536 min Scan# 2919

Delta R.T. -0.003 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

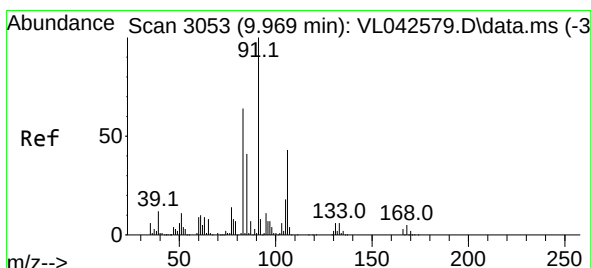
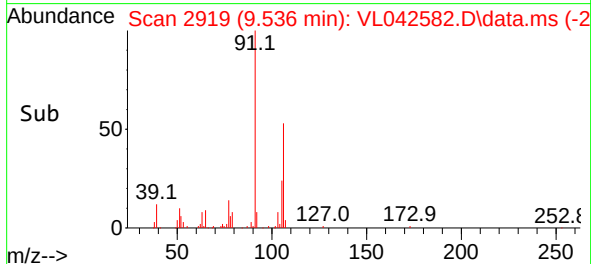
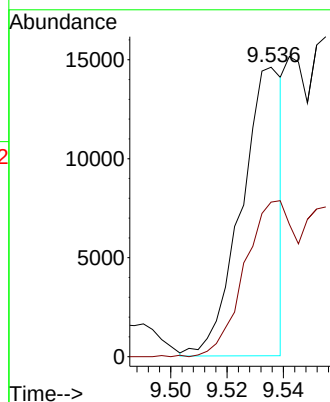
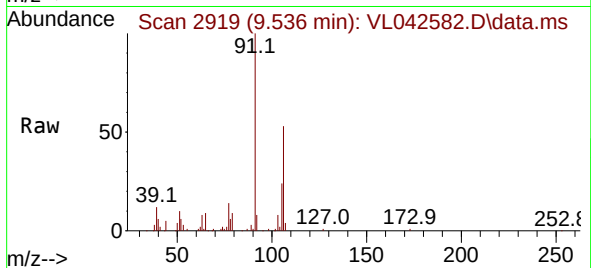
VSTDIC0.5

Tgt Ion: 91 Resp: 14666

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 0.537 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.003 min

Lab File: VL042582.D

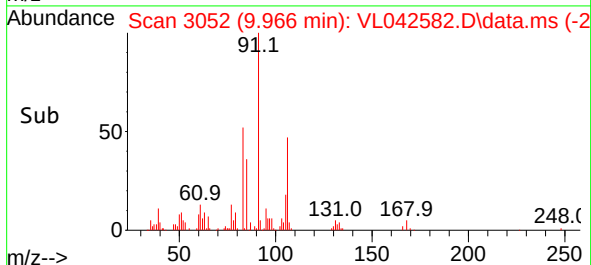
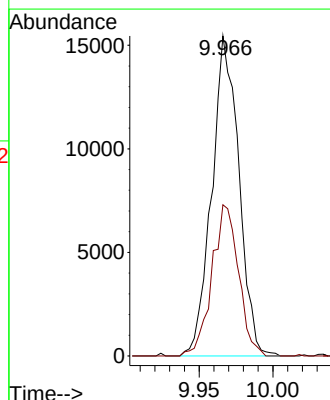
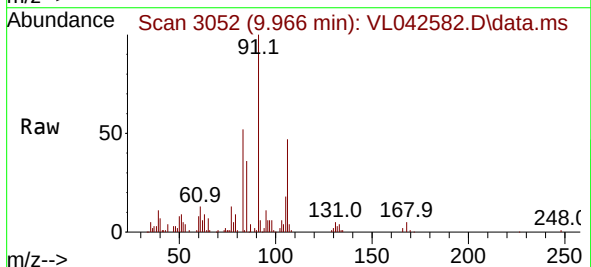
Acq: 29 May 2025 12:47

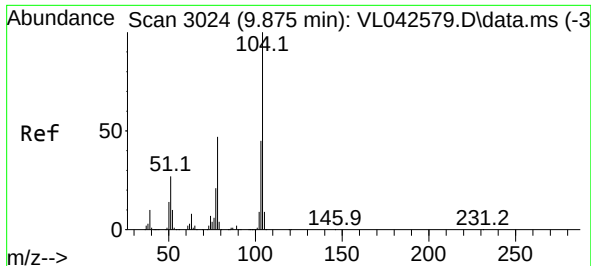
Tgt Ion: 91 Resp: 19745

Ion Ratio Lower Upper

91 100

106 46.2 22.9 68.5

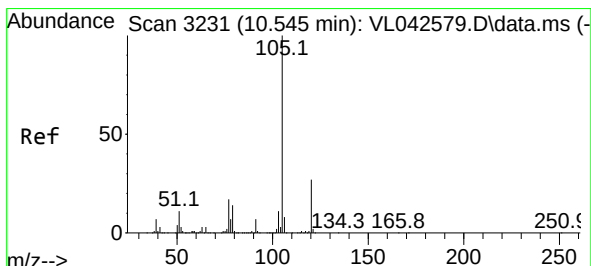
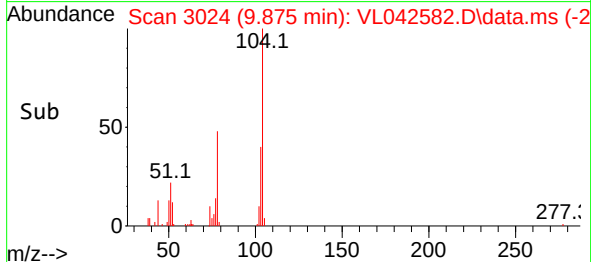
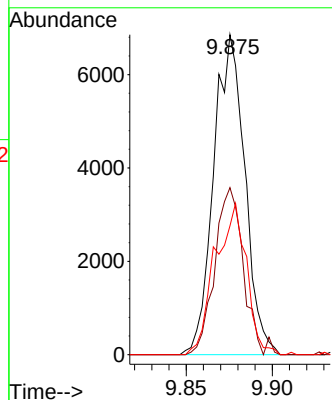
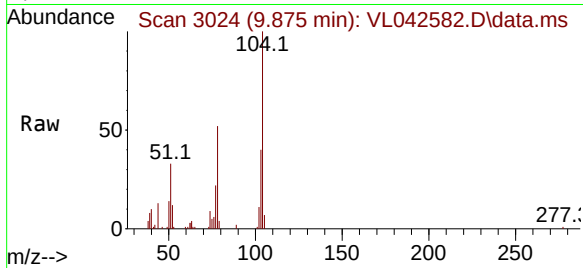




#61
Styrene
Concen: 0.497 ppbv
RT: 9.875 min Scan# 3024
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

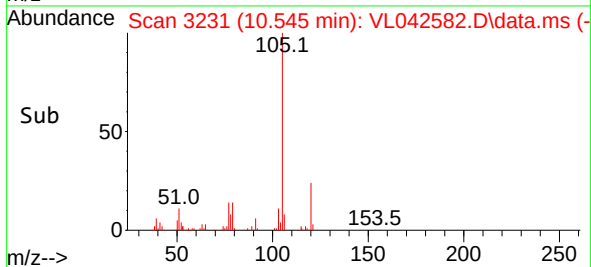
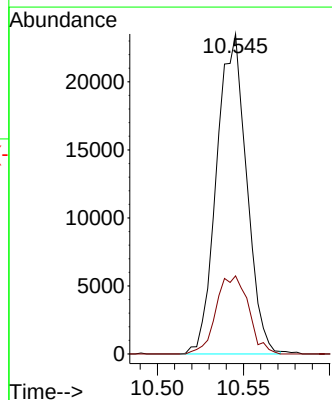
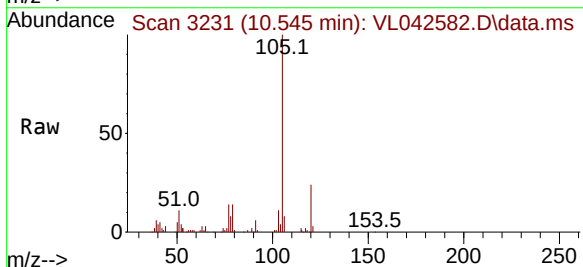
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

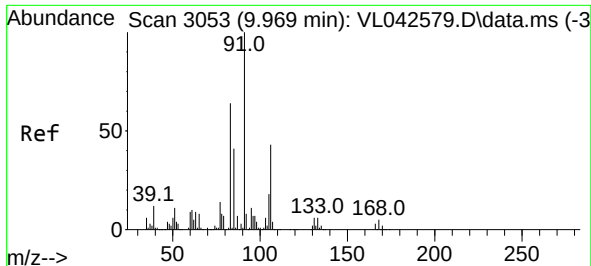
Tgt Ion:104 Resp: 8639
Ion Ratio Lower Upper
104 100
78 47.9 38.2 57.4
103 47.6 36.7 55.1



#62
Isopropylbenzene
Concen: 0.524 ppbv
RT: 10.545 min Scan# 3231
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:105 Resp: 28442
Ion Ratio Lower Upper
105 100
120 26.4 20.9 31.3





#63

1,1,2,2-Tetrachloroethane

Concen: 0.519 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. 0.000 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

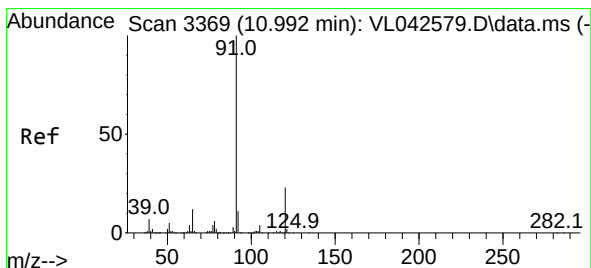
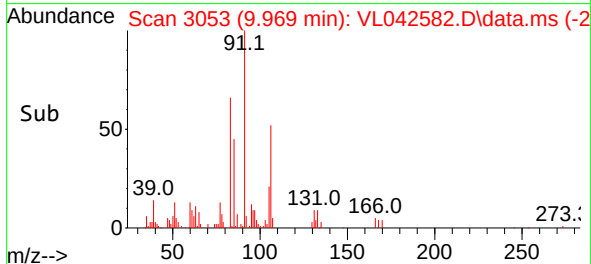
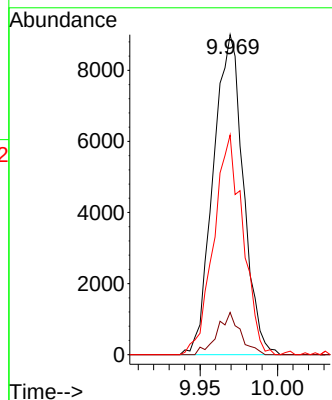
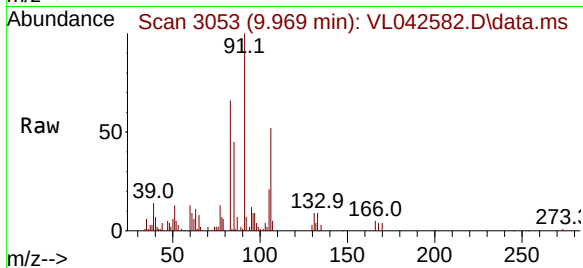
Tgt Ion: 83 Resp: 12137

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.4

85 67.5 32.5 97.4



#64

n-propylbenzene

Concen: 0.549 ppbv

RT: 10.995 min Scan# 3370

Delta R.T. 0.003 min

Lab File: VL042582.D

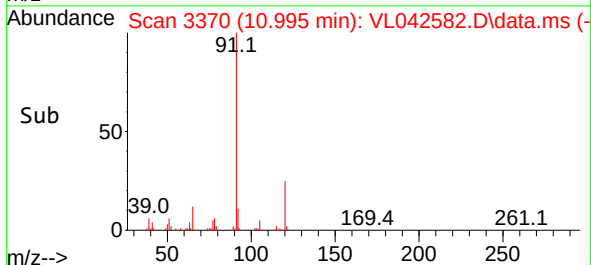
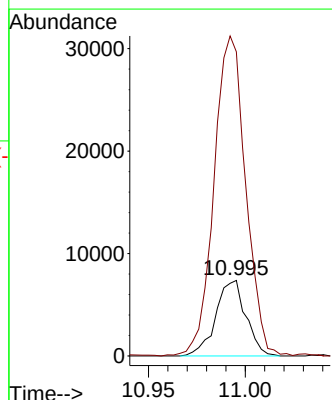
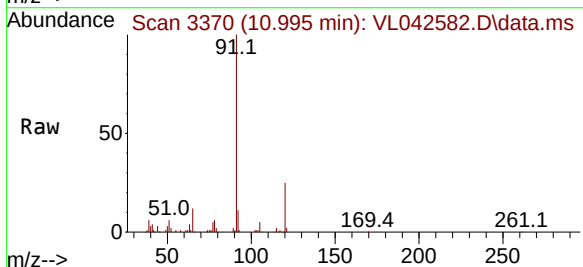
Acq: 29 May 2025 12:47

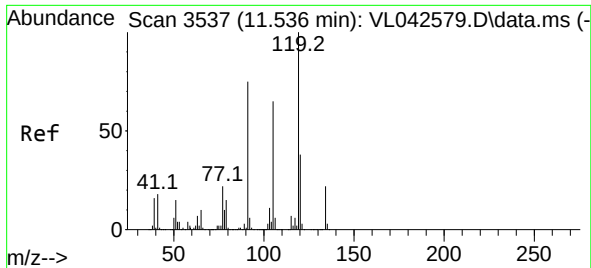
Tgt Ion: 120 Resp: 7993

Ion Ratio Lower Upper

120 100

91 447.2 363.0 544.6

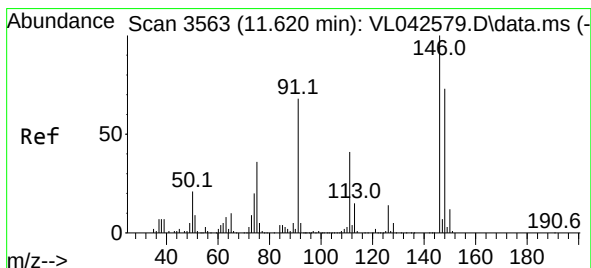
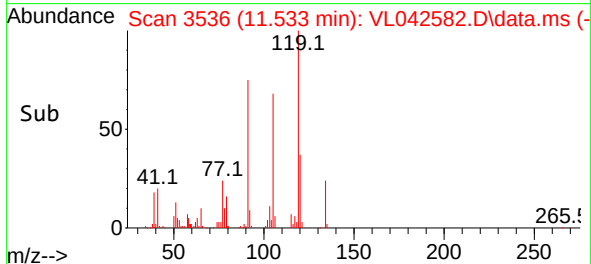
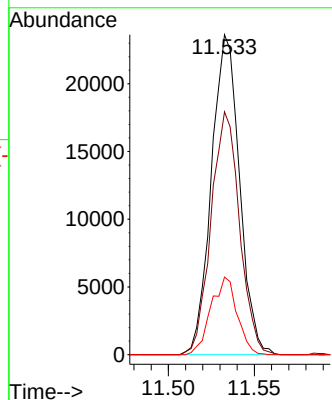
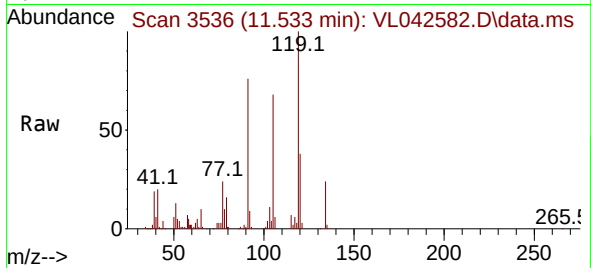




#65
tert-Butylbenzene
Concen: 0.545 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

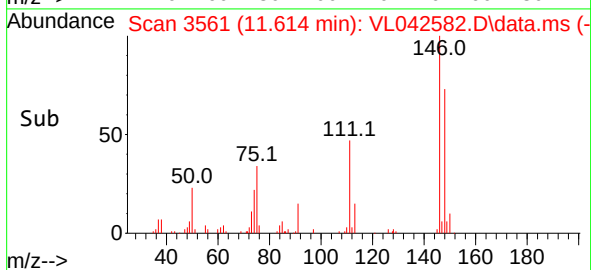
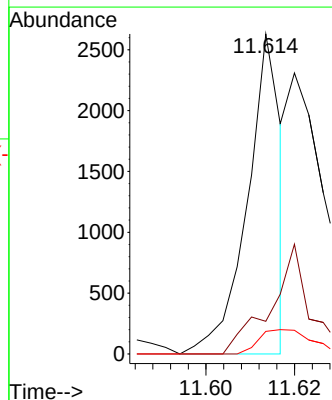
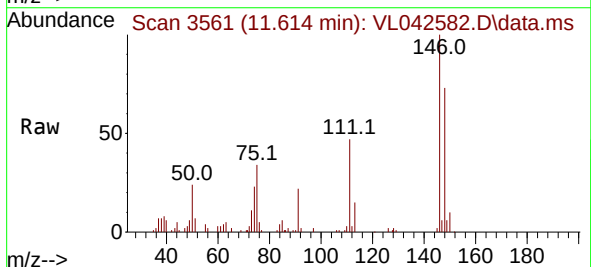
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

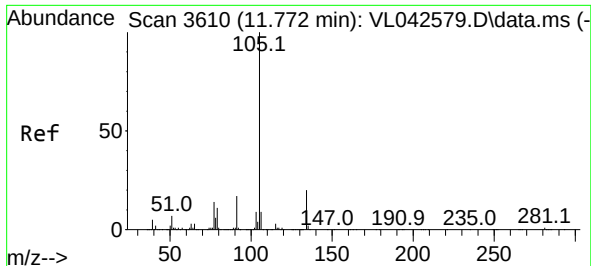
Tgt Ion:119 Resp: 26856
Ion Ratio Lower Upper
119 100
91 76.7 61.1 91.7
134 22.6 17.4 26.2



#66
Benzyl Chloride
Concen: 0.220 ppbv
RT: 11.614 min Scan# 3561
Delta R.T. -0.006 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 91 Resp: 1398
Ion Ratio Lower Upper
91 100
126 0.0 15.1 22.7#
128 0.0 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.547 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. -0.003 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_1

ClientSampleId :

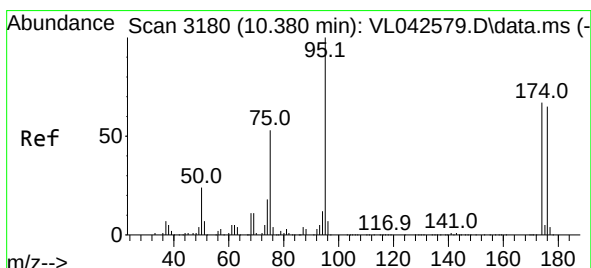
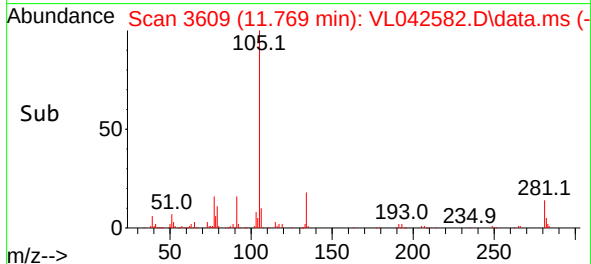
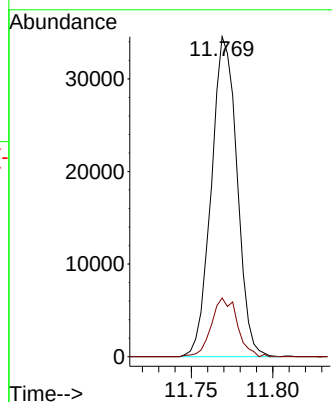
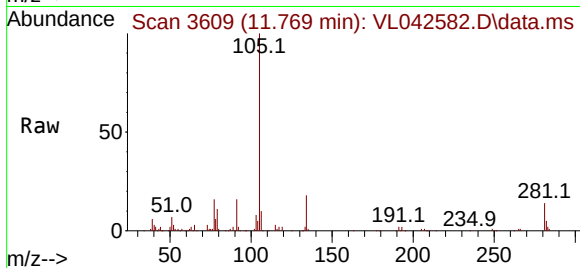
VSTDIC0.5

Tgt Ion:105 Resp: 37899

Ion Ratio Lower Upper

105 100

134 18.6 15.8 23.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.065 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.000 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

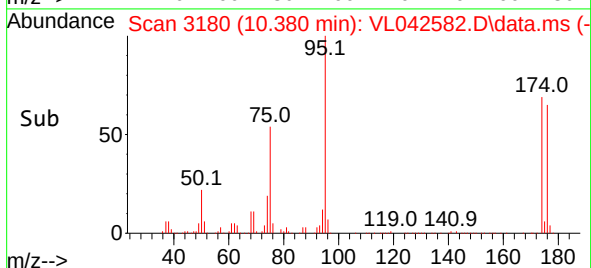
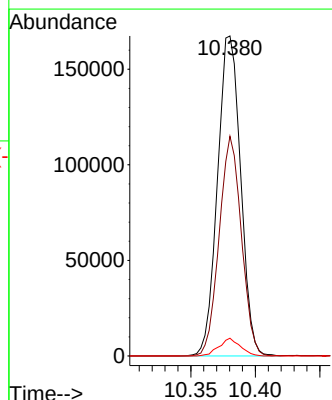
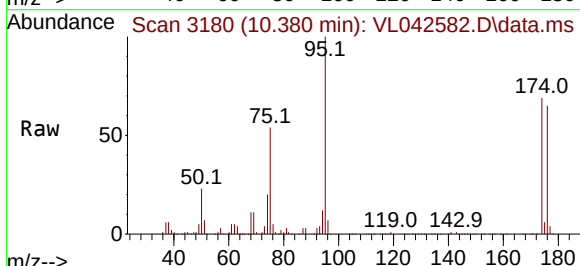
Tgt Ion: 95 Resp: 208325

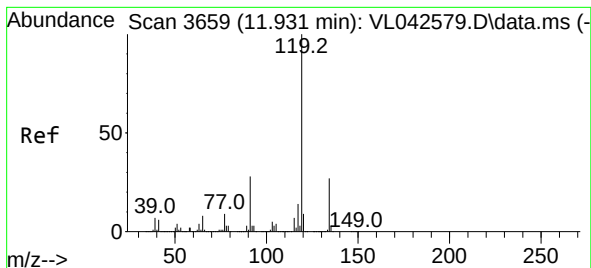
Ion Ratio Lower Upper

95 100

174 66.0 53.1 79.7

175 5.1 4.2 6.2





#69

p-Isopropyltoluene

Concen: 0.533 ppbv

RT: 11.931 min Scan# 30931

Delta R.T. 0.000 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

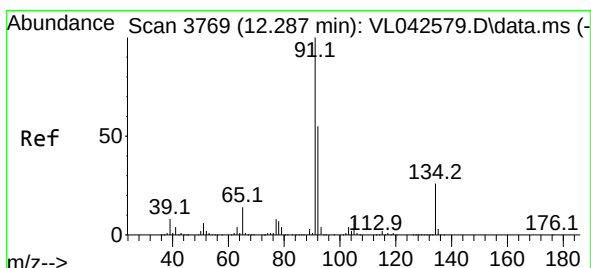
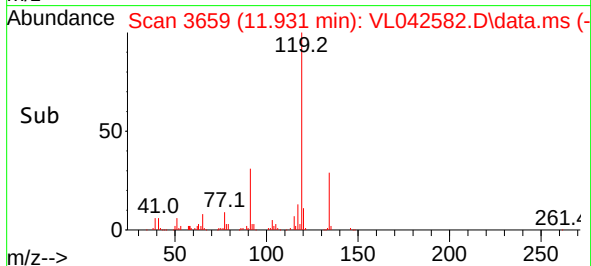
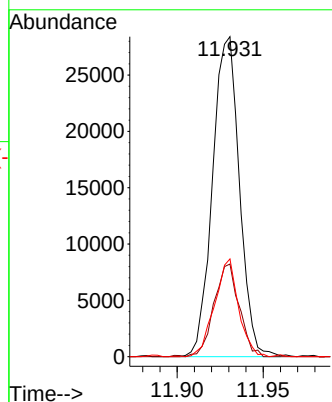
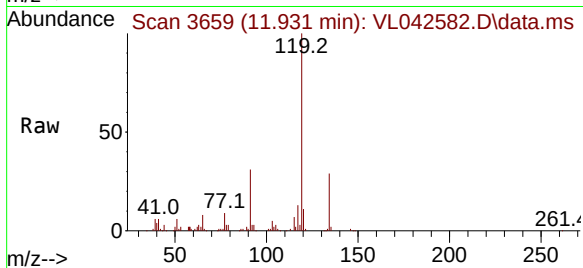
Tgt Ion:119 Resp: 30931

Ion Ratio Lower Upper

119 100

134 27.1 21.1 31.7

91 27.5 21.9 32.9



#70

n-Butylbenzene

Concen: 0.509 ppbv

RT: 12.284 min Scan# 3768

Delta R.T. -0.003 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

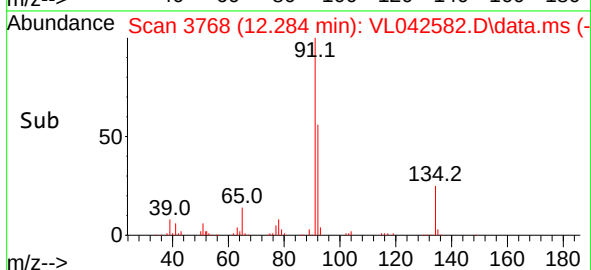
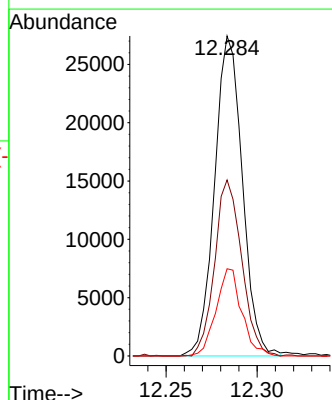
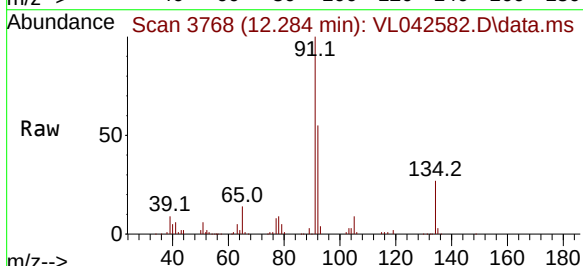
Tgt Ion: 91 Resp: 29130

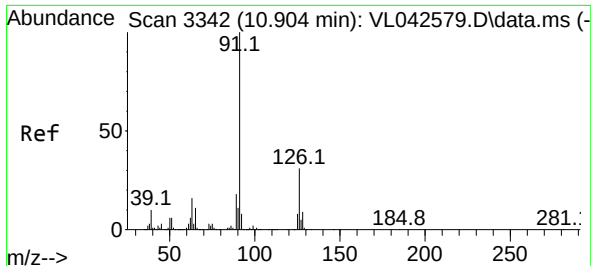
Ion Ratio Lower Upper

91 100

92 53.7 44.4 66.6

134 25.1 20.1 30.1

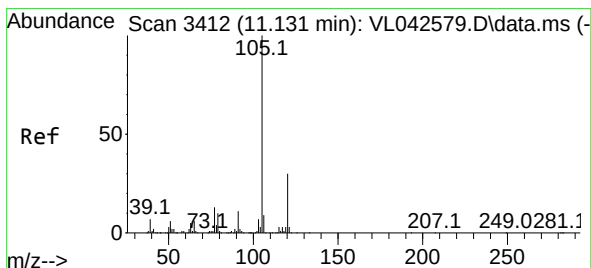
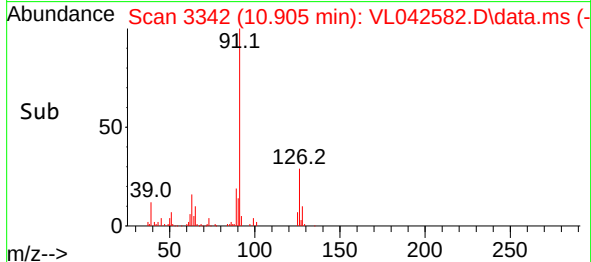
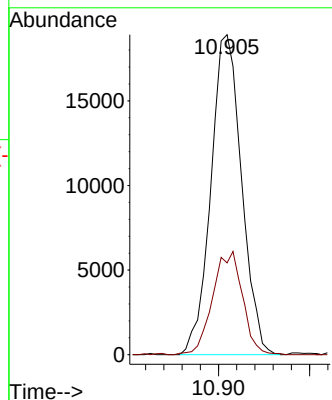
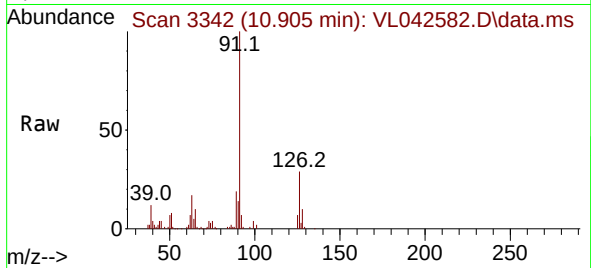




#71
2-Chlorotoluene
Concen: 0.534 ppbv
RT: 10.905 min Scan# 311
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

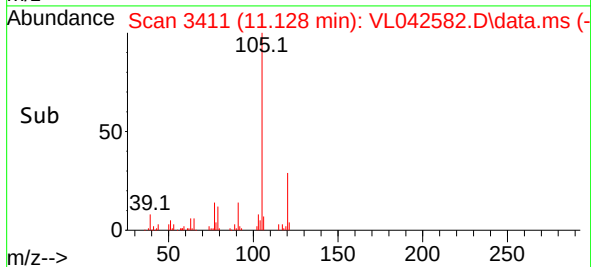
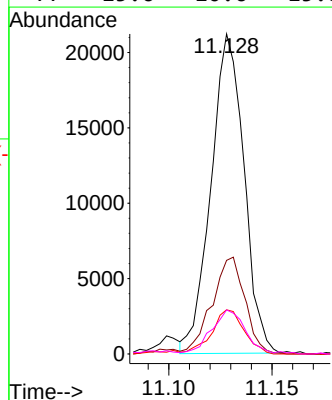
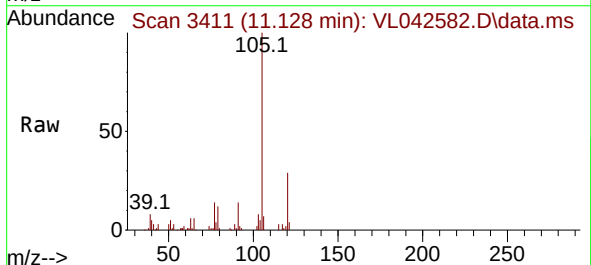
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

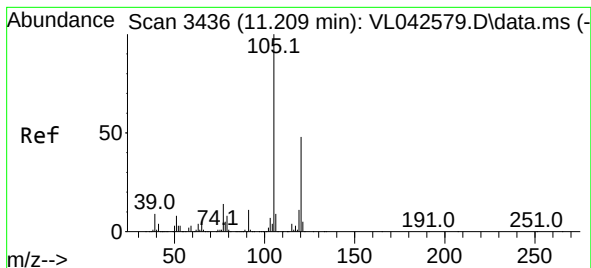
Tgt Ion: 91 Resp: 22135
Ion Ratio Lower Upper
91 100
126 31.5 12.6 50.4



#72
4-Ethyltoluene
Concen: 0.513 ppbv
RT: 11.128 min Scan# 3411
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion: 105 Resp: 23521
Ion Ratio Lower Upper
105 100
120 31.5 24.6 36.8
91 14.3 9.6 14.4
77 15.6 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 0.524 ppbv

RT: 11.206 min Scan# 3436

Delta R.T. -0.003 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

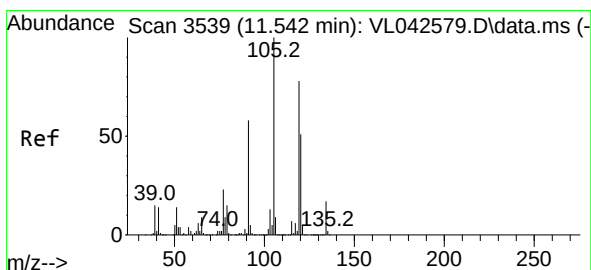
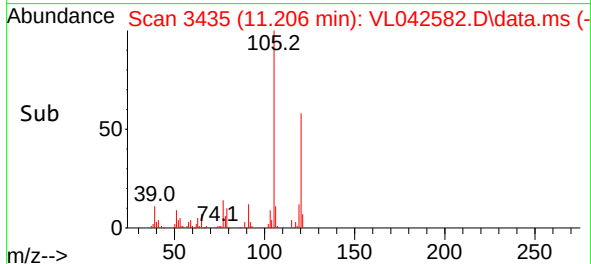
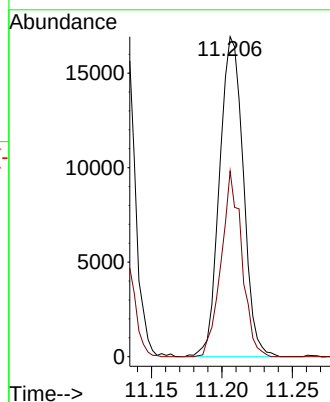
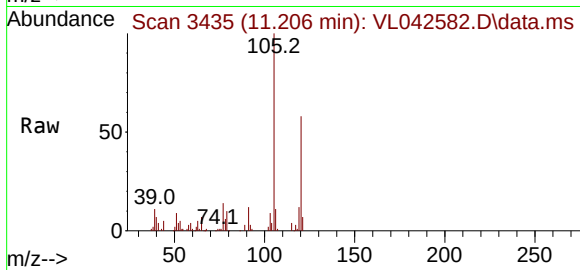
VSTDIC0.5

Tgt Ion:105 Resp: 19891

Ion Ratio Lower Upper

105 100

120 58.0 38.8 58.2



#74

1,2,4-Trimethylbenzene

Concen: 0.538 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. -0.006 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Tgt Ion:105 Resp: 22635

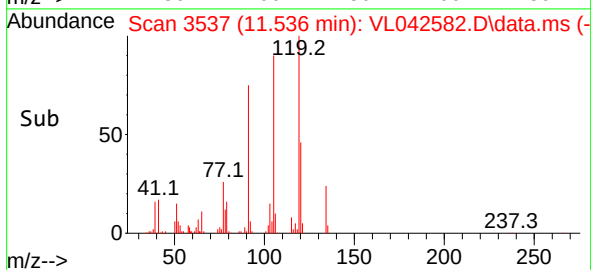
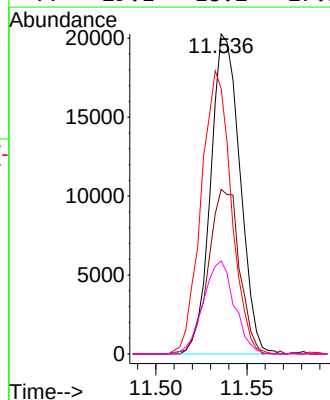
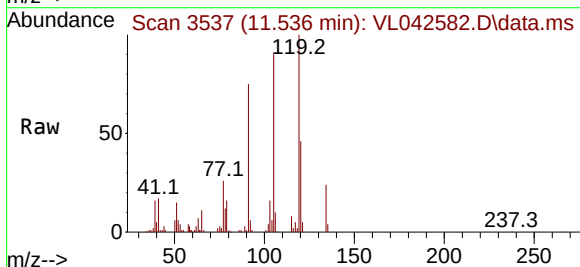
Ion Ratio Lower Upper

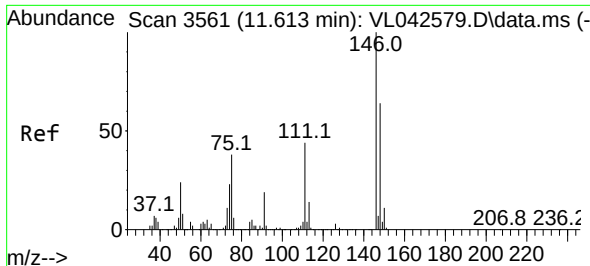
105 100

120 50.6 40.8 61.2

91 83.0 46.8 70.2#

77 29.1 18.2 27.2#

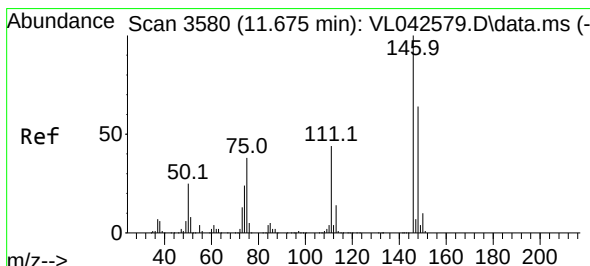
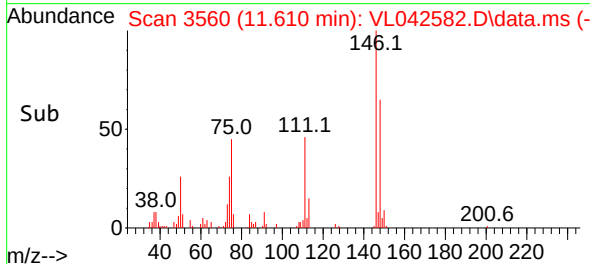
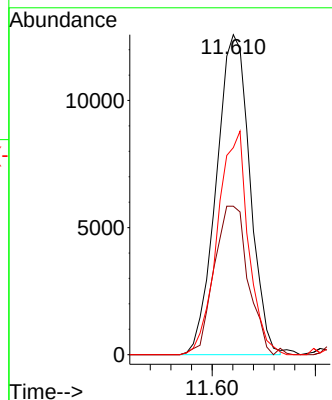
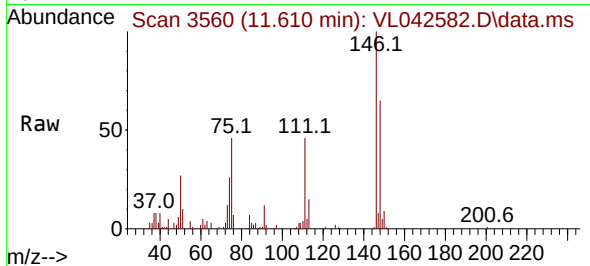




#75
1,3-Dichlorobenzene
Concen: 0.538 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

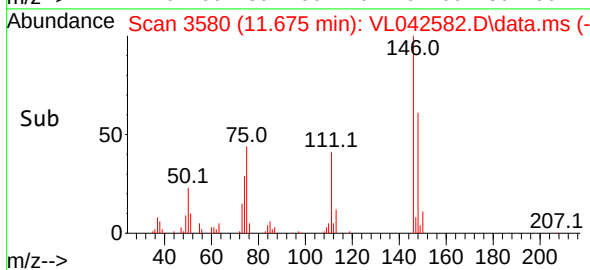
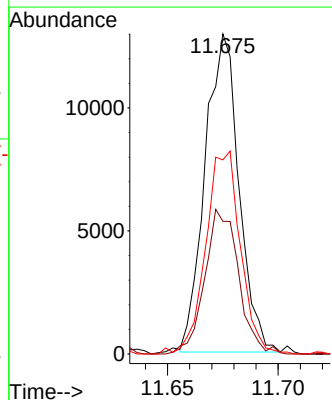
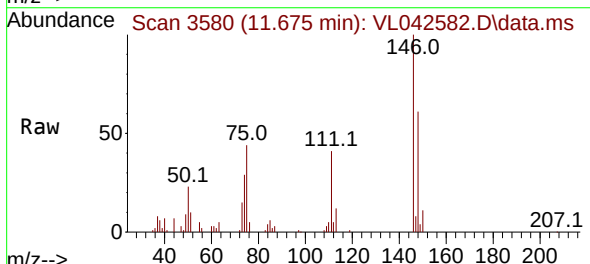
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

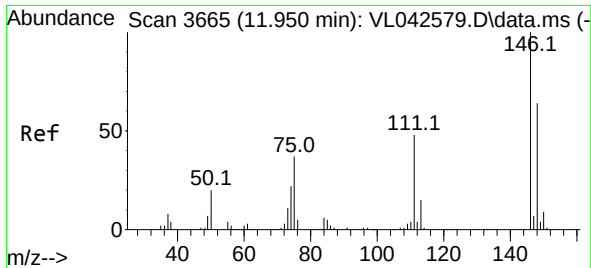
Tgt Ion:146 Resp: 14232
Ion Ratio Lower Upper
146 100
111 47.3 22.4 67.3
148 64.2 32.0 96.2



#76
1,4-Dichlorobenzene
Concen: 0.522 ppbv
RT: 11.675 min Scan# 3580
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:146 Resp: 13773
Ion Ratio Lower Upper
146 100
111 45.3 21.6 64.8
148 65.5 32.1 96.5

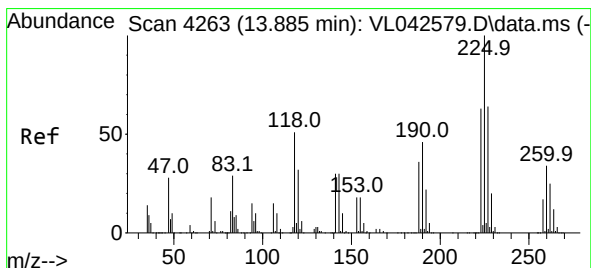
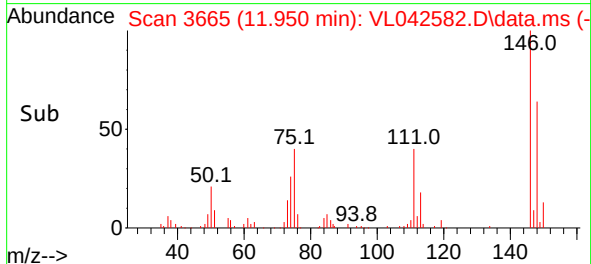
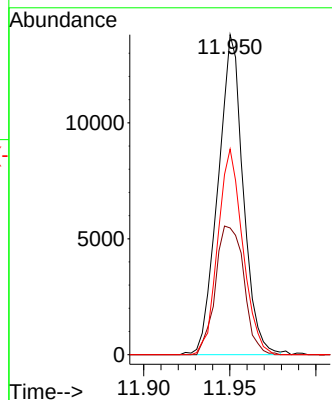
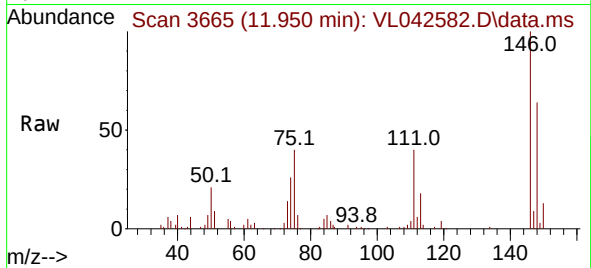




#77
1,2-Dichlorobenzene
Concen: 0.548 ppbv
RT: 11.950 min Scan# 3665
Delta R.T. 0.000 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

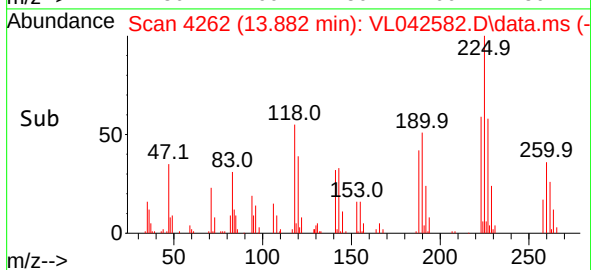
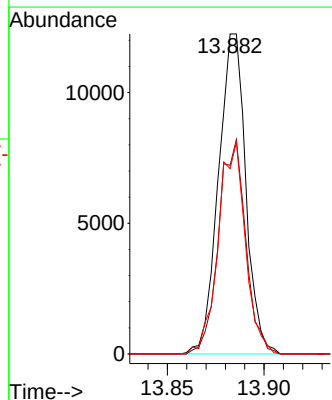
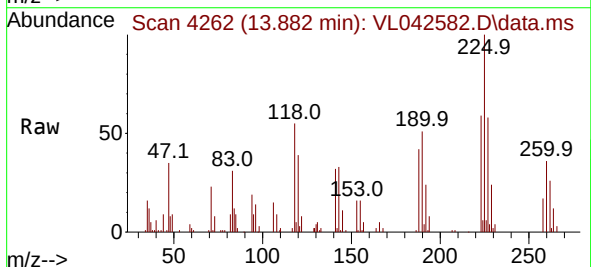
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

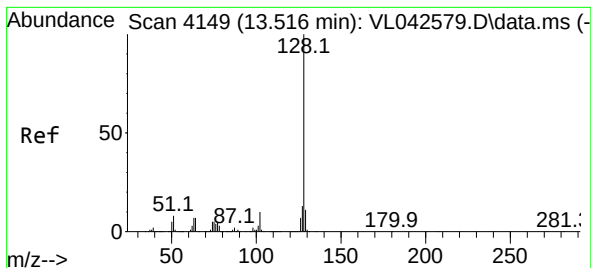
Tgt Ion:146 Resp: 14062
Ion Ratio Lower Upper
146 100
111 45.2 23.1 69.3
148 63.5 32.1 96.3



#78
Hexachloro-1,3-Butadiene
Concen: 0.567 ppbv
RT: 13.882 min Scan# 4262
Delta R.T. -0.003 min
Lab File: VL042582.D
Acq: 29 May 2025 12:47

Tgt Ion:225 Resp: 12036
Ion Ratio Lower Upper
225 100
223 66.2 50.2 75.4
227 65.3 51.1 76.7





#79

Naphthalene

Concen: 0.477 ppbv

RT: 13.517 min Scan# 4149

Delta R.T. 0.000 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

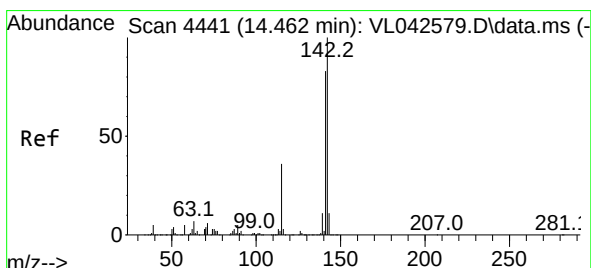
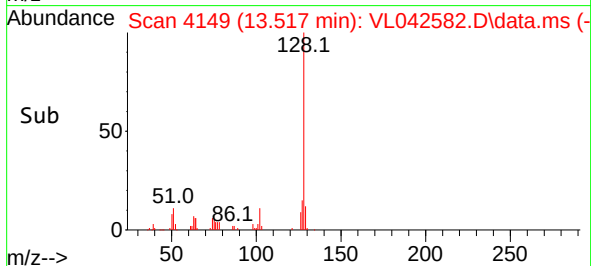
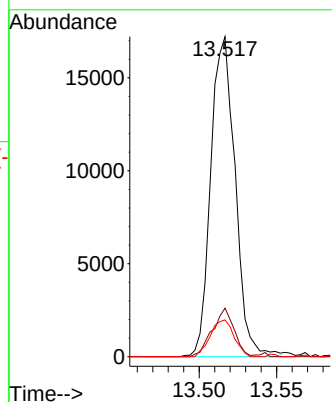
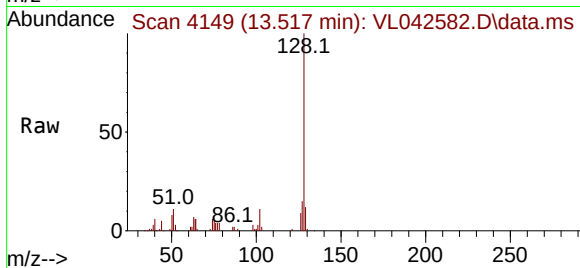
Tgt Ion:128 Resp: 18853

Ion Ratio Lower Upper

128 100

127 15.1 10.2 15.4

129 11.5 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 0.342 ppbv

RT: 14.462 min Scan# 4441

Delta R.T. 0.000 min

Lab File: VL042582.D

Acq: 29 May 2025 12:47

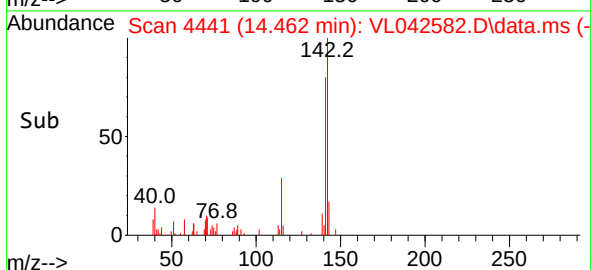
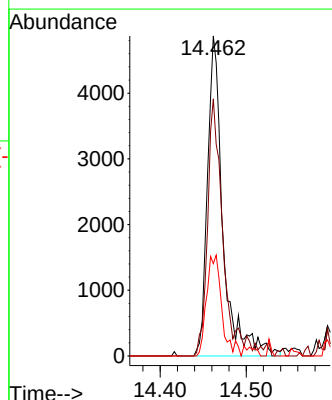
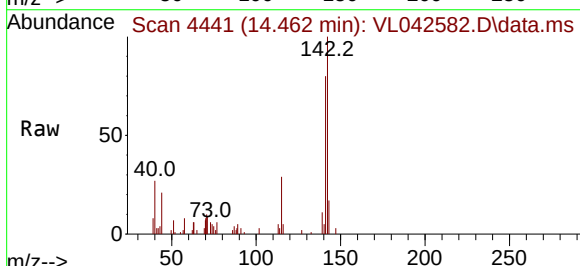
Tgt Ion:142 Resp: 6126

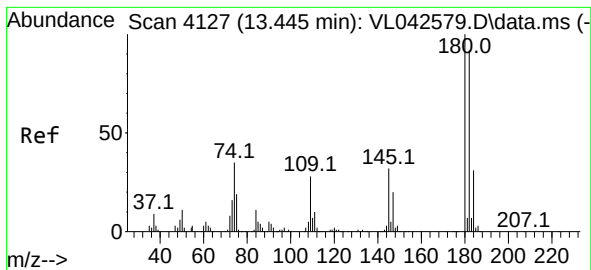
Ion Ratio Lower Upper

142 100

141 81.6 66.2 99.4

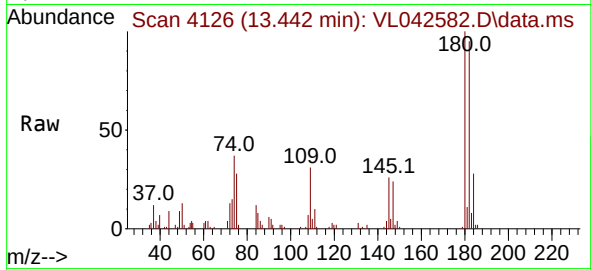
115 33.8 28.3 42.5





#81
 1,2,4-Trichlorobenzene
 Concen: 0.446 ppbv
 RT: 13.442 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042582.D
 Acq: 29 May 2025 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5



Tgt Ion:180 Resp: 9879
 Ion Ratio Lower Upper
 180 100
 182 93.7 75.0 112.4
 184 28.9 24.6 36.8

