

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042750.D
 Acq On : 23 Jul 2025 10:42
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Jul 24 04:58:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	151256	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	446836	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	408626	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	319353	9.869	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.700%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	11099	0.555	ppbv	98
3) Chlorodifluoromethane	1.476	51	14291	0.549	ppbv	97
4) Chloromethane	1.531	50	4428	0.547	ppbv	96
5) Vinyl Chloride	1.580	62	3902	0.488	ppbv	97
6) Bromomethane	1.667	94	1717	0.556	ppbv #	38
7) Chloroethane	1.703	64	2102	0.681	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	8971	0.545	ppbv	97
9) Propene	1.483	41	4695	0.496	ppbv #	77
10) Heptane	4.978	43	9190	0.361	ppbv #	66
11) Trichlorofluoromethane	1.878	101	11021	0.535	ppbv	90
12) 1,1,2-Trichlorotrifluo...	2.137	101	8430	0.538	ppbv	98
13) Ethanol	1.719	45	781	0.087	ppbv #	1
14) Bromoethene	1.781	108	2971	0.536	ppbv #	92
15) Acetone	1.836	43	14012	0.671	ppbv #	88
16) 1,3-Butadiene	1.609	39	5488	0.616	ppbv	100
17) tert-Butyl alcohol	2.040	59	10333	0.549	ppbv #	77
18) 1,1-Dichloroethene	2.033	96	4051	0.572	ppbv	77
19) Isopropyl Alcohol	1.888	45	6478	0.584	ppbv #	81
20) Methylene Chloride	2.059	84	4500	0.684	ppbv	82
21) Allyl Chloride	2.098	41	6829	0.531	ppbv #	80
22) trans-1,2-Dichloroethene	2.341	96	4186	0.551	ppbv	88
23) Vinyl Acetate	2.460	43	12423	0.491	ppbv #	76
24) 1,1-Dichloroethane	2.405	63	7962	0.509	ppbv #	91
25) Ethyl Acetate	2.836	43	23632	0.511	ppbv	97
26) Hexane	2.823	57	10019	0.494	ppbv	90
27) Carbon Disulfide	2.150	76	8670	0.499	ppbv #	1
28) Methyl tert-Butyl Ether	2.441	73	4937	0.515	ppbv #	79
29) Chloroform	2.849	83	17100	0.546	ppbv #	82
30) Cyclohexane	3.855	84	8596	0.500	ppbv	89
31) cis-1,2-Dichloroethene	2.723	61	11032	0.529	ppbv	99
32) 1,1,1-Trichloroethane	3.367	97	16132	0.494	ppbv	97
34) 2-Butanone	2.557	43	16299	0.515	ppbv	94
35) Carbon Tetrachloride	3.761	117	15207	0.458	ppbv	90
36) Benzene	3.651	78	21800	0.515	ppbv	96
37) 1,2-Dichloroethane	3.215	62	13299	0.521	ppbv #	95
38) Trichloroethene	4.548	130	9150	0.448	ppbv	89
39) 1,2-Dichloropropane	4.312	63	8291	0.530	ppbv #	90
40) 1,4-Dioxane	4.593	88	1378	0.187	ppbv #	21
41) Tetrahydrofuran	3.056	42	4590	0.289	ppbv #	42
42) Bromodichloromethane	4.487	83	10591	0.318	ppbv #	95
43) Methyl Methacrylate	4.881	69	5938	0.394	ppbv #	79
44) 2,2,4-Trimethylpentane	4.639	57	33853	0.490	ppbv	93
45) t-1,3-Dichloropropene	6.412	75	5781	0.342	ppbv	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

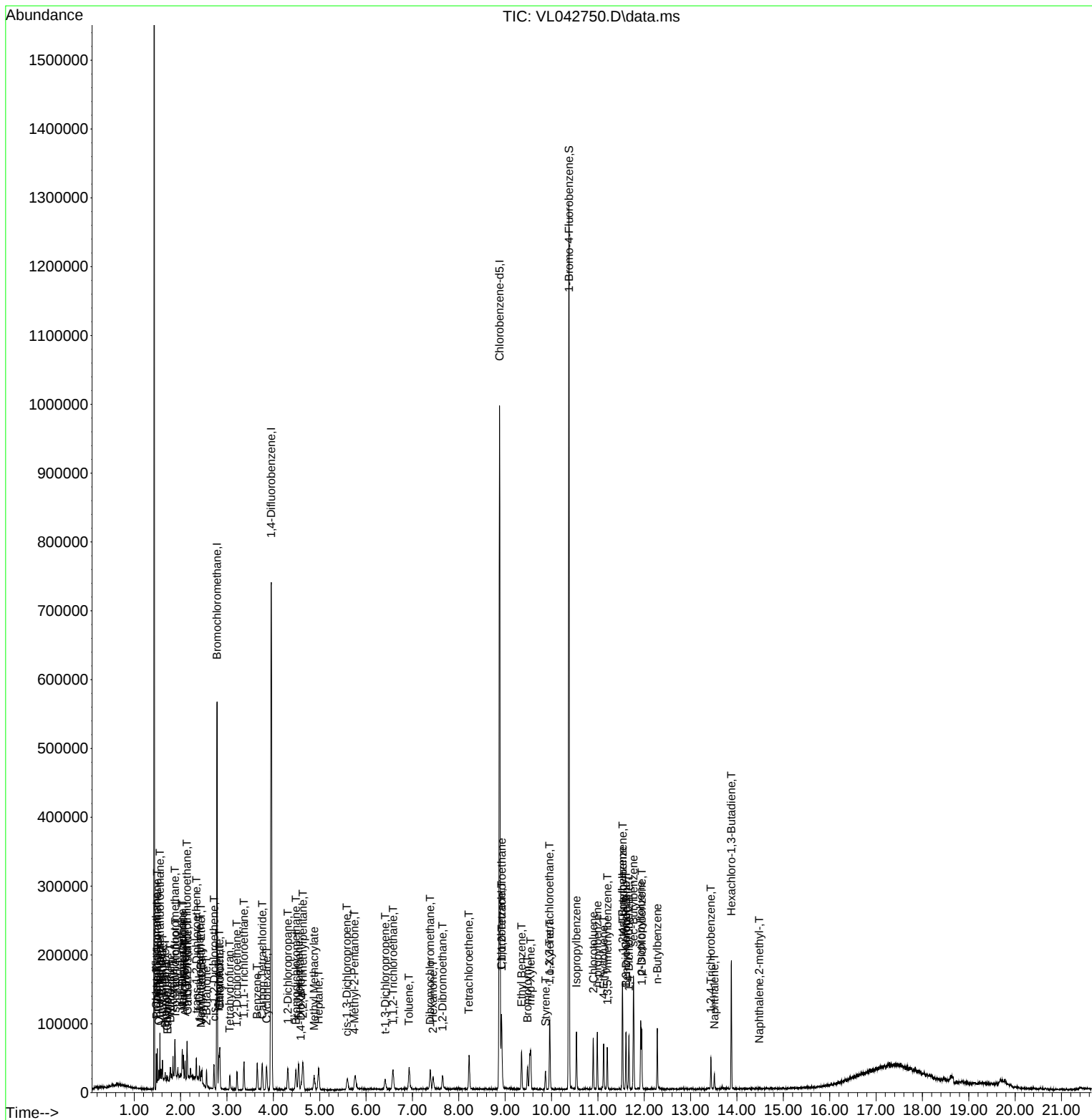
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 ClientSampleId :
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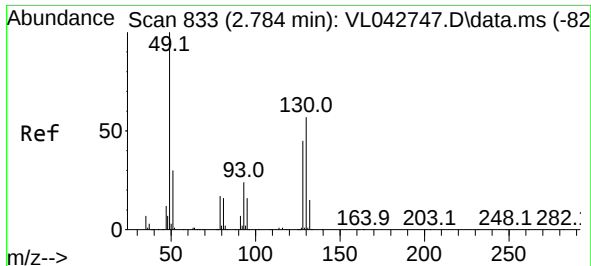
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 04:55:41 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	3465	0.162	ppbv	90
47) 1,1,2-Trichloroethane	6.584	97	4878	0.293	ppbv #	88
48) Dibromochloromethane	7.383	129	8515	0.322	ppbv #	49
49) Bromoform	9.481	173	10801	0.468	ppbv	97
50) 4-Methyl-2-Pentanone	5.752	43	5736	0.142	ppbv #	40
51) 2-Hexanone	7.442	43	6572	0.213	ppbv #	30
52) Tetrachloroethene	8.218	164	8359	0.475	ppbv #	81
53) Toluene	6.924	91	21324	0.469	ppbv	95
54) 1,2-Dibromoethane	7.649	107	6536	0.277	ppbv	82
56) 1,1,1,2-Tetrachloroethane	8.924	131	11191	0.527	ppbv #	1
57) Chlorobenzene	8.921	112	20828	0.527	ppbv #	84
58) Ethyl Benzene	9.354	91	29134	0.451	ppbv	96
59) m/p-Xylene	9.549	91	17145	0.332	ppbv #	1
60) o-Xylene	9.963	91	23603	0.458	ppbv	100
61) Styrene	9.872	104	9195	0.424	ppbv	97
62) Isopropylbenzene	10.539	105	35189	0.463	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.956	83	15544	0.463	ppbv	99
64) n-propylbenzene	10.989	120	8924	0.450	ppbv	99
65) tert-Butylbenzene	11.529	119	30560	0.453	ppbv	95
66) Benzyl Chloride	11.607	91	845	0.152	ppbv #	28
67) sec-Butylbenzene	11.766	105	44169	0.460	ppbv	100
69) p-Isopropyltoluene	11.924	119	33104	0.423	ppbv	99
70) n-Butylbenzene	12.280	91	29048	0.384	ppbv	99
71) 2-Chlorotoluene	10.902	91	27184	0.466	ppbv	97
72) 4-Ethyltoluene	11.125	105	26395	0.429	ppbv #	95
73) 1,3,5-Trimethylbenzene	11.206	105	22392	0.442	ppbv #	85
74) 1,2,4-Trimethylbenzene	11.536	105	22772	0.412	ppbv	96
75) 1,3-Dichlorobenzene	11.607	146	18680	0.482	ppbv	96
76) 1,4-Dichlorobenzene	11.669	146	17616	0.465	ppbv	97
77) 1,2-Dichlorobenzene	11.947	146	18799	0.494	ppbv	98
78) Hexachloro-1,3-Butadiene	13.879	225	18330	0.532	ppbv	99
79) Naphthalene	13.514	128	9916	0.592	ppbv	97
80) Naphthalene,2-methyl-	14.481	142	731	1.148	ppbv #	61
81) 1,2,4-Trichlorobenzene	13.436	180	7453	0.645	ppbv	95

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

Quant Time: Jul 24 04:58:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
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Response via : Initial Calibration

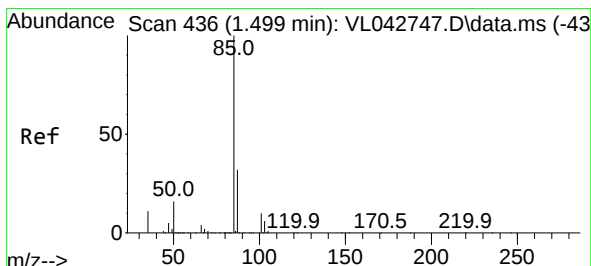
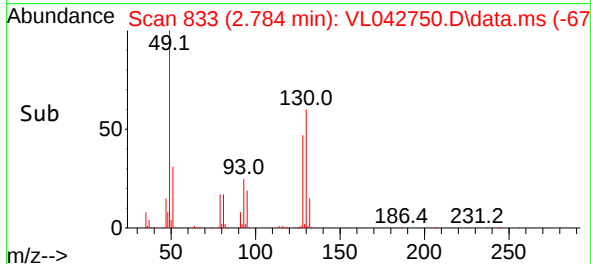
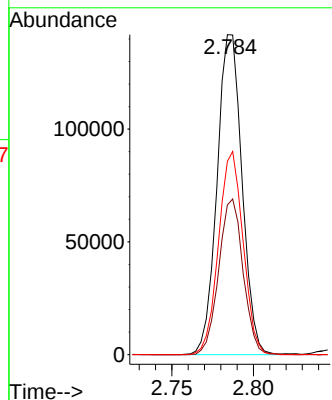
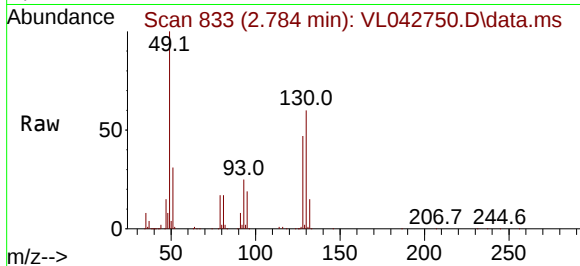




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 833
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

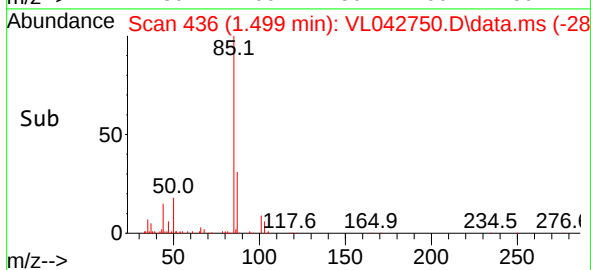
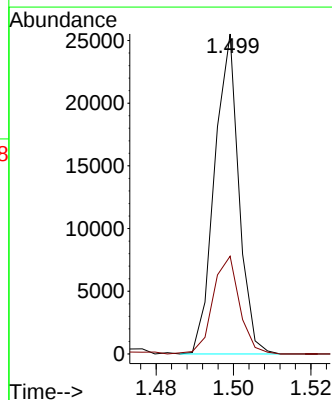
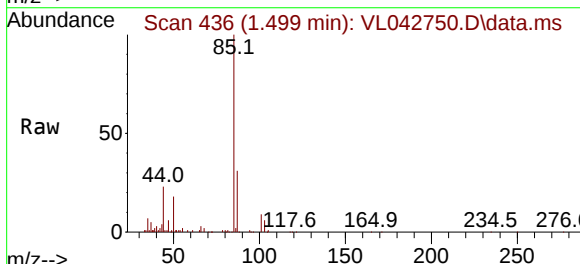
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

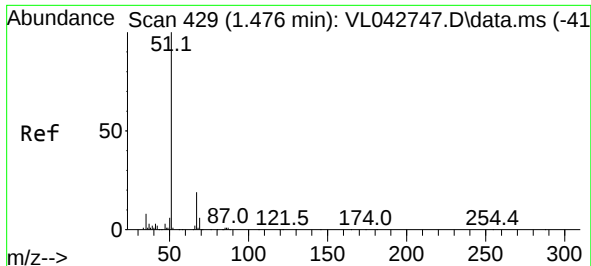
Tgt Ion: 49 Resp: 151256
 Ion Ratio Lower Upper
 49 100
 128 47.4 23.6 71.0
 130 62.2 30.3 90.8



#2
 Dichlorodifluoromethane
 Concen: 0.555 ppbv
 RT: 1.499 min Scan# 436
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 11099
 Ion Ratio Lower Upper
 85 100
 87 30.6 25.4 38.2

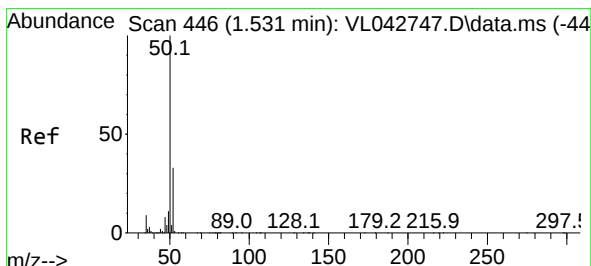
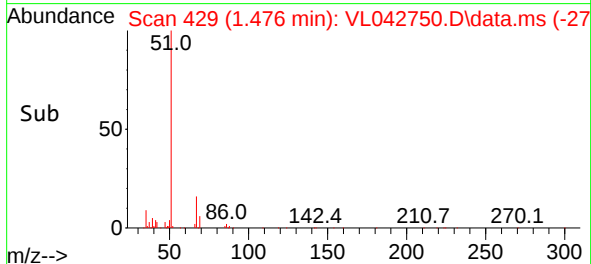
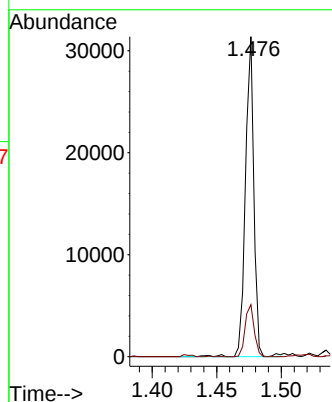
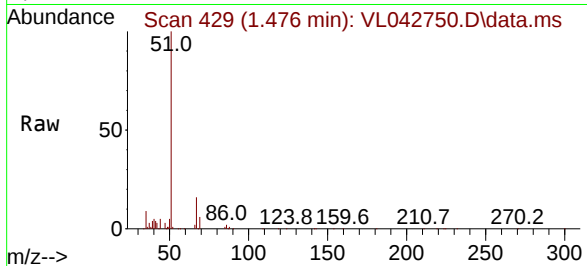




#3
Chlorodifluoromethane
Concen: 0.549 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

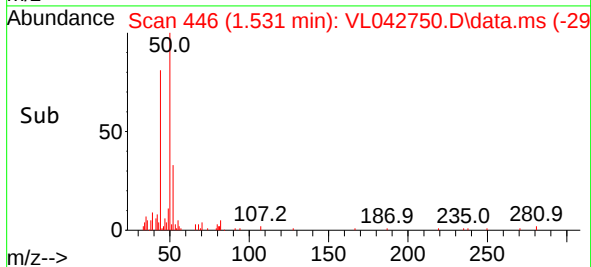
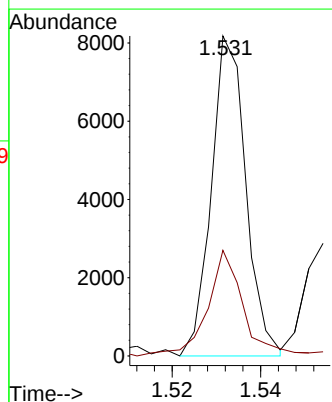
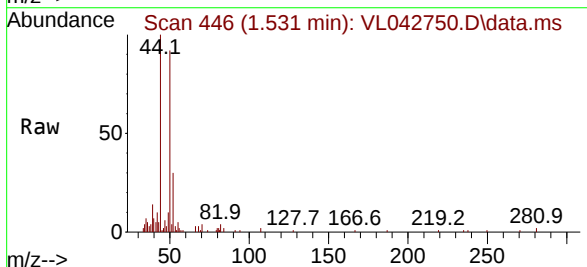
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.5

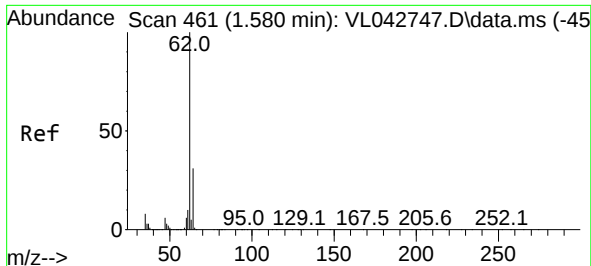
Tgt Ion: 51 Resp: 14291
Ion Ratio Lower Upper
51 100
67 17.4 15.0 22.6



#4
Chloromethane
Concen: 0.547 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 50 Resp: 4428
Ion Ratio Lower Upper
50 100
52 30.8 26.6 40.0

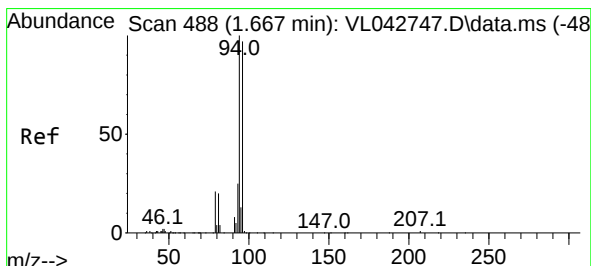
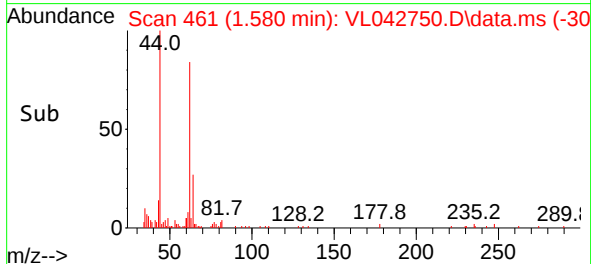
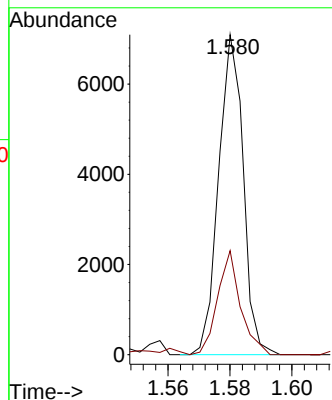
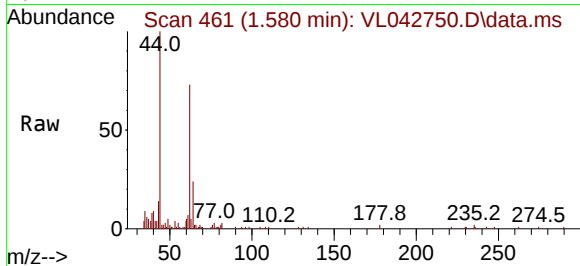




#5
 Vinyl Chloride
 Concen: 0.488 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

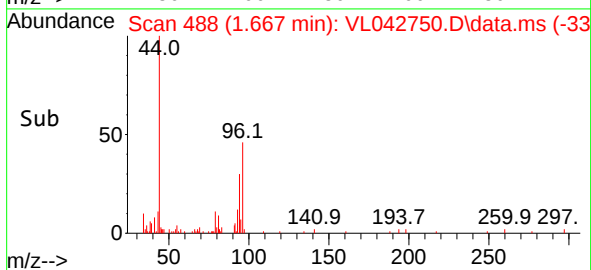
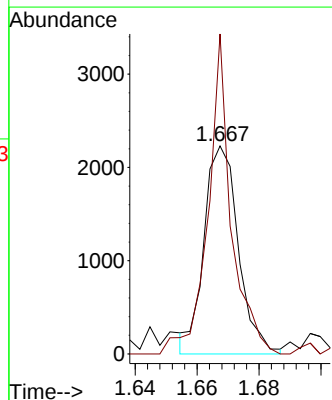
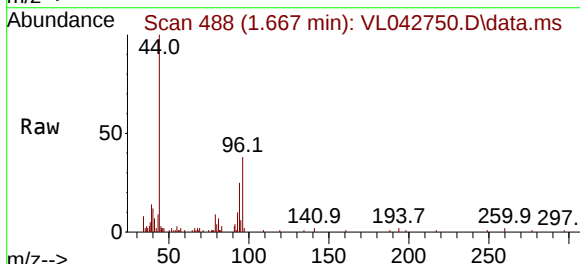
Instrument :
 MSVOA_1
 ClientSampleId :
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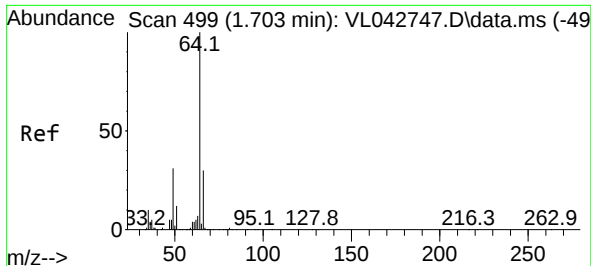
Tgt Ion: 62 Resp: 3902
 Ion Ratio Lower Upper
 62 100
 64 32.5 24.5 36.7



#6
 Bromomethane
 Concen: 0.556 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Tgt Ion: 94 Resp: 1717
 Ion Ratio Lower Upper
 94 100
 96 157.5 77.6 116.4#

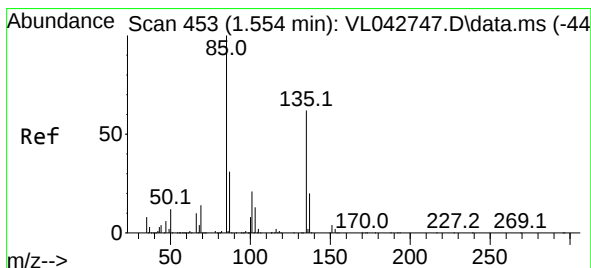
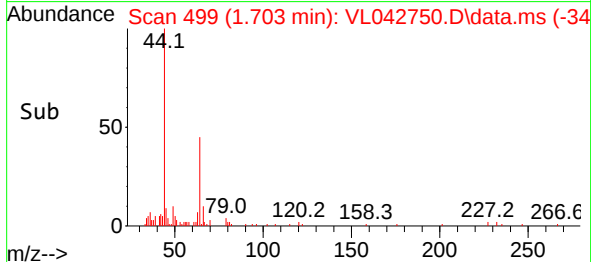
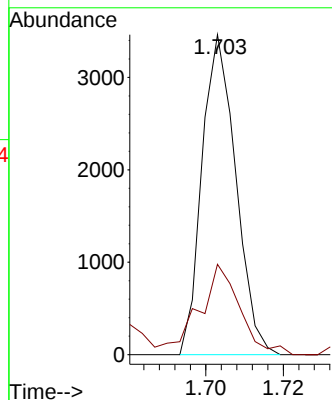
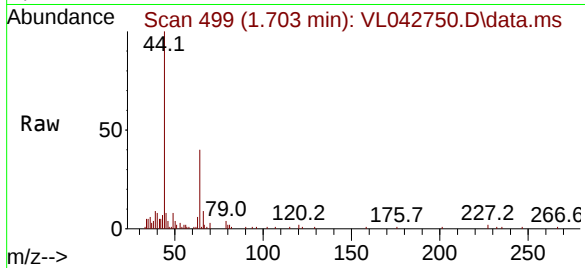




#7
Chloroethane
Concen: 0.681 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

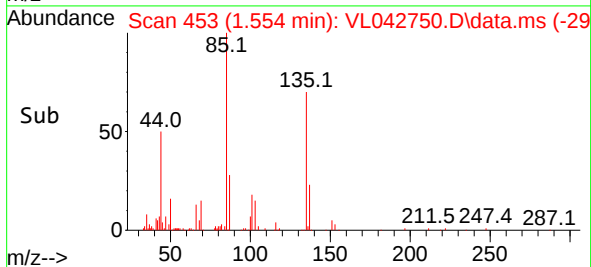
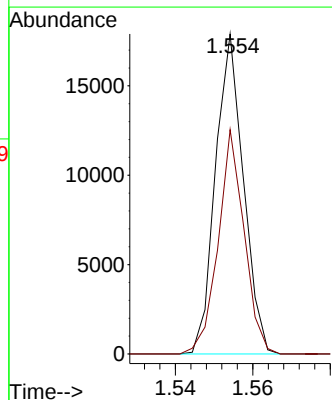
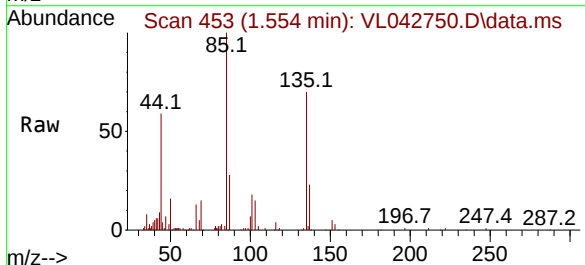
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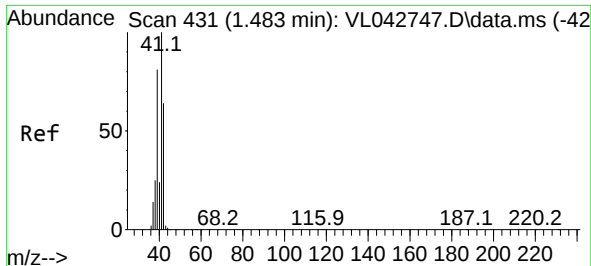
Tgt Ion: 64 Resp: 2102
Ion Ratio Lower Upper
64 100
66 28.3 24.1 36.1



#8
Dichlorotetrafluoroethane
Concen: 0.545 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 85 Resp: 8971
Ion Ratio Lower Upper
85 100
135 65.3 50.6 76.0





#9

Propene

Concen: 0.496 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

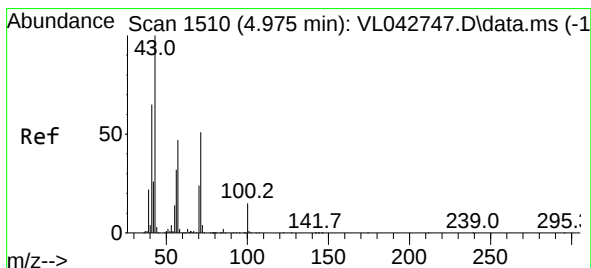
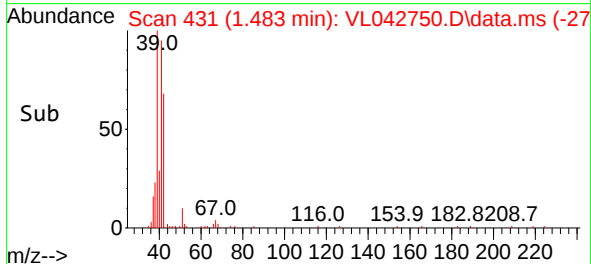
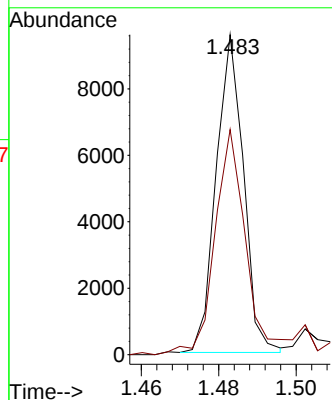
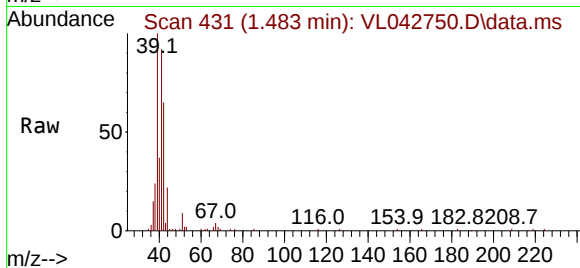
VSTDICC0.5

Tgt Ion: 41 Resp: 4695

Ion Ratio Lower Upper

41 100

42 84.9 53.2 79.8#



#10

Heptane

Concen: 0.361 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. 0.003 min

Lab File: VL042750.D

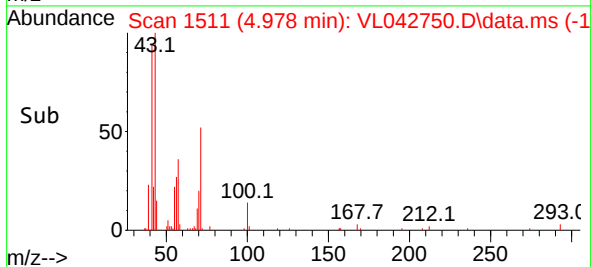
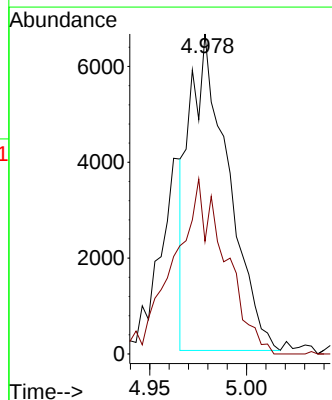
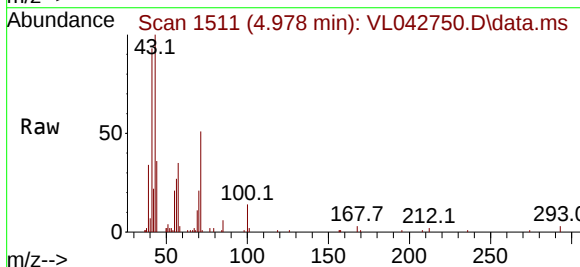
Acq: 23 Jul 2025 10:42

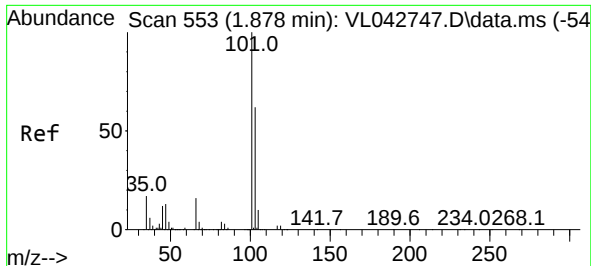
Tgt Ion: 43 Resp: 9190

Ion Ratio Lower Upper

43 100

57 73.4 39.9 59.9#

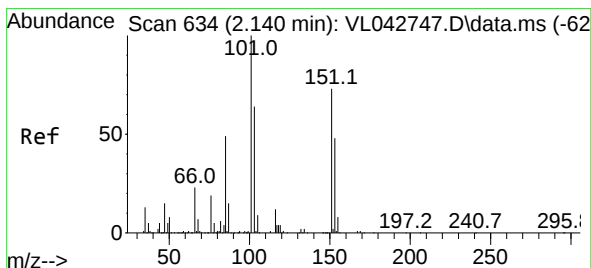
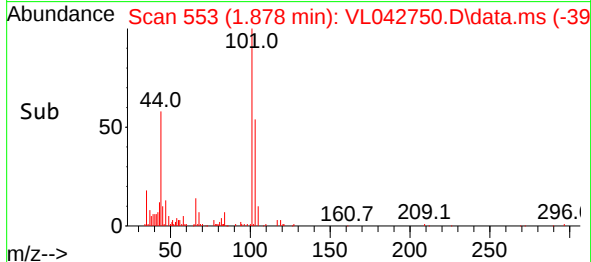
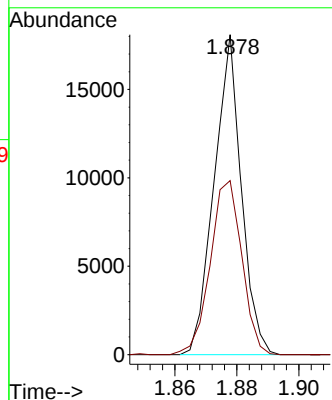
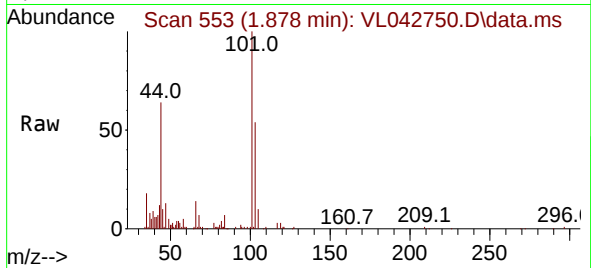




#11
 Trichlorofluoromethane
 Concen: 0.535 ppbv
 RT: 1.878 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

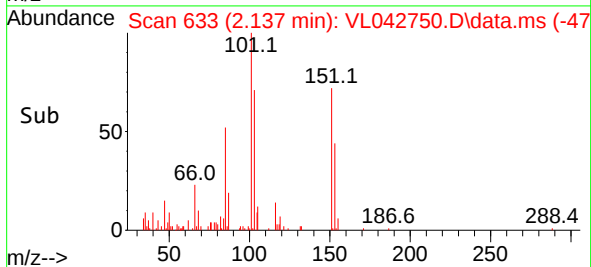
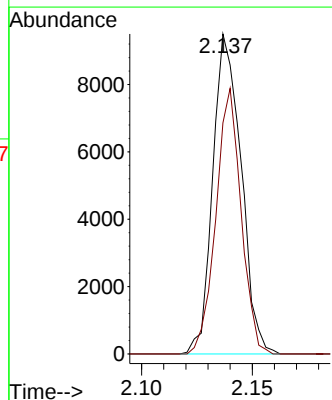
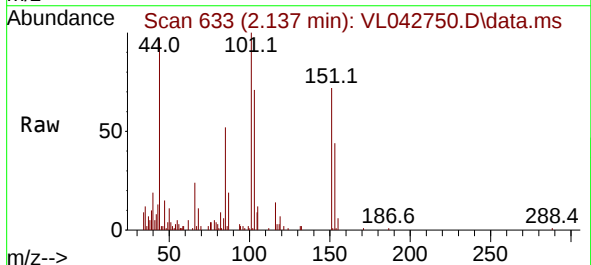
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

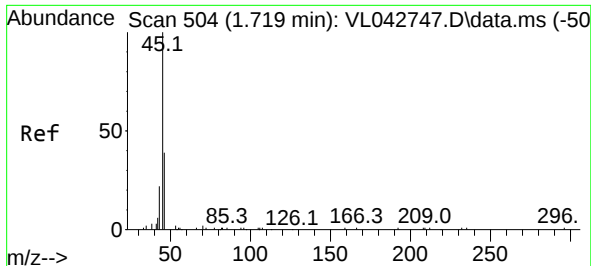
Tgt Ion:101 Resp: 11021
 Ion Ratio Lower Upper
 101 100
 103 54.4 49.6 74.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.538 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. -0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Tgt Ion:101 Resp: 8430
 Ion Ratio Lower Upper
 101 100
 151 74.0 60.5 90.7

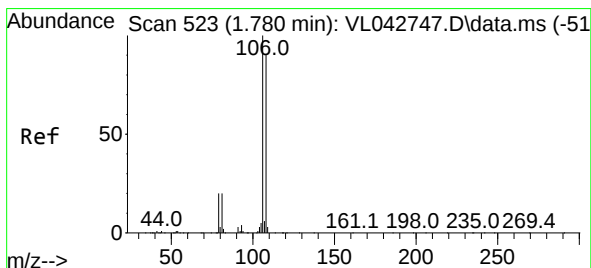
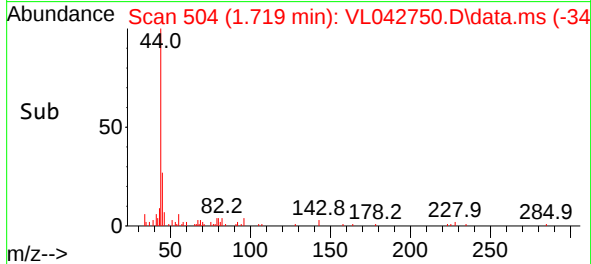
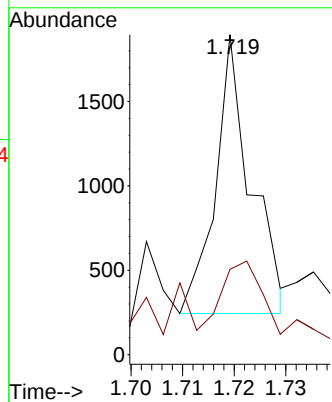
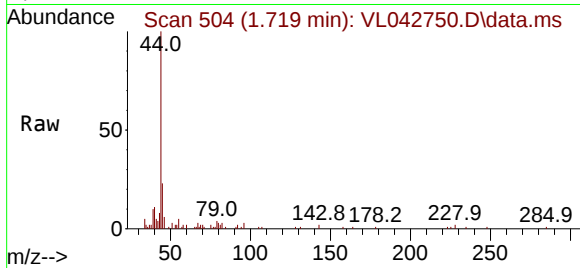




#13
Ethanol
Concen: 0.087 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

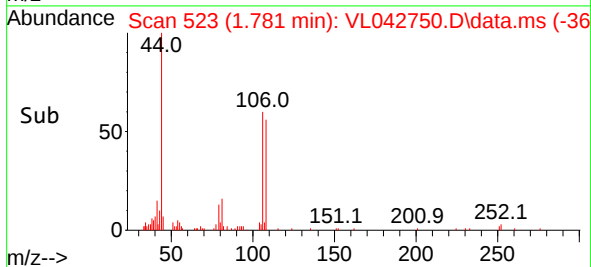
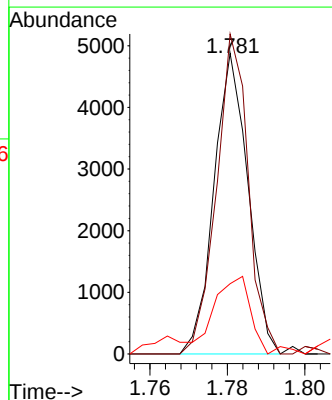
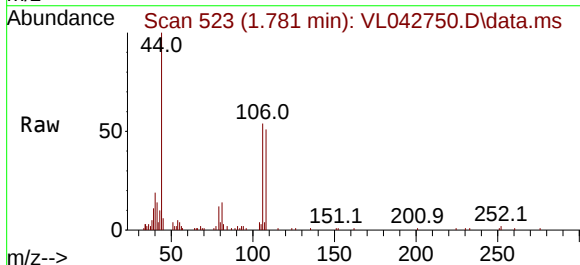
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

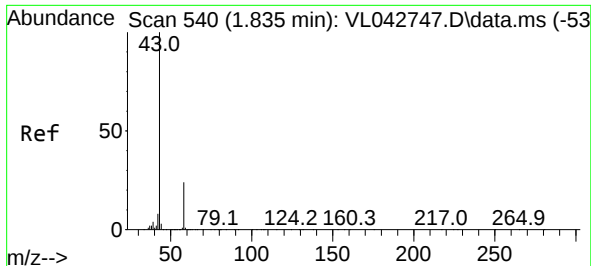
Tgt Ion: 45 Resp: 781
Ion Ratio Lower Upper
45 100
46 110.8 17.8 71.4#



#14
Bromoethene
Concen: 0.536 ppbv
RT: 1.781 min Scan# 523
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 108 Resp: 2971
Ion Ratio Lower Upper
108 100
106 102.0 84.7 127.1
79 35.4 17.4 26.2#

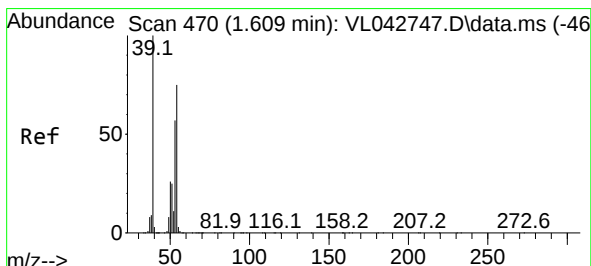
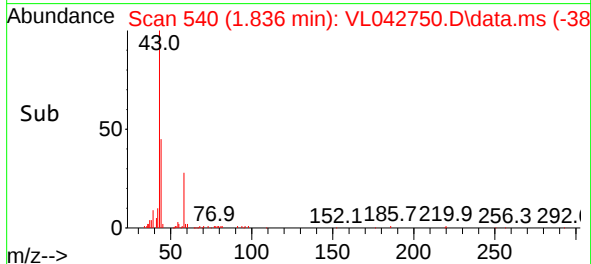
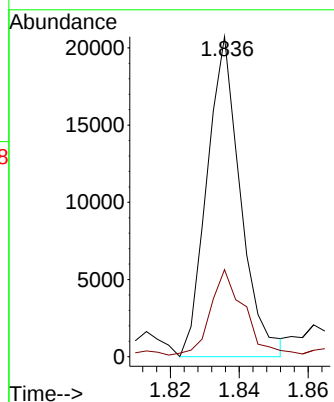
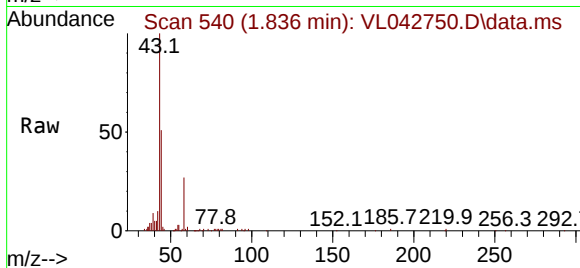




#15
Acetone
Concen: 0.671 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

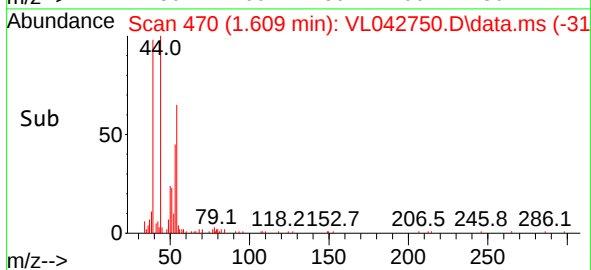
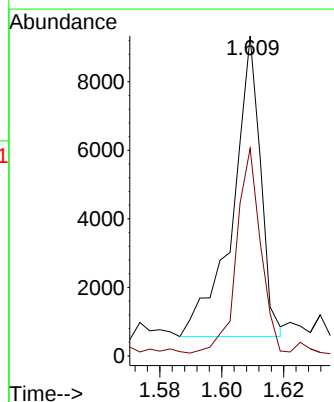
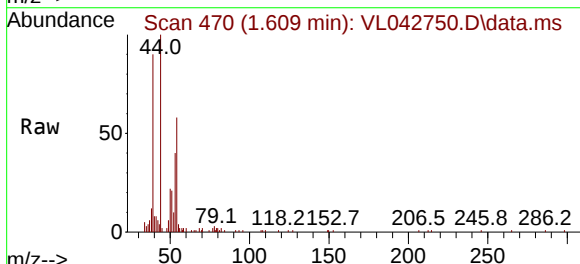
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

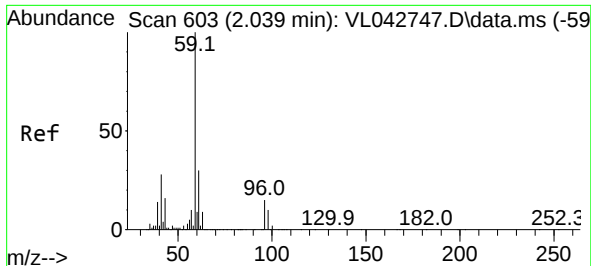
Tgt Ion: 43 Resp: 14012
Ion Ratio Lower Upper
43 100
58 30.8 19.8 29.8#



#16
1,3-Butadiene
Concen: 0.616 ppbv
RT: 1.609 min Scan# 470
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 39 Resp: 5488
Ion Ratio Lower Upper
39 100
54 67.8 54.5 81.7





#17

tert-Butyl alcohol

Concen: 0.549 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

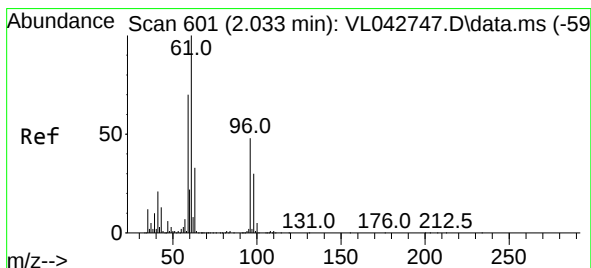
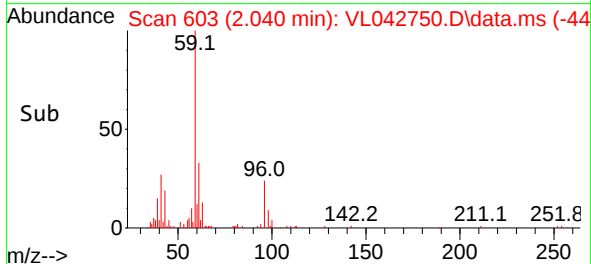
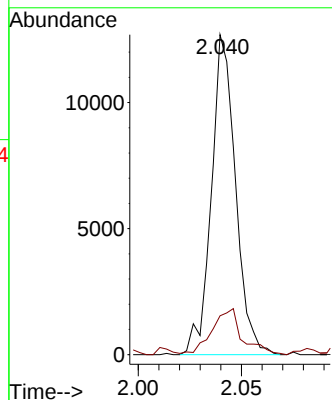
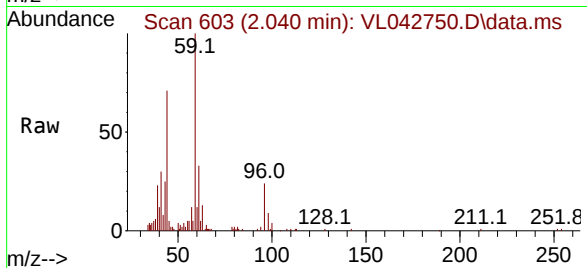
VSTDIC0.5

Tgt Ion: 59 Resp: 10333

Ion Ratio Lower Upper

59 100

57 19.1 8.3 12.5#



#18

1,1-Dichloroethene

Concen: 0.572 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

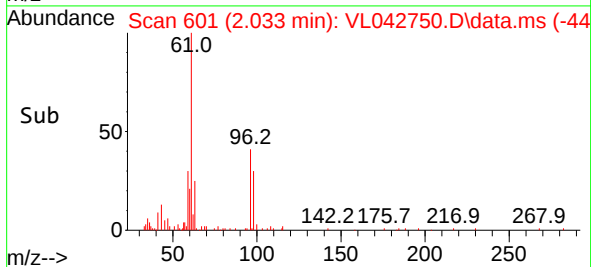
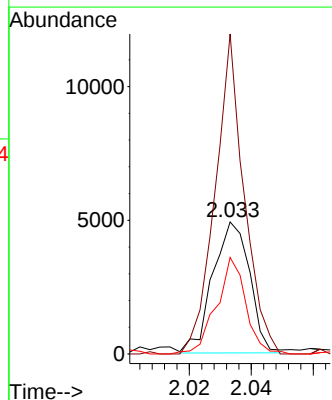
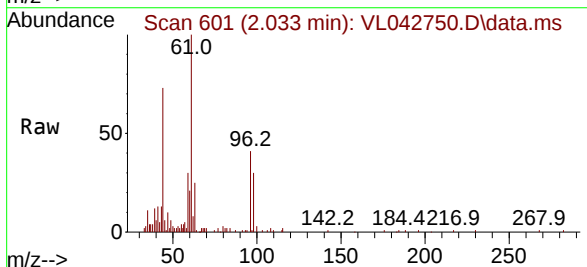
Tgt Ion: 96 Resp: 4051

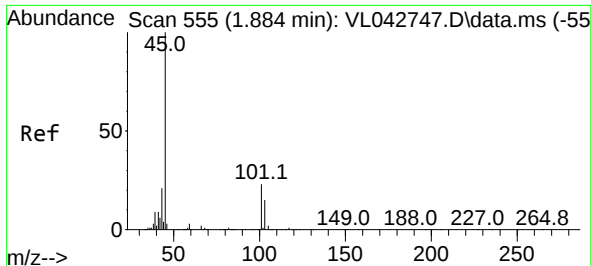
Ion Ratio Lower Upper

96 100

61 246.6 165.8 248.6

98 72.7 49.9 74.9

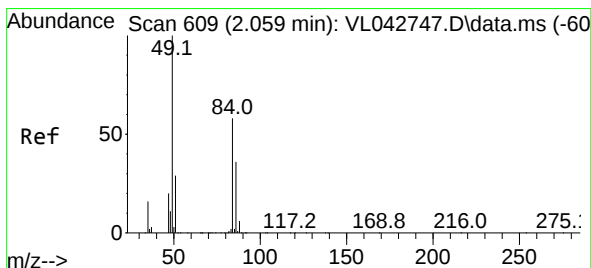
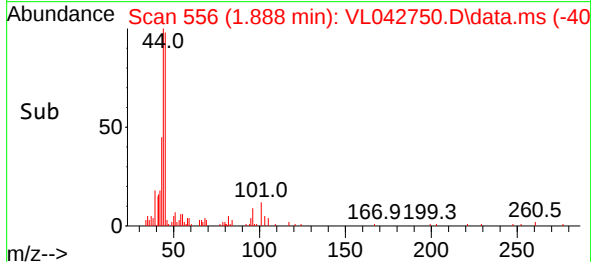
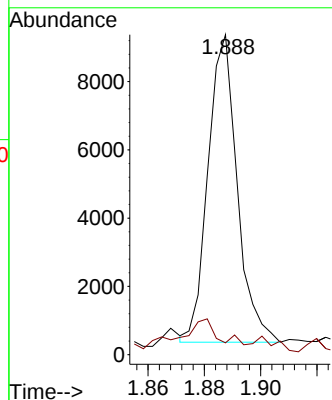
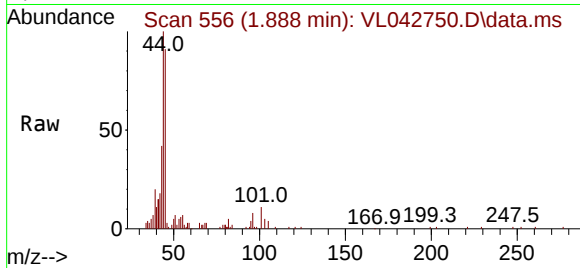




#19
Isopropyl Alcohol
Concen: 0.584 ppbv
RT: 1.888 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

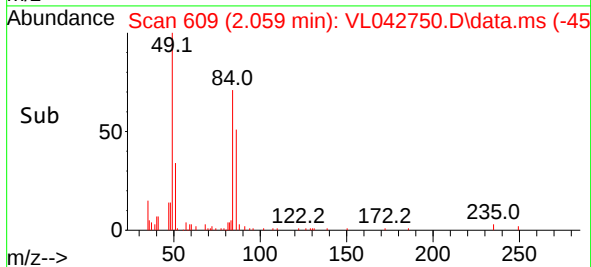
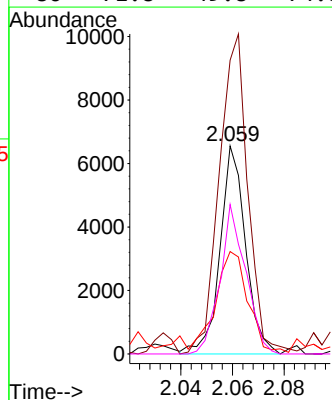
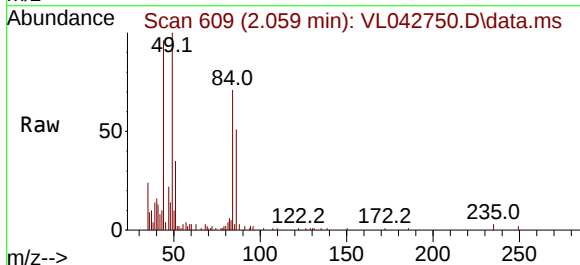
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

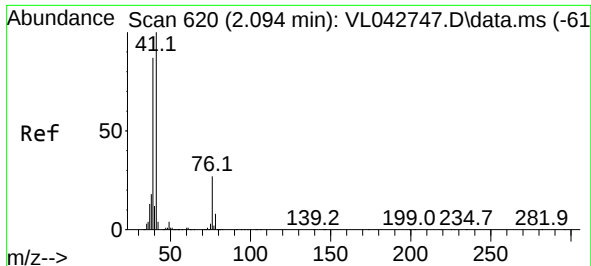
Tgt Ion: 45 Resp: 6478
Ion Ratio Lower Upper
45 100
58 25.9 30.0 45.0#



#20
Methylene Chloride
Concen: 0.684 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 84 Resp: 4500
Ion Ratio Lower Upper
84 100
49 141.2 138.6 208.0
51 46.8 40.6 61.0
86 71.8 49.8 74.8

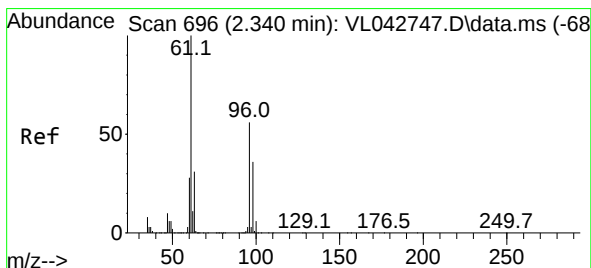
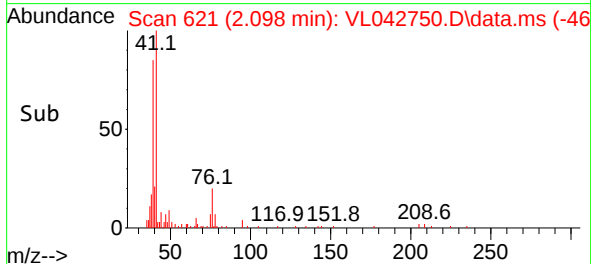
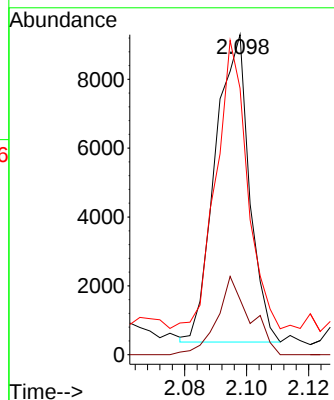
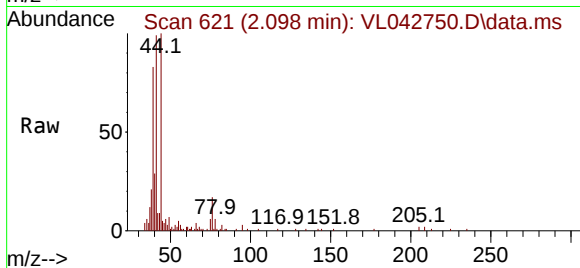




#21
 Allyl Chloride
 Concen: 0.531 ppbv
 RT: 2.098 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

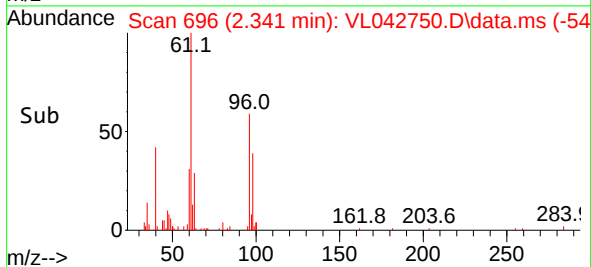
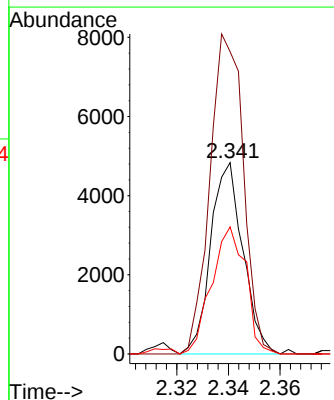
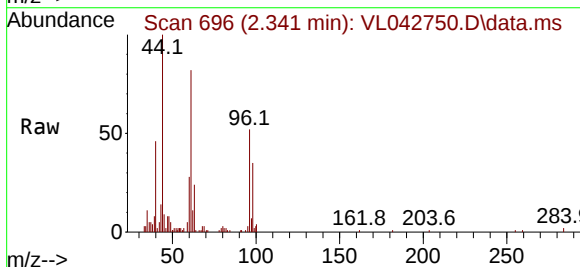
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

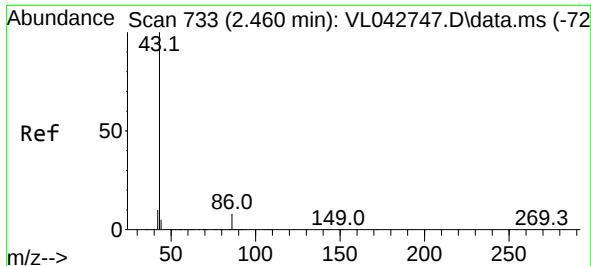
Tgt Ion: 41 Resp: 6829
 Ion Ratio Lower Upper
 41 100
 76 24.4 21.1 31.7
 39 108.8 68.3 102.5#



#22
 trans-1,2-Dichloroethene
 Concen: 0.551 ppbv
 RT: 2.341 min Scan# 696
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Tgt Ion: 96 Resp: 4186
 Ion Ratio Lower Upper
 96 100
 61 157.9 142.3 213.5
 98 66.4 50.6 76.0

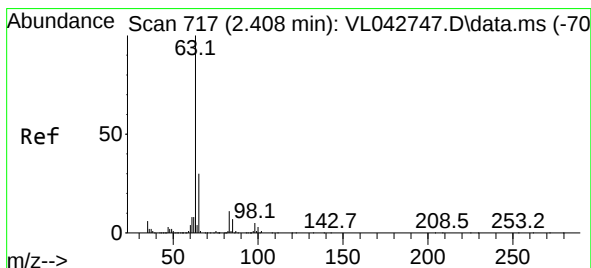
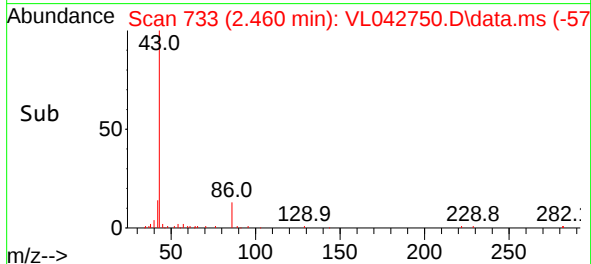
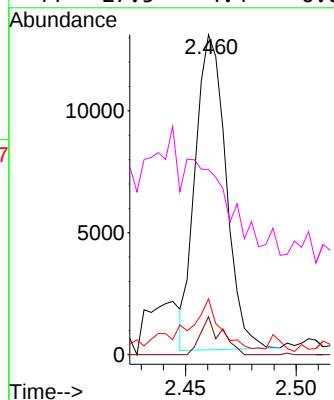
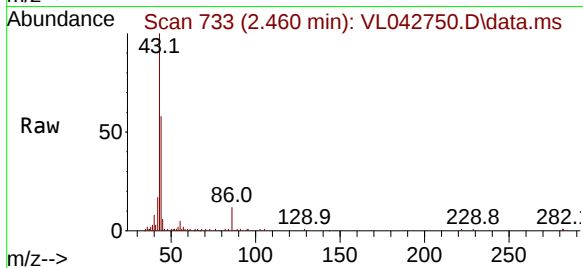




#23
 Vinyl Acetate
 Concen: 0.491 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

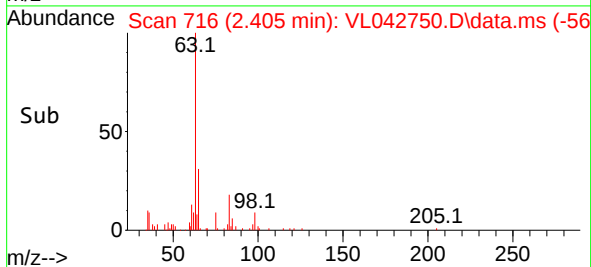
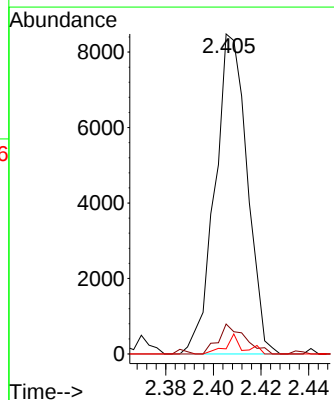
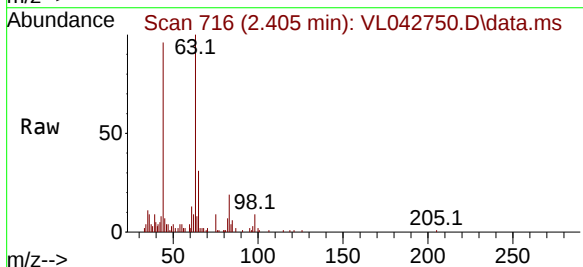
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

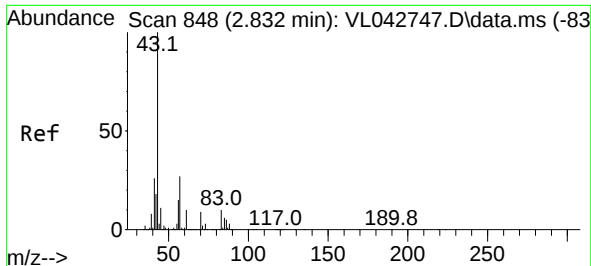
Tgt Ion:	43	Resp:	12423
Ion	Ratio	Lower	Upper
43	100		
86	12.1	6.1	9.1#
42	13.5	7.8	11.8#
44	27.5	4.4	6.6#



#24
 1,1-Dichloroethane
 Concen: 0.509 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Tgt Ion:	63	Resp:	7962
Ion	Ratio	Lower	Upper
63	100		
98	9.4	2.5	7.4#
100	2.8	1.6	4.8

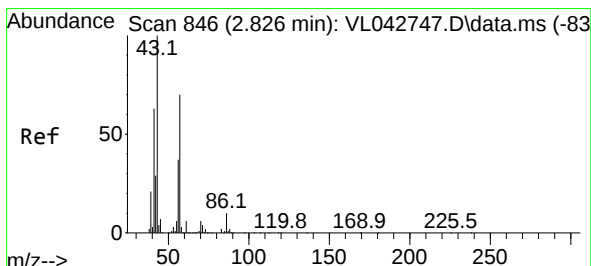
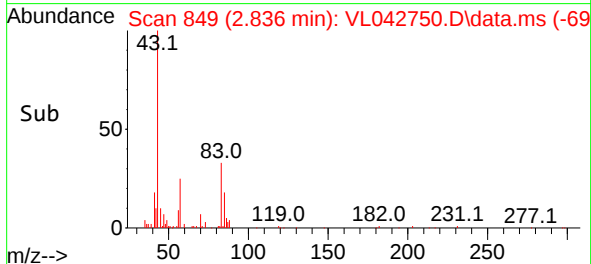
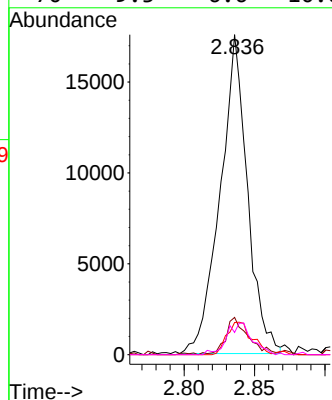
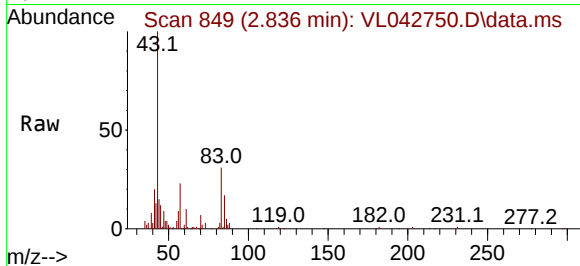




#25
Ethyl Acetate
Concen: 0.511 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

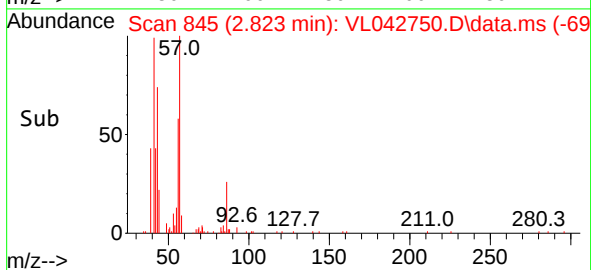
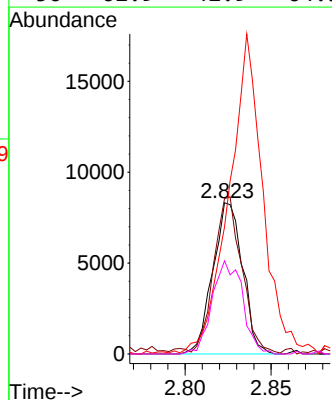
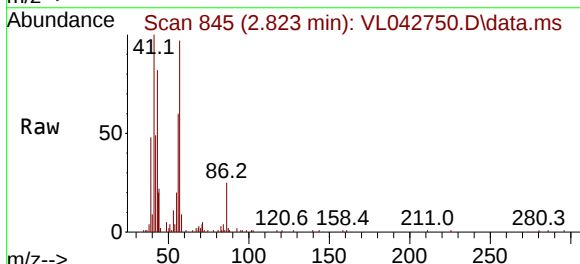
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

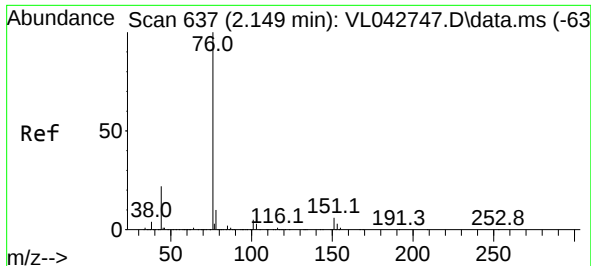
Tgt Ion: 43	Resp: 23632
Ion Ratio	Lower Upper
43	100
45	10.4 7.8 11.6
61	9.8 6.7 10.1
70	9.3 6.6 10.0



#26
Hexane
Concen: 0.494 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57	Resp: 10019
Ion Ratio	Lower Upper
57	100
41	107.1 75.4 113.2
43	244.9 185.0 277.6
56	62.9 42.9 64.3

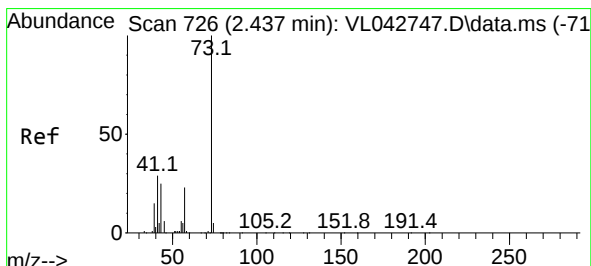
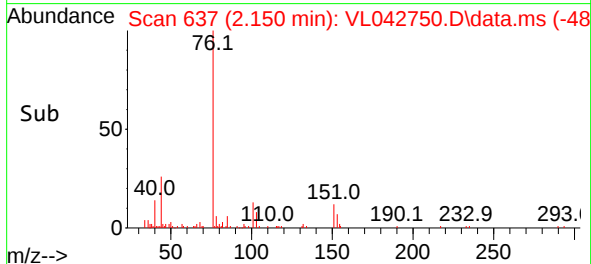
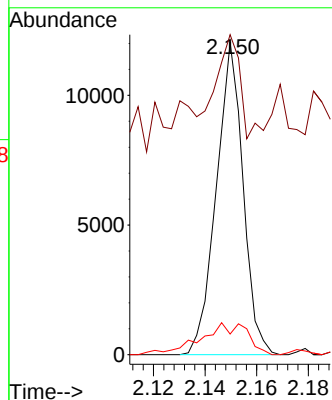
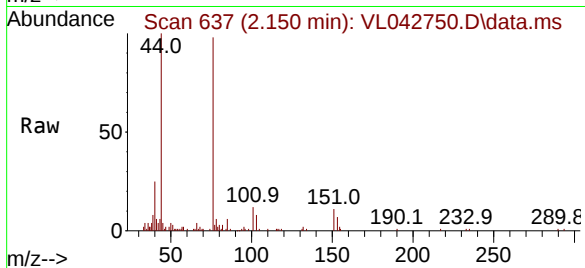




#27
Carbon Disulfide
Concen: 0.499 ppbv
RT: 2.150 min Scan# 61
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

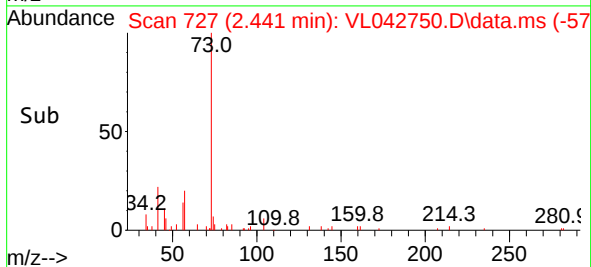
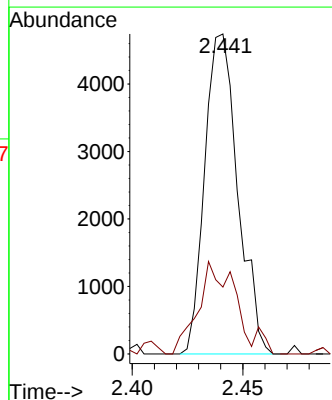
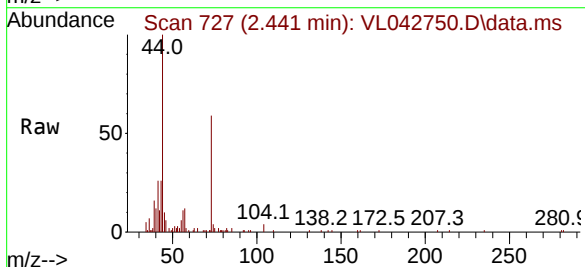
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

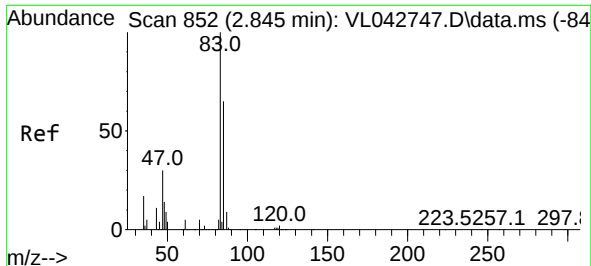
Tgt Ion: 76 Resp: 8670
Ion Ratio Lower Upper
76 100
44 203.7 19.3 28.9#
78 19.1 9.9 14.9#



#28
Methyl tert-Butyl Ether
Concen: 0.515 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 73 Resp: 4937
Ion Ratio Lower Upper
73 100
57 35.2 19.8 29.8#





#29

Chloroform

Concen: 0.546 ppbv

RT: 2.849 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

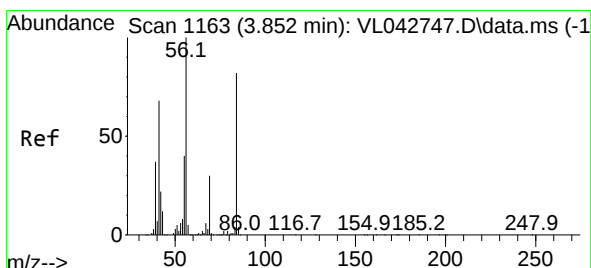
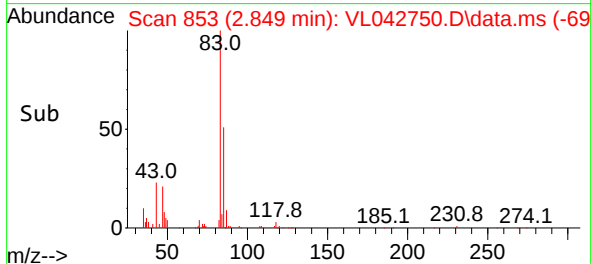
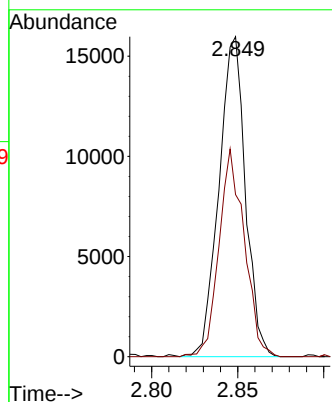
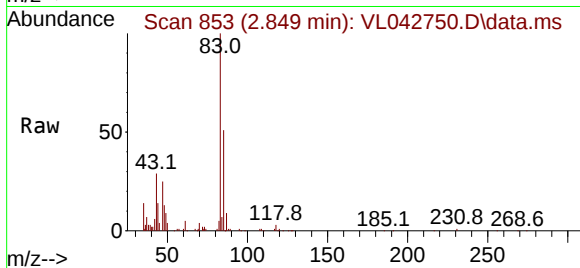
VSTDIC0.5

Tgt Ion: 83 Resp: 17100

Ion Ratio Lower Upper

83 100

85 50.7 52.2 78.2#



#30

Cyclohexane

Concen: 0.500 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

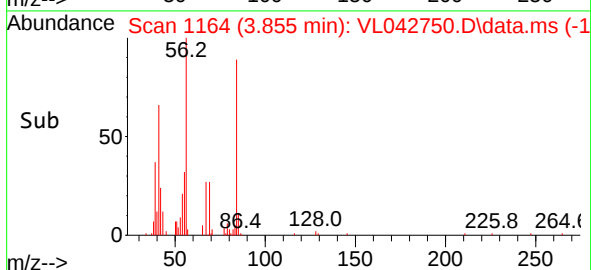
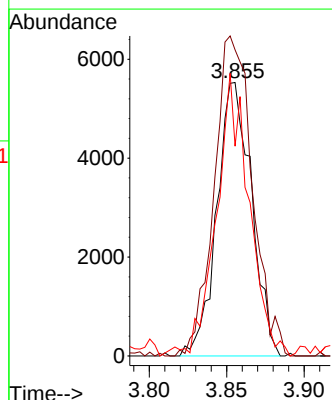
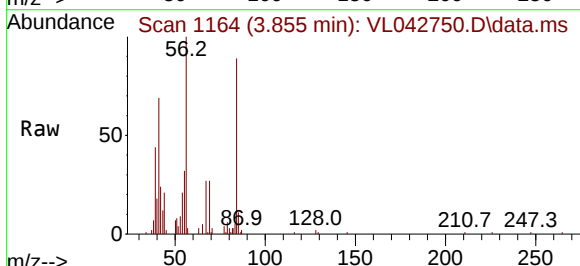
Tgt Ion: 84 Resp: 8596

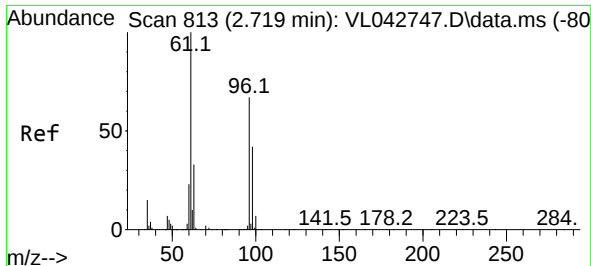
Ion Ratio Lower Upper

84 100

56 129.6 97.5 146.3

41 98.8 67.2 100.8

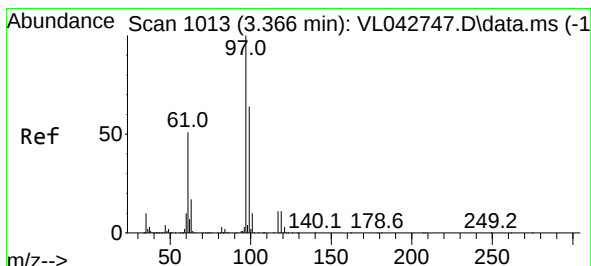
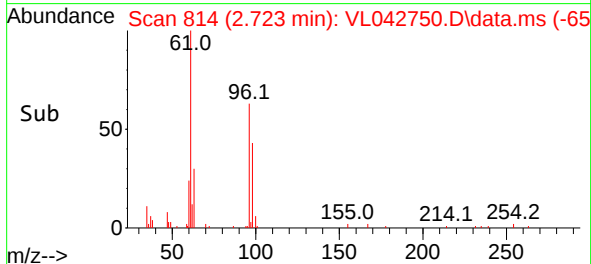
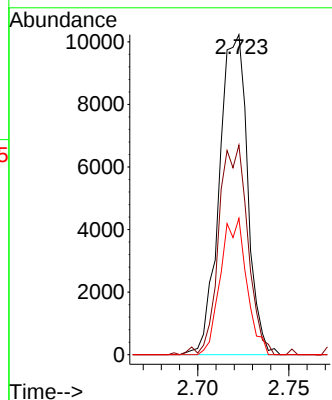
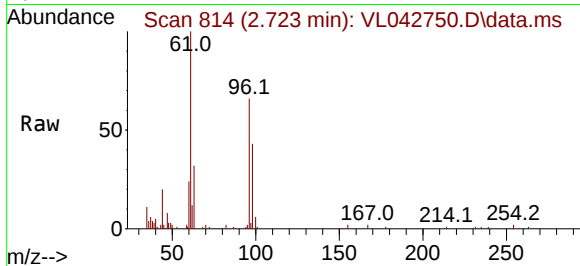




#31
 cis-1,2-Dichloroethene
 Concen: 0.529 ppbv
 RT: 2.723 min Scan# 813
 Delta R.T. 0.003 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

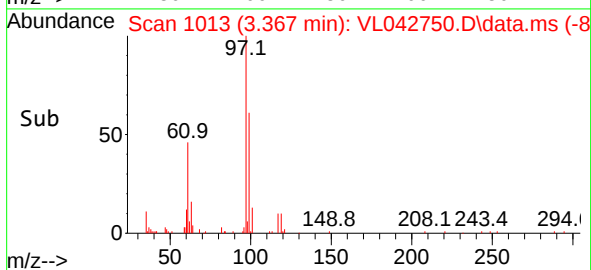
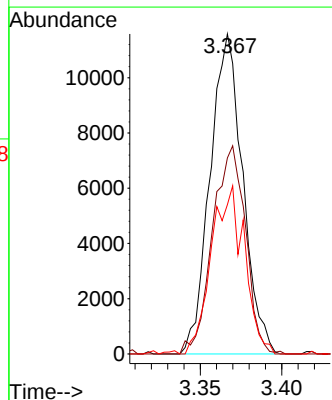
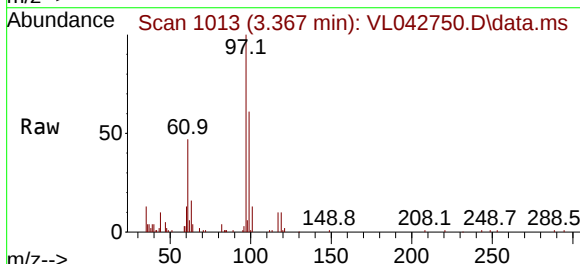
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

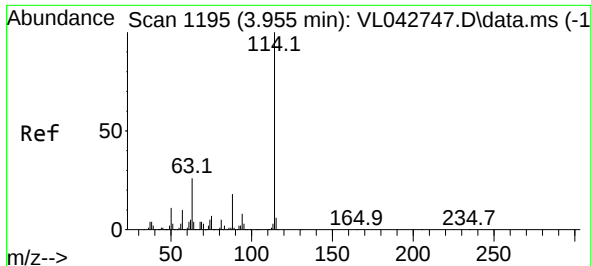
Tgt Ion: 61 Resp: 11032
 Ion Ratio Lower Upper
 61 100
 96 65.5 53.5 80.3
 98 42.6 33.6 50.4



#32
 1,1,1-Trichloroethane
 Concen: 0.494 ppbv
 RT: 3.367 min Scan# 1013
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Tgt Ion: 97 Resp: 16132
 Ion Ratio Lower Upper
 97 100
 99 65.6 51.0 76.6
 61 53.8 40.9 61.3

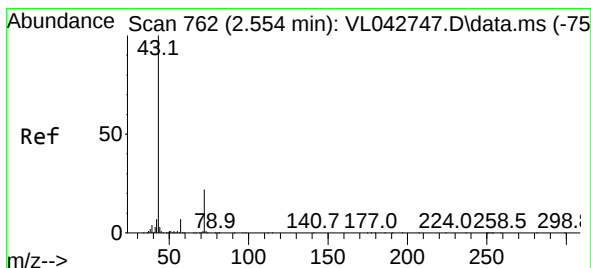
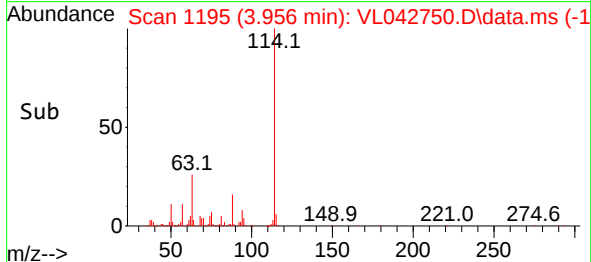
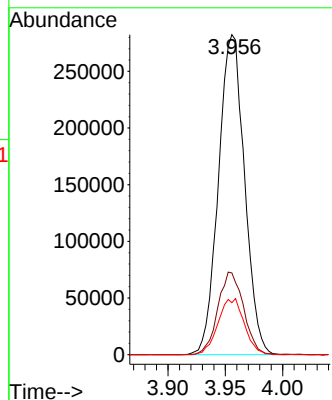
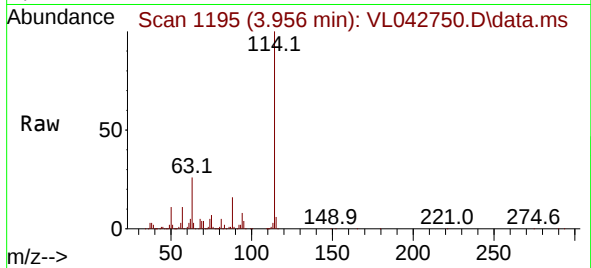




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.956 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

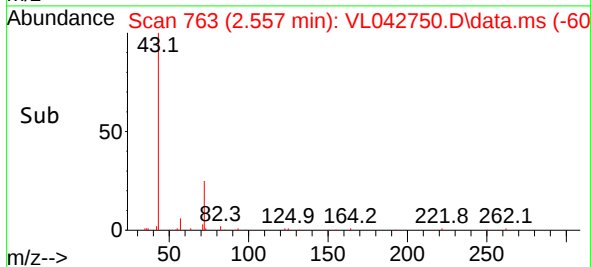
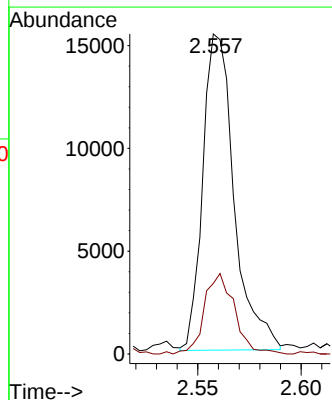
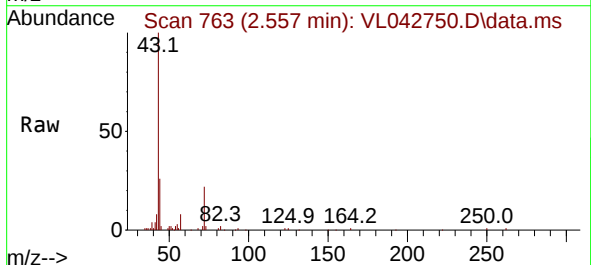
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

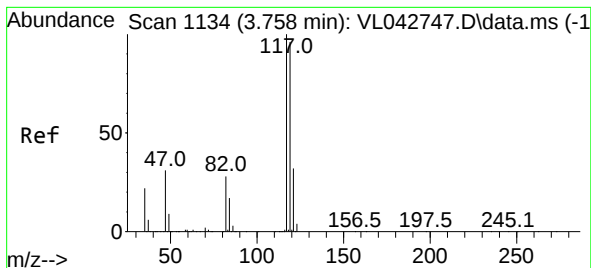
Tgt Ion:114 Resp: 446836
Ion Ratio Lower Upper
114 100
63 25.4 20.5 30.7
88 17.7 14.0 21.0



#34
2-Butanone
Concen: 0.515 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 16299
Ion Ratio Lower Upper
43 100
72 24.6 17.4 26.0





#35

Carbon Tetrachloride

Concen: 0.458 ppbv

RT: 3.761 min Scan# 1134

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

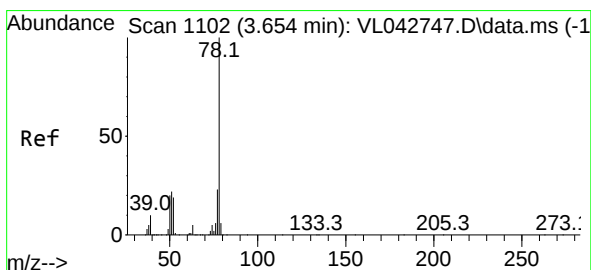
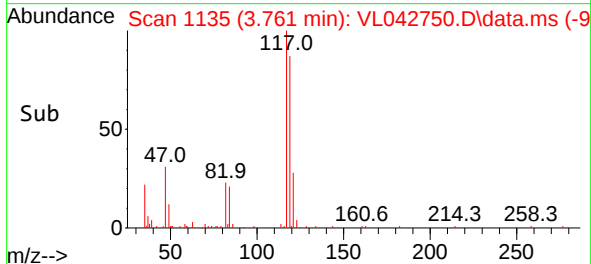
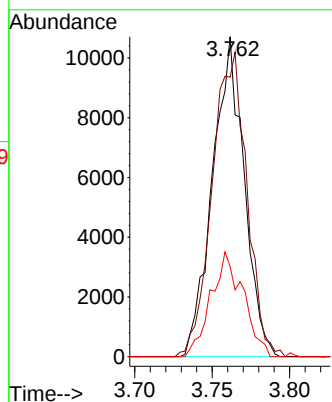
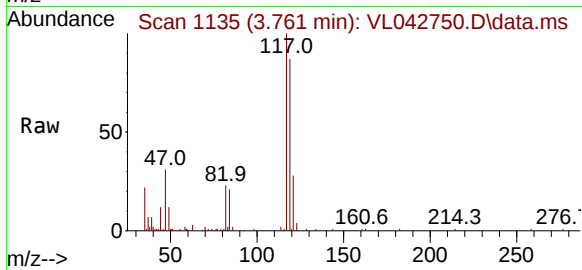
Tgt Ion:117 Resp: 15207

Ion Ratio Lower Upper

117 100

119 86.0 77.1 115.7

121 28.2 25.5 38.3



#36

Benzene

Concen: 0.515 ppbv

RT: 3.651 min Scan# 1101

Delta R.T. -0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

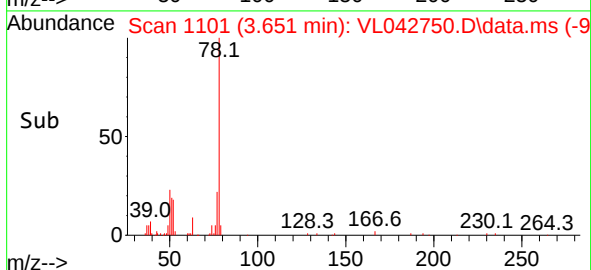
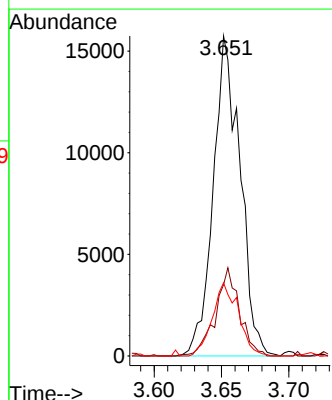
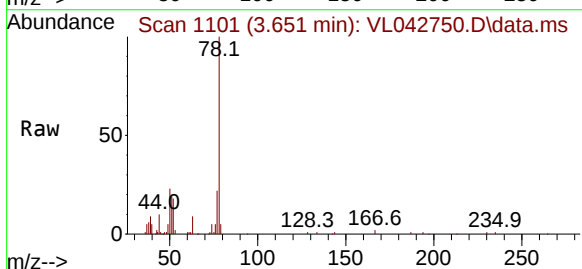
Tgt Ion: 78 Resp: 21800

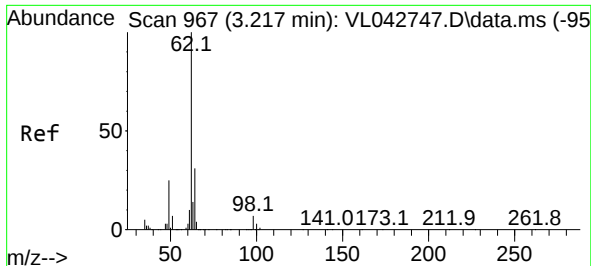
Ion Ratio Lower Upper

78 100

77 22.3 18.5 27.7

50 22.8 16.2 24.2





#37

1,2-Dichloroethane

Concen: 0.521 ppbv

RT: 3.215 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

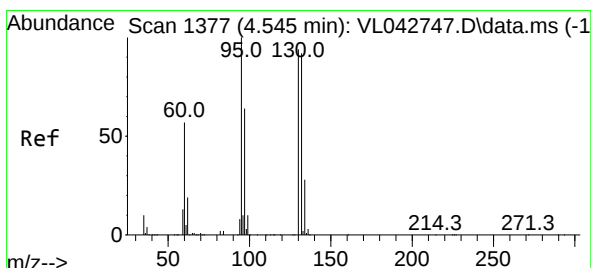
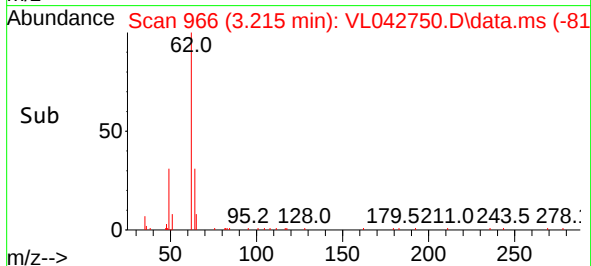
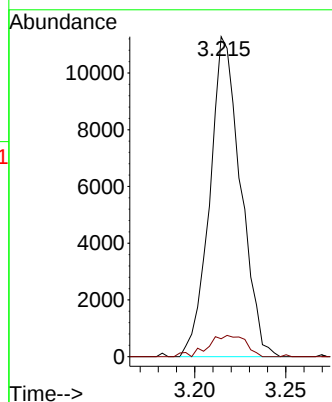
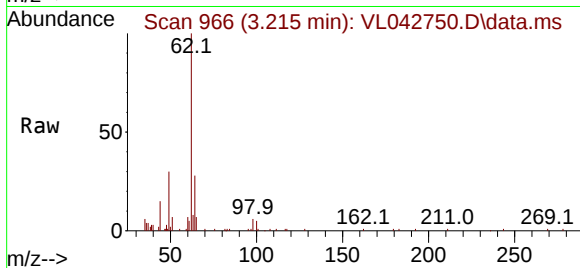
VSTDIC0.5

Tgt Ion: 62 Resp: 13299

Ion Ratio Lower Upper

62 100

98 8.3 5.2 7.8#



#38

Trichloroethene

Concen: 0.448 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Tgt Ion:130 Resp: 9150

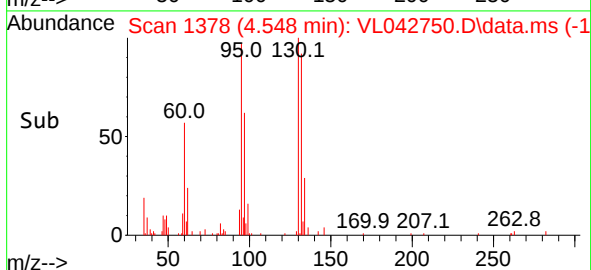
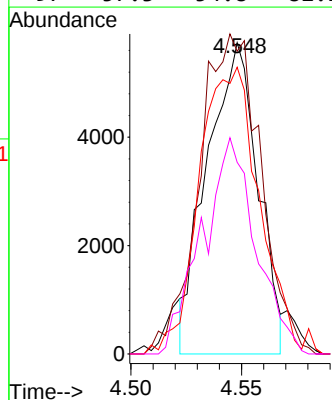
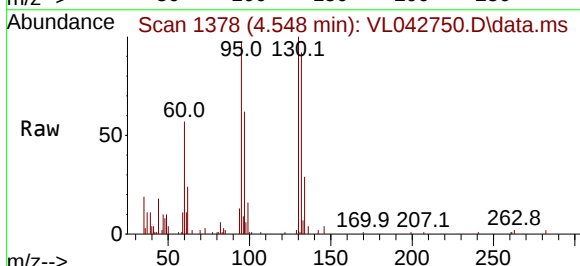
Ion Ratio Lower Upper

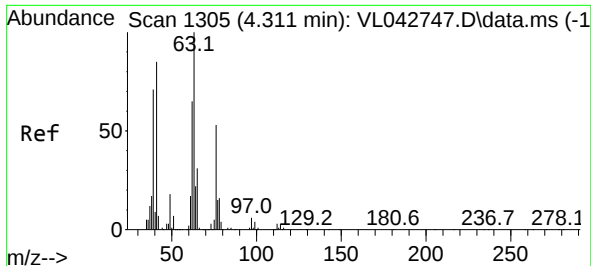
130 100

95 89.3 85.4 128.2

132 94.1 78.2 117.2

97 57.3 54.8 82.2





#39

1,2-Dichloropropane

Concen: 0.530 ppbv

RT: 4.312 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

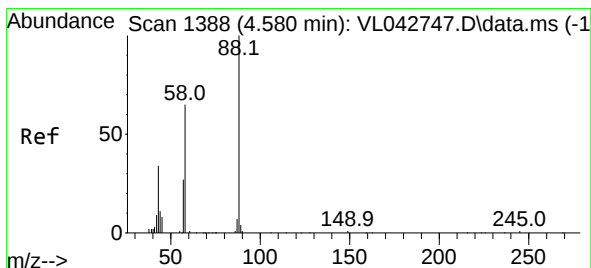
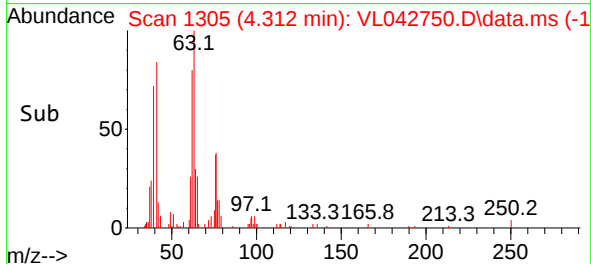
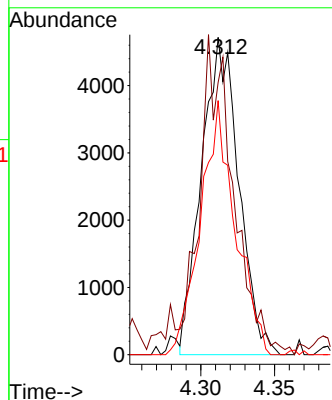
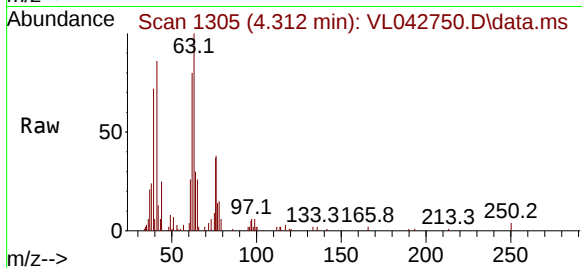
Tgt Ion: 63 Resp: 8291

Ion Ratio Lower Upper

63 100

41 83.1 68.2 102.4

62 80.1 52.0 78.0#



#40

1,4-Dioxane

Concen: 0.187 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.013 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Tgt Ion: 88 Resp: 1378

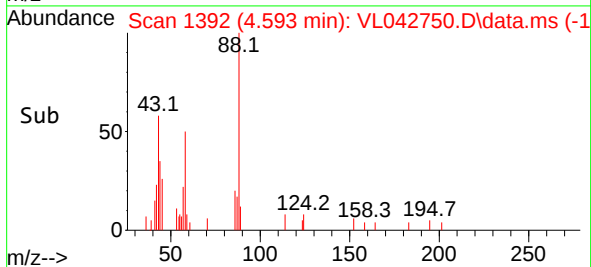
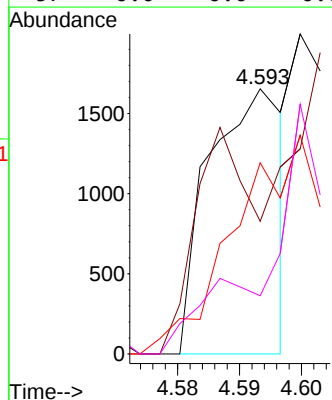
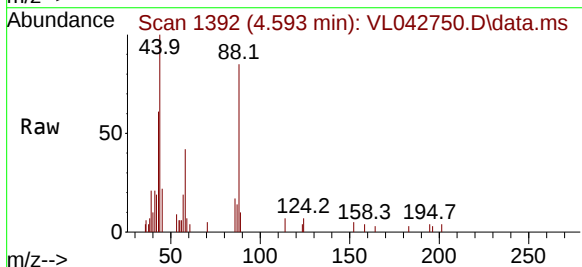
Ion Ratio Lower Upper

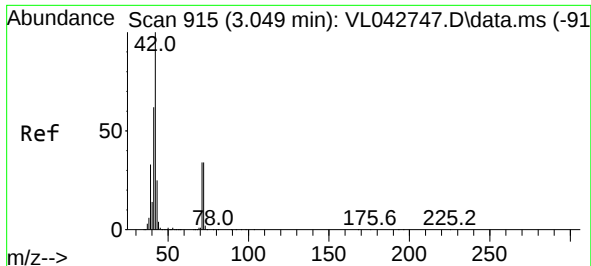
88 100

58 0.0 58.8 88.2#

43 0.0 28.9 43.3#

57 0.0 0.0 0.0

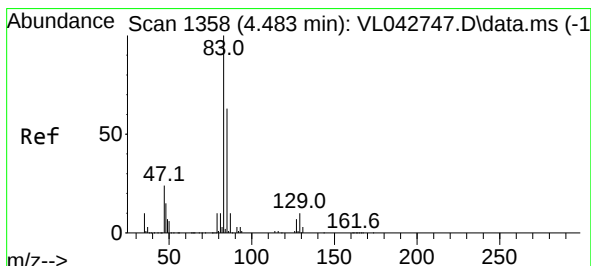
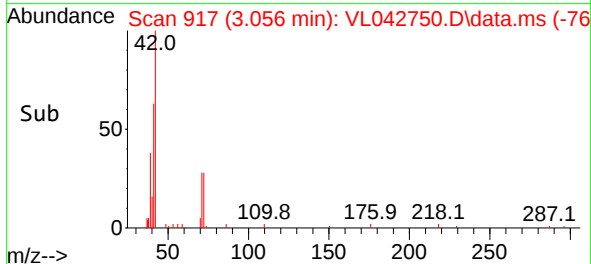
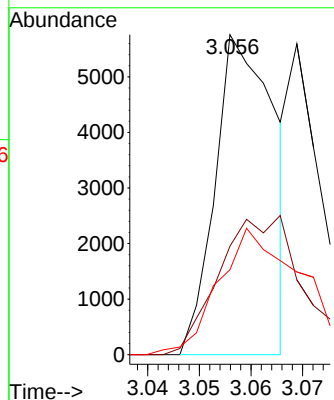
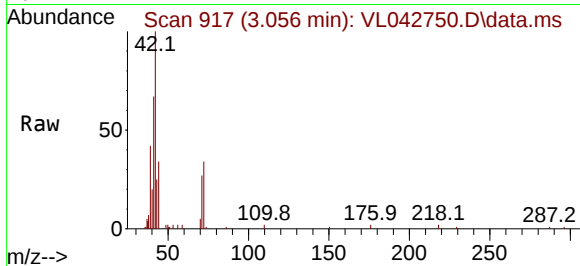




#41
Tetrahydrofuran
Concen: 0.289 ppbv
RT: 3.056 min Scan# 915
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

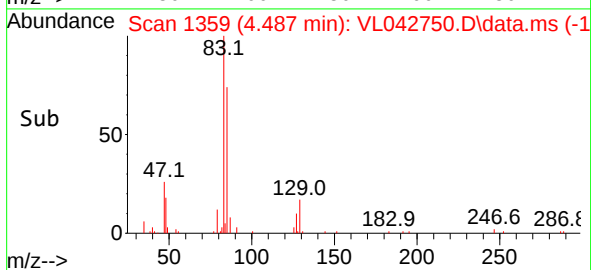
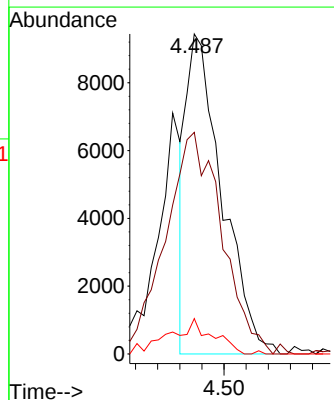
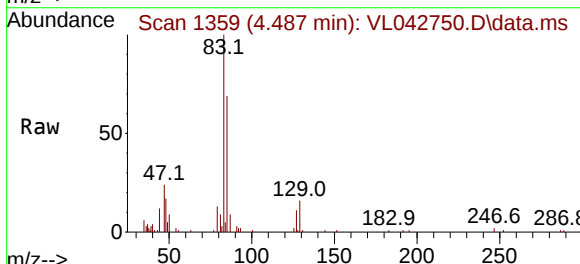
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

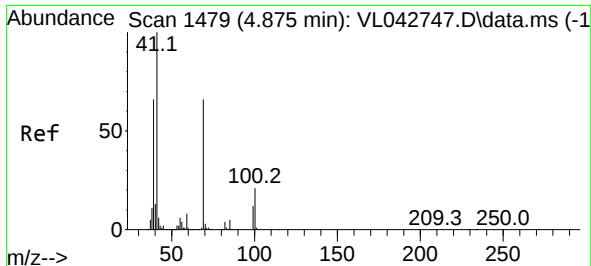
Tgt Ion: 42 Resp: 4590
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3#
71 66.1 28.6 43.0#



#42
Bromodichloromethane
Concen: 0.318 ppbv
RT: 4.487 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 83 Resp: 10591
Ion Ratio Lower Upper
83 100
85 66.1 50.2 75.4
127 11.1 5.4 8.2#

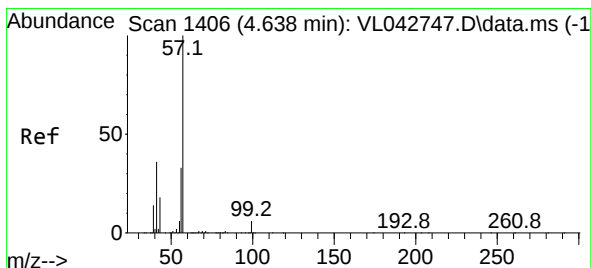
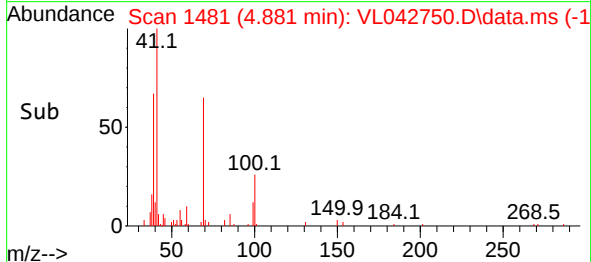
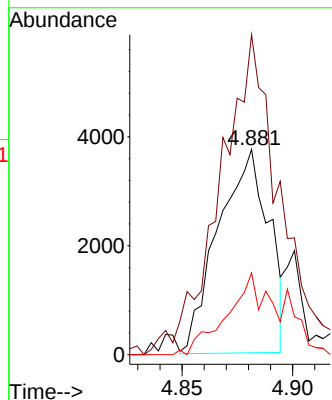
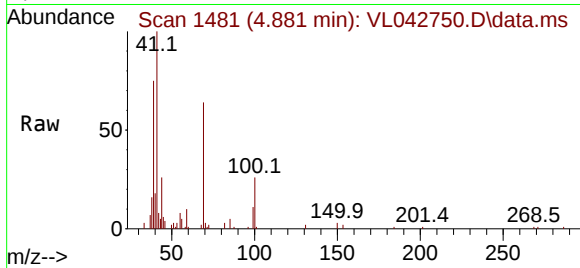




#43
Methyl Methacrylate
Concen: 0.394 ppbv
RT: 4.881 min Scan# 1479
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

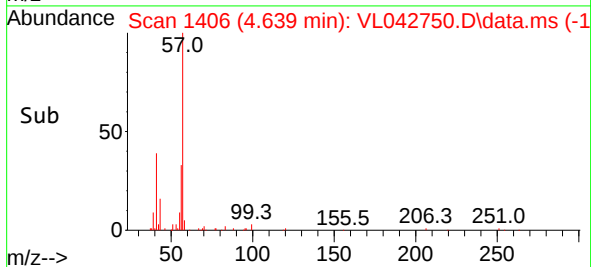
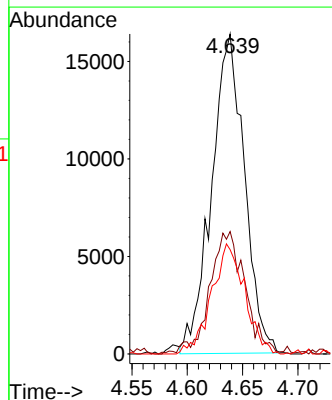
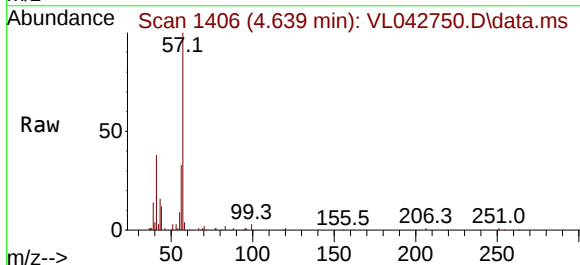
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

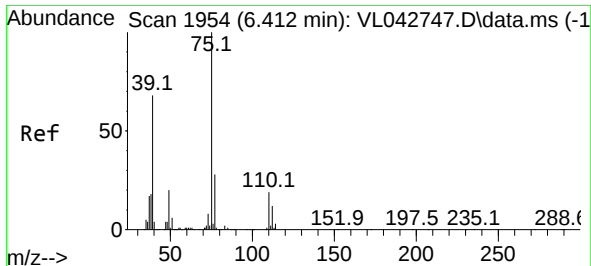
Tgt Ion: 69 Resp: 5938
Ion Ratio Lower Upper
69 100
41 186.9 125.7 188.5
100 44.0 28.6 42.8#



#44
2,2,4-Trimethylpentane
Concen: 0.490 ppbv
RT: 4.639 min Scan# 1406
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 57 Resp: 33853
Ion Ratio Lower Upper
57 100
41 41.3 28.3 42.5
56 34.7 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 0.342 ppbv

RT: 6.412 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_1

ClientSampleId :

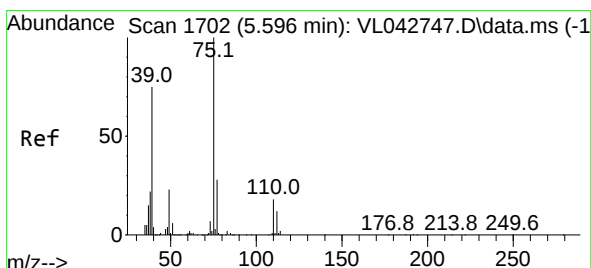
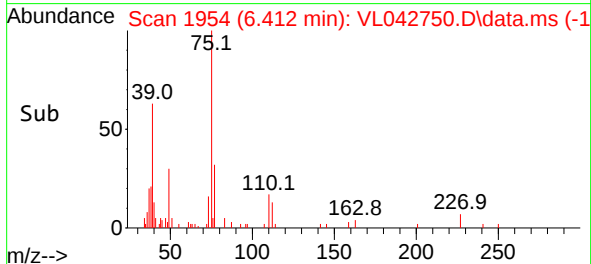
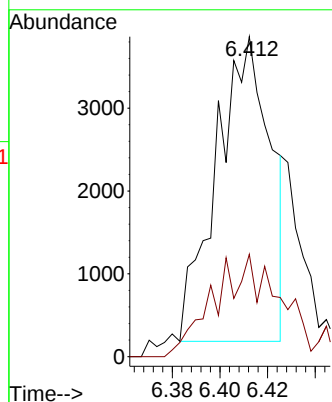
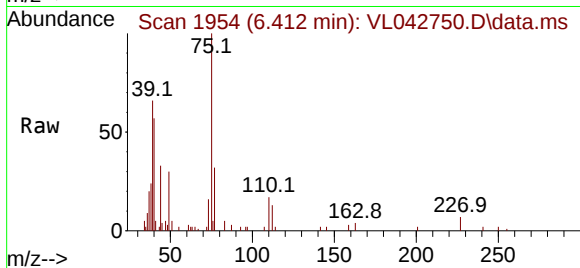
VSTDIC0.5

Tgt Ion: 75 Resp: 5781

Ion Ratio Lower Upper

75 100

77 32.0 22.4 33.6



#46

cis-1,3-Dichloropropene

Concen: 0.162 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. -0.009 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

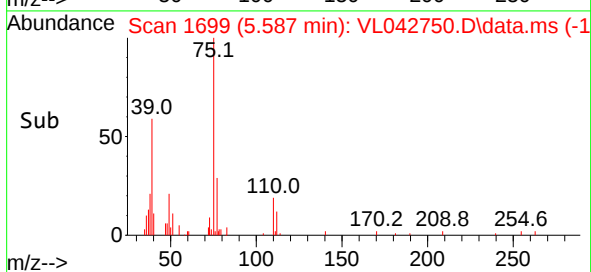
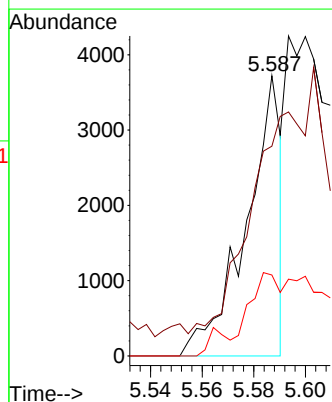
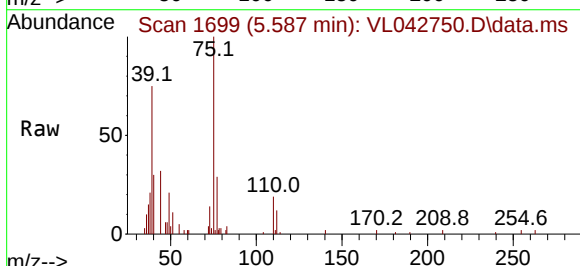
Tgt Ion: 75 Resp: 3465

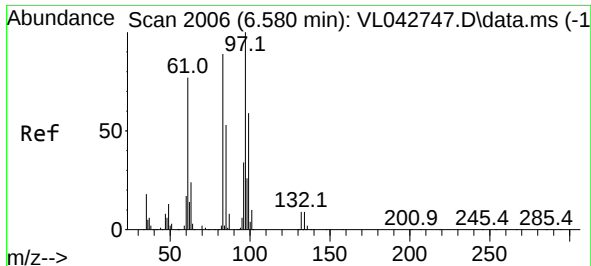
Ion Ratio Lower Upper

75 100

39 63.4 60.2 90.2

77 28.9 22.6 34.0





#47

1,1,2-Trichloroethane

Concen: 0.293 ppbv

RT: 6.584 min Scan# 2006

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 4878

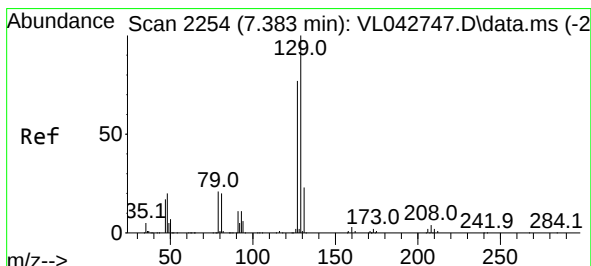
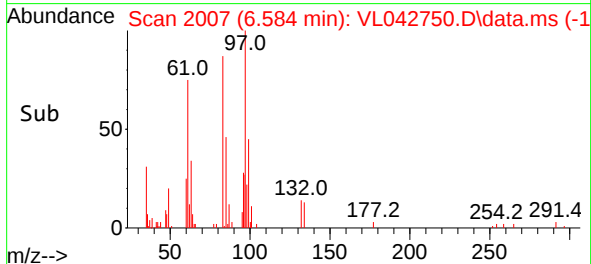
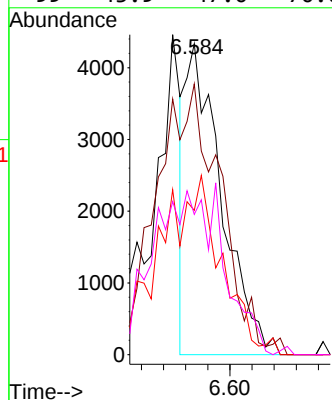
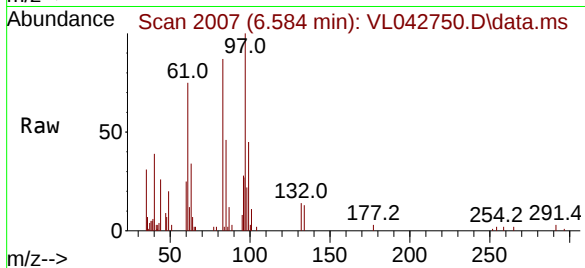
Ion Ratio Lower Upper

97 100

83 81.7 71.1 106.7

85 46.4 43.0 64.4

99 43.9 47.0 70.6#



#48

Dibromochloromethane

Concen: 0.322 ppbv

RT: 7.383 min Scan# 2254

Delta R.T. 0.000 min

Lab File: VL042750.D

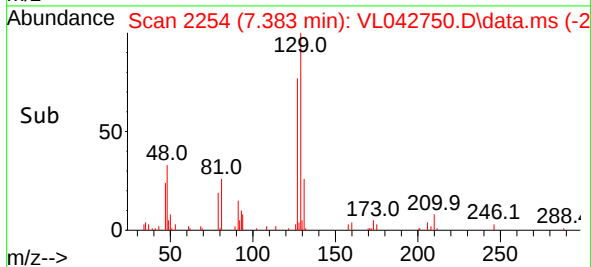
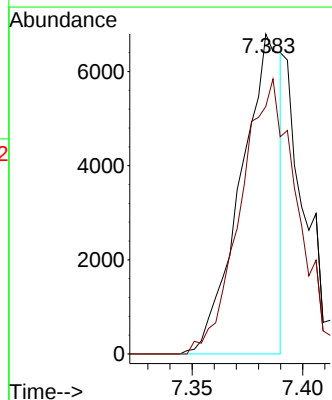
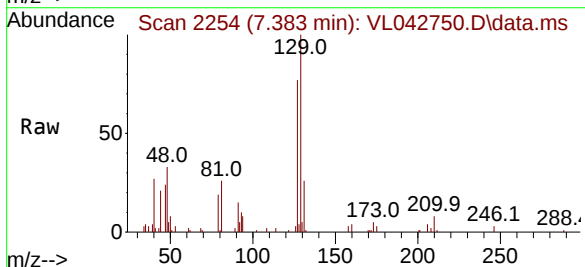
Acq: 23 Jul 2025 10:42

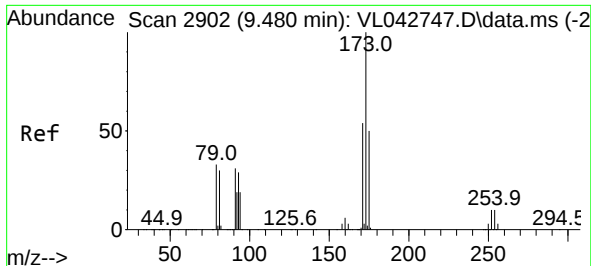
Tgt Ion: 129 Resp: 8515

Ion Ratio Lower Upper

129 100

127 121.6 38.7 116.1#

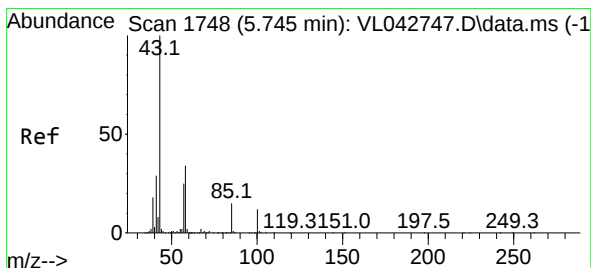
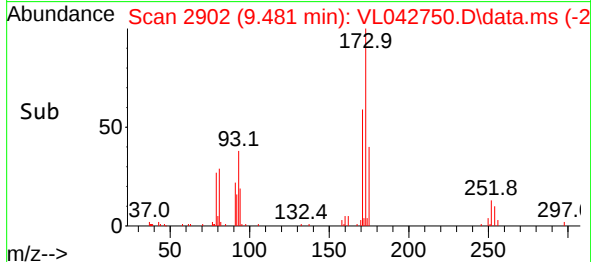
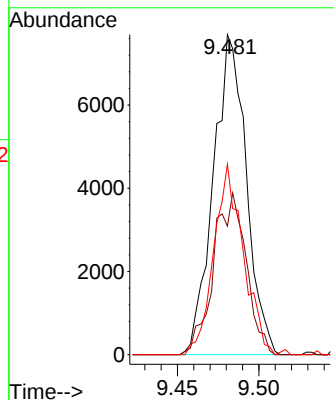
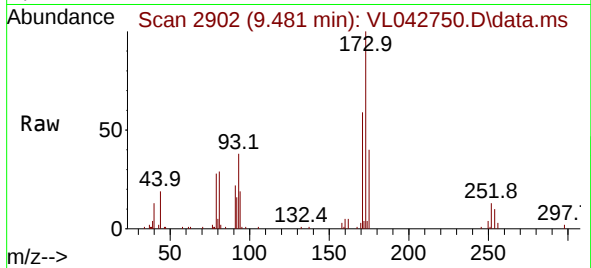




#49
Bromoform
Concen: 0.468 ppbv
RT: 9.481 min Scan# 2902
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

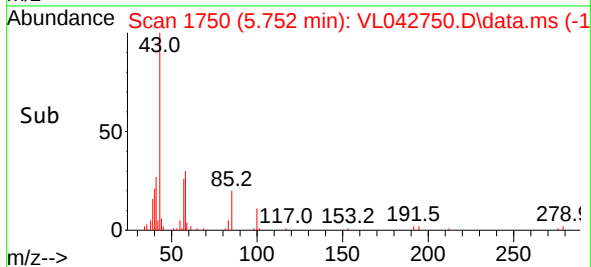
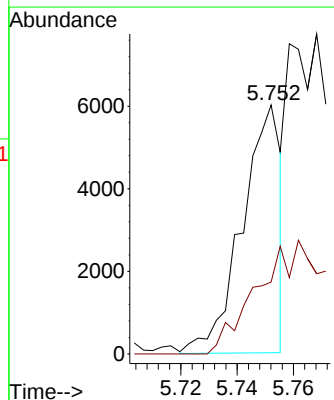
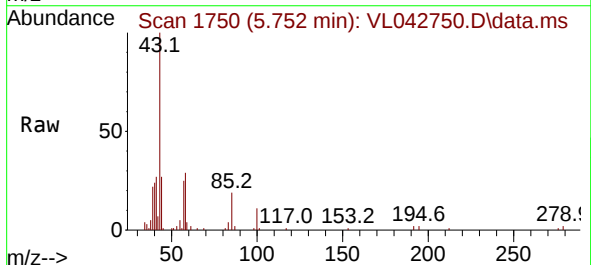
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

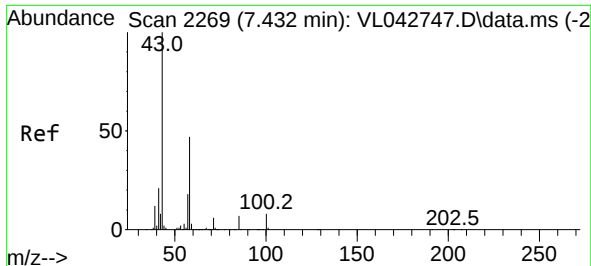
Tgt Ion:173 Resp: 10801
Ion Ratio Lower Upper
173 100
175 50.1 38.4 57.6
171 53.7 40.9 61.3



#50
4-Methyl-2-Pentanone
Concen: 0.142 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 43 Resp: 5736
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

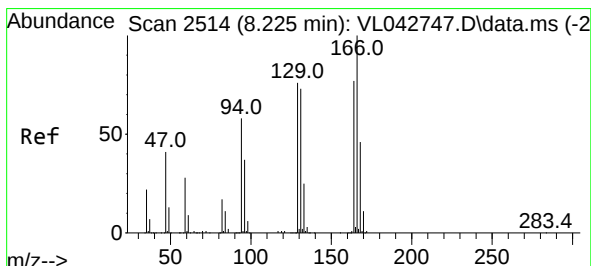
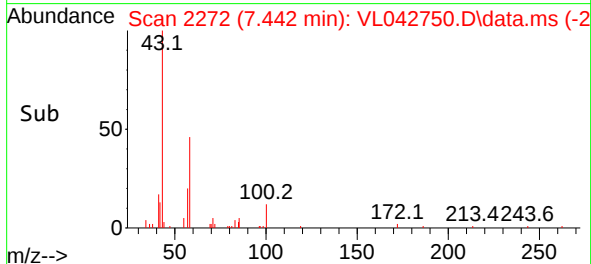
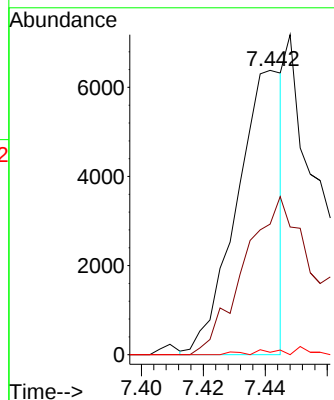
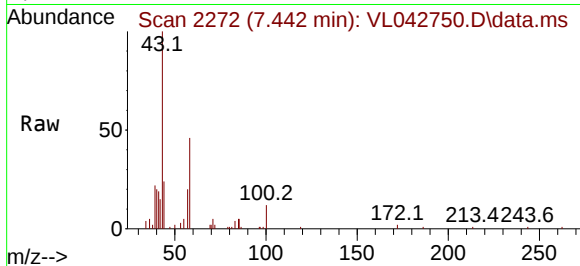




#51
2-Hexanone
Concen: 0.213 ppbv
RT: 7.442 min Scan# 2112
Delta R.T. 0.010 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

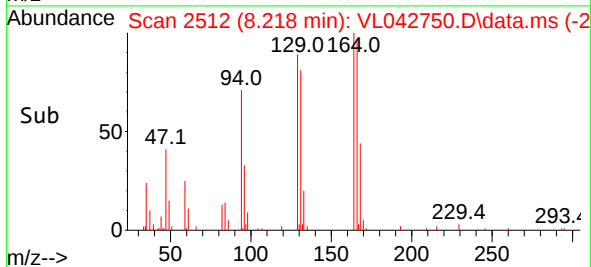
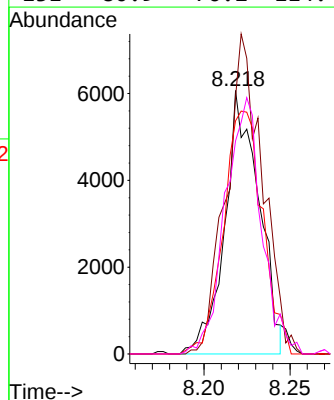
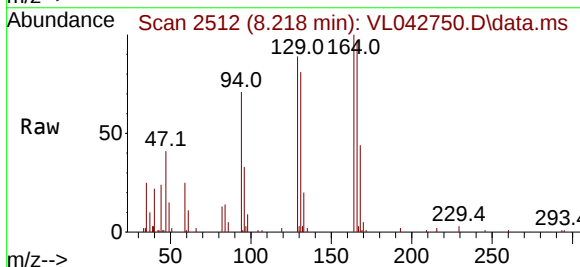
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

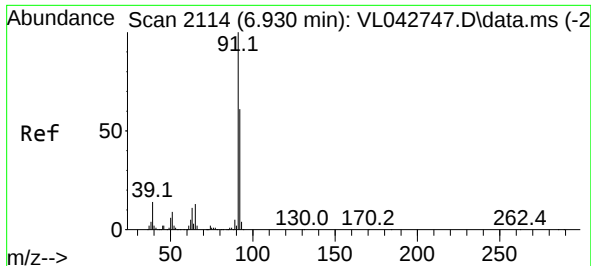
Tgt Ion: 43 Resp: 6572
Ion Ratio Lower Upper
43 100
58 0.0 38.0 57.0#
98 0.0 0.2 0.4#



#52
Tetrachloroethene
Concen: 0.475 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 164 Resp: 8359
Ion Ratio Lower Upper
164 100
166 97.5 104.0 156.0#
129 88.5 79.2 118.8
131 80.9 76.2 114.4

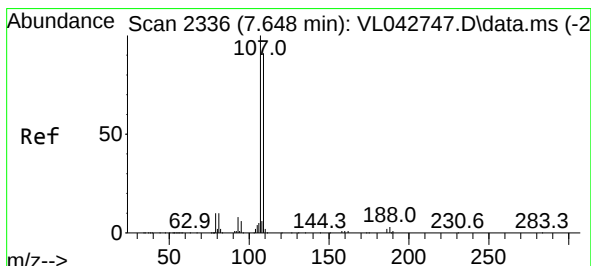
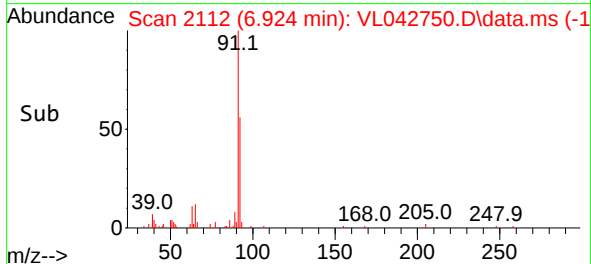
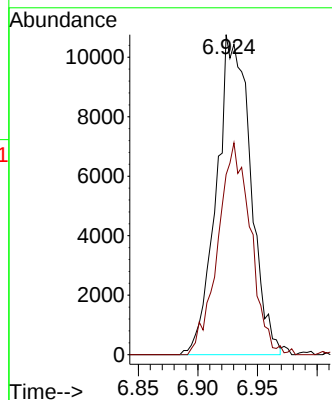
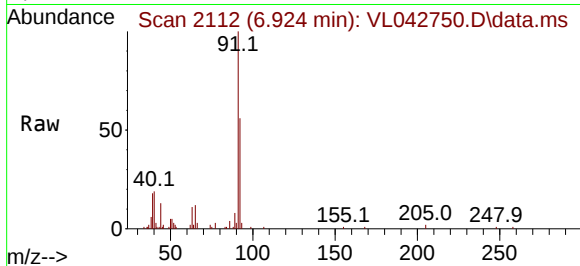




#53
Toluene
Concen: 0.469 ppbv
RT: 6.924 min Scan# 2112
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

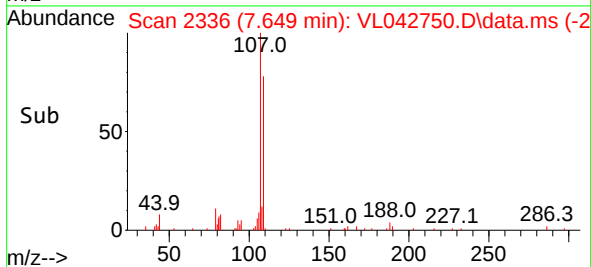
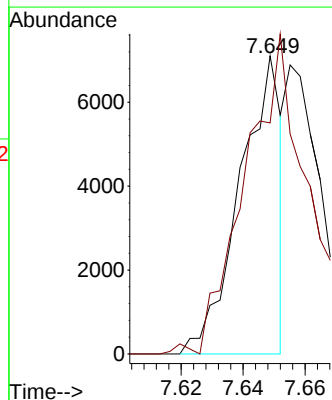
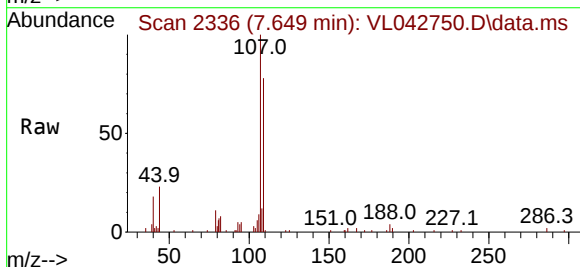
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

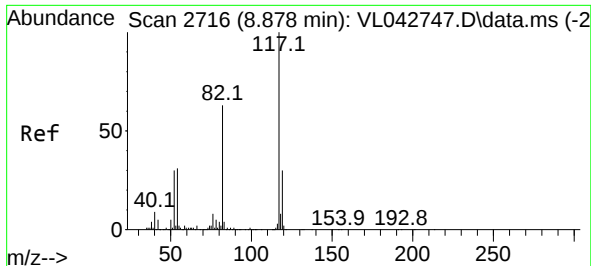
Tgt Ion: 91 Resp: 21324
Ion Ratio Lower Upper
91 100
92 63.9 48.0 72.0



#54
1,2-Dibromoethane
Concen: 0.277 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 107 Resp: 6536
Ion Ratio Lower Upper
107 100
109 74.1 72.7 109.1

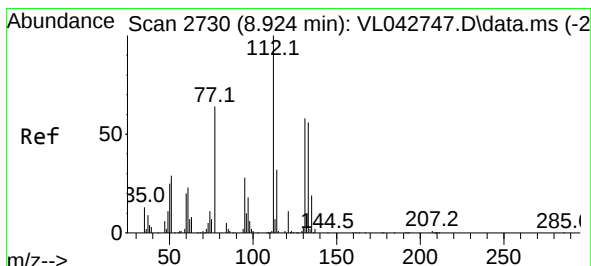
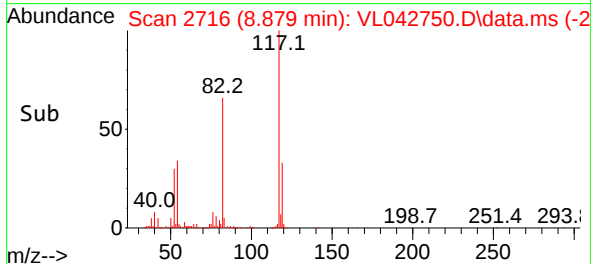
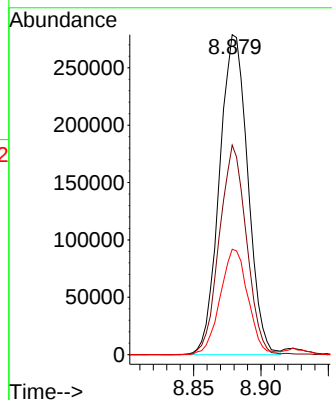
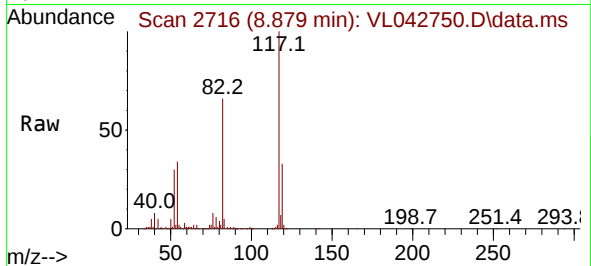




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

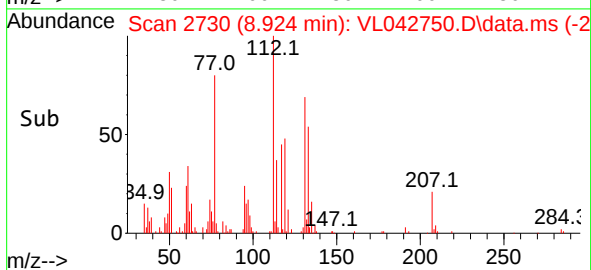
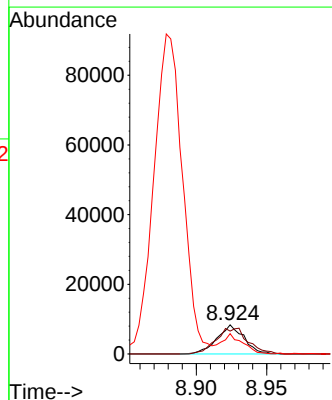
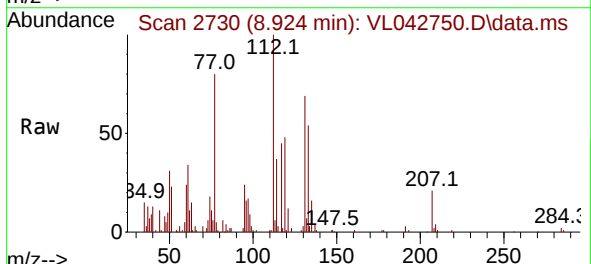
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

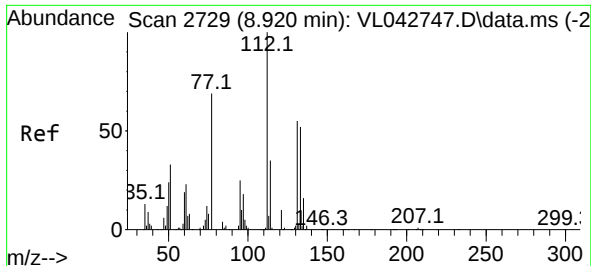
Tgt Ion:117 Resp: 408626
Ion Ratio Lower Upper
117 100
82 62.7 53.3 79.9
119 32.3 25.8 38.6



#56
1,1,1,2-Tetrachloroethane
Concen: 0.527 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:131 Resp: 11191
Ion Ratio Lower Upper
131 100
133 104.0 76.8 115.2
119 1231.3 49.7 74.5#





#57

Chlorobenzene

Concen: 0.527 ppbv

RT: 8.921 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

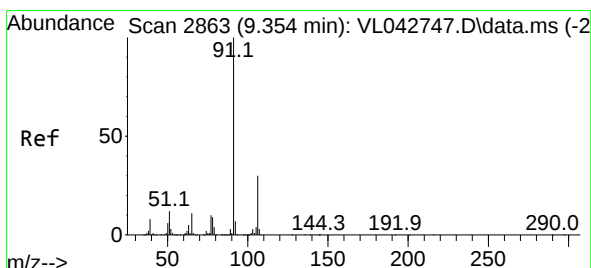
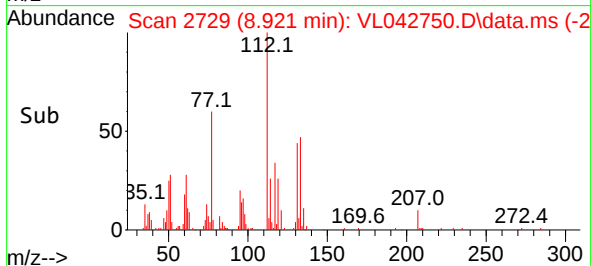
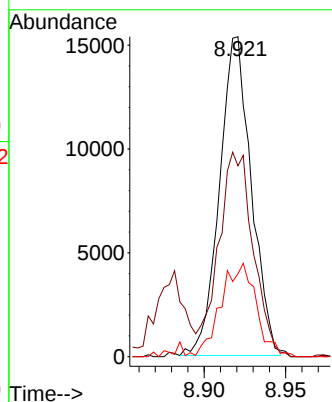
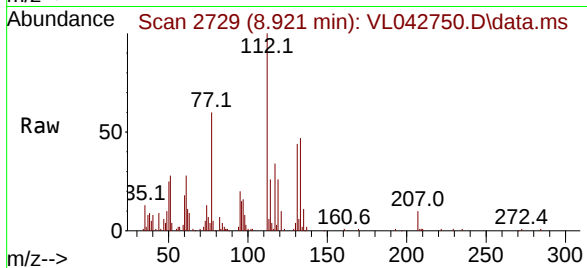
Tgt Ion:112 Resp: 20828

Ion Ratio Lower Upper

112 100

77 58.4 56.4 84.6

114 23.8 31.2 38.2#



#58

Ethyl Benzene

Concen: 0.451 ppbv

RT: 9.354 min Scan# 2863

Delta R.T. 0.000 min

Lab File: VL042750.D

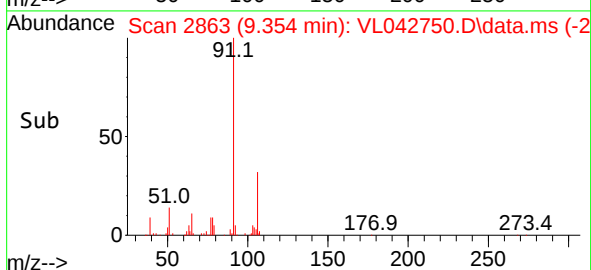
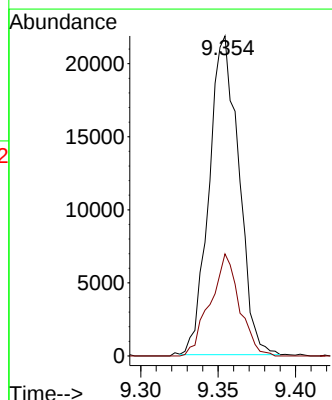
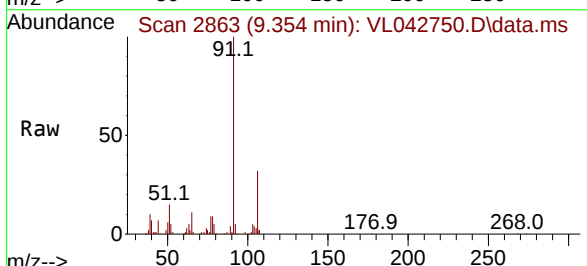
Acq: 23 Jul 2025 10:42

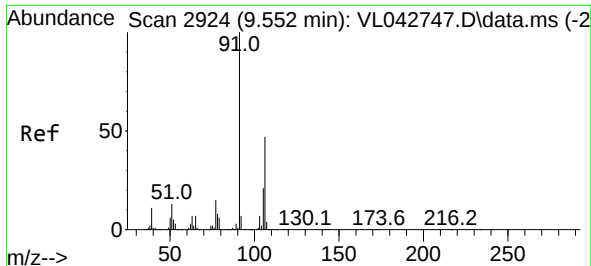
Tgt Ion: 91 Resp: 29134

Ion Ratio Lower Upper

91 100

106 32.0 23.8 35.6





#59

m/p-Xylene

Concen: 0.332 ppbv

RT: 9.549 min Scan# 2924

Delta R.T. -0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_1

ClientSampleId :

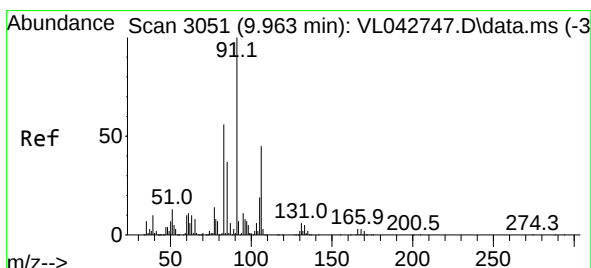
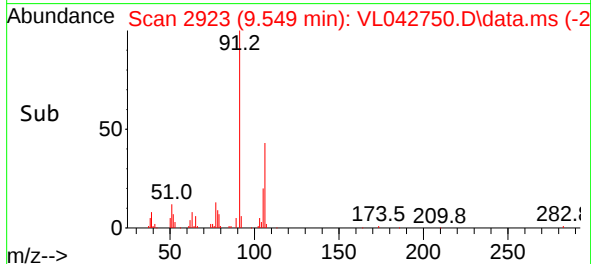
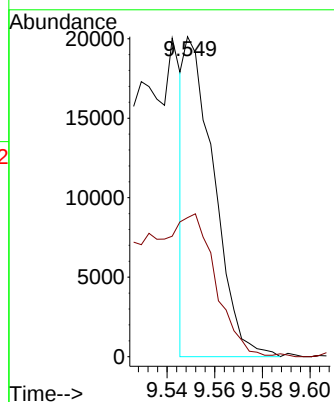
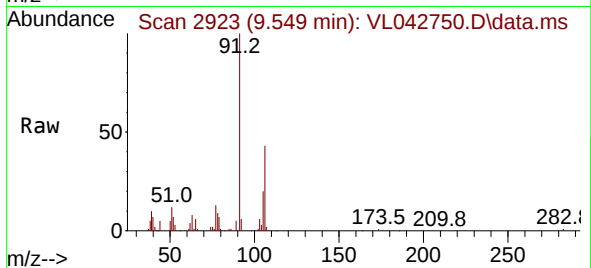
VSTDIC0.5

Tgt Ion: 91 Resp: 17145

Ion Ratio Lower Upper

91 100

106 123.2 37.4 56.2#



#60

o-Xylene

Concen: 0.458 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL042750.D

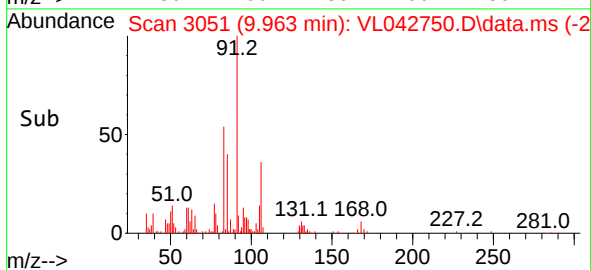
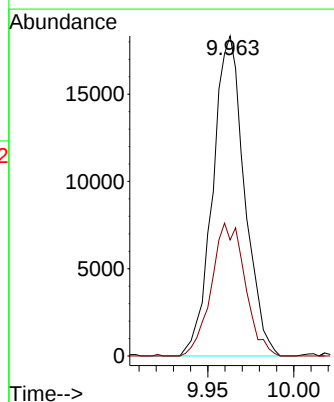
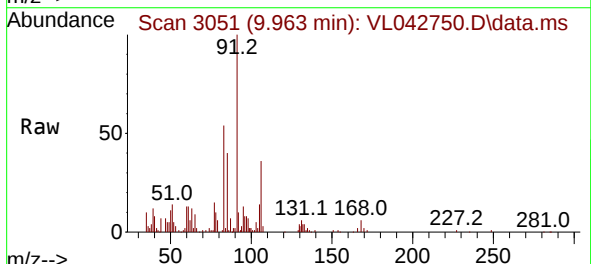
Acq: 23 Jul 2025 10:42

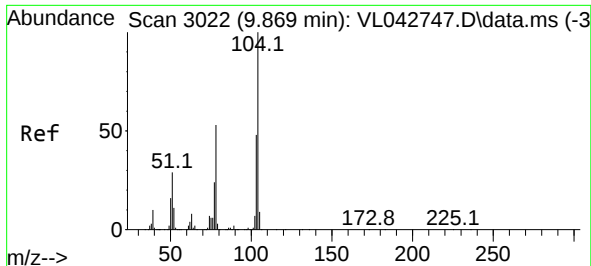
Tgt Ion: 91 Resp: 23603

Ion Ratio Lower Upper

91 100

106 43.8 22.0 66.0





#61

Styrene

Concen: 0.424 ppbv

RT: 9.872 min Scan# 3022

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

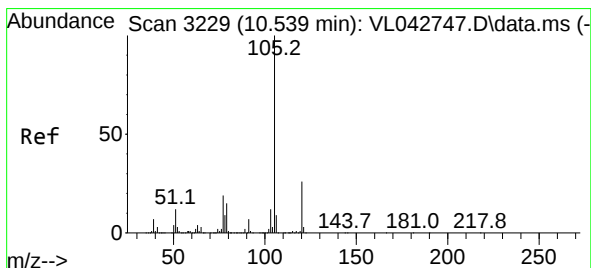
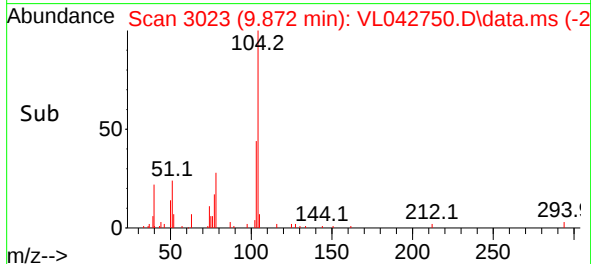
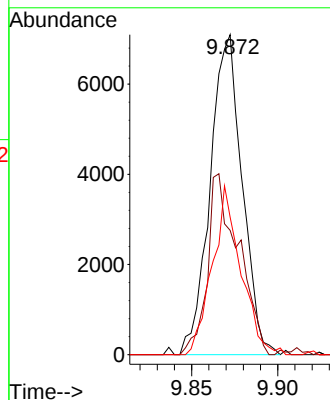
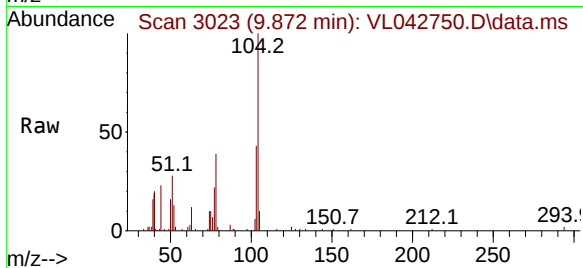
Tgt Ion:104 Resp: 9195

Ion Ratio Lower Upper

104 100

78 55.8 41.5 62.3

103 47.0 37.5 56.3



#62

Isopropylbenzene

Concen: 0.463 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.000 min

Lab File: VL042750.D

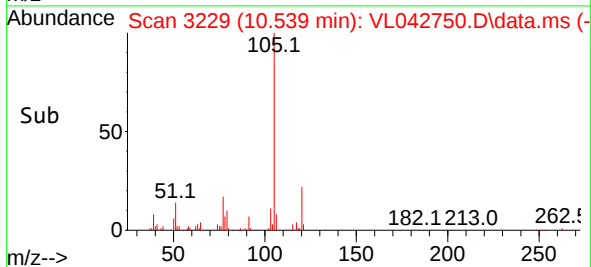
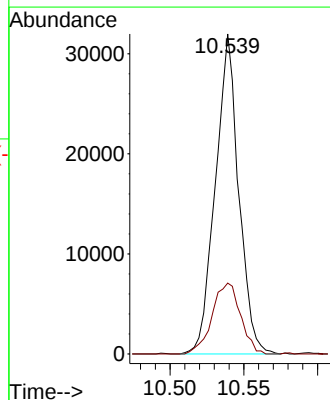
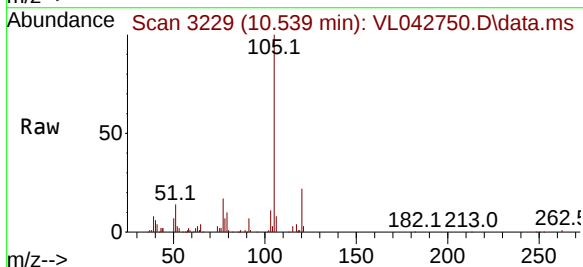
Acq: 23 Jul 2025 10:42

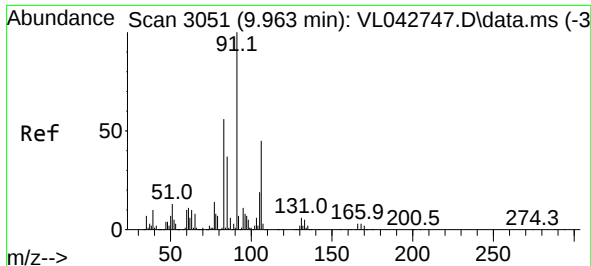
Tgt Ion:105 Resp: 35189

Ion Ratio Lower Upper

105 100

120 26.9 20.5 30.7

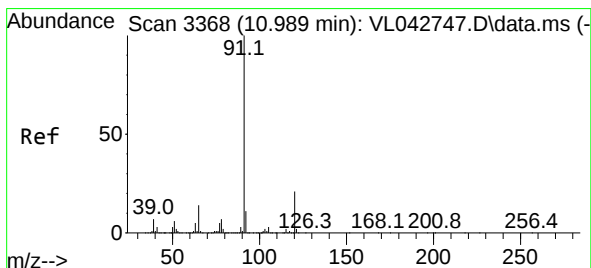
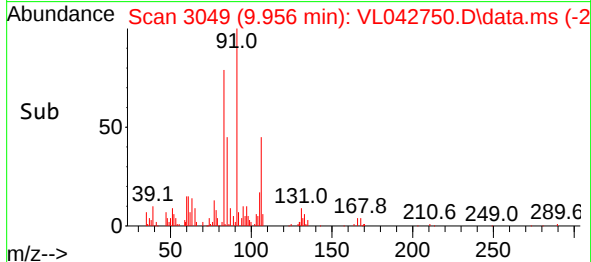
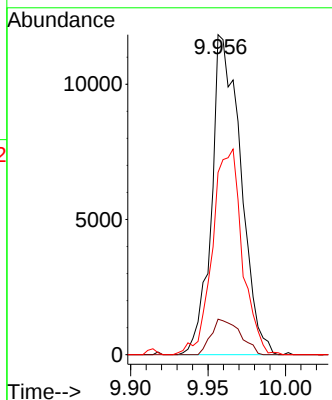
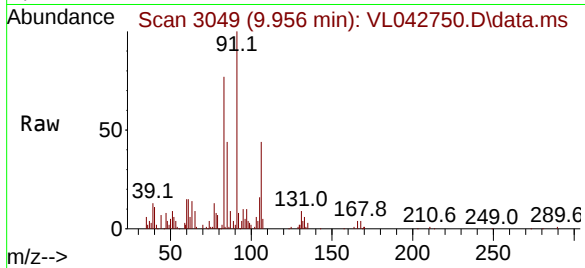




#63
1,1,2,2-Tetrachloroethane
Concen: 0.463 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.006 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

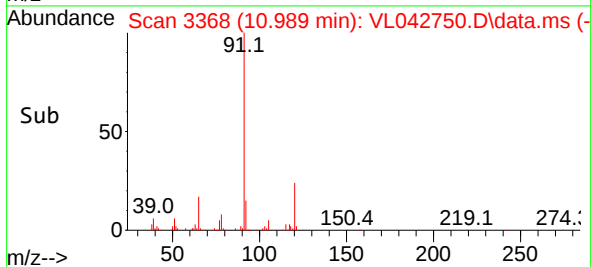
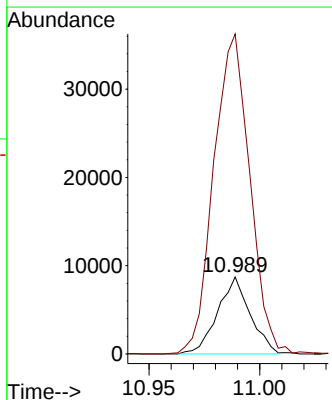
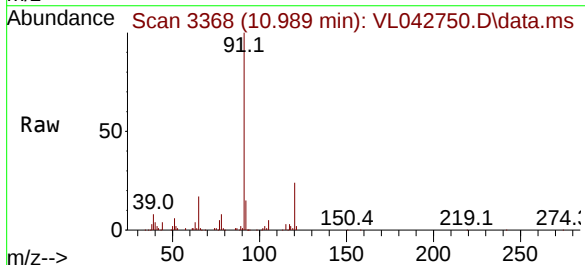
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

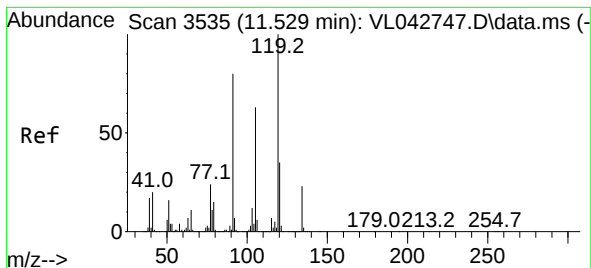
Tgt Ion: 83 Resp: 15544
Ion Ratio Lower Upper
83 100
131 11.0 5.0 15.0
85 66.1 32.6 97.7



#64
n-propylbenzene
Concen: 0.450 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 120 Resp: 8924
Ion Ratio Lower Upper
120 100
91 464.1 372.7 559.1





#65

tert-Butylbenzene

Concen: 0.453 ppbv

RT: 11.529 min Scan# 3535

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.5

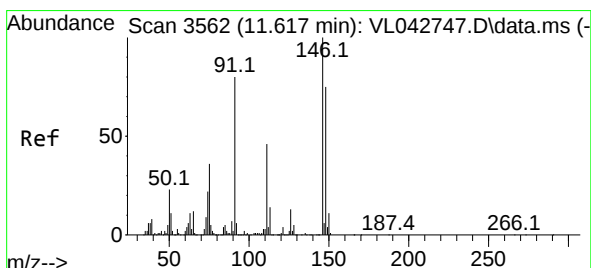
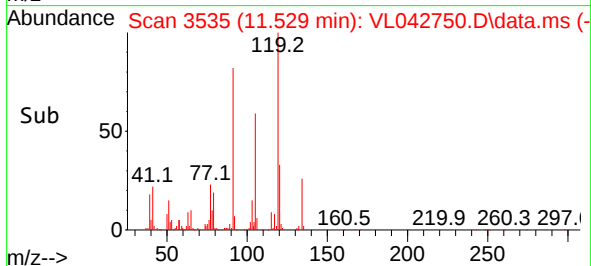
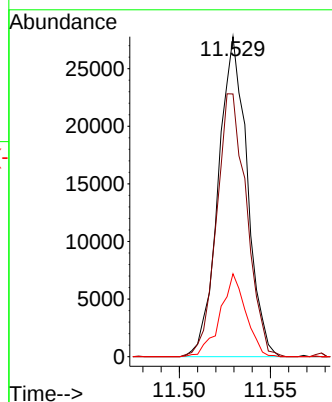
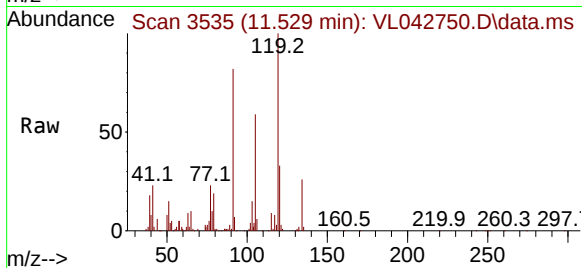
Tgt Ion:119 Resp: 30560

Ion Ratio Lower Upper

119 100

91 85.1 64.0 96.0

134 23.1 17.3 25.9



#66

Benzyl Chloride

Concen: 0.152 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. -0.009 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

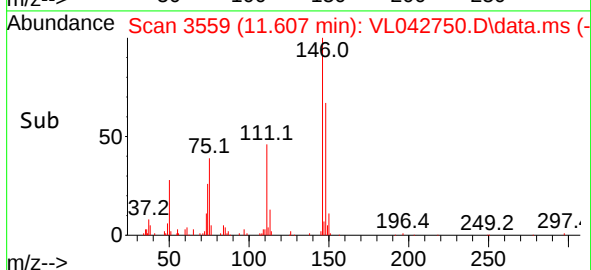
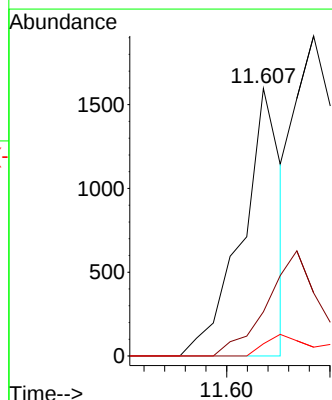
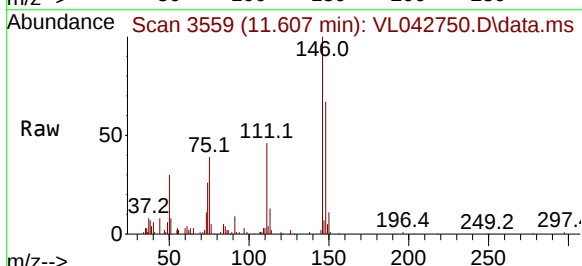
Tgt Ion: 91 Resp: 845

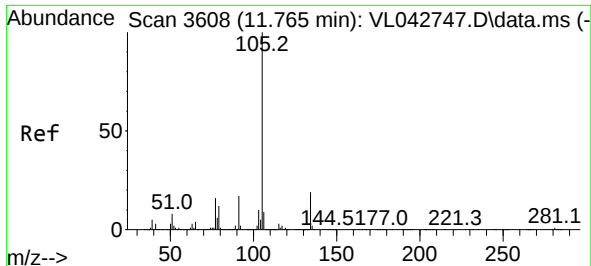
Ion Ratio Lower Upper

91 100

126 57.4 14.4 21.6#

128 15.5 5.2 7.8#

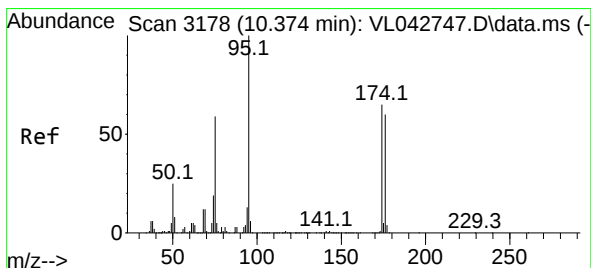
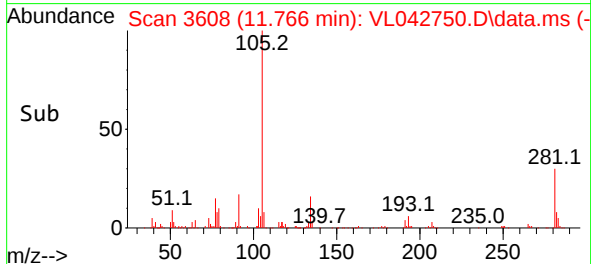
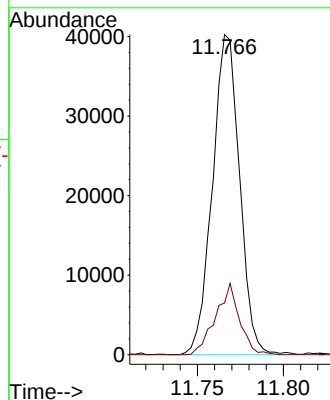
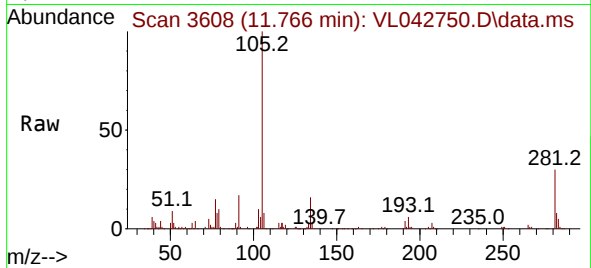




#67
 sec-Butylbenzene
 Concen: 0.460 ppbv
 RT: 11.766 min Scan# 3608
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

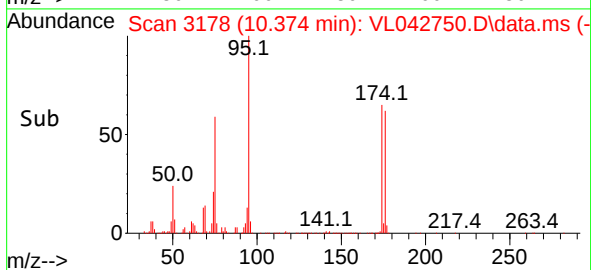
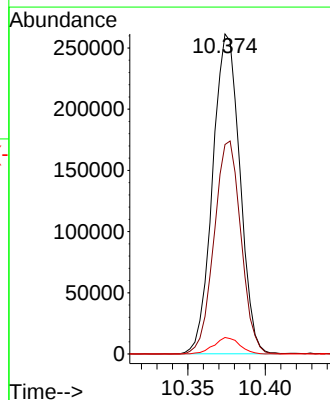
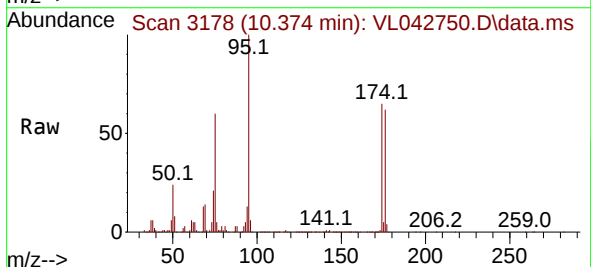
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.5

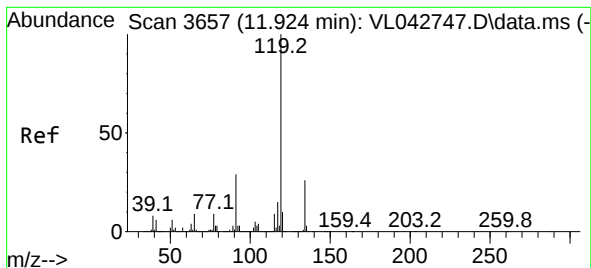
Tgt Ion:105 Resp: 44169
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.869 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.000 min
 Lab File: VL042750.D
 Acq: 23 Jul 2025 10:42

Tgt Ion: 95 Resp: 319353
 Ion Ratio Lower Upper
 95 100
 174 65.8 53.8 80.6
 175 4.9 4.0 6.0





#69

p-Isopropyltoluene

Concen: 0.423 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

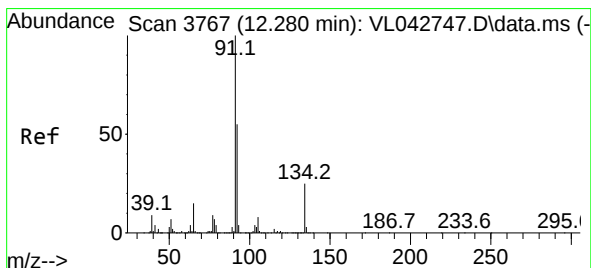
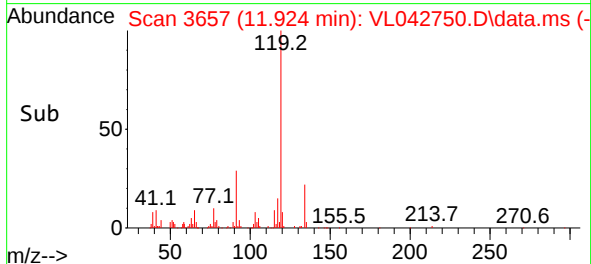
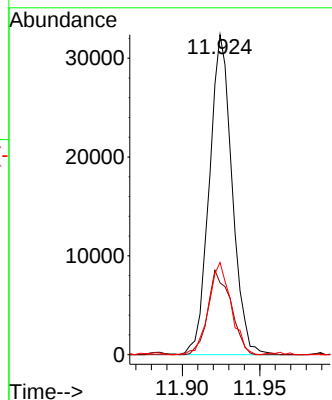
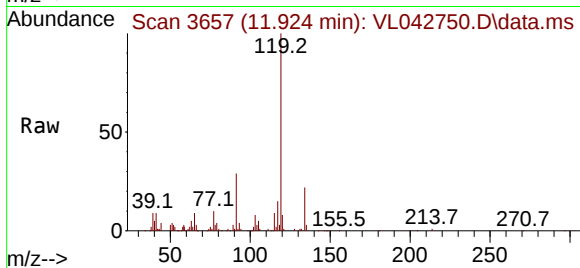
Tgt Ion:119 Resp: 33104

Ion Ratio Lower Upper

119 100

134 26.8 20.6 31.0

91 28.8 23.2 34.8



#70

n-Butylbenzene

Concen: 0.384 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

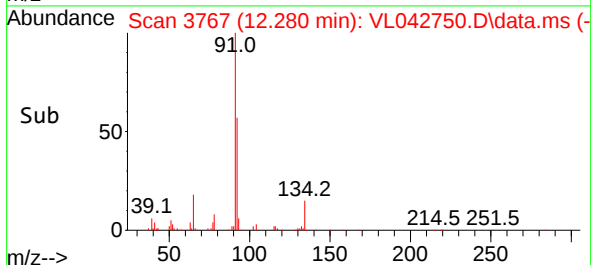
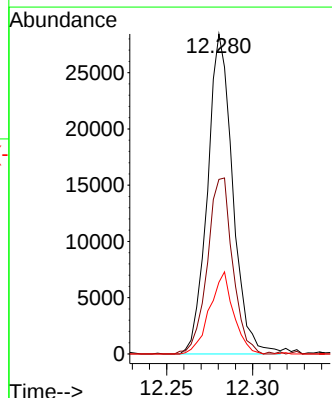
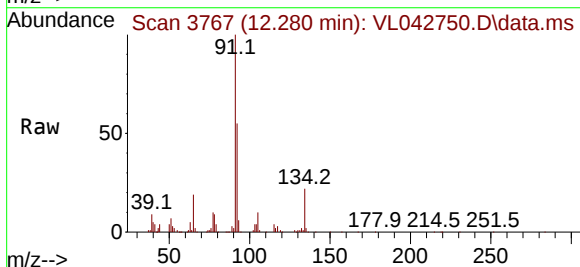
Tgt Ion: 91 Resp: 29048

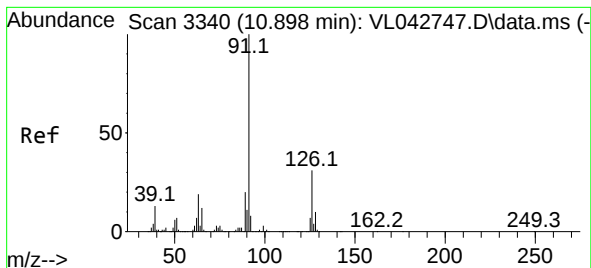
Ion Ratio Lower Upper

91 100

92 55.5 43.4 65.2

134 24.3 19.6 29.4

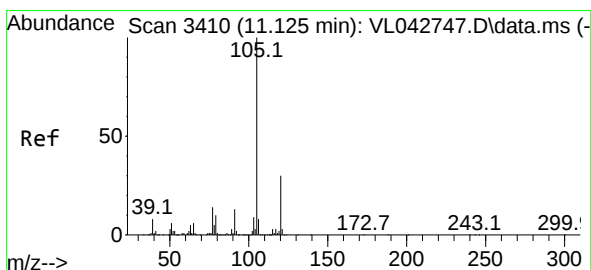
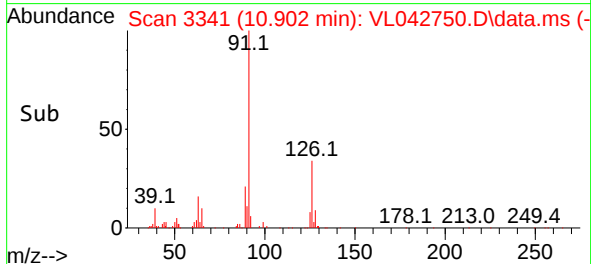
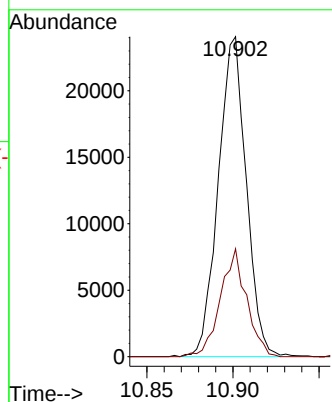
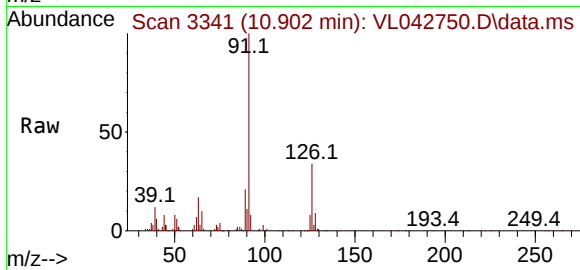




#71
2-Chlorotoluene
Concen: 0.466 ppbv
RT: 10.902 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

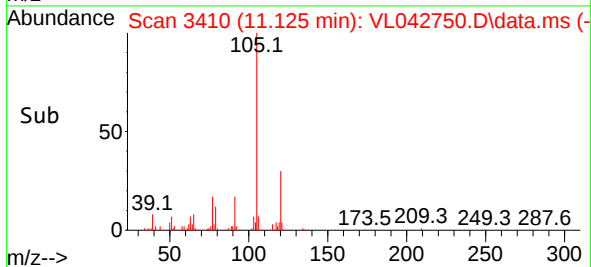
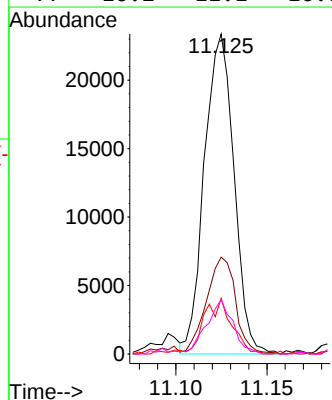
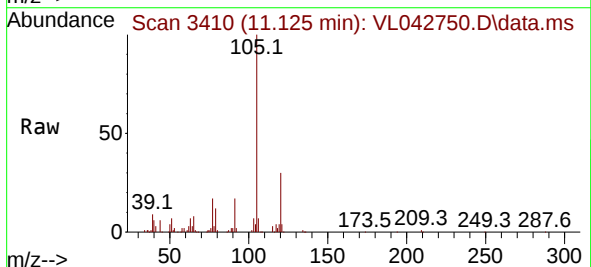
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

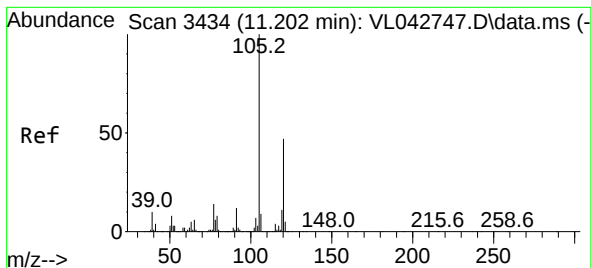
Tgt Ion: 91 Resp: 27184
Ion Ratio Lower Upper
91 100
126 31.7 12.0 48.2



#72
4-Ethyltoluene
Concen: 0.429 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion: 105 Resp: 26395
Ion Ratio Lower Upper
105 100
120 31.6 24.4 36.6
91 17.0 10.6 15.8#
77 16.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.442 ppbv

RT: 11.206 min Scan# 3434

Delta R.T. 0.003 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_1

ClientSampleId :

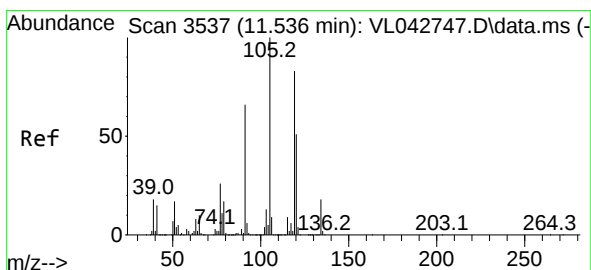
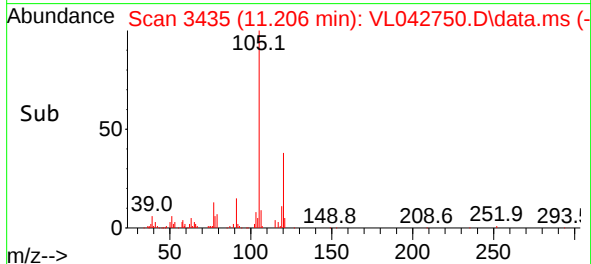
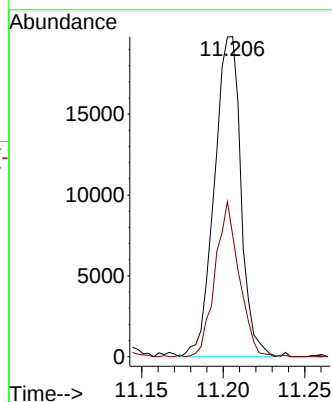
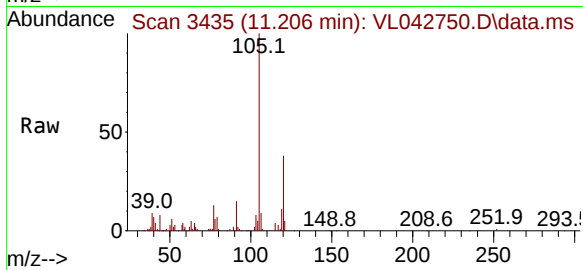
VSTDIC0.5

Tgt Ion:105 Resp: 22392

Ion Ratio Lower Upper

105 100

120 37.5 37.8 56.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.412 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Tgt Ion:105 Resp: 22772

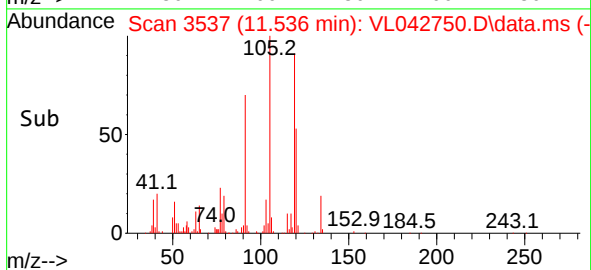
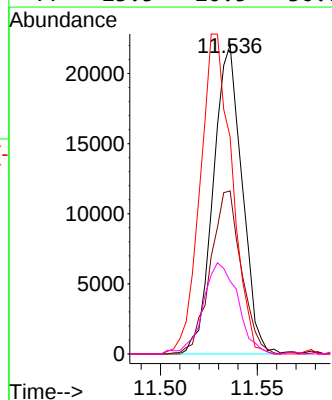
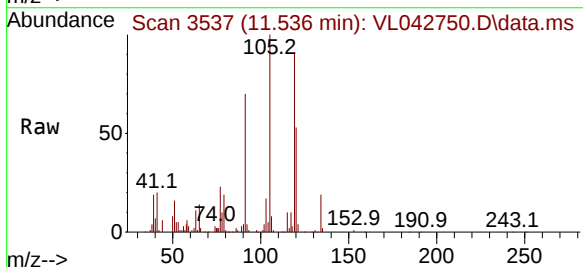
Ion Ratio Lower Upper

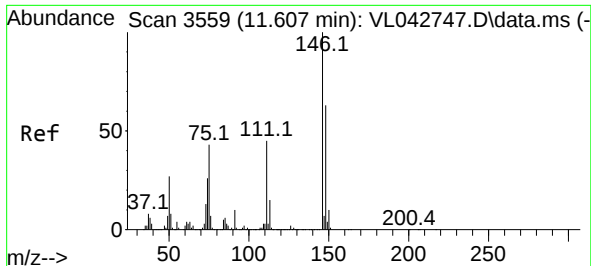
105 100

120 52.7 40.8 61.2

91 70.3 53.0 79.4

77 23.5 20.5 30.7

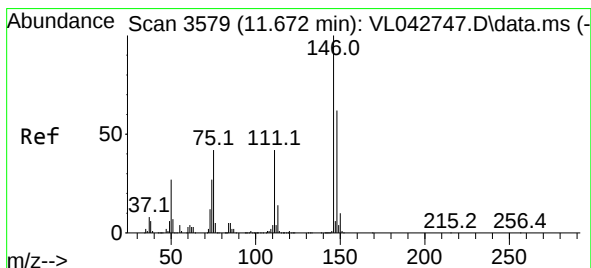
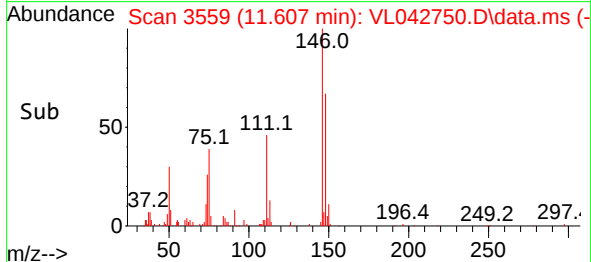
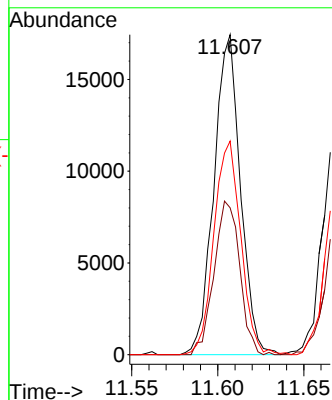
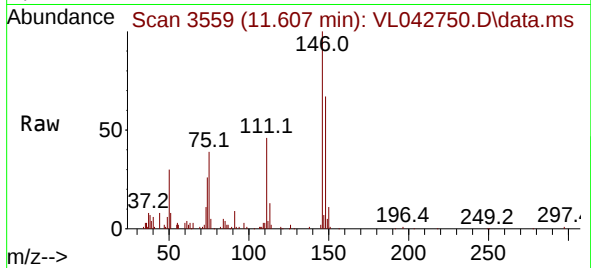




#75
1,3-Dichlorobenzene
Concen: 0.482 ppbv
RT: 11.607 min Scan# 3559
Delta R.T. 0.000 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

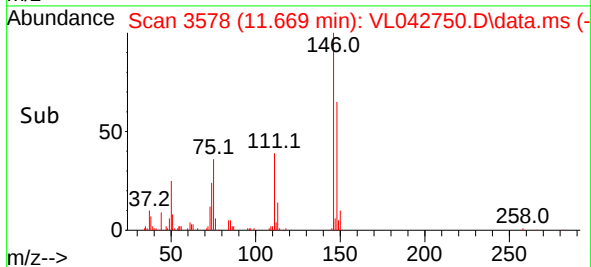
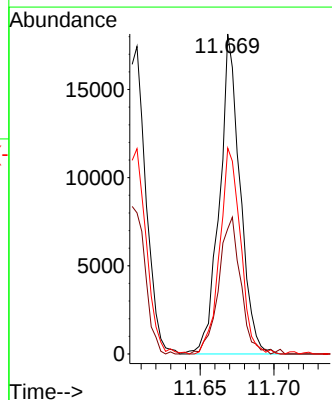
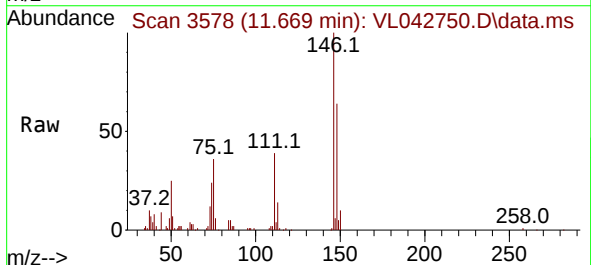
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.5

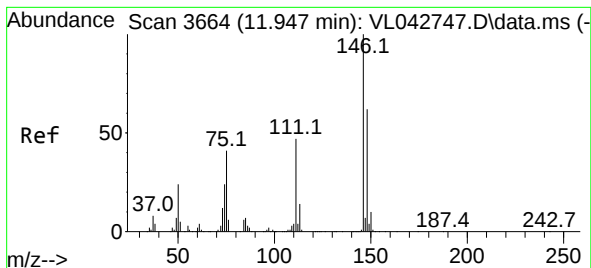
Tgt Ion:146 Resp: 18680
Ion Ratio Lower Upper
146 100
111 46.6 22.7 68.0
148 67.7 31.9 95.5



#76
1,4-Dichlorobenzene
Concen: 0.465 ppbv
RT: 11.669 min Scan# 3578
Delta R.T. -0.003 min
Lab File: VL042750.D
Acq: 23 Jul 2025 10:42

Tgt Ion:146 Resp: 17616
Ion Ratio Lower Upper
146 100
111 45.9 21.4 64.2
148 65.4 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 0.494 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

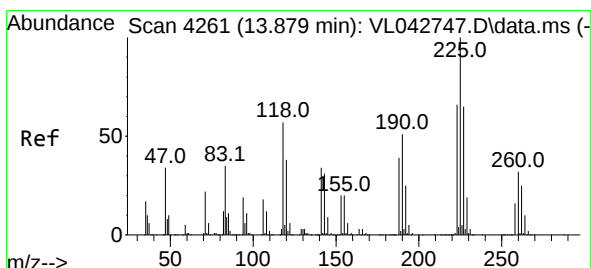
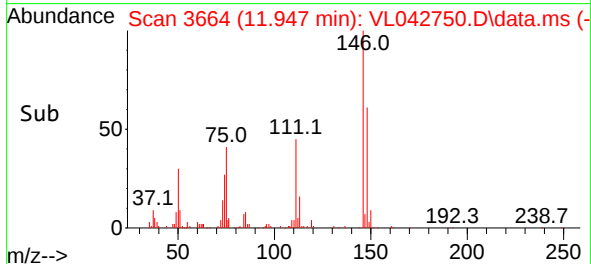
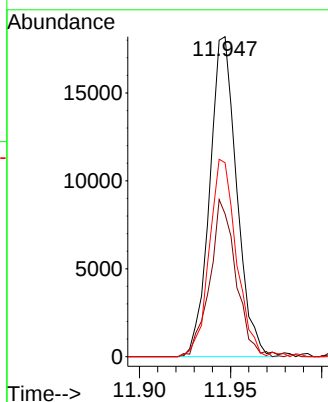
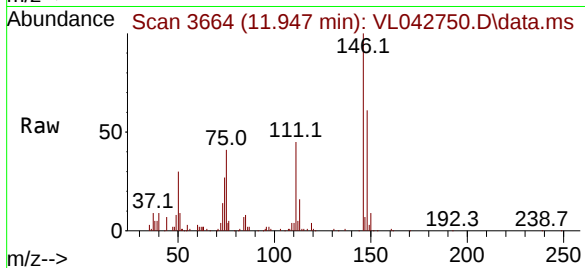
Tgt Ion:146 Resp: 18799

Ion Ratio Lower Upper

146 100

111 47.9 23.7 71.1

148 62.3 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 0.532 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

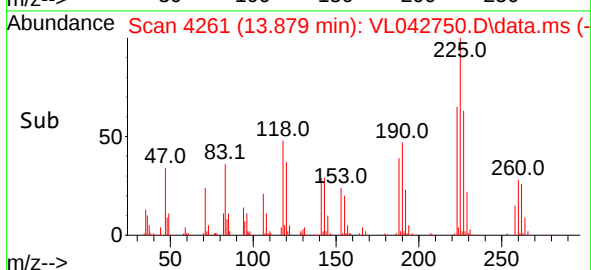
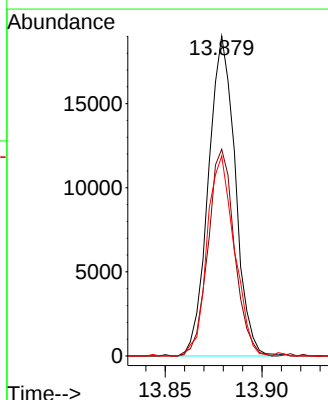
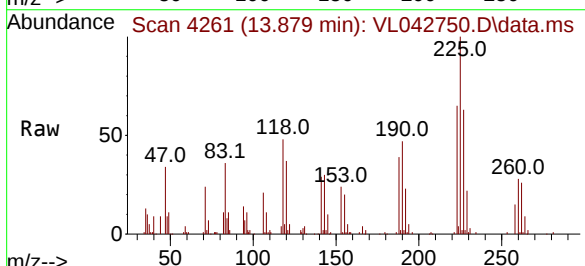
Tgt Ion:225 Resp: 18330

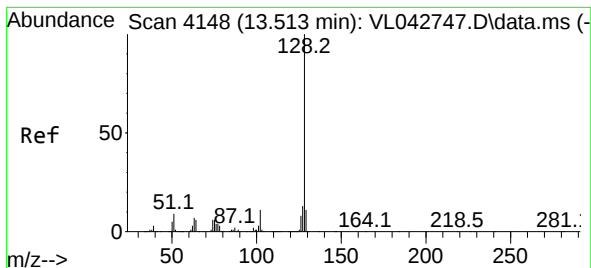
Ion Ratio Lower Upper

225 100

223 63.7 50.7 76.1

227 63.7 50.5 75.7





#79

Naphthalene

Concen: 0.592 ppbv

RT: 13.514 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

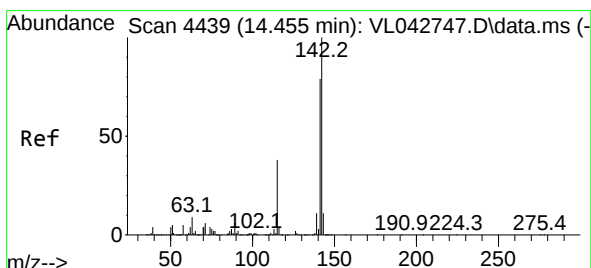
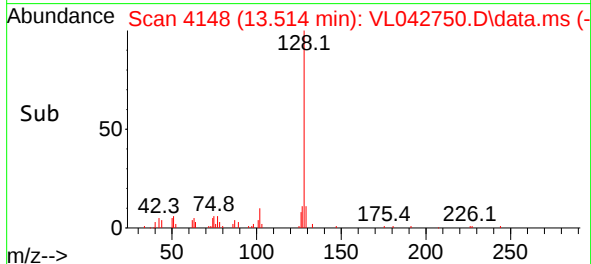
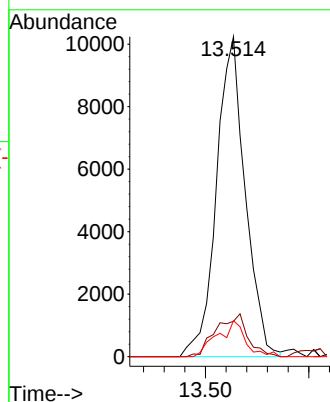
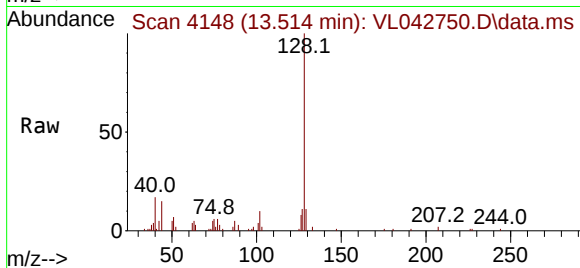
Tgt Ion:128 Resp: 9916

Ion Ratio Lower Upper

128 100

127 11.1 10.5 15.7

129 11.2 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 1.148 ppbv

RT: 14.481 min Scan# 4447

Delta R.T. 0.026 min

Lab File: VL042750.D

Acq: 23 Jul 2025 10:42

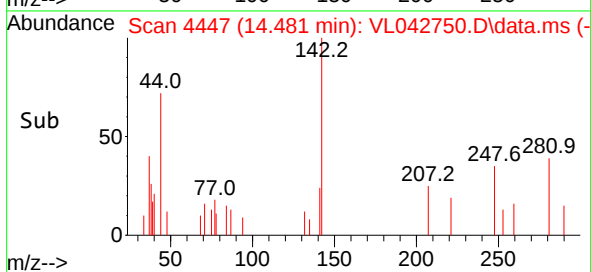
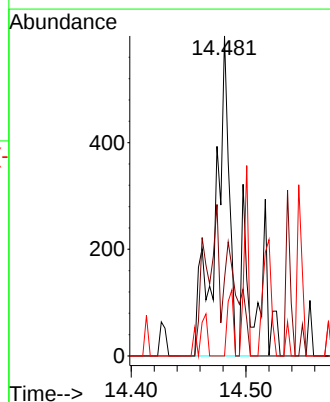
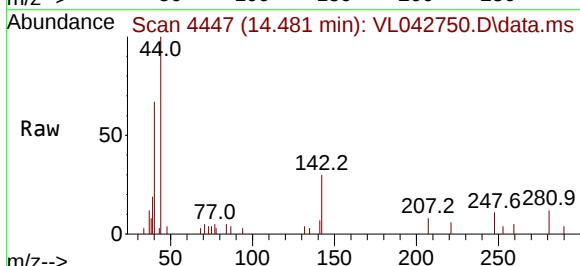
Tgt Ion:142 Resp: 731

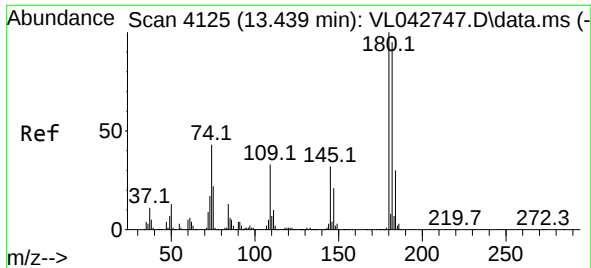
Ion Ratio Lower Upper

142 100

141 54.6 65.8 98.8#

115 5.2 31.2 46.8#





#81

1,2,4-Trichlorobenzene

Concen: 0.645 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042750.D

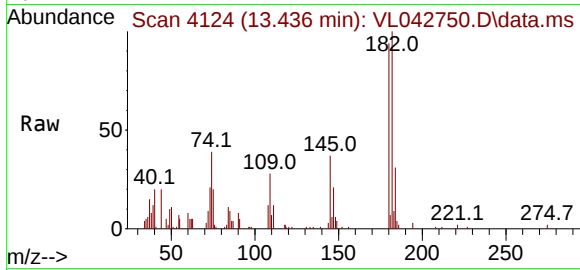
Acq: 23 Jul 2025 10:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5



Tgt Ion:180 Resp: 7453

Ion Ratio Lower Upper

180 100

182 100.9 76.2 114.2

184 33.0 24.8 37.2

