

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042696.D
 Acq On : 02 Jul 2025 12:12
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Quant Time: Jul 03 01:30:42 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:24:10 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	118499	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	296801	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	254532	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	189972	9.703	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.557	85	1100	0.089	ppbv	90
3) Chlorodifluoromethane	1.612	51	331	0.018	ppbv	100
4) Chloromethane	1.534	50	711	0.146	ppbv #	70
5) Vinyl Chloride	1.583	62	582	0.119	ppbv #	84
6) Bromomethane	1.674	94	245	0.112	ppbv	82
7) Chloroethane	1.709	64	206	0.110	ppbv #	86
8) Dichlorotetrafluoroethane	1.557	85	1100	0.107	ppbv #	77
9) Propene	1.486	41	805	0.116	ppbv	91
10) Heptane	4.991	43	1213	0.064	ppbv #	30
11) Trichlorofluoromethane	1.881	101	1702	0.130	ppbv	92
12) 1,1,2-Trichlorotrifluo...	2.146	101	1272	0.123	ppbv	96
13) Ethanol	1.890	45	1054	1.599	ppbv #	37
14) Bromoethene	1.787	108	457	0.127	ppbv #	59
15) Acetone	1.842	43	1924	0.164	ppbv #	82
16) 1,3-Butadiene	1.612	39	979	0.181	ppbv	93
17) tert-Butyl alcohol	2.049	59	1149	0.100	ppbv	98
18) 1,1-Dichloroethene	2.043	96	499	0.108	ppbv #	63
19) Isopropyl Alcohol	1.890	45	1054	0.156	ppbv #	1
20) Methylene Chloride	2.065	84	1398	0.311	ppbv #	85
21) Allyl Chloride	2.104	41	984	0.120	ppbv #	66
22) trans-1,2-Dichloroethene	2.350	96	599	0.120	ppbv #	90
23) Vinyl Acetate	2.467	43	2350	0.124	ppbv #	77
24) 1,1-Dichloroethane	2.415	63	1146	0.111	ppbv	98
25) Ethyl Acetate	2.845	43	3736	0.105	ppbv #	95
26) Hexane	2.836	57	1177	0.079	ppbv #	47
27) Carbon Disulfide	2.159	76	1316	0.109	ppbv #	1
28) Methyl tert-Butyl Ether	2.454	73	668	0.110	ppbv	92
29) Chloroform	2.858	83	2591	0.116	ppbv	88
30) Cyclohexane	3.871	84	889	0.079	ppbv #	76
31) cis-1,2-Dichloroethene	2.725	61	1664	0.118	ppbv #	83
32) 1,1,1-Trichloroethane	3.379	97	2244	0.105	ppbv	90
34) 2-Butanone	2.570	43	2534	0.108	ppbv	93
35) Carbon Tetrachloride	3.774	117	1881	0.091	ppbv #	84
36) Benzene	3.671	78	3781	0.126	ppbv	97
37) 1,2-Dichloroethane	3.230	62	2054	0.129	ppbv #	92
38) Trichloroethene	4.554	130	654	0.051	ppbv #	60
39) 1,2-Dichloropropane	3.968	63	75431	6.463	ppbv #	22
40) 1,4-Dioxane	4.622	88	159	0.035	ppbv #	1
41) Tetrahydrofuran	3.075	42	1002	0.084	ppbv #	85
42) Bromodichloromethane	4.499	83	1286	0.057	ppbv	88
43) Methyl Methacrylate	4.888	69	231	0.024	ppbv #	1
44) 2,2,4-Trimethylpentane	4.654	57	3726	0.075	ppbv #	62
45) t-1,3-Dichloropropene	6.425	75	397	0.039	ppbv	91

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

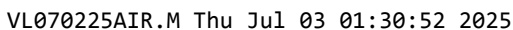
Instrument :
 MSVOA_L
 ClientSampleId :
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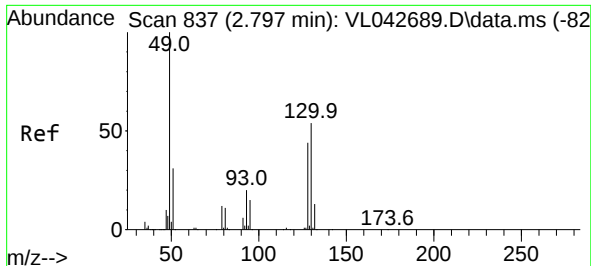
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:24:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.619	75	354	0.025	ppbv #	50
47) 1,1,2-Trichloroethane	6.587	97	165	0.014	ppbv #	60
48) Dibromochloromethane	7.402	129	1457	0.083	ppbv	70
49) Bromoform	9.487	173	517	0.034	ppbv #	1
50) 4-Methyl-2-Pentanone	5.781	43	987	0.036	ppbv #	16
52) Tetrachloroethene	8.241	164	1191	0.119	ppbv #	61
53) Toluene	6.943	91	1082	0.039	ppbv #	16
54) 1,2-Dibromoethane	7.665	107	1652	0.103	ppbv	98
56) 1,1,1,2-Tetrachloroethane	8.943	131	663	0.048	ppbv #	1
57) Chlorobenzene	8.930	112	2569	0.101	ppbv #	87
58) Ethyl Benzene	9.568	91	1032	0.028	ppbv	92
59) m/p-Xylene	9.545	91	751	0.024	ppbv #	1
60) o-Xylene	9.979	91	1562	0.052	ppbv	79
61) Styrene	9.882	104	836	0.070	ppbv	92
62) Isopropylbenzene	10.548	105	3766	0.082	ppbv	96
63) 1,1,2,2-Tetrachloroethane	9.972	83	2116	0.091	ppbv #	79
64) n-propylbenzene	10.998	120	578	0.049	ppbv #	61
65) tert-Butylbenzene	11.539	119	2097	0.054	ppbv #	81
66) Benzyl Chloride	11.620	91	66	0.017	ppbv #	64
67) sec-Butylbenzene	11.772	105	3817	0.064	ppbv	94
69) p-Isopropyltoluene	11.937	119	2580	0.054	ppbv	97
70) n-Butylbenzene	12.293	91	2503	0.052	ppbv #	87
71) 2-Chlorotoluene	10.908	91	2631	0.078	ppbv	92
72) 4-Ethyltoluene	11.134	105	2230	0.060	ppbv #	93
73) 1,3,5-Trimethylbenzene	11.209	105	1240	0.040	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	1958	0.055	ppbv #	84
75) 1,3-Dichlorobenzene	11.613	146	1751	0.070	ppbv	87
76) 1,4-Dichlorobenzene	11.681	146	1695	0.072	ppbv	98
77) 1,2-Dichlorobenzene	11.953	146	2020	0.080	ppbv	97
78) Hexachloro-1,3-Butadiene	13.885	225	2329	0.119	ppbv	98
79) Naphthalene	13.520	128	1697	0.058	ppbv #	94
80) Naphthalene,2-methyl-	14.478	142	659	0.053	ppbv	92
81) 1,2,4-Trichlorobenzene	13.445	180	1233	0.071	ppbv #	78

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

Quant Time: Jul 03 01:30:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jul 03 01:24:10 2025
Response via : Initial Calibration

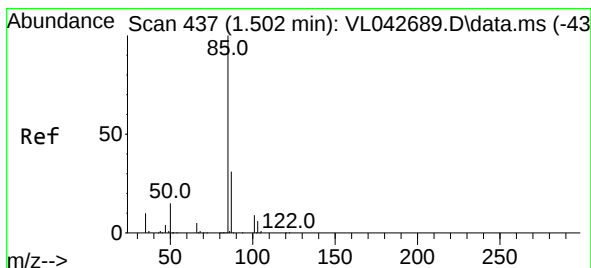
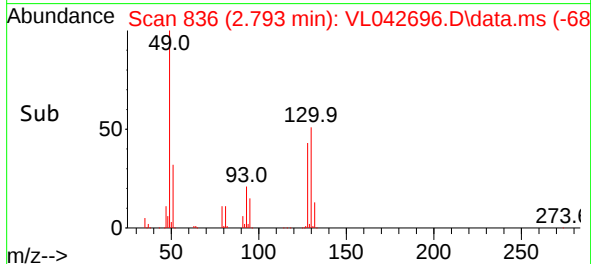
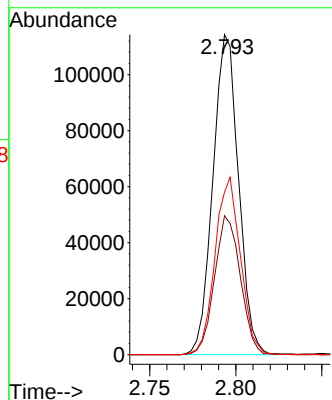
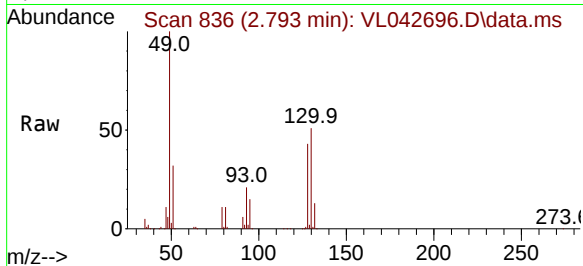




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

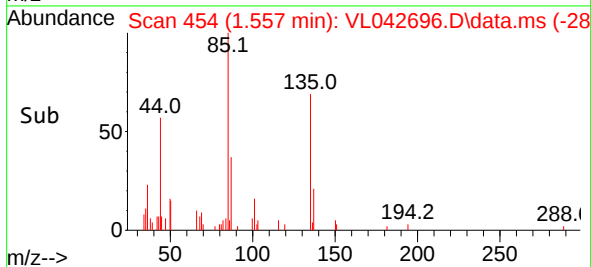
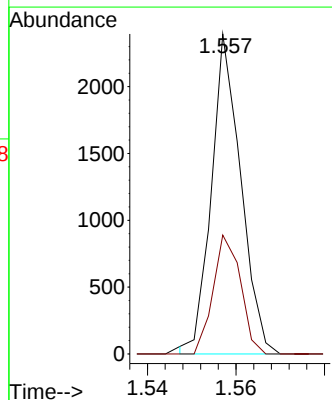
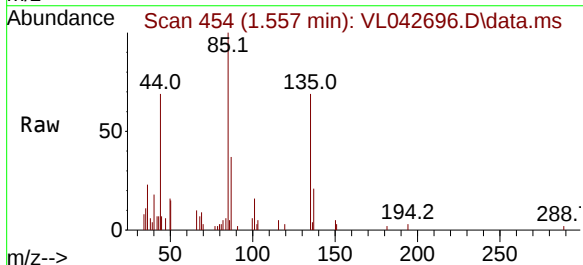
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

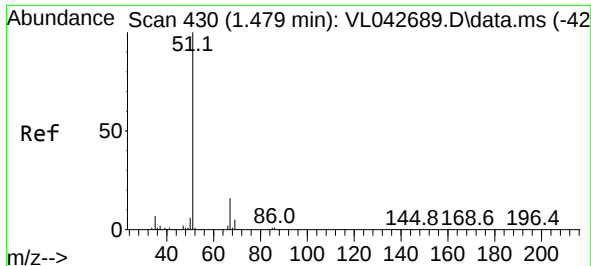
Tgt Ion: 49 Resp: 118499
Ion Ratio Lower Upper
49 100
128 43.8 21.4 64.2
130 55.0 28.0 84.0



#2
Dichlorodifluoromethane
Concen: 0.089 ppbv
RT: 1.557 min Scan# 454
Delta R.T. 0.055 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 85 Resp: 1100
Ion Ratio Lower Upper
85 100
87 37.1 25.1 37.7





#3

Chlorodifluoromethane

Concen: 0.018 ppbv

RT: 1.612 min Scan# 41

Delta R.T. 0.133 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_1

ClientSampleId :

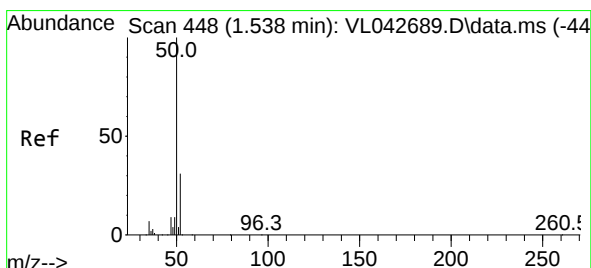
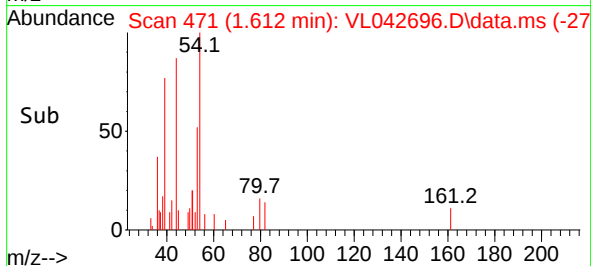
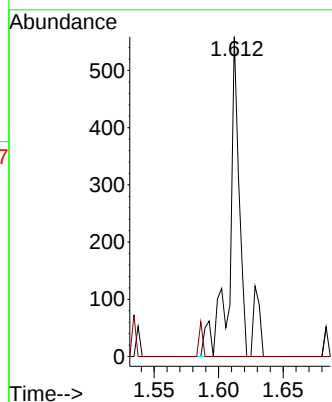
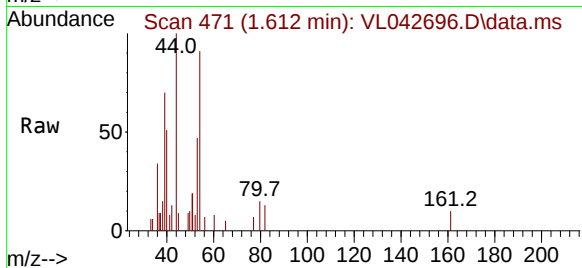
VSTDIC0.1

Tgt Ion: 51 Resp: 331

Ion Ratio Lower Upper

51 100

67 16.3 13.1 19.7



#4

Chloromethane

Concen: 0.146 ppbv

RT: 1.534 min Scan# 447

Delta R.T. -0.003 min

Lab File: VL042696.D

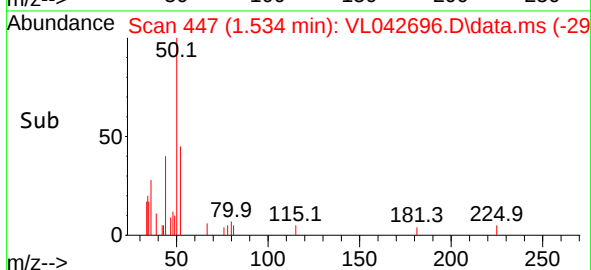
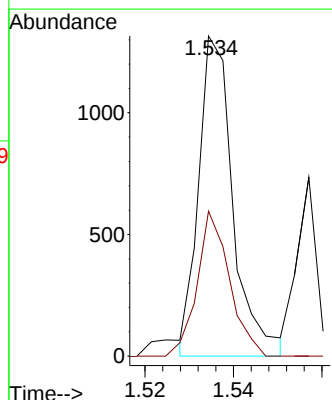
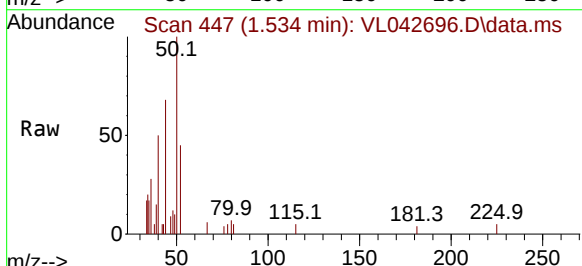
Acq: 02 Jul 2025 12:12

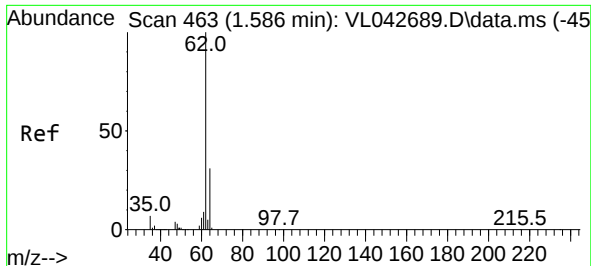
Tgt Ion: 50 Resp: 711

Ion Ratio Lower Upper

50 100

52 47.6 24.8 37.2#

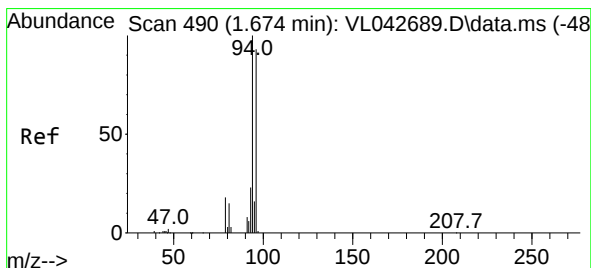
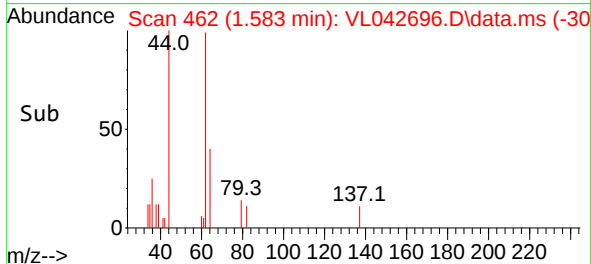
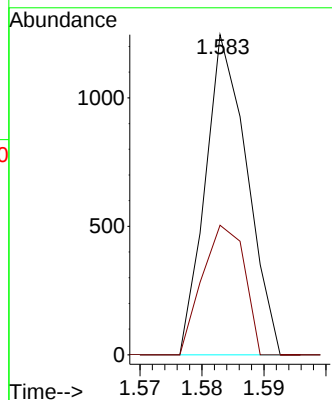
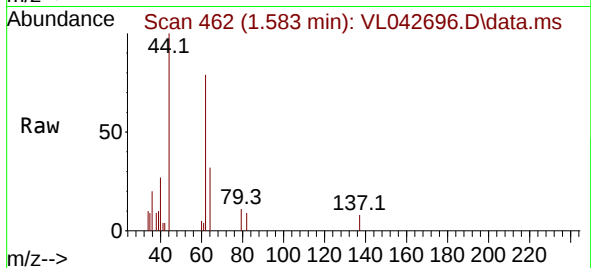




#5
 Vinyl Chloride
 Concen: 0.119 ppbv
 RT: 1.583 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

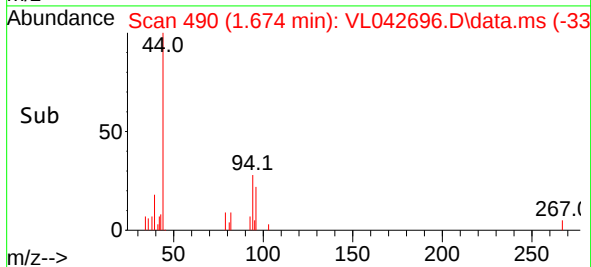
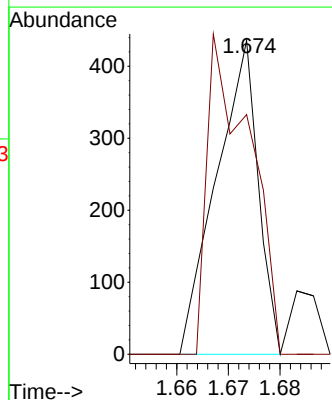
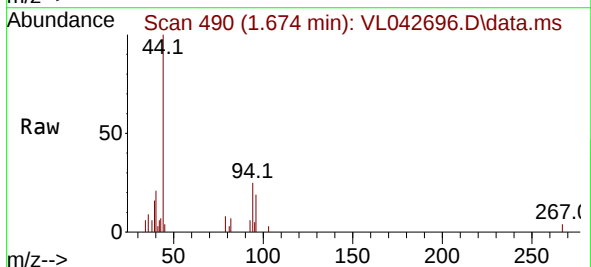
Instrument :
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 ClientSampleId :
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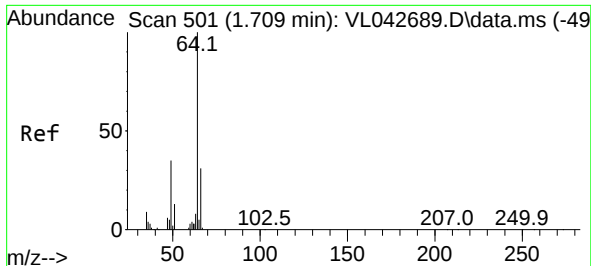
Tgt Ion: 62 Resp: 582
 Ion Ratio Lower Upper
 62 100
 64 40.4 25.1 37.7#



#6
 Bromomethane
 Concen: 0.112 ppbv
 RT: 1.674 min Scan# 490
 Delta R.T. -0.000 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

Tgt Ion: 94 Resp: 245
 Ion Ratio Lower Upper
 94 100
 96 76.4 74.6 112.0

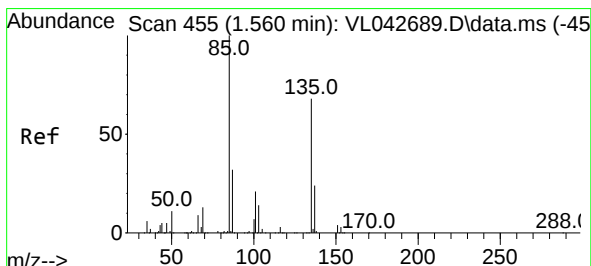
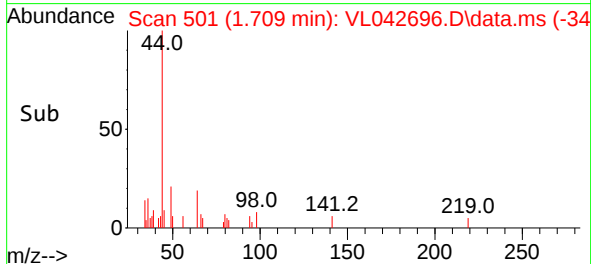
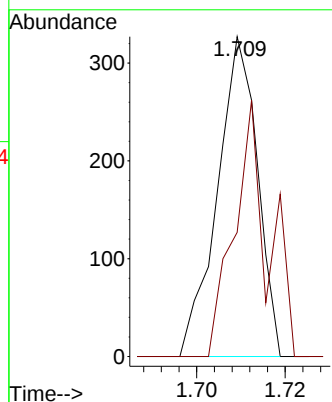
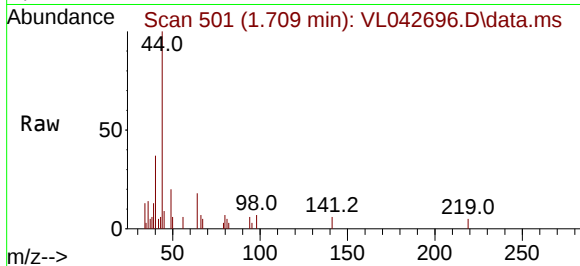




#7
Chloroethane
Concen: 0.110 ppbv
RT: 1.709 min Scan# 501
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

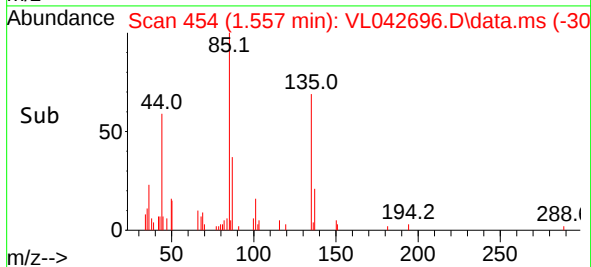
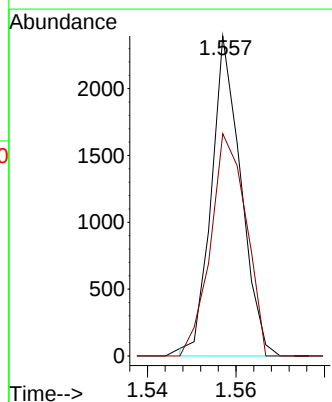
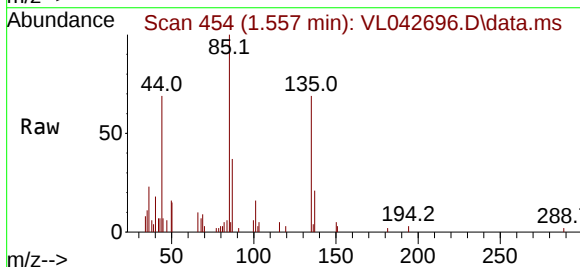
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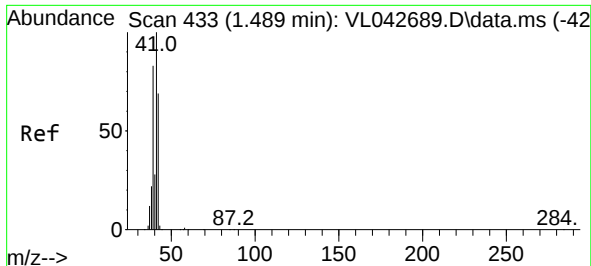
Tgt Ion: 64 Resp: 206
Ion Ratio Lower Upper
64 100
66 38.8 24.7 37.1#



#8
Dichlorotetrafluoroethane
Concen: 0.107 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 85 Resp: 1100
Ion Ratio Lower Upper
85 100
135 84.1 52.6 79.0#

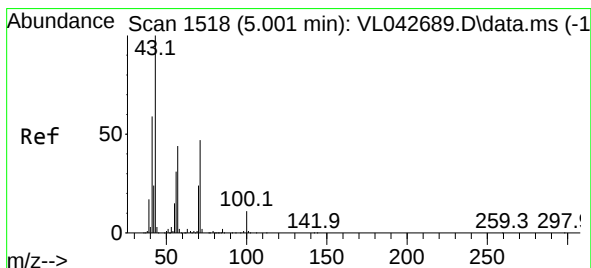
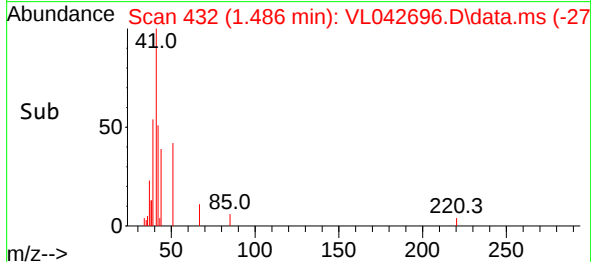
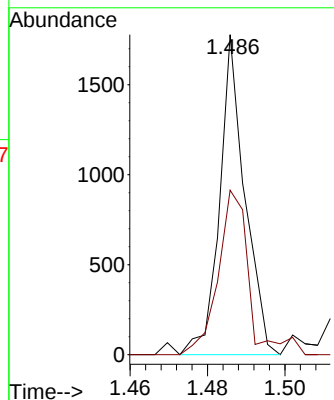
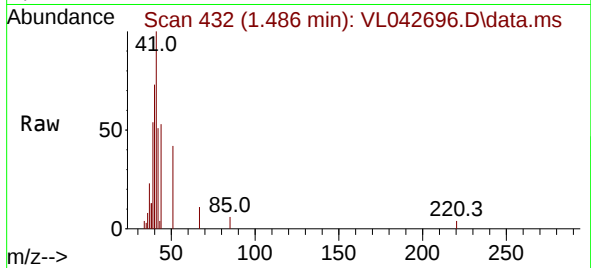




#9
Propene
Concen: 0.116 ppbv
RT: 1.486 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

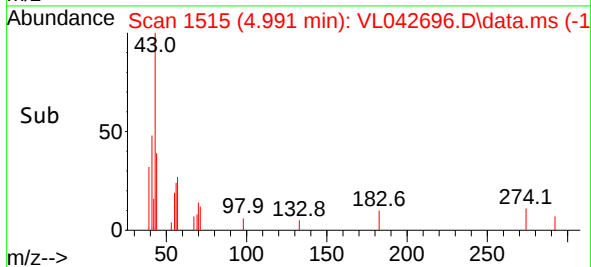
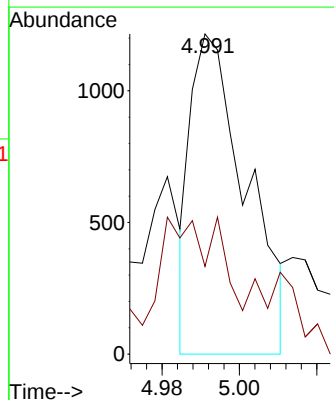
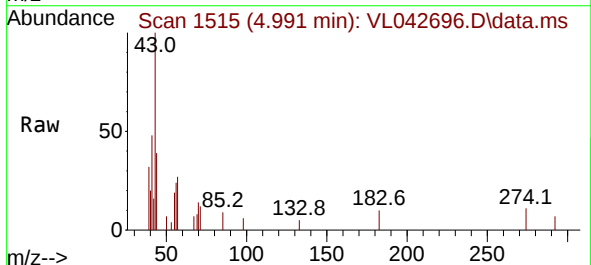
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

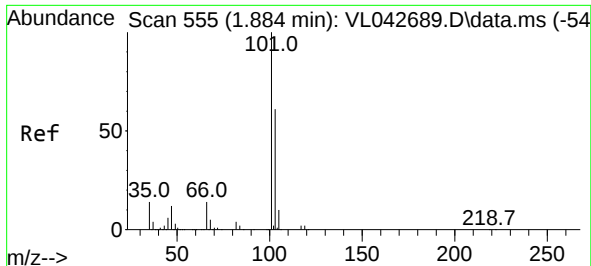
Tgt Ion: 41 Resp: 805
Ion Ratio Lower Upper
41 100
42 62.5 55.6 83.4



#10
Heptane
Concen: 0.064 ppbv
RT: 4.991 min Scan# 1515
Delta R.T. -0.010 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 43 Resp: 1213
Ion Ratio Lower Upper
43 100
57 0.0 37.4 56.0#

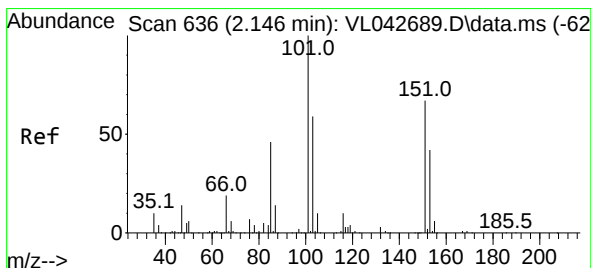
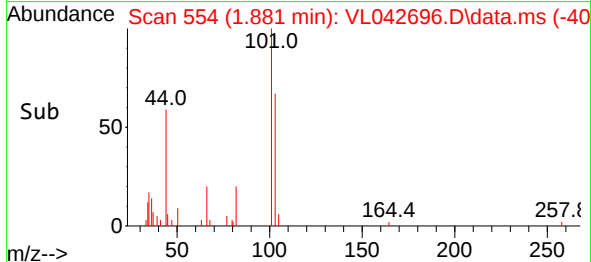
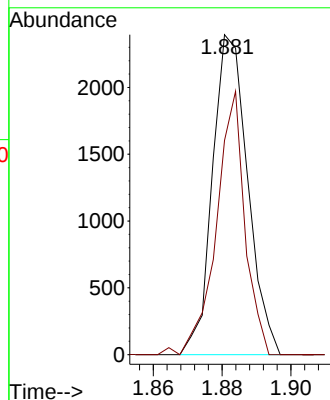
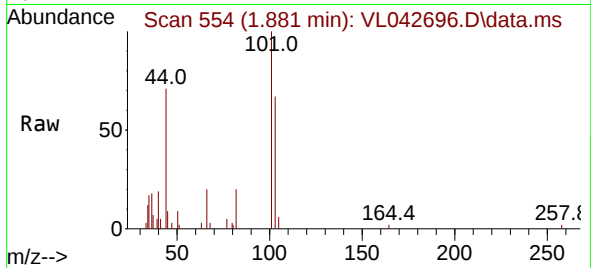




#11
 Trichlorofluoromethane
 Concen: 0.130 ppbv
 RT: 1.881 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

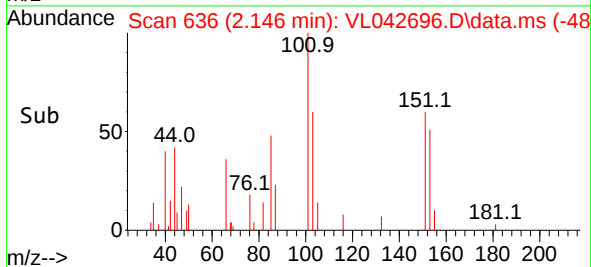
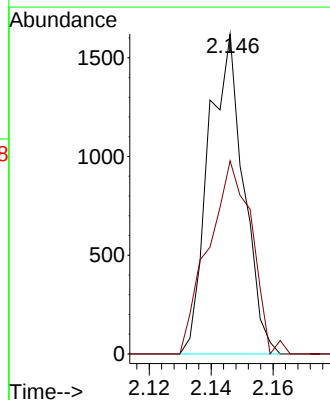
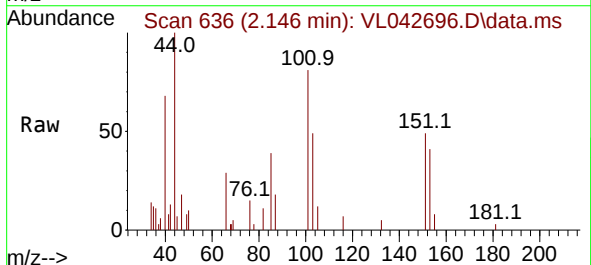
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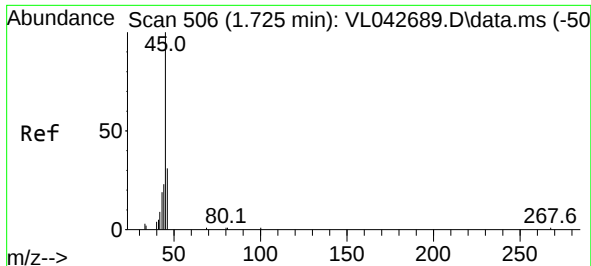
Tgt Ion:101 Resp: 1702
 Ion Ratio Lower Upper
 101 100
 103 66.9 48.9 73.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.123 ppbv
 RT: 2.146 min Scan# 636
 Delta R.T. -0.000 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

Tgt Ion:101 Resp: 1272
 Ion Ratio Lower Upper
 101 100
 151 74.4 56.6 84.8

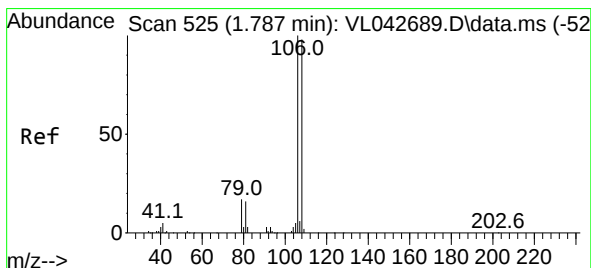
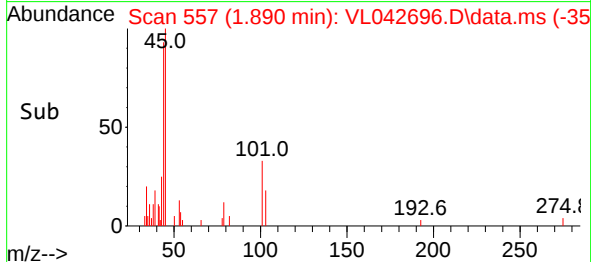
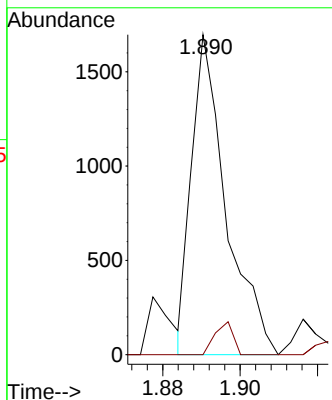
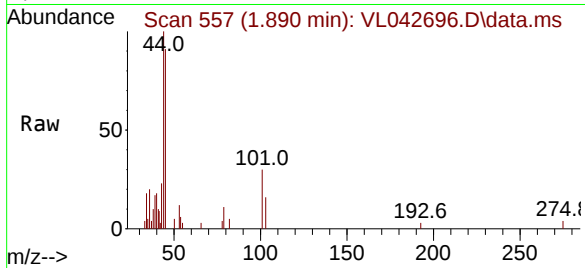




#13
Ethanol
Concen: 1.599 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.165 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

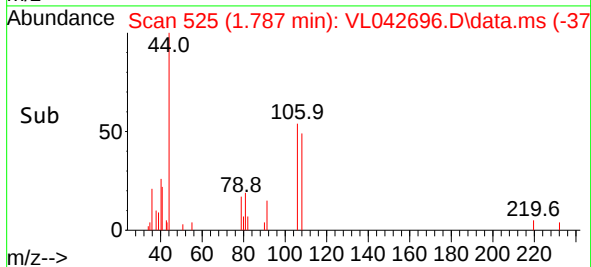
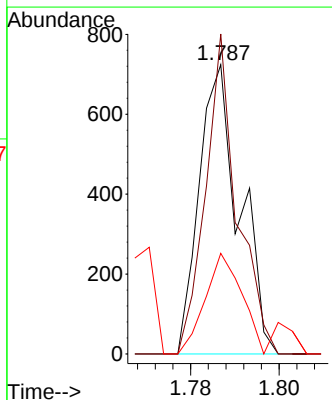
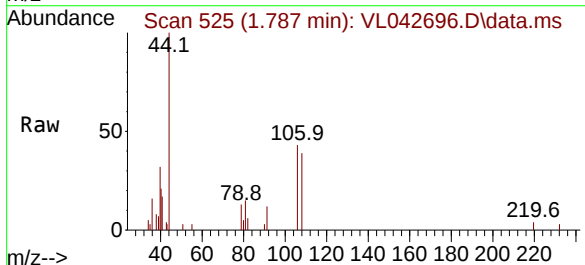
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

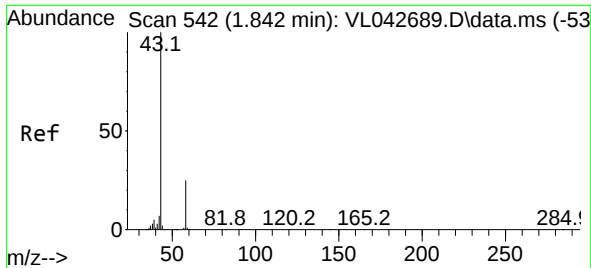
Tgt Ion: 45 Resp: 1054
Ion Ratio Lower Upper
45 100
46 0.0 15.2 60.8#



#14
Bromoethene
Concen: 0.127 ppbv
RT: 1.787 min Scan# 525
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion:108 Resp: 457
Ion Ratio Lower Upper
108 100
106 86.9 85.9 128.9
79 93.2 14.5 21.7#

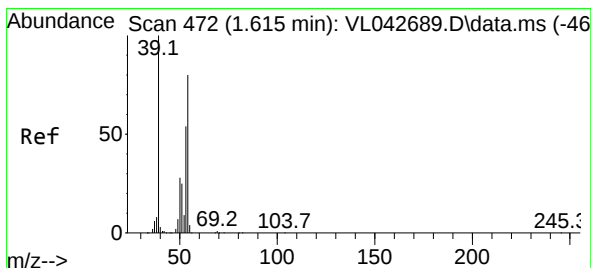
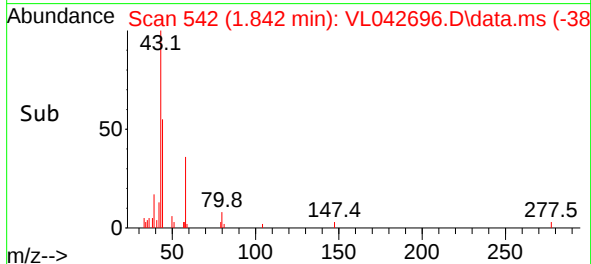
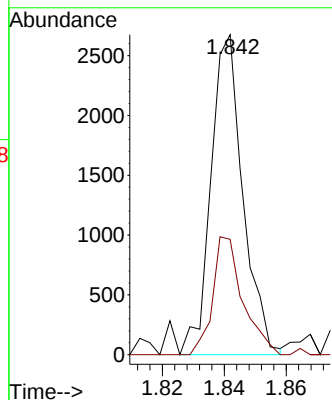
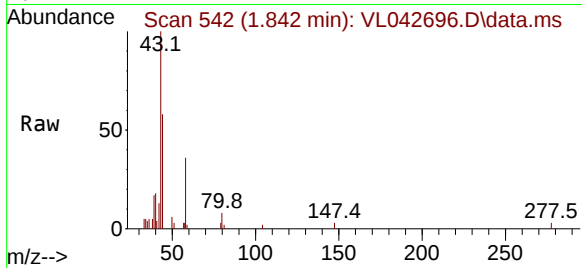




#15
Acetone
Concen: 0.164 ppbv
RT: 1.842 min Scan# 541
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

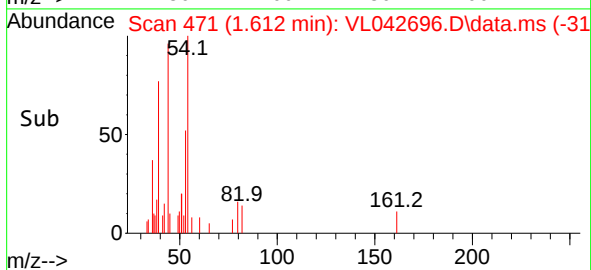
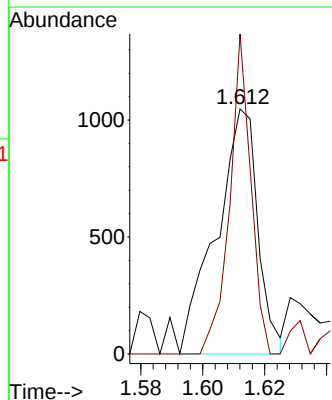
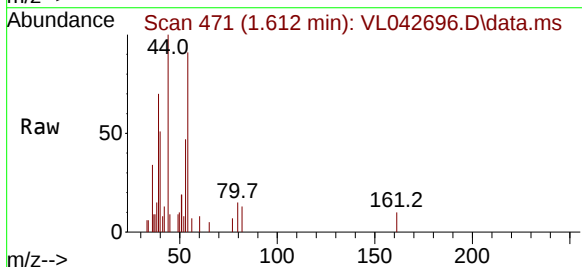
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

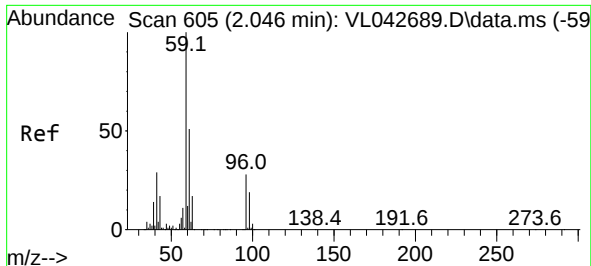
Tgt Ion: 43 Resp: 1924
Ion Ratio Lower Upper
43 100
58 35.1 20.6 31.0#



#16
1,3-Butadiene
Concen: 0.181 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 39 Resp: 979
Ion Ratio Lower Upper
39 100
54 74.4 54.9 82.3





#17

tert-Butyl alcohol

Concen: 0.100 ppbv

RT: 2.049 min Scan# 605

Delta R.T. 0.003 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_1

ClientSampleId :

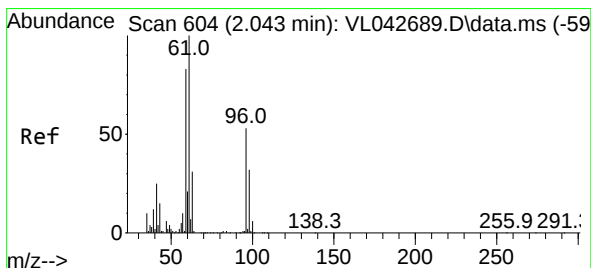
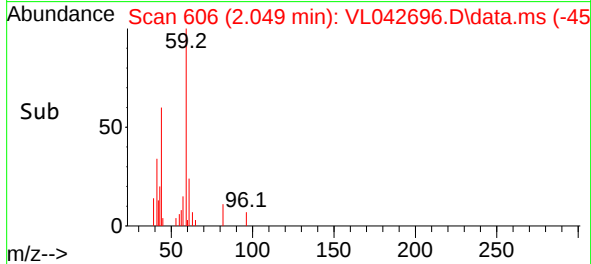
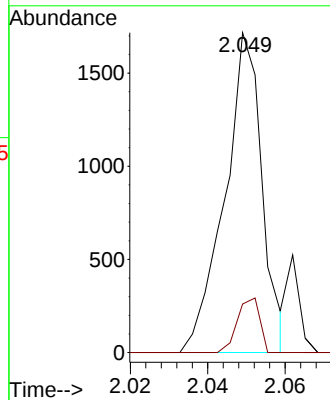
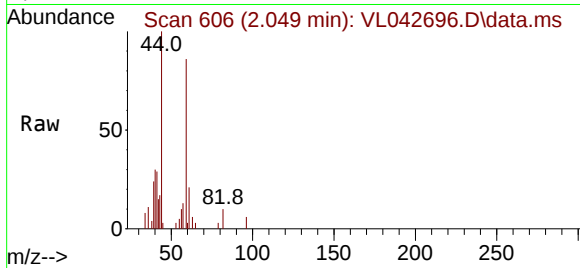
VSTDIC0.1

Tgt Ion: 59 Resp: 1149

Ion Ratio Lower Upper

59 100

57 10.3 8.8 13.2



#18

1,1-Dichloroethene

Concen: 0.108 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

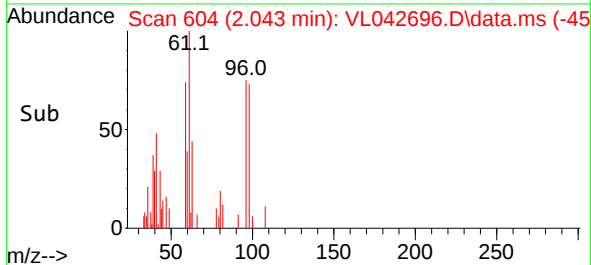
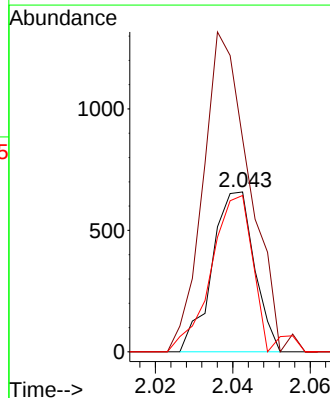
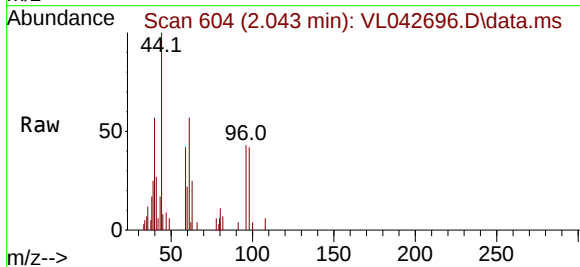
Tgt Ion: 96 Resp: 499

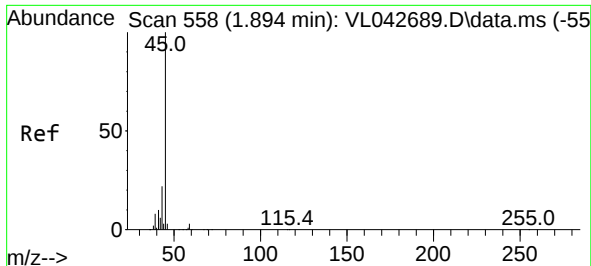
Ion Ratio Lower Upper

96 100

61 133.3 151.0 226.6#

98 88.3 49.0 73.4#

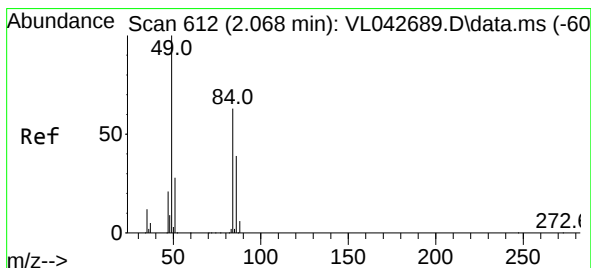
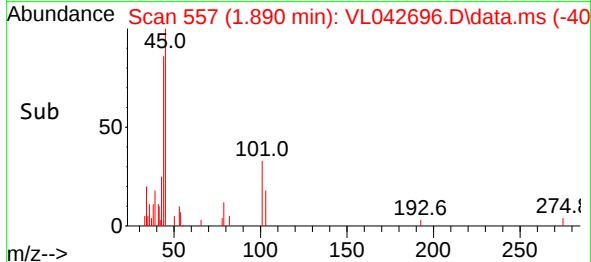
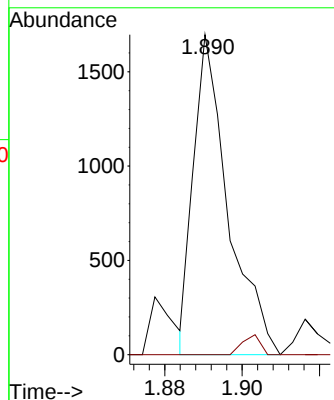
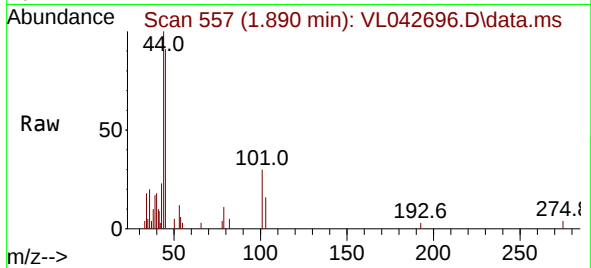




#19
Isopropyl Alcohol
Concen: 0.156 ppbv
RT: 1.890 min Scan# 511
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

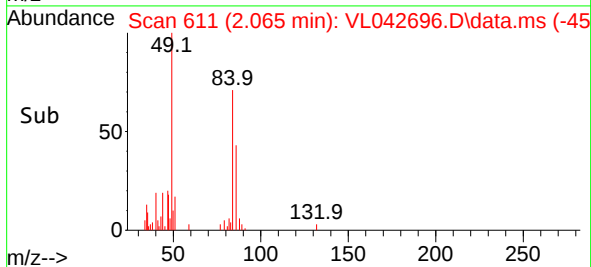
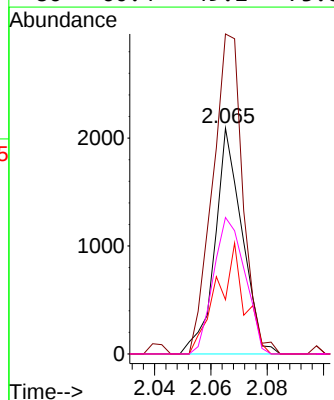
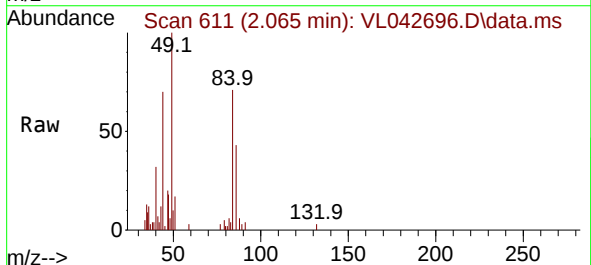
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

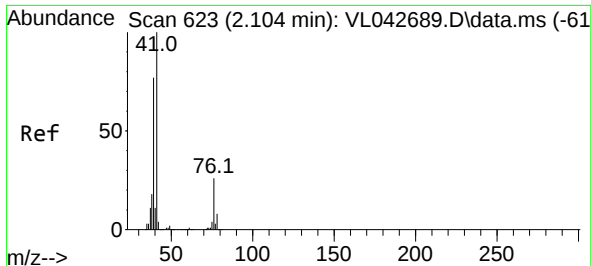
Tgt Ion: 45 Resp: 1054
Ion Ratio Lower Upper
45 100
58 64.1 1.4 2.2#



#20
Methylene Chloride
Concen: 0.311 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 84 Resp: 1398
Ion Ratio Lower Upper
84 100
49 141.7 128.6 193.0
51 24.0 37.4 56.2#
86 60.4 49.2 73.8

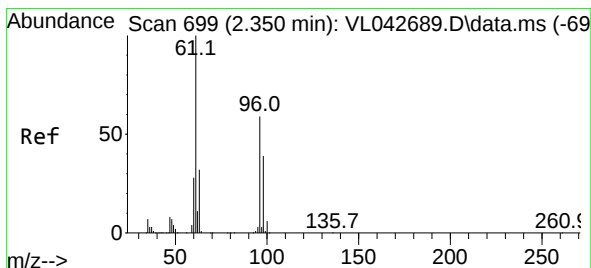
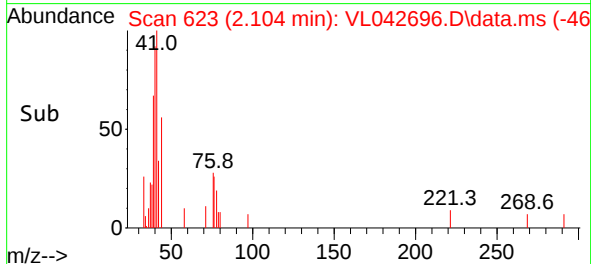
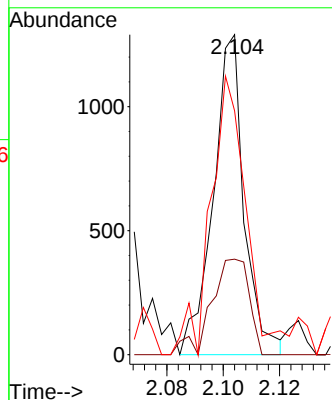
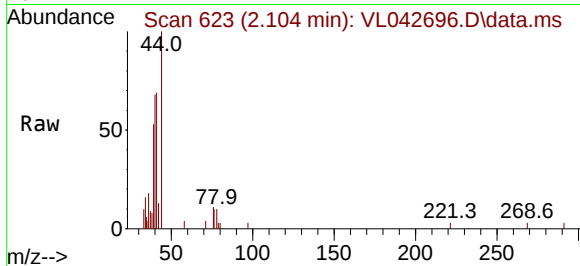




#21
 Allyl Chloride
 Concen: 0.120 ppbv
 RT: 2.104 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

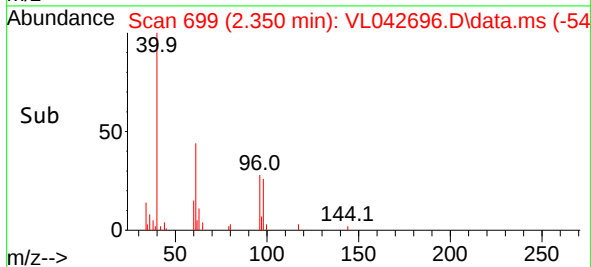
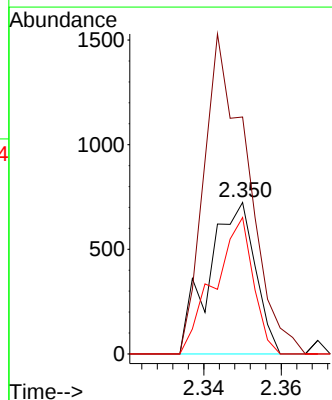
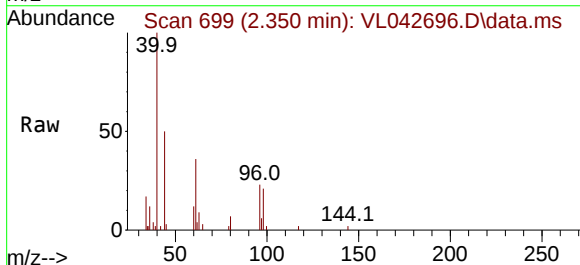
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

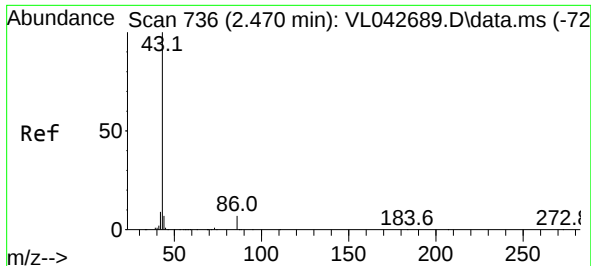
Tgt Ion: 41 Resp: 984
 Ion Ratio Lower Upper
 41 100
 76 36.6 21.7 32.5#
 39 113.8 63.4 95.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.120 ppbv
 RT: 2.350 min Scan# 699
 Delta R.T. -0.000 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

Tgt Ion: 96 Resp: 599
 Ion Ratio Lower Upper
 96 100
 61 173.5 136.5 204.7
 98 90.1 53.5 80.3#

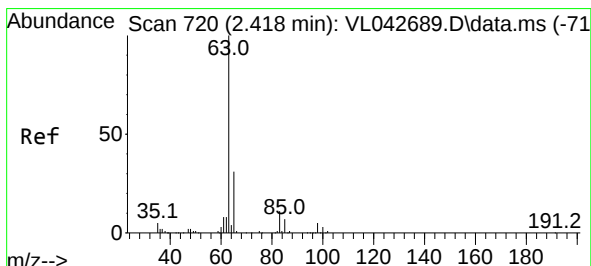
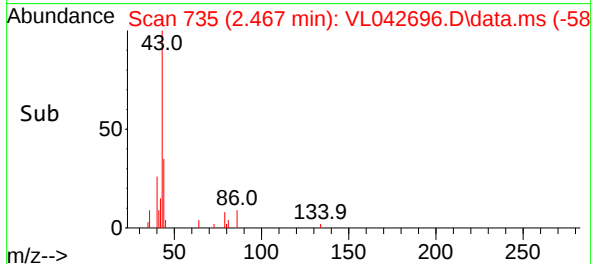
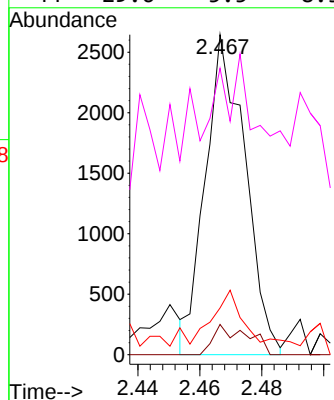
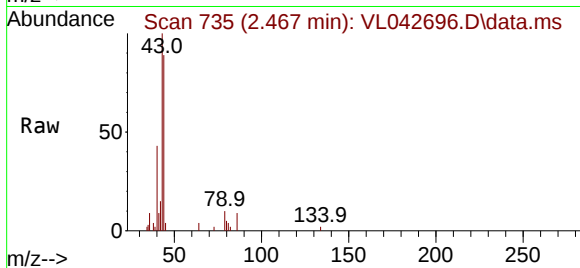




#23
 Vinyl Acetate
 Concen: 0.124 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

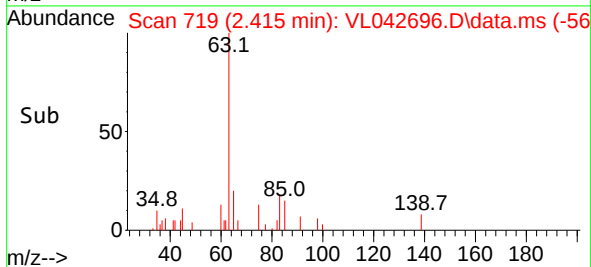
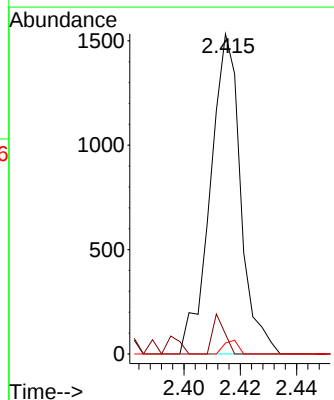
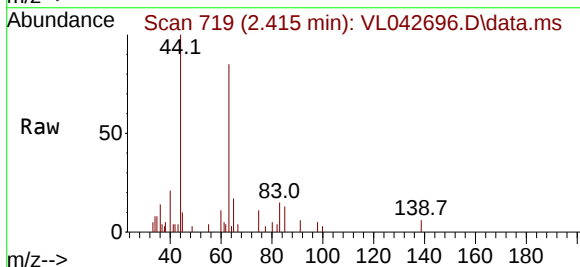
Instrument :
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 ClientSampleId :
 VSTDIC0.1

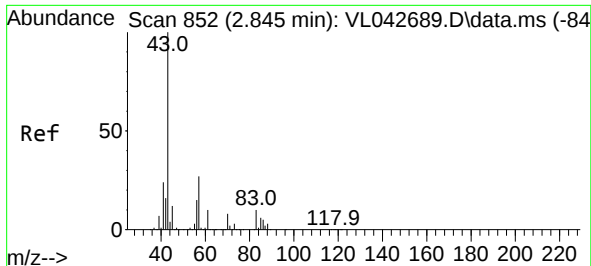
Tgt Ion:	43	Resp:	2350
Ion	Ratio	Lower	Upper
43	100		
86	9.7	5.8	8.6#
42	10.3	7.2	10.8
44	29.6	5.5	8.3#



#24
 1,1-Dichloroethane
 Concen: 0.111 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

Tgt Ion:	63	Resp:	1146
Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.5	7.6
100	3.4	1.7	5.0

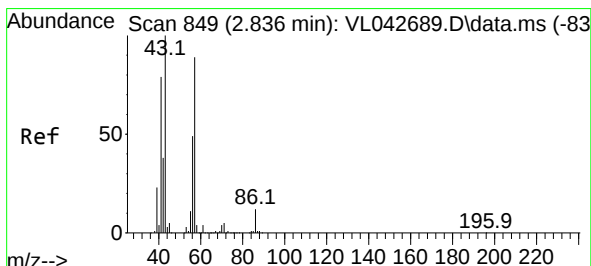
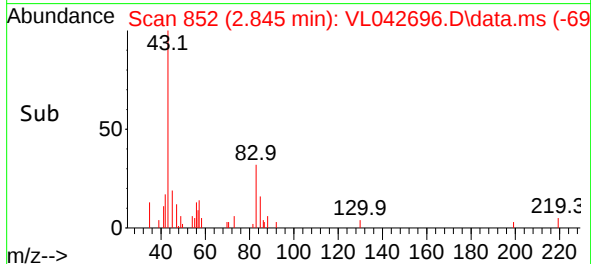
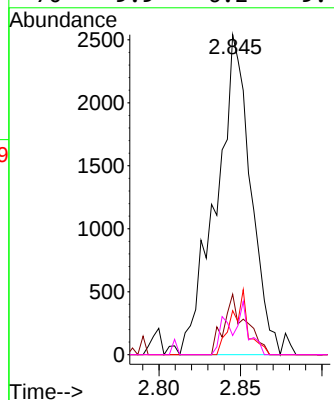
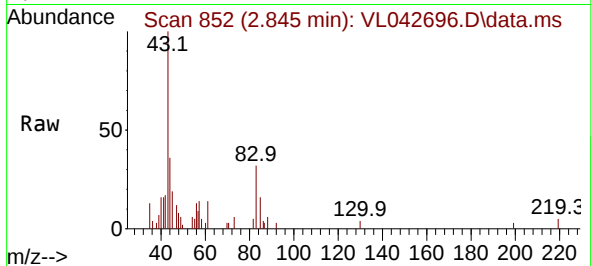




#25
Ethyl Acetate
Concen: 0.105 ppbv
RT: 2.845 min Scan# 852
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

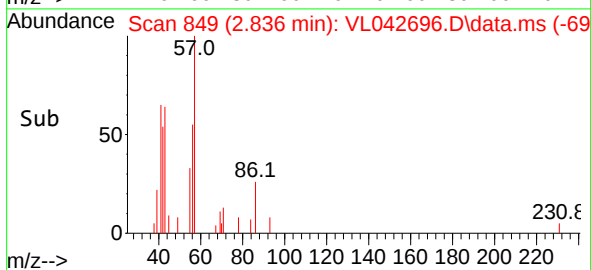
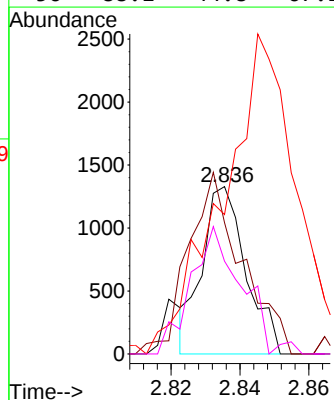
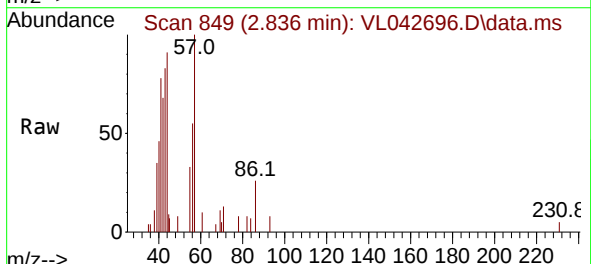
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

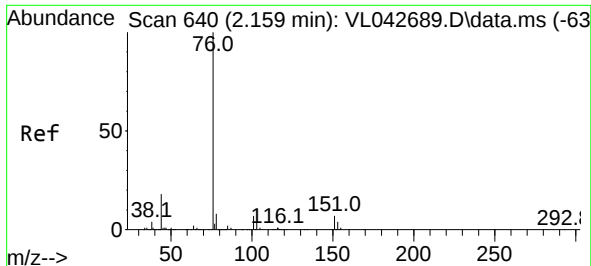
Tgt Ion: 43	Resp: 3736
Ion Ratio	Lower Upper
43 100	
45 12.1	8.1 12.1
61 9.6	7.0 10.6
70 9.9	6.2 9.4#



#26
Hexane
Concen: 0.079 ppbv
RT: 2.836 min Scan# 849
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 57	Resp: 1177
Ion Ratio	Lower Upper
57 100	
41 134.8	73.7 110.5#
43 337.2	190.6 285.8#
56 88.1	44.8 67.2#

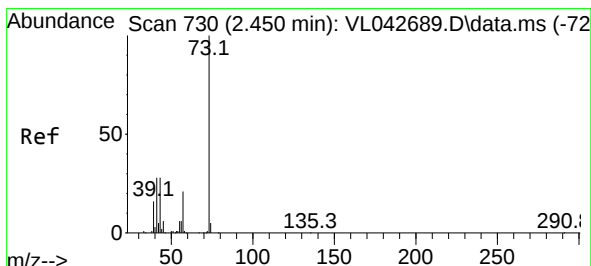
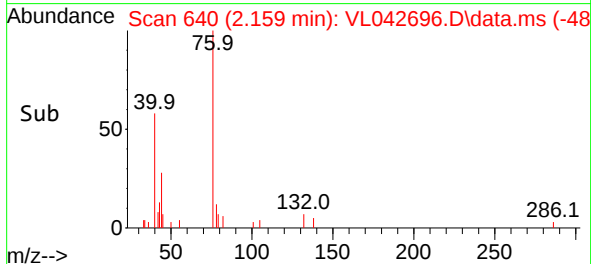
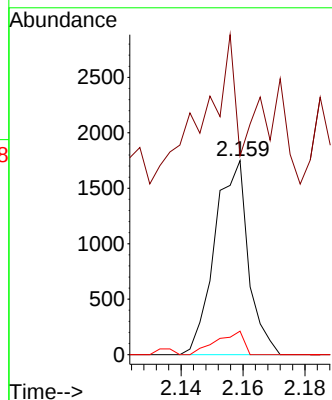
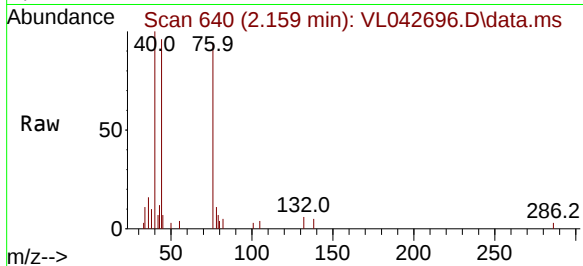




#27
Carbon Disulfide
Concen: 0.109 ppbv
RT: 2.159 min Scan# 640
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

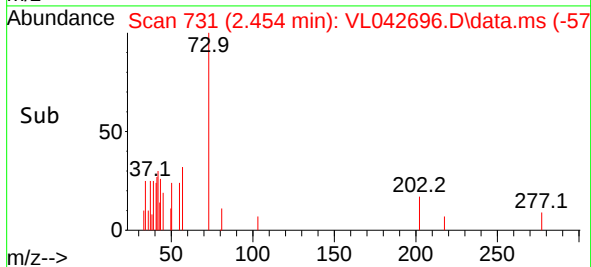
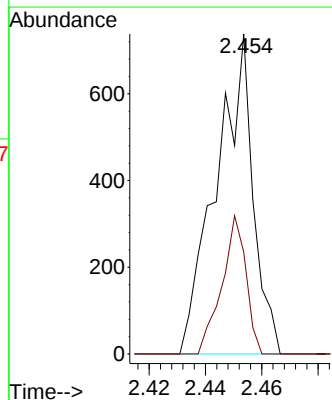
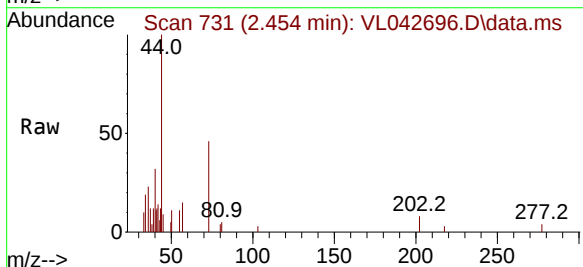
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

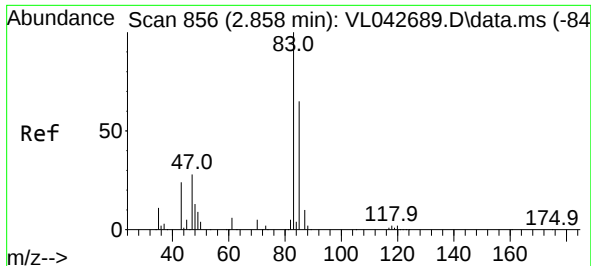
Tgt Ion: 76 Resp: 1316
Ion Ratio Lower Upper
76 100
44 96.3 15.6 23.4#
78 11.3 9.2 13.8



#28
Methyl tert-Butyl Ether
Concen: 0.110 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 73 Resp: 668
Ion Ratio Lower Upper
73 100
57 28.3 19.3 28.9





#29

Chloroform

Concen: 0.116 ppbv

RT: 2.858 min Scan# 856

Delta R.T. -0.000 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_L

ClientSampleId :

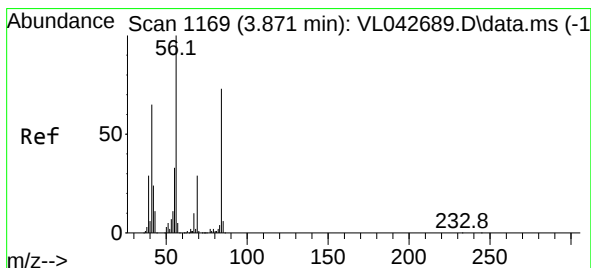
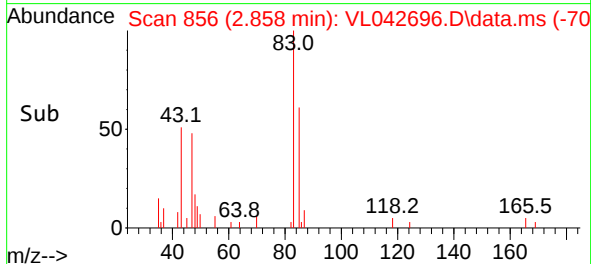
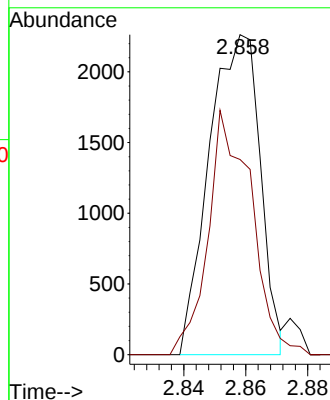
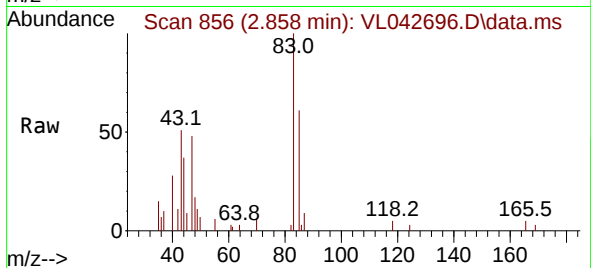
VSTDIC0.1

Tgt Ion: 83 Resp: 2591

Ion Ratio Lower Upper

83 100

85 55.9 52.4 78.6



#30

Cyclohexane

Concen: 0.079 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. -0.000 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

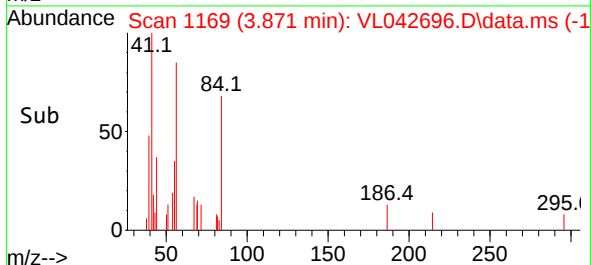
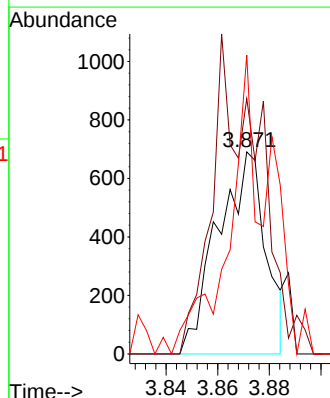
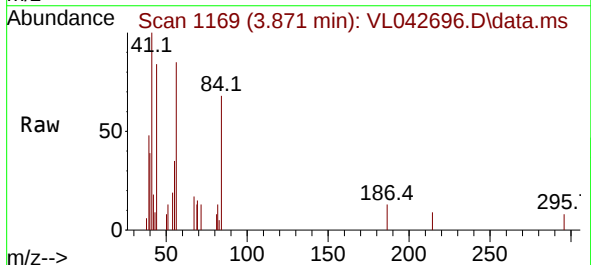
Tgt Ion: 84 Resp: 889

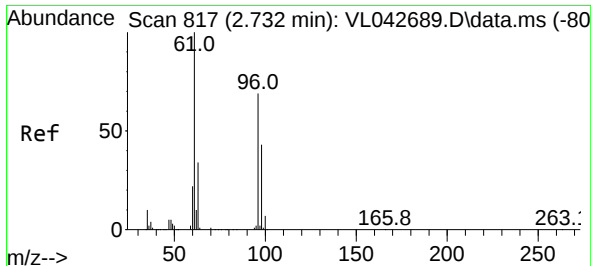
Ion Ratio Lower Upper

84 100

56 152.5 110.4 165.6

41 129.6 71.4 107.0#

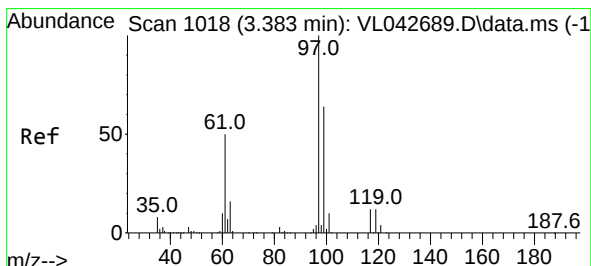
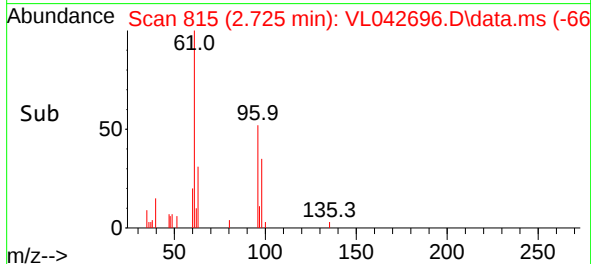
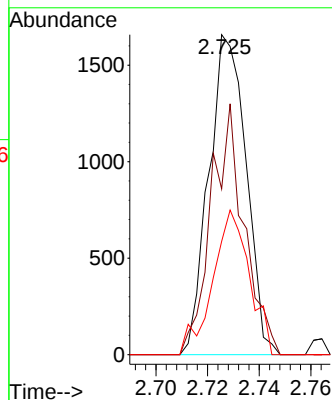
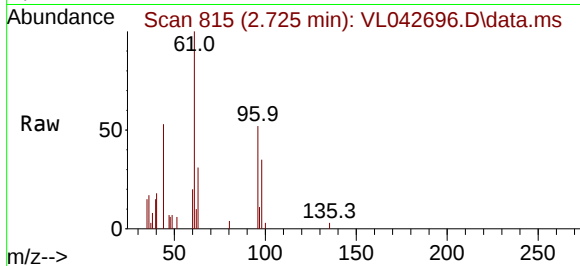




#31
 cis-1,2-Dichloroethene
 Concen: 0.118 ppbv
 RT: 2.725 min Scan# 815
 Delta R.T. -0.007 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

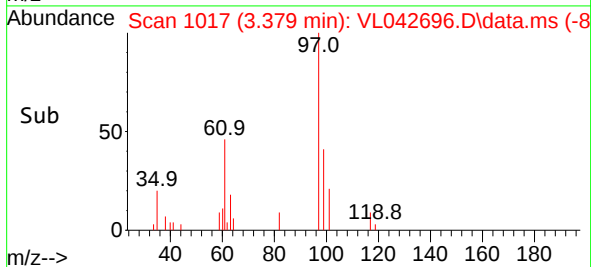
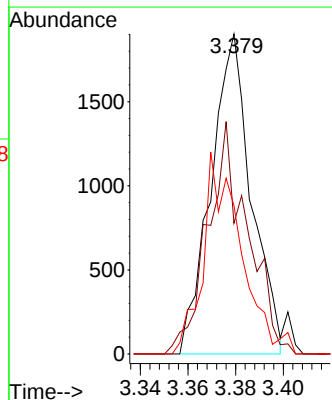
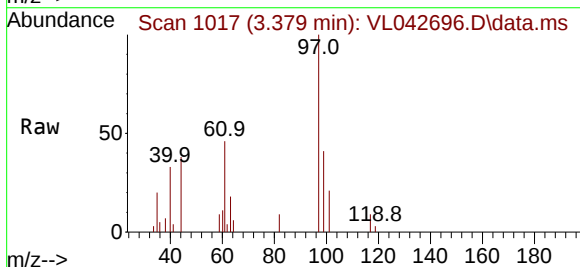
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

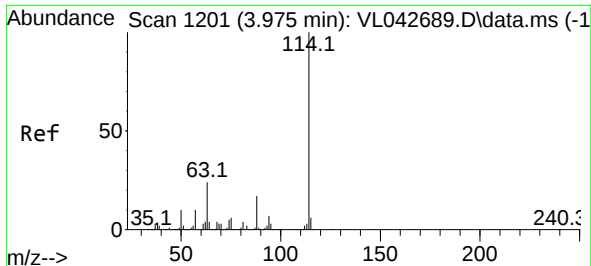
Tgt Ion: 61 Resp: 1664
 Ion Ratio Lower Upper
 61 100
 96 51.8 54.8 82.2#
 98 35.4 34.7 52.1



#32
 1,1,1-Trichloroethane
 Concen: 0.105 ppbv
 RT: 3.379 min Scan# 1017
 Delta R.T. -0.003 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

Tgt Ion: 97 Resp: 2244
 Ion Ratio Lower Upper
 97 100
 99 71.2 51.4 77.0
 61 58.7 41.1 61.7

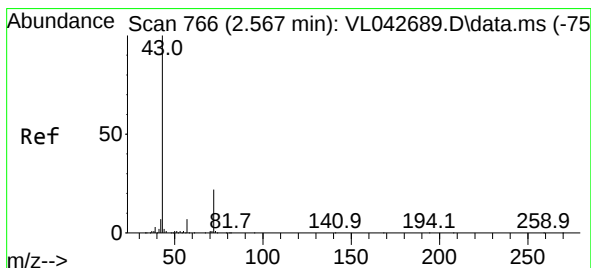
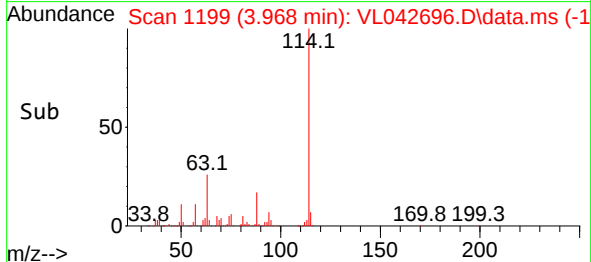
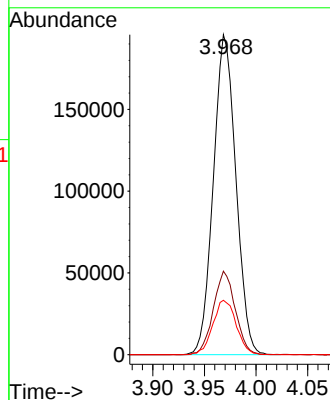
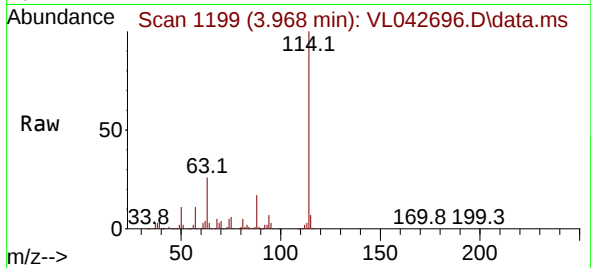




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.968 min Scan# 1199
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

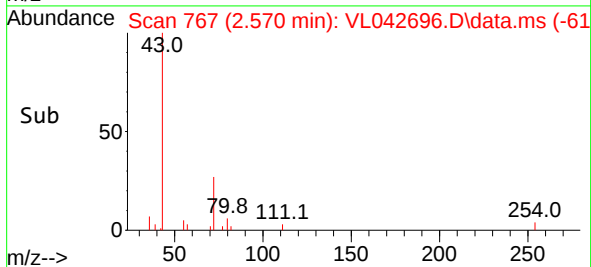
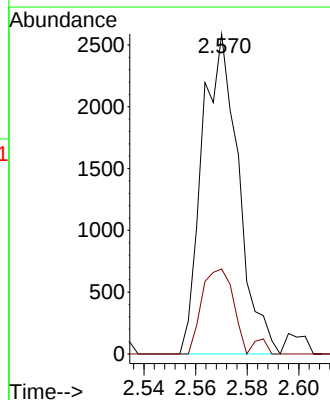
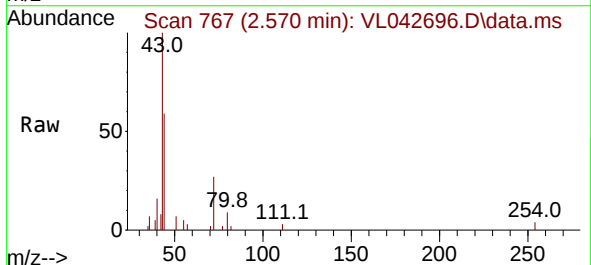
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

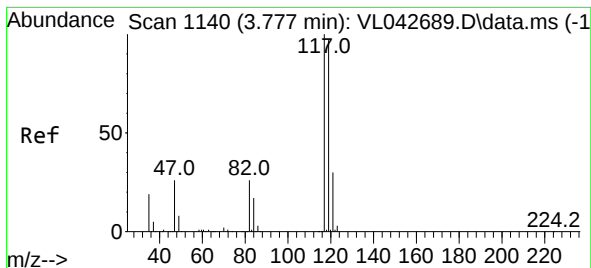
Tgt Ion:114 Resp: 296801
Ion Ratio Lower Upper
114 100
63 25.5 20.4 30.6
88 17.6 14.2 21.2



#34
2-Butanone
Concen: 0.108 ppbv
RT: 2.570 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 43 Resp: 2534
Ion Ratio Lower Upper
43 100
72 24.5 17.1 25.7





#35

Carbon Tetrachloride

Concen: 0.091 ppbv

RT: 3.774 min Scan# 1139

Delta R.T. -0.003 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

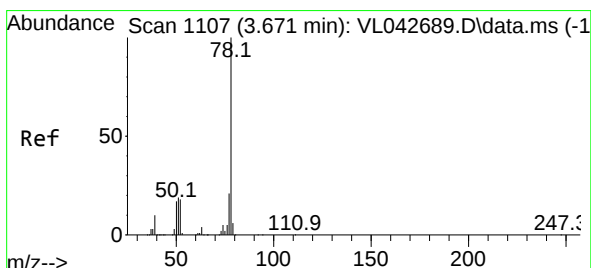
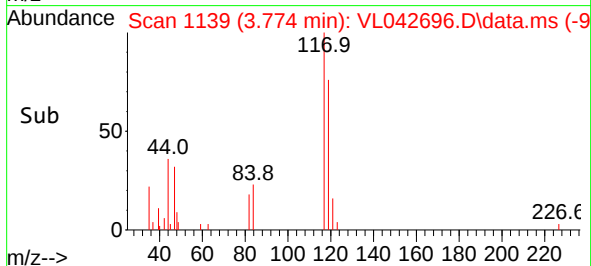
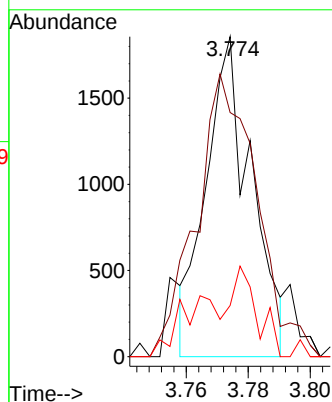
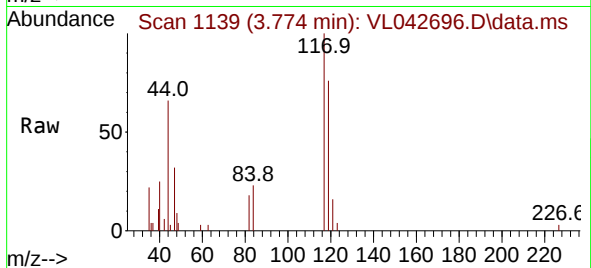
Tgt Ion:117 Resp: 1881

Ion Ratio Lower Upper

117 100

119 82.1 77.6 116.4

121 19.6 24.0 36.0#



#36

Benzene

Concen: 0.126 ppbv

RT: 3.671 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

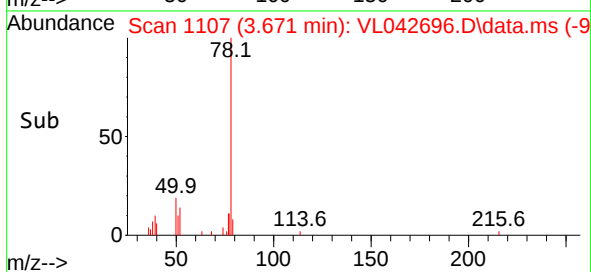
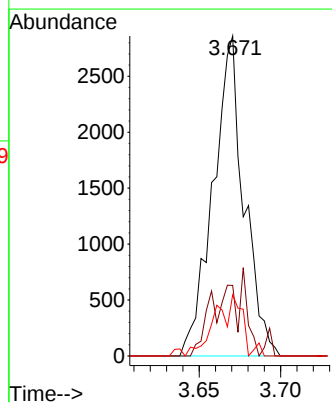
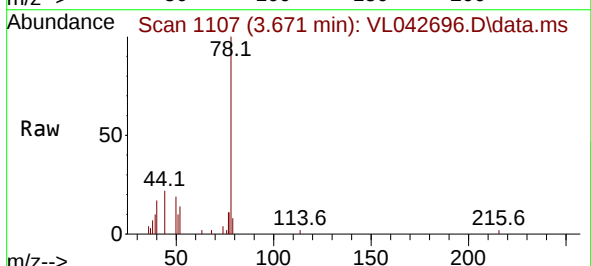
Tgt Ion: 78 Resp: 3781

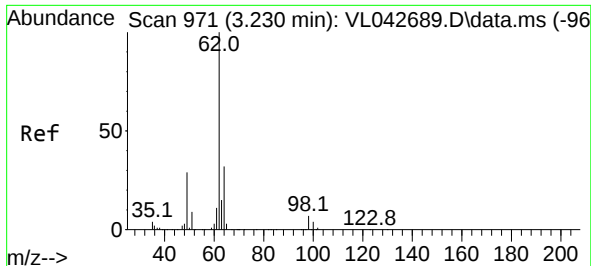
Ion Ratio Lower Upper

78 100

77 22.1 17.0 25.4

50 19.1 13.7 20.5

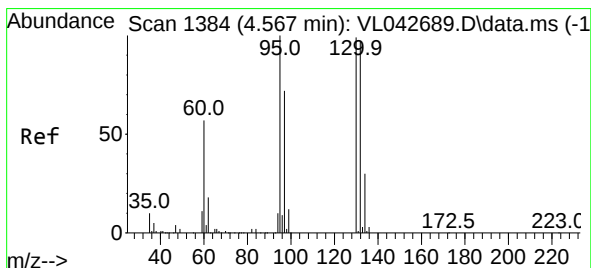
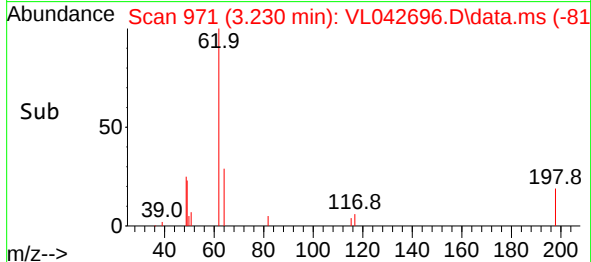
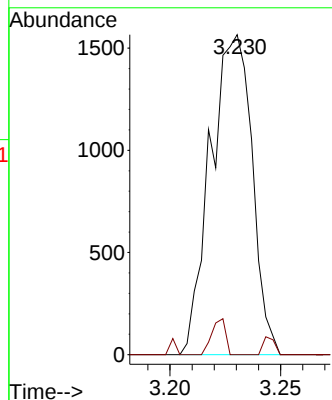
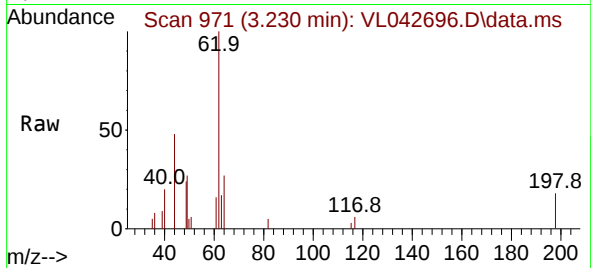




#37
1,2-Dichloroethane
Concen: 0.129 ppbv
RT: 3.230 min Scan# 91
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

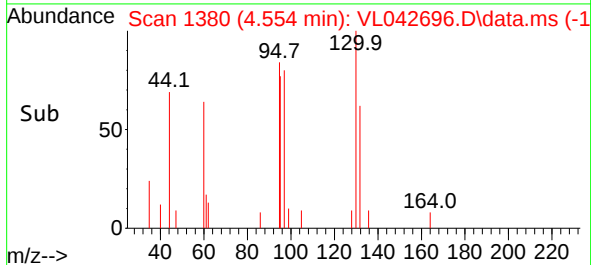
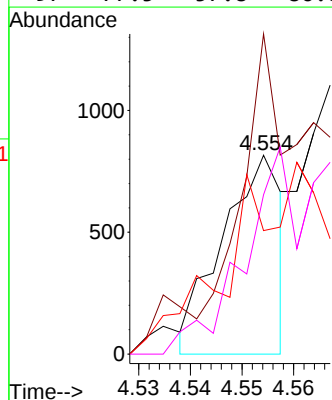
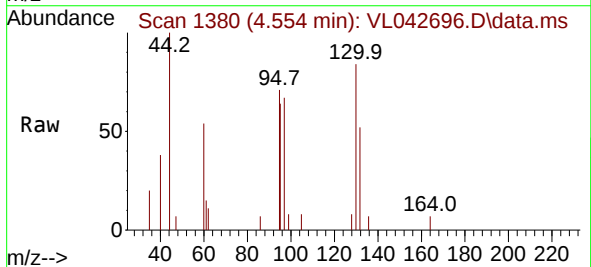
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

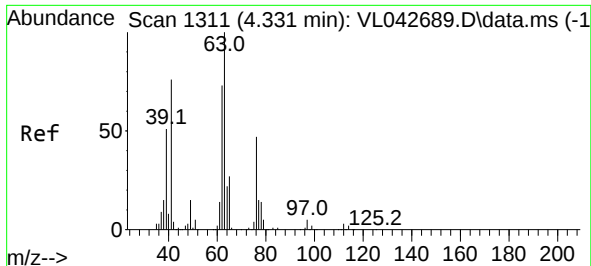
Tgt Ion: 62 Resp: 2054
Ion Ratio Lower Upper
62 100
98 4.4 5.8 8.8#



#38
Trichloroethene
Concen: 0.051 ppbv
RT: 4.554 min Scan# 1380
Delta R.T. -0.013 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 130 Resp: 654
Ion Ratio Lower Upper
130 100
95 154.3 81.1 121.7#
132 47.0 77.9 116.9#
97 77.5 57.8 86.8





#39

1,2-Dichloropropane

Concen: 6.463 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.363 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

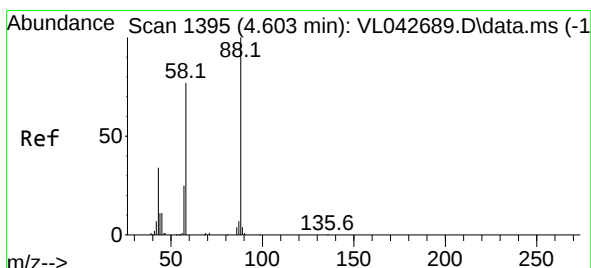
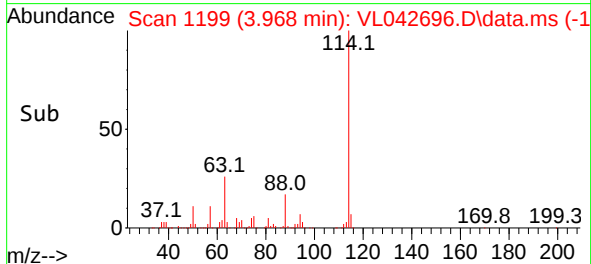
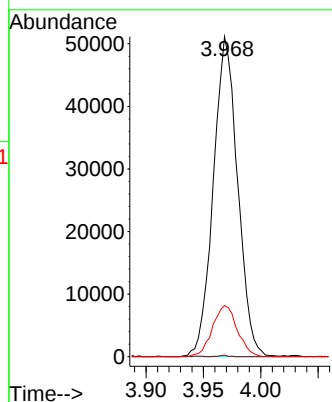
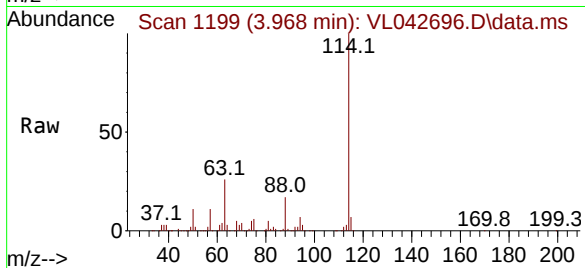
Tgt Ion: 63 Resp: 75431

Ion Ratio Lower Upper

63 100

41 0.5 60.8 91.2#

62 15.9 58.6 87.8#



#40

1,4-Dioxane

Concen: 0.035 ppbv

RT: 4.622 min Scan# 1401

Delta R.T. 0.019 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Tgt Ion: 88 Resp: 159

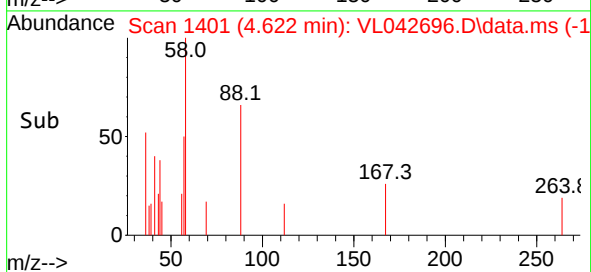
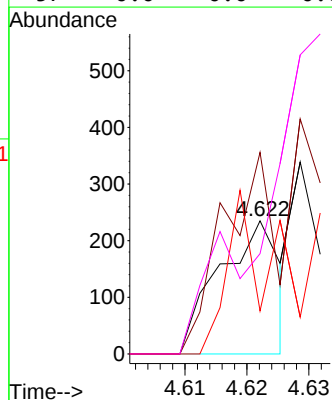
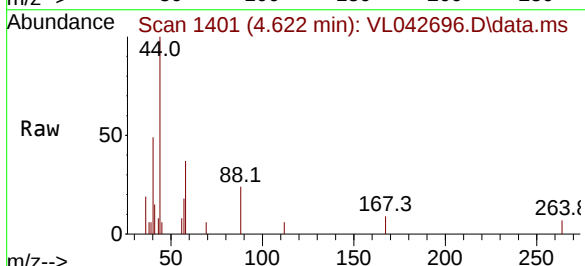
Ion Ratio Lower Upper

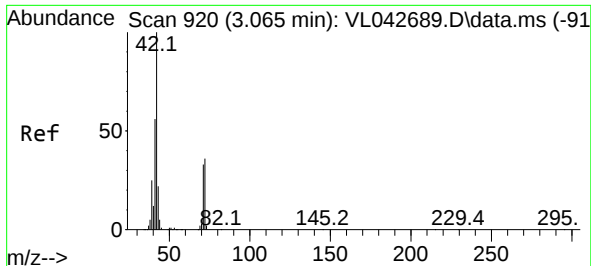
88 100

58 393.1 62.1 93.1#

43 0.0 26.2 39.2#

57 0.0 0.0 0.0

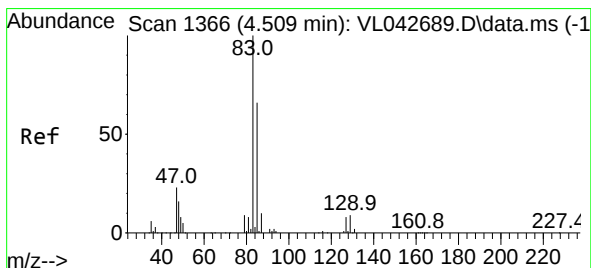
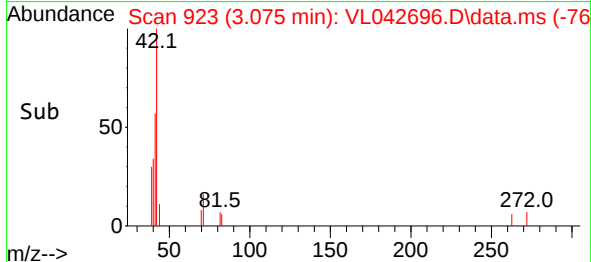
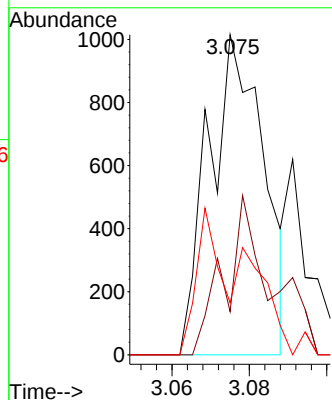
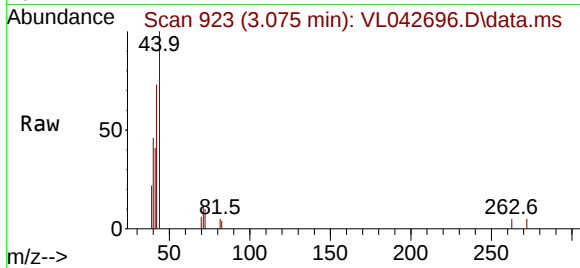




#41
Tetrahydrofuran
Concen: 0.084 ppbv
RT: 3.075 min Scan# 91
Delta R.T. 0.010 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

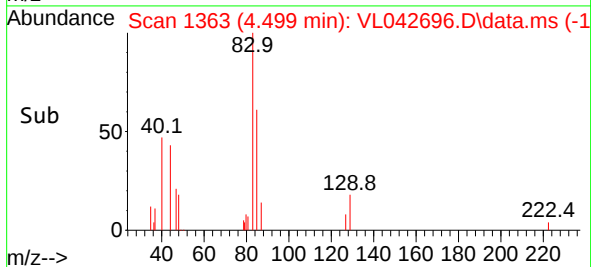
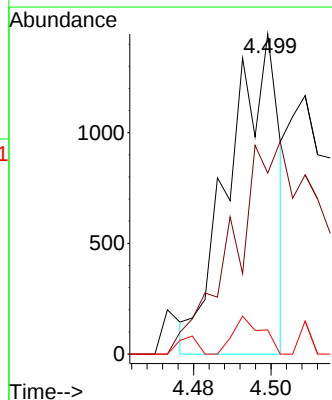
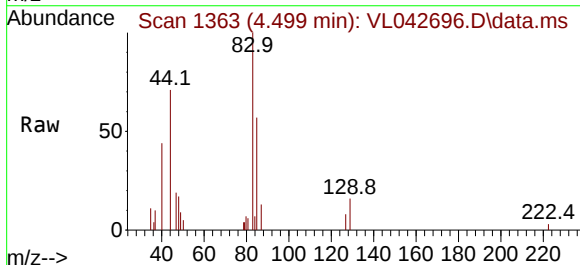
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

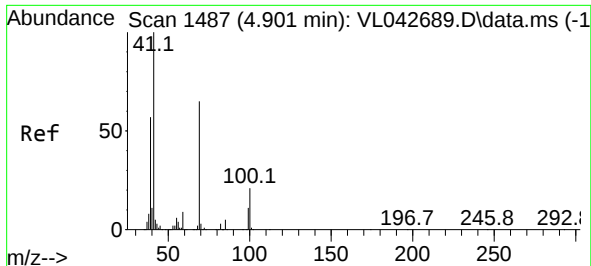
Tgt Ion: 42 Resp: 1002
Ion Ratio Lower Upper
42 100
72 41.6 28.2 42.4
71 42.6 25.4 38.0#



#42
Bromodichloromethane
Concen: 0.057 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. -0.010 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 83 Resp: 1286
Ion Ratio Lower Upper
83 100
85 55.2 52.5 78.7
127 8.4 6.1 9.1

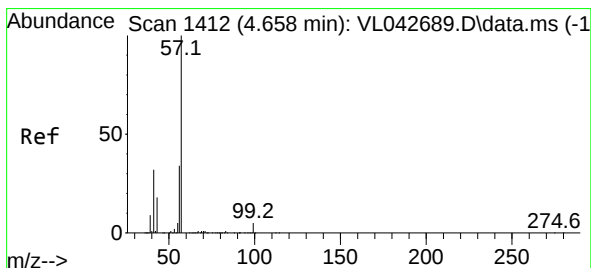
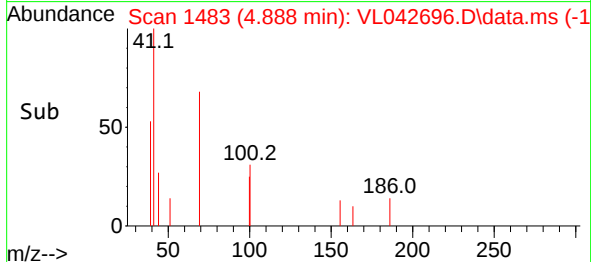
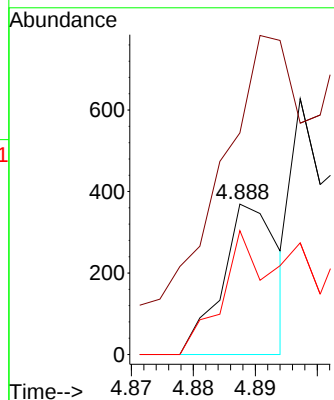
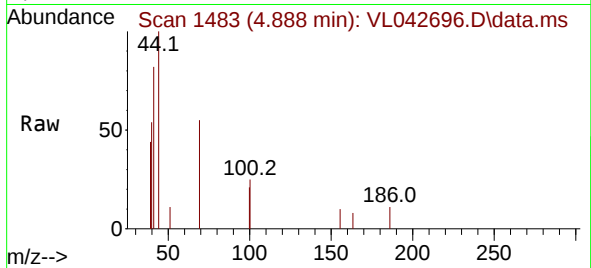




#43
Methyl Methacrylate
Concen: 0.024 ppbv
RT: 4.888 min Scan# 1483
Delta R.T. -0.013 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

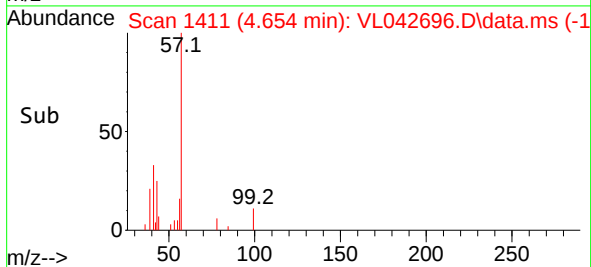
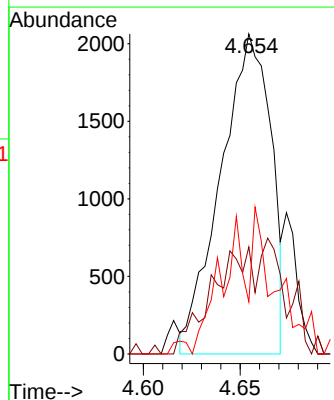
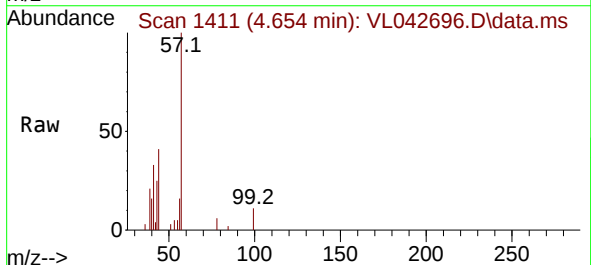
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

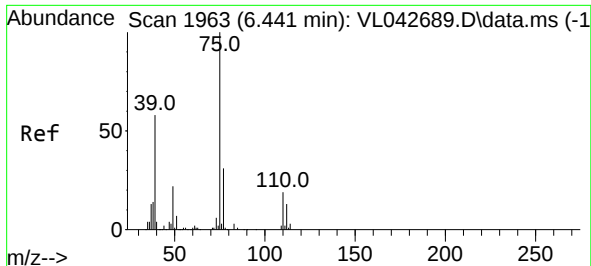
Tgt Ion: 69 Resp: 231
Ion Ratio Lower Upper
69 100
41 0.0 125.4 188.2#
100 162.3 26.4 39.6#



#44
2,2,4-Trimethylpentane
Concen: 0.075 ppbv
RT: 4.654 min Scan# 1411
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 57 Resp: 3726
Ion Ratio Lower Upper
57 100
41 0.0 25.2 37.8#
56 44.3 26.3 39.5#





#45

t-1,3-Dichloropropene

Concen: 0.039 ppbv

RT: 6.425 min Scan# 11

Delta R.T. -0.016 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_1

ClientSampleId :

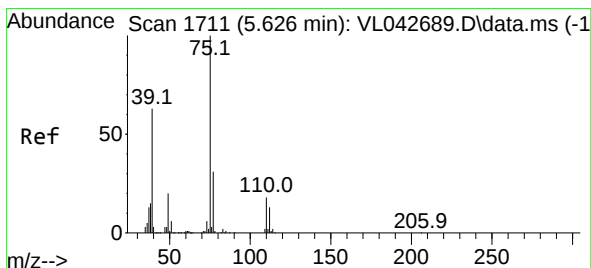
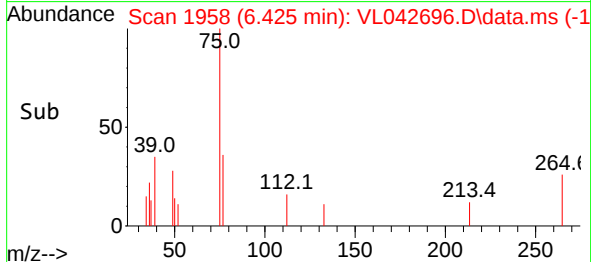
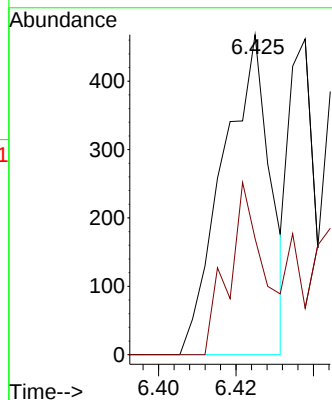
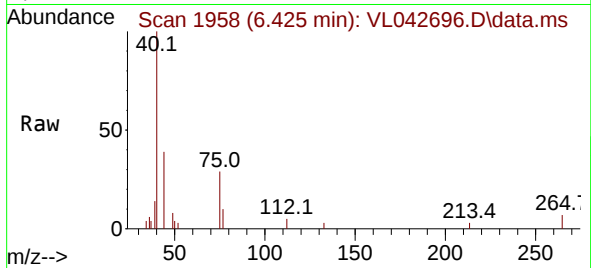
VSTDIC0.1

Tgt Ion: 75 Resp: 397

Ion Ratio Lower Upper

75 100

77 36.3 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 0.025 ppbv

RT: 5.619 min Scan# 1709

Delta R.T. -0.007 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

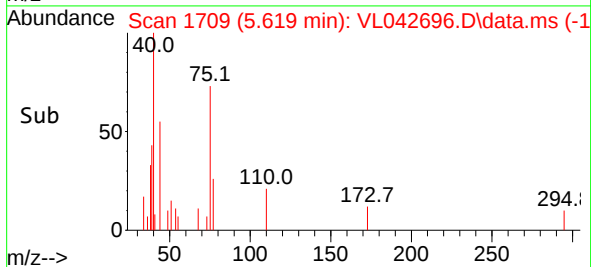
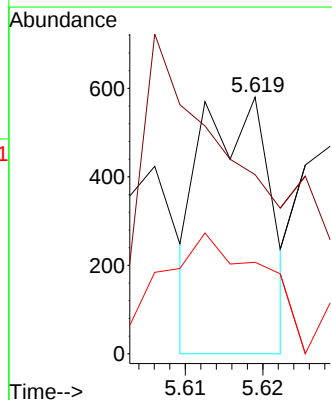
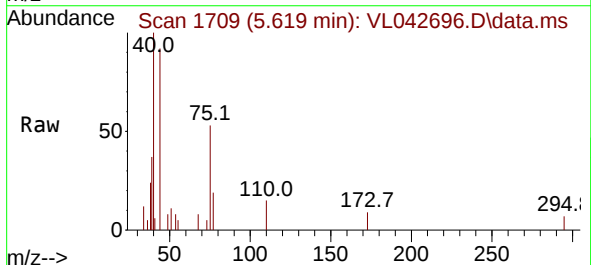
Tgt Ion: 75 Resp: 354

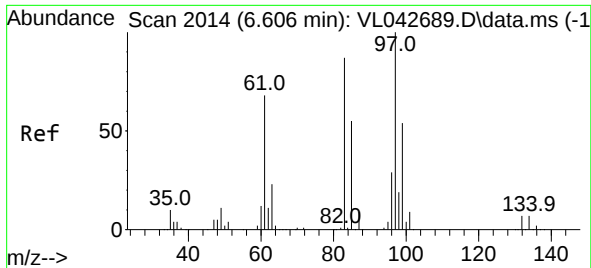
Ion Ratio Lower Upper

75 100

39 22.1 50.6 75.8#

77 7.6 24.8 37.2#

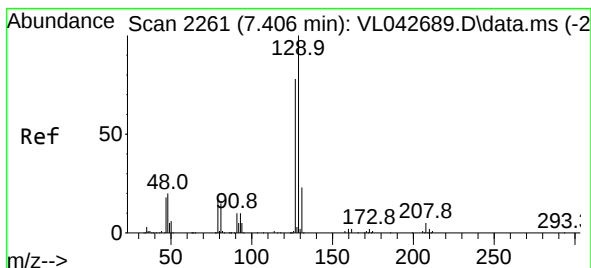
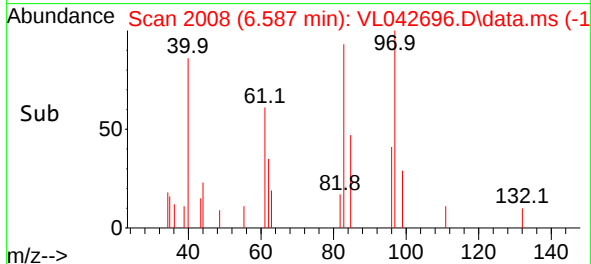
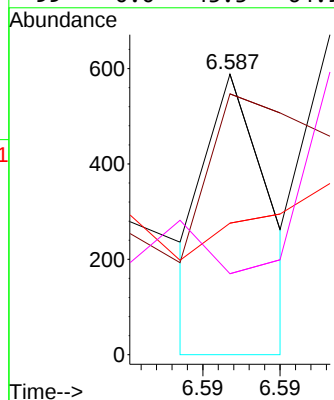
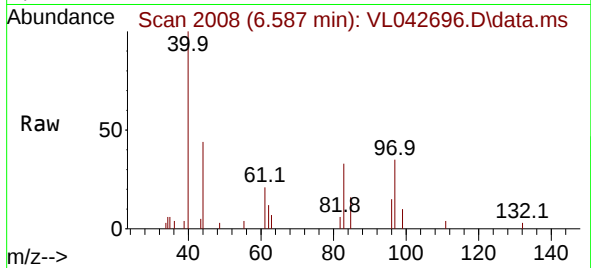




#47
1,1,2-Trichloroethane
Concen: 0.014 ppbv
RT: 6.587 min Scan# 20
Delta R.T. -0.020 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

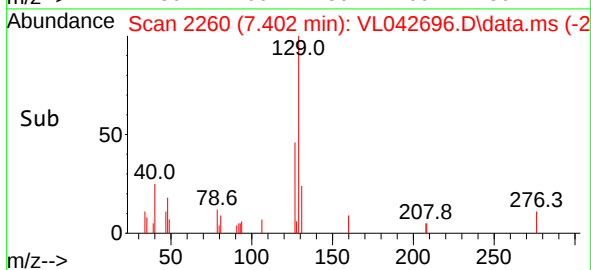
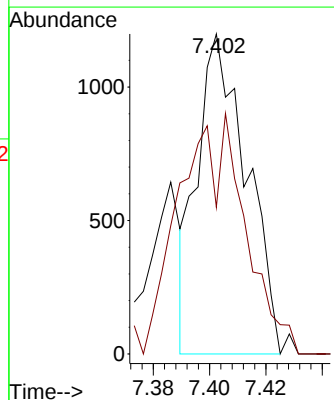
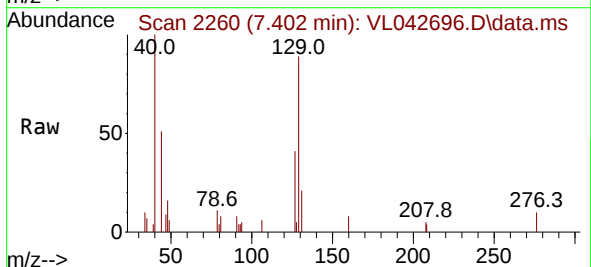
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

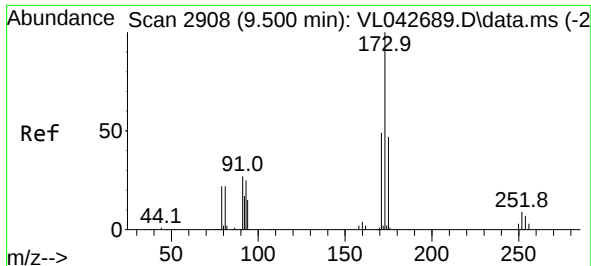
Tgt Ion: 97	Resp: 165
Ion Ratio	Lower Upper
97 100	
83 100.6	69.3 103.9
85 22.2	43.7 65.5#
99 0.0	43.3 64.9#



#48
Dibromochloromethane
Concen: 0.083 ppbv
RT: 7.402 min Scan# 2260
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion:129	Resp:	1457	
Ion	Ratio	Lower	Upper
129	100		
127	102.5	38.3	114.8





#49

Bromoform

Concen: 0.034 ppbv

RT: 9.487 min Scan# 2904

Delta R.T. -0.013 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

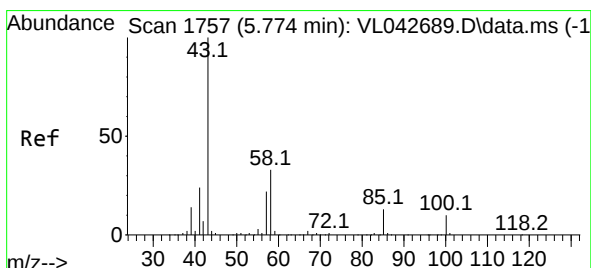
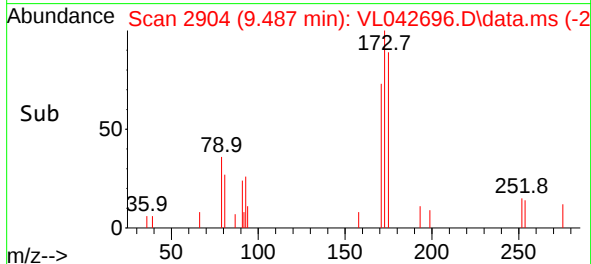
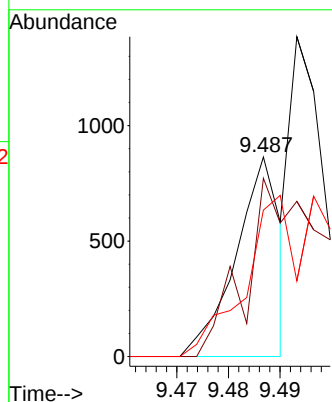
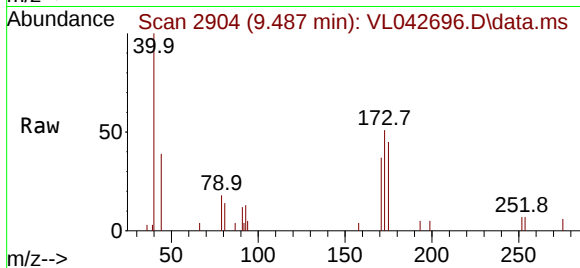
Tgt Ion:173 Resp: 517

Ion Ratio Lower Upper

173 100

175 166.7 38.6 57.8#

171 166.0 40.3 60.5#



#50

4-Methyl-2-Pentanone

Concen: 0.036 ppbv

RT: 5.781 min Scan# 1759

Delta R.T. 0.006 min

Lab File: VL042696.D

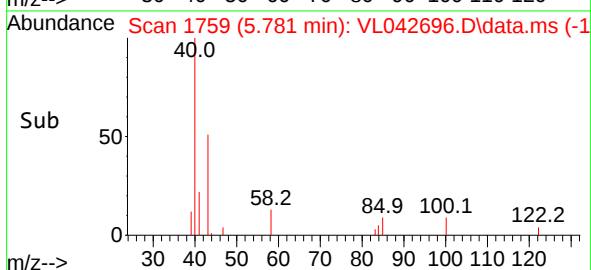
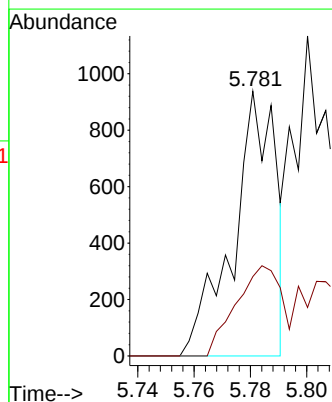
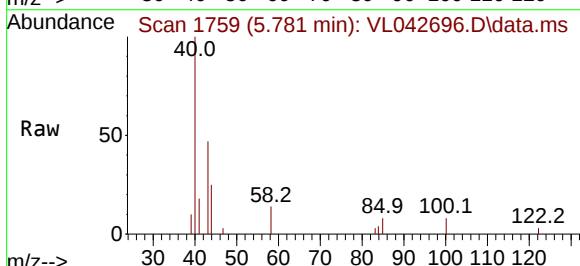
Acq: 02 Jul 2025 12:12

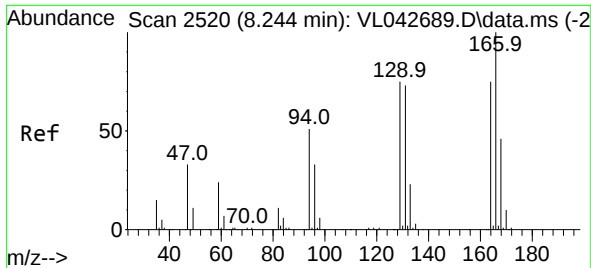
Tgt Ion: 43 Resp: 987

Ion Ratio Lower Upper

43 100

58 82.9 27.5 41.3#

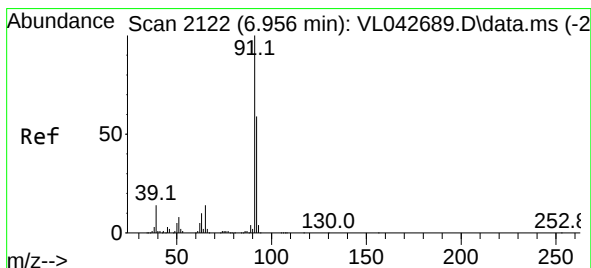
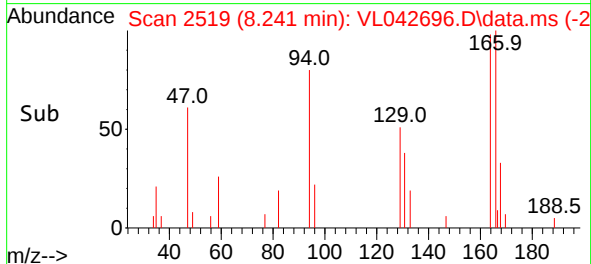
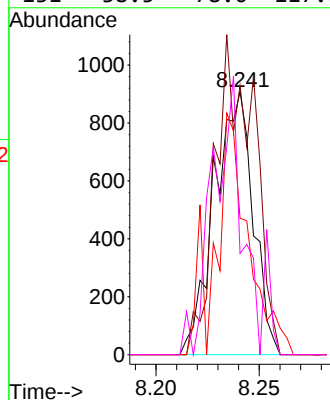
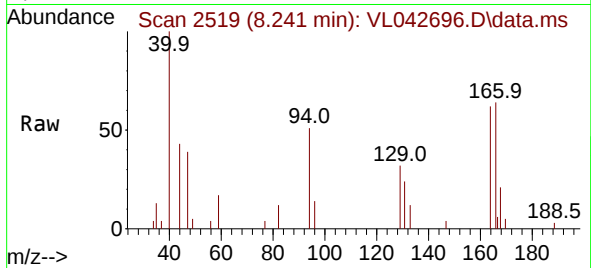




#52
Tetrachloroethene
Concen: 0.119 ppbv
RT: 8.241 min Scan# 2119
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

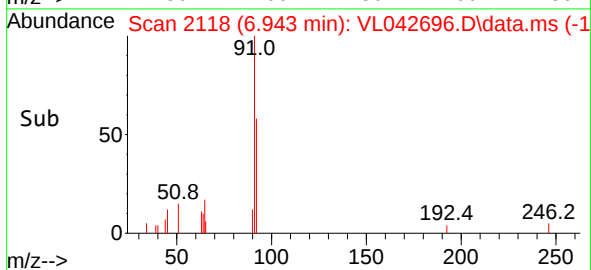
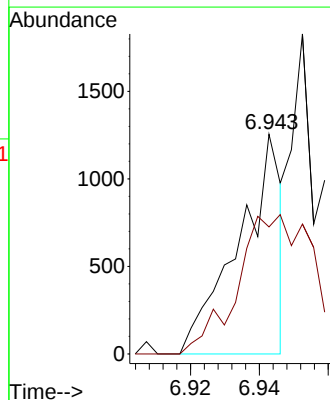
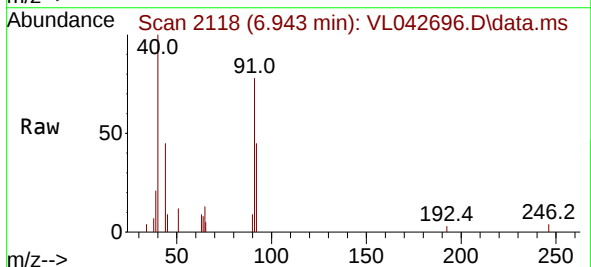
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

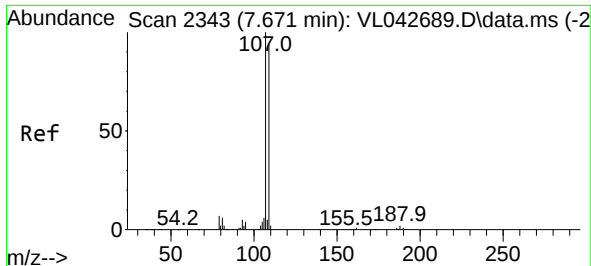
Tgt Ion:164 Resp: 1191
Ion Ratio Lower Upper
164 100
166 111.6 106.6 160.0
129 52.0 79.8 119.6#
131 38.5 78.0 117.0#



#53
Toluene
Concen: 0.039 ppbv
RT: 6.943 min Scan# 2118
Delta R.T. -0.013 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 91 Resp: 1082
Ion Ratio Lower Upper
91 100
92 122.3 47.4 71.2#

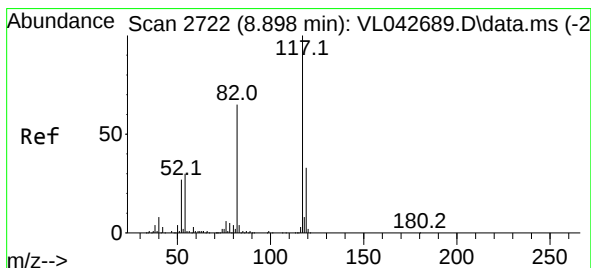
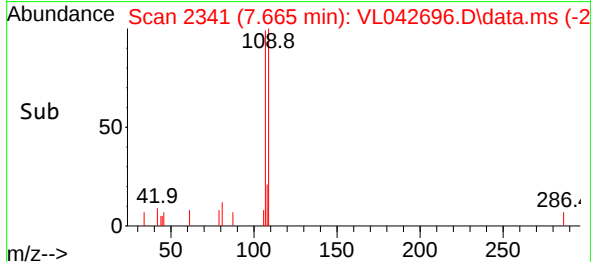
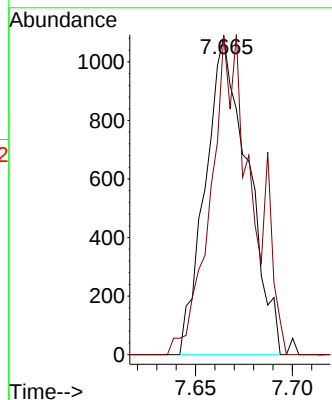
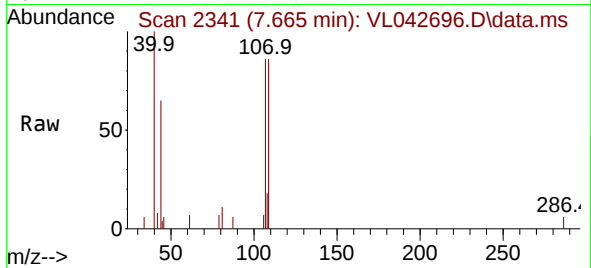




#54
1,2-Dibromoethane
Concen: 0.103 ppbv
RT: 7.665 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

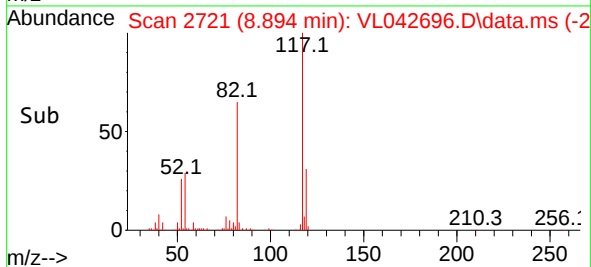
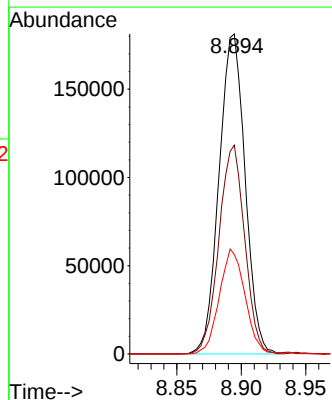
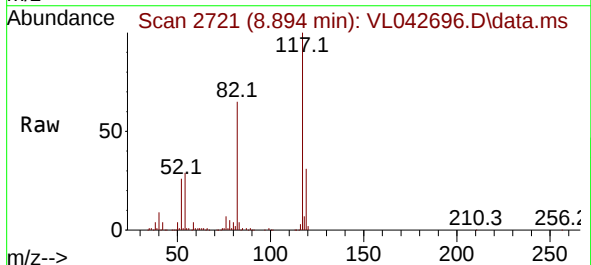
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

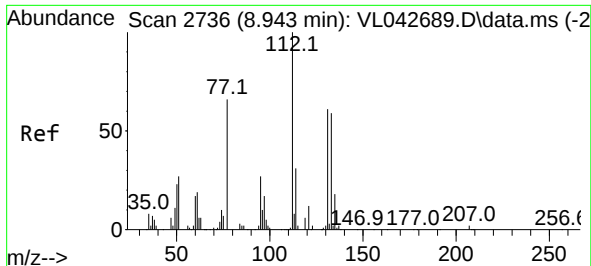
Tgt Ion:107 Resp: 1652
Ion Ratio Lower Upper
107 100
109 95.4 74.8 112.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.894 min Scan# 2721
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion:117 Resp: 254532
Ion Ratio Lower Upper
117 100
82 64.6 53.4 80.2
119 32.6 26.6 39.8

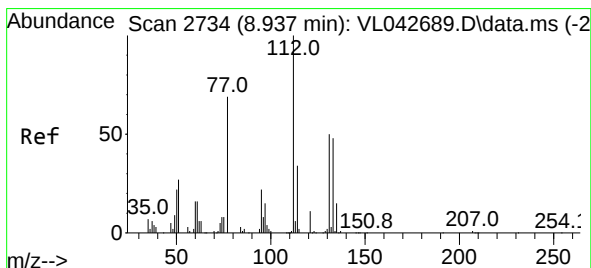
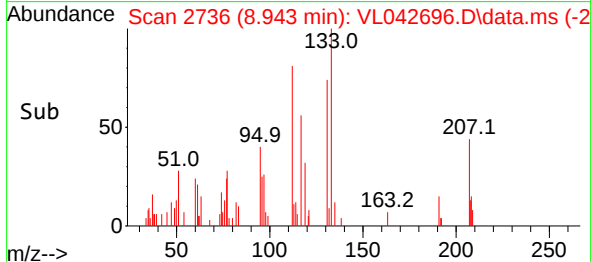
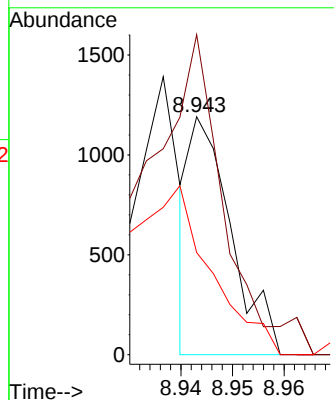
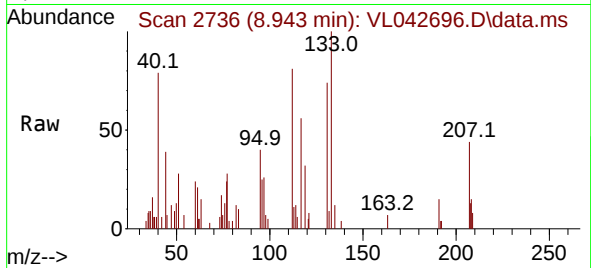




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.048 ppbv
 RT: 8.943 min Scan# 2736
 Delta R.T. -0.000 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

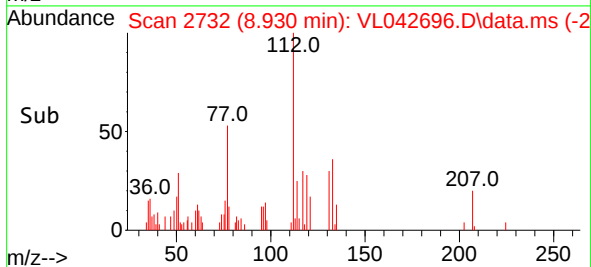
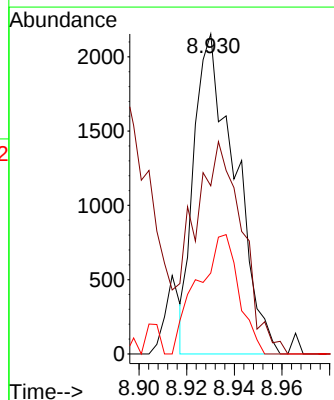
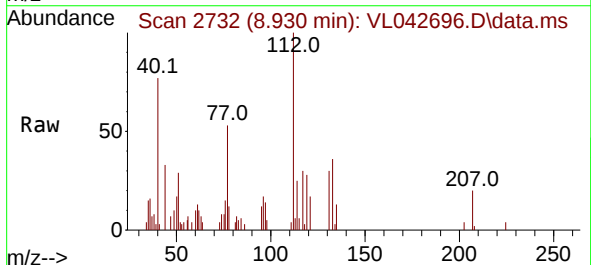
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC0.1

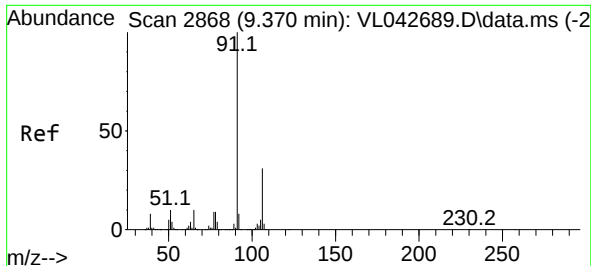
Tgt Ion:131 Resp: 663
 Ion Ratio Lower Upper
 131 100
 133 286.3 77.3 115.9#
 119 0.0 52.6 78.8#



#57
 Chlorobenzene
 Concen: 0.101 ppbv
 RT: 8.930 min Scan# 2732
 Delta R.T. -0.007 min
 Lab File: VL042696.D
 Acq: 02 Jul 2025 12:12

Tgt Ion:112 Resp: 2569
 Ion Ratio Lower Upper
 112 100
 77 60.2 56.2 84.4
 114 25.3 30.2 37.0#

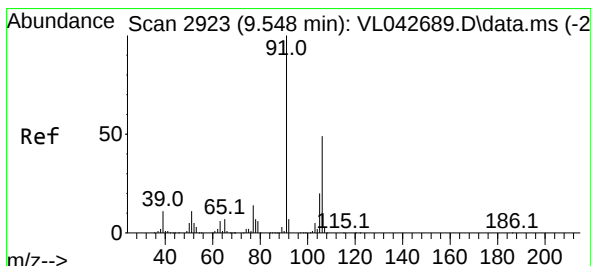
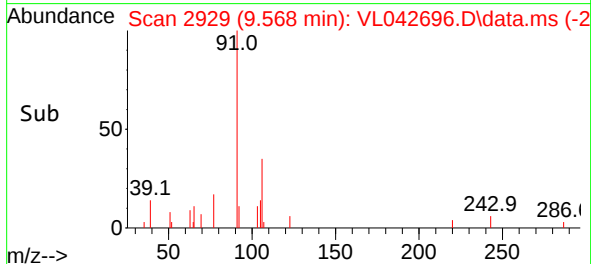
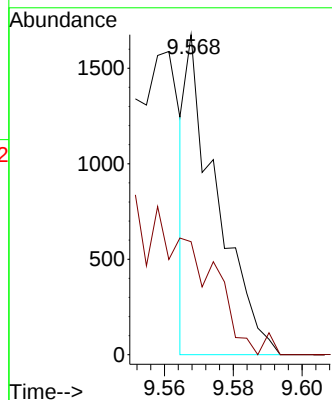
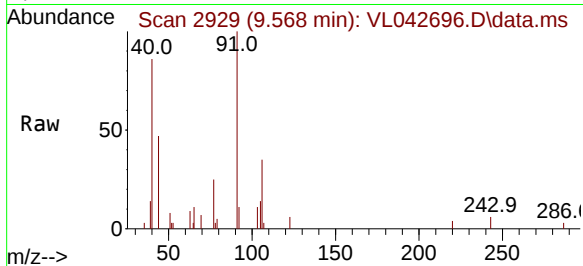




#58
Ethyl Benzene
Concen: 0.028 ppbv
RT: 9.568 min Scan# 2929
Delta R.T. 0.197 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

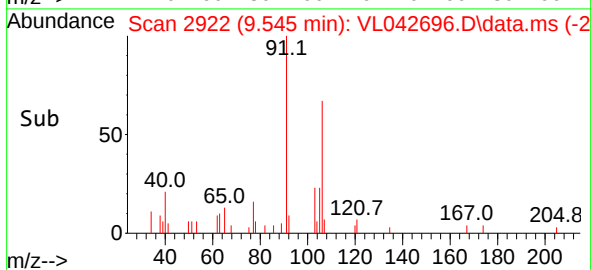
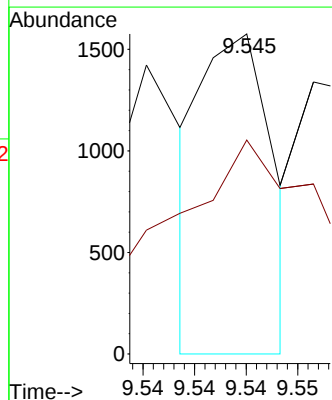
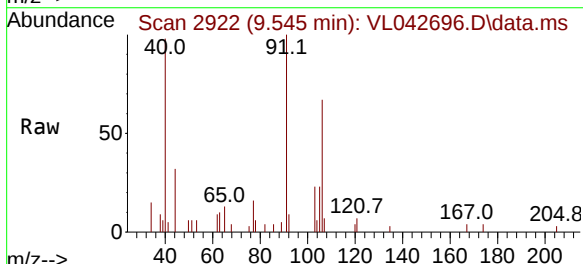
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

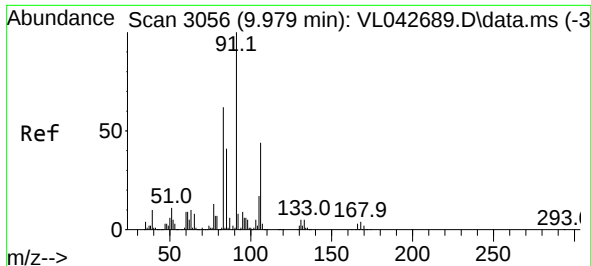
Tgt Ion: 91 Resp: 1032
Ion Ratio Lower Upper
91 100
106 35.3 24.9 37.3



#59
m/p-Xylene
Concen: 0.024 ppbv
RT: 9.545 min Scan# 2922
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 91 Resp: 751
Ion Ratio Lower Upper
91 100
106 265.9 37.6 56.4#

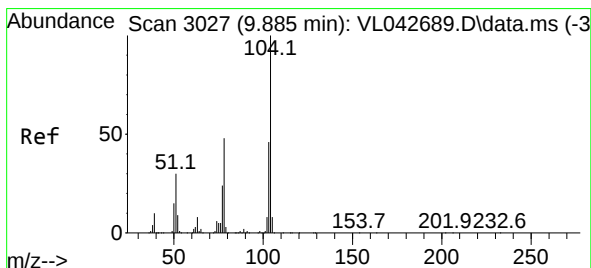
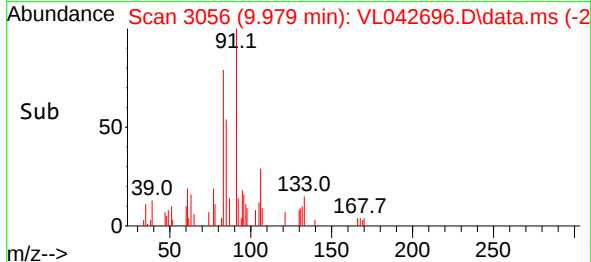
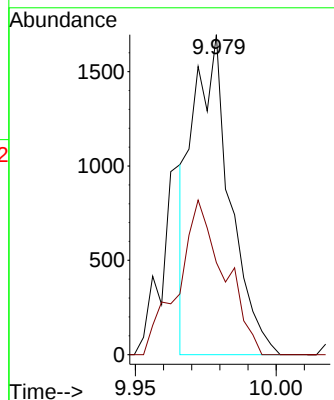
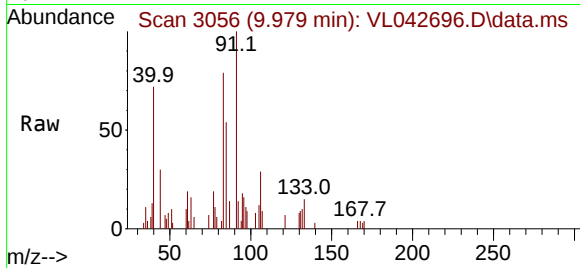




#60
o-Xylene
Concen: 0.052 ppbv
RT: 9.979 min Scan# 3056
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

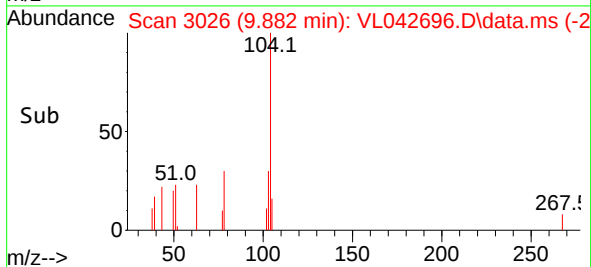
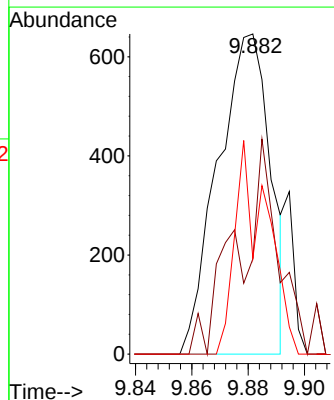
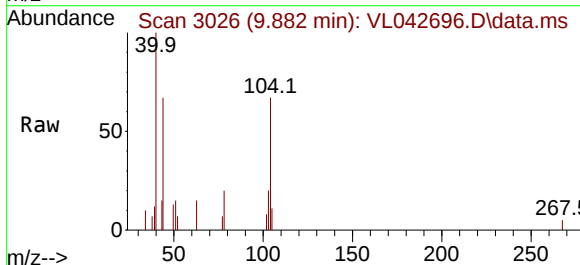
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

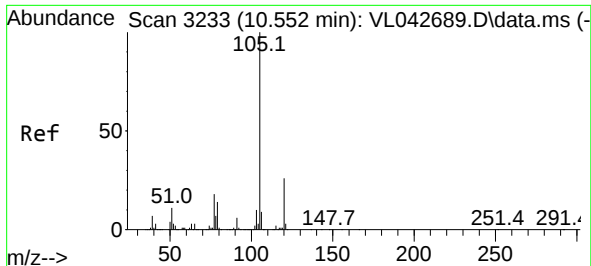
Tgt Ion: 91 Resp: 1562
Ion Ratio Lower Upper
91 100
106 59.3 22.8 68.4



#61
Styrene
Concen: 0.070 ppbv
RT: 9.882 min Scan# 3026
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 104 Resp: 836
Ion Ratio Lower Upper
104 100
78 53.3 39.0 58.6
103 40.8 37.4 56.0

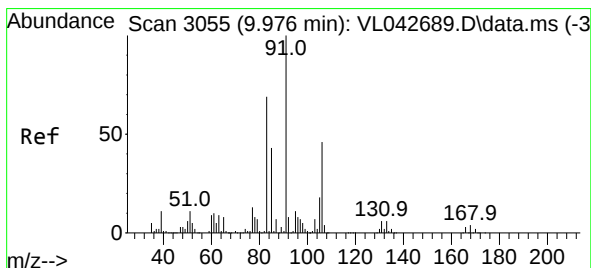
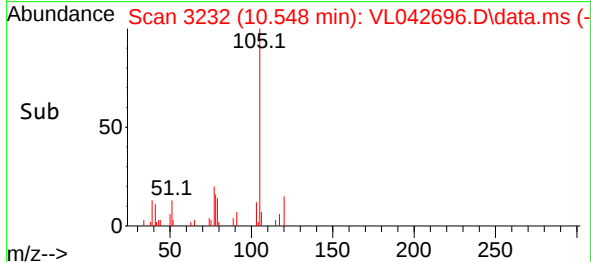
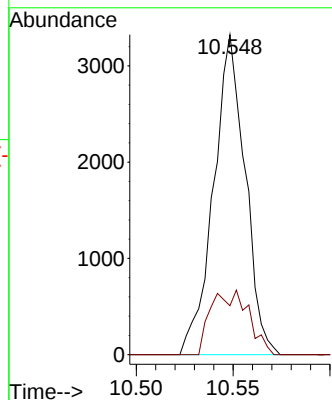
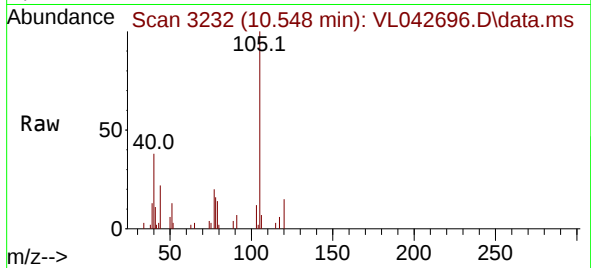




#62
Isopropylbenzene
Concen: 0.082 ppbv
RT: 10.548 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

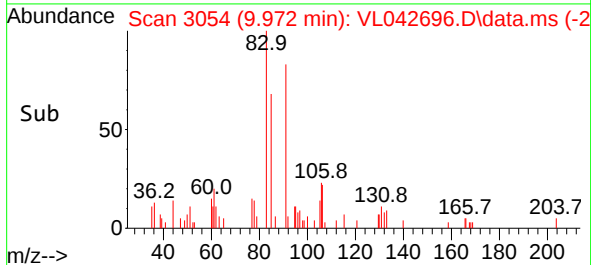
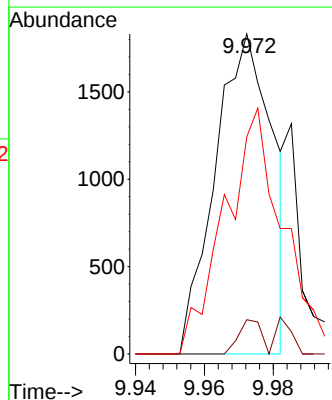
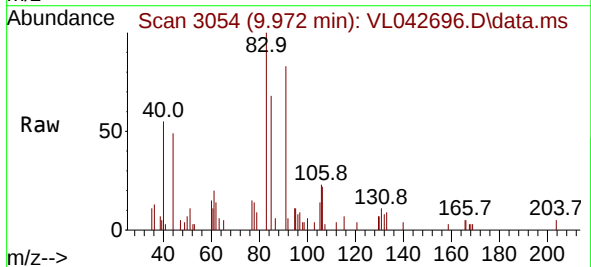
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

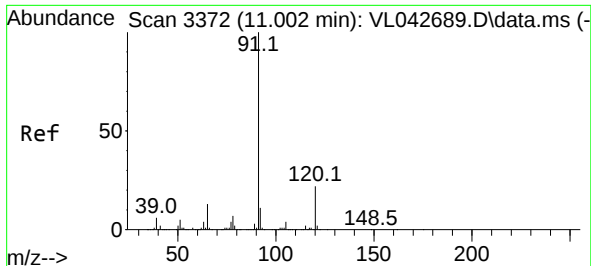
Tgt Ion:105 Resp: 3766
Ion Ratio Lower Upper
105 100
120 24.0 20.6 31.0



#63
1,1,2,2-Tetrachloroethane
Concen: 0.091 ppbv
RT: 9.972 min Scan# 3054
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 83 Resp: 2116
Ion Ratio Lower Upper
83 100
131 0.0 4.5 13.4#
85 78.7 31.5 94.5

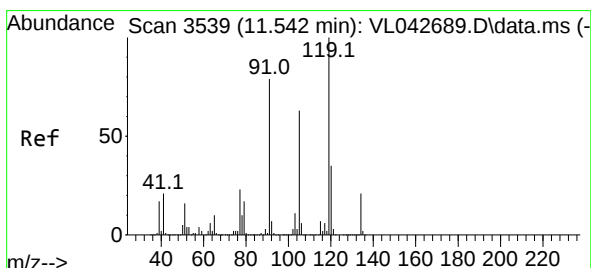
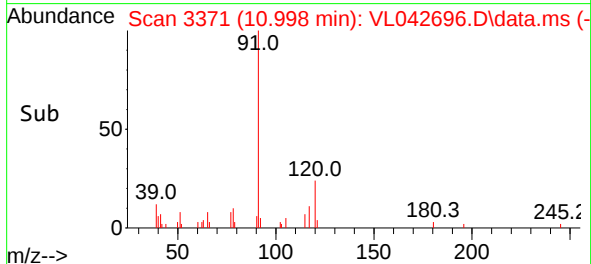
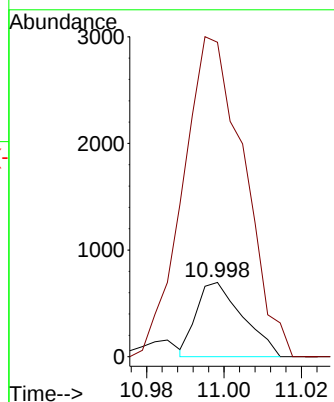
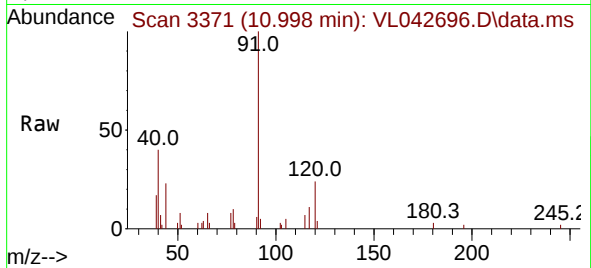




#64
n-propylbenzene
Concen: 0.049 ppbv
RT: 10.998 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

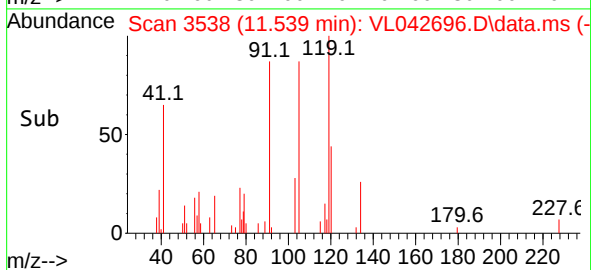
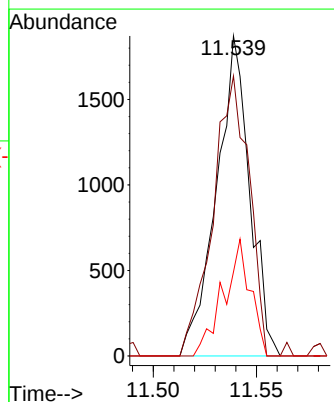
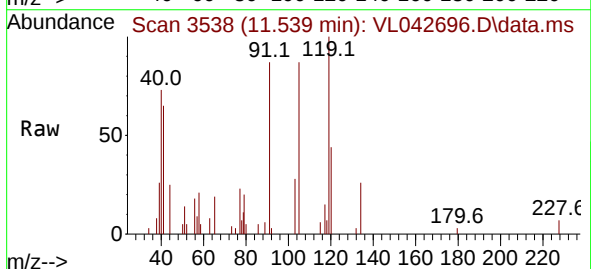
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

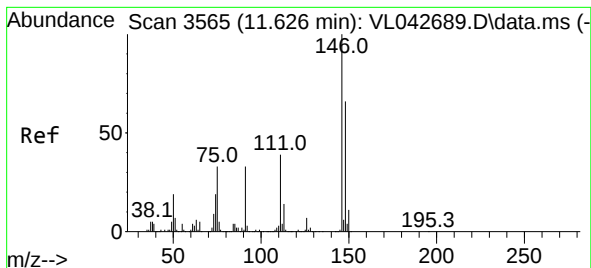
Tgt Ion:120 Resp: 578
Ion Ratio Lower Upper
120 100
91 576.1 377.8 566.8#



#65
tert-Butylbenzene
Concen: 0.054 ppbv
RT: 11.539 min Scan# 3538
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion:119 Resp: 2097
Ion Ratio Lower Upper
119 100
91 95.5 62.6 93.8#
134 29.5 16.9 25.3#

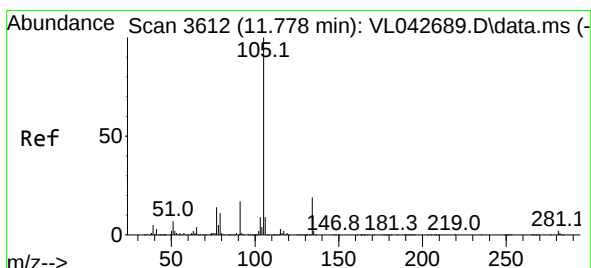
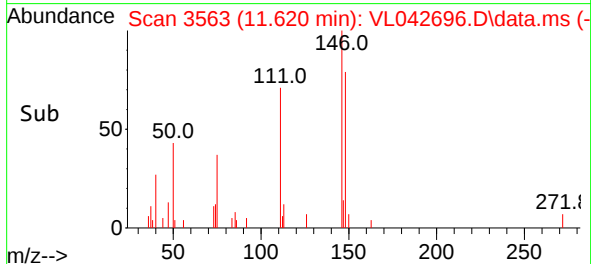
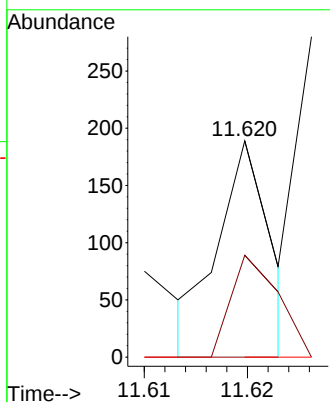
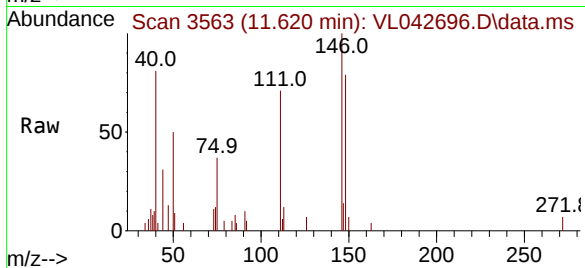




#66
Benzyl Chloride
Concen: 0.017 ppbv
RT: 11.620 min Scan# 311
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

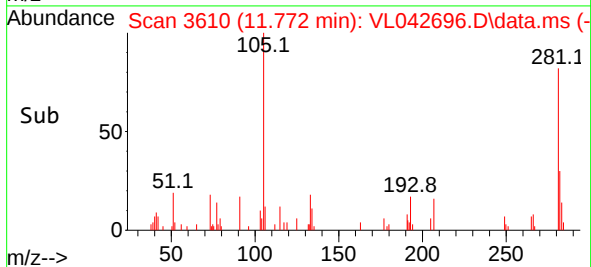
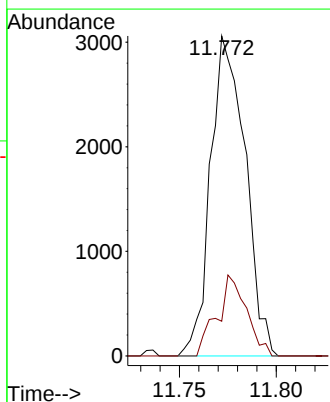
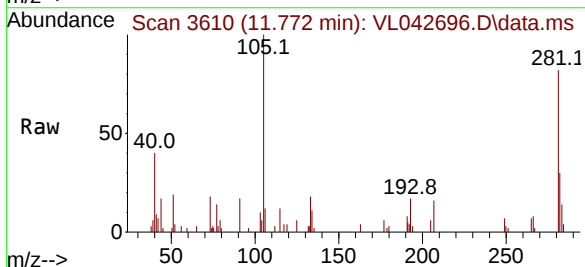
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

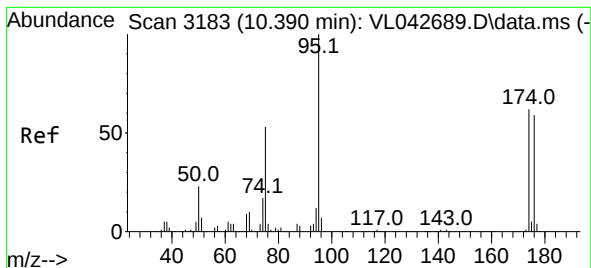
Tgt Ion: 91 Resp: 66
Ion Ratio Lower Upper
91 100
126 0.0 14.8 22.2#
128 0.0 4.7 7.1#



#67
sec-Butylbenzene
Concen: 0.064 ppbv
RT: 11.772 min Scan# 3610
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 105 Resp: 3817
Ion Ratio Lower Upper
105 100
134 21.4 15.0 22.6

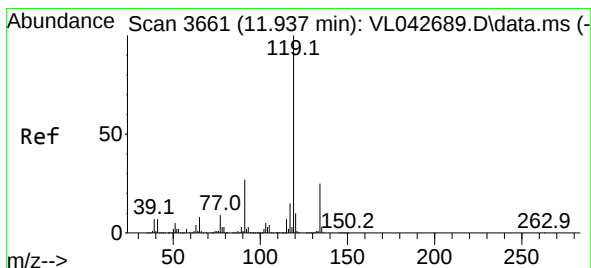
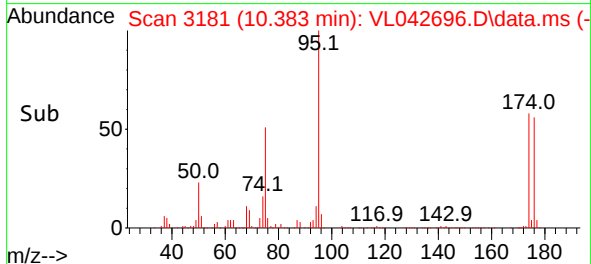
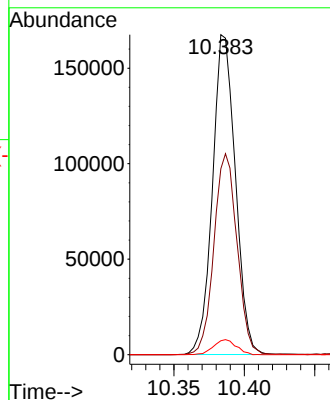
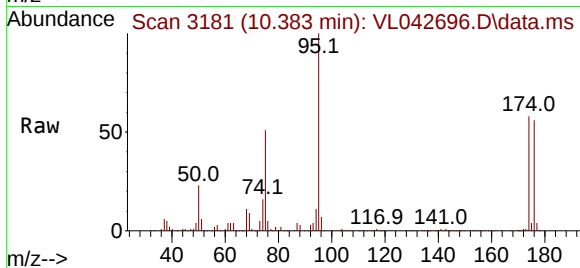




#68
1-Bromo-4-Fluorobenzene
Concen: 9.703 ppbv
RT: 10.383 min Scan# 3183
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

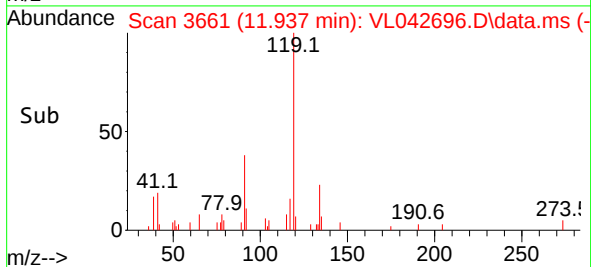
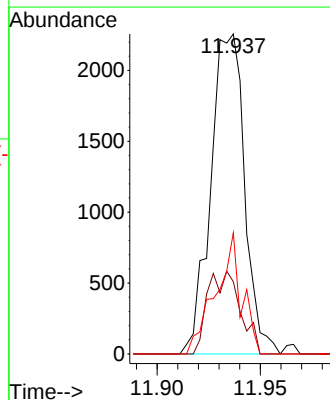
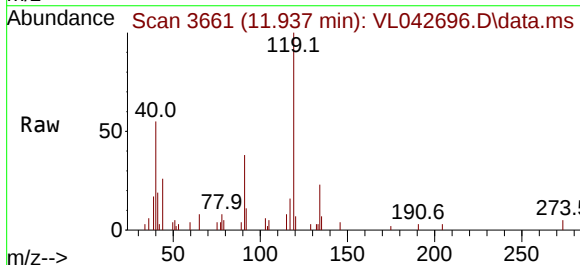
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

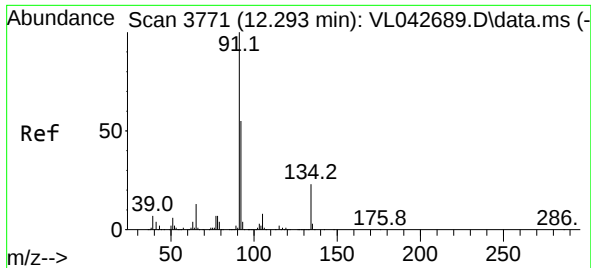
Tgt Ion: 95 Resp: 189972
Ion Ratio Lower Upper
95 100
174 63.5 51.2 76.8
175 4.7 3.8 5.8



#69
p-Isopropyltoluene
Concen: 0.054 ppbv
RT: 11.937 min Scan# 3661
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 119 Resp: 2580
Ion Ratio Lower Upper
119 100
134 24.8 20.6 31.0
91 28.8 21.4 32.2

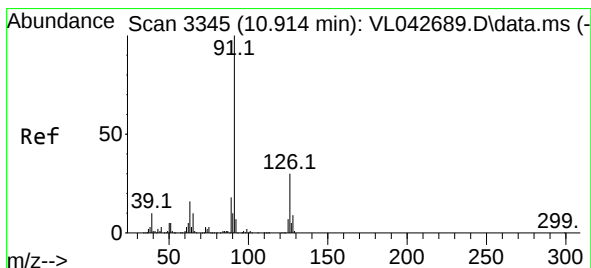
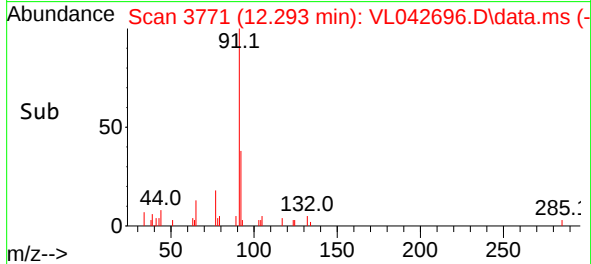
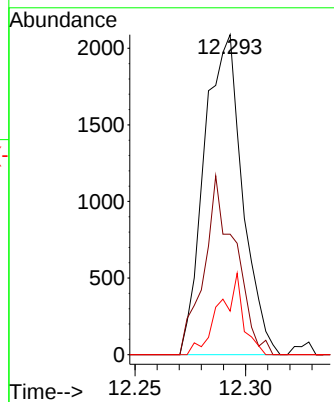
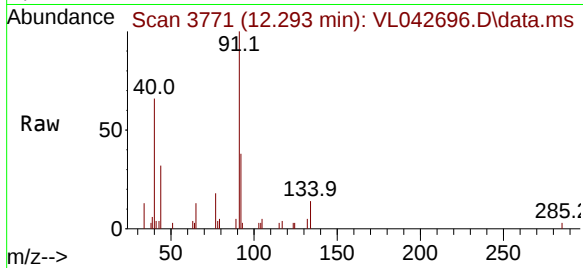




#70
n-Butylbenzene
Concen: 0.052 ppbv
RT: 12.293 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

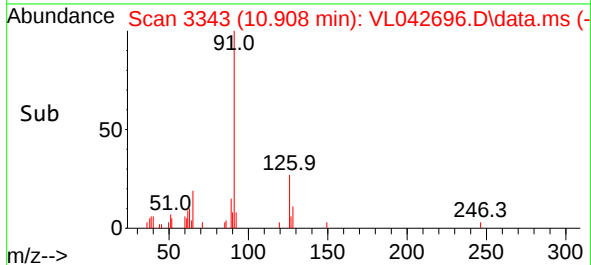
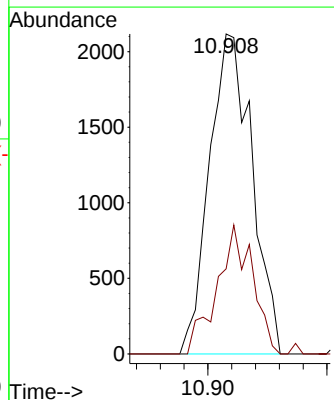
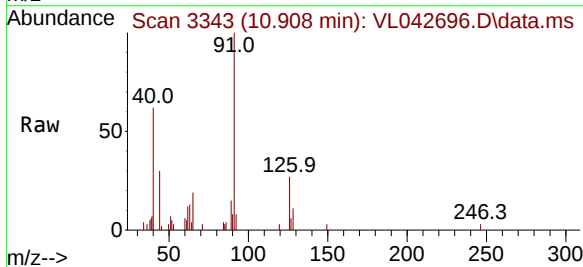
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

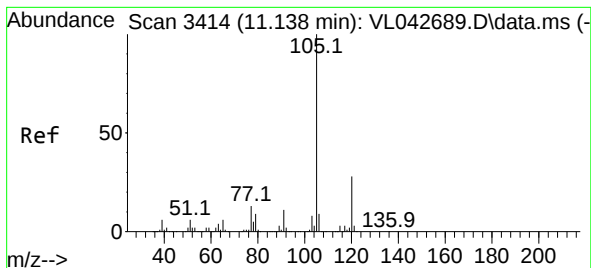
Tgt Ion: 91 Resp: 2503
Ion Ratio Lower Upper
91 100
92 46.0 44.2 66.2
134 15.9 18.6 27.8#



#71
2-Chlorotoluene
Concen: 0.078 ppbv
RT: 10.908 min Scan# 3343
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion: 91 Resp: 2631
Ion Ratio Lower Upper
91 100
126 34.1 11.8 47.4





#72

4-Ethyltoluene

Concen: 0.060 ppbv

RT: 11.134 min Scan# 3414

Delta R.T. -0.003 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion:105 Resp: 2230

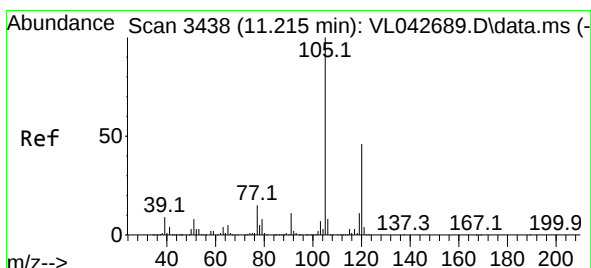
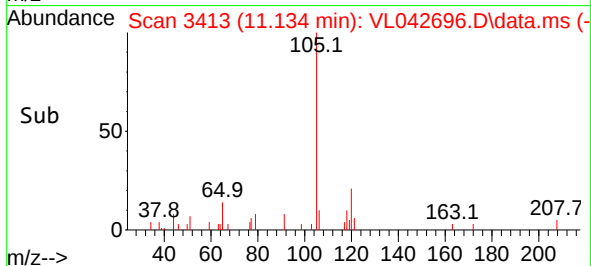
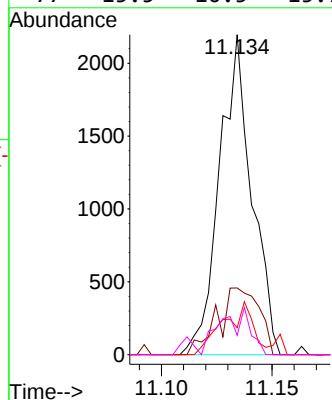
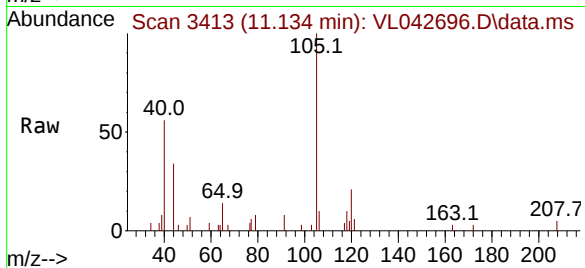
Ion Ratio Lower Upper

105 100

120 26.8 23.8 35.6

91 17.1 9.7 14.5#

77 15.5 10.5 15.7



#73

1,3,5-Trimethylbenzene

Concen: 0.040 ppbv

RT: 11.209 min Scan# 3436

Delta R.T. -0.007 min

Lab File: VL042696.D

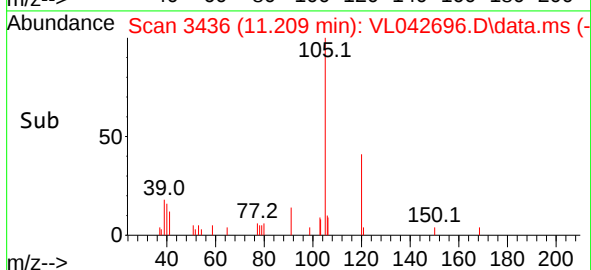
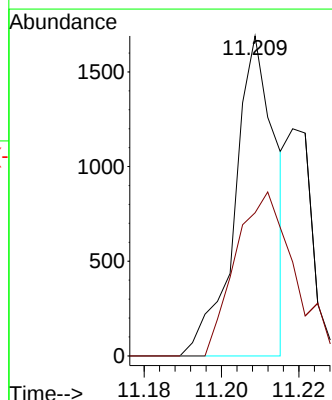
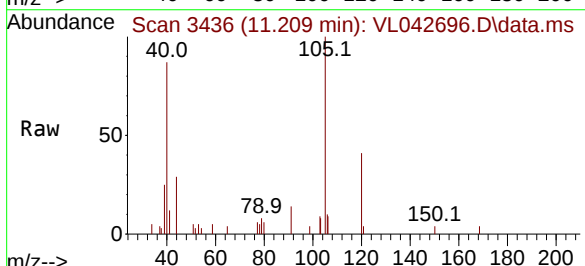
Acq: 02 Jul 2025 12:12

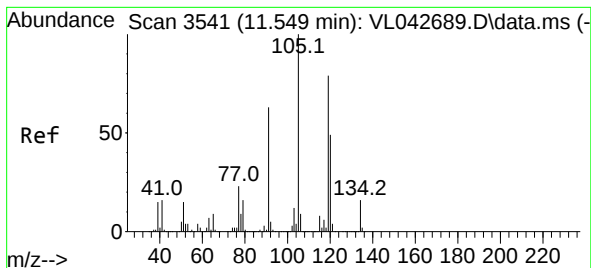
Tgt Ion:105 Resp: 1240

Ion Ratio Lower Upper

105 100

120 44.7 37.0 55.4





#74

1,2,4-Trimethylbenzene

Concen: 0.055 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. -0.007 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

Tgt Ion:105 Resp: 1958

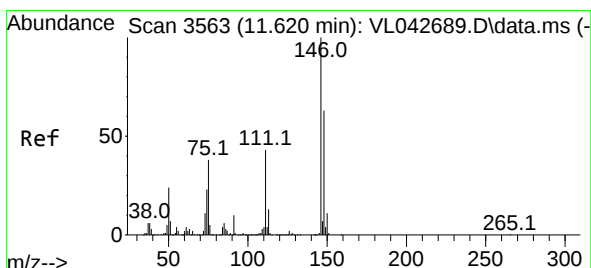
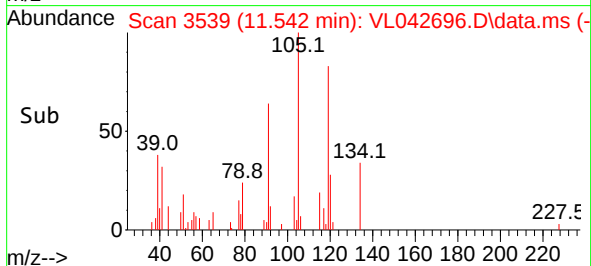
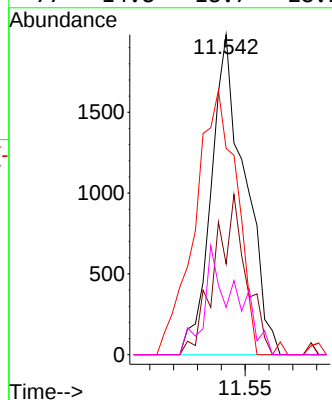
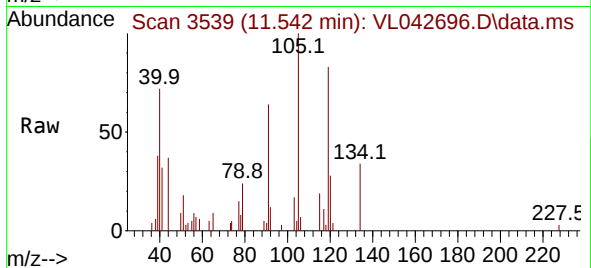
Ion Ratio Lower Upper

105 100

120 28.4 39.6 59.4#

91 60.5 51.0 76.6

77 14.8 18.7 28.1#



#75

1,3-Dichlorobenzene

Concen: 0.070 ppbv

RT: 11.613 min Scan# 3561

Delta R.T. -0.007 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

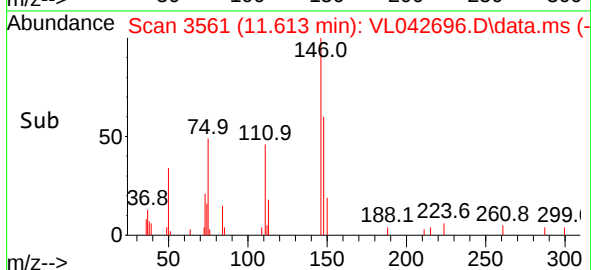
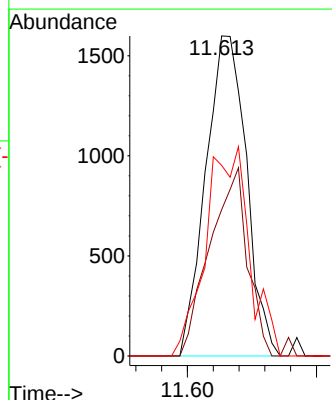
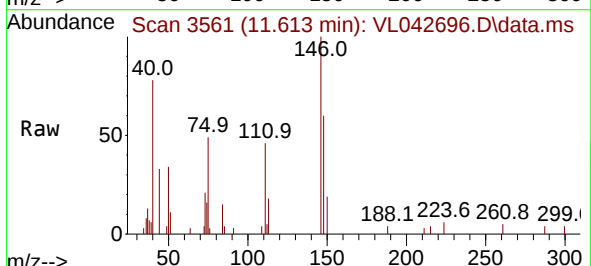
Tgt Ion:146 Resp: 1751

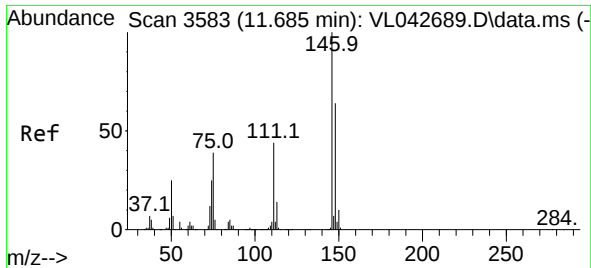
Ion Ratio Lower Upper

146 100

111 55.5 21.6 65.0

148 69.8 31.6 94.7

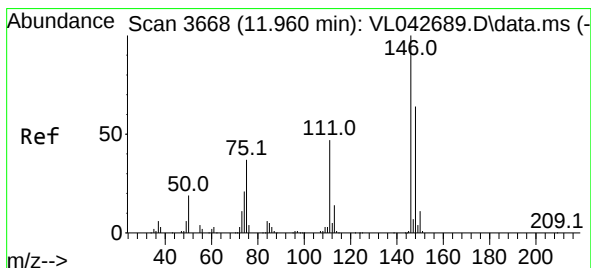
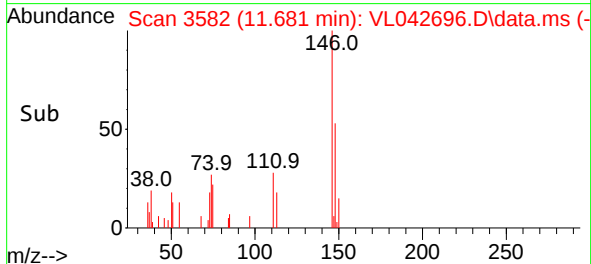
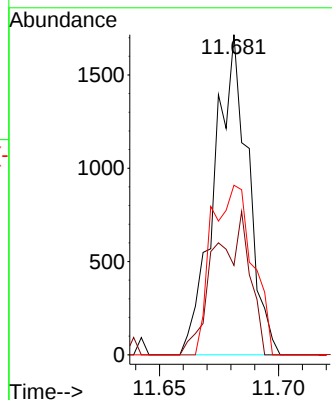
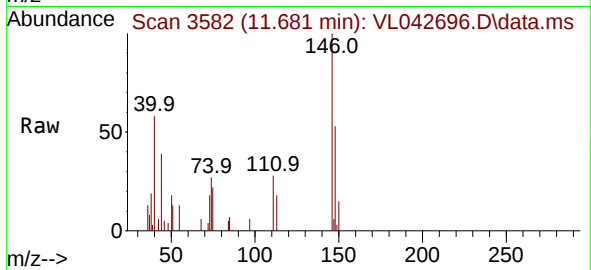




#76
1,4-Dichlorobenzene
Concen: 0.072 ppbv
RT: 11.681 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

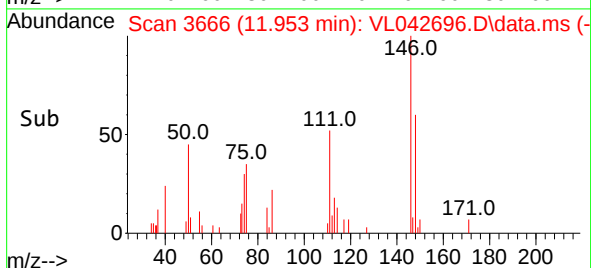
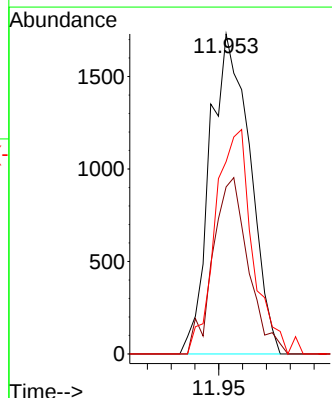
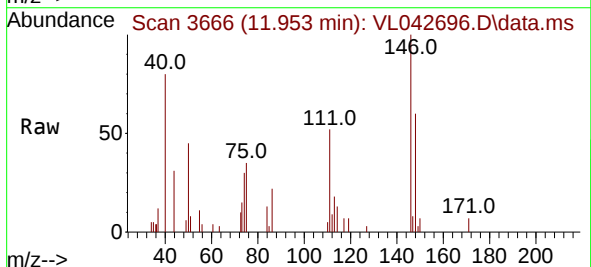
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

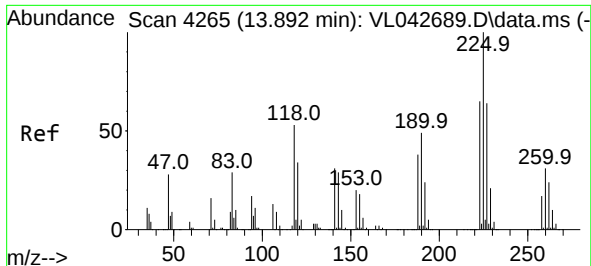
Tgt Ion:	146	Resp:	1695
Ion	Ratio	Lower	Upper
146	100		
111	46.3	21.4	64.3
148	63.9	31.8	95.4



#77
1,2-Dichlorobenzene
Concen: 0.080 ppbv
RT: 11.953 min Scan# 3666
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion:	146	Resp:	2020
Ion	Ratio	Lower	Upper
146	100		
111	48.6	22.9	68.8
148	65.6	31.9	95.7

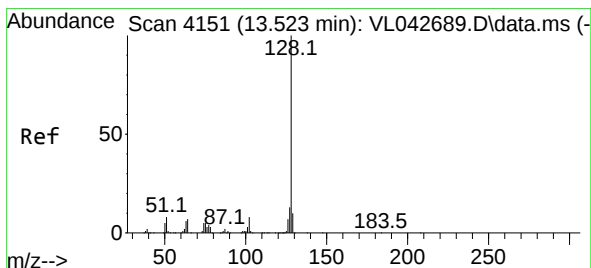
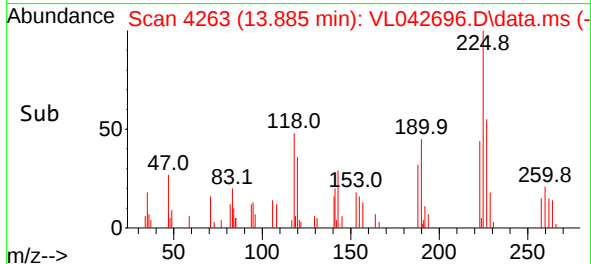
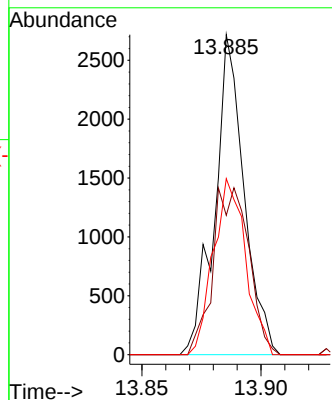
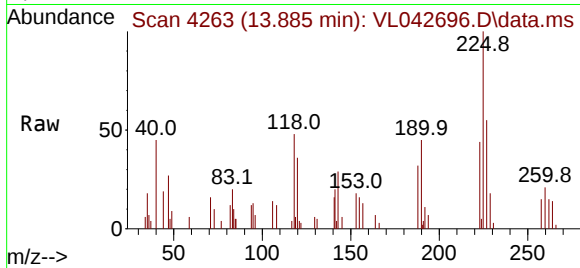




#78
Hexachloro-1,3-Butadiene
Concen: 0.119 ppbv
RT: 13.885 min Scan# 4150
Delta R.T. -0.007 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

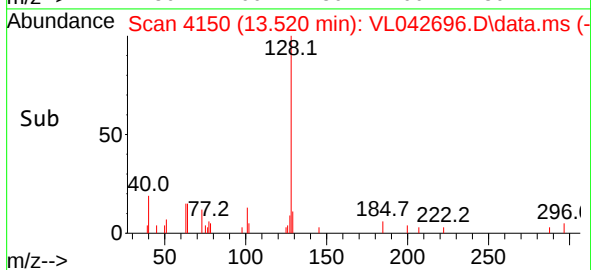
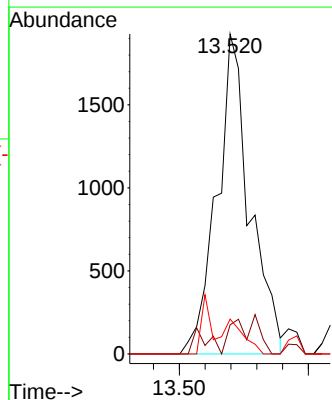
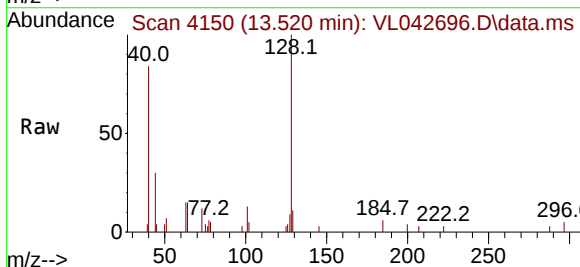
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

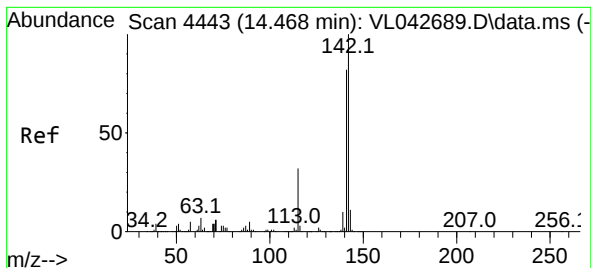
Tgt Ion:225 Resp: 2329
Ion Ratio Lower Upper
225 100
223 64.2 50.5 75.7
227 60.6 50.0 75.0



#79
Naphthalene
Concen: 0.058 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. -0.003 min
Lab File: VL042696.D
Acq: 02 Jul 2025 12:12

Tgt Ion:128 Resp: 1697
Ion Ratio Lower Upper
128 100
127 9.1 10.2 15.4#
129 10.9 8.2 12.2





#80

Naphthalene, 2-methyl-

Concen: 0.053 ppbv

RT: 14.478 min Scan# 4443

Delta R.T. 0.010 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1

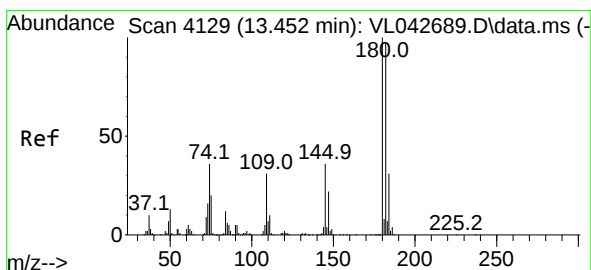
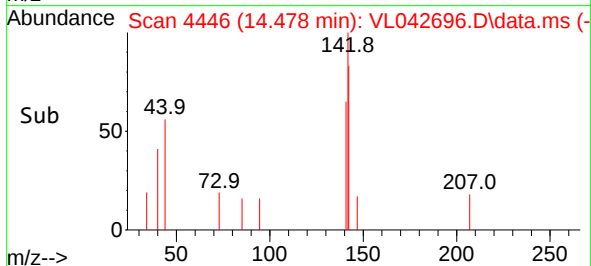
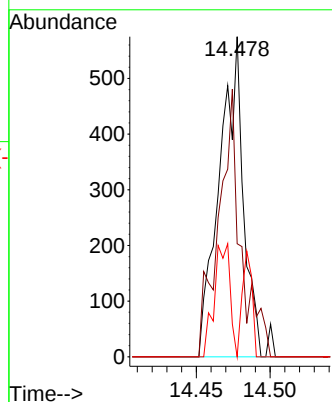
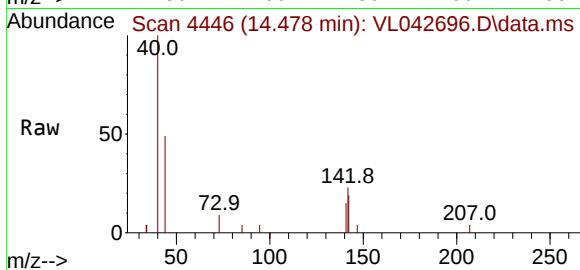
Tgt Ion:142 Resp: 659

Ion Ratio Lower Upper

142 100

141 76.3 67.4 101.2

115 36.3 26.9 40.3



#81

1,2,4-Trichlorobenzene

Concen: 0.071 ppbv

RT: 13.445 min Scan# 4127

Delta R.T. -0.007 min

Lab File: VL042696.D

Acq: 02 Jul 2025 12:12

Tgt Ion:180 Resp: 1233

Ion Ratio Lower Upper

180 100

182 72.9 76.7 115.1#

184 21.6 24.4 36.6#

