

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042690.D
 Acq On : 02 Jul 2025 08:56
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Jul 03 01:25:48 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	2.794	49	120042	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	312860	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	271598	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	211854	10.141	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.502	85	26783	2.131	ppbv	97
3) Chlorodifluoromethane	1.480	51	38872	2.069	ppbv	100
4) Chloromethane	1.535	50	10573	2.145	ppbv	89
5) Vinyl Chloride	1.583	62	9733	1.965	ppbv	99
6) Bromomethane	1.671	94	4273	1.931	ppbv	97
7) Chloroethane	1.706	64	4013	2.110	ppbv	97
8) Dichlorotetrafluoroethane	1.557	85	21841	2.098	ppbv	100
9) Propene	1.486	41	15391	2.189	ppbv	95
10) Heptane	4.995	43	20800	1.090	ppbv #	28
11) Trichlorofluoromethane	1.881	101	28523	2.153	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.143	101	21456	2.046	ppbv	95
13) Ethanol	1.726	45	1757	2.630	ppbv	95
14) Bromoethene	1.784	108	7746	2.119	ppbv #	96
15) Acetone	1.839	43	25238	2.120	ppbv	97
16) 1,3-Butadiene	1.612	39	11117	2.026	ppbv	99
17) tert-Butyl alcohol	2.046	59	23997	2.066	ppbv	97
18) 1,1-Dichloroethene	2.040	96	10032	2.153	ppbv	94
19) Isopropyl Alcohol	1.891	45	14705	2.149	ppbv #	1
20) Methylene Chloride	2.066	84	9338	2.051	ppbv	97
21) Allyl Chloride	2.101	41	17280	2.081	ppbv	98
22) trans-1,2-Dichloroethene	2.347	96	11093	2.186	ppbv	94
23) Vinyl Acetate	2.467	43	39372	2.044	ppbv #	98
24) 1,1-Dichloroethane	2.415	63	21916	2.089	ppbv	99
25) Ethyl Acetate	2.842	43	77767	2.159	ppbv	100
26) Hexane	2.833	57	32281	2.148	ppbv	98
27) Carbon Disulfide	2.156	76	25545	2.085	ppbv #	85
28) Methyl tert-Butyl Ether	2.451	73	14297	2.326	ppbv	100
29) Chloroform	2.855	83	48759	2.148	ppbv	92
30) Cyclohexane	3.872	84	24389	2.148	ppbv	95
31) cis-1,2-Dichloroethene	2.729	61	29632	2.072	ppbv	100
32) 1,1,1-Trichloroethane	3.376	97	41283	1.903	ppbv	98
34) 2-Butanone	2.564	43	51845	2.094	ppbv	97
35) Carbon Tetrachloride	3.771	117	41742	1.924	ppbv	94
36) Benzene	3.664	78	64694	2.052	ppbv	98
37) 1,2-Dichloroethane	3.224	62	33990	2.030	ppbv	97
38) Trichloroethene	4.561	130	27249	2.000	ppbv	89
39) 1,2-Dichloropropane	4.321	63	25320	2.058	ppbv #	84
40) 1,4-Dioxane	4.600	88	6092	1.289	ppbv #	42
41) Tetrahydrofuran	3.066	42	25677	2.035	ppbv	97
42) Bromodichloromethane	4.499	83	48408	2.041	ppbv	96
43) Methyl Methacrylate	4.898	69	20355	2.010	ppbv	97
44) 2,2,4-Trimethylpentane	4.652	57	112040	2.129	ppbv	98
45) t-1,3-Dichloropropene	6.432	75	19895	1.869	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070225\
 Data File : VL042690.D
 Acq On : 02 Jul 2025 08:56
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

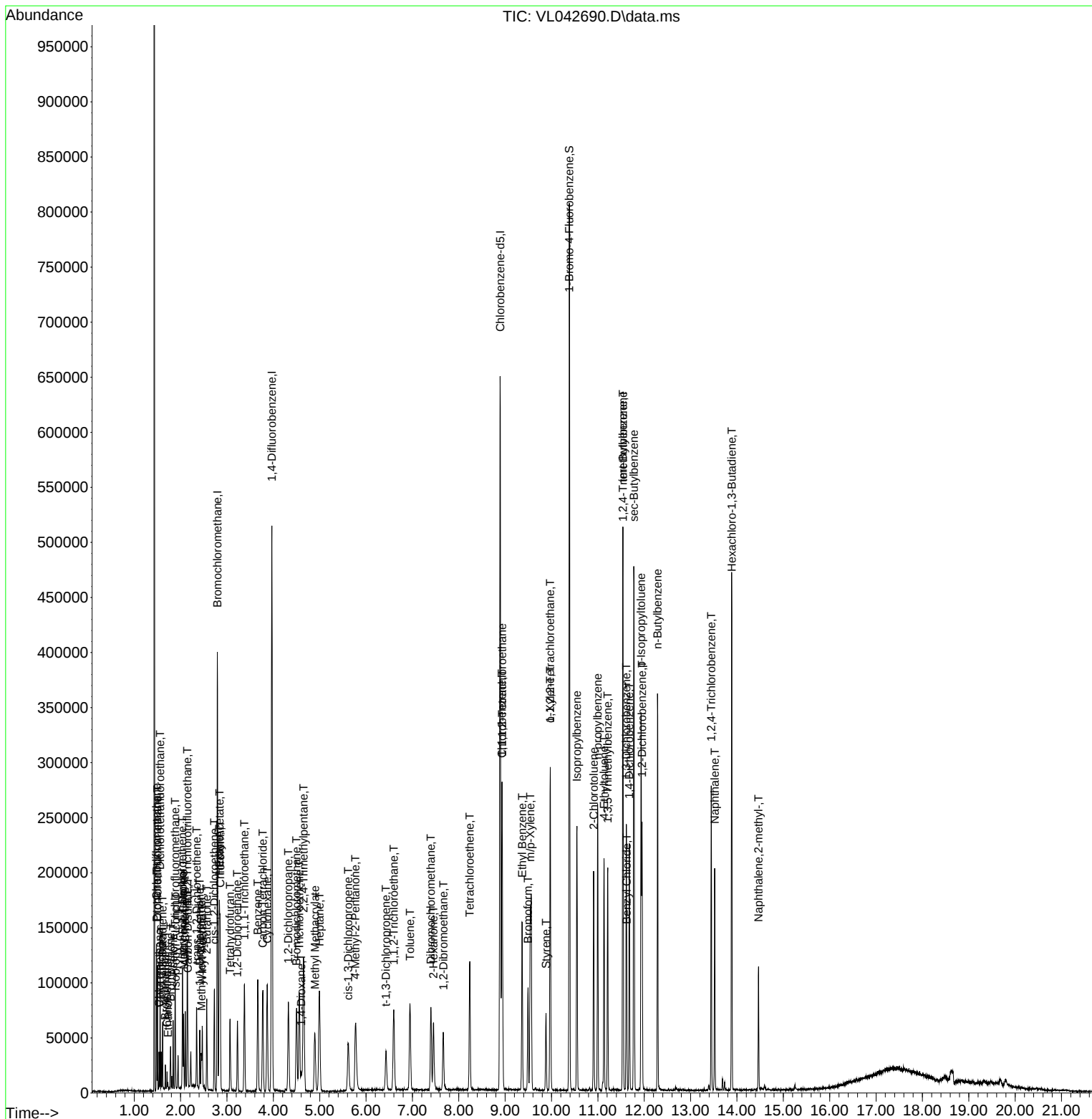
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

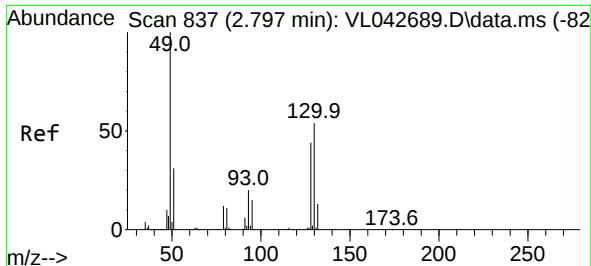
Quant Time: Jul 03 01:25:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL070225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 03 01:24:10 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.613	75	15132	1.031	ppbv	97
47) 1,1,2-Trichloroethane	6.597	97	15242	1.258	ppbv #	91
48) Dibromochloromethane	7.396	129	38842	2.094	ppbv	99
49) Bromoform	9.494	173	32624	2.037	ppbv	98
50) 4-Methyl-2-Pentanone	5.771	43	58107	2.008	ppbv	99
51) 2-Hexanone	7.451	43	42828	2.026	ppbv #	99
52) Tetrachloroethene	8.238	164	21125	1.997	ppbv	92
53) Toluene	6.950	91	59500	2.021	ppbv	100
54) 1,2-Dibromoethane	7.668	107	34397	2.035	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.937	131	30008	2.043	ppbv	94
57) Chlorobenzene	8.930	112	57600	2.114	ppbv #	92
58) Ethyl Benzene	9.367	91	82202	2.093	ppbv	98
59) m/p-Xylene	9.545	91	63944	1.943	ppbv #	30
60) o-Xylene	9.973	91	71539	2.211	ppbv	95
61) Styrene	9.882	104	25203	1.982	ppbv	98
62) Isopropylbenzene	10.549	105	106122	2.172	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.973	83	51423	2.063	ppbv	99
64) n-propylbenzene	10.995	120	27567	2.204	ppbv	91
65) tert-Butylbenzene	11.539	119	96905	2.318	ppbv	98
66) Benzyl Chloride	11.623	91	8222	2.030	ppbv	99
67) sec-Butylbenzene	11.775	105	144413	2.255	ppbv	99
69) p-Isopropyltoluene	11.934	119	116378	2.283	ppbv	100
70) n-Butylbenzene	12.287	91	119746	2.332	ppbv	98
71) 2-Chlorotoluene	10.911	91	76582	2.119	ppbv	99
72) 4-Ethyltoluene	11.135	105	87315	2.211	ppbv	98
73) 1,3,5-Trimethylbenzene	11.212	105	73219	2.199	ppbv	98
74) 1,2,4-Trimethylbenzene	11.542	105	87853	2.313	ppbv	97
75) 1,3-Dichlorobenzene	11.614	146	56931	2.136	ppbv	98
76) 1,4-Dichlorobenzene	11.678	146	54426	2.152	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	59993	2.229	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	49131	2.343	ppbv	100
79) Naphthalene	13.520	128	89795	2.852	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	31532	2.395	ppbv	98
81) 1,2,4-Trichlorobenzene	13.446	180	46047	2.493	ppbv	100

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

Quant Time: Jul 03 01:25:48 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

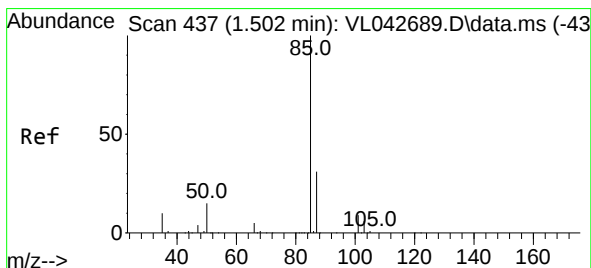
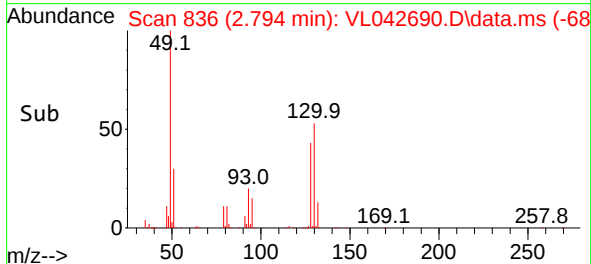
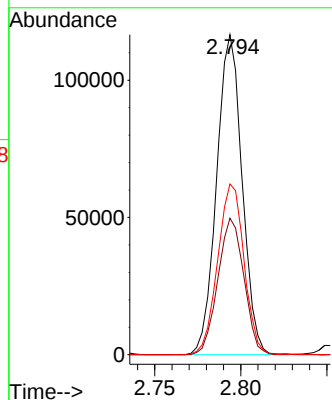
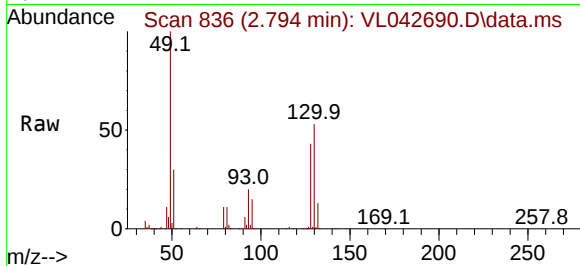




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.794 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

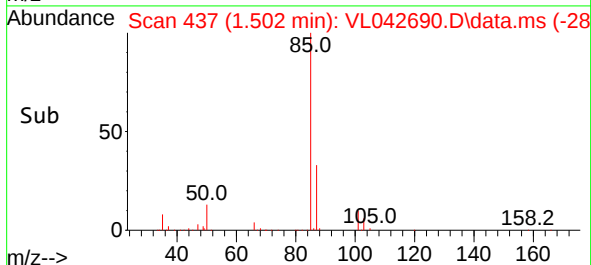
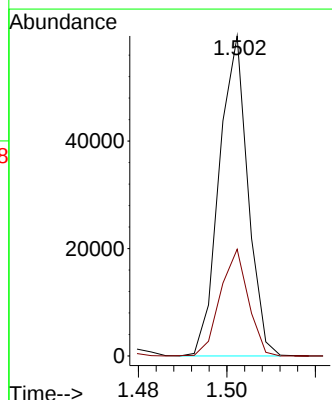
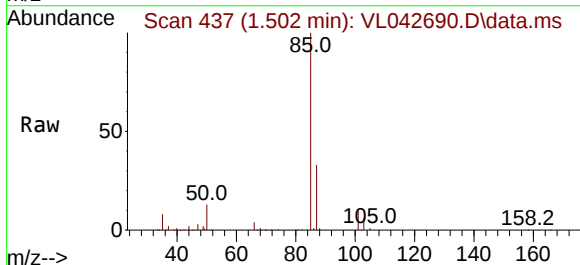
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

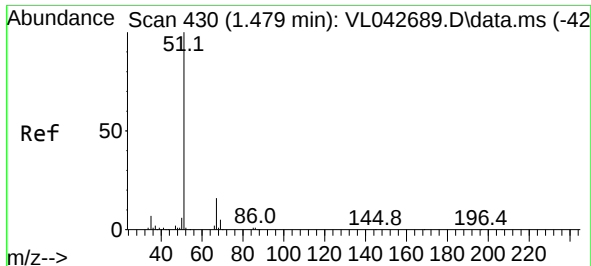
Tgt Ion: 49 Resp: 120042
 Ion Ratio Lower Upper
 49 100
 128 43.5 21.4 64.2
 130 55.1 28.0 84.0



#2
 Dichlorodifluoromethane
 Concen: 2.131 ppbv
 RT: 1.502 min Scan# 437
 Delta R.T. 0.000 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion: 85 Resp: 26783
 Ion Ratio Lower Upper
 85 100
 87 33.3 25.1 37.7

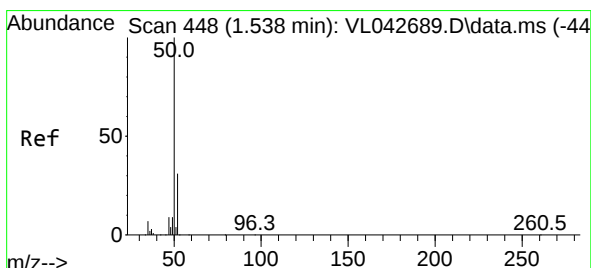
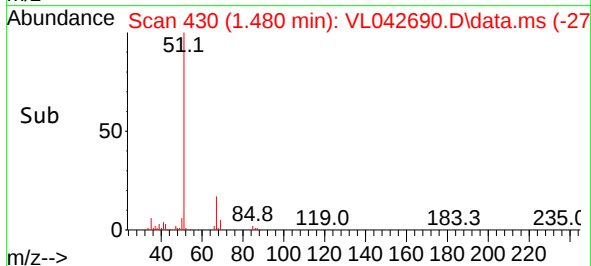
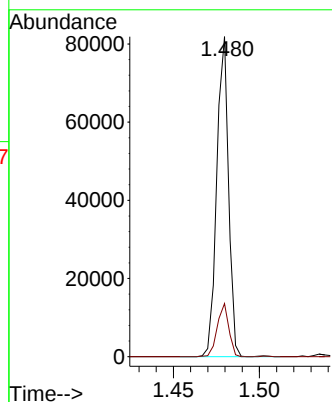
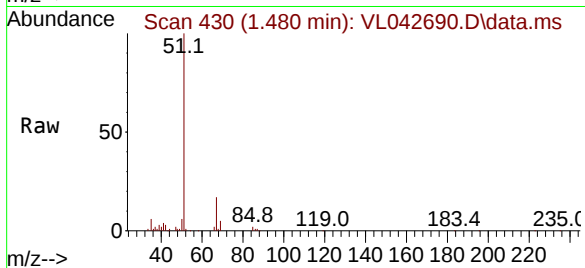




#3
Chlorodifluoromethane
Concen: 2.069 ppbv
RT: 1.480 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

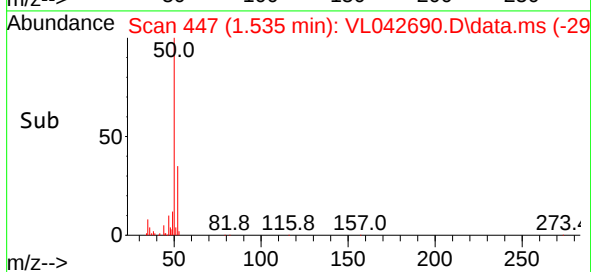
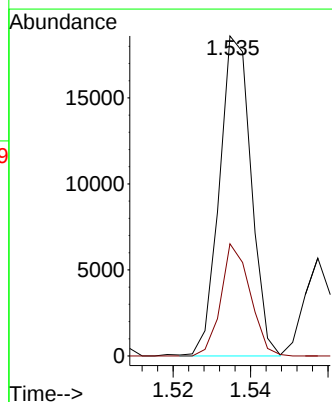
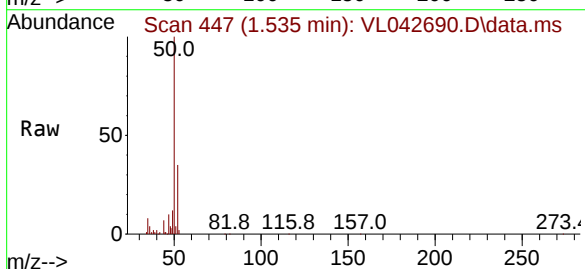
Instrument :
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ClientSampleId :
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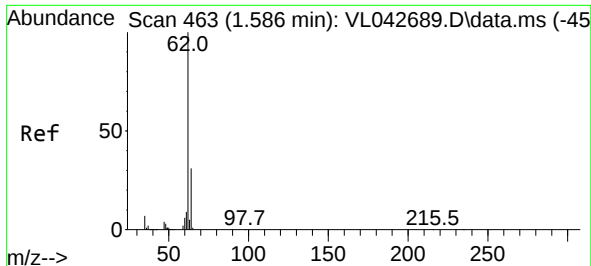
Tgt Ion: 51 Resp: 38872
Ion Ratio Lower Upper
51 100
67 16.3 13.1 19.7



#4
Chloromethane
Concen: 2.145 ppbv
RT: 1.535 min Scan# 447
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 50 Resp: 10573
Ion Ratio Lower Upper
50 100
52 37.0 24.8 37.2

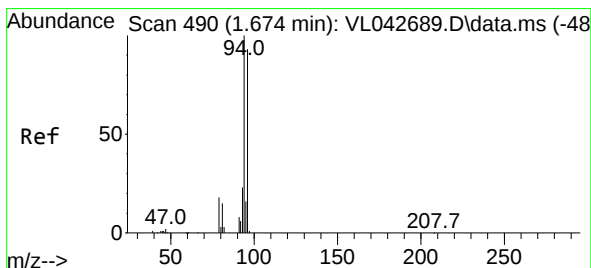
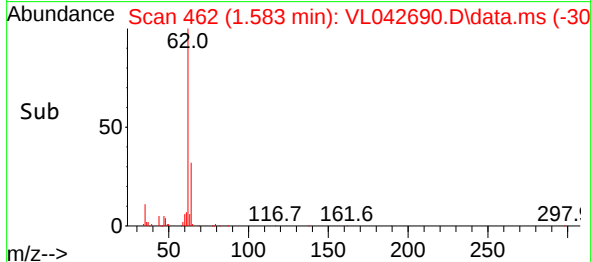
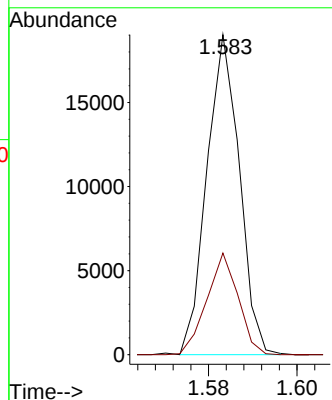
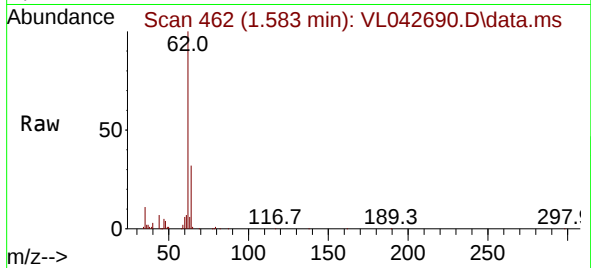




#5
 Vinyl Chloride
 Concen: 1.965 ppbv
 RT: 1.583 min Scan# 462
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

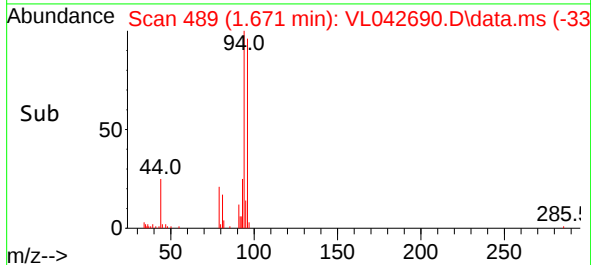
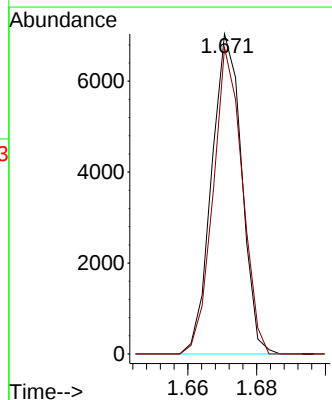
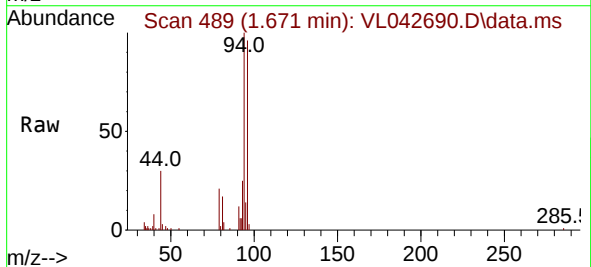
Instrument :
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 ClientSampleId :
 VSTDIC002

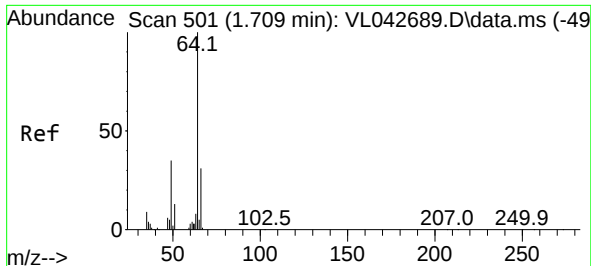
Tgt Ion: 62 Resp: 9733
 Ion Ratio Lower Upper
 62 100
 64 31.8 25.1 37.7



#6
 Bromomethane
 Concen: 1.931 ppbv
 RT: 1.671 min Scan# 489
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion: 94 Resp: 4273
 Ion Ratio Lower Upper
 94 100
 96 95.8 74.6 112.0

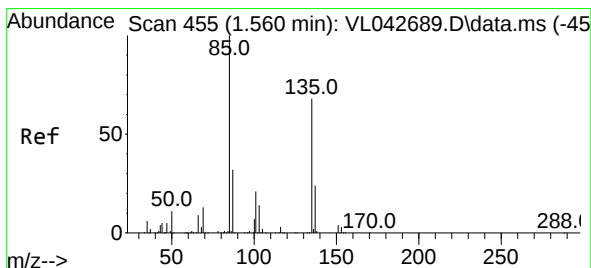
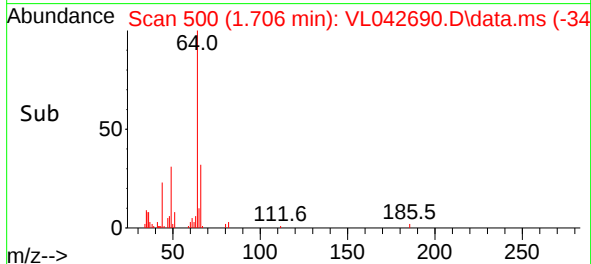
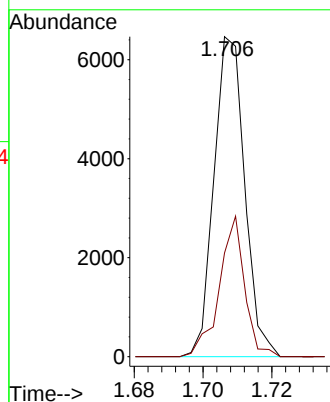
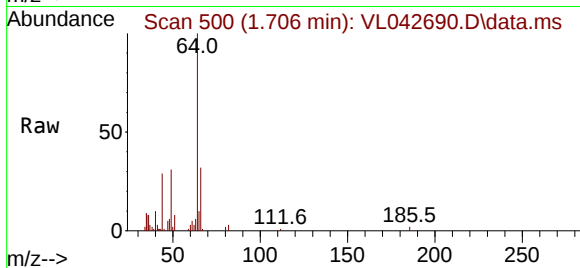




#7
Chloroethane
Concen: 2.110 ppbv
RT: 1.706 min Scan# 501
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

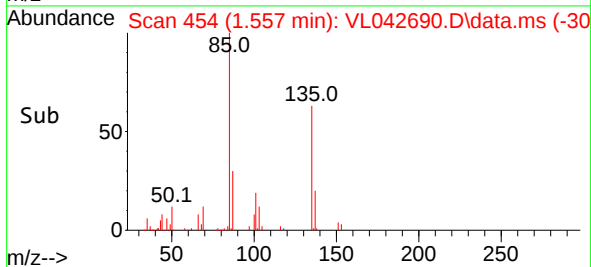
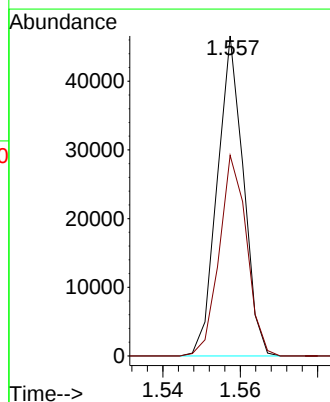
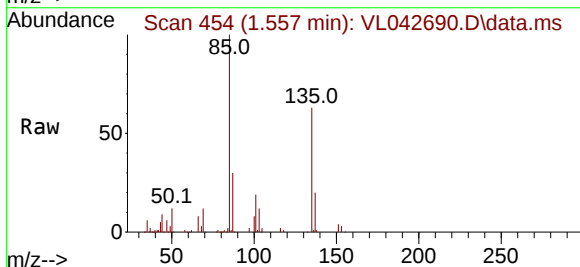
Instrument :
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ClientSampleId :
VSTDIC002

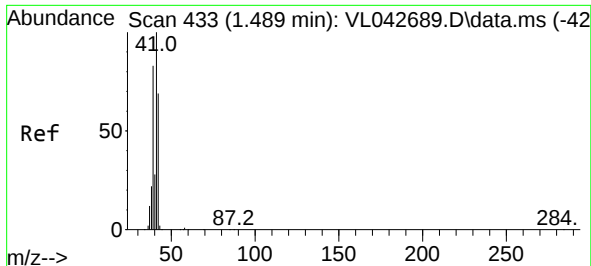
Tgt Ion: 64 Resp: 4013
Ion Ratio Lower Upper
64 100
66 32.4 24.7 37.1



#8
Dichlorotetrafluoroethane
Concen: 2.098 ppbv
RT: 1.557 min Scan# 454
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 85 Resp: 21841
Ion Ratio Lower Upper
85 100
135 66.0 52.6 79.0





#9

Propene

Concen: 2.189 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

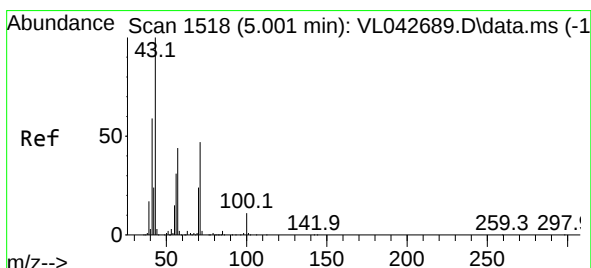
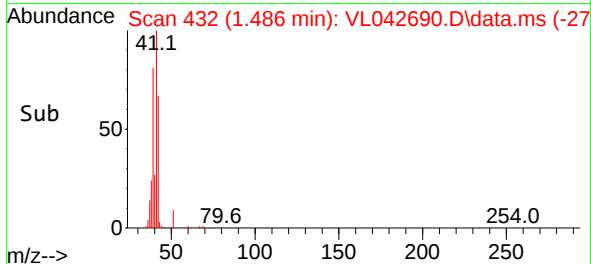
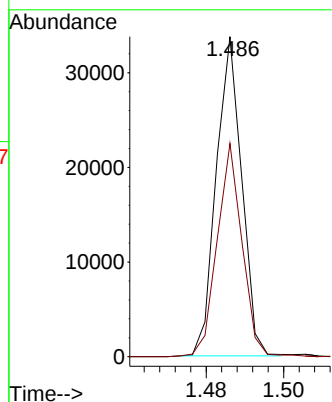
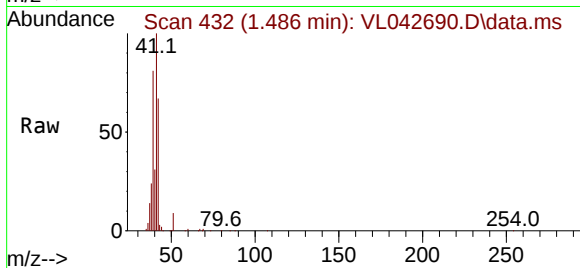
VSTDIC002

Tgt Ion: 41 Resp: 15391

Ion Ratio Lower Upper

41 100

42 65.7 55.6 83.4



#10

Heptane

Concen: 1.090 ppbv

RT: 4.995 min Scan# 1516

Delta R.T. -0.006 min

Lab File: VL042690.D

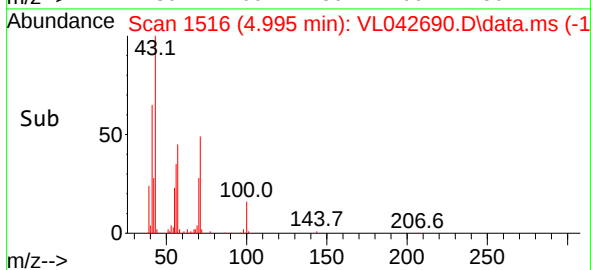
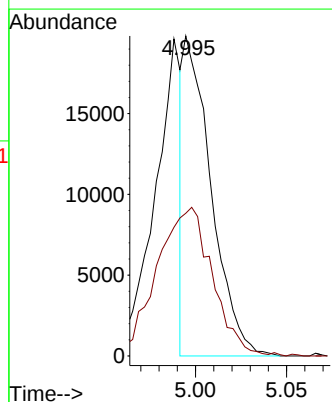
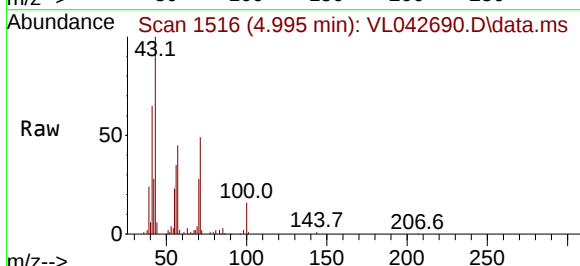
Acq: 02 Jul 2025 08:56

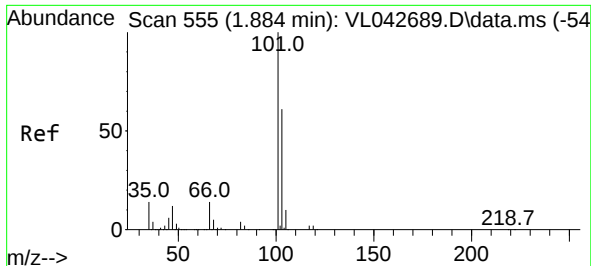
Tgt Ion: 43 Resp: 20800

Ion Ratio Lower Upper

43 100

57 94.8 37.4 56.0#

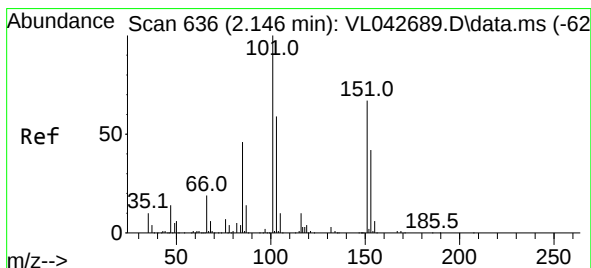
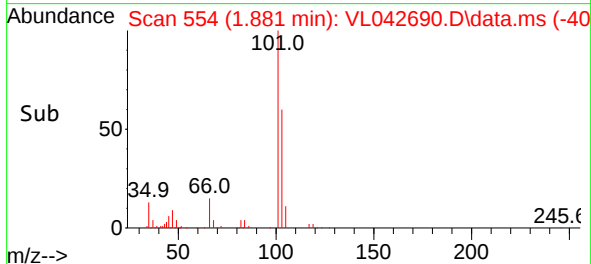
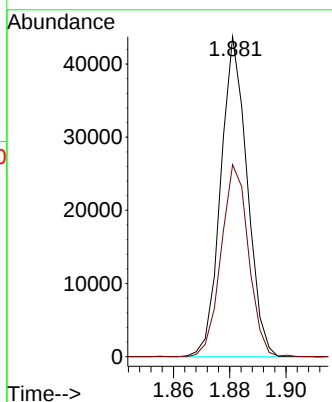
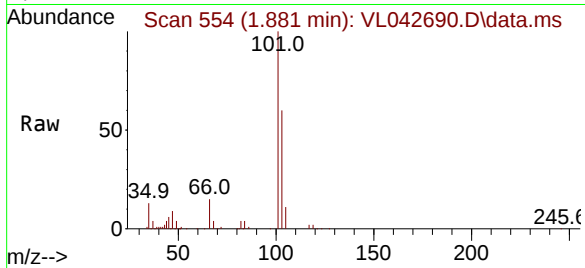




#11
 Trichlorofluoromethane
 Concen: 2.153 ppbv
 RT: 1.881 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

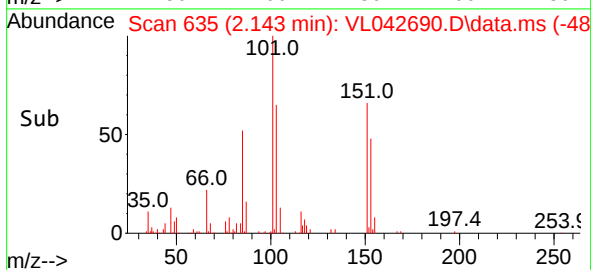
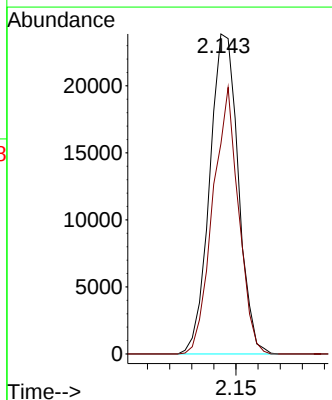
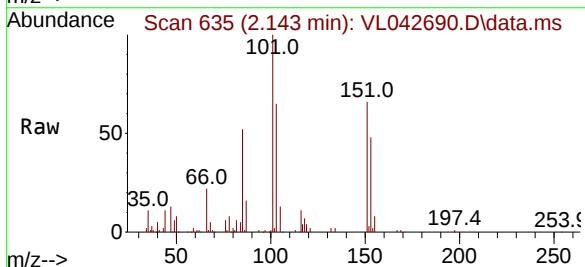
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

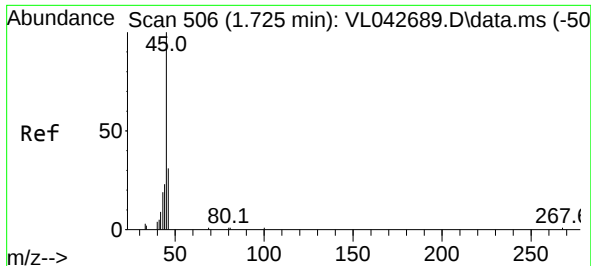
Tgt Ion:101 Resp: 28523
 Ion Ratio Lower Upper
 101 100
 103 60.0 48.9 73.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.046 ppbv
 RT: 2.143 min Scan# 635
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion:101 Resp: 21456
 Ion Ratio Lower Upper
 101 100
 151 75.1 56.6 84.8

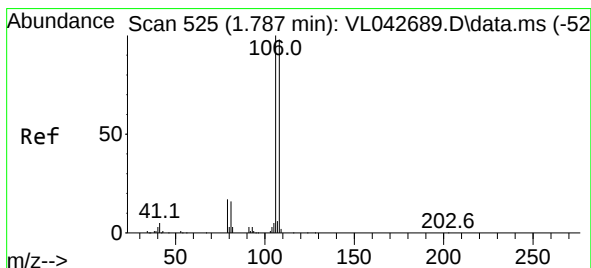
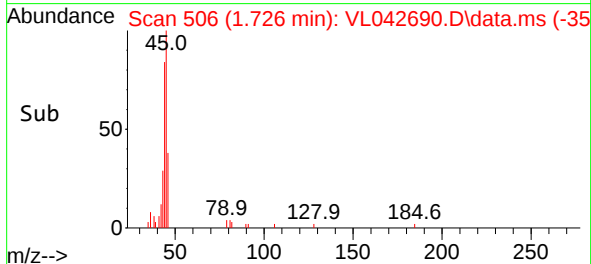
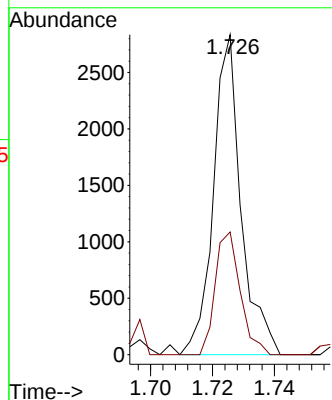
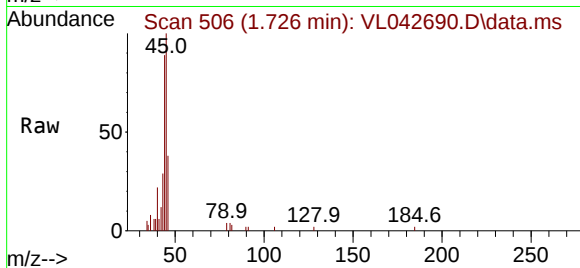




#13
Ethanol
Concen: 2.630 ppbv
RT: 1.726 min Scan# 506
Delta R.T. 0.000 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

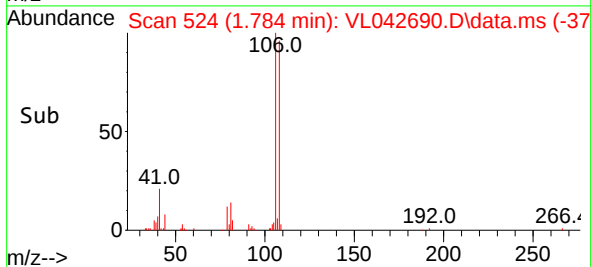
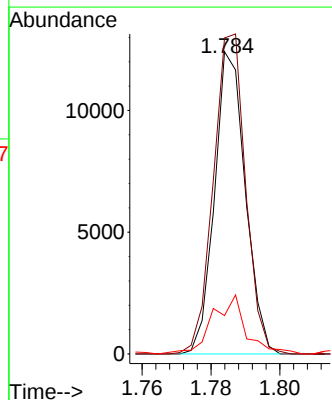
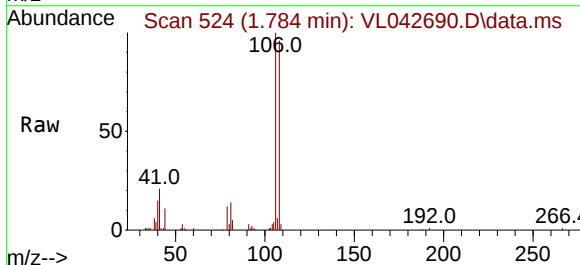
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

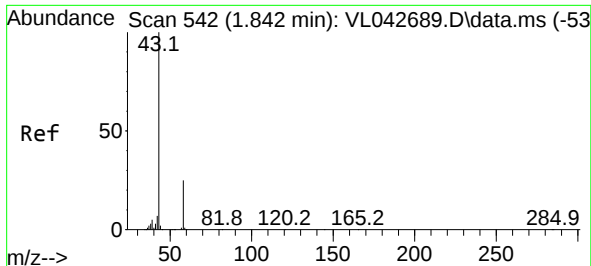
Tgt Ion: 45 Resp: 1757
Ion Ratio Lower Upper
45 100
46 34.7 15.2 60.8



#14
Bromoethene
Concen: 2.119 ppbv
RT: 1.784 min Scan# 524
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 108 Resp: 7746
Ion Ratio Lower Upper
108 100
106 110.4 85.9 128.9
79 22.1 14.5 21.7#

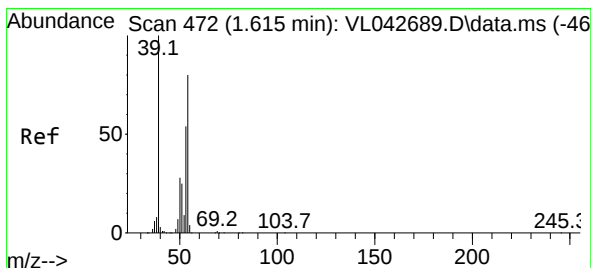
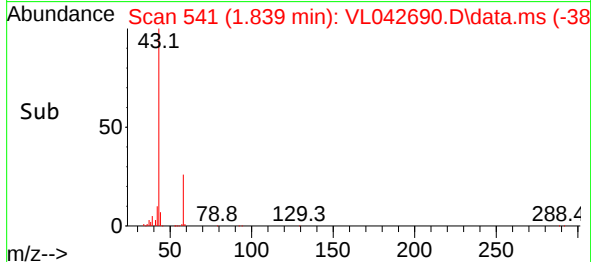
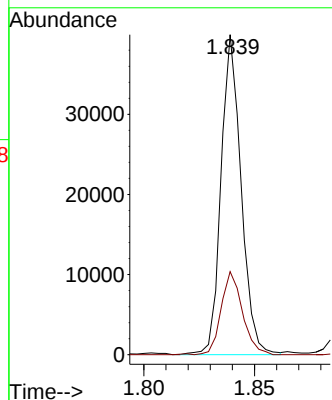
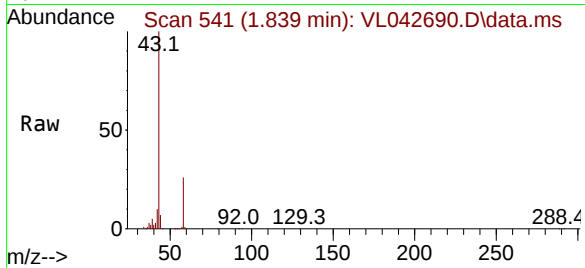




#15
Acetone
Concen: 2.120 ppbv
RT: 1.839 min Scan# 541
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

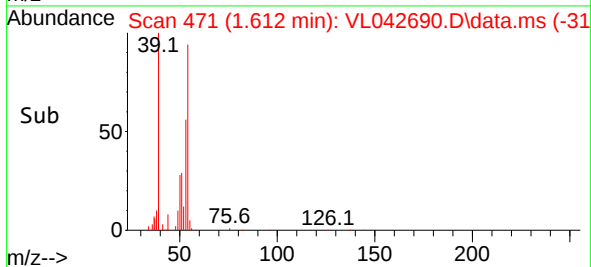
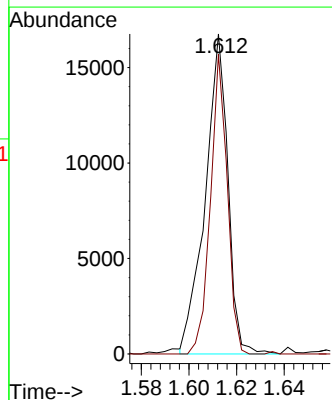
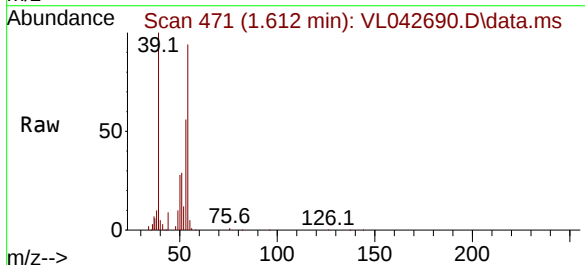
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

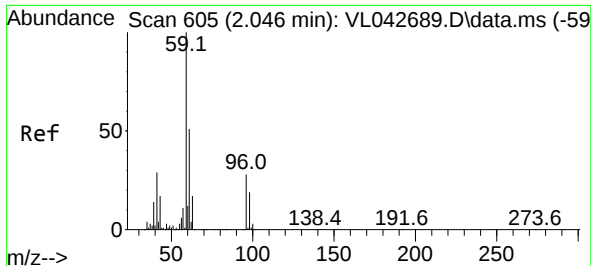
Tgt Ion: 43 Resp: 25238
Ion Ratio Lower Upper
43 100
58 27.5 20.6 31.0



#16
1,3-Butadiene
Concen: 2.026 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 39 Resp: 11117
Ion Ratio Lower Upper
39 100
54 69.4 54.9 82.3

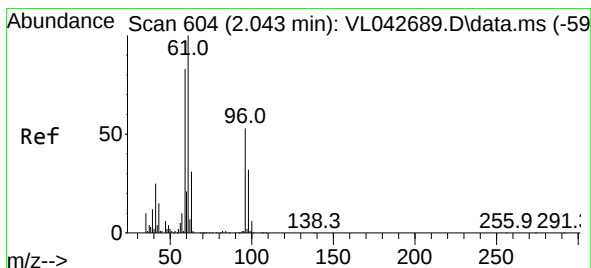
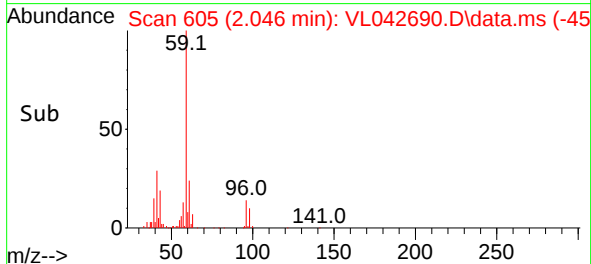
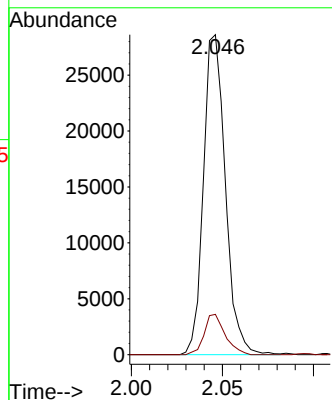
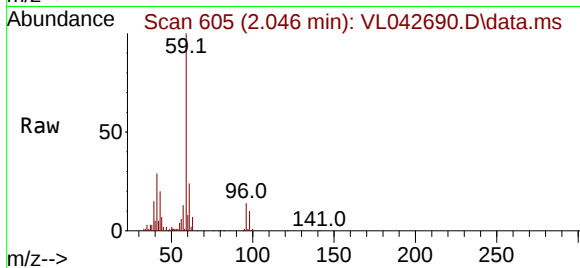




#17
tert-Butyl alcohol
Concen: 2.066 ppbv
RT: 2.046 min Scan# 605
Delta R.T. 0.000 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

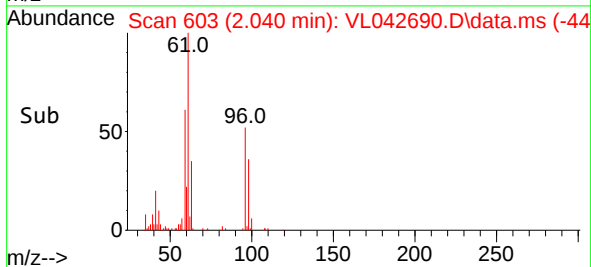
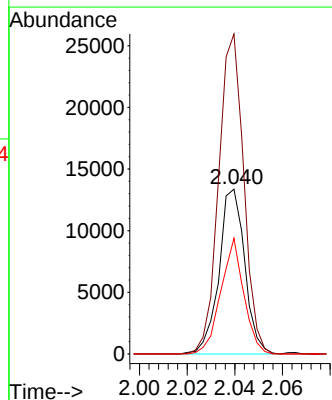
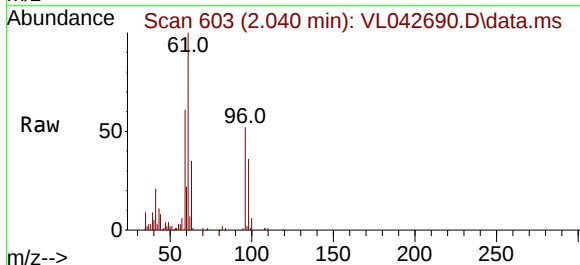
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

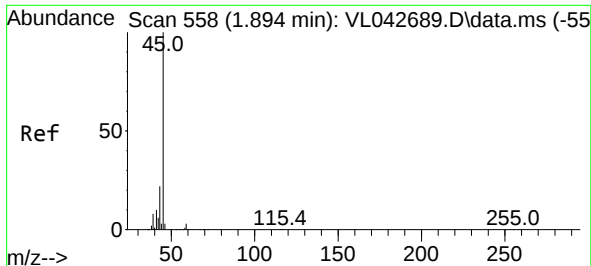
Tgt Ion: 59 Resp: 23997
Ion Ratio Lower Upper
59 100
57 12.0 8.8 13.2



#18
1,1-Dichloroethene
Concen: 2.153 ppbv
RT: 2.040 min Scan# 603
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 96 Resp: 10032
Ion Ratio Lower Upper
96 100
61 194.1 151.0 226.6
98 70.2 49.0 73.4

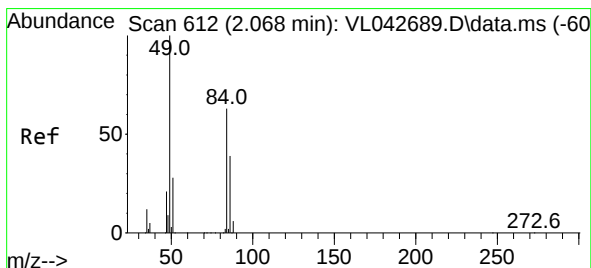
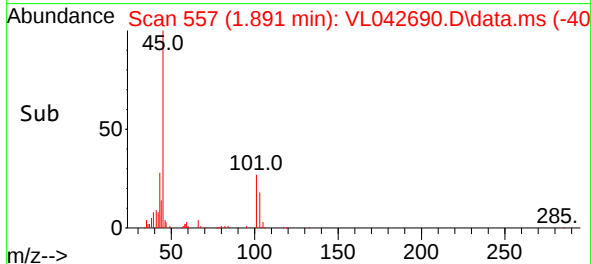
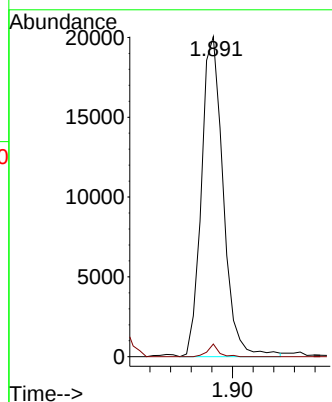
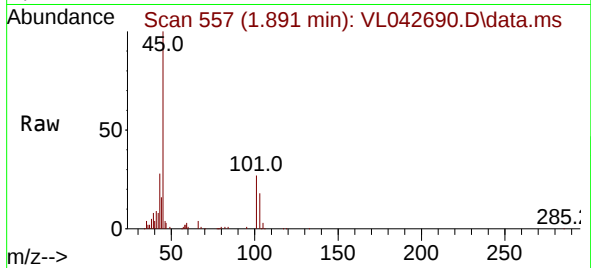




#19
Isopropyl Alcohol
Concen: 2.149 ppbv
RT: 1.891 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

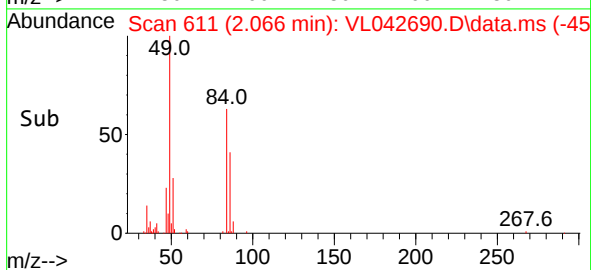
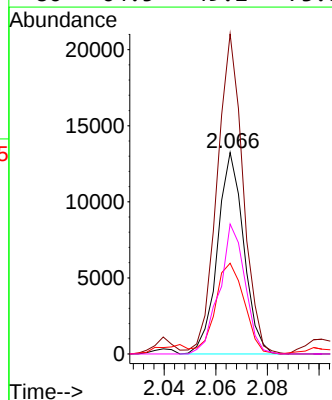
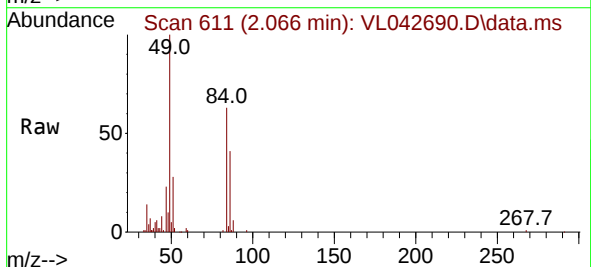
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

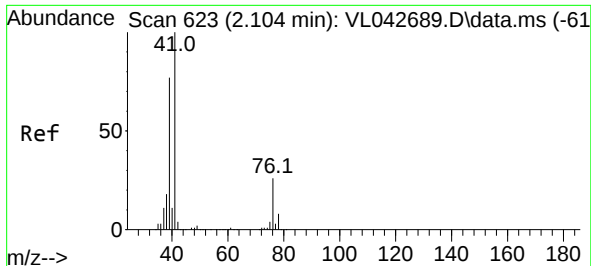
Tgt Ion: 45 Resp: 14705
Ion Ratio Lower Upper
45 100
58 47.2 1.4 2.2#



#20
Methylene Chloride
Concen: 2.051 ppbv
RT: 2.066 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 84 Resp: 9338
Ion Ratio Lower Upper
84 100
49 158.2 128.6 193.0
51 45.0 37.4 56.2
86 64.5 49.2 73.8

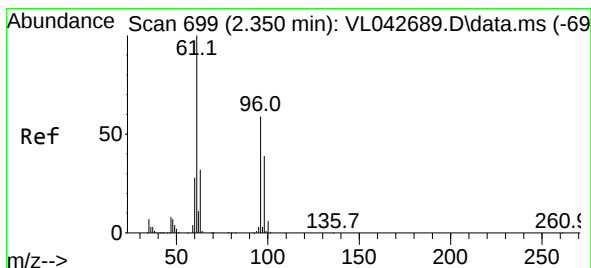
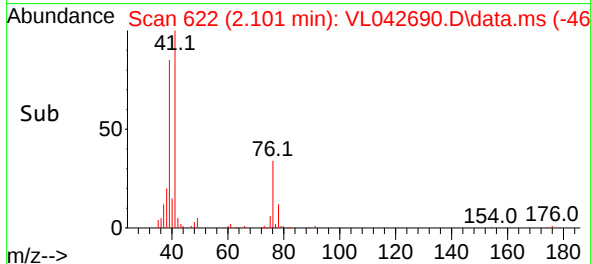
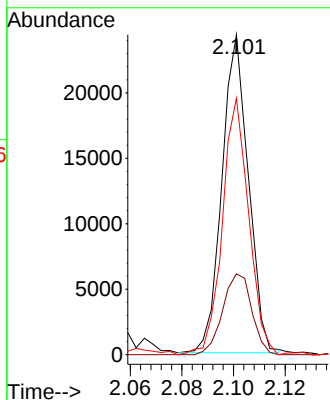
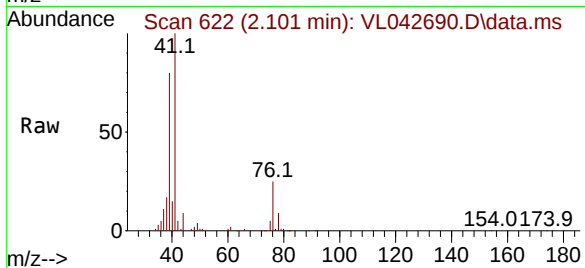




#21
 Allyl Chloride
 Concen: 2.081 ppbv
 RT: 2.101 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

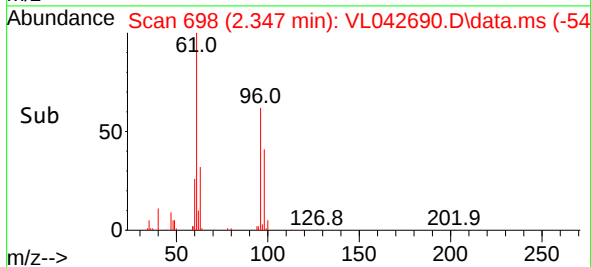
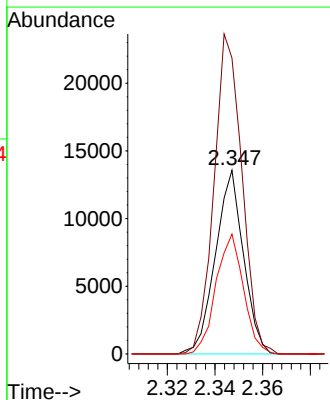
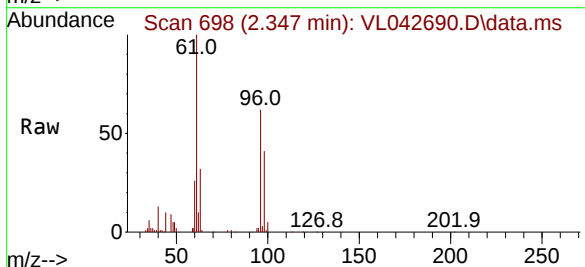
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

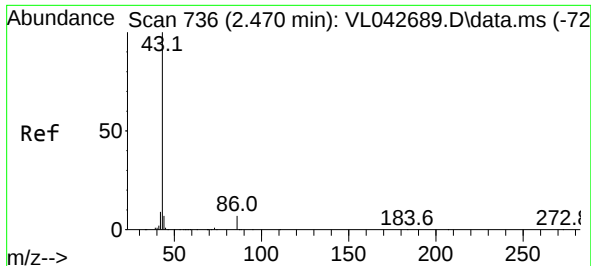
Tgt Ion: 41 Resp: 17280
 Ion Ratio Lower Upper
 41 100
 76 28.0 21.7 32.5
 39 81.0 63.4 95.2



#22
 trans-1,2-Dichloroethene
 Concen: 2.186 ppbv
 RT: 2.347 min Scan# 698
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion: 96 Resp: 11093
 Ion Ratio Lower Upper
 96 100
 61 161.1 136.5 204.7
 98 65.3 53.5 80.3

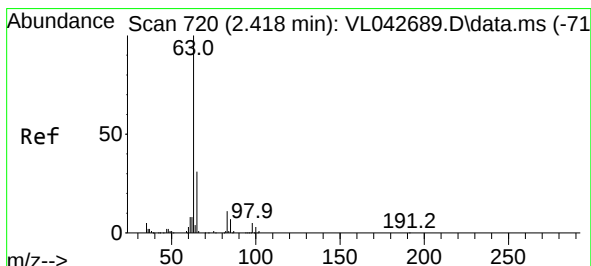
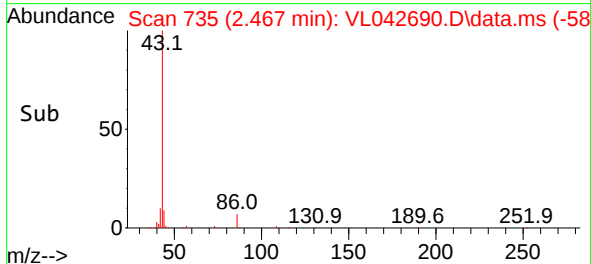
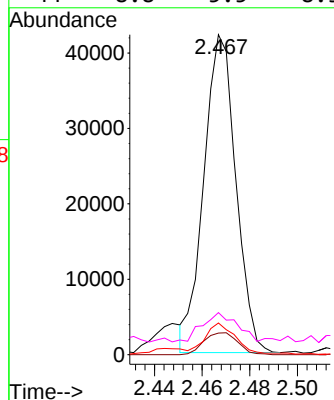
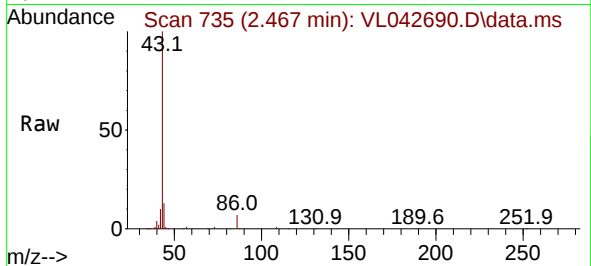




#23
 Vinyl Acetate
 Concen: 2.044 ppbv
 RT: 2.467 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

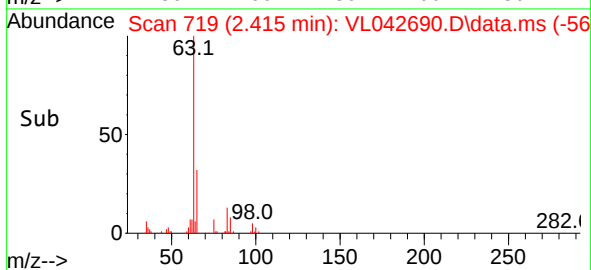
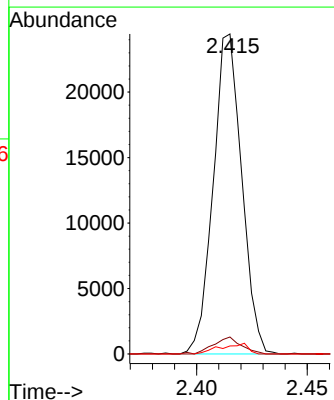
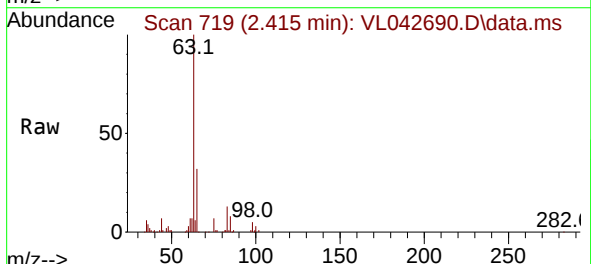
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

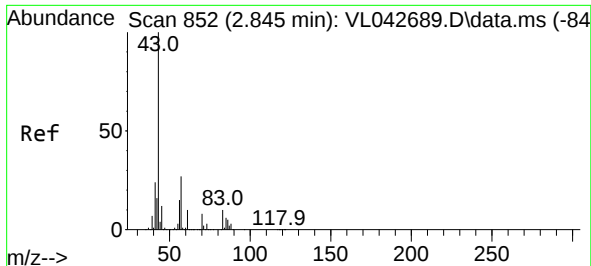
Tgt Ion:	43	Resp:	39372
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.6
42	9.4	7.2	10.8
44	8.8	5.5	8.3



#24
 1,1-Dichloroethane
 Concen: 2.089 ppbv
 RT: 2.415 min Scan# 719
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion:	63	Resp:	21916
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.5	7.6
100	2.5	1.7	5.0



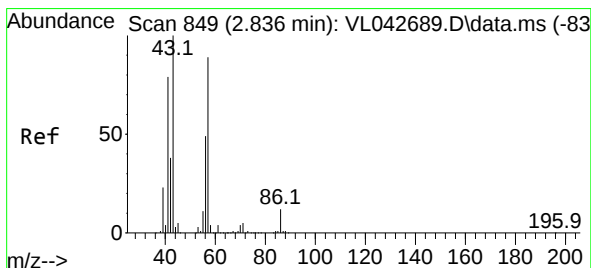
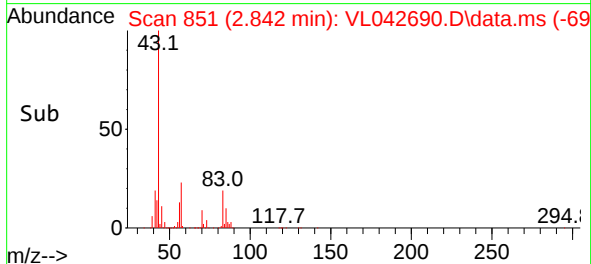
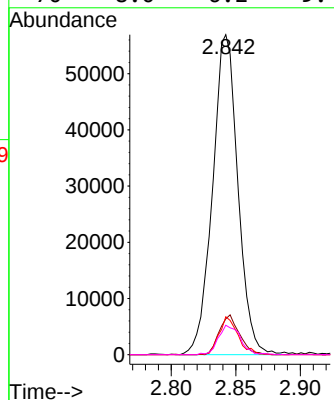
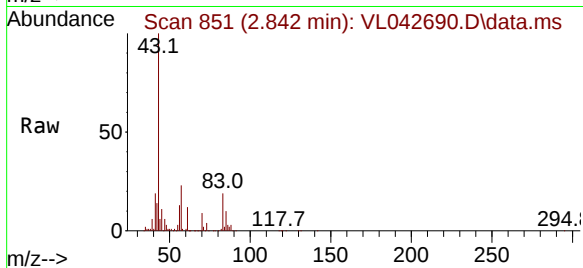


#25
Ethyl Acetate
Concen: 2.159 ppbv
RT: 2.842 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 77767

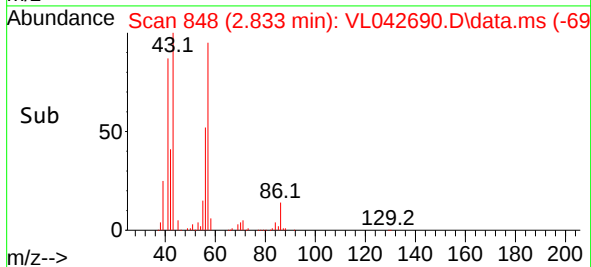
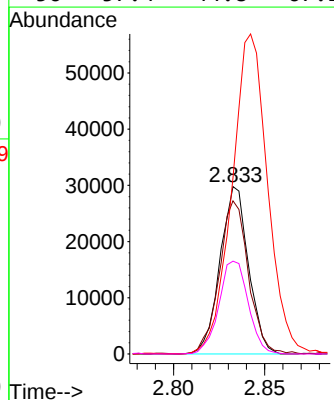
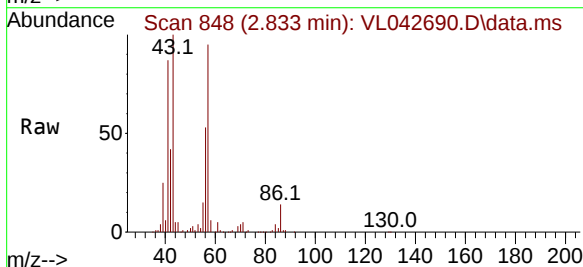
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	8.8	7.0	10.6
70	8.0	6.2	9.4

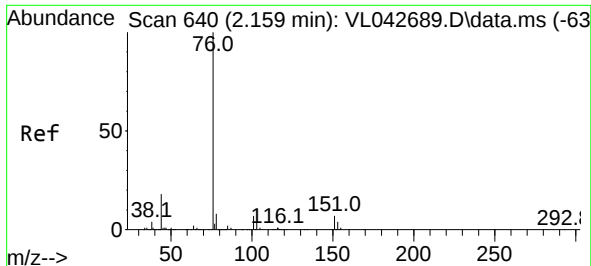


#26
Hexane
Concen: 2.148 ppbv
RT: 2.833 min Scan# 848
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 57 Resp: 32281

Ion	Ratio	Lower	Upper
57	100		
41	92.8	73.7	110.5
43	241.9	190.6	285.8
56	57.4	44.8	67.2

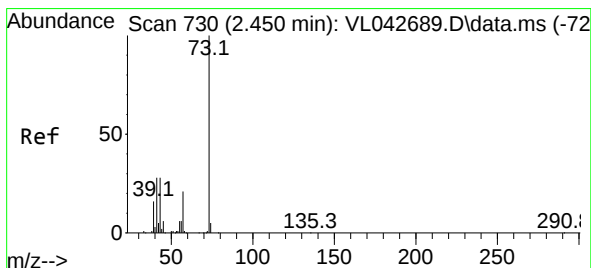
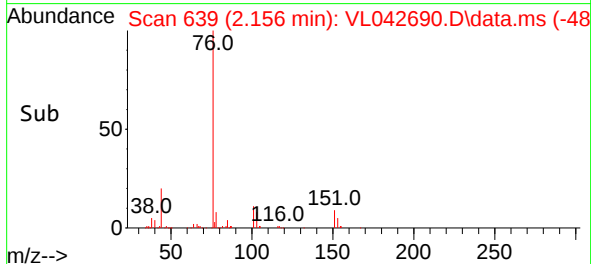
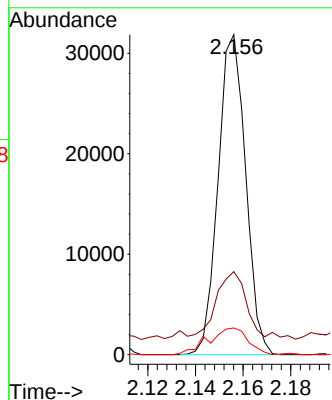
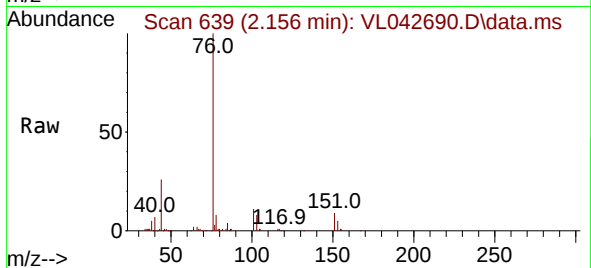




#27
Carbon Disulfide
Concen: 2.085 ppbv
RT: 2.156 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

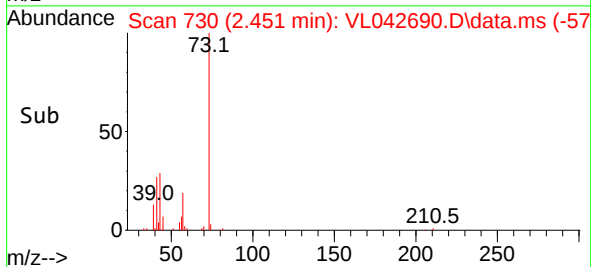
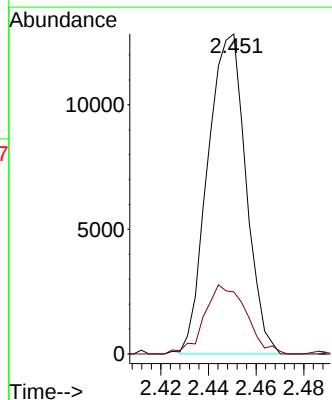
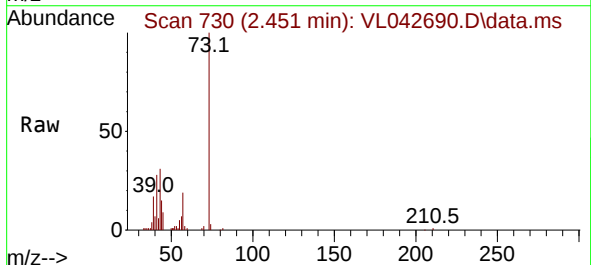
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

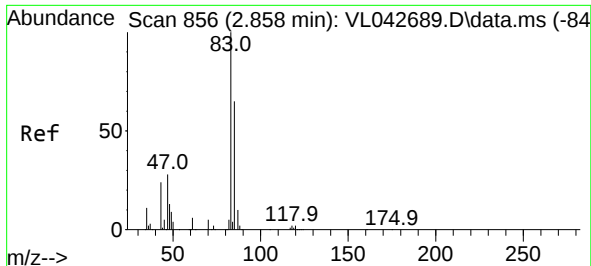
Tgt Ion: 76 Resp: 25545
Ion Ratio Lower Upper
76 100
44 29.6 15.6 23.4#
78 12.2 9.2 13.8



#28
Methyl tert-Butyl Ether
Concen: 2.326 ppbv
RT: 2.451 min Scan# 730
Delta R.T. 0.000 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 73 Resp: 14297
Ion Ratio Lower Upper
73 100
57 23.9 19.3 28.9





#29

Chloroform

Concen: 2.148 ppbv

RT: 2.855 min Scan# 85

Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

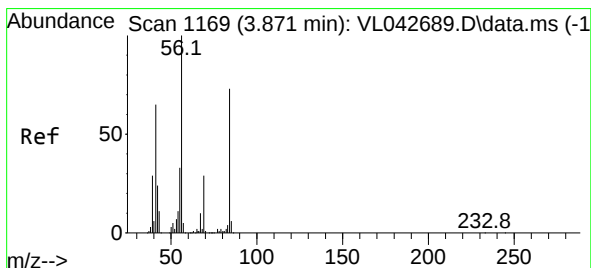
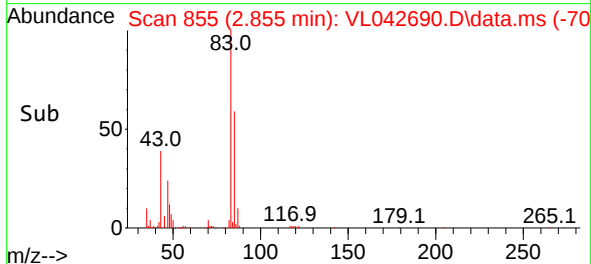
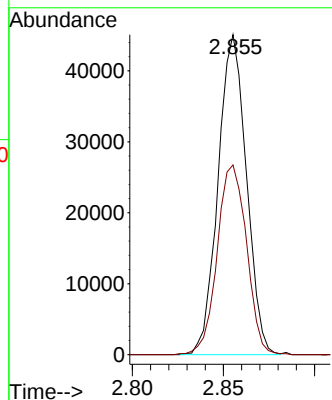
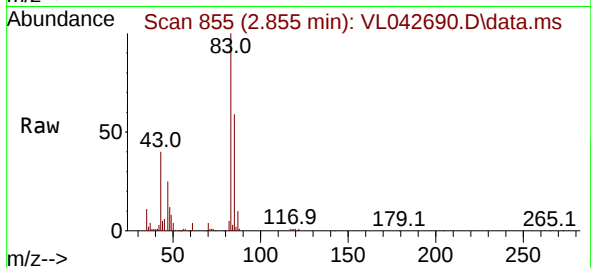
VSTDICC002

Tgt Ion: 83 Resp: 48759

Ion Ratio Lower Upper

83 100

85 59.0 52.4 78.6



#30

Cyclohexane

Concen: 2.148 ppbv

RT: 3.872 min Scan# 1169

Delta R.T. 0.000 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

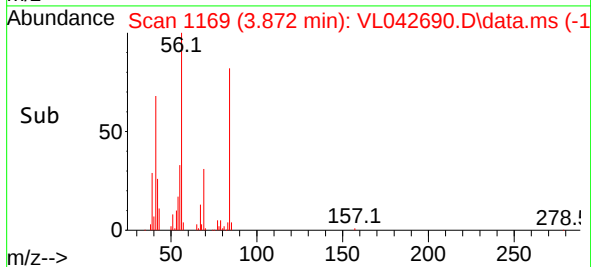
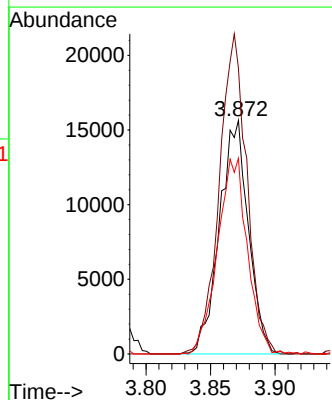
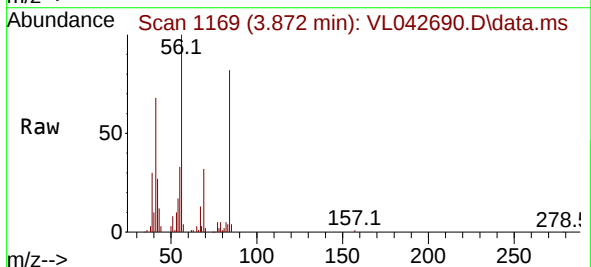
Tgt Ion: 84 Resp: 24389

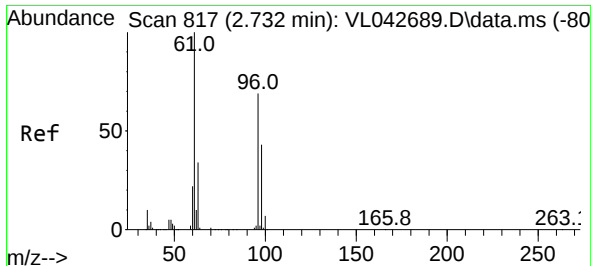
Ion Ratio Lower Upper

84 100

56 130.4 110.4 165.6

41 86.9 71.4 107.0

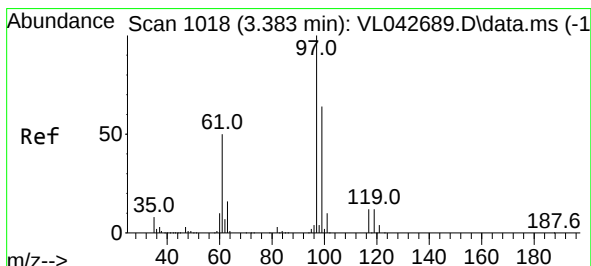
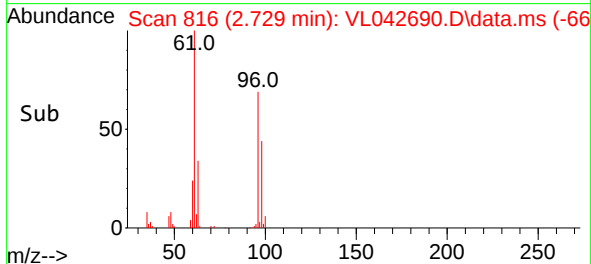
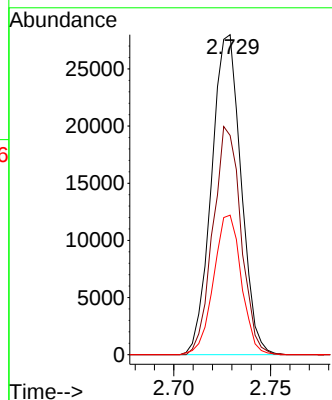
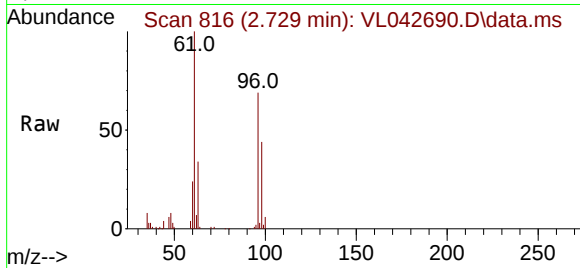




#31
 cis-1,2-Dichloroethene
 Concen: 2.072 ppbv
 RT: 2.729 min Scan# 816
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

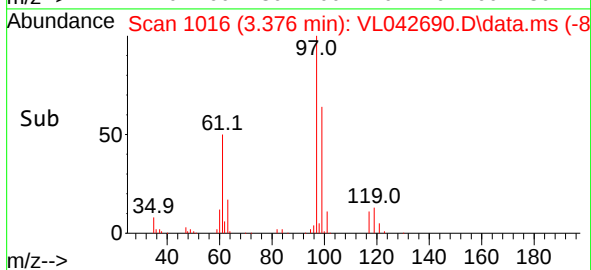
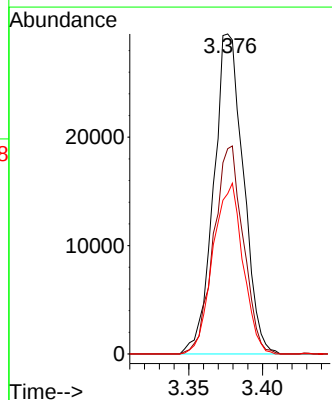
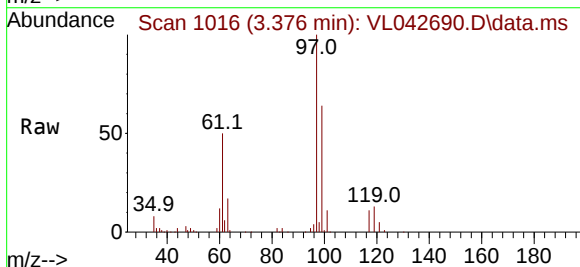
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

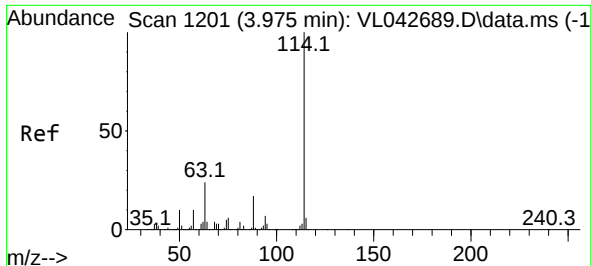
Tgt Ion:	61	Resp:	29632
Ion	Ratio	Lower	Upper
61	100		
96	68.5	54.8	82.2
98	43.6	34.7	52.1



#32
 1,1,1-Trichloroethane
 Concen: 1.903 ppbv
 RT: 3.376 min Scan# 1016
 Delta R.T. -0.006 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion:	97	Resp:	41283
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	54.1	41.1	61.7

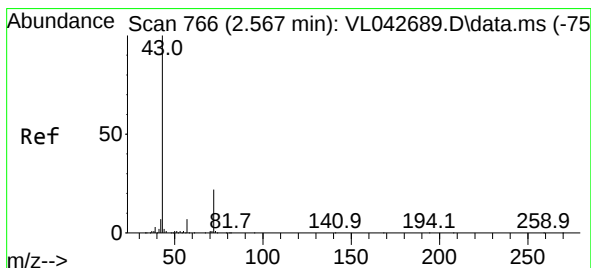
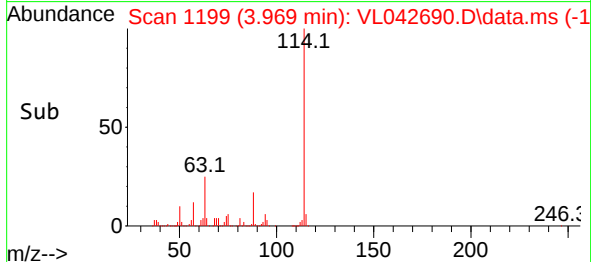
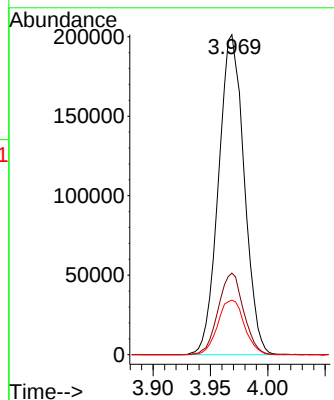
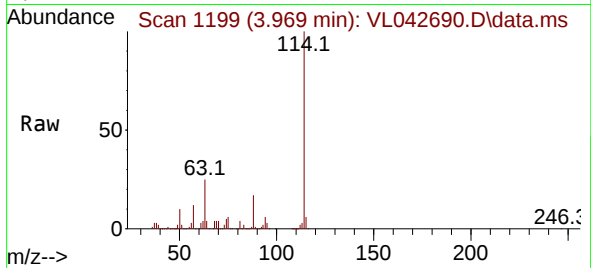




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.969 min Scan# 1199
 Delta R.T. -0.006 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

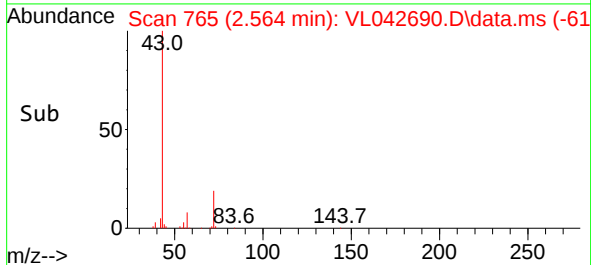
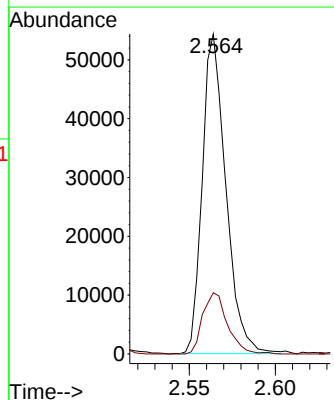
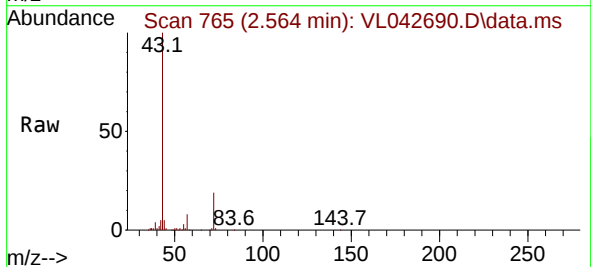
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

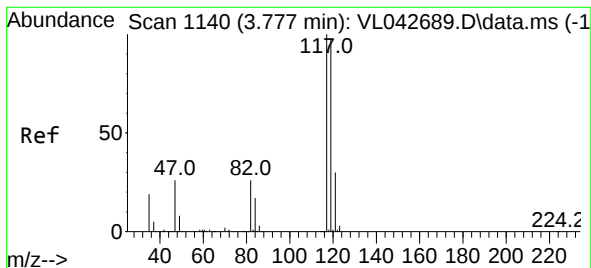
Tgt Ion:114 Resp: 312860
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.4 30.6
 88 17.7 14.2 21.2



#34
 2-Butanone
 Concen: 2.094 ppbv
 RT: 2.564 min Scan# 765
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion: 43 Resp: 51845
 Ion Ratio Lower Upper
 43 100
 72 20.1 17.1 25.7





#35

Carbon Tetrachloride

Concen: 1.924 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

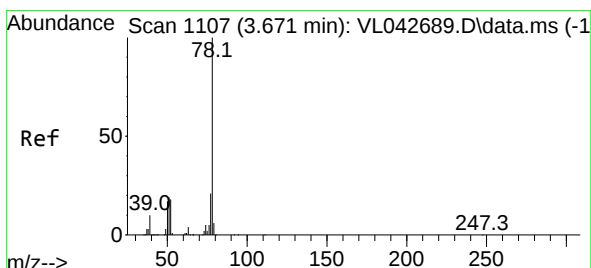
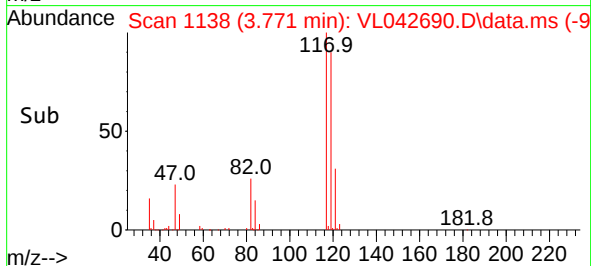
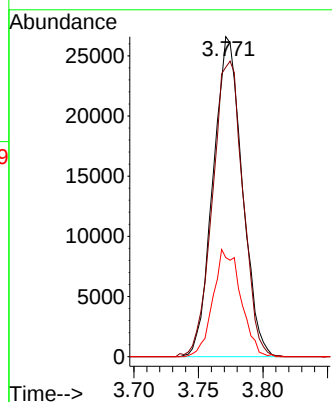
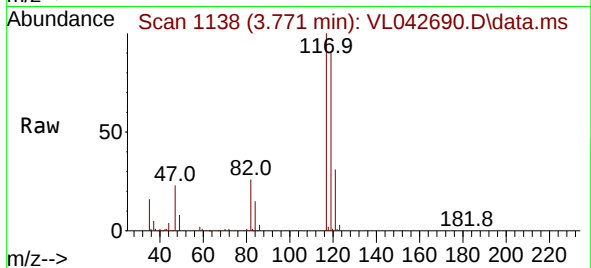
Tgt Ion:117 Resp: 41742

Ion Ratio Lower Upper

117 100

119 90.1 77.6 116.4

121 30.9 24.0 36.0



#36

Benzene

Concen: 2.052 ppbv

RT: 3.664 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

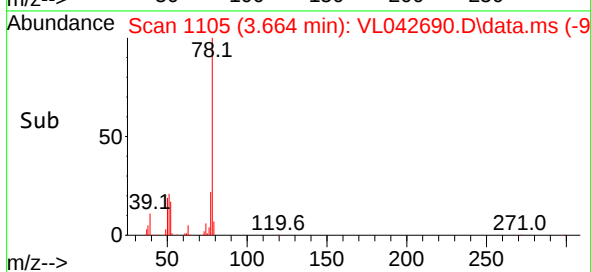
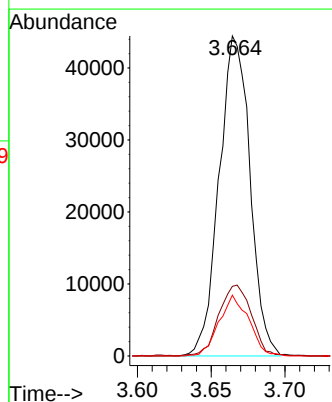
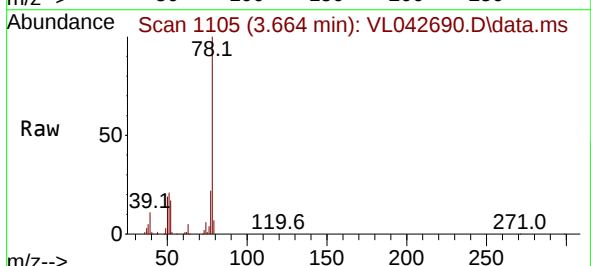
Tgt Ion: 78 Resp: 64694

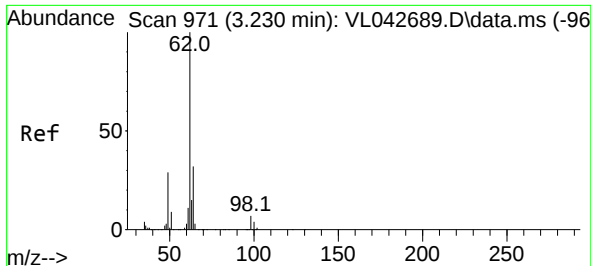
Ion Ratio Lower Upper

78 100

77 21.6 17.0 25.4

50 19.0 13.7 20.5





#37

1,2-Dichloroethane

Concen: 2.030 ppbv

RT: 3.224 min Scan# 9

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

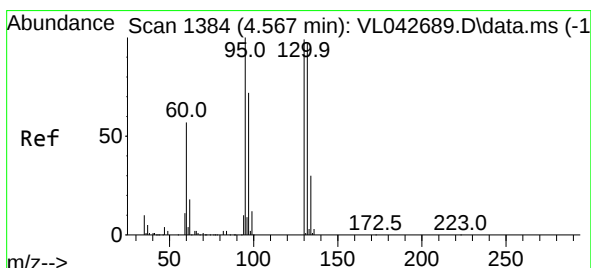
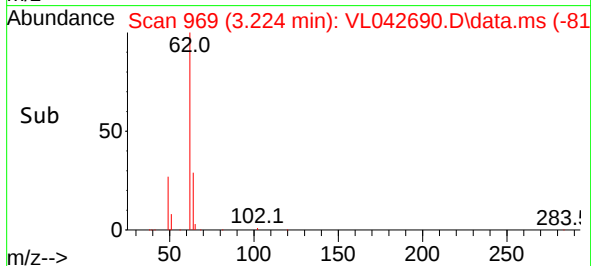
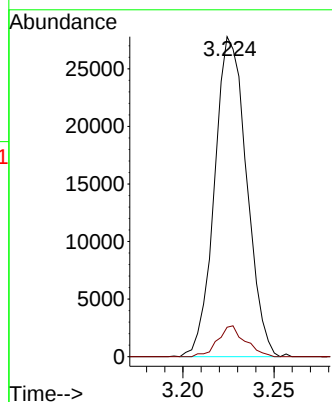
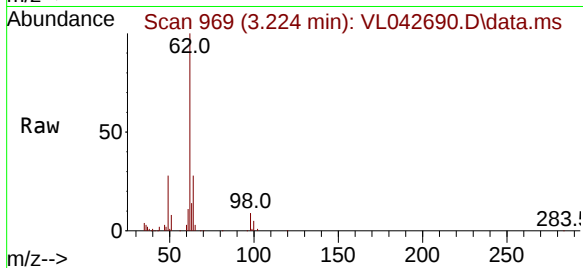
VSTDICC002

Tgt Ion: 62 Resp: 33990

Ion Ratio Lower Upper

62 100

98 8.2 5.8 8.8



#38

Trichloroethene

Concen: 2.000 ppbv

RT: 4.561 min Scan# 1382

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Tgt Ion:130 Resp: 27249

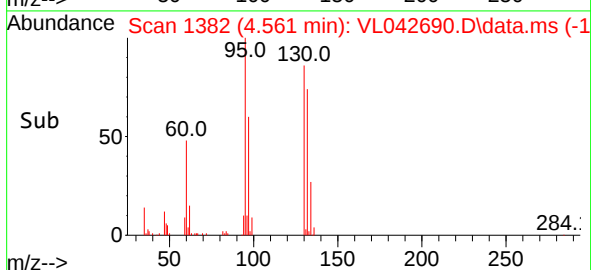
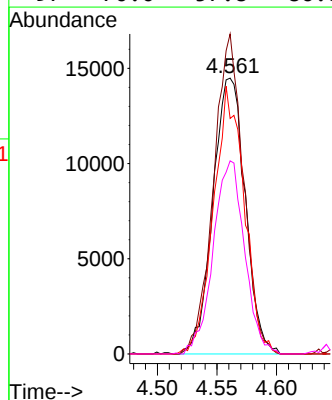
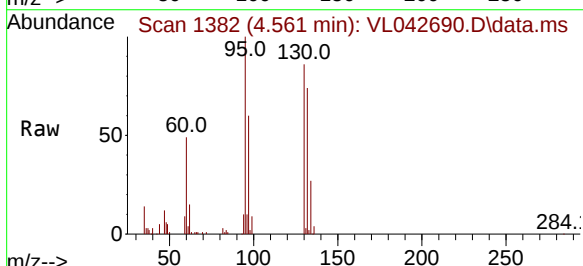
Ion Ratio Lower Upper

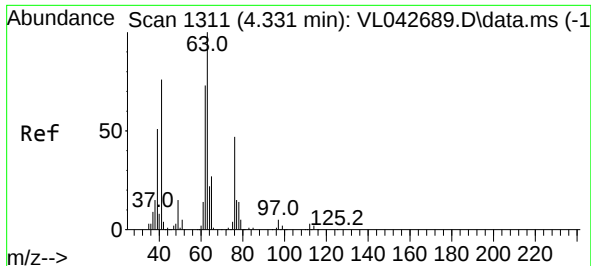
130 100

95 116.0 81.1 121.7

132 85.4 77.9 116.9

97 70.0 57.8 86.8





#39

1,2-Dichloropropane

Concen: 2.058 ppbv

RT: 4.321 min Scan# 11

Delta R.T. -0.009 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

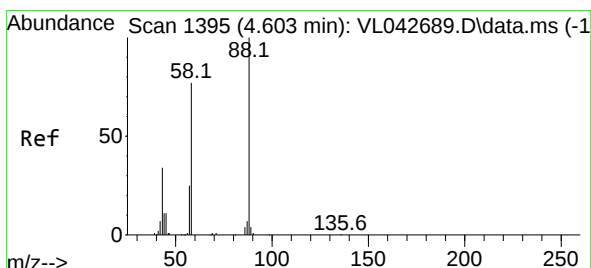
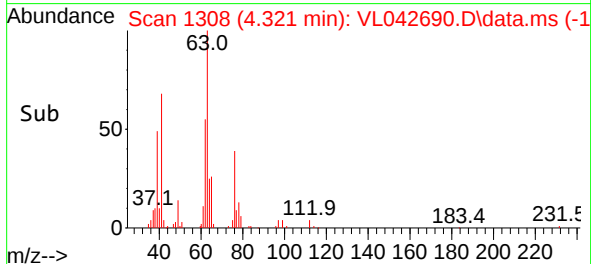
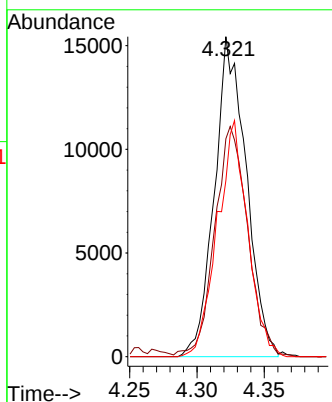
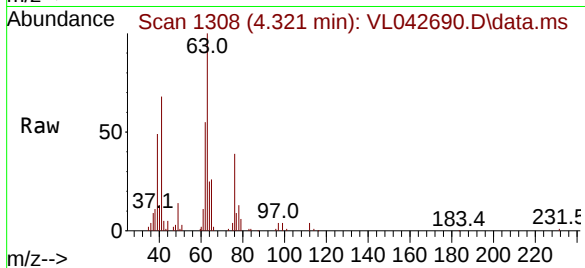
Tgt Ion: 63 Resp: 25320

Ion Ratio Lower Upper

63 100

41 67.3 60.8 91.2

62 55.0 58.6 87.8#



#40

1,4-Dioxane

Concen: 1.289 ppbv

RT: 4.600 min Scan# 1394

Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Tgt Ion: 88 Resp: 6092

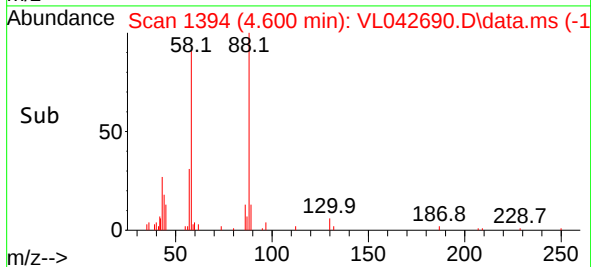
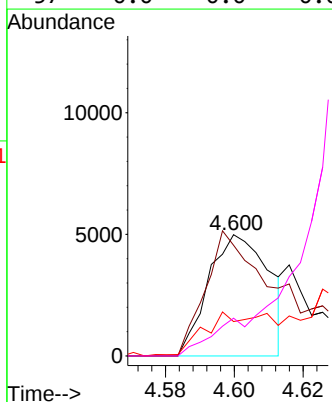
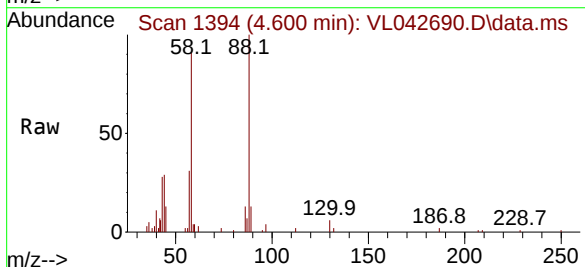
Ion Ratio Lower Upper

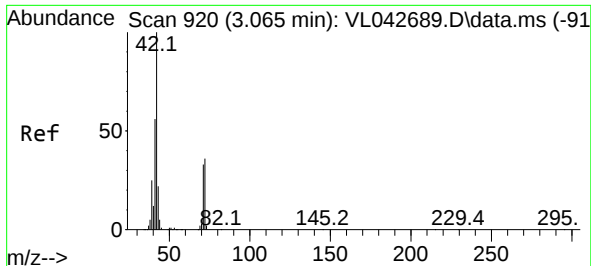
88 100

58 127.4 62.1 93.1#

43 0.0 26.2 39.2#

57 0.0 0.0 0.0

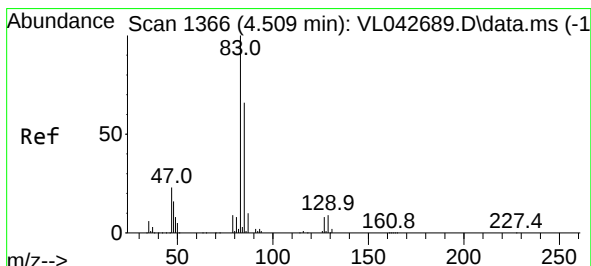
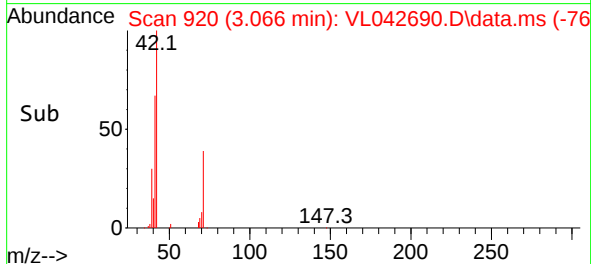
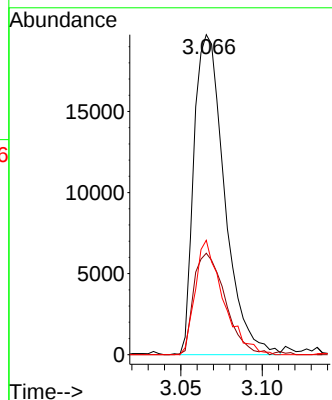
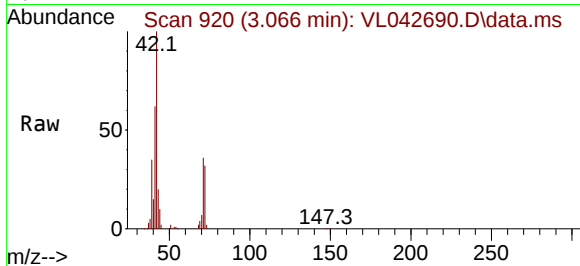




#41
Tetrahydrofuran
Concen: 2.035 ppbv
RT: 3.066 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

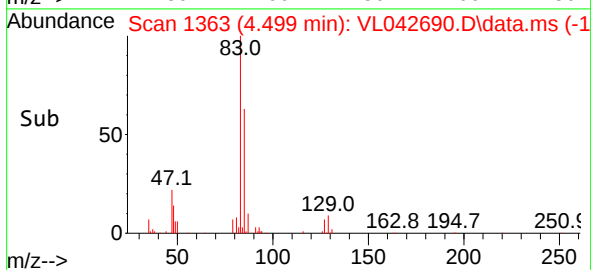
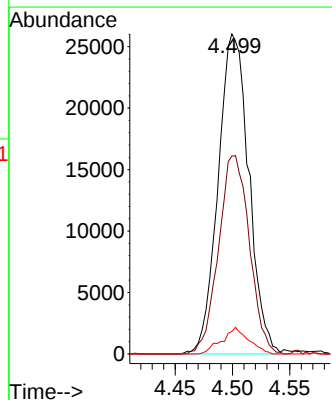
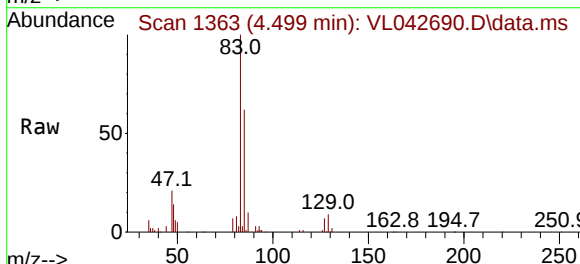
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

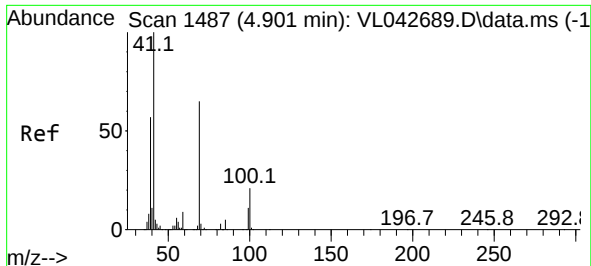
Tgt Ion: 42 Resp: 25677
Ion Ratio Lower Upper
42 100
72 33.0 28.2 42.4
71 32.8 25.4 38.0



#42
Bromodichloromethane
Concen: 2.041 ppbv
RT: 4.499 min Scan# 1363
Delta R.T. -0.009 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 83 Resp: 48408
Ion Ratio Lower Upper
83 100
85 61.8 52.5 78.7
127 7.1 6.1 9.1

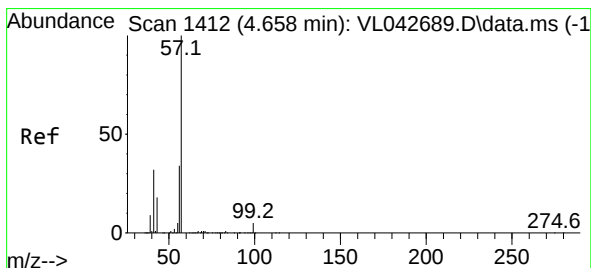
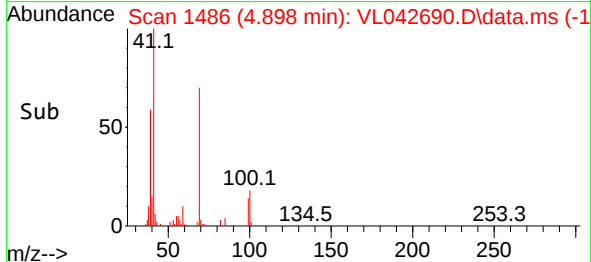
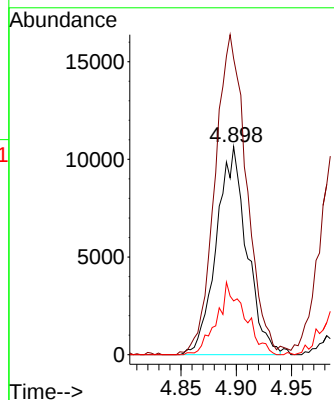
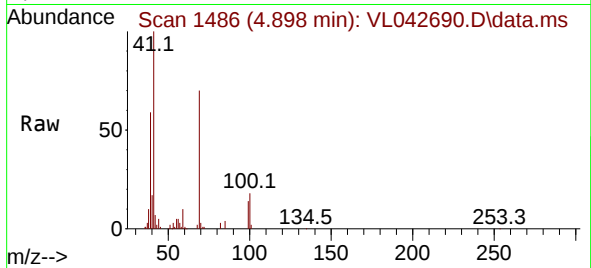




#43
Methyl Methacrylate
Concen: 2.010 ppbv
RT: 4.898 min Scan# 1486
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

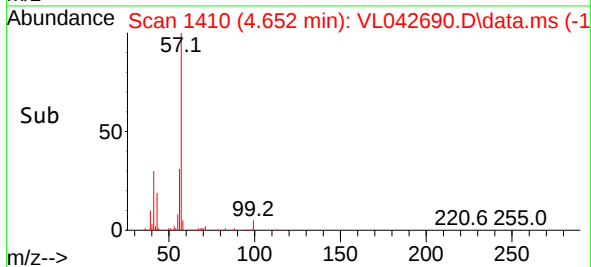
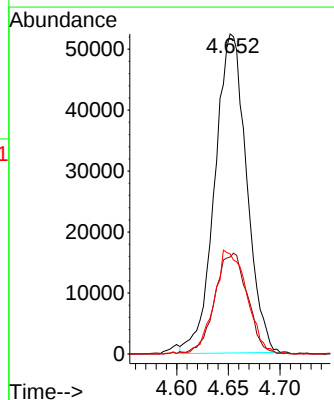
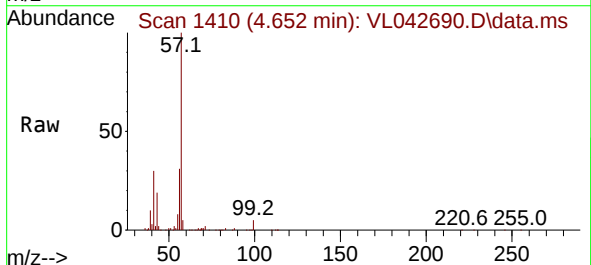
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

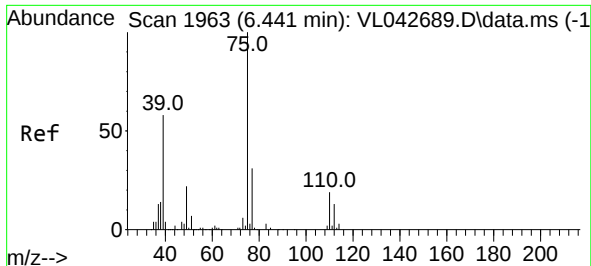
Tgt Ion: 69 Resp: 20355
Ion Ratio Lower Upper
69 100
41 161.0 125.4 188.2
100 32.2 26.4 39.6



#44
2,2,4-Trimethylpentane
Concen: 2.129 ppbv
RT: 4.652 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 57 Resp: 112040
Ion Ratio Lower Upper
57 100
41 32.8 25.2 37.8
56 33.4 26.3 39.5

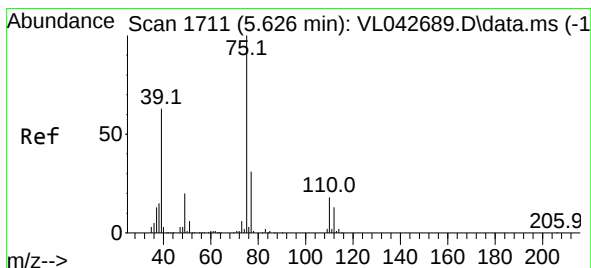
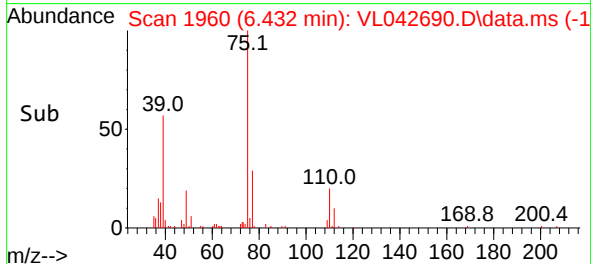
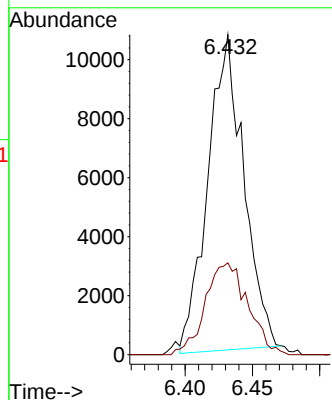
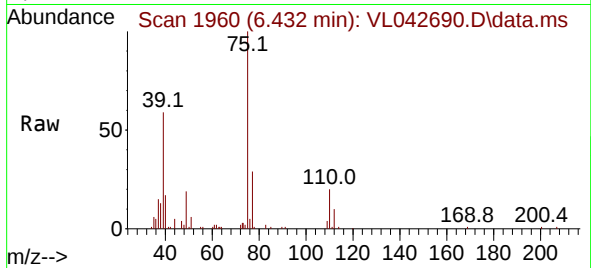




#45
t-1,3-Dichloropropene
Concen: 1.869 ppbv
RT: 6.432 min Scan# 1960
Delta R.T. -0.009 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

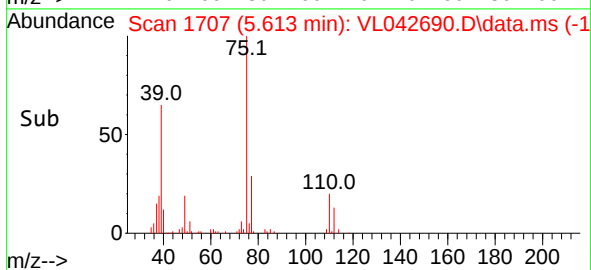
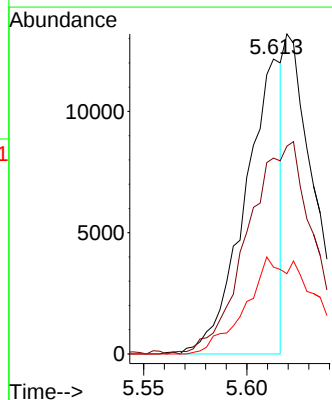
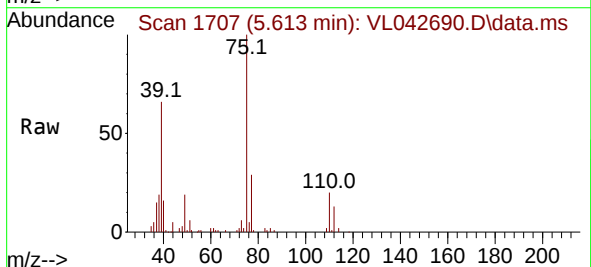
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

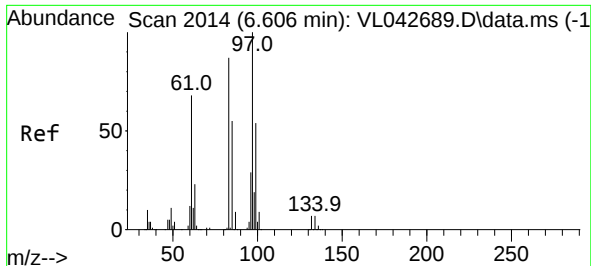
Tgt Ion: 75 Resp: 19895
Ion Ratio Lower Upper
75 100
77 28.7 25.0 37.4



#46
cis-1,3-Dichloropropene
Concen: 1.031 ppbv
RT: 5.613 min Scan# 1707
Delta R.T. -0.013 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 75 Resp: 15132
Ion Ratio Lower Upper
75 100
39 65.5 50.6 75.8
77 29.5 24.8 37.2

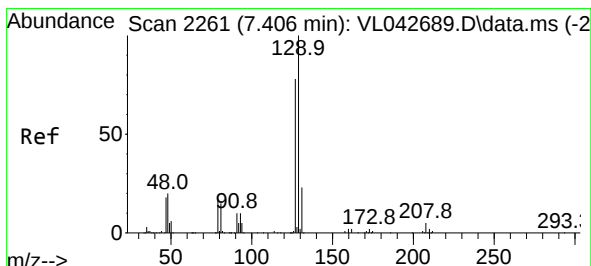
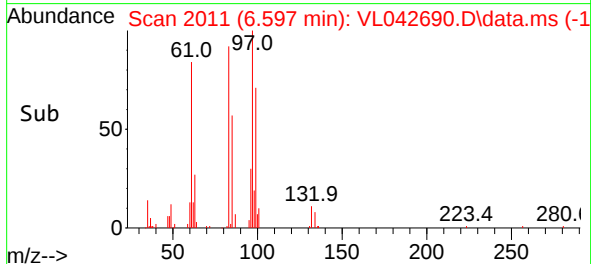
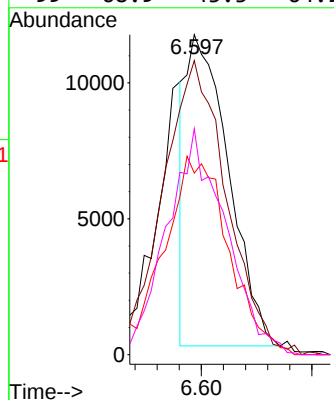
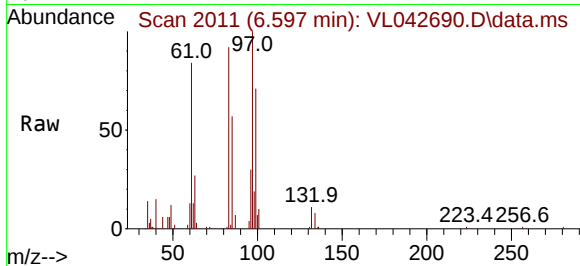




#47
1,1,2-Trichloroethane
Concen: 1.258 ppbv
RT: 6.597 min Scan# 20
Delta R.T. -0.009 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

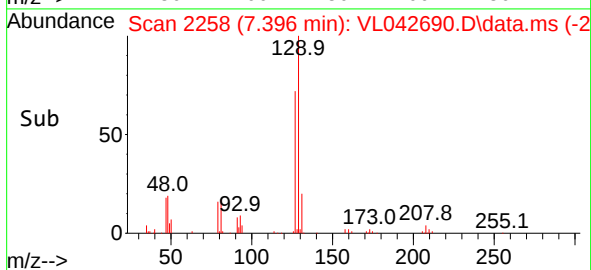
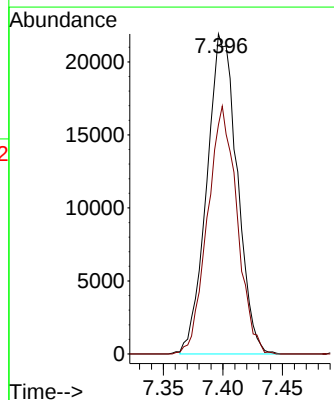
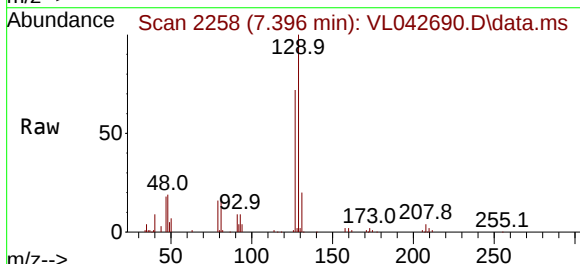
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

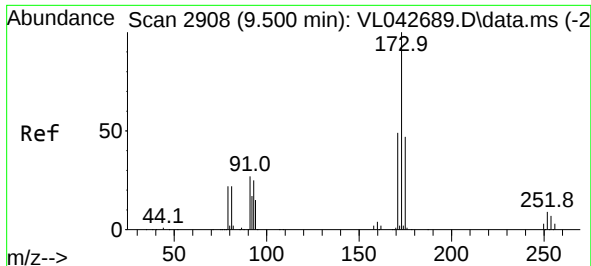
Tgt Ion: 97 Resp: 15242
Ion Ratio Lower Upper
97 100
83 91.8 69.3 103.9
85 56.1 43.7 65.5
99 68.9 43.3 64.9#



#48
Dibromochloromethane
Concen: 2.094 ppbv
RT: 7.396 min Scan# 2258
Delta R.T. -0.009 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 129 Resp: 38842
Ion Ratio Lower Upper
129 100
127 75.4 38.3 114.8

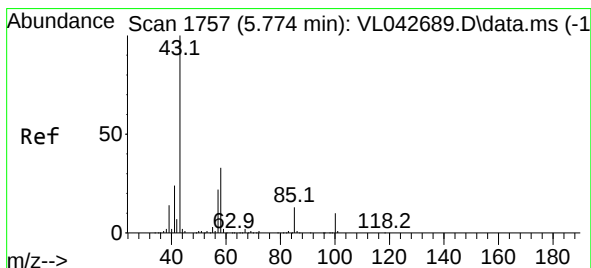
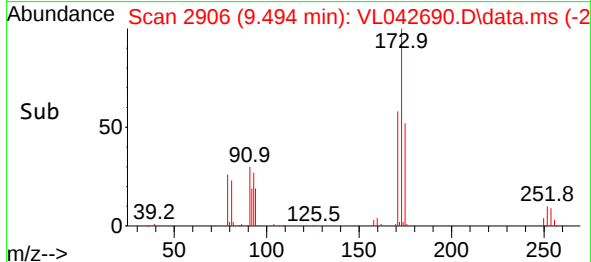
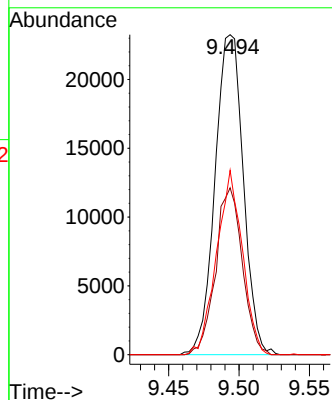
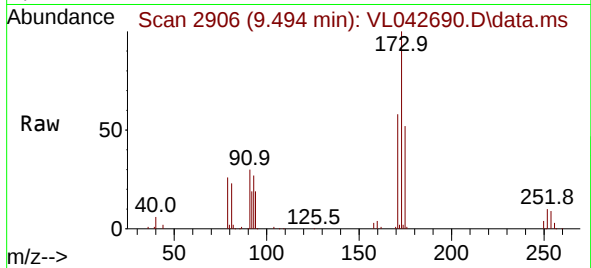




#49
Bromoform
Concen: 2.037 ppbv
RT: 9.494 min Scan# 2906
Delta R.T. -0.006 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

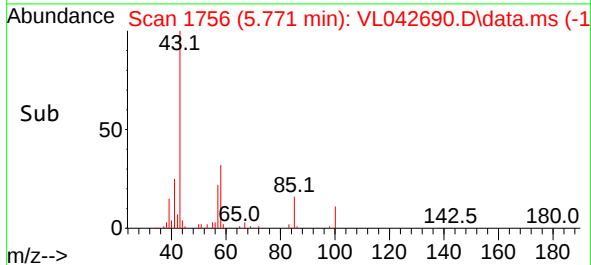
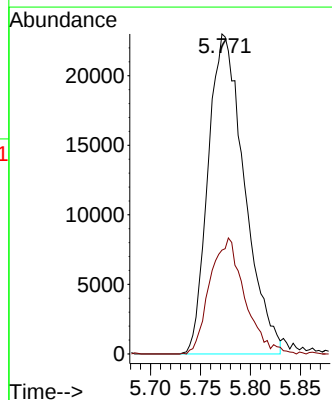
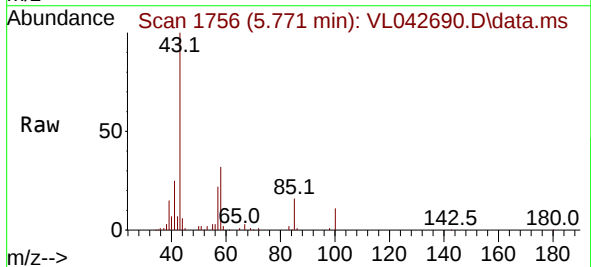
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

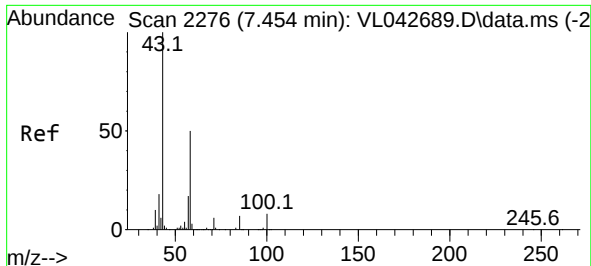
Tgt Ion:173 Resp: 32624
Ion Ratio Lower Upper
173 100
175 49.2 38.6 57.8
171 52.5 40.3 60.5



#50
4-Methyl-2-Pentanone
Concen: 2.008 ppbv
RT: 5.771 min Scan# 1756
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 43 Resp: 58107
Ion Ratio Lower Upper
43 100
58 34.9 27.5 41.3

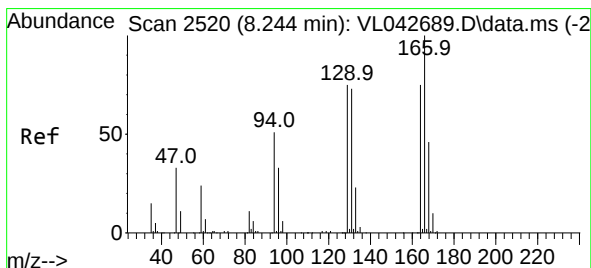
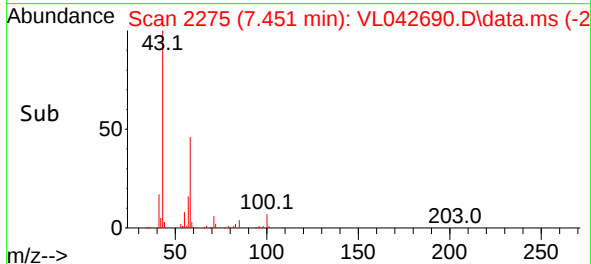
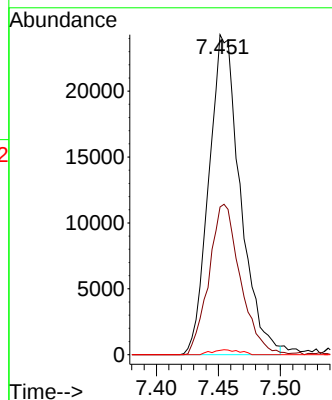
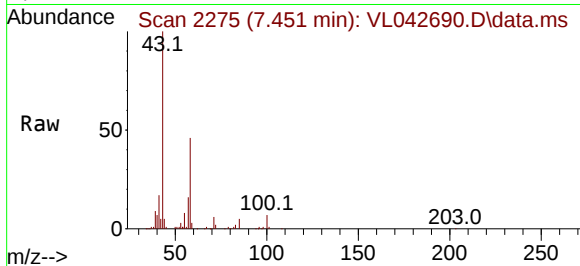




#51
2-Hexanone
Concen: 2.026 ppbv
RT: 7.451 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

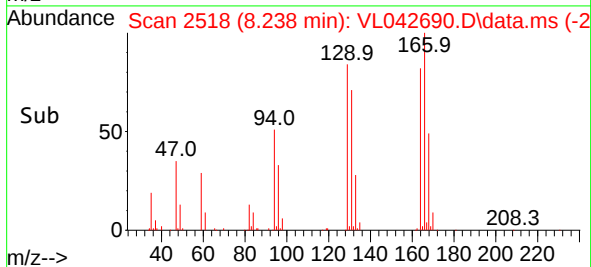
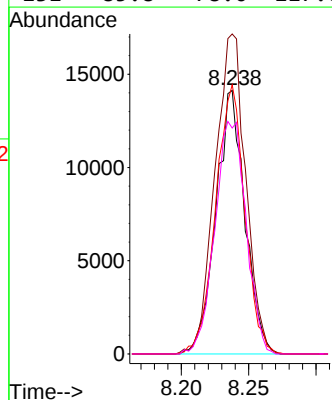
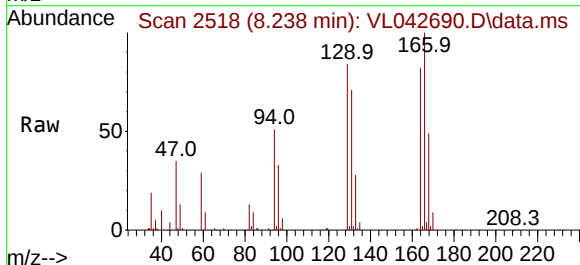
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

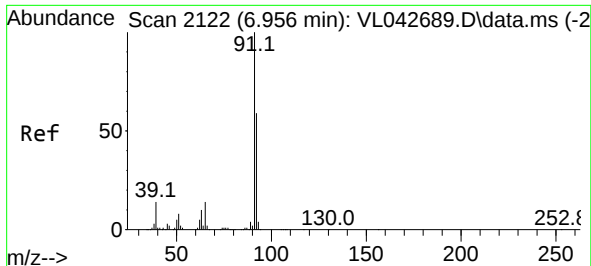
Tgt Ion: 43 Resp: 42828
Ion Ratio Lower Upper
43 100
58 47.5 38.6 57.8
98 1.4 0.6 1.0#



#52
Tetrachloroethene
Concen: 1.997 ppbv
RT: 8.238 min Scan# 2518
Delta R.T. -0.006 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 164 Resp: 21125
Ion Ratio Lower Upper
164 100
166 121.4 106.6 160.0
129 101.8 79.8 119.6
131 85.8 78.0 117.0

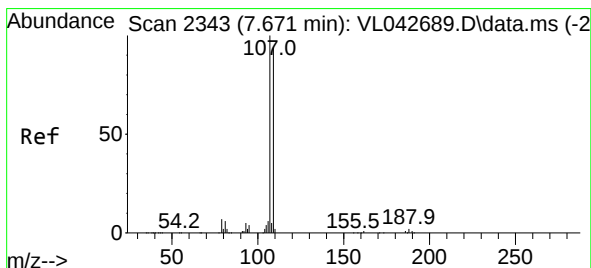
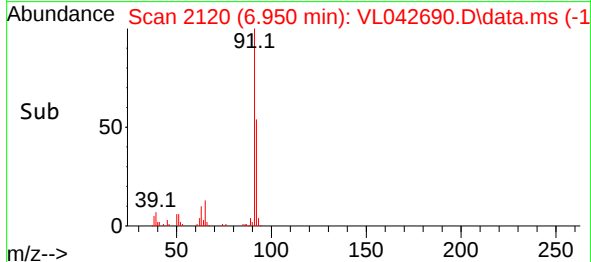
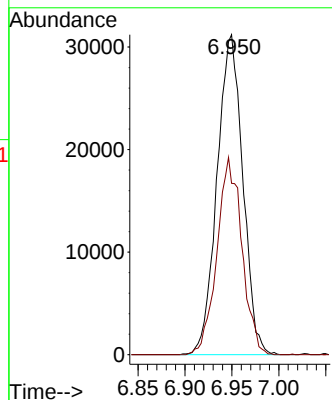
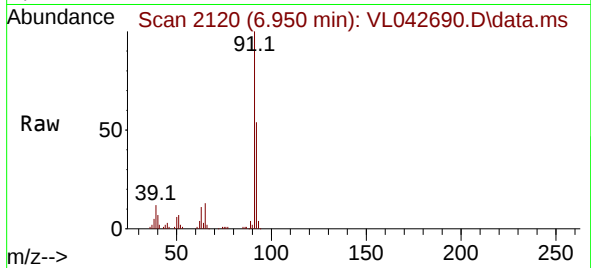




#53
Toluene
Concen: 2.021 ppbv
RT: 6.950 min Scan# 2122
Delta R.T. -0.006 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

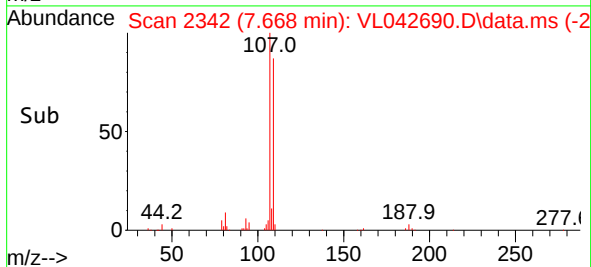
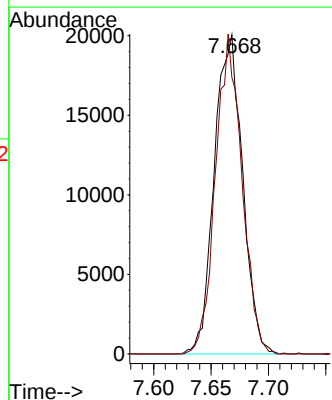
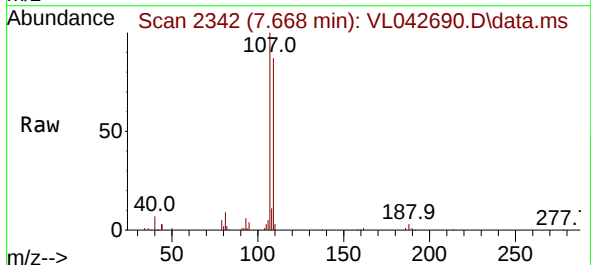
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

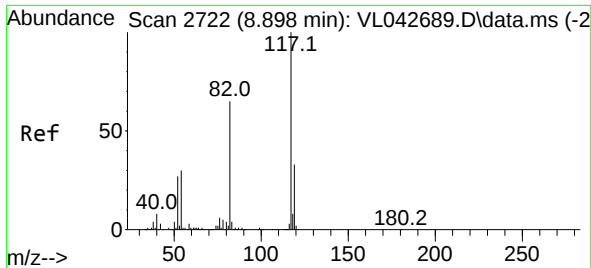
Tgt Ion: 91 Resp: 59500
Ion Ratio Lower Upper
91 100
92 59.5 47.4 71.2



#54
1,2-Dibromoethane
Concen: 2.035 ppbv
RT: 7.668 min Scan# 2342
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 107 Resp: 34397
Ion Ratio Lower Upper
107 100
109 86.8 74.8 112.2

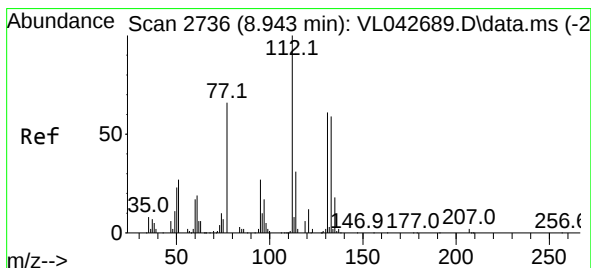
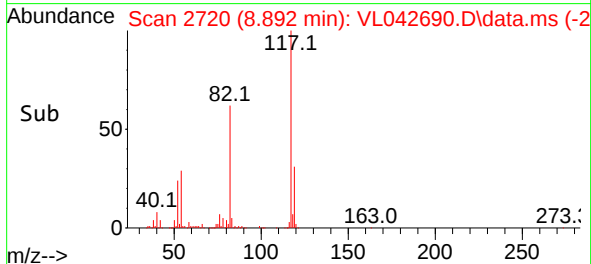
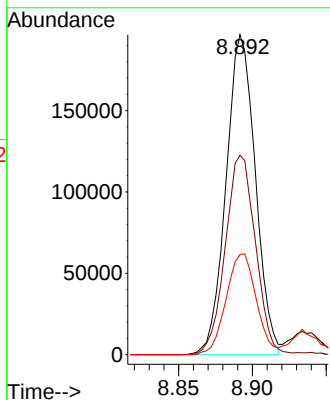
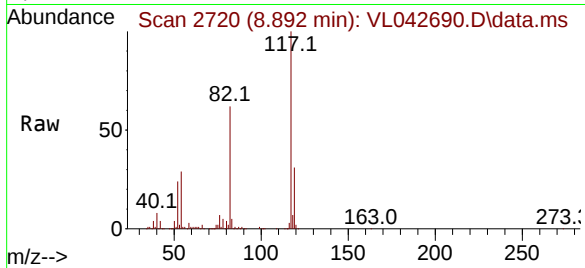




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 2722
Delta R.T. -0.006 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

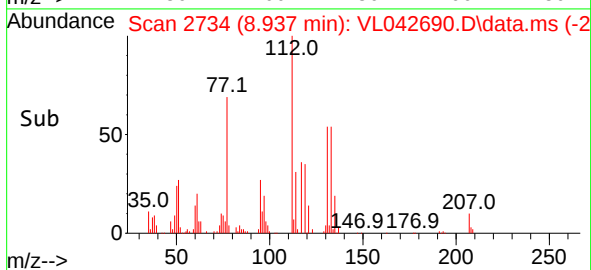
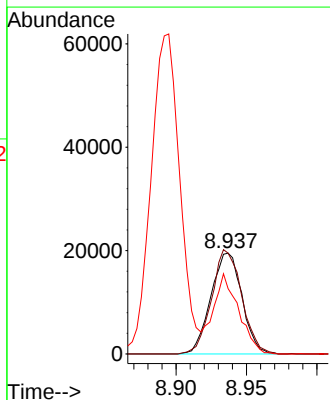
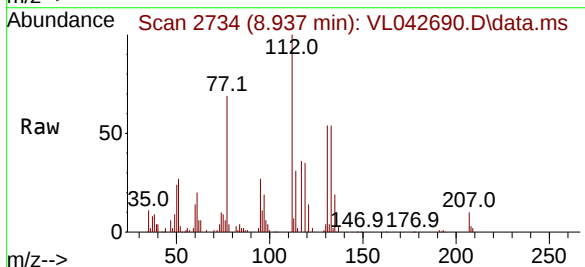
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

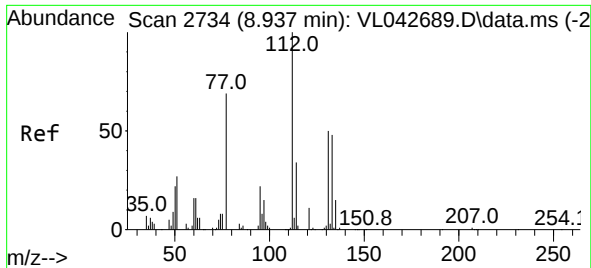
Tgt Ion:117 Resp: 271598
Ion Ratio Lower Upper
117 100
82 64.7 53.4 80.2
119 32.5 26.6 39.8



#56
1,1,1,2-Tetrachloroethane
Concen: 2.043 ppbv
RT: 8.937 min Scan# 2734
Delta R.T. -0.006 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion:131 Resp: 30008
Ion Ratio Lower Upper
131 100
133 100.2 77.3 115.9
119 57.6 52.6 78.8

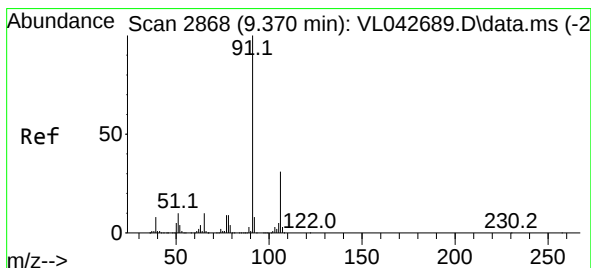
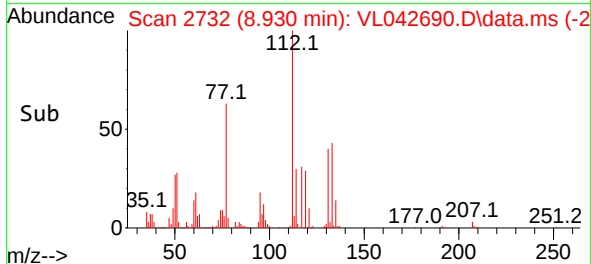
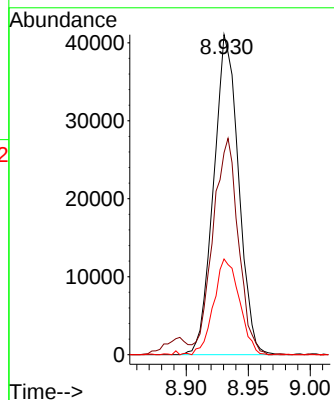
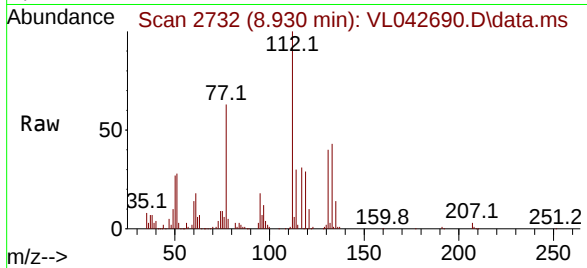




#57
Chlorobenzene
Concen: 2.114 ppbv
RT: 8.930 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

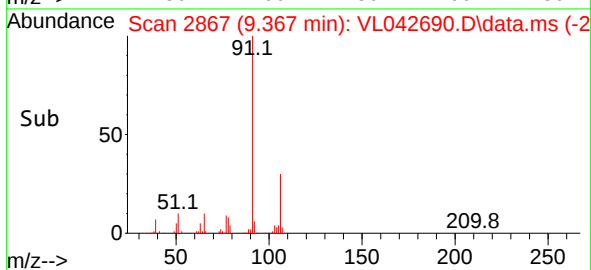
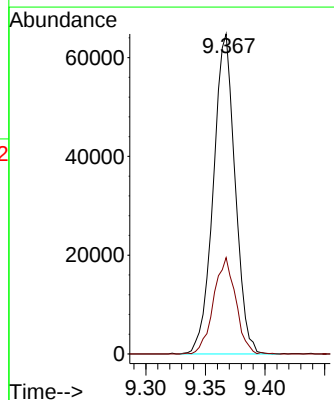
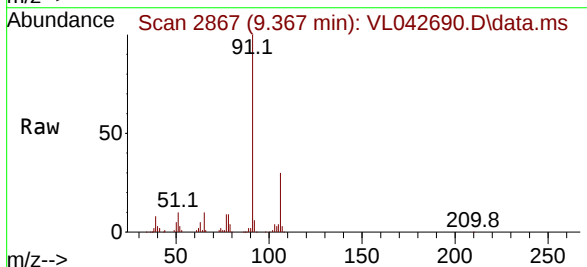
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

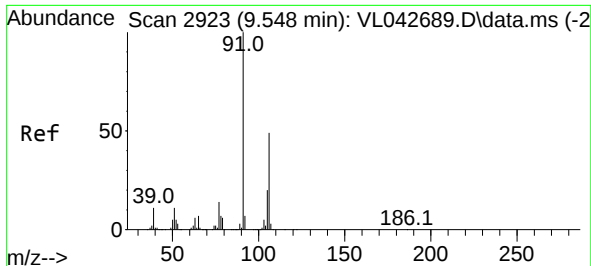
Tgt Ion:112 Resp: 57600
Ion Ratio Lower Upper
112 100
77 62.8 56.2 84.4
114 29.9 30.2 37.0#



#58
Ethyl Benzene
Concen: 2.093 ppbv
RT: 9.367 min Scan# 2867
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 91 Resp: 82202
Ion Ratio Lower Upper
91 100
106 30.1 24.9 37.3





#59

m/p-Xylene

Concen: 1.943 ppbv

RT: 9.545 min Scan# 2923

Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

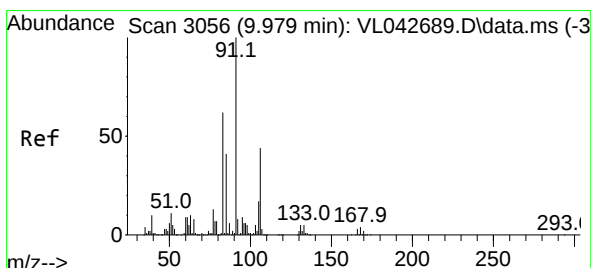
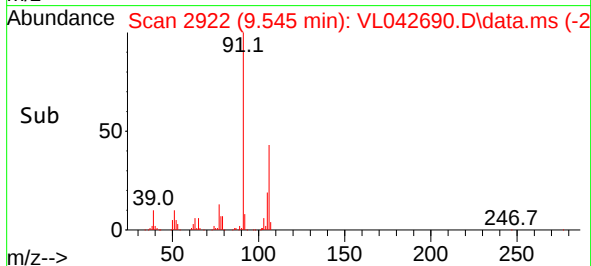
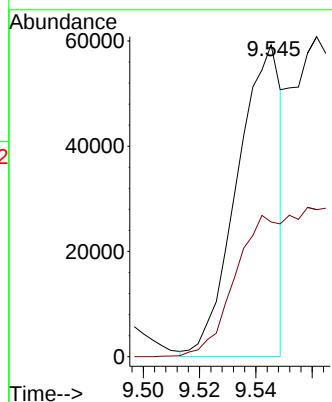
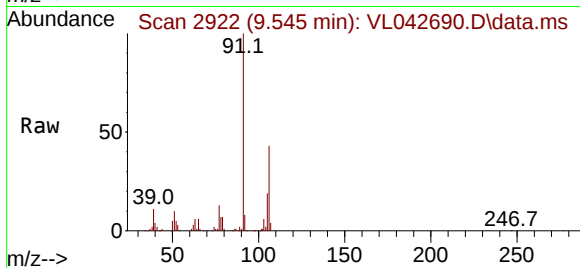
VSTDIC002

Tgt Ion: 91 Resp: 63944

Ion Ratio Lower Upper

91 100

106 0.0 37.6 56.4#



#60

o-Xylene

Concen: 2.211 ppbv

RT: 9.973 min Scan# 3054

Delta R.T. -0.006 min

Lab File: VL042690.D

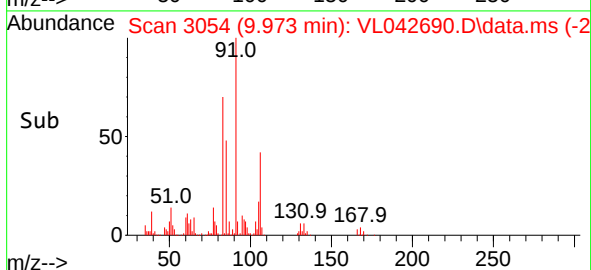
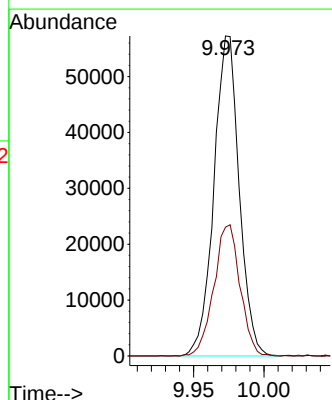
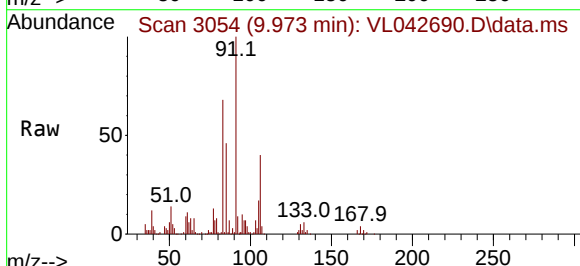
Acq: 02 Jul 2025 08:56

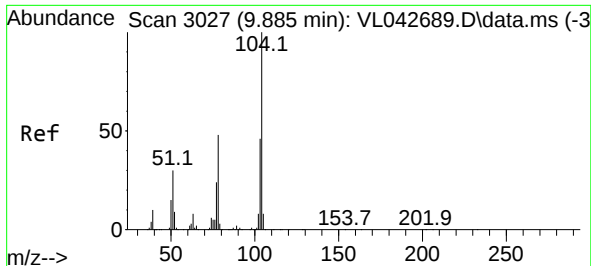
Tgt Ion: 91 Resp: 71539

Ion Ratio Lower Upper

91 100

106 42.5 22.8 68.4

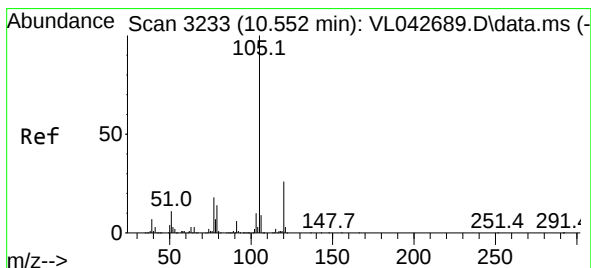
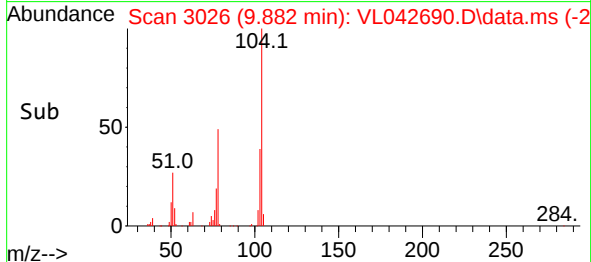
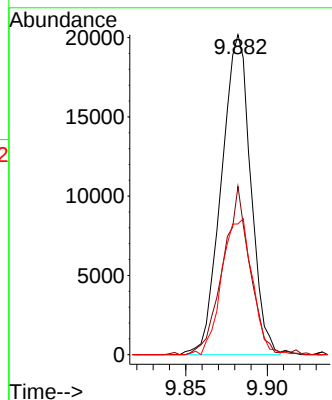
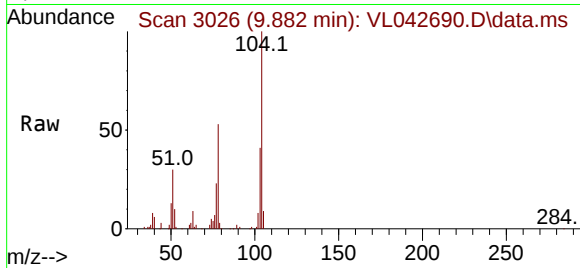




#61
Styrene
Concen: 1.982 ppbv
RT: 9.882 min Scan# 3027
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

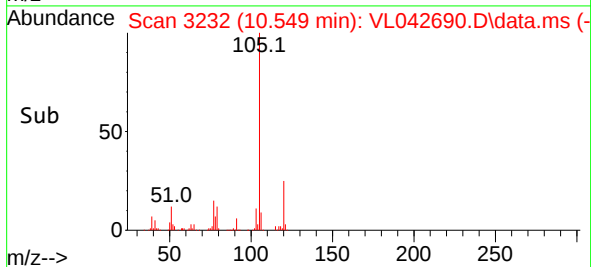
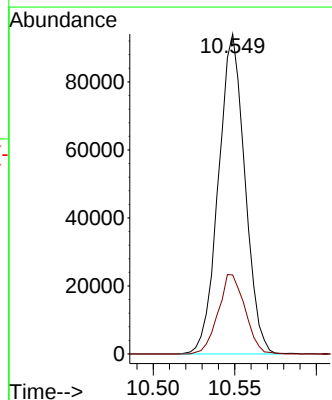
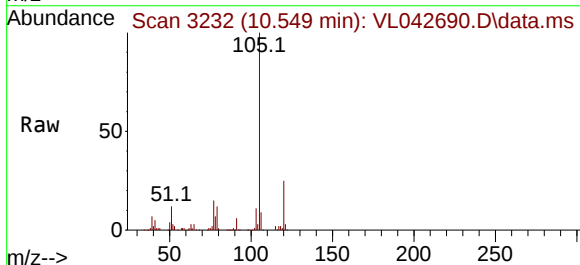
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

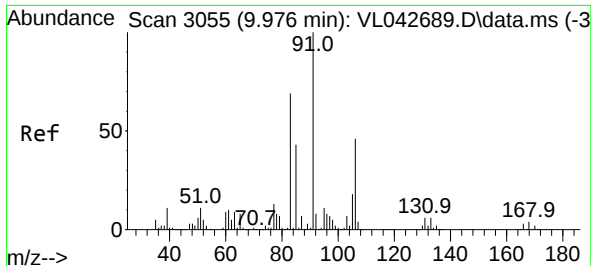
Tgt Ion:104 Resp: 25203
Ion Ratio Lower Upper
104 100
78 48.9 39.0 58.6
103 44.7 37.4 56.0



#62
Isopropylbenzene
Concen: 2.172 ppbv
RT: 10.549 min Scan# 3232
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion:105 Resp: 106122
Ion Ratio Lower Upper
105 100
120 25.2 20.6 31.0

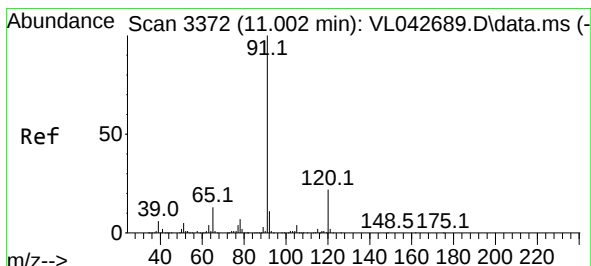
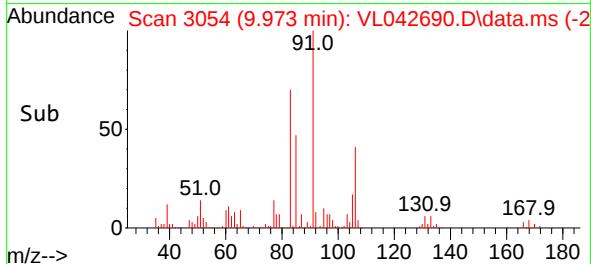
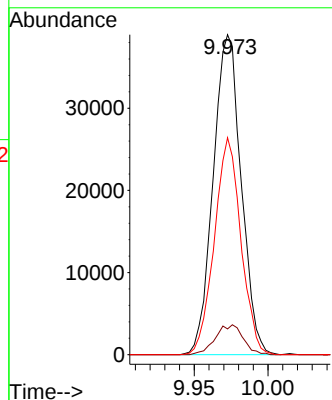
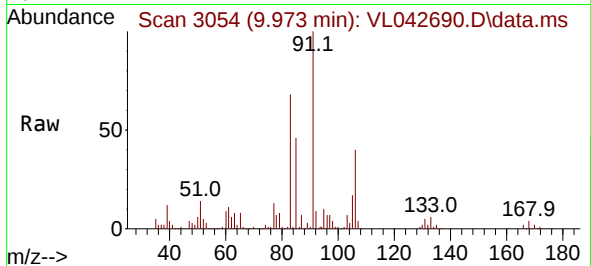




#63
1,1,2,2-Tetrachloroethane
Concen: 2.063 ppbv
RT: 9.973 min Scan# 3055
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

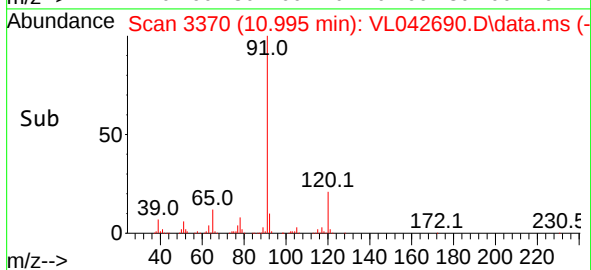
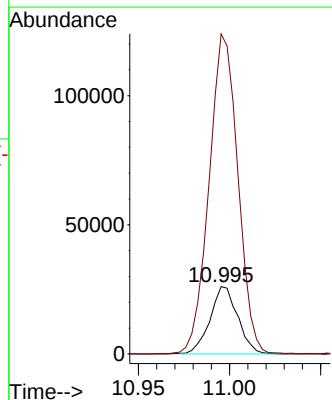
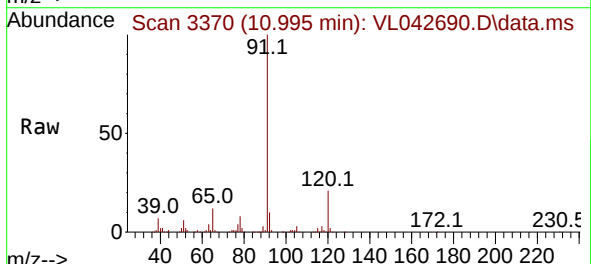
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

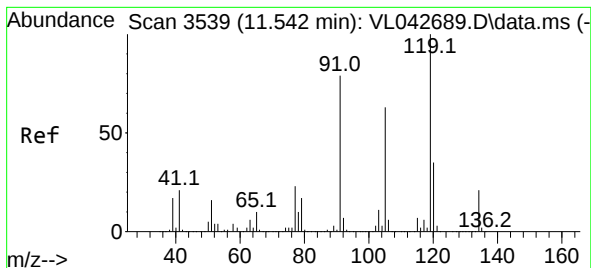
Tgt Ion: 83 Resp: 51423
Ion Ratio Lower Upper
83 100
131 9.3 4.5 13.4
85 64.2 31.5 94.5



#64
n-propylbenzene
Concen: 2.204 ppbv
RT: 10.995 min Scan# 3370
Delta R.T. -0.006 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 120 Resp: 27567
Ion Ratio Lower Upper
120 100
91 496.3 377.8 566.8





#65

tert-Butylbenzene

Concen: 2.318 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

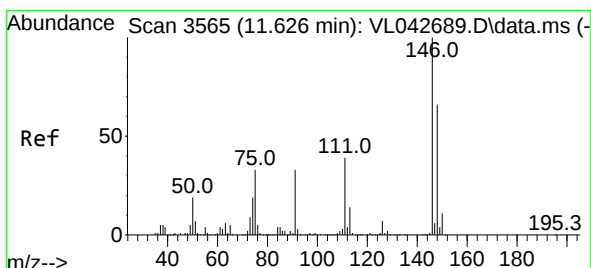
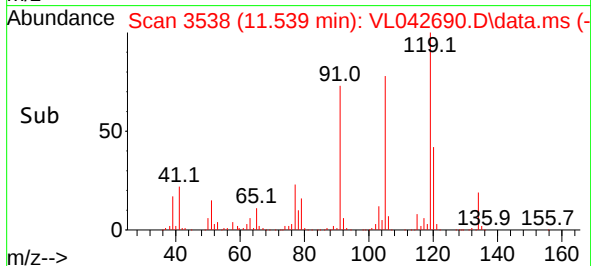
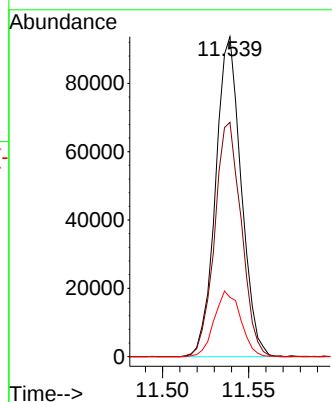
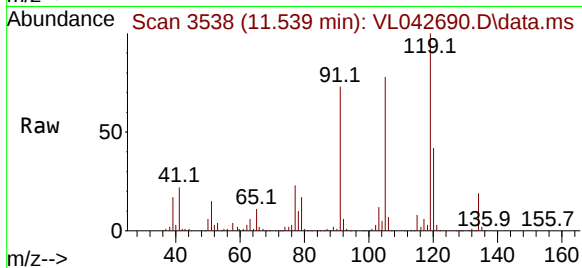
Tgt Ion:119 Resp: 96905

Ion Ratio Lower Upper

119 100

91 76.5 62.6 93.8

134 21.2 16.9 25.3



#66

Benzyl Chloride

Concen: 2.030 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

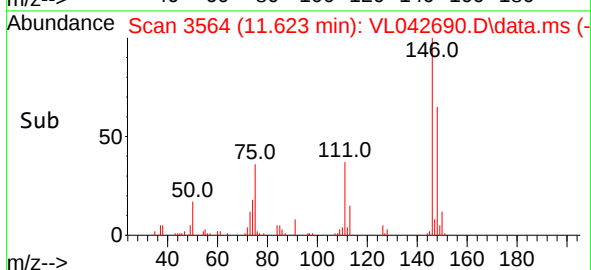
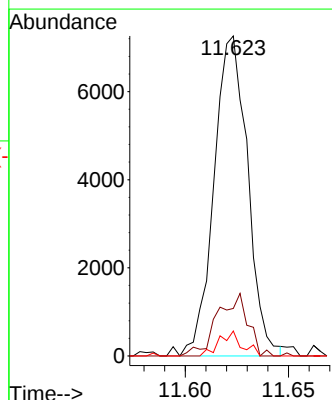
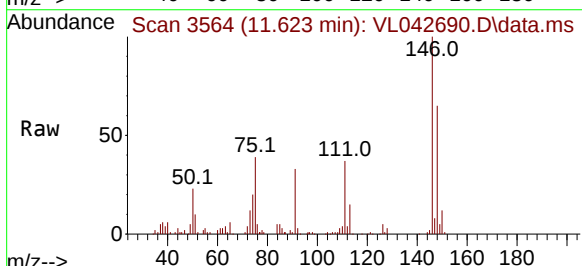
Tgt Ion: 91 Resp: 8222

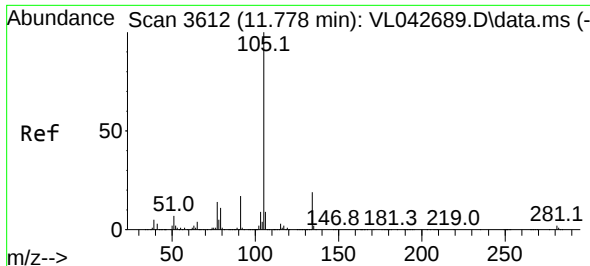
Ion Ratio Lower Upper

91 100

126 18.0 14.8 22.2

128 5.2 4.7 7.1

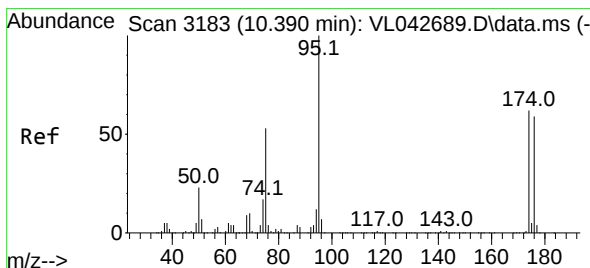
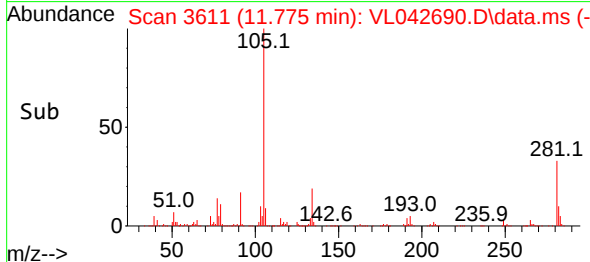
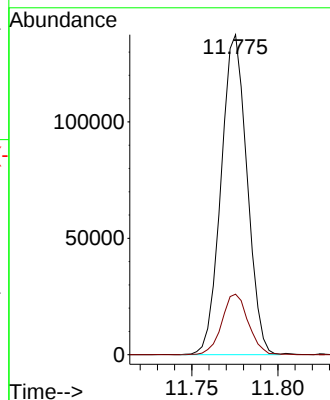
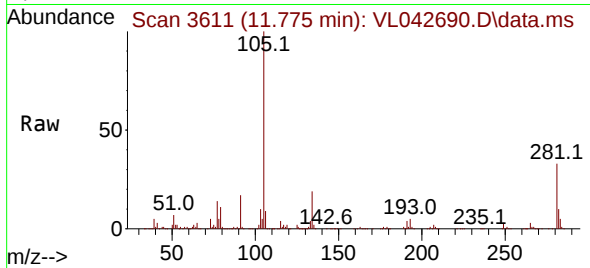




#67
 sec-Butylbenzene
 Concen: 2.255 ppbv
 RT: 11.775 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

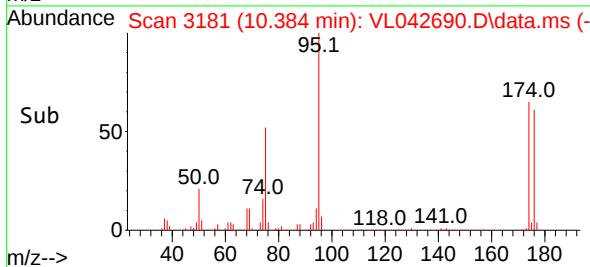
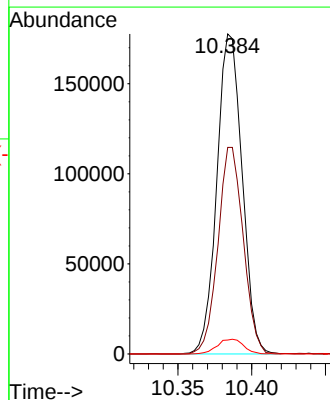
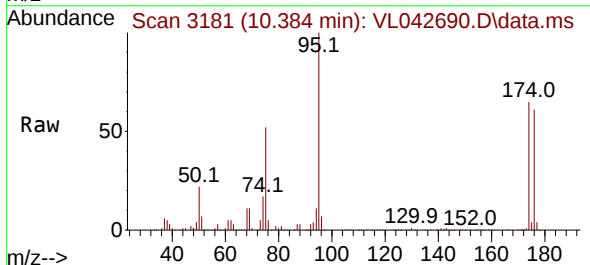
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

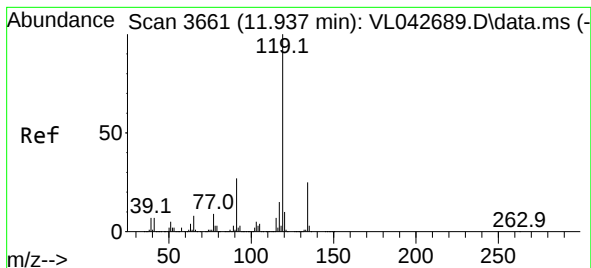
Tgt Ion:105 Resp: 144413
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.141 ppbv
 RT: 10.384 min Scan# 3181
 Delta R.T. -0.006 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion: 95 Resp: 211854
 Ion Ratio Lower Upper
 95 100
 174 64.9 51.2 76.8
 175 4.8 3.8 5.8

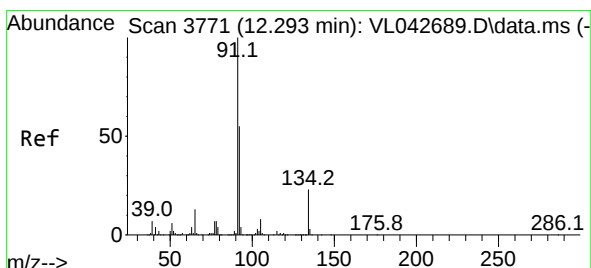
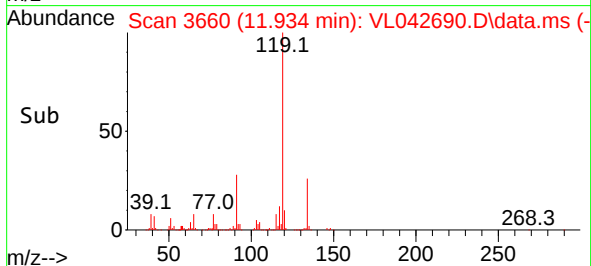
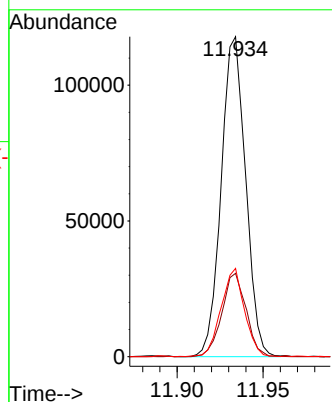
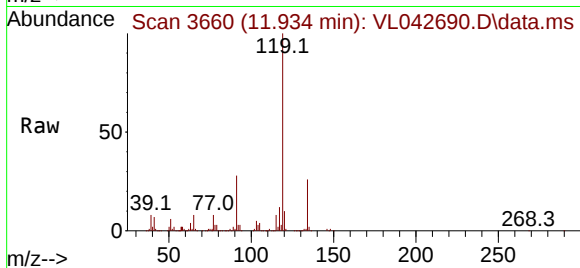




#69
 p-Isopropyltoluene
 Concen: 2.283 ppbv
 RT: 11.934 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

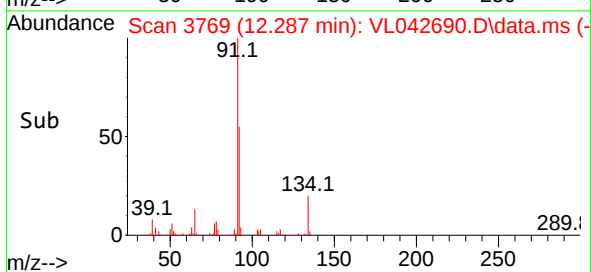
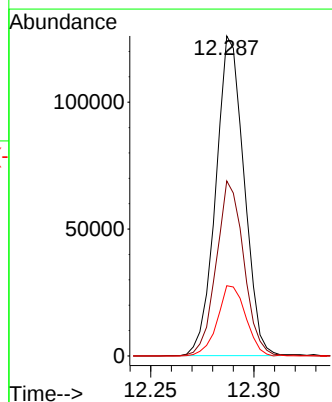
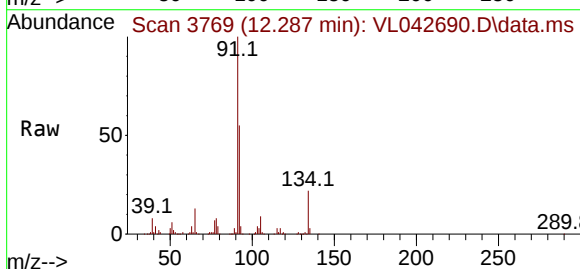
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

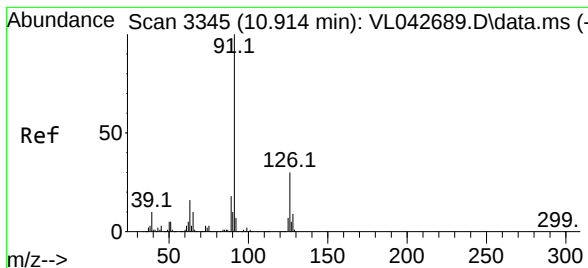
Tgt Ion:119 Resp: 116378
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 31.0
 91 26.9 21.4 32.2



#70
 n-Butylbenzene
 Concen: 2.332 ppbv
 RT: 12.287 min Scan# 3769
 Delta R.T. -0.006 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion: 91 Resp: 119746
 Ion Ratio Lower Upper
 91 100
 92 53.6 44.2 66.2
 134 22.2 18.6 27.8

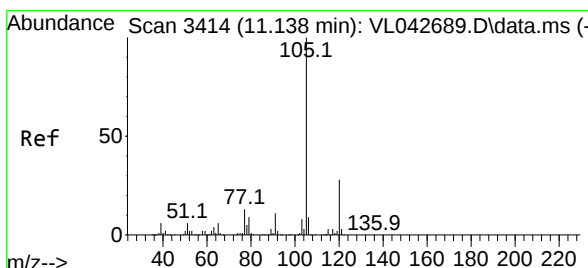
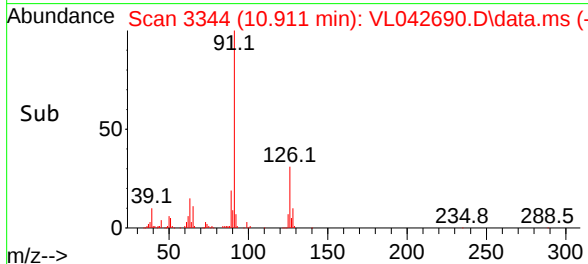
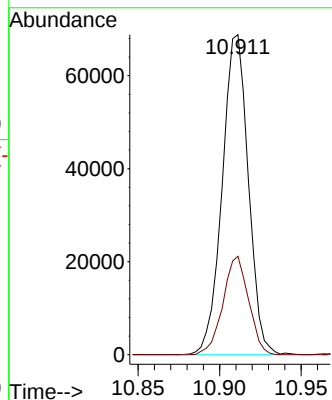
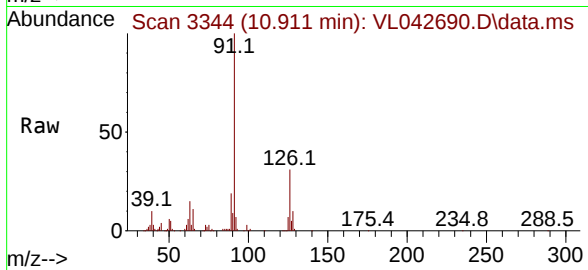




#71
2-Chlorotoluene
Concen: 2.119 ppbv
RT: 10.911 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

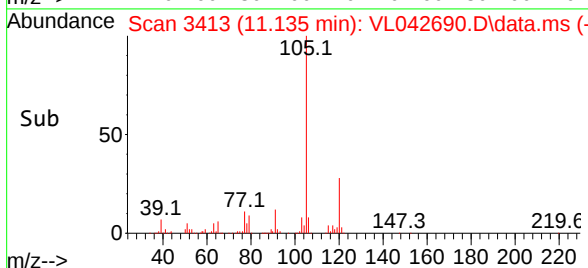
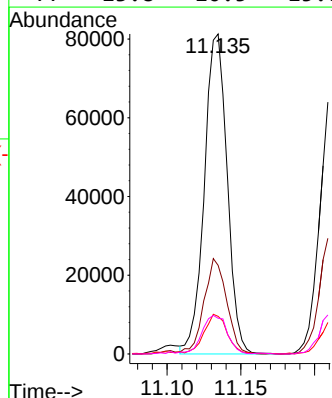
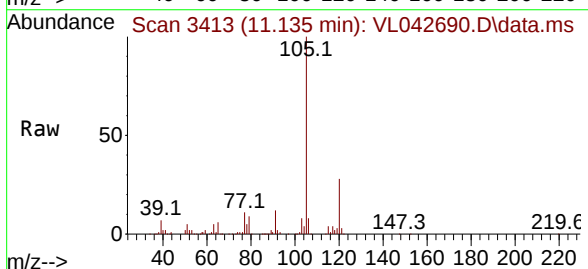
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

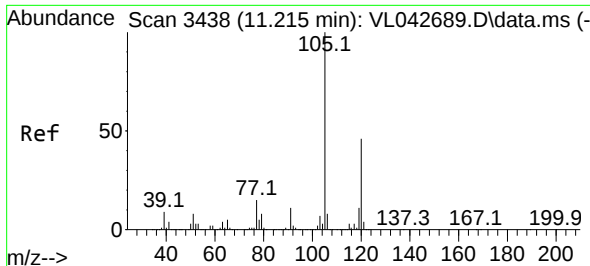
Tgt Ion: 91 Resp: 76582
Ion Ratio Lower Upper
91 100
126 30.1 11.8 47.4



#72
4-Ethyltoluene
Concen: 2.211 ppbv
RT: 11.135 min Scan# 3413
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion: 105 Resp: 87315
Ion Ratio Lower Upper
105 100
120 30.3 23.8 35.6
91 13.6 9.7 14.5
77 13.8 10.5 15.7

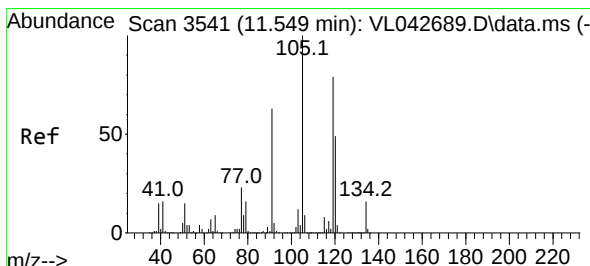
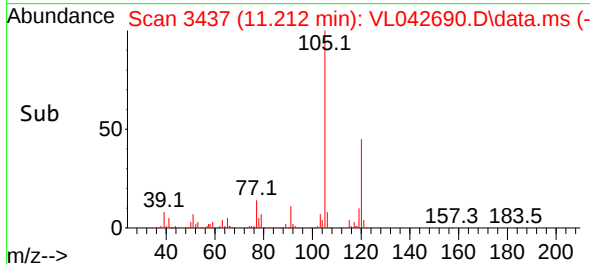
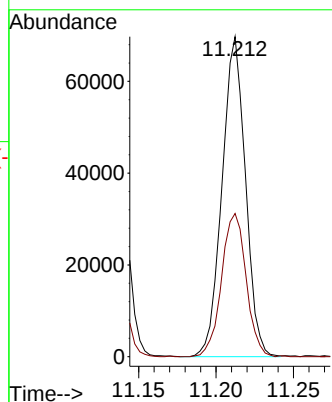
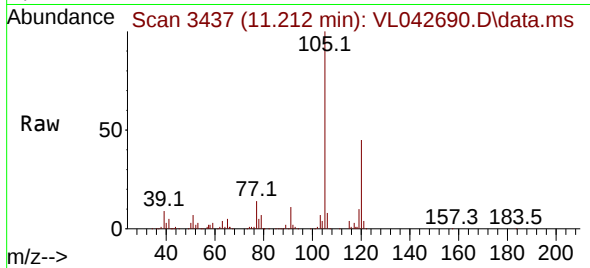




#73
 1,3,5-Trimethylbenzene
 Concen: 2.199 ppbv
 RT: 11.212 min Scan# 3438
 Delta R.T. -0.003 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

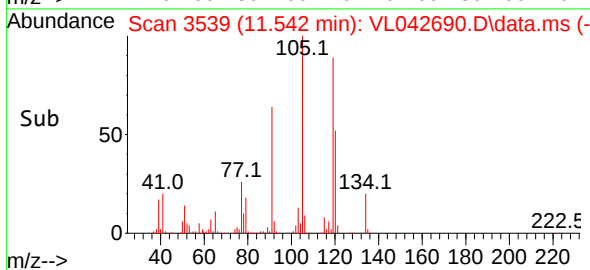
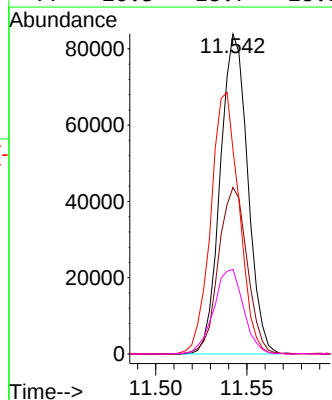
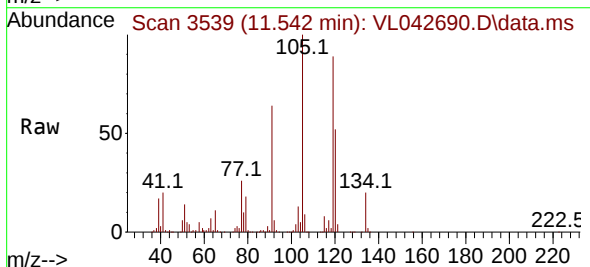
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

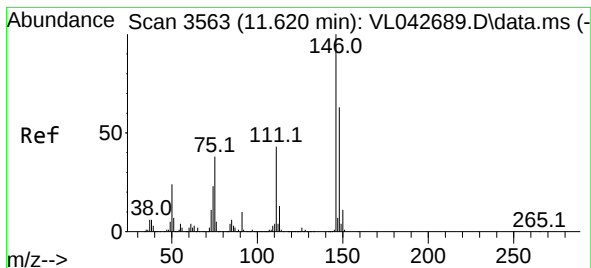
Tgt Ion:105 Resp: 73219
 Ion Ratio Lower Upper
 105 100
 120 44.8 37.0 55.4



#74
 1,2,4-Trimethylbenzene
 Concen: 2.313 ppbv
 RT: 11.542 min Scan# 3539
 Delta R.T. -0.006 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Tgt Ion:105 Resp: 87853
 Ion Ratio Lower Upper
 105 100
 120 52.0 39.6 59.4
 91 63.5 51.0 76.6
 77 26.3 18.7 28.1





#75

1,3-Dichlorobenzene

Concen: 2.136 ppbv

RT: 11.614 min Scan# 3561

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

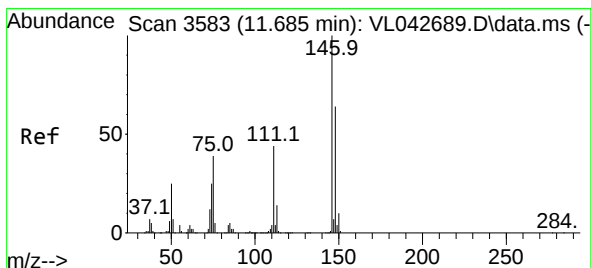
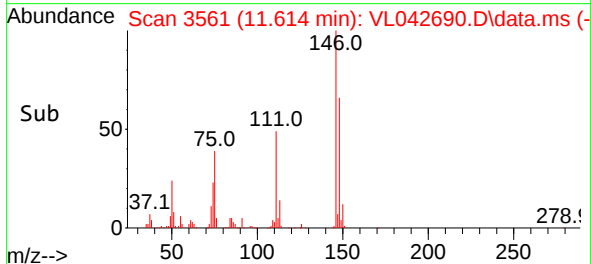
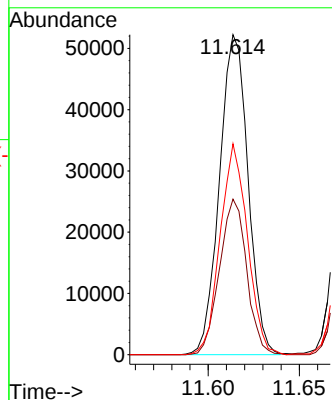
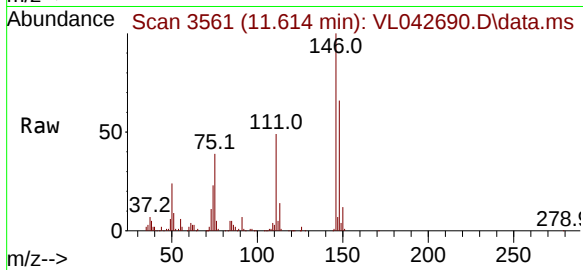
Tgt Ion:146 Resp: 56931

Ion Ratio Lower Upper

146 100

111 46.2 21.6 65.0

148 63.0 31.6 94.7



#76

1,4-Dichlorobenzene

Concen: 2.152 ppbv

RT: 11.678 min Scan# 3581

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

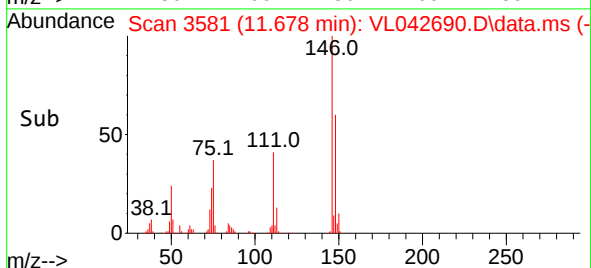
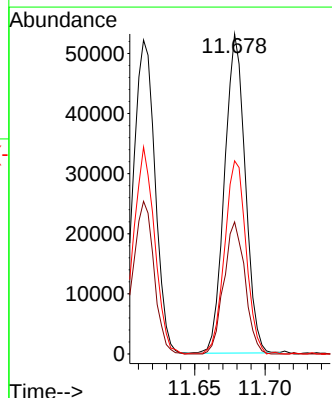
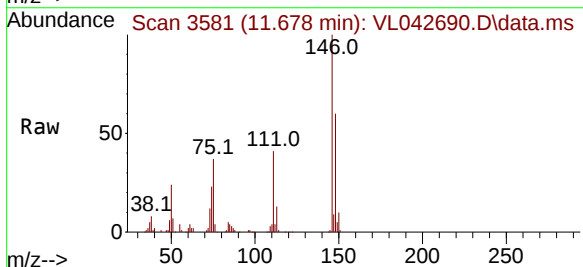
Tgt Ion:146 Resp: 54426

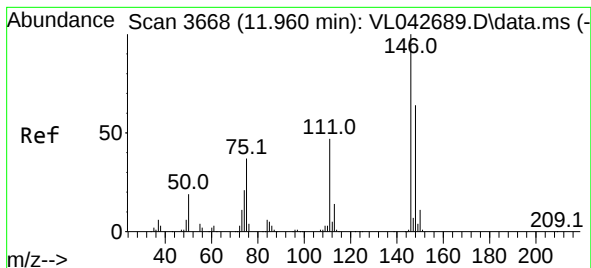
Ion Ratio Lower Upper

146 100

111 42.2 21.4 64.3

148 63.0 31.8 95.4





#77

1,2-Dichlorobenzene

Concen: 2.229 ppbv

RT: 11.953 min Scan# 3666

Delta R.T. -0.006 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

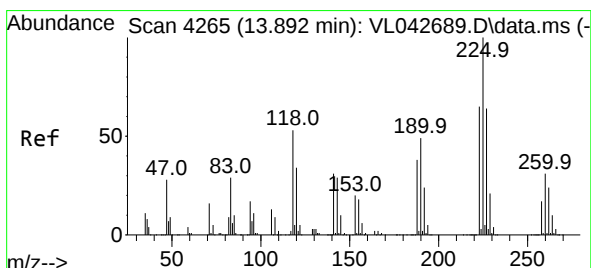
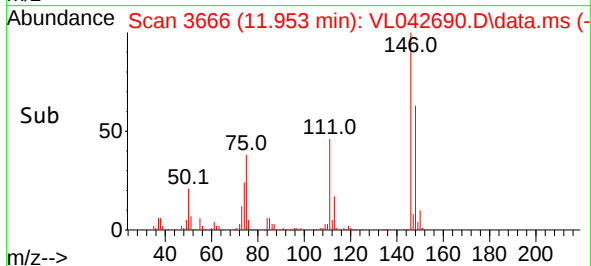
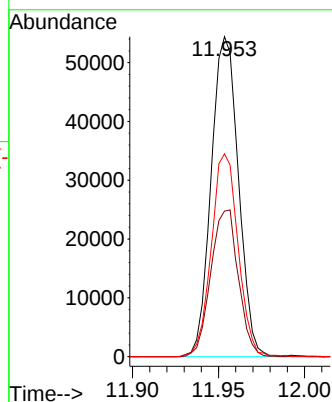
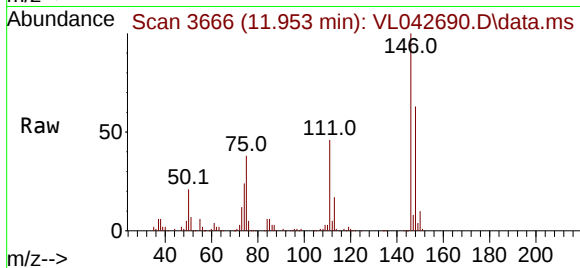
Tgt Ion:146 Resp: 59993

Ion Ratio Lower Upper

146 100

111 46.4 22.9 68.8

148 62.3 31.9 95.7



#78

Hexachloro-1,3-Butadiene

Concen: 2.343 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. -0.003 min

Lab File: VL042690.D

Acq: 02 Jul 2025 08:56

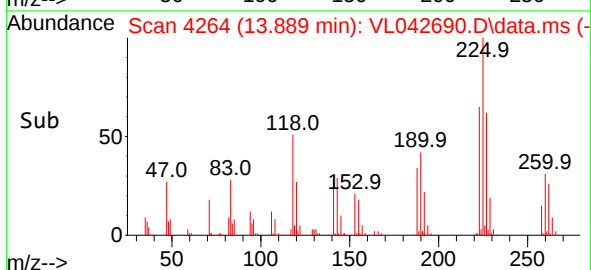
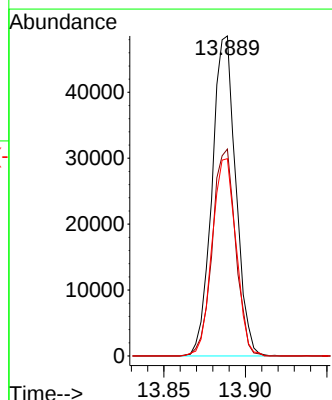
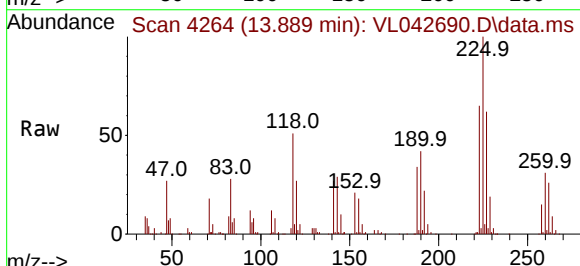
Tgt Ion:225 Resp: 49131

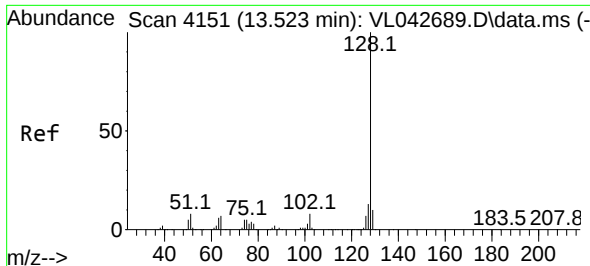
Ion Ratio Lower Upper

225 100

223 63.4 50.5 75.7

227 62.2 50.0 75.0

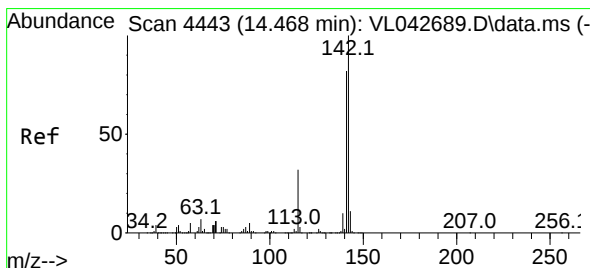
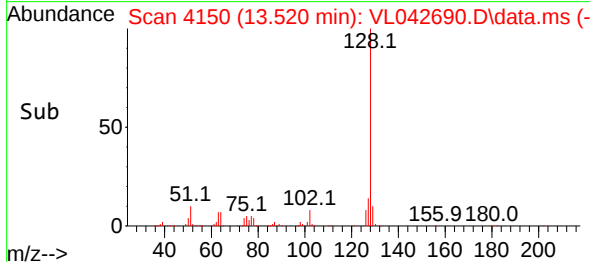
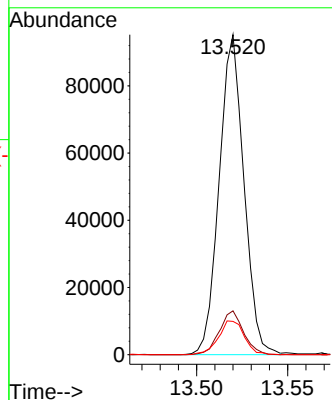
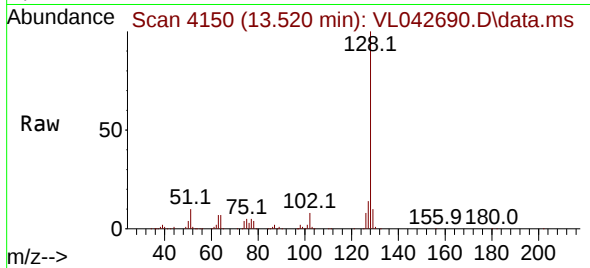




#79
Naphthalene
Concen: 2.852 ppbv
RT: 13.520 min Scan# 4151
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

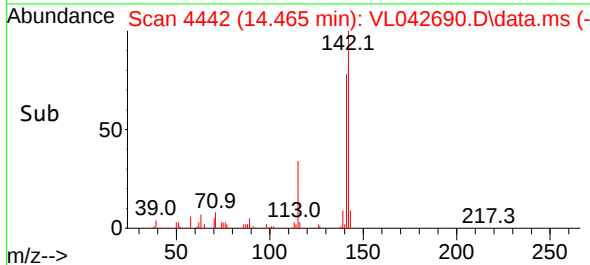
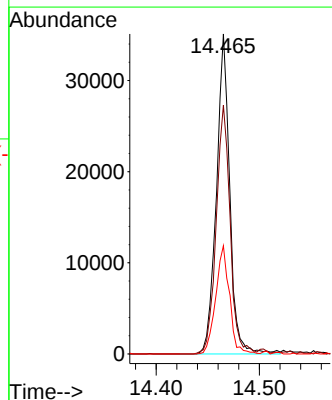
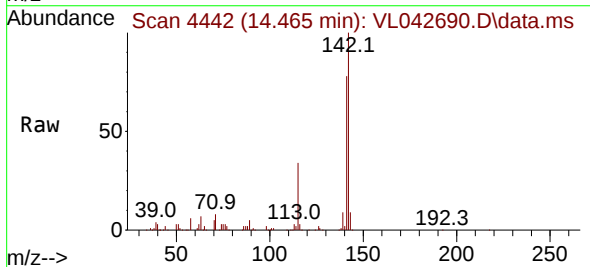
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

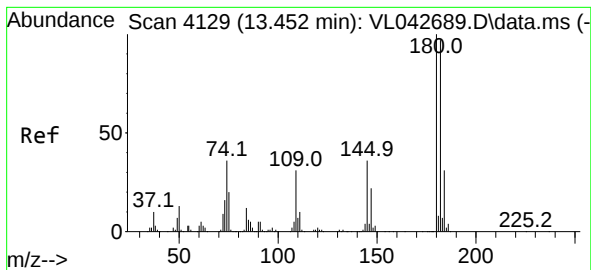
Tgt Ion:128 Resp: 89795
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.4
129 10.4 8.2 12.2



#80
Naphthalene,2-methyl-
Concen: 2.395 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. -0.003 min
Lab File: VL042690.D
Acq: 02 Jul 2025 08:56

Tgt Ion:142 Resp: 31532
Ion Ratio Lower Upper
142 100
141 82.2 67.4 101.2
115 35.2 26.9 40.3





#81
 1,2,4-Trichlorobenzene
 Concen: 2.493 ppbv
 RT: 13.446 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL042690.D
 Acq: 02 Jul 2025 08:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 46047
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 184 30.3 24.4 36.6

