

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
 Data File : VL042203.D
 Acq On : 31 Mar 2025 10:17
 Operator : SY/MD
 Sample : VL0331ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Quant Time: Apr 01 01:35:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.803	49	175685	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	498986	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	456400	10.000	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.396	95	385330	10.281	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.505	85	270376	10.423	ppbv	99
3) Chlorodifluoromethane	1.482	51	262345	9.900	ppbv	95
4) Chloromethane	1.538	50	102731	9.691	ppbv	100
5) Vinyl Chloride	1.586	62	97910	8.716	ppbv	95
6) Bromomethane	1.673	94	43862	9.130	ppbv	98
7) Chloroethane	1.712	64	39774	9.347	ppbv	100
8) Dichlorotetrafluoroethane	1.560	85	228198	10.330	ppbv	94
9) Propene	1.489	41	104679	8.618	ppbv	98
10) Heptane	5.007	43	298492	9.239	ppbv	99
11) Trichlorofluoromethane	1.887	101	258953	10.260	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.149	101	200210	9.650	ppbv	96
13) Ethanol	1.732	45	5239	4.563	ppbv	91
14) Bromoethene	1.790	108	74401	9.361	ppbv	98
15) Acetone	1.845	43	218378	8.888	ppbv	95
16) 1,3-Butadiene	1.615	39	104247	8.688	ppbv	99
17) tert-Butyl alcohol	2.049	59	276592	9.038	ppbv	99
18) 1,1-Dichloroethene	2.042	96	89252	9.202	ppbv	99
19) Isopropyl Alcohol	1.894	45	127449	9.193	ppbv	99
20) Methylene Chloride	2.072	84	76788	8.391	ppbv	97
21) Allyl Chloride	2.107	41	154876	8.938	ppbv	98
22) trans-1,2-Dichloroethene	2.353	96	102643	9.157	ppbv	96
23) Vinyl Acetate	2.476	43	89760	8.441	ppbv #	95
24) 1,1-Dichloroethane	2.421	63	208334	10.026	ppbv	99
25) Ethyl Acetate	2.852	43	609975	9.565	ppbv	99
26) Hexane	2.842	57	234267	9.511	ppbv	99
27) Carbon Disulfide	2.159	76	245905	9.310	ppbv	99
28) Methyl tert-Butyl Ether	2.454	73	169404	11.046	ppbv	94
29) Chloroform	2.865	83	382690	10.616	ppbv	100
30) Cyclohexane	3.881	84	200894	9.393	ppbv	97
31) cis-1,2-Dichloroethene	2.735	61	249599	9.981	ppbv	97
32) 1,1,1-Trichloroethane	3.386	97	402506	9.753	ppbv	99
34) 2-Butanone	2.570	43	343896	9.504	ppbv	100
35) Carbon Tetrachloride	3.784	117	412312	10.578	ppbv	99
36) Benzene	3.677	78	482499	9.754	ppbv	97
37) 1,2-Dichloroethane	3.237	62	310502	10.964	ppbv	98
38) Trichloroethene	4.577	130	201215	9.749	ppbv	95
39) 1,2-Dichloropropane	4.340	63	174119	9.665	ppbv	92
40) 1,4-Dioxane	4.616	88	84833	8.872	ppbv #	91
41) Tetrahydrofuran	3.072	42	194140	9.318	ppbv	99
42) Bromodichloromethane	4.515	83	422881	10.831	ppbv	97
43) Methyl Methacrylate	4.913	69	191894	9.163	ppbv	100
44) 2,2,4-Trimethylpentane	4.667	57	792762	9.483	ppbv	98
45) t-1,3-Dichloropropene	6.447	75	203792	9.071	ppbv	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL033125\
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 Sample : VL0331ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VL0331ABS01

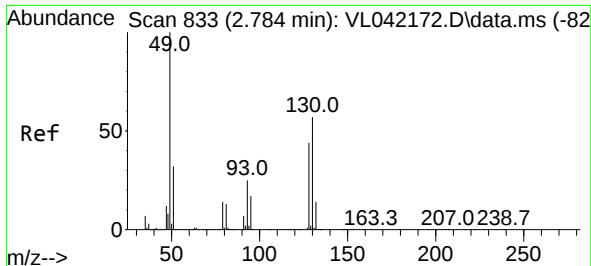
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.632	75	258084	9.371	ppbv	98
47) 1,1,2-Trichloroethane	6.616	97	194204	10.197	ppbv	98
48) Dibromochloromethane	7.415	129	342254	10.604	ppbv	99
49) Bromoform	9.506	173	298349	10.296	ppbv	100
50) 4-Methyl-2-Pentanone	5.787	43	493320	8.603	ppbv	98
51) 2-Hexanone	7.464	43	405558	8.613	ppbv	97
52) Tetrachloroethene	8.250	164	176804	9.012	ppbv	95
53) Toluene	6.965	91	560307	9.555	ppbv	100
54) 1,2-Dibromoethane	7.681	107	273381	10.298	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.946	131	266468	10.607	ppbv	98
57) Chlorobenzene	8.946	112	448854	10.368	ppbv #	95
58) Ethyl Benzene	9.377	91	815513	10.059	ppbv	99
59) m/p-Xylene	9.574	91	672913	10.395	ppbv #	32
60) o-Xylene	9.985	91	673552	10.379	ppbv	99
61) Styrene	9.891	104	322981	10.060	ppbv	99
62) Isopropylbenzene	10.558	105	1021273	10.524	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.985	83	411620	10.440	ppbv	100
64) n-propylbenzene	11.008	120	264706	10.596	ppbv	97
65) tert-Butylbenzene	11.548	119	913025	10.173	ppbv	97
66) Benzyl Chloride	11.633	91	78394	8.232	ppbv	99
67) sec-Butylbenzene	11.785	105	1292454	10.360	ppbv	100
69) p-Isopropyltoluene	11.943	119	1113087	10.362	ppbv	99
70) n-Butylbenzene	12.296	91	1144962	10.422	ppbv	99
71) 2-Chlorotoluene	10.921	91	775424	10.295	ppbv	99
72) 4-Ethyltoluene	11.144	105	848380	10.500	ppbv	100
73) 1,3,5-Trimethylbenzene	11.222	105	736772	10.441	ppbv	97
74) 1,2,4-Trimethylbenzene	11.555	105	800063	9.841	ppbv	97
75) 1,3-Dichlorobenzene	11.626	146	470306	10.548	ppbv	99
76) 1,4-Dichlorobenzene	11.688	146	467631	10.538	ppbv	99
77) 1,2-Dichlorobenzene	11.963	146	460911	10.617	ppbv	99
78) Hexachloro-1,3-Butadiene	13.898	225	371995	8.418	ppbv	100
79) Naphthalene	13.529	128	840768	9.455	ppbv	99
80) Naphthalene,2-methyl-	14.471	142	328839	7.541	ppbv	99
81) 1,2,4-Trichlorobenzene	13.455	180	381981	9.313	ppbv	99

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

Quant Time: Apr 01 01:35:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
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QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

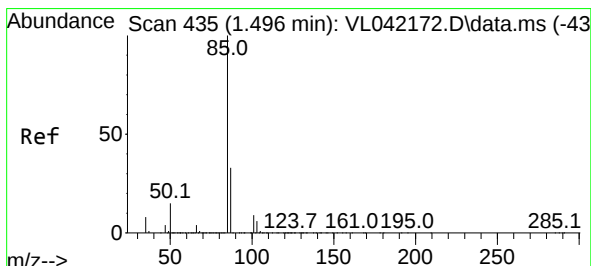
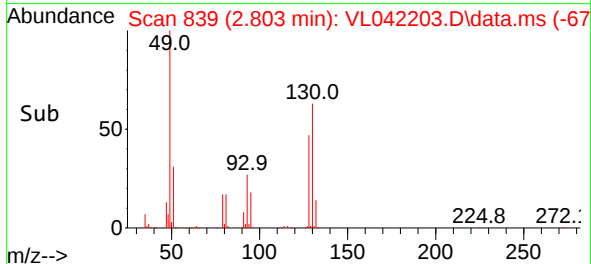
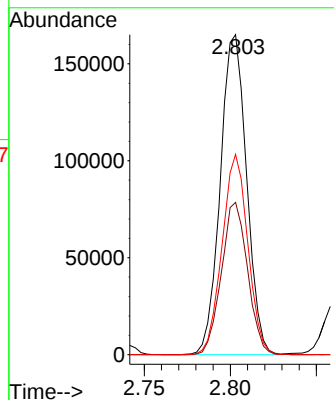
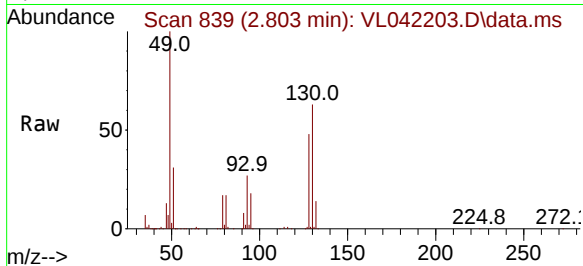




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.803 min Scan# 81
 Delta R.T. 0.019 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

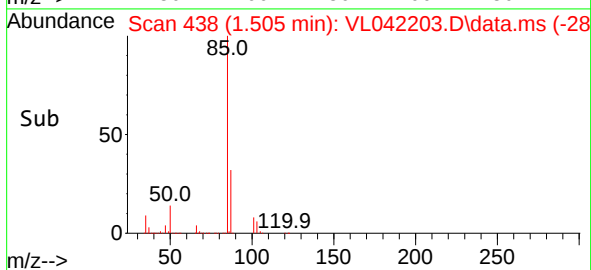
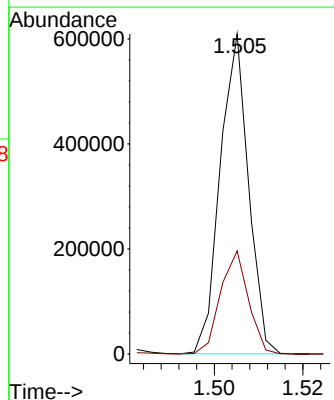
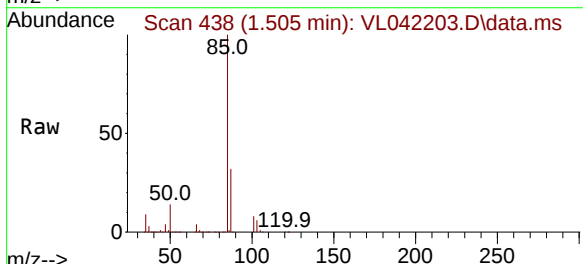
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tgt Ion: 49 Resp: 175685
 Ion Ratio Lower Upper
 49 100
 128 47.2 22.9 68.5
 130 61.2 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 10.423 ppbv
 RT: 1.505 min Scan# 438
 Delta R.T. 0.009 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

Tgt Ion: 85 Resp: 270376
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.1 39.1

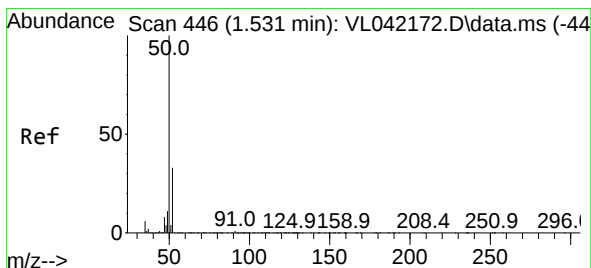
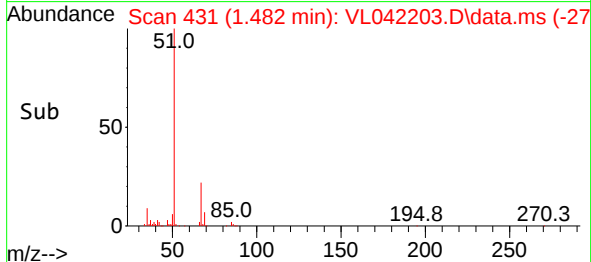
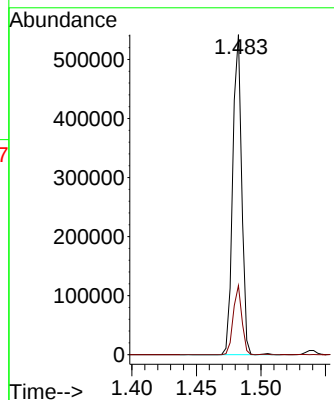
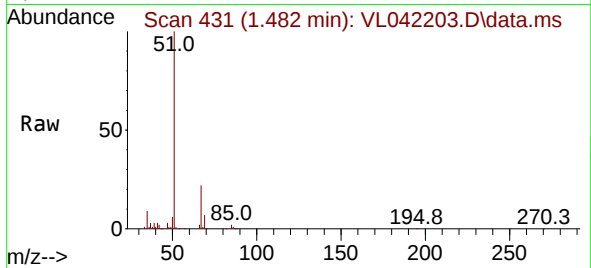




#3
Chlorodifluoromethane
Concen: 9.900 ppbv
RT: 1.482 min Scan# 41
Delta R.T. 0.009 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

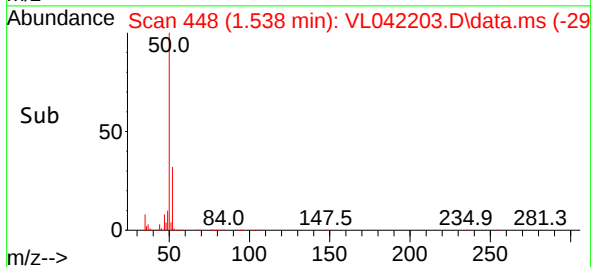
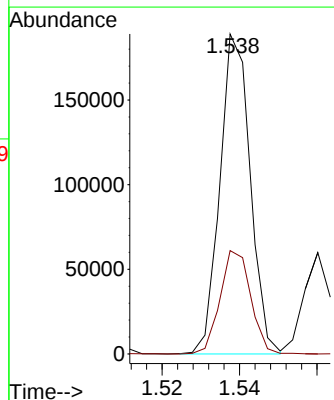
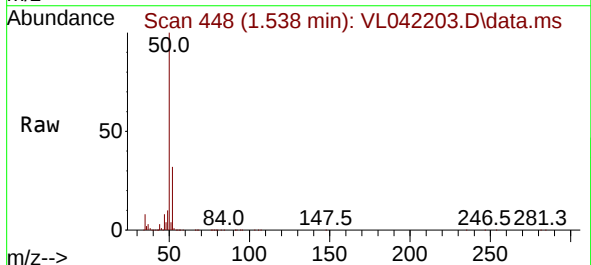
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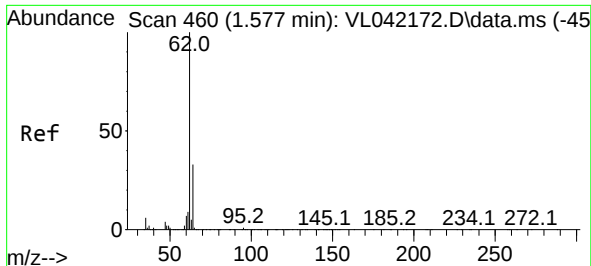
Tgt Ion: 51 Resp: 262345
Ion Ratio Lower Upper
51 100
67 21.0 15.0 22.6



#4
Chloromethane
Concen: 9.691 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 50 Resp: 102731
Ion Ratio Lower Upper
50 100
52 32.3 26.1 39.1

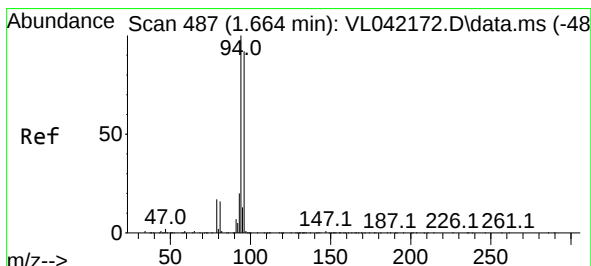
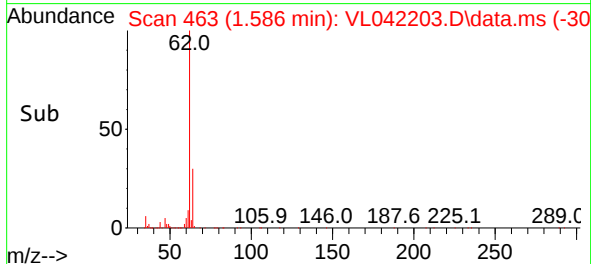
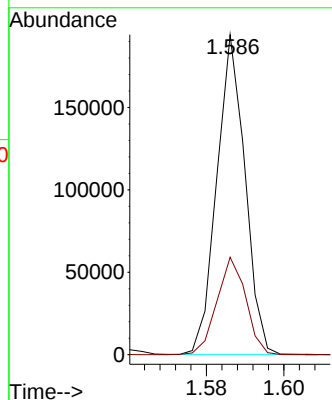
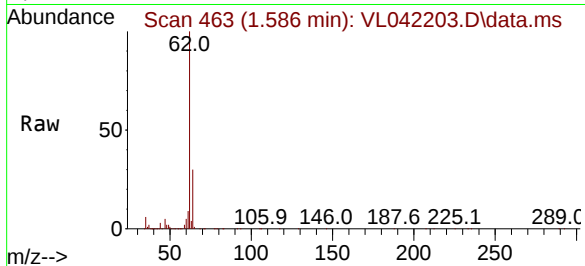




#5
 Vinyl Chloride
 Concen: 8.716 ppbv
 RT: 1.586 min Scan# 41
 Delta R.T. 0.009 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

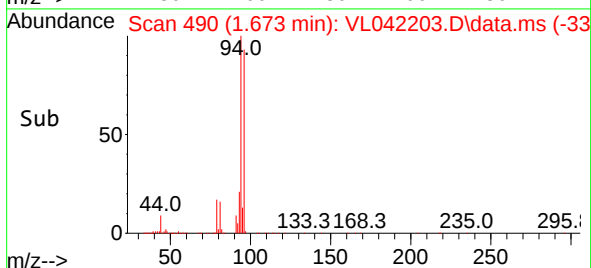
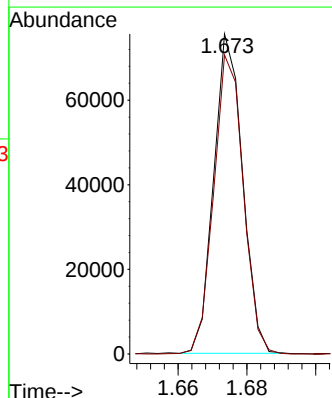
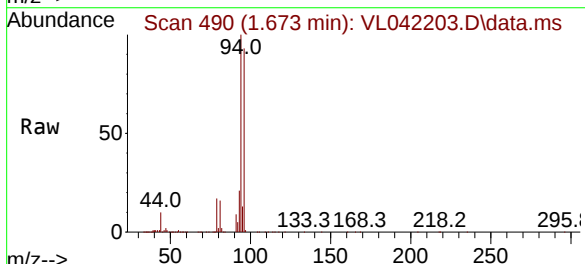
Instrument :
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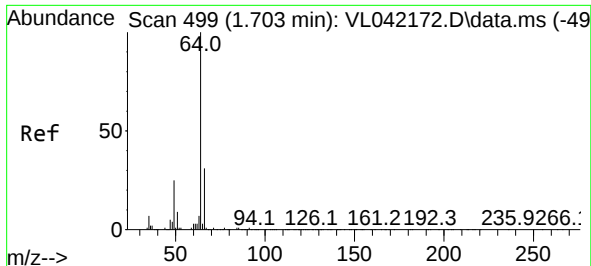
Tgt Ion: 62 Resp: 97910
 Ion Ratio Lower Upper
 62 100
 64 30.5 26.6 40.0



#6
 Bromomethane
 Concen: 9.130 ppbv
 RT: 1.673 min Scan# 490
 Delta R.T. 0.009 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

Tgt Ion: 94 Resp: 43862
 Ion Ratio Lower Upper
 94 100
 96 93.5 73.1 109.7

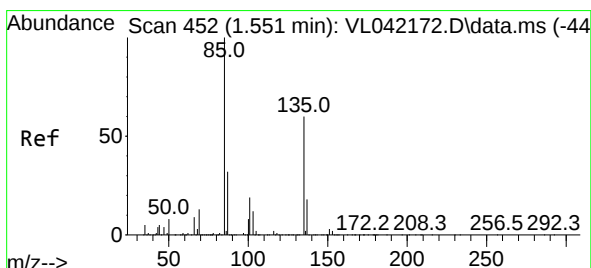
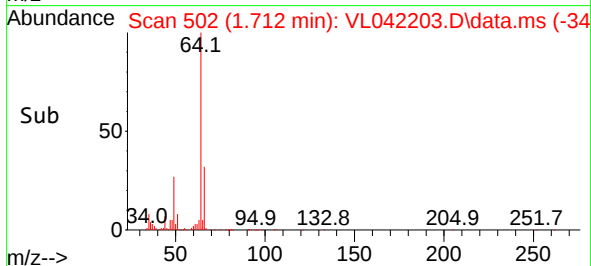
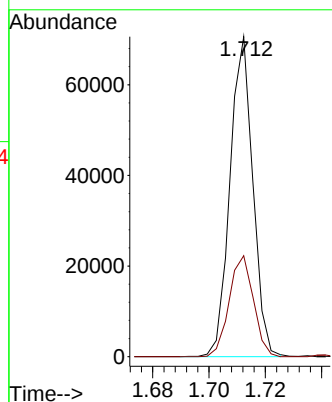
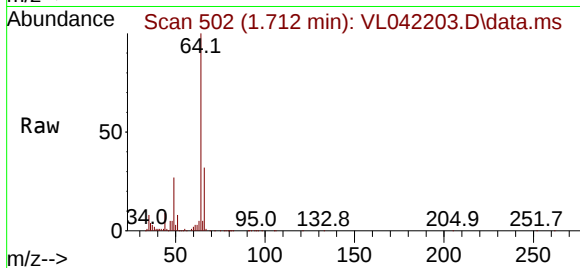




#7
Chloroethane
Concen: 9.347 ppbv
RT: 1.712 min Scan# 502
Delta R.T. 0.009 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

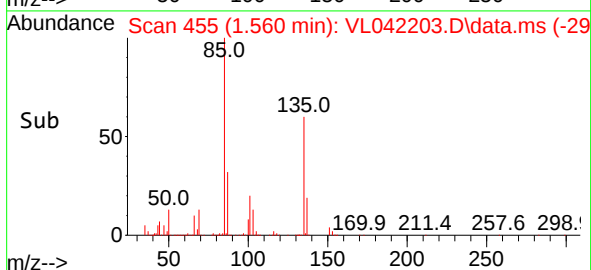
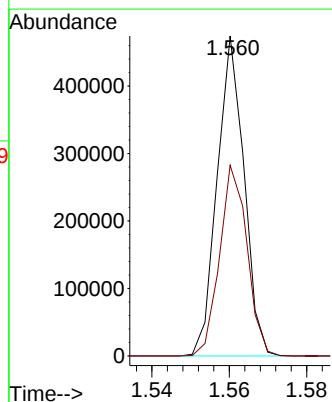
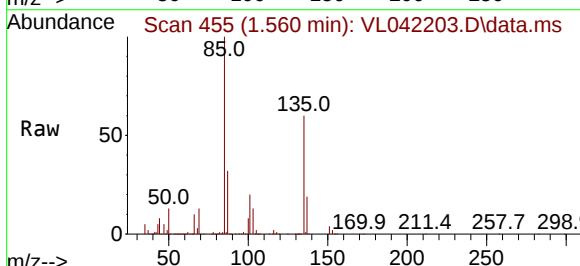
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ClientSampleId :
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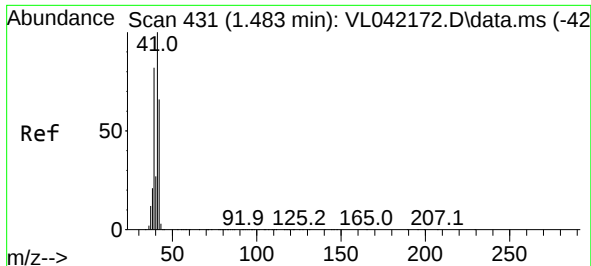
Tgt Ion: 64 Resp: 39774
Ion Ratio Lower Upper
64 100
66 31.6 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 10.330 ppbv
RT: 1.560 min Scan# 455
Delta R.T. 0.009 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 85 Resp: 228198
Ion Ratio Lower Upper
85 100
135 60.9 52.4 78.6





#9

Propene

Concen: 8.618 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

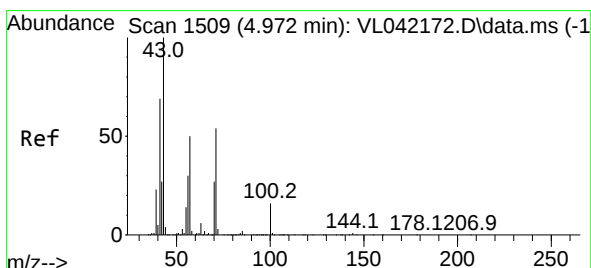
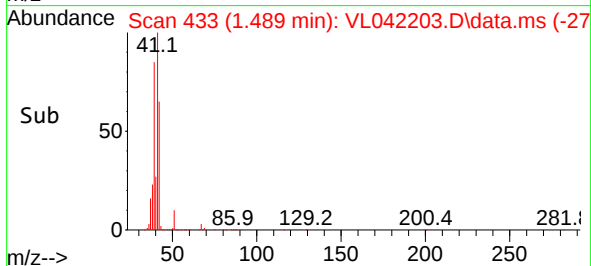
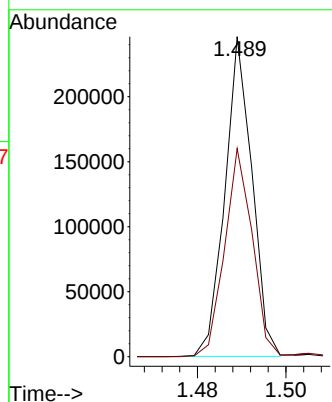
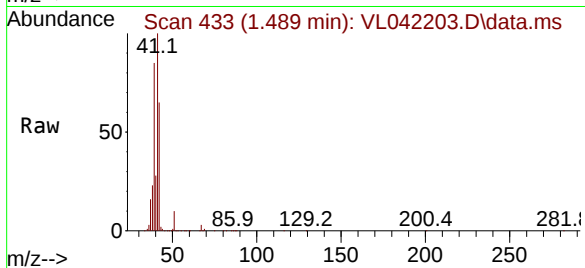
VL0331ABS01

Tgt Ion: 41 Resp: 104679

Ion Ratio Lower Upper

41 100

42 67.9 55.4 83.2



#10

Heptane

Concen: 9.239 ppbv

RT: 5.007 min Scan# 1520

Delta R.T. 0.035 min

Lab File: VL042203.D

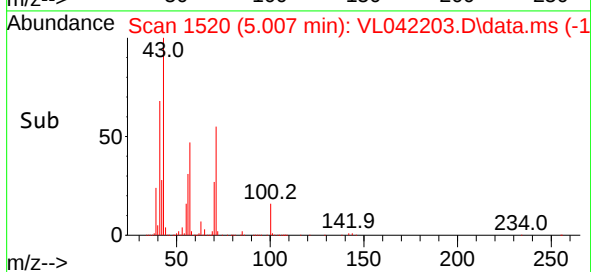
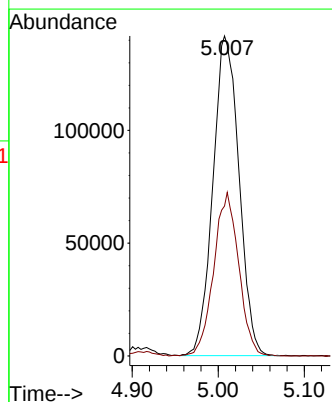
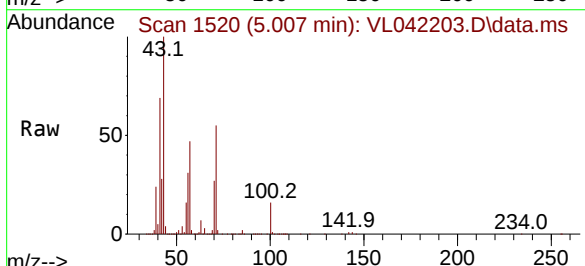
Acq: 31 Mar 2025 10:17

Tgt Ion: 43 Resp: 298492

Ion Ratio Lower Upper

43 100

57 48.9 39.4 59.2

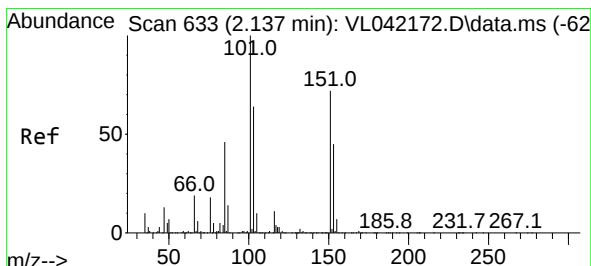
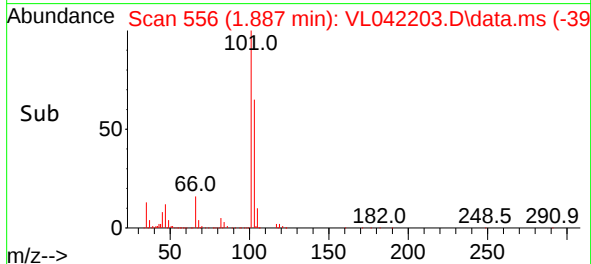
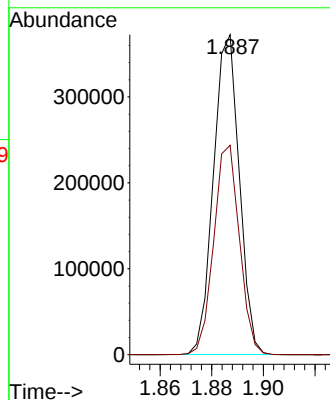
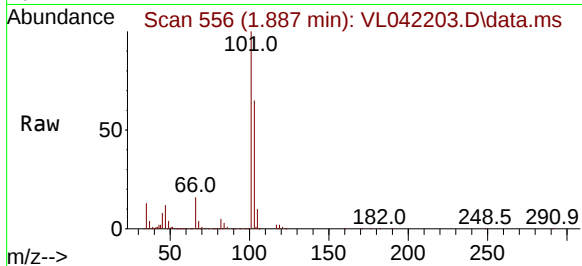




#11
 Trichlorofluoromethane
 Concen: 10.260 ppbv
 RT: 1.887 min Scan# 511
 Delta R.T. 0.013 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

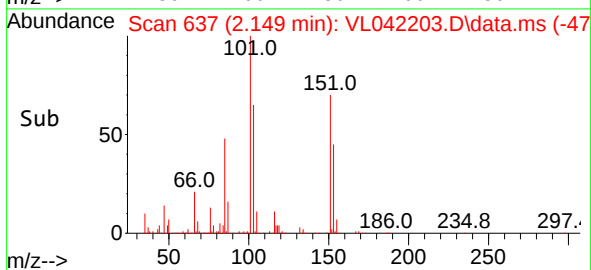
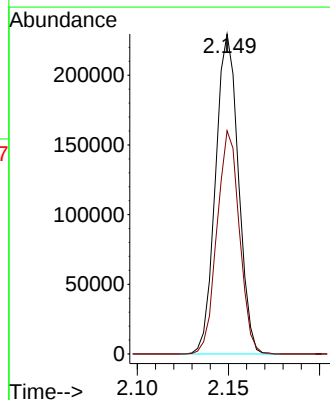
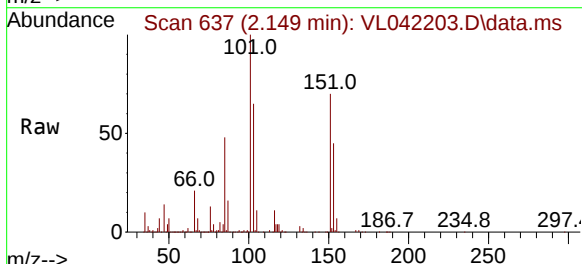
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tgt Ion:101 Resp: 258953
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.650 ppbv
 RT: 2.149 min Scan# 637
 Delta R.T. 0.013 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

Tgt Ion:101 Resp: 200210
 Ion Ratio Lower Upper
 101 100
 151 68.5 57.1 85.7

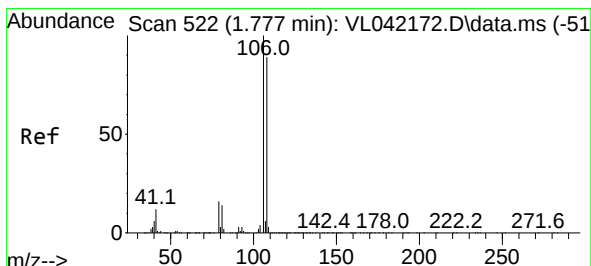
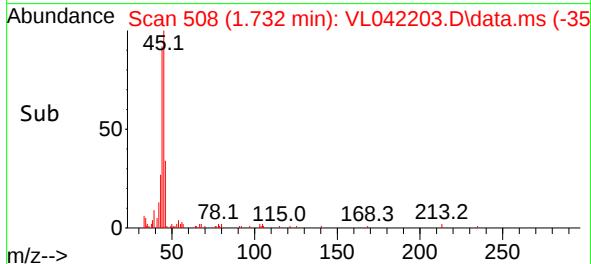
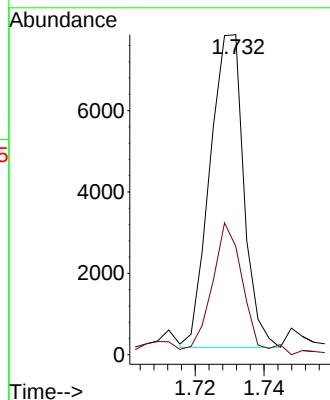
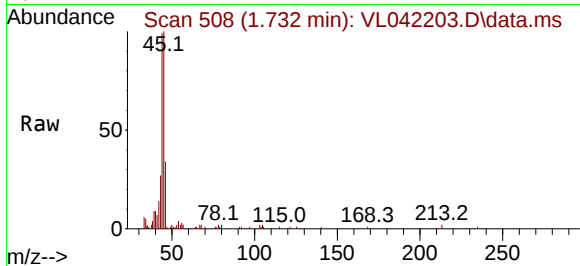




#13
Ethanol
Concen: 4.563 ppbv
RT: 1.732 min Scan# 504
Delta R.T. 0.013 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

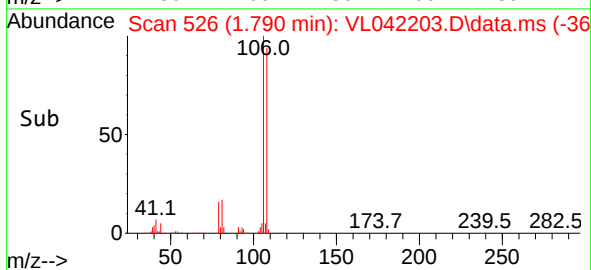
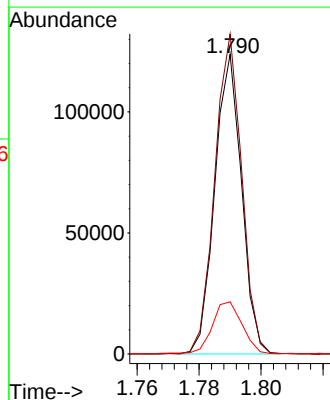
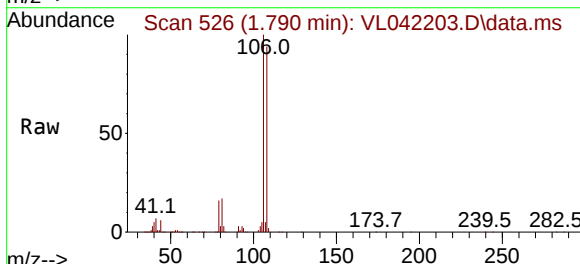
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

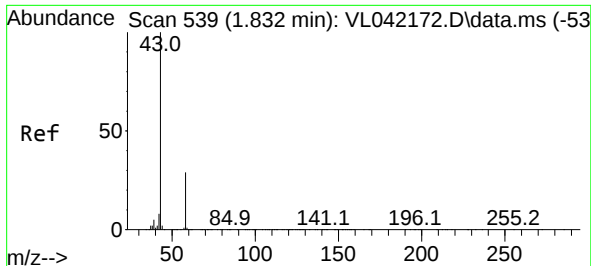
Tgt Ion: 45 Resp: 5239
Ion Ratio Lower Upper
45 100
46 44.4 20.2 80.8



#14
Bromoethene
Concen: 9.361 ppbv
RT: 1.790 min Scan# 526
Delta R.T. 0.013 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 108 Resp: 74401
Ion Ratio Lower Upper
108 100
106 107.1 86.8 130.2
79 20.2 15.0 22.6

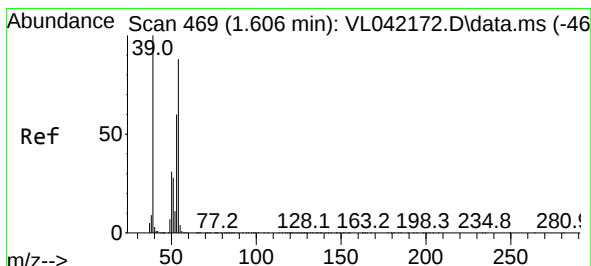
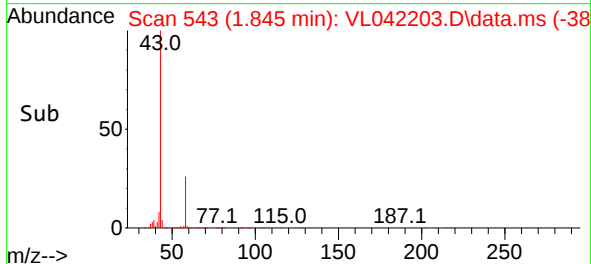
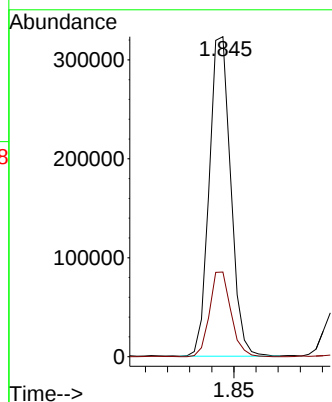
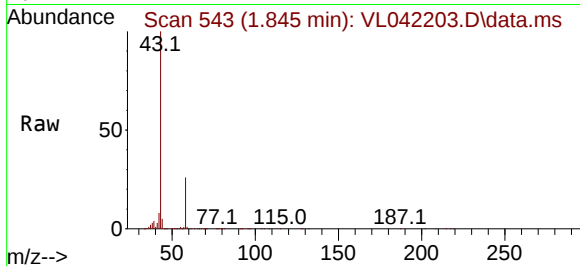




#15
Acetone
Concen: 8.888 ppbv
RT: 1.845 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

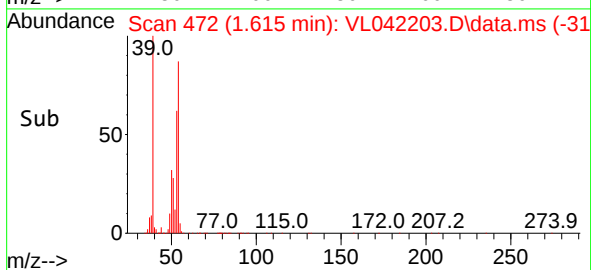
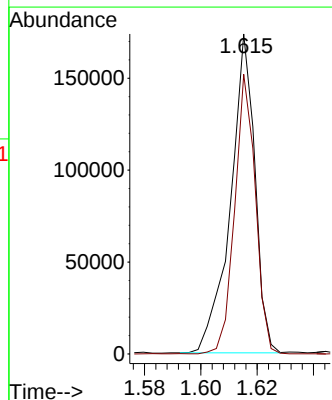
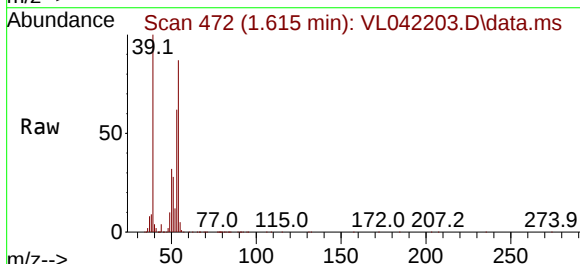
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

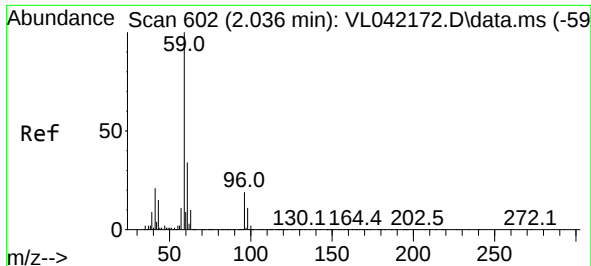
Tgt Ion: 43 Resp: 218378
Ion Ratio Lower Upper
43 100
58 26.4 23.2 34.8



#16
1,3-Butadiene
Concen: 8.688 ppbv
RT: 1.615 min Scan# 472
Delta R.T. 0.009 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 39 Resp: 104247
Ion Ratio Lower Upper
39 100
54 74.6 60.7 91.1





#17

tert-Butyl alcohol

Concen: 9.038 ppbv

RT: 2.049 min Scan# 606

Delta R.T. 0.013 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

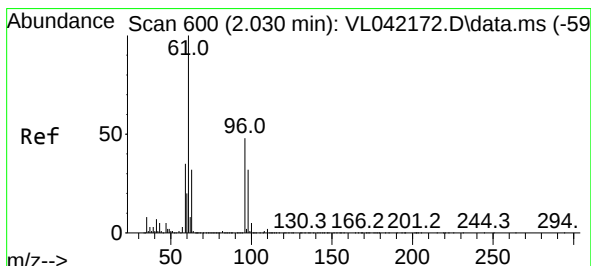
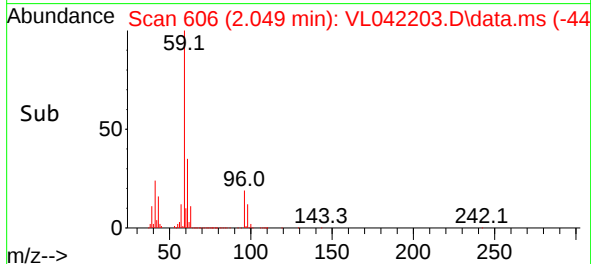
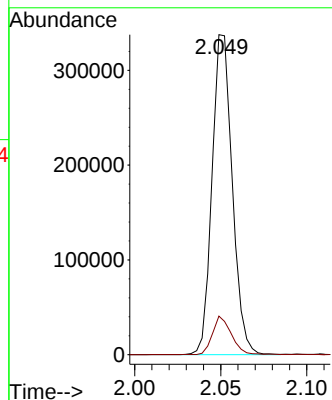
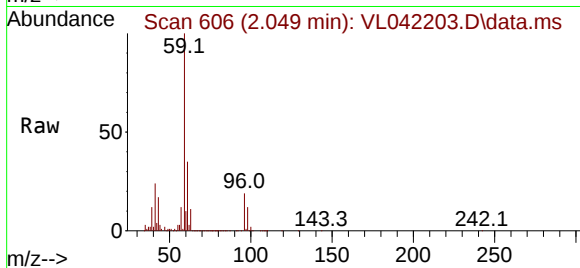
VL0331ABS01

Tgt Ion: 59 Resp: 276592

Ion Ratio Lower Upper

59 100

57 11.4 8.9 13.3



#18

1,1-Dichloroethene

Concen: 9.202 ppbv

RT: 2.042 min Scan# 604

Delta R.T. 0.013 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

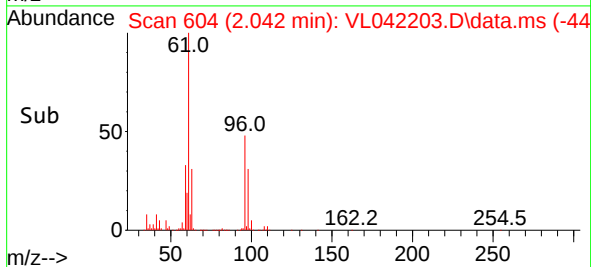
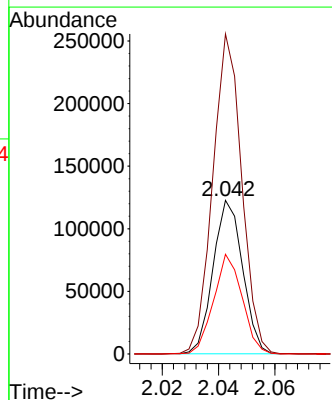
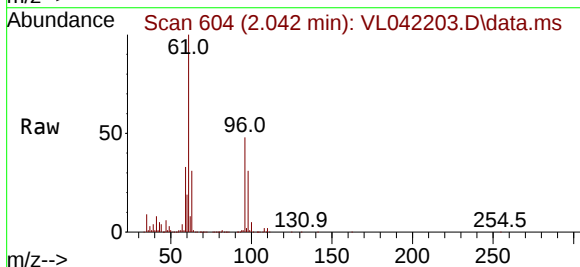
Tgt Ion: 96 Resp: 89252

Ion Ratio Lower Upper

96 100

61 208.4 167.6 251.4

98 65.0 53.5 80.3

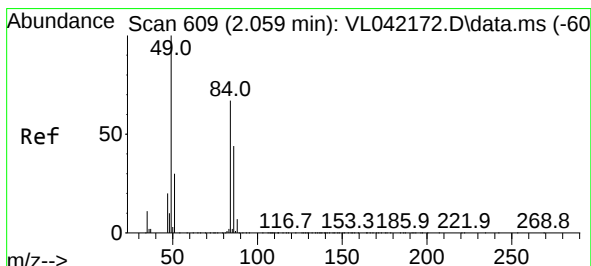
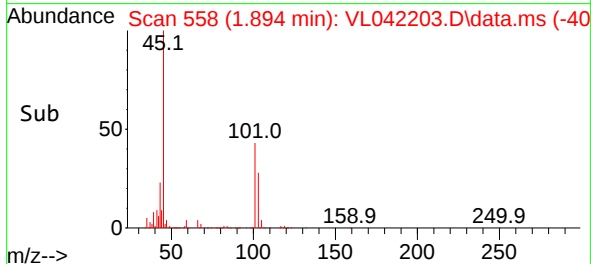
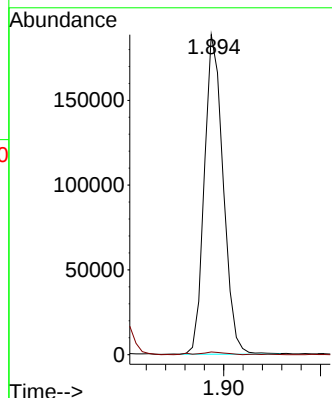
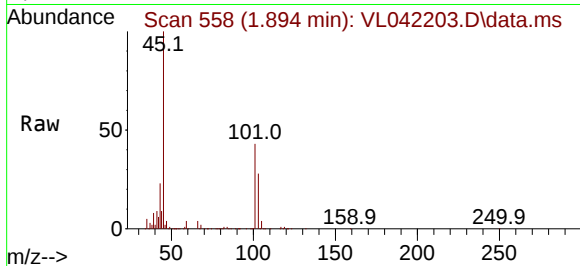




#19
Isopropyl Alcohol
Concen: 9.193 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.009 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

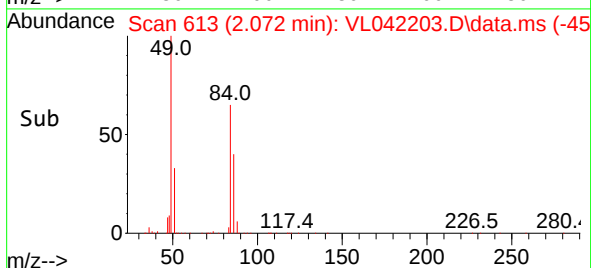
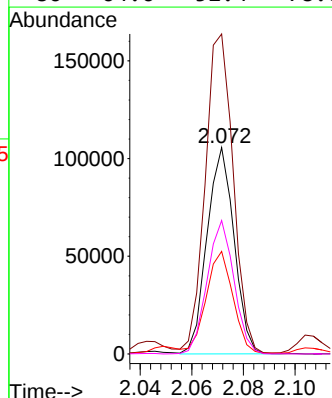
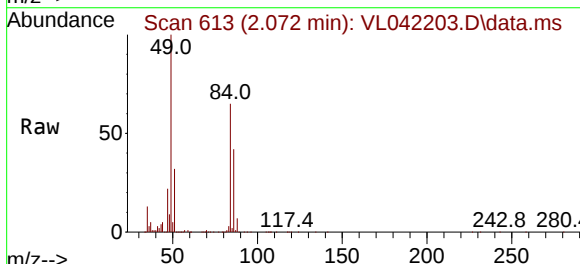
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

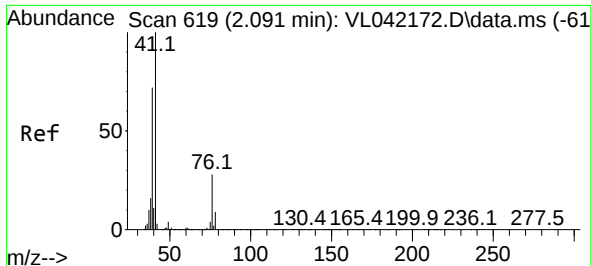
Tgt Ion: 45 Resp: 127449
Ion Ratio Lower Upper
45 100
58 45.3 36.9 55.3



#20
Methylene Chloride
Concen: 8.391 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 84 Resp: 76788
Ion Ratio Lower Upper
84 100
49 154.6 120.2 180.4
51 49.3 37.4 56.0
86 64.6 52.4 78.6

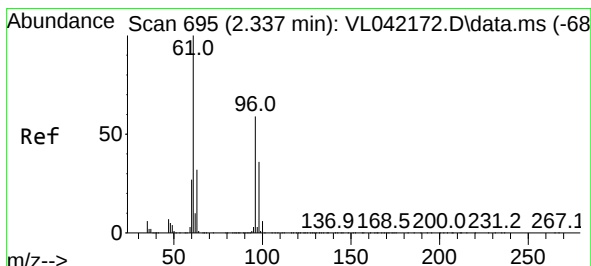
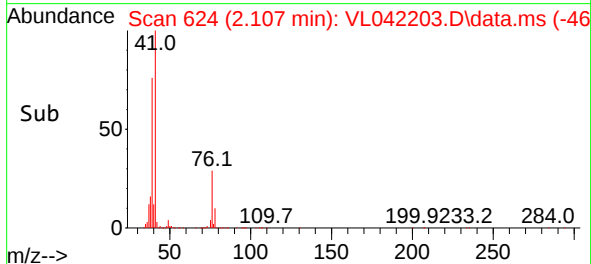
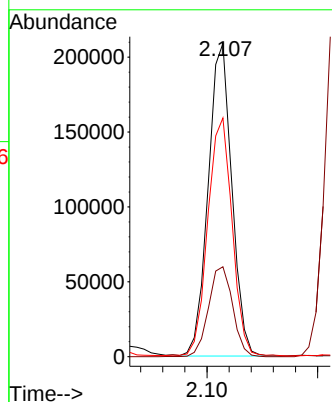
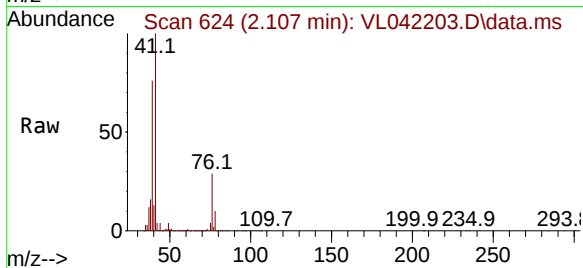




#21
 Allyl Chloride
 Concen: 8.938 ppbv
 RT: 2.107 min Scan# 61
 Delta R.T. 0.016 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

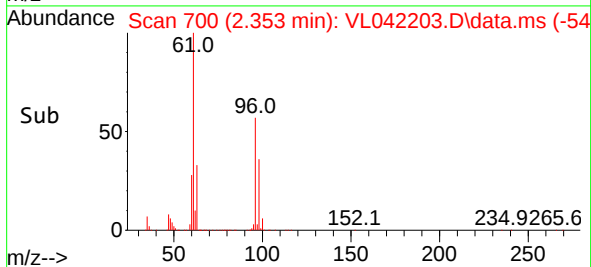
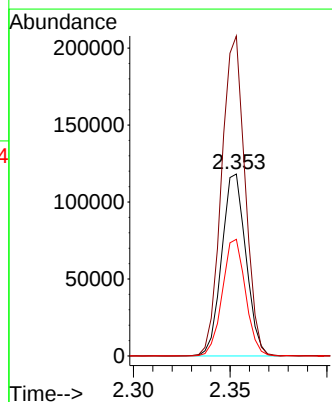
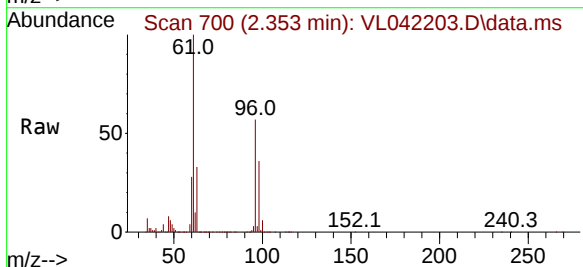
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0331ABS01

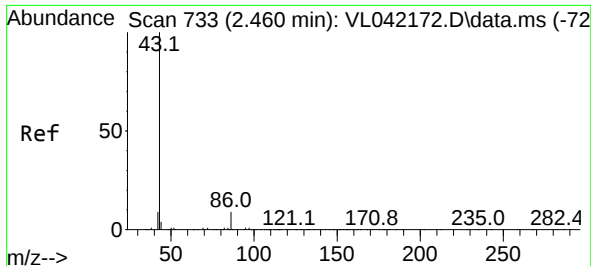
Tgt Ion: 41 Resp: 154876
 Ion Ratio Lower Upper
 41 100
 76 29.3 24.1 36.1
 39 78.1 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 9.157 ppbv
 RT: 2.353 min Scan# 700
 Delta R.T. 0.016 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

Tgt Ion: 96 Resp: 102643
 Ion Ratio Lower Upper
 96 100
 61 175.8 136.6 204.8
 98 64.1 49.4 74.2

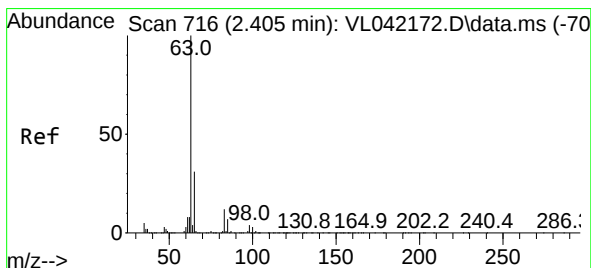
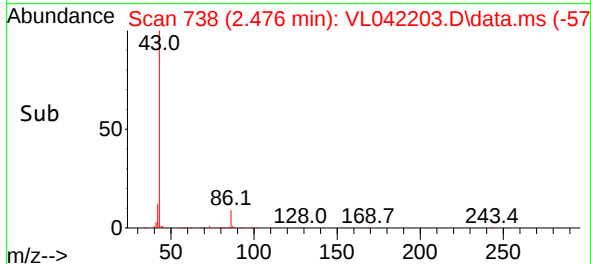
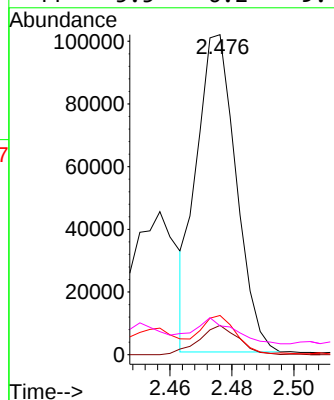
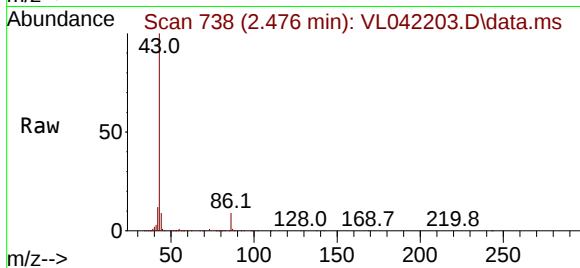




#23
Vinyl Acetate
Concen: 8.441 ppbv
RT: 2.476 min Scan# 71
Delta R.T. 0.016 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

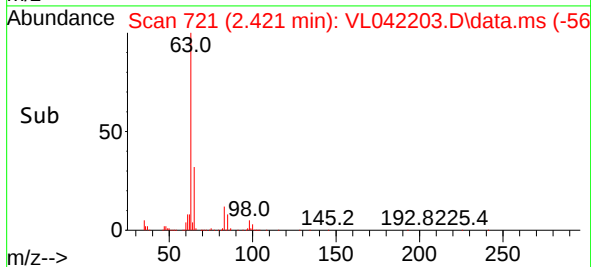
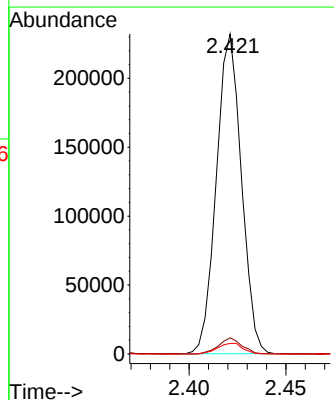
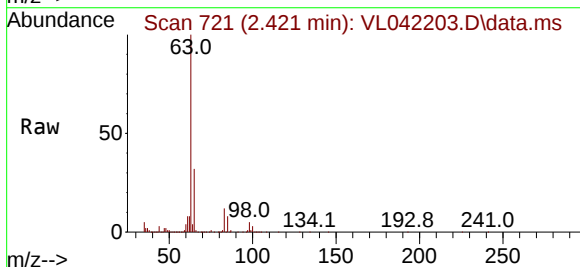
Instrument :
MSVOA_1
ClientSampleId :
VL0331ABS01

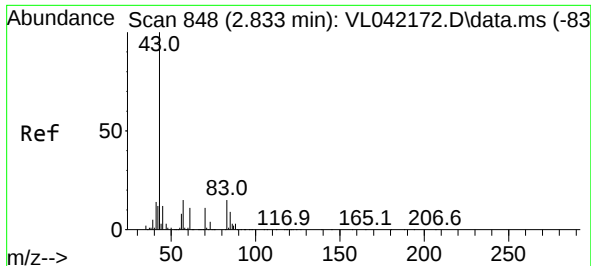
Tgt Ion: 43 Resp: 89760
Ion Ratio Lower Upper
43 100
86 9.2 5.5 8.3#
42 11.8 8.6 13.0
44 5.5 6.2 9.4#



#24
1,1-Dichloroethane
Concen: 10.026 ppbv
RT: 2.421 min Scan# 721
Delta R.T. 0.016 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 63 Resp: 208334
Ion Ratio Lower Upper
63 100
98 5.0 2.3 6.8
100 3.3 1.6 4.7

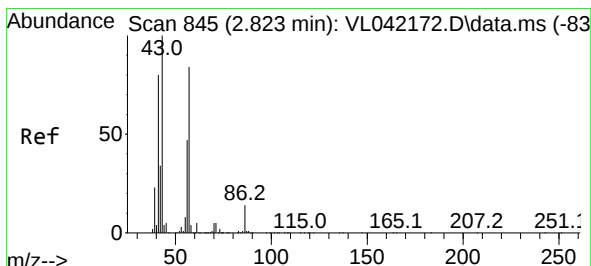
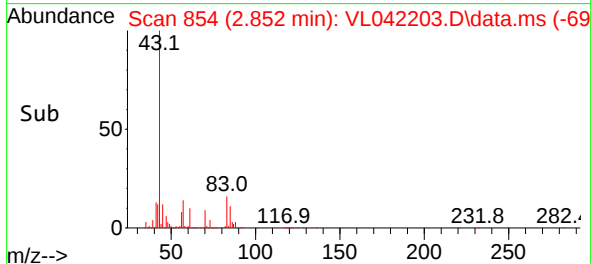
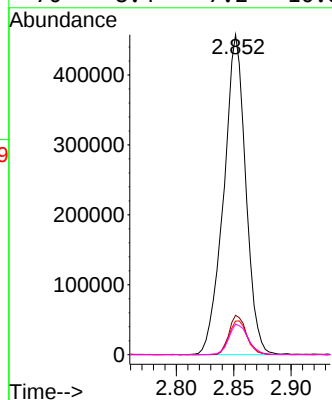
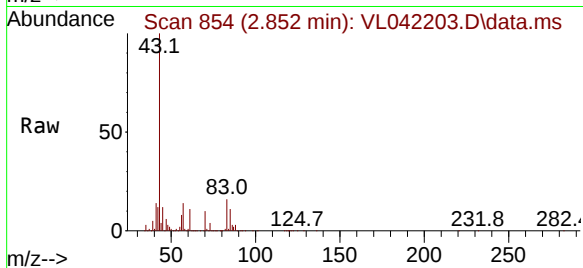




#25
Ethyl Acetate
Concen: 9.565 ppbv
RT: 2.852 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

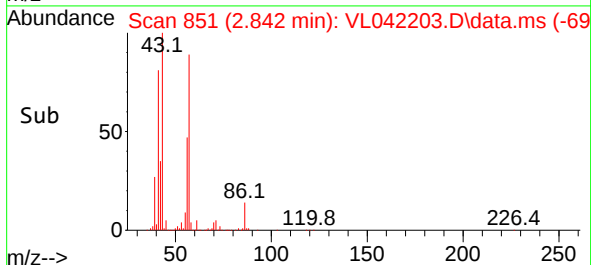
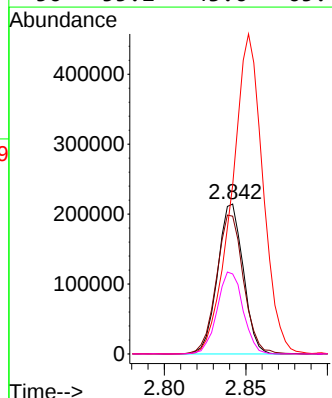
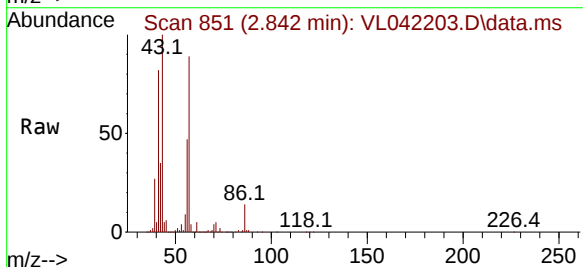
Instrument :
MSVOA_1
ClientSampleId :
VL0331ABS01

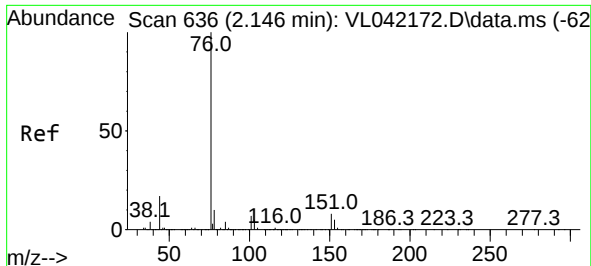
Tgt Ion: 43	Resp: 609975
Ion Ratio	Lower Upper
43 100	
45 9.9	8.2 12.2
61 8.8	7.3 10.9
70 8.4	7.2 10.8



#26
Hexane
Concen: 9.511 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.019 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 57	Resp: 234267
Ion Ratio	Lower Upper
57 100	
41 97.6	76.6 114.8
43 261.1	207.8 311.8
56 55.2	43.6 65.4

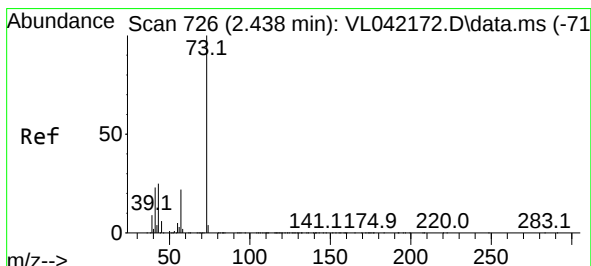
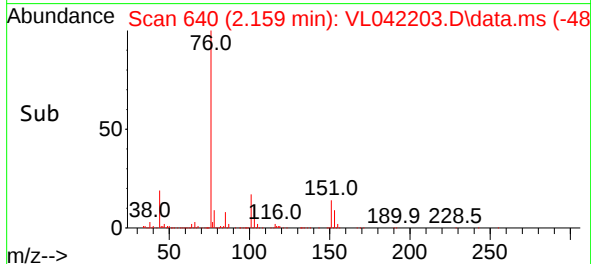
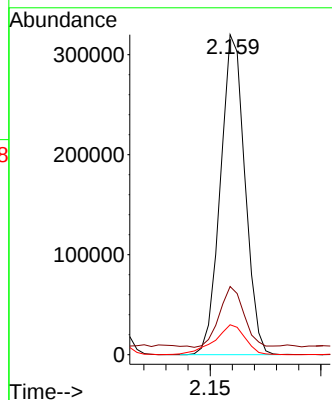
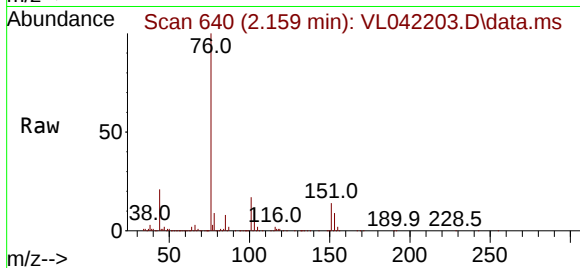




#27
Carbon Disulfide
Concen: 9.310 ppbv
RT: 2.159 min Scan# 640
Delta R.T. 0.013 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

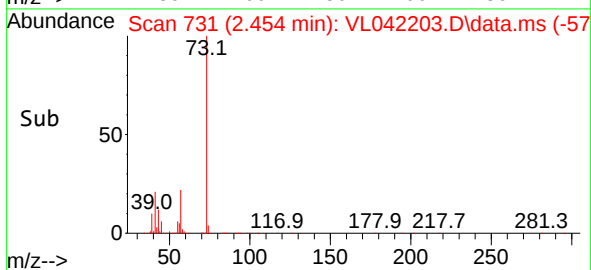
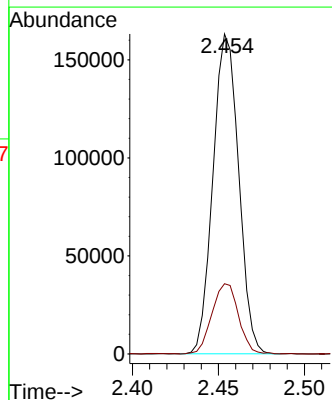
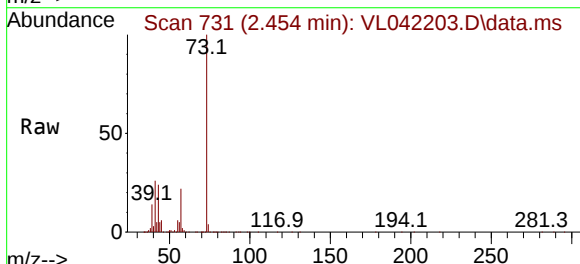
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

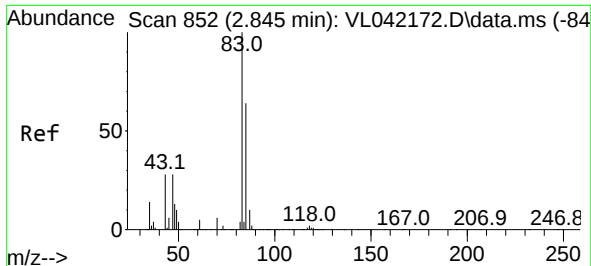
Tgt Ion: 76 Resp: 245905
Ion Ratio Lower Upper
76 100
44 19.4 14.7 22.1
78 11.7 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 11.046 ppbv
RT: 2.454 min Scan# 731
Delta R.T. 0.016 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 73 Resp: 169404
Ion Ratio Lower Upper
73 100
57 22.8 20.5 30.7





#29

Chloroform

Concen: 10.616 ppbv

RT: 2.865 min Scan# 81

Delta R.T. 0.019 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

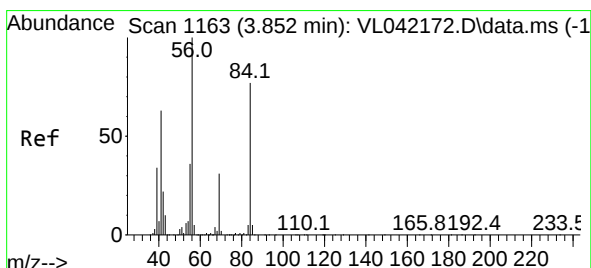
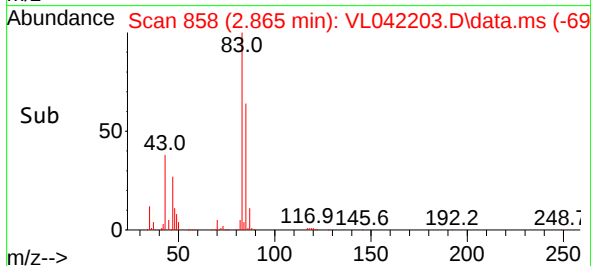
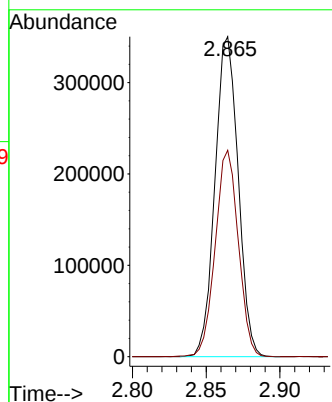
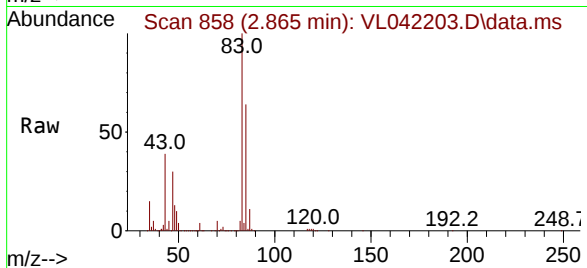
VL0331ABS01

Tgt Ion: 83 Resp: 382690

Ion Ratio Lower Upper

83 100

85 64.5 51.4 77.2



#30

Cyclohexane

Concen: 9.393 ppbv

RT: 3.881 min Scan# 1172

Delta R.T. 0.029 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

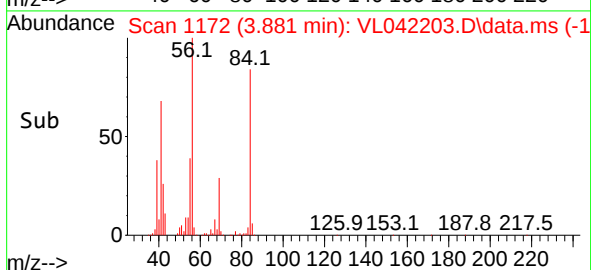
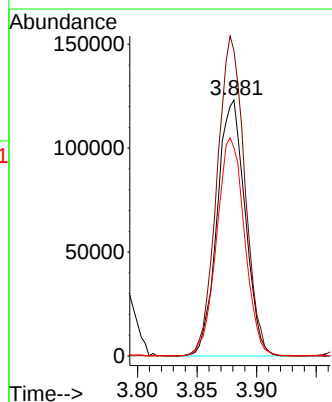
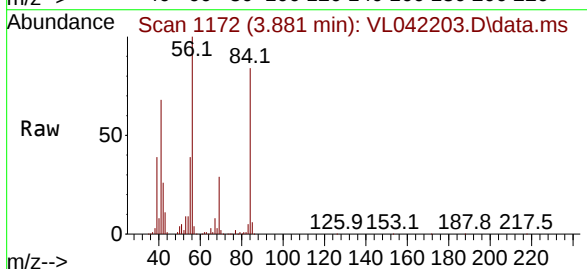
Tgt Ion: 84 Resp: 200894

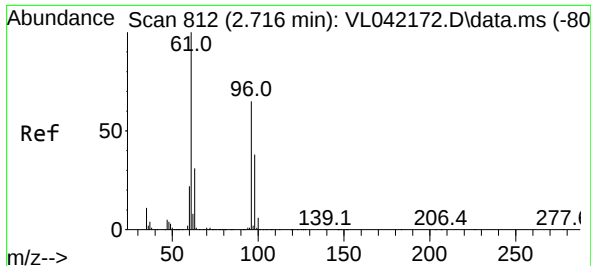
Ion Ratio Lower Upper

84 100

56 123.7 102.8 154.2

41 85.2 66.5 99.7

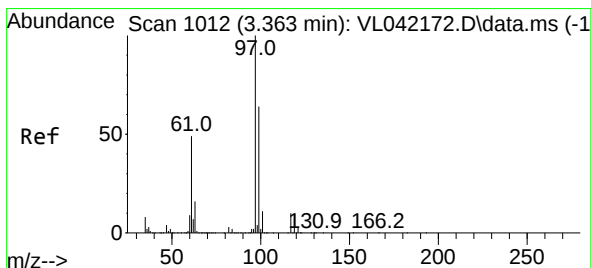
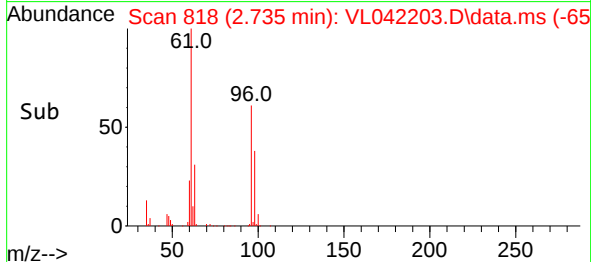
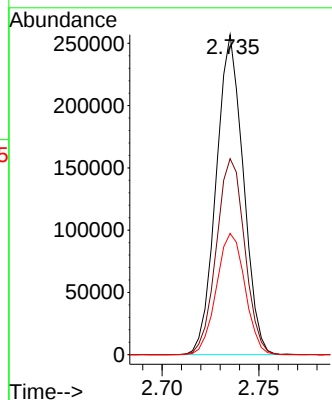
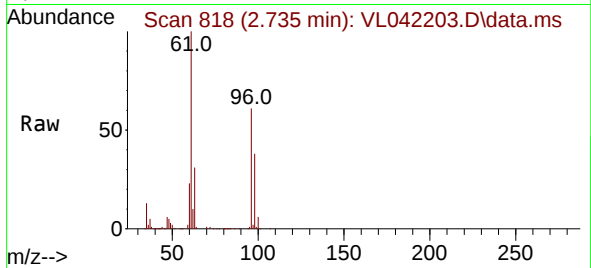




#31
 cis-1,2-Dichloroethene
 Concen: 9.981 ppbv
 RT: 2.735 min Scan# 81
 Delta R.T. 0.019 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

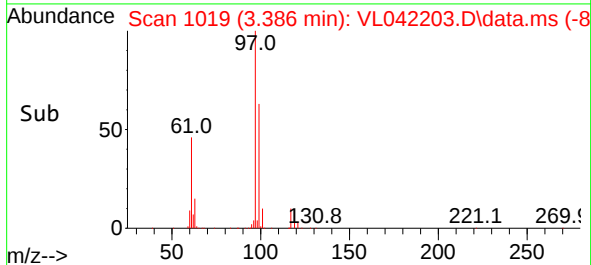
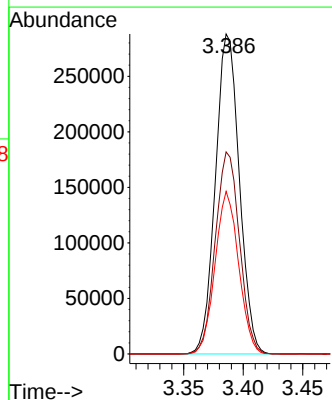
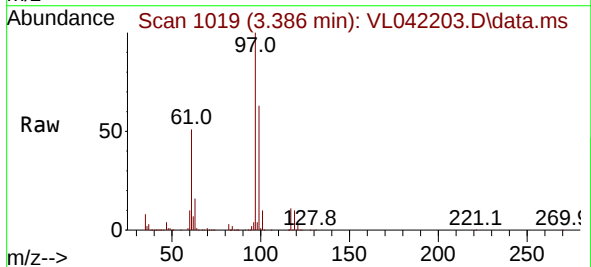
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

Tgt Ion: 61 Resp: 249599
 Ion Ratio Lower Upper
 61 100
 96 61.3 51.8 77.8
 98 38.0 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 9.753 ppbv
 RT: 3.386 min Scan# 1019
 Delta R.T. 0.022 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

Tgt Ion: 97 Resp: 402506
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.5 77.3
 61 50.0 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1194

Delta R.T. 0.029 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

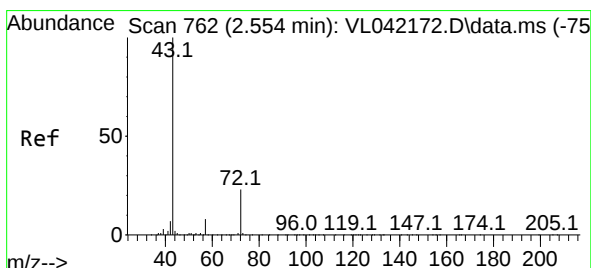
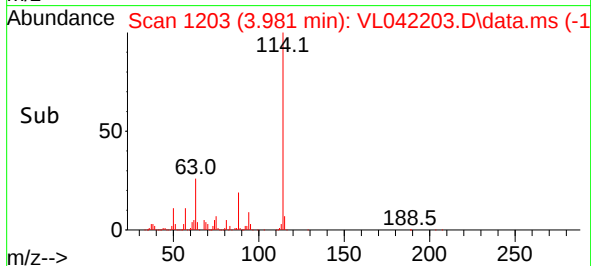
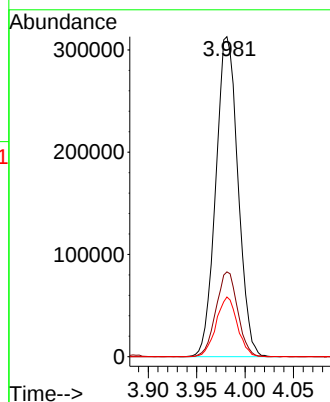
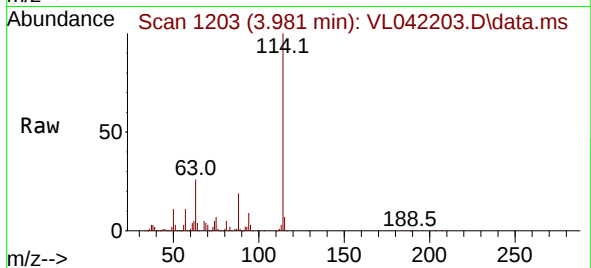
Tgt Ion:114 Resp: 498986

Ion Ratio Lower Upper

114 100

63 26.0 20.7 31.1

88 17.9 15.0 22.4



#34

2-Butanone

Concen: 9.504 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.016 min

Lab File: VL042203.D

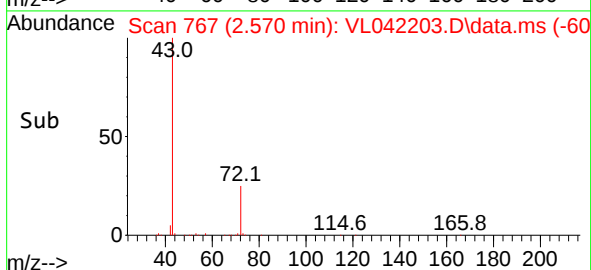
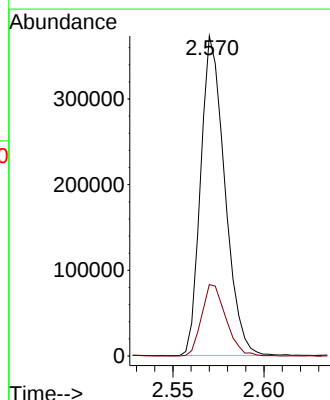
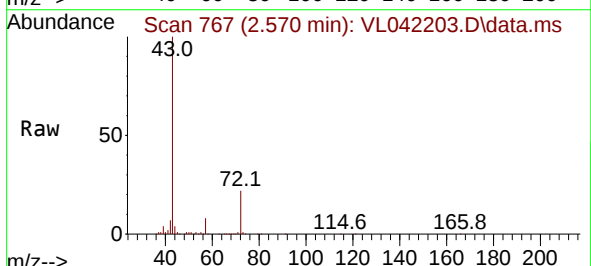
Acq: 31 Mar 2025 10:17

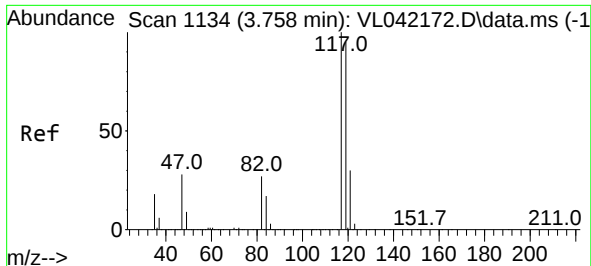
Tgt Ion: 43 Resp: 343896

Ion Ratio Lower Upper

43 100

72 22.6 18.2 27.2

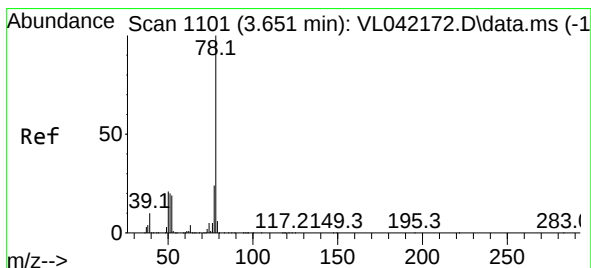
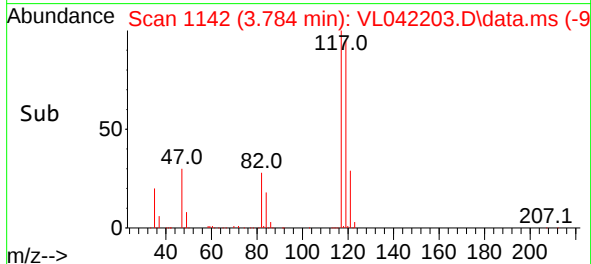
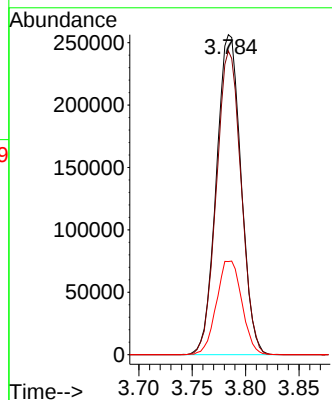
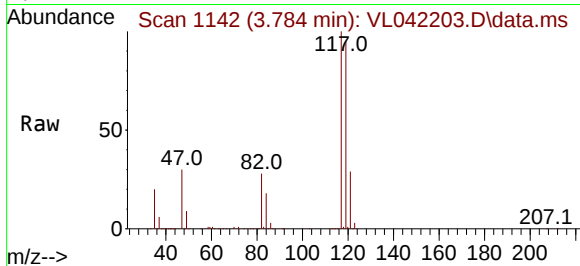




#35
Carbon Tetrachloride
Concen: 10.578 ppbv
RT: 3.784 min Scan# 1134
Delta R.T. 0.026 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

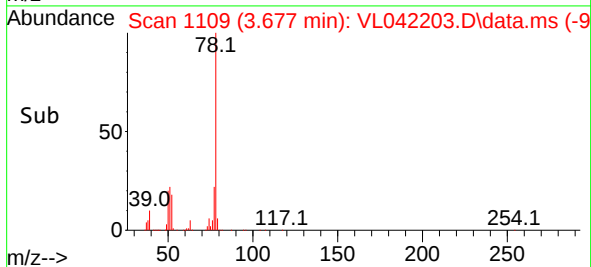
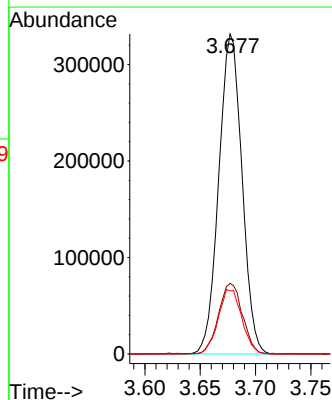
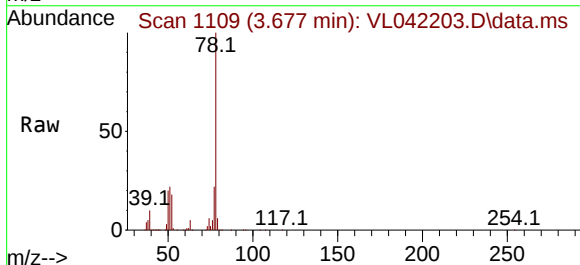
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

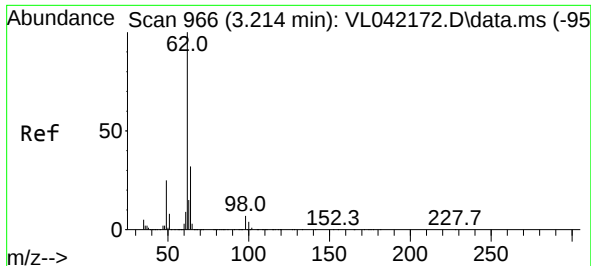
Tgt Ion:117 Resp: 412312
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.2
121 29.1 24.2 36.4



#36
Benzene
Concen: 9.754 ppbv
RT: 3.677 min Scan# 1109
Delta R.T. 0.026 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 78 Resp: 482499
Ion Ratio Lower Upper
78 100
77 22.0 19.1 28.7
50 19.7 16.6 24.8





#37

1,2-Dichloroethane

Concen: 10.964 ppbv

RT: 3.237 min Scan# 91

Delta R.T. 0.022 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

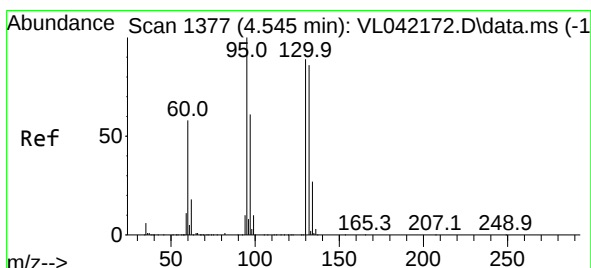
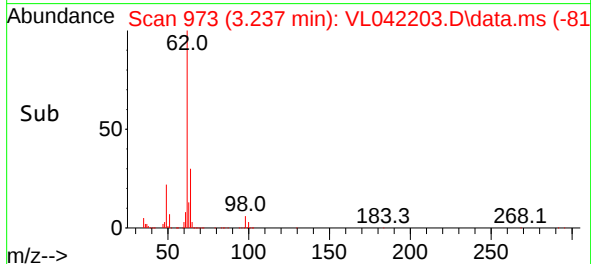
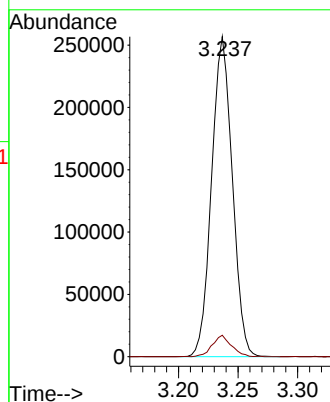
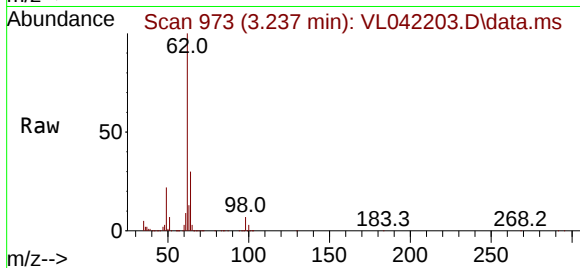
VL0331ABS01

Tgt Ion: 62 Resp: 310502

Ion Ratio Lower Upper

62 100

98 6.3 5.4 8.2



#38

Trichloroethene

Concen: 9.749 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. 0.032 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Tgt Ion:130 Resp: 201215

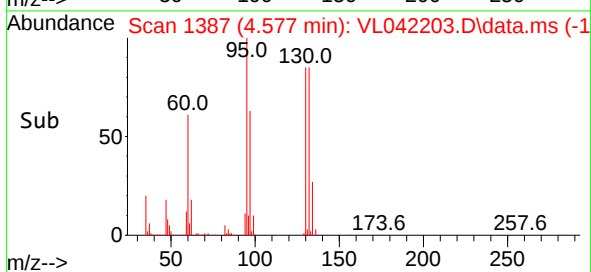
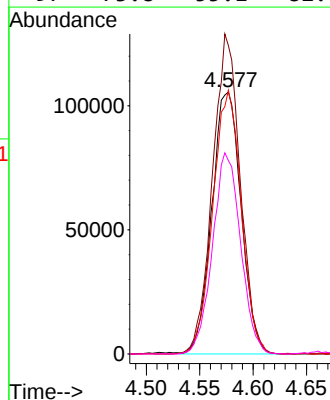
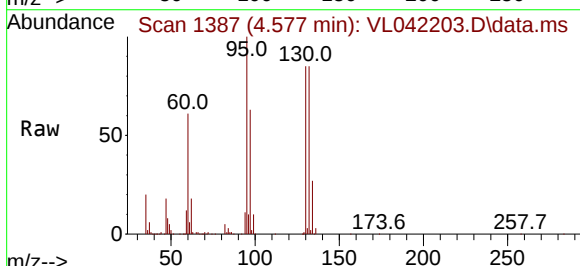
Ion Ratio Lower Upper

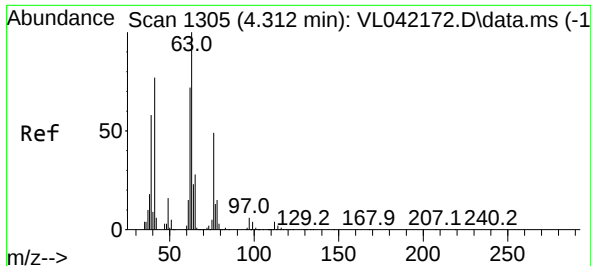
130 100

95 117.8 89.8 134.8

132 100.6 77.4 116.2

97 73.8 55.1 82.7





#39

1,2-Dichloropropane

Concen: 9.665 ppbv

RT: 4.340 min Scan# 1

Delta R.T. 0.029 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

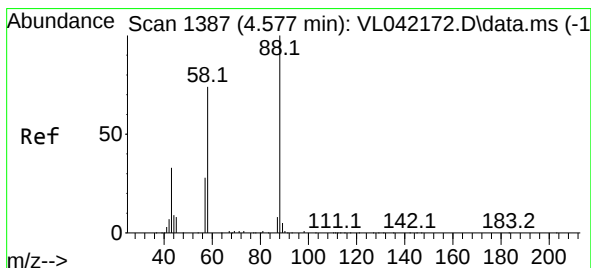
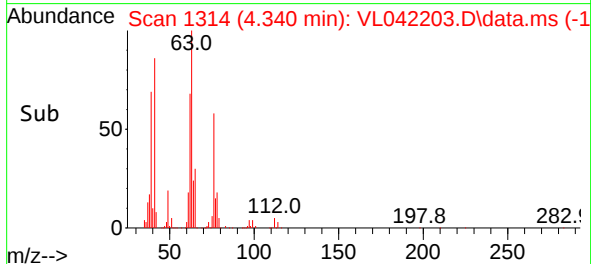
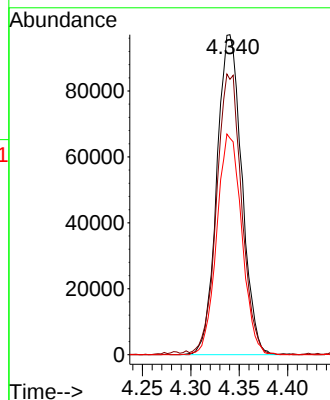
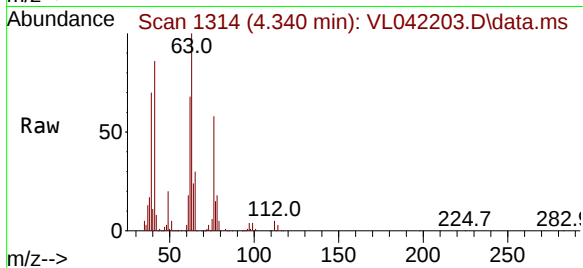
Tgt Ion: 63 Resp: 174119

Ion Ratio Lower Upper

63 100

41 85.8 61.7 92.5

62 67.7 57.6 86.4



#40

1,4-Dioxane

Concen: 8.872 ppbv

RT: 4.616 min Scan# 1399

Delta R.T. 0.039 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Tgt Ion: 88 Resp: 84833

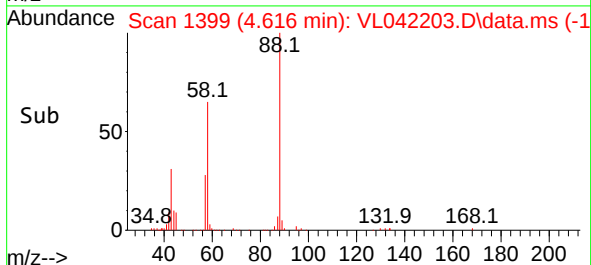
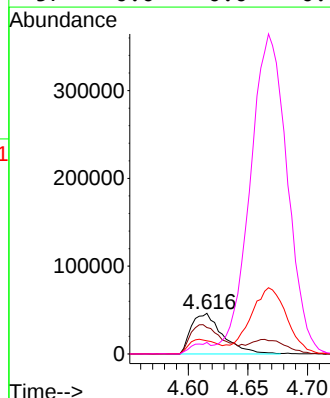
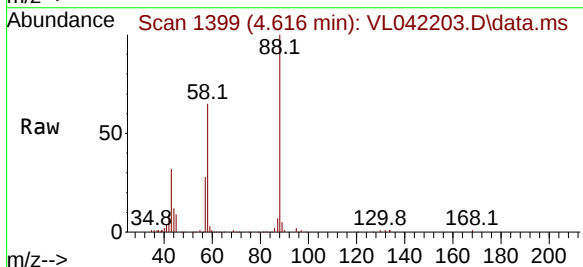
Ion Ratio Lower Upper

88 100

58 71.2 62.7 94.1

43 34.3 23.0 34.4

57 0.0 0.0 0.0

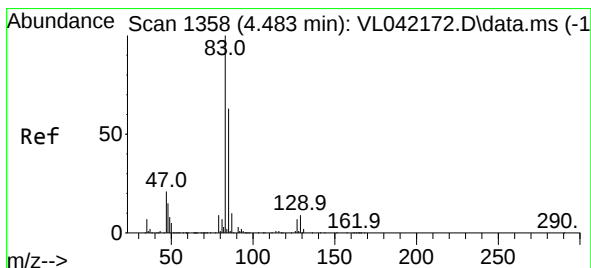
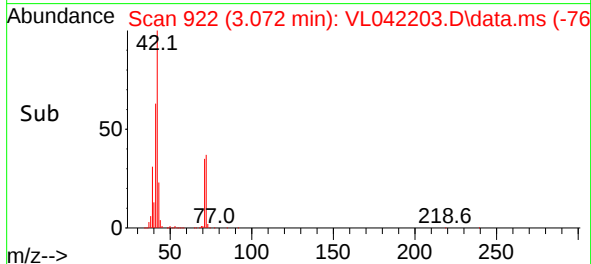
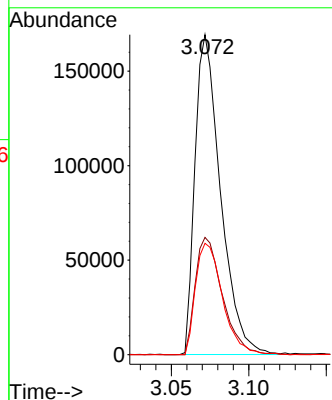
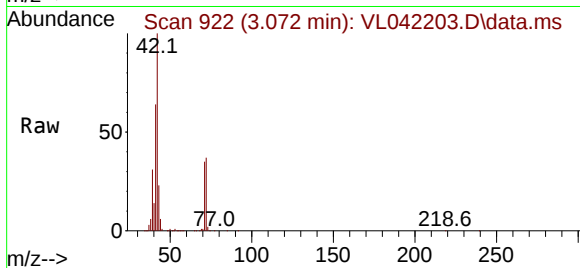




#41
Tetrahydrofuran
Concen: 9.318 ppbv
RT: 3.072 min Scan# 915
Delta R.T. 0.022 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

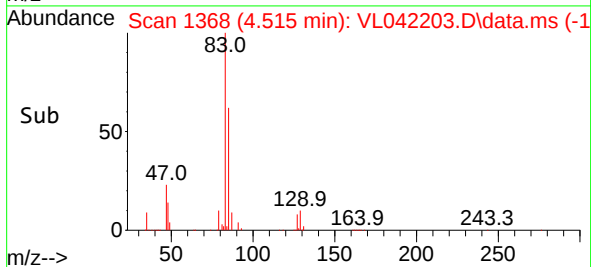
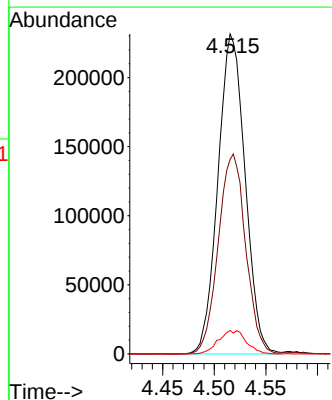
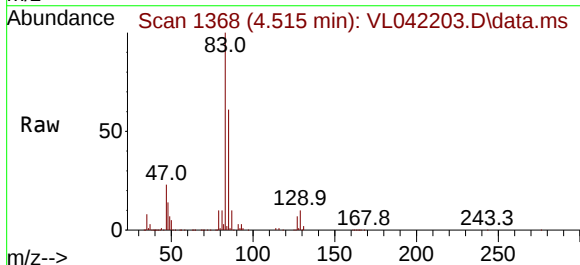
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

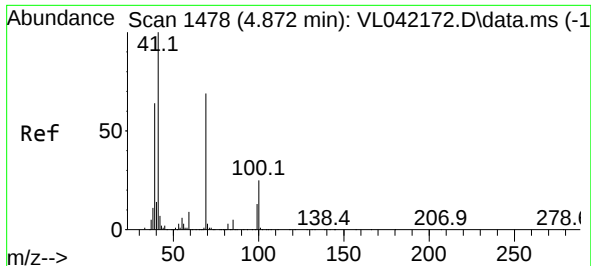
Tgt Ion: 42 Resp: 194140
Ion Ratio Lower Upper
42 100
72 38.9 31.4 47.0
71 36.9 30.2 45.4



#42
Bromodichloromethane
Concen: 10.831 ppbv
RT: 4.515 min Scan# 1368
Delta R.T. 0.032 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 83 Resp: 422881
Ion Ratio Lower Upper
83 100
85 60.8 50.5 75.7
127 7.4 5.9 8.9

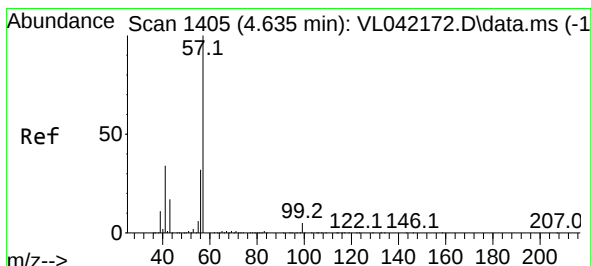
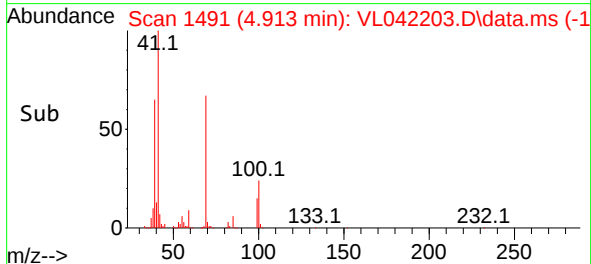
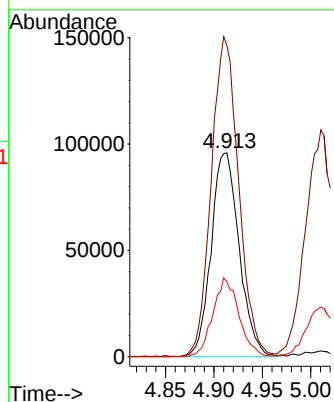
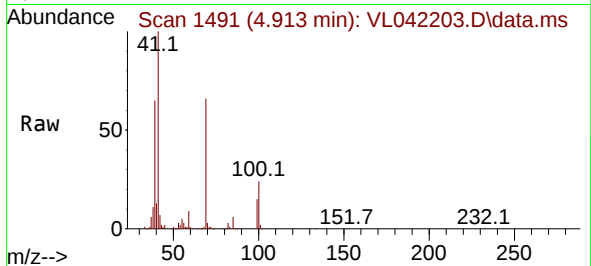




#43
Methyl Methacrylate
Concen: 9.163 ppbv
RT: 4.913 min Scan# 1415
Delta R.T. 0.042 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

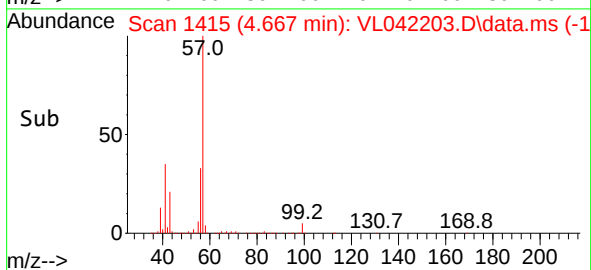
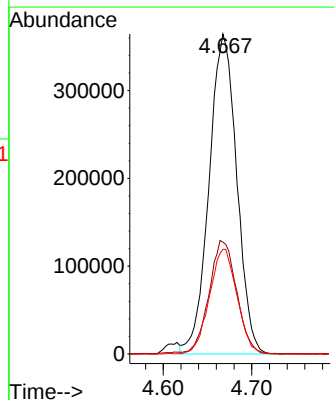
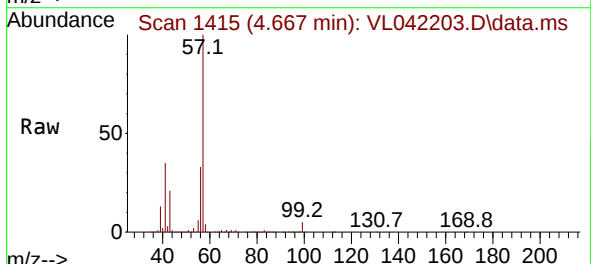
Instrument :
MSVOA_1
ClientSampleId :
VL0331ABS01

Tgt Ion: 69 Resp: 191894
Ion Ratio Lower Upper
69 100
41 154.2 123.8 185.6
100 36.0 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 9.483 ppbv
RT: 4.667 min Scan# 1415
Delta R.T. 0.032 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 57 Resp: 792762
Ion Ratio Lower Upper
57 100
41 35.5 26.8 40.2
56 32.6 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 9.071 ppbv

RT: 6.447 min Scan# 1952

Delta R.T. 0.042 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

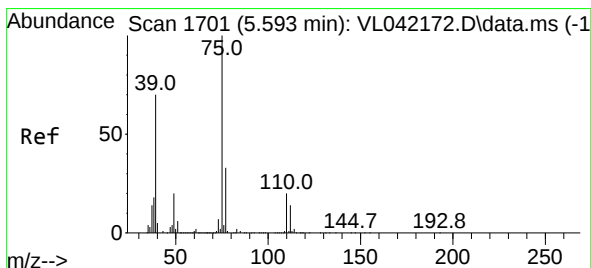
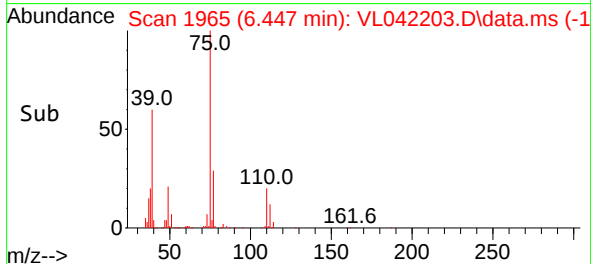
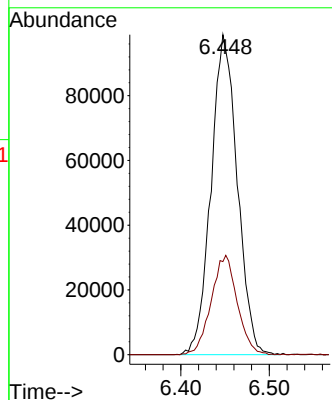
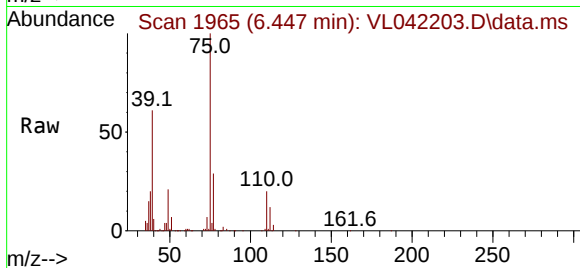
VL0331ABS01

Tgt Ion: 75 Resp: 203792

Ion Ratio Lower Upper

75 100

77 29.1 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 9.371 ppbv

RT: 5.632 min Scan# 1713

Delta R.T. 0.039 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

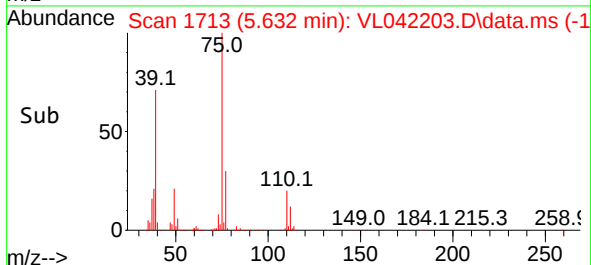
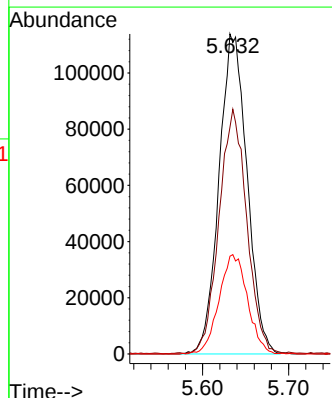
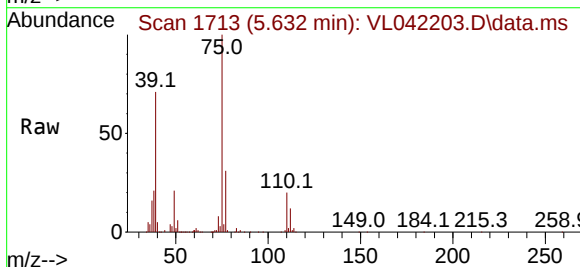
Tgt Ion: 75 Resp: 258084

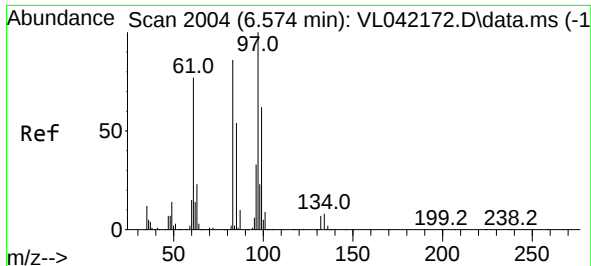
Ion Ratio Lower Upper

75 100

39 70.4 55.8 83.6

77 30.5 26.0 39.0

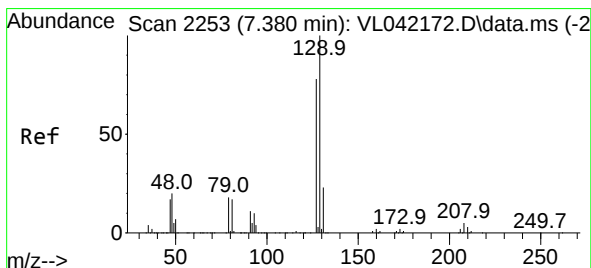
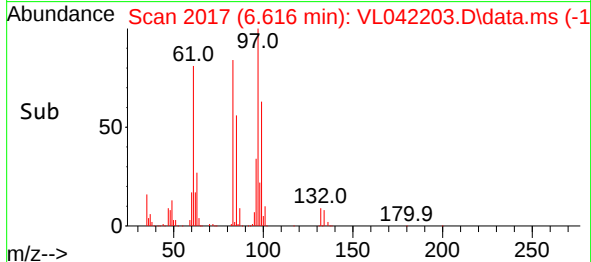
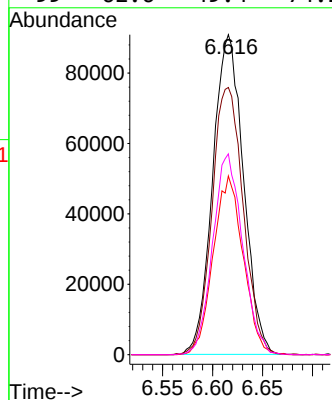
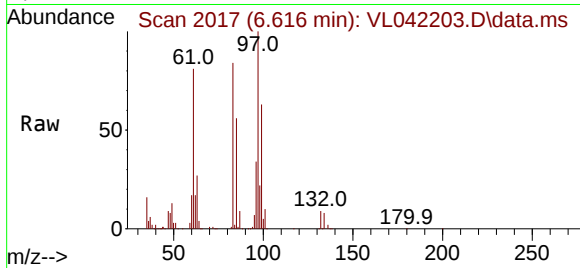




#47
1,1,2-Trichloroethane
Concen: 10.197 ppbv
RT: 6.616 min Scan# 20
Delta R.T. 0.042 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

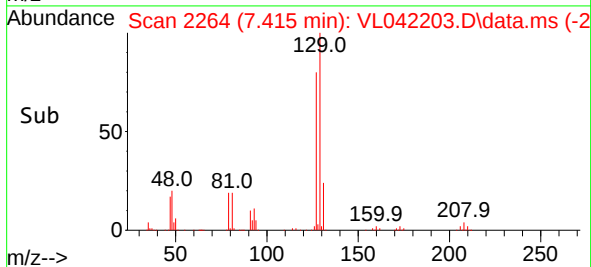
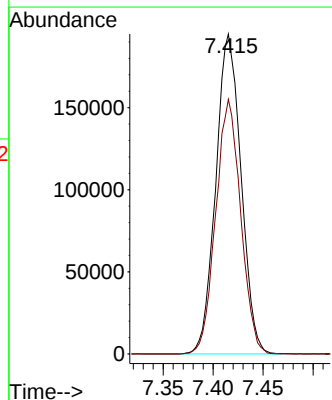
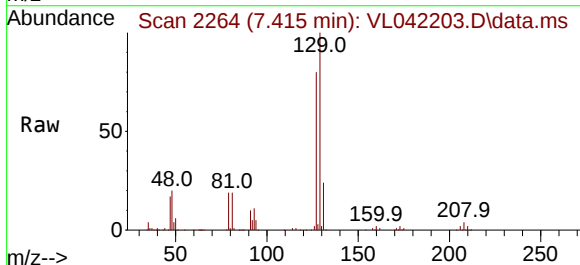
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

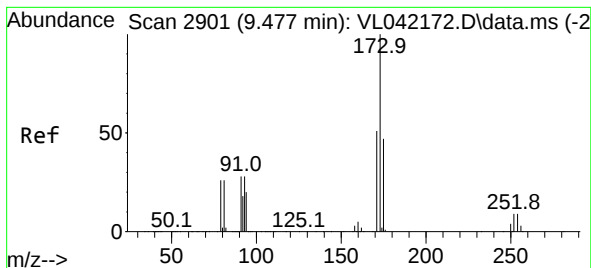
Tgt Ion: 97	Resp: 194204
Ion Ratio	Lower Upper
97 100	
83 83.4	69.2 103.8
85 55.8	43.1 64.7
99 62.6	49.4 74.2



#48
Dibromochloromethane
Concen: 10.604 ppbv
RT: 7.415 min Scan# 2264
Delta R.T. 0.035 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 129	Resp: 342254
Ion Ratio	Lower Upper
129 100	
127 78.7	39.1 117.2





#49

Bromoform

Concen: 10.296 ppbv

RT: 9.506 min Scan# 2901

Delta R.T. 0.029 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

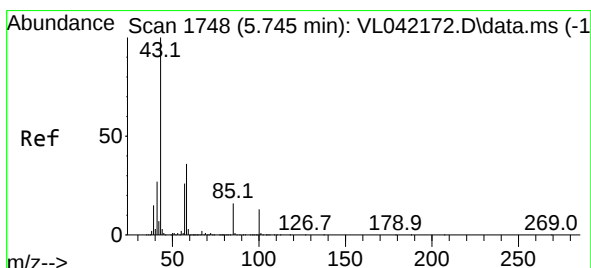
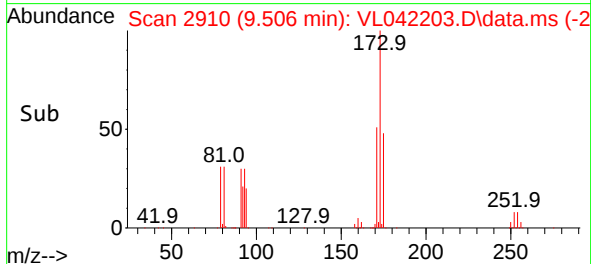
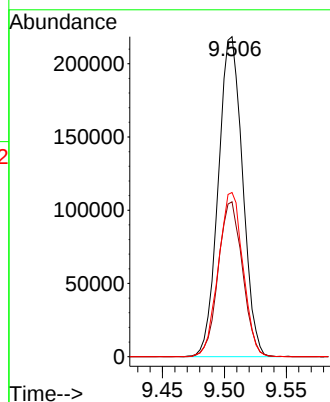
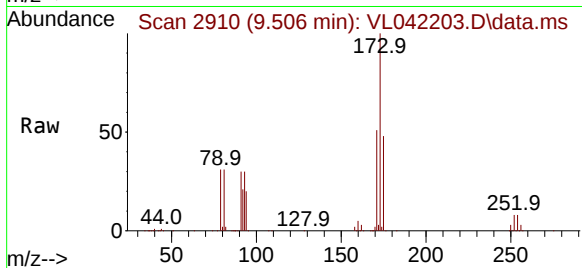
Tgt Ion:173 Resp: 298349

Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

171 52.0 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 8.603 ppbv

RT: 5.787 min Scan# 1761

Delta R.T. 0.042 min

Lab File: VL042203.D

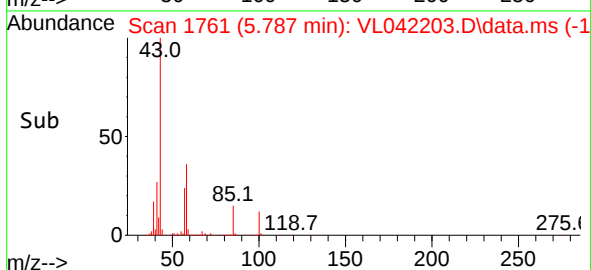
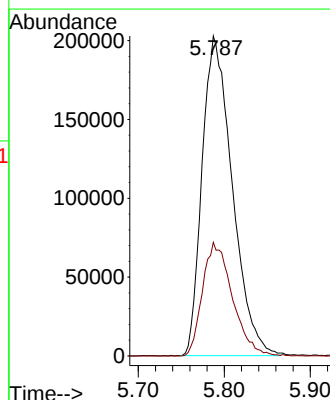
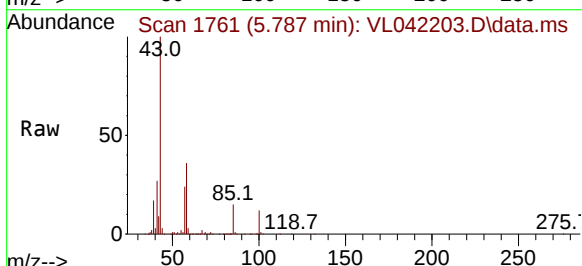
Acq: 31 Mar 2025 10:17

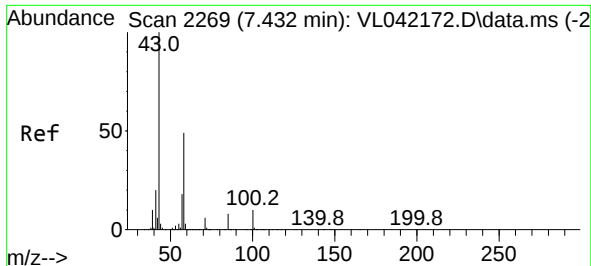
Tgt Ion: 43 Resp: 493320

Ion Ratio Lower Upper

43 100

58 35.2 29.0 43.6

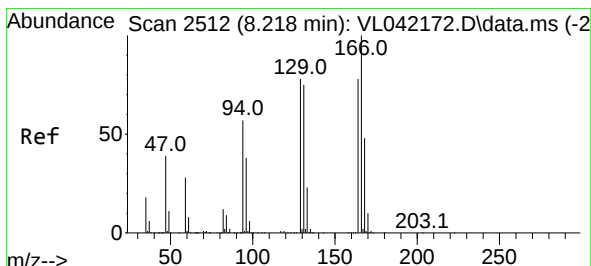
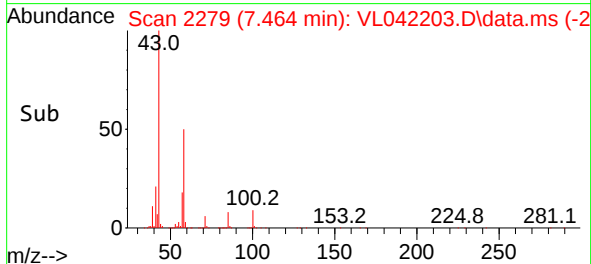
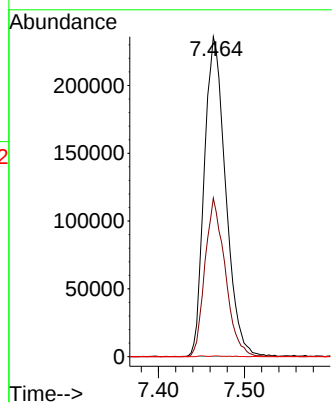
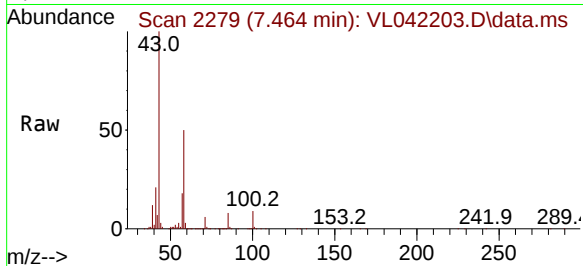




#51
2-Hexanone
Concen: 8.613 ppbv
RT: 7.464 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

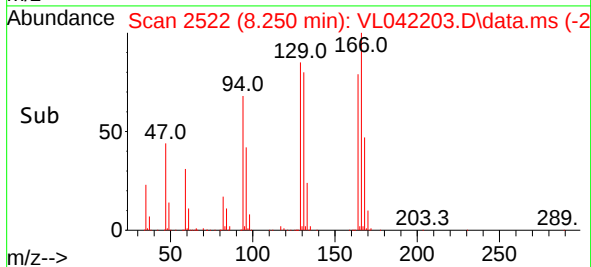
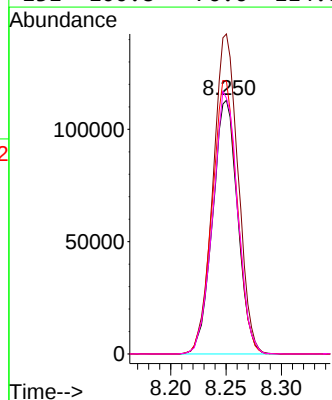
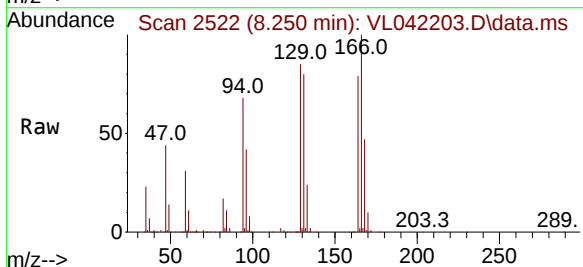
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

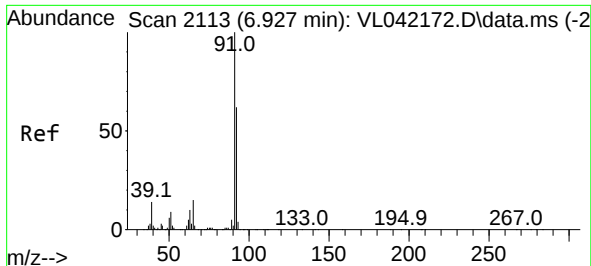
Tgt Ion: 43 Resp: 405558
Ion Ratio Lower Upper
43 100
58 47.4 39.7 59.5
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 9.012 ppbv
RT: 8.250 min Scan# 2522
Delta R.T. 0.032 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 164 Resp: 176804
Ion Ratio Lower Upper
164 100
166 126.1 102.5 153.7
129 107.5 79.8 119.8
131 100.8 76.6 114.8

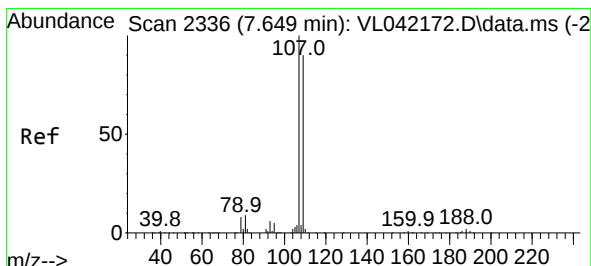
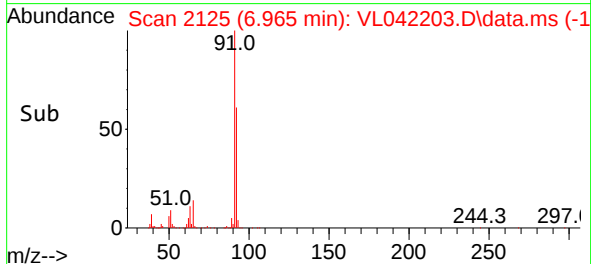
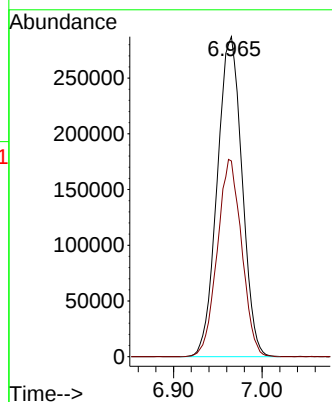
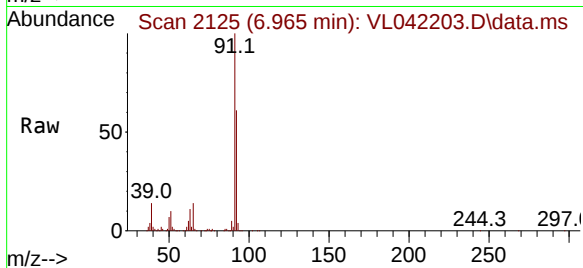




#53
Toluene
Concen: 9.555 ppbv
RT: 6.965 min Scan# 2113
Delta R.T. 0.039 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

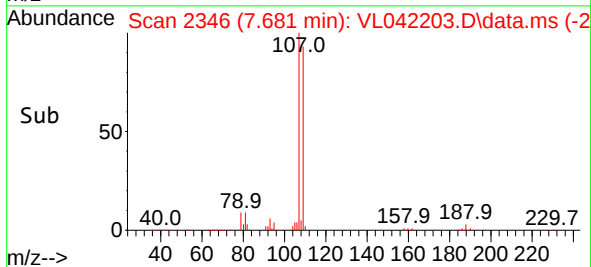
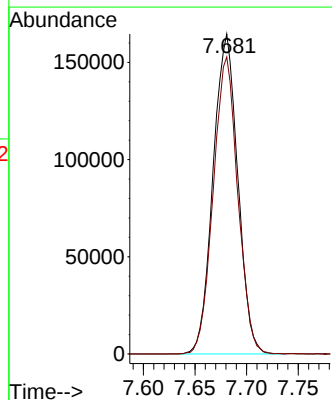
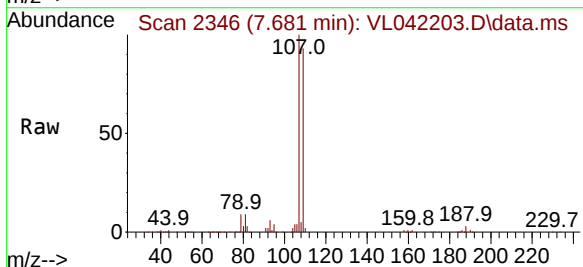
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

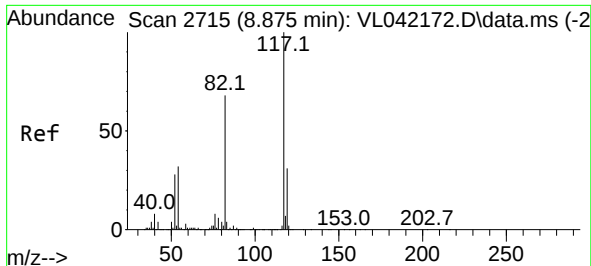
Tgt Ion: 91 Resp: 560307
Ion Ratio Lower Upper
91 100
92 60.5 48.4 72.6



#54
1,2-Dibromoethane
Concen: 10.298 ppbv
RT: 7.681 min Scan# 2346
Delta R.T. 0.032 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 107 Resp: 273381
Ion Ratio Lower Upper
107 100
109 92.7 72.2 108.4

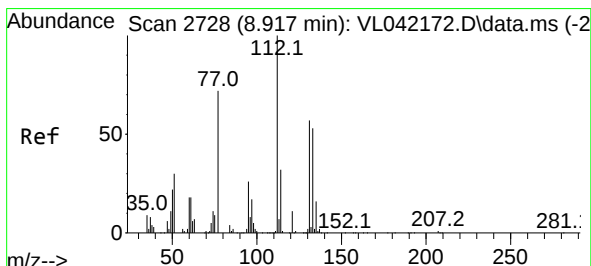
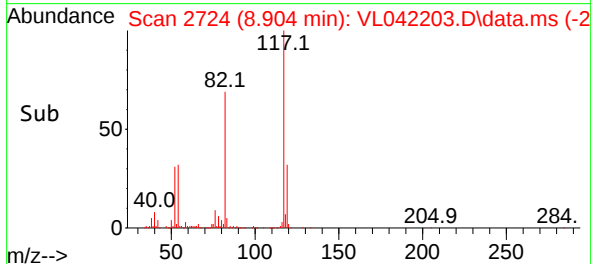
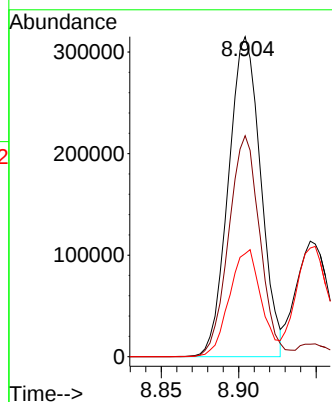
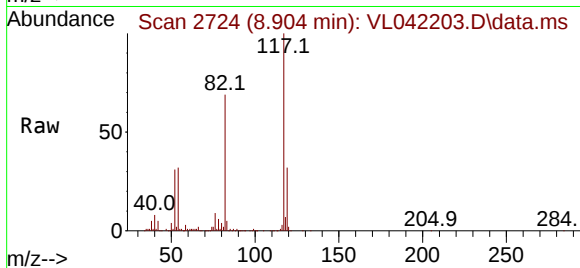




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

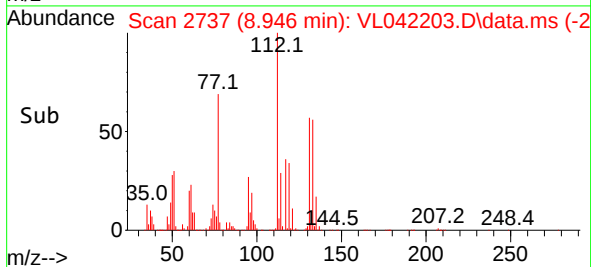
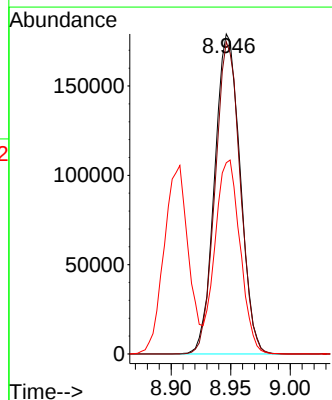
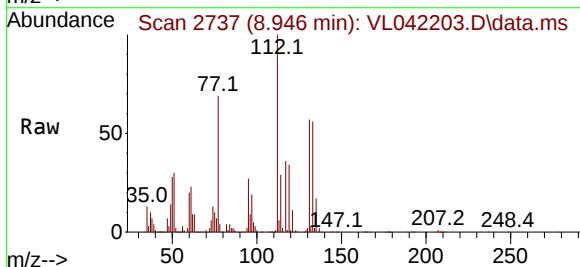
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

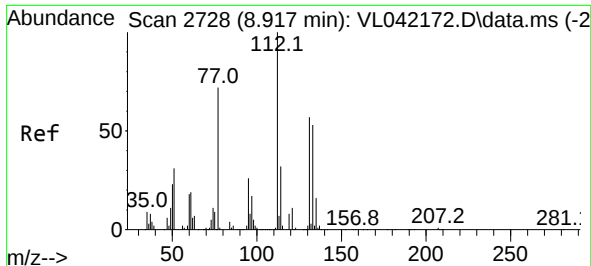
Tgt Ion:117 Resp: 456400
Ion Ratio Lower Upper
117 100
82 70.9 55.8 83.6
119 34.4 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 10.607 ppbv
RT: 8.946 min Scan# 2737
Delta R.T. 0.029 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion:131 Resp: 266468
Ion Ratio Lower Upper
131 100
133 95.6 76.6 114.8
119 57.5 49.8 74.6

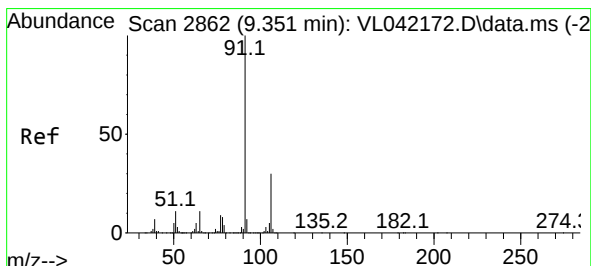
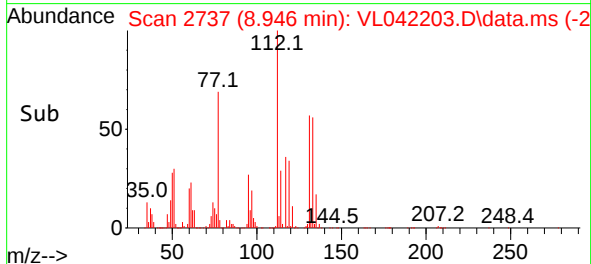
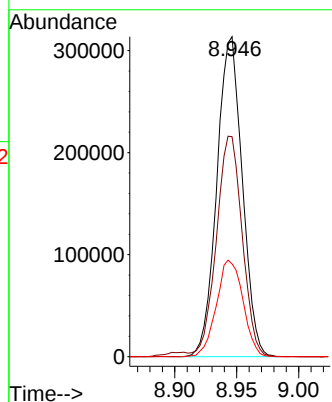
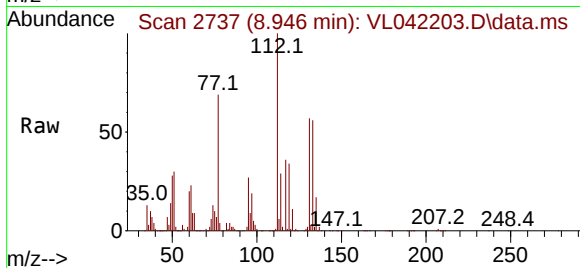




#57
Chlorobenzene
Concen: 10.368 ppbv
RT: 8.946 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

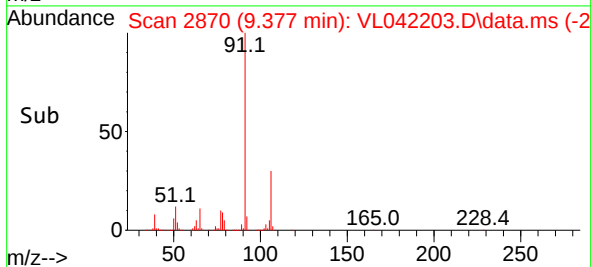
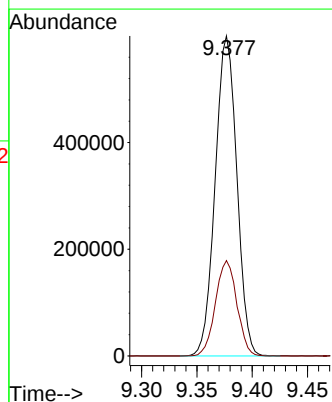
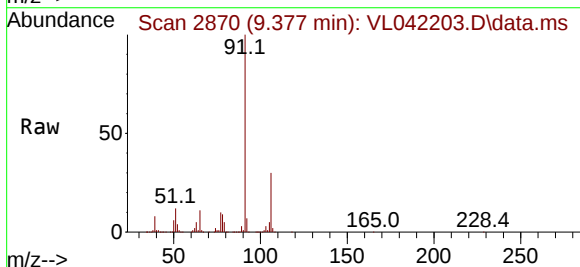
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

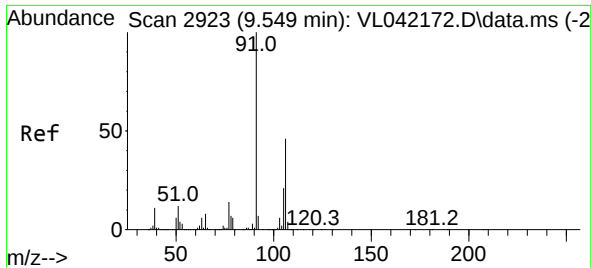
Tgt Ion:112 Resp: 448854
Ion Ratio Lower Upper
112 100
77 68.7 58.2 87.2
114 29.0 29.1 35.5#



#58
Ethyl Benzene
Concen: 10.059 ppbv
RT: 9.377 min Scan# 2870
Delta R.T. 0.026 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 91 Resp: 815513
Ion Ratio Lower Upper
91 100
106 29.8 24.2 36.2

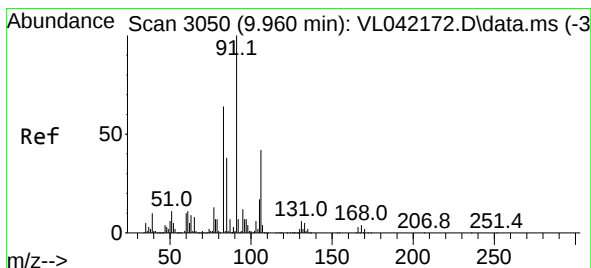
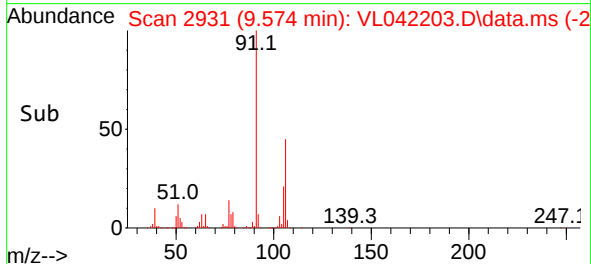
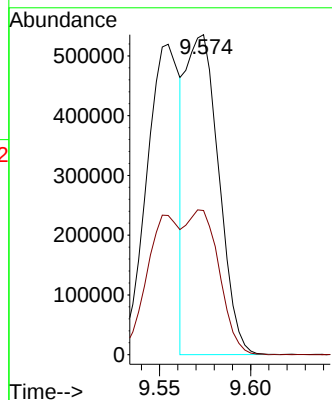
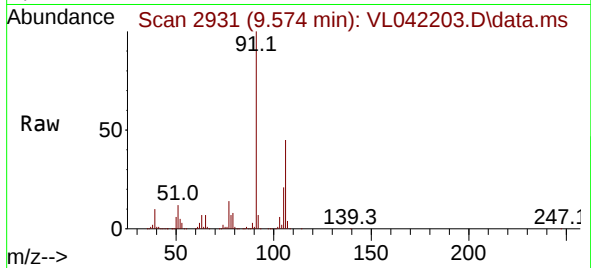




#59
m/p-Xylene
Concen: 10.395 ppbv
RT: 9.574 min Scan# 2923
Delta R.T. 0.026 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

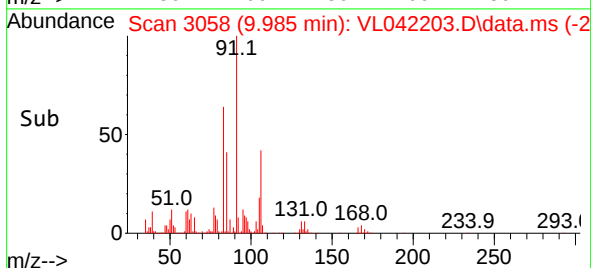
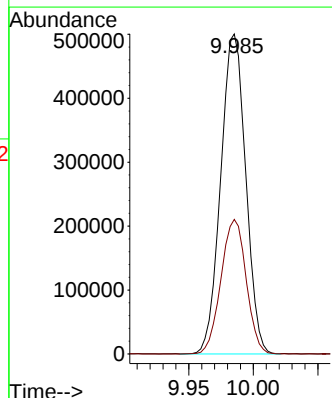
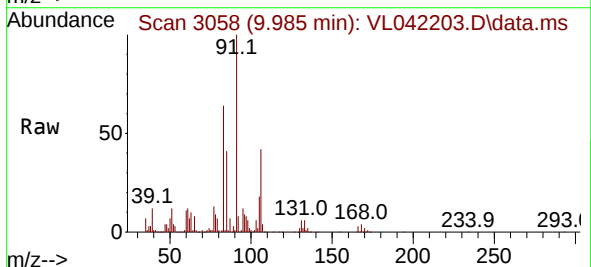
Instrument :
MSVOA_L
ClientSampleId :
VL0331ABS01

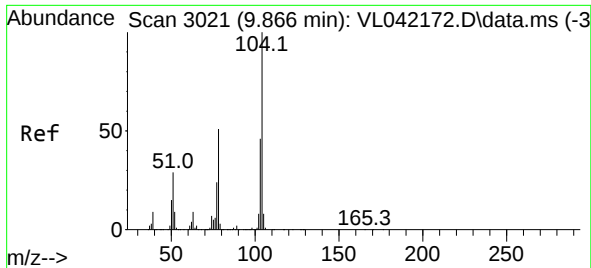
Tgt Ion: 91 Resp: 672913
Ion Ratio Lower Upper
91 100
106 90.0 36.4 54.6#



#60
o-Xylene
Concen: 10.379 ppbv
RT: 9.985 min Scan# 3058
Delta R.T. 0.026 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion: 91 Resp: 673552
Ion Ratio Lower Upper
91 100
106 42.4 20.8 62.5





#61

Styrene

Concen: 10.060 ppbv

RT: 9.891 min Scan# 3021

Delta R.T. 0.026 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

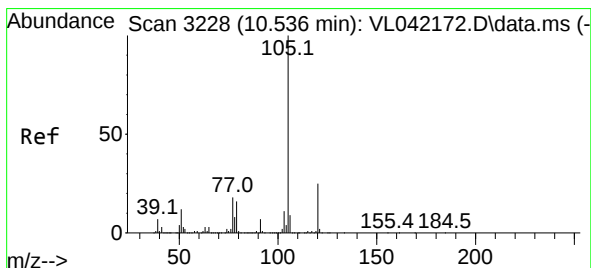
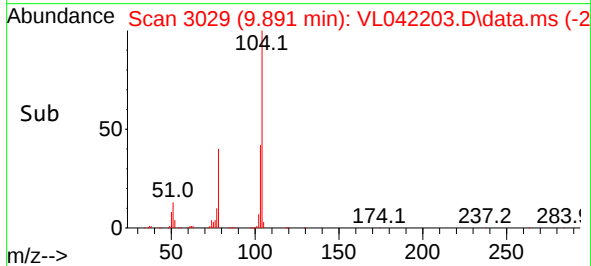
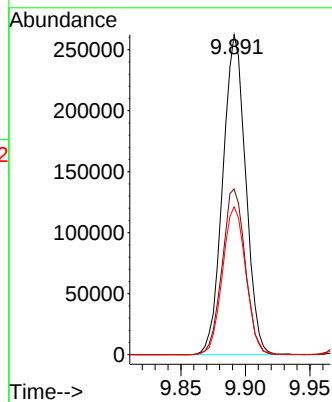
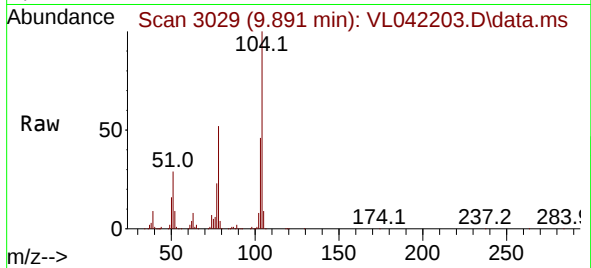
Tgt Ion:104 Resp: 322981

Ion Ratio Lower Upper

104 100

78 52.3 41.8 62.6

103 47.2 37.0 55.4



#62

Isopropylbenzene

Concen: 10.524 ppbv

RT: 10.558 min Scan# 3235

Delta R.T. 0.022 min

Lab File: VL042203.D

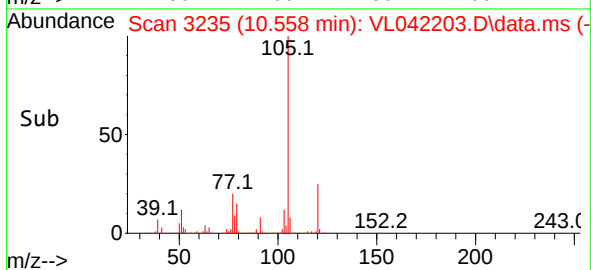
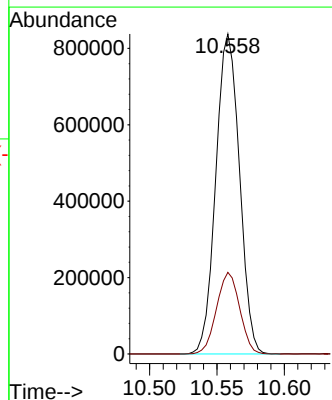
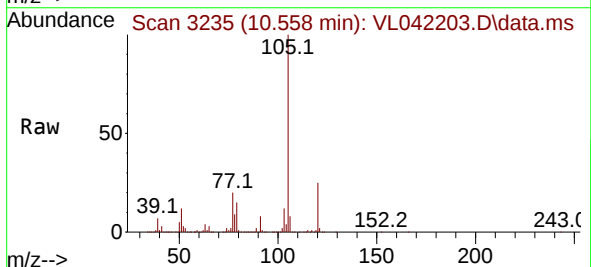
Acq: 31 Mar 2025 10:17

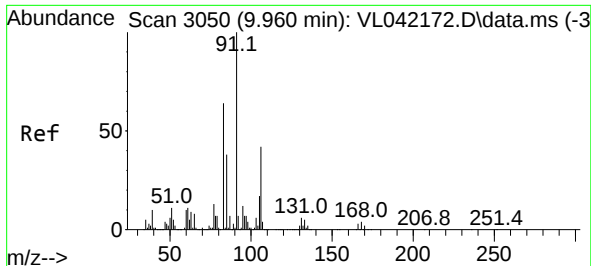
Tgt Ion:105 Resp: 1021273

Ion Ratio Lower Upper

105 100

120 25.0 19.9 29.9

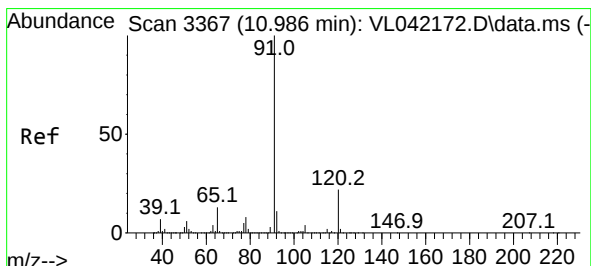
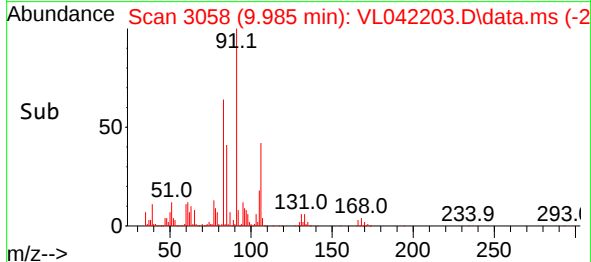
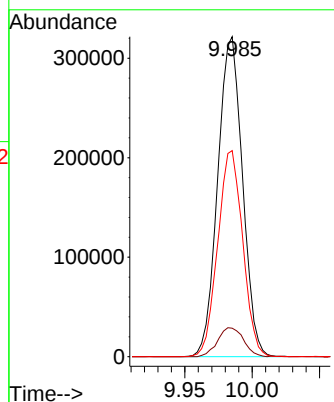
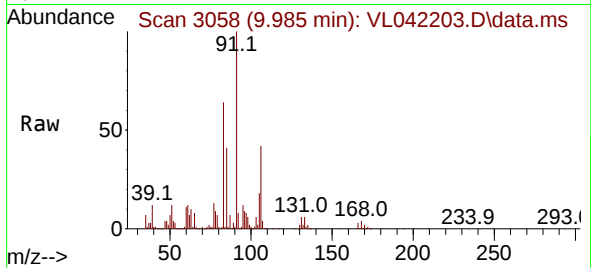




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.440 ppbv
 RT: 9.985 min Scan# 3050
 Delta R.T. 0.026 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

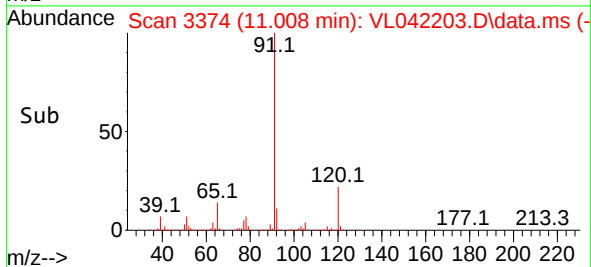
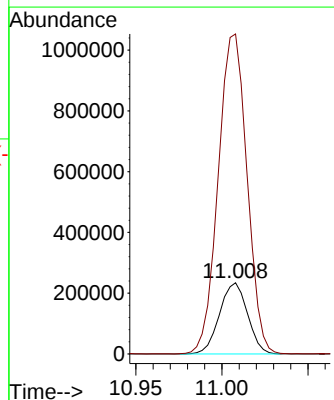
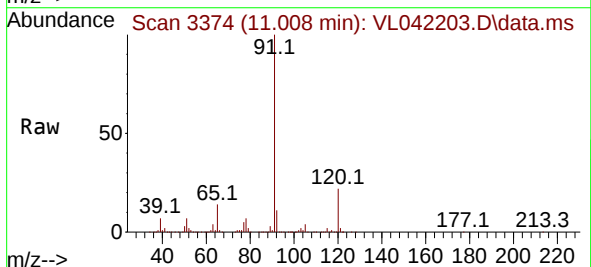
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

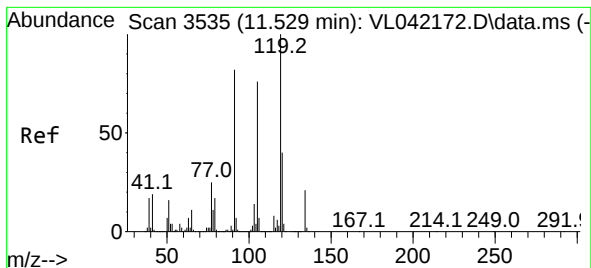
Tgt Ion: 83 Resp: 411620
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.4
 85 64.9 32.5 97.5



#64
 n-propylbenzene
 Concen: 10.596 ppbv
 RT: 11.008 min Scan# 3374
 Delta R.T. 0.022 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

Tgt Ion: 120 Resp: 264706
 Ion Ratio Lower Upper
 120 100
 91 463.0 376.9 565.3





#65

tert-Butylbenzene

Concen: 10.173 ppbv

RT: 11.548 min Scan# 3541

Delta R.T. 0.019 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

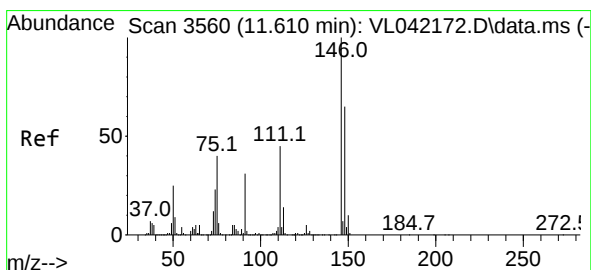
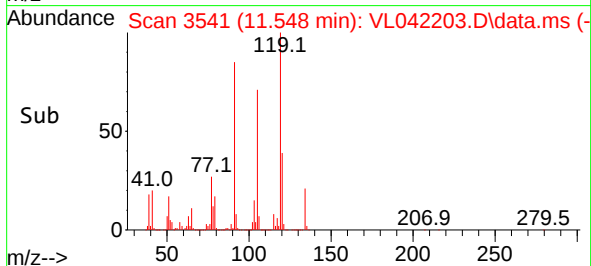
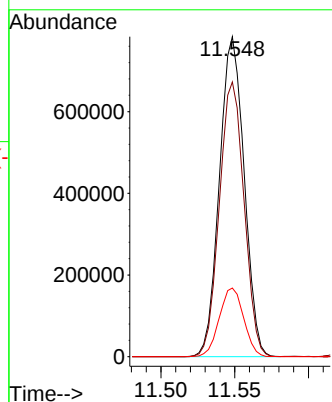
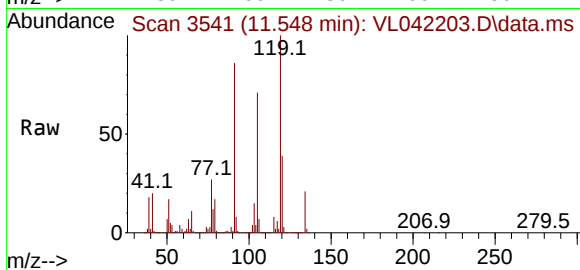
Tgt Ion:119 Resp: 913025

Ion Ratio Lower Upper

119 100

91 85.8 66.0 99.0

134 21.2 16.7 25.1



#66

Benzyl Chloride

Concen: 8.232 ppbv

RT: 11.633 min Scan# 3567

Delta R.T. 0.022 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

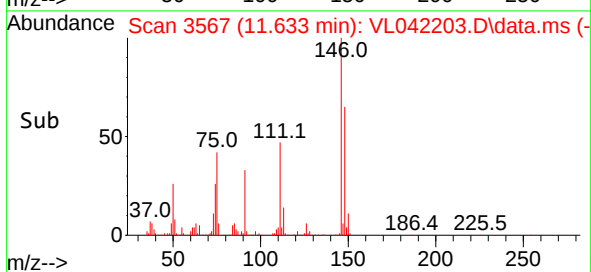
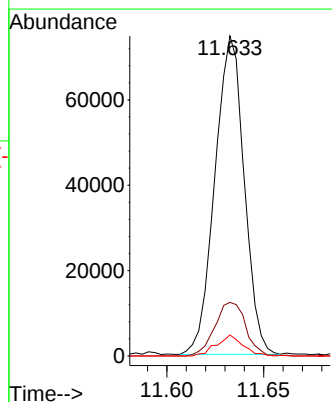
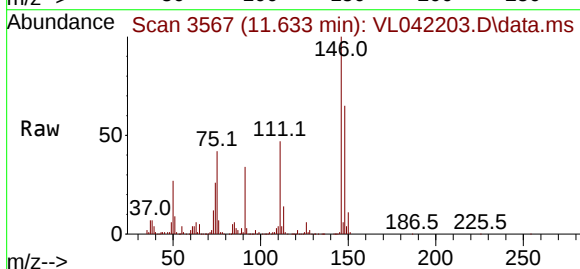
Tgt Ion: 91 Resp: 78394

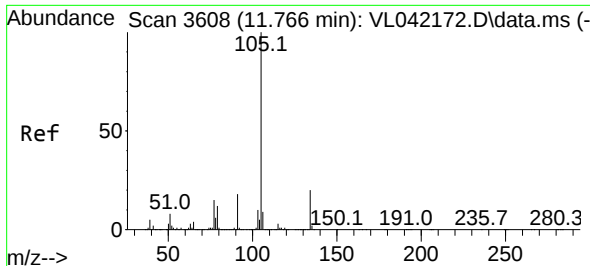
Ion Ratio Lower Upper

91 100

126 17.8 13.8 20.6

128 6.0 4.5 6.7

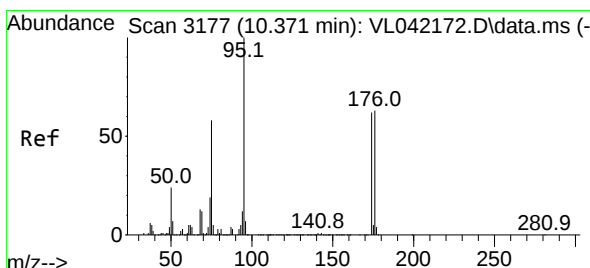
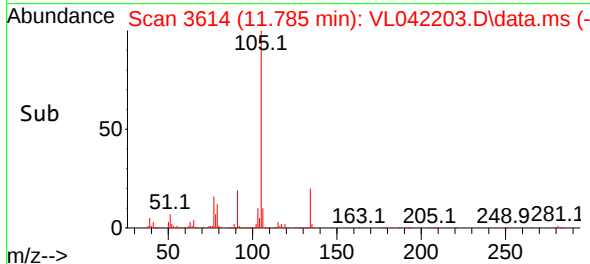
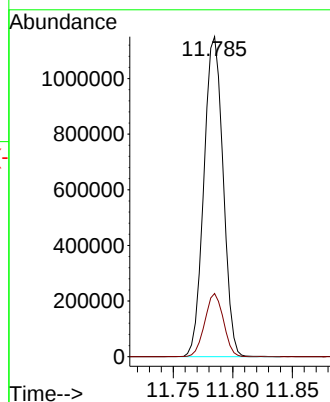
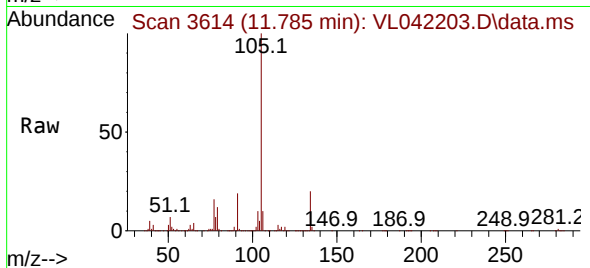




#67
 sec-Butylbenzene
 Concen: 10.360 ppbv
 RT: 11.785 min Scan# 3185
 Delta R.T. 0.019 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

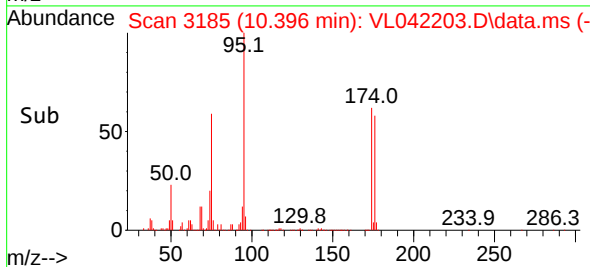
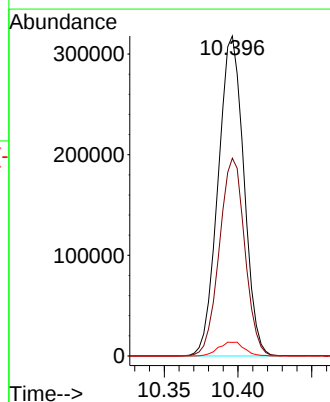
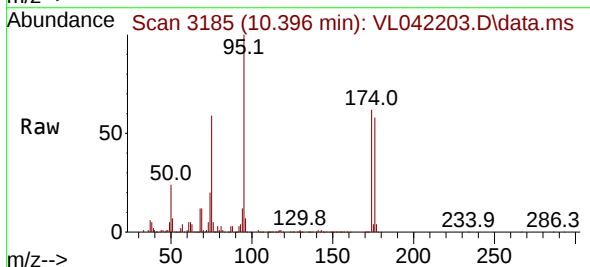
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01

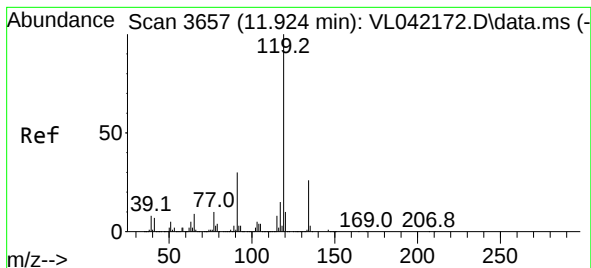
Tgt Ion:105 Resp: 1292454
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.281 ppbv
 RT: 10.396 min Scan# 3185
 Delta R.T. 0.026 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

Tgt Ion: 95 Resp: 385330
 Ion Ratio Lower Upper
 95 100
 174 61.2 50.6 76.0
 175 4.4 3.8 5.6





#69

p-Isopropyltoluene

Concen: 10.362 ppbv

RT: 11.943 min Scan# 3

Delta R.T. 0.019 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

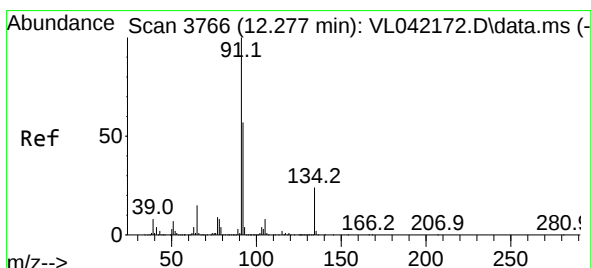
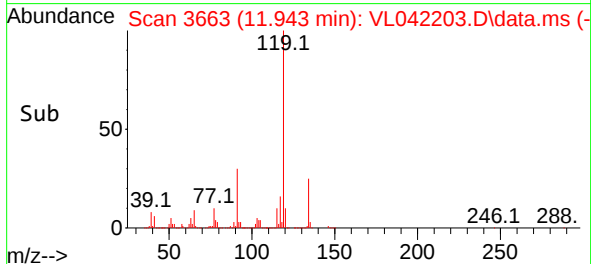
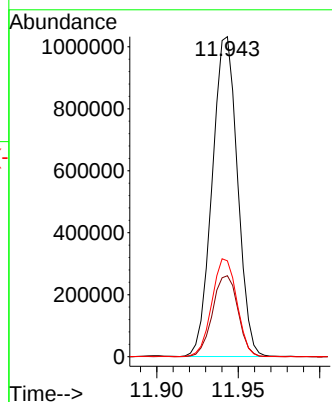
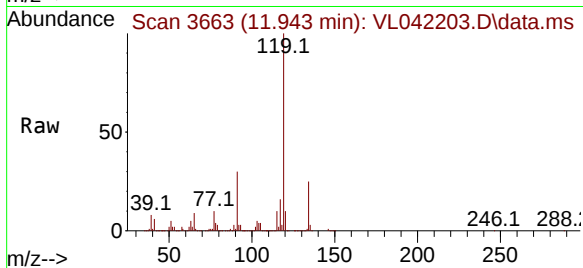
Tgt Ion:119 Resp: 1113087

Ion Ratio Lower Upper

119 100

134 25.6 20.4 30.6

91 30.4 23.7 35.5



#70

n-Butylbenzene

Concen: 10.422 ppbv

RT: 12.296 min Scan# 3772

Delta R.T. 0.019 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

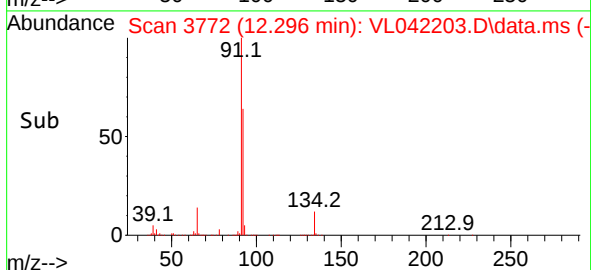
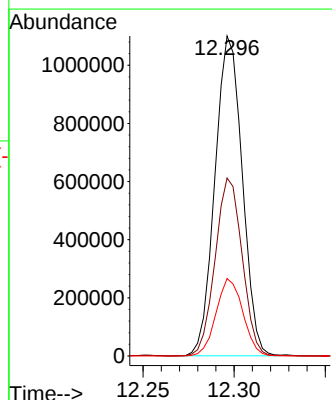
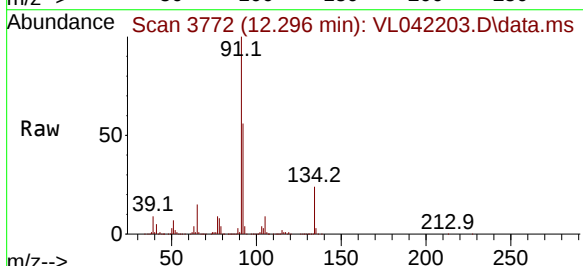
Tgt Ion: 91 Resp: 1144962

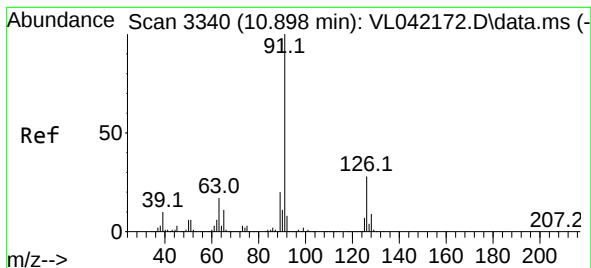
Ion Ratio Lower Upper

91 100

92 55.3 44.9 67.3

134 23.7 19.2 28.8





#71

2-Chlorotoluene

Concen: 10.295 ppbv

RT: 10.921 min Scan# 31

Delta R.T. 0.022 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

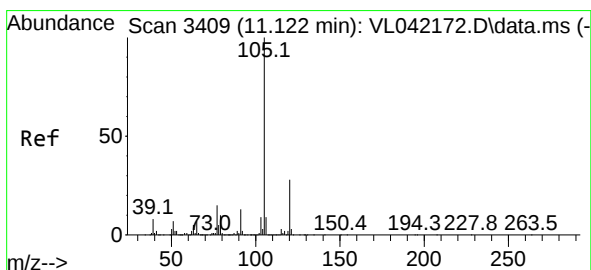
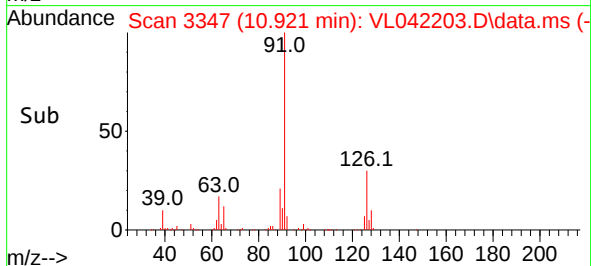
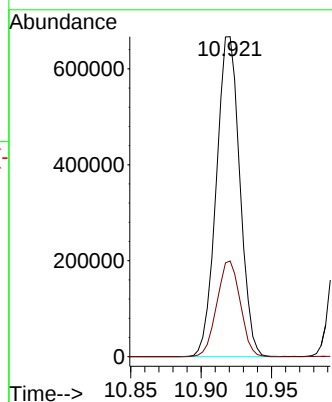
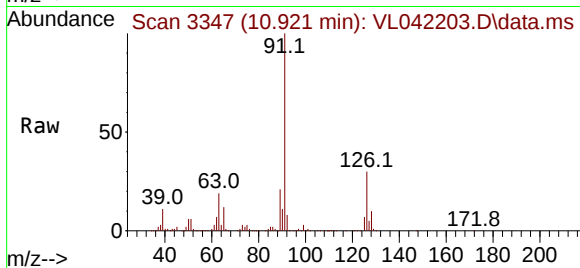
VL0331ABS01

Tgt Ion: 91 Resp: 775424

Ion Ratio Lower Upper

91 100

126 29.7 11.6 46.4



#72

4-Ethyltoluene

Concen: 10.500 ppbv

RT: 11.144 min Scan# 3416

Delta R.T. 0.022 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Tgt Ion: 105 Resp: 848380

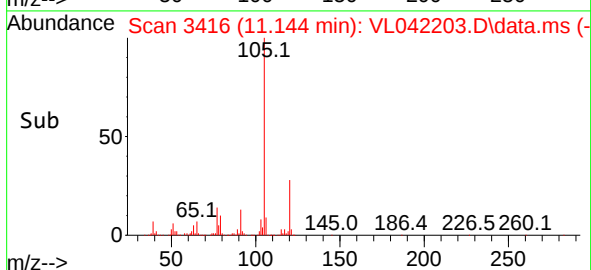
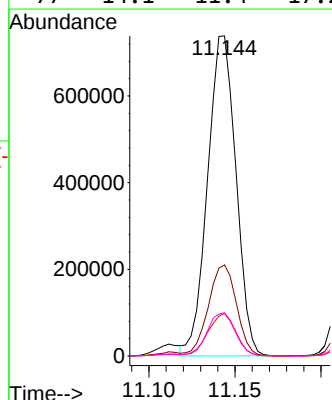
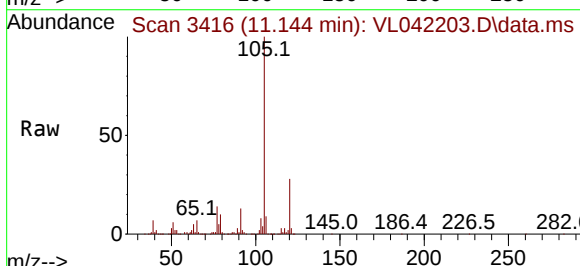
Ion Ratio Lower Upper

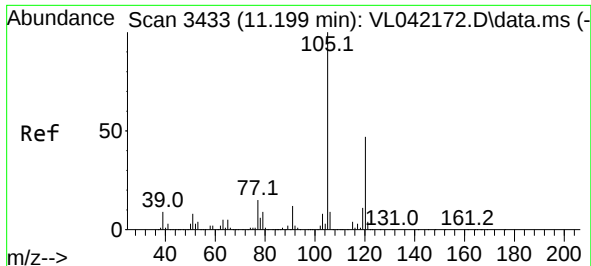
105 100

120 29.2 23.4 35.0

91 13.4 10.3 15.5

77 14.1 11.4 17.2

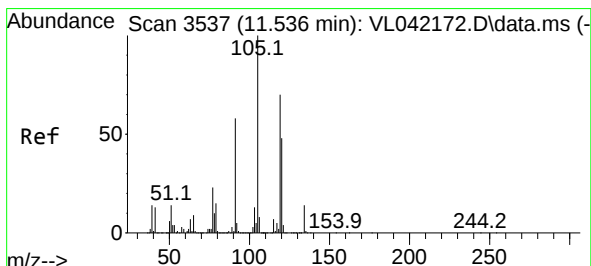
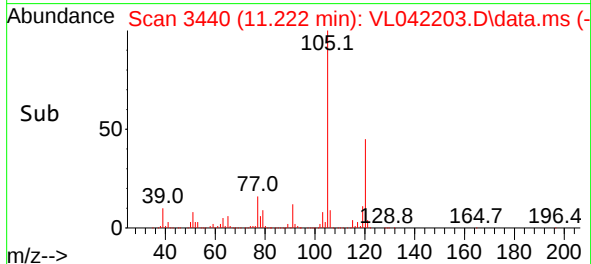
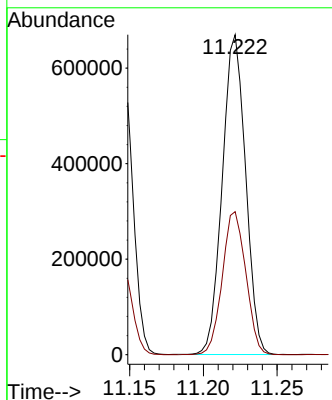
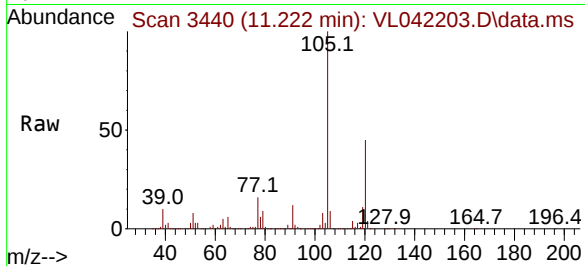




#73
1,3,5-Trimethylbenzene
Concen: 10.441 ppbv
RT: 11.222 min Scan# 3433
Delta R.T. 0.022 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

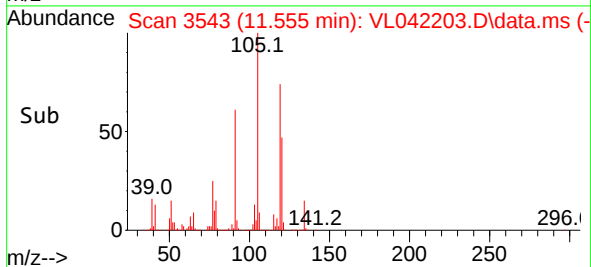
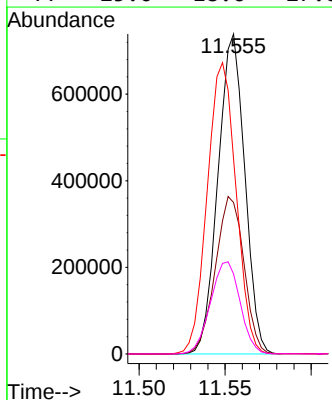
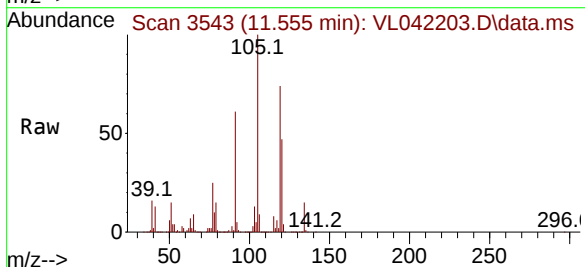
Instrument :
MSVOA_1
ClientSampleId :
VL0331ABS01

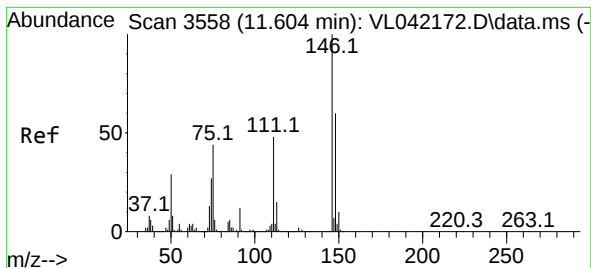
Tgt Ion:105 Resp: 736772
Ion Ratio Lower Upper
105 100
120 44.7 37.4 56.0



#74
1,2,4-Trimethylbenzene
Concen: 9.841 ppbv
RT: 11.555 min Scan# 3543
Delta R.T. 0.019 min
Lab File: VL042203.D
Acq: 31 Mar 2025 10:17

Tgt Ion:105 Resp: 800063
Ion Ratio Lower Upper
105 100
120 47.3 38.6 58.0
91 60.8 46.2 69.2
77 25.0 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 10.548 ppbv

RT: 11.626 min Scan# 3558

Delta R.T. 0.022 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_1

ClientSampleId :

VL0331ABS01

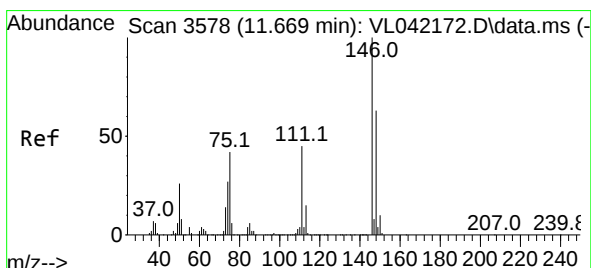
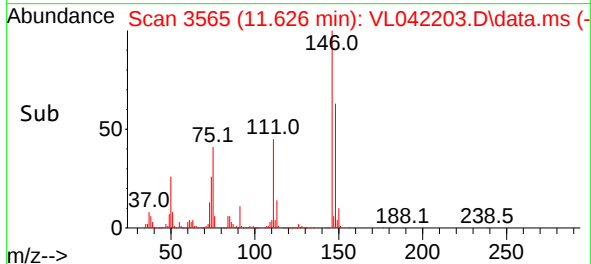
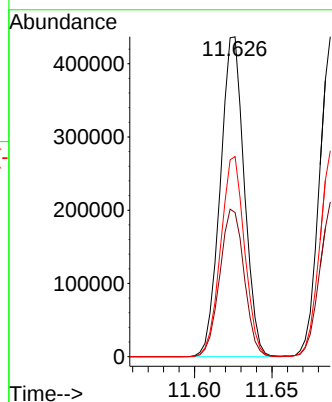
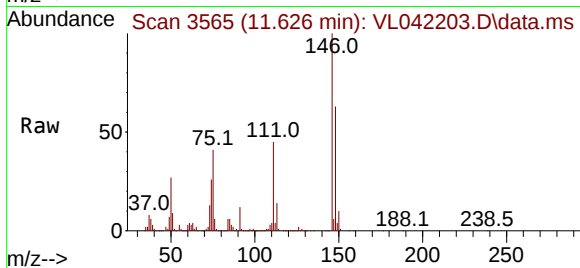
Tgt Ion:146 Resp: 470306

Ion Ratio Lower Upper

146 100

111 46.9 23.8 71.2

148 62.4 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 10.538 ppbv

RT: 11.688 min Scan# 3584

Delta R.T. 0.019 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

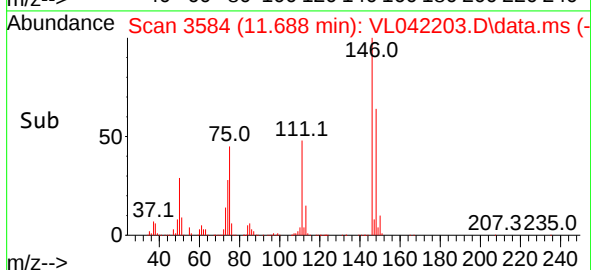
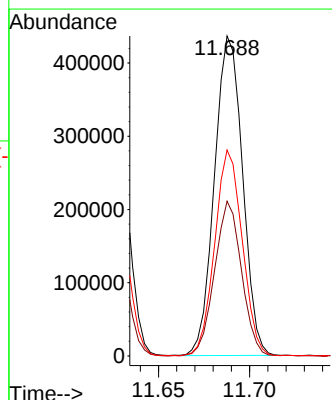
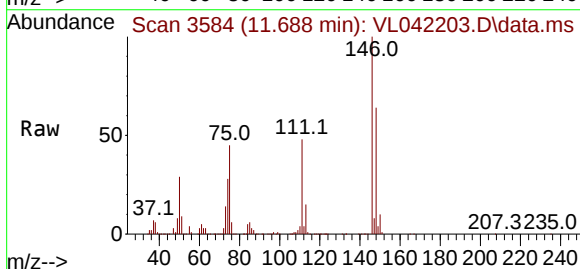
Tgt Ion:146 Resp: 467631

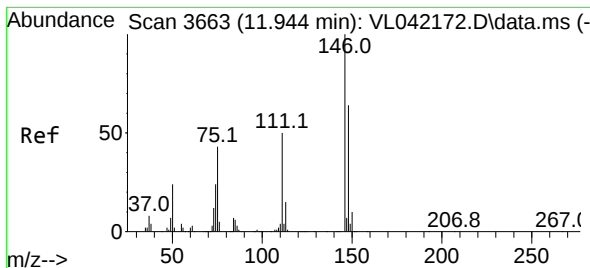
Ion Ratio Lower Upper

146 100

111 46.6 23.0 69.0

148 63.4 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 10.617 ppbv

RT: 11.963 min Scan# 3

Delta R.T. 0.019 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

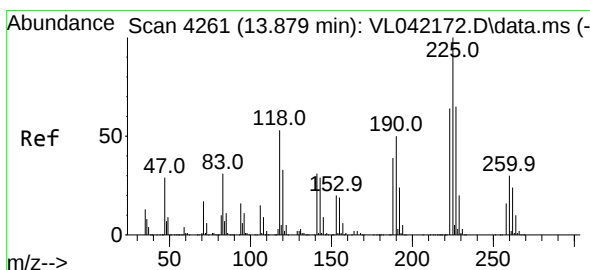
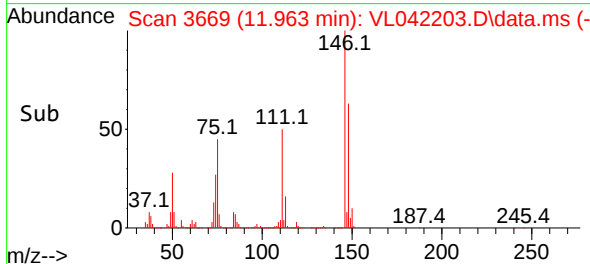
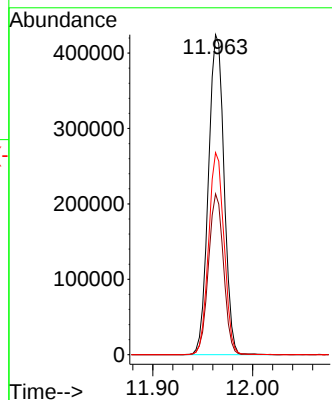
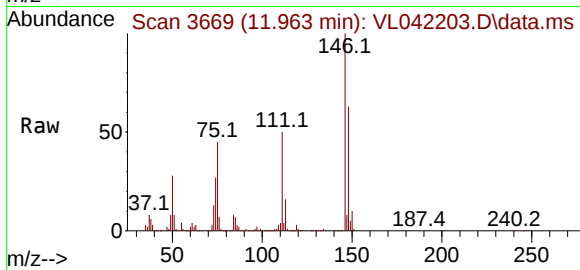
Tgt Ion:146 Resp: 460911

Ion Ratio Lower Upper

146 100

111 48.6 24.8 74.3

148 62.4 31.6 94.8



#78

Hexachloro-1,3-Butadiene

Concen: 8.418 ppbv

RT: 13.898 min Scan# 4267

Delta R.T. 0.019 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

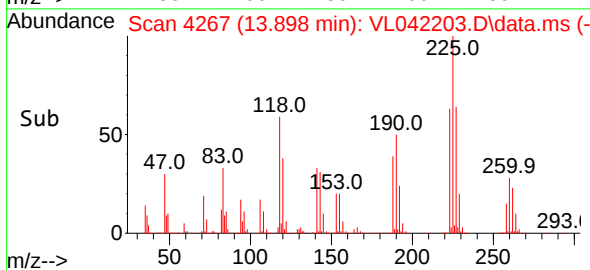
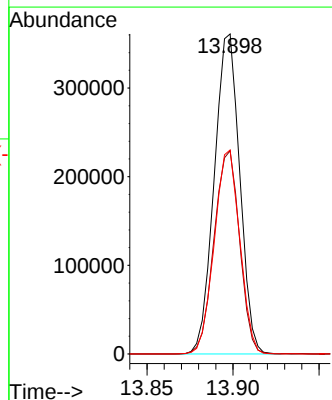
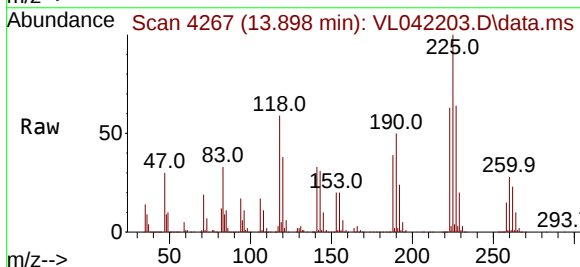
Tgt Ion:225 Resp: 371995

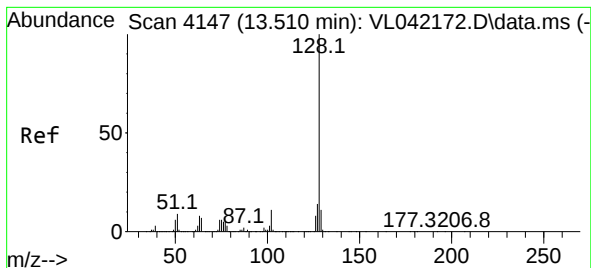
Ion Ratio Lower Upper

225 100

223 63.6 50.6 76.0

227 63.7 51.2 76.8





#79

Naphthalene

Concen: 9.455 ppbv

RT: 13.529 min Scan# 4147

Delta R.T. 0.019 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

Instrument :

MSVOA_L

ClientSampleId :

VL0331ABS01

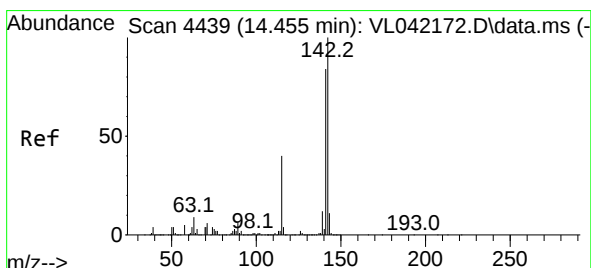
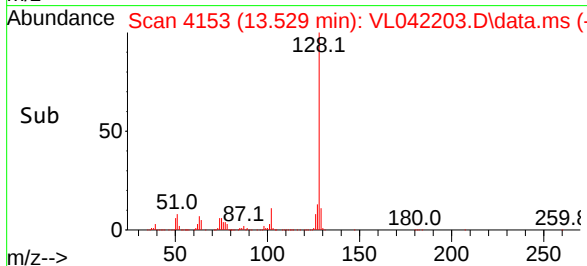
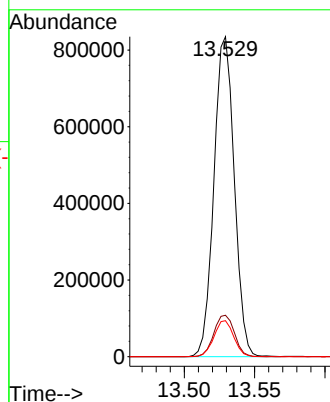
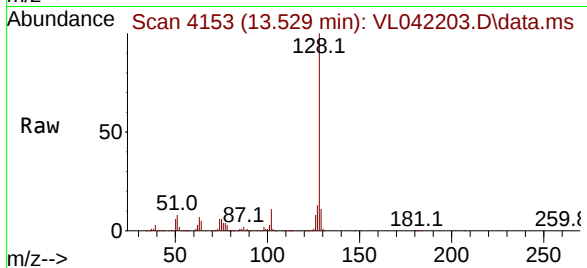
Tgt Ion:128 Resp: 840768

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 11.2 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 7.541 ppbv

RT: 14.471 min Scan# 4444

Delta R.T. 0.016 min

Lab File: VL042203.D

Acq: 31 Mar 2025 10:17

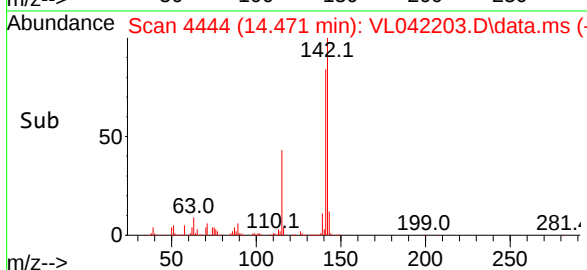
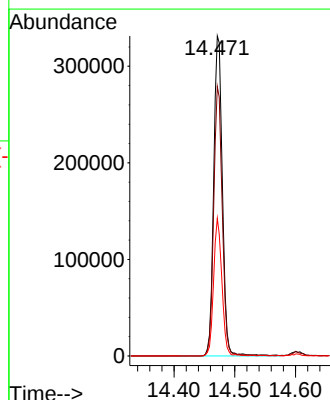
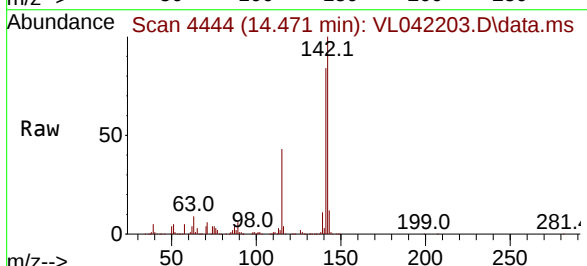
Tgt Ion:142 Resp: 328839

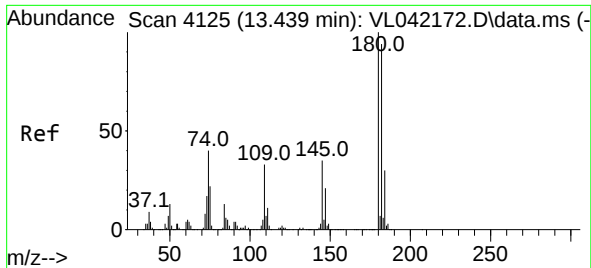
Ion Ratio Lower Upper

142 100

141 83.3 66.3 99.5

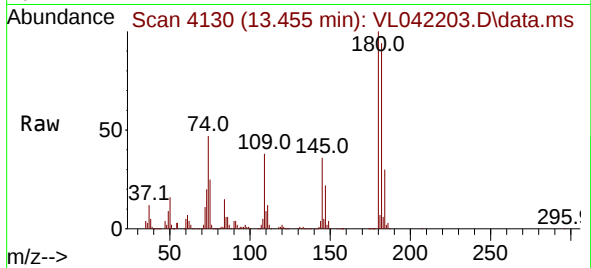
115 41.4 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.313 ppbv
 RT: 13.455 min Scan# 41
 Delta R.T. 0.016 min
 Lab File: VL042203.D
 Acq: 31 Mar 2025 10:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0331ABS01



Tgt Ion:180 Resp: 381981

Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.1	112.7
184	30.8	24.4	36.6

