

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042173.D
 Acq On : 27 Mar 2025 08:59
 Operator : SY/MD
 Sample : VSTDICC002
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC002

Quant Time: Mar 28 01:32:52 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 01:31:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	188395	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	546394	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	504538	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	417532	10.077	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	55859	2.008	ppbv	99
3) Chlorodifluoromethane	1.473	51	57045	2.007	ppbv	99
4) Chloromethane	1.531	50	23293	2.049	ppbv	94
5) Vinyl Chloride	1.576	62	21989	1.897	ppbv	99
6) Bromomethane	1.664	94	10027	1.946	ppbv	98
7) Chloroethane	1.703	64	8413	1.844	ppbv	92
8) Dichlorotetrafluoroethane	1.551	85	48008	2.027	ppbv	98
9) Propene	1.483	41	26295	2.054	ppbv	94
10) Heptane	4.972	43	71466	2.063	ppbv	99
11) Trichlorofluoromethane	1.874	101	55754	2.060	ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	44761	2.012	ppbv	98
13) Ethanol	1.719	45	1827	1.822	ppbv #	49
14) Bromoethene	1.780	108	17323	2.033	ppbv #	89
15) Acetone	1.832	43	55365	2.101	ppbv	95
16) 1,3-Butadiene	1.606	39	22894	1.932	ppbv	95
17) tert-Butyl alcohol	2.039	59	66174	2.016	ppbv	100
18) 1,1-Dichloroethene	2.030	96	21103	2.029	ppbv	95
19) Isopropyl Alcohol	1.884	45	27804	1.870	ppbv #	35
20) Methylene Chloride	2.059	84	20518	2.091	ppbv	96
21) Allyl Chloride	2.094	41	38425	2.068	ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	23384	1.924	ppbv	92
23) Vinyl Acetate	2.460	43	20736	1.894	ppbv #	97
24) 1,1-Dichloroethane	2.405	63	44740	2.008	ppbv	99
25) Ethyl Acetate	2.832	43	139516	2.040	ppbv	99
26) Hexane	2.823	57	52095	1.972	ppbv	92
27) Carbon Disulfide	2.146	76	57969	2.047	ppbv #	76
28) Methyl tert-Butyl Ether	2.437	73	33703	2.049	ppbv	99
29) Chloroform	2.845	83	78043	2.019	ppbv	95
30) Cyclohexane	3.852	84	45641	1.989	ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	53713	2.003	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	81070	1.833	ppbv	99
34) 2-Butanone	2.554	43	84157	2.124	ppbv	99
35) Carbon Tetrachloride	3.758	117	81735	1.944	ppbv	96
36) Benzene	3.651	78	110727	2.044	ppbv	97
37) 1,2-Dichloroethane	3.214	62	61476	1.982	ppbv	97
38) Trichloroethene	4.541	130	43501	1.924	ppbv	97
39) 1,2-Dichloropropane	4.308	63	39912	2.023	ppbv	93
40) 1,4-Dioxane	4.587	88	14008	1.369	ppbv #	2
41) Tetrahydrofuran	3.056	42	47262	2.097	ppbv	99
42) Bromodichloromethane	4.483	83	87640	2.050	ppbv	99
43) Methyl Methacrylate	4.878	69	44624	1.952	ppbv	97
44) 2,2,4-Trimethylpentane	4.632	57	188282	2.057	ppbv	100
45) t-1,3-Dichloropropene	6.406	75	49461	2.011	ppbv	99

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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

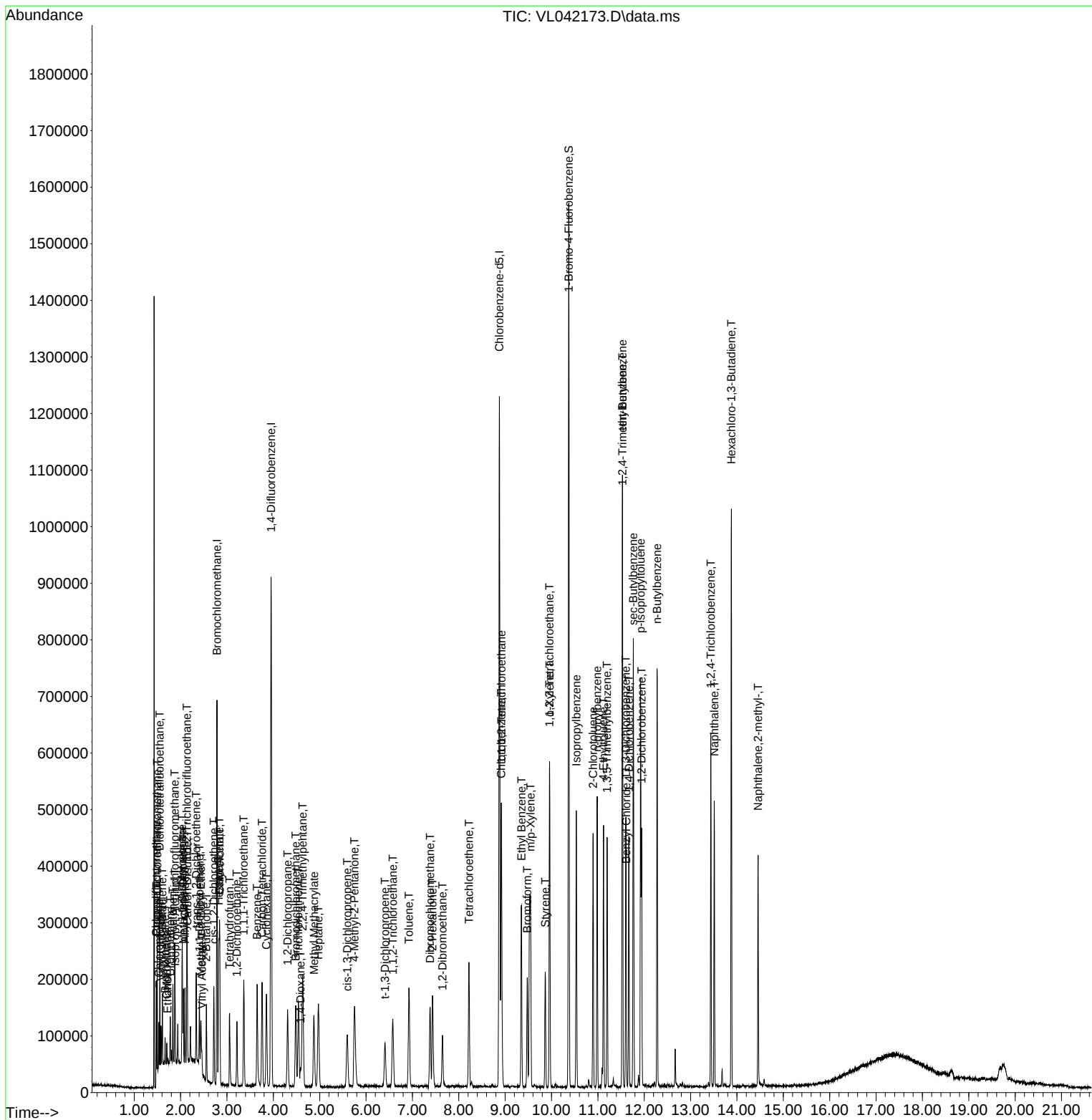
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 MSVOA_L
 ClientSampleId :
 VSTDICC002

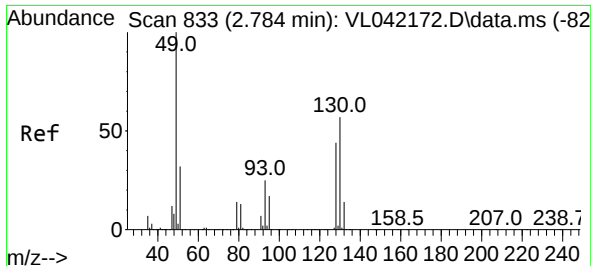
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 01:31:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	61829	2.050	ppbv #	91
47) 1,1,2-Trichloroethane	6.577	97	41387	1.985	ppbv	95
48) Dibromochloromethane	7.383	129	72441	2.050	ppbv	100
49) Bromoform	9.477	173	65221	2.056	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	132328	2.107	ppbv	99
51) 2-Hexanone	7.435	43	112681	2.162	ppbv #	99
52) Tetrachloroethene	8.221	164	40558	1.888	ppbv	98
53) Toluene	6.923	91	131314	2.045	ppbv	99
54) 1,2-Dibromoethane	7.648	107	56799	1.952	ppbv	90
56) 1,1,1,2-Tetrachloroethane	8.920	131	58141	2.093	ppbv	97
57) Chlorobenzene	8.914	112	100308	2.096	ppbv #	94
58) Ethyl Benzene	9.351	91	191114	2.132	ppbv	96
59) m/p-Xylene	9.548	91	167182	2.333	ppbv #	31
60) o-Xylene	9.959	91	151292	2.109	ppbv	98
61) Styrene	9.865	104	74134	2.089	ppbv	98
62) Isopropylbenzene	10.535	105	228191	2.127	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.956	83	90114	2.067	ppbv	99
64) n-propylbenzene	10.985	120	58105	2.104	ppbv	92
65) tert-Butylbenzene	11.529	119	216336	2.180	ppbv	99
66) Benzyl Chloride	11.610	91	22272	2.116	ppbv	95
67) sec-Butylbenzene	11.762	105	297381	2.156	ppbv	99
69) p-Isopropyltoluene	11.921	119	258357	2.176	ppbv	100
70) n-Butylbenzene	12.277	91	270616	2.228	ppbv	99
71) 2-Chlorotoluene	10.898	91	177487	2.132	ppbv	100
72) 4-Ethyltoluene	11.121	105	194660	2.179	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	169221	2.169	ppbv	96
74) 1,2,4-Trimethylbenzene	11.532	105	198351	2.207	ppbv	96
75) 1,3-Dichlorobenzene	11.604	146	107217	2.175	ppbv	97
76) 1,4-Dichlorobenzene	11.668	146	104925	2.139	ppbv	99
77) 1,2-Dichlorobenzene	11.943	146	102310	2.132	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	109539	2.242	ppbv	99
79) Naphthalene	13.510	128	233451	2.375	ppbv	97
80) Naphthalene,2-methyl-	14.455	142	117313	2.451	ppbv	99
81) 1,2,4-Trichlorobenzene	13.435	180	103765	2.288	ppbv	97

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

Quant Time: Mar 28 01:32:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
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QLast Update : Fri Mar 28 01:31:23 2025
Response via : Initial Calibration

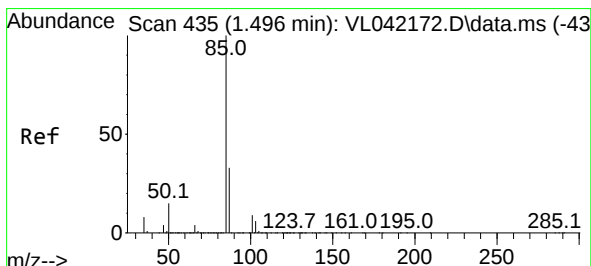
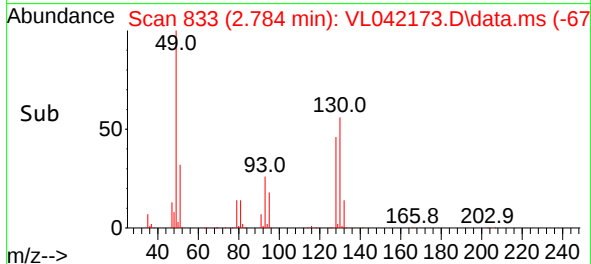
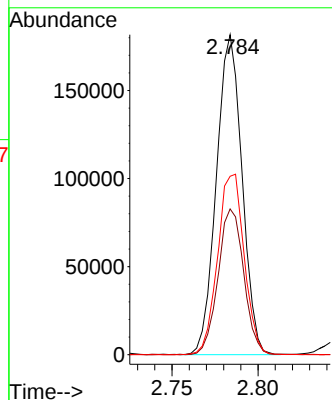
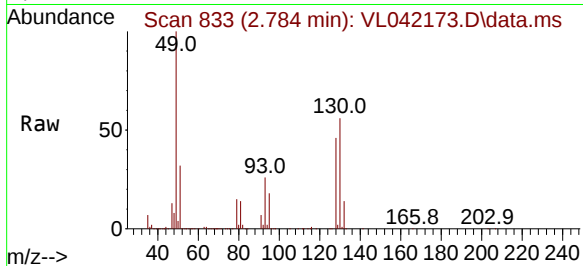




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

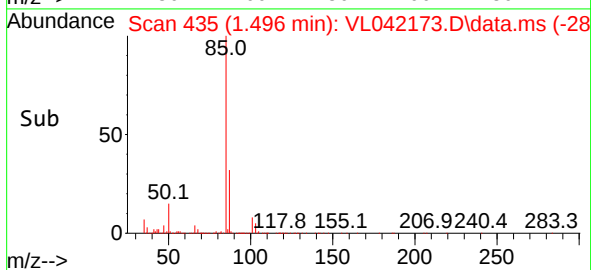
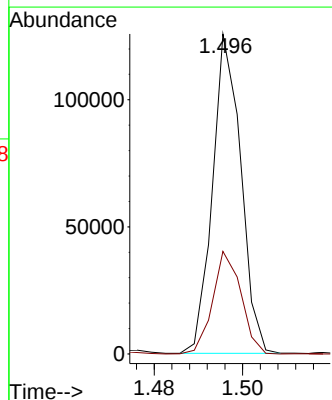
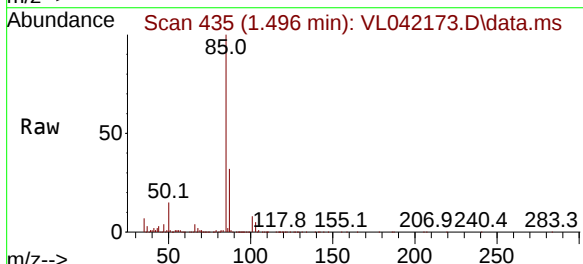
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 188395
Ion Ratio Lower Upper
49 100
128 45.7 22.9 68.5
130 58.5 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 2.008 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 85 Resp: 55859
Ion Ratio Lower Upper
85 100
87 32.1 26.1 39.1

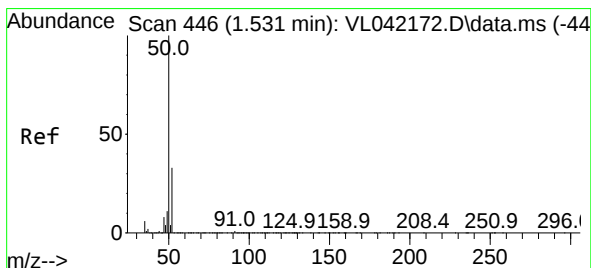
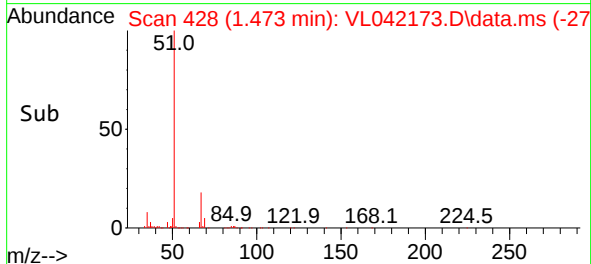
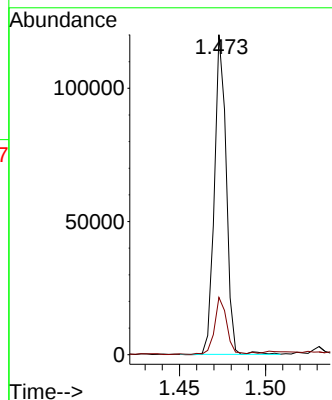
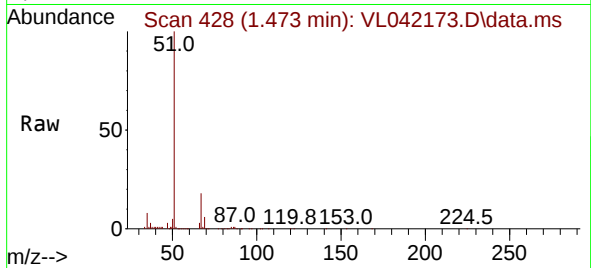




#3
Chlorodifluoromethane
Concen: 2.007 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

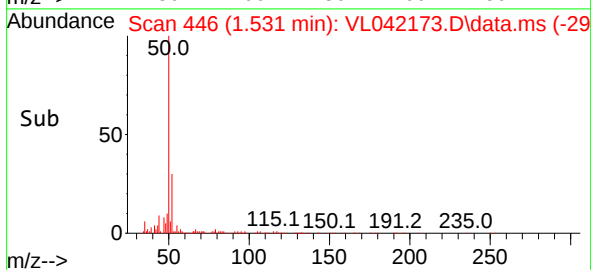
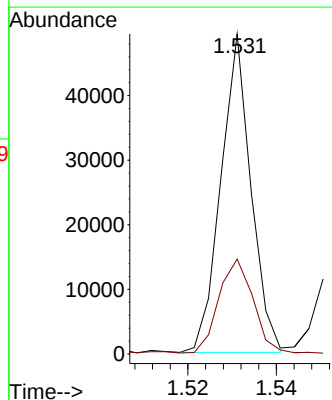
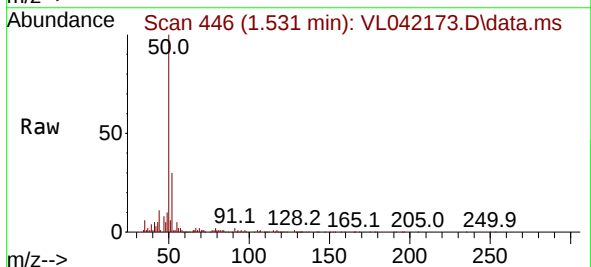
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

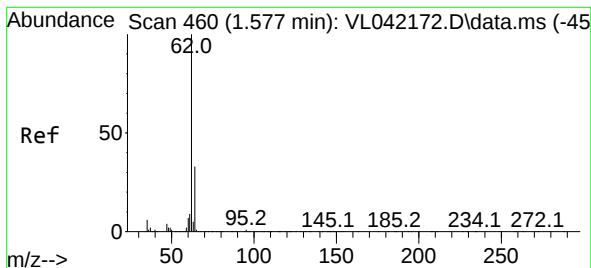
Tgt Ion: 51 Resp: 57045
Ion Ratio Lower Upper
51 100
67 19.4 15.0 22.6



#4
Chloromethane
Concen: 2.049 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 50 Resp: 23293
Ion Ratio Lower Upper
50 100
52 29.5 26.1 39.1





#5

Vinyl Chloride

Concen: 1.897 ppbv

RT: 1.576 min Scan# 4

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_1

ClientSampleId :

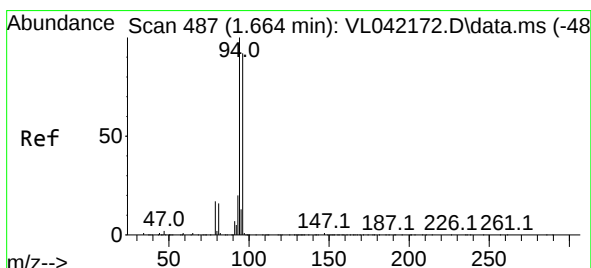
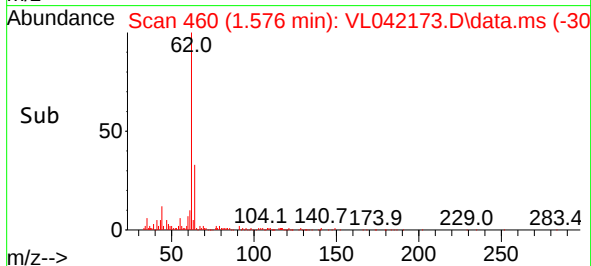
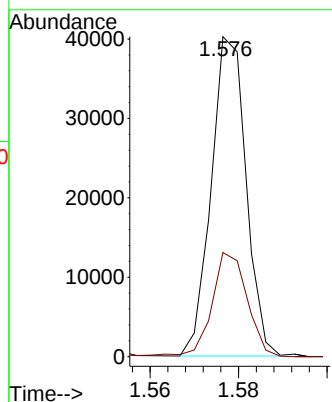
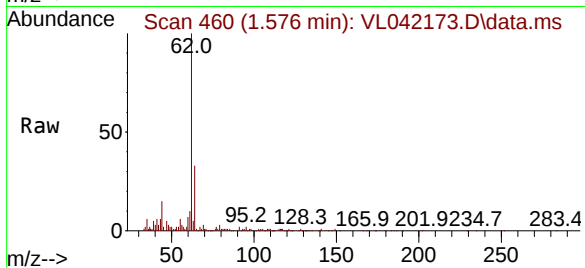
VSTDICC002

Tgt Ion: 62 Resp: 21989

Ion Ratio Lower Upper

62 100

64 32.5 26.6 40.0



#6

Bromomethane

Concen: 1.946 ppbv

RT: 1.664 min Scan# 487

Delta R.T. -0.000 min

Lab File: VL042173.D

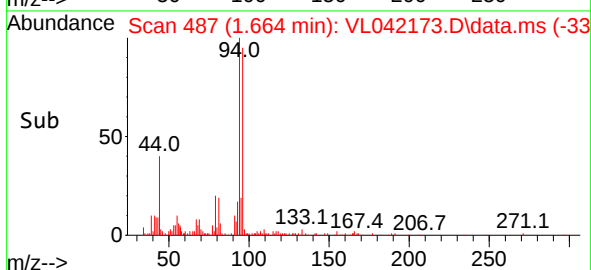
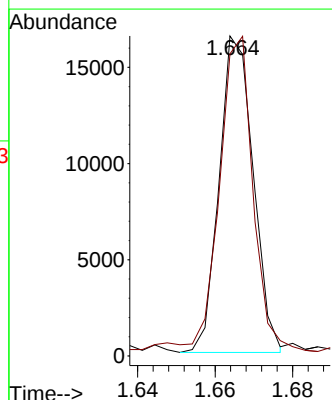
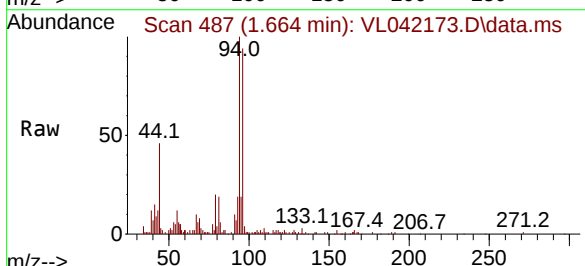
Acq: 27 Mar 2025 08:59

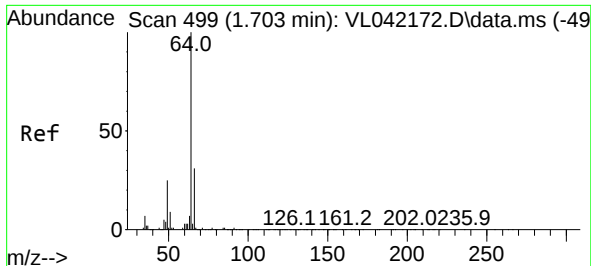
Tgt Ion: 94 Resp: 10027

Ion Ratio Lower Upper

94 100

96 93.6 73.1 109.7

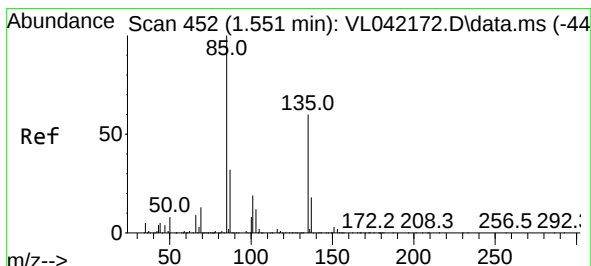
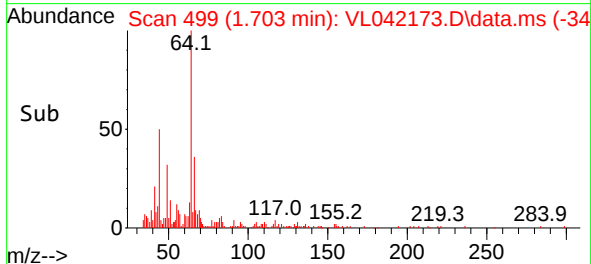
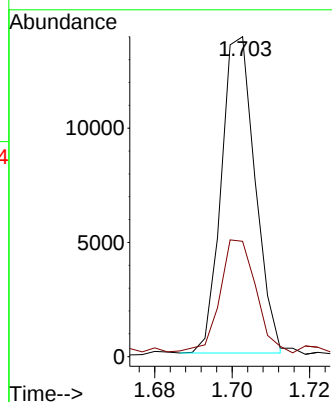
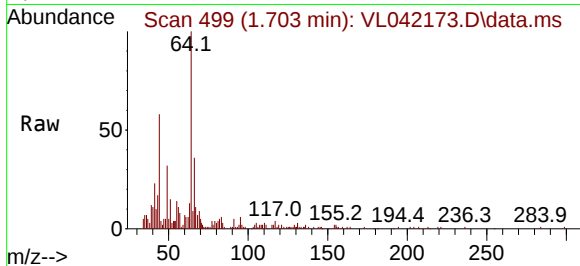




#7
Chloroethane
Concen: 1.844 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

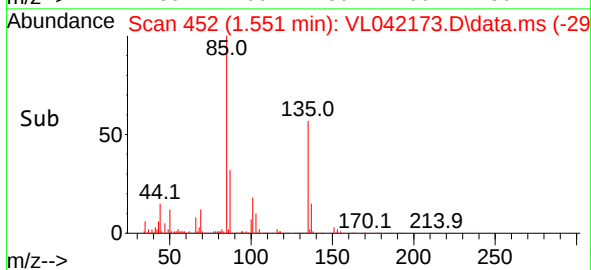
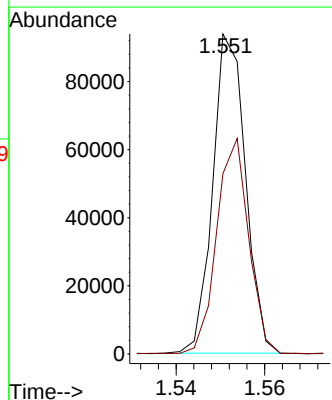
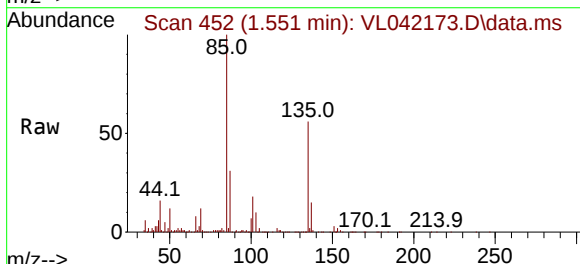
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

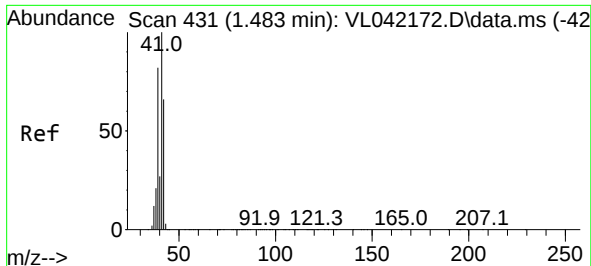
Tgt Ion: 64 Resp: 8413
Ion Ratio Lower Upper
64 100
66 36.1 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 2.027 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 85 Resp: 48008
Ion Ratio Lower Upper
85 100
135 66.8 52.4 78.6





#9

Propene

Concen: 2.054 ppbv

RT: 1.483 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_1

ClientSampleId :

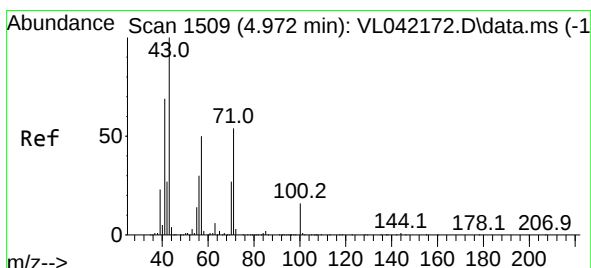
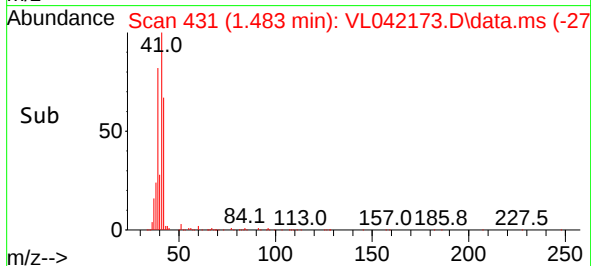
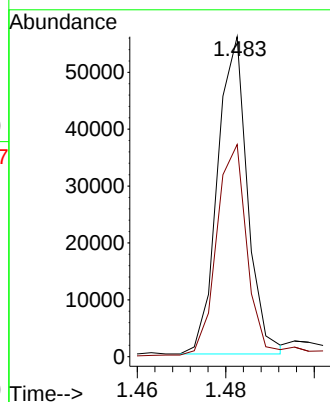
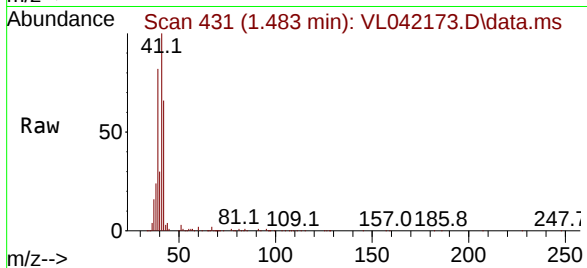
VSTDIC002

Tgt Ion: 41 Resp: 26295

Ion Ratio Lower Upper

41 100

42 73.9 55.4 83.2



#10

Heptane

Concen: 2.063 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VL042173.D

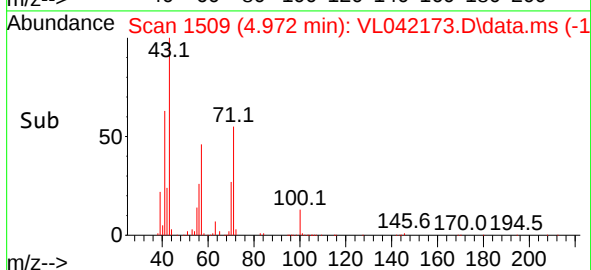
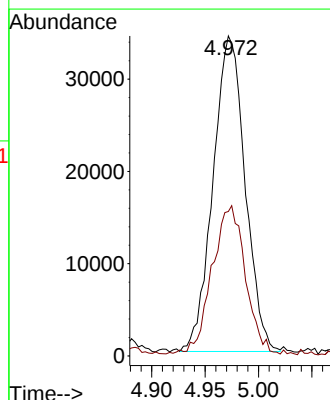
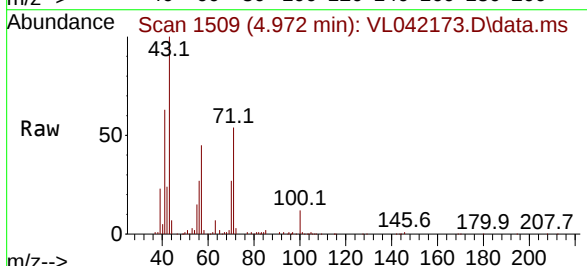
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 71466

Ion Ratio Lower Upper

43 100

57 49.6 39.4 59.2

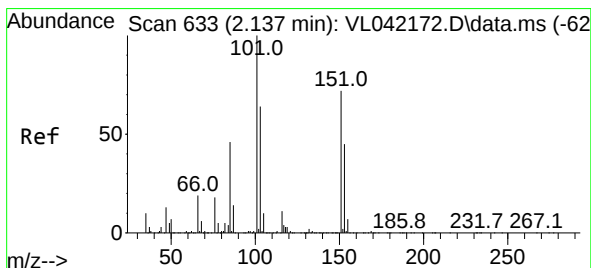
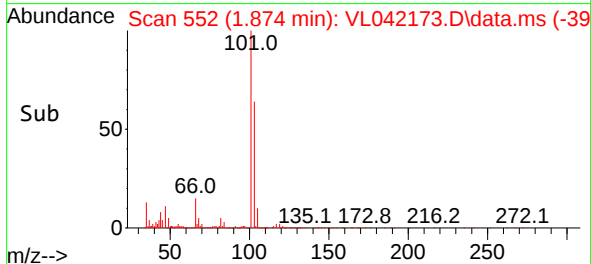
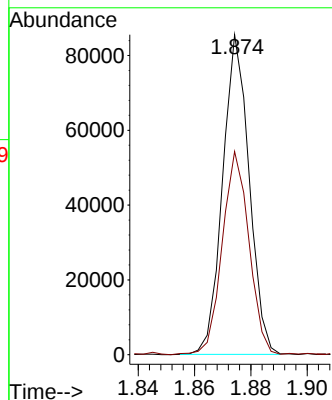
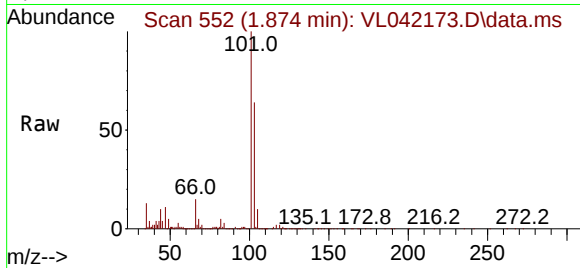




#11
 Trichlorofluoromethane
 Concen: 2.060 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

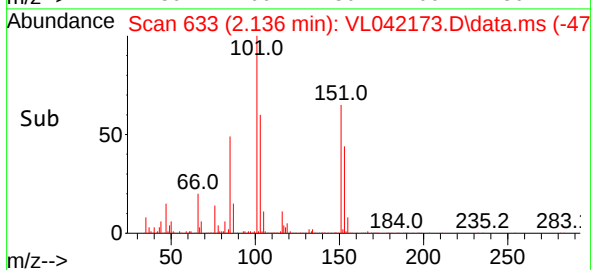
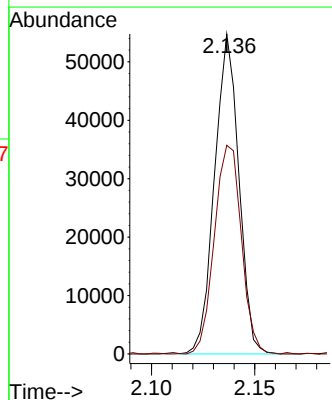
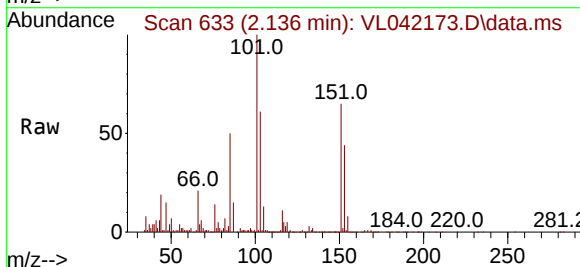
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:101 Resp: 55754
 Ion Ratio Lower Upper
 101 100
 103 63.5 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.012 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion:101 Resp: 44761
 Ion Ratio Lower Upper
 101 100
 151 73.0 57.1 85.7





#13

Ethanol

Concen: 1.822 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

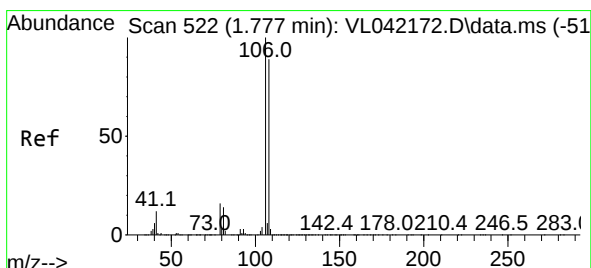
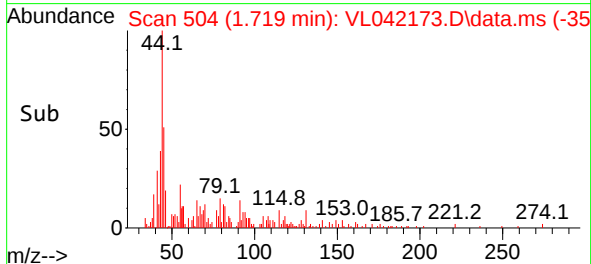
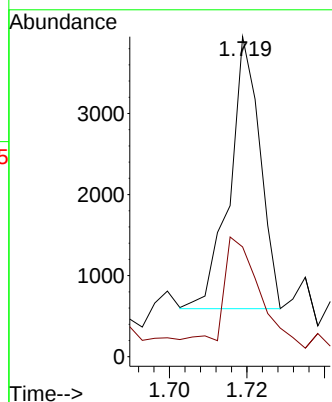
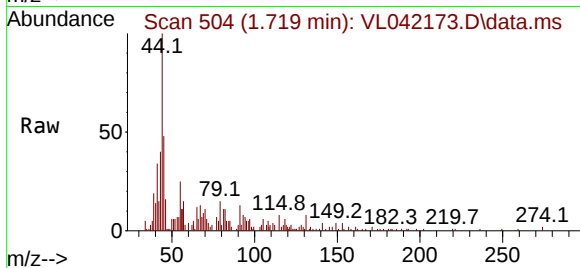
VSTDIC002

Tgt Ion: 45 Resp: 1827

Ion Ratio Lower Upper

45 100

46 85.6 20.2 80.8#



#14

Bromoethene

Concen: 2.033 ppbv

RT: 1.780 min Scan# 523

Delta R.T. 0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

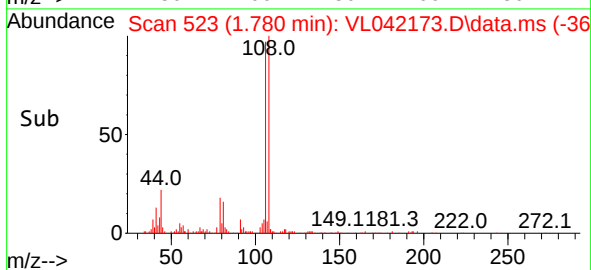
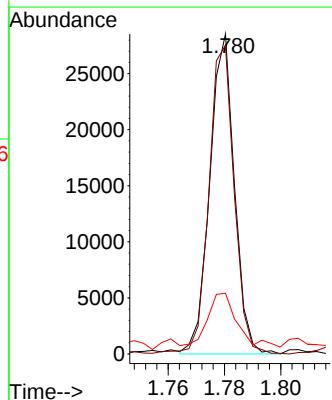
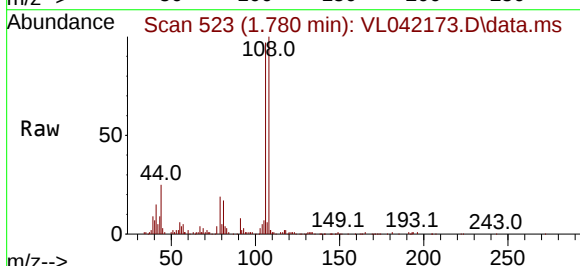
Tgt Ion: 108 Resp: 17323

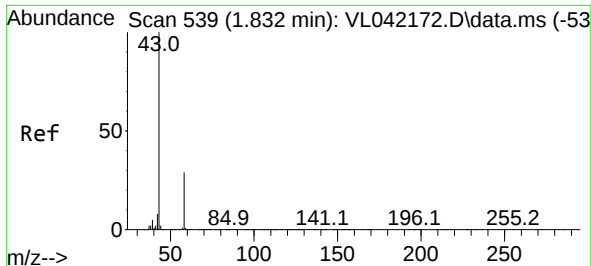
Ion Ratio Lower Upper

108 100

106 100.6 86.8 130.2

79 32.0 15.0 22.6#

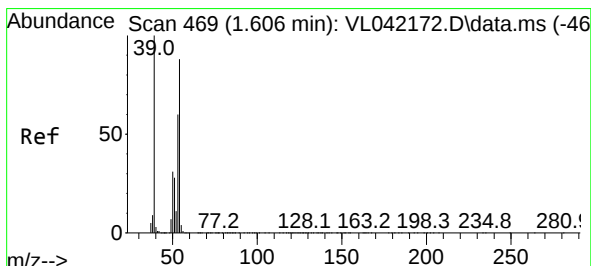
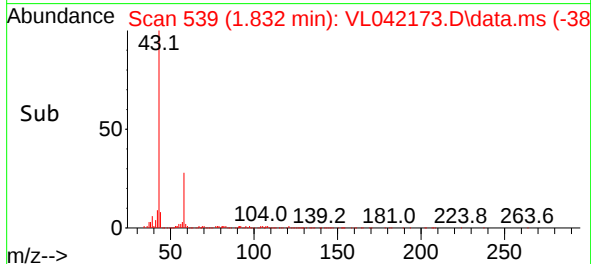
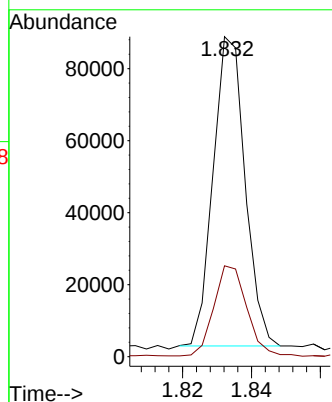
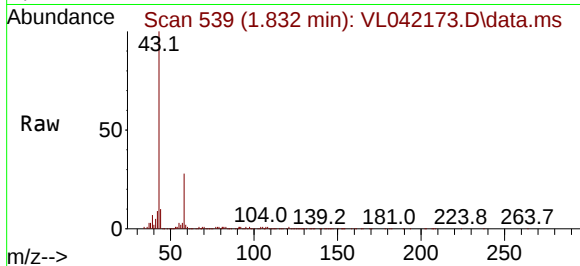




#15
Acetone
Concen: 2.101 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

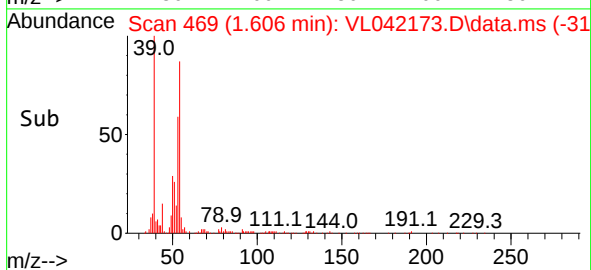
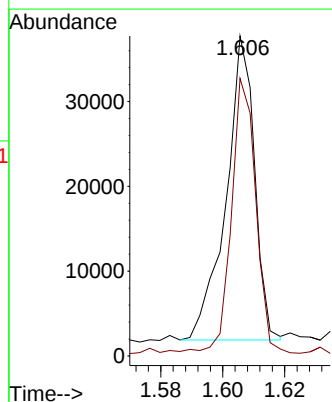
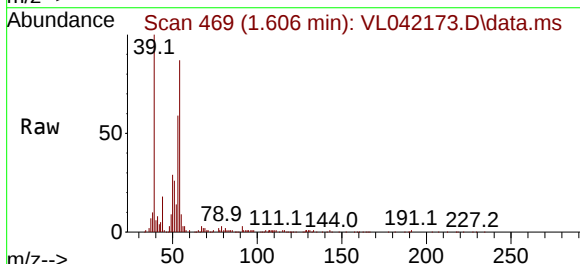
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

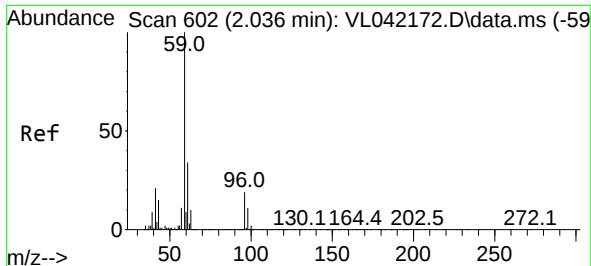
Tgt Ion: 43 Resp: 55365
Ion Ratio Lower Upper
43 100
58 31.8 23.2 34.8



#16
1,3-Butadiene
Concen: 1.932 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 39 Resp: 22894
Ion Ratio Lower Upper
39 100
54 79.9 60.7 91.1





#17

tert-Butyl alcohol

Concen: 2.016 ppbv

RT: 2.039 min Scan# 60

Delta R.T. 0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

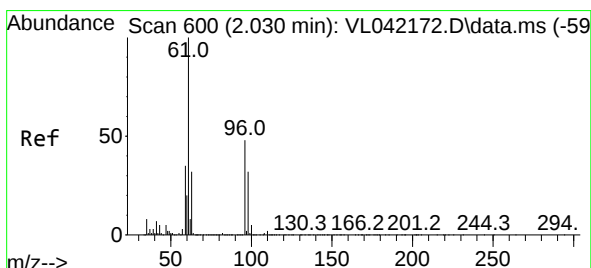
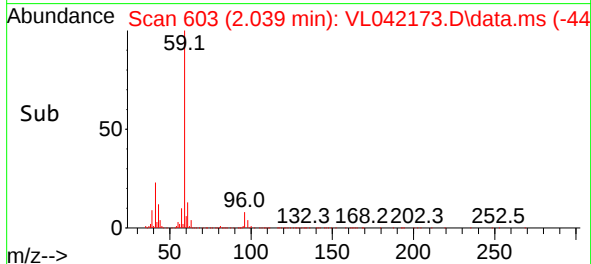
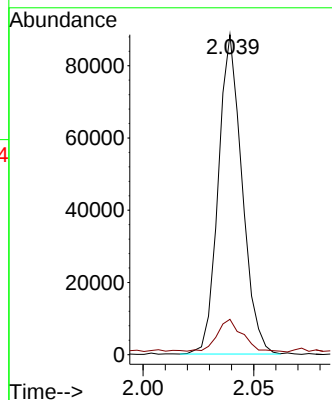
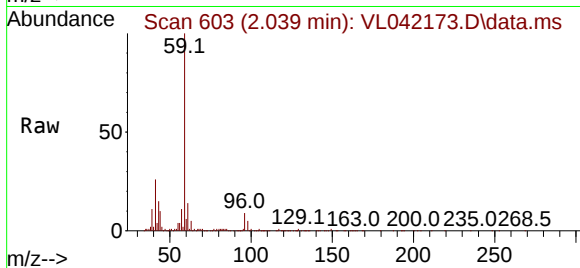
VSTDICC002

Tgt Ion: 59 Resp: 66174

Ion Ratio Lower Upper

59 100

57 11.2 8.9 13.3



#18

1,1-Dichloroethene

Concen: 2.029 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

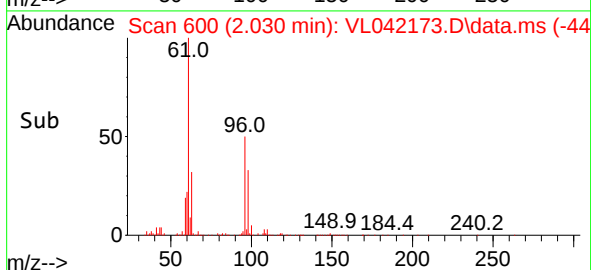
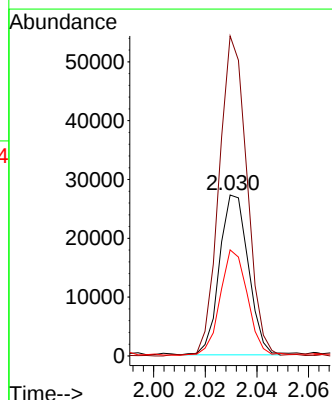
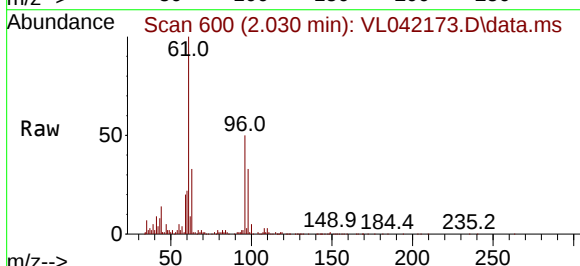
Tgt Ion: 96 Resp: 21103

Ion Ratio Lower Upper

96 100

61 199.8 167.6 251.4

98 66.0 53.5 80.3

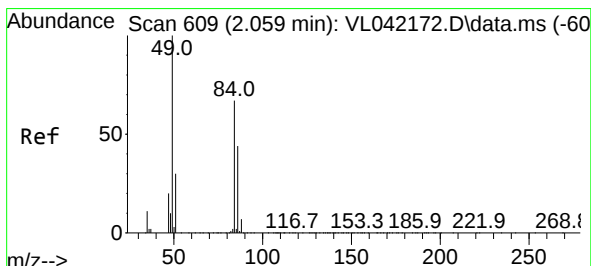
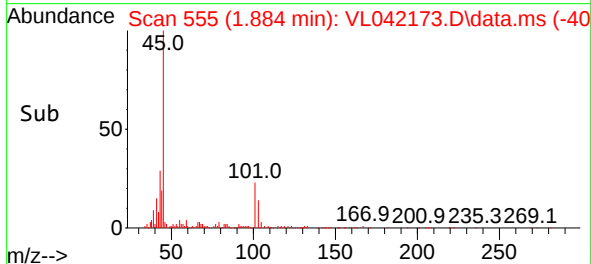
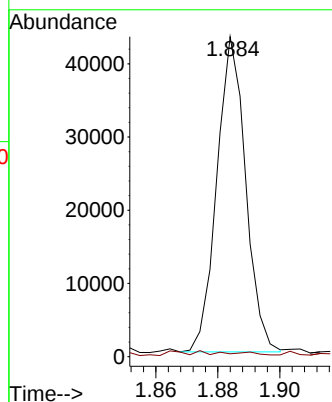
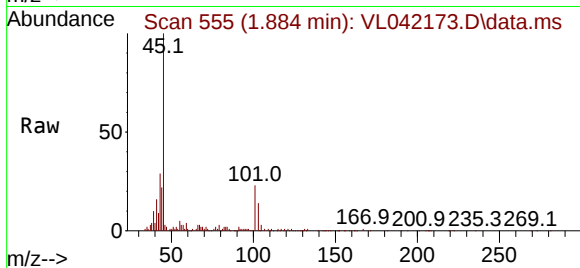




#19
Isopropyl Alcohol
Concen: 1.870 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

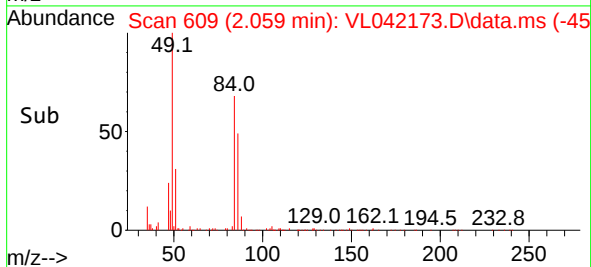
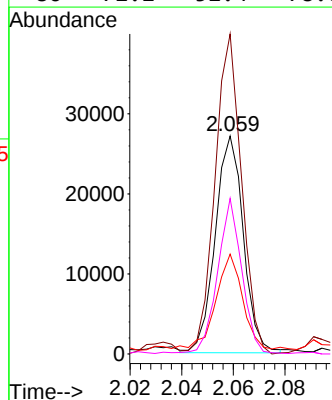
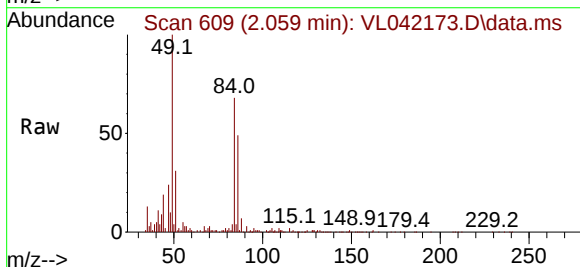
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

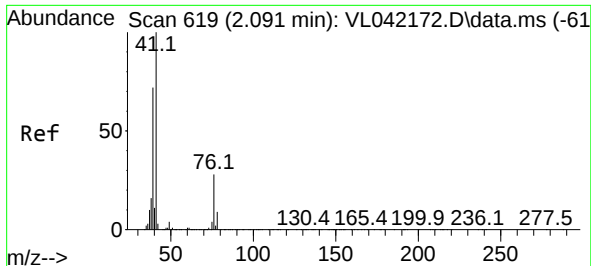
Tgt Ion: 45 Resp: 27804
Ion Ratio Lower Upper
45 100
58 3.3 36.9 55.3#



#20
Methylene Chloride
Concen: 2.091 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 84 Resp: 20518
Ion Ratio Lower Upper
84 100
49 148.8 120.2 180.4
51 43.5 37.4 56.0
86 72.2 52.4 78.6

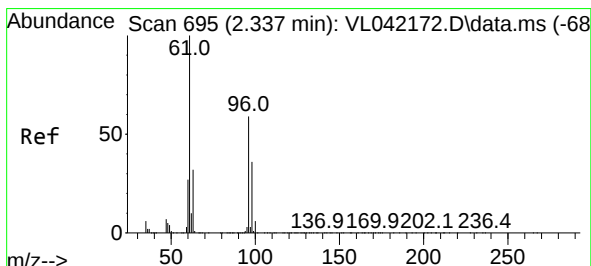
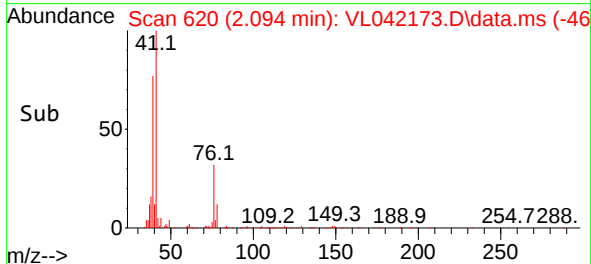
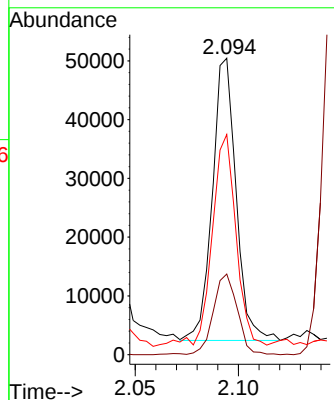
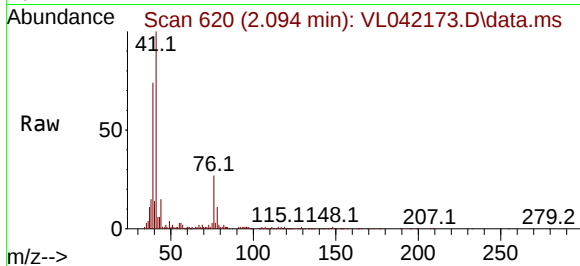




#21
 Allyl Chloride
 Concen: 2.068 ppbv
 RT: 2.094 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

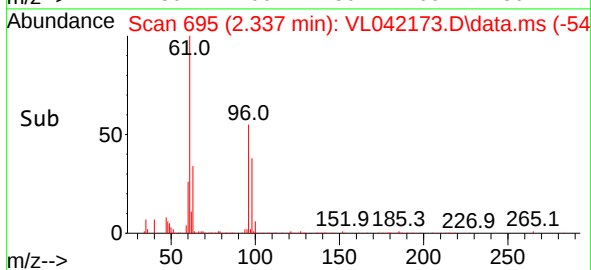
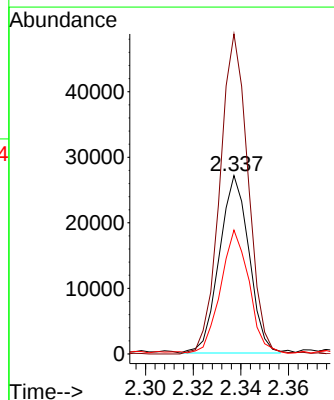
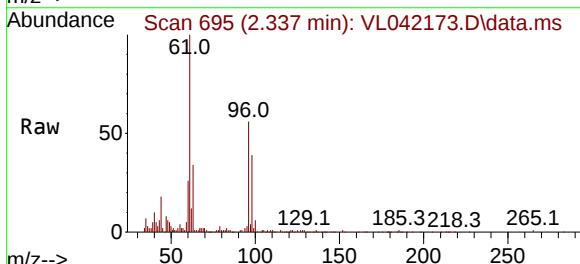
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

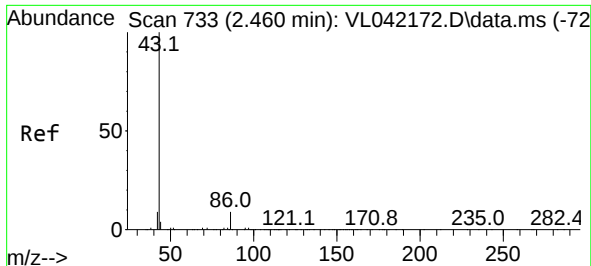
Tgt Ion: 41 Resp: 38425
 Ion Ratio Lower Upper
 41 100
 76 29.0 24.1 36.1
 39 77.5 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 1.924 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion: 96 Resp: 23384
 Ion Ratio Lower Upper
 96 100
 61 180.3 136.6 204.8
 98 68.6 49.4 74.2

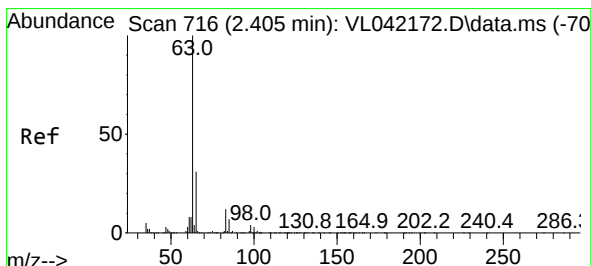
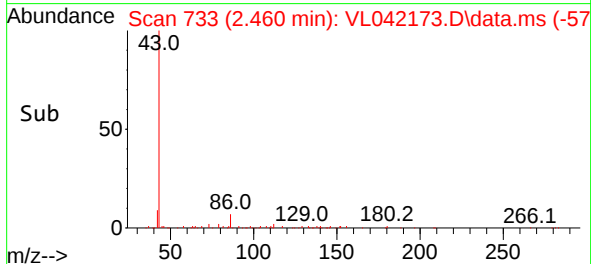
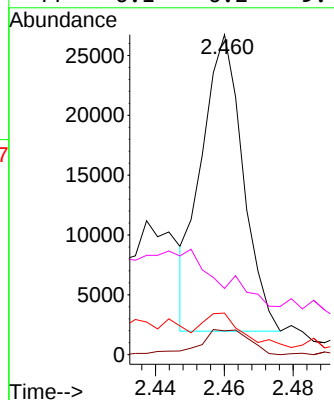
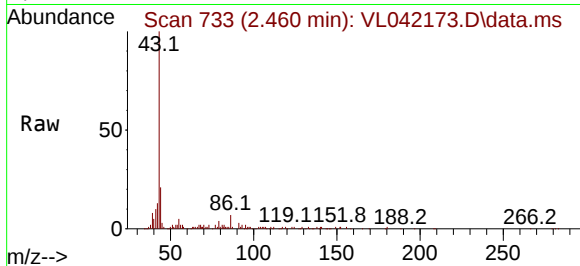




#23
 Vinyl Acetate
 Concen: 1.894 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

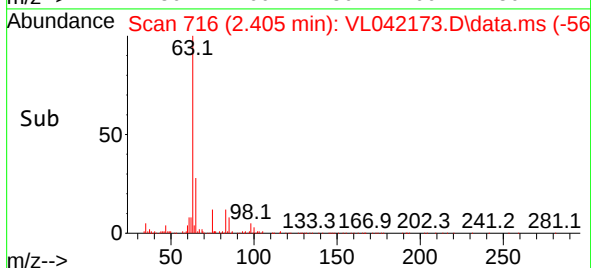
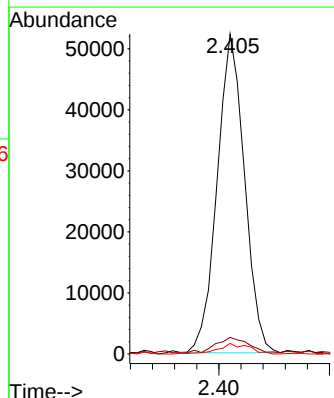
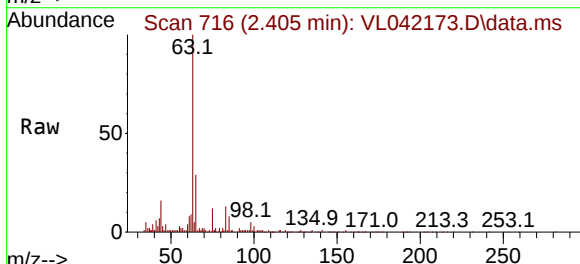
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC002

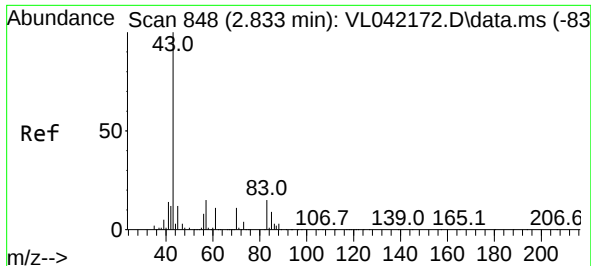
Tgt Ion:	43	Resp:	20736
Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	10.4	8.6	13.0
44	6.1	6.2	9.4



#24
 1,1-Dichloroethane
 Concen: 2.008 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion:	63	Resp:	44740
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.3	6.8
100	3.3	1.6	4.7



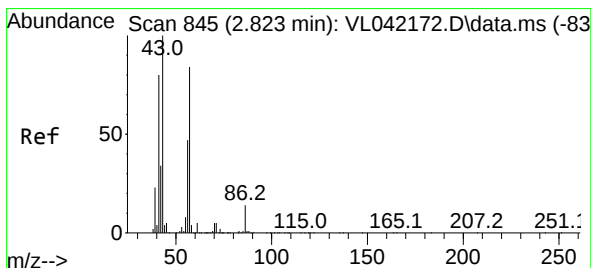
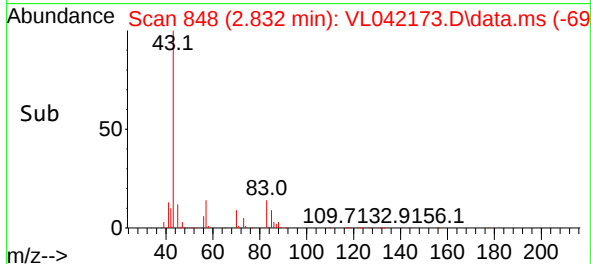
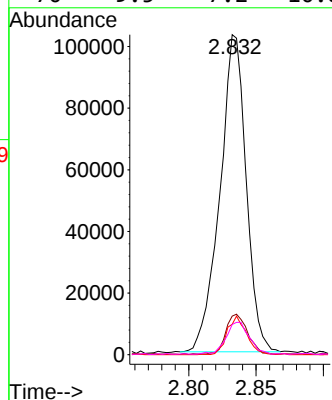
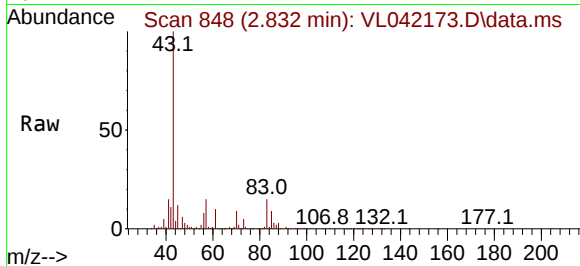


#25
Ethyl Acetate
Concen: 2.040 ppbv
RT: 2.832 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

Tgt Ion: 43 Resp: 139516

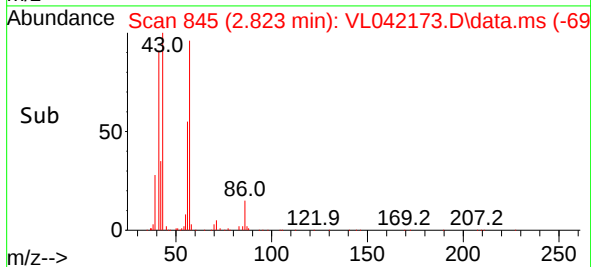
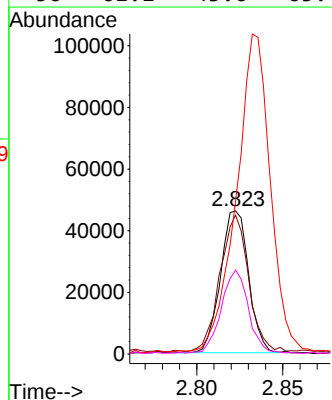
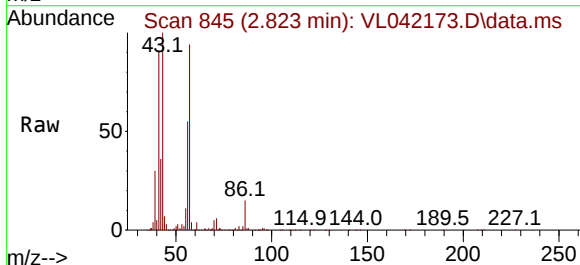
Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.2	12.2
61	9.1	7.3	10.9
70	9.5	7.2	10.8

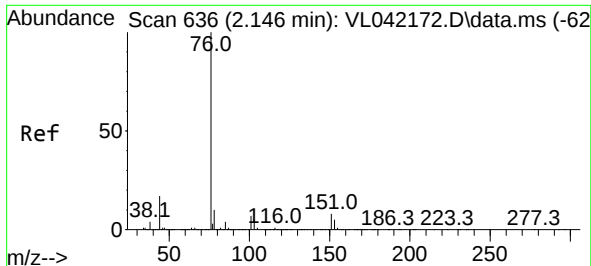


#26
Hexane
Concen: 1.972 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 57 Resp: 52095

Ion	Ratio	Lower	Upper
57	100		
41	100.9	76.6	114.8
43	274.8	207.8	311.8
56	61.1	43.6	65.4





#27

Carbon Disulfide

Concen: 2.047 ppbv

RT: 2.146 min Scan# 61

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

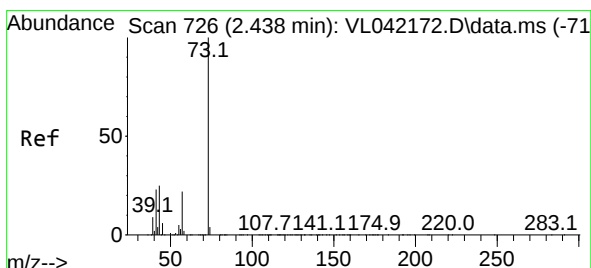
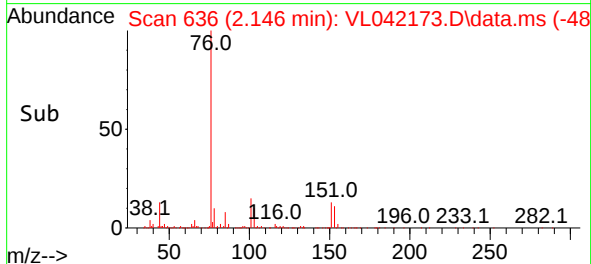
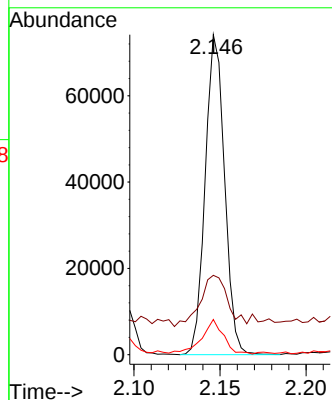
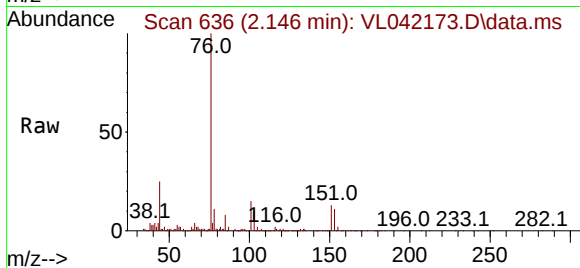
Tgt Ion: 76 Resp: 57969

Ion Ratio Lower Upper

76 100

44 35.2 14.7 22.1#

78 12.0 9.3 13.9



#28

Methyl tert-Butyl Ether

Concen: 2.049 ppbv

RT: 2.437 min Scan# 726

Delta R.T. -0.000 min

Lab File: VL042173.D

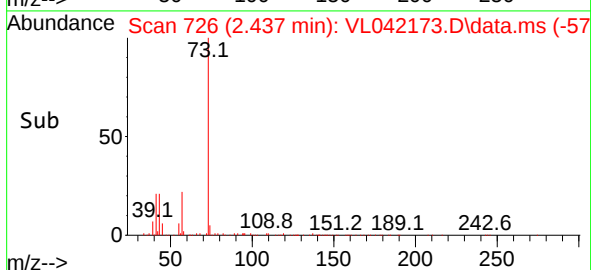
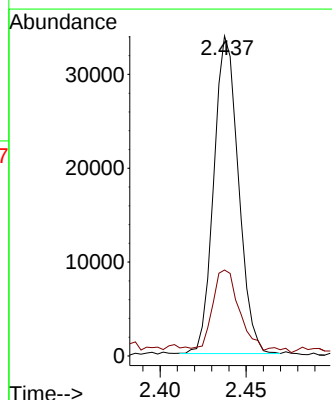
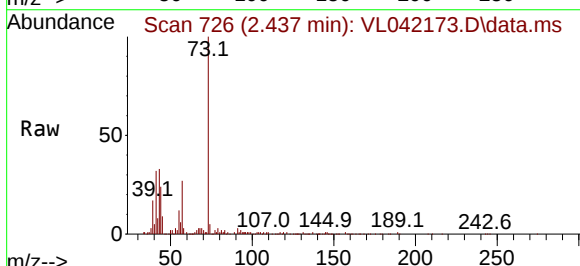
Acq: 27 Mar 2025 08:59

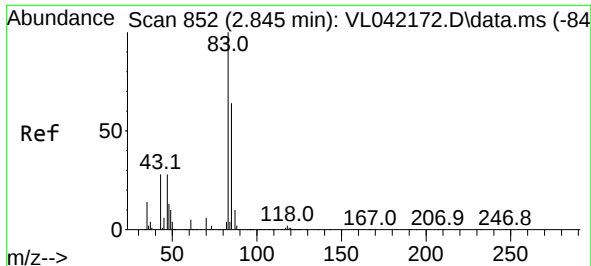
Tgt Ion: 73 Resp: 33703

Ion Ratio Lower Upper

73 100

57 25.2 20.5 30.7





#29

Chloroform

Concen: 2.019 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

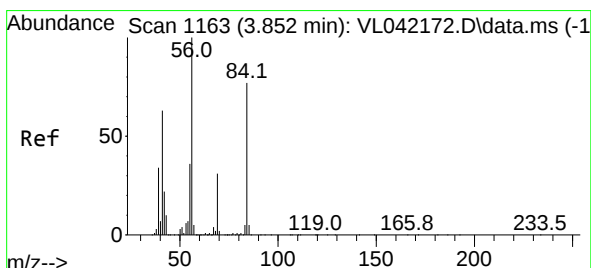
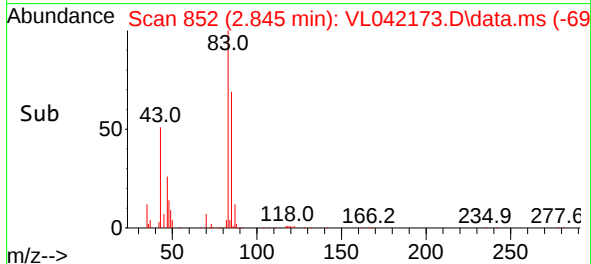
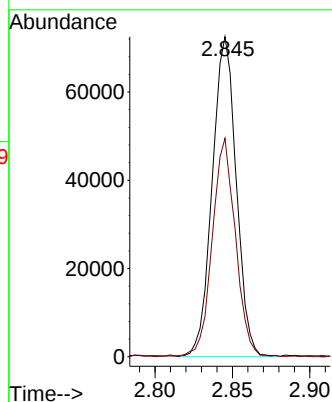
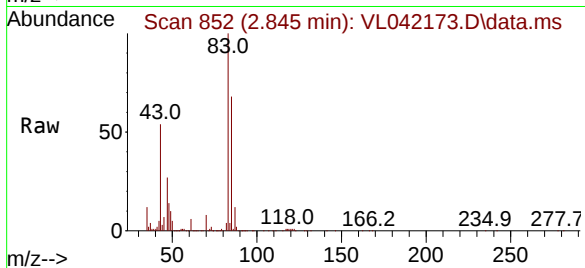
VSTDIC002

Tgt Ion: 83 Resp: 78043

Ion Ratio Lower Upper

83 100

85 68.2 51.4 77.2



#30

Cyclohexane

Concen: 1.989 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

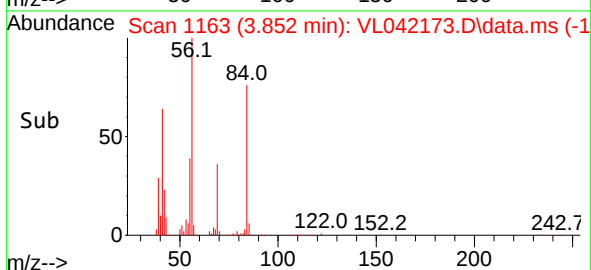
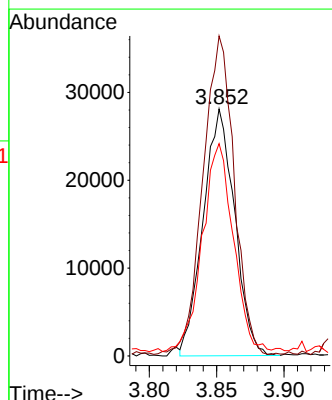
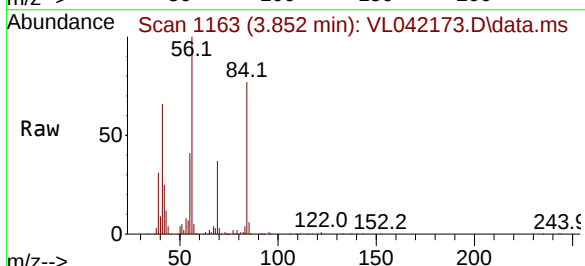
Tgt Ion: 84 Resp: 45641

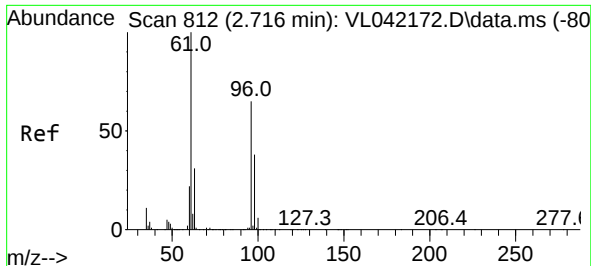
Ion Ratio Lower Upper

84 100

56 127.8 102.8 154.2

41 84.6 66.5 99.7

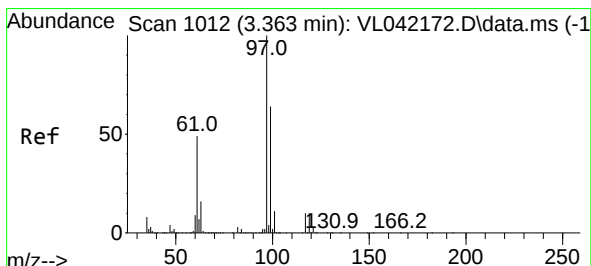
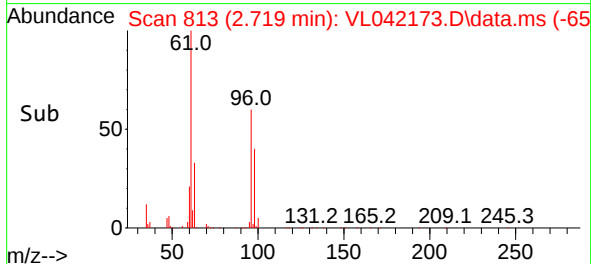
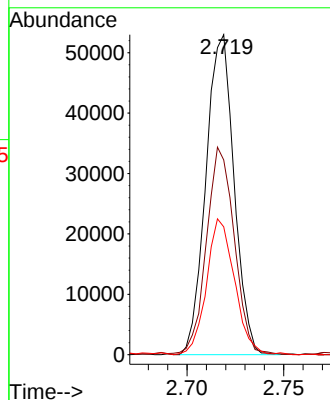
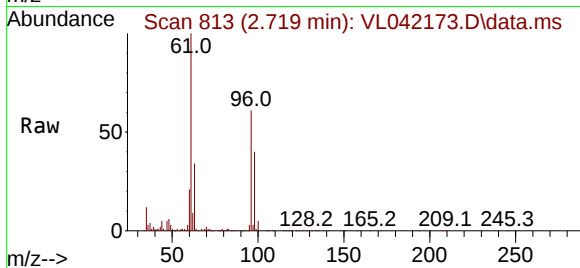




#31
 cis-1,2-Dichloroethene
 Concen: 2.003 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

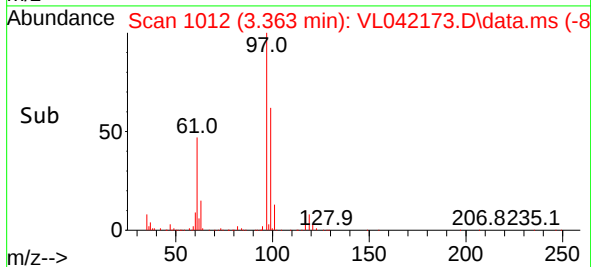
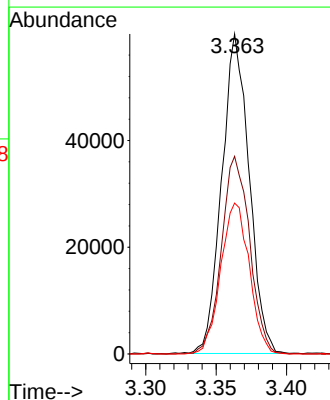
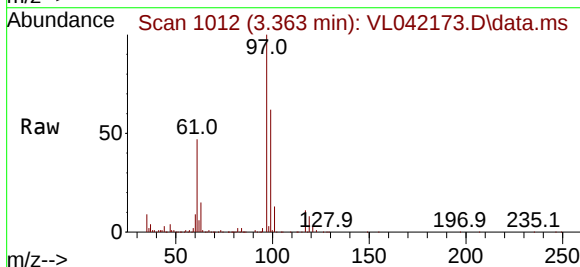
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 61 Resp: 53713
 Ion Ratio Lower Upper
 61 100
 96 60.6 51.8 77.8
 98 39.6 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 1.833 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion: 97 Resp: 81070
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.5 77.3
 61 49.3 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

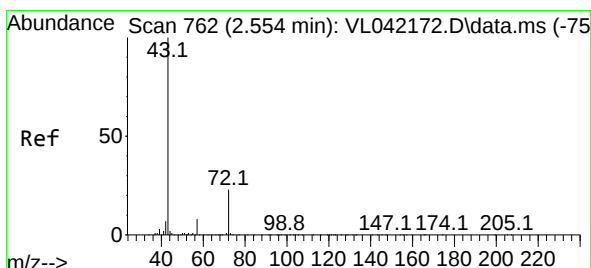
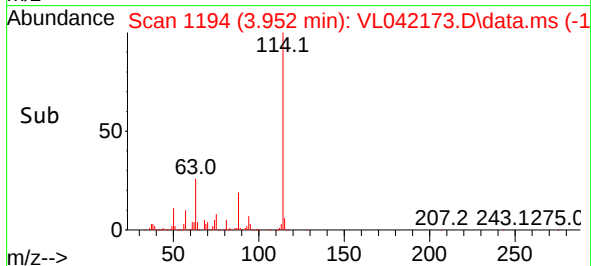
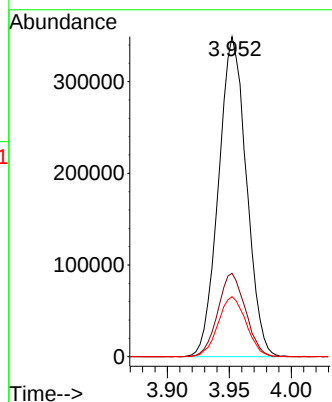
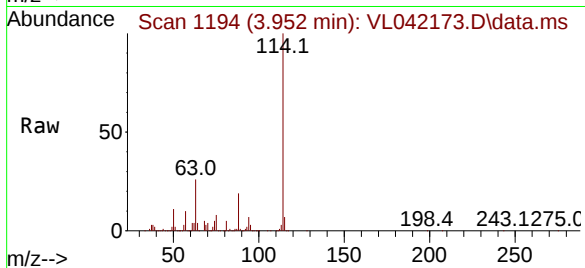
Tgt Ion:114 Resp: 546394

Ion Ratio Lower Upper

114 100

63 25.9 20.7 31.1

88 18.9 15.0 22.4



#34

2-Butanone

Concen: 2.124 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.000 min

Lab File: VL042173.D

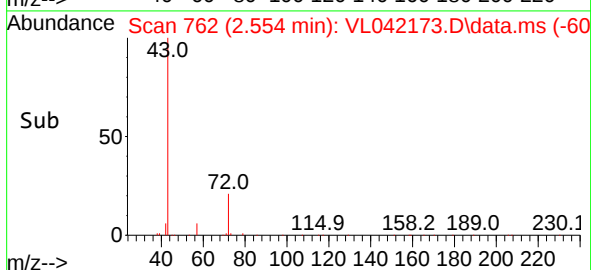
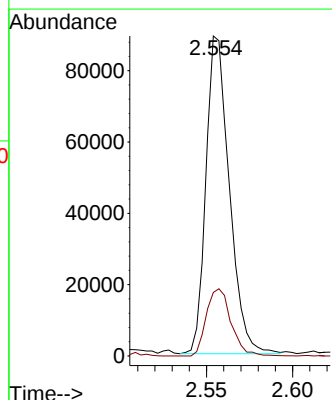
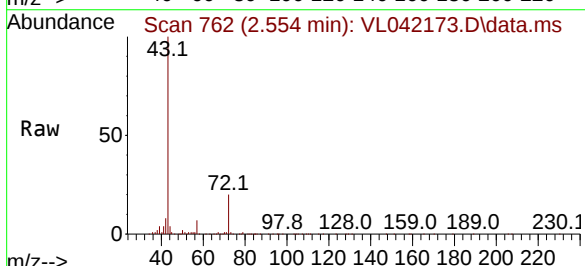
Acq: 27 Mar 2025 08:59

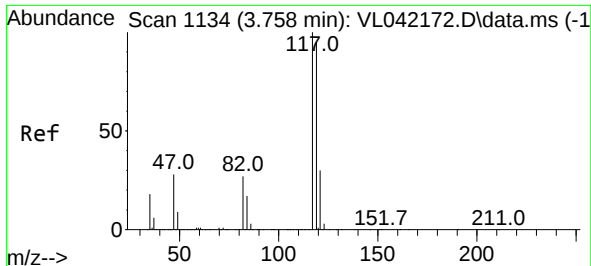
Tgt Ion: 43 Resp: 84157

Ion Ratio Lower Upper

43 100

72 22.4 18.2 27.2

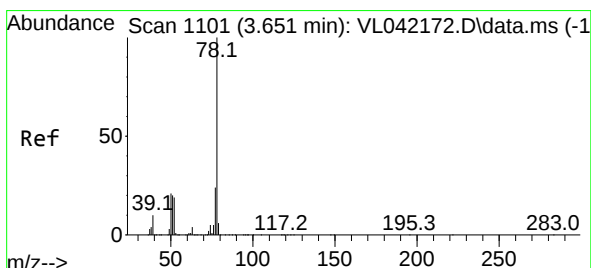
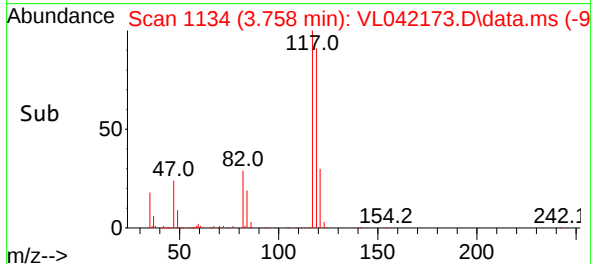
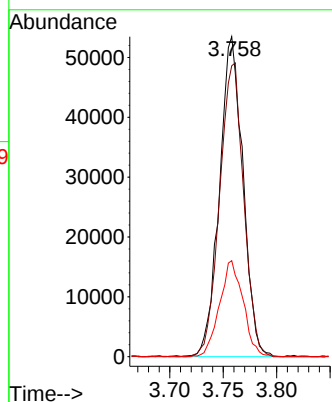
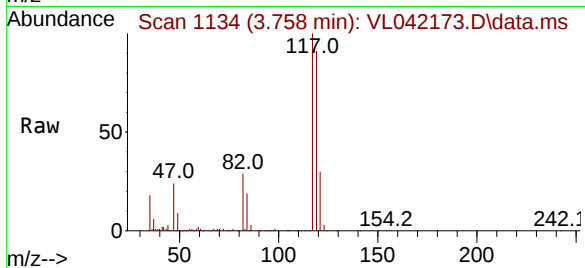




#35
Carbon Tetrachloride
Concen: 1.944 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

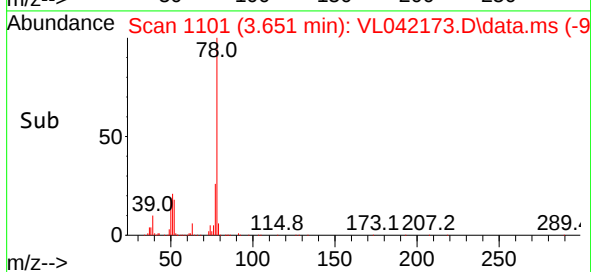
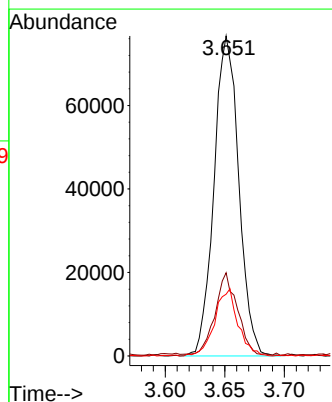
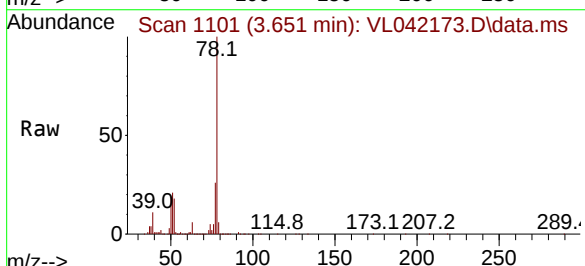
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

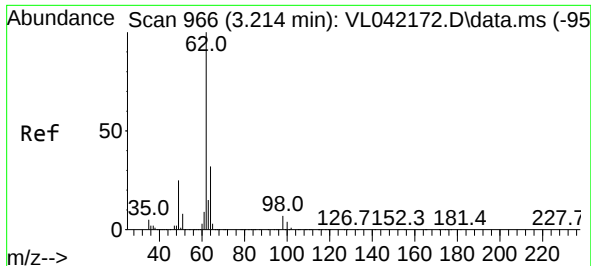
Tgt Ion:117 Resp: 81735
Ion Ratio Lower Upper
117 100
119 90.8 76.2 114.2
121 30.0 24.2 36.4



#36
Benzene
Concen: 2.044 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 78 Resp: 110727
Ion Ratio Lower Upper
78 100
77 25.7 19.1 28.7
50 19.3 16.6 24.8

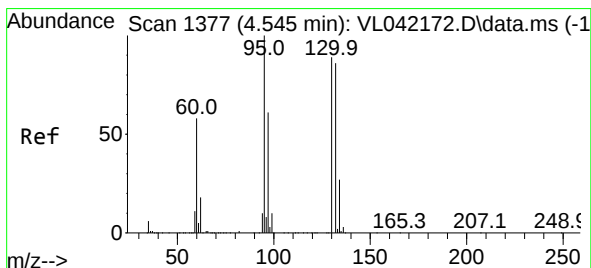
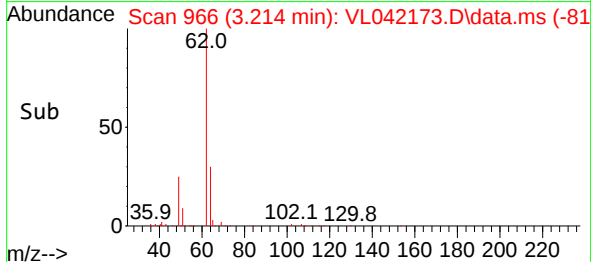
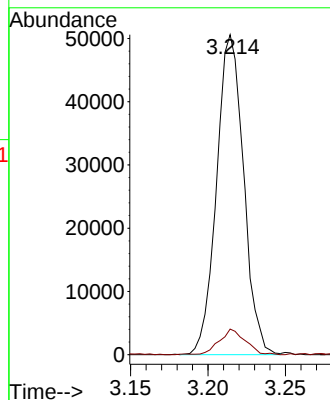
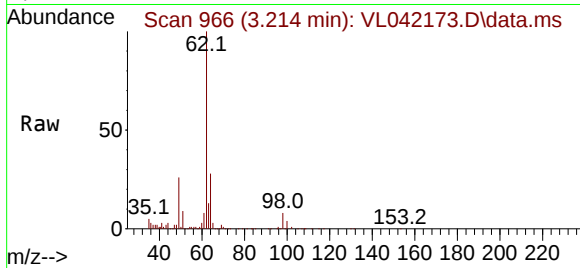




#37
1,2-Dichloroethane
Concen: 1.982 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

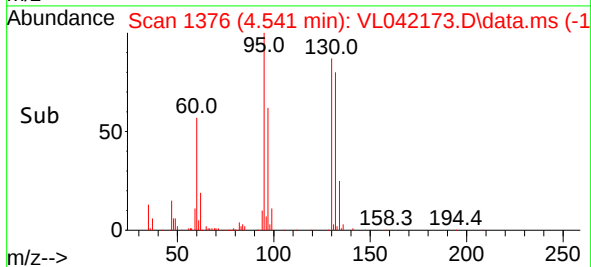
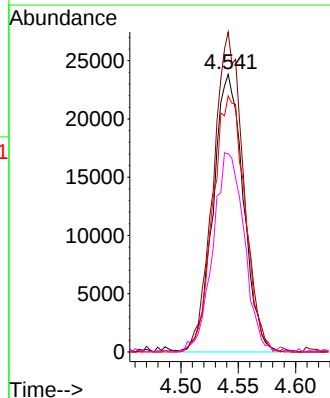
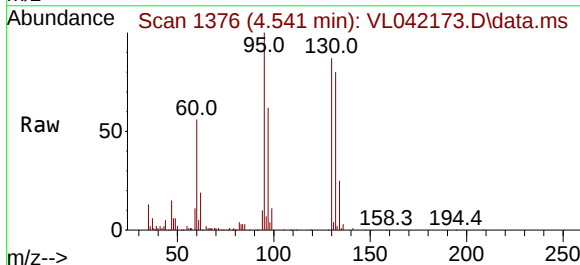
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

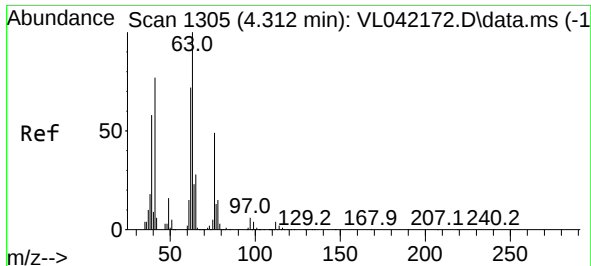
Tgt Ion: 62 Resp: 61476
Ion Ratio Lower Upper
62 100
98 7.7 5.4 8.2



#38
Trichloroethene
Concen: 1.924 ppbv
RT: 4.541 min Scan# 1376
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 130 Resp: 43501
Ion Ratio Lower Upper
130 100
95 114.8 89.8 134.8
132 92.2 77.4 116.2
97 70.8 55.1 82.7





#39

1,2-Dichloropropane

Concen: 2.023 ppbv

RT: 4.308 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

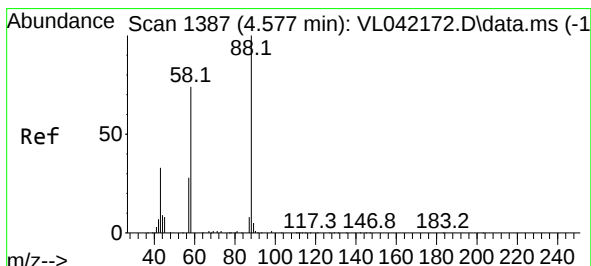
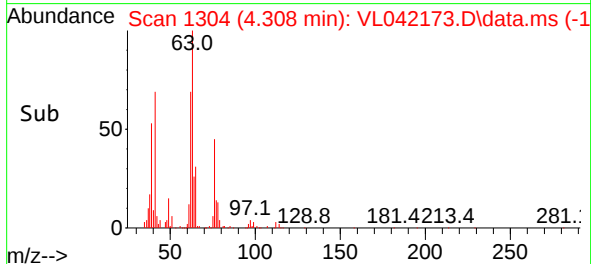
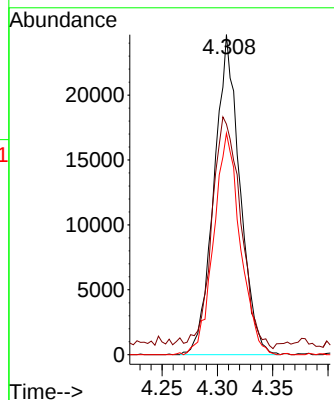
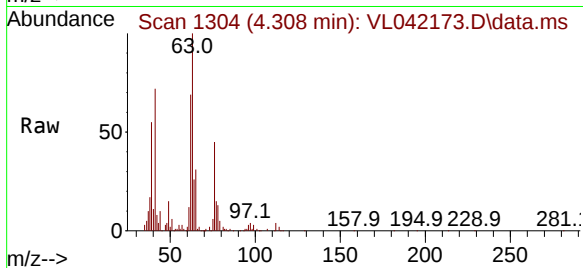
Tgt Ion: 63 Resp: 39912

Ion Ratio Lower Upper

63 100

41 68.6 61.7 92.5

62 69.2 57.6 86.4



#40

1,4-Dioxane

Concen: 1.369 ppbv

RT: 4.587 min Scan# 1390

Delta R.T. 0.009 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion: 88 Resp: 14008

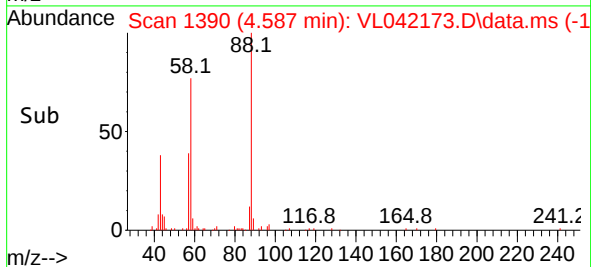
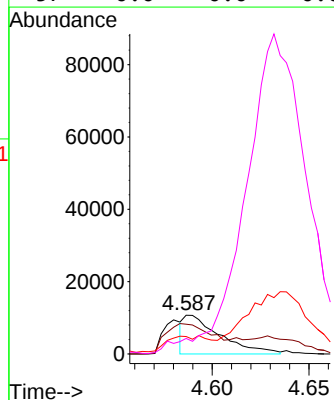
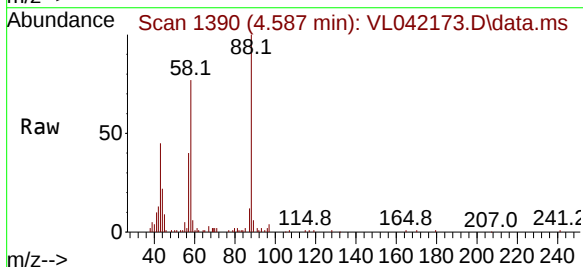
Ion Ratio Lower Upper

88 100

58 178.2 62.7 94.1#

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

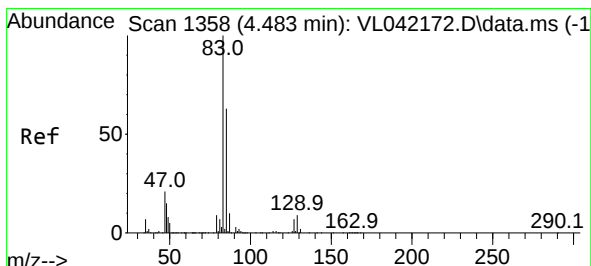
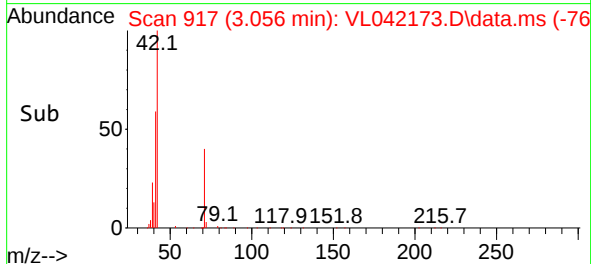
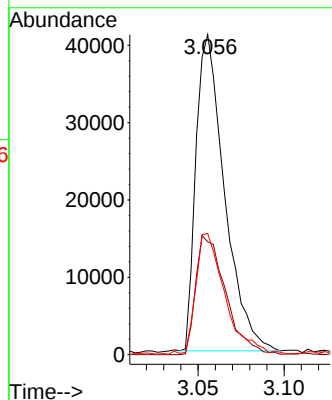
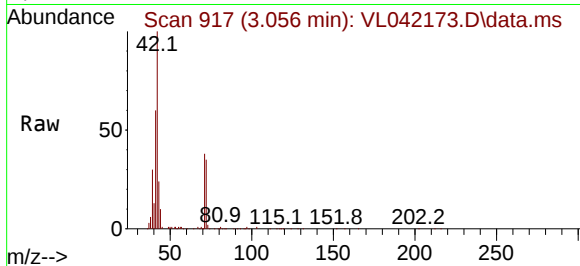




#41
Tetrahydrofuran
Concen: 2.097 ppbv
RT: 3.056 min Scan# 915
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

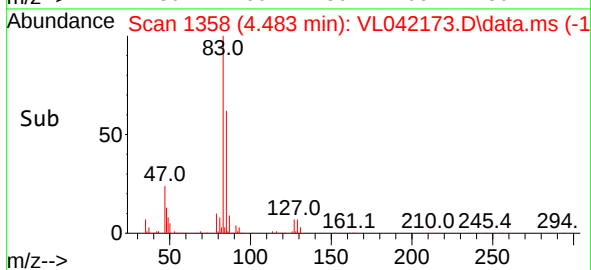
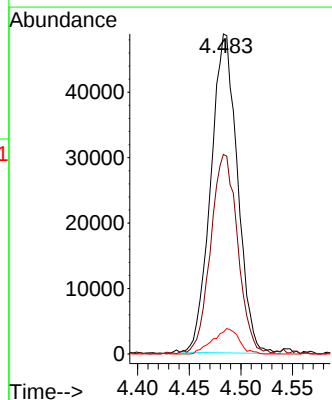
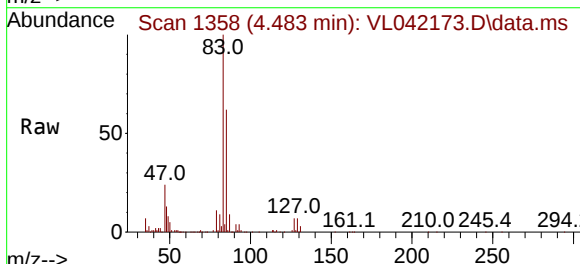
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

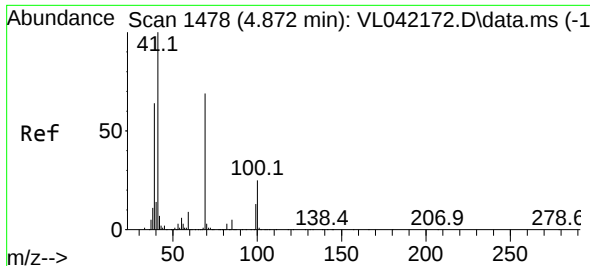
Tgt Ion: 42 Resp: 47262
Ion Ratio Lower Upper
42 100
72 39.6 31.4 47.0
71 39.0 30.2 45.4



#42
Bromodichloromethane
Concen: 2.050 ppbv
RT: 4.483 min Scan# 1358
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 83 Resp: 87640
Ion Ratio Lower Upper
83 100
85 62.2 50.5 75.7
127 6.9 5.9 8.9

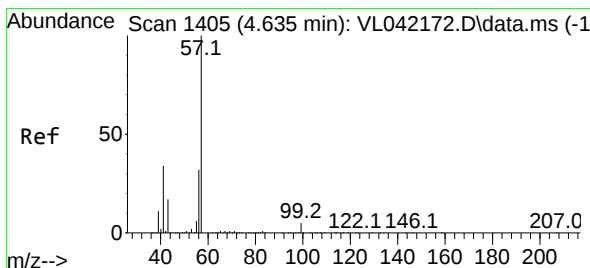
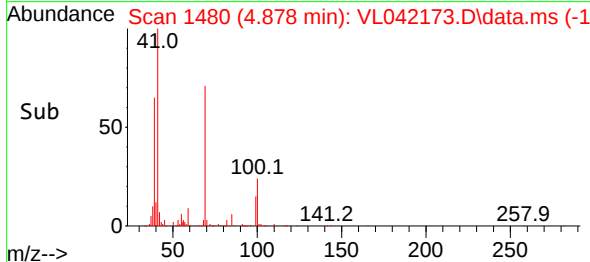
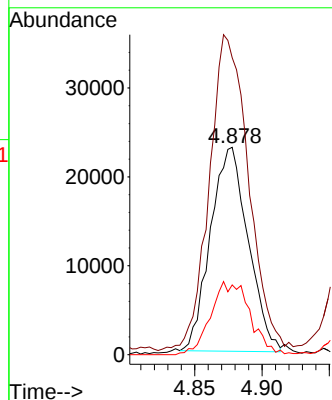
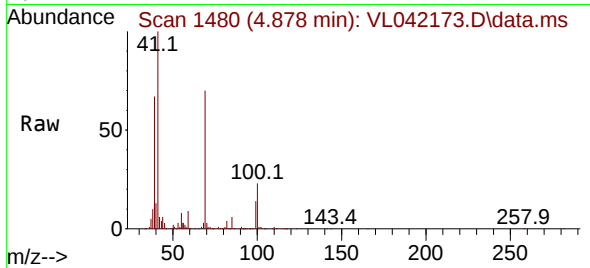




#43
Methyl Methacrylate
Concen: 1.952 ppbv
RT: 4.878 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

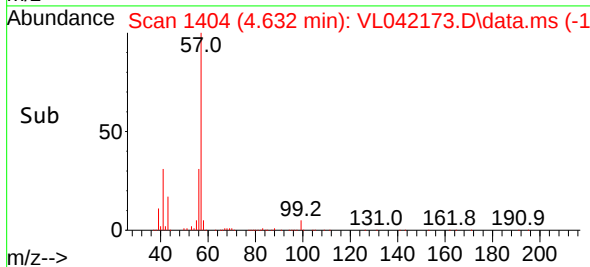
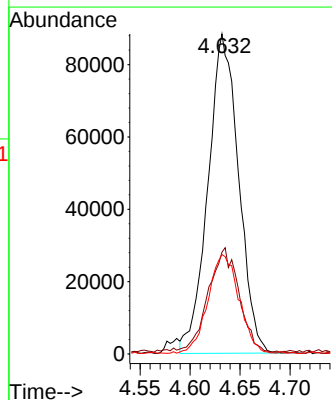
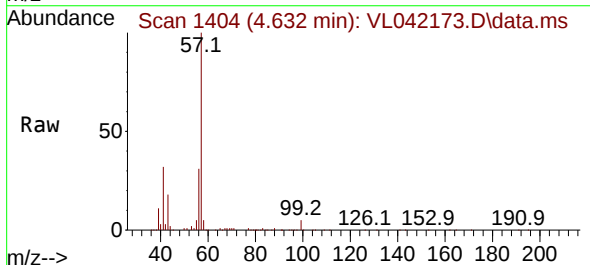
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 69 Resp: 44624
Ion Ratio Lower Upper
69 100
41 158.7 123.8 185.6
100 37.5 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 2.057 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 57 Resp: 188282
Ion Ratio Lower Upper
57 100
41 33.8 26.8 40.2
56 31.8 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 2.011 ppbv

RT: 6.406 min Scan# 1952

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

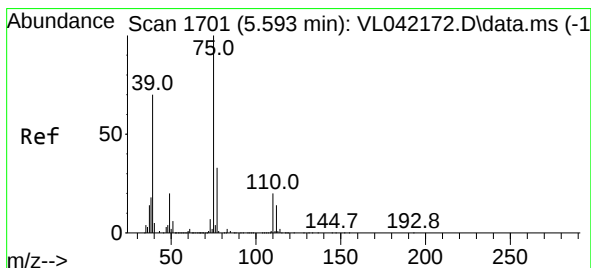
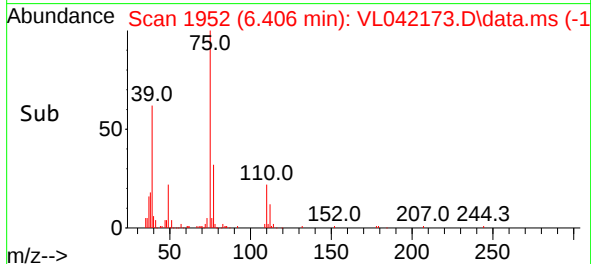
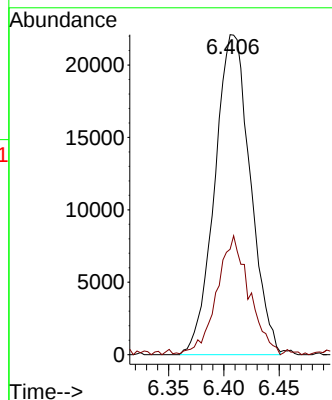
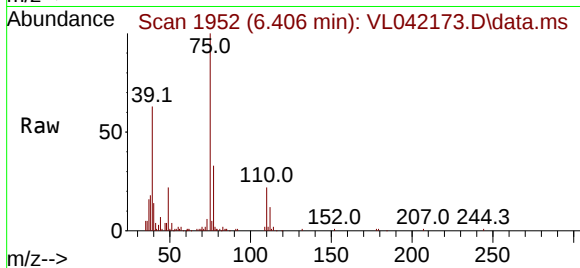
VSTDIC002

Tgt Ion: 75 Resp: 49461

Ion Ratio Lower Upper

75 100

77 32.9 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 2.050 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

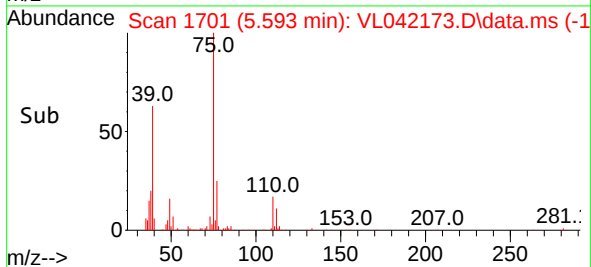
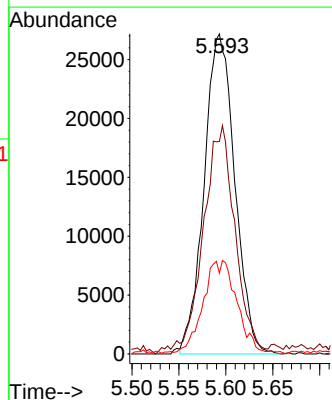
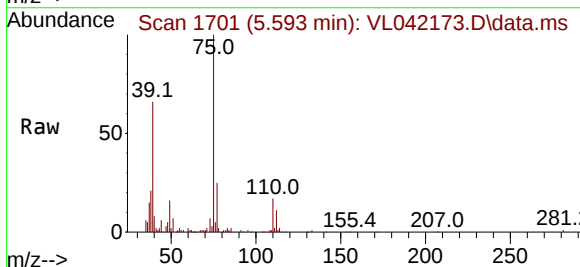
Tgt Ion: 75 Resp: 61829

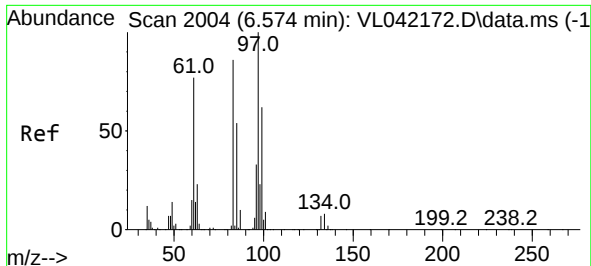
Ion Ratio Lower Upper

75 100

39 64.4 55.8 83.6

77 24.5 26.0 39.0#

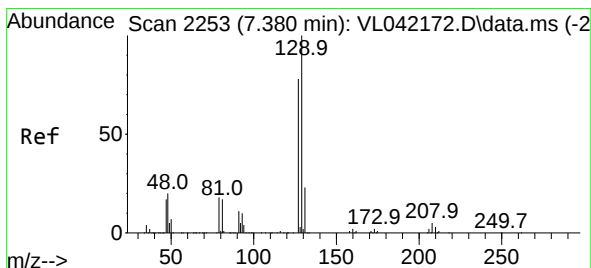
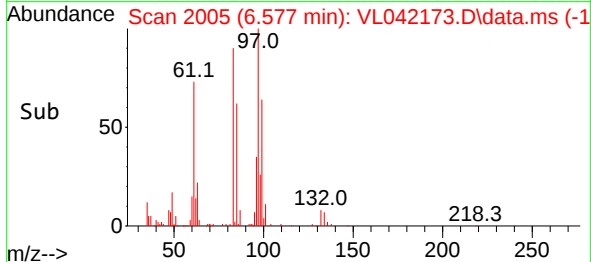
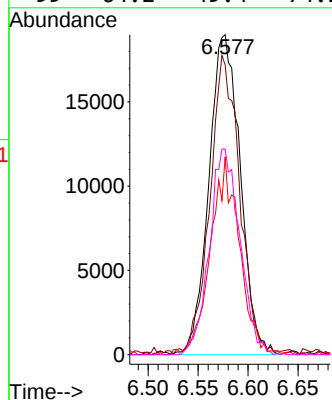
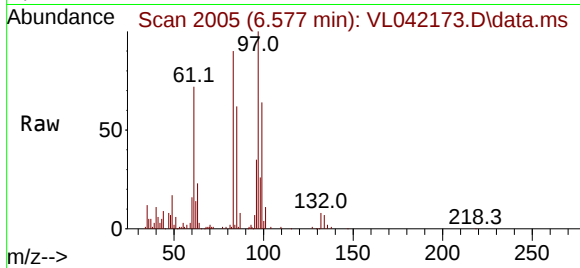




#47
 1,1,2-Trichloroethane
 Concen: 1.985 ppbv
 RT: 6.577 min Scan# 2005
 Delta R.T. 0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

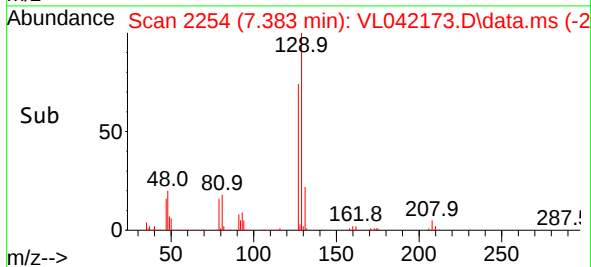
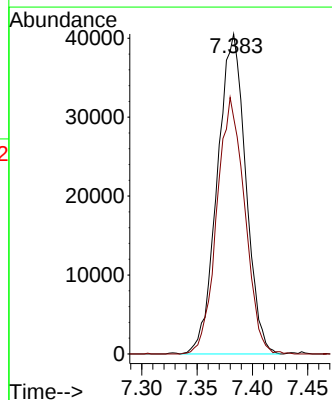
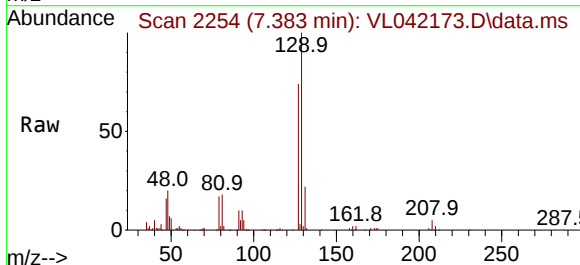
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

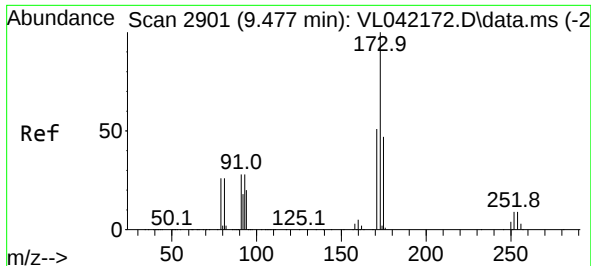
Tgt Ion:	97	Resp:	41387
Ion	Ratio	Lower	Upper
97	100		
83	89.4	69.2	103.8
85	61.3	43.1	64.7
99	64.2	49.4	74.2



#48
 Dibromochloromethane
 Concen: 2.050 ppbv
 RT: 7.383 min Scan# 2254
 Delta R.T. 0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion:	129	Resp:	72441
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2

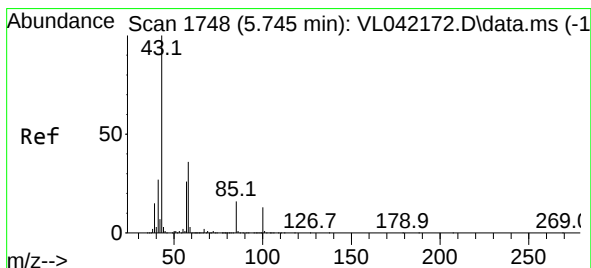
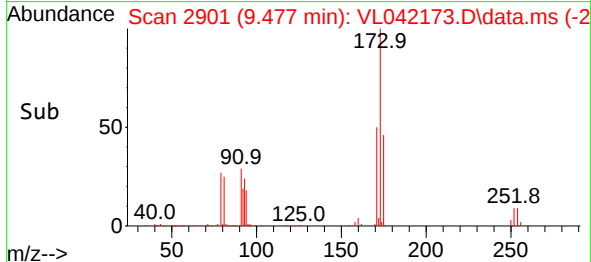
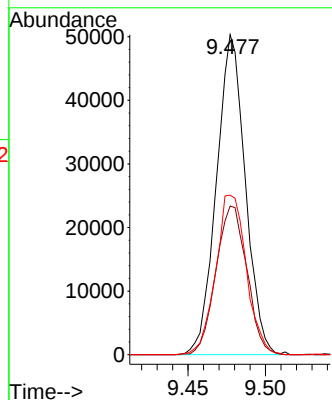
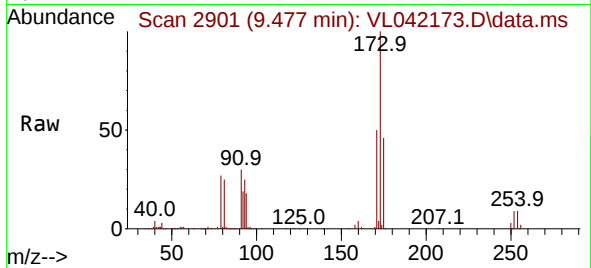




#49
Bromoform
Concen: 2.056 ppbv
RT: 9.477 min Scan# 2901
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

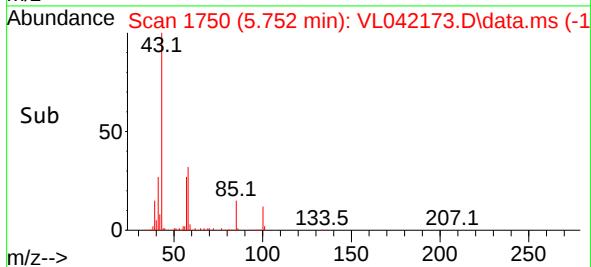
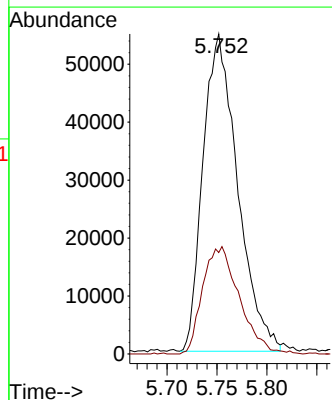
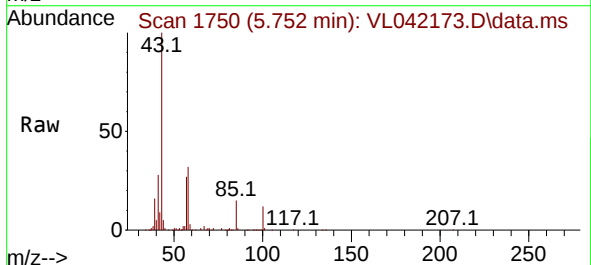
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

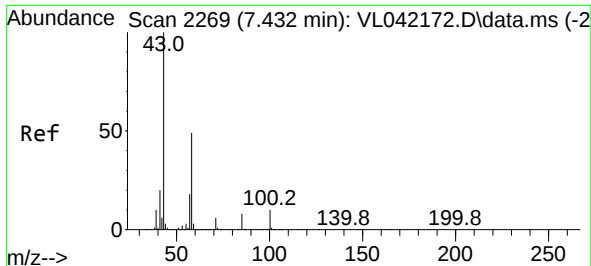
Tgt Ion:173 Resp: 65221
Ion Ratio Lower Upper
173 100
175 49.7 38.6 57.8
171 53.0 41.8 62.6



#50
4-Methyl-2-Pentanone
Concen: 2.107 ppbv
RT: 5.752 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 43 Resp: 132328
Ion Ratio Lower Upper
43 100
58 35.9 29.0 43.6

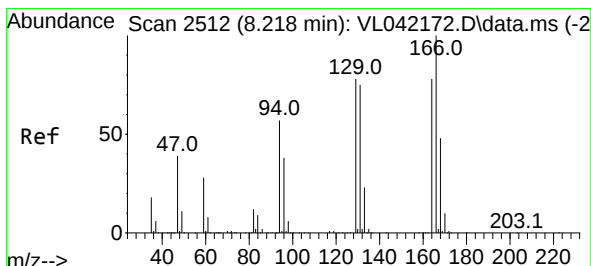
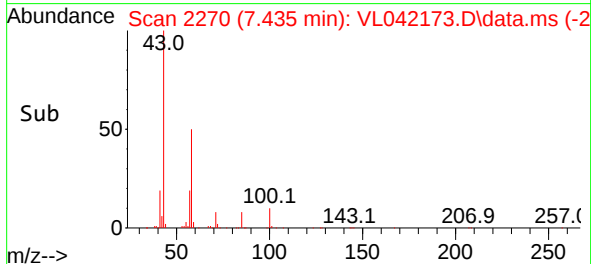
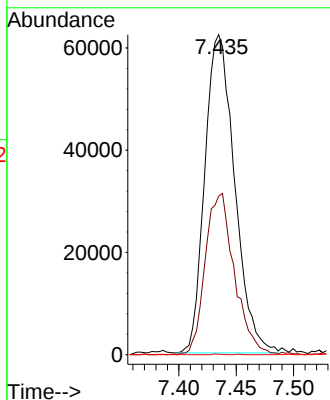
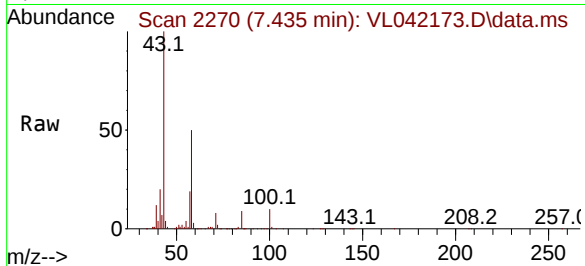




#51
2-Hexanone
Concen: 2.162 ppbv
RT: 7.435 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

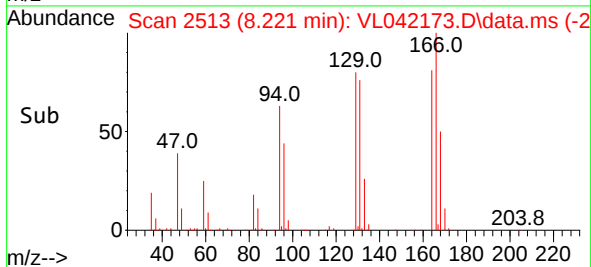
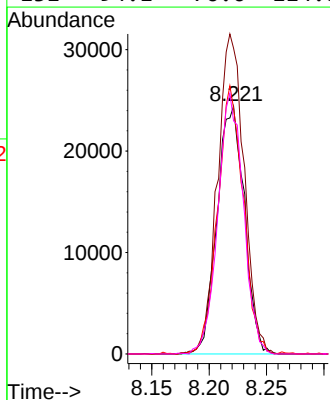
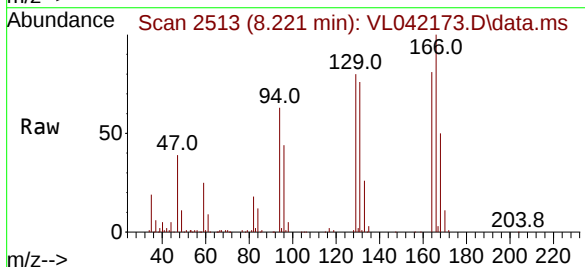
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC002

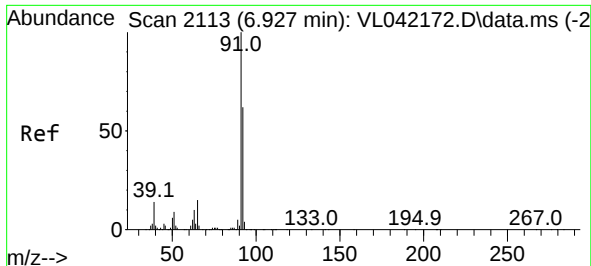
Tgt Ion: 43 Resp: 112681
Ion Ratio Lower Upper
43 100
58 50.0 39.7 59.5
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 1.888 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 164 Resp: 40558
Ion Ratio Lower Upper
164 100
166 123.4 102.5 153.7
129 99.2 79.8 119.8
131 94.1 76.6 114.8

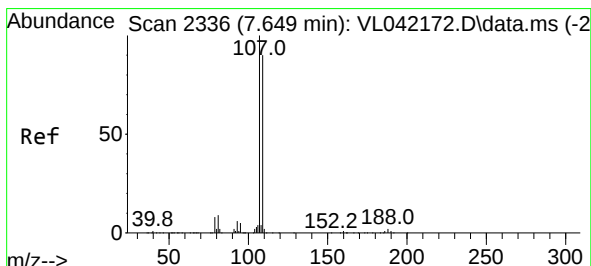
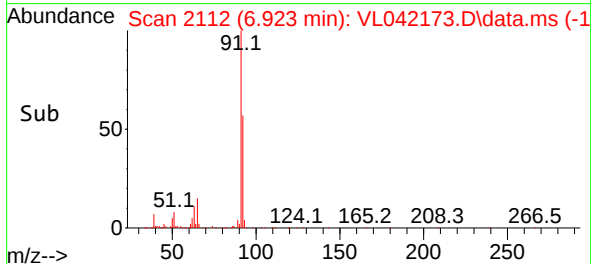
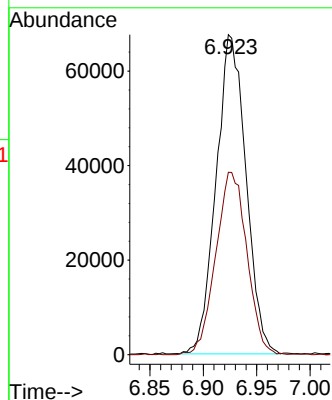
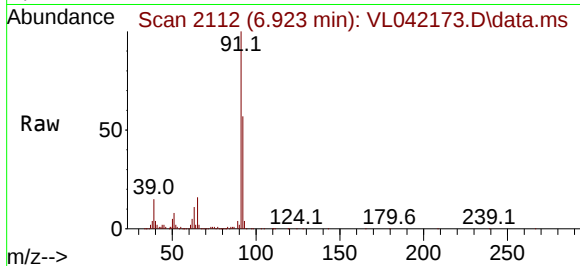




#53
Toluene
Concen: 2.045 ppbv
RT: 6.923 min Scan# 2113
Delta R.T. -0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

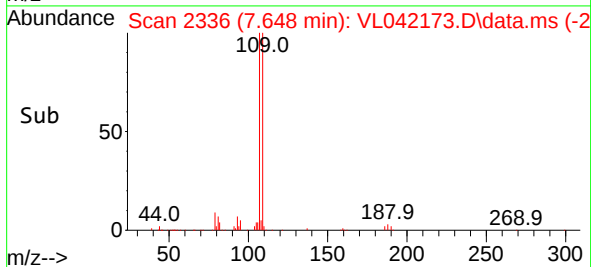
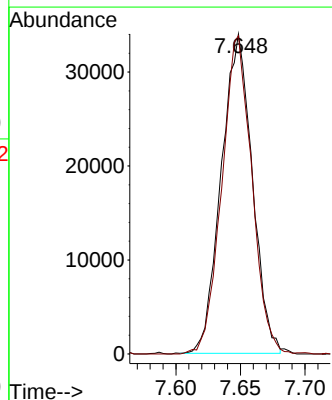
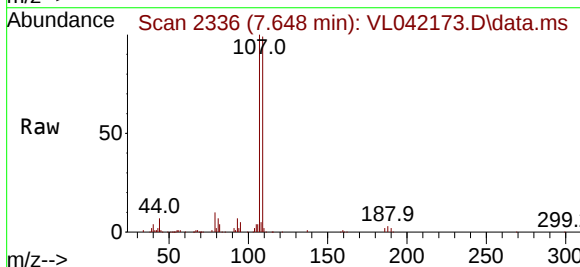
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

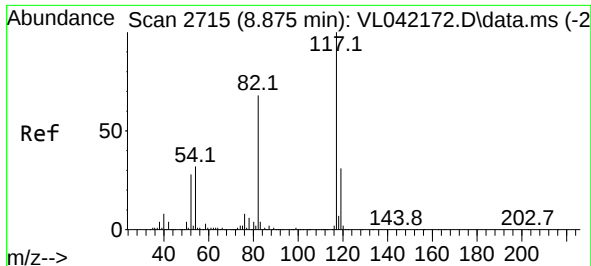
Tgt Ion: 91 Resp: 131314
Ion Ratio Lower Upper
91 100
92 59.6 48.4 72.6



#54
1,2-Dibromoethane
Concen: 1.952 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 107 Resp: 56799
Ion Ratio Lower Upper
107 100
109 99.7 72.2 108.4

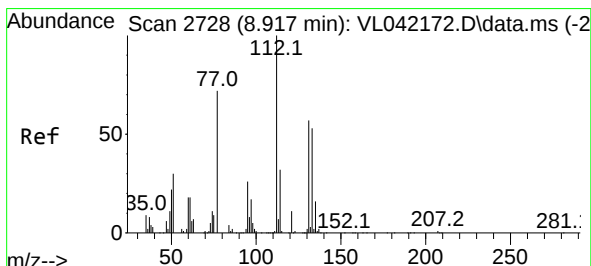
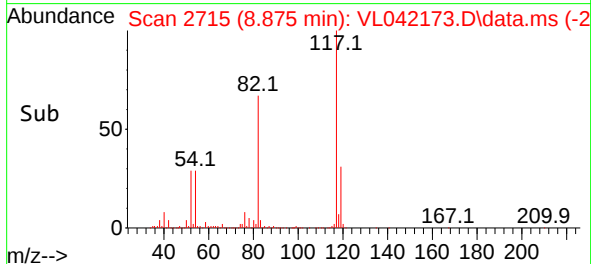
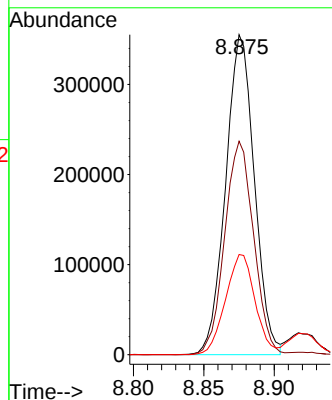
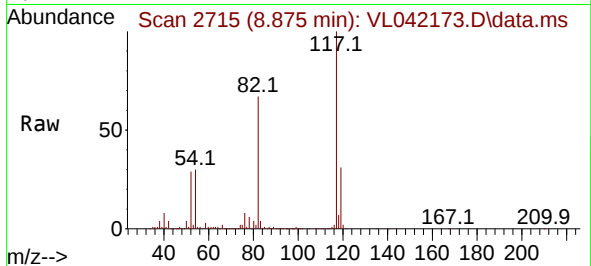




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

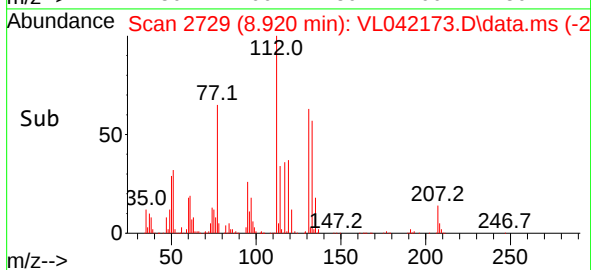
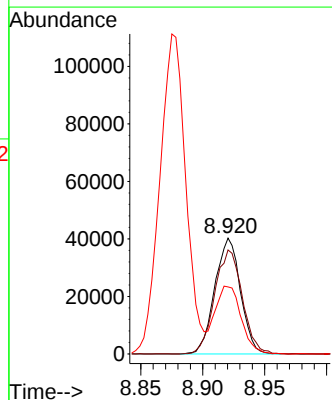
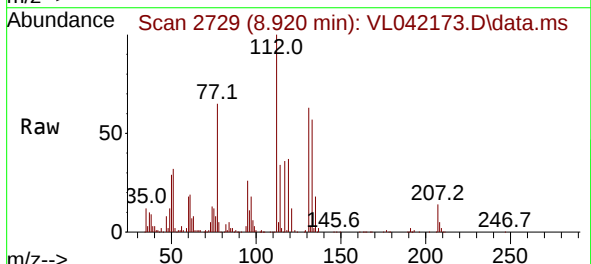
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

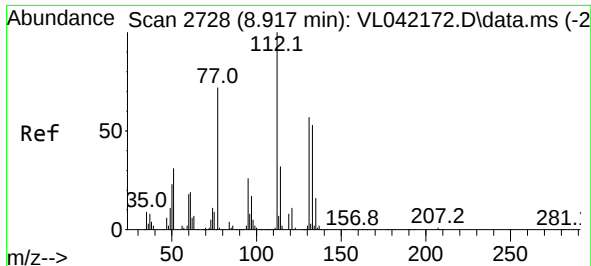
Tgt Ion:117 Resp: 504538
Ion Ratio Lower Upper
117 100
82 68.2 55.8 83.6
119 33.0 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 2.093 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:131 Resp: 58141
Ion Ratio Lower Upper
131 100
133 96.6 76.6 114.8
119 58.3 49.8 74.6





#57

Chlorobenzene

Concen: 2.096 ppbv

RT: 8.914 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC002

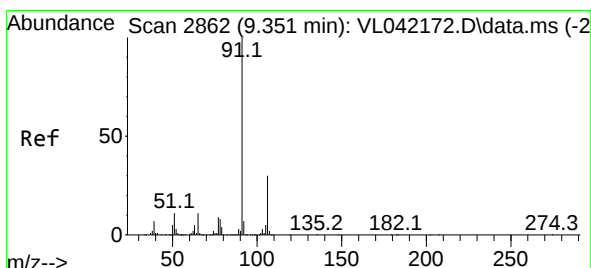
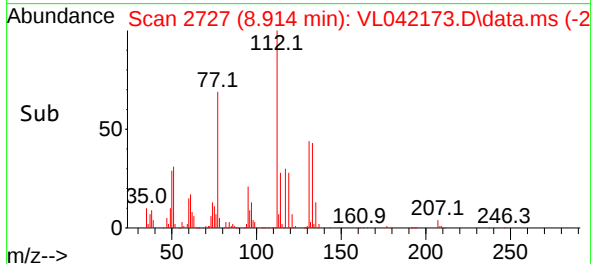
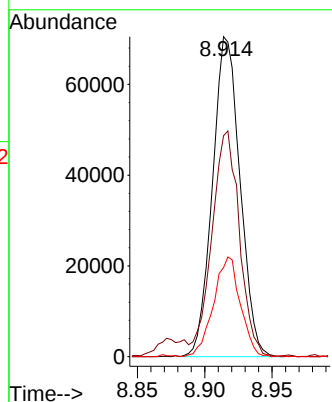
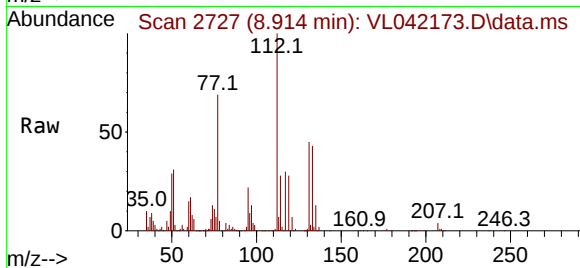
Tgt Ion:112 Resp: 100308

Ion Ratio Lower Upper

112 100

77 68.8 58.2 87.2

114 27.8 29.1 35.5#



#58

Ethyl Benzene

Concen: 2.132 ppbv

RT: 9.351 min Scan# 2862

Delta R.T. -0.000 min

Lab File: VL042173.D

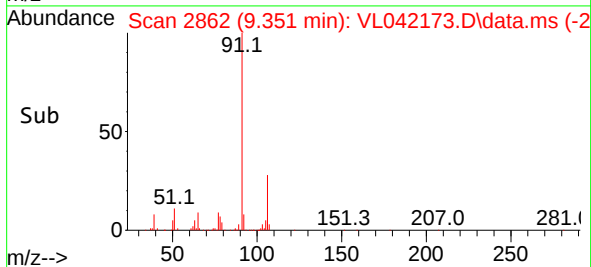
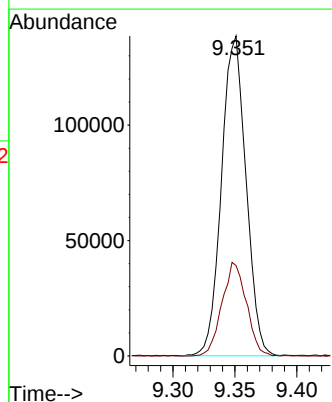
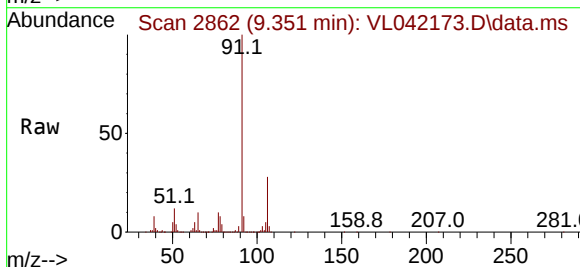
Acq: 27 Mar 2025 08:59

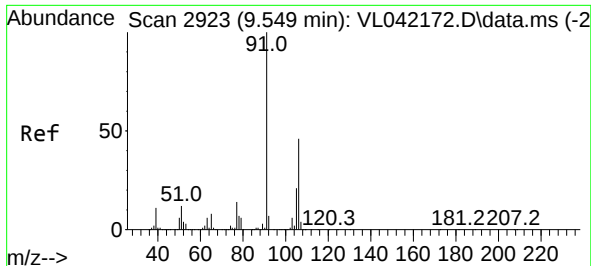
Tgt Ion: 91 Resp: 191114

Ion Ratio Lower Upper

91 100

106 28.3 24.2 36.2

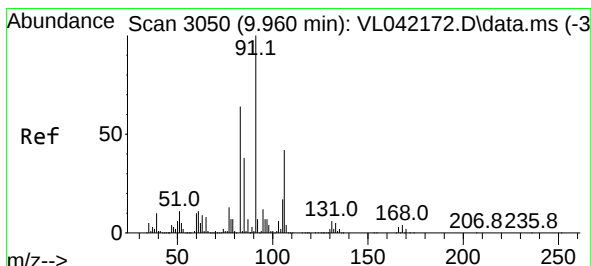
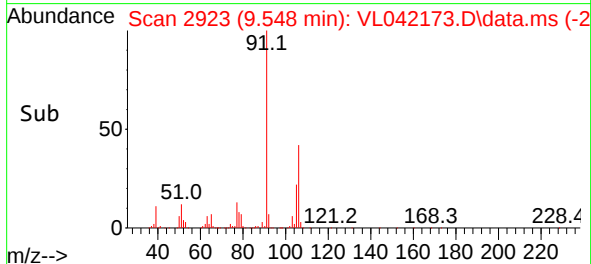
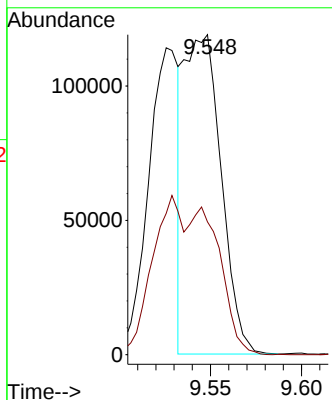
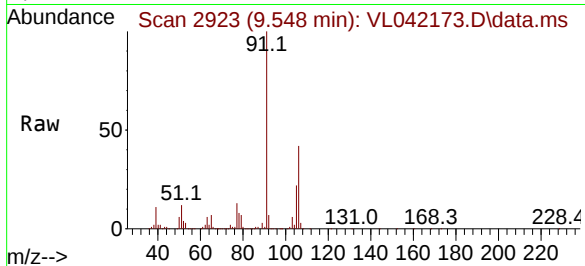




#59
m/p-Xylene
Concen: 2.333 ppbv
RT: 9.548 min Scan# 2923
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

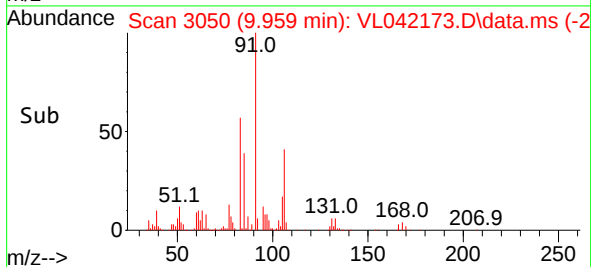
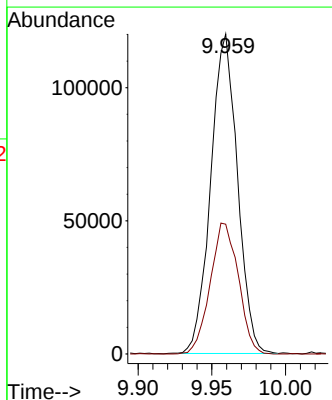
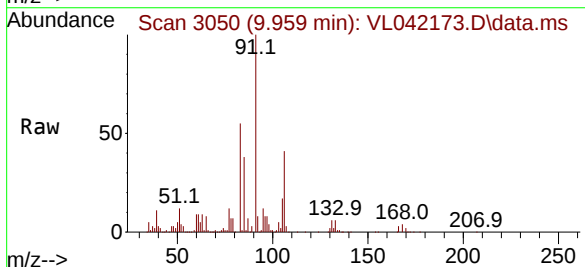
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

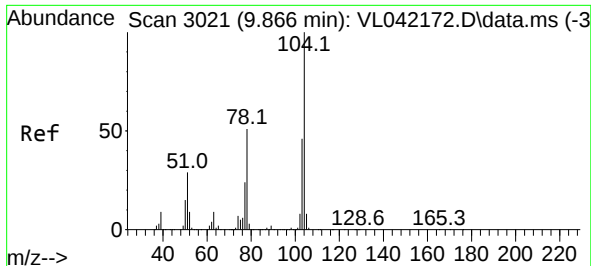
Tgt Ion: 91 Resp: 167182
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#



#60
o-Xylene
Concen: 2.109 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 151292
Ion Ratio Lower Upper
91 100
106 43.2 20.8 62.5





#61

Styrene

Concen: 2.089 ppbv

RT: 9.865 min Scan# 3021

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

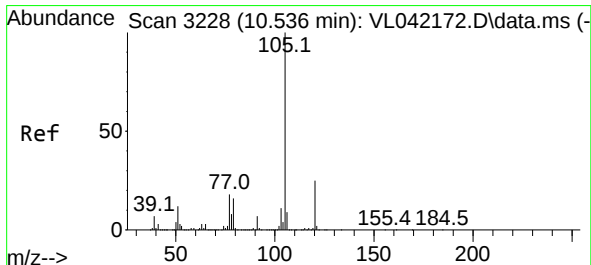
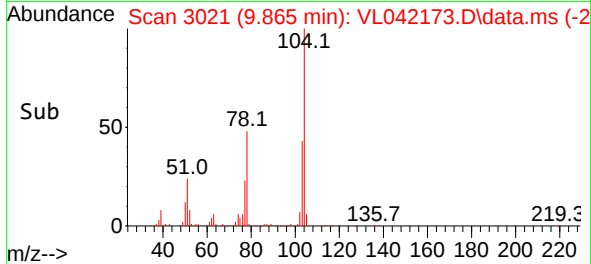
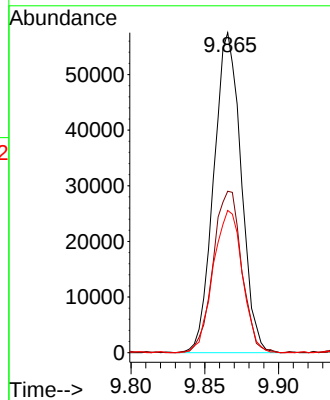
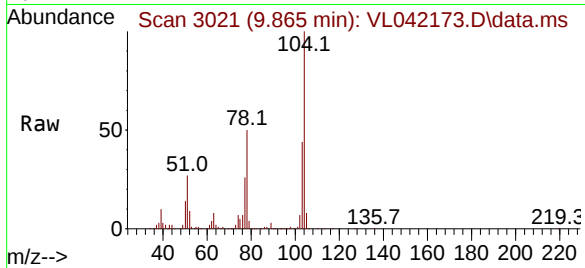
Tgt Ion:104 Resp: 74134

Ion Ratio Lower Upper

104 100

78 52.8 41.8 62.6

103 47.8 37.0 55.4



#62

Isopropylbenzene

Concen: 2.127 ppbv

RT: 10.535 min Scan# 3228

Delta R.T. -0.000 min

Lab File: VL042173.D

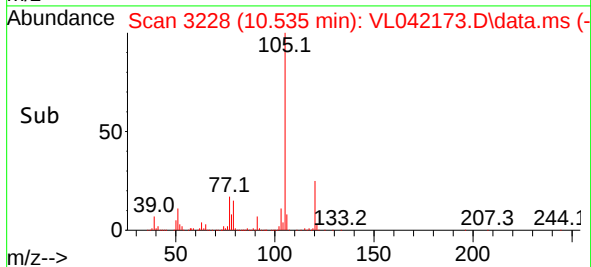
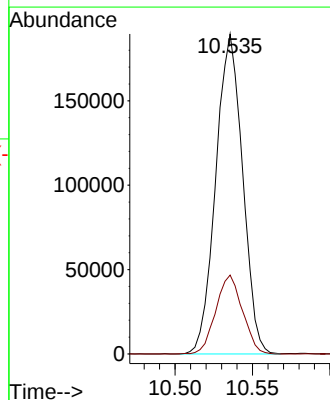
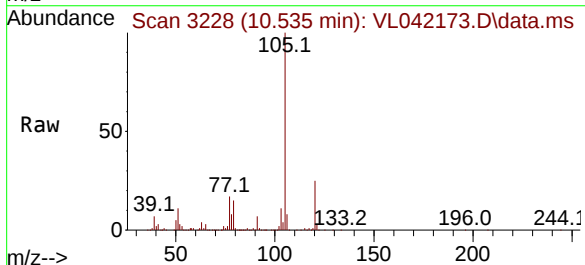
Acq: 27 Mar 2025 08:59

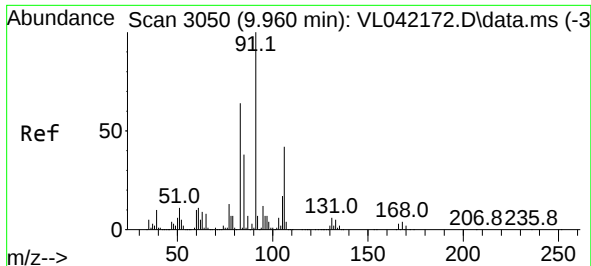
Tgt Ion:105 Resp: 228191

Ion Ratio Lower Upper

105 100

120 24.4 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 2.067 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

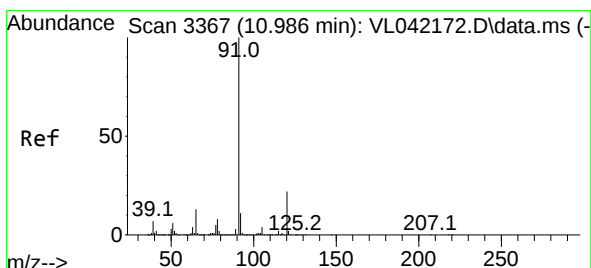
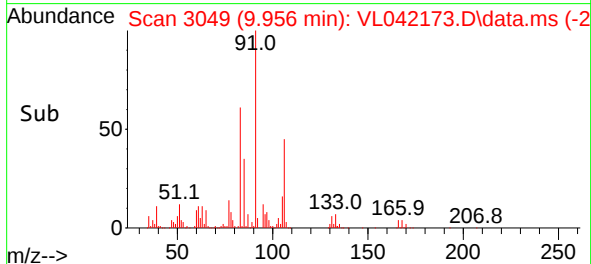
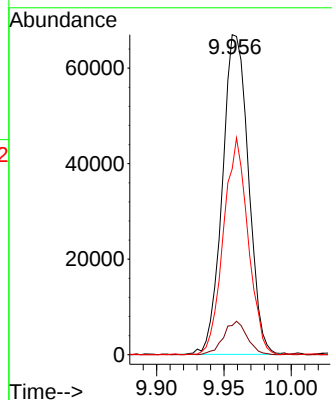
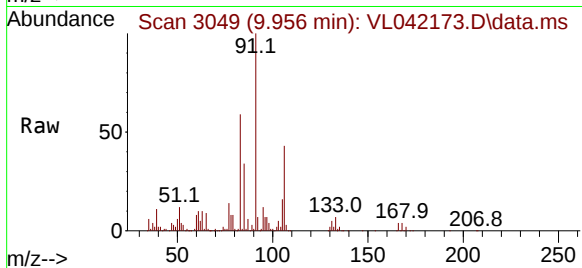
Tgt Ion: 83 Resp: 90114

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

85 64.4 32.5 97.5



#64

n-propylbenzene

Concen: 2.104 ppbv

RT: 10.985 min Scan# 3367

Delta R.T. -0.000 min

Lab File: VL042173.D

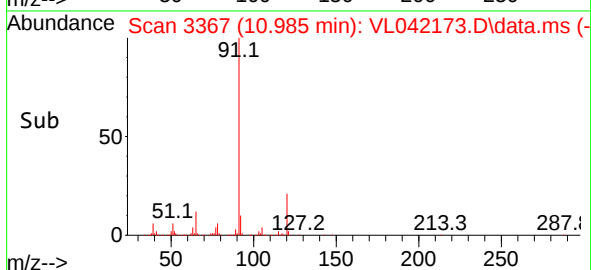
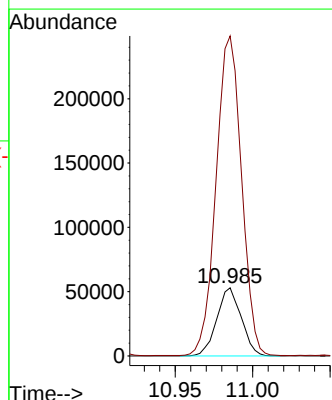
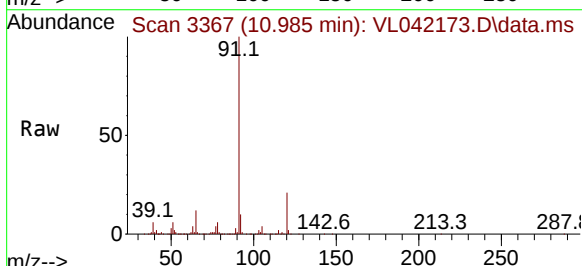
Acq: 27 Mar 2025 08:59

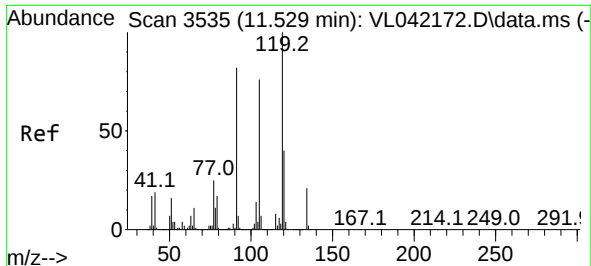
Tgt Ion:120 Resp: 58105

Ion Ratio Lower Upper

120 100

91 491.1 376.9 565.3

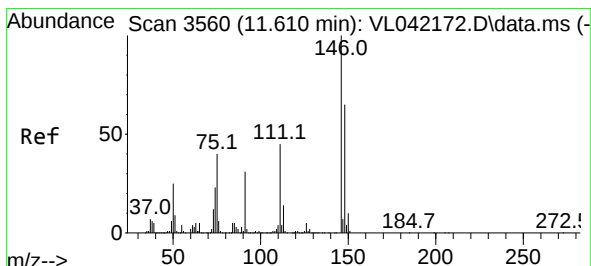
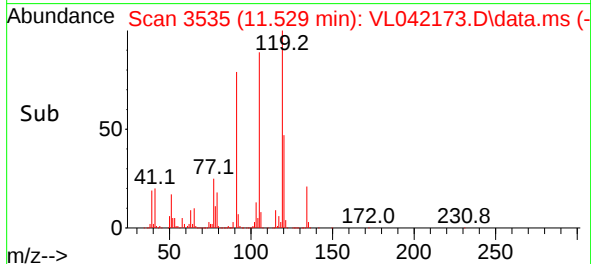
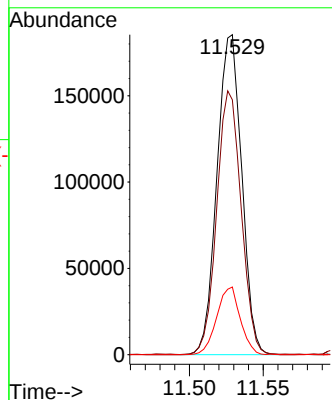
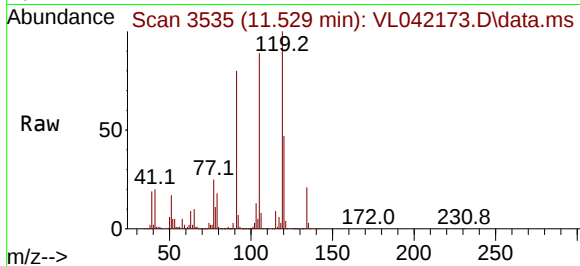




#65
 tert-Butylbenzene
 Concen: 2.180 ppbv
 RT: 11.529 min Scan# 3535
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

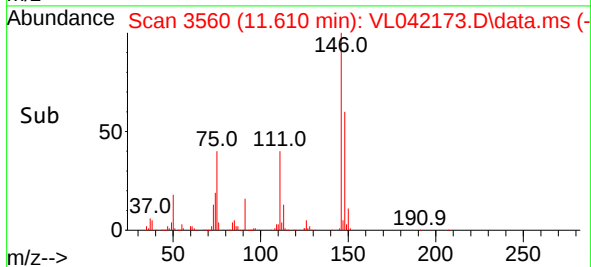
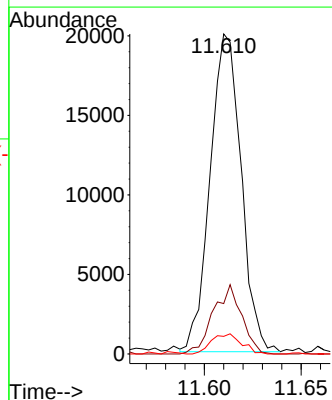
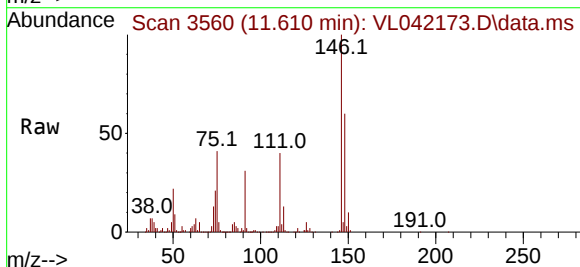
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

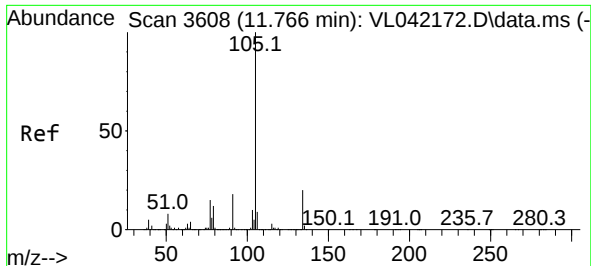
Tgt Ion:119 Resp: 216336
 Ion Ratio Lower Upper
 119 100
 91 81.5 66.0 99.0
 134 20.2 16.7 25.1



#66
 Benzyl Chloride
 Concen: 2.116 ppbv
 RT: 11.610 min Scan# 3560
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 22272
 Ion Ratio Lower Upper
 91 100
 126 20.0 13.8 20.6
 128 6.5 4.5 6.7





#67

sec-Butylbenzene

Concen: 2.156 ppbv

RT: 11.762 min Scan# 3608

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

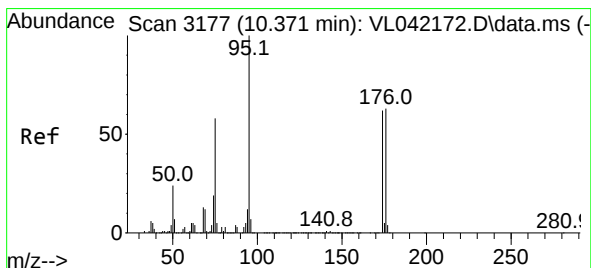
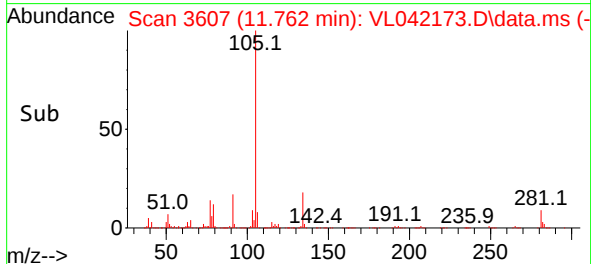
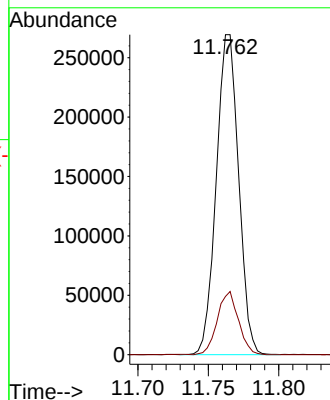
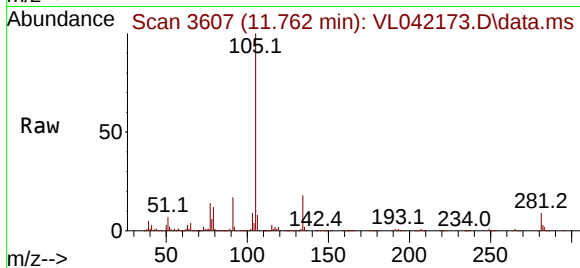
VSTDIC002

Tgt Ion:105 Resp: 297381

Ion Ratio Lower Upper

105 100

134 18.8 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.077 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

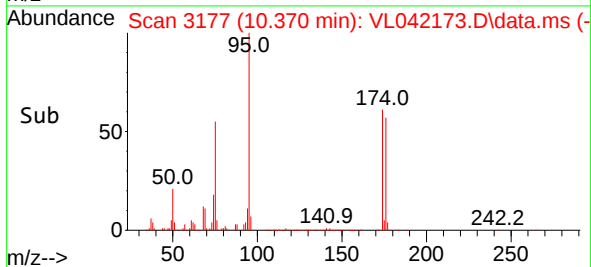
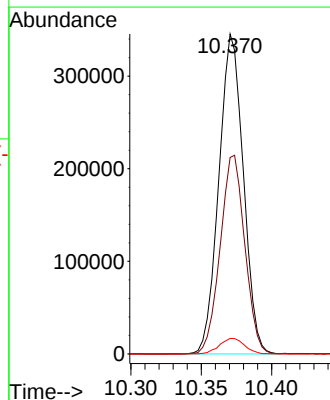
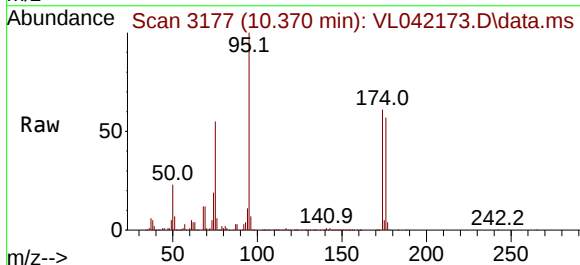
Tgt Ion: 95 Resp: 417532

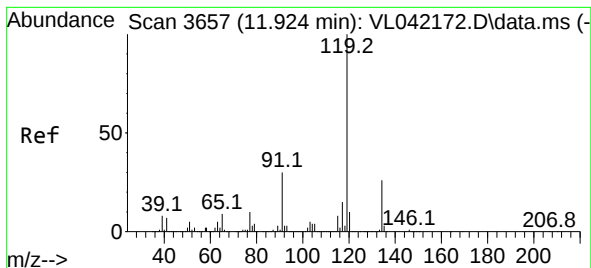
Ion Ratio Lower Upper

95 100

174 62.6 50.6 76.0

175 5.0 3.8 5.6

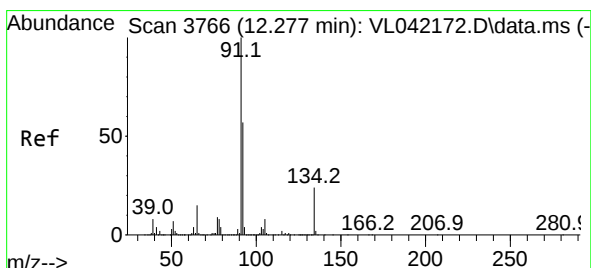
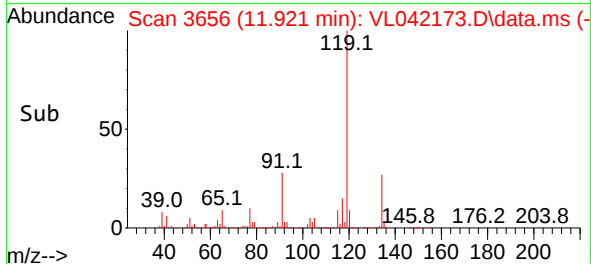
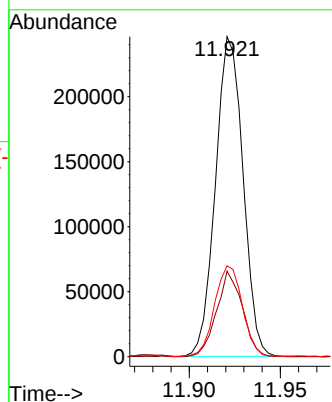
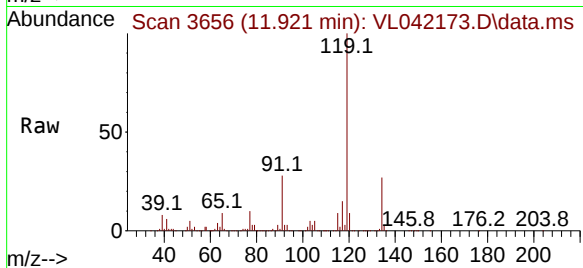




#69
 p-Isopropyltoluene
 Concen: 2.176 ppbv
 RT: 11.921 min Scan# 3656
 Delta R.T. -0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

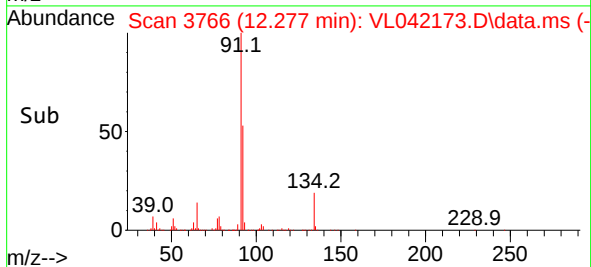
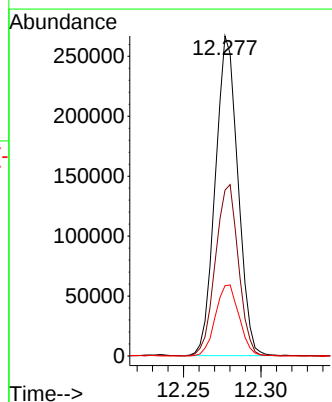
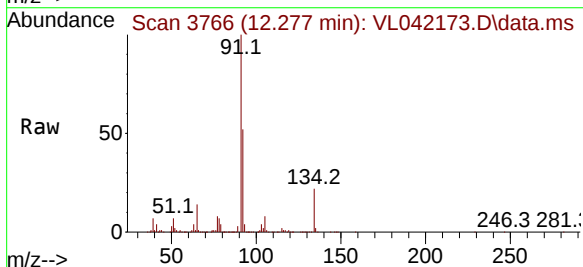
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

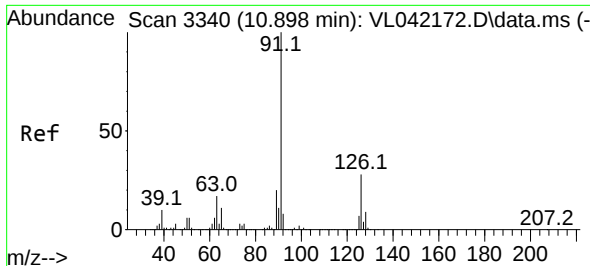
Tgt Ion:119 Resp: 258357
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.4 30.6
 91 29.5 23.7 35.5



#70
 n-Butylbenzene
 Concen: 2.228 ppbv
 RT: 12.277 min Scan# 3766
 Delta R.T. -0.000 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Tgt Ion: 91 Resp: 270616
 Ion Ratio Lower Upper
 91 100
 92 55.1 44.9 67.3
 134 23.3 19.2 28.8

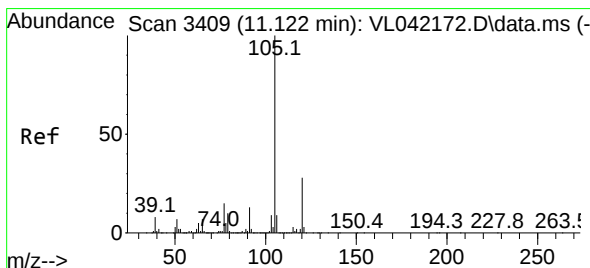
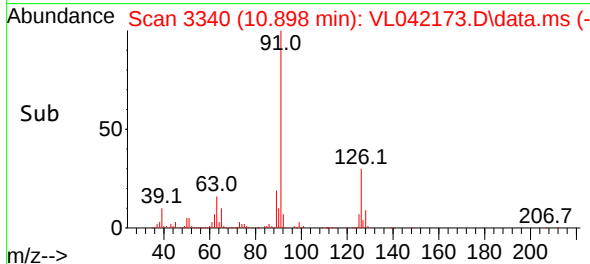
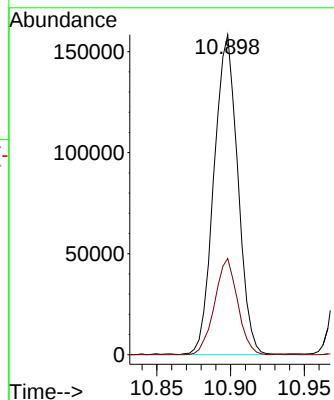
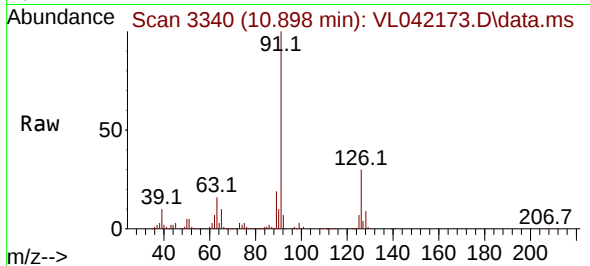




#71
2-Chlorotoluene
Concen: 2.132 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

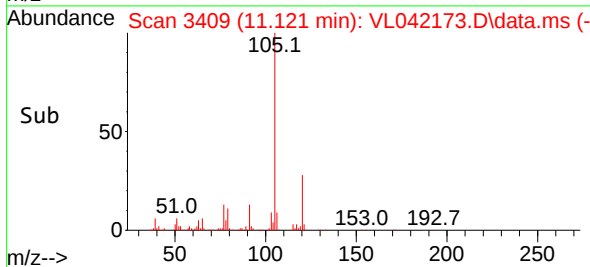
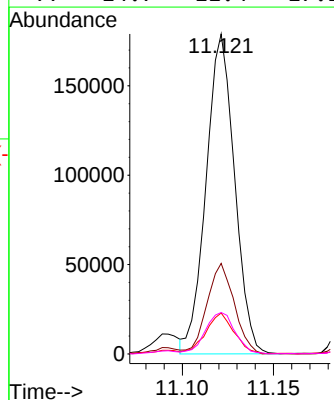
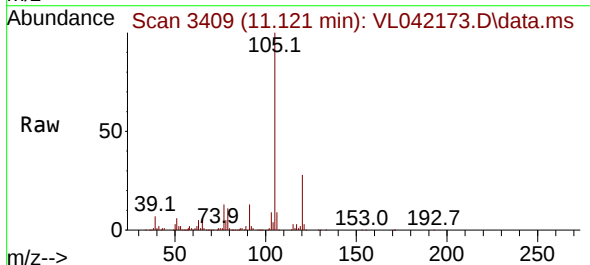
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

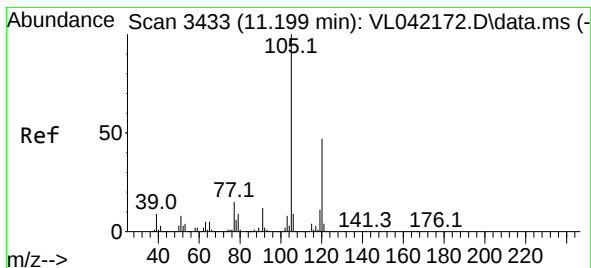
Tgt Ion: 91 Resp: 177487
Ion Ratio Lower Upper
91 100
126 29.2 11.6 46.4



#72
4-Ethyltoluene
Concen: 2.179 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion: 105 Resp: 194660
Ion Ratio Lower Upper
105 100
120 29.1 23.4 35.0
91 13.7 10.3 15.5
77 14.7 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 2.169 ppbv

RT: 11.199 min Scan# 3433

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_1

ClientSampleId :

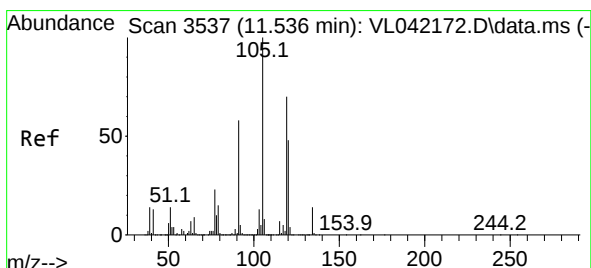
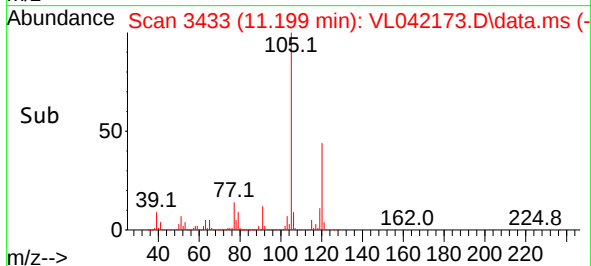
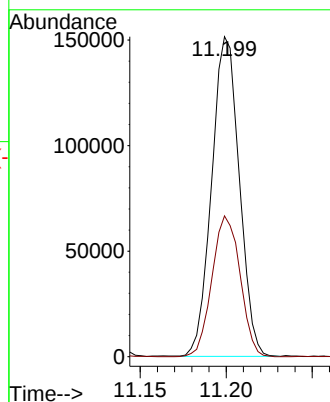
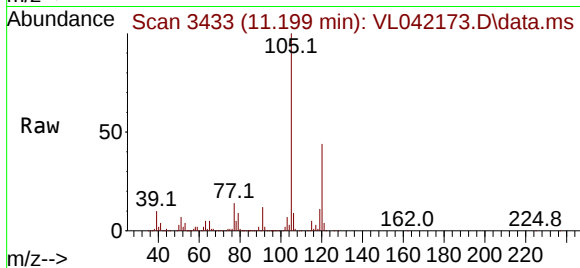
VSTDIC002

Tgt Ion:105 Resp: 169221

Ion Ratio Lower Upper

105 100

120 44.0 37.4 56.0



#74

1,2,4-Trimethylbenzene

Concen: 2.207 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.003 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Tgt Ion:105 Resp: 198351

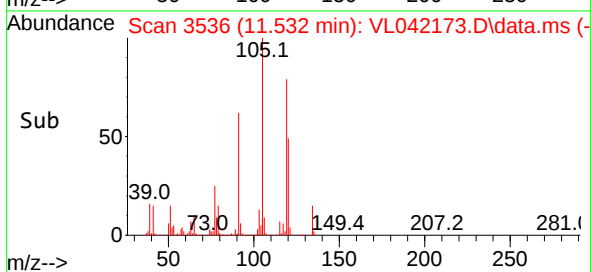
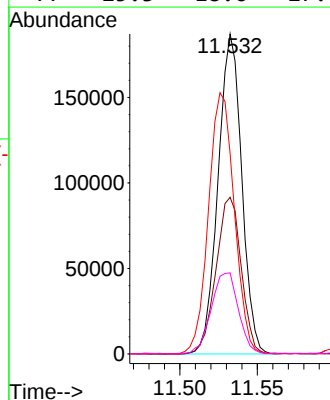
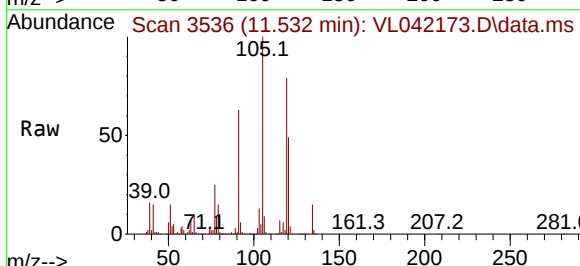
Ion Ratio Lower Upper

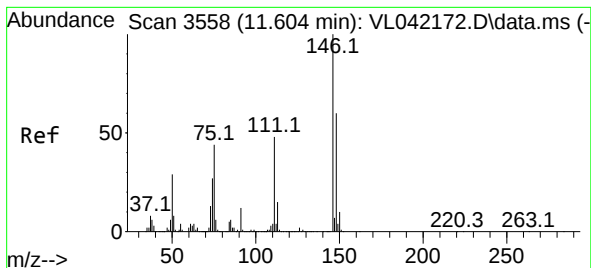
105 100

120 49.0 38.6 58.0

91 62.4 46.2 69.2

77 25.3 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 2.175 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

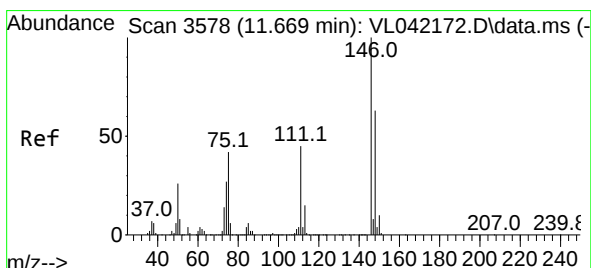
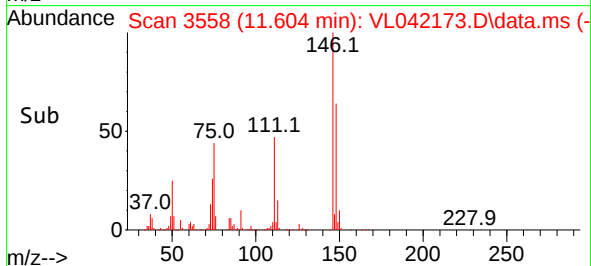
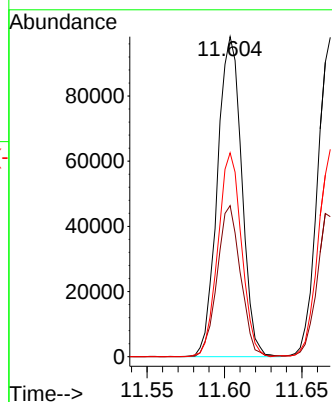
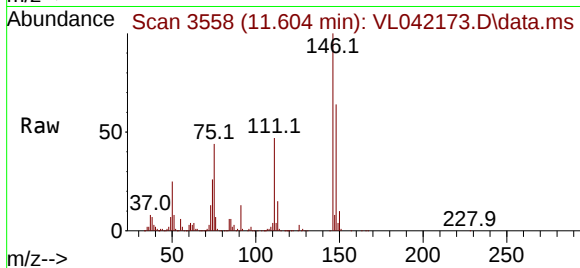
Tgt Ion:146 Resp: 107217

Ion Ratio Lower Upper

146 100

111 45.5 23.8 71.2

148 61.6 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 2.139 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

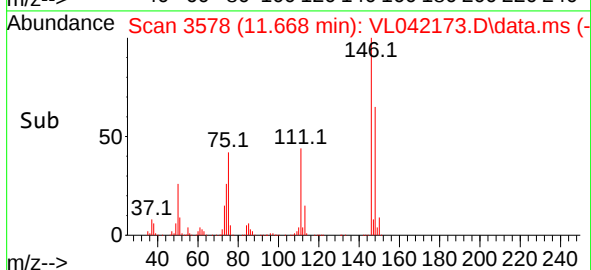
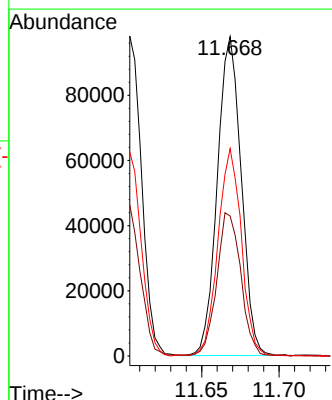
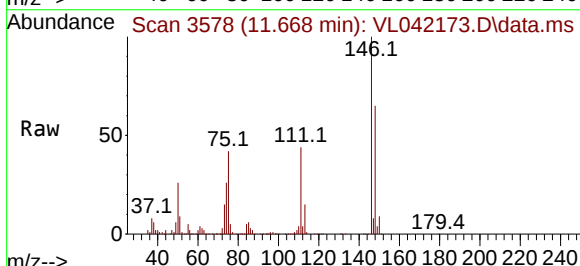
Tgt Ion:146 Resp: 104925

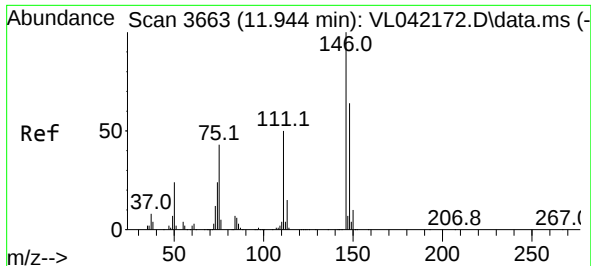
Ion Ratio Lower Upper

146 100

111 45.3 23.0 69.0

148 64.0 31.9 95.7

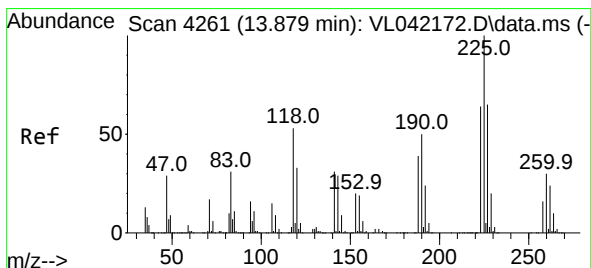
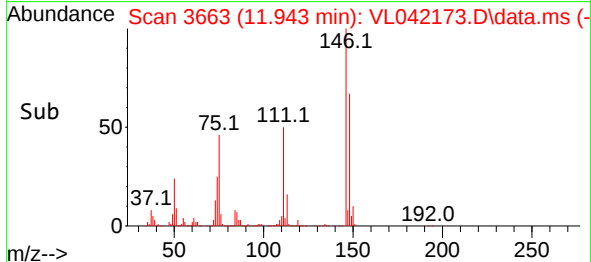
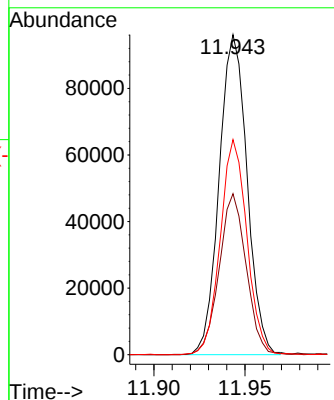
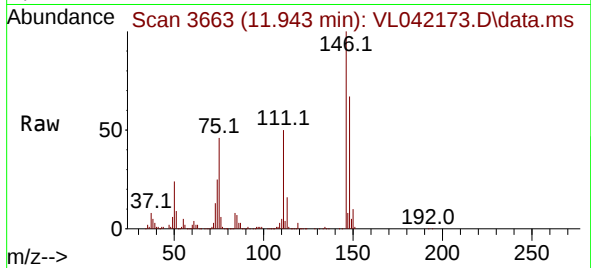




#77
1,2-Dichlorobenzene
Concen: 2.132 ppbv
RT: 11.943 min Scan# 3663
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

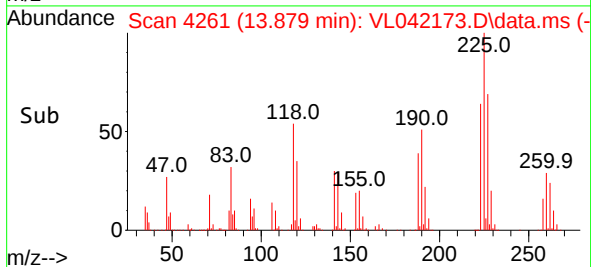
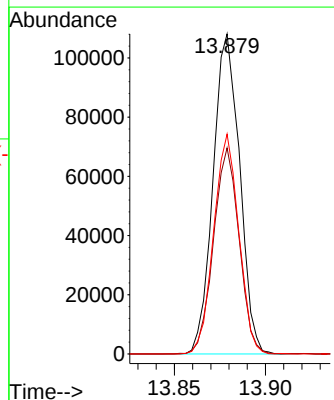
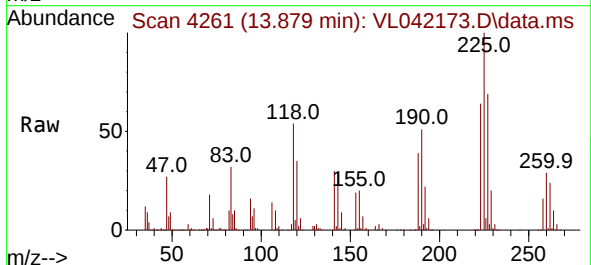
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

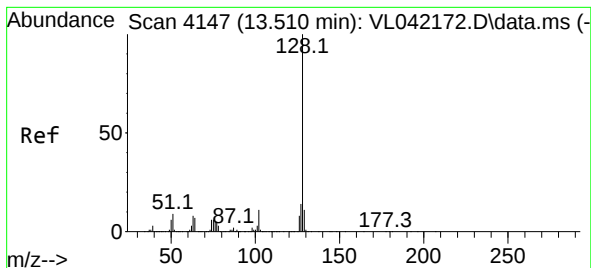
Tgt Ion:146 Resp: 102310
Ion Ratio Lower Upper
146 100
111 48.8 24.8 74.3
148 64.6 31.6 94.8



#78
Hexachloro-1,3-Butadiene
Concen: 2.242 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.000 min
Lab File: VL042173.D
Acq: 27 Mar 2025 08:59

Tgt Ion:225 Resp: 109539
Ion Ratio Lower Upper
225 100
223 62.2 50.6 76.0
227 64.9 51.2 76.8





#79

Naphthalene

Concen: 2.375 ppbv

RT: 13.510 min Scan# 4147

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC002

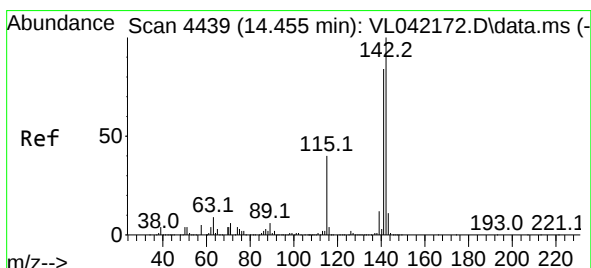
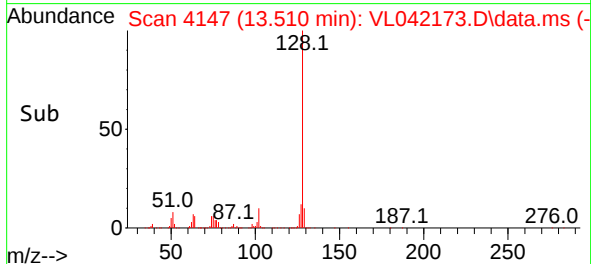
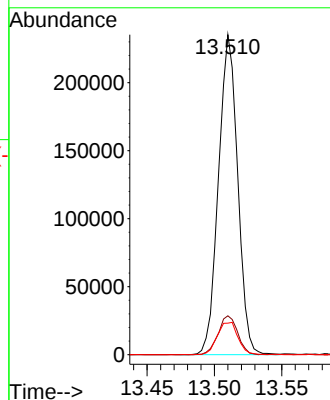
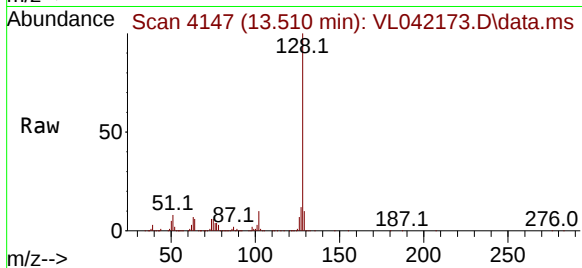
Tgt Ion:128 Resp: 233451

Ion Ratio Lower Upper

128 100

127 12.1 10.8 16.2

129 9.9 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 2.451 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.000 min

Lab File: VL042173.D

Acq: 27 Mar 2025 08:59

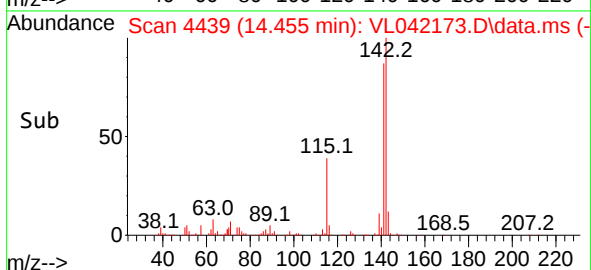
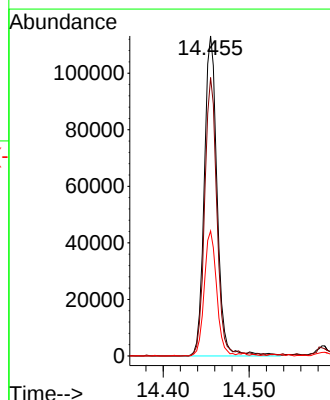
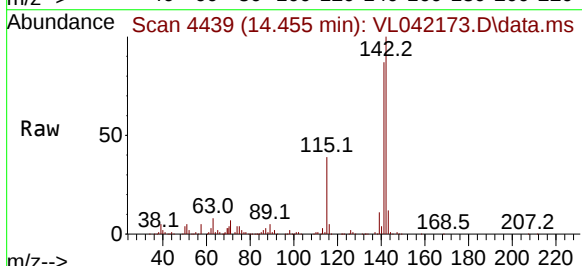
Tgt Ion:142 Resp: 117313

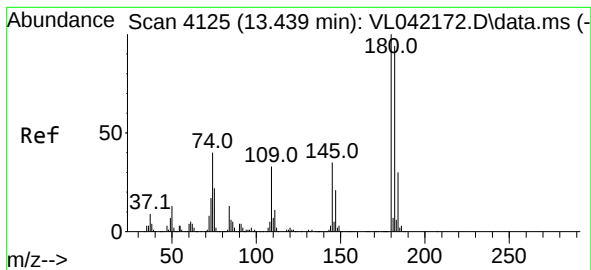
Ion Ratio Lower Upper

142 100

141 83.5 66.3 99.5

115 38.5 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 2.288 ppbv
 RT: 13.435 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL042173.D
 Acq: 27 Mar 2025 08:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 103765
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.1 112.7
 184 29.6 24.4 36.6

