

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042174.D
 Acq On : 27 Mar 2025 09:30
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Quant Time: Mar 28 01:33:49 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	186244	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	537244	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	499830	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	404753	9.861	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	28203	1.026	ppbv	99
3) Chlorodifluoromethane	1.473	51	28693	1.021	ppbv	94
4) Chloromethane	1.531	50	11111	0.989	ppbv	99
5) Vinyl Chloride	1.577	62	10723	0.936	ppbv	98
6) Bromomethane	1.667	94	4984	0.979	ppbv	97
7) Chloroethane	1.703	64	4622	1.025	ppbv	100
8) Dichlorotetrafluoroethane	1.554	85	23886	1.020	ppbv	98
9) Propene	1.884	41	1465	0.116	ppbv	99
10) Heptane	4.975	43	36132	1.055	ppbv	100
11) Trichlorofluoromethane	1.875	101	27136	1.014	ppbv	96
12) 1,1,2-Trichlorotrifluo...	2.137	101	22629	1.029	ppbv	99
13) Ethanol	1.719	45	935	0.943	ppbv #	1
14) Bromoethene	1.781	108	8330	0.989	ppbv #	82
15) Acetone	1.836	43	29294	1.125	ppbv	95
16) 1,3-Butadiene	1.606	39	13133	1.121	ppbv	97
17) tert-Butyl alcohol	2.040	59	33500	1.033	ppbv	97
18) 1,1-Dichloroethene	2.033	96	10532	1.024	ppbv	89
19) Isopropyl Alcohol	1.884	45	14903	1.014	ppbv #	38
20) Methylene Chloride	2.059	84	10481	1.080	ppbv	93
21) Allyl Chloride	2.095	41	19039	1.036	ppbv	99
22) trans-1,2-Dichloroethene	2.033	96	10532	0.877	ppbv	86
23) Vinyl Acetate	2.464	43	10644	0.983	ppbv #	85
24) 1,1-Dichloroethane	2.409	63	22505	1.022	ppbv	99
25) Ethyl Acetate	2.836	43	67402	0.997	ppbv #	96
26) Hexane	2.823	57	27223	1.043	ppbv	98
27) Carbon Disulfide	2.146	76	28167	1.006	ppbv #	47
28) Methyl tert-Butyl Ether	2.441	73	16501	1.015	ppbv	95
29) Chloroform	2.845	83	38516	1.008	ppbv	96
30) Cyclohexane	3.852	84	23052	1.016	ppbv	97
31) cis-1,2-Dichloroethene	2.716	61	27187	1.026	ppbv	89
32) 1,1,1-Trichloroethane	3.363	97	40993	0.938	ppbv	99
34) 2-Butanone	2.557	43	41423	1.063	ppbv	98
35) Carbon Tetrachloride	3.758	117	39345	0.952	ppbv	93
36) Benzene	3.651	78	55156	1.036	ppbv	94
37) 1,2-Dichloroethane	3.218	62	30543	1.002	ppbv	98
38) Trichloroethene	4.545	130	21906	0.985	ppbv	93
39) 1,2-Dichloropropane	4.312	63	20020	1.032	ppbv	99
40) 1,4-Dioxane	4.593	88	10031	0.997	ppbv #	49
41) Tetrahydrofuran	3.056	42	22818	1.029	ppbv	97
42) Bromodichloromethane	4.483	83	41864	0.996	ppbv	90
43) Methyl Methacrylate	4.875	69	14387	0.640	ppbv #	31
44) 2,2,4-Trimethylpentane	4.632	57	90727	1.008	ppbv	96
45) t-1,3-Dichloropropene	6.412	75	13431	0.555	ppbv	97

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 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

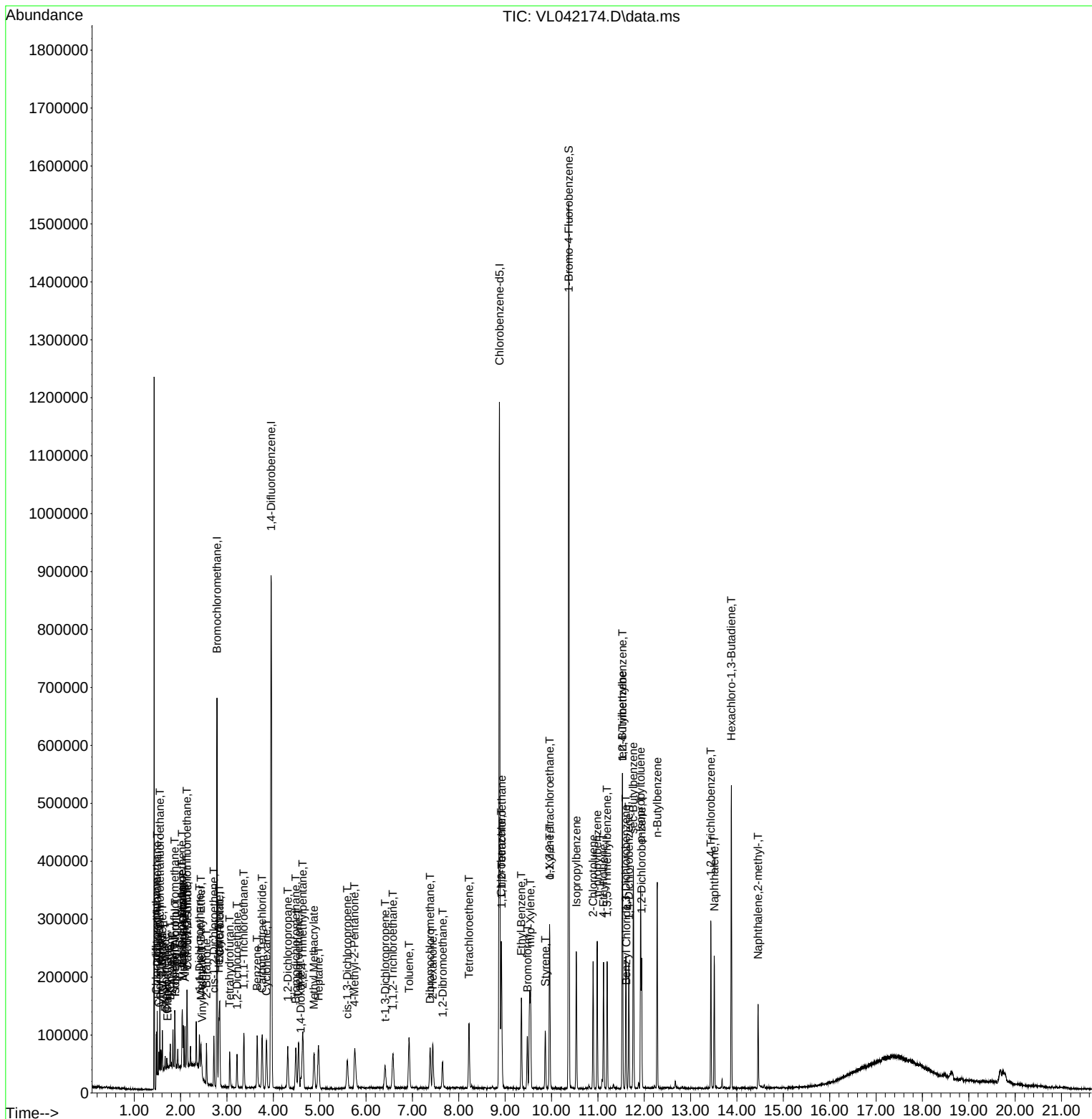
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

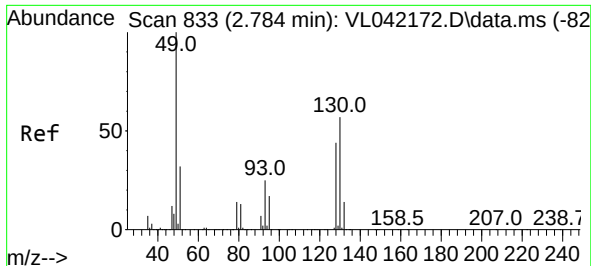
Quant Time: Mar 28 01:33:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 01:31:23 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	30063	1.014	ppbv	93
47) 1,1,2-Trichloroethane	6.577	97	20546	1.002	ppbv	96
48) Dibromochloromethane	7.383	129	34425	0.991	ppbv	100
49) Bromoform	9.481	173	31610	1.013	ppbv	98
50) 4-Methyl-2-Pentanone	5.752	43	34358	0.556	ppbv #	39
51) 2-Hexanone	7.438	43	54680	1.067	ppbv #	100
52) Tetrachloroethene	8.222	164	19415	0.919	ppbv	95
53) Toluene	6.927	91	64612	1.023	ppbv	99
54) 1,2-Dibromoethane	7.652	107	28879	1.009	ppbv	95
56) 1,1,1,2-Tetrachloroethane	8.924	131	28764	1.045	ppbv #	87
57) Chlorobenzene	8.917	112	48930	1.032	ppbv	93
58) Ethyl Benzene	9.348	91	91086	1.026	ppbv	97
59) m/p-Xylene	9.545	91	73295	1.033	ppbv #	31
60) o-Xylene	9.960	91	73702	1.037	ppbv	96
61) Styrene	9.866	104	36110	1.027	ppbv	97
62) Isopropylbenzene	10.536	105	109897	1.034	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.960	83	44431	1.029	ppbv	99
64) n-propylbenzene	10.986	120	29054	1.062	ppbv	98
65) tert-Butylbenzene	11.526	119	103520	1.053	ppbv	96
66) Benzyl Chloride	11.614	91	10660	1.022	ppbv #	93
67) sec-Butylbenzene	11.762	105	149660	1.095	ppbv	97
69) p-Isopropyltoluene	11.921	119	127509	1.084	ppbv	99
70) n-Butylbenzene	12.280	91	129860	1.079	ppbv	99
71) 2-Chlorotoluene	10.898	91	86356	1.047	ppbv	100
72) 4-Ethyltoluene	11.122	105	92912	1.050	ppbv	99
73) 1,3,5-Trimethylbenzene	11.199	105	83497	1.080	ppbv	92
74) 1,2,4-Trimethylbenzene	11.533	105	97858	1.099	ppbv	94
75) 1,3-Dichlorobenzene	11.604	146	51096	1.046	ppbv	99
76) 1,4-Dichlorobenzene	11.669	146	50841	1.046	ppbv	99
77) 1,2-Dichlorobenzene	11.944	146	51523	1.084	ppbv	99
78) Hexachloro-1,3-Butadiene	13.879	225	55611	1.149	ppbv	97
79) Naphthalene	13.510	128	109031	1.120	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	44518	0.939	ppbv	99
81) 1,2,4-Trichlorobenzene	13.436	180	47040	1.047	ppbv	98

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

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

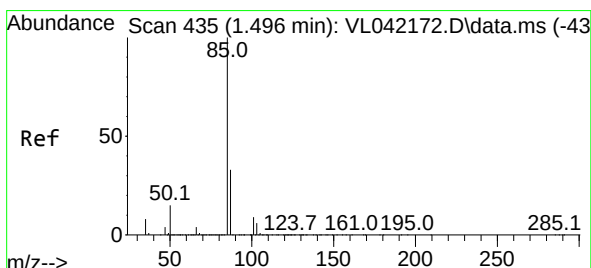
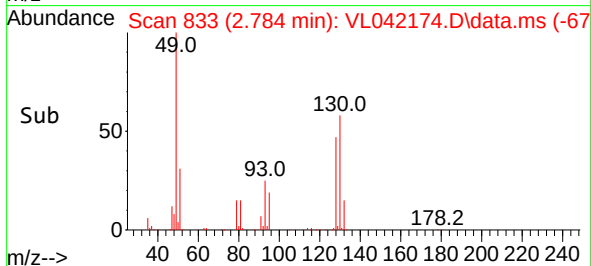
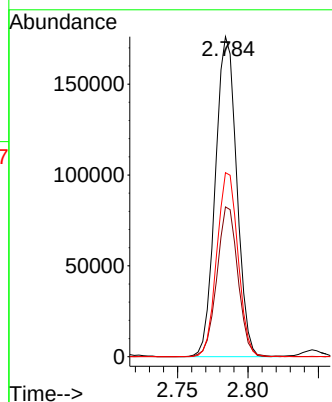
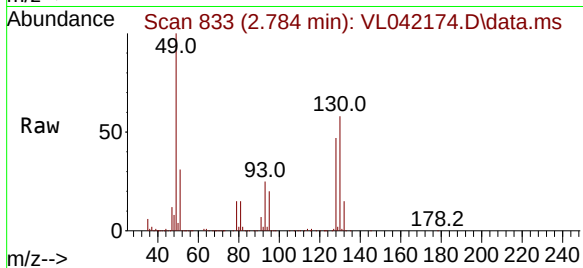




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

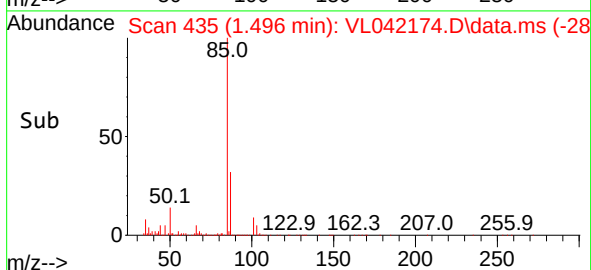
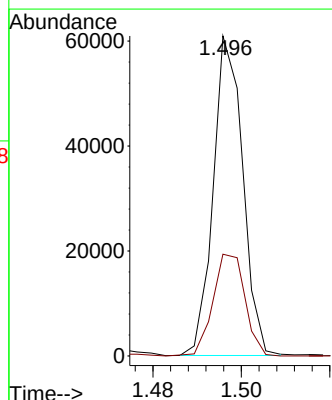
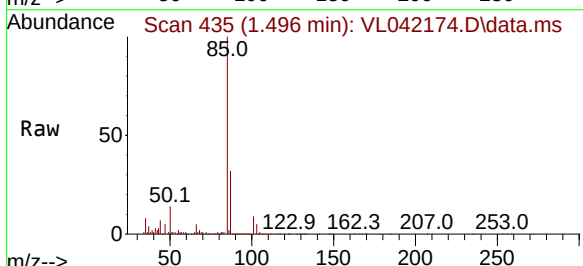
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

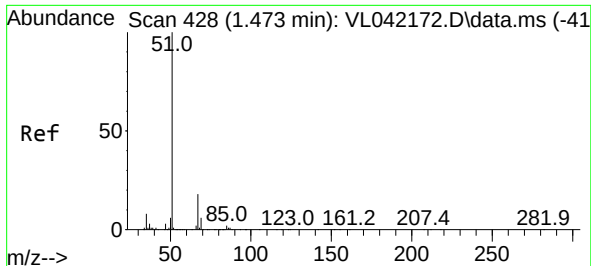
Tgt Ion: 49 Resp: 186244
Ion Ratio Lower Upper
49 100
128 46.2 22.9 68.5
130 57.0 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 1.026 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 85 Resp: 28203
Ion Ratio Lower Upper
85 100
87 31.9 26.1 39.1

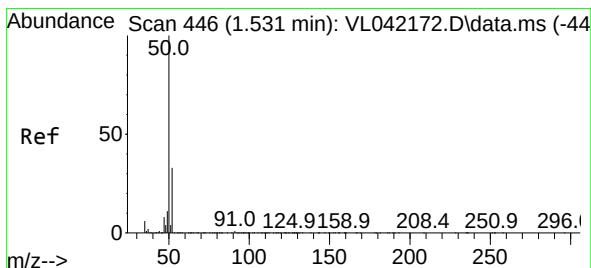
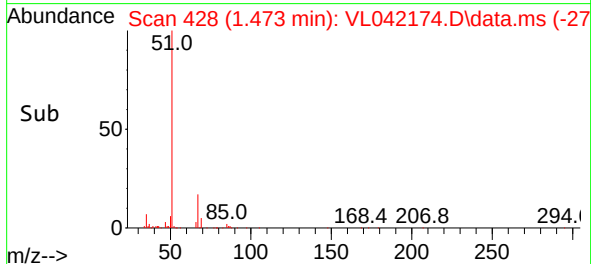
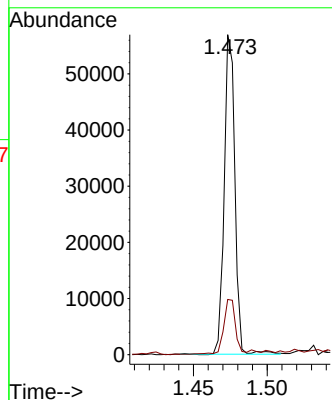
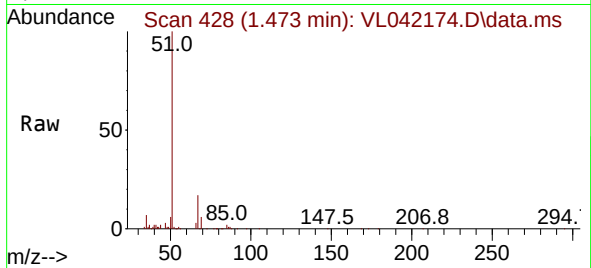




#3
Chlorodifluoromethane
Concen: 1.021 ppbv
RT: 1.473 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

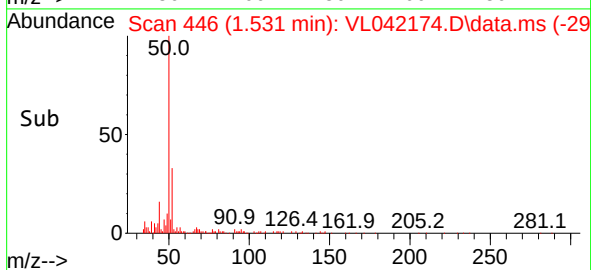
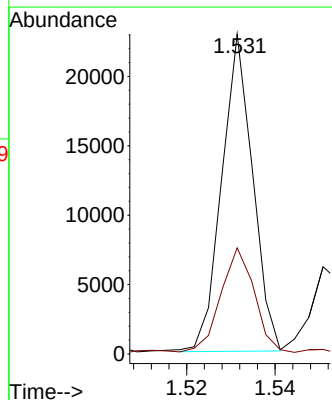
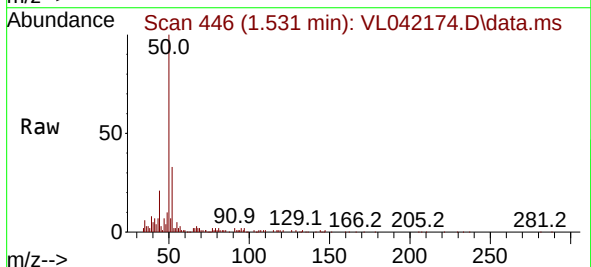
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

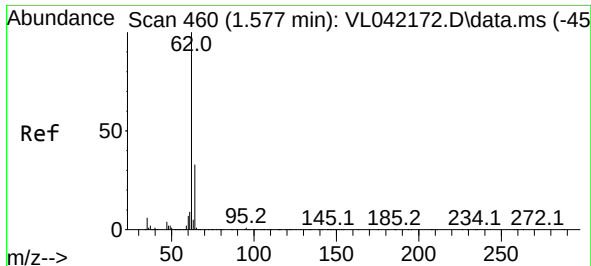
Tgt Ion: 51 Resp: 28693
Ion Ratio Lower Upper
51 100
67 21.5 15.0 22.6



#4
Chloromethane
Concen: 0.989 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 50 Resp: 11111
Ion Ratio Lower Upper
50 100
52 32.9 26.1 39.1

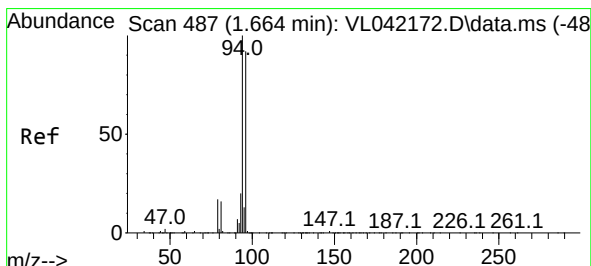
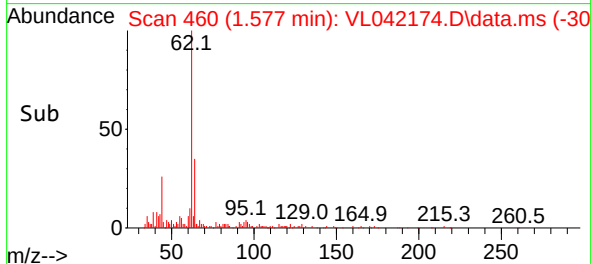
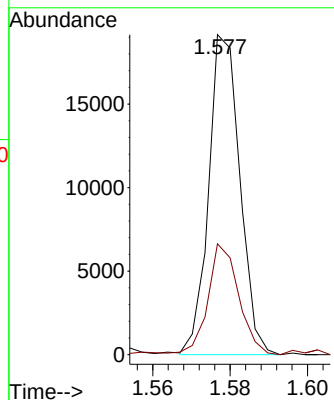
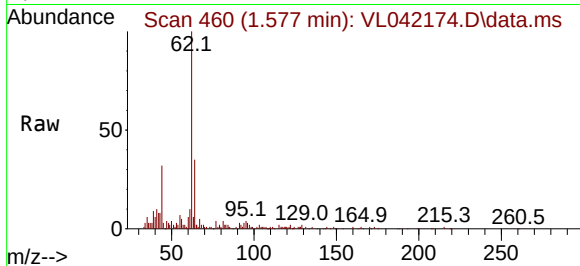




#5
 Vinyl Chloride
 Concen: 0.936 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

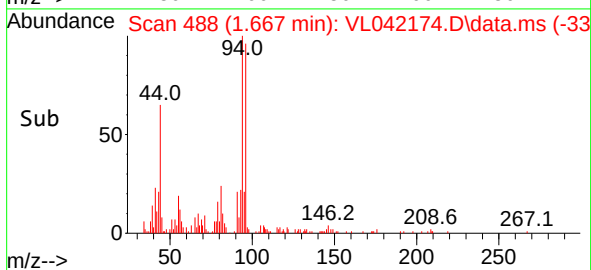
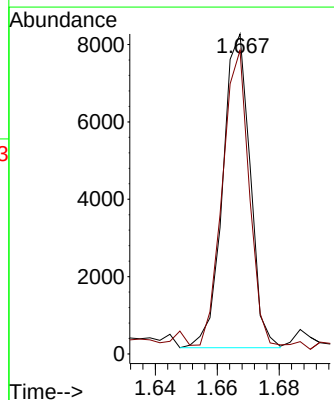
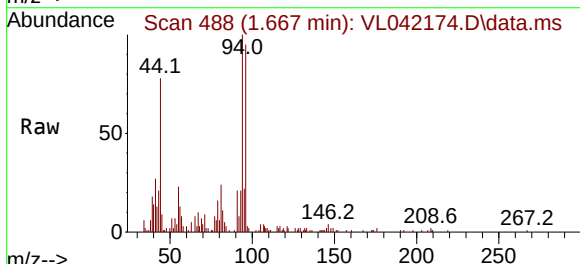
Instrument :
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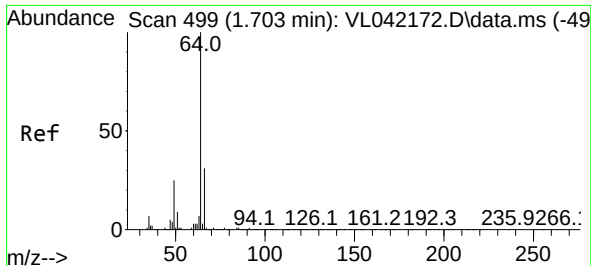
Tgt Ion: 62 Resp: 10723
 Ion Ratio Lower Upper
 62 100
 64 34.6 26.6 40.0



#6
 Bromomethane
 Concen: 0.979 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion: 94 Resp: 4984
 Ion Ratio Lower Upper
 94 100
 96 93.8 73.1 109.7

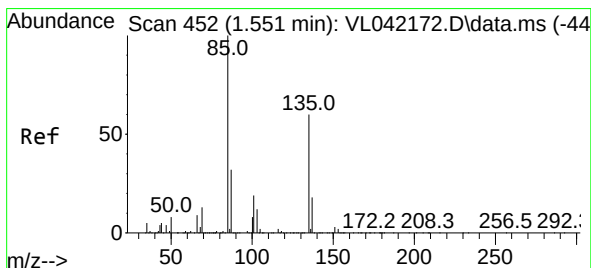
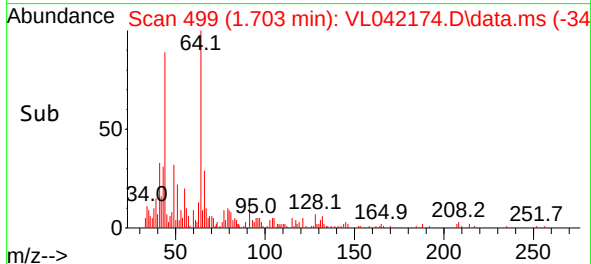
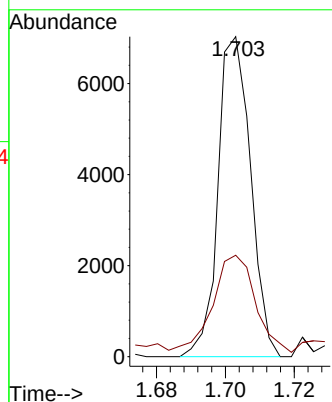
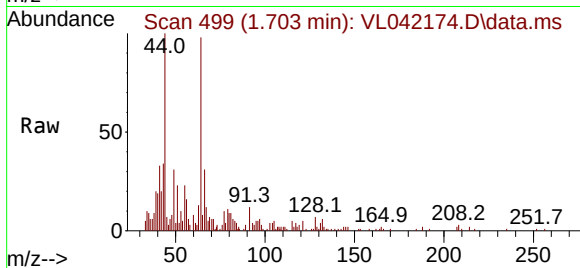




#7
Chloroethane
Concen: 1.025 ppbv
RT: 1.703 min Scan# 499
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

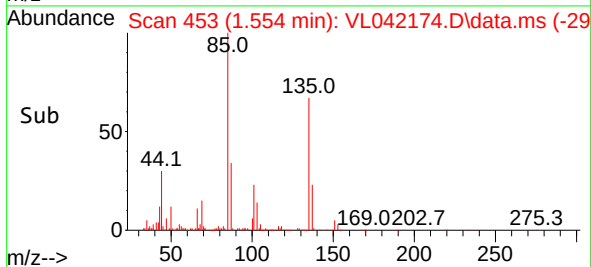
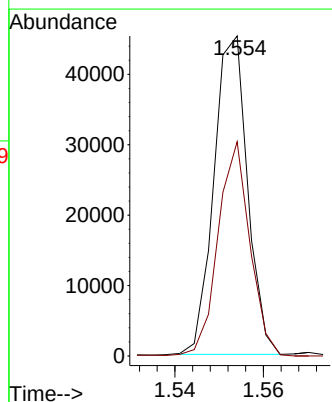
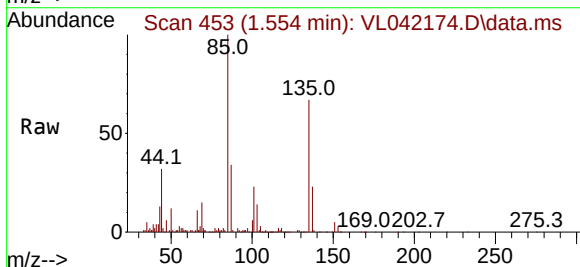
Instrument :
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ClientSampleId :
VSTDIC001

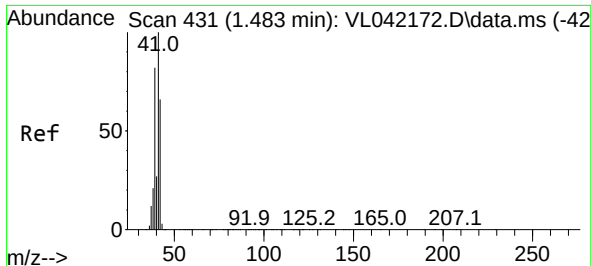
Tgt Ion: 64 Resp: 4622
Ion Ratio Lower Upper
64 100
66 31.7 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 1.020 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 85 Resp: 23886
Ion Ratio Lower Upper
85 100
135 64.2 52.4 78.6





#9

Propene

Concen: 0.116 ppbv

RT: 1.884 min Scan# 51

Delta R.T. 0.401 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

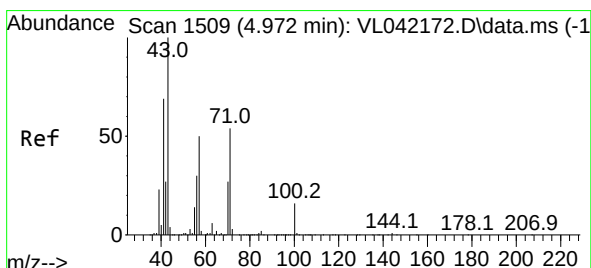
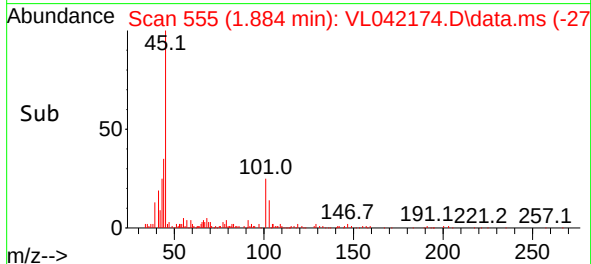
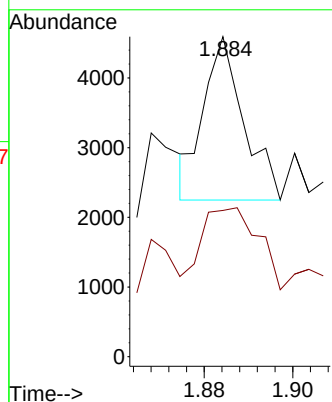
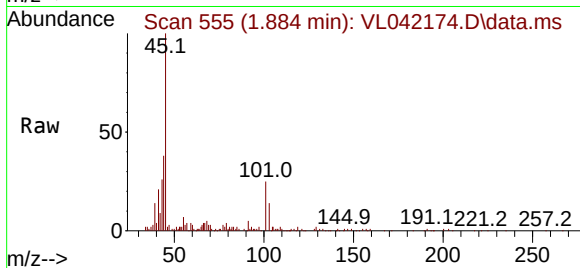
VSTDIC001

Tgt Ion: 41 Resp: 1465

Ion Ratio Lower Upper

41 100

42 69.8 55.4 83.2



#10

Heptane

Concen: 1.055 ppbv

RT: 4.975 min Scan# 1510

Delta R.T. 0.003 min

Lab File: VL042174.D

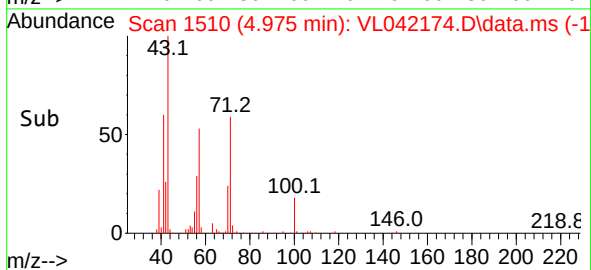
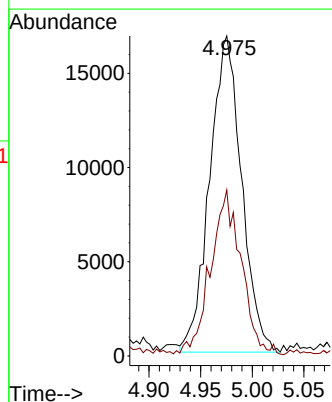
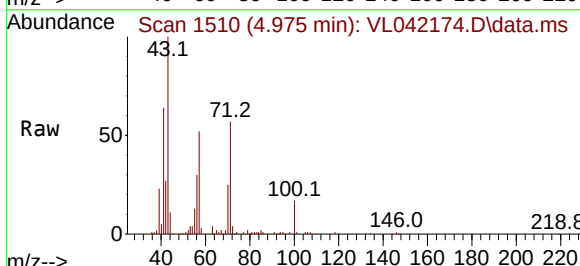
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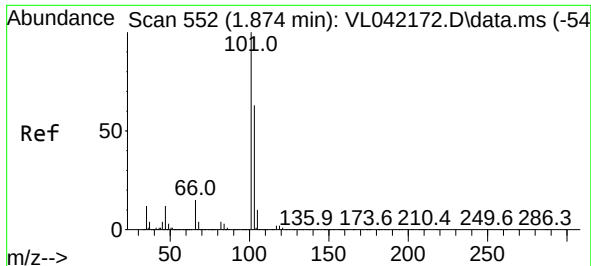
Tgt Ion: 43 Resp: 36132

Ion Ratio Lower Upper

43 100

57 49.6 39.4 59.2

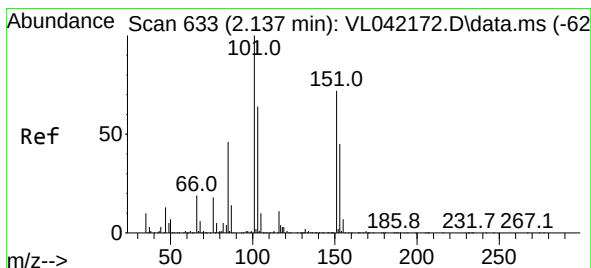
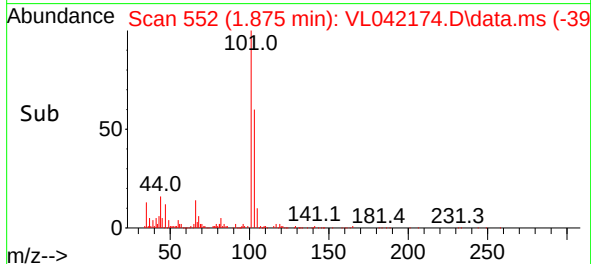
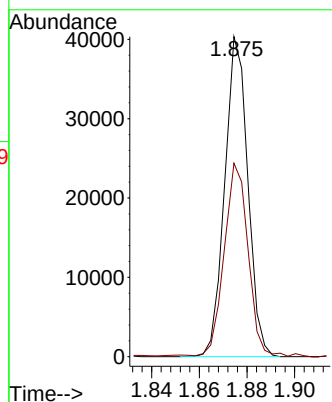
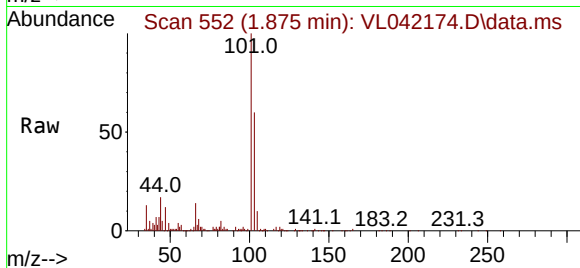




#11
 Trichlorofluoromethane
 Concen: 1.014 ppbv
 RT: 1.875 min Scan# 511
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

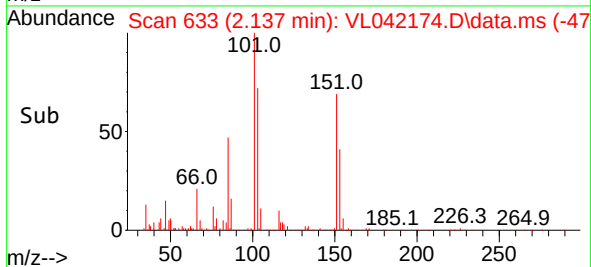
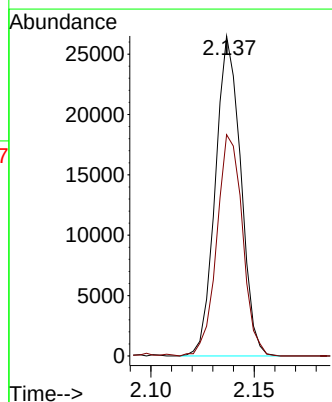
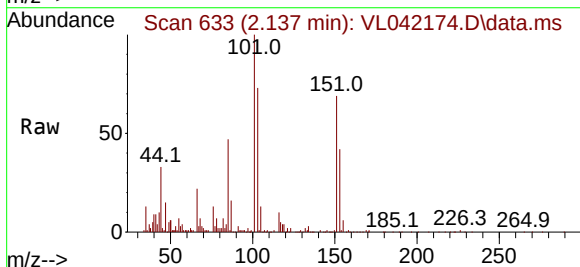
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

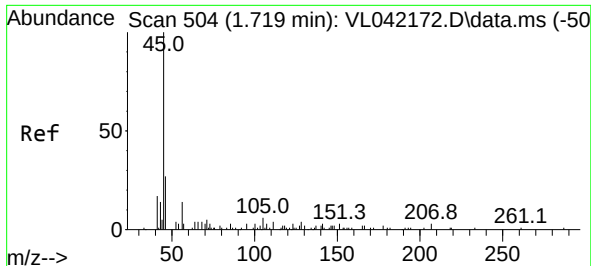
Tgt Ion:101 Resp: 27136
 Ion Ratio Lower Upper
 101 100
 103 59.9 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.029 ppbv
 RT: 2.137 min Scan# 633
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion:101 Resp: 22629
 Ion Ratio Lower Upper
 101 100
 151 70.3 57.1 85.7





#13

Ethanol

Concen: 0.943 ppbv

RT: 1.719 min Scan# 504

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_1

ClientSampleId :

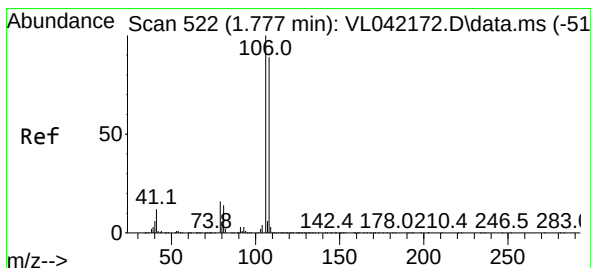
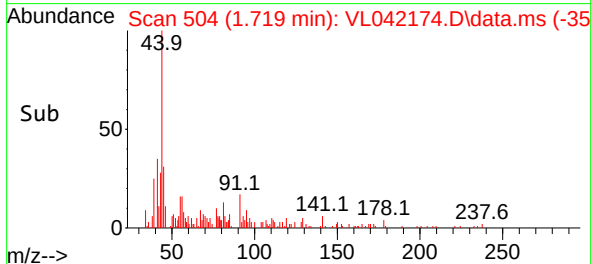
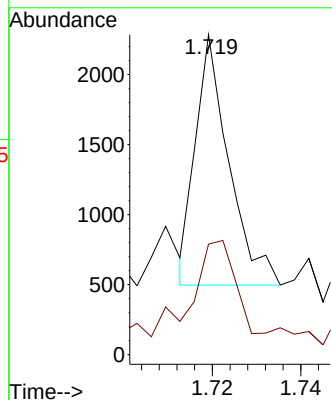
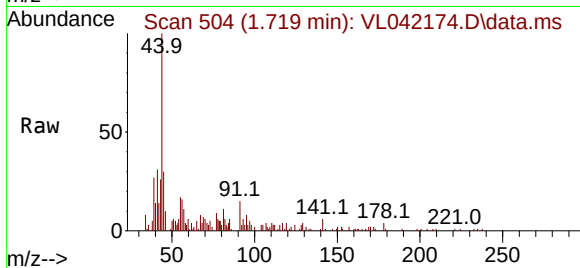
VSTDIC001

Tgt Ion: 45 Resp: 935

Ion Ratio Lower Upper

45 100

46 126.3 20.2 80.8#



#14

Bromoethene

Concen: 0.989 ppbv

RT: 1.781 min Scan# 523

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

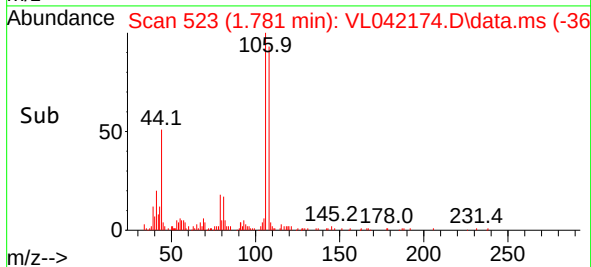
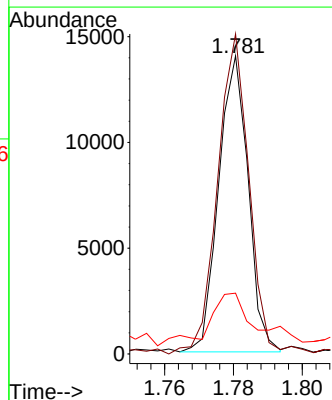
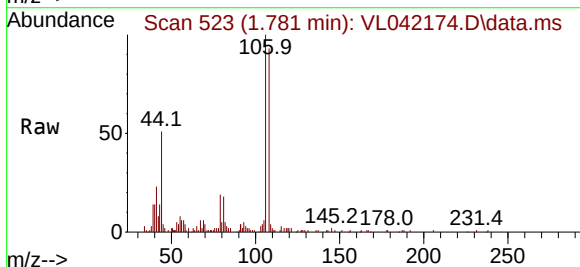
Tgt Ion: 108 Resp: 8330

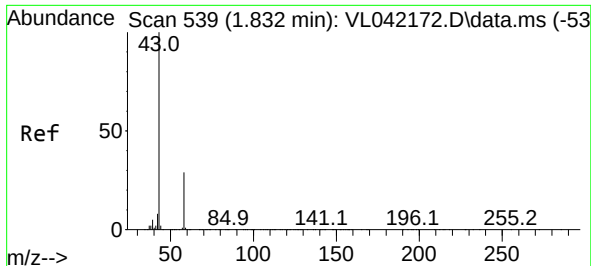
Ion Ratio Lower Upper

108 100

106 115.2 86.8 130.2

79 57.0 15.0 22.6#

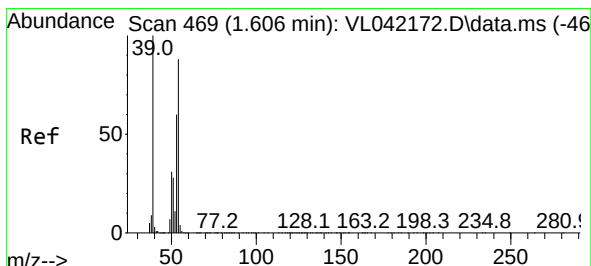
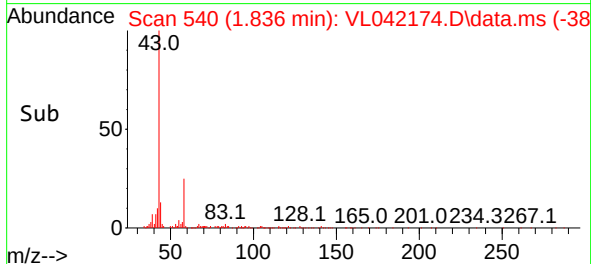
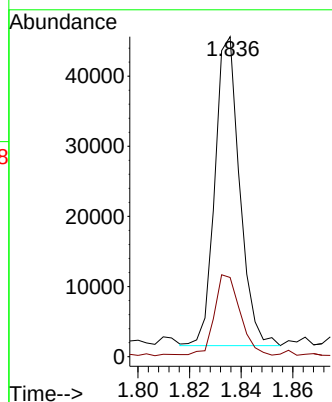
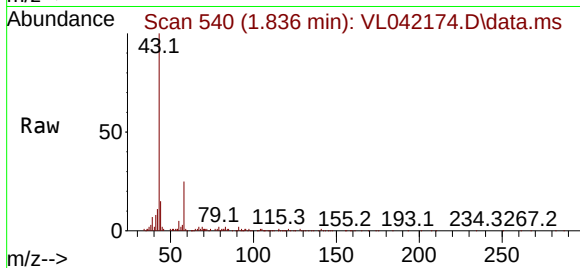




#15
Acetone
Concen: 1.125 ppbv
RT: 1.836 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

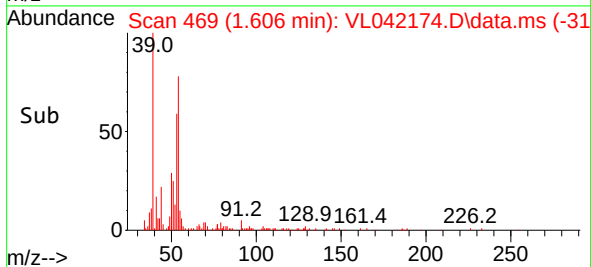
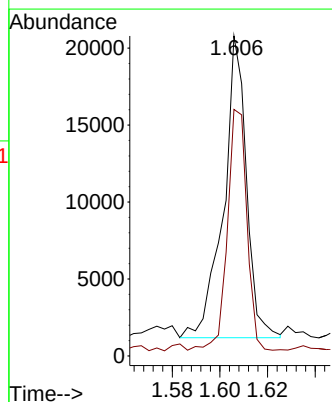
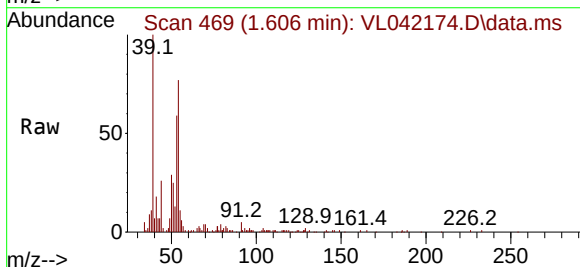
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

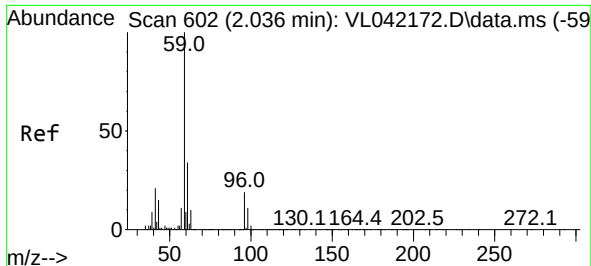
Tgt Ion: 43 Resp: 29294
Ion Ratio Lower Upper
43 100
58 31.6 23.2 34.8



#16
1,3-Butadiene
Concen: 1.121 ppbv
RT: 1.606 min Scan# 469
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 39 Resp: 13133
Ion Ratio Lower Upper
39 100
54 73.5 60.7 91.1





#17

tert-Butyl alcohol

Concen: 1.033 ppbv

RT: 2.040 min Scan# 60

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_1

ClientSampleId :

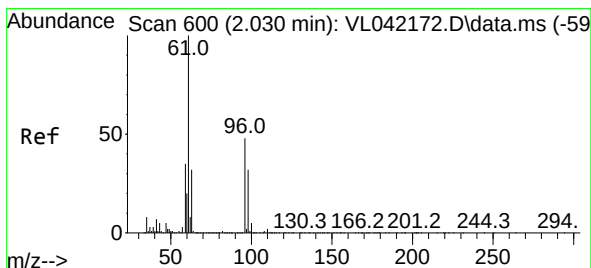
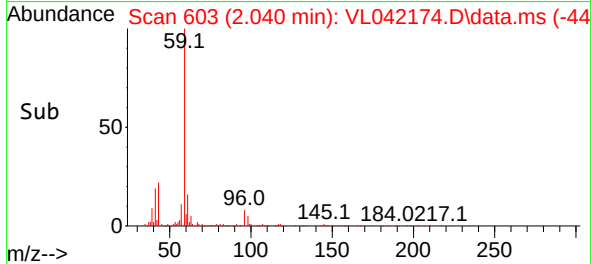
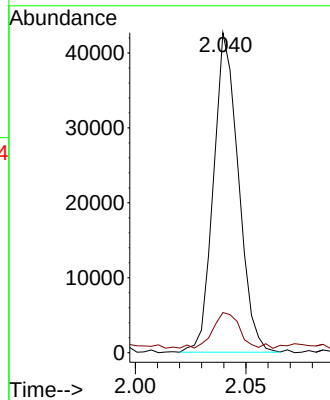
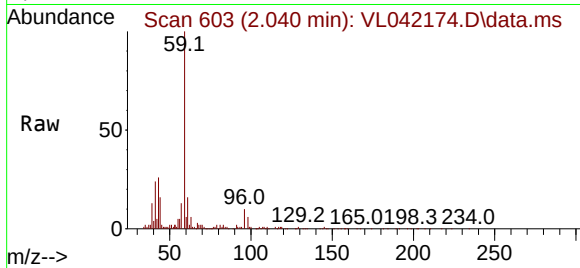
VSTDIC001

Tgt Ion: 59 Resp: 33500

Ion Ratio Lower Upper

59 100

57 12.3 8.9 13.3



#18

1,1-Dichloroethene

Concen: 1.024 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

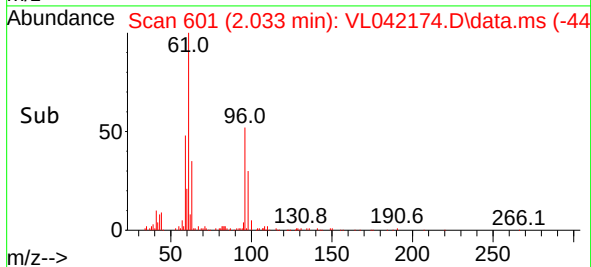
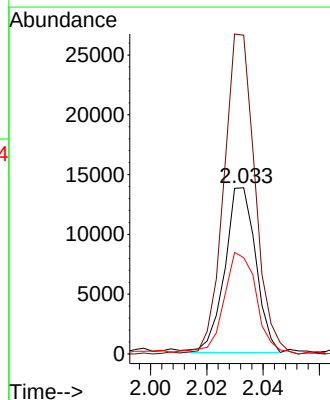
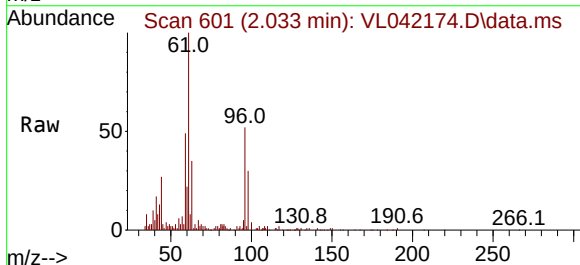
Tgt Ion: 96 Resp: 10532

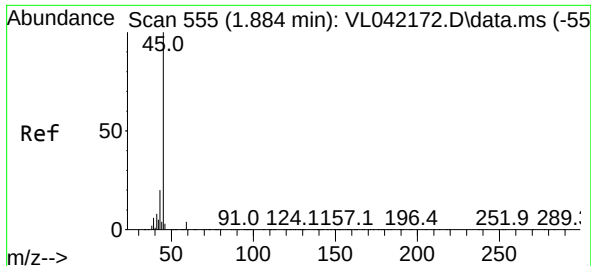
Ion Ratio Lower Upper

96 100

61 192.9 167.6 251.4

98 56.7 53.5 80.3

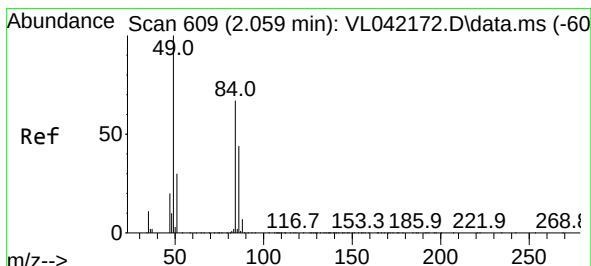
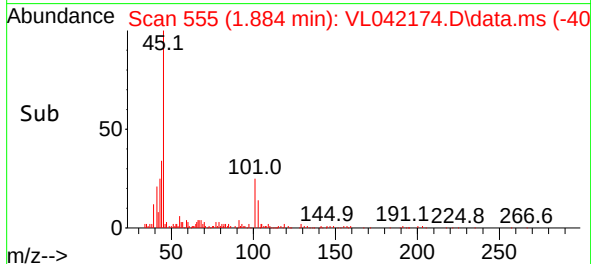
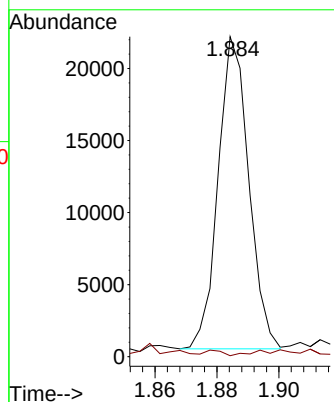
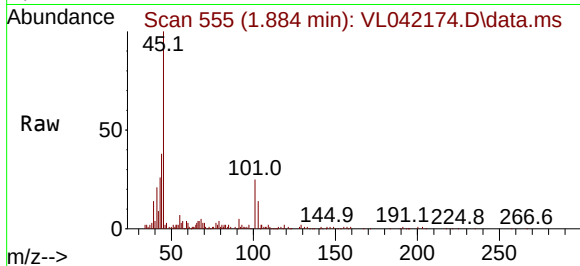




#19
Isopropyl Alcohol
Concen: 1.014 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

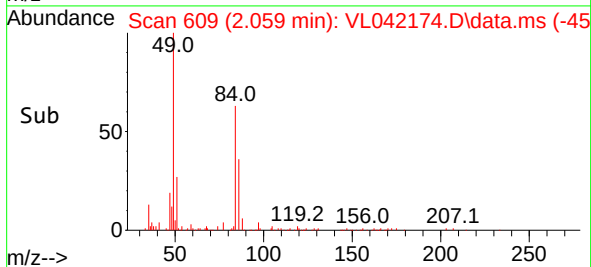
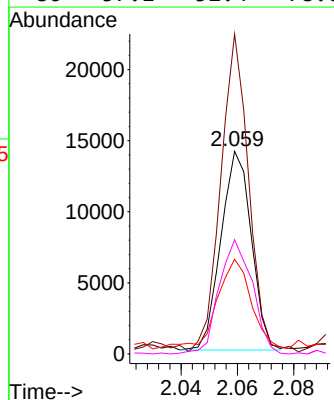
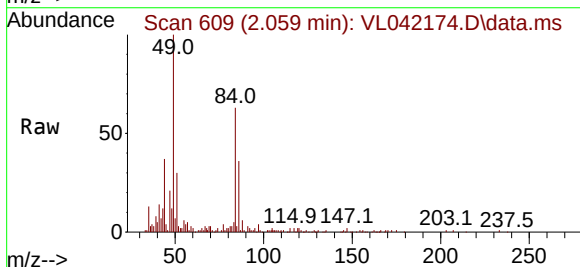
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

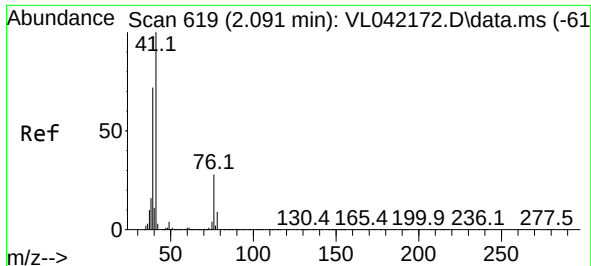
Tgt Ion: 45 Resp: 14903
Ion Ratio Lower Upper
45 100
58 4.9 36.9 55.3#



#20
Methylene Chloride
Concen: 1.080 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 84 Resp: 10481
Ion Ratio Lower Upper
84 100
49 158.3 120.2 180.4
51 44.3 37.4 56.0
86 57.1 52.4 78.6





#21

Allyl Chloride

Concen: 1.036 ppbv

RT: 2.095 min Scan# 61

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

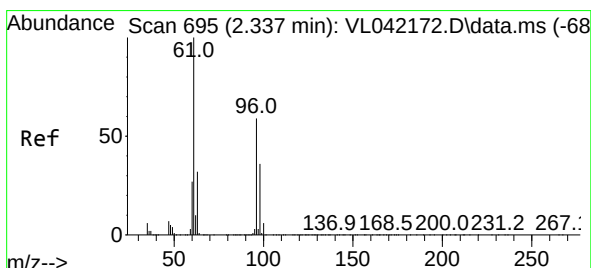
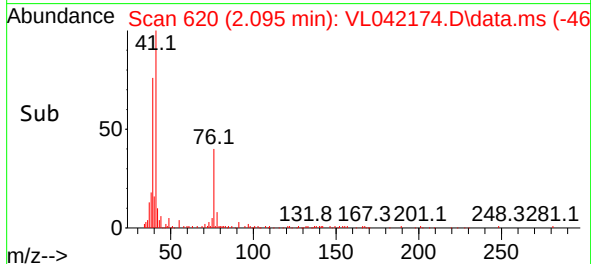
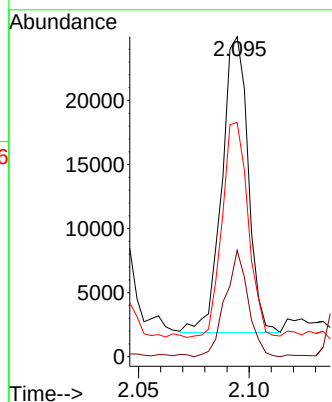
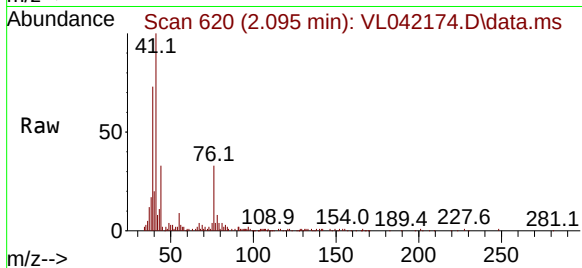
Tgt Ion: 41 Resp: 19039

Ion Ratio Lower Upper

41 100

76 30.5 24.1 36.1

39 77.8 61.1 91.7



#22

trans-1,2-Dichloroethene

Concen: 0.877 ppbv

RT: 2.033 min Scan# 601

Delta R.T. -0.304 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

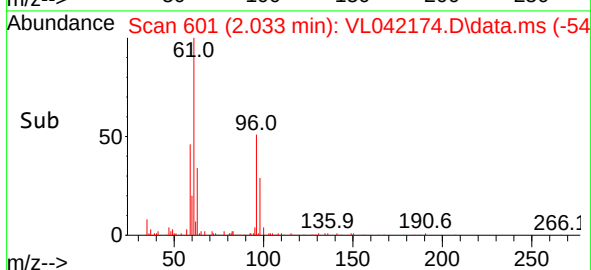
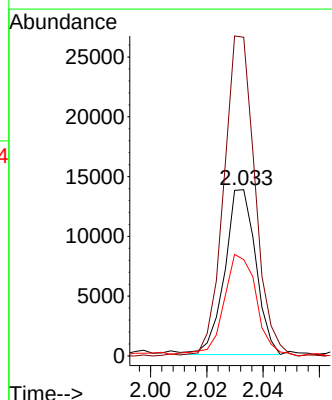
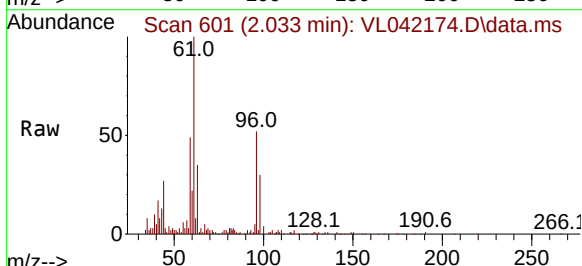
Tgt Ion: 96 Resp: 10532

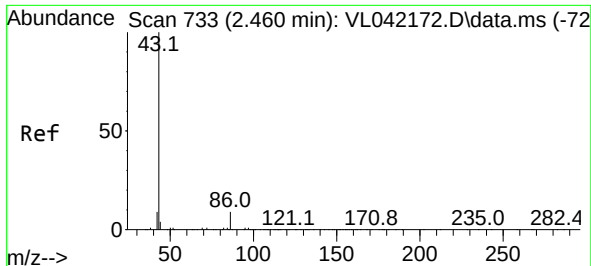
Ion Ratio Lower Upper

96 100

61 192.9 136.6 204.8

98 56.7 49.4 74.2

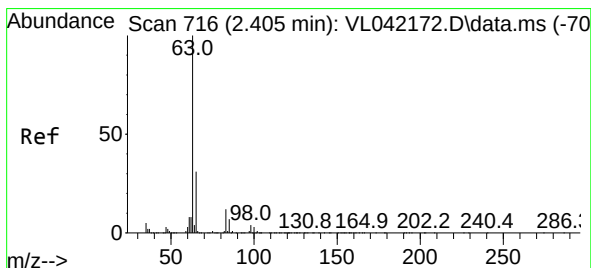
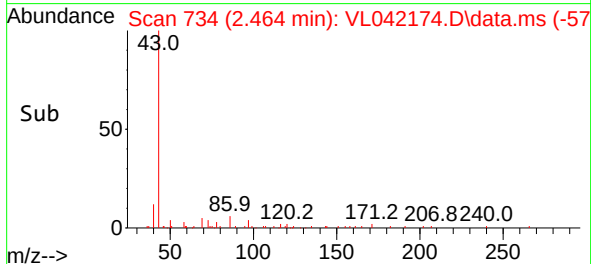
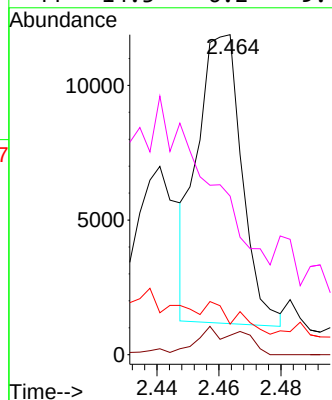
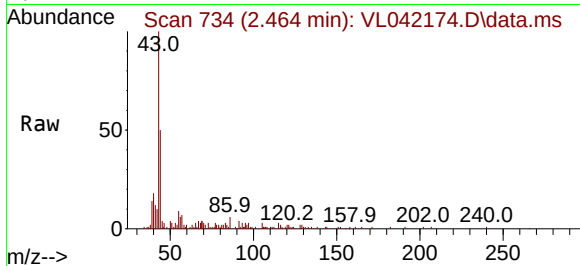




#23
 Vinyl Acetate
 Concen: 0.983 ppbv
 RT: 2.464 min Scan# 716
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

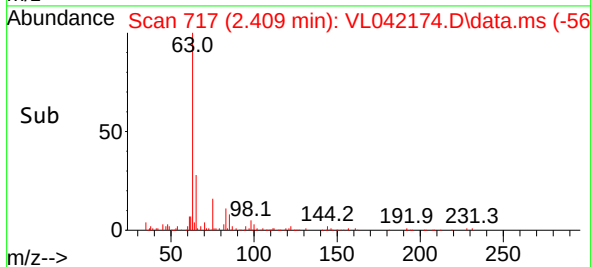
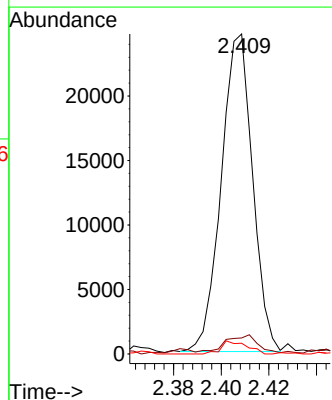
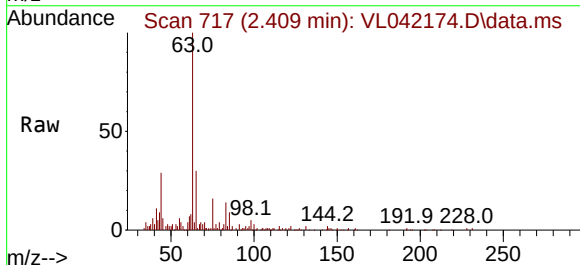
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

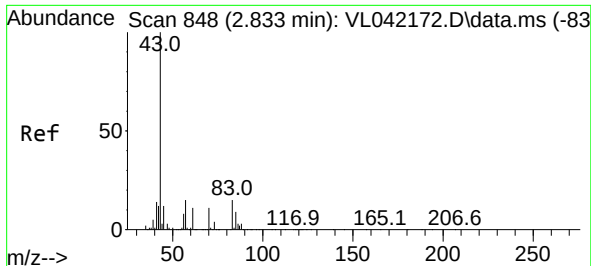
Tgt Ion:	43	Resp:	10644
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.5	8.3
42	2.4	8.6	13.0#
44	14.3	6.2	9.4#



#24
 1,1-Dichloroethane
 Concen: 1.022 ppbv
 RT: 2.409 min Scan# 717
 Delta R.T. 0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion:	63	Resp:	22505
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.8
100	3.4	1.6	4.7

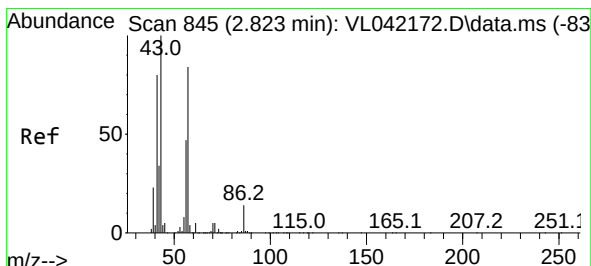
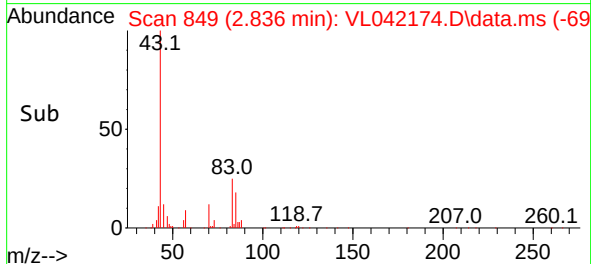
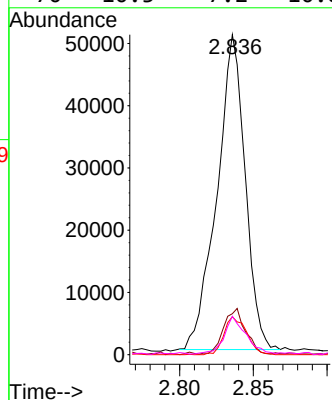
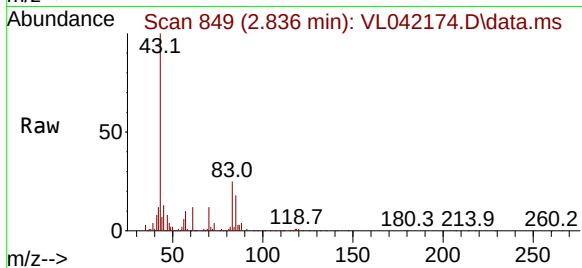




#25
Ethyl Acetate
Concen: 0.997 ppbv
RT: 2.836 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

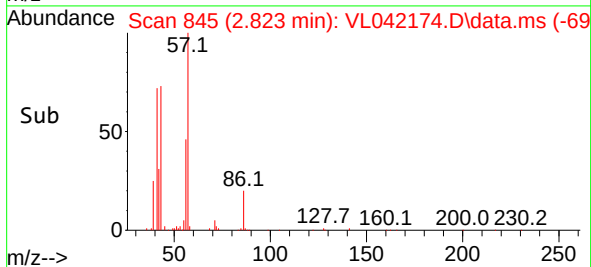
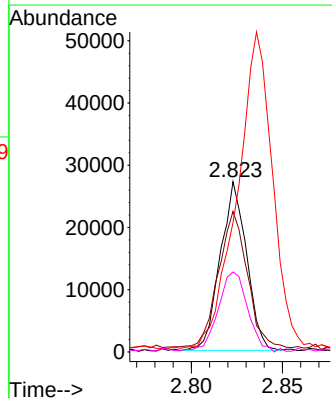
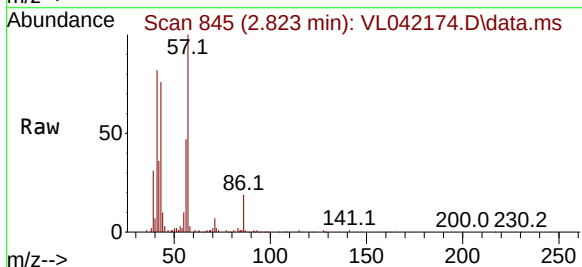
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

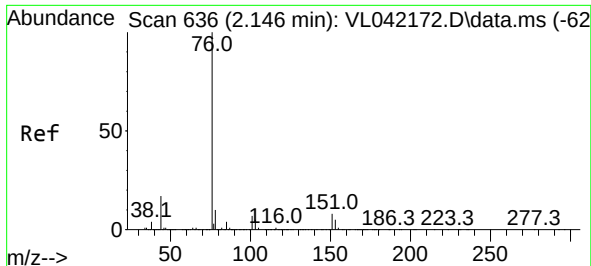
Tgt Ion: 43	Resp: 67402
Ion Ratio	Lower Upper
43 100	
45 12.3	8.2 12.2#
61 9.6	7.3 10.9
70 10.3	7.2 10.8



#26
Hexane
Concen: 1.043 ppbv
RT: 2.823 min Scan# 845
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 57	Resp: 27223
Ion Ratio	Lower Upper
57 100	
41 93.5	76.6 114.8
43 256.9	207.8 311.8
56 53.3	43.6 65.4

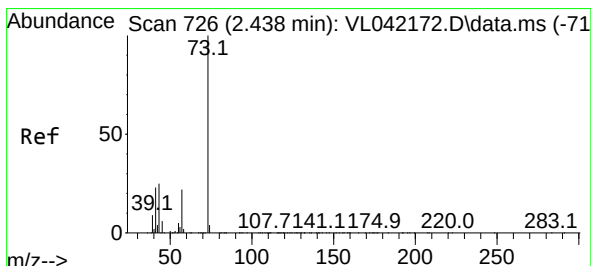
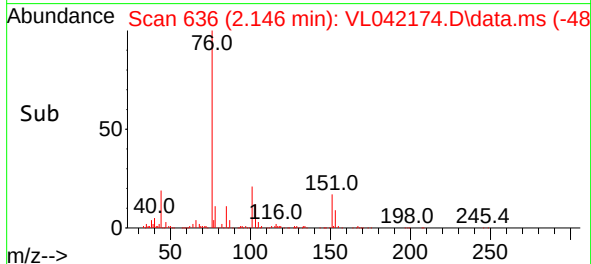
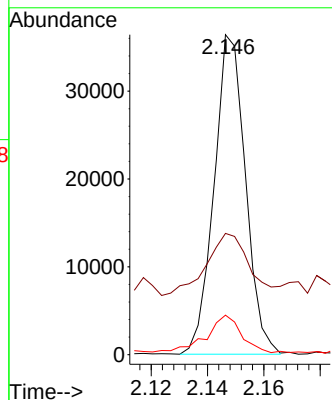
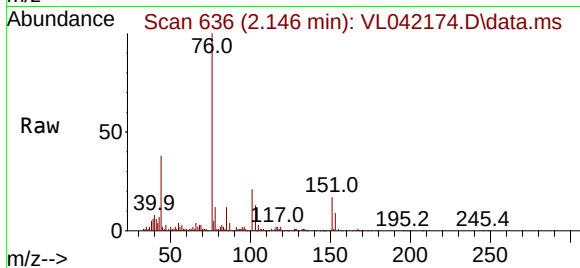




#27
Carbon Disulfide
Concen: 1.006 ppbv
RT: 2.146 min Scan# 611
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

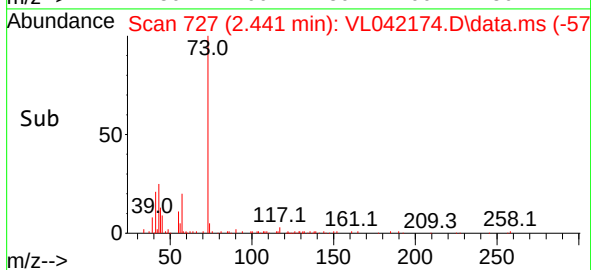
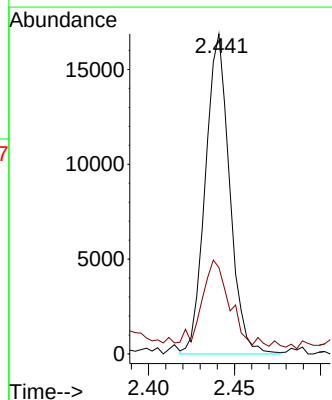
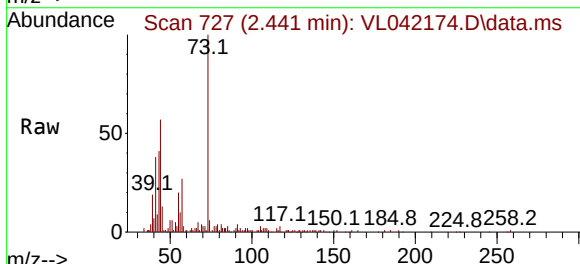
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

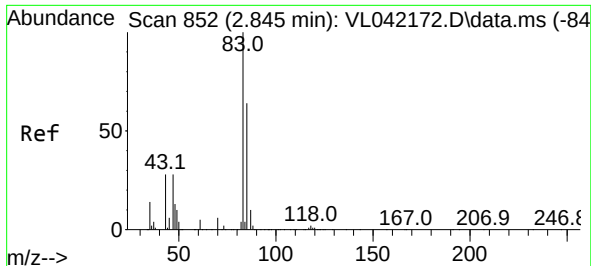
Tgt Ion: 76 Resp: 28167
Ion Ratio Lower Upper
76 100
44 54.6 14.7 22.1#
78 15.0 9.3 13.9#



#28
Methyl tert-Butyl Ether
Concen: 1.015 ppbv
RT: 2.441 min Scan# 727
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 73 Resp: 16501
Ion Ratio Lower Upper
73 100
57 28.0 20.5 30.7





#29

Chloroform

Concen: 1.008 ppbv

RT: 2.845 min Scan# 852

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

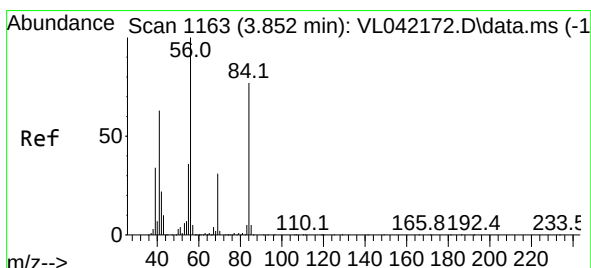
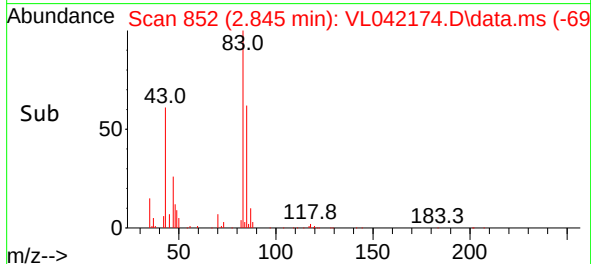
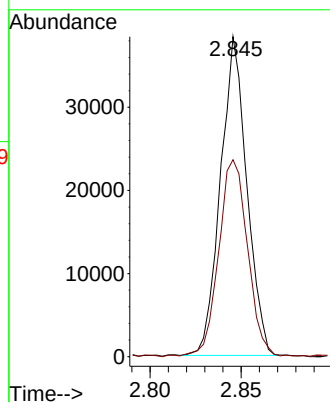
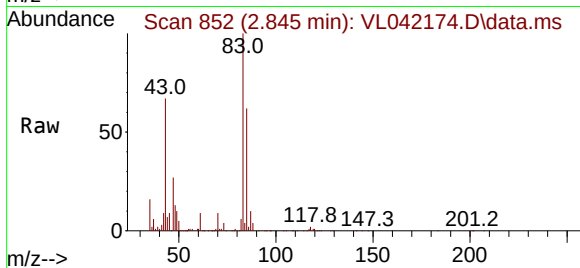
VSTDIC001

Tgt Ion: 83 Resp: 38516

Ion Ratio Lower Upper

83 100

85 61.6 51.4 77.2



#30

Cyclohexane

Concen: 1.016 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

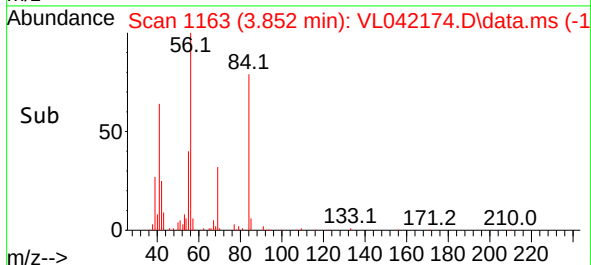
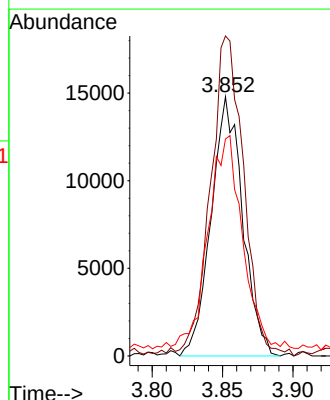
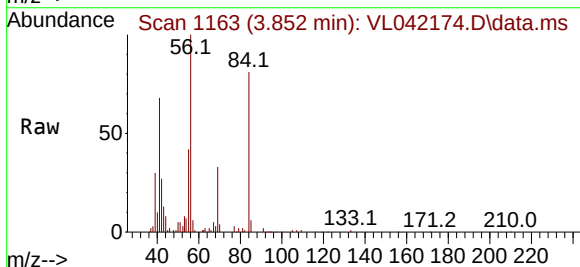
Tgt Ion: 84 Resp: 23052

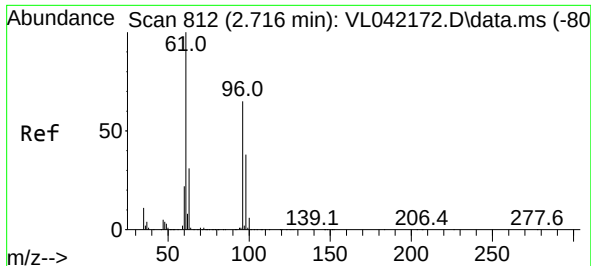
Ion Ratio Lower Upper

84 100

56 128.9 102.8 154.2

41 89.3 66.5 99.7

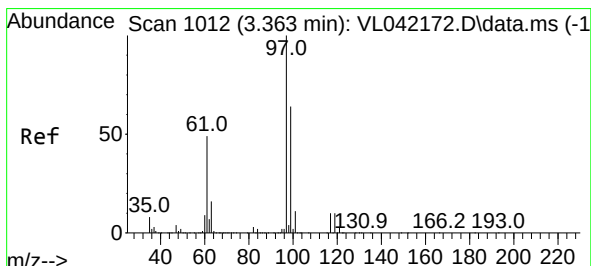
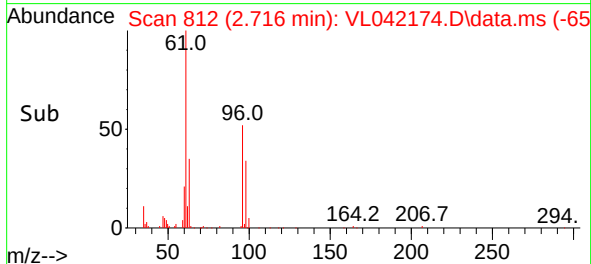
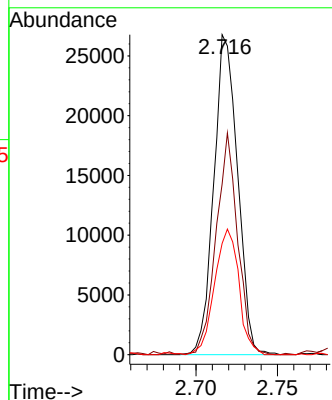
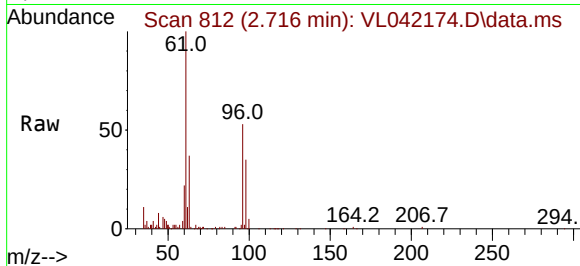




#31
 cis-1,2-Dichloroethene
 Concen: 1.026 ppbv
 RT: 2.716 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

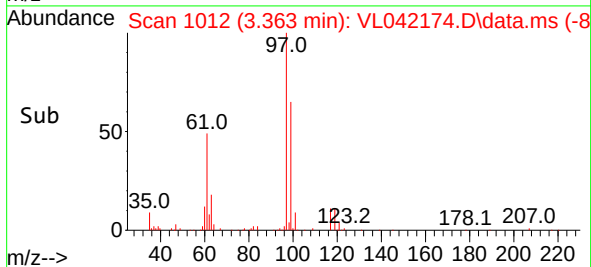
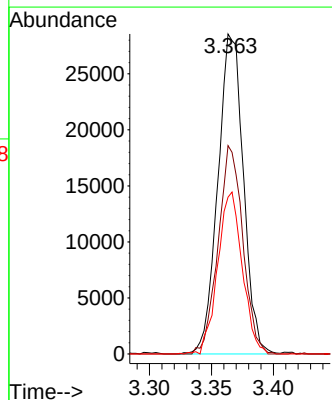
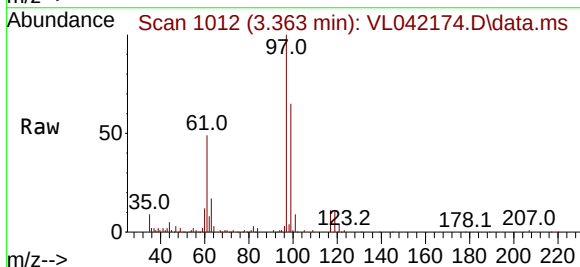
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

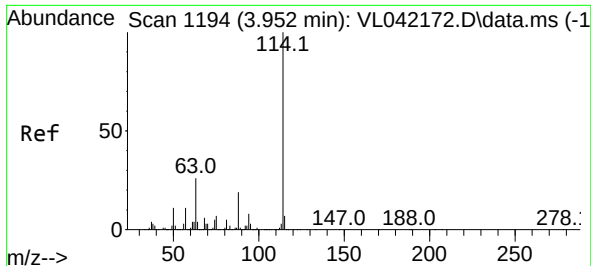
Tgt Ion: 61 Resp: 27187
 Ion Ratio Lower Upper
 61 100
 96 53.3 51.8 77.8
 98 34.8 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 0.938 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion: 97 Resp: 40993
 Ion Ratio Lower Upper
 97 100
 99 63.0 51.5 77.3
 61 48.8 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: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

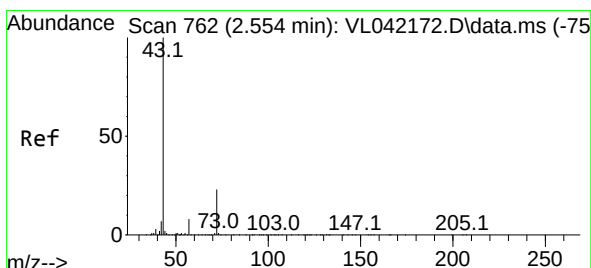
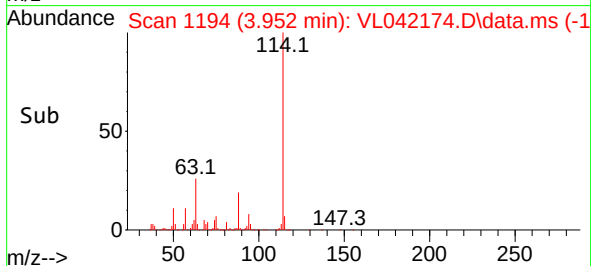
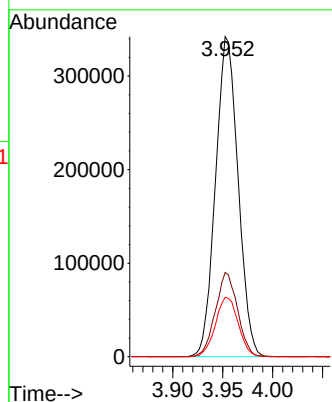
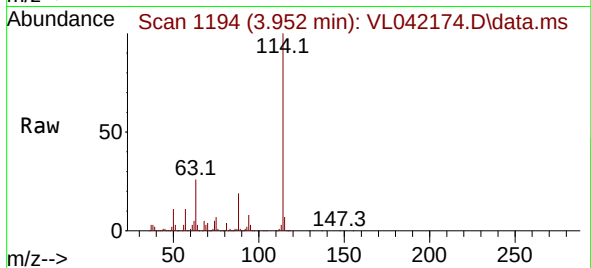
Tgt Ion:114 Resp: 537244

Ion Ratio Lower Upper

114 100

63 25.8 20.7 31.1

88 18.8 15.0 22.4



#34

2-Butanone

Concen: 1.063 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.003 min

Lab File: VL042174.D

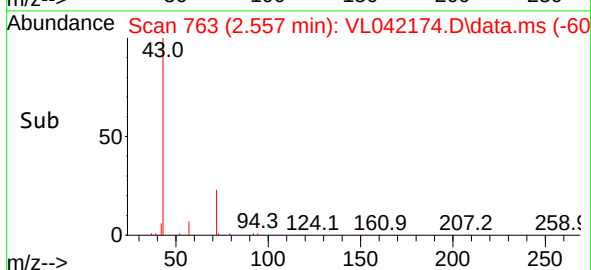
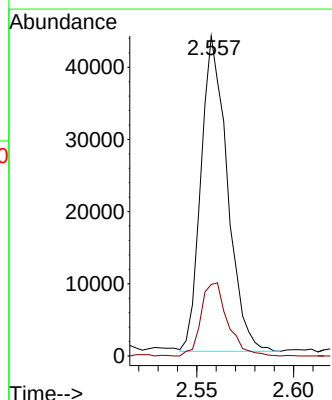
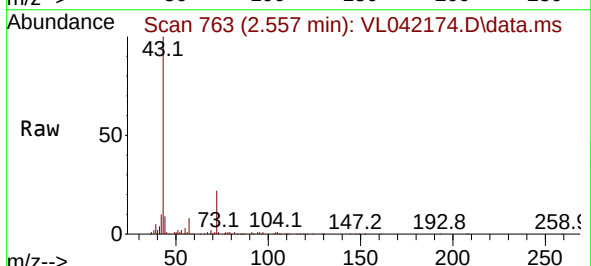
Acq: 27 Mar 2025 09:30

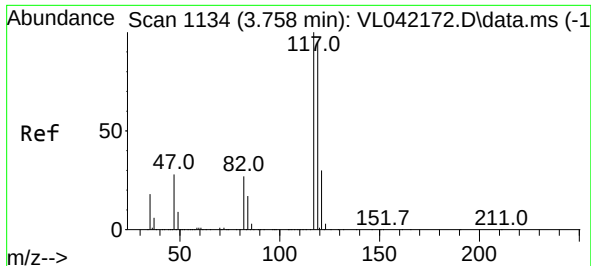
Tgt Ion: 43 Resp: 41423

Ion Ratio Lower Upper

43 100

72 23.5 18.2 27.2

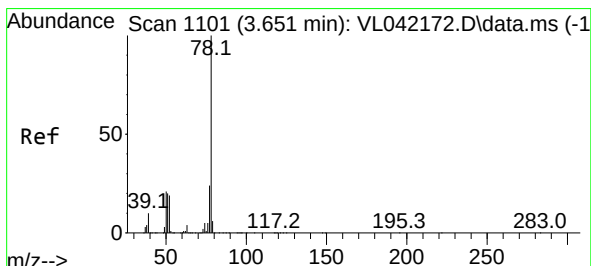
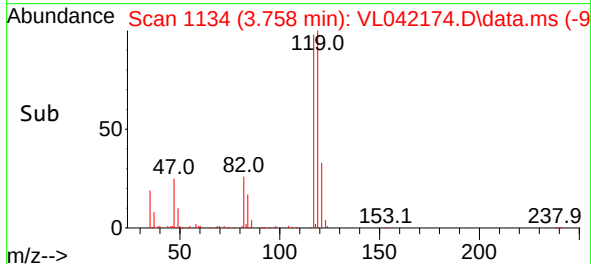
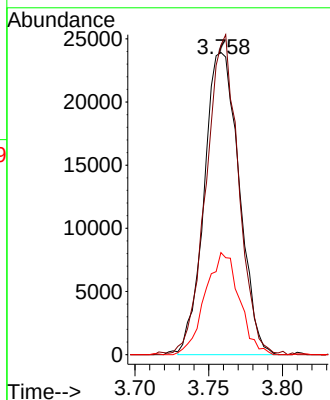
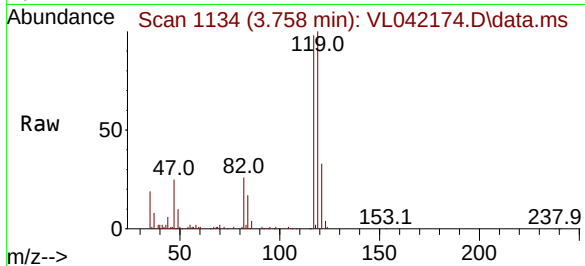




#35
Carbon Tetrachloride
Concen: 0.952 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

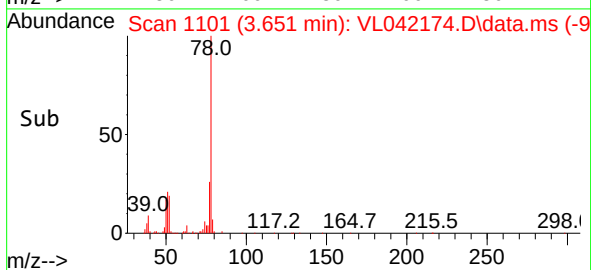
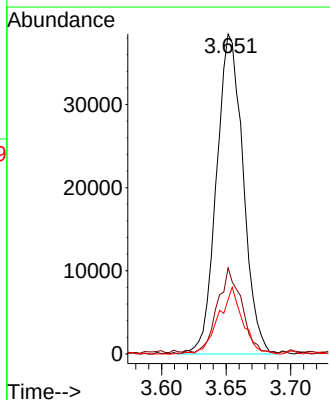
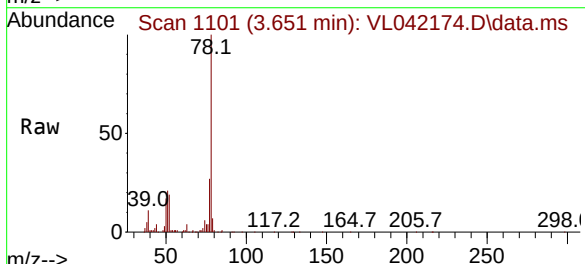
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

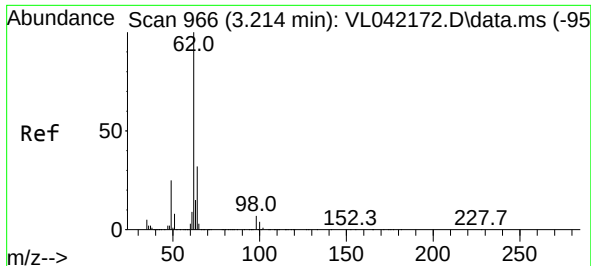
Tgt Ion:117 Resp: 39345
Ion Ratio Lower Upper
117 100
119 101.8 76.2 114.2
121 33.7 24.2 36.4



#36
Benzene
Concen: 1.036 ppbv
RT: 3.651 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 78 Resp: 55156
Ion Ratio Lower Upper
78 100
77 26.5 19.1 28.7
50 17.1 16.6 24.8





#37

1,2-Dichloroethane

Concen: 1.002 ppbv

RT: 3.218 min Scan# 9

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

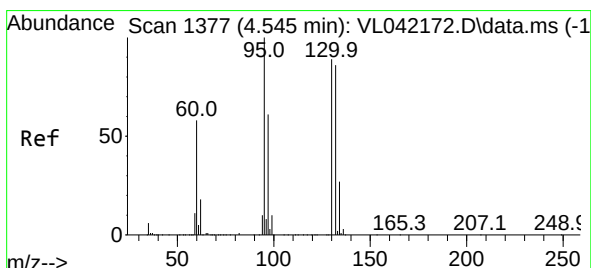
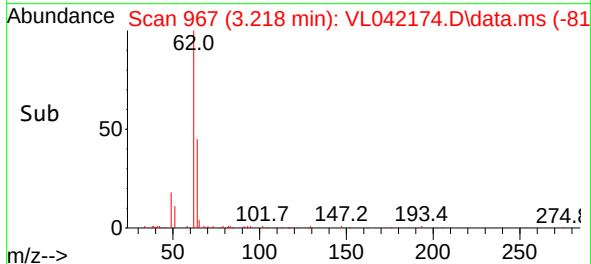
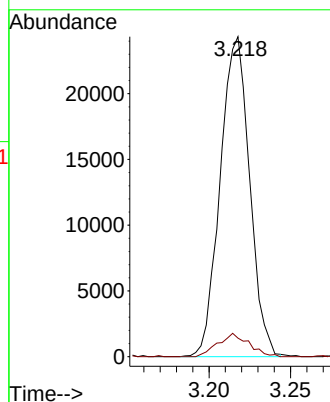
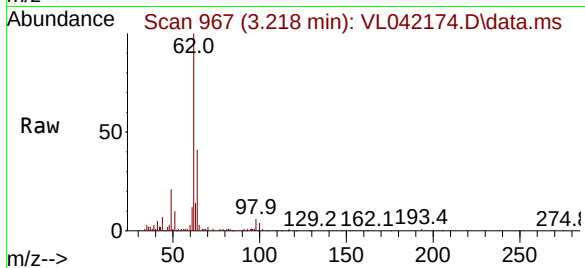
VSTDIC001

Tgt Ion: 62 Resp: 30543

Ion Ratio Lower Upper

62 100

98 7.6 5.4 8.2



#38

Trichloroethene

Concen: 0.985 ppbv

RT: 4.545 min Scan# 1377

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion:130 Resp: 21906

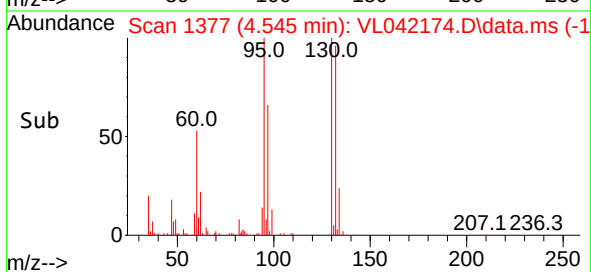
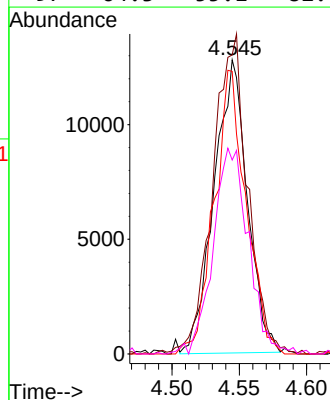
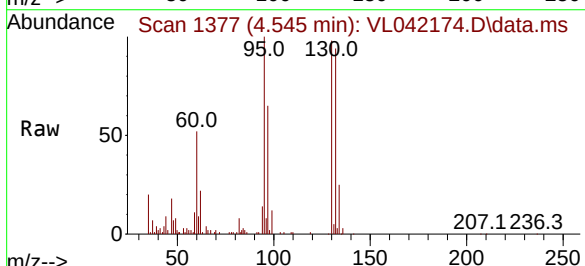
Ion Ratio Lower Upper

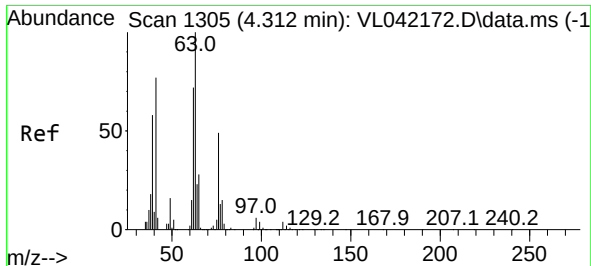
130 100

95 100.2 89.8 134.8

132 95.3 77.4 116.2

97 64.3 55.1 82.7





#39

1,2-Dichloropropane

Concen: 1.032 ppbv

RT: 4.312 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

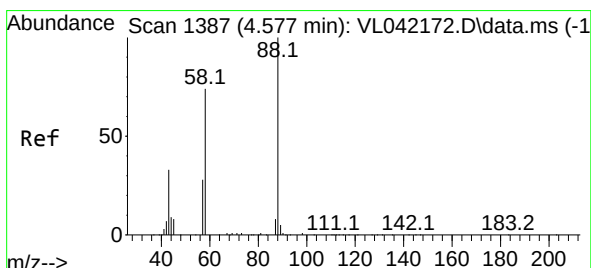
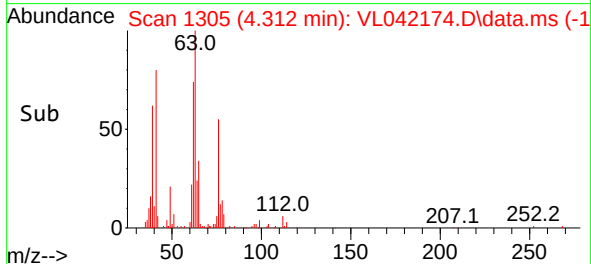
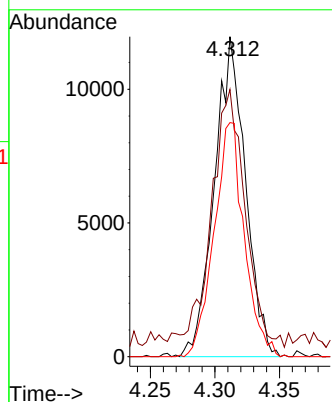
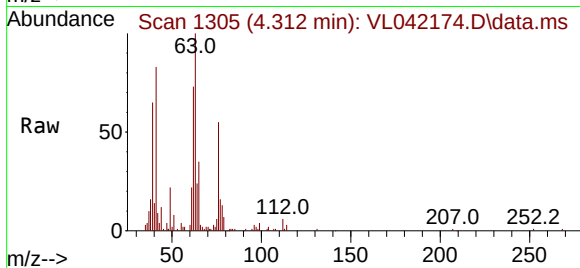
Tgt Ion: 63 Resp: 20020

Ion Ratio Lower Upper

63 100

41 76.8 61.7 92.5

62 73.1 57.6 86.4



#40

1,4-Dioxane

Concen: 0.997 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.016 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Tgt Ion: 88 Resp: 10031

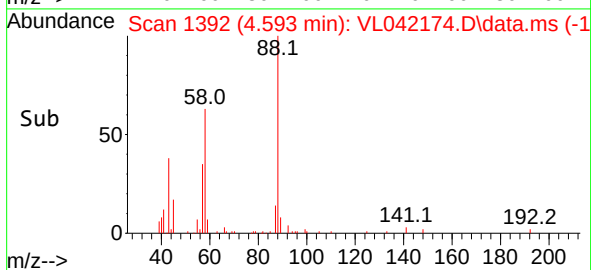
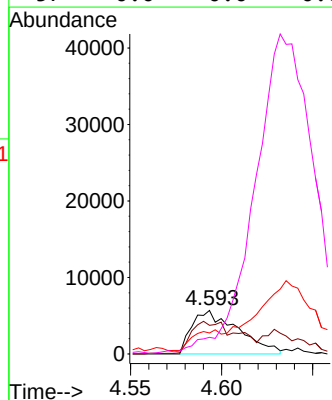
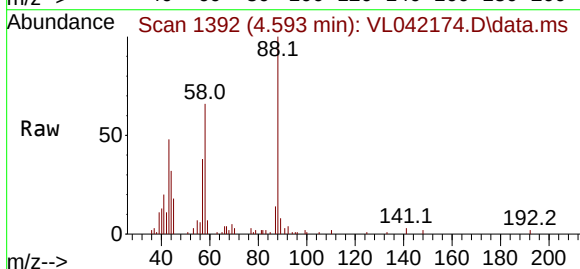
Ion Ratio Lower Upper

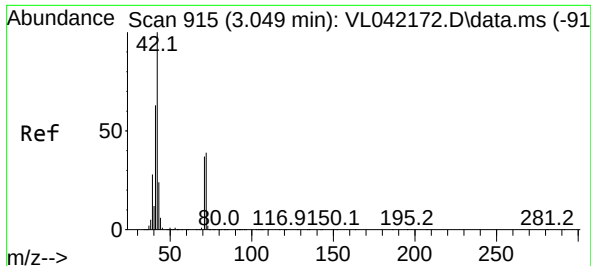
88 100

58 121.8 62.7 94.1#

43 0.0 23.0 34.4#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 1.029 ppbv

RT: 3.056 min Scan# 915

Delta R.T. 0.007 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

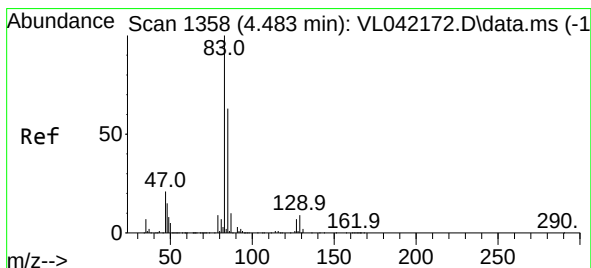
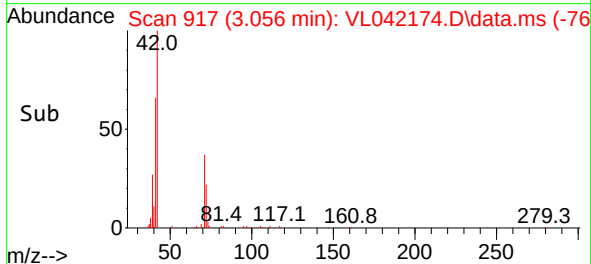
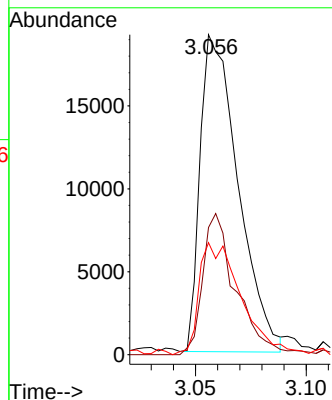
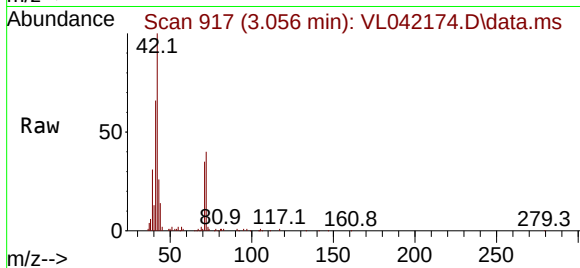
Tgt Ion: 42 Resp: 22818

Ion Ratio Lower Upper

42 100

72 39.4 31.4 47.0

71 40.8 30.2 45.4



#42

Bromodichloromethane

Concen: 0.996 ppbv

RT: 4.483 min Scan# 1358

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

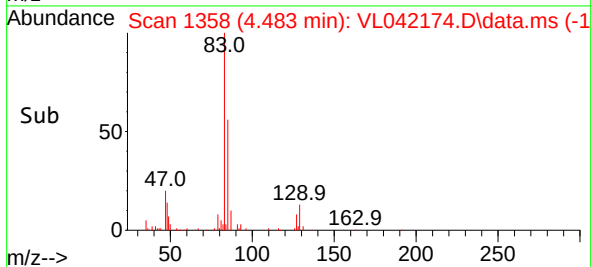
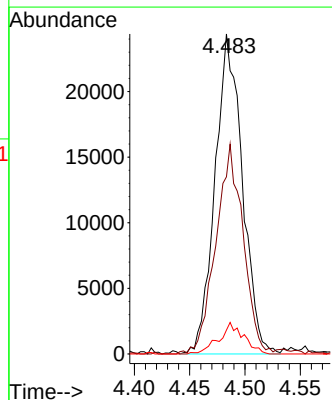
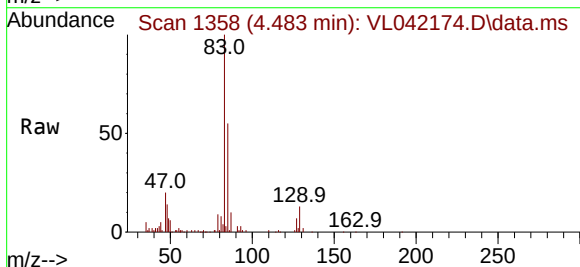
Tgt Ion: 83 Resp: 41864

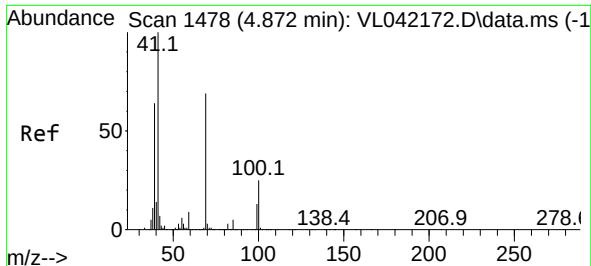
Ion Ratio Lower Upper

83 100

85 54.7 50.5 75.7

127 7.5 5.9 8.9

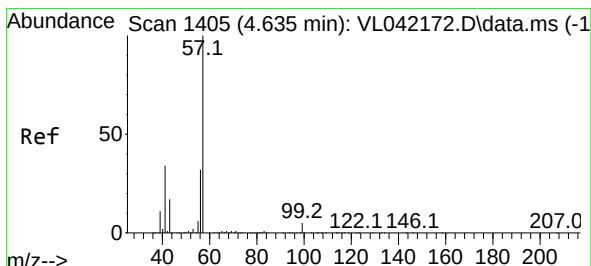
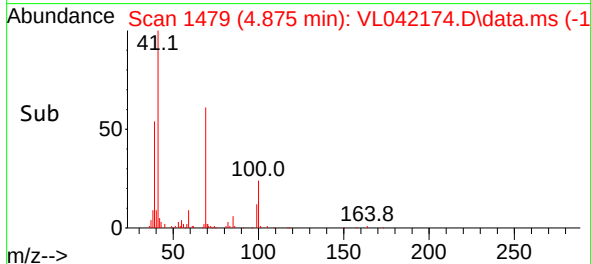
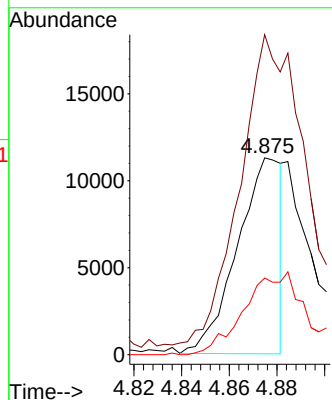
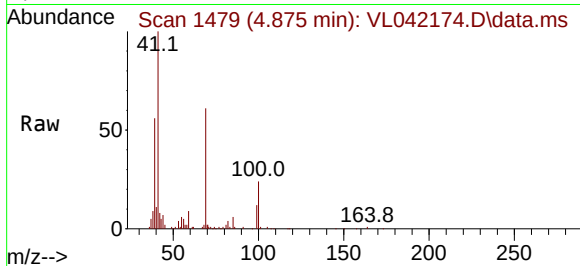




#43
Methyl Methacrylate
Concen: 0.640 ppbv
RT: 4.875 min Scan# 1478
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

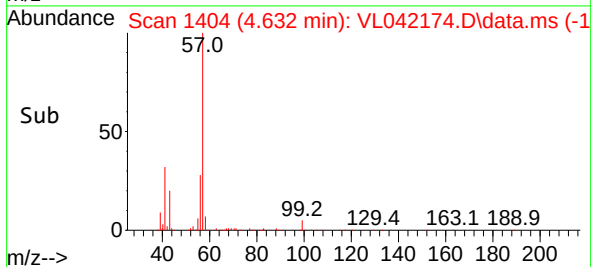
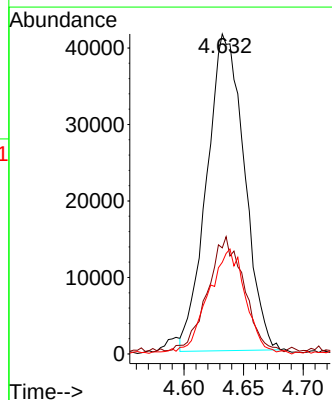
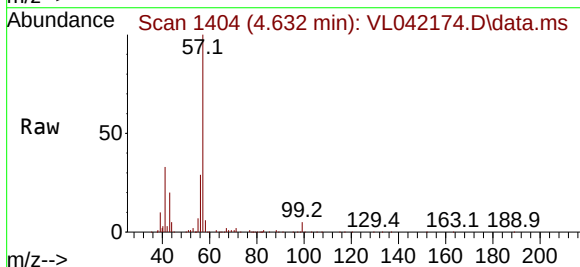
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

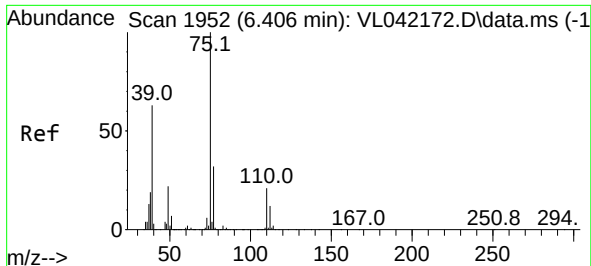
Tgt Ion: 69 Resp: 14387
Ion Ratio Lower Upper
69 100
41 246.1 123.8 185.6#
100 0.0 28.4 42.6#



#44
2,2,4-Trimethylpentane
Concen: 1.008 ppbv
RT: 4.632 min Scan# 1404
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 57 Resp: 90727
Ion Ratio Lower Upper
57 100
41 35.9 26.8 40.2
56 33.7 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 0.555 ppbv

RT: 6.412 min Scan# 1954

Delta R.T. 0.007 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

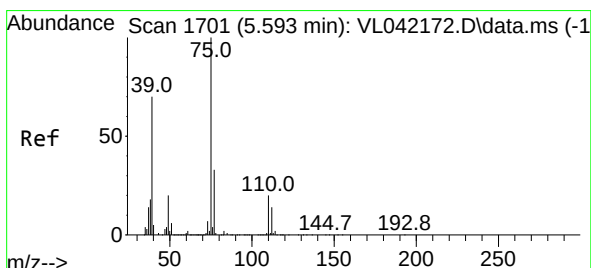
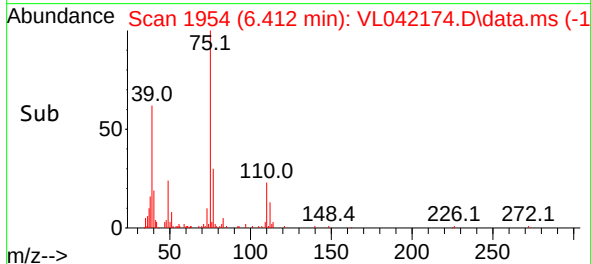
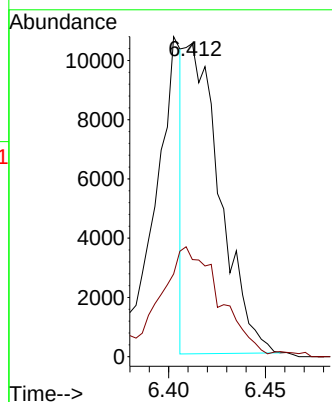
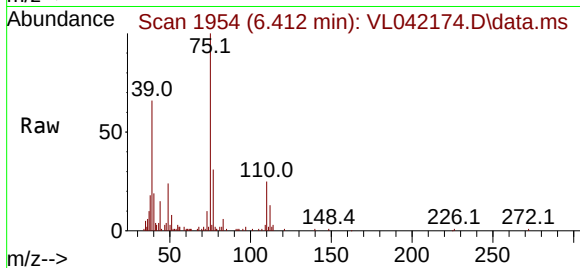
VSTDICC001

Tgt Ion: 75 Resp: 13431

Ion Ratio Lower Upper

75 100

77 31.0 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 1.014 ppbv

RT: 5.593 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

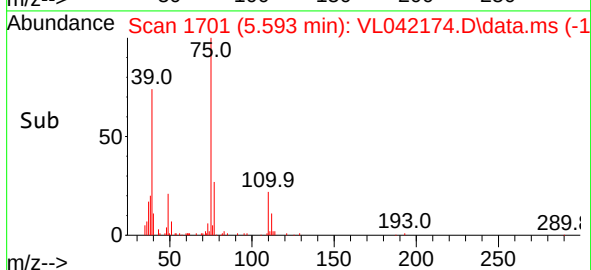
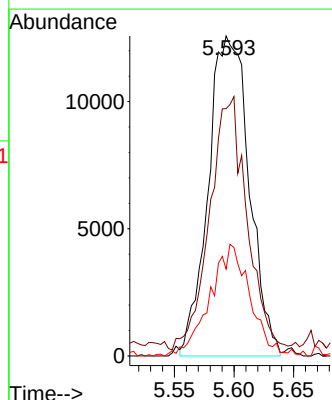
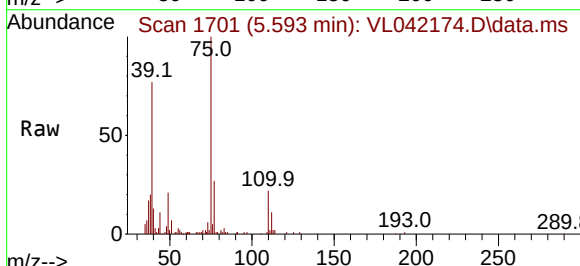
Tgt Ion: 75 Resp: 30063

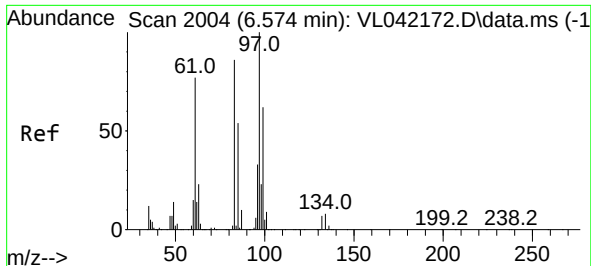
Ion Ratio Lower Upper

75 100

39 74.2 55.8 83.6

77 26.4 26.0 39.0

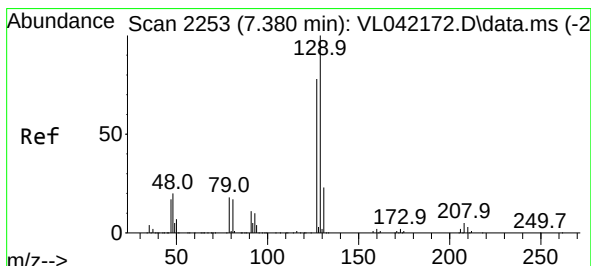
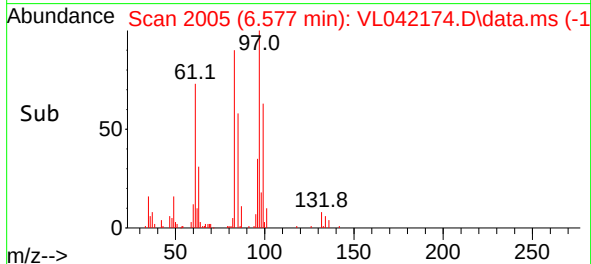
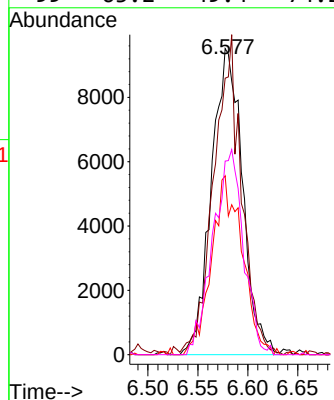
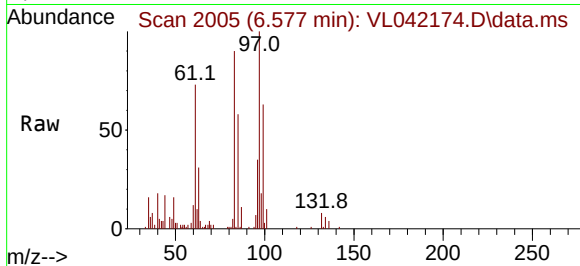




#47
1,1,2-Trichloroethane
Concen: 1.002 ppbv
RT: 6.577 min Scan# 2005
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

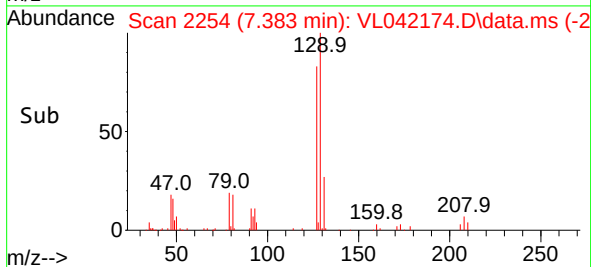
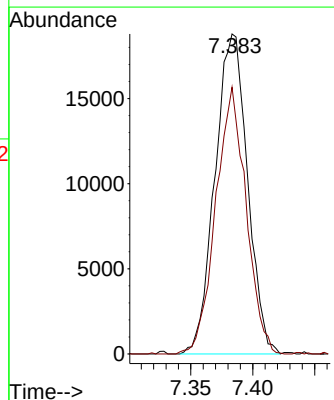
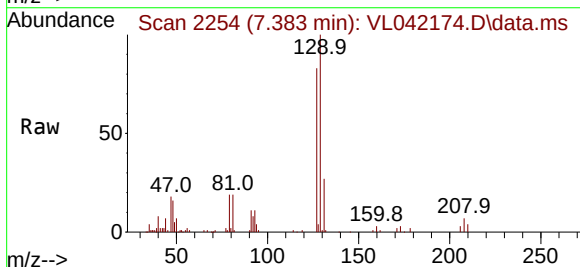
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

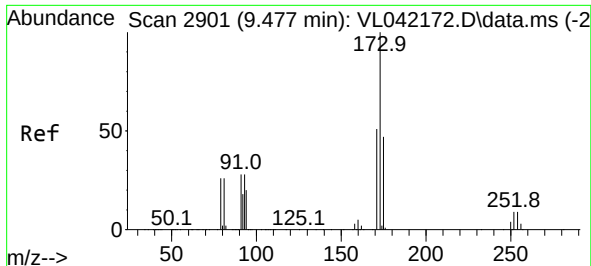
Tgt Ion: 97	Resp: 20546
Ion Ratio	Lower Upper
97 100	
83 89.7	69.2 103.8
85 58.4	43.1 64.7
99 63.2	49.4 74.2



#48
Dibromochloromethane
Concen: 0.991 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:129	Resp:	34425	
Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.1	117.2





#49

Bromoform

Concen: 1.013 ppbv

RT: 9.481 min Scan# 2901

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

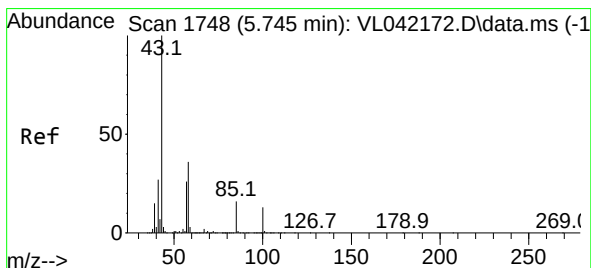
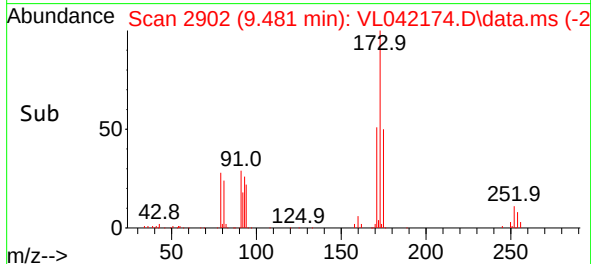
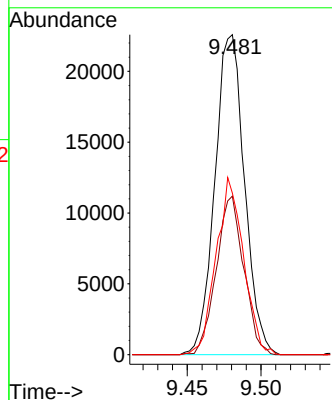
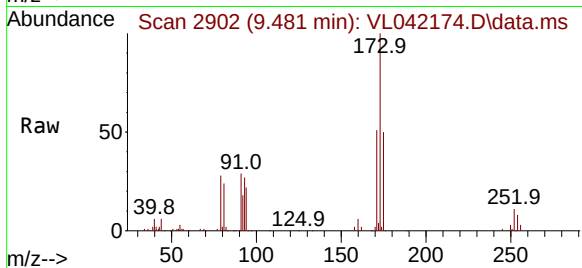
Tgt Ion:173 Resp: 31610

Ion Ratio Lower Upper

173 100

175 46.1 38.6 57.8

171 51.3 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 0.556 ppbv

RT: 5.752 min Scan# 1750

Delta R.T. 0.007 min

Lab File: VL042174.D

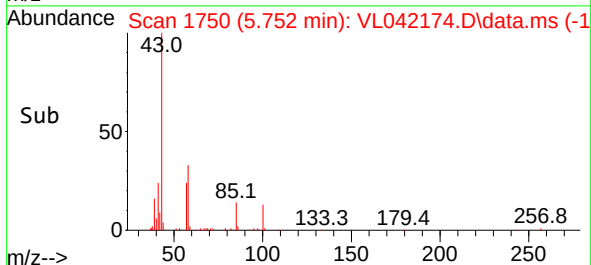
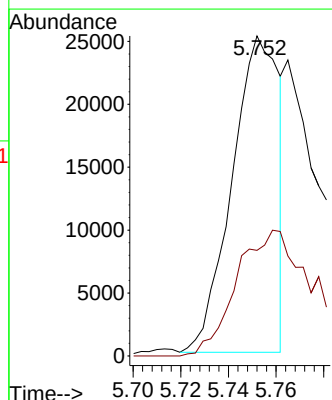
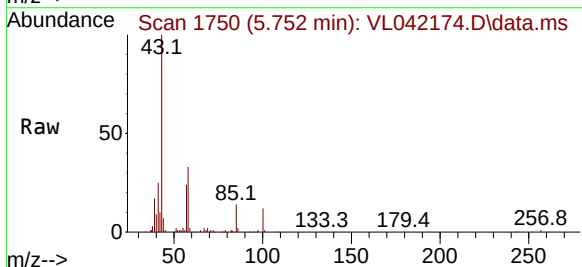
Acq: 27 Mar 2025 09:30

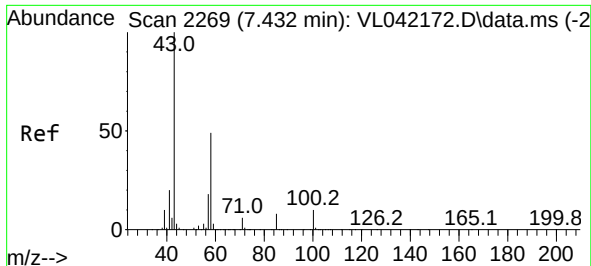
Tgt Ion: 43 Resp: 34358

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.6#

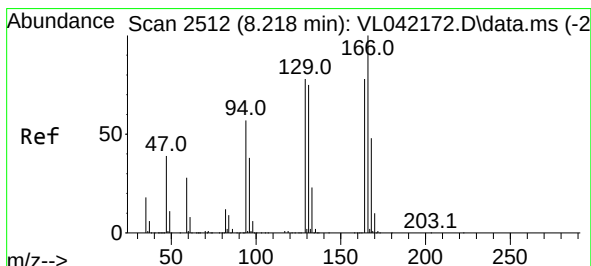
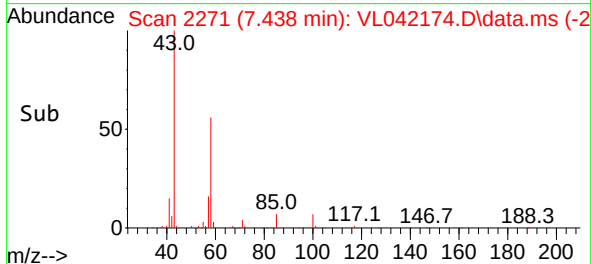
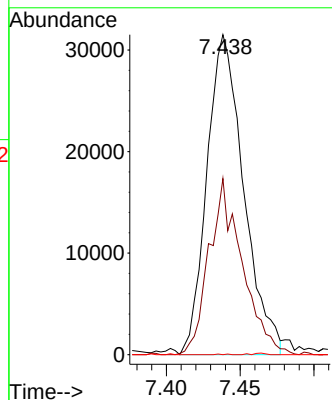
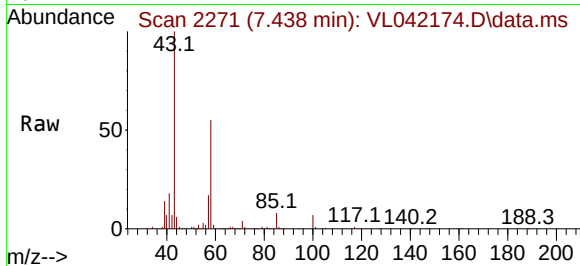




#51
2-Hexanone
Concen: 1.067 ppbv
RT: 7.438 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

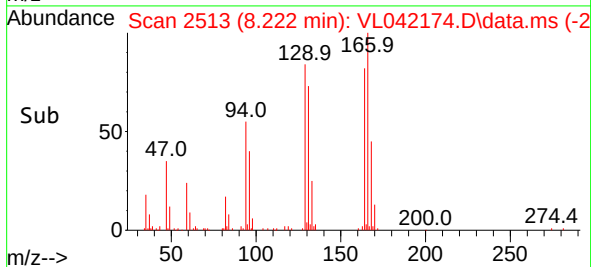
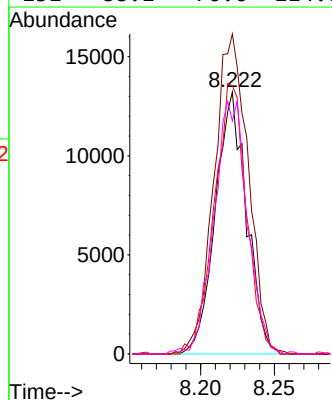
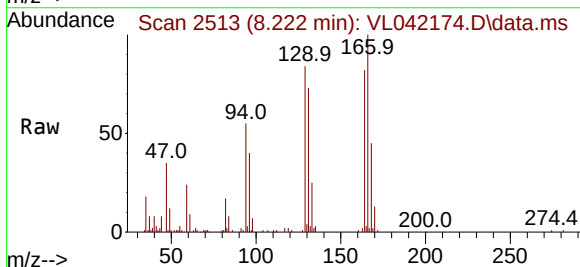
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

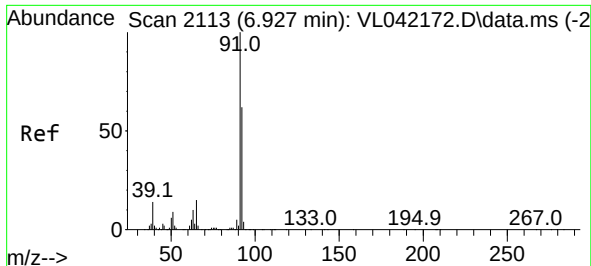
Tgt Ion: 43 Resp: 54680
Ion Ratio Lower Upper
43 100
58 49.8 39.7 59.5
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.919 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 164 Resp: 19415
Ion Ratio Lower Upper
164 100
166 121.4 102.5 153.7
129 102.4 79.8 119.8
131 88.1 76.6 114.8

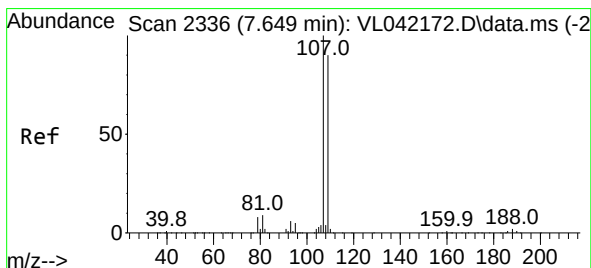
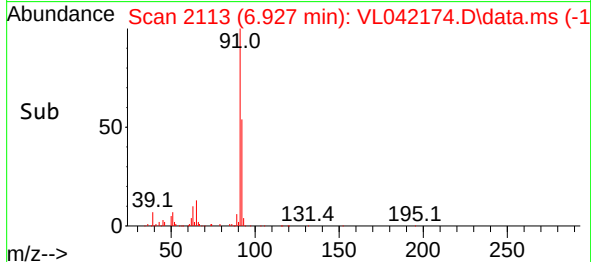
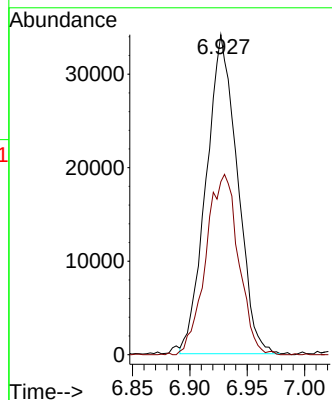
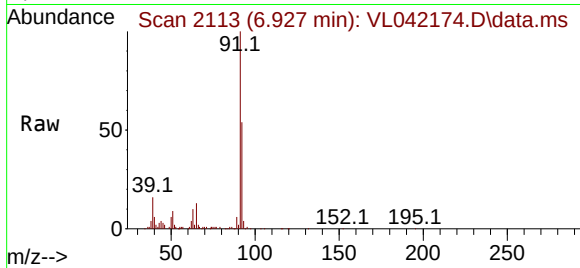




#53
Toluene
Concen: 1.023 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

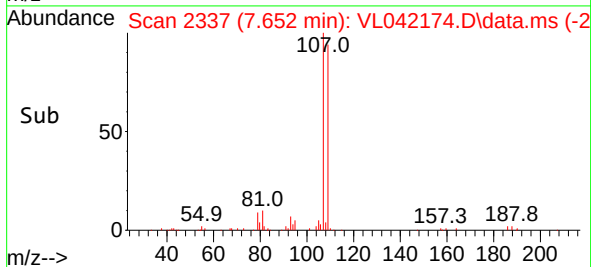
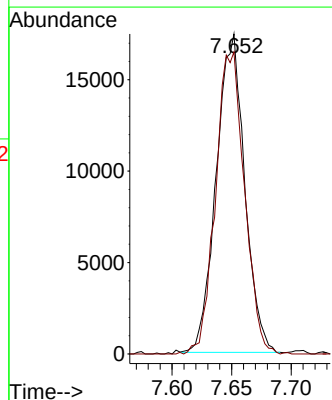
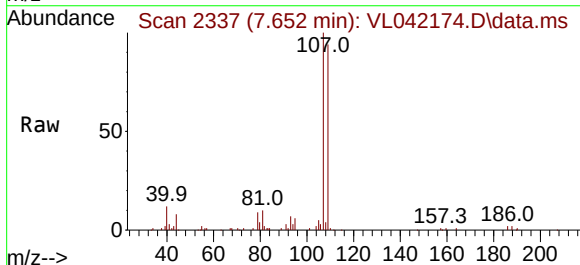
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

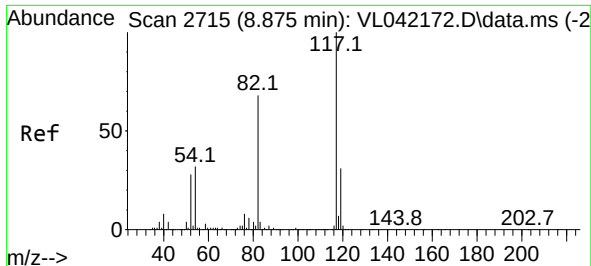
Tgt Ion: 91 Resp: 64612
Ion Ratio Lower Upper
91 100
92 59.4 48.4 72.6



#54
1,2-Dibromoethane
Concen: 1.009 ppbv
RT: 7.652 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 107 Resp: 28879
Ion Ratio Lower Upper
107 100
109 94.8 72.2 108.4

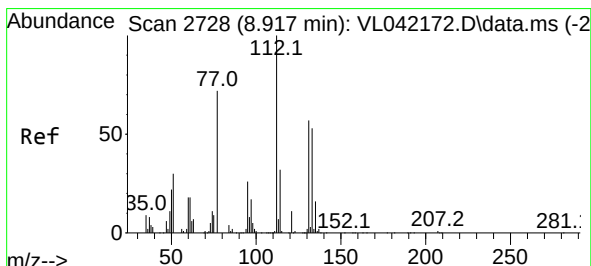
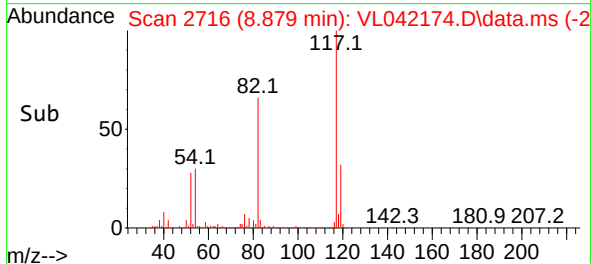
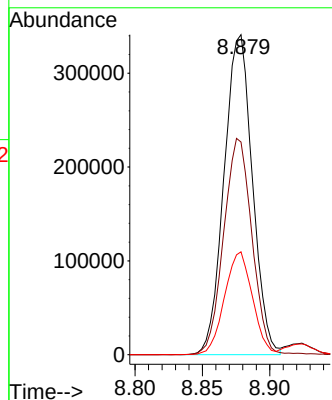
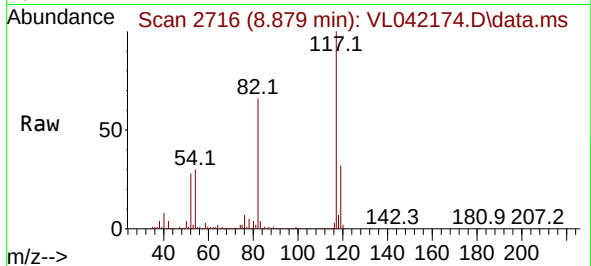




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

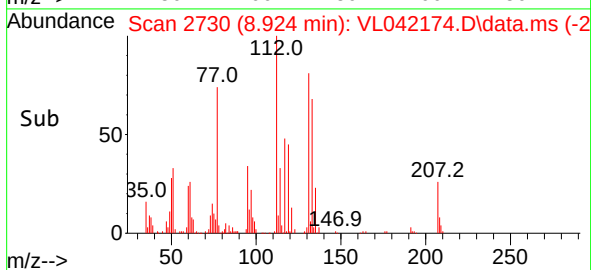
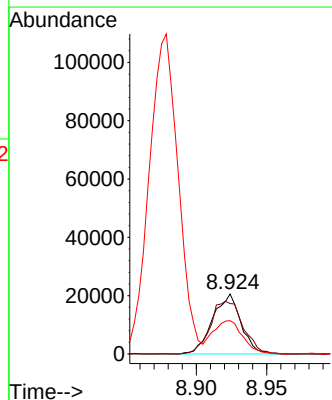
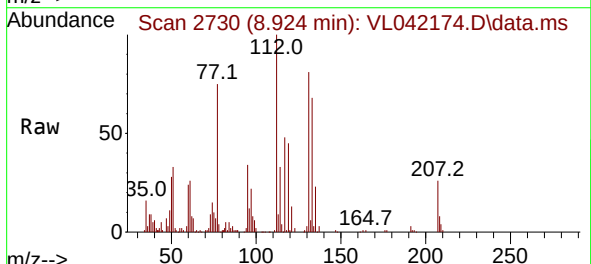
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

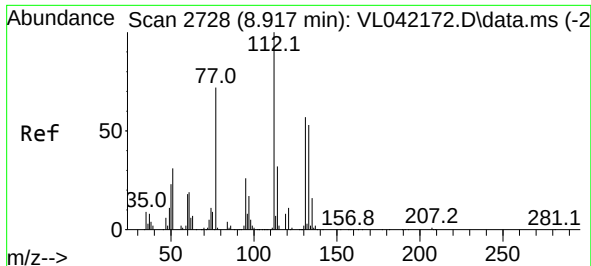
Tgt Ion:117 Resp: 499830
Ion Ratio Lower Upper
117 100
82 67.6 55.8 83.6
119 32.2 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 1.045 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.007 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:131 Resp: 28764
Ion Ratio Lower Upper
131 100
133 101.7 76.6 114.8
119 44.1 49.8 74.6#

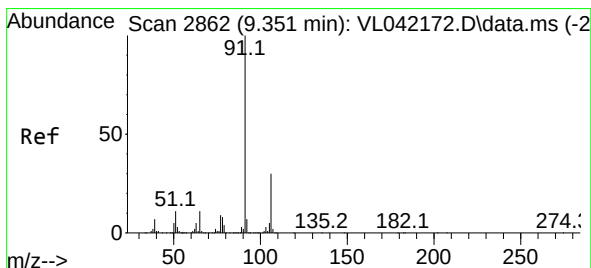
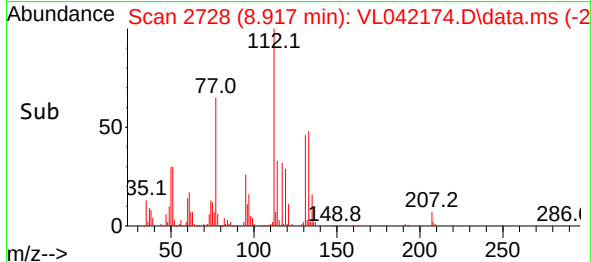
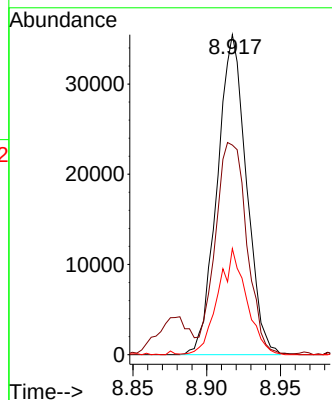
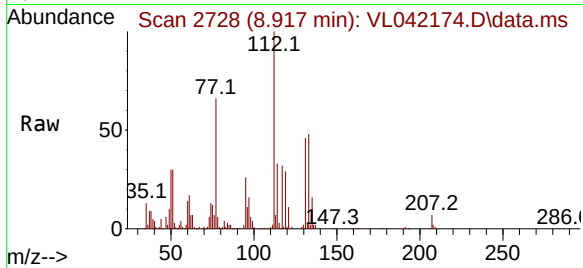




#57
Chlorobenzene
Concen: 1.032 ppbv
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

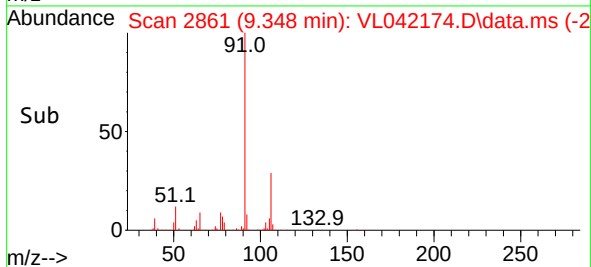
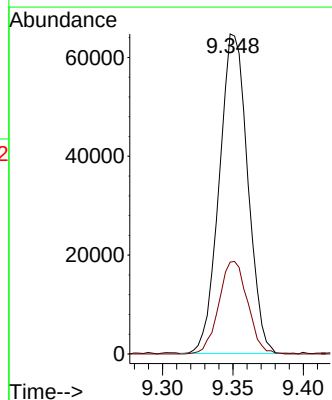
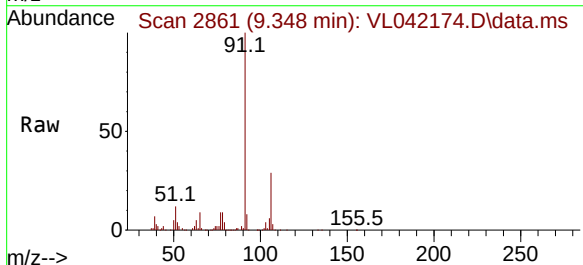
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC001

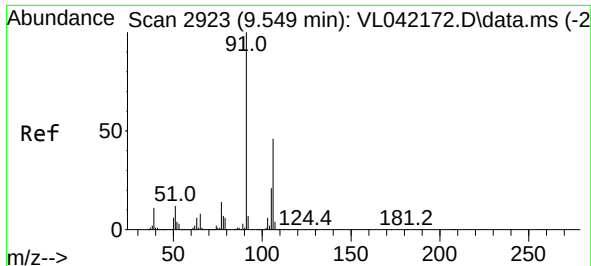
Tgt Ion:112 Resp: 48930
Ion Ratio Lower Upper
112 100
77 65.0 58.2 87.2
114 32.9 29.1 35.5



#58
Ethyl Benzene
Concen: 1.026 ppbv
RT: 9.348 min Scan# 2861
Delta R.T. -0.003 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 91 Resp: 91086
Ion Ratio Lower Upper
91 100
106 28.7 24.2 36.2





#59

m/p-Xylene

Concen: 1.033 ppbv

RT: 9.545 min Scan# 2923

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_1

ClientSampleId :

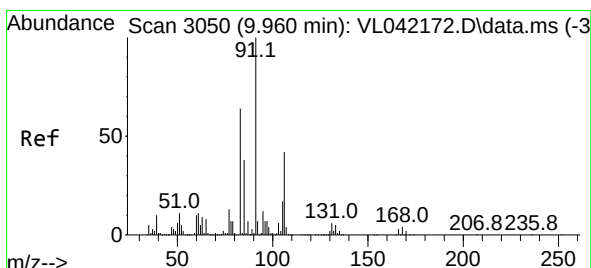
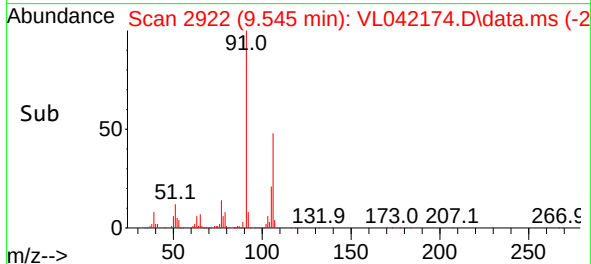
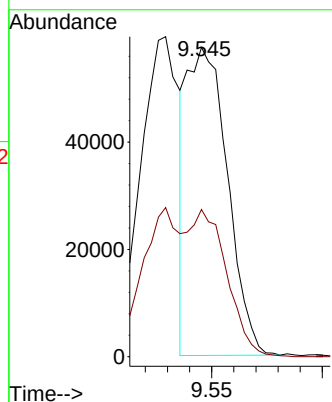
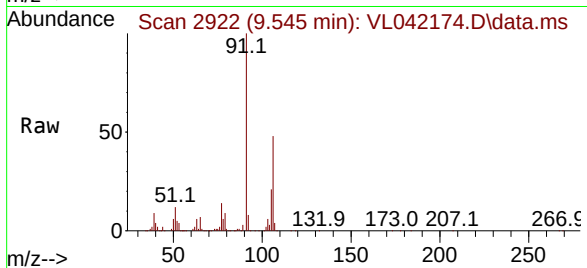
VSTDIC001

Tgt Ion: 91 Resp: 73295

Ion Ratio Lower Upper

91 100

106 0.0 36.4 54.6#



#60

o-Xylene

Concen: 1.037 ppbv

RT: 9.960 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VL042174.D

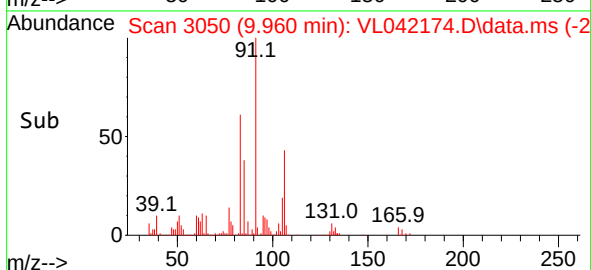
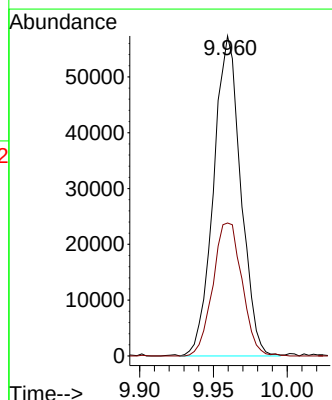
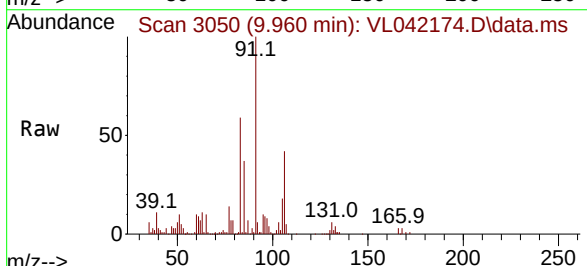
Acq: 27 Mar 2025 09:30

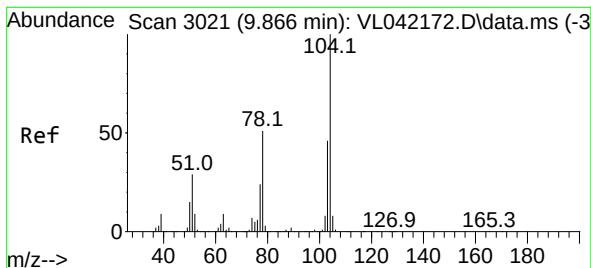
Tgt Ion: 91 Resp: 73702

Ion Ratio Lower Upper

91 100

106 44.3 20.8 62.5





#61

Styrene

Concen: 1.027 ppbv

RT: 9.866 min Scan# 3021

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

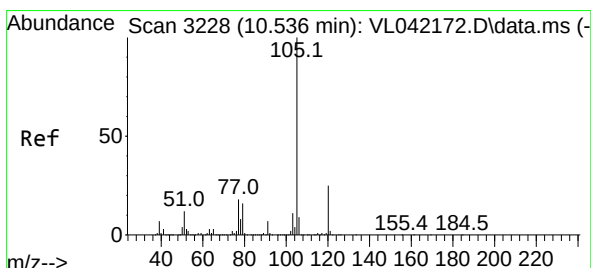
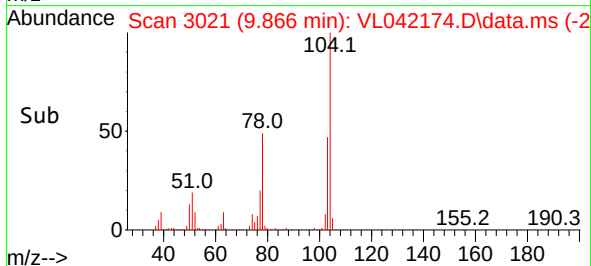
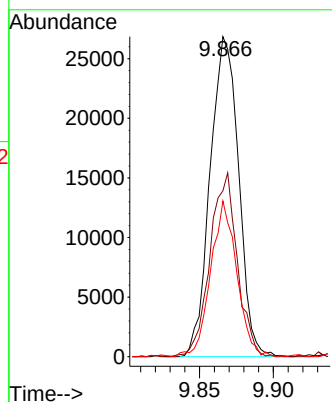
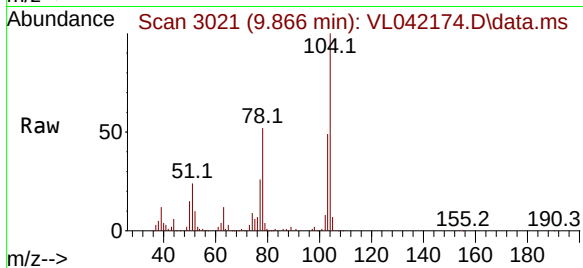
Tgt Ion:104 Resp: 36110

Ion Ratio Lower Upper

104 100

78 54.9 41.8 62.6

103 45.1 37.0 55.4



#62

Isopropylbenzene

Concen: 1.034 ppbv

RT: 10.536 min Scan# 3228

Delta R.T. 0.000 min

Lab File: VL042174.D

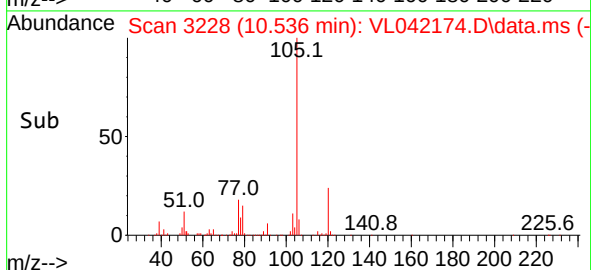
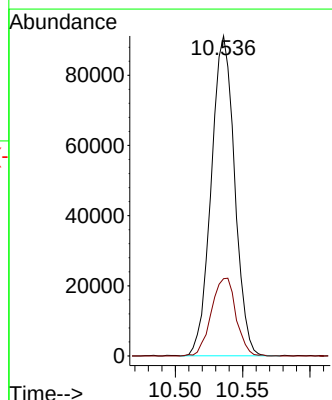
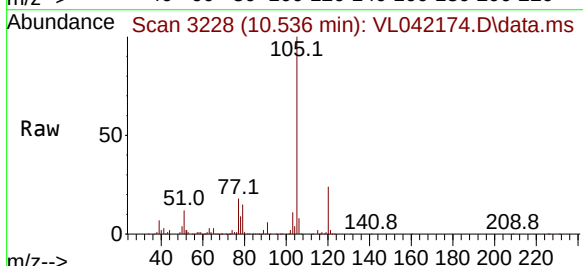
Acq: 27 Mar 2025 09:30

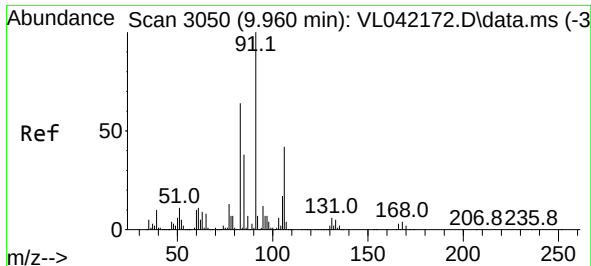
Tgt Ion:105 Resp: 109897

Ion Ratio Lower Upper

105 100

120 25.7 19.9 29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 1.029 ppbv

RT: 9.960 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

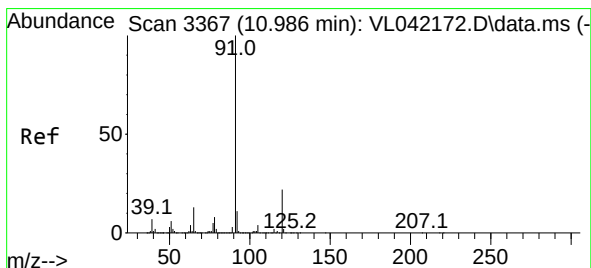
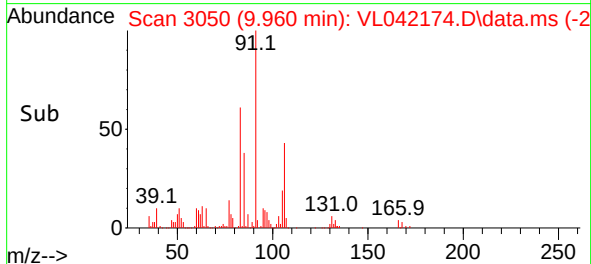
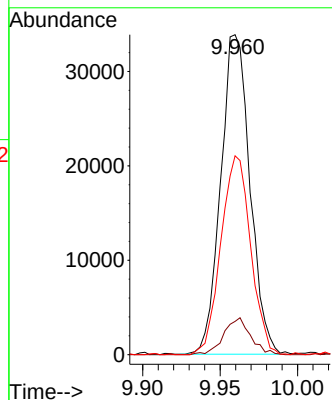
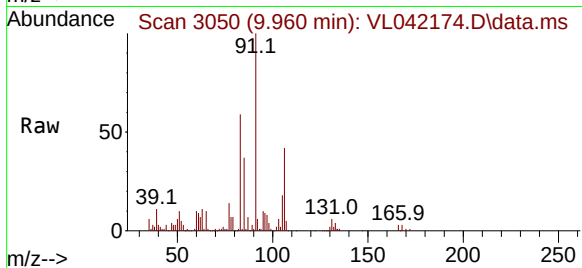
Tgt Ion: 83 Resp: 44431

Ion Ratio Lower Upper

83 100

131 10.6 4.8 14.4

85 64.0 32.5 97.5



#64

n-propylbenzene

Concen: 1.062 ppbv

RT: 10.986 min Scan# 3367

Delta R.T. 0.000 min

Lab File: VL042174.D

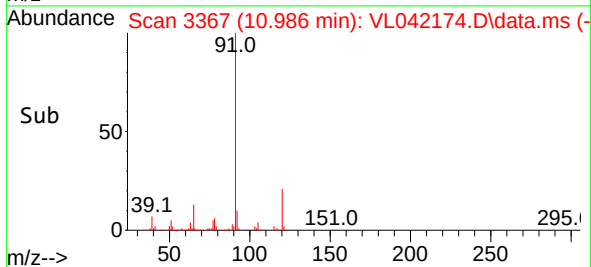
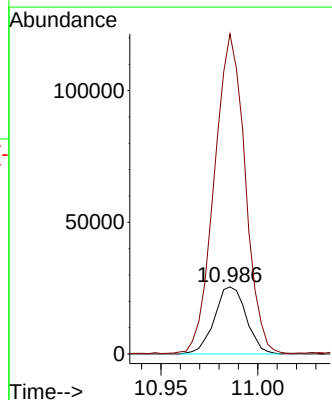
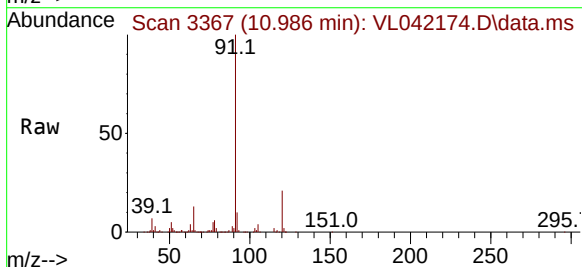
Acq: 27 Mar 2025 09:30

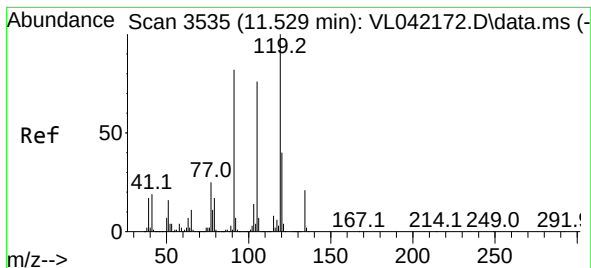
Tgt Ion: 120 Resp: 29054

Ion Ratio Lower Upper

120 100

91 466.9 376.9 565.3





#65

tert-Butylbenzene

Concen: 1.053 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

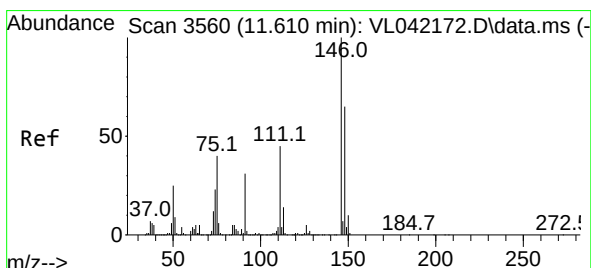
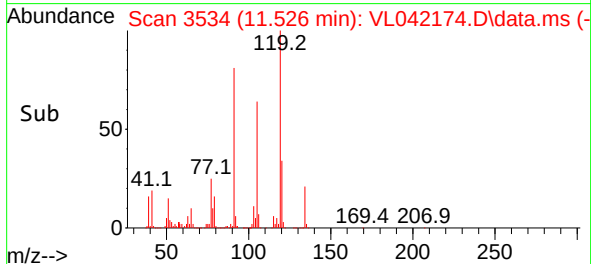
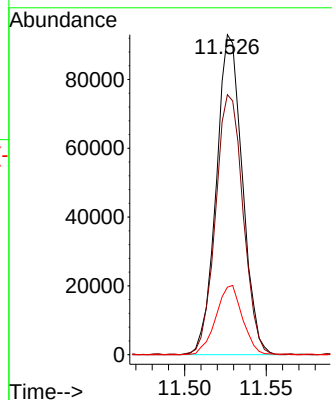
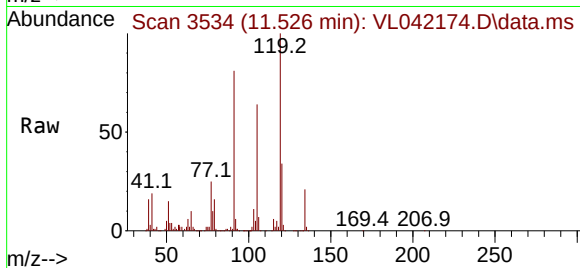
Tgt Ion:119 Resp: 103520

Ion Ratio Lower Upper

119 100

91 85.9 66.0 99.0

134 22.1 16.7 25.1



#66

Benzyl Chloride

Concen: 1.022 ppbv

RT: 11.614 min Scan# 3561

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

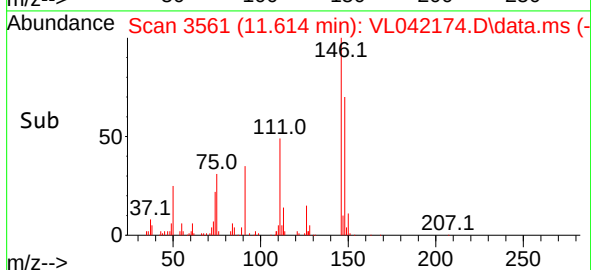
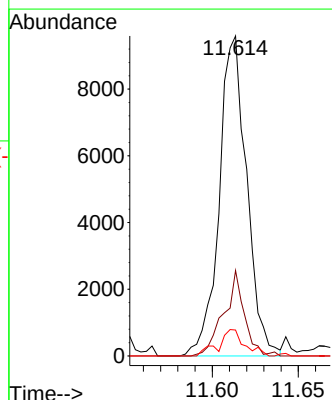
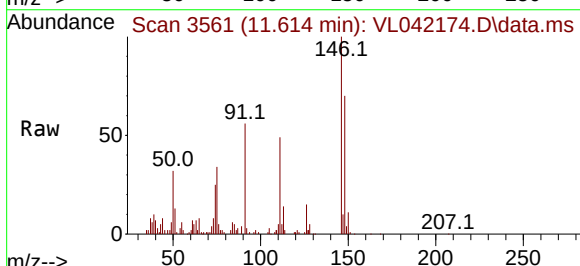
Tgt Ion: 91 Resp: 10660

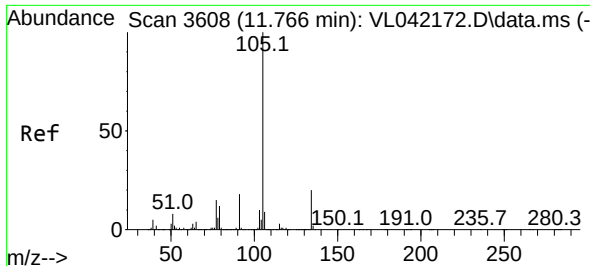
Ion Ratio Lower Upper

91 100

126 20.0 13.8 20.6

128 8.0 4.5 6.7#

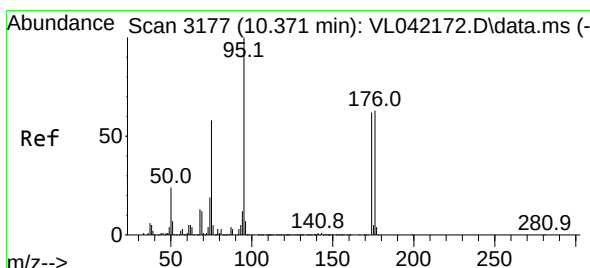
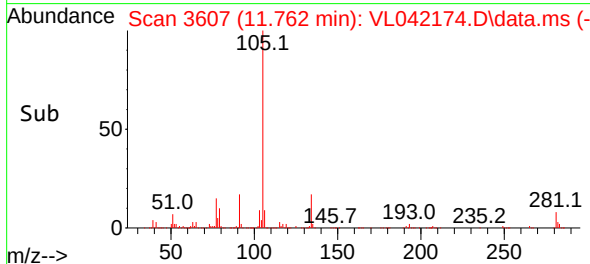
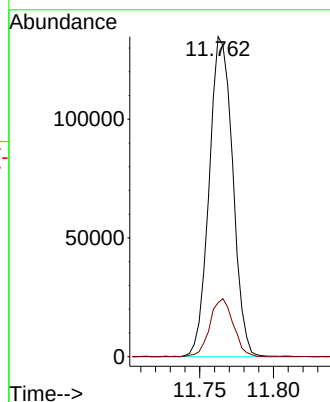
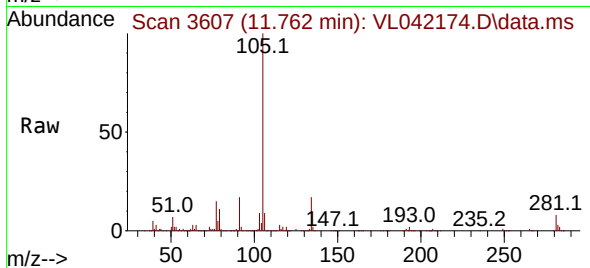




#67
 sec-Butylbenzene
 Concen: 1.095 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

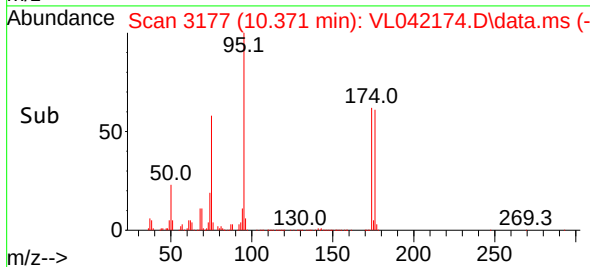
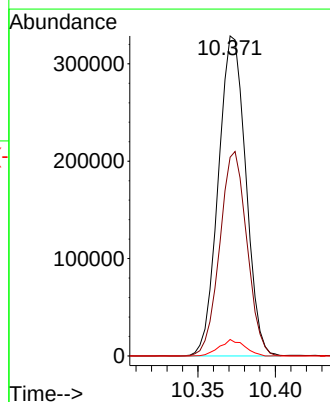
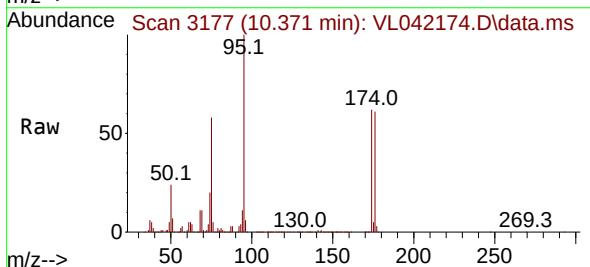
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

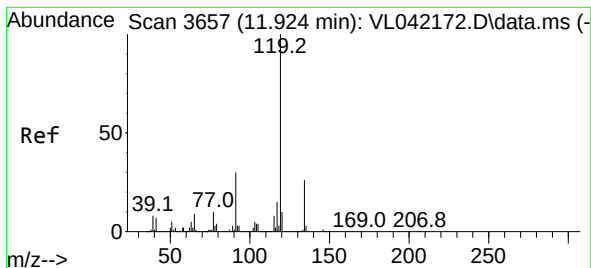
Tgt Ion:105 Resp: 149660
 Ion Ratio Lower Upper
 105 100
 134 18.1 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.861 ppbv
 RT: 10.371 min Scan# 3177
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion: 95 Resp: 404753
 Ion Ratio Lower Upper
 95 100
 174 63.4 50.6 76.0
 175 4.7 3.8 5.6





#69

p-Isopropyltoluene

Concen: 1.084 ppbv

RT: 11.921 min Scan# 3

Delta R.T. -0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

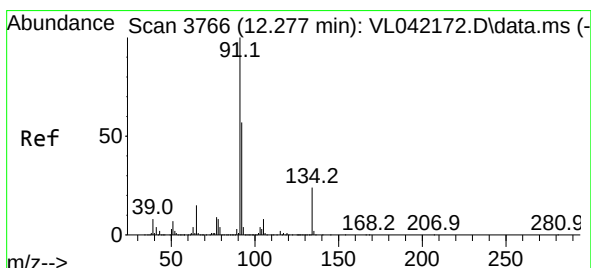
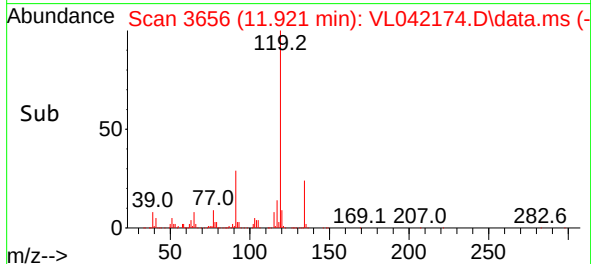
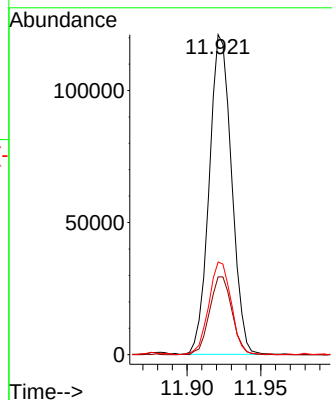
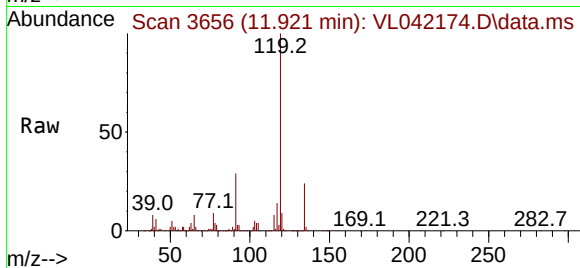
Tgt Ion:119 Resp: 127509

Ion Ratio Lower Upper

119 100

134 24.6 20.4 30.6

91 30.0 23.7 35.5



#70

n-Butylbenzene

Concen: 1.079 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.003 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

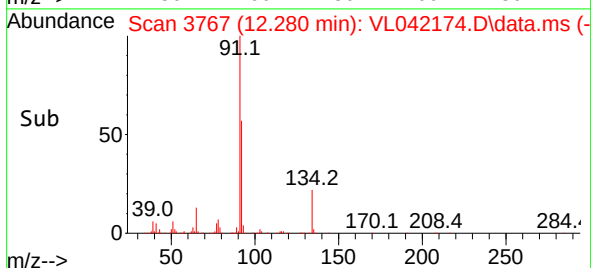
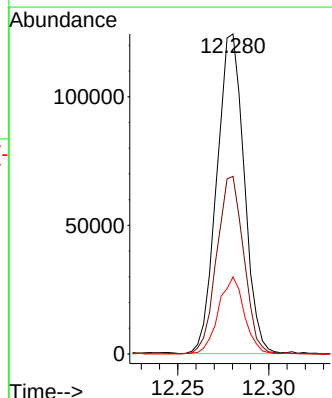
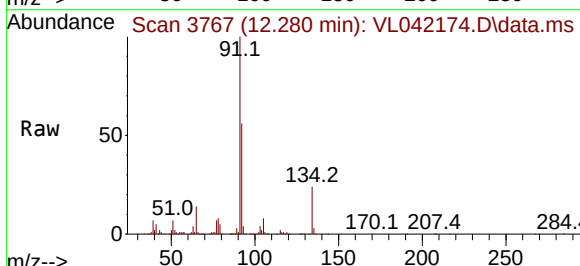
Tgt Ion: 91 Resp: 129860

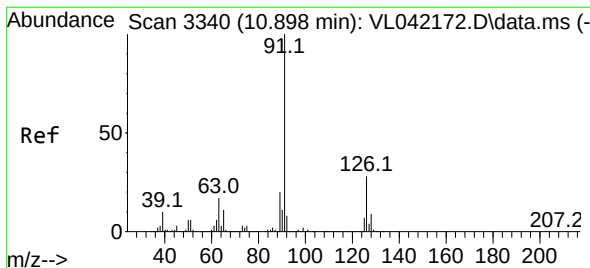
Ion Ratio Lower Upper

91 100

92 55.5 44.9 67.3

134 22.8 19.2 28.8

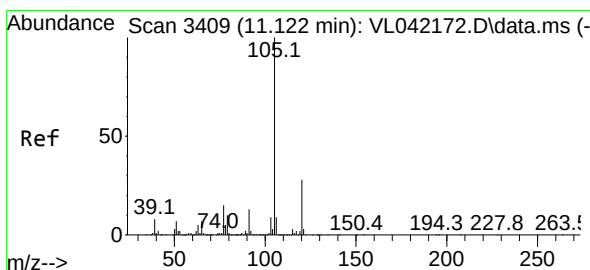
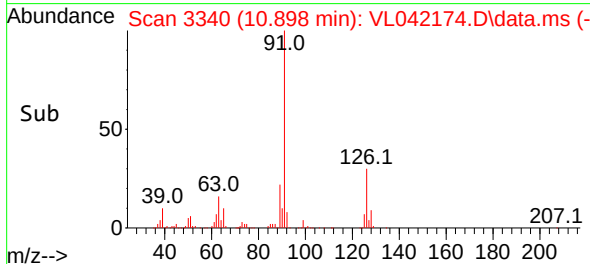
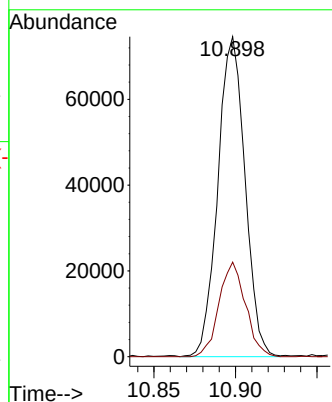
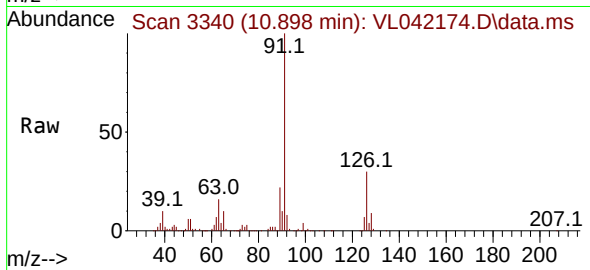




#71
2-Chlorotoluene
Concen: 1.047 ppbv
RT: 10.898 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

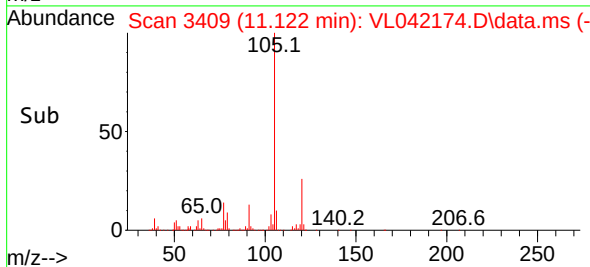
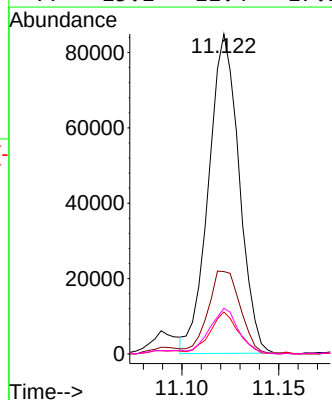
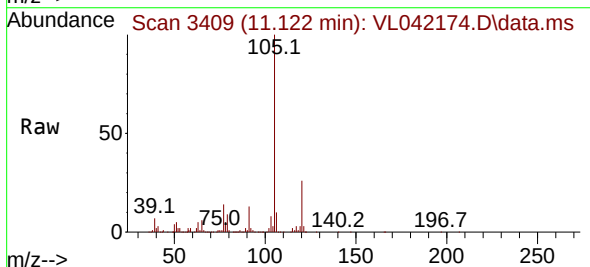
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

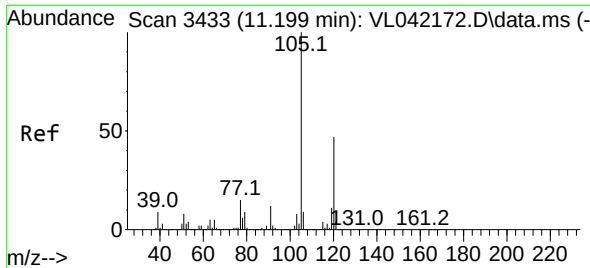
Tgt Ion: 91 Resp: 86356
Ion Ratio Lower Upper
91 100
126 28.8 11.6 46.4



#72
4-Ethyltoluene
Concen: 1.050 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion: 105 Resp: 92912
Ion Ratio Lower Upper
105 100
120 29.7 23.4 35.0
91 13.5 10.3 15.5
77 15.1 11.4 17.2

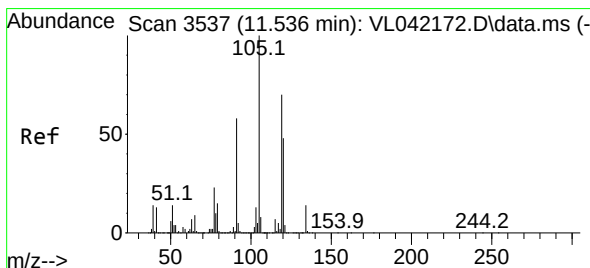
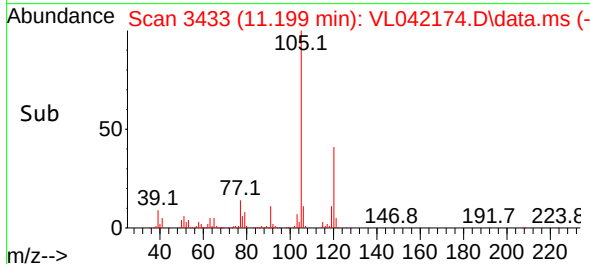
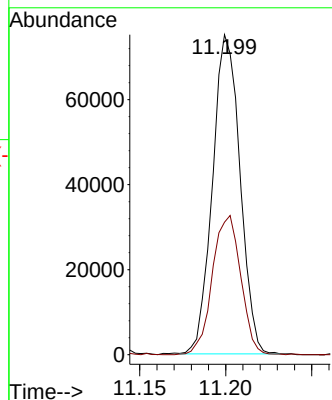
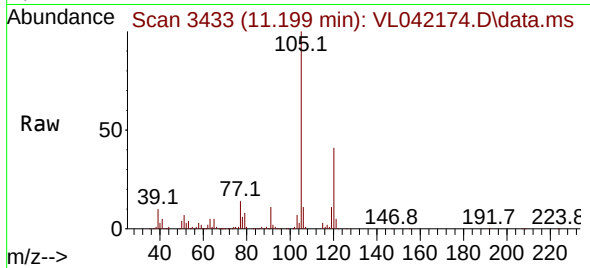




#73
 1,3,5-Trimethylbenzene
 Concen: 1.080 ppbv
 RT: 11.199 min Scan# 3433
 Delta R.T. 0.000 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

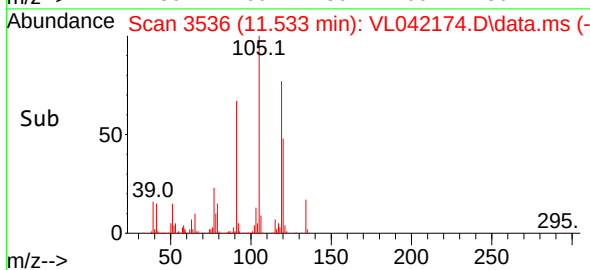
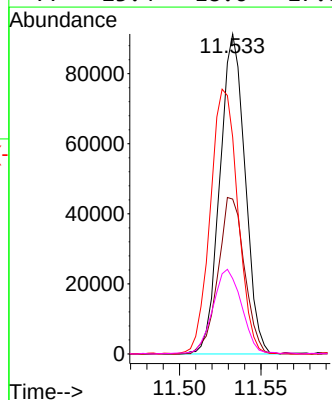
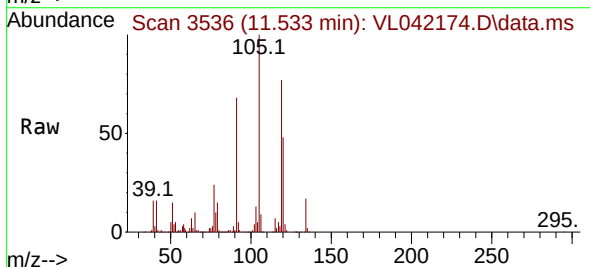
Instrument :
 MSVOA_1
 ClientSampleId :
 VSTDIC001

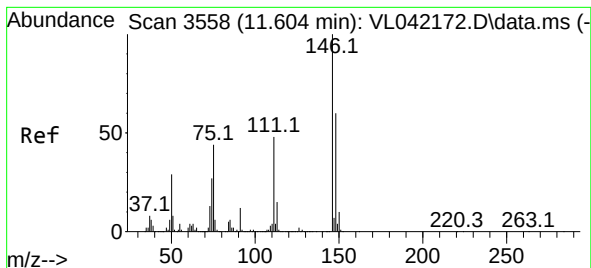
Tgt Ion:105 Resp: 83497
 Ion Ratio Lower Upper
 105 100
 120 41.3 37.4 56.0



#74
 1,2,4-Trimethylbenzene
 Concen: 1.099 ppbv
 RT: 11.533 min Scan# 3536
 Delta R.T. -0.003 min
 Lab File: VL042174.D
 Acq: 27 Mar 2025 09:30

Tgt Ion:105 Resp: 97858
 Ion Ratio Lower Upper
 105 100
 120 48.4 38.6 58.0
 91 67.6 46.2 69.2
 77 23.4 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 1.046 ppbv

RT: 11.604 min Scan# 3558

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

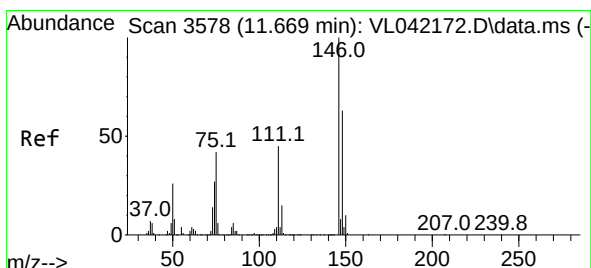
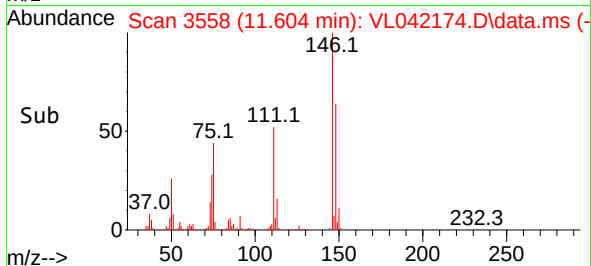
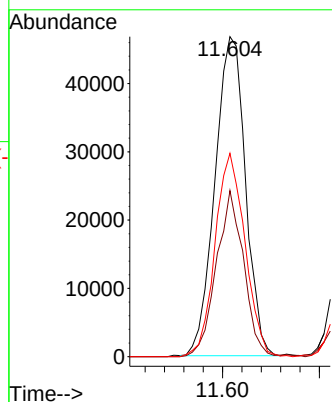
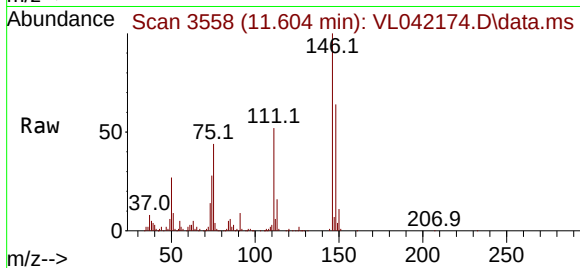
Tgt Ion:146 Resp: 51096

Ion Ratio Lower Upper

146 100

111 46.8 23.8 71.2

148 62.6 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 1.046 ppbv

RT: 11.669 min Scan# 3578

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

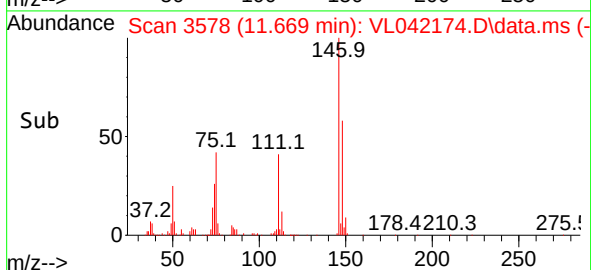
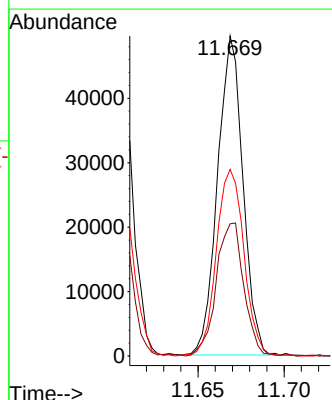
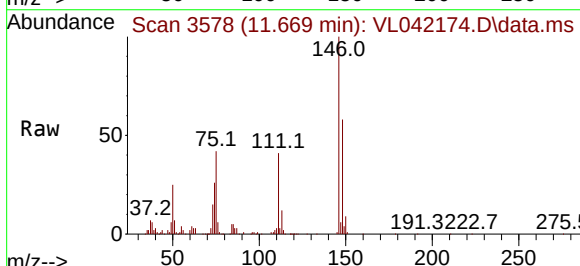
Tgt Ion:146 Resp: 50841

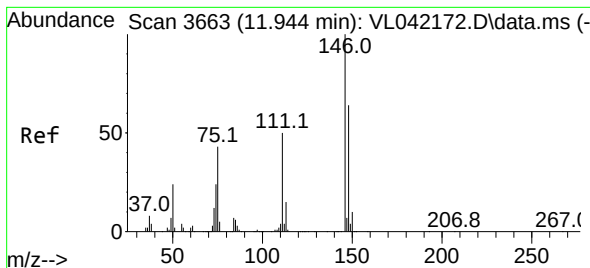
Ion Ratio Lower Upper

146 100

111 45.4 23.0 69.0

148 63.6 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 1.084 ppbv

RT: 11.944 min Scan# 3663

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC001

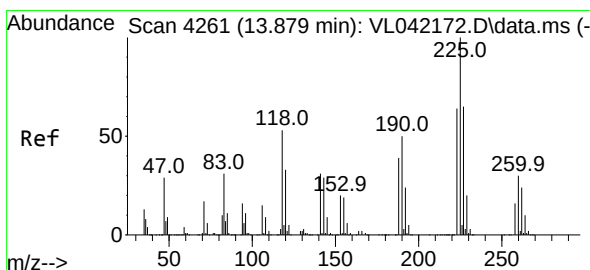
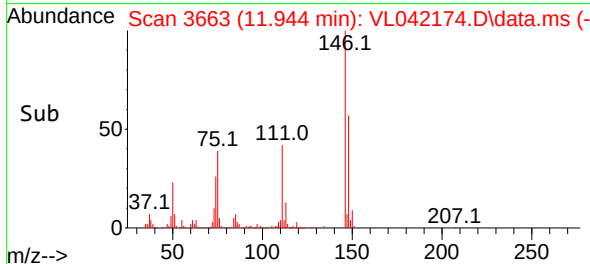
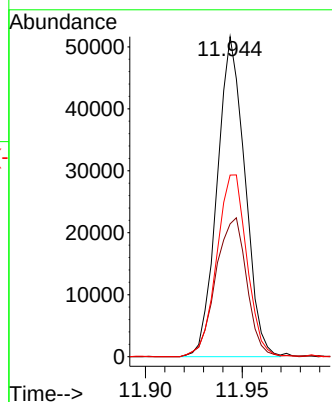
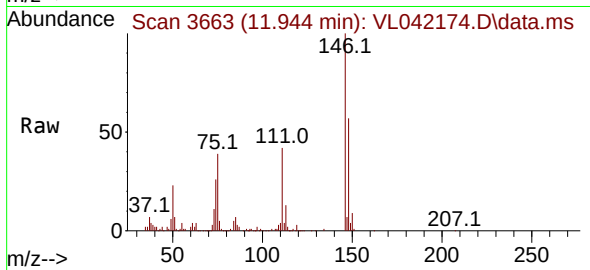
Tgt Ion:146 Resp: 51523

Ion Ratio Lower Upper

146 100

111 48.6 24.8 74.3

148 61.9 31.6 94.8



#78

Hexachloro-1,3-Butadiene

Concen: 1.149 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. 0.000 min

Lab File: VL042174.D

Acq: 27 Mar 2025 09:30

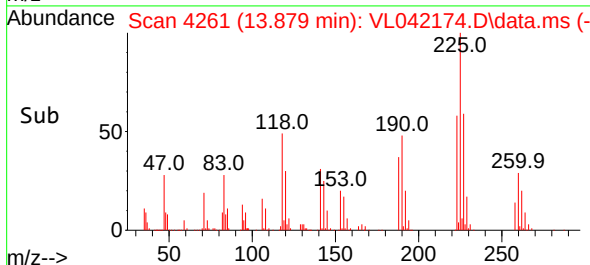
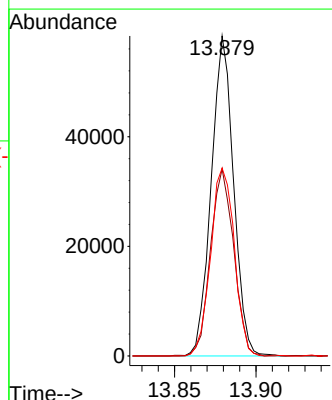
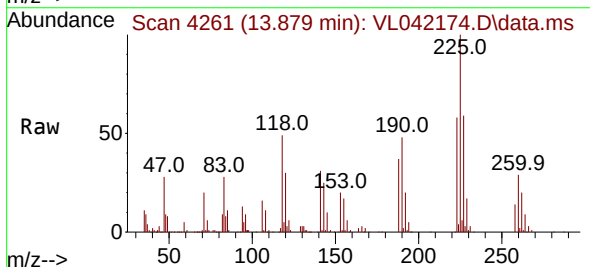
Tgt Ion:225 Resp: 55611

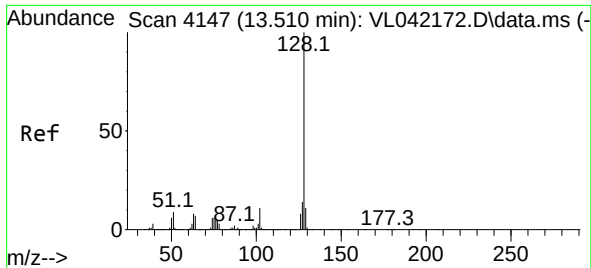
Ion Ratio Lower Upper

225 100

223 60.8 50.6 76.0

227 62.3 51.2 76.8

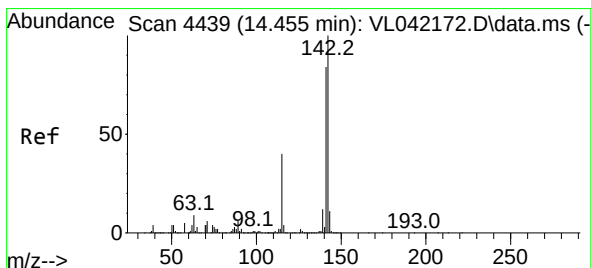
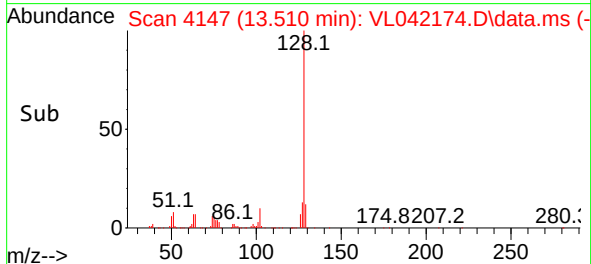
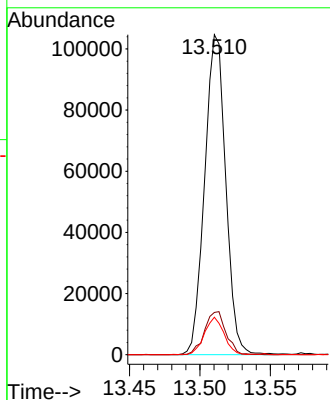
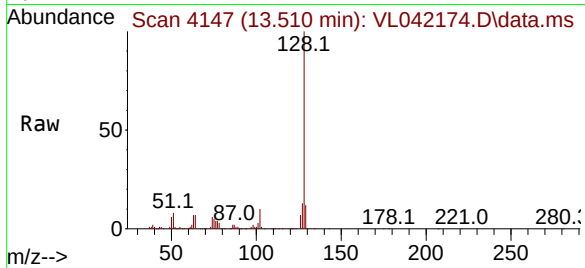




#79
Naphthalene
Concen: 1.120 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

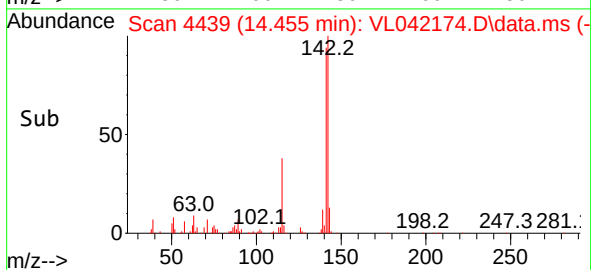
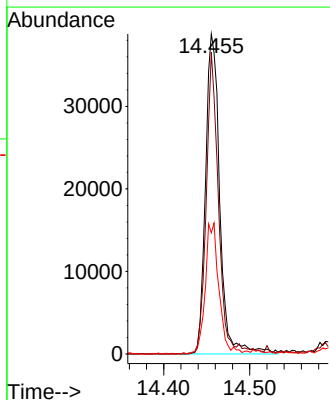
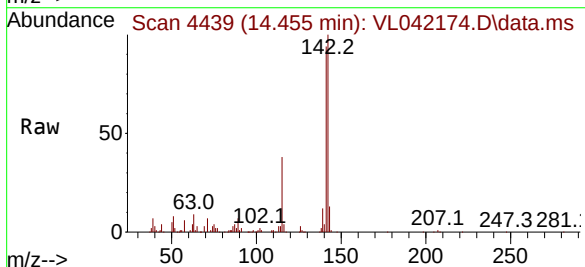
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

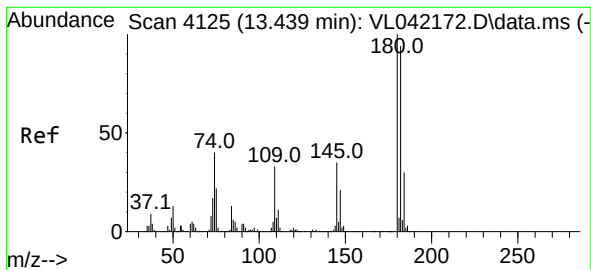
Tgt Ion:128 Resp: 109031
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 11.7 9.0 13.4



#80
Naphthalene,2-methyl-
Concen: 0.939 ppbv
RT: 14.455 min Scan# 4439
Delta R.T. 0.000 min
Lab File: VL042174.D
Acq: 27 Mar 2025 09:30

Tgt Ion:142 Resp: 44518
Ion Ratio Lower Upper
142 100
141 83.4 66.3 99.5
115 41.5 31.6 47.4





#81

1,2,4-Trichlorobenzene

Concen: 1.047 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042174.D

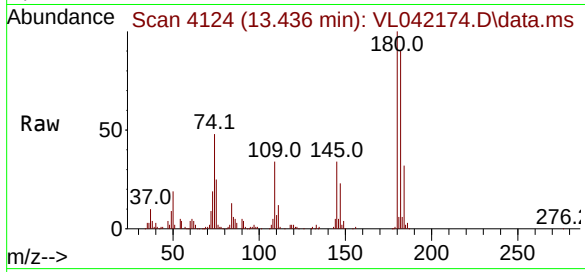
Acq: 27 Mar 2025 09:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 47040

Ion Ratio Lower Upper

180 100

182 95.7 75.1 112.7

184 31.4 24.4 36.6

