

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041125\
 Data File : VL042314.D
 Acq On : 11 Apr 2025 11:23
 Operator : SY/MD
 Sample : VL0411ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0411ABS01

Quant Time: Apr 11 22:57:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	178456	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	444353	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	386060	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	314180	9.910	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.100%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.496	85	260154	9.873	ppbv	99
3) Chlorodifluoromethane	1.473	51	278310	10.339	ppbv	99
4) Chloromethane	1.531	50	109906	10.207	ppbv	97
5) Vinyl Chloride	1.577	62	99540	8.723	ppbv	96
6) Bromomethane	1.667	94	43354	8.884	ppbv	99
7) Chloroethane	1.703	64	40372	9.340	ppbv	100
8) Dichlorotetrafluoroethane	1.551	85	219210	9.769	ppbv	94
9) Propene	1.483	41	109077	8.841	ppbv	98
10) Heptane	4.975	43	325268	9.912	ppbv	98
11) Trichlorofluoromethane	1.874	101	247344	9.647	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	191456	9.085	ppbv	97
13) Ethanol	1.719	45	4928	4.225	ppbv	95
14) Bromoethene	1.780	108	70702	8.758	ppbv	99
15) Acetone	1.832	43	228988	9.175	ppbv	95
16) 1,3-Butadiene	1.606	39	110429	9.060	ppbv	97
17) tert-Butyl alcohol	2.039	59	243034	7.818	ppbv	100
18) 1,1-Dichloroethene	2.030	96	83233	8.449	ppbv	97
19) Isopropyl Alcohol	1.884	45	118345	8.404	ppbv #	34
20) Methylene Chloride	2.059	84	75264	8.097	ppbv	93
21) Allyl Chloride	2.094	41	157261	8.934	ppbv	98
22) trans-1,2-Dichloroethene	2.337	96	98769	8.674	ppbv	96
23) Vinyl Acetate	2.460	43	86563	8.014	ppbv	98
24) 1,1-Dichloroethane	2.405	63	206840	9.800	ppbv	99
25) Ethyl Acetate	2.836	43	656719	10.138	ppbv	99
26) Hexane	2.823	57	249860	9.986	ppbv	98
27) Carbon Disulfide	2.146	76	236998	8.833	ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	122818	7.884	ppbv	97
29) Chloroform	2.845	83	384713	10.506	ppbv	100
30) Cyclohexane	3.852	84	196133	9.028	ppbv	97
31) cis-1,2-Dichloroethene	2.719	61	233371	9.187	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	370405	8.836	ppbv	98
34) 2-Butanone	2.554	43	362633	11.254	ppbv	98
35) Carbon Tetrachloride	3.758	117	389738	11.228	ppbv	99
36) Benzene	3.654	78	490339	11.131	ppbv	96
37) 1,2-Dichloroethane	3.214	62	290983	11.538	ppbv	100
38) Trichloroethene	4.545	130	195654	10.645	ppbv	99
39) 1,2-Dichloropropane	4.312	63	179954	11.217	ppbv	91
40) 1,4-Dioxane	4.580	88	80106	9.408	ppbv #	83
41) Tetrahydrofuran	3.052	42	202793	10.930	ppbv	94
42) Bromodichloromethane	4.486	83	405729	11.669	ppbv	97
43) Methyl Methacrylate	4.875	69	177423	9.514	ppbv	98
44) 2,2,4-Trimethylpentane	4.635	57	850971	11.431	ppbv	97
45) t-1,3-Dichloropropene	6.412	75	166246	8.309	ppbv	93

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 Sample : VL0411ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

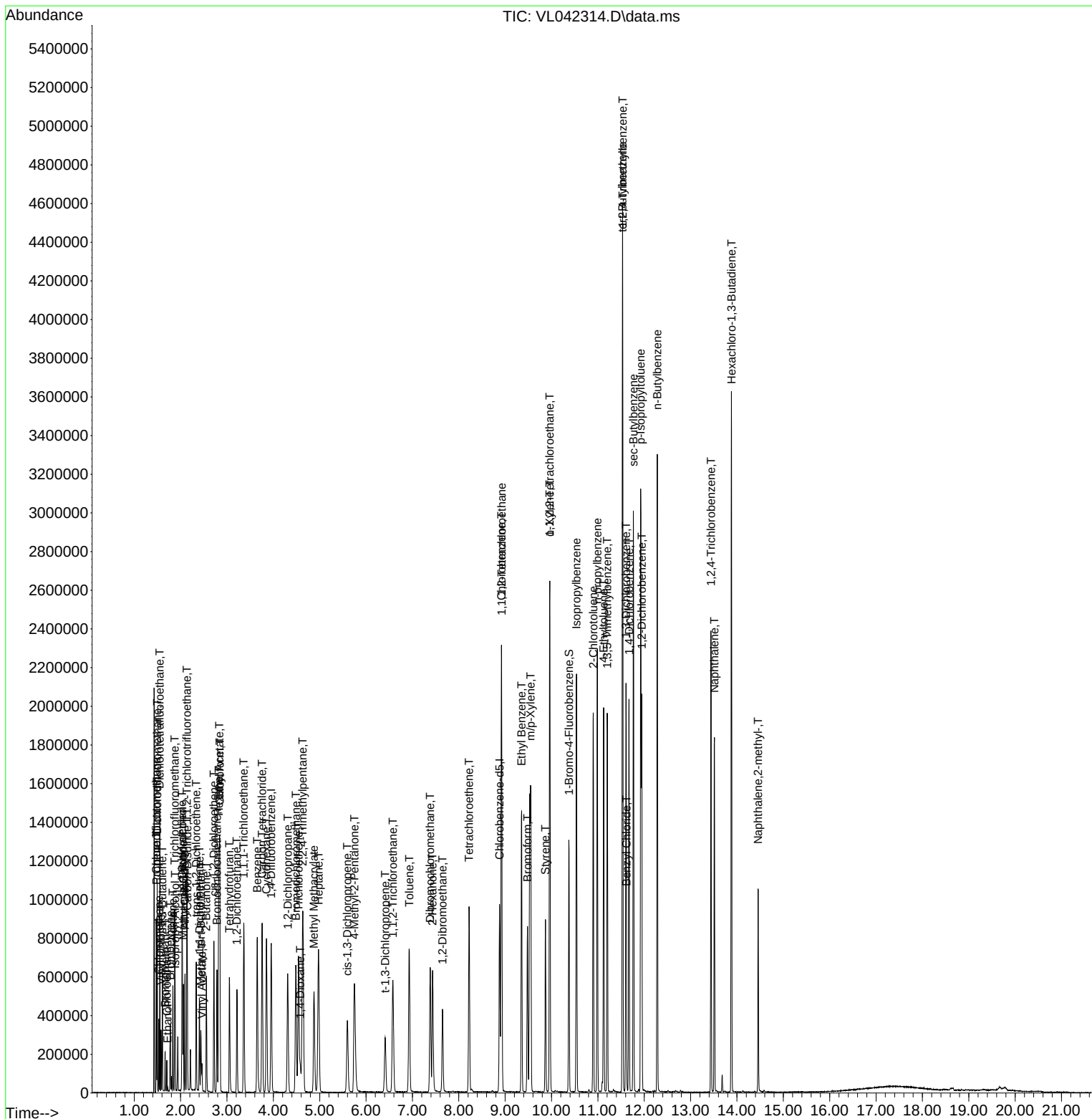
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 ClientSampleId :
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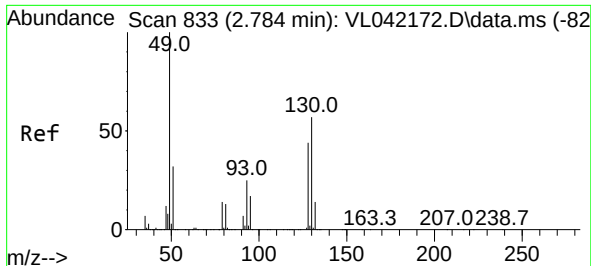
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	225952	9.213	ppbv	99
47) 1,1,2-Trichloroethane	6.580	97	198762	11.720	ppbv	97
48) Dibromochloromethane	7.383	129	321370	11.181	ppbv	100
49) Bromoform	9.480	173	291905	11.313	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	514910	10.084	ppbv	95
51) 2-Hexanone	7.435	43	414681	9.889	ppbv #	94
52) Tetrachloroethene	8.221	164	165666	9.483	ppbv	96
53) Toluene	6.933	91	526341	10.079	ppbv	99
54) 1,2-Dibromoethane	7.649	107	264126	11.172	ppbv	97
56) 1,1,1,2-Tetrachloroethane	8.924	131	271061	12.755	ppbv	97
57) Chlorobenzene	8.921	112	457204	12.486	ppbv	96
58) Ethyl Benzene	9.354	91	761549	11.105	ppbv	98
59) m/p-Xylene	9.548	91	575744	10.514	ppbv #	6
60) o-Xylene	9.963	91	654791	11.929	ppbv	96
61) Styrene	9.869	104	284318	10.470	ppbv	98
62) Isopropylbenzene	10.539	105	975799	11.887	ppbv	98
63) 1,1,2,2-Tetrachloroethane	9.963	83	440972	13.222	ppbv	100
64) n-propylbenzene	10.989	120	264518	12.518	ppbv	96
65) tert-Butylbenzene	11.529	119	908946	11.973	ppbv	99
66) Benzyl Chloride	11.617	91	69548	8.634	ppbv	98
67) sec-Butylbenzene	11.765	105	1300090	12.320	ppbv	100
69) p-Isopropyltoluene	11.924	119	1095041	12.051	ppbv	98
70) n-Butylbenzene	12.280	91	1129853	12.159	ppbv	100
71) 2-Chlorotoluene	10.901	91	749737	11.768	ppbv	99
72) 4-Ethyltoluene	11.125	105	825037	12.071	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	711175	11.914	ppbv	99
74) 1,2,4-Trimethylbenzene	11.536	105	816505	11.873	ppbv	91
75) 1,3-Dichlorobenzene	11.607	146	484099	12.835	ppbv	98
76) 1,4-Dichlorobenzene	11.672	146	485460	12.933	ppbv	98
77) 1,2-Dichlorobenzene	11.947	146	485421	13.218	ppbv	98
78) Hexachloro-1,3-Butadiene	13.882	225	366850	9.814	ppbv	99
79) Naphthalene	13.513	128	820200	10.904	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	274227	7.434	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	373404	10.762	ppbv	99

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

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

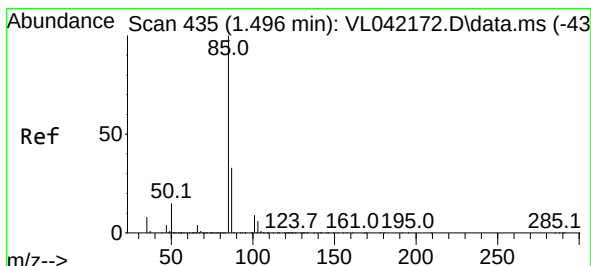
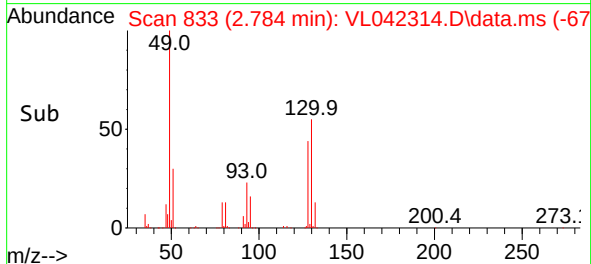
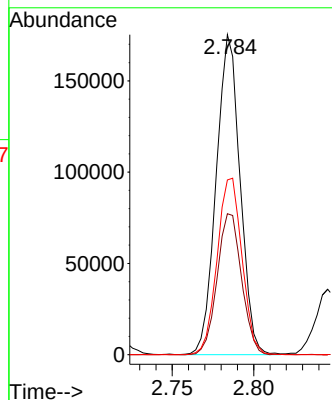
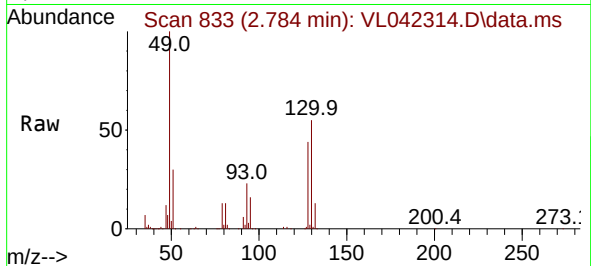




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 833
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

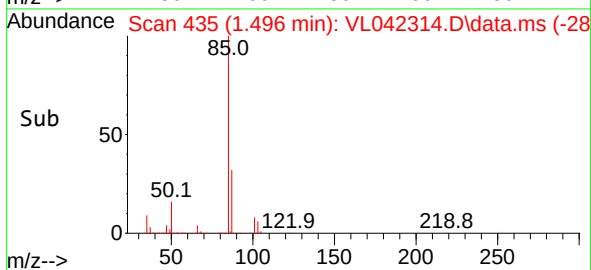
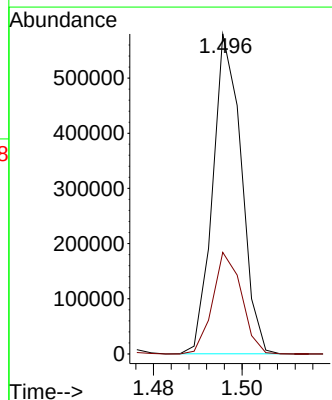
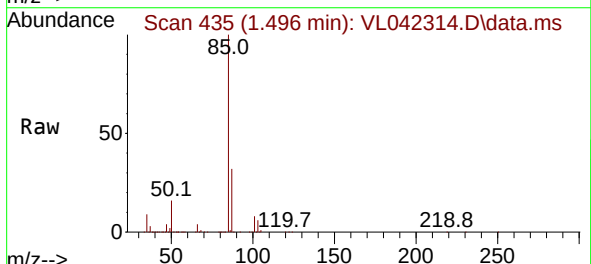
Instrument :
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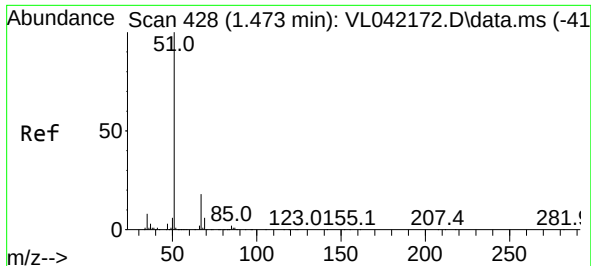
Tgt Ion: 49 Resp: 178456
 Ion Ratio Lower Upper
 49 100
 128 45.1 22.9 68.5
 130 57.3 28.8 86.4



#2
 Dichlorodifluoromethane
 Concen: 9.873 ppbv
 RT: 1.496 min Scan# 435
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

Tgt Ion: 85 Resp: 260154
 Ion Ratio Lower Upper
 85 100
 87 31.8 26.1 39.1

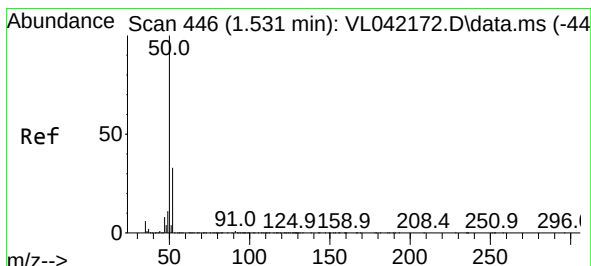
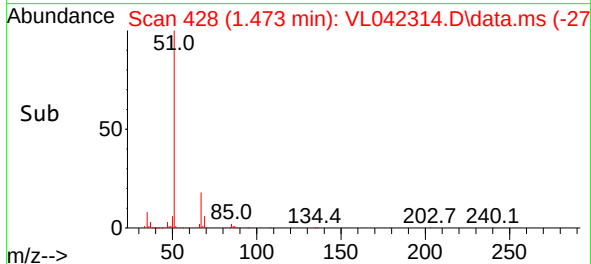
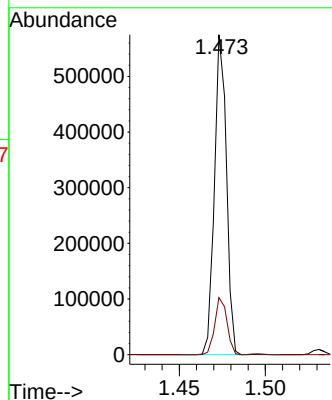
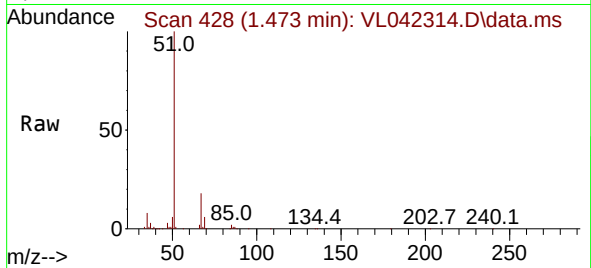




#3
Chlorodifluoromethane
Concen: 10.339 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

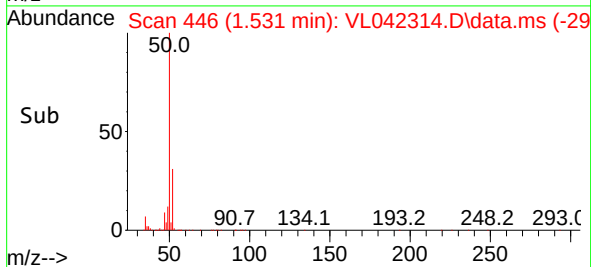
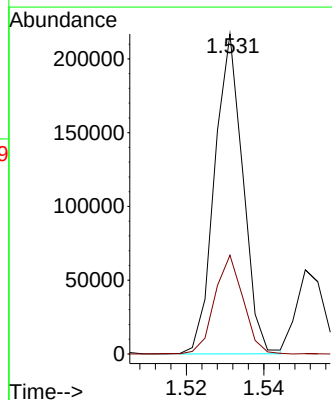
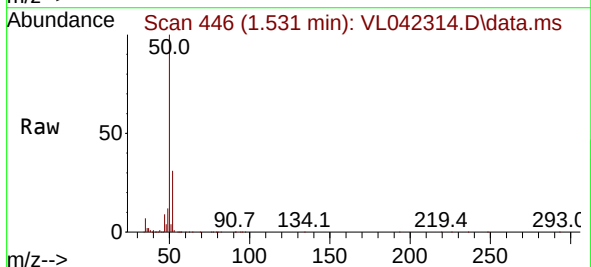
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MSVOA_L
ClientSampleId :
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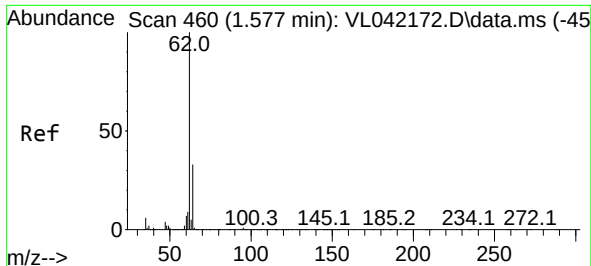
Tgt Ion: 51 Resp: 278310
Ion Ratio Lower Upper
51 100
67 18.2 15.0 22.6



#4
Chloromethane
Concen: 10.207 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 50 Resp: 109906
Ion Ratio Lower Upper
50 100
52 30.8 26.1 39.1

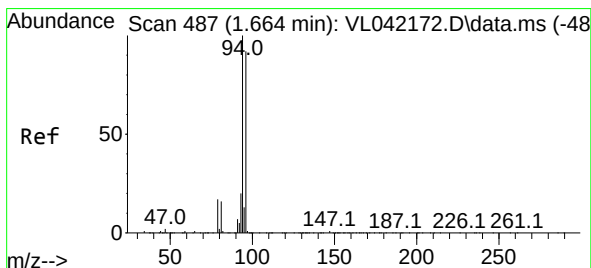
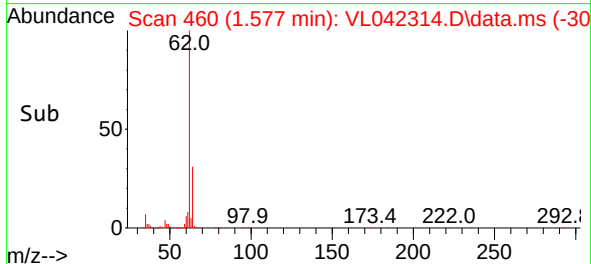
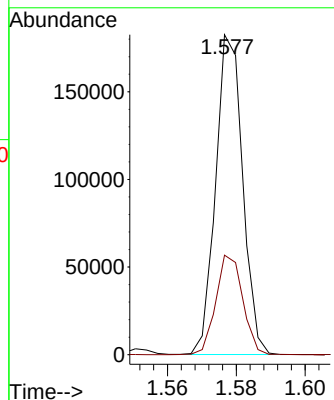
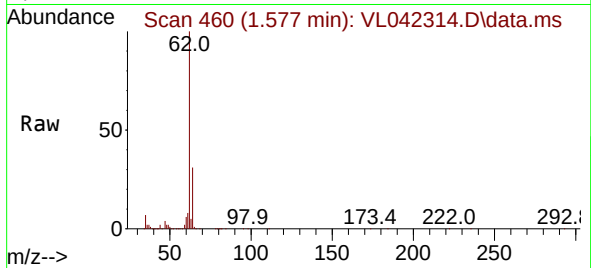




#5
 Vinyl Chloride
 Concen: 8.723 ppbv
 RT: 1.577 min Scan# 460
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

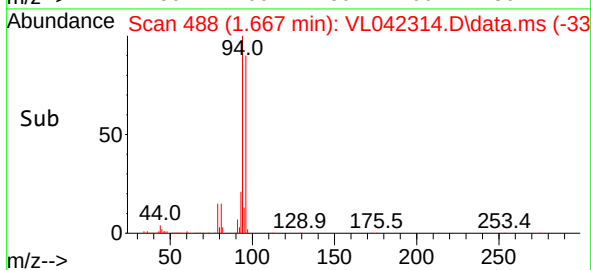
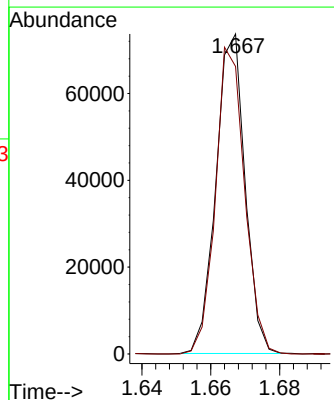
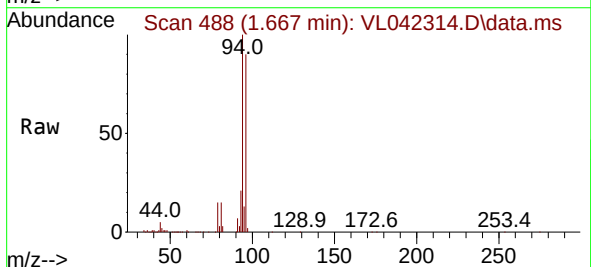
Instrument :
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 ClientSampleId :
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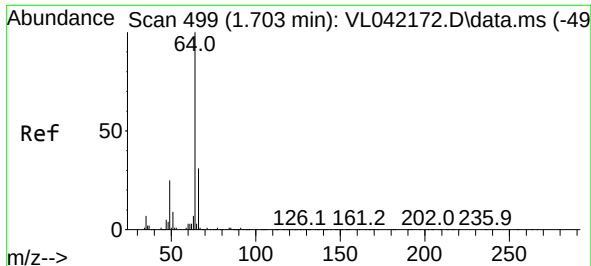
Tgt Ion: 62 Resp: 99540
 Ion Ratio Lower Upper
 62 100
 64 31.0 26.6 40.0



#6
 Bromomethane
 Concen: 8.884 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

Tgt Ion: 94 Resp: 43354
 Ion Ratio Lower Upper
 94 100
 96 90.0 73.1 109.7

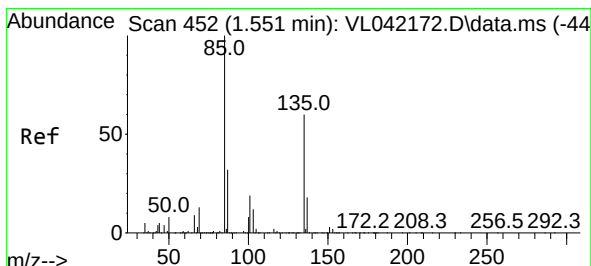
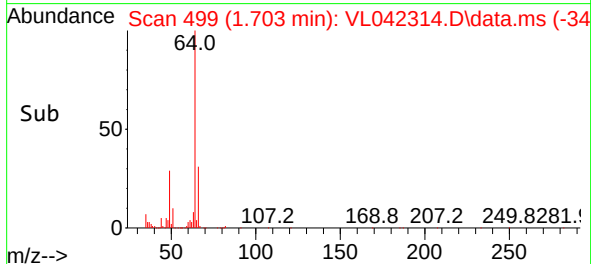
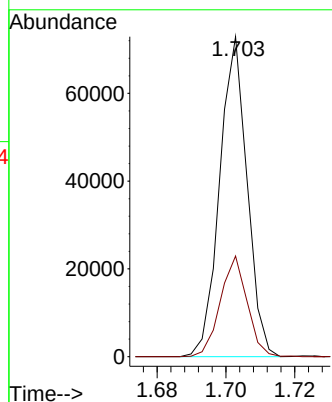
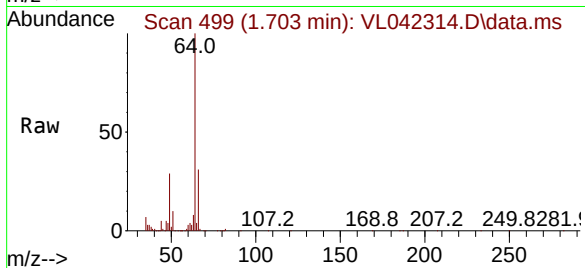




#7
Chloroethane
Concen: 9.340 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

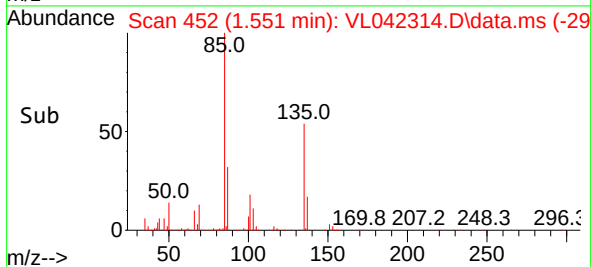
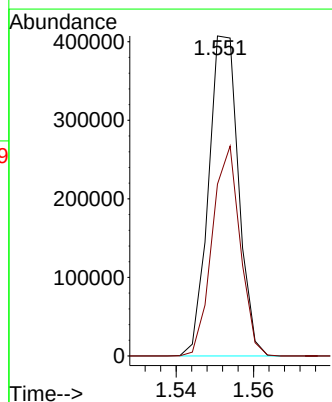
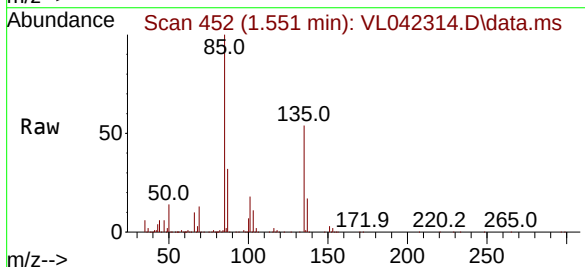
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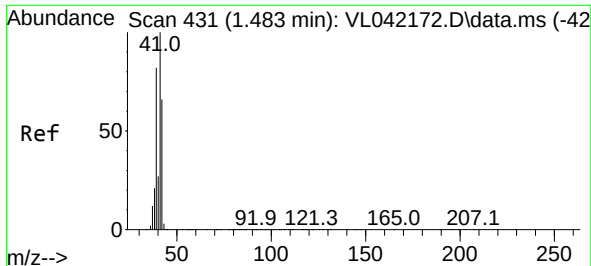
Tgt Ion: 64 Resp: 40372
Ion Ratio Lower Upper
64 100
66 31.5 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 9.769 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 85 Resp: 219210
Ion Ratio Lower Upper
85 100
135 61.1 52.4 78.6

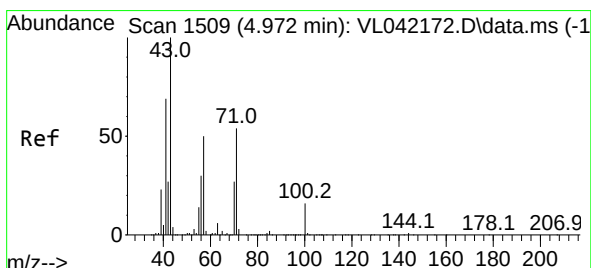
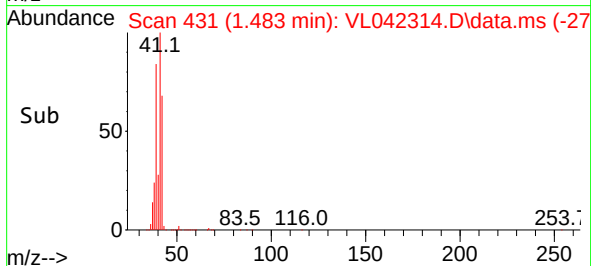
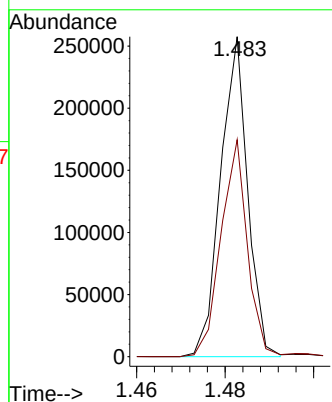
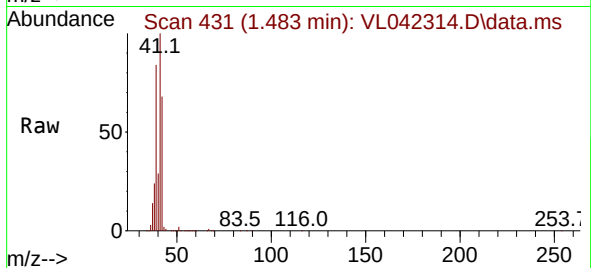




#9
Propene
Concen: 8.841 ppbv
RT: 1.483 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

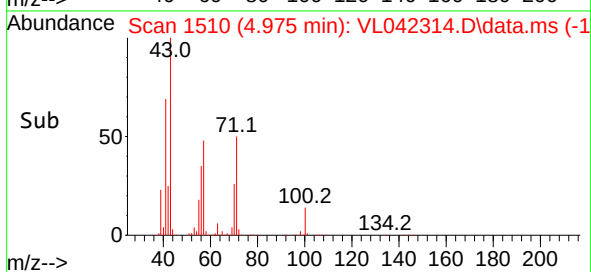
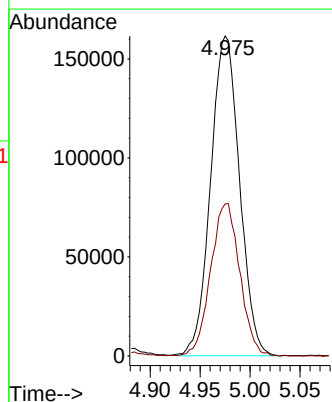
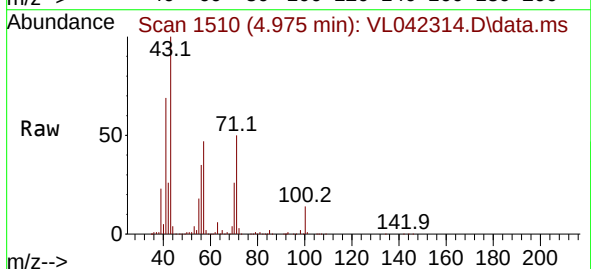
Instrument :
MSVOA_1
ClientSampleId :
VL0411ABS01

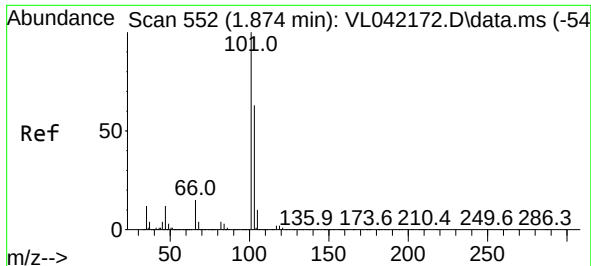
Tgt Ion: 41 Resp: 109077
Ion Ratio Lower Upper
41 100
42 67.5 55.4 83.2



#10
Heptane
Concen: 9.912 ppbv
RT: 4.975 min Scan# 1510
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 43 Resp: 325268
Ion Ratio Lower Upper
43 100
57 48.1 39.4 59.2

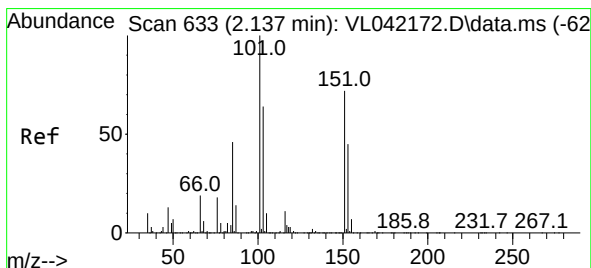
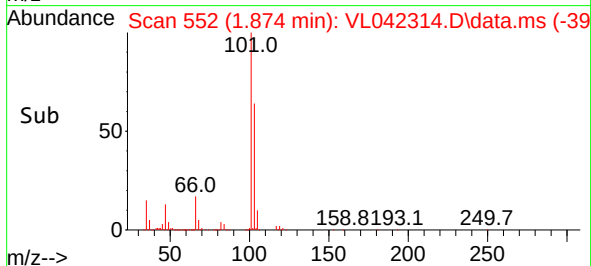
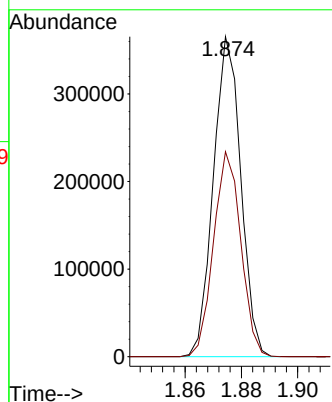
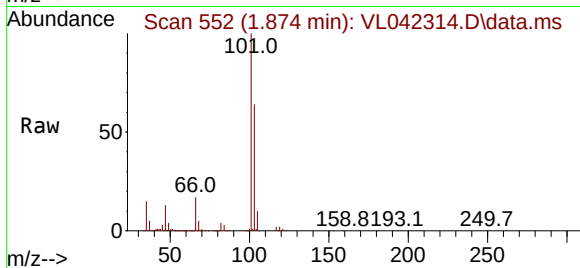




#11
 Trichlorofluoromethane
 Concen: 9.647 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

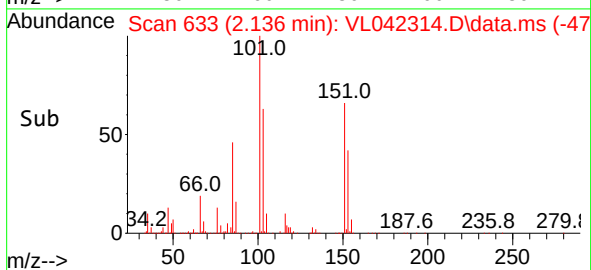
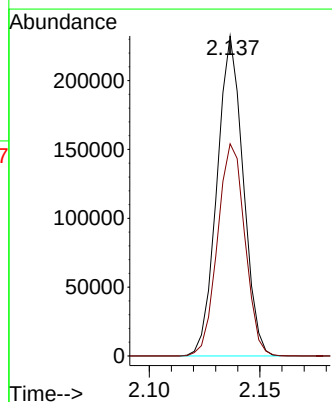
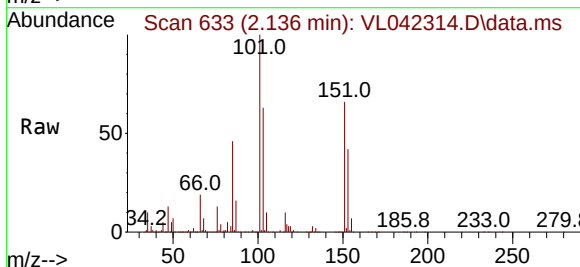
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0411ABS01

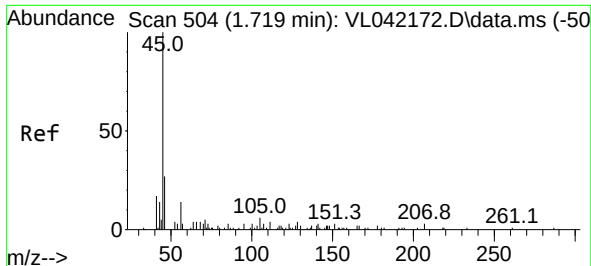
Tgt Ion:101 Resp: 247344
 Ion Ratio Lower Upper
 101 100
 103 64.0 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.085 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

Tgt Ion:101 Resp: 191456
 Ion Ratio Lower Upper
 101 100
 151 69.3 57.1 85.7





#13

Ethanol

Concen: 4.225 ppbv

RT: 1.719 min Scan# 504

Delta R.T. -0.000 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

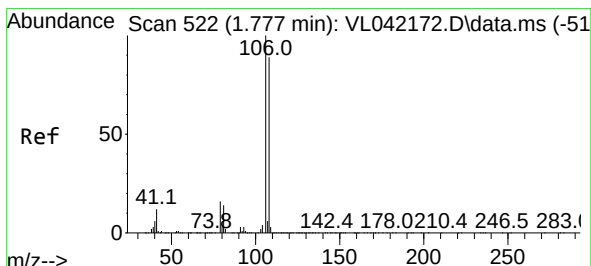
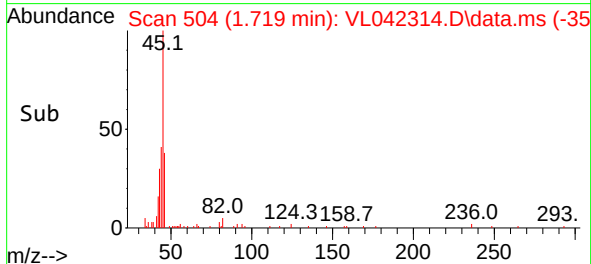
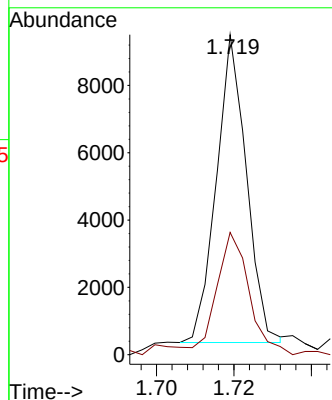
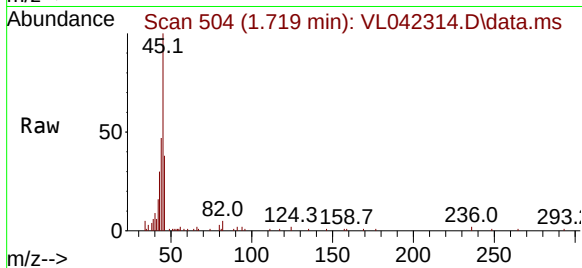
VL0411ABS01

Tgt Ion: 45 Resp: 4928

Ion Ratio Lower Upper

45 100

46 46.9 20.2 80.8



#14

Bromoethene

Concen: 8.758 ppbv

RT: 1.780 min Scan# 523

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

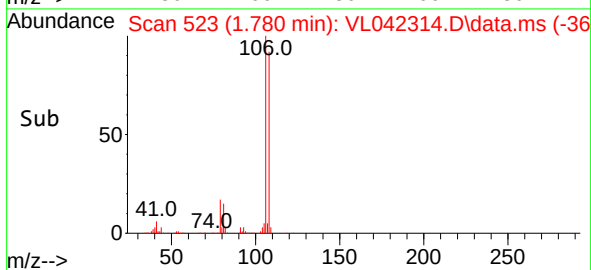
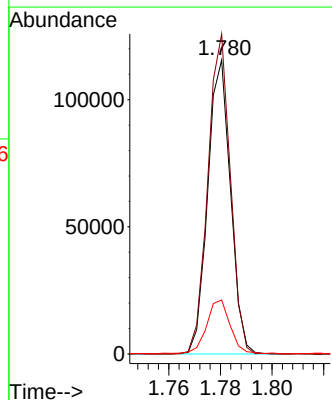
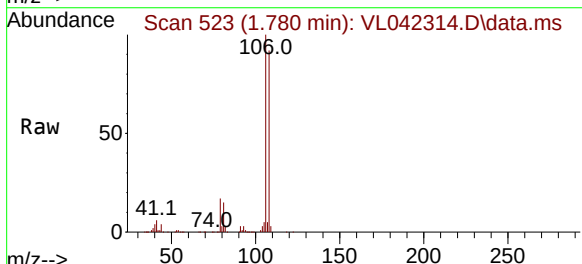
Tgt Ion: 108 Resp: 70702

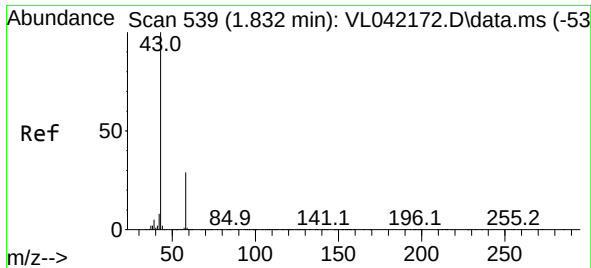
Ion Ratio Lower Upper

108 100

106 107.1 86.8 130.2

79 19.5 15.0 22.6

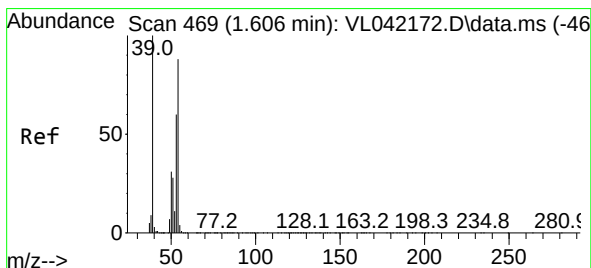
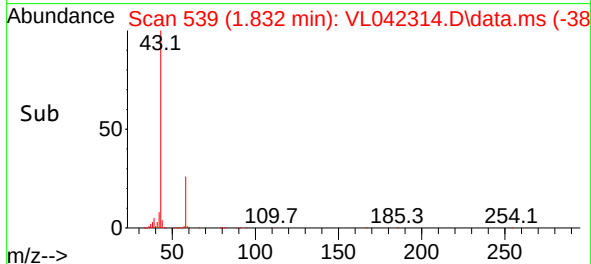
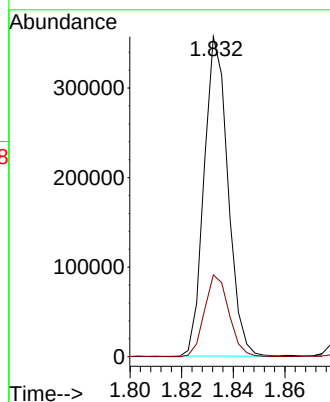
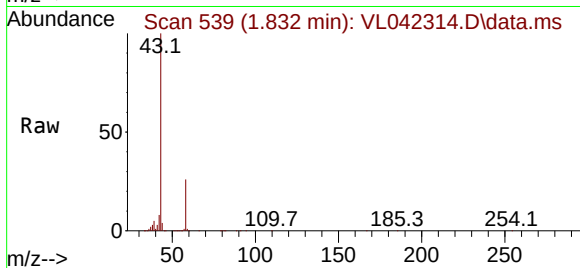




#15
Acetone
Concen: 9.175 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

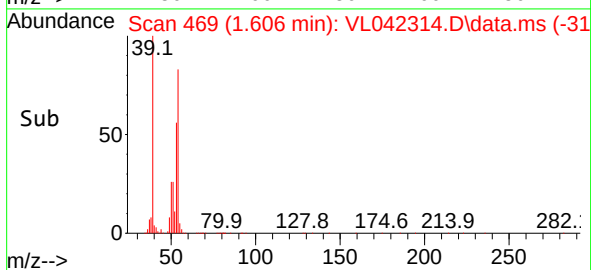
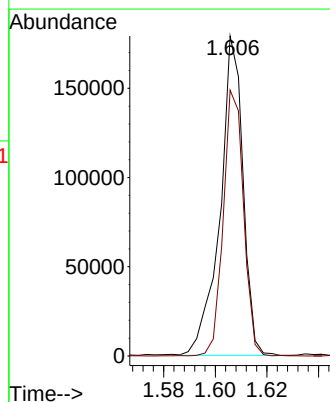
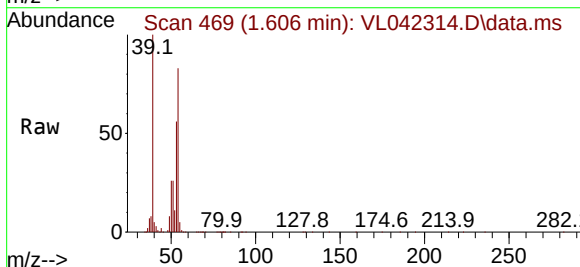
Instrument :
MSVOA_1
ClientSampleId :
VL0411ABS01

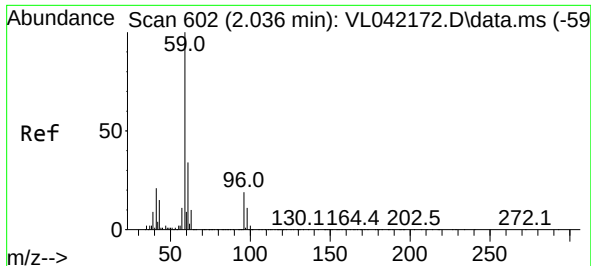
Tgt Ion: 43 Resp: 228988
Ion Ratio Lower Upper
43 100
58 26.3 23.2 34.8



#16
1,3-Butadiene
Concen: 9.060 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 39 Resp: 110429
Ion Ratio Lower Upper
39 100
54 73.5 60.7 91.1





#17

tert-Butyl alcohol

Concen: 7.818 ppbv

RT: 2.039 min Scan# 602

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_1

ClientSampleId :

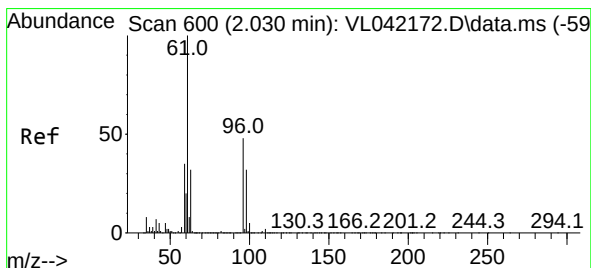
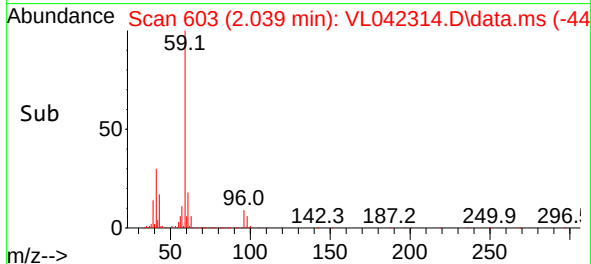
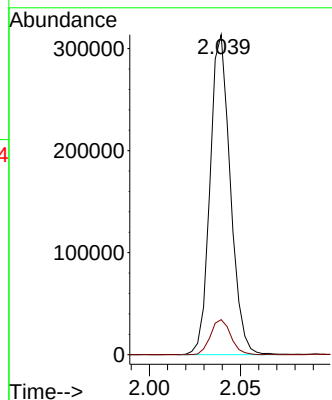
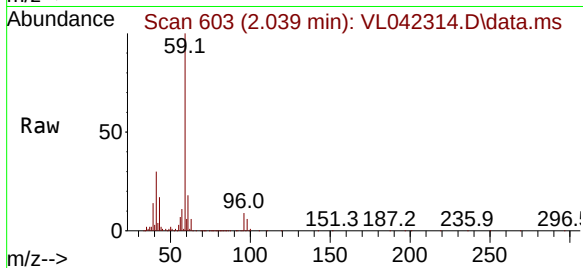
VL0411ABS01

Tgt Ion: 59 Resp: 243034

Ion Ratio Lower Upper

59 100

57 11.0 8.9 13.3



#18

1,1-Dichloroethene

Concen: 8.449 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.000 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

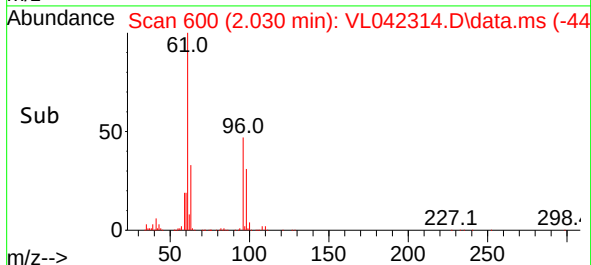
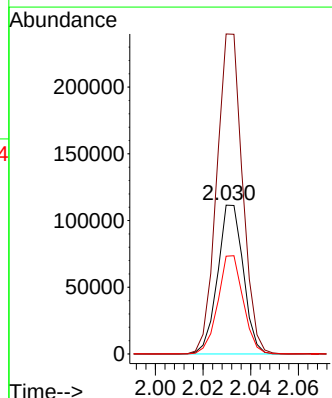
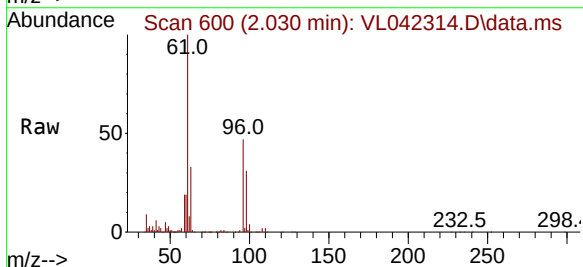
Tgt Ion: 96 Resp: 83233

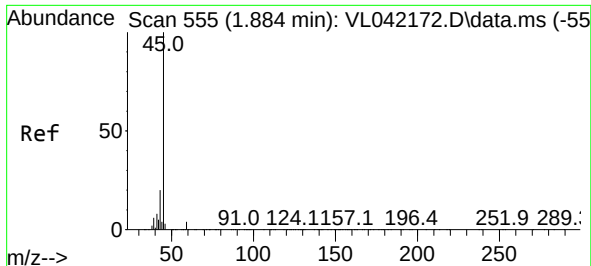
Ion Ratio Lower Upper

96 100

61 215.0 167.6 251.4

98 65.6 53.5 80.3

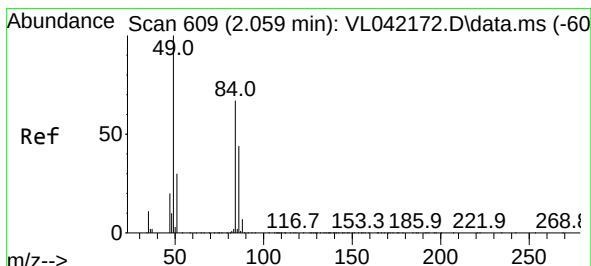
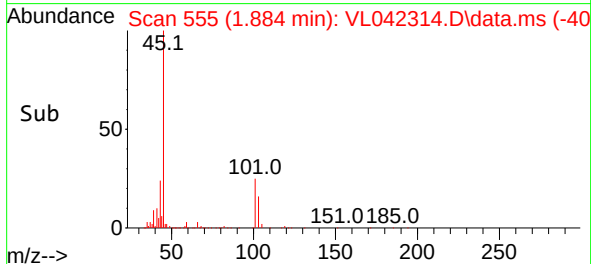
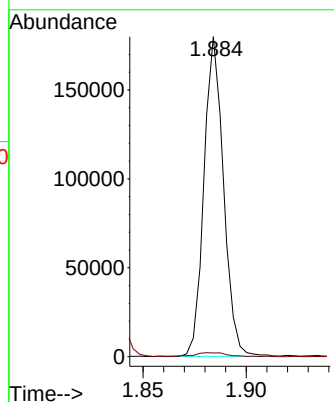
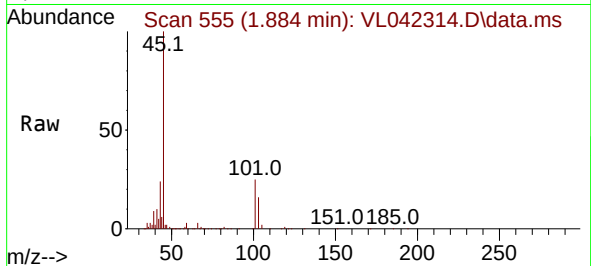




#19
Isopropyl Alcohol
Concen: 8.404 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

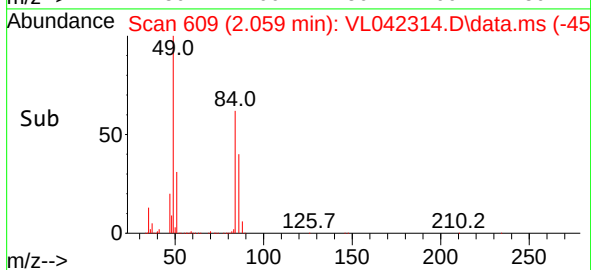
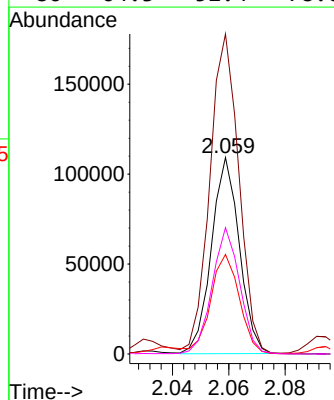
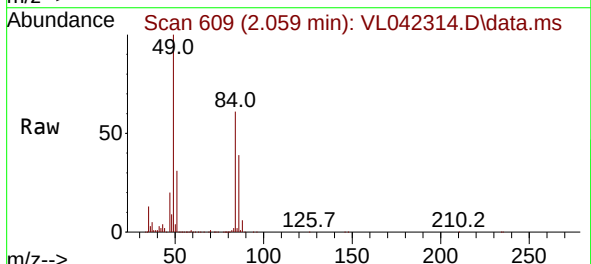
Instrument :
MSVOA_1
ClientSampleId :
VL0411ABS01

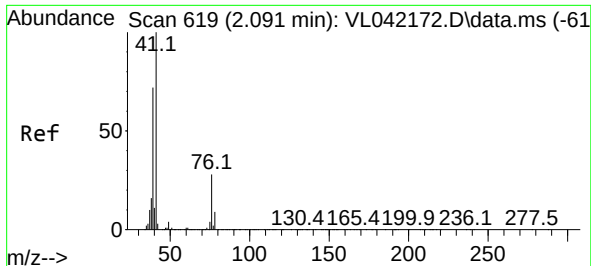
Tgt Ion: 45 Resp: 118345
Ion Ratio Lower Upper
45 100
58 2.2 36.9 55.3#



#20
Methylene Chloride
Concen: 8.097 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 84 Resp: 75264
Ion Ratio Lower Upper
84 100
49 162.8 120.2 180.4
51 50.6 37.4 56.0
86 64.3 52.4 78.6





#21

Allyl Chloride

Concen: 8.934 ppbv

RT: 2.094 min Scan# 619

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_1

ClientSampleId :

VL0411ABS01

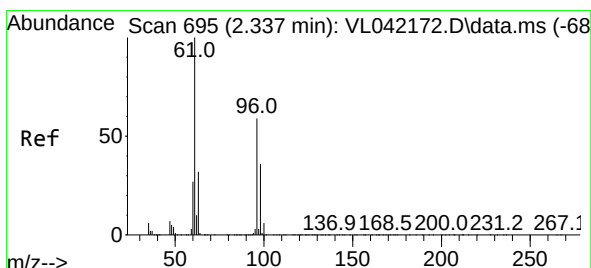
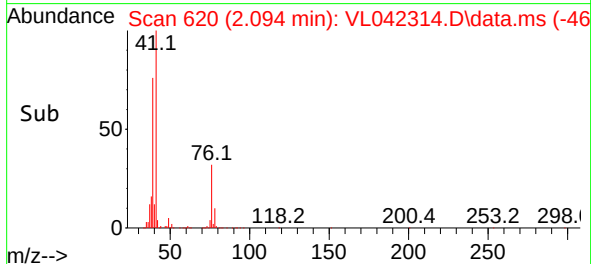
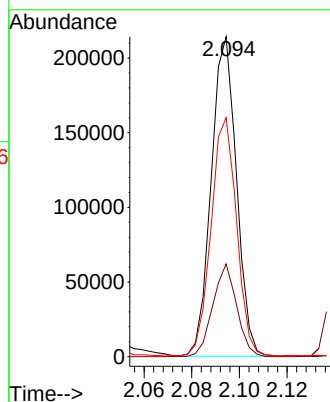
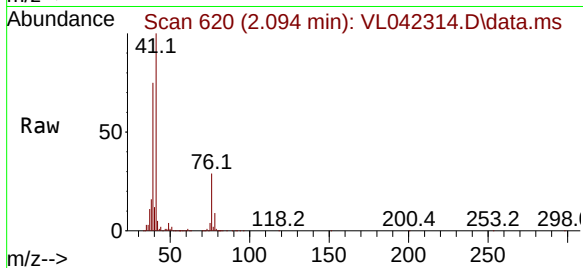
Tgt Ion: 41 Resp: 157261

Ion Ratio Lower Upper

41 100

76 27.5 24.1 36.1

39 75.1 61.1 91.7



#22

trans-1,2-Dichloroethene

Concen: 8.674 ppbv

RT: 2.337 min Scan# 695

Delta R.T. -0.000 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

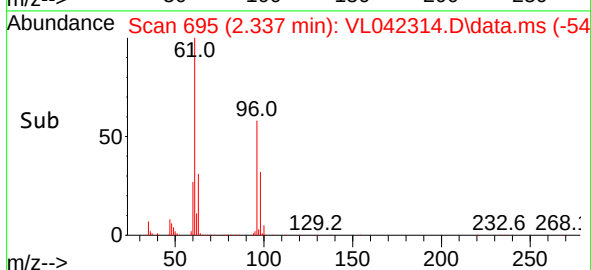
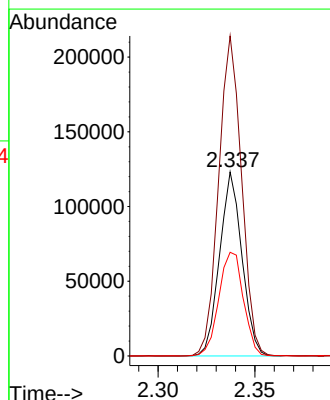
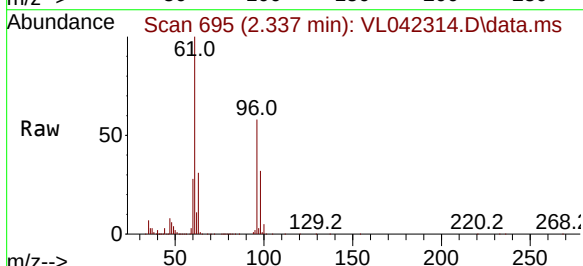
Tgt Ion: 96 Resp: 98769

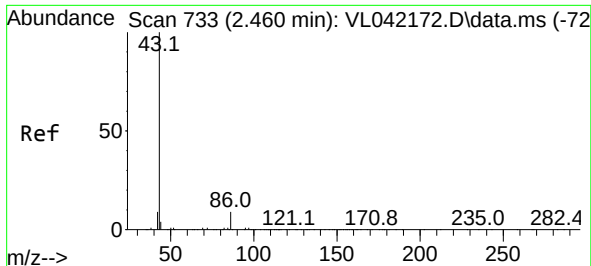
Ion Ratio Lower Upper

96 100

61 173.9 136.6 204.8

98 56.3 49.4 74.2

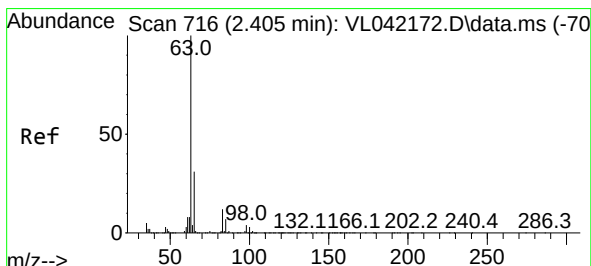
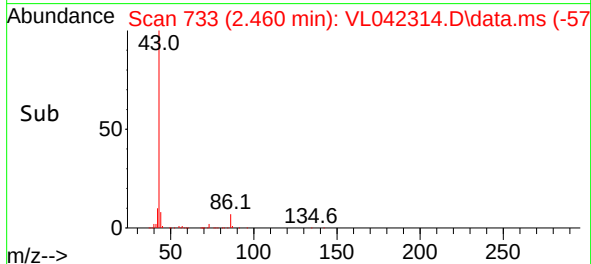
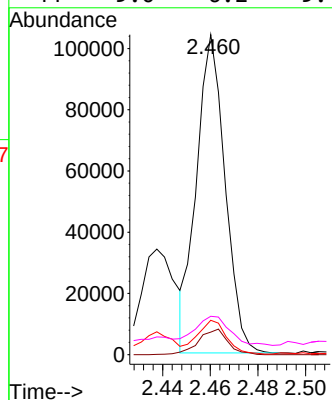
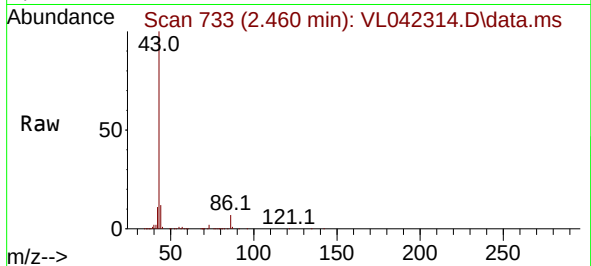




#23
 Vinyl Acetate
 Concen: 8.014 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

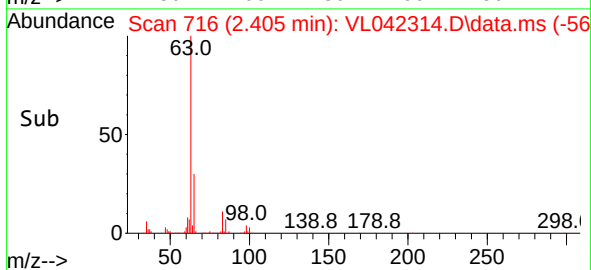
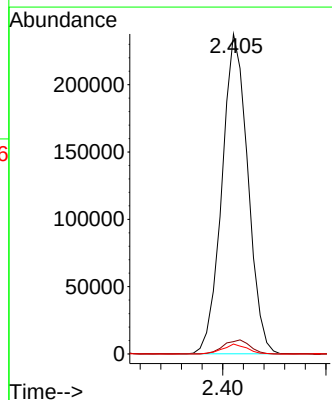
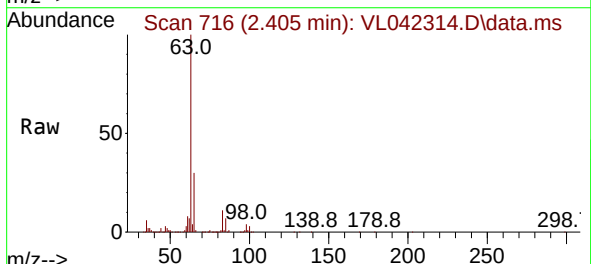
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0411ABS01

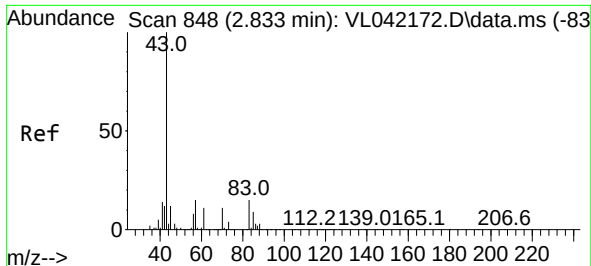
Tgt Ion:	43	Resp:	86563
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.5	8.3
42	9.9	8.6	13.0
44	9.0	6.2	9.4



#24
 1,1-Dichloroethane
 Concen: 9.800 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

Tgt Ion:	63	Resp:	206840
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.3	6.8
100	3.1	1.6	4.7

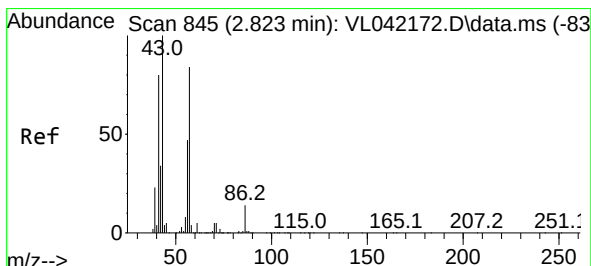
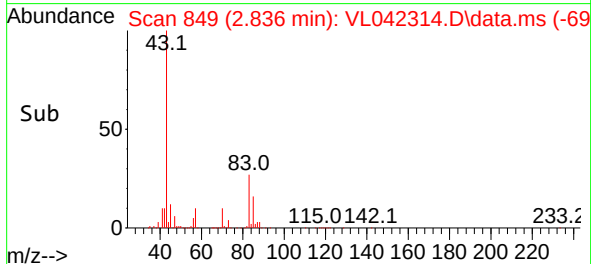
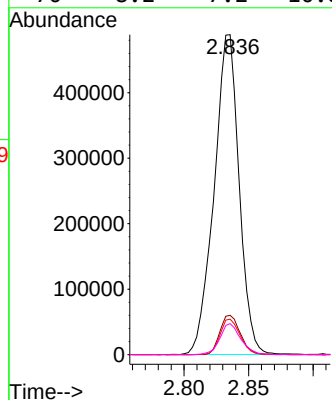
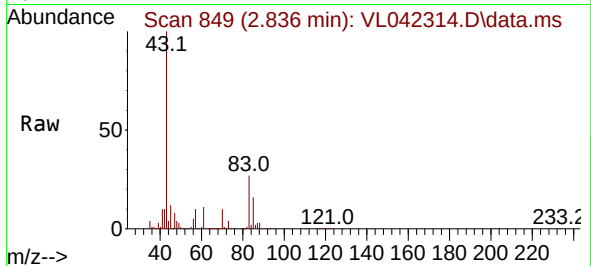




#25
Ethyl Acetate
Concen: 10.138 ppbv
RT: 2.836 min Scan# 84
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

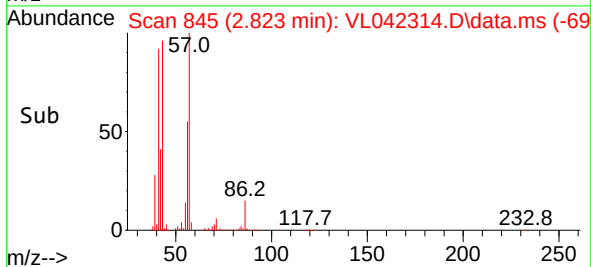
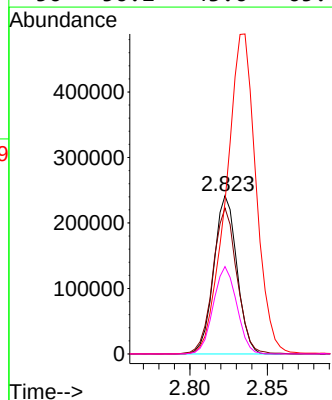
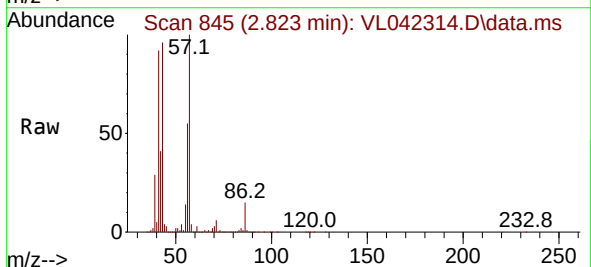
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

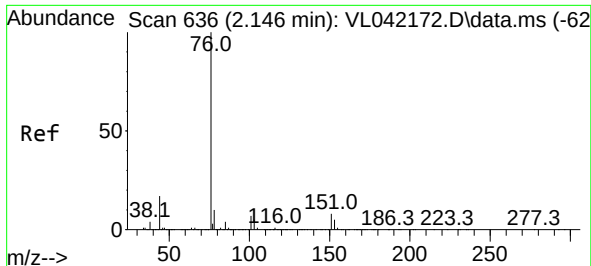
Tgt Ion: 43 Resp: 656719
Ion Ratio Lower Upper
43 100
45 10.2 8.2 12.2
61 9.0 7.3 10.9
70 8.2 7.2 10.8



#26
Hexane
Concen: 9.986 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 57 Resp: 249860
Ion Ratio Lower Upper
57 100
41 97.2 76.6 114.8
43 264.3 207.8 311.8
56 56.2 43.6 65.4

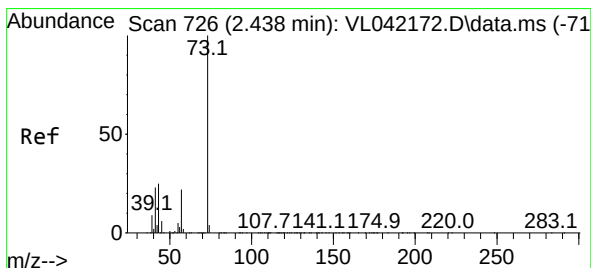
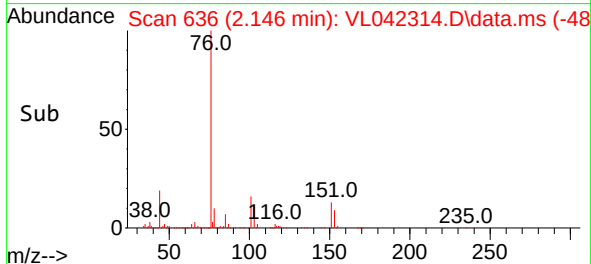
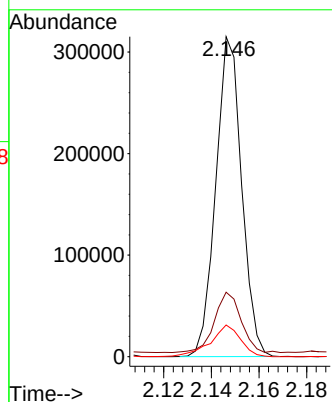
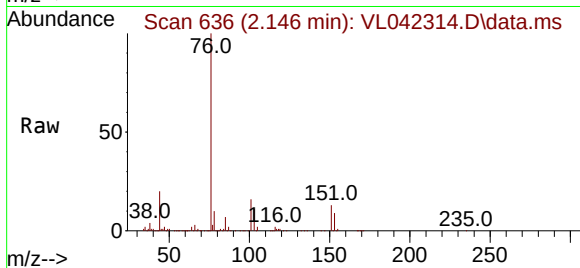




#27
Carbon Disulfide
Concen: 8.833 ppbv
RT: 2.146 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

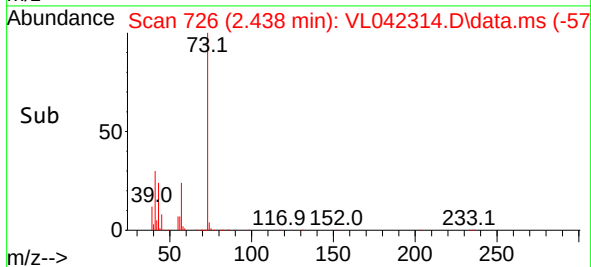
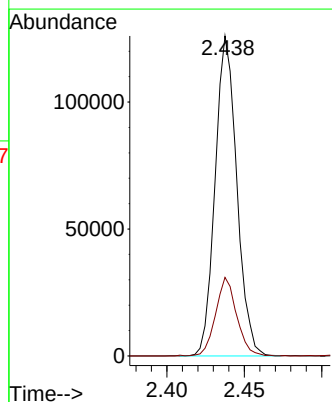
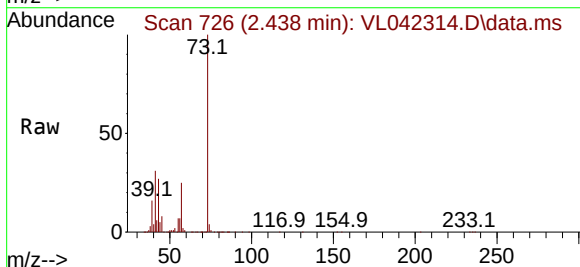
Instrument :
MSVOA_1
ClientSampleId :
VL0411ABS01

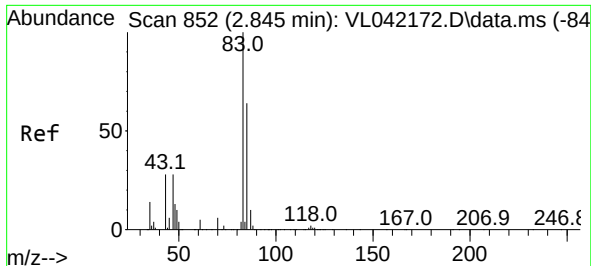
Tgt Ion: 76 Resp: 236998
Ion Ratio Lower Upper
76 100
44 19.3 14.7 22.1
78 11.6 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 7.884 ppbv
RT: 2.438 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 73 Resp: 122818
Ion Ratio Lower Upper
73 100
57 23.9 20.5 30.7





#29

Chloroform

Concen: 10.506 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

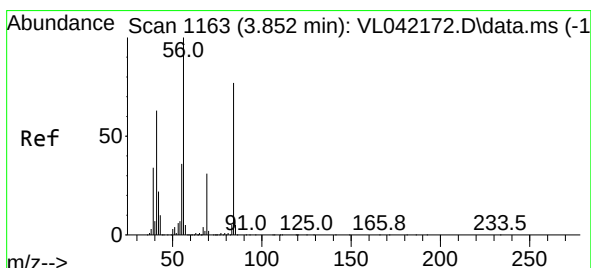
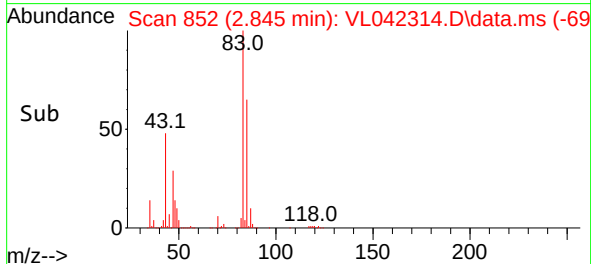
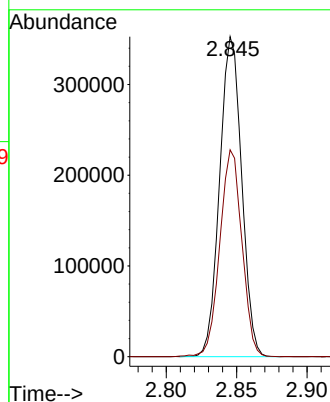
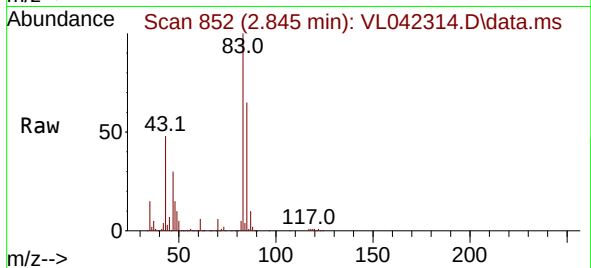
VL0411ABS01

Tgt Ion: 83 Resp: 384713

Ion Ratio Lower Upper

83 100

85 64.6 51.4 77.2



#30

Cyclohexane

Concen: 9.028 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

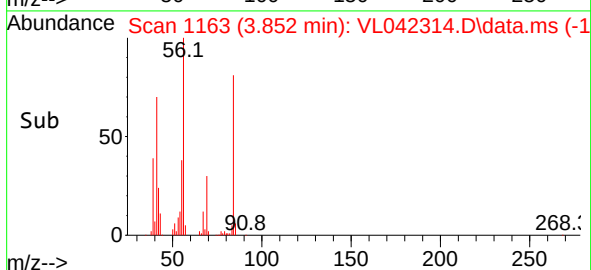
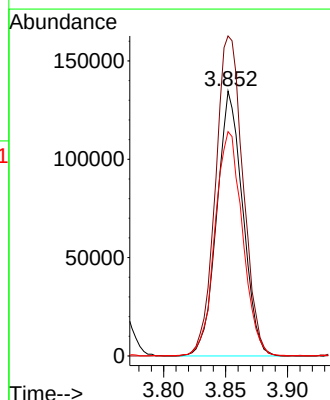
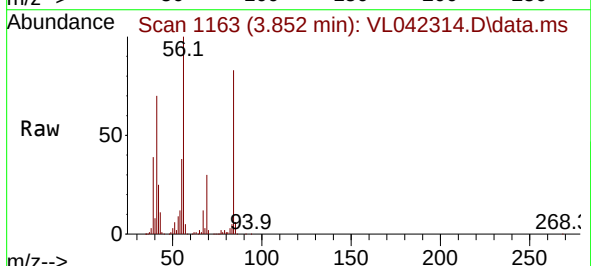
Tgt Ion: 84 Resp: 196133

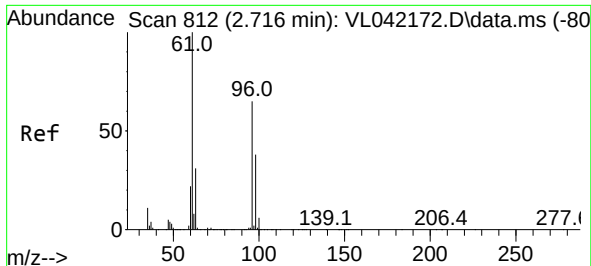
Ion Ratio Lower Upper

84 100

56 128.6 102.8 154.2

41 90.3 66.5 99.7

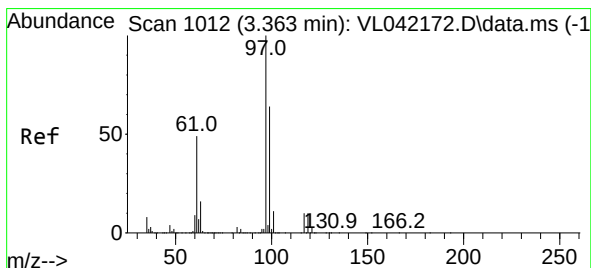
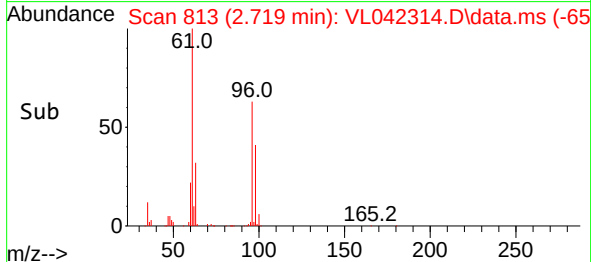
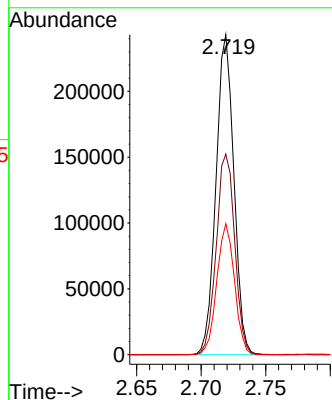
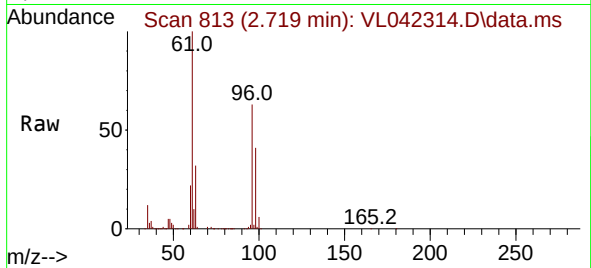




#31
 cis-1,2-Dichloroethene
 Concen: 9.187 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

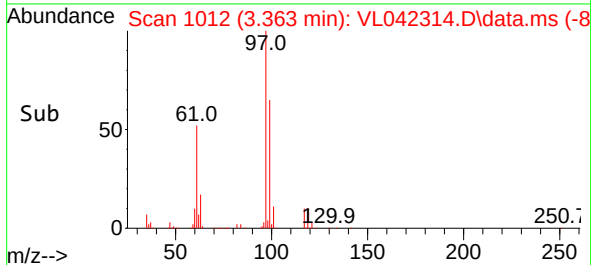
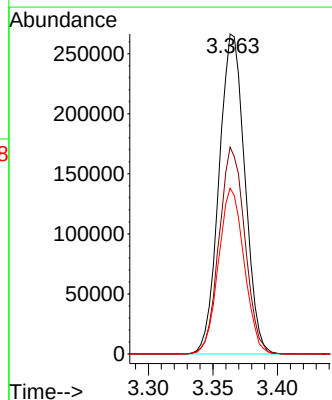
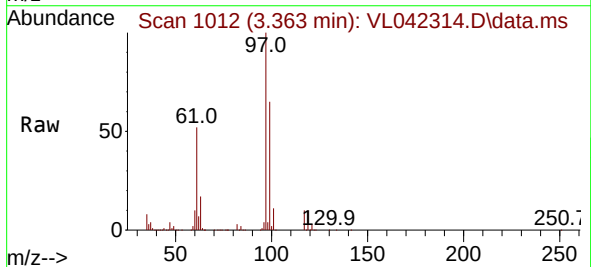
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0411ABS01

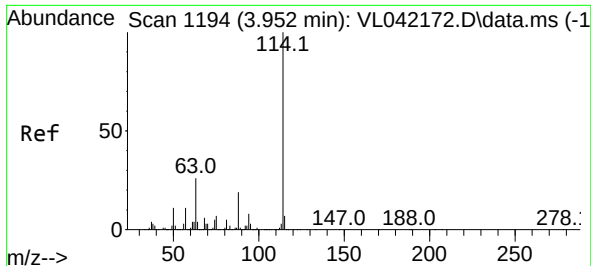
Tgt Ion: 61 Resp: 233371
 Ion Ratio Lower Upper
 61 100
 96 62.7 51.8 77.8
 98 40.9 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 8.836 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

Tgt Ion: 97 Resp: 370405
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.5 77.3
 61 51.5 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0411ABS01

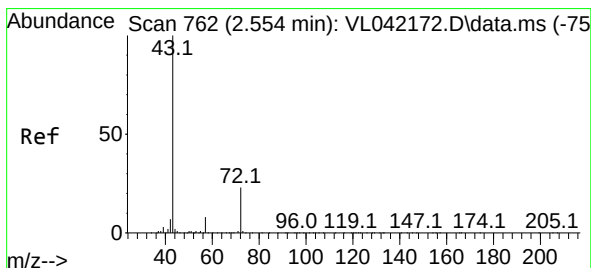
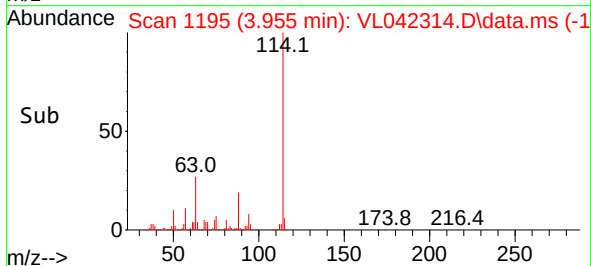
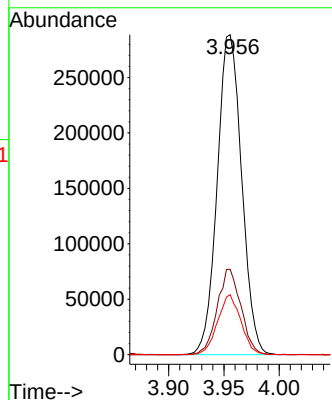
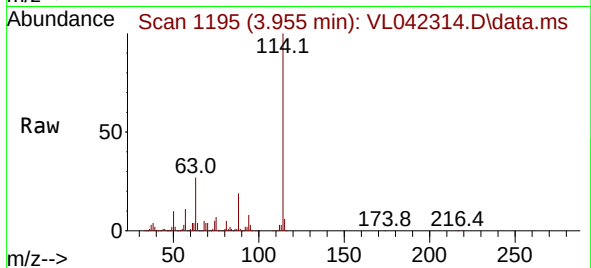
Tgt Ion:114 Resp: 444353

Ion Ratio Lower Upper

114 100

63 26.0 20.7 31.1

88 17.8 15.0 22.4



#34

2-Butanone

Concen: 11.254 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.000 min

Lab File: VL042314.D

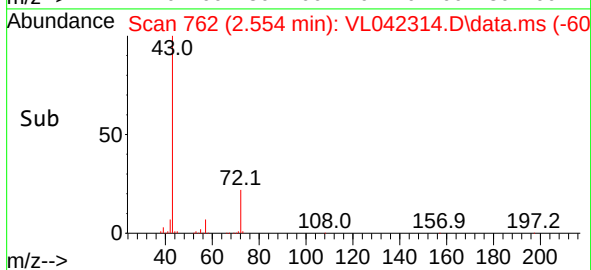
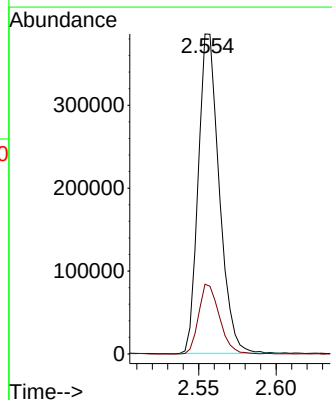
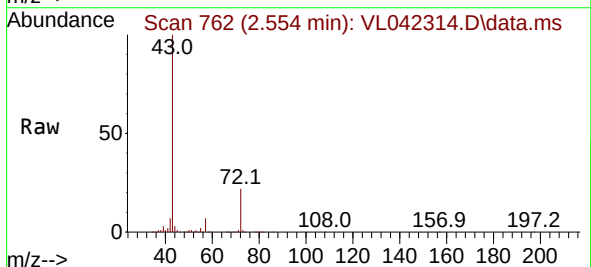
Acq: 11 Apr 2025 11:23

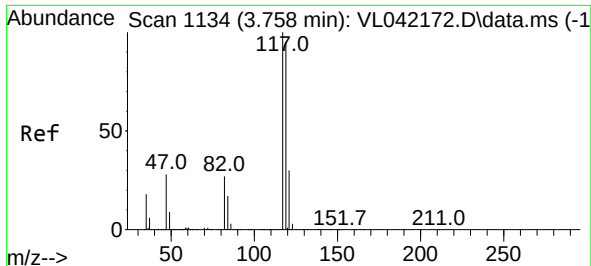
Tgt Ion: 43 Resp: 362633

Ion Ratio Lower Upper

43 100

72 21.8 18.2 27.2

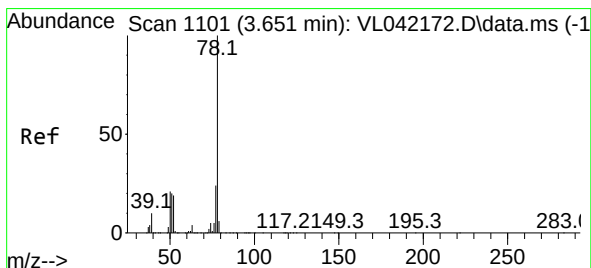
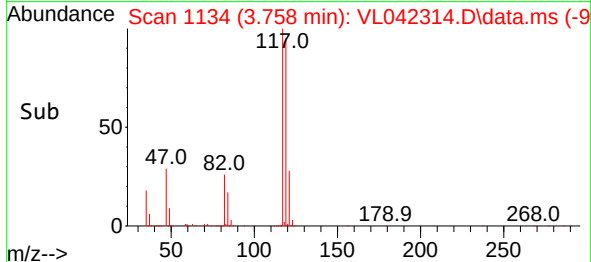
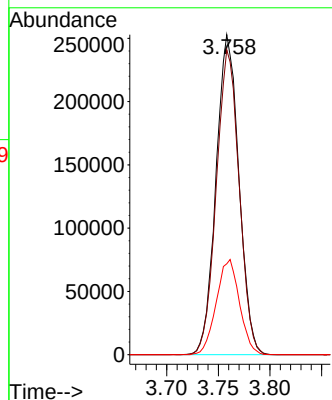
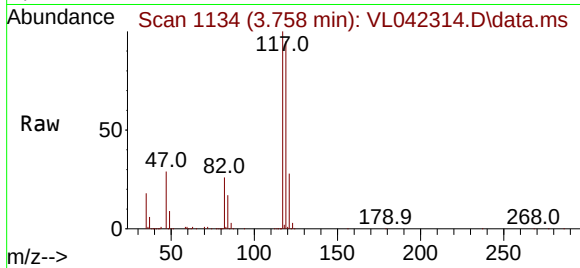




#35
Carbon Tetrachloride
Concen: 11.228 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

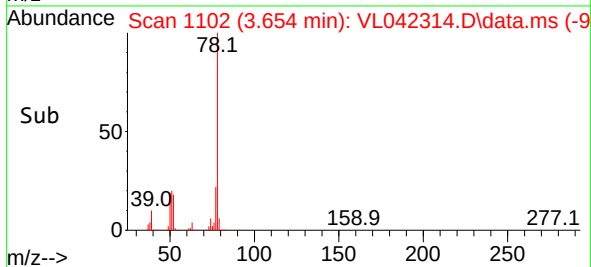
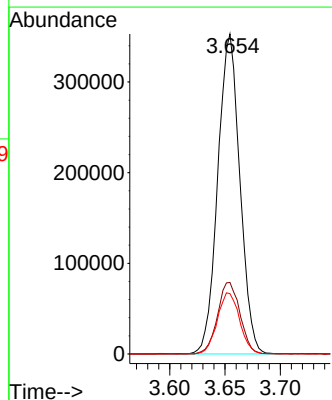
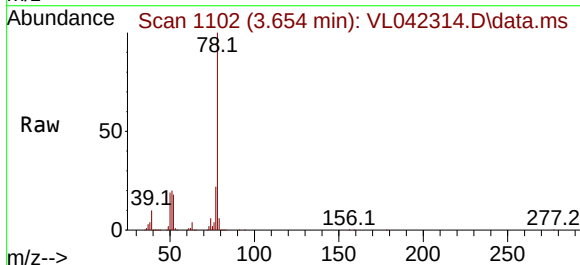
Instrument :
MSVOA_1
ClientSampleId :
VL0411ABS01

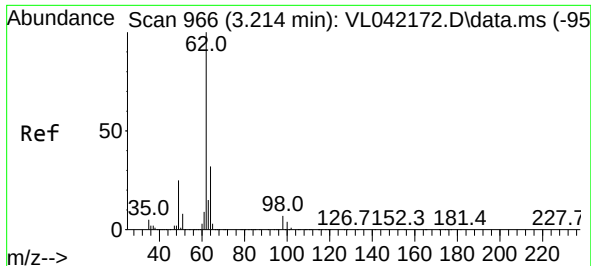
Tgt Ion:117 Resp: 389738
Ion Ratio Lower Upper
117 100
119 95.2 76.2 114.2
121 28.4 24.2 36.4



#36
Benzene
Concen: 11.131 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 78 Resp: 490339
Ion Ratio Lower Upper
78 100
77 22.3 19.1 28.7
50 18.8 16.6 24.8

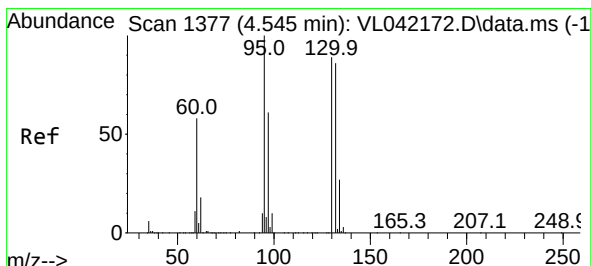
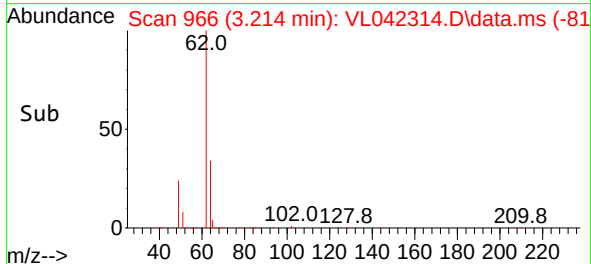
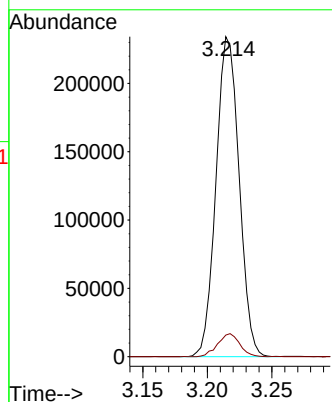
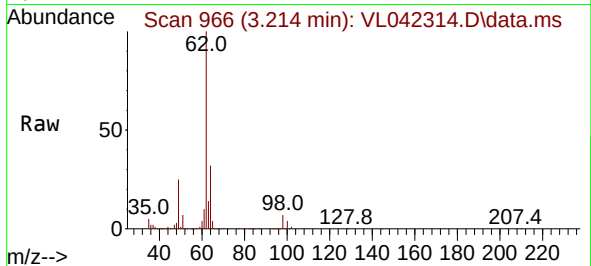




#37
1,2-Dichloroethane
Concen: 11.538 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

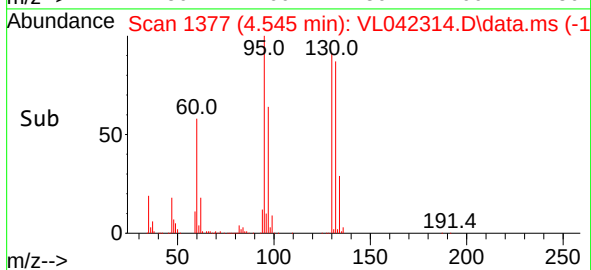
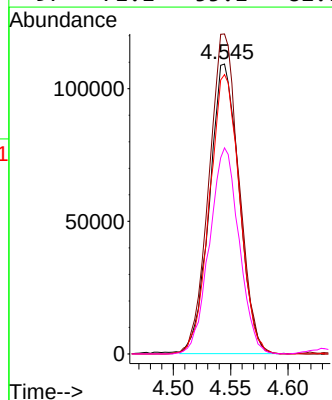
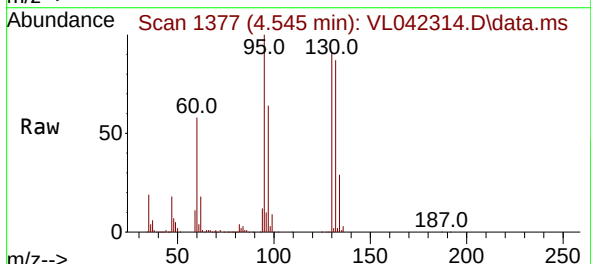
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

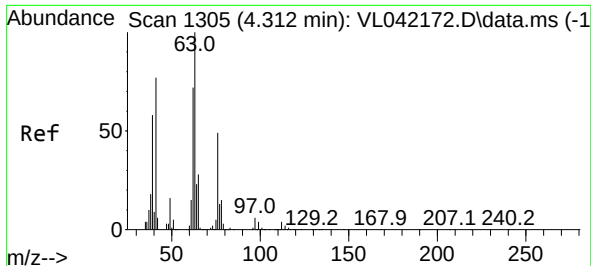
Tgt Ion: 62 Resp: 290983
Ion Ratio Lower Upper
62 100
98 6.9 5.4 8.2



#38
Trichloroethene
Concen: 10.645 ppbv
RT: 4.545 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion:130 Resp: 195654
Ion Ratio Lower Upper
130 100
95 110.4 89.8 134.8
132 96.5 77.4 116.2
97 71.1 55.1 82.7





#39

1,2-Dichloropropane

Concen: 11.217 ppbv

RT: 4.312 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0411ABS01

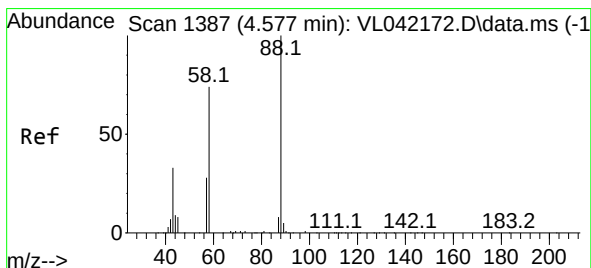
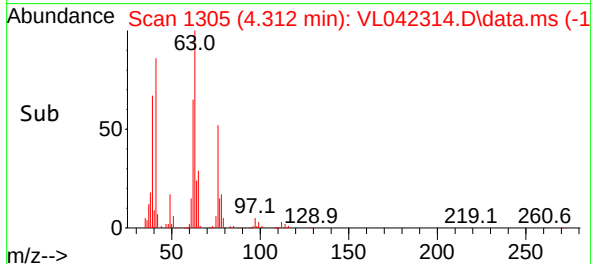
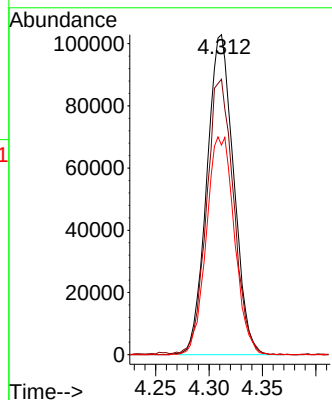
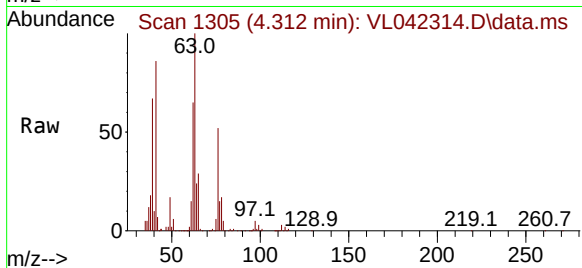
Tgt Ion: 63 Resp: 179954

Ion Ratio Lower Upper

63 100

41 85.9 61.7 92.5

62 65.3 57.6 86.4



#40

1,4-Dioxane

Concen: 9.408 ppbv

RT: 4.580 min Scan# 1388

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Tgt Ion: 88 Resp: 80106

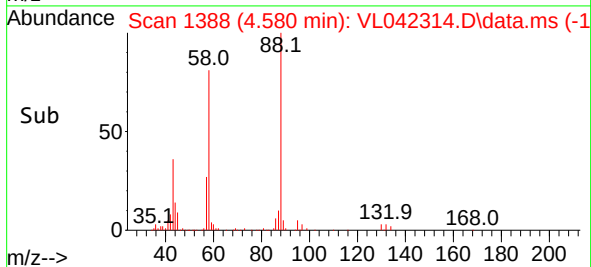
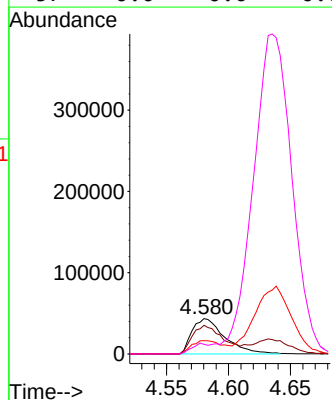
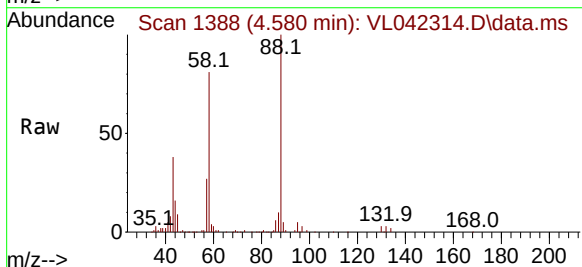
Ion Ratio Lower Upper

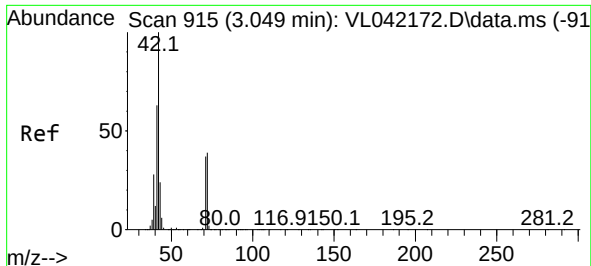
88 100

58 81.4 62.7 94.1

43 0.0 23.0 34.4#

57 0.0 0.0 0.0

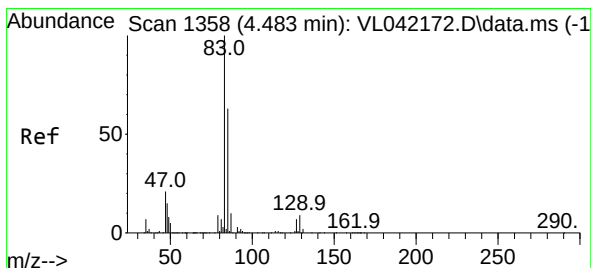
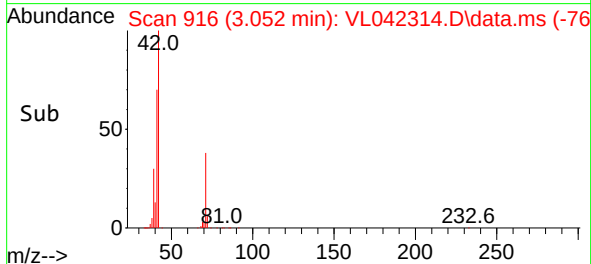
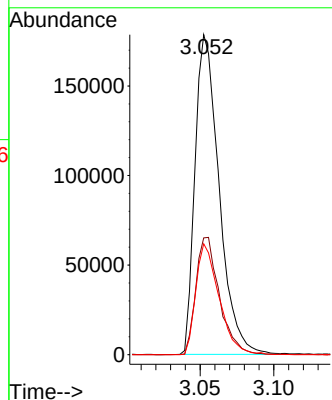
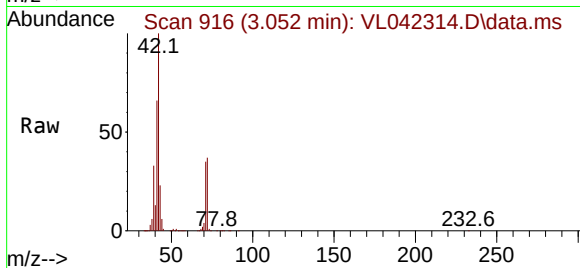




#41
Tetrahydrofuran
Concen: 10.930 ppbv
RT: 3.052 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

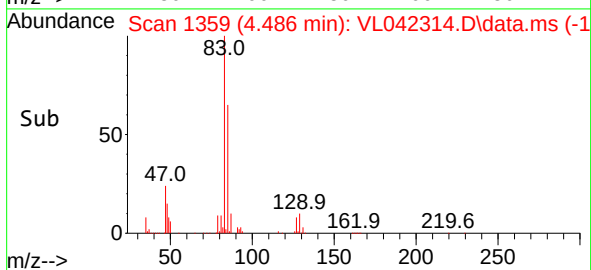
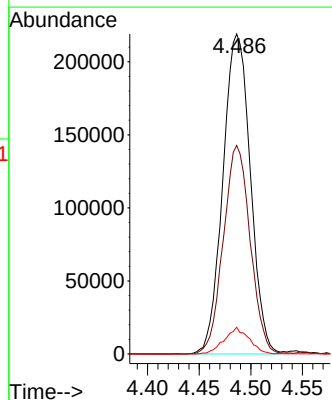
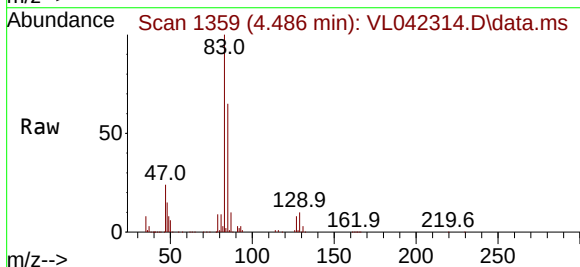
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

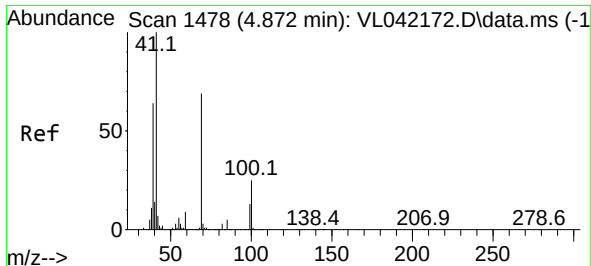
Tgt Ion: 42 Resp: 202793
Ion Ratio Lower Upper
42 100
72 36.0 31.4 47.0
71 33.5 30.2 45.4



#42
Bromodichloromethane
Concen: 11.669 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 83 Resp: 405729
Ion Ratio Lower Upper
83 100
85 65.2 50.5 75.7
127 8.4 5.9 8.9

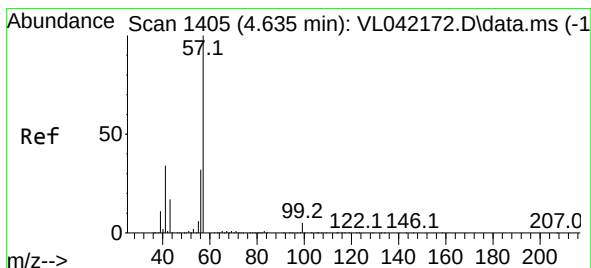
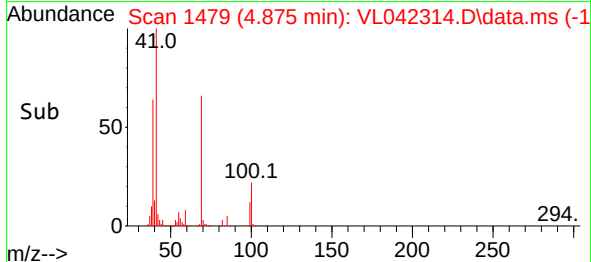
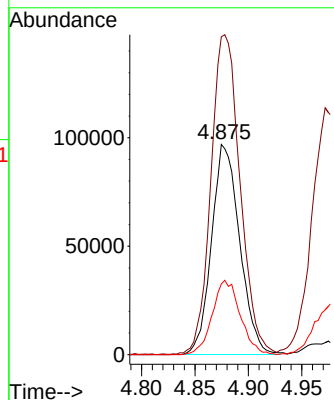
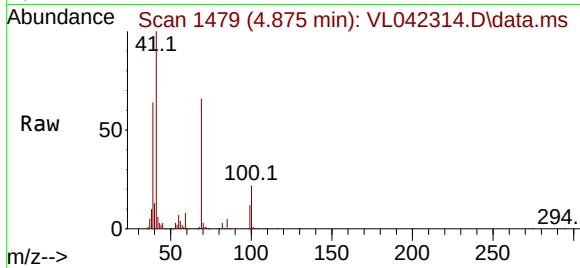




#43
Methyl Methacrylate
Concen: 9.514 ppbv
RT: 4.875 min Scan# 1478
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

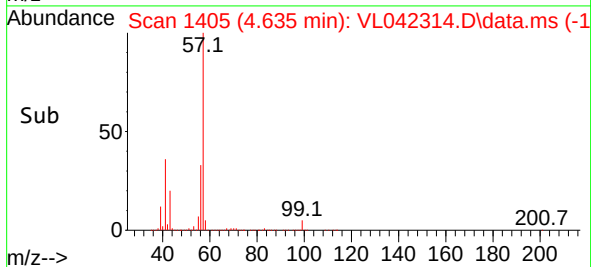
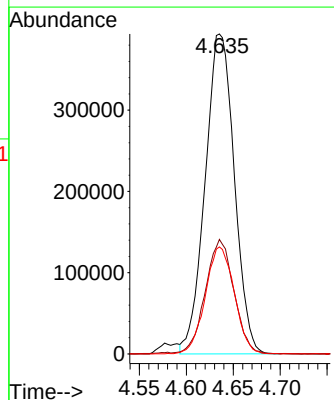
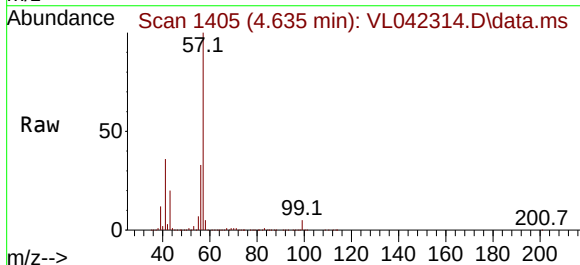
Instrument :
MSVOA_1
ClientSampleId :
VL0411ABS01

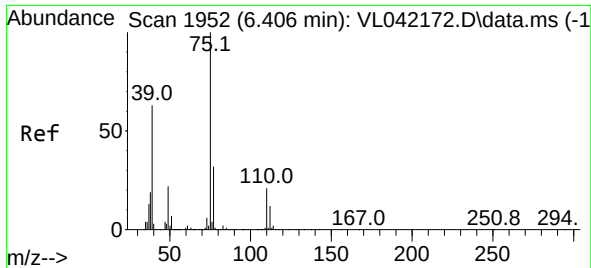
Tgt Ion: 69 Resp: 177423
Ion Ratio Lower Upper
69 100
41 158.3 123.8 185.6
100 35.3 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 11.431 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 57 Resp: 850971
Ion Ratio Lower Upper
57 100
41 35.3 26.8 40.2
56 33.4 25.6 38.4

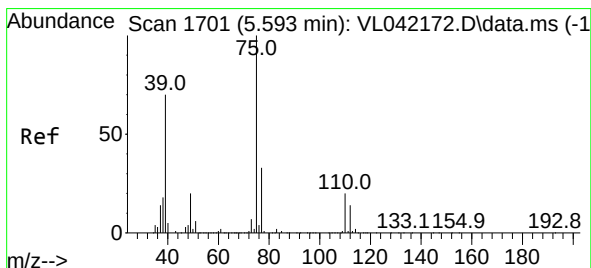
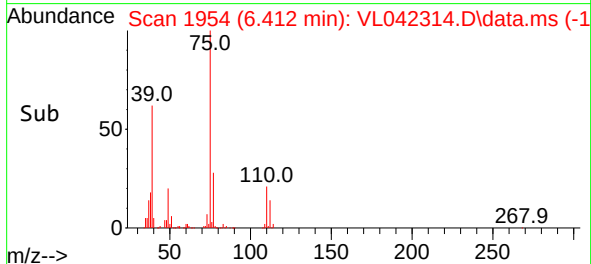
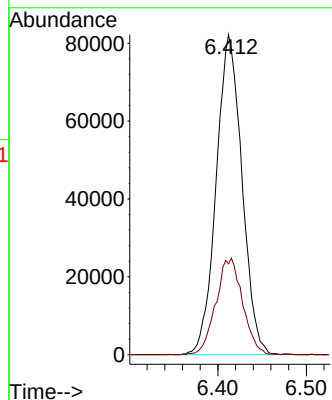
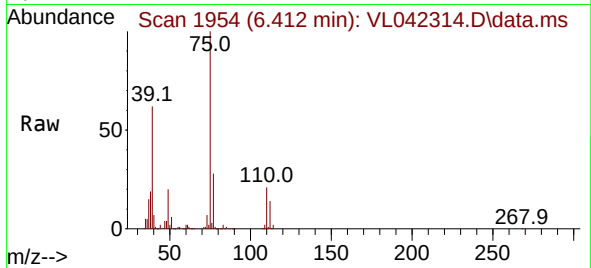




#45
 t-1,3-Dichloropropene
 Concen: 8.309 ppbv
 RT: 6.412 min Scan# 1954
 Delta R.T. 0.006 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

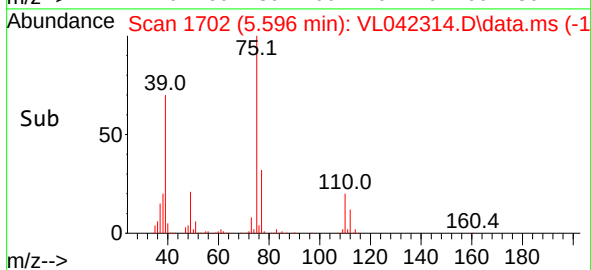
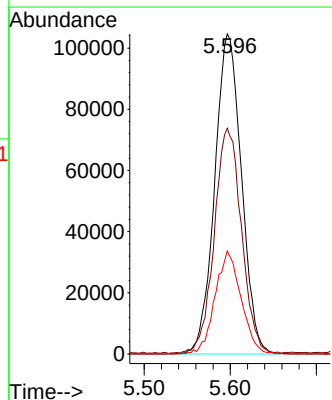
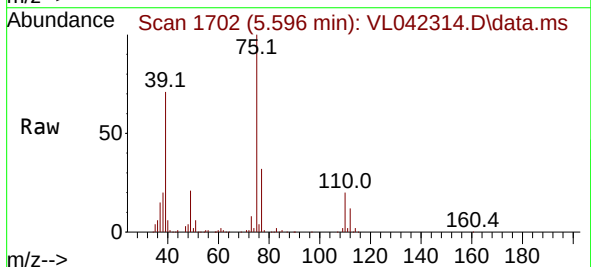
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0411ABS01

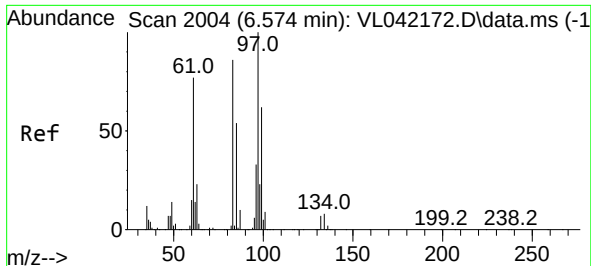
Tgt Ion: 75 Resp: 166246
 Ion Ratio Lower Upper
 75 100
 77 28.4 26.0 39.0



#46
 cis-1,3-Dichloropropene
 Concen: 9.213 ppbv
 RT: 5.596 min Scan# 1702
 Delta R.T. 0.003 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

Tgt Ion: 75 Resp: 225952
 Ion Ratio Lower Upper
 75 100
 39 70.2 55.8 83.6
 77 32.1 26.0 39.0

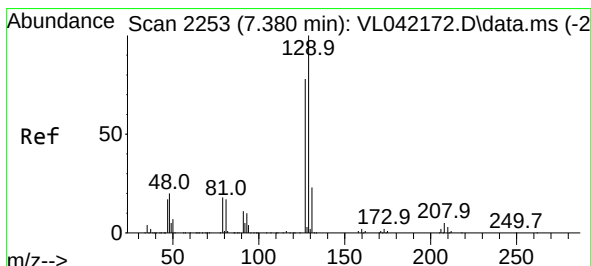
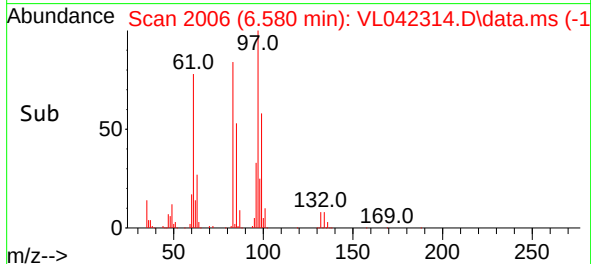
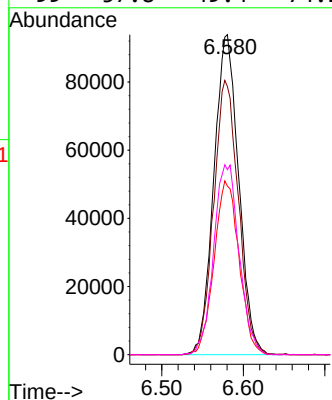
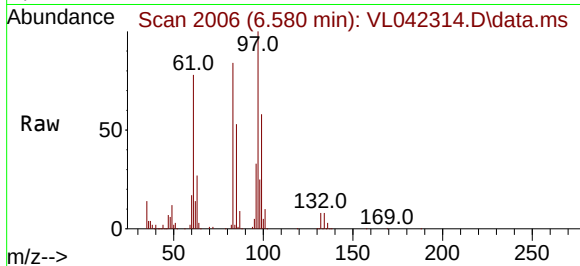




#47
1,1,2-Trichloroethane
Concen: 11.720 ppbv
RT: 6.580 min Scan# 2006
Delta R.T. 0.006 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

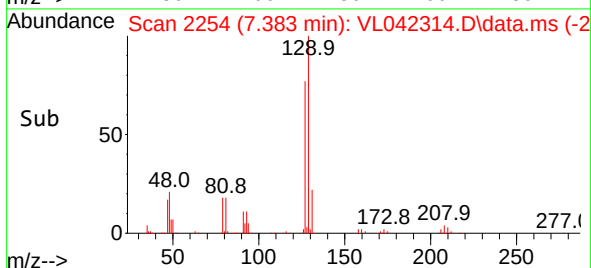
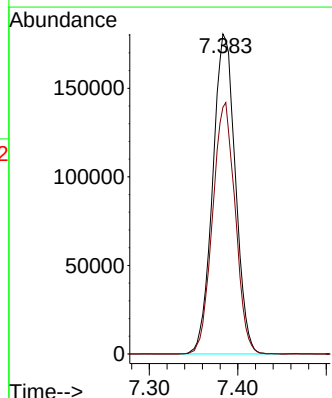
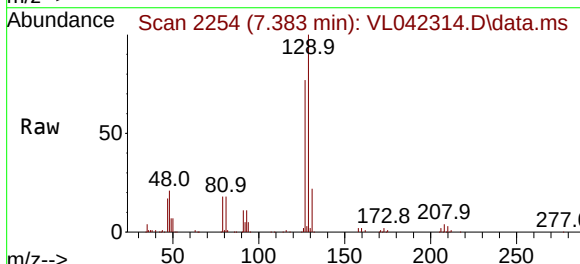
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

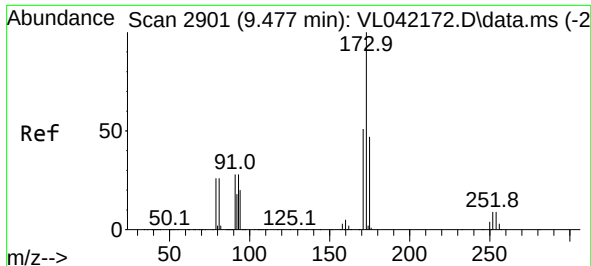
Tgt Ion: 97 Resp: 198762
Ion Ratio Lower Upper
97 100
83 83.8 69.2 103.8
85 52.7 43.1 64.7
99 57.8 49.4 74.2



#48
Dibromochloromethane
Concen: 11.181 ppbv
RT: 7.383 min Scan# 2254
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 129 Resp: 321370
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2

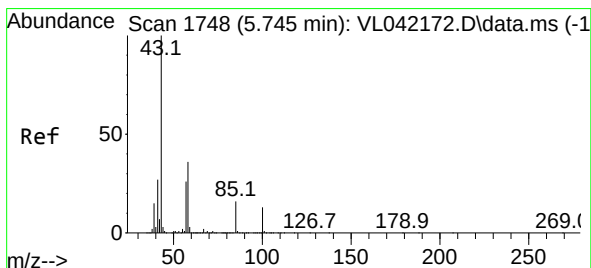
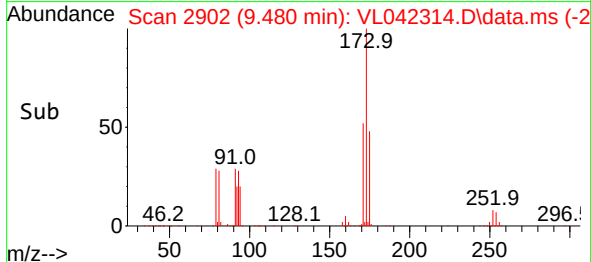
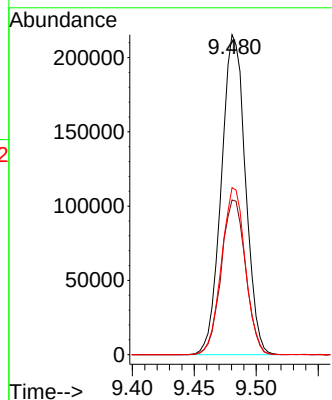
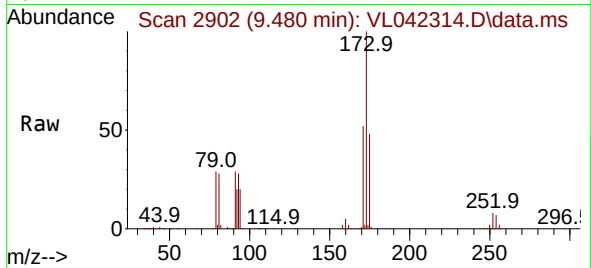




#49
Bromoform
Concen: 11.313 ppbv
RT: 9.480 min Scan# 2901
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

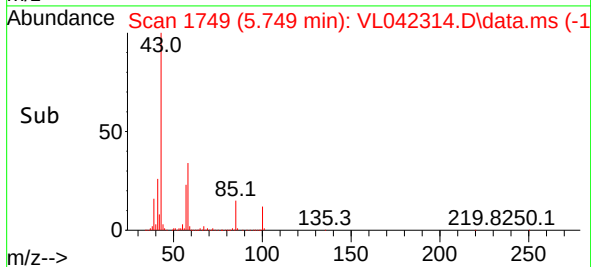
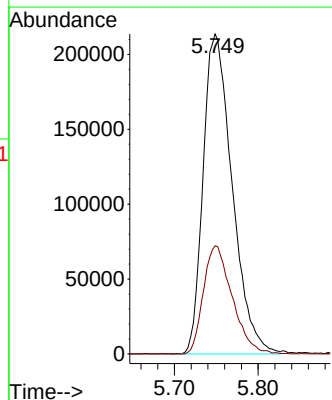
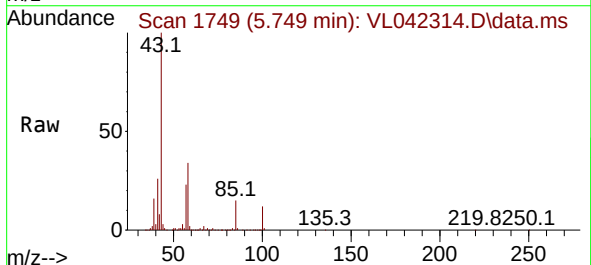
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

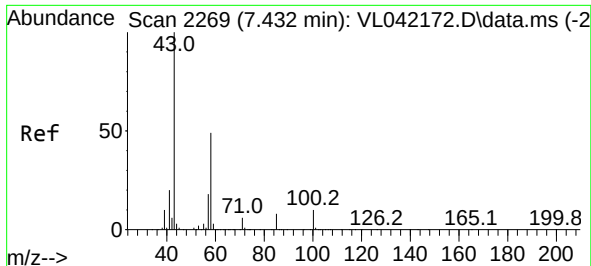
Tgt Ion:173 Resp: 291905
Ion Ratio Lower Upper
173 100
175 49.1 38.6 57.8
171 51.7 41.8 62.6



#50
4-Methyl-2-Pentanone
Concen: 10.084 ppbv
RT: 5.749 min Scan# 1749
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 43 Resp: 514910
Ion Ratio Lower Upper
43 100
58 33.6 29.0 43.6

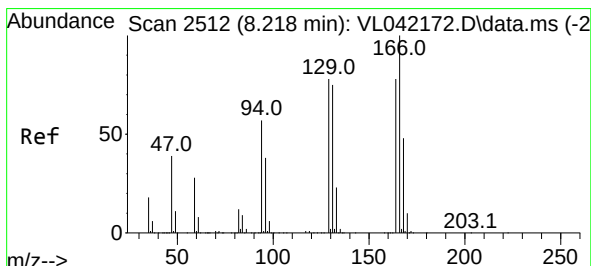
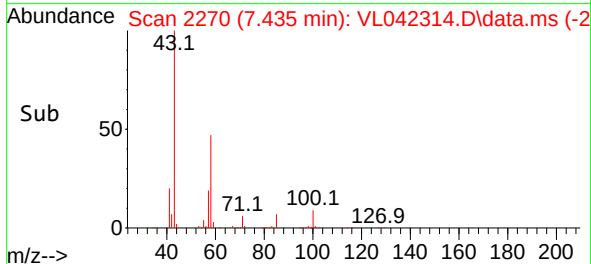
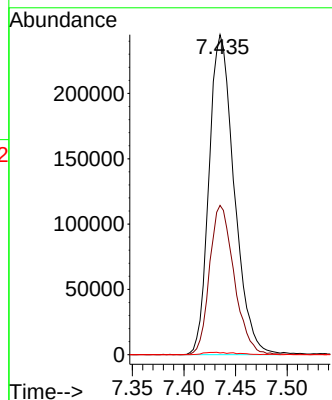
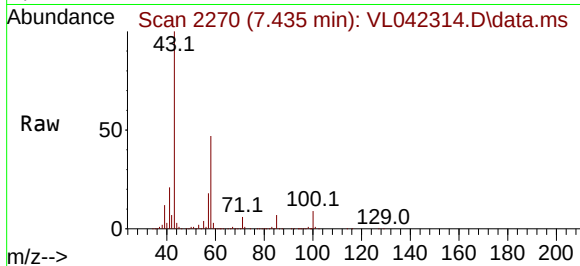




#51
2-Hexanone
Concen: 9.889 ppbv
RT: 7.435 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

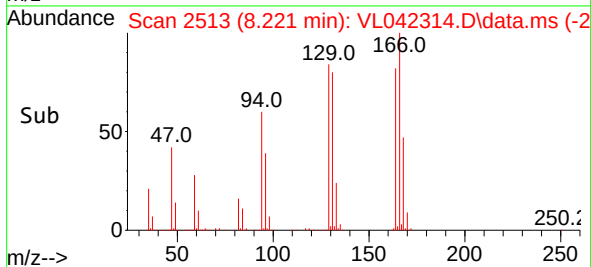
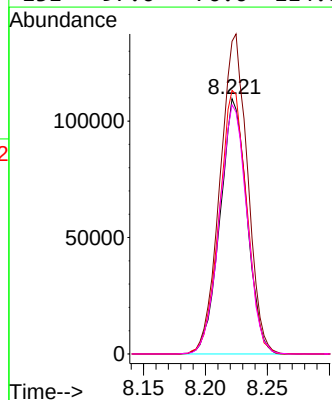
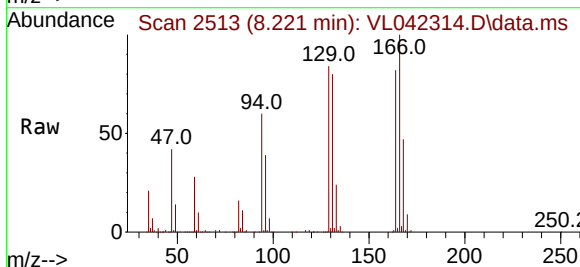
Instrument :
MSVOA_1
ClientSampleId :
VL0411ABS01

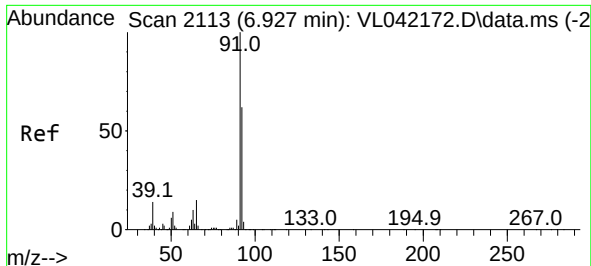
Tgt Ion: 43 Resp: 414681
Ion Ratio Lower Upper
43 100
58 45.6 39.7 59.5
98 1.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.483 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion:164 Resp: 165666
Ion Ratio Lower Upper
164 100
166 122.5 102.5 153.7
129 103.2 79.8 119.8
131 97.6 76.6 114.8

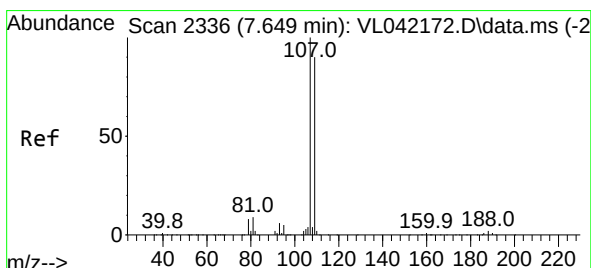
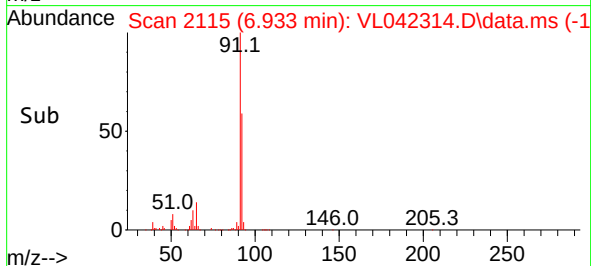
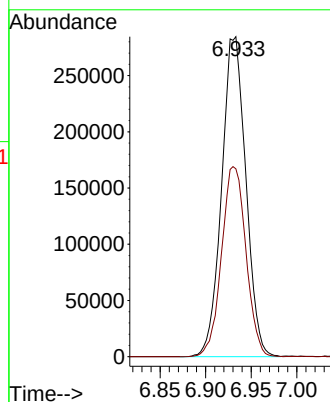
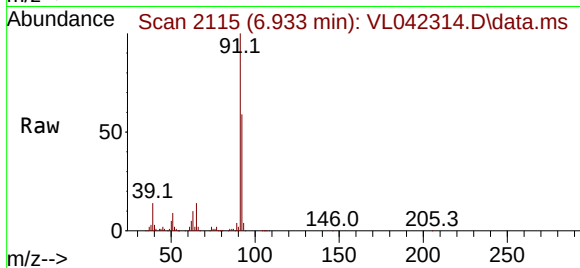




#53
Toluene
Concen: 10.079 ppbv
RT: 6.933 min Scan# 2115
Delta R.T. 0.006 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

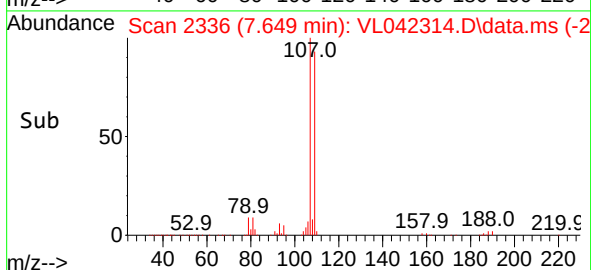
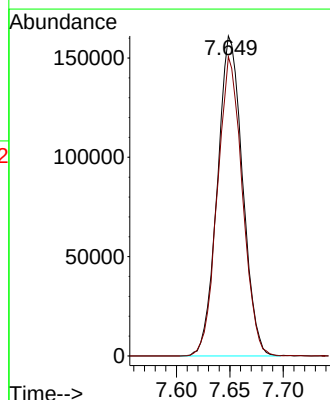
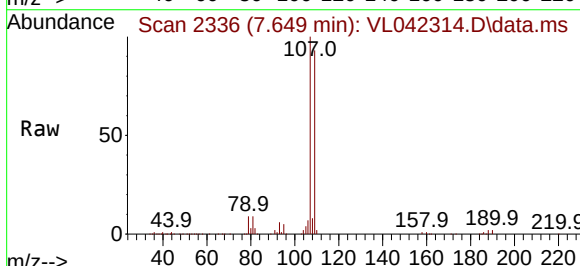
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

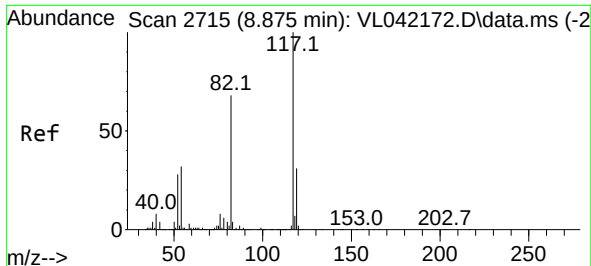
Tgt Ion: 91 Resp: 526341
Ion Ratio Lower Upper
91 100
92 59.9 48.4 72.6



#54
1,2-Dibromoethane
Concen: 11.172 ppbv
RT: 7.649 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 107 Resp: 264126
Ion Ratio Lower Upper
107 100
109 93.5 72.2 108.4

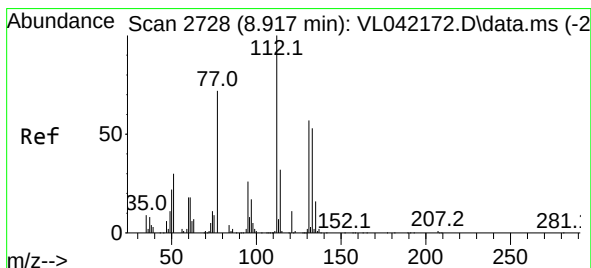
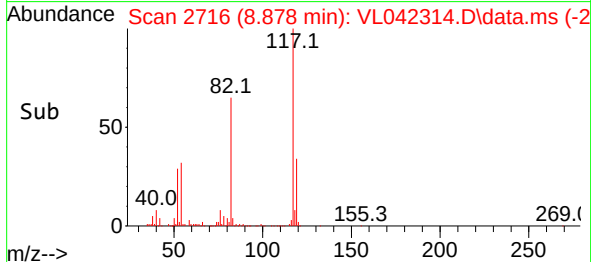
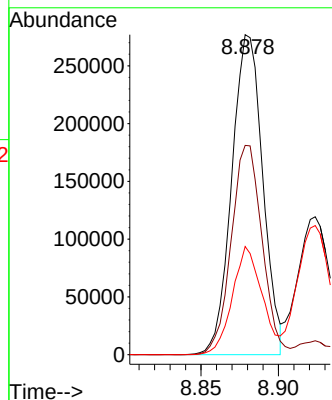
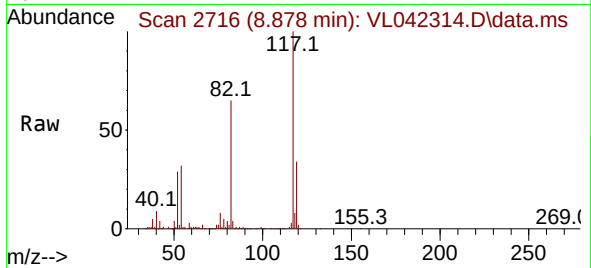




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

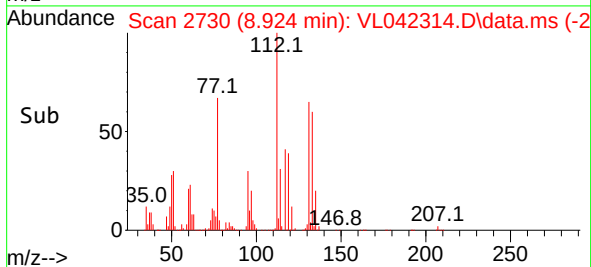
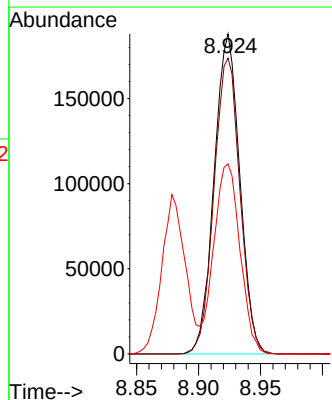
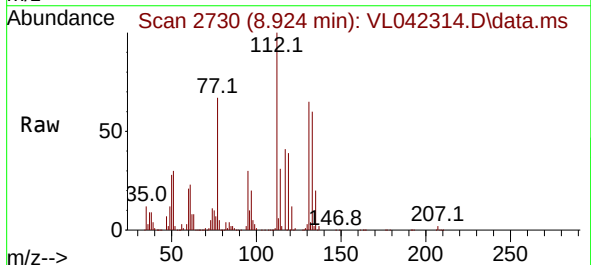
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

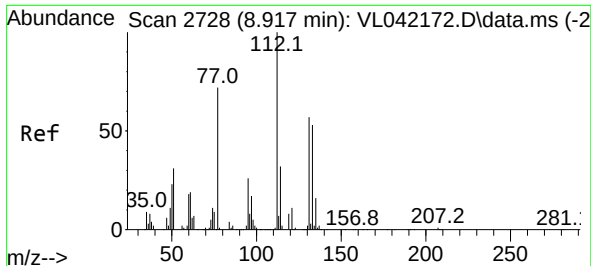
Tgt Ion:117 Resp: 386060
Ion Ratio Lower Upper
117 100
82 69.5 55.8 83.6
119 31.8 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 12.755 ppbv
RT: 8.924 min Scan# 2730
Delta R.T. 0.006 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion:131 Resp: 271061
Ion Ratio Lower Upper
131 100
133 93.8 76.6 114.8
119 59.2 49.8 74.6

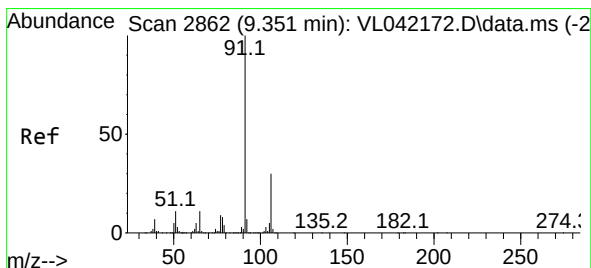
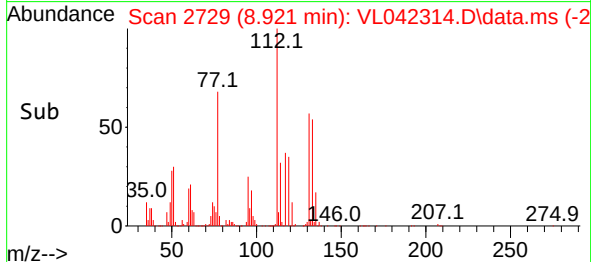
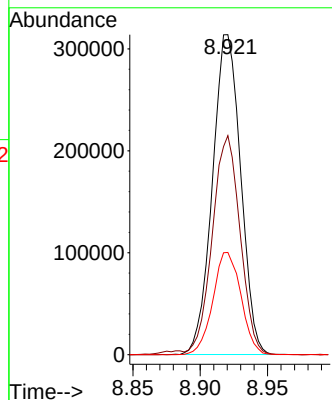
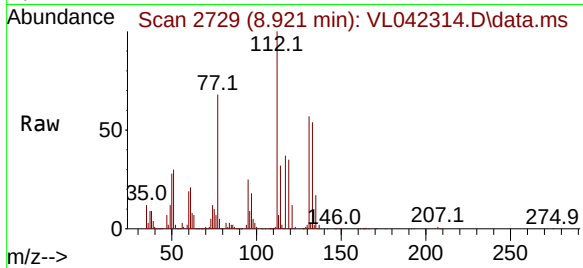




#57
Chlorobenzene
Concen: 12.486 ppbv
RT: 8.921 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

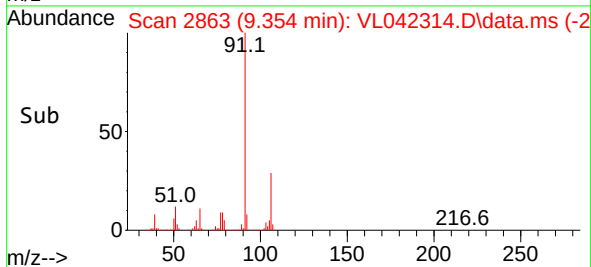
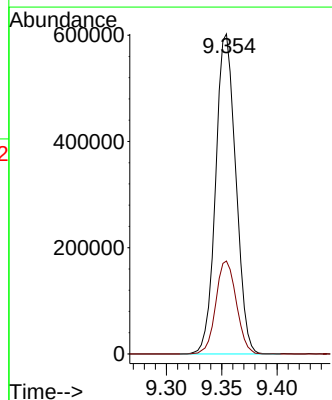
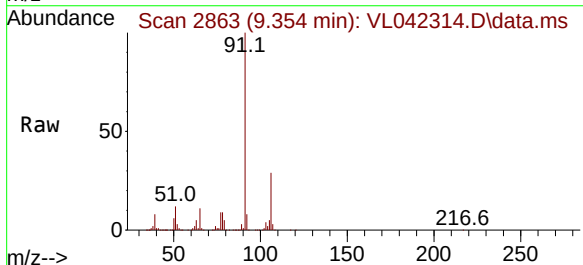
Instrument :
MSVOA_1
ClientSampleId :
VL0411ABS01

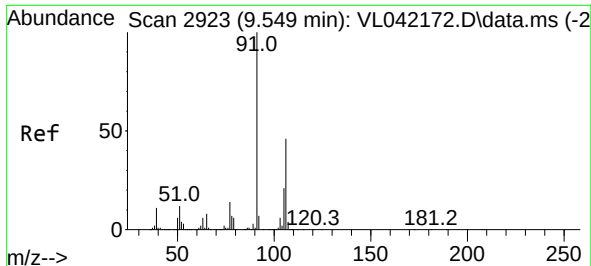
Tgt Ion:112 Resp: 457204
Ion Ratio Lower Upper
112 100
77 68.4 58.2 87.2
114 31.9 29.1 35.5



#58
Ethyl Benzene
Concen: 11.105 ppbv
RT: 9.354 min Scan# 2863
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 91 Resp: 761549
Ion Ratio Lower Upper
91 100
106 29.1 24.2 36.2





#59

m/p-Xylene

Concen: 10.514 ppbv

RT: 9.548 min Scan# 2923

Delta R.T. -0.000 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

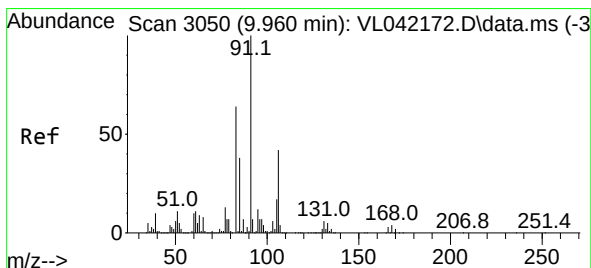
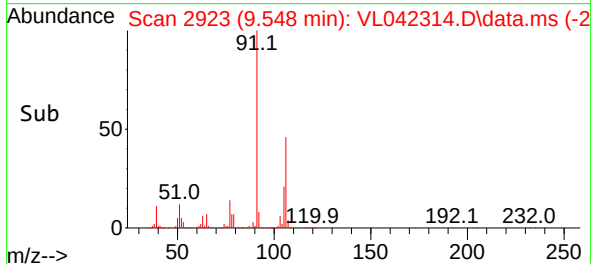
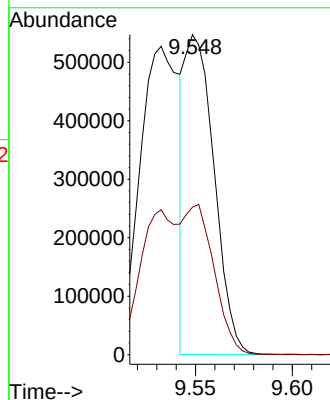
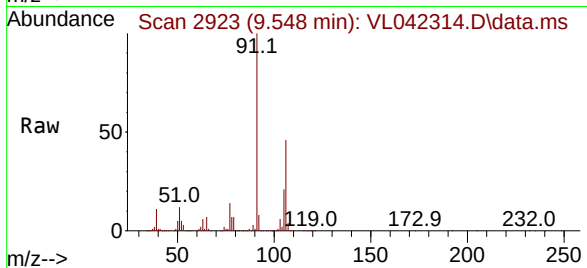
VL0411ABS01

Tgt Ion: 91 Resp: 575744

Ion Ratio Lower Upper

91 100

106 107.0 36.4 54.6#



#60

o-Xylene

Concen: 11.929 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VL042314.D

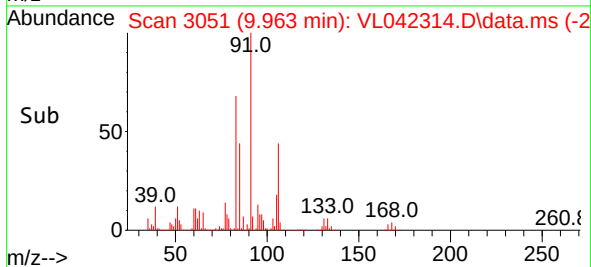
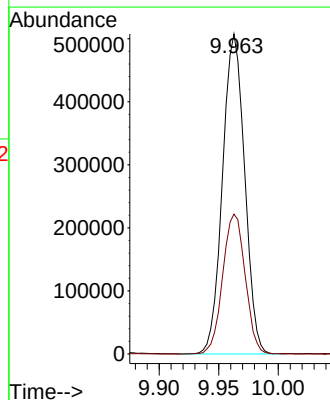
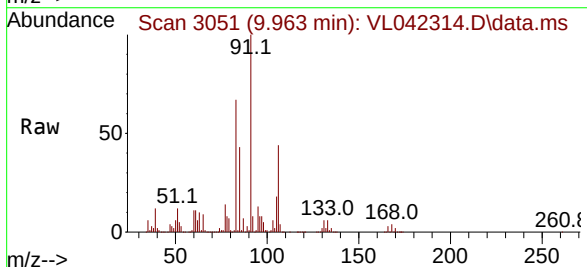
Acq: 11 Apr 2025 11:23

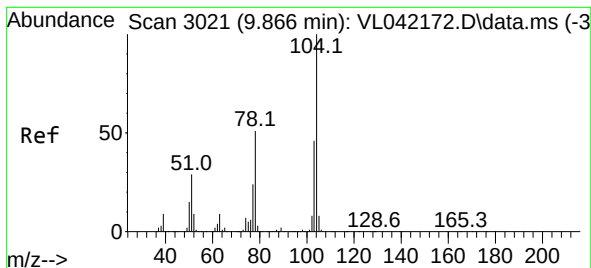
Tgt Ion: 91 Resp: 654791

Ion Ratio Lower Upper

91 100

106 44.4 20.8 62.5





#61

Styrene

Concen: 10.470 ppbv

RT: 9.869 min Scan# 3021

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_1

ClientSampleId :

VL0411ABS01

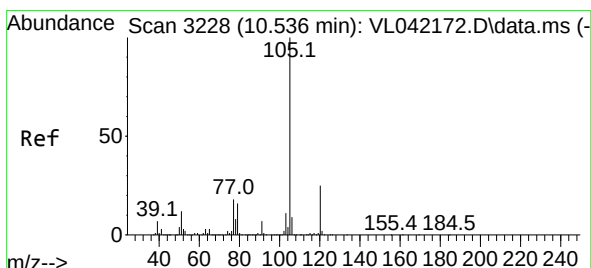
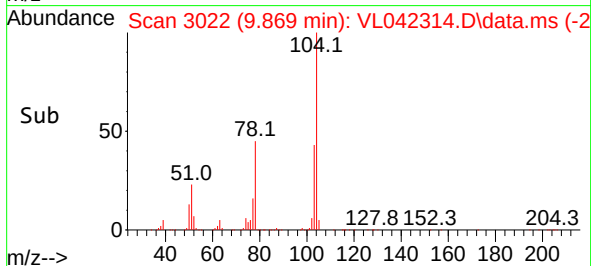
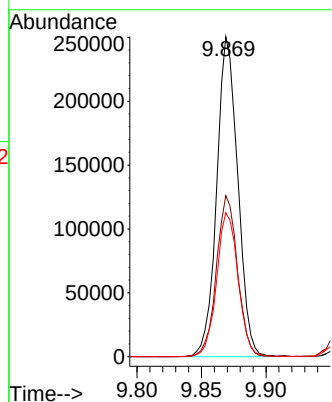
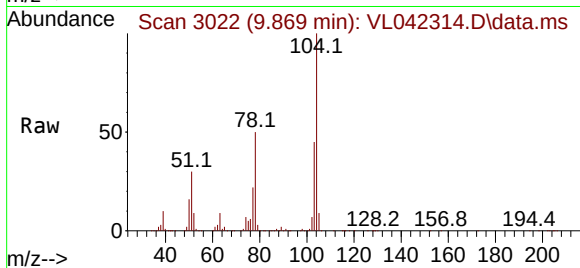
Tgt Ion:104 Resp: 284318

Ion Ratio Lower Upper

104 100

78 50.5 41.8 62.6

103 45.9 37.0 55.4



#62

Isopropylbenzene

Concen: 11.887 ppbv

RT: 10.539 min Scan# 3229

Delta R.T. 0.003 min

Lab File: VL042314.D

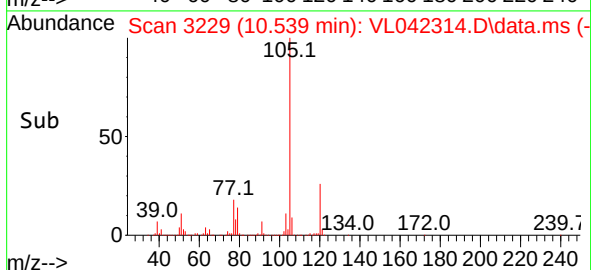
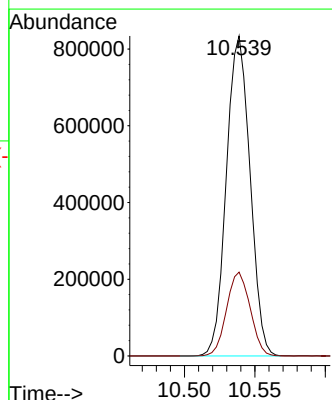
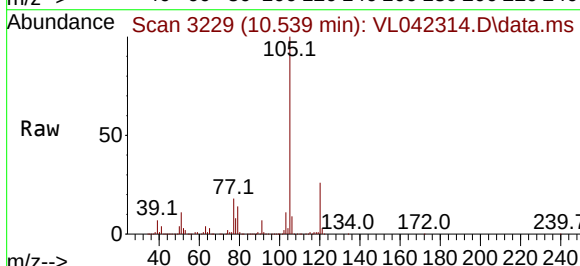
Acq: 11 Apr 2025 11:23

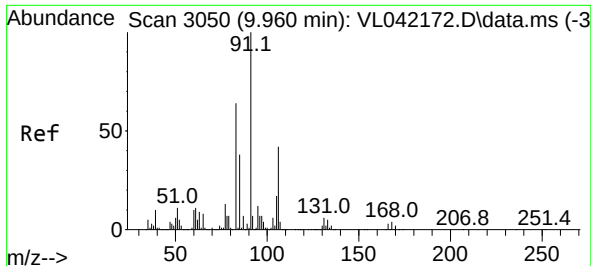
Tgt Ion:105 Resp: 975799

Ion Ratio Lower Upper

105 100

120 26.1 19.9 29.9

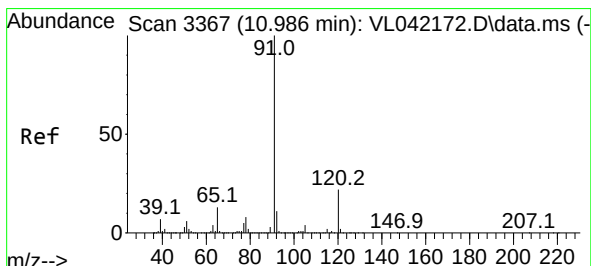
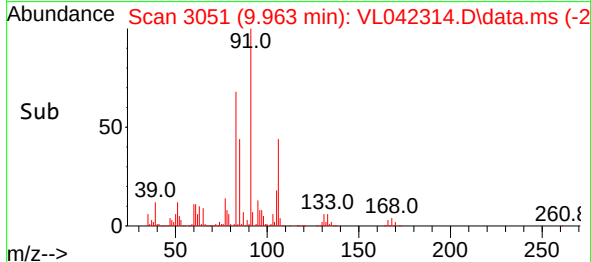
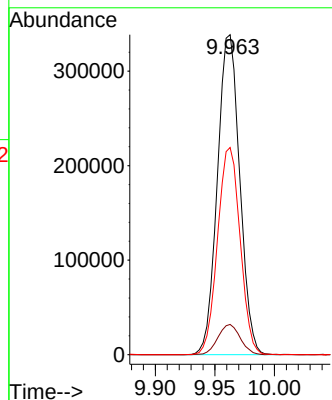
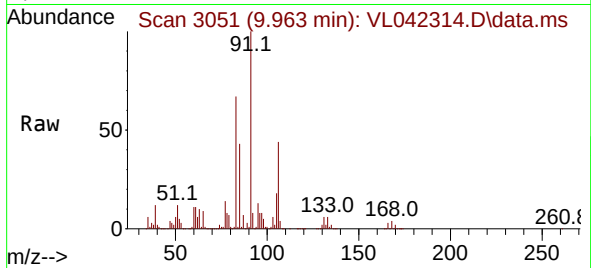




#63
1,1,2,2-Tetrachloroethane
Concen: 13.222 ppbv
RT: 9.963 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

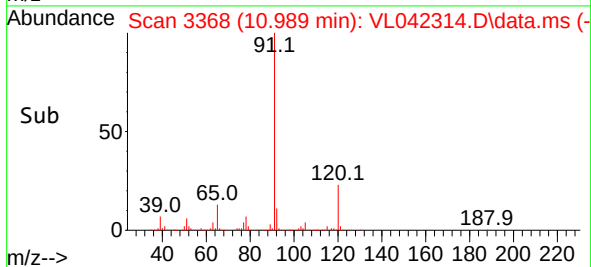
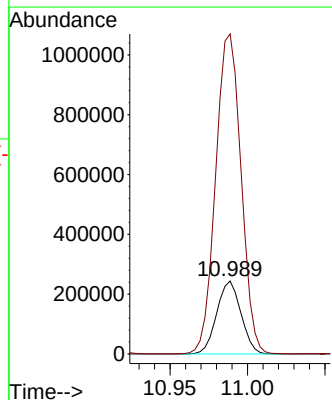
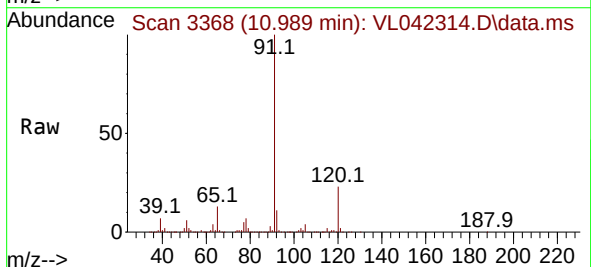
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

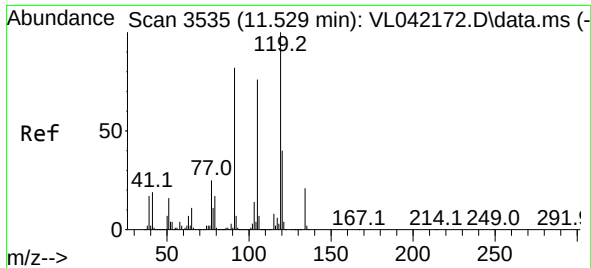
Tgt Ion: 83 Resp: 440972
Ion Ratio Lower Upper
83 100
131 9.5 4.8 14.4
85 65.3 32.5 97.5



#64
n-propylbenzene
Concen: 12.518 ppbv
RT: 10.989 min Scan# 3368
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 120 Resp: 264518
Ion Ratio Lower Upper
120 100
91 461.4 376.9 565.3

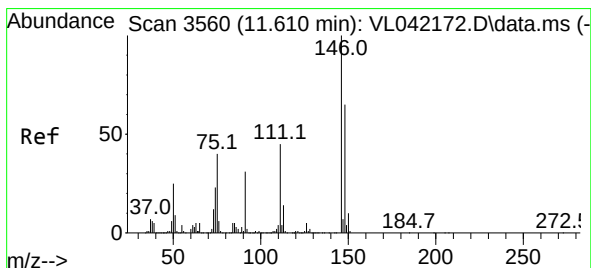
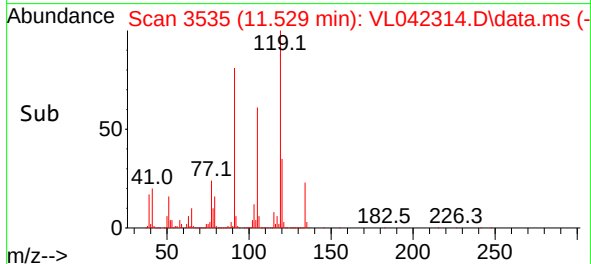
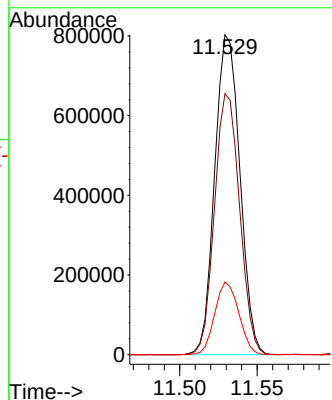
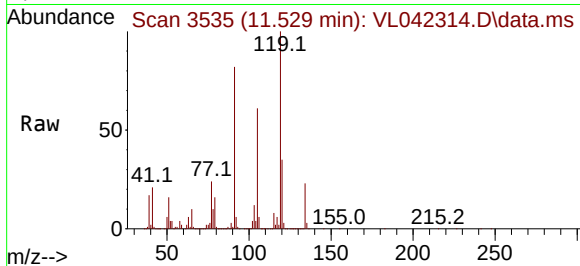




#65
tert-Butylbenzene
Concen: 11.973 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

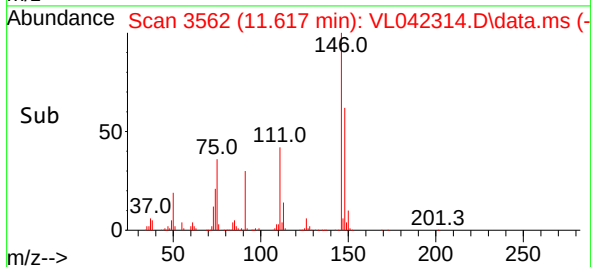
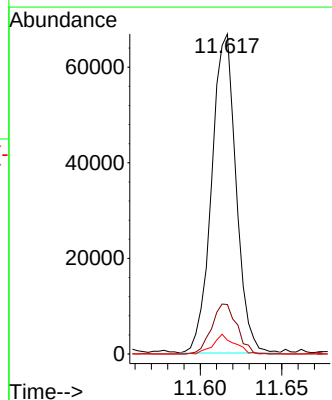
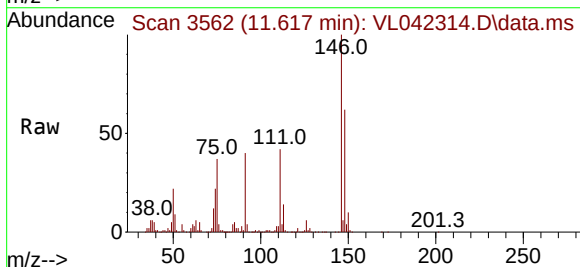
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

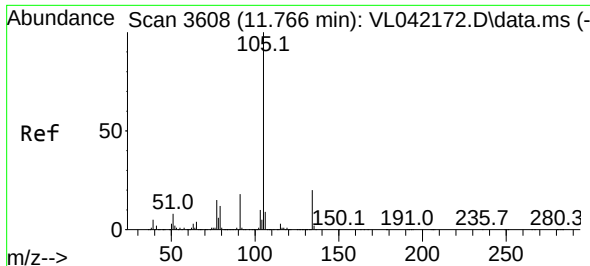
Tgt Ion:119 Resp: 908946
Ion Ratio Lower Upper
119 100
91 81.4 66.0 99.0
134 21.7 16.7 25.1



#66
Benzyl Chloride
Concen: 8.634 ppbv
RT: 11.617 min Scan# 3562
Delta R.T. 0.006 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 91 Resp: 69548
Ion Ratio Lower Upper
91 100
126 16.1 13.8 20.6
128 5.5 4.5 6.7

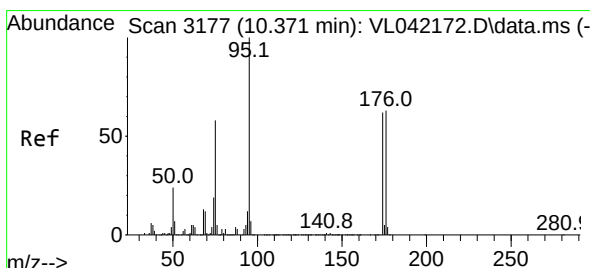
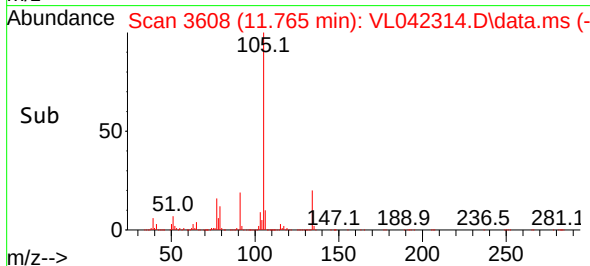
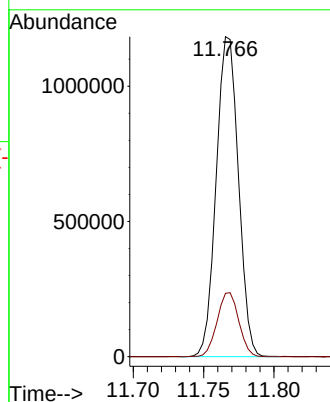
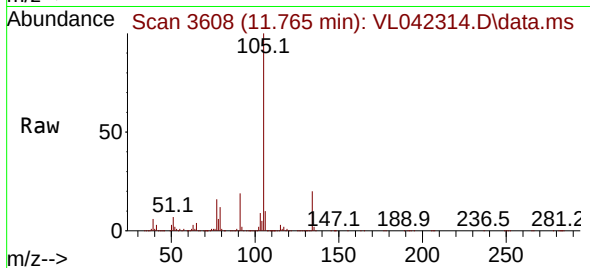




#67
 sec-Butylbenzene
 Concen: 12.320 ppbv
 RT: 11.765 min Scan# 310
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

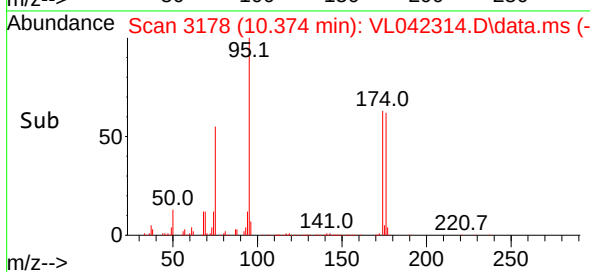
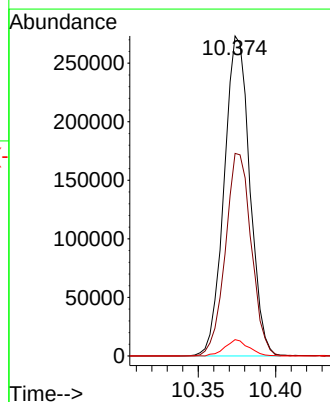
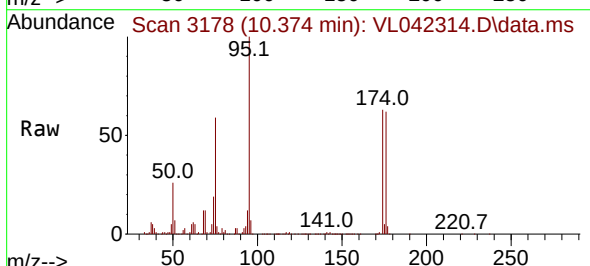
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0411ABS01

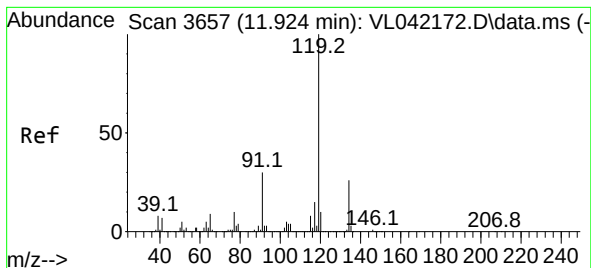
Tgt Ion:105 Resp: 1300090
 Ion Ratio Lower Upper
 105 100
 134 19.6 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.910 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.003 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

Tgt Ion: 95 Resp: 314180
 Ion Ratio Lower Upper
 95 100
 174 64.2 50.6 76.0
 175 4.7 3.8 5.6





#69

p-Isopropyltoluene

Concen: 12.051 ppbv

RT: 11.924 min Scan# 3

Delta R.T. -0.000 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0411ABS01

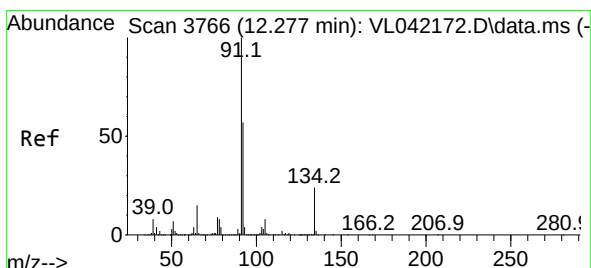
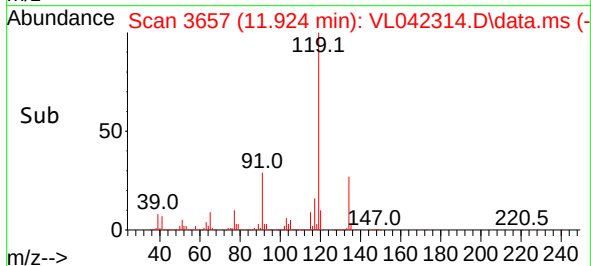
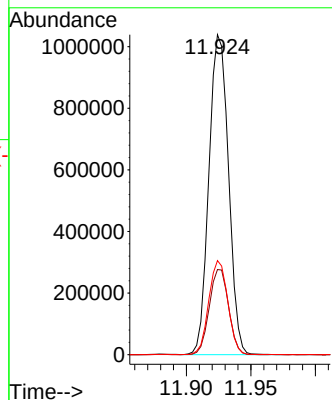
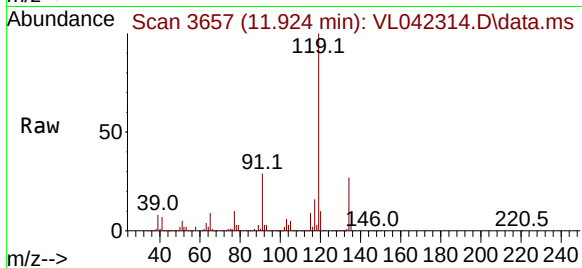
Tgt Ion:119 Resp: 1095041

Ion Ratio Lower Upper

119 100

134 26.3 20.4 30.6

91 28.5 23.7 35.5



#70

n-Butylbenzene

Concen: 12.159 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

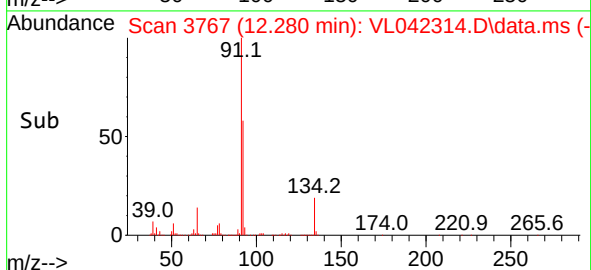
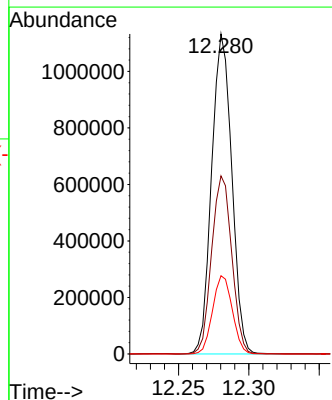
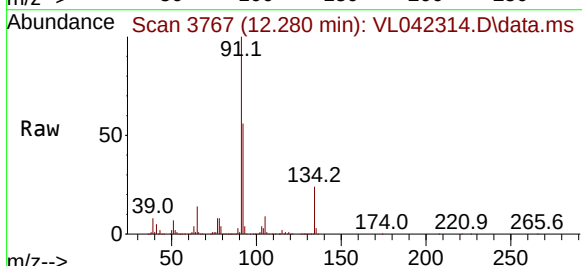
Tgt Ion: 91 Resp: 1129853

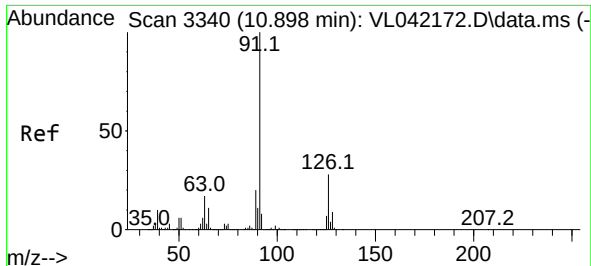
Ion Ratio Lower Upper

91 100

92 55.7 44.9 67.3

134 23.9 19.2 28.8

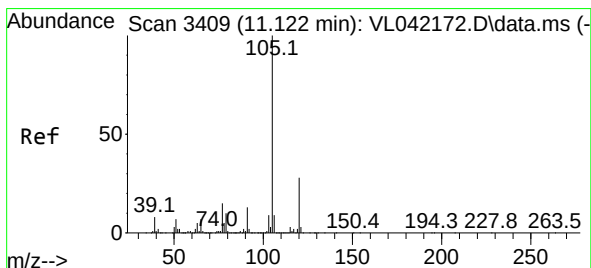
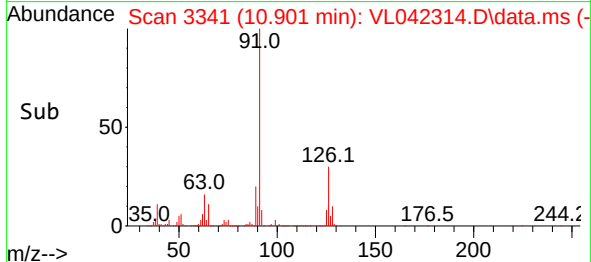
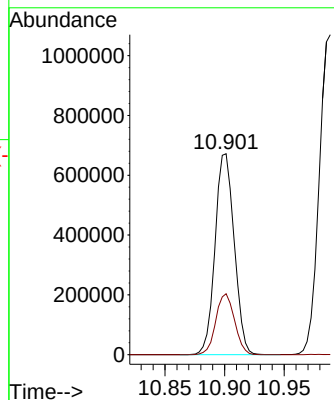
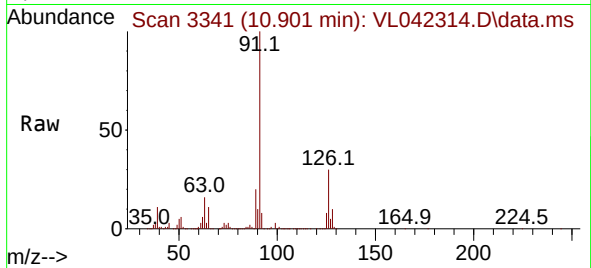




#71
2-Chlorotoluene
Concen: 11.768 ppbv
RT: 10.901 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

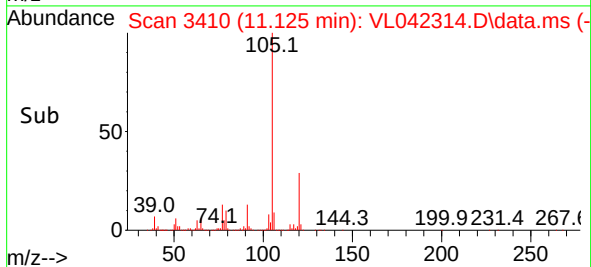
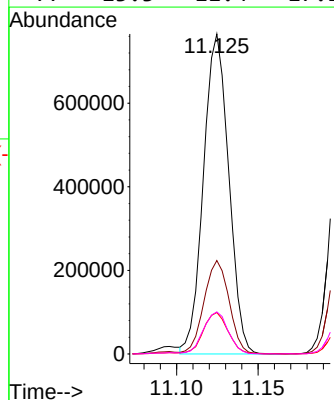
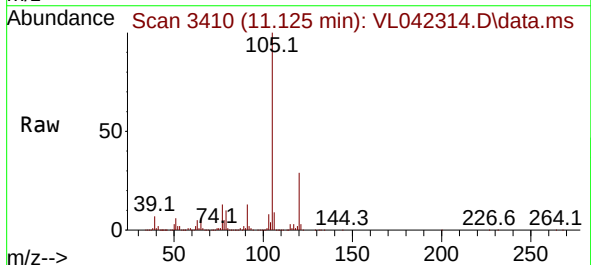
Instrument :
MSVOA_L
ClientSampleId :
VL0411ABS01

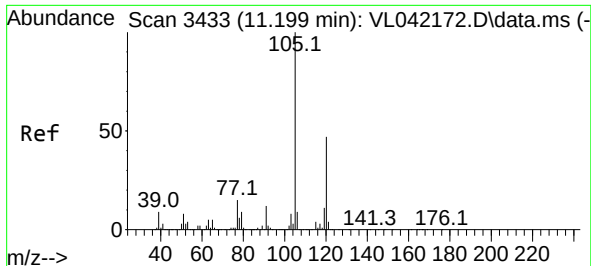
Tgt Ion: 91 Resp: 749737
Ion Ratio Lower Upper
91 100
126 29.7 11.6 46.4



#72
4-Ethyltoluene
Concen: 12.071 ppbv
RT: 11.125 min Scan# 3410
Delta R.T. 0.003 min
Lab File: VL042314.D
Acq: 11 Apr 2025 11:23

Tgt Ion: 105 Resp: 825037
Ion Ratio Lower Upper
105 100
120 29.7 23.4 35.0
91 13.0 10.3 15.5
77 13.3 11.4 17.2

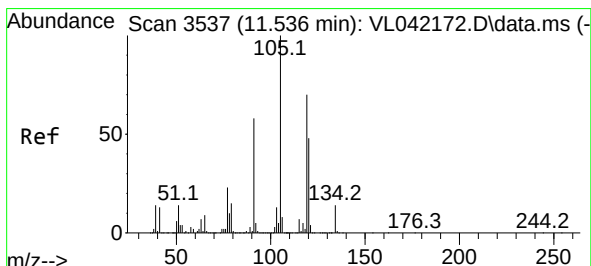
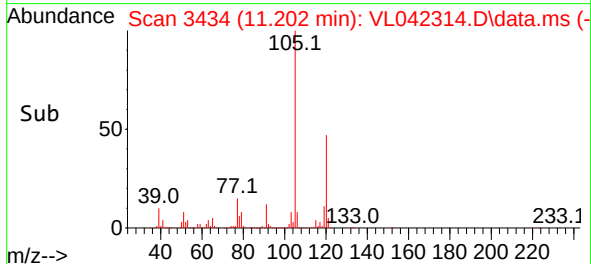
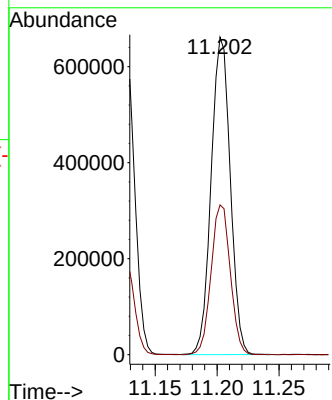
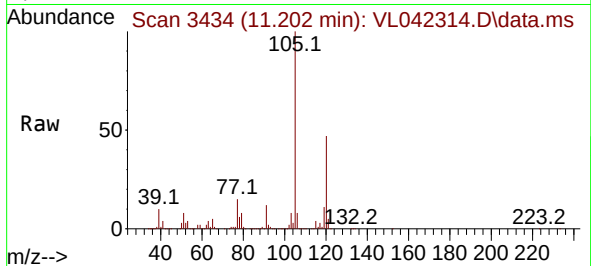




#73
 1,3,5-Trimethylbenzene
 Concen: 11.914 ppbv
 RT: 11.202 min Scan# 3434
 Delta R.T. 0.003 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

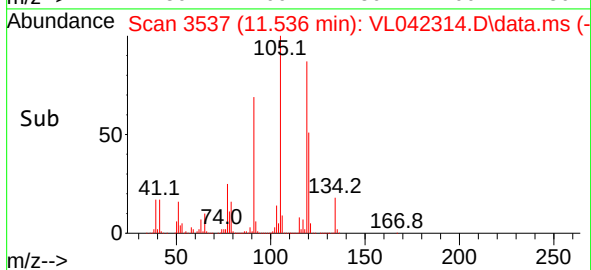
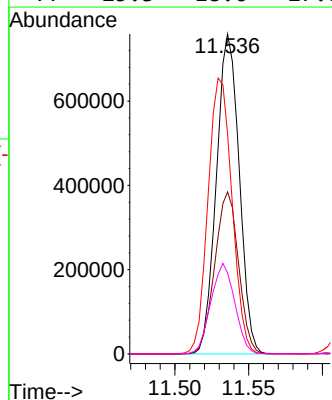
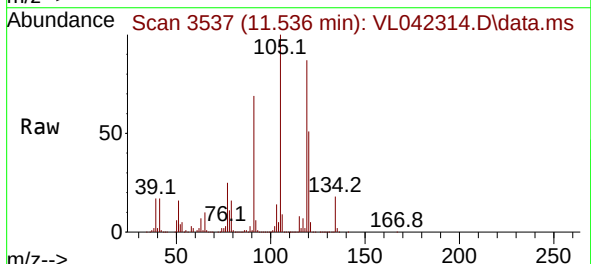
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0411ABS01

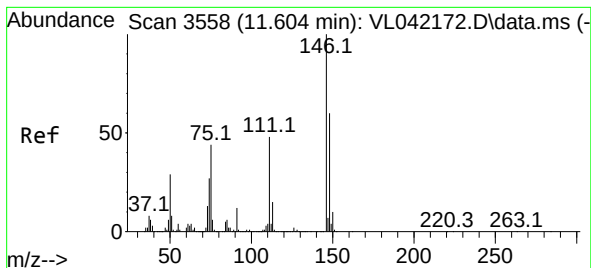
Tgt Ion:105 Resp: 711175
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.4 56.0



#74
 1,2,4-Trimethylbenzene
 Concen: 11.873 ppbv
 RT: 11.536 min Scan# 3537
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

Tgt Ion:105 Resp: 816505
 Ion Ratio Lower Upper
 105 100
 120 50.6 38.6 58.0
 91 68.8 46.2 69.2
 77 25.3 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 12.835 ppbv

RT: 11.607 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_1

ClientSampleId :

VL0411ABS01

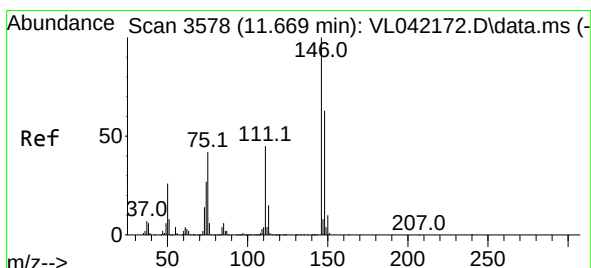
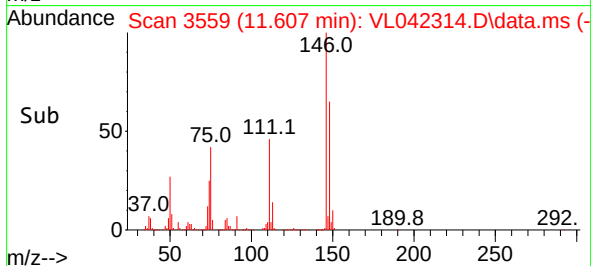
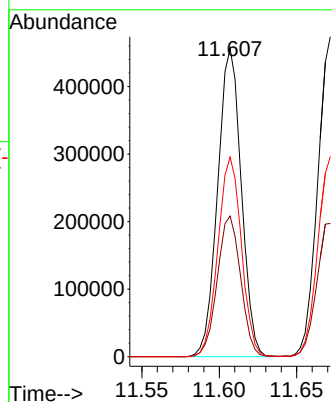
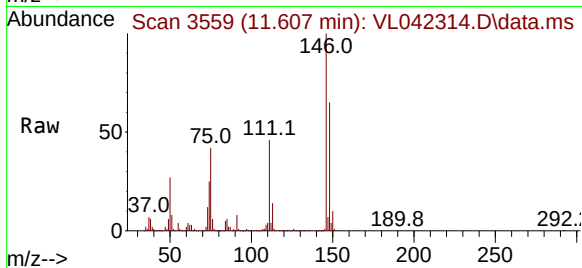
Tgt Ion:146 Resp: 484099

Ion Ratio Lower Upper

146 100

111 45.2 23.8 71.2

148 64.3 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 12.933 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

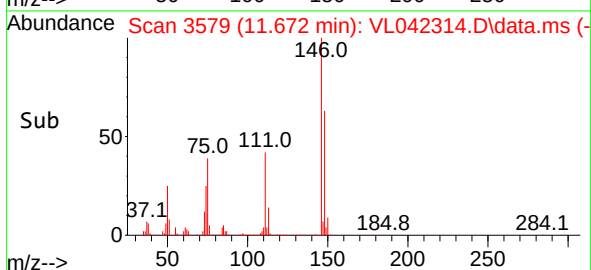
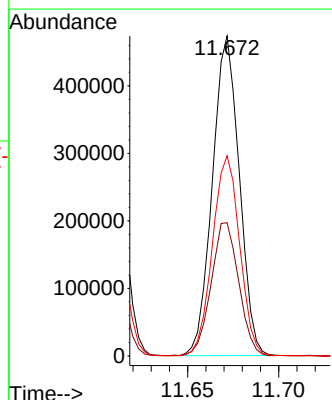
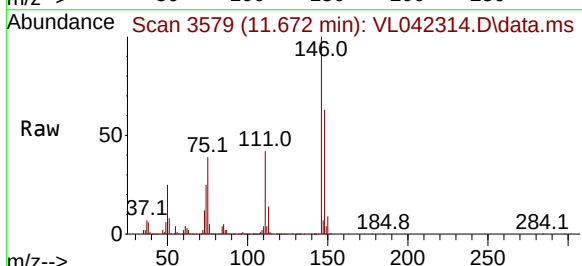
Tgt Ion:146 Resp: 485460

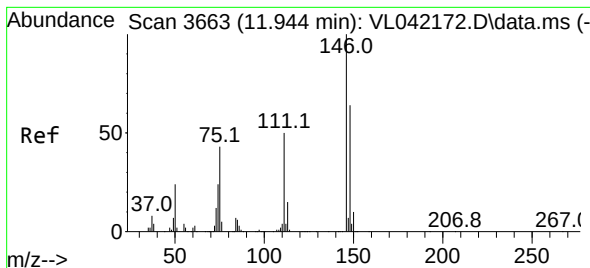
Ion Ratio Lower Upper

146 100

111 43.1 23.0 69.0

148 63.7 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 13.218 ppbv

RT: 11.947 min Scan# 3663

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_L

ClientSampleId :

VL0411ABS01

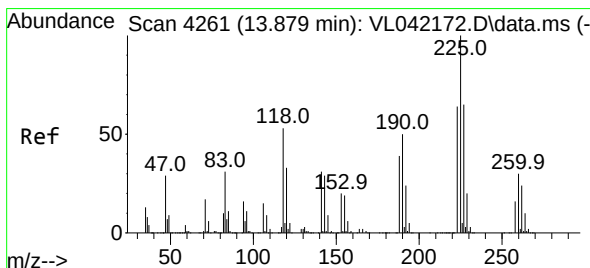
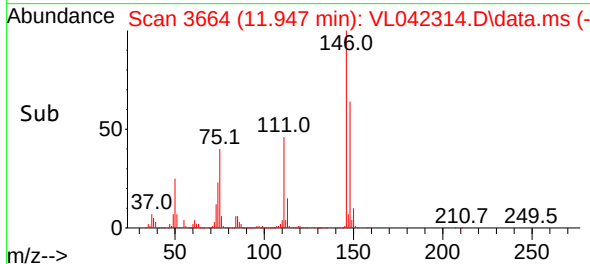
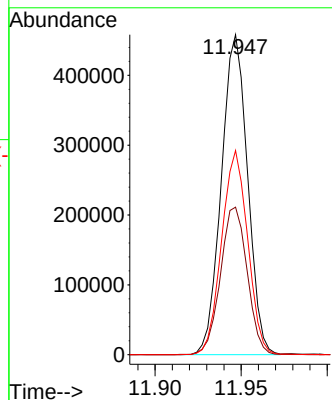
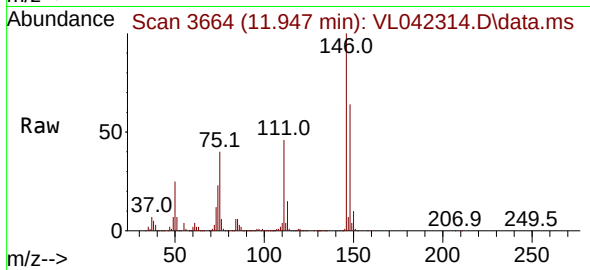
Tgt Ion:146 Resp: 485421

Ion Ratio Lower Upper

146 100

111 47.1 24.8 74.3

148 63.5 31.6 94.8



#78

Hexachloro-1,3-Butadiene

Concen: 9.814 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

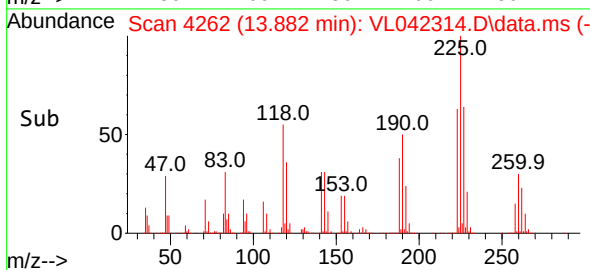
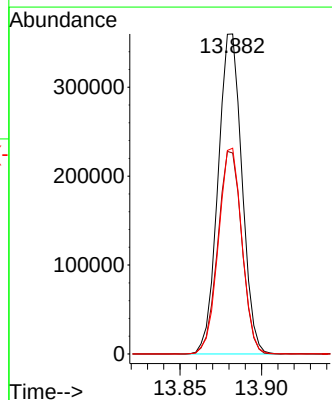
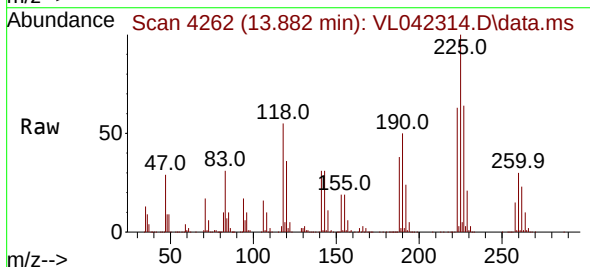
Tgt Ion:225 Resp: 366850

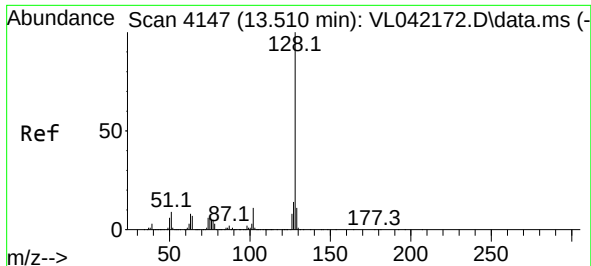
Ion Ratio Lower Upper

225 100

223 63.5 50.6 76.0

227 63.2 51.2 76.8





#79

Naphthalene

Concen: 10.904 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

Instrument :

MSVOA_1

ClientSampleId :

VL0411ABS01

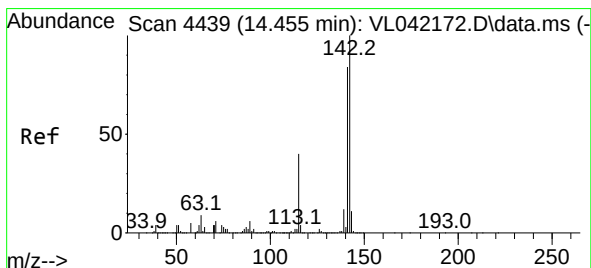
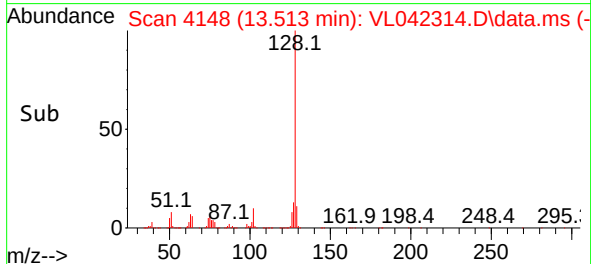
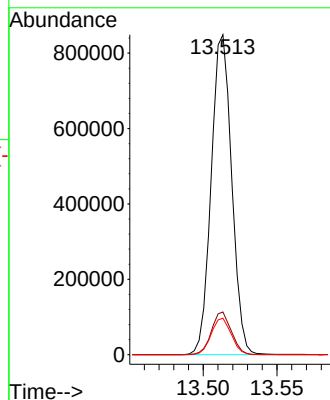
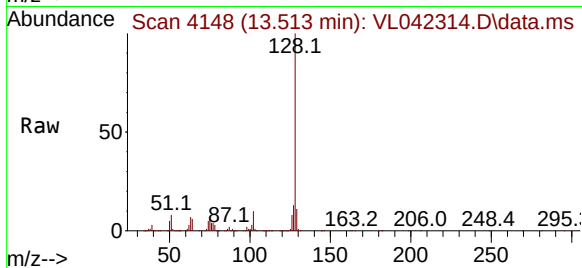
Tgt Ion:128 Resp: 820200

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 11.4 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 7.434 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.000 min

Lab File: VL042314.D

Acq: 11 Apr 2025 11:23

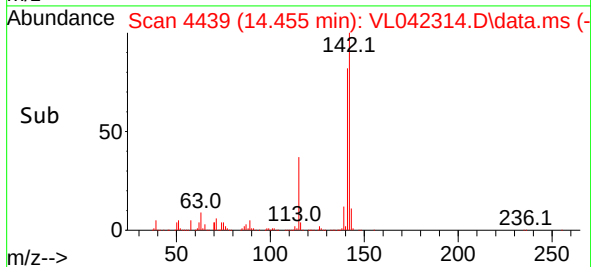
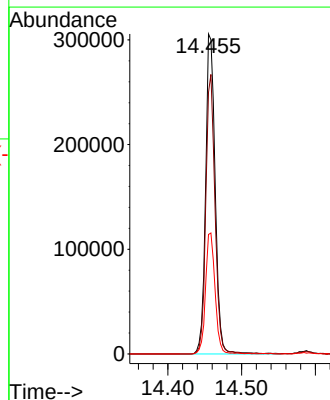
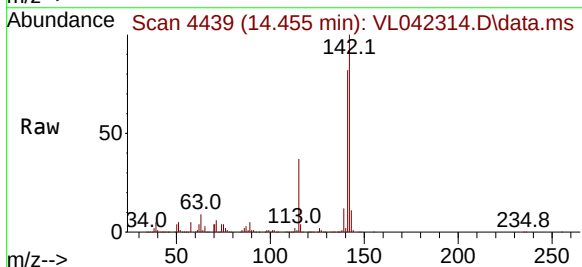
Tgt Ion:142 Resp: 274227

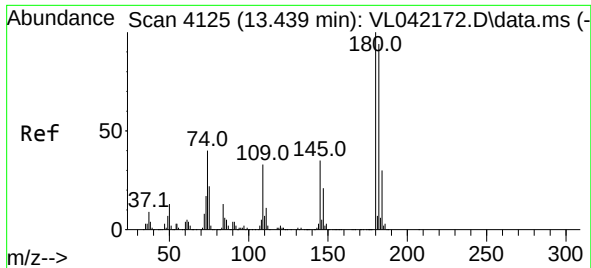
Ion Ratio Lower Upper

142 100

141 84.7 66.3 99.5

115 37.9 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.762 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042314.D
 Acq: 11 Apr 2025 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0411ABS01

Tgt Ion:180 Resp: 373404
 Ion Ratio Lower Upper
 180 100
 182 94.7 75.1 112.7
 184 30.3 24.4 36.6

