

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
 Data File : VL042397.D
 Acq On : 21 Apr 2025 10:14
 Operator : SY/MD
 Sample : VL0421ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01

Quant Time: Apr 22 02:51:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.781	49	118401	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	337921	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	293537	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	260048	10.781	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.496	85	212503	10.158	ppbv	98
3) Chlorodifluoromethane	1.473	51	175535	8.812	ppbv	95
4) Chloromethane	1.531	50	79791	9.638	ppbv	94
5) Vinyl Chloride	1.577	62	77905	8.645	ppbv	97
6) Bromomethane	1.664	94	35087	9.064	ppbv	87
7) Chloroethane	1.700	64	30814	9.455	ppbv	96
8) Dichlorotetrafluoroethane	1.551	85	182258	10.147	ppbv	94
9) Propene	1.480	41	69080	7.615	ppbv	97
10) Heptane	4.969	43	187072	7.340	ppbv	99
11) Trichlorofluoromethane	1.875	101	205641	10.337	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.133	101	156363	9.613	ppbv	98
13) Ethanol	1.716	45	4602	3.192	ppbv	92
14) Bromoethene	1.777	108	58938	9.613	ppbv	98
15) Acetone	1.832	43	168065	8.671	ppbv	98
16) 1,3-Butadiene	1.606	39	83577	9.015	ppbv	92
17) tert-Butyl alcohol	2.036	59	216440	9.011	ppbv	100
18) 1,1-Dichloroethene	2.030	96	71097	9.356	ppbv	95
19) Isopropyl Alcohol	1.881	45	96437	8.956	ppbv	93
20) Methylene Chloride	2.056	84	60417	7.959	ppbv	89
21) Allyl Chloride	2.091	41	122313	9.140	ppbv	97
22) trans-1,2-Dichloroethene	2.334	96	78976	9.128	ppbv	98
23) Vinyl Acetate	2.457	43	54610	6.961	ppbv #	96
24) 1,1-Dichloroethane	2.402	63	157093	9.559	ppbv	99
25) Ethyl Acetate	2.829	43	393203	8.228	ppbv	99
26) Hexane	2.820	57	151103	7.813	ppbv	99
27) Carbon Disulfide	2.146	76	194719	9.404	ppbv	98
28) Methyl tert-Butyl Ether	2.434	73	108007	8.524	ppbv	93
29) Chloroform	2.842	83	262639	9.608	ppbv	98
30) Cyclohexane	3.846	84	133153	8.517	ppbv	98
31) cis-1,2-Dichloroethene	2.713	61	166447	9.052	ppbv	95
32) 1,1,1-Trichloroethane	3.360	97	285156	9.266	ppbv	98
34) 2-Butanone	2.554	43	220966	8.268	ppbv	98
35) Carbon Tetrachloride	3.755	117	291941	9.546	ppbv	95
36) Benzene	3.648	78	312290	8.568	ppbv	97
37) 1,2-Dichloroethane	3.211	62	225346	10.301	ppbv #	96
38) Trichloroethene	4.542	130	123977	7.783	ppbv	98
39) 1,2-Dichloropropane	4.305	63	112058	8.250	ppbv #	90
40) 1,4-Dioxane	4.571	88	55511	7.437	ppbv #	93
41) Tetrahydrofuran	3.046	42	121497	7.797	ppbv	99
42) Bromodichloromethane	4.480	83	294127	9.661	ppbv	98
43) Methyl Methacrylate	4.872	69	125779	7.657	ppbv	93
44) 2,2,4-Trimethylpentane	4.629	57	508984	8.085	ppbv	95
45) t-1,3-Dichloropropene	6.399	75	142114	8.469	ppbv	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042125\
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 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

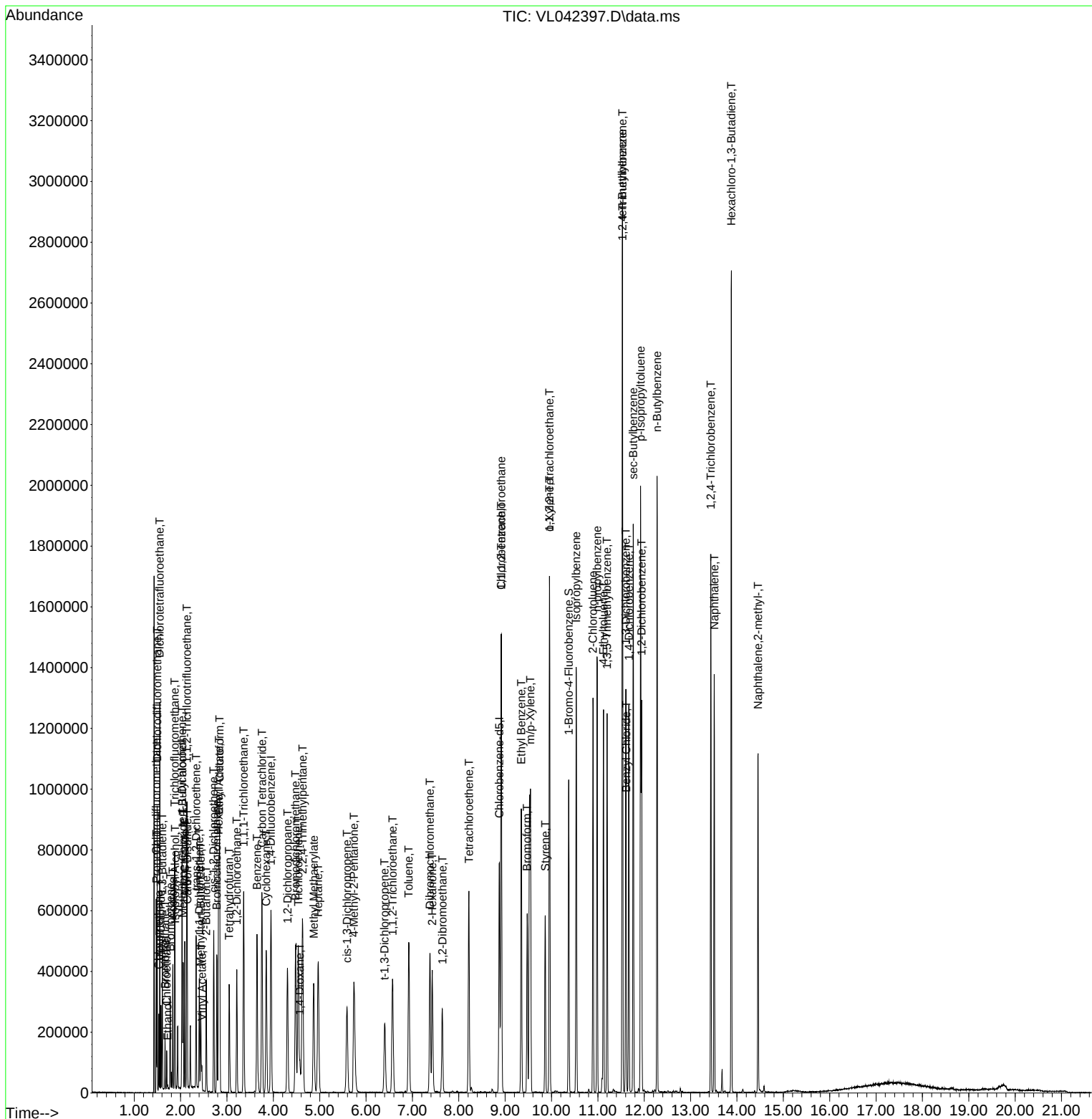
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 ClientSampleId :
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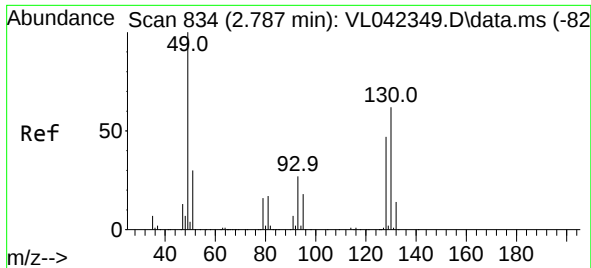
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.590	75	171445	8.348	ppbv #	84
47) 1,1,2-Trichloroethane	6.574	97	124092	8.967	ppbv	95
48) Dibromochloromethane	7.377	129	225553	9.226	ppbv	99
49) Bromoform	9.474	173	188764	8.830	ppbv	100
50) 4-Methyl-2-Pentanone	5.739	43	318982	7.182	ppbv	99
51) 2-Hexanone	7.429	43	266951	6.702	ppbv #	95
52) Tetrachloroethene	8.222	164	104899	7.446	ppbv	97
53) Toluene	6.920	91	361443	8.264	ppbv	99
54) 1,2-Dibromoethane	7.645	107	175799	8.877	ppbv	94
56) 1,1,1,2-Tetrachloroethane	8.917	131	169656	9.550	ppbv	97
57) Chlorobenzene	8.914	112	270733	8.868	ppbv	98
58) Ethyl Benzene	9.348	91	524070	9.011	ppbv	100
59) m/p-Xylene	9.545	91	391682	8.360	ppbv #	25
60) o-Xylene	9.956	91	433062	9.179	ppbv	97
61) Styrene	9.866	104	194756	8.648	ppbv	98
62) Isopropylbenzene	10.533	105	641535	9.262	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.956	83	257428	8.420	ppbv	99
64) n-propylbenzene	10.982	120	155343	8.922	ppbv	96
65) tert-Butylbenzene	11.526	119	573929	9.015	ppbv	96
66) Benzyl Chloride	11.610	91	51025	7.294	ppbv	97
67) sec-Butylbenzene	11.762	105	802355	9.061	ppbv	99
69) p-Isopropyltoluene	11.921	119	685449	8.910	ppbv	97
70) n-Butylbenzene	12.277	91	723138	9.025	ppbv	98
71) 2-Chlorotoluene	10.895	91	500409	9.211	ppbv	97
72) 4-Ethyltoluene	11.122	105	519236	9.002	ppbv	98
73) 1,3,5-Trimethylbenzene	11.199	105	456404	8.963	ppbv	96
74) 1,2,4-Trimethylbenzene	11.533	105	509154	8.561	ppbv	91
75) 1,3-Dichlorobenzene	11.604	146	267483	8.652	ppbv	98
76) 1,4-Dichlorobenzene	11.669	146	267283	8.602	ppbv	98
77) 1,2-Dichlorobenzene	11.944	146	261316	8.693	ppbv	97
78) Hexachloro-1,3-Butadiene	13.879	225	259140	8.537	ppbv	99
79) Naphthalene	13.510	128	584987	8.225	ppbv	99
80) Naphthalene,2-methyl-	14.455	142	300148	7.405	ppbv	96
81) 1,2,4-Trichlorobenzene	13.436	180	258107	8.452	ppbv	99

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

Quant Time: Apr 22 02:51:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
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QLast Update : Fri Apr 18 02:14:00 2025
Response via : Initial Calibration

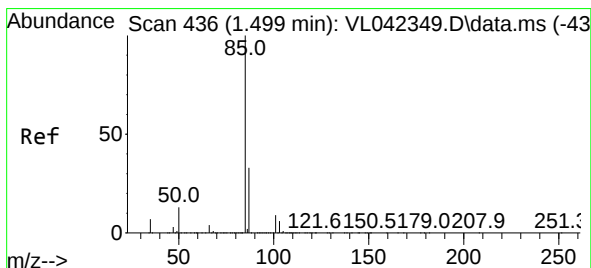
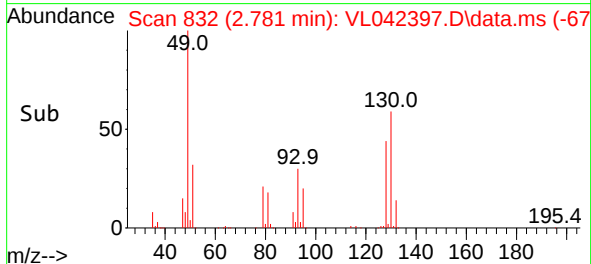
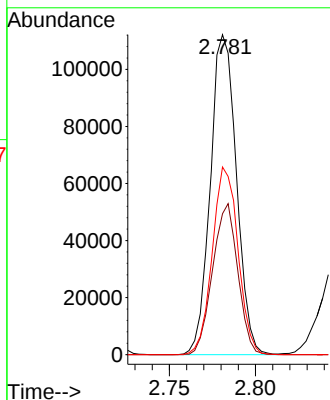
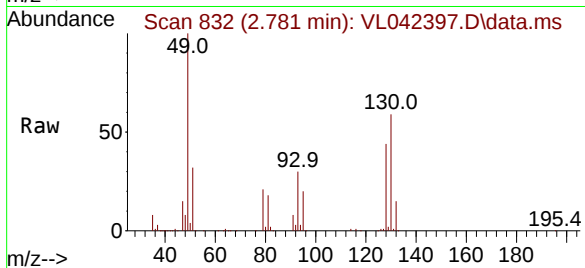




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

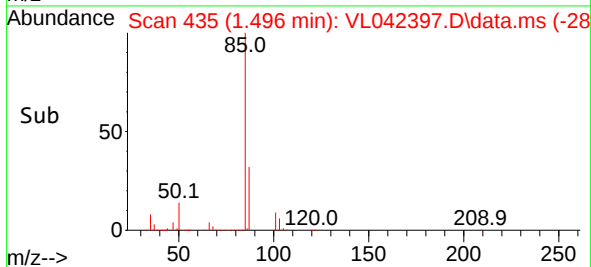
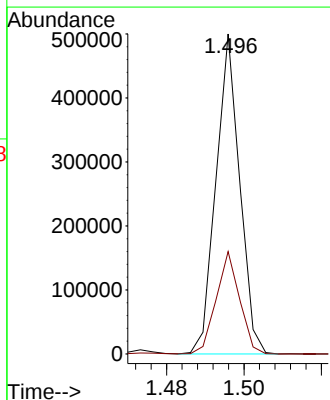
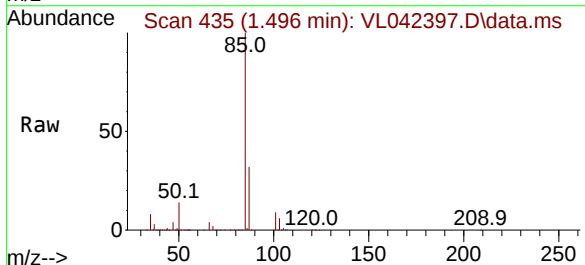
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

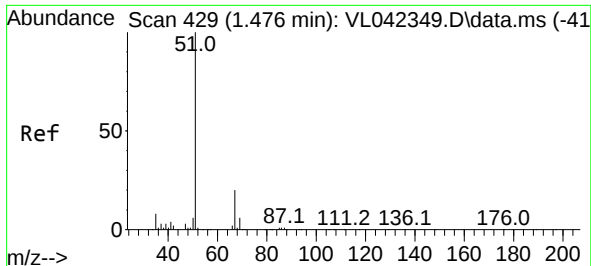
Tgt Ion: 49 Resp: 118401
Ion Ratio Lower Upper
49 100
128 45.6 22.8 68.4
130 57.7 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 10.158 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 85 Resp: 212503
Ion Ratio Lower Upper
85 100
87 32.0 26.6 39.8

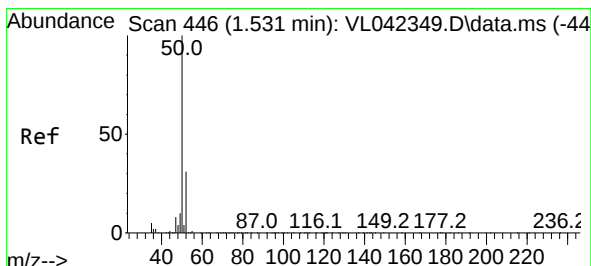
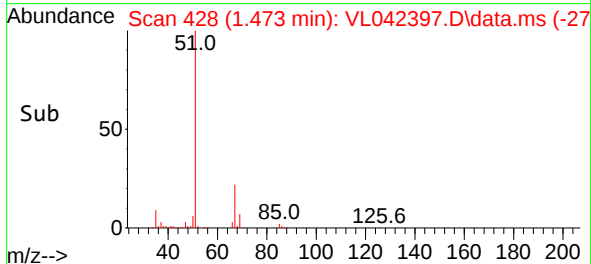
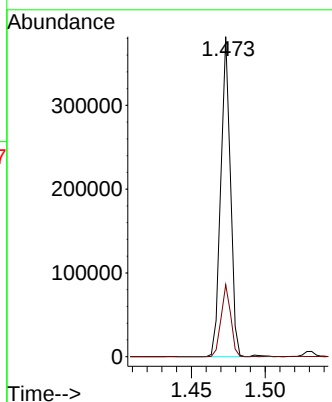
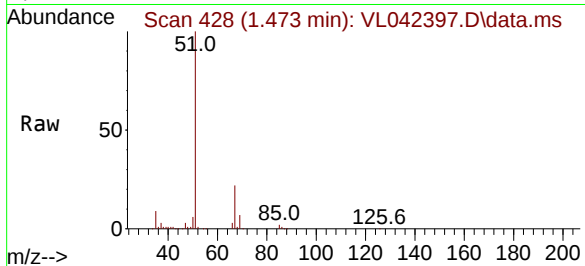




#3
Chlorodifluoromethane
Concen: 8.812 ppbv
RT: 1.473 min Scan# 429
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

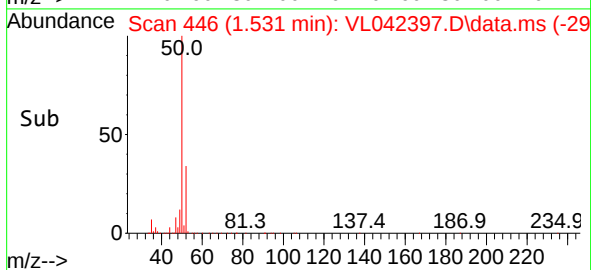
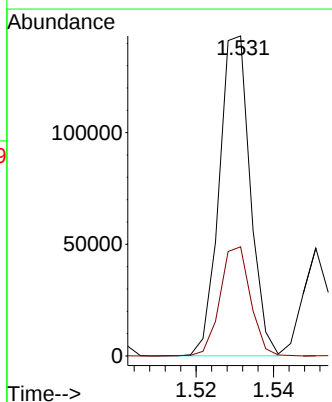
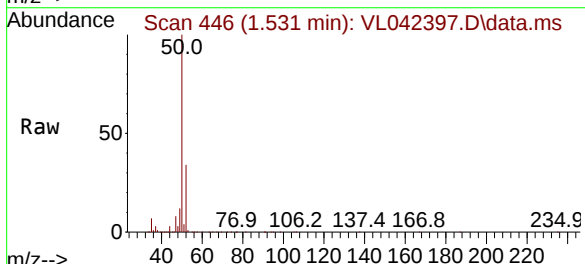
Instrument :
MSVOA_L
ClientSampleId :
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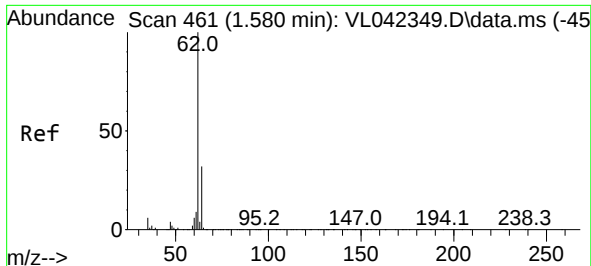
Tgt Ion: 51 Resp: 175535
Ion Ratio Lower Upper
51 100
67 22.5 16.2 24.4



#4
Chloromethane
Concen: 9.638 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 50 Resp: 79791
Ion Ratio Lower Upper
50 100
52 34.0 24.7 37.1

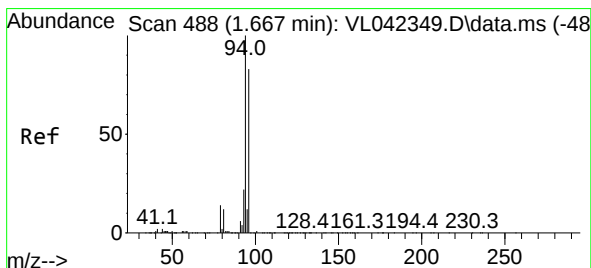
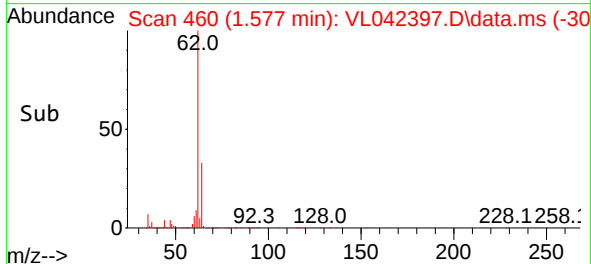
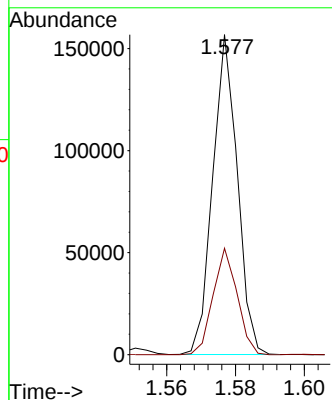
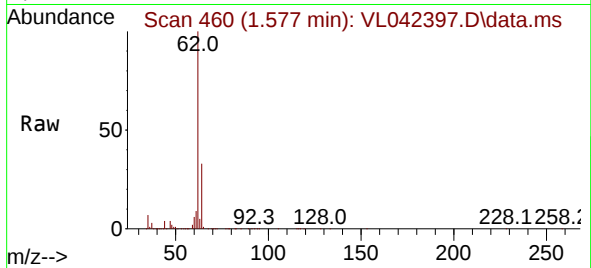




#5
Vinyl Chloride
Concen: 8.645 ppbv
RT: 1.577 min Scan# 460
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

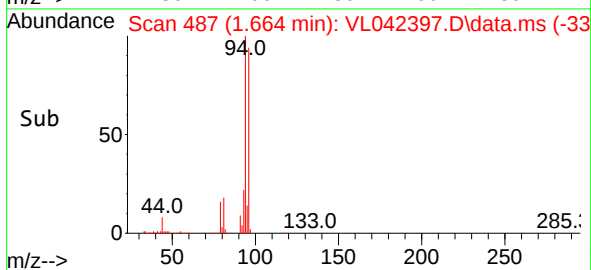
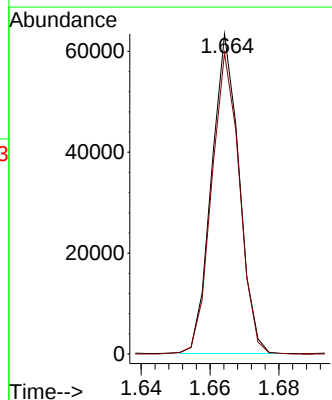
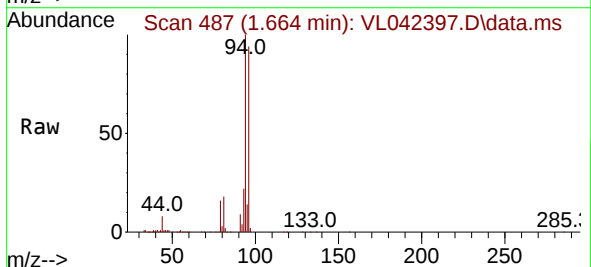
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

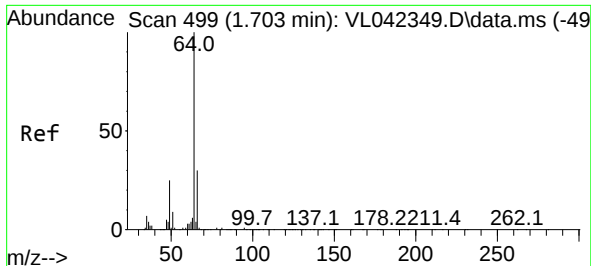
Tgt Ion: 62 Resp: 77905
Ion Ratio Lower Upper
62 100
64 33.3 25.4 38.0



#6
Bromomethane
Concen: 9.064 ppbv
RT: 1.664 min Scan# 487
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 94 Resp: 35087
Ion Ratio Lower Upper
94 100
96 94.0 66.2 99.2

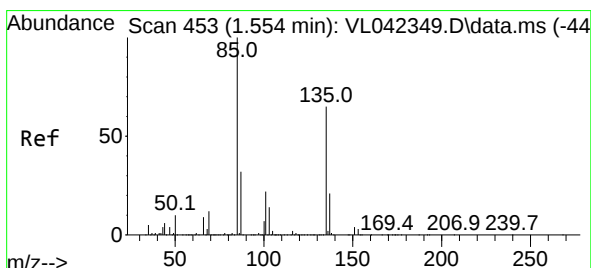
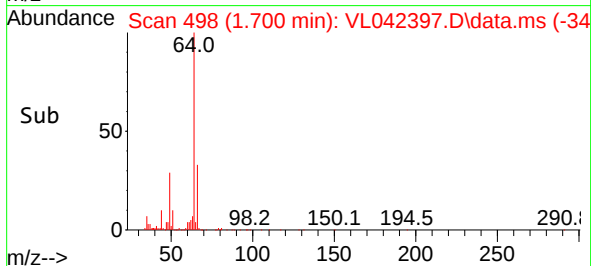
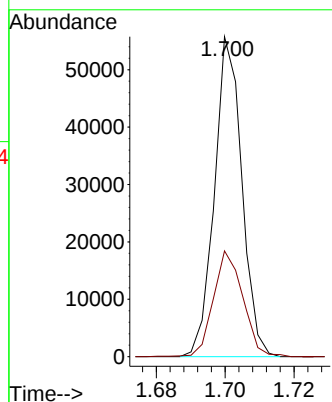
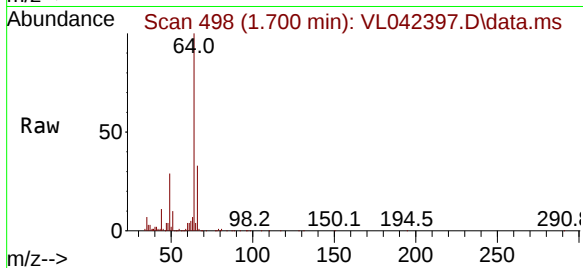




#7
Chloroethane
Concen: 9.455 ppbv
RT: 1.700 min Scan# 499
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

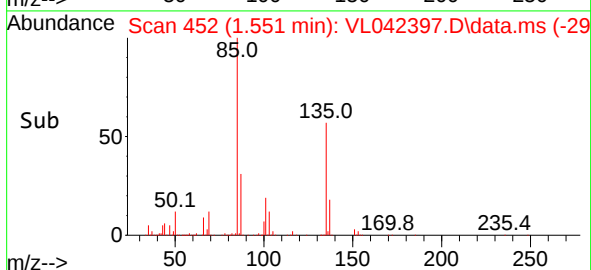
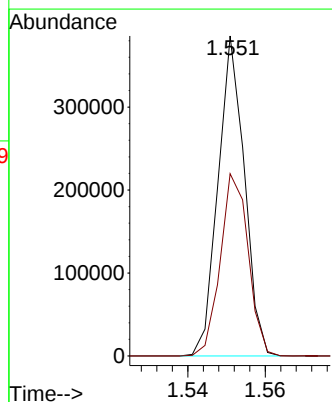
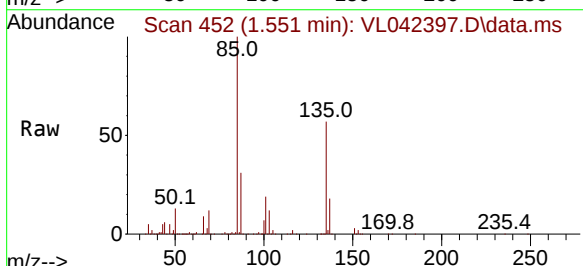
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ClientSampleId :
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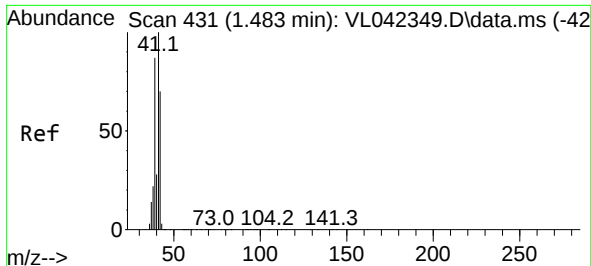
Tgt Ion: 64 Resp: 30814
Ion Ratio Lower Upper
64 100
66 33.0 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 10.147 ppbv
RT: 1.551 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 85 Resp: 182258
Ion Ratio Lower Upper
85 100
135 60.4 52.2 78.2





#9

Propene

Concen: 7.615 ppbv

RT: 1.480 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

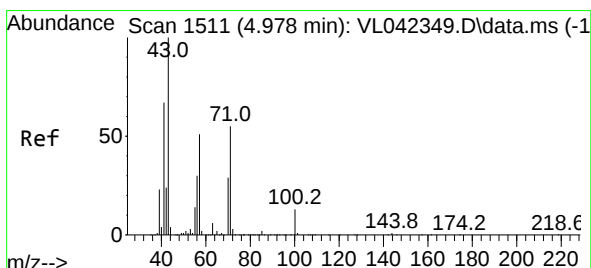
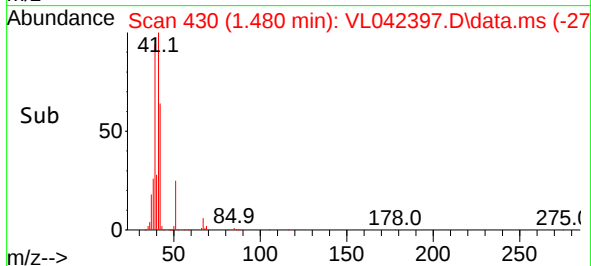
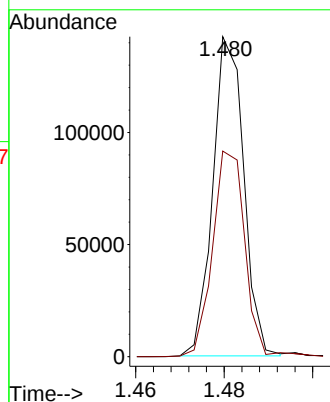
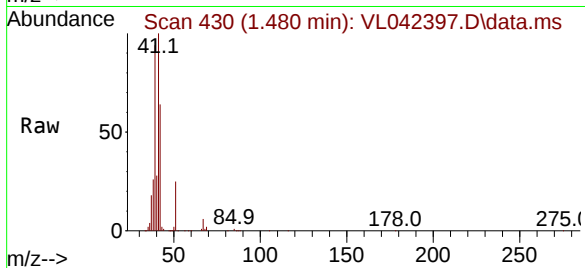
VL0421ABS01

Tgt Ion: 41 Resp: 69080

Ion Ratio Lower Upper

41 100

42 68.1 56.2 84.4



#10

Heptane

Concen: 7.340 ppbv

RT: 4.969 min Scan# 1508

Delta R.T. -0.009 min

Lab File: VL042397.D

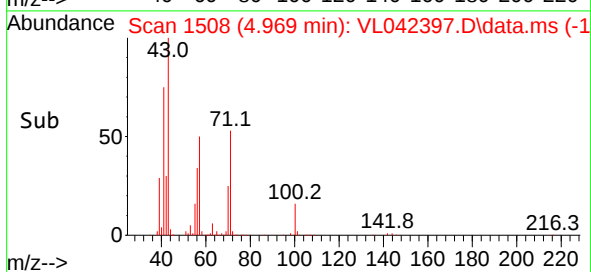
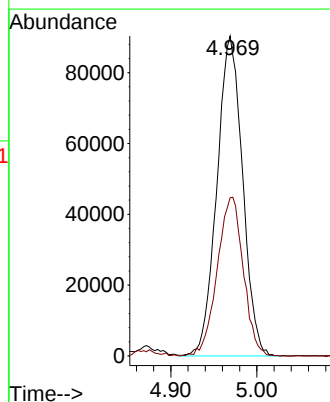
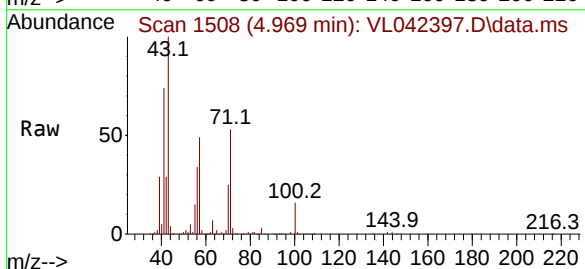
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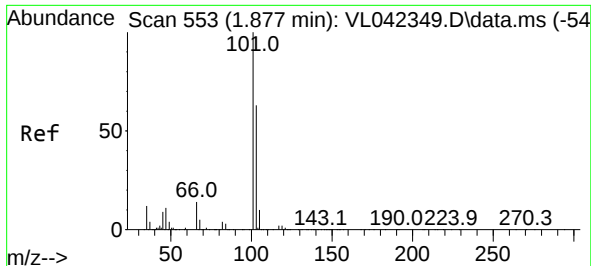
Tgt Ion: 43 Resp: 187072

Ion Ratio Lower Upper

43 100

57 50.5 39.9 59.9

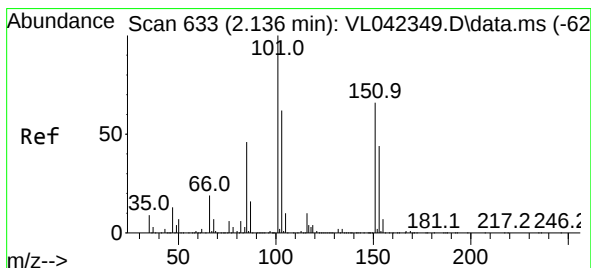
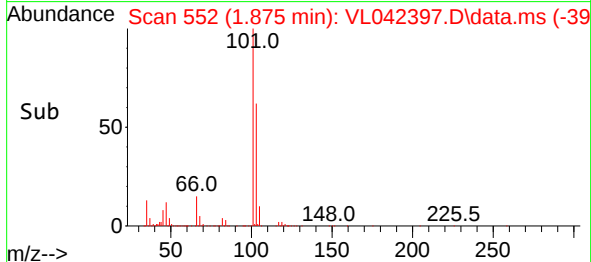
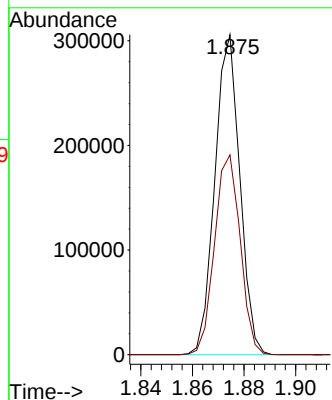
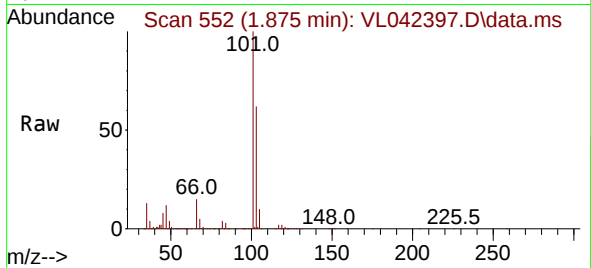




#11
 Trichlorofluoromethane
 Concen: 10.337 ppbv
 RT: 1.875 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

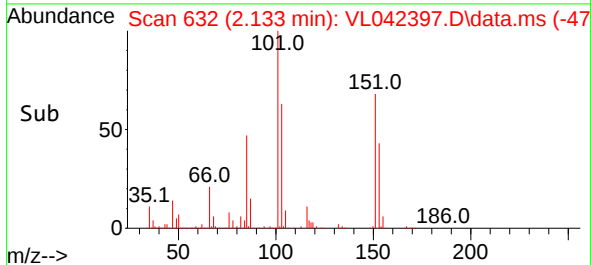
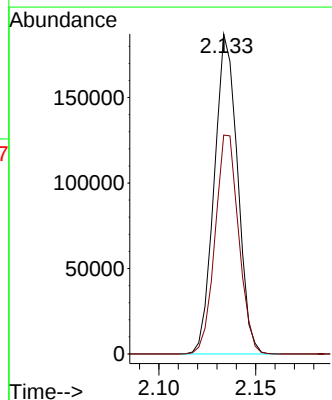
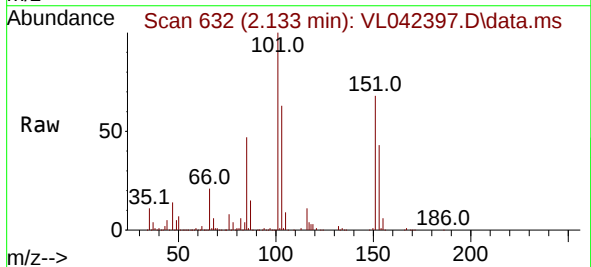
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01

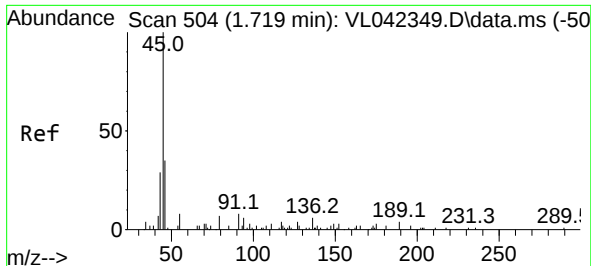
Tgt Ion:101 Resp: 205641
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.613 ppbv
 RT: 2.133 min Scan# 632
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

Tgt Ion:101 Resp: 156363
 Ion Ratio Lower Upper
 101 100
 151 69.6 57.0 85.6

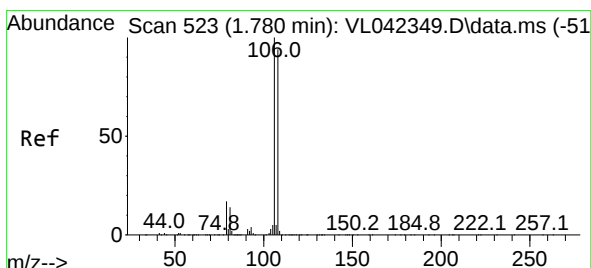
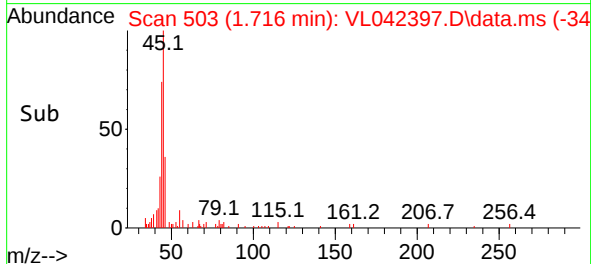
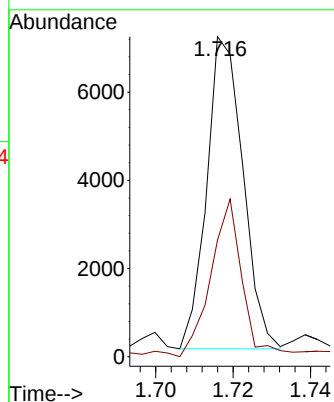
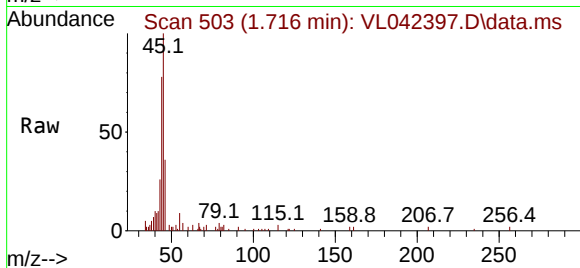




#13
 Ethanol
 Concen: 3.192 ppbv
 RT: 1.716 min Scan# 504
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

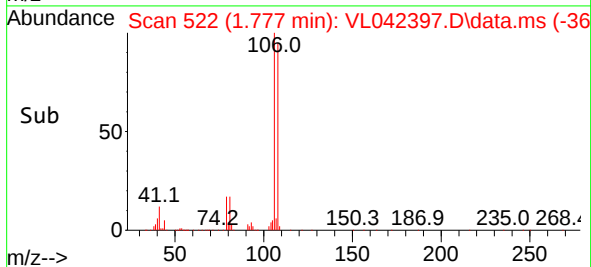
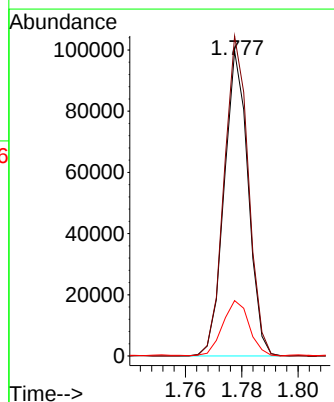
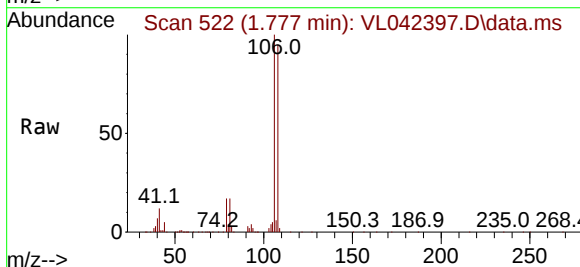
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01

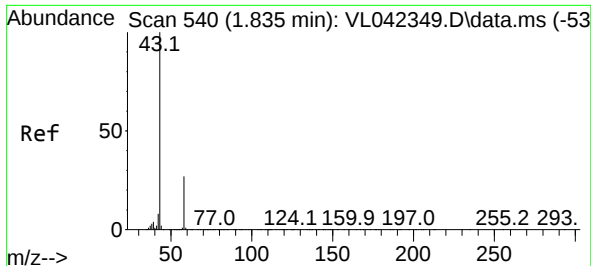
Tgt Ion: 45 Resp: 4602
 Ion Ratio Lower Upper
 45 100
 46 49.1 21.9 87.7



#14
 Bromoethene
 Concen: 9.613 ppbv
 RT: 1.777 min Scan# 522
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

Tgt Ion: 108 Resp: 58938
 Ion Ratio Lower Upper
 108 100
 106 106.1 85.9 128.9
 79 20.4 13.9 20.9

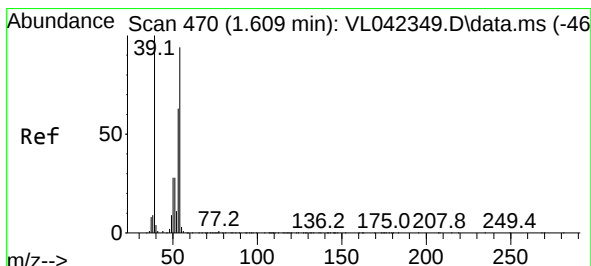
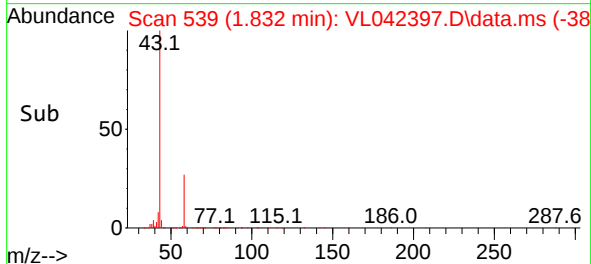
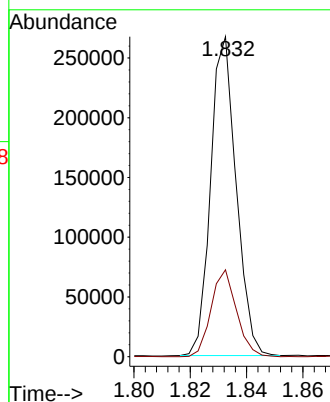
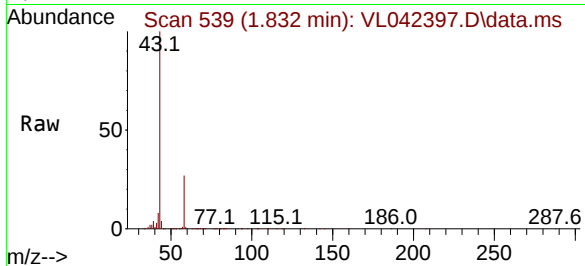




#15
Acetone
Concen: 8.671 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

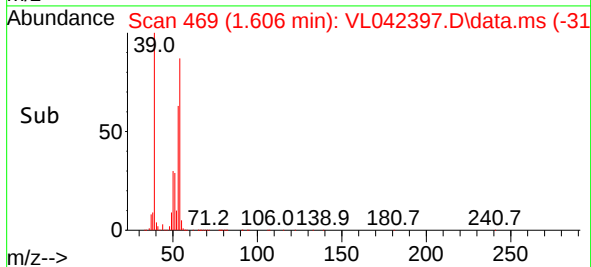
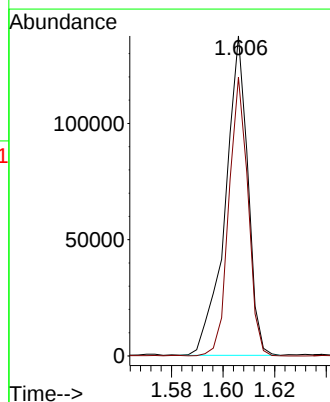
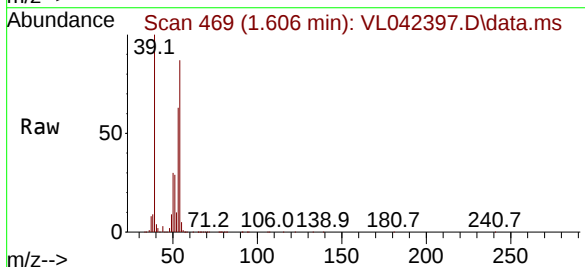
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

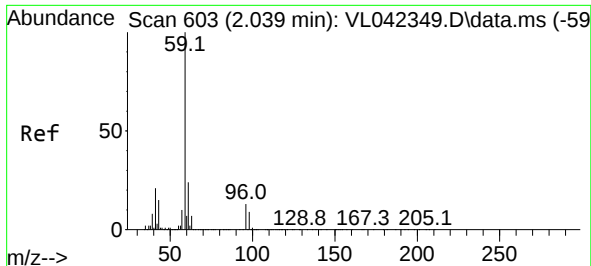
Tgt Ion: 43 Resp: 168065
Ion Ratio Lower Upper
43 100
58 27.2 22.4 33.6



#16
1,3-Butadiene
Concen: 9.015 ppbv
RT: 1.606 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 39 Resp: 83577
Ion Ratio Lower Upper
39 100
54 74.2 64.9 97.3





#17

tert-Butyl alcohol

Concen: 9.011 ppbv

RT: 2.036 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_1

ClientSampleId :

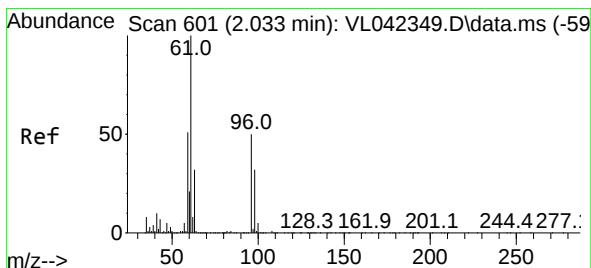
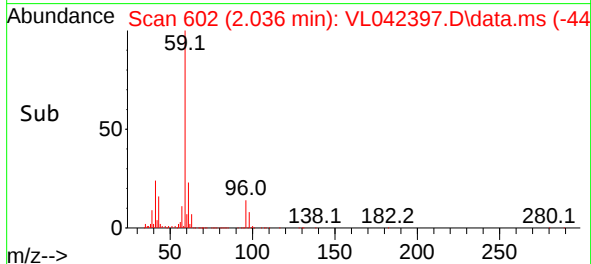
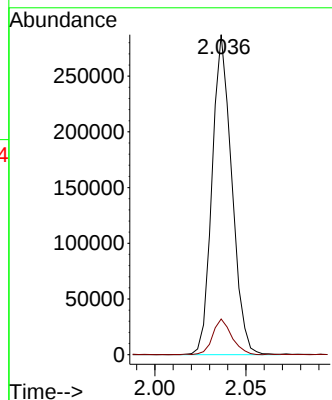
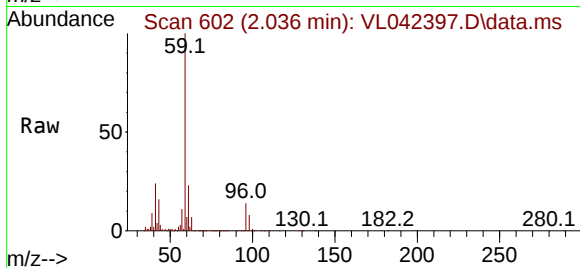
VL0421ABS01

Tgt Ion: 59 Resp: 216440

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.356 ppbv

RT: 2.030 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

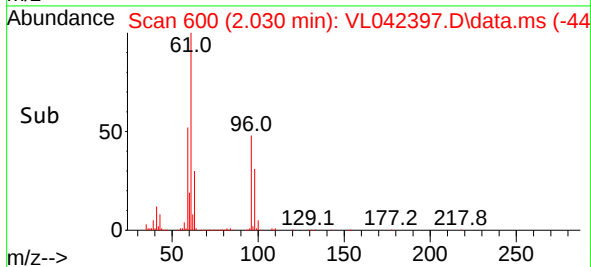
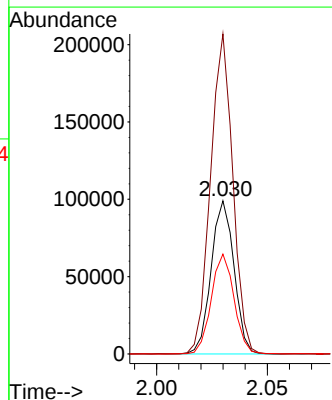
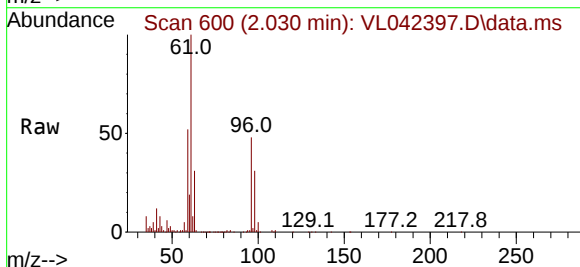
Tgt Ion: 96 Resp: 71097

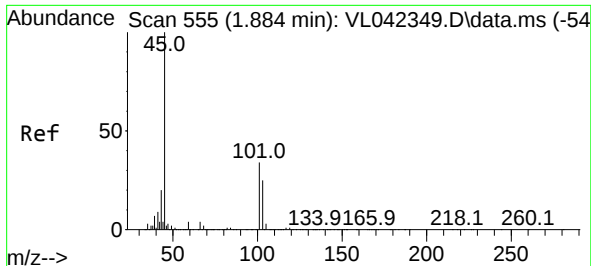
Ion Ratio Lower Upper

96 100

61 208.9 160.2 240.2

98 65.1 51.0 76.4

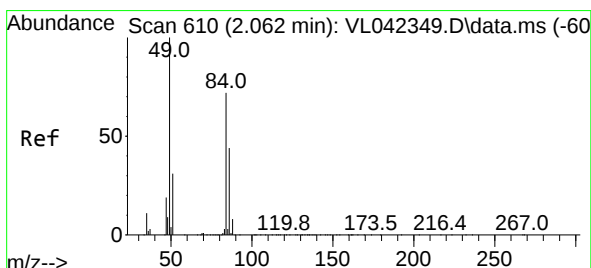
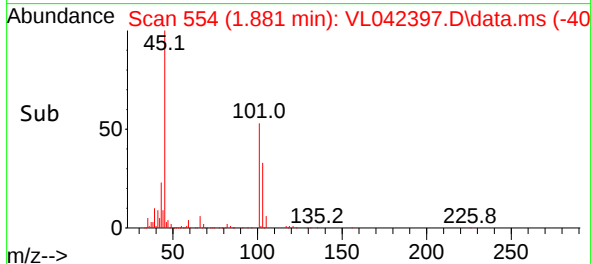
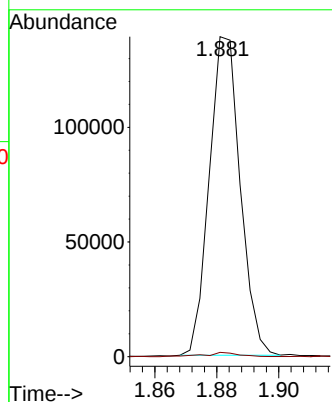
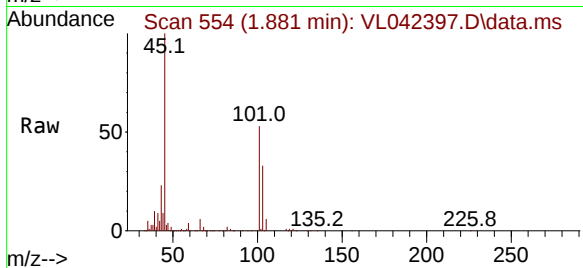




#19
Isopropyl Alcohol
Concen: 8.956 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

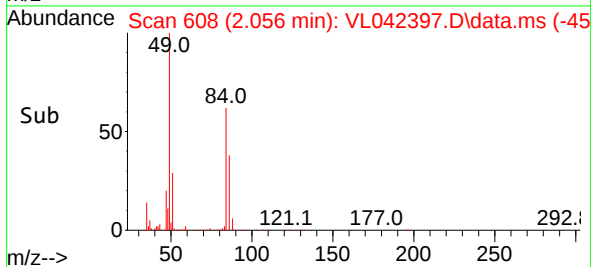
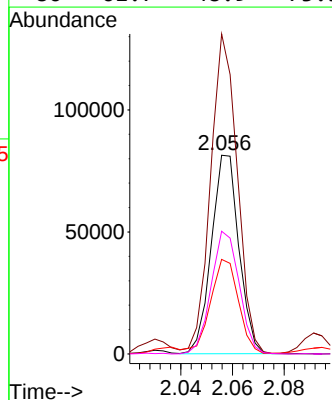
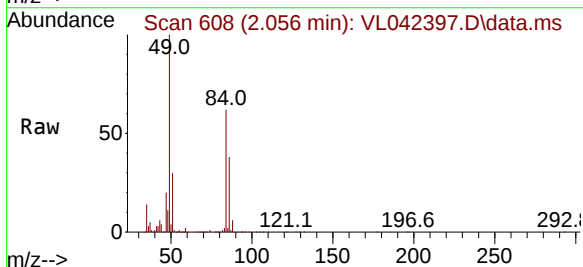
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

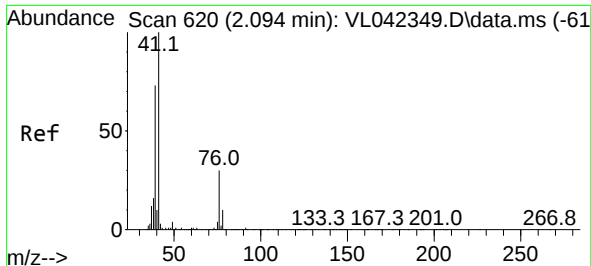
Tgt Ion: 45 Resp: 96437
Ion Ratio Lower Upper
45 100
58 47.3 34.5 51.7



#20
Methylene Chloride
Concen: 7.959 ppbv
RT: 2.056 min Scan# 608
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 84 Resp: 60417
Ion Ratio Lower Upper
84 100
49 160.9 111.6 167.4
51 47.1 35.1 52.7
86 61.7 48.9 73.3





#21

Allyl Chloride

Concen: 9.140 ppbv

RT: 2.091 min Scan# 61

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

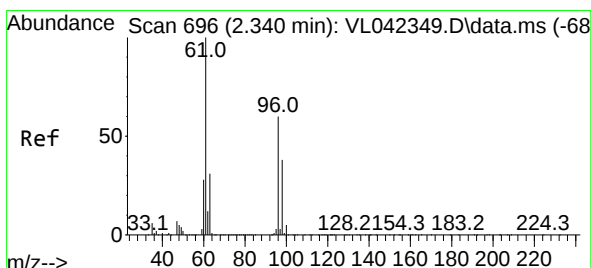
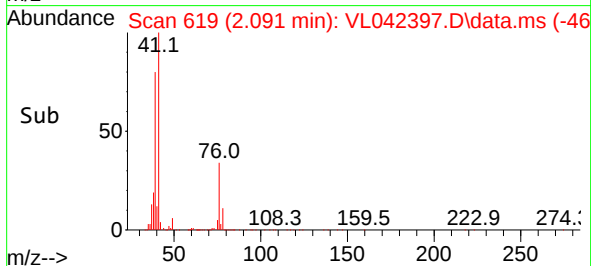
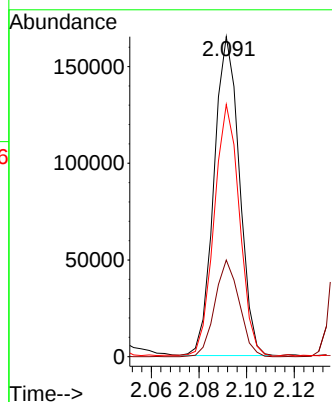
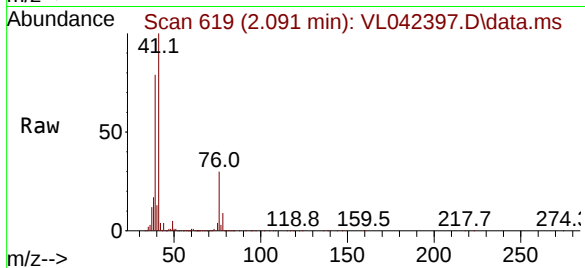
Tgt Ion: 41 Resp: 122313

Ion Ratio Lower Upper

41 100

76 29.0 24.8 37.2

39 78.3 60.6 90.8



#22

trans-1,2-Dichloroethene

Concen: 9.128 ppbv

RT: 2.334 min Scan# 694

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

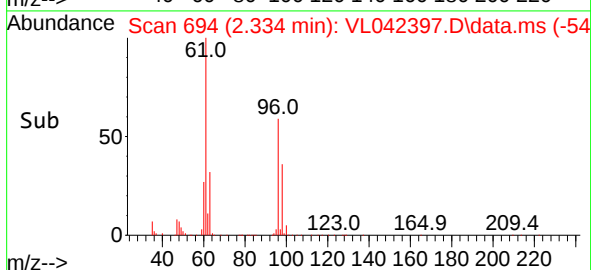
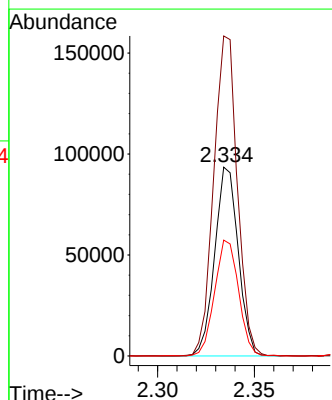
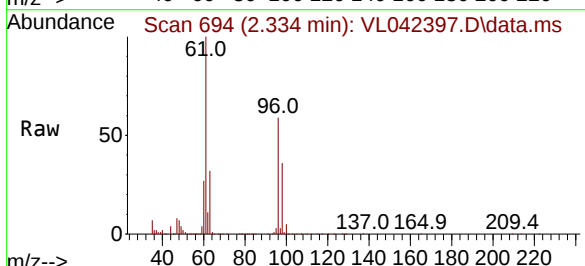
Tgt Ion: 96 Resp: 78976

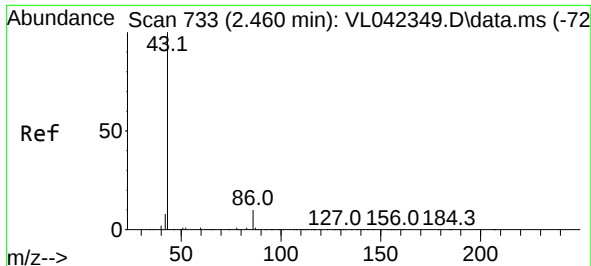
Ion Ratio Lower Upper

96 100

61 169.5 133.7 200.5

98 61.3 50.3 75.5

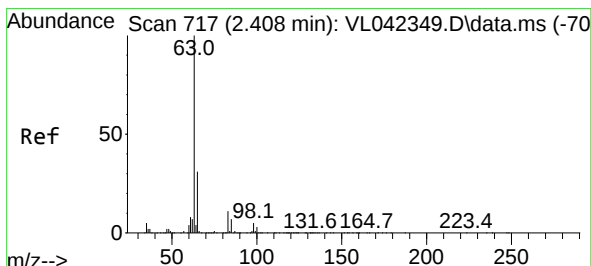
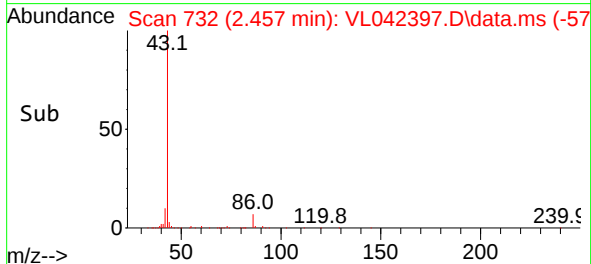
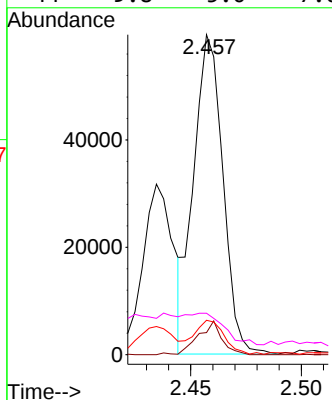
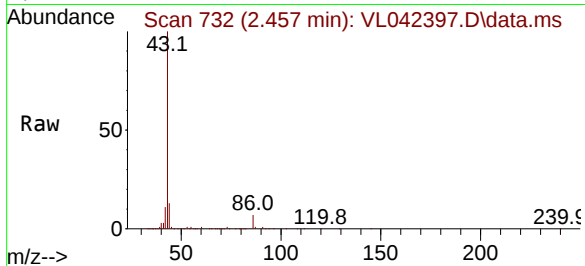




#23
 Vinyl Acetate
 Concen: 6.961 ppbv
 RT: 2.457 min Scan# 715
 Delta R.T. -0.003 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

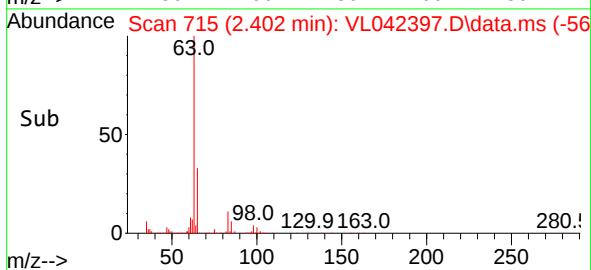
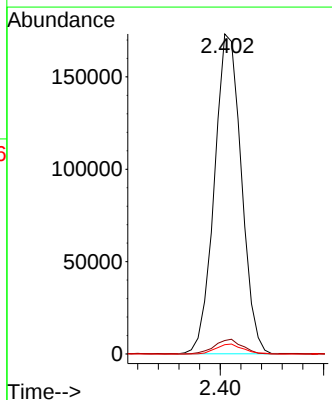
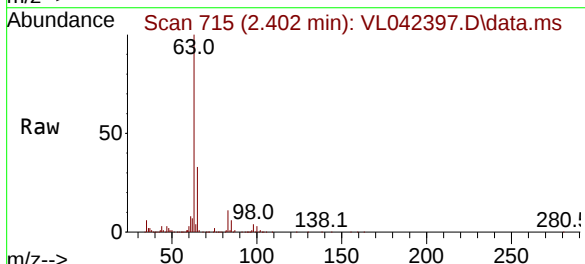
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01

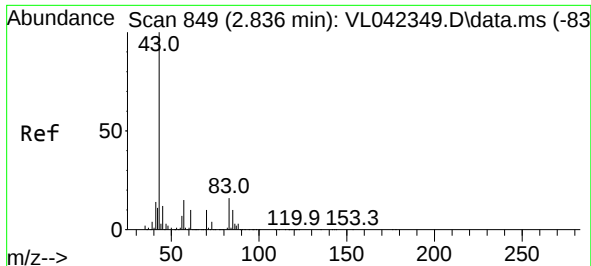
Tgt Ion:	43	Resp:	54610
Ion	Ratio	Lower	Upper
43	100		
86	6.9	6.5	9.7
42	10.2	7.8	11.8
44	9.8	5.0	7.6



#24
 1,1-Dichloroethane
 Concen: 9.559 ppbv
 RT: 2.402 min Scan# 715
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

Tgt Ion:	63	Resp:	157093
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	2.9	1.6	4.8





#25

Ethyl Acetate

Concen: 8.228 ppbv

RT: 2.829 min Scan# 84

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

Tgt Ion: 43 Resp: 393203

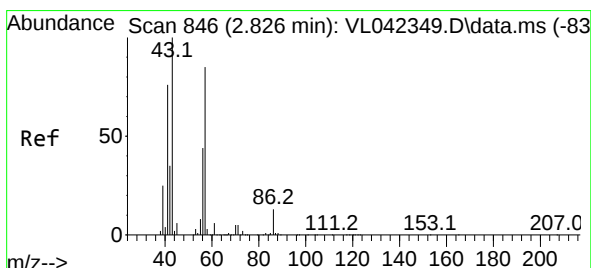
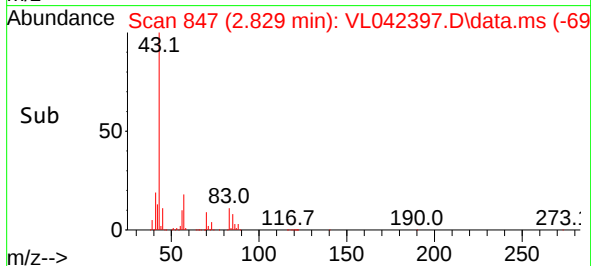
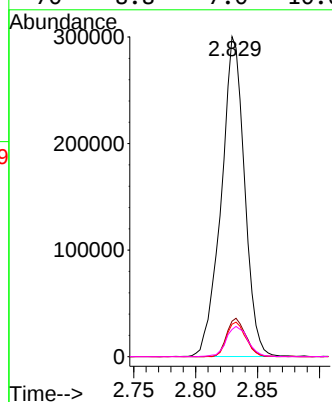
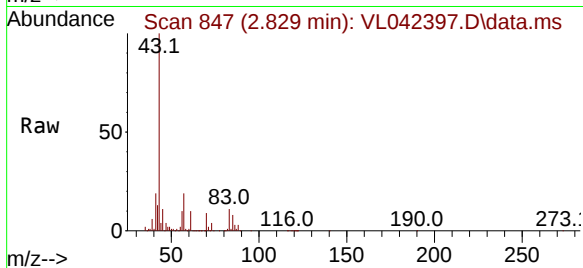
Ion Ratio Lower Upper

43 100

45 9.9 8.3 12.5

61 9.0 7.3 10.9

70 8.8 7.0 10.6



#26

Hexane

Concen: 7.813 ppbv

RT: 2.820 min Scan# 844

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Tgt Ion: 57 Resp: 151103

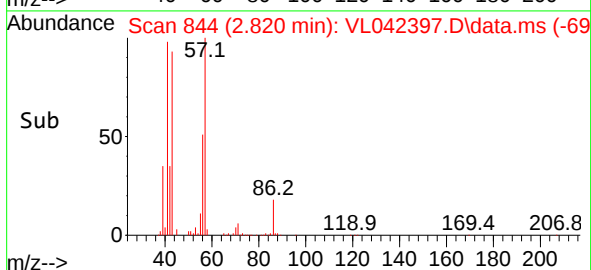
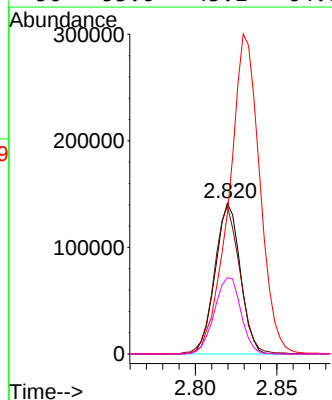
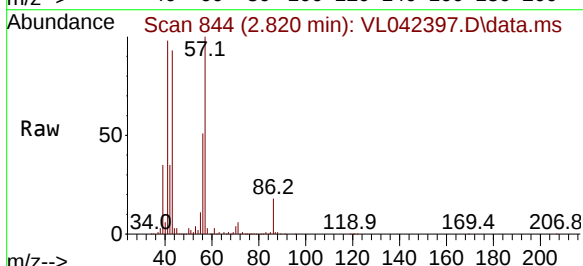
Ion Ratio Lower Upper

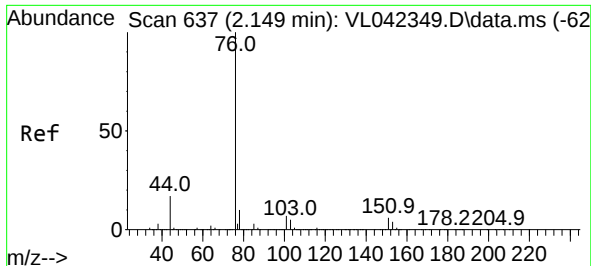
57 100

41 101.1 77.9 116.9

43 261.5 208.4 312.6

56 53.6 43.1 64.7

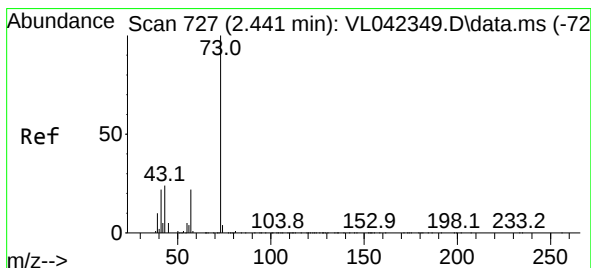
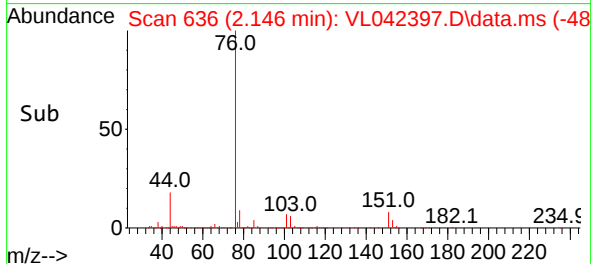
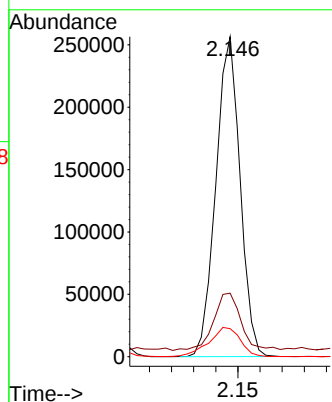
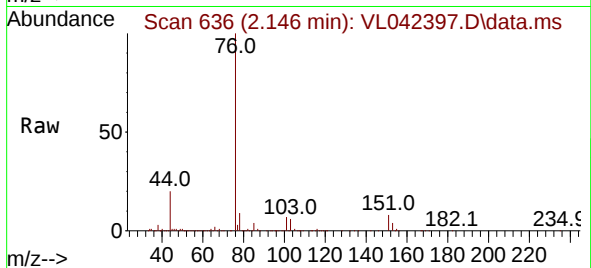




#27
Carbon Disulfide
Concen: 9.404 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

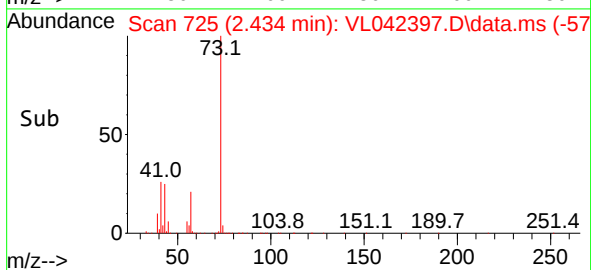
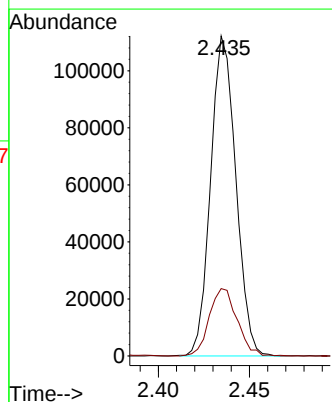
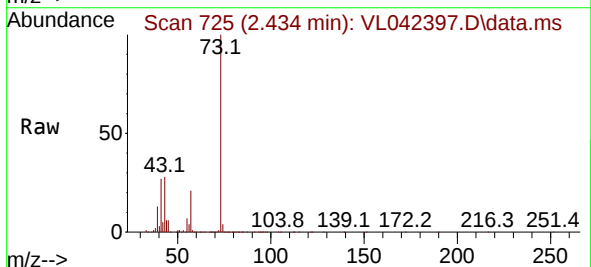
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

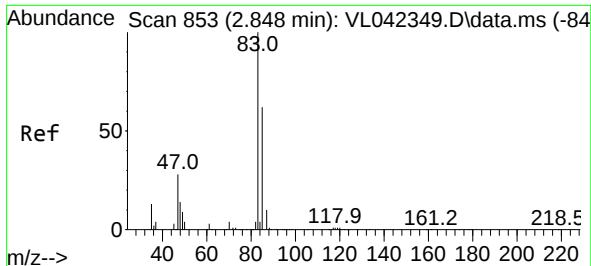
Tgt Ion: 76 Resp: 194719
Ion Ratio Lower Upper
76 100
44 20.5 15.5 23.3
78 11.9 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 8.524 ppbv
RT: 2.434 min Scan# 725
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 73 Resp: 108007
Ion Ratio Lower Upper
73 100
57 23.2 21.3 31.9





#29

Chloroform

Concen: 9.608 ppbv

RT: 2.842 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

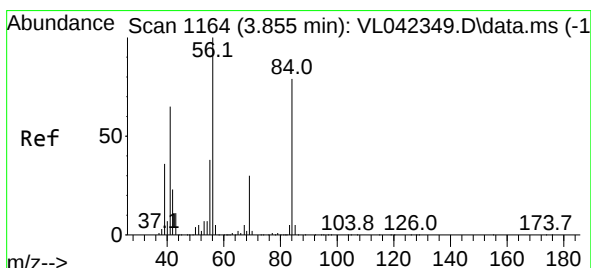
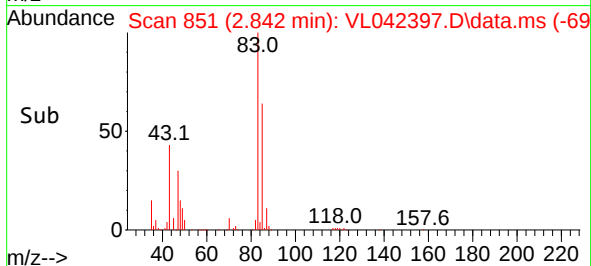
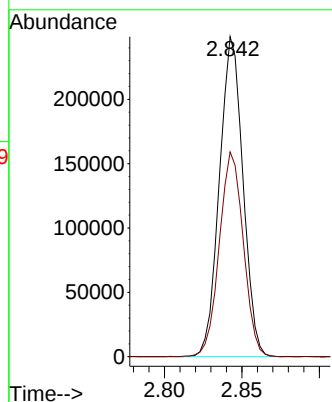
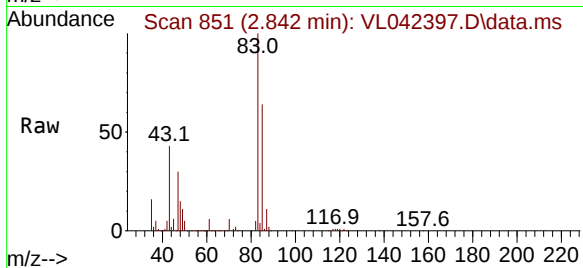
VL0421ABS01

Tgt Ion: 83 Resp: 262639

Ion Ratio Lower Upper

83 100

85 64.0 50.0 75.0



#30

Cyclohexane

Concen: 8.517 ppbv

RT: 3.846 min Scan# 1161

Delta R.T. -0.009 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

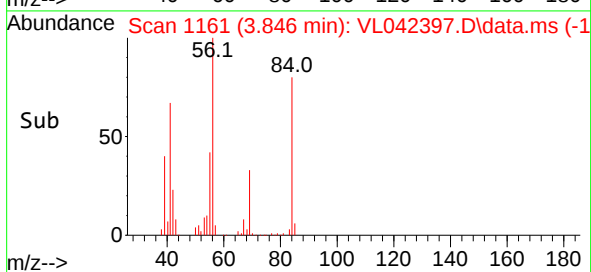
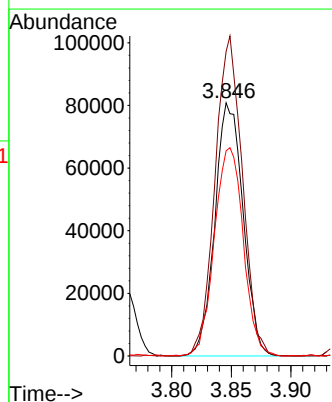
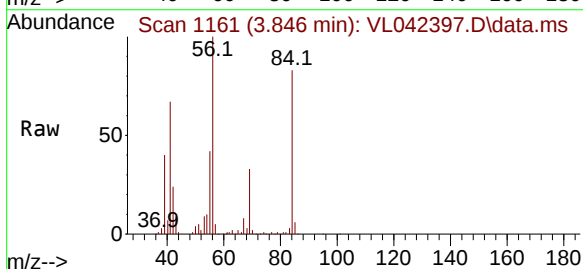
Tgt Ion: 84 Resp: 133153

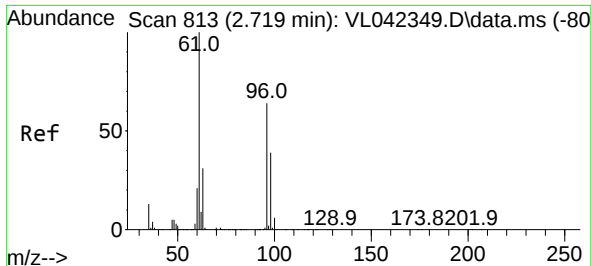
Ion Ratio Lower Upper

84 100

56 122.3 101.0 151.4

41 84.5 67.4 101.0

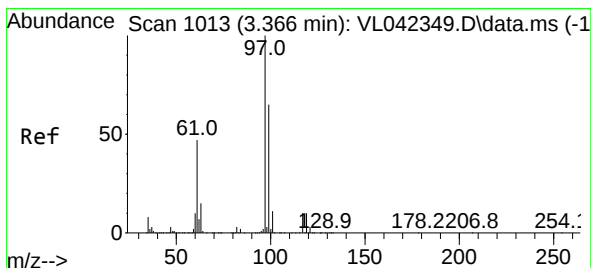
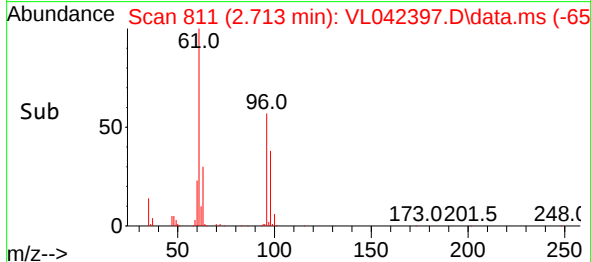
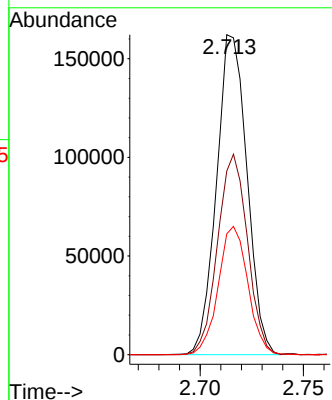
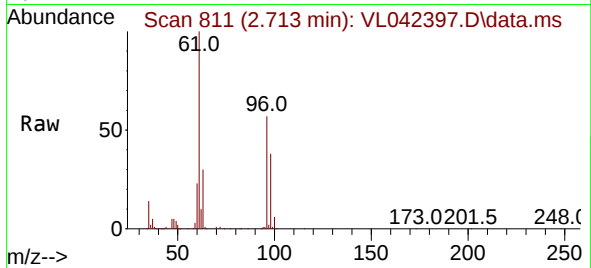




#31
 cis-1,2-Dichloroethene
 Concen: 9.052 ppbv
 RT: 2.713 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

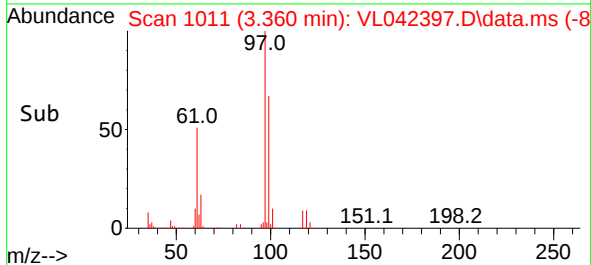
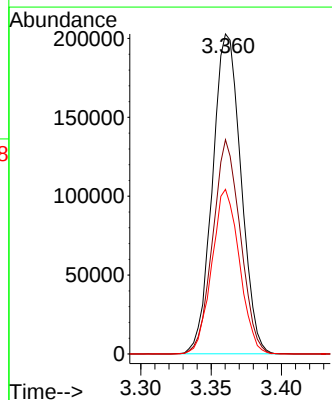
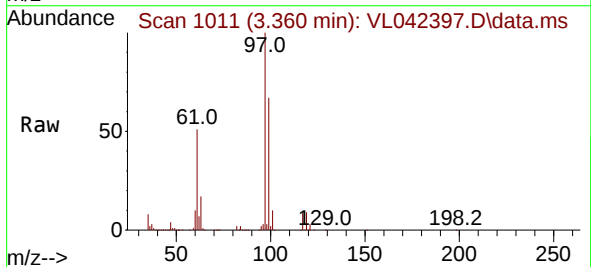
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0421ABS01

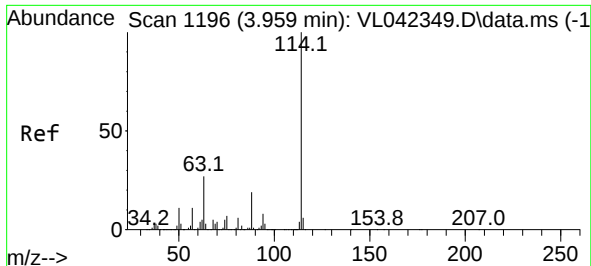
Tgt Ion: 61 Resp: 166447
 Ion Ratio Lower Upper
 61 100
 96 57.3 50.8 76.2
 98 37.7 30.9 46.3



#32
 1,1,1-Trichloroethane
 Concen: 9.266 ppbv
 RT: 3.360 min Scan# 1011
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

Tgt Ion: 97 Resp: 285156
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.0 76.4
 61 50.0 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.009 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_1

ClientSampleId :

VL0421ABS01

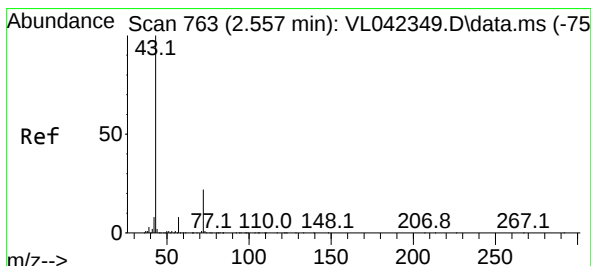
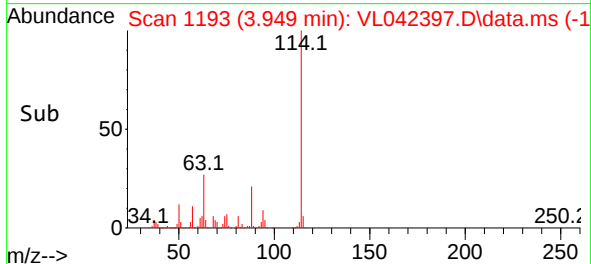
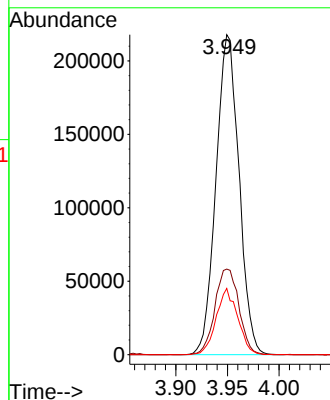
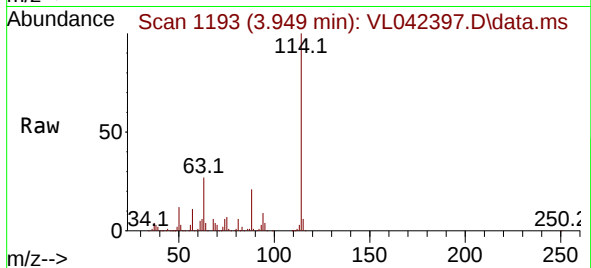
Tgt Ion:114 Resp: 337921

Ion Ratio Lower Upper

114 100

63 27.9 21.8 32.6

88 19.4 15.5 23.3



#34

2-Butanone

Concen: 8.268 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.003 min

Lab File: VL042397.D

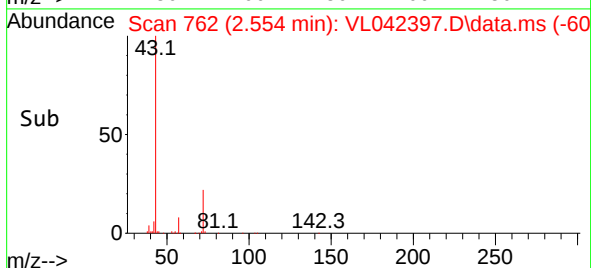
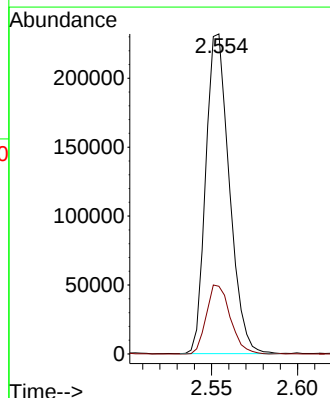
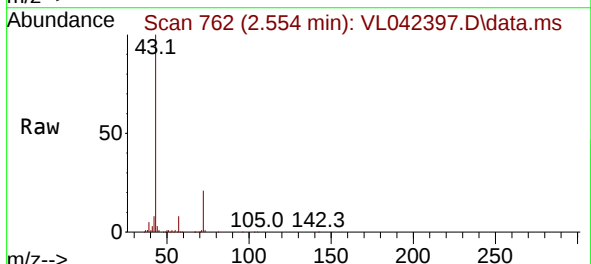
Acq: 21 Apr 2025 10:14

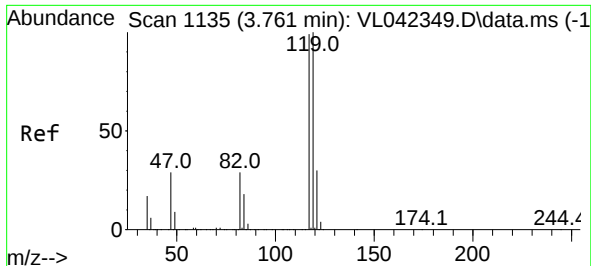
Tgt Ion: 43 Resp: 220966

Ion Ratio Lower Upper

43 100

72 22.0 18.2 27.2

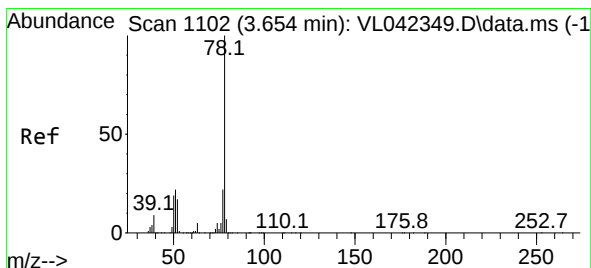
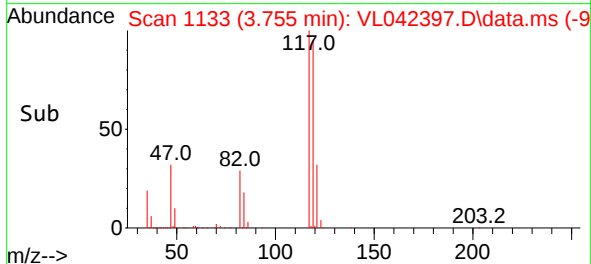
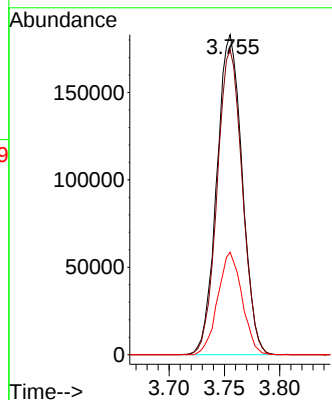
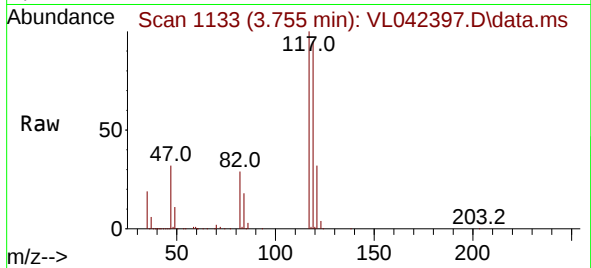




#35
Carbon Tetrachloride
Concen: 9.546 ppbv
RT: 3.755 min Scan# 1135
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

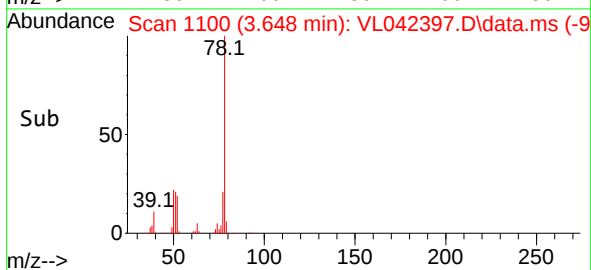
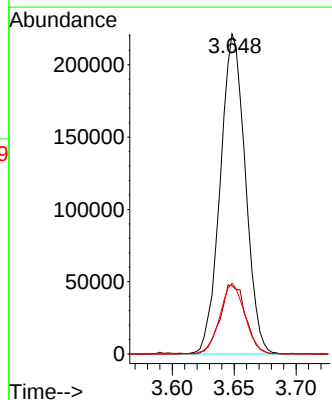
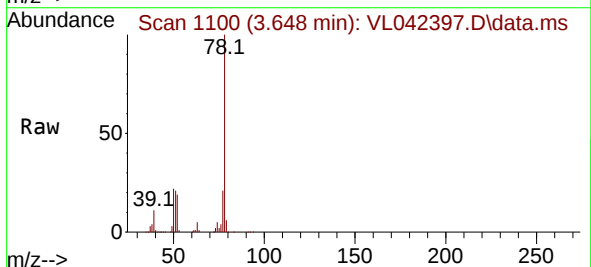
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

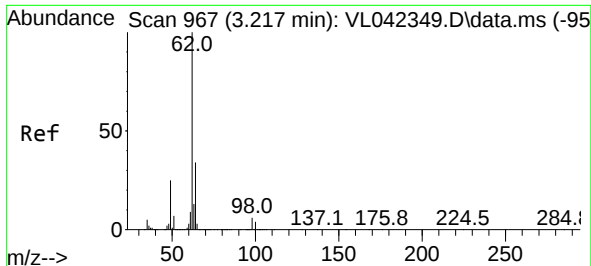
Tgt Ion:117 Resp: 291941
Ion Ratio Lower Upper
117 100
119 95.3 80.5 120.7
121 32.0 24.2 36.2



#36
Benzene
Concen: 8.568 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 78 Resp: 312290
Ion Ratio Lower Upper
78 100
77 21.2 17.4 26.0
50 22.0 15.5 23.3

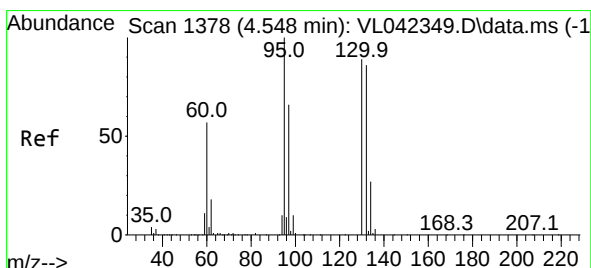
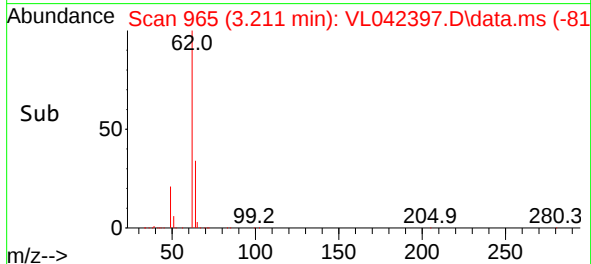
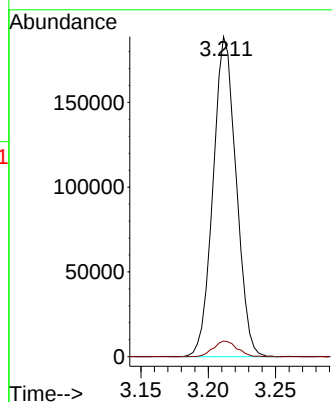
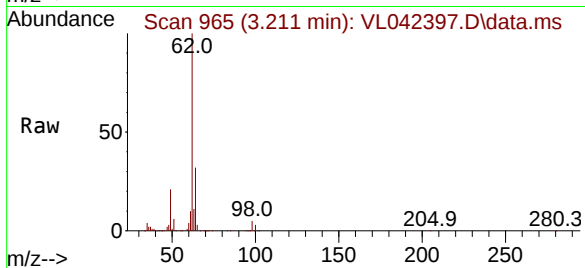




#37
1,2-Dichloroethane
Concen: 10.301 ppbv
RT: 3.211 min Scan# 9
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

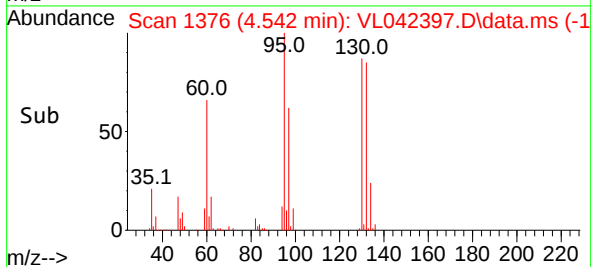
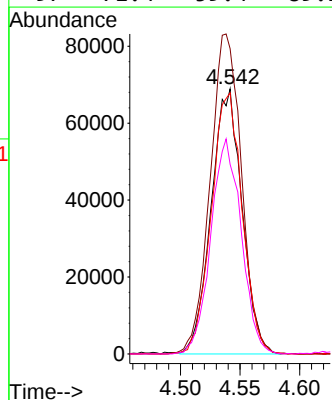
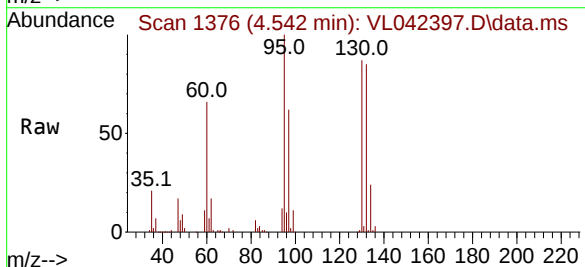
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

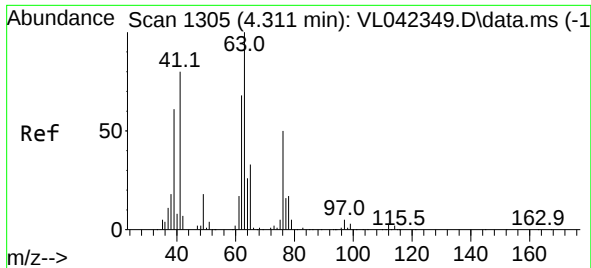
Tgt Ion: 62 Resp: 225346
Ion Ratio Lower Upper
62 100
98 5.0 5.1 7.7#



#38
Trichloroethene
Concen: 7.783 ppbv
RT: 4.542 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion:130 Resp: 123977
Ion Ratio Lower Upper
130 100
95 114.9 89.8 134.6
132 98.2 77.7 116.5
97 71.4 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.250 ppbv

RT: 4.305 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

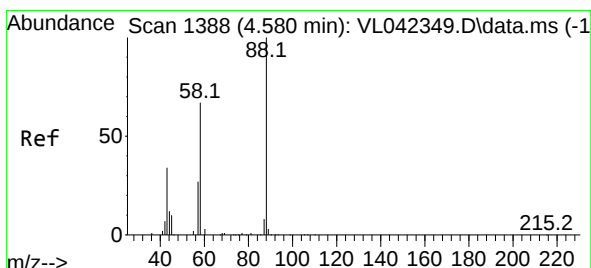
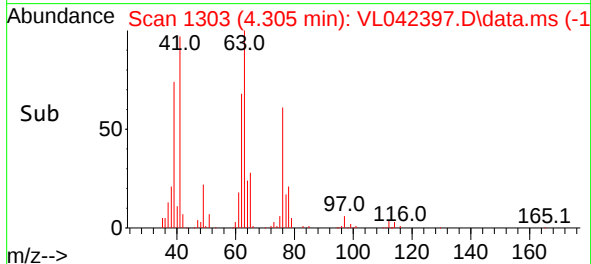
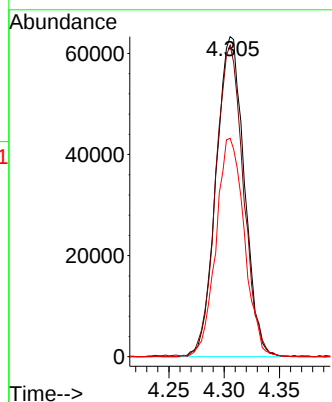
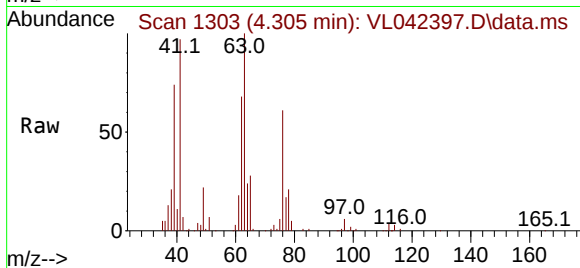
Tgt Ion: 63 Resp: 112058

Ion Ratio Lower Upper

63 100

41 97.0 64.2 96.2#

62 68.0 54.3 81.5



#40

1,4-Dioxane

Concen: 7.437 ppbv

RT: 4.571 min Scan# 1385

Delta R.T. -0.009 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Tgt Ion: 88 Resp: 55511

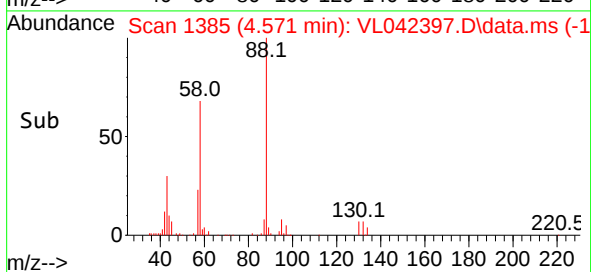
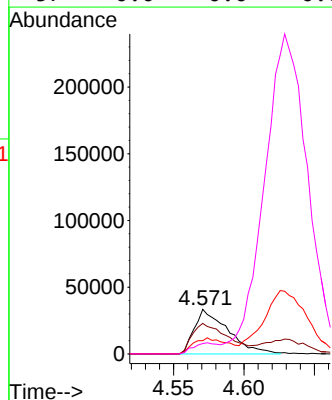
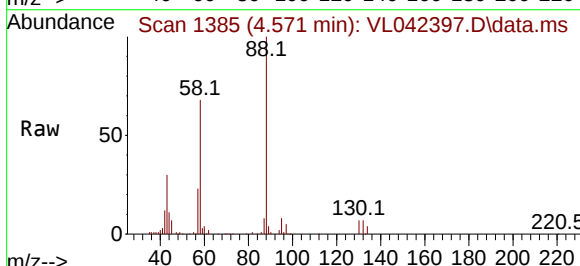
Ion Ratio Lower Upper

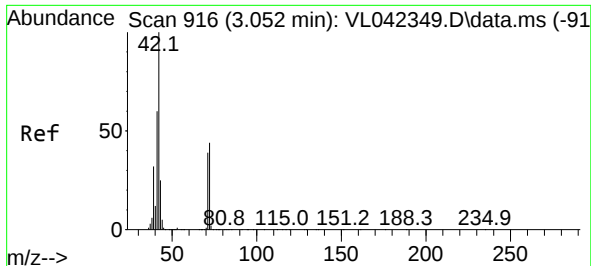
88 100

58 71.6 61.4 92.0

43 35.1 23.2 34.8#

57 0.0 0.0 0.0

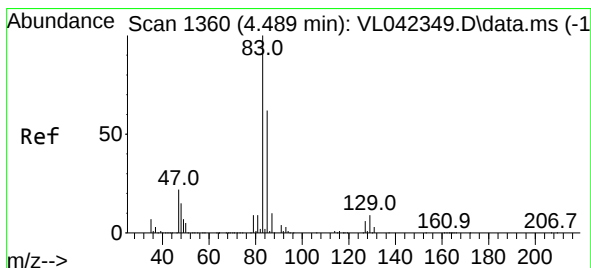
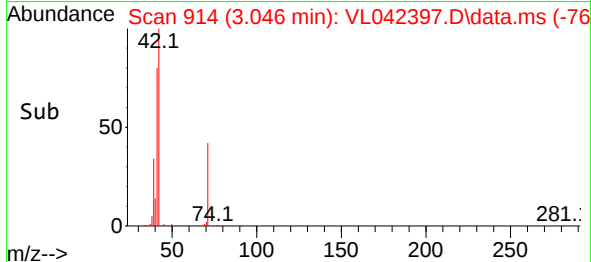
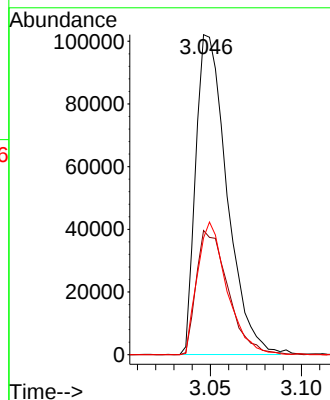
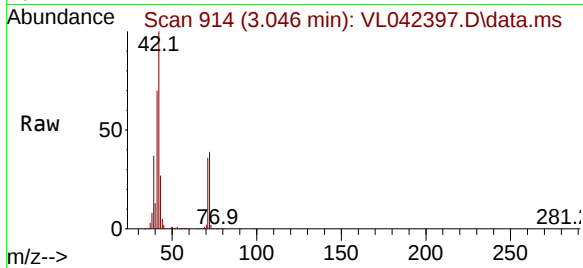




#41
Tetrahydrofuran
Concen: 7.797 ppbv
RT: 3.046 min Scan# 916
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

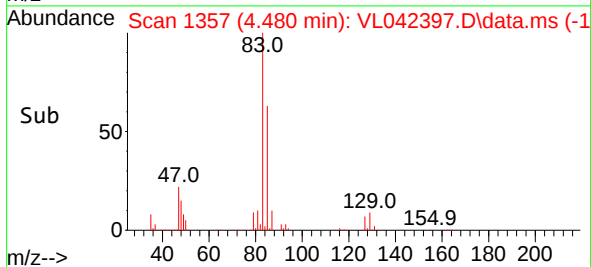
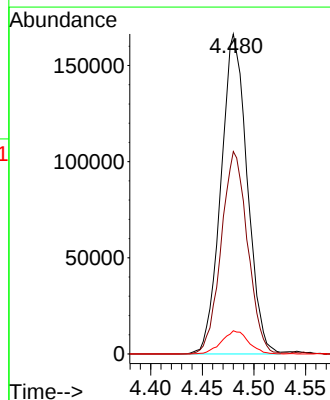
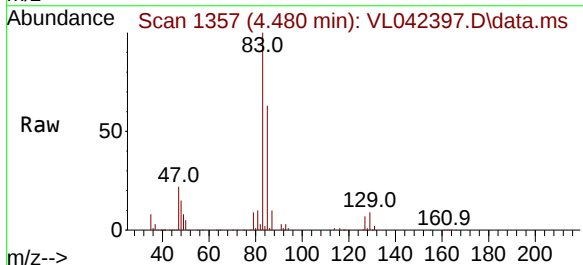
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

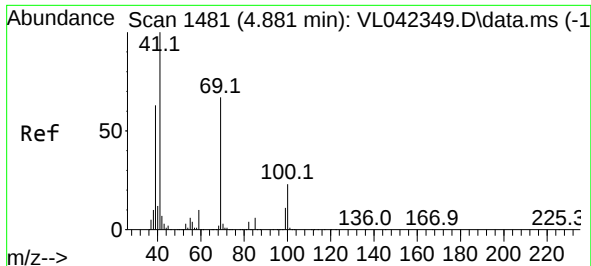
Tgt Ion:	42	Resp:	121497
Ion	Ratio	Lower	Upper
42	100		
72	39.6	32.3	48.5
71	39.7	31.4	47.2



#42
Bromodichloromethane
Concen: 9.661 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.009 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion:	83	Resp:	294127
Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.7	74.5
127	7.3	5.1	7.7

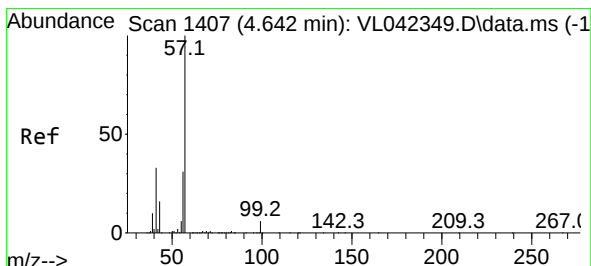
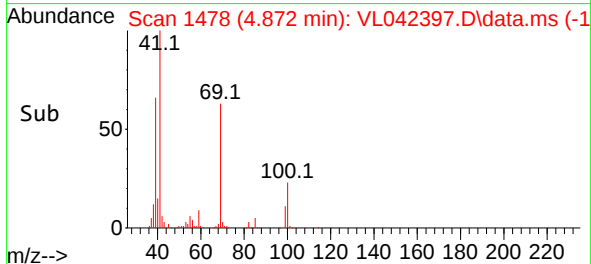
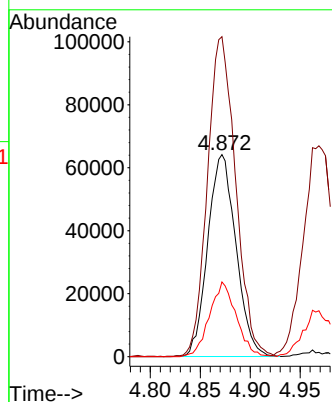
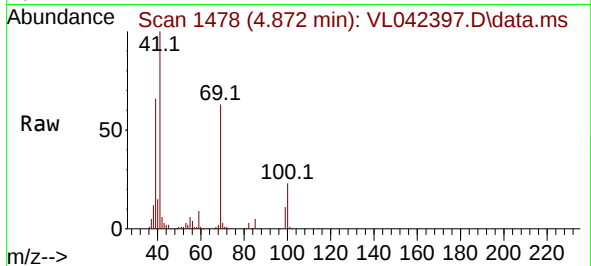




#43
Methyl Methacrylate
Concen: 7.657 ppbv
RT: 4.872 min Scan# 1478
Delta R.T. -0.009 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

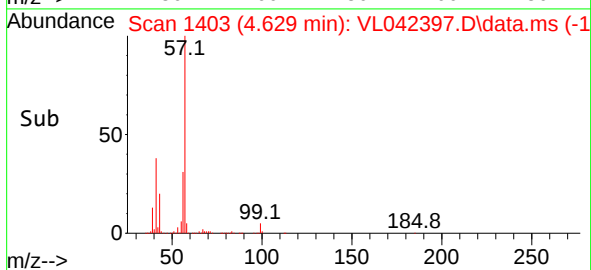
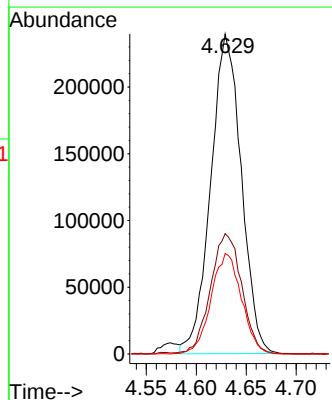
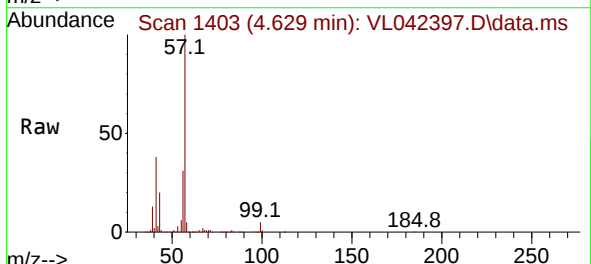
Instrument :
MSVOA_1
ClientSampleId :
VL0421ABS01

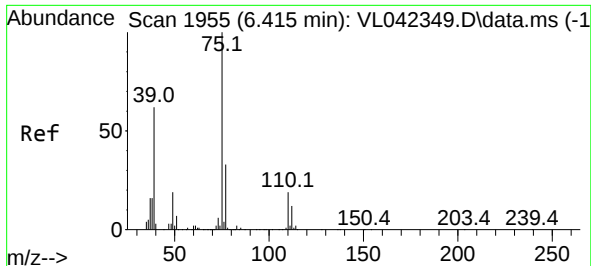
Tgt Ion: 69 Resp: 125779
Ion Ratio Lower Upper
69 100
41 158.7 118.6 177.8
100 35.2 28.2 42.2



#44
2,2,4-Trimethylpentane
Concen: 8.085 ppbv
RT: 4.629 min Scan# 1403
Delta R.T. -0.013 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 57 Resp: 508984
Ion Ratio Lower Upper
57 100
41 38.8 27.2 40.8
56 31.3 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 8.469 ppbv

RT: 6.399 min Scan# 1955

Delta R.T. -0.016 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

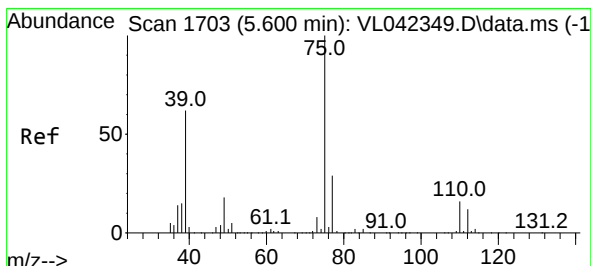
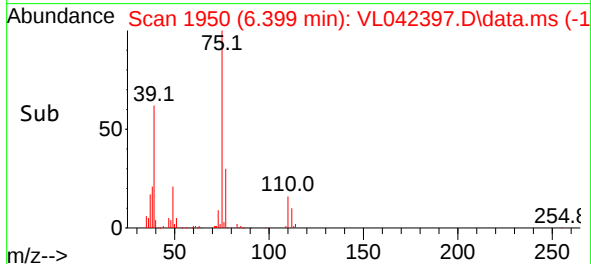
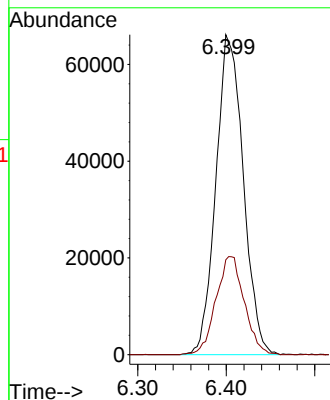
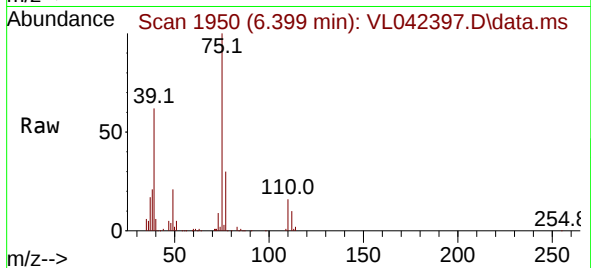
VL0421ABS01

Tgt Ion: 75 Resp: 142114

Ion Ratio Lower Upper

75 100

77 29.7 27.0 40.6



#46

cis-1,3-Dichloropropene

Concen: 8.348 ppbv

RT: 5.590 min Scan# 1700

Delta R.T. -0.009 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

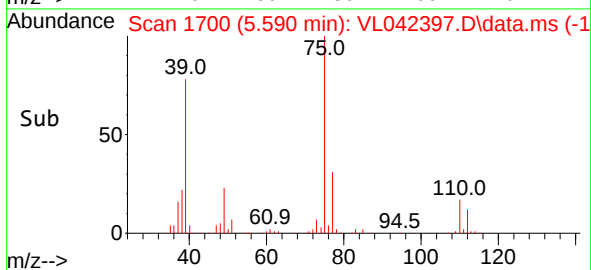
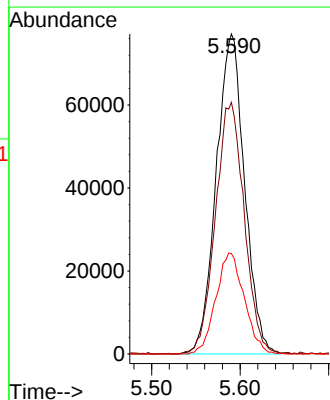
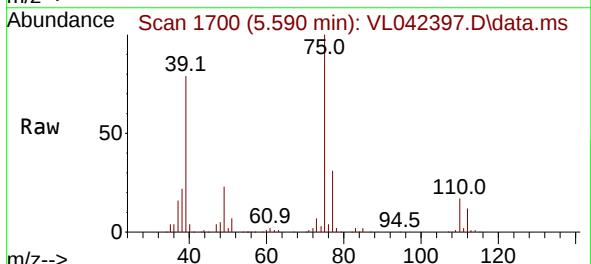
Tgt Ion: 75 Resp: 171445

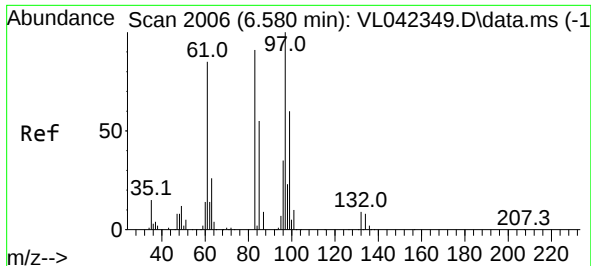
Ion Ratio Lower Upper

75 100

39 78.5 50.0 75.0#

77 31.4 23.0 34.6

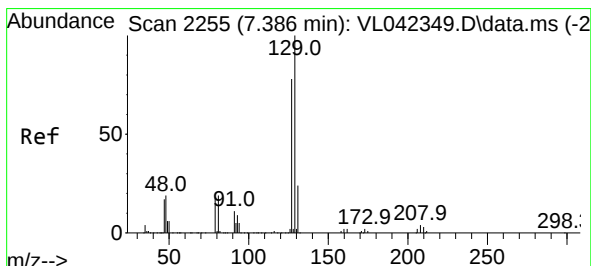
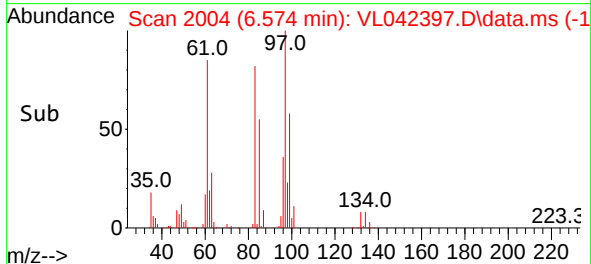
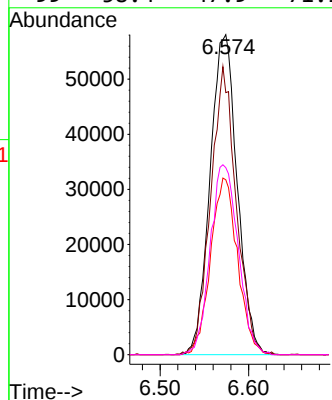
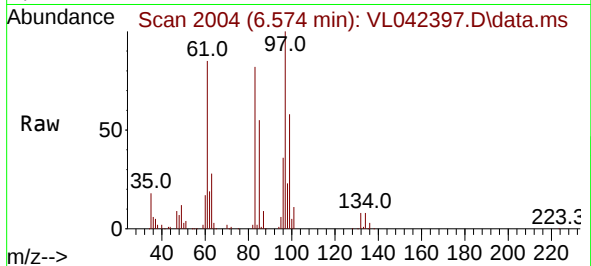




#47
1,1,2-Trichloroethane
Concen: 8.967 ppbv
RT: 6.574 min Scan# 2004
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

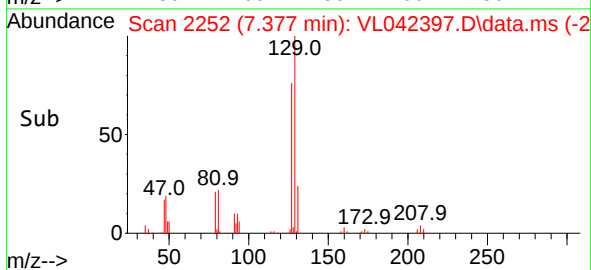
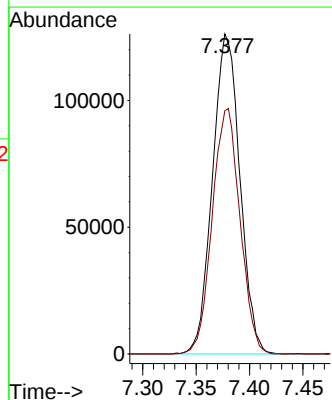
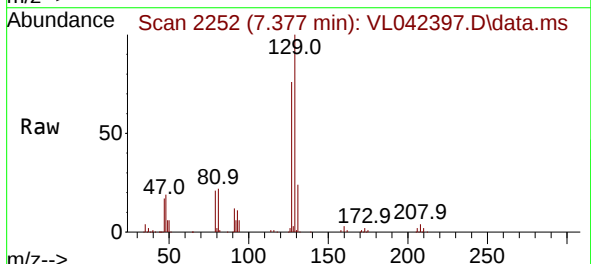
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

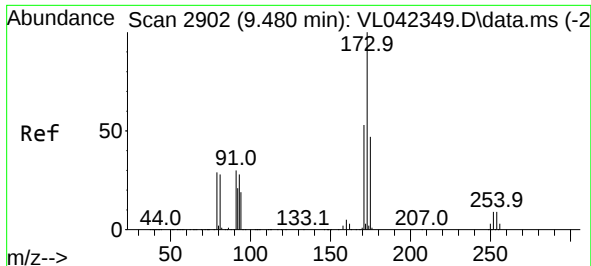
Tgt Ion: 97 Resp: 124092
Ion Ratio Lower Upper
97 100
83 81.9 72.8 109.2
85 54.7 44.2 66.4
99 58.4 47.9 71.9



#48
Dibromochloromethane
Concen: 9.226 ppbv
RT: 7.377 min Scan# 2252
Delta R.T. -0.009 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 129 Resp: 225553
Ion Ratio Lower Upper
129 100
127 77.6 39.1 117.3





#49

Bromoform

Concen: 8.830 ppbv

RT: 9.474 min Scan# 2900

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

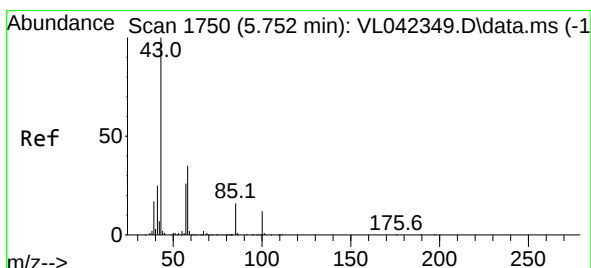
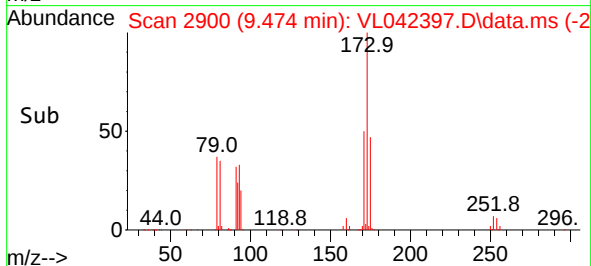
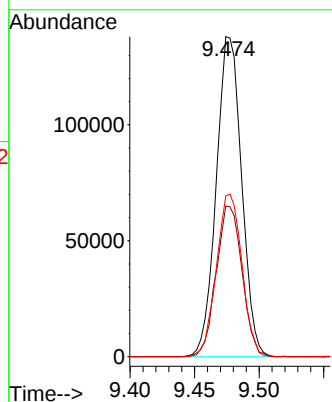
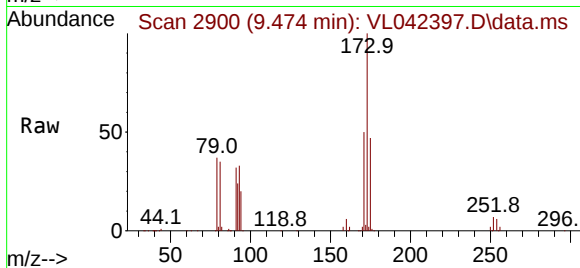
Tgt Ion:173 Resp: 188764

Ion Ratio Lower Upper

173 100

175 48.0 38.2 57.2

171 50.9 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 7.182 ppbv

RT: 5.739 min Scan# 1746

Delta R.T. -0.013 min

Lab File: VL042397.D

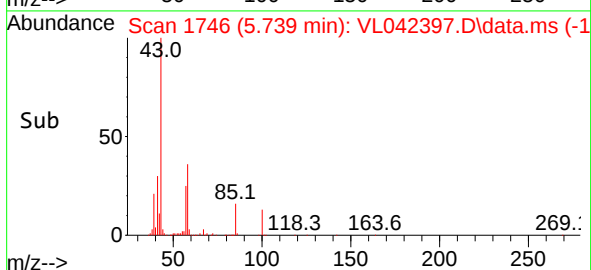
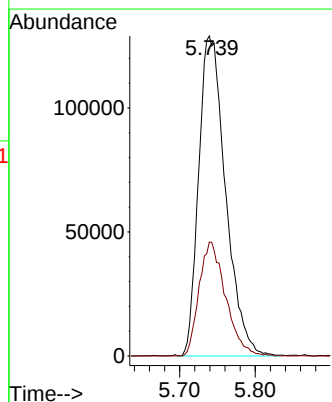
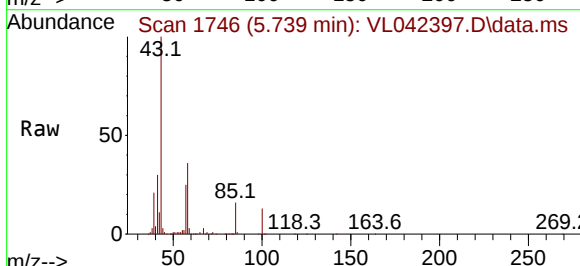
Acq: 21 Apr 2025 10:14

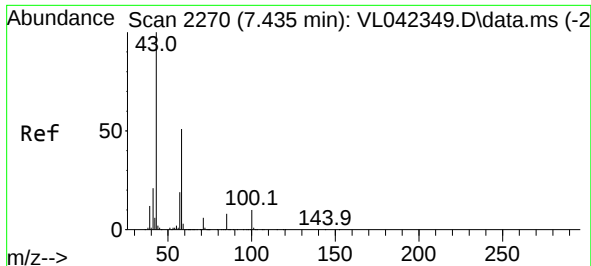
Tgt Ion: 43 Resp: 318982

Ion Ratio Lower Upper

43 100

58 35.1 28.6 43.0

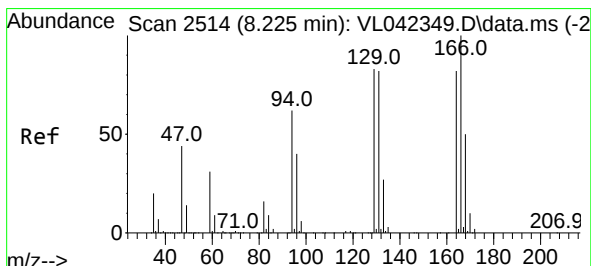
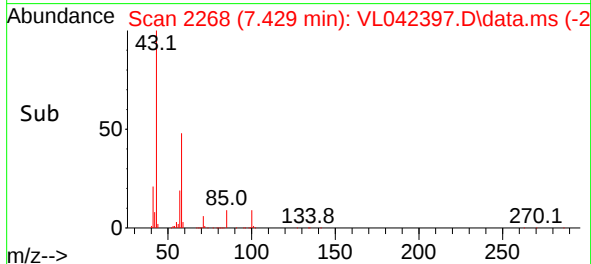
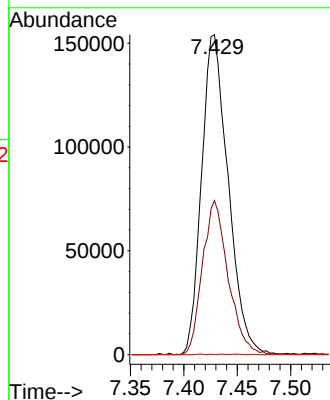
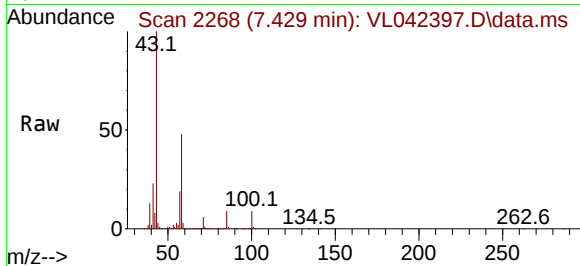




#51
2-Hexanone
Concen: 6.702 ppbv
RT: 7.429 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

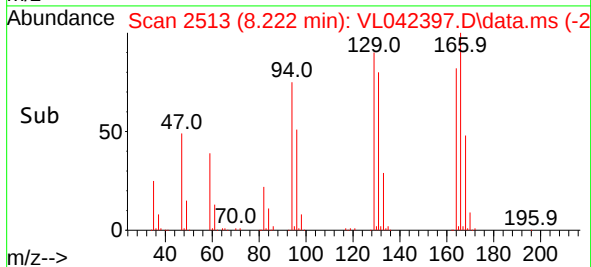
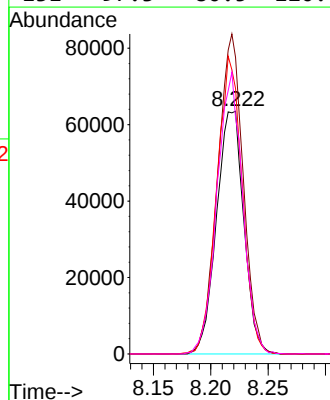
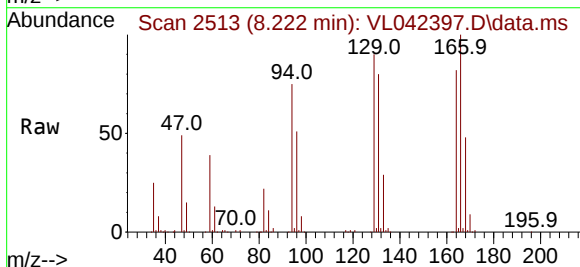
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

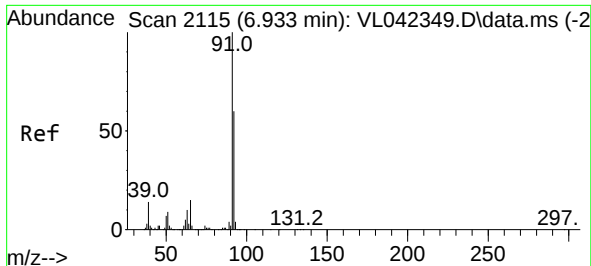
Tgt Ion: 43 Resp: 266951
Ion Ratio Lower Upper
43 100
58 46.6 40.2 60.4
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 7.446 ppbv
RT: 8.222 min Scan# 2513
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion:164 Resp: 104899
Ion Ratio Lower Upper
164 100
166 122.1 98.2 147.2
129 109.2 81.8 122.8
131 97.3 80.5 120.7

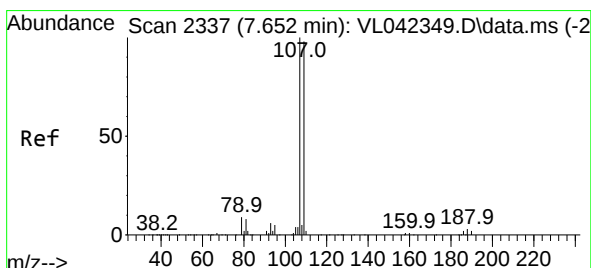
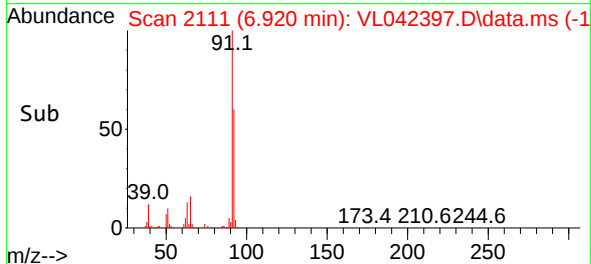
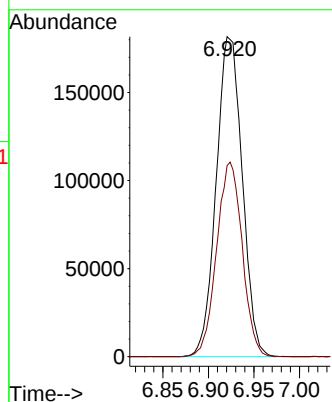
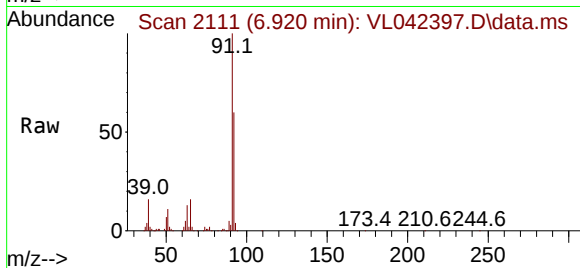




#53
Toluene
Concen: 8.264 ppbv
RT: 6.920 min Scan# 2111
Delta R.T. -0.013 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

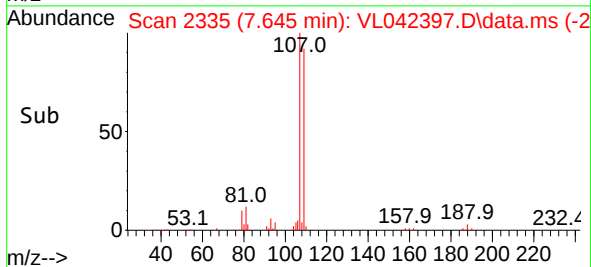
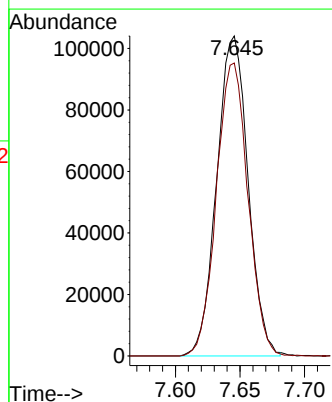
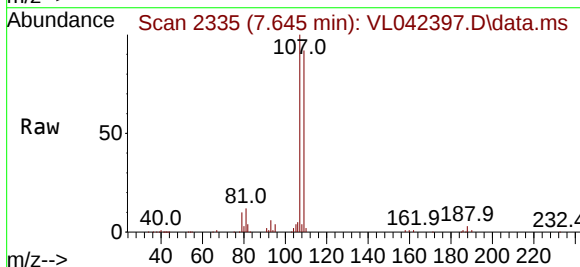
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

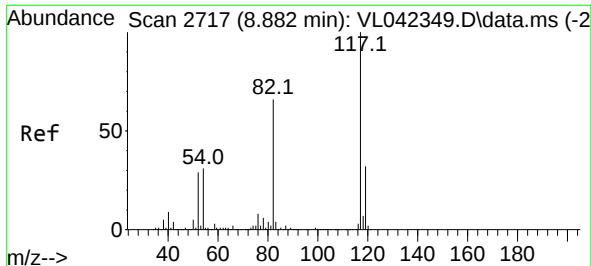
Tgt Ion: 91 Resp: 361443
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4



#54
1,2-Dibromoethane
Concen: 8.877 ppbv
RT: 7.645 min Scan# 2335
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 107 Resp: 175799
Ion Ratio Lower Upper
107 100
109 91.6 78.2 117.4

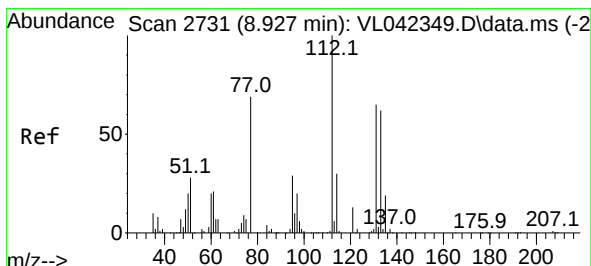
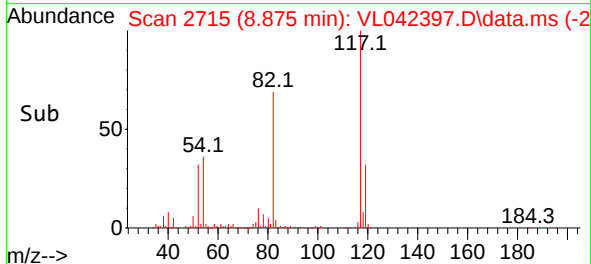
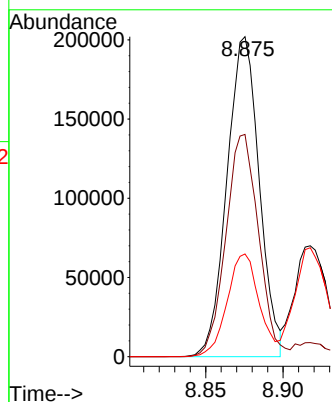
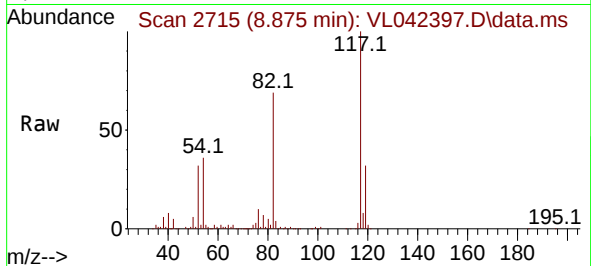




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

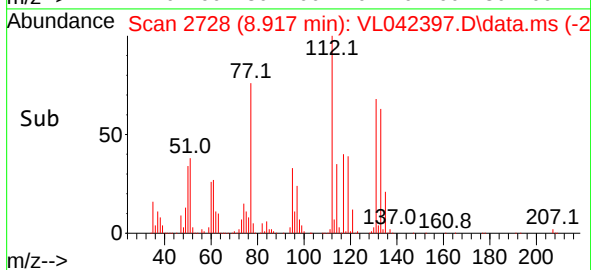
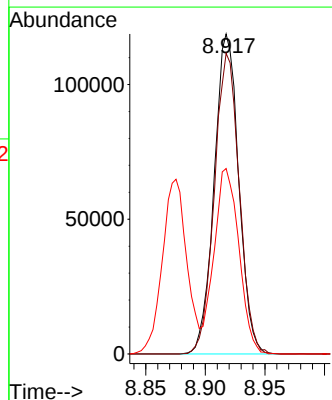
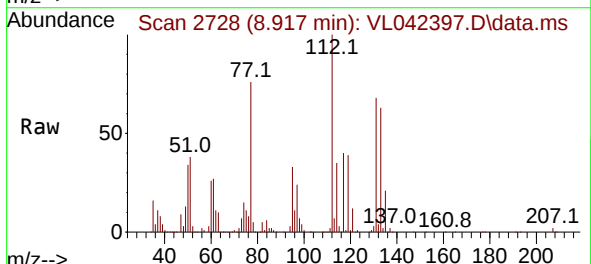
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

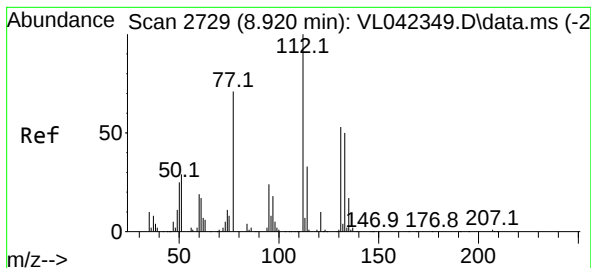
Tgt Ion:117 Resp: 293537
Ion Ratio Lower Upper
117 100
82 74.7 57.8 86.6
119 31.6 25.2 37.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.550 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.009 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion:131 Resp: 169656
Ion Ratio Lower Upper
131 100
133 95.3 78.3 117.5
119 58.0 48.7 73.1





#57

Chlorobenzene

Concen: 8.868 ppbv

RT: 8.914 min Scan# 21

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

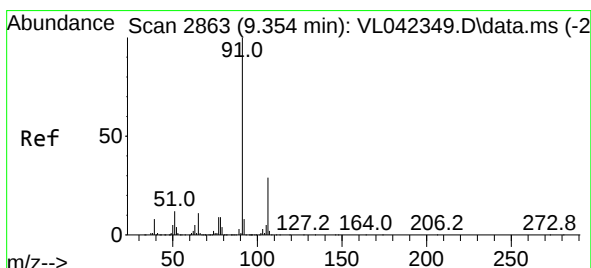
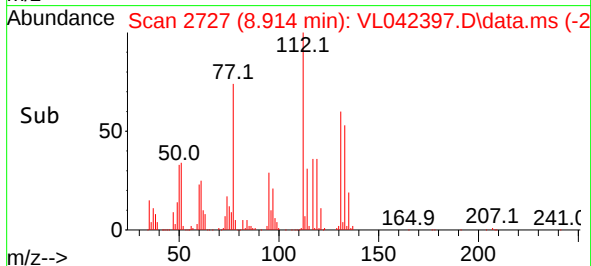
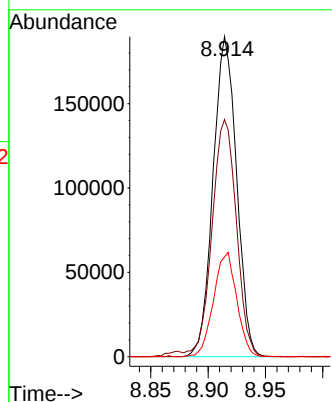
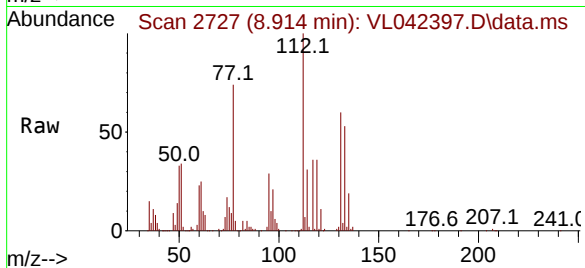
Tgt Ion:112 Resp: 270733

Ion Ratio Lower Upper

112 100

77 74.0 57.8 86.6

114 31.1 29.3 35.9



#58

Ethyl Benzene

Concen: 9.011 ppbv

RT: 9.348 min Scan# 2861

Delta R.T. -0.006 min

Lab File: VL042397.D

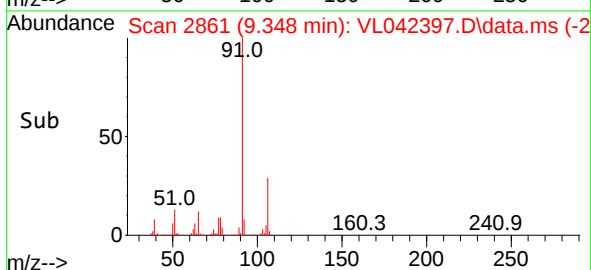
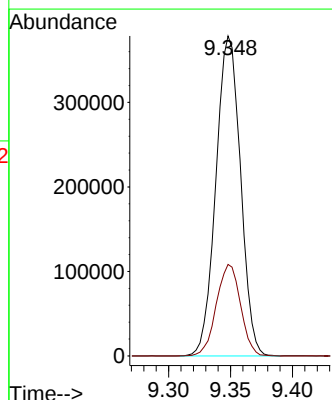
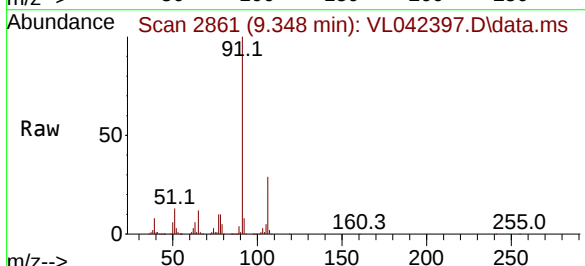
Acq: 21 Apr 2025 10:14

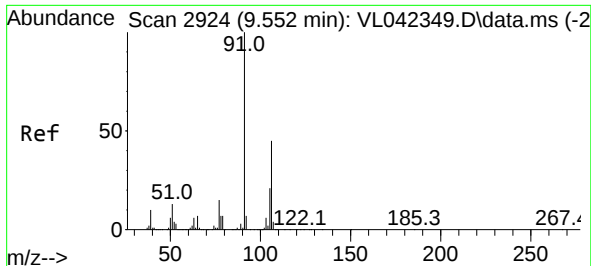
Tgt Ion: 91 Resp: 524070

Ion Ratio Lower Upper

91 100

106 28.6 23.0 34.4





#59

m/p-Xylene

Concen: 8.360 ppbv

RT: 9.545 min Scan# 29

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

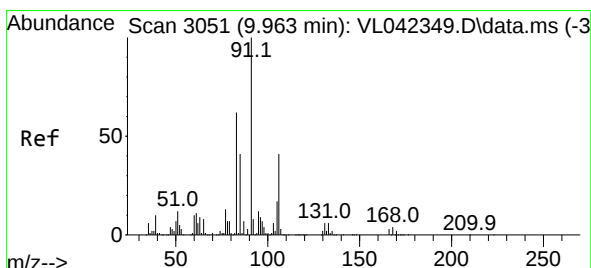
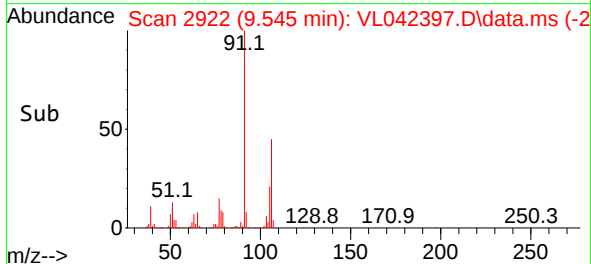
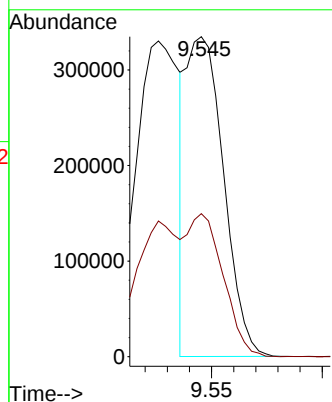
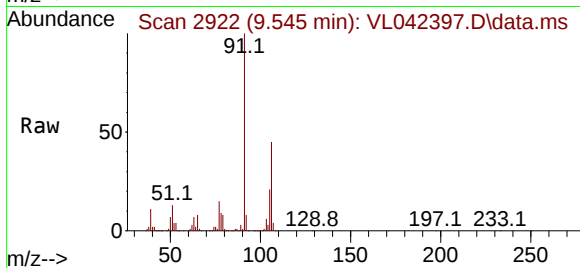
VL0421ABS01

Tgt Ion: 91 Resp: 391682

Ion Ratio Lower Upper

91 100

106 92.7 35.4 53.2#



#60

o-Xylene

Concen: 9.179 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.006 min

Lab File: VL042397.D

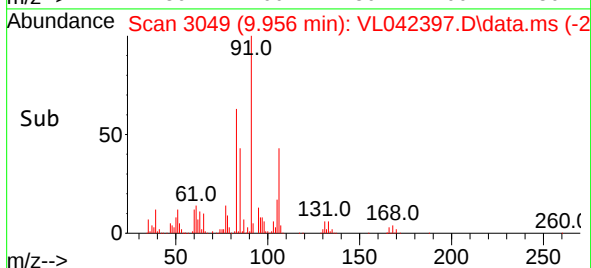
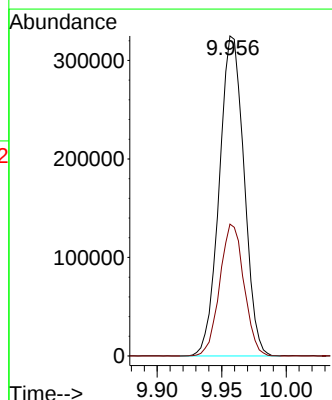
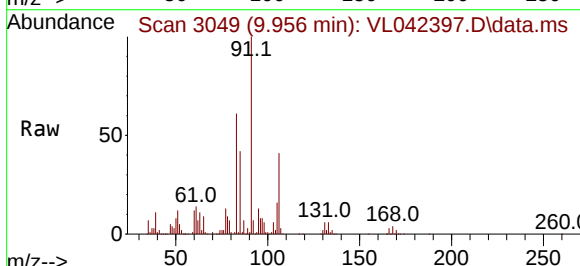
Acq: 21 Apr 2025 10:14

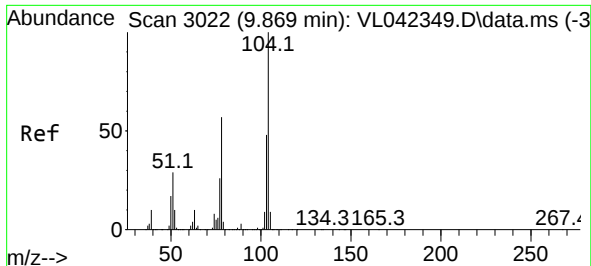
Tgt Ion: 91 Resp: 433062

Ion Ratio Lower Upper

91 100

106 40.3 21.1 63.4





#61

Styrene

Concen: 8.648 ppbv

RT: 9.866 min Scan# 3022

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

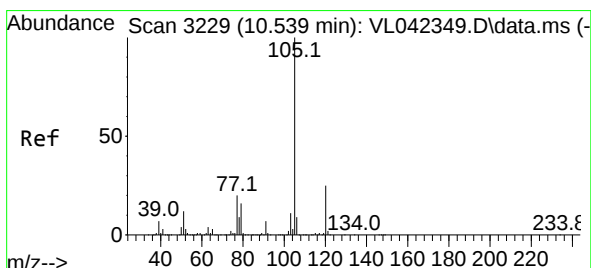
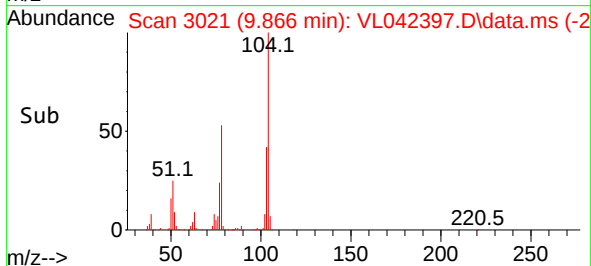
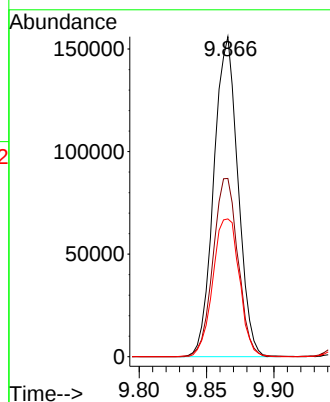
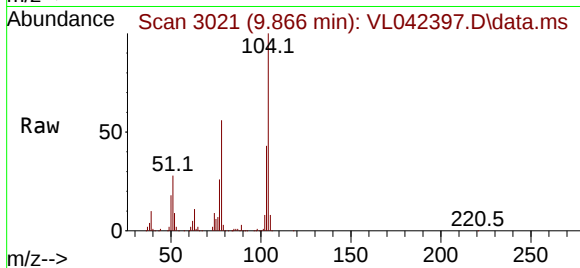
Tgt Ion:104 Resp: 194756

Ion Ratio Lower Upper

104 100

78 57.4 44.6 66.8

103 47.4 37.4 56.0



#62

Isopropylbenzene

Concen: 9.262 ppbv

RT: 10.533 min Scan# 3227

Delta R.T. -0.006 min

Lab File: VL042397.D

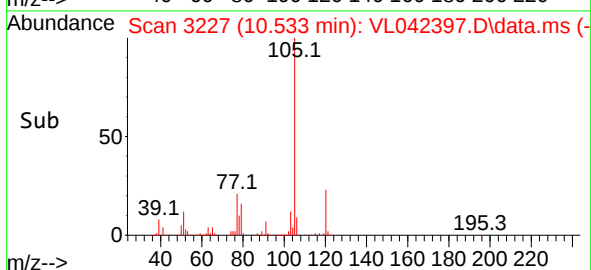
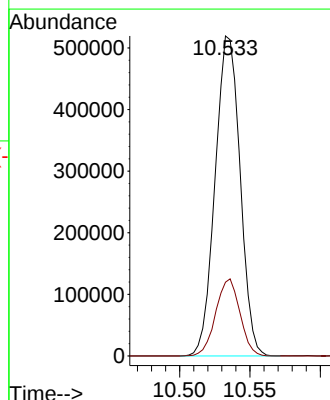
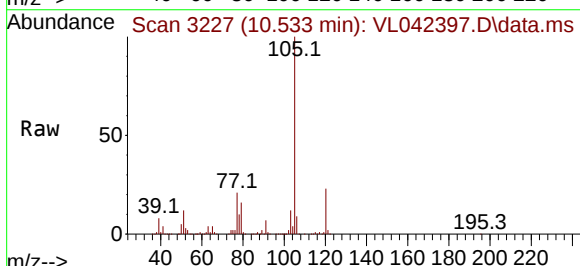
Acq: 21 Apr 2025 10:14

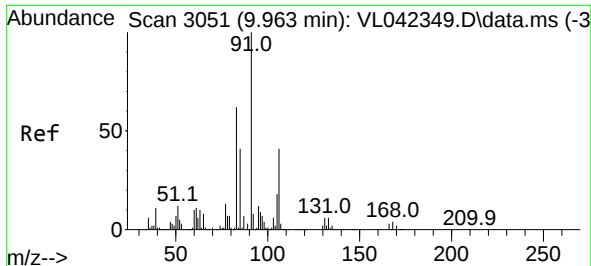
Tgt Ion:105 Resp: 641535

Ion Ratio Lower Upper

105 100

120 23.3 19.8 29.8





#63

1,1,2,2-Tetrachloroethane

Concen: 8.420 ppbv

RT: 9.956 min Scan# 3049

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

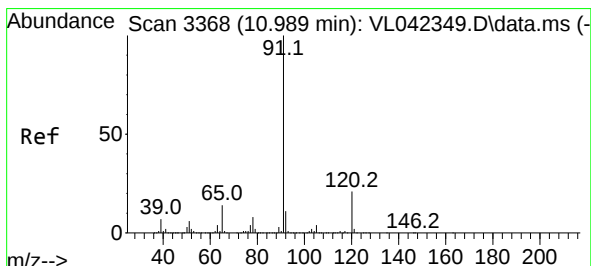
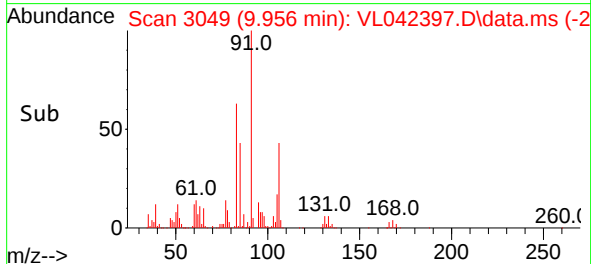
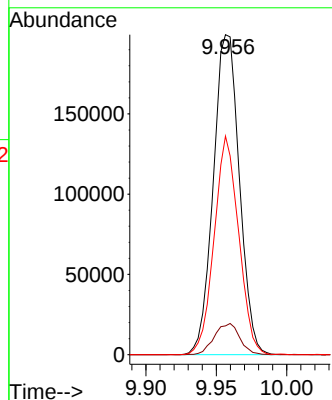
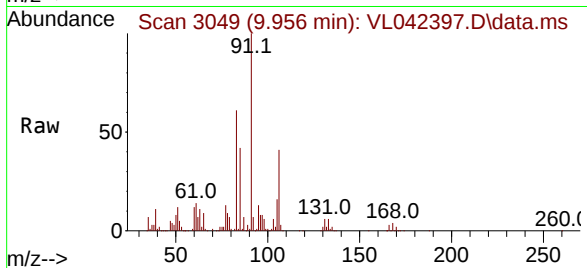
Tgt Ion: 83 Resp: 257428

Ion Ratio Lower Upper

83 100

131 9.5 4.5 13.7

85 64.0 32.4 97.0



#64

n-propylbenzene

Concen: 8.922 ppbv

RT: 10.982 min Scan# 3366

Delta R.T. -0.006 min

Lab File: VL042397.D

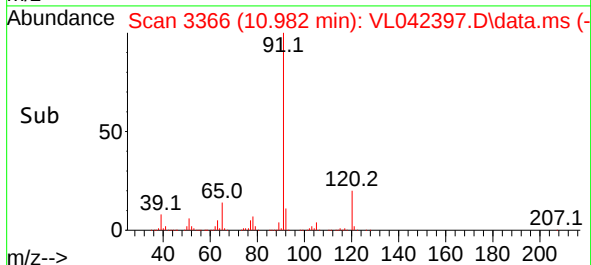
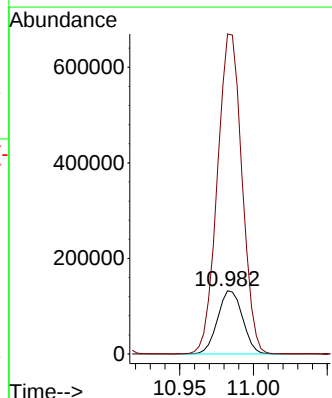
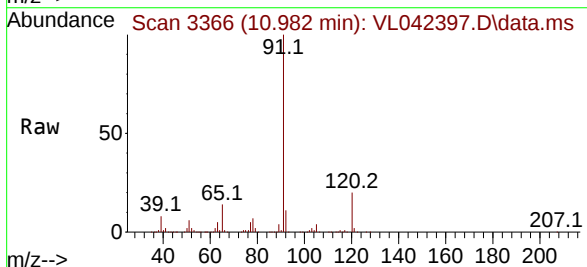
Acq: 21 Apr 2025 10:14

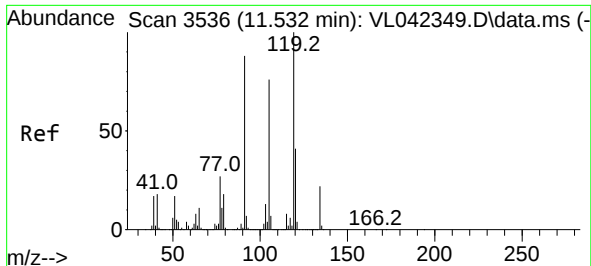
Tgt Ion: 120 Resp: 155343

Ion Ratio Lower Upper

120 100

91 501.1 392.4 588.6

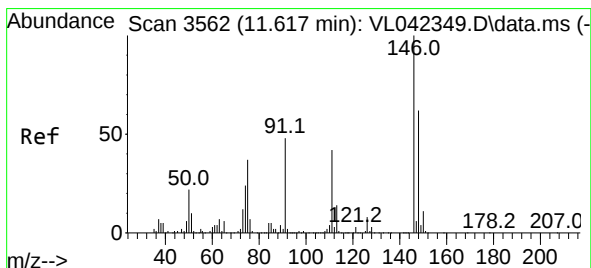
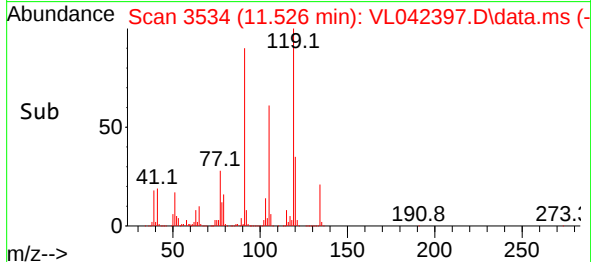
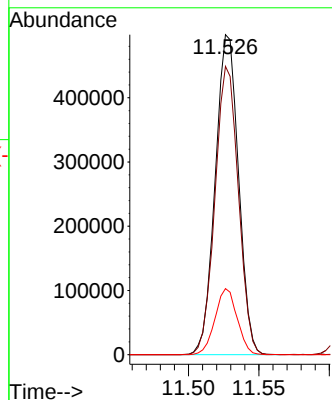
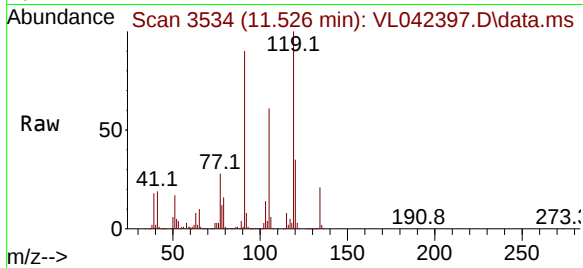




#65
tert-Butylbenzene
Concen: 9.015 ppbv
RT: 11.526 min Scan# 3534
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

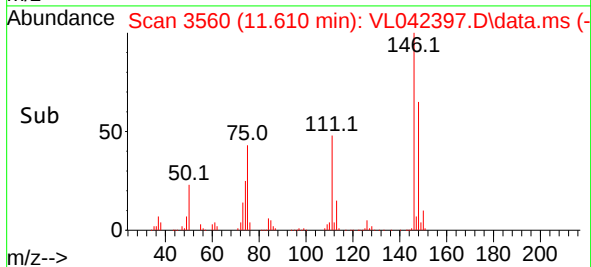
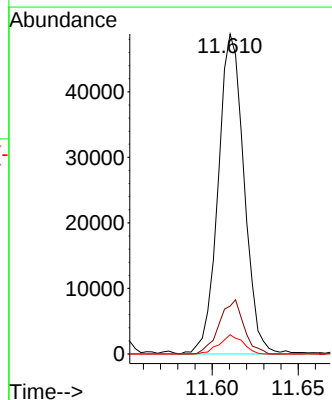
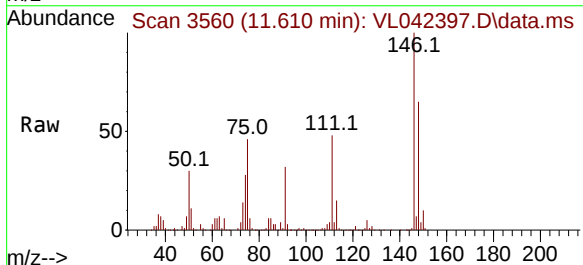
Instrument :
MSVOA_1
ClientSampleId :
VL0421ABS01

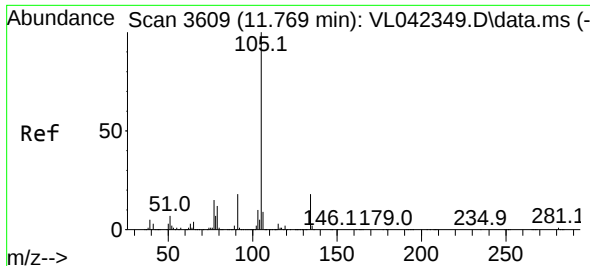
Tgt Ion:119 Resp: 573929
Ion Ratio Lower Upper
119 100
91 90.4 74.6 111.8
134 19.6 18.8 28.2



#66
Benzyl Chloride
Concen: 7.294 ppbv
RT: 11.610 min Scan# 3560
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 91 Resp: 51025
Ion Ratio Lower Upper
91 100
126 16.0 11.8 17.6
128 5.4 4.5 6.7

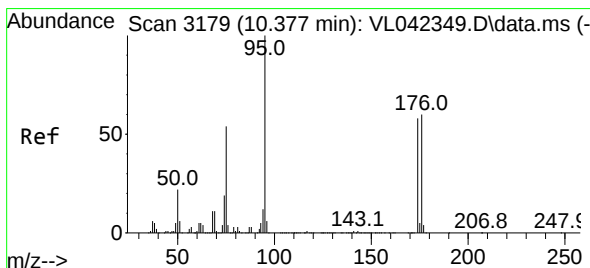
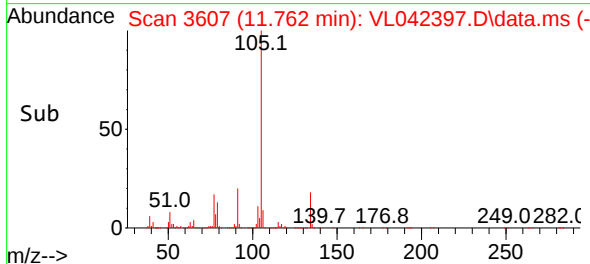
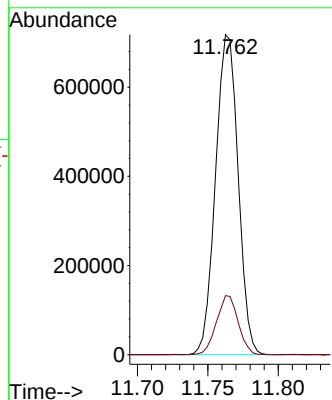
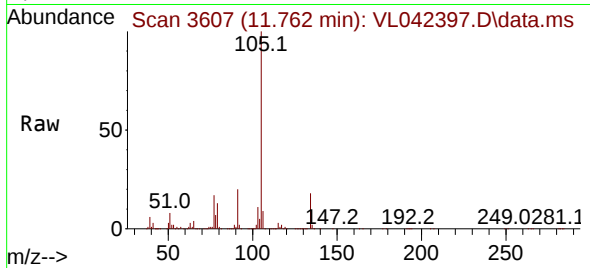




#67
 sec-Butylbenzene
 Concen: 9.061 ppbv
 RT: 11.762 min Scan# 3607
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

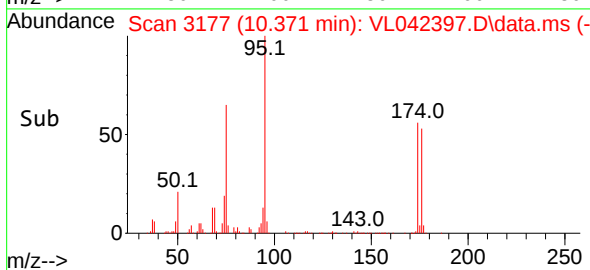
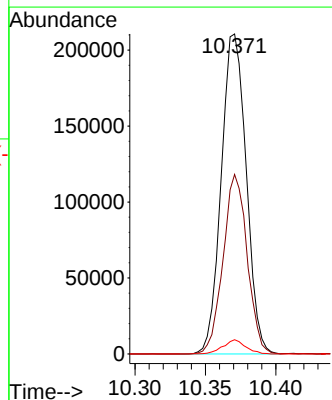
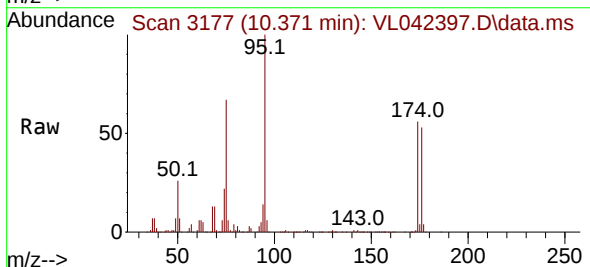
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0421ABS01

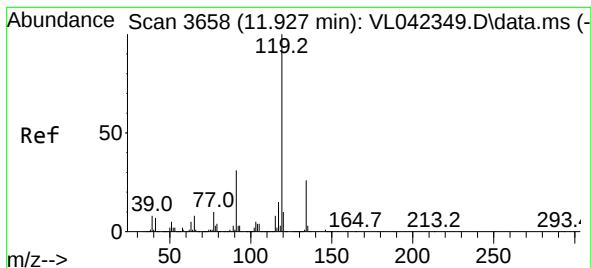
Tgt Ion:105 Resp: 802355
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.781 ppbv
 RT: 10.371 min Scan# 3177
 Delta R.T. -0.006 min
 Lab File: VL042397.D
 Acq: 21 Apr 2025 10:14

Tgt Ion: 95 Resp: 260048
 Ion Ratio Lower Upper
 95 100
 174 54.2 48.5 72.7
 175 4.0 3.7 5.5





#69

p-Isopropyltoluene

Concen: 8.910 ppbv

RT: 11.921 min Scan# 3656

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

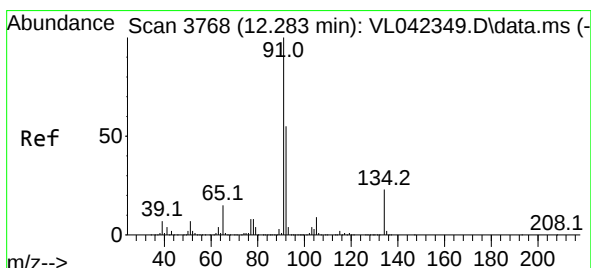
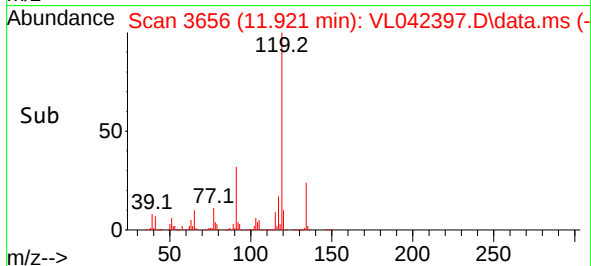
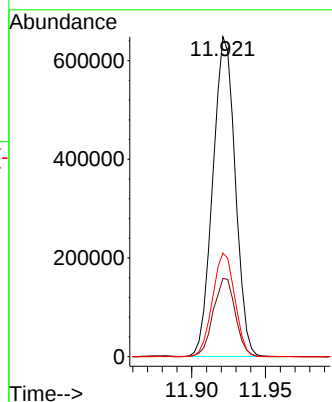
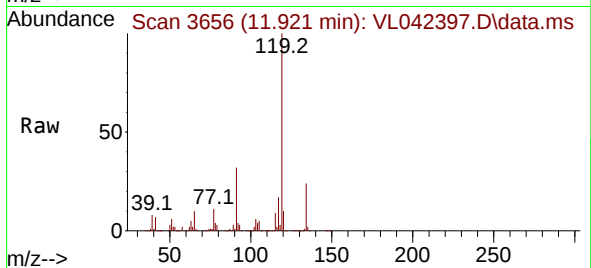
Tgt Ion:119 Resp: 685449

Ion Ratio Lower Upper

119 100

134 24.2 20.0 30.0

91 32.5 24.4 36.6



#70

n-Butylbenzene

Concen: 9.025 ppbv

RT: 12.277 min Scan# 3766

Delta R.T. -0.006 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

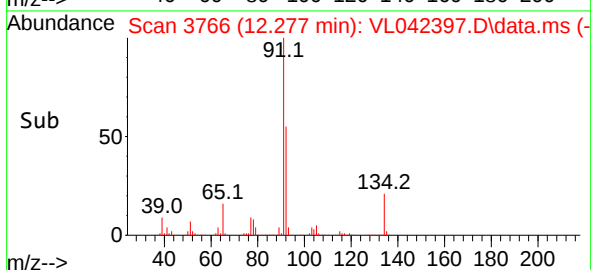
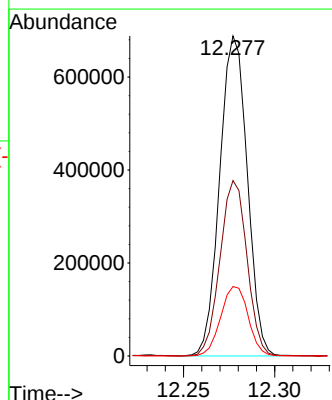
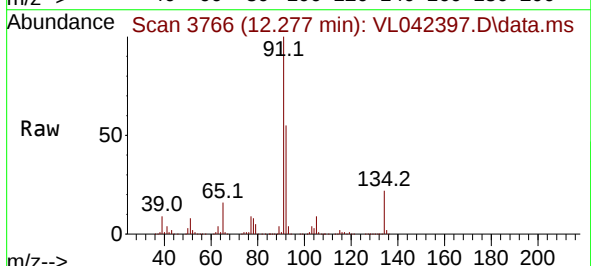
Tgt Ion: 91 Resp: 723138

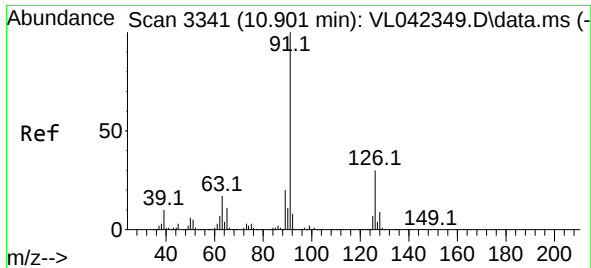
Ion Ratio Lower Upper

91 100

92 54.0 44.2 66.4

134 21.7 18.2 27.4

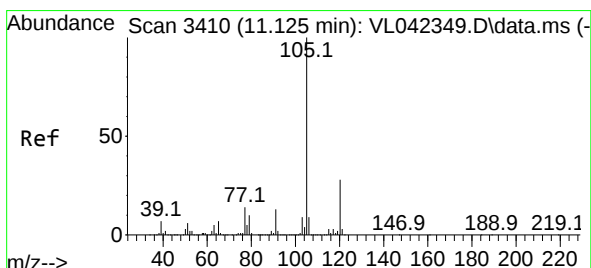
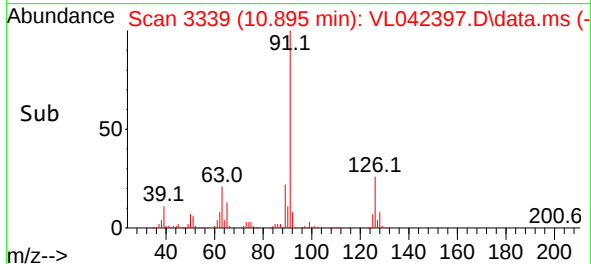
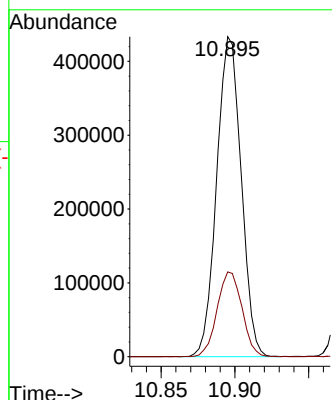
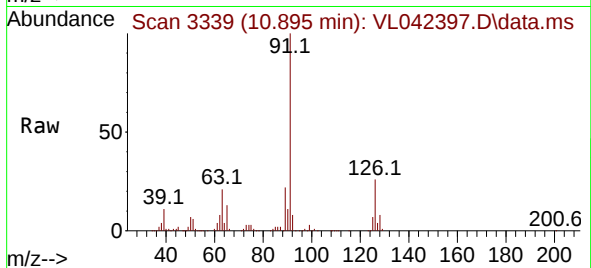




#71
2-Chlorotoluene
Concen: 9.211 ppbv
RT: 10.895 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

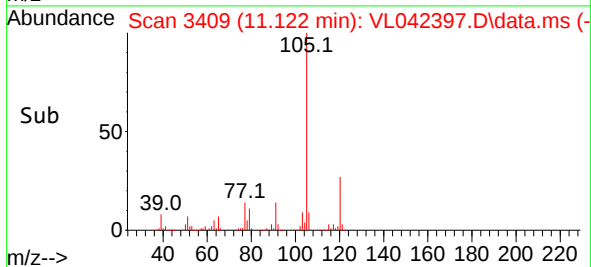
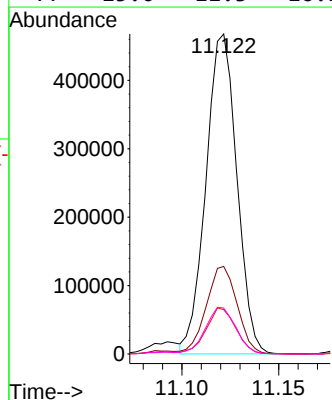
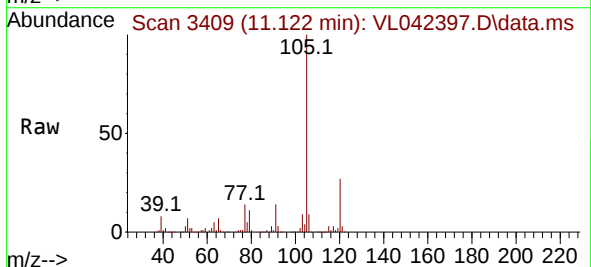
Instrument :
MSVOA_1
ClientSampleId :
VL0421ABS01

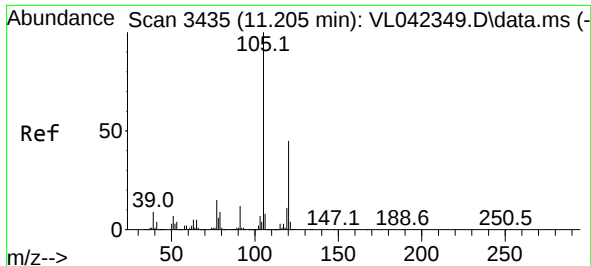
Tgt Ion: 91 Resp: 500409
Ion Ratio Lower Upper
91 100
126 26.8 11.4 45.4



#72
4-Ethyltoluene
Concen: 9.002 ppbv
RT: 11.122 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion: 105 Resp: 519236
Ion Ratio Lower Upper
105 100
120 28.3 23.2 34.8
91 14.5 10.4 15.6
77 15.0 11.3 16.9

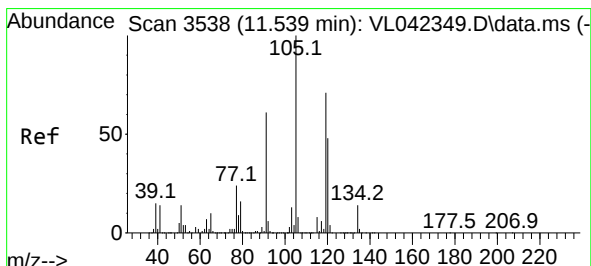
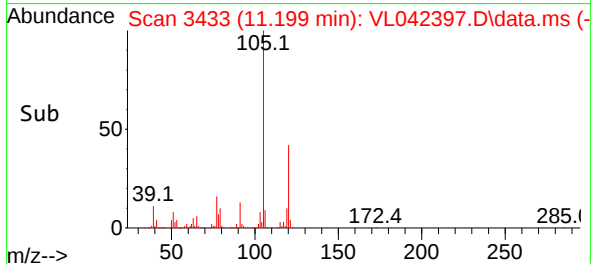
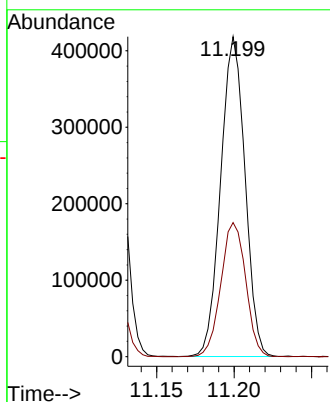
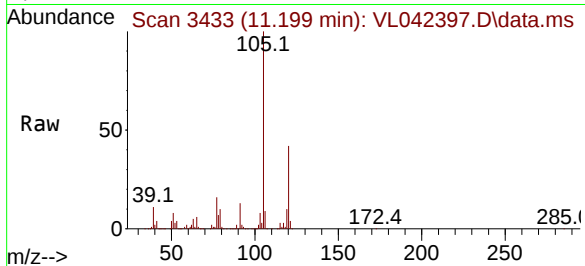




#73
1,3,5-Trimethylbenzene
Concen: 8.963 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

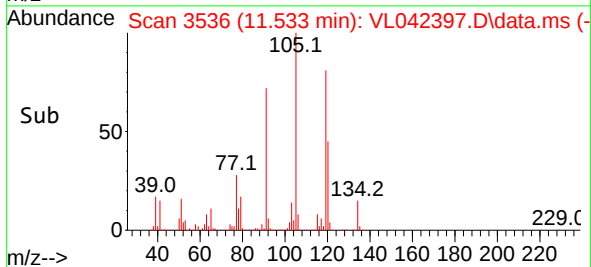
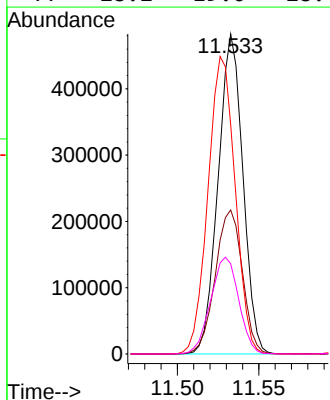
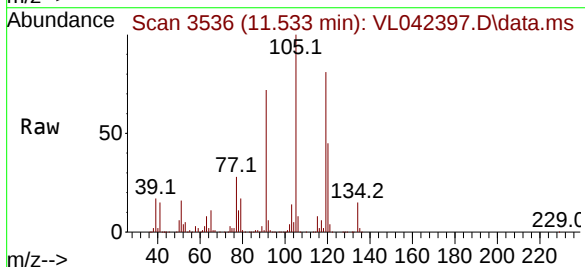
Instrument :
MSVOA_1
ClientSampleId :
VL0421ABS01

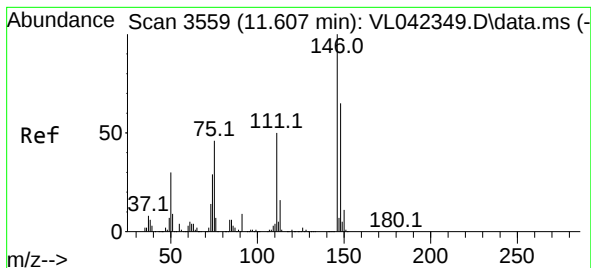
Tgt Ion:105 Resp: 456404
Ion Ratio Lower Upper
105 100
120 41.9 35.6 53.4



#74
1,2,4-Trimethylbenzene
Concen: 8.561 ppbv
RT: 11.533 min Scan# 3536
Delta R.T. -0.006 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion:105 Resp: 509154
Ion Ratio Lower Upper
105 100
120 45.0 38.1 57.1
91 71.7 48.8 73.2
77 28.2 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 8.652 ppbv

RT: 11.604 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

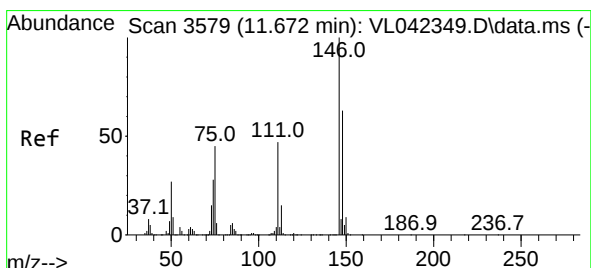
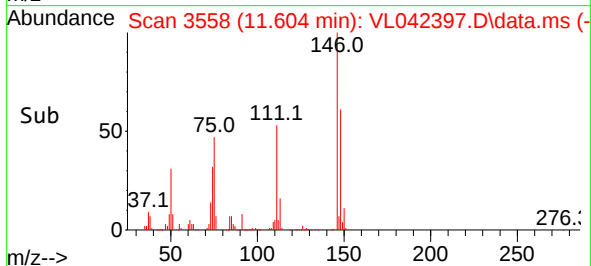
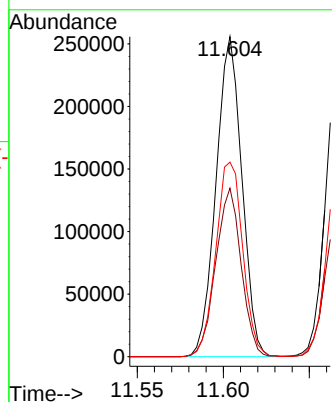
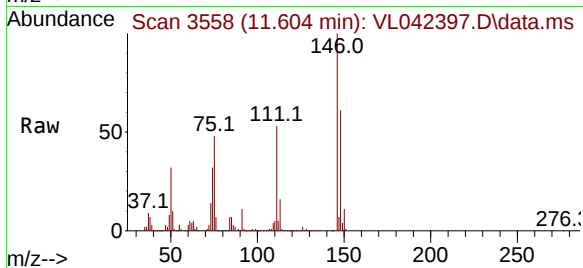
Tgt Ion:146 Resp: 267483

Ion Ratio Lower Upper

146 100

111 52.0 24.3 72.8

148 63.5 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 8.602 ppbv

RT: 11.669 min Scan# 3578

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

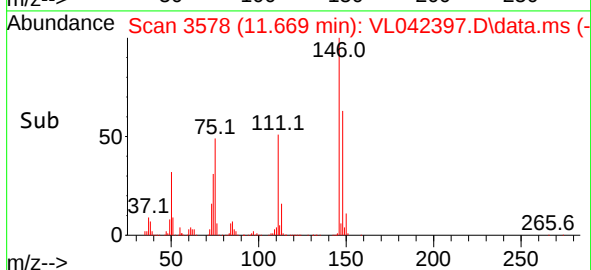
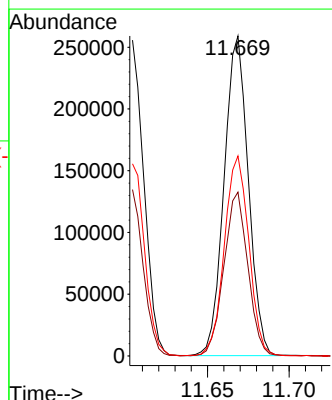
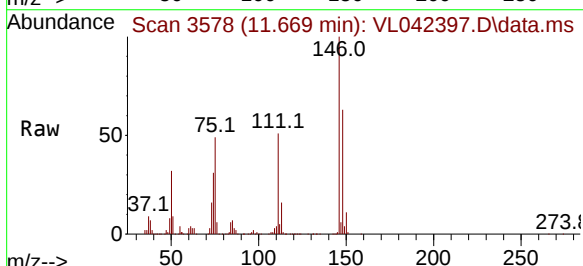
Tgt Ion:146 Resp: 267283

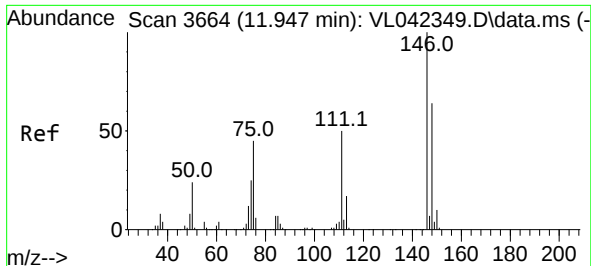
Ion Ratio Lower Upper

146 100

111 50.9 24.2 72.6

148 63.3 32.1 96.5

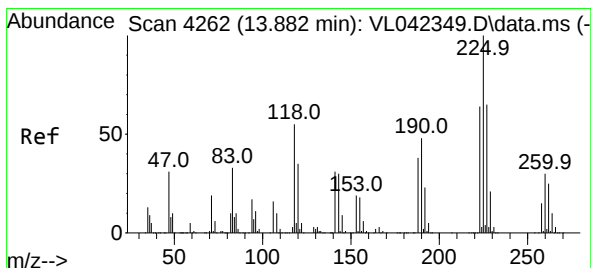
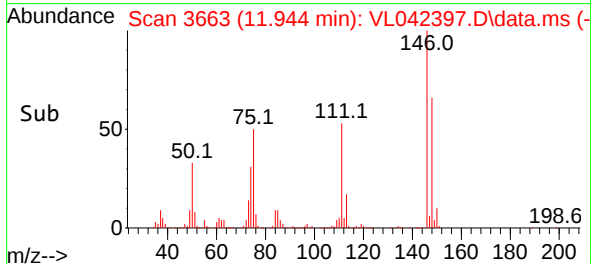
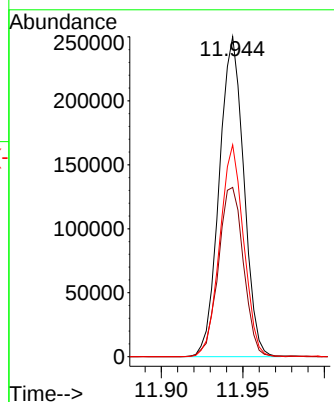
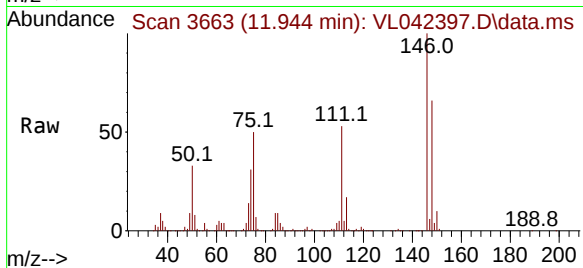




#77
1,2-Dichlorobenzene
Concen: 8.693 ppbv
RT: 11.944 min Scan# 3663
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

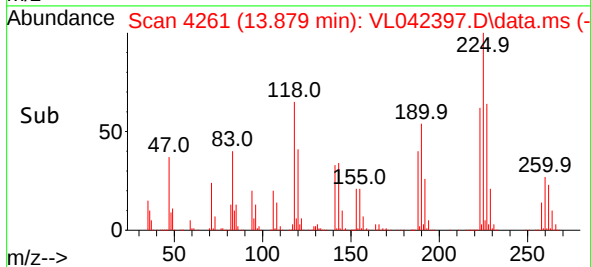
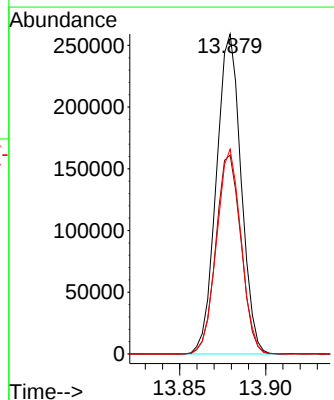
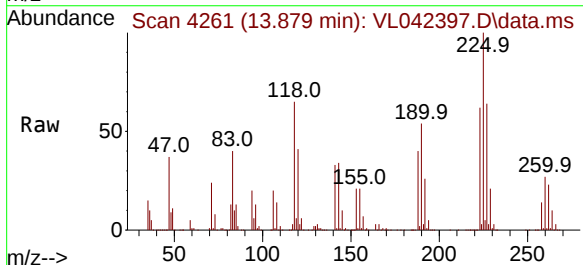
Instrument :
MSVOA_L
ClientSampleId :
VL0421ABS01

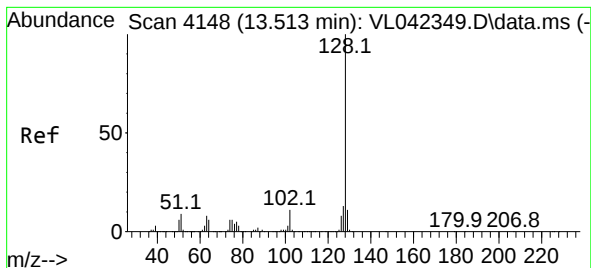
Tgt Ion:146 Resp: 261316
Ion Ratio Lower Upper
146 100
111 54.3 25.3 75.9
148 64.4 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 8.537 ppbv
RT: 13.879 min Scan# 4261
Delta R.T. -0.003 min
Lab File: VL042397.D
Acq: 21 Apr 2025 10:14

Tgt Ion:225 Resp: 259140
Ion Ratio Lower Upper
225 100
223 63.2 50.3 75.5
227 63.4 51.5 77.3





#79

Naphthalene

Concen: 8.225 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01

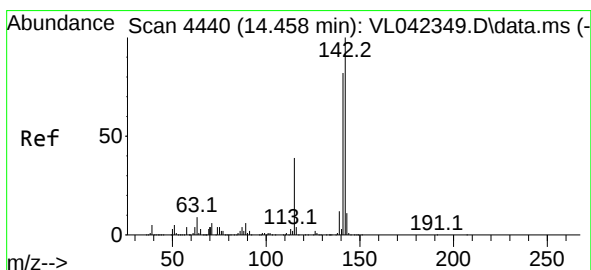
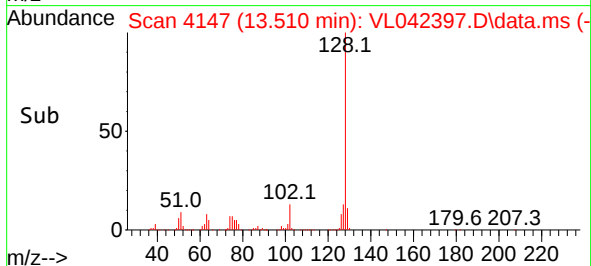
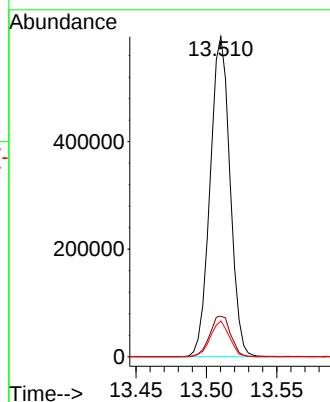
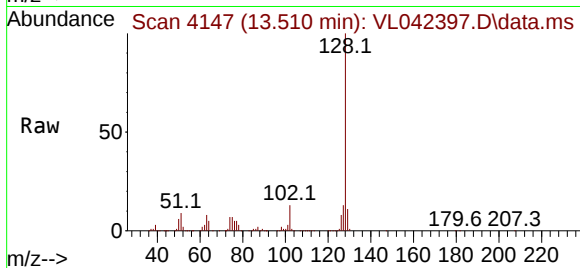
Tgt Ion:128 Resp: 584987

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

129 11.2 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 7.405 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.003 min

Lab File: VL042397.D

Acq: 21 Apr 2025 10:14

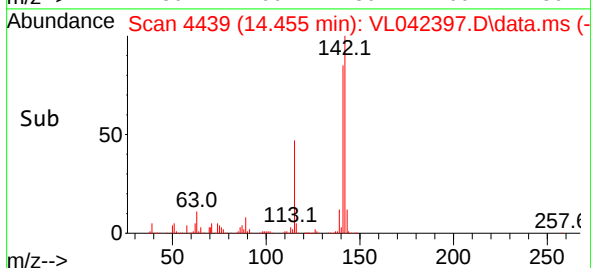
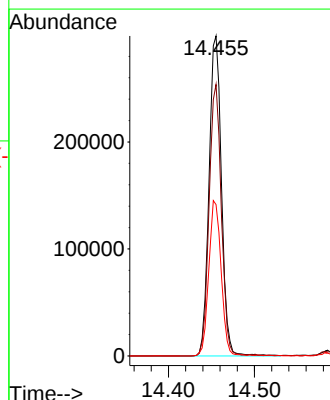
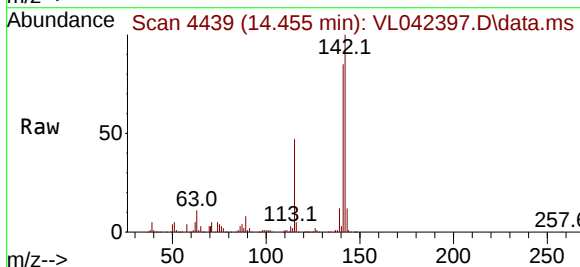
Tgt Ion:142 Resp: 300148

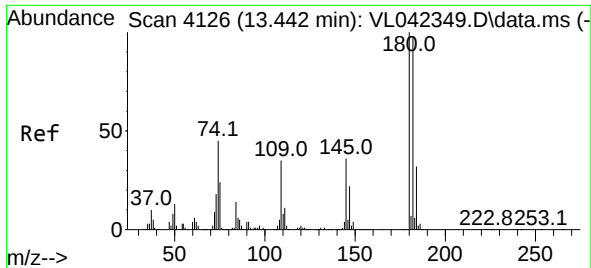
Ion Ratio Lower Upper

142 100

141 84.0 66.8 100.2

115 48.6 33.4 50.2





#81

1,2,4-Trichlorobenzene

Concen: 8.452 ppbv

RT: 13.436 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL042397.D

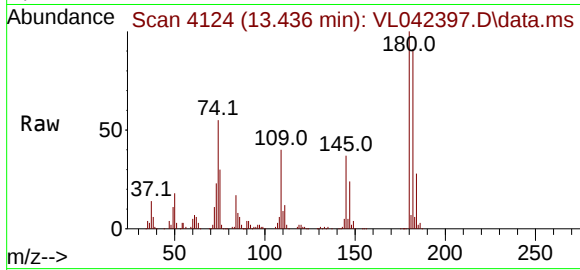
Acq: 21 Apr 2025 10:14

Instrument :

MSVOA_L

ClientSampleId :

VL0421ABS01



Tgt Ion:180 Resp: 258107

Ion Ratio Lower Upper

180 100

182 95.0 76.8 115.2

184 29.5 24.6 36.8

