

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042825\
 Data File : VL042418.D
 Acq On : 28 Apr 2025 10:10
 Operator : SY/MD
 Sample : VL0428ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

Quant Time: Apr 29 01:32:38 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	2.780	49	122448	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	337202	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	299130	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	258626	10.521	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	216893	10.025	ppbv	99
3) Chlorodifluoromethane	1.473	51	187830	9.117	ppbv	97
4) Chloromethane	1.531	50	82976	9.692	ppbv	98
5) Vinyl Chloride	1.576	62	81506	8.746	ppbv	96
6) Bromomethane	1.664	94	37549	9.379	ppbv	86
7) Chloroethane	1.703	64	31924	9.472	ppbv	98
8) Dichlorotetrafluoroethane	1.550	85	184850	9.952	ppbv	95
9) Propene	1.482	41	74980	7.992	ppbv	95
10) Heptane	4.968	43	199403	7.565	ppbv	99
11) Trichlorofluoromethane	1.874	101	205815	10.004	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.136	101	161799	9.619	ppbv	97
13) Ethanol	1.719	45	4439	2.977	ppbv	81
14) Bromoethene	1.780	108	60748	9.581	ppbv	97
15) Acetone	1.832	43	172651	8.613	ppbv	99
16) 1,3-Butadiene	1.605	39	86553	9.028	ppbv	94
17) tert-Butyl alcohol	2.036	59	221069	8.899	ppbv	100
18) 1,1-Dichloroethene	2.029	96	72496	9.225	ppbv	98
19) Isopropyl Alcohol	1.884	45	97525	8.758	ppbv	88
20) Methylene Chloride	2.059	84	62175	7.920	ppbv	89
21) Allyl Chloride	2.091	41	124058	8.964	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	82175	9.184	ppbv	97
23) Vinyl Acetate	2.457	43	67206	8.283	ppbv #	99
24) 1,1-Dichloroethane	2.405	63	159644	9.393	ppbv	99
25) Ethyl Acetate	2.832	43	419372	8.485	ppbv	99
26) Hexane	2.819	57	162255	8.112	ppbv	99
27) Carbon Disulfide	2.146	76	200806	9.377	ppbv	97
28) Methyl tert-Butyl Ether	2.437	73	114239	8.718	ppbv	92
29) Chloroform	2.842	83	275655	9.751	ppbv	100
30) Cyclohexane	3.848	84	138766	8.583	ppbv	98
31) cis-1,2-Dichloroethene	2.716	61	179960	9.464	ppbv	97
32) 1,1,1-Trichloroethane	3.363	97	301358	9.469	ppbv	100
34) 2-Butanone	2.554	43	230104	8.628	ppbv	99
35) Carbon Tetrachloride	3.755	117	302298	9.906	ppbv	96
36) Benzene	3.648	78	329117	9.049	ppbv	94
37) 1,2-Dichloroethane	3.214	62	232279	10.641	ppbv	97
38) Trichloroethene	4.541	130	131178	8.252	ppbv	93
39) 1,2-Dichloropropane	4.308	63	119692	8.831	ppbv	93
40) 1,4-Dioxane	4.577	88	59666	8.010	ppbv #	91
41) Tetrahydrofuran	3.049	42	131046	8.428	ppbv	98
42) Bromodichloromethane	4.480	83	310553	10.222	ppbv #	99
43) Methyl Methacrylate	4.871	69	136249	8.312	ppbv	97
44) 2,2,4-Trimethylpentane	4.628	57	546967	8.707	ppbv	97
45) t-1,3-Dichloropropene	6.402	75	152930	9.133	ppbv	96

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

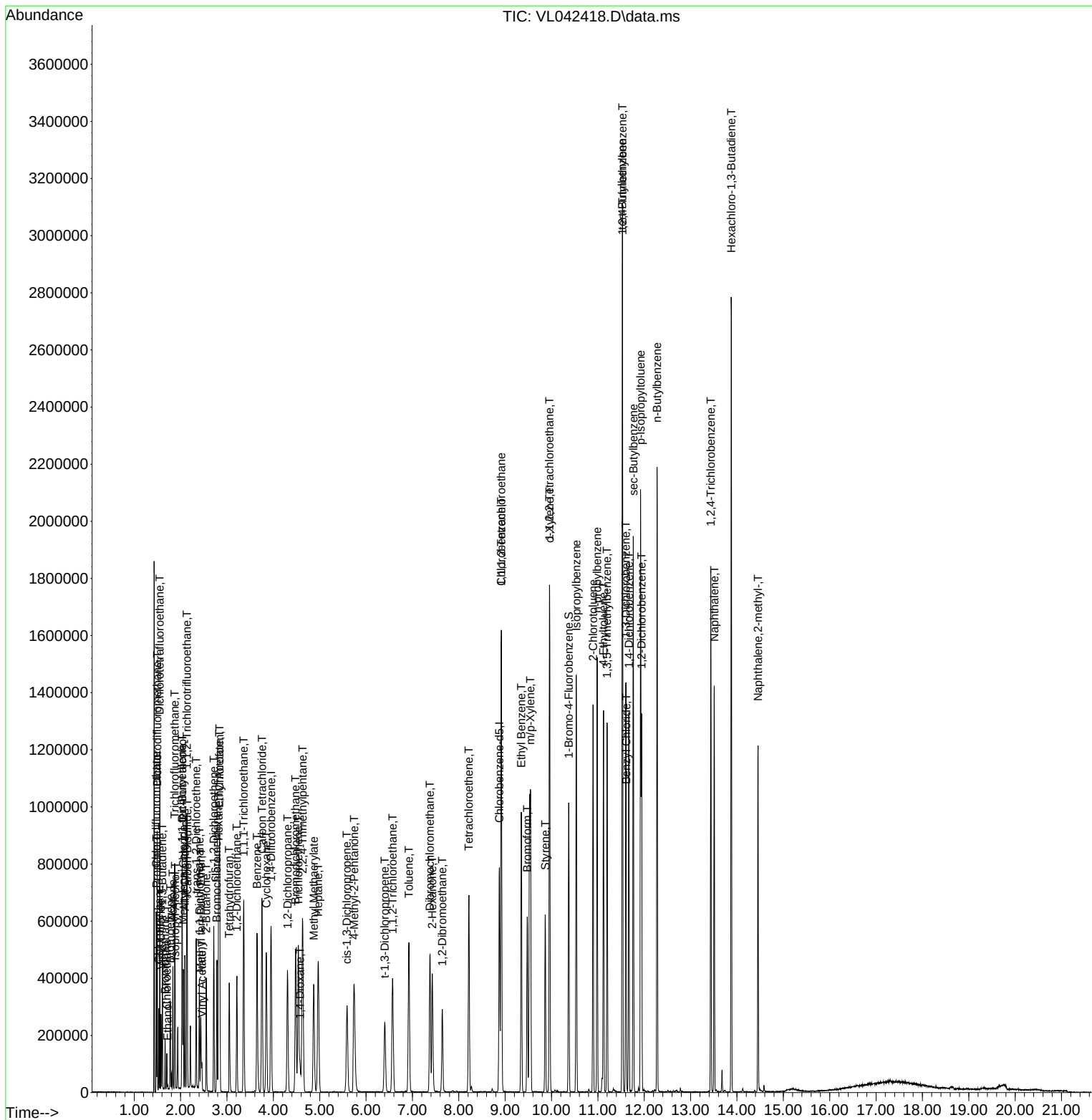
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

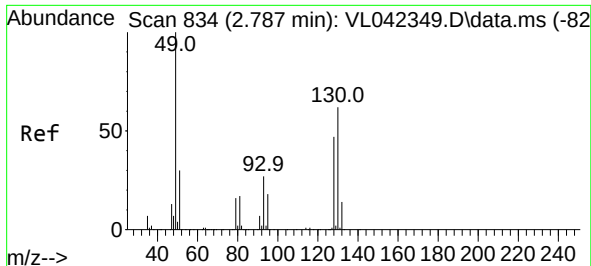
Quant Time: Apr 29 01:32:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Apr 18 02:14:00 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.587	75	185557	9.055	ppbv	91
47) 1,1,2-Trichloroethane	6.574	97	130821	9.474	ppbv	95
48) Dibromochloromethane	7.376	129	237927	9.753	ppbv	100
49) Bromoform	9.477	173	196872	9.229	ppbv	99
50) 4-Methyl-2-Pentanone	5.742	43	342379	7.726	ppbv	98
51) 2-Hexanone	7.428	43	280580	7.060	ppbv #	95
52) Tetrachloroethene	8.218	164	113273	8.058	ppbv	95
53) Toluene	6.923	91	388626	8.904	ppbv	99
54) 1,2-Dibromoethane	7.642	107	181632	9.191	ppbv	92
56) 1,1,1,2-Tetrachloroethane	8.917	131	180122	9.949	ppbv	96
57) Chlorobenzene	8.917	112	294922	9.480	ppbv	97
58) Ethyl Benzene	9.347	91	552423	9.321	ppbv	100
59) m/p-Xylene	9.545	91	434048	9.091	ppbv #	31
60) o-Xylene	9.959	91	457491	9.515	ppbv	98
61) Styrene	9.865	104	208517	9.086	ppbv	97
62) Isopropylbenzene	10.535	105	673842	9.546	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.956	83	273641	8.783	ppbv	100
64) n-propylbenzene	10.985	120	164482	9.271	ppbv	98
65) tert-Butylbenzene	11.526	119	612519	9.441	ppbv	95
66) Benzyl Chloride	11.610	91	54781	7.684	ppbv	98
67) sec-Butylbenzene	11.765	105	846457	9.380	ppbv	99
69) p-Isopropyltoluene	11.921	119	722909	9.221	ppbv	97
70) n-Butylbenzene	12.277	91	771835	9.452	ppbv	98
71) 2-Chlorotoluene	10.898	91	532755	9.623	ppbv	96
72) 4-Ethyltoluene	11.121	105	554770	9.438	ppbv	97
73) 1,3,5-Trimethylbenzene	11.199	105	481697	9.283	ppbv	94
74) 1,2,4-Trimethylbenzene	11.532	105	537510	8.869	ppbv #	89
75) 1,3-Dichlorobenzene	11.603	146	284652	9.035	ppbv	98
76) 1,4-Dichlorobenzene	11.668	146	284740	8.992	ppbv	98
77) 1,2-Dichlorobenzene	11.943	146	278619	9.095	ppbv	98
78) Hexachloro-1,3-Butadiene	13.876	225	271569	8.779	ppbv	99
79) Naphthalene	13.510	128	614768	8.482	ppbv	100
80) Naphthalene,2-methyl-	14.455	142	316027	7.651	ppbv	96
81) 1,2,4-Trichlorobenzene	13.435	180	271657	8.729	ppbv	98

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

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

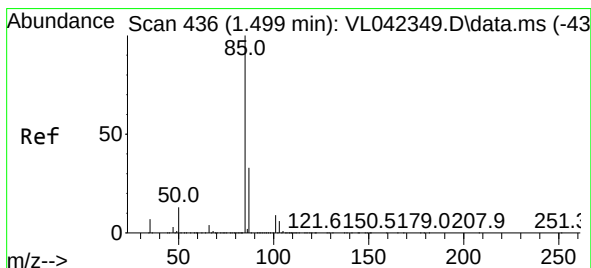
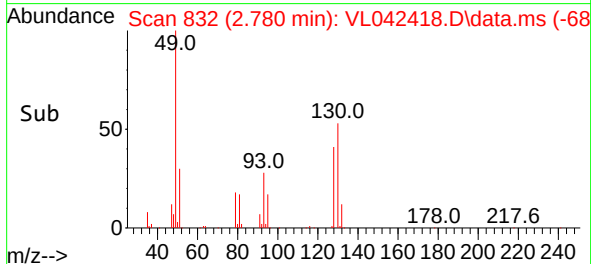
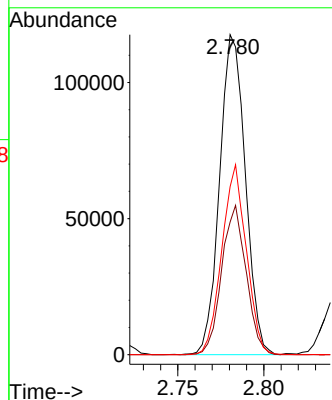
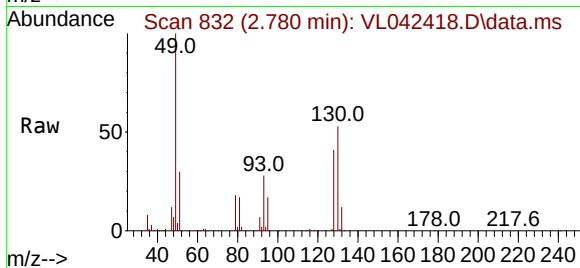




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

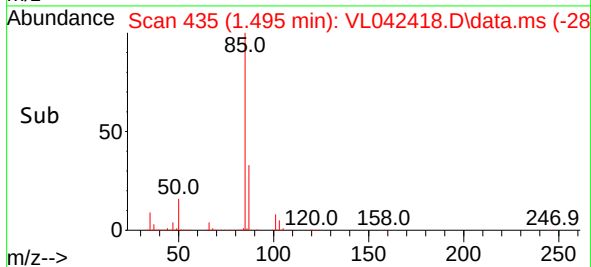
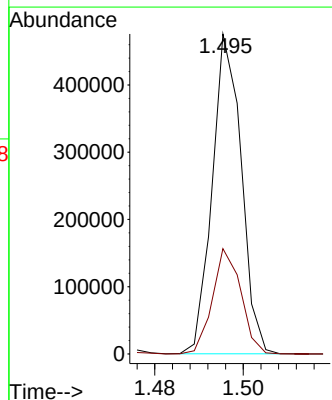
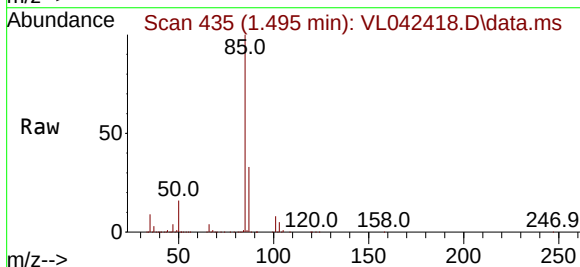
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

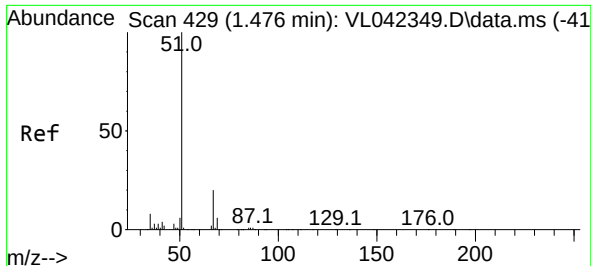
Tgt Ion: 49 Resp: 122448
Ion Ratio Lower Upper
49 100
128 44.3 22.8 68.4
130 56.4 29.3 88.0



#2
Dichlorodifluoromethane
Concen: 10.025 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 85 Resp: 216893
Ion Ratio Lower Upper
85 100
87 32.9 26.6 39.8

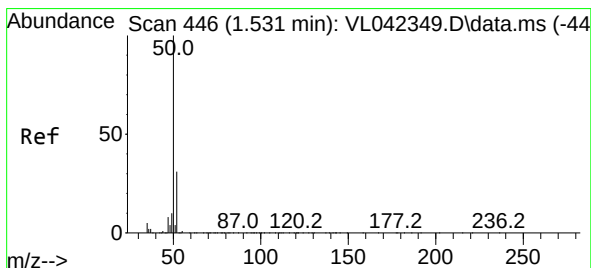
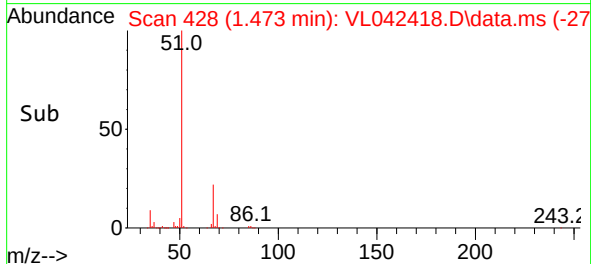
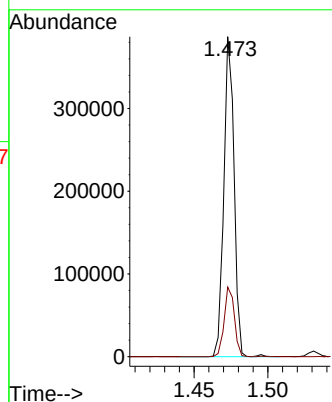
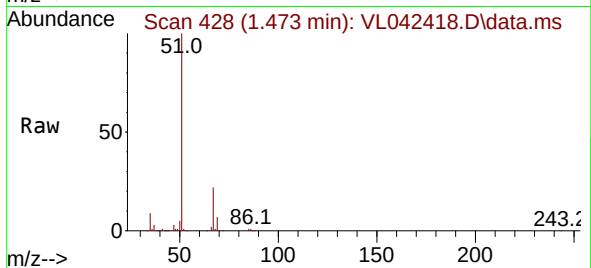




#3
Chlorodifluoromethane
Concen: 9.117 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

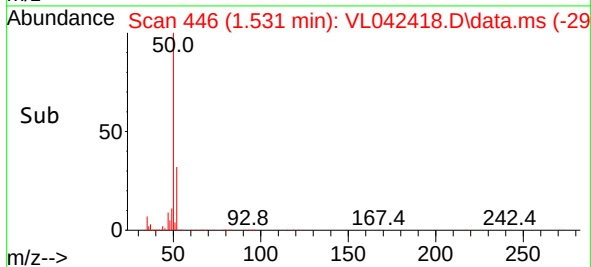
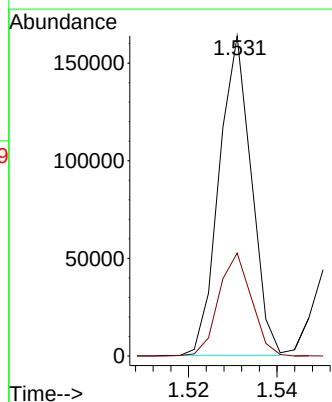
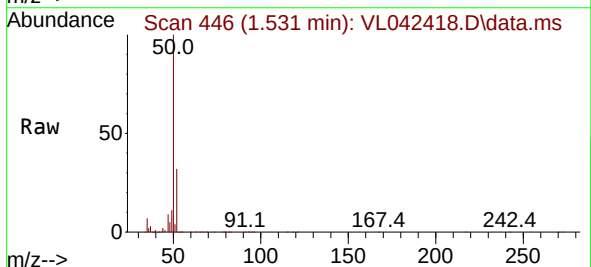
Instrument :
MSVOA_1
ClientSampleId :
VL0428ABS01

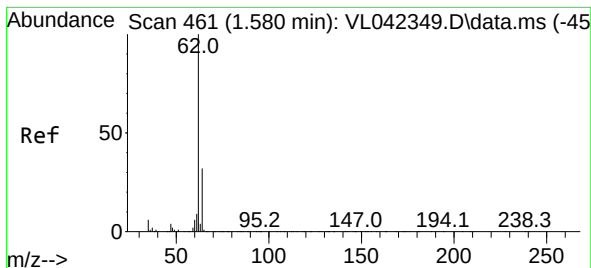
Tgt Ion: 51 Resp: 187830
Ion Ratio Lower Upper
51 100
67 21.8 16.2 24.4



#4
Chloromethane
Concen: 9.692 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 50 Resp: 82976
Ion Ratio Lower Upper
50 100
52 32.0 24.7 37.1





#5

Vinyl Chloride

Concen: 8.746 ppbv

RT: 1.576 min Scan# 4

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

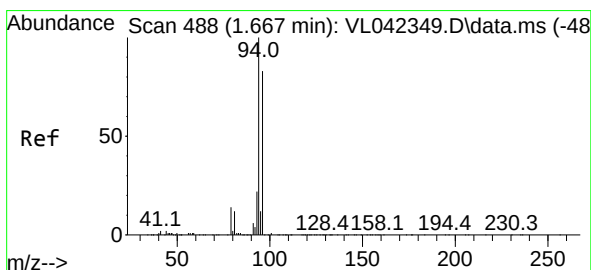
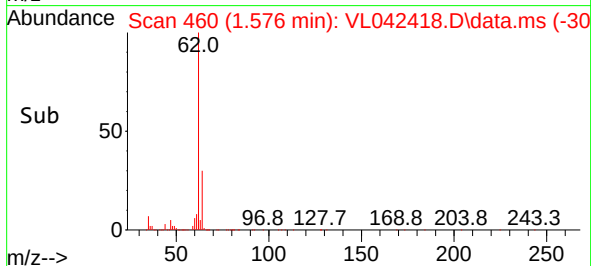
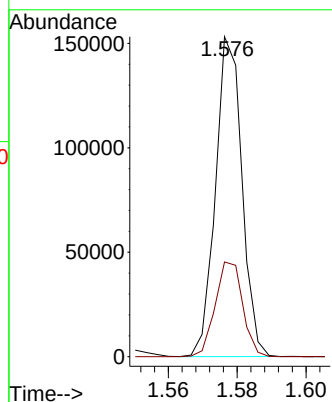
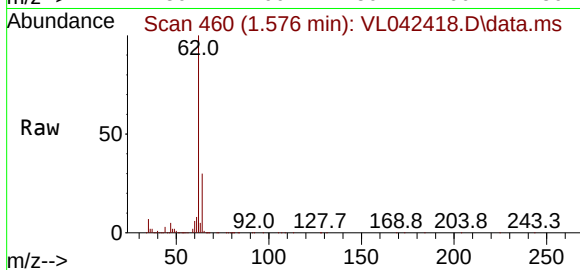
VL0428ABS01

Tgt Ion: 62 Resp: 81506

Ion Ratio Lower Upper

62 100

64 29.6 25.4 38.0



#6

Bromomethane

Concen: 9.379 ppbv

RT: 1.664 min Scan# 487

Delta R.T. -0.003 min

Lab File: VL042418.D

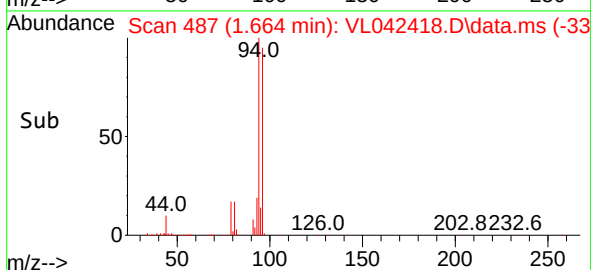
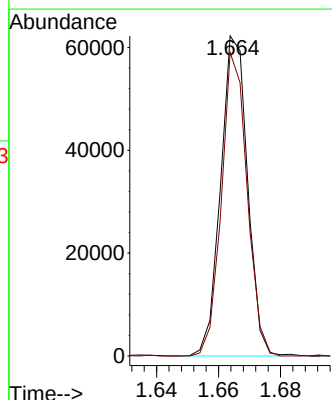
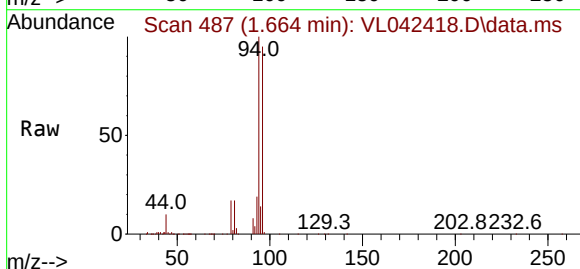
Acq: 28 Apr 2025 10:10

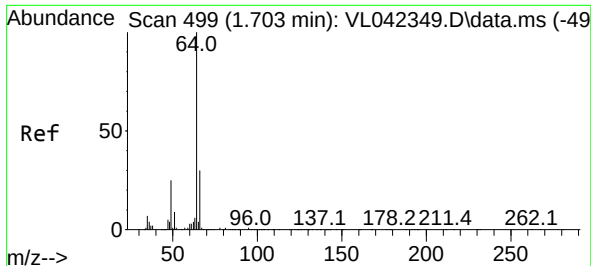
Tgt Ion: 94 Resp: 37549

Ion Ratio Lower Upper

94 100

96 94.8 66.2 99.2

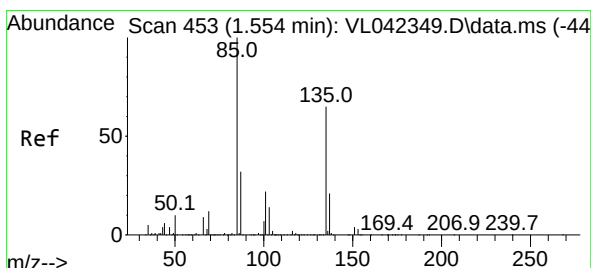
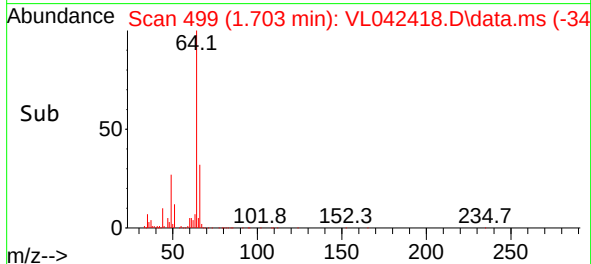
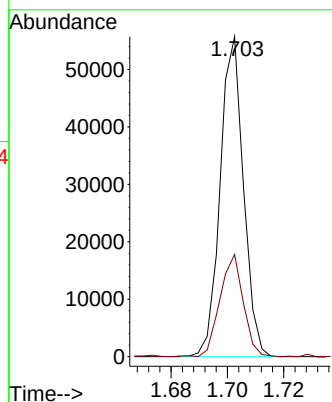
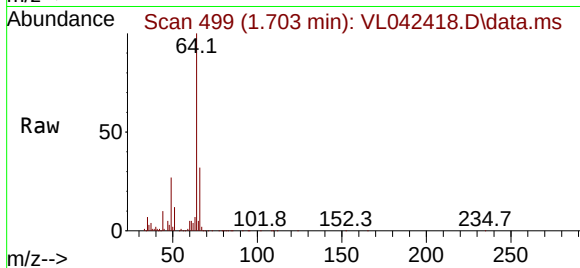




#7
Chloroethane
Concen: 9.472 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

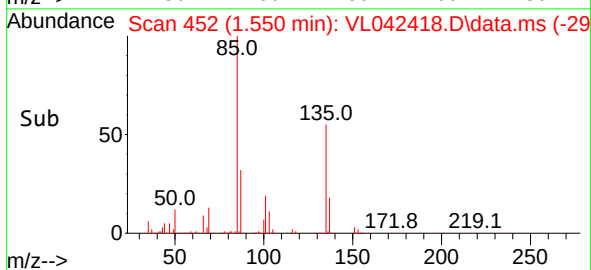
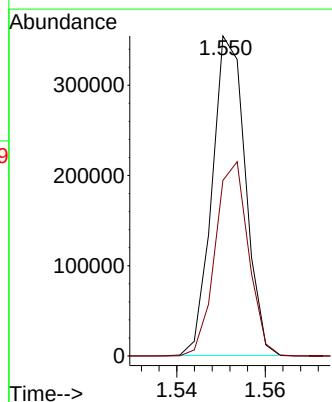
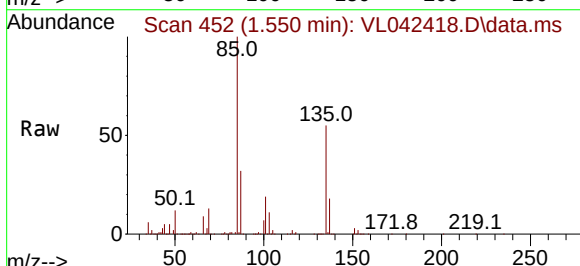
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

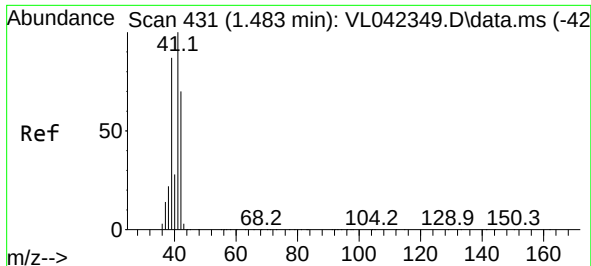
Tgt Ion: 64 Resp: 31924
Ion Ratio Lower Upper
64 100
66 31.9 24.6 37.0



#8
Dichlorotetrafluoroethane
Concen: 9.952 ppbv
RT: 1.550 min Scan# 452
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 85 Resp: 184850
Ion Ratio Lower Upper
85 100
135 60.9 52.2 78.2





#9

Propene

Concen: 7.992 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

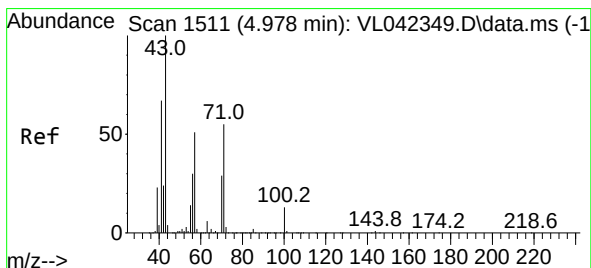
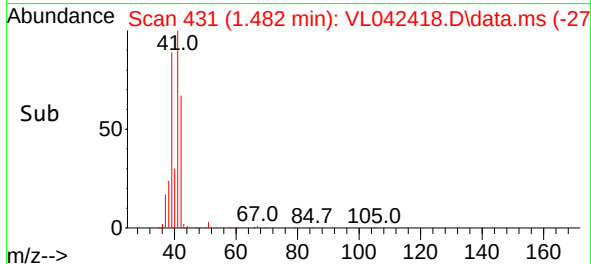
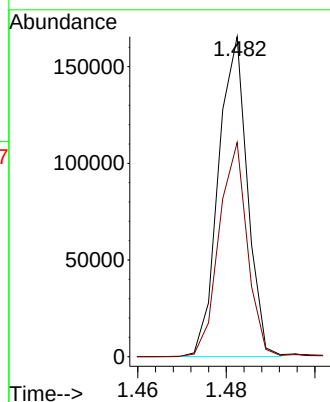
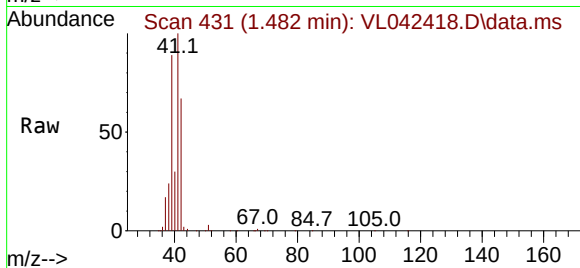
VL0428ABS01

Tgt Ion: 41 Resp: 74980

Ion Ratio Lower Upper

41 100

42 66.3 56.2 84.4



#10

Heptane

Concen: 7.565 ppbv

RT: 4.968 min Scan# 1508

Delta R.T. -0.010 min

Lab File: VL042418.D

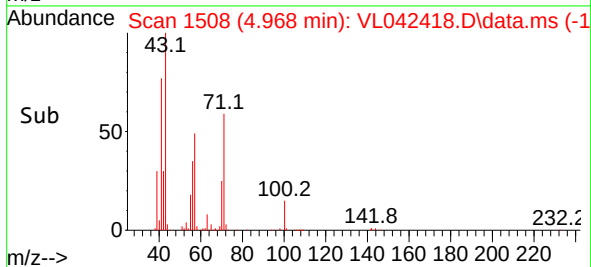
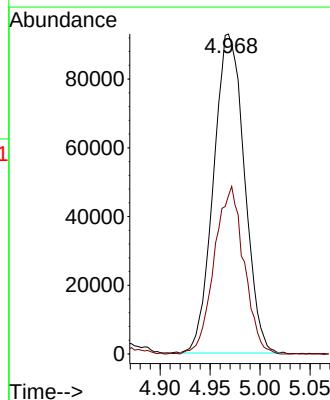
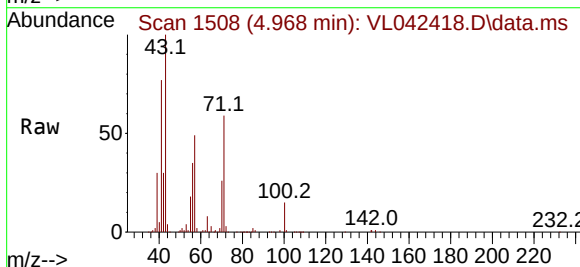
Acq: 28 Apr 2025 10:10

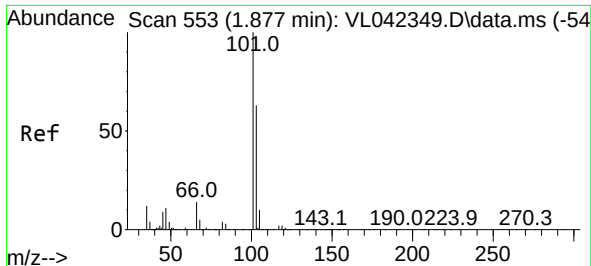
Tgt Ion: 43 Resp: 199403

Ion Ratio Lower Upper

43 100

57 50.6 39.9 59.9

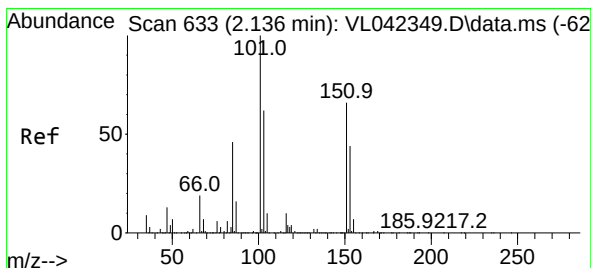
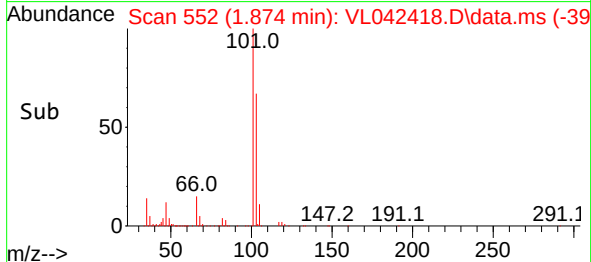
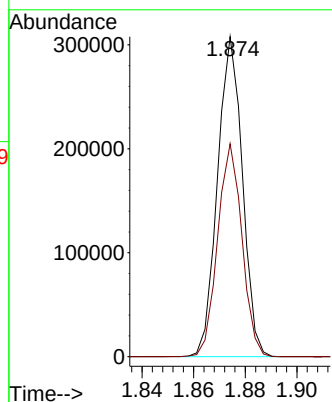
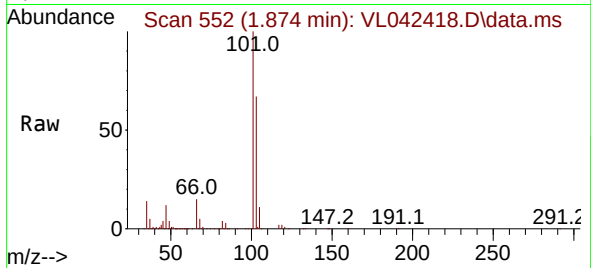




#11
 Trichlorofluoromethane
 Concen: 10.004 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

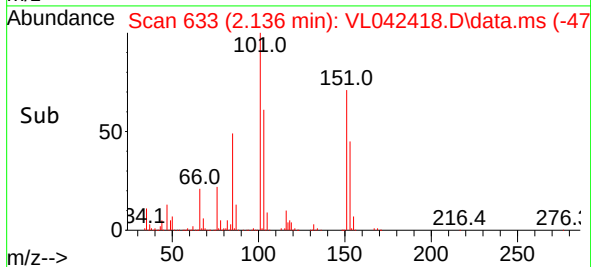
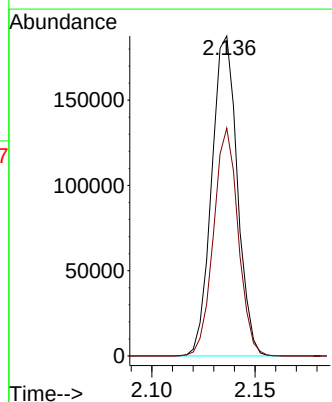
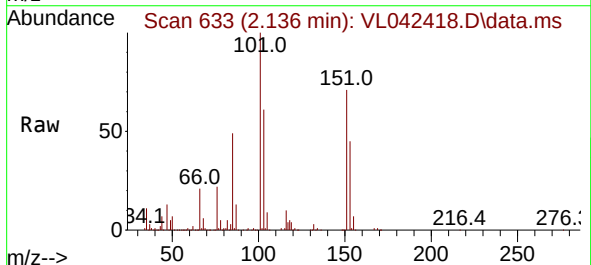
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

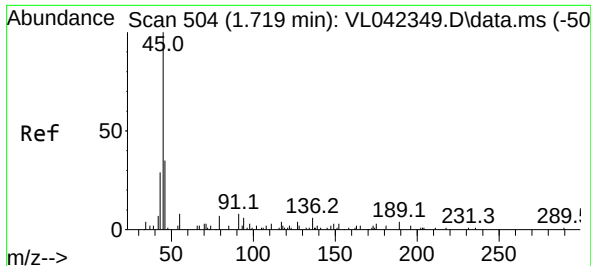
Tgt Ion:101 Resp: 205815
 Ion Ratio Lower Upper
 101 100
 103 66.5 50.1 75.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.619 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

Tgt Ion:101 Resp: 161799
 Ion Ratio Lower Upper
 101 100
 151 68.5 57.0 85.6

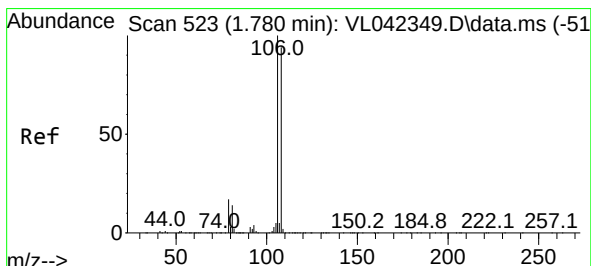
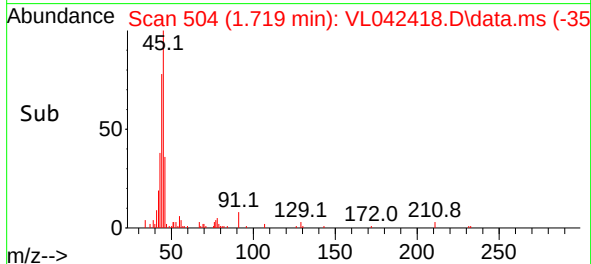
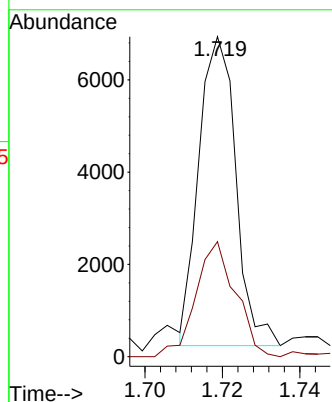
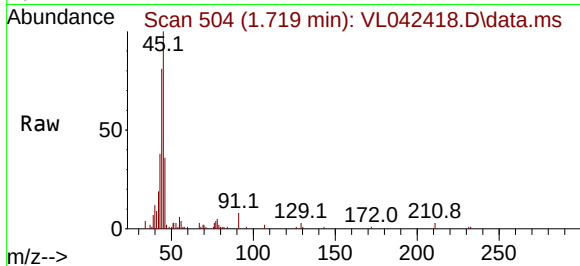




#13
Ethanol
Concen: 2.977 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

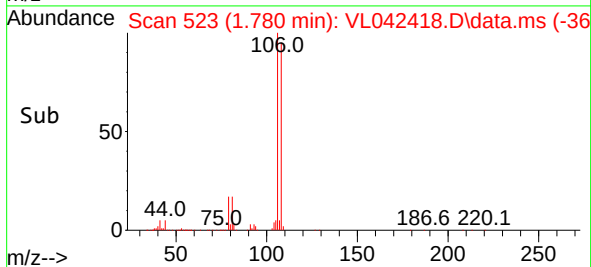
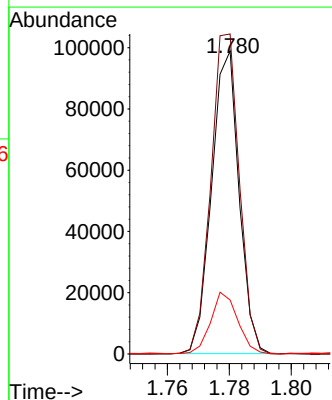
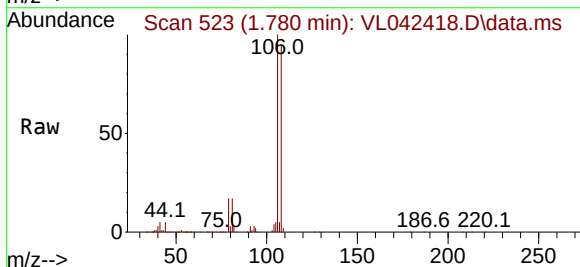
Instrument :
MSVOA_1
ClientSampleId :
VL0428ABS01

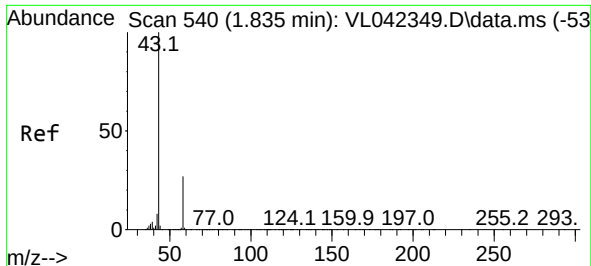
Tgt Ion: 45 Resp: 4439
Ion Ratio Lower Upper
45 100
46 41.4 21.9 87.7



#14
Bromoethene
Concen: 9.581 ppbv
RT: 1.780 min Scan# 523
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 108 Resp: 60748
Ion Ratio Lower Upper
108 100
106 110.0 85.9 128.9
79 20.2 13.9 20.9

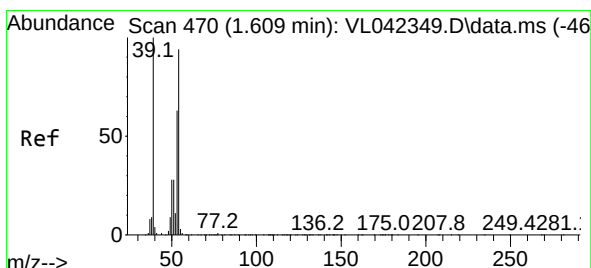
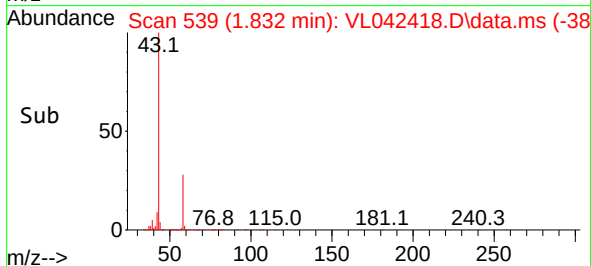
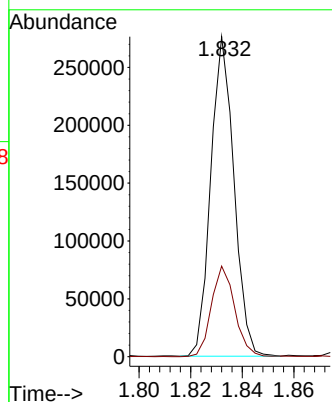
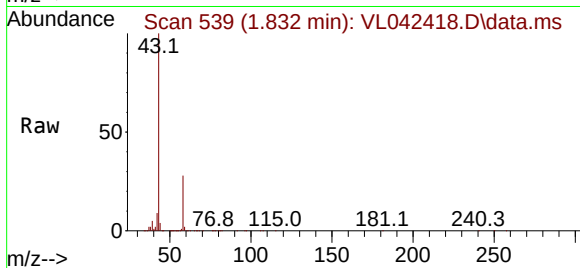




#15
Acetone
Concen: 8.613 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

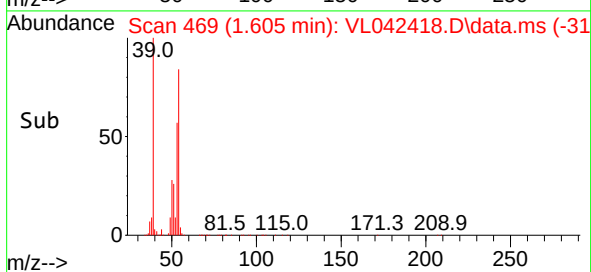
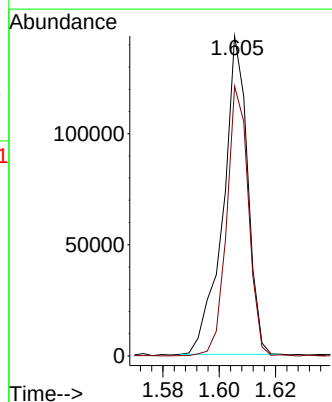
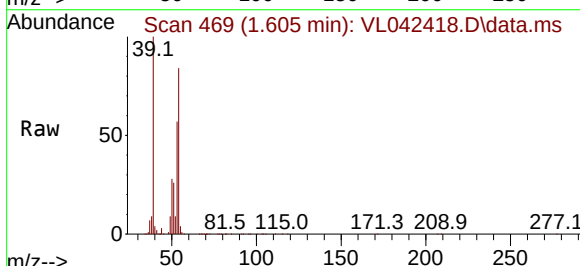
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

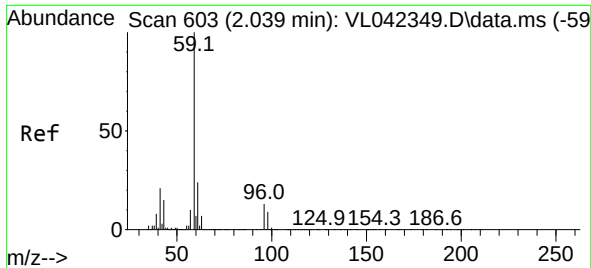
Tgt Ion: 43 Resp: 172651
Ion Ratio Lower Upper
43 100
58 28.8 22.4 33.6



#16
1,3-Butadiene
Concen: 9.028 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 39 Resp: 86553
Ion Ratio Lower Upper
39 100
54 75.3 64.9 97.3





#17

tert-Butyl alcohol

Concen: 8.899 ppbv

RT: 2.036 min Scan# 603

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

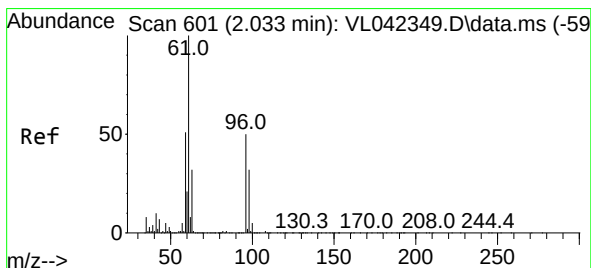
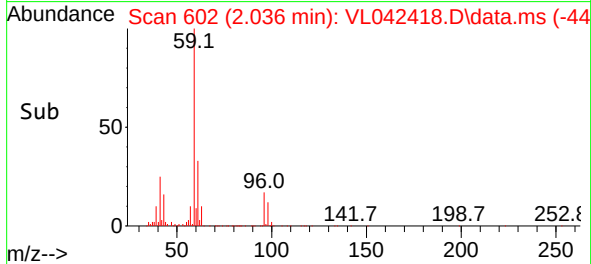
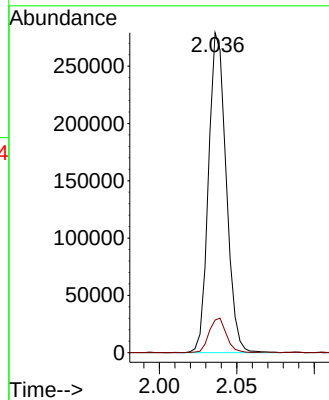
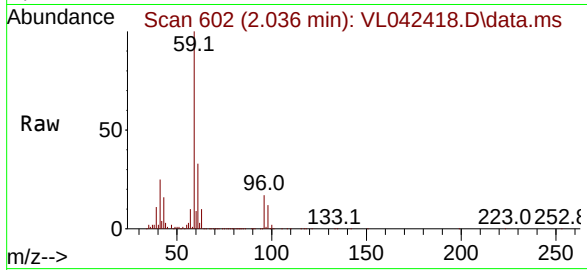
VL0428ABS01

Tgt Ion: 59 Resp: 221069

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.225 ppbv

RT: 2.029 min Scan# 600

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

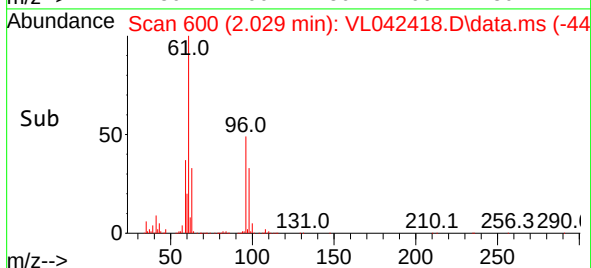
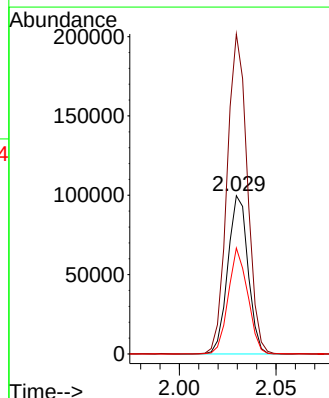
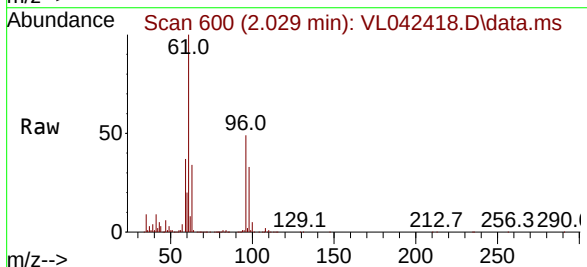
Tgt Ion: 96 Resp: 72496

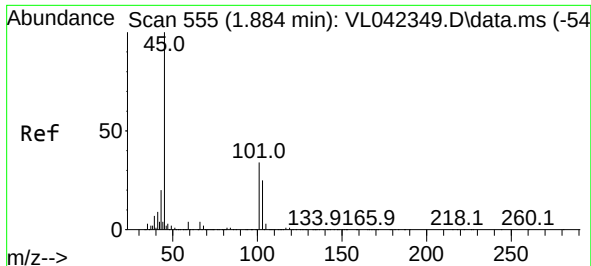
Ion Ratio Lower Upper

96 100

61 202.1 160.2 240.2

98 66.9 51.0 76.4

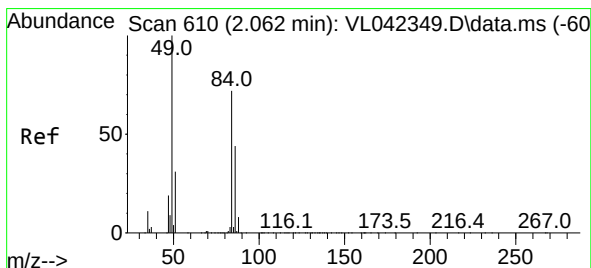
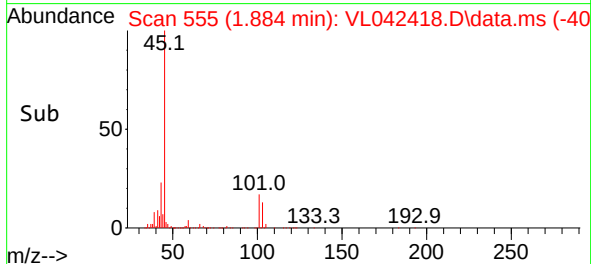
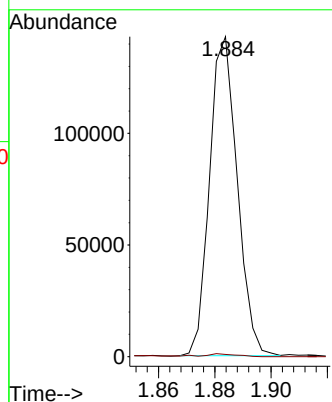
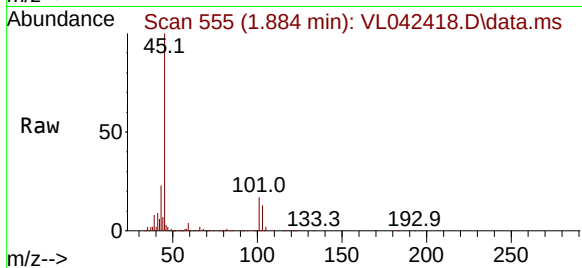




#19
Isopropyl Alcohol
Concen: 8.758 ppbv
RT: 1.884 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

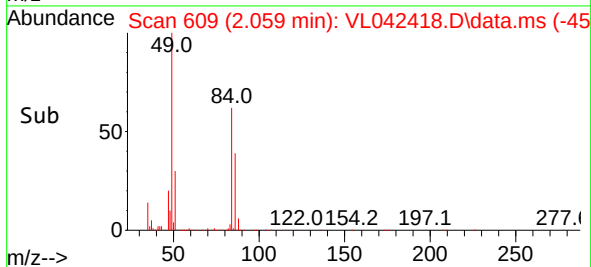
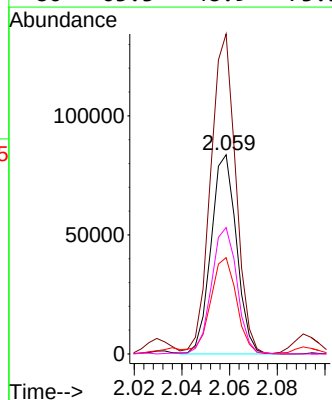
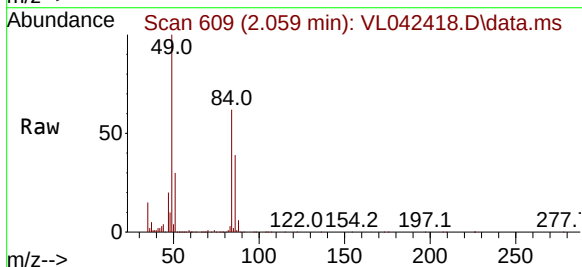
Instrument :
MSVOA_1
ClientSampleId :
VL0428ABS01

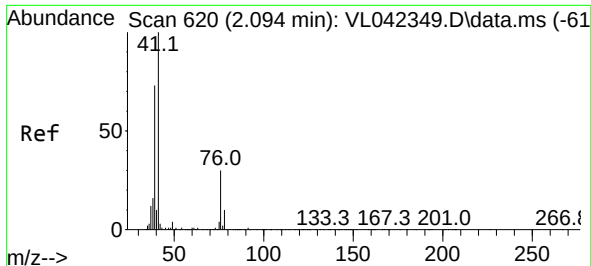
Tgt Ion: 45 Resp: 97525
Ion Ratio Lower Upper
45 100
58 51.0 34.5 51.7



#20
Methylene Chloride
Concen: 7.920 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 84 Resp: 62175
Ion Ratio Lower Upper
84 100
49 159.9 111.6 167.4
51 47.8 35.1 52.7
86 63.3 48.9 73.3





#21

Allyl Chloride

Concen: 8.964 ppbv

RT: 2.091 min Scan# 619

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

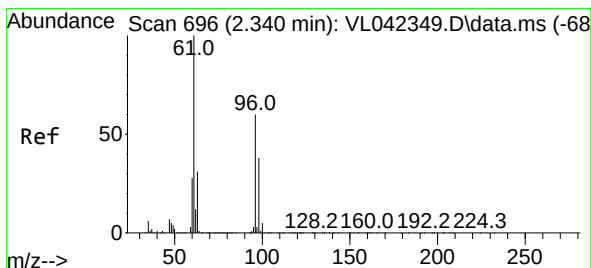
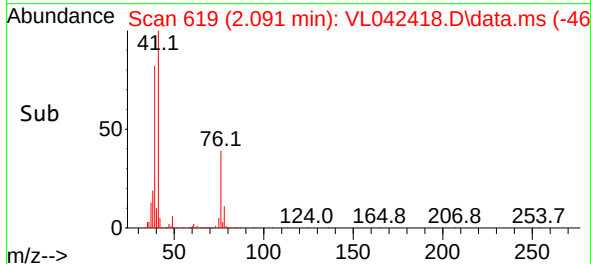
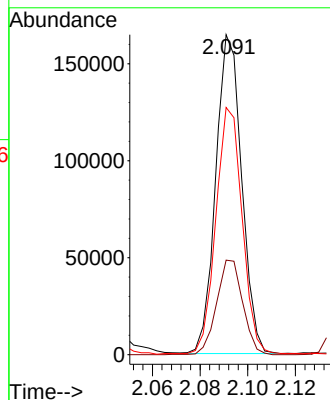
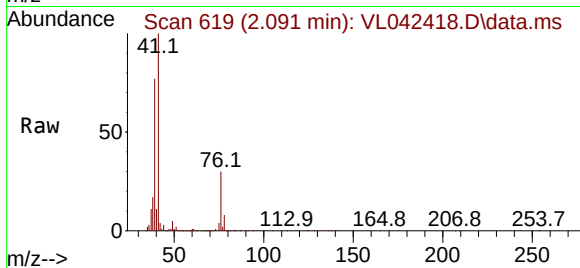
Tgt Ion: 41 Resp: 124058

Ion Ratio Lower Upper

41 100

76 29.9 24.8 37.2

39 78.6 60.6 90.8



#22

trans-1,2-Dichloroethene

Concen: 9.184 ppbv

RT: 2.337 min Scan# 695

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

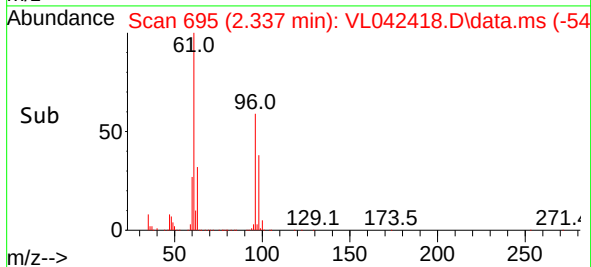
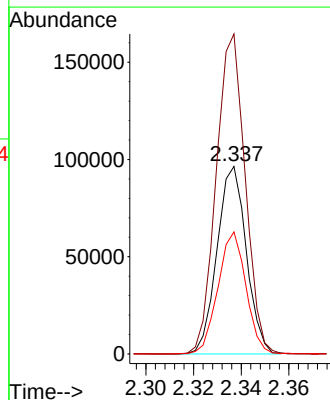
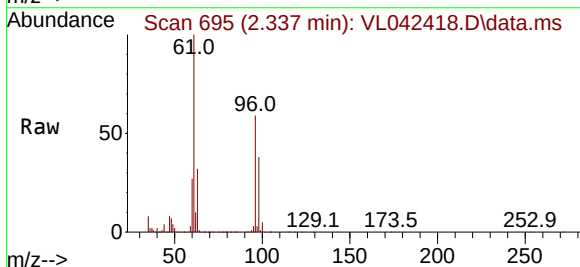
Tgt Ion: 96 Resp: 82175

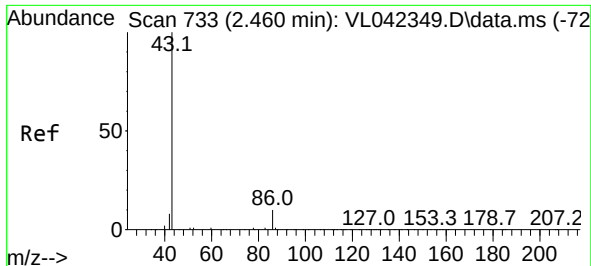
Ion Ratio Lower Upper

96 100

61 170.5 133.7 200.5

98 65.0 50.3 75.5

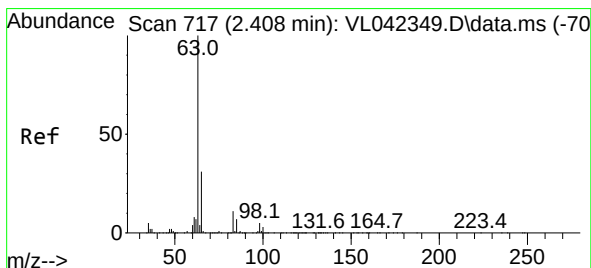
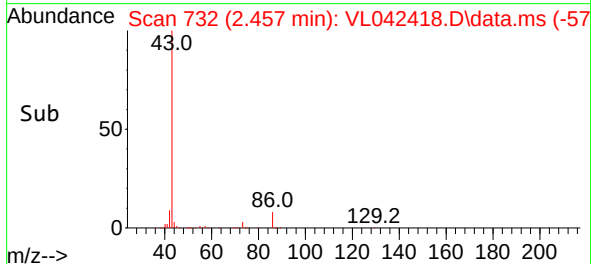
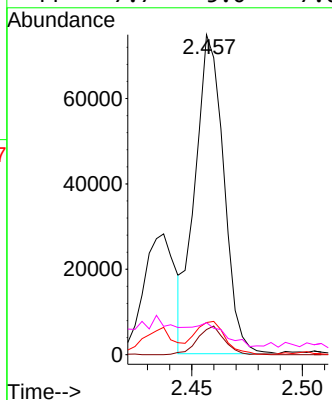
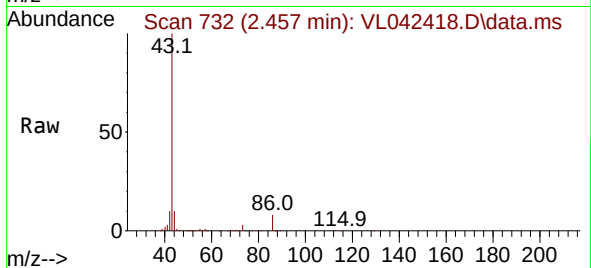




#23
 Vinyl Acetate
 Concen: 8.283 ppbv
 RT: 2.457 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

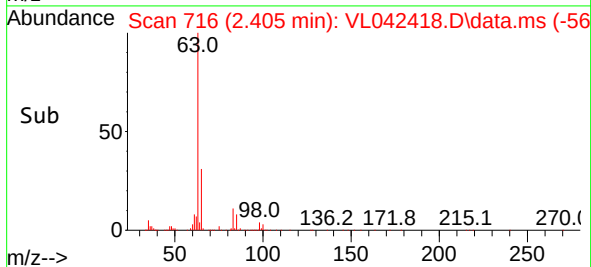
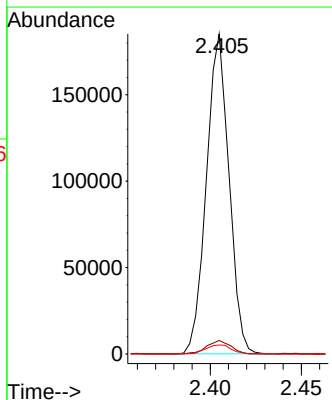
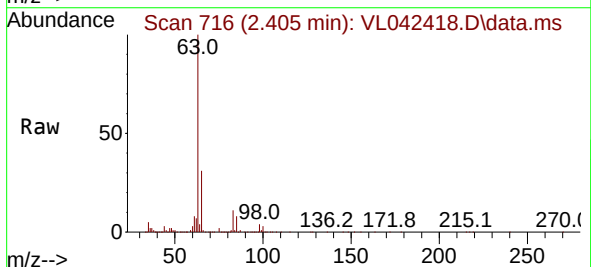
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

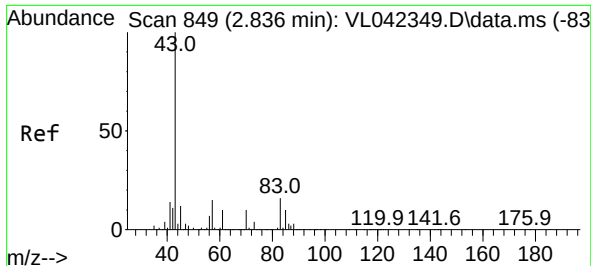
Tgt Ion:	43	Resp:	67206
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.5	9.7
42	9.8	7.8	11.8
44	7.7	5.0	7.6



#24
 1,1-Dichloroethane
 Concen: 9.393 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

Tgt Ion:	63	Resp:	159644
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.8
100	2.8	1.6	4.8



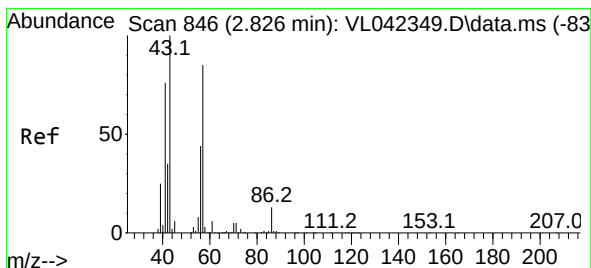
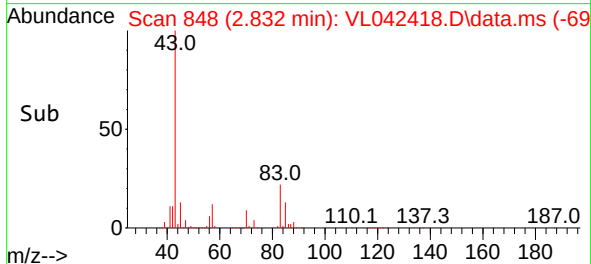
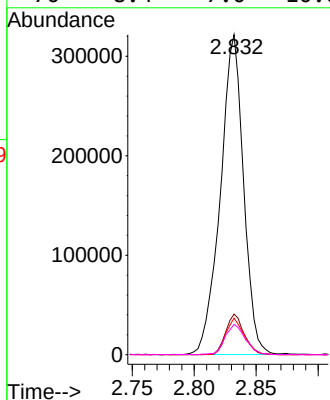
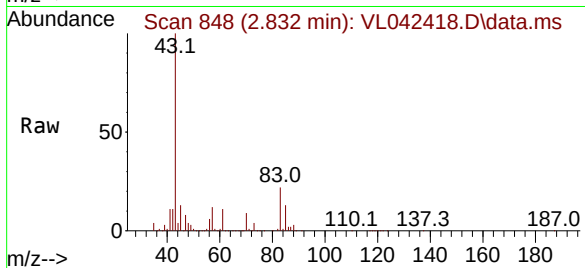


#25
Ethyl Acetate
Concen: 8.485 ppbv
RT: 2.832 min Scan# 844
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

Tgt Ion: 43 Resp: 419372

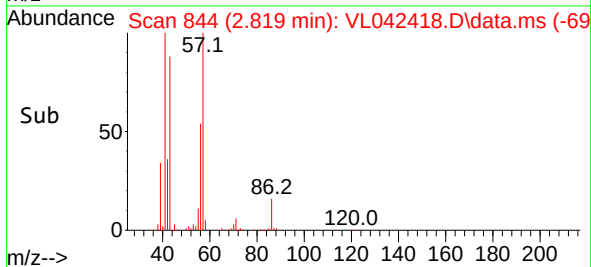
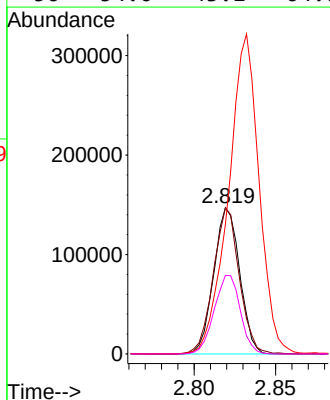
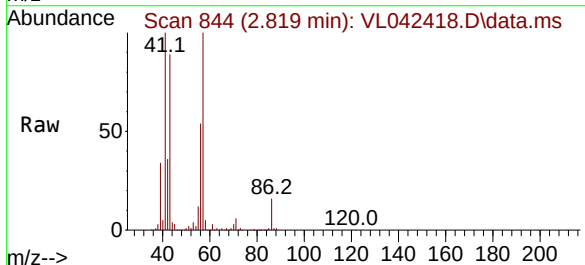
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.1	7.3	10.9
70	8.4	7.0	10.6

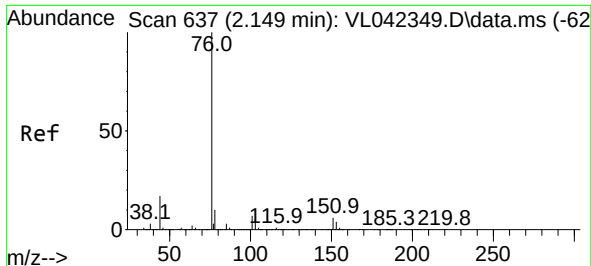


#26
Hexane
Concen: 8.112 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 57 Resp: 162255

Ion	Ratio	Lower	Upper
57	100		
41	100.5	77.9	116.9
43	258.8	208.4	312.6
56	54.0	43.1	64.7

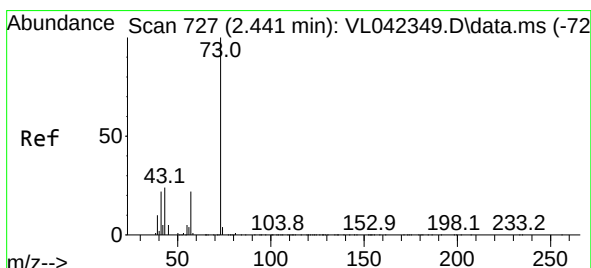
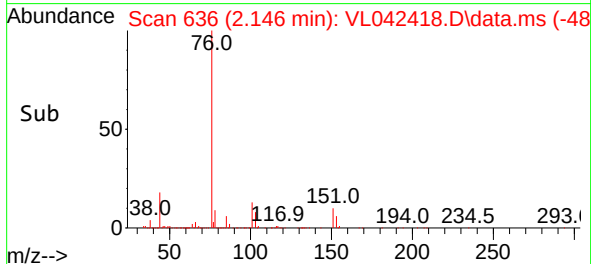
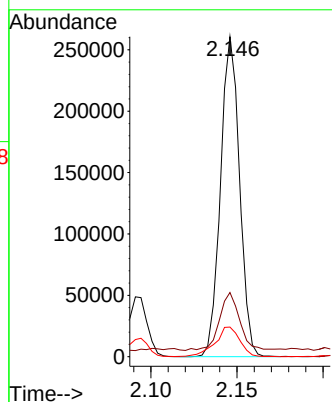
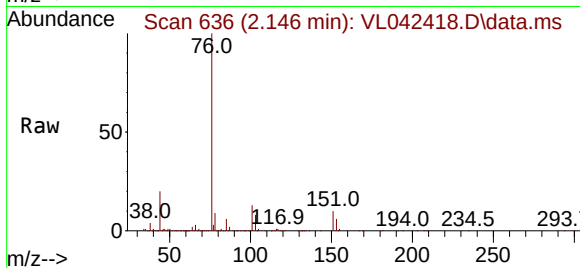




#27
Carbon Disulfide
Concen: 9.377 ppbv
RT: 2.146 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

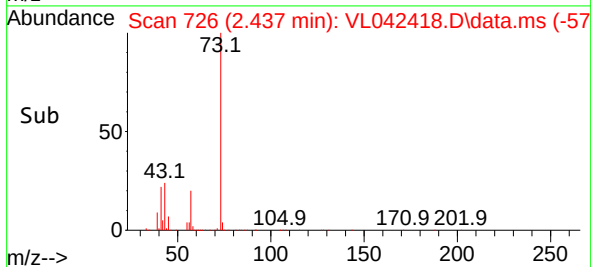
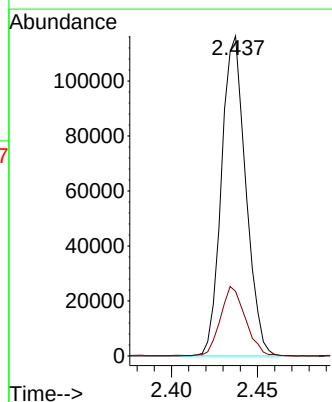
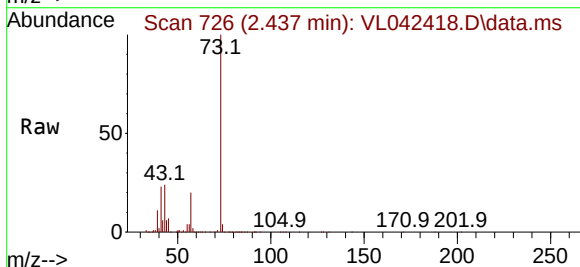
Instrument :
MSVOA_1
ClientSampleId :
VL0428ABS01

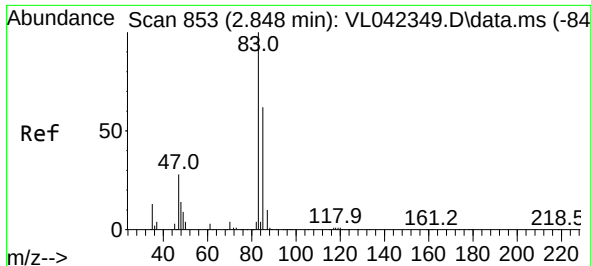
Tgt Ion: 76 Resp: 200806
Ion Ratio Lower Upper
76 100
44 21.3 15.5 23.3
78 12.0 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 8.718 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 73 Resp: 114239
Ion Ratio Lower Upper
73 100
57 22.6 21.3 31.9





#29

Chloroform

Concen: 9.751 ppbv

RT: 2.842 min Scan# 81

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

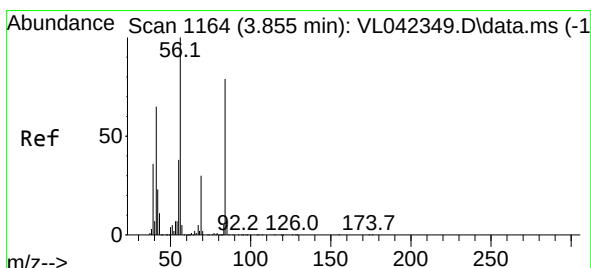
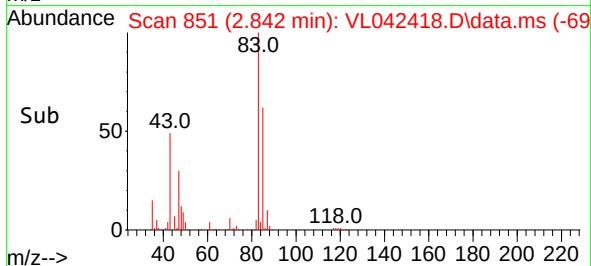
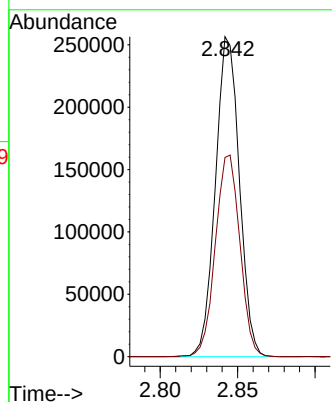
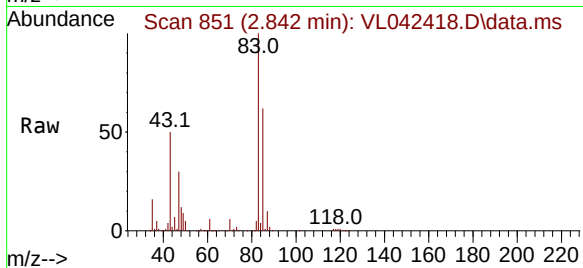
VL0428ABS01

Tgt Ion: 83 Resp: 275655

Ion Ratio Lower Upper

83 100

85 62.3 50.0 75.0



#30

Cyclohexane

Concen: 8.583 ppbv

RT: 3.848 min Scan# 1162

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

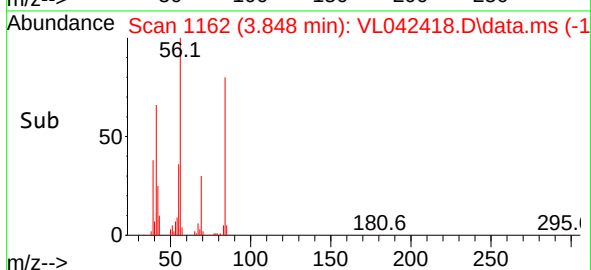
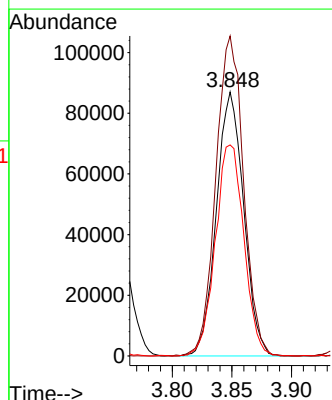
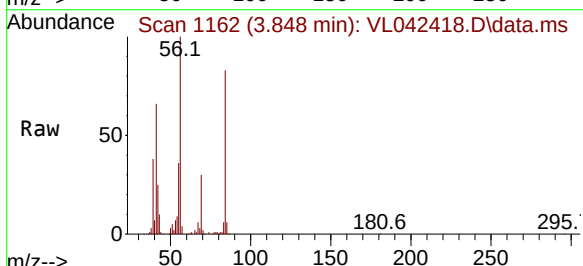
Tgt Ion: 84 Resp: 138766

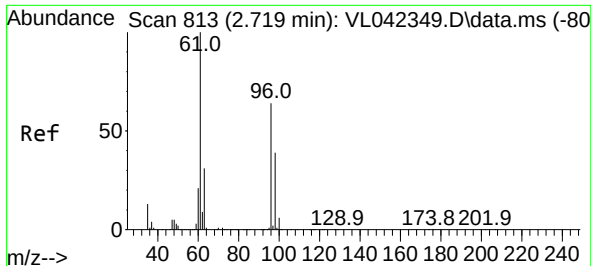
Ion Ratio Lower Upper

84 100

56 122.9 101.0 151.4

41 83.5 67.4 101.0

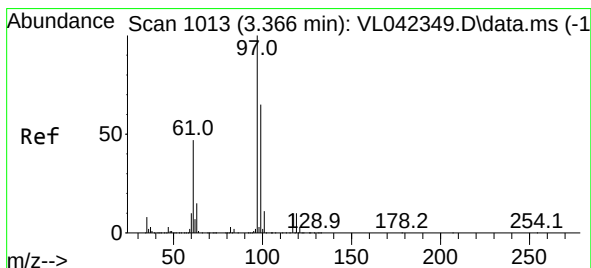
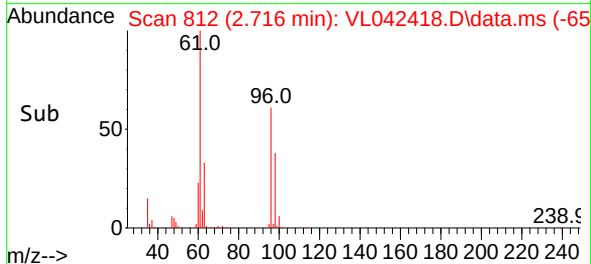
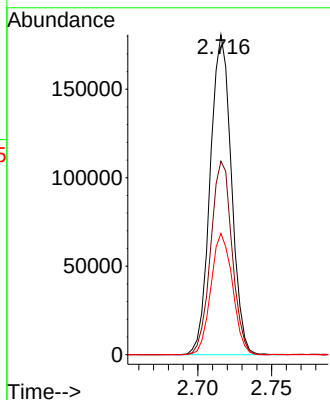
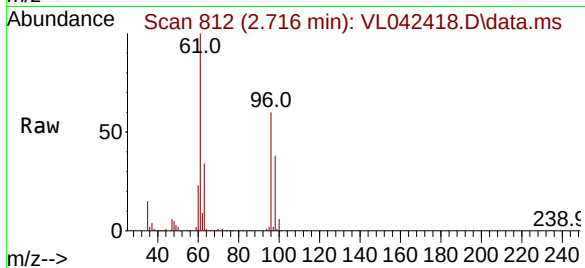




#31
 cis-1,2-Dichloroethene
 Concen: 9.464 ppbv
 RT: 2.716 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

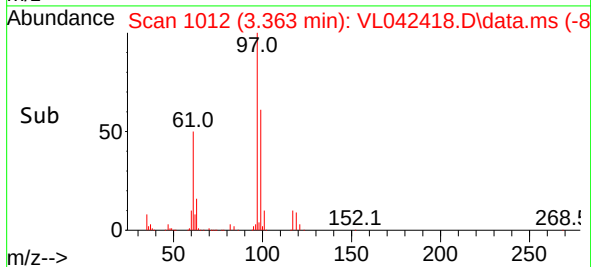
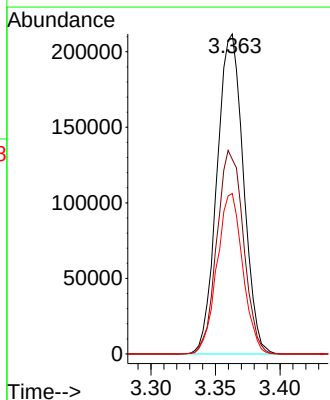
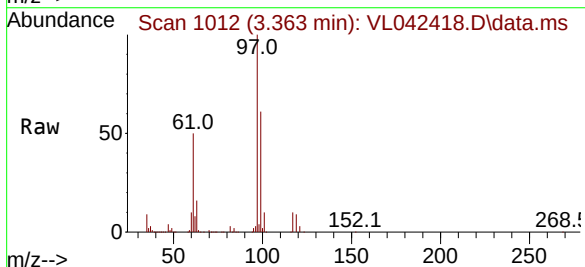
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0428ABS01

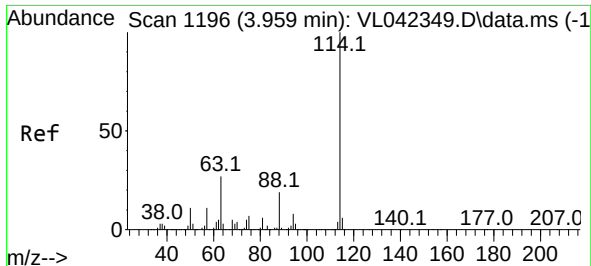
Tgt Ion: 61 Resp: 179960
 Ion Ratio Lower Upper
 61 100
 96 60.5 50.8 76.2
 98 37.9 30.9 46.3



#32
 1,1,1-Trichloroethane
 Concen: 9.469 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.003 min
 Lab File: VL042418.D
 Acq: 28 Apr 2025 10:10

Tgt Ion: 97 Resp: 301358
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.0 76.4
 61 48.9 38.8 58.2

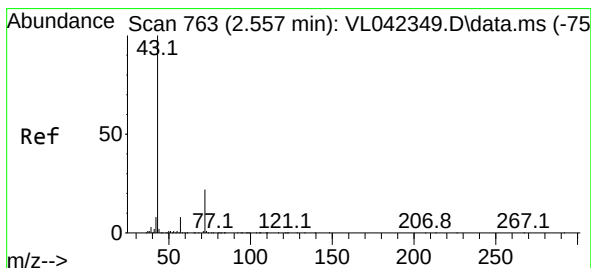
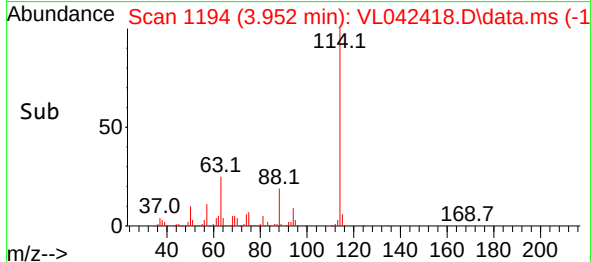
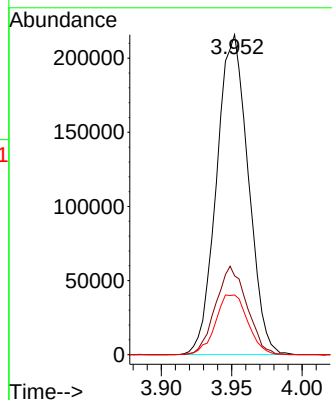
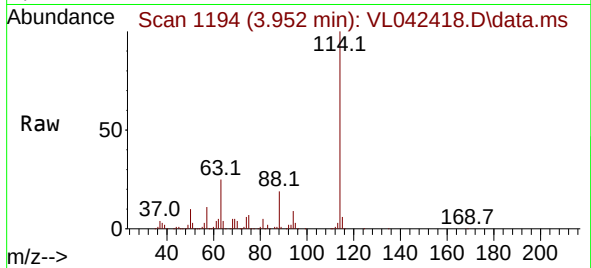




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

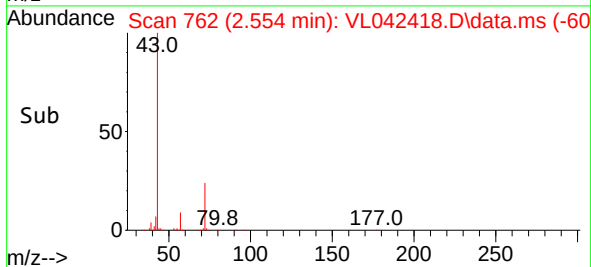
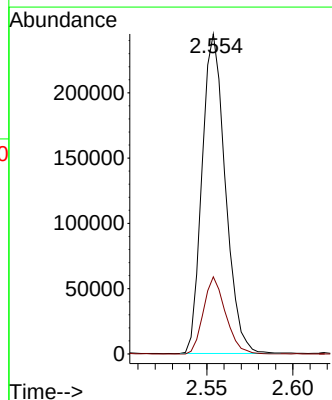
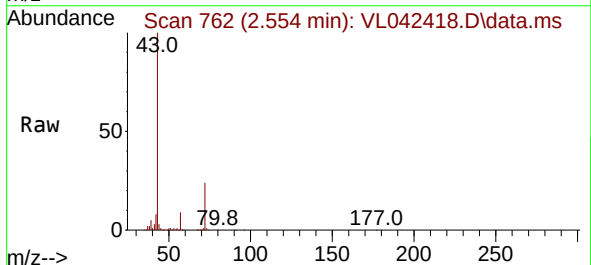
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

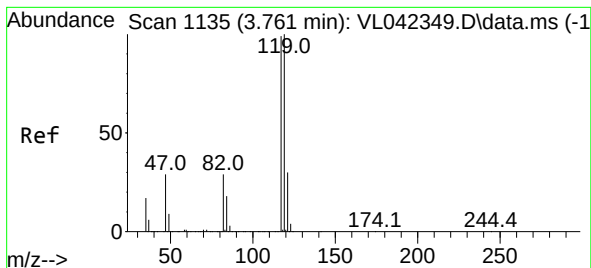
Tgt Ion:114 Resp: 337202
Ion Ratio Lower Upper
114 100
63 27.4 21.8 32.6
88 19.2 15.5 23.3



#34
2-Butanone
Concen: 8.628 ppbv
RT: 2.554 min Scan# 762
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 43 Resp: 230104
Ion Ratio Lower Upper
43 100
72 23.0 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.906 ppbv

RT: 3.755 min Scan# 1135

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

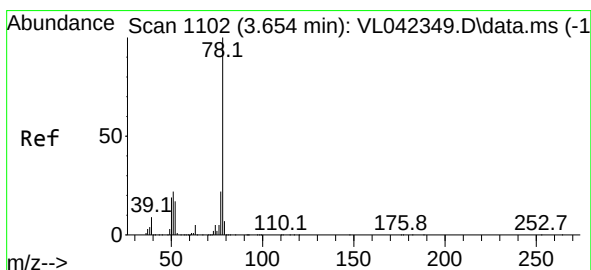
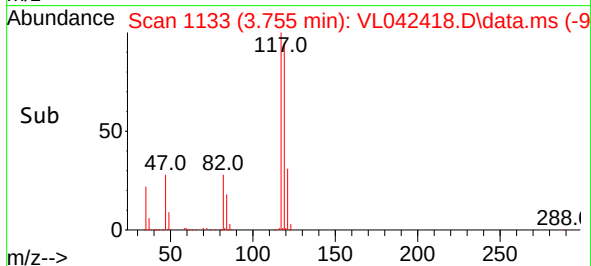
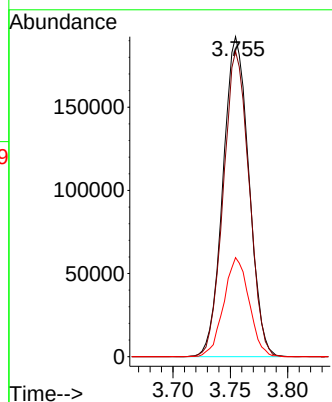
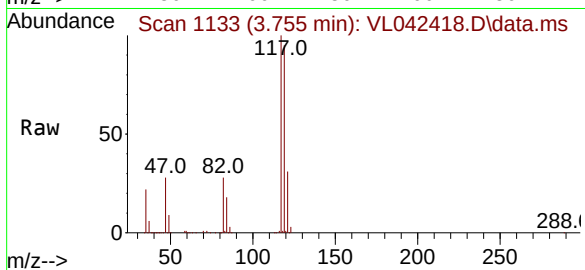
Tgt Ion:117 Resp: 302298

Ion Ratio Lower Upper

117 100

119 95.4 80.5 120.7

121 30.9 24.2 36.2



#36

Benzene

Concen: 9.049 ppbv

RT: 3.648 min Scan# 1100

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

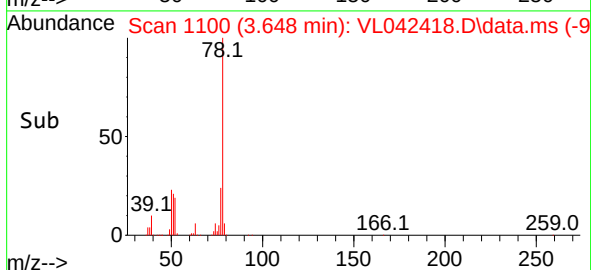
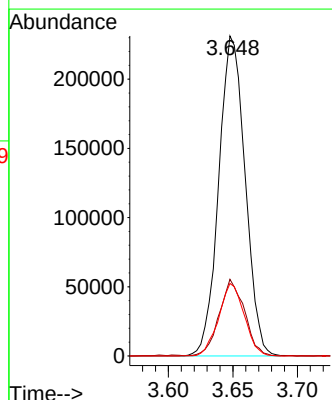
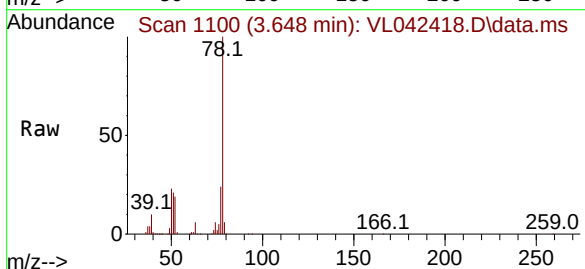
Tgt Ion: 78 Resp: 329117

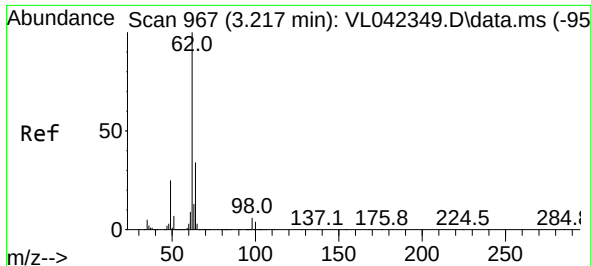
Ion Ratio Lower Upper

78 100

77 23.8 17.4 26.0

50 22.7 15.5 23.3





#37

1,2-Dichloroethane

Concen: 10.641 ppbv

RT: 3.214 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_1

ClientSampleId :

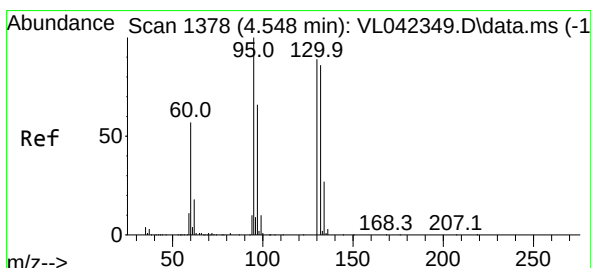
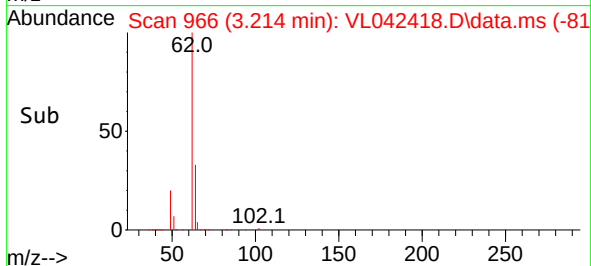
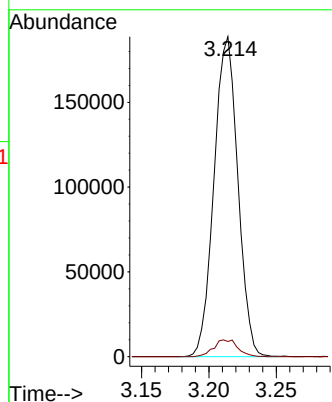
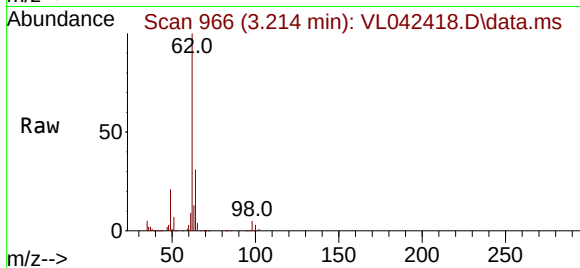
VL0428ABS01

Tgt Ion: 62 Resp: 232279

Ion Ratio Lower Upper

62 100

98 5.4 5.1 7.7



#38

Trichloroethene

Concen: 8.252 ppbv

RT: 4.541 min Scan# 1376

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Tgt Ion:130 Resp: 131178

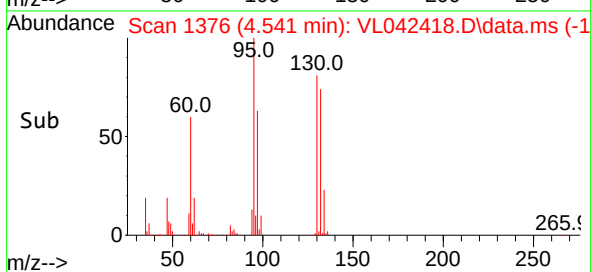
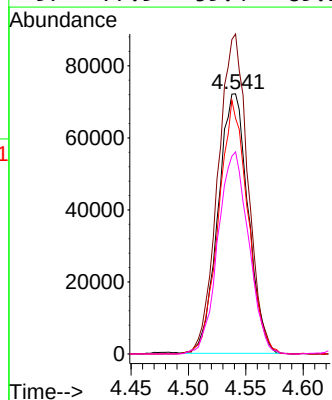
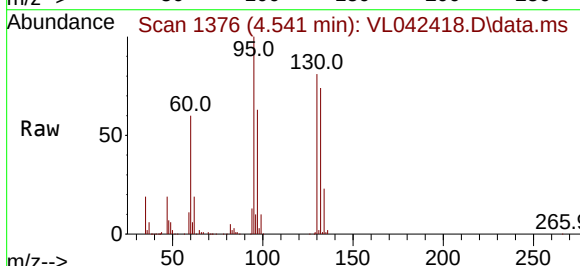
Ion Ratio Lower Upper

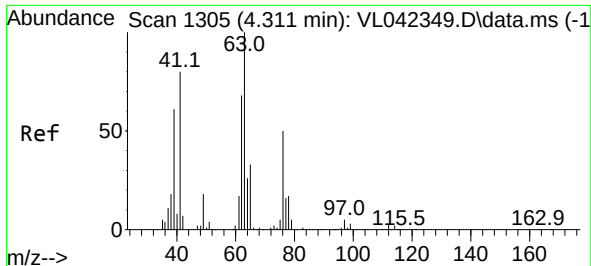
130 100

95 123.1 89.8 134.6

132 90.7 77.7 116.5

97 77.9 59.4 89.2





#39

1,2-Dichloropropane

Concen: 8.831 ppbv

RT: 4.308 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

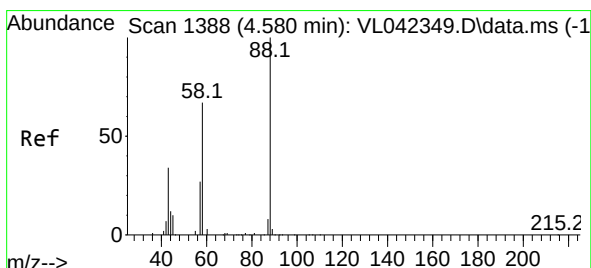
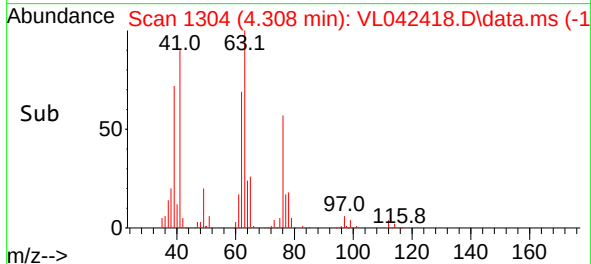
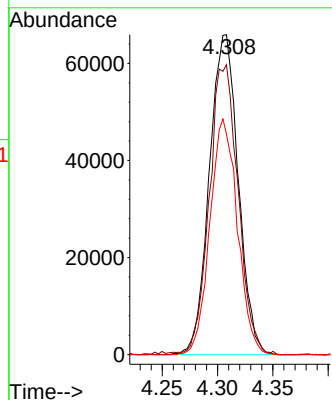
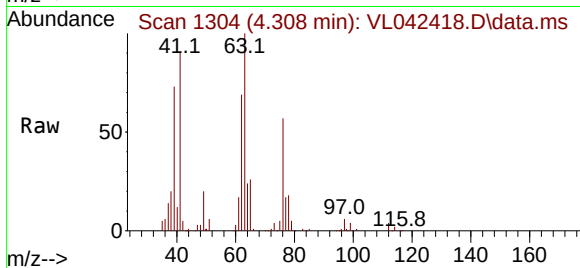
Tgt Ion: 63 Resp: 119692

Ion Ratio Lower Upper

63 100

41 90.6 64.2 96.2

62 69.0 54.3 81.5



#40

1,4-Dioxane

Concen: 8.010 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Tgt Ion: 88 Resp: 59666

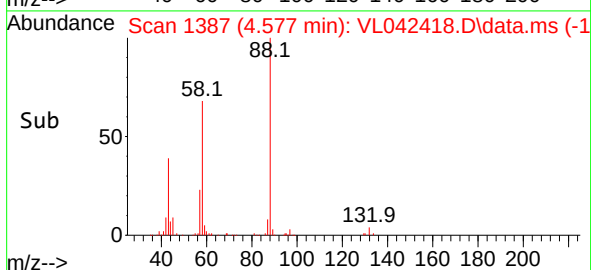
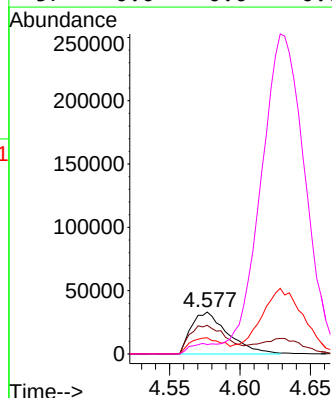
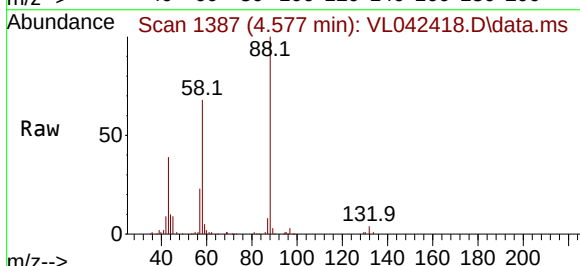
Ion Ratio Lower Upper

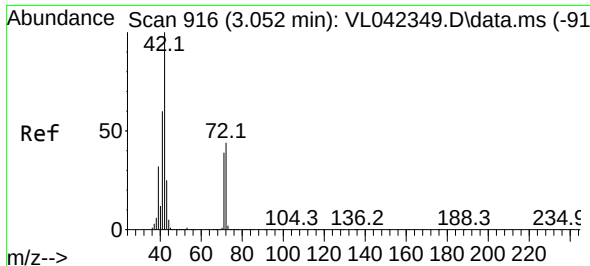
88 100

58 71.2 61.4 92.0

43 37.7 23.2 34.8

57 0.0 0.0 0.0

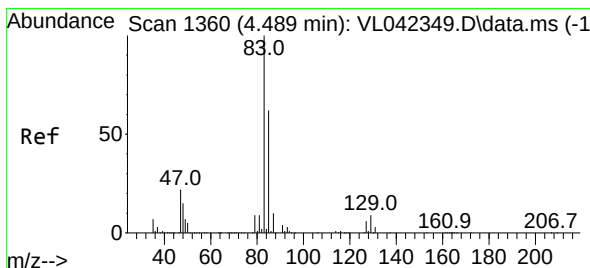
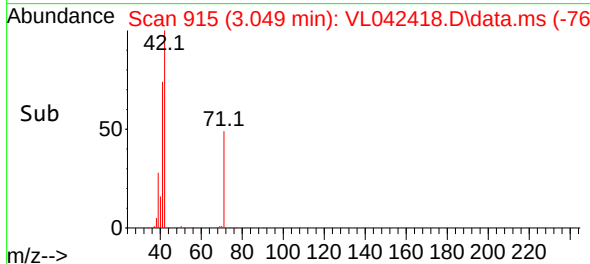
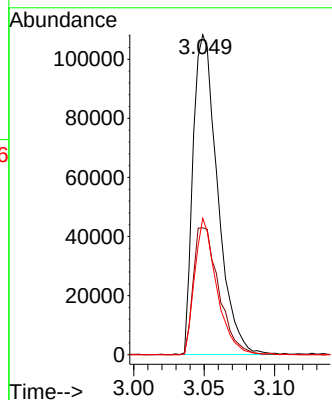
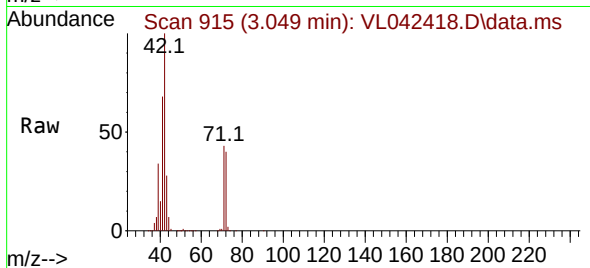




#41
Tetrahydrofuran
Concen: 8.428 ppbv
RT: 3.049 min Scan# 916
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

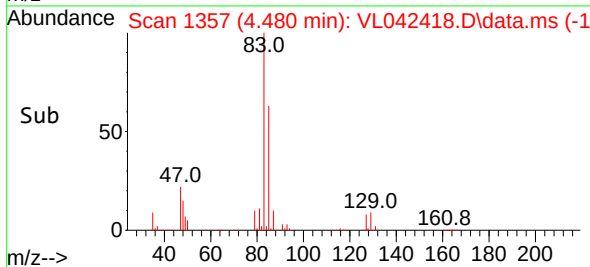
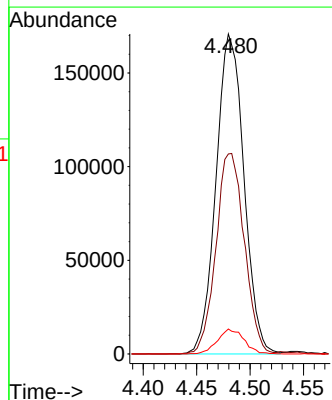
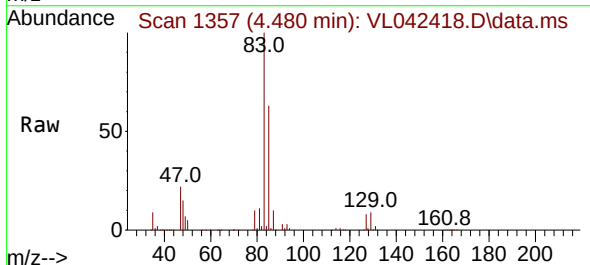
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

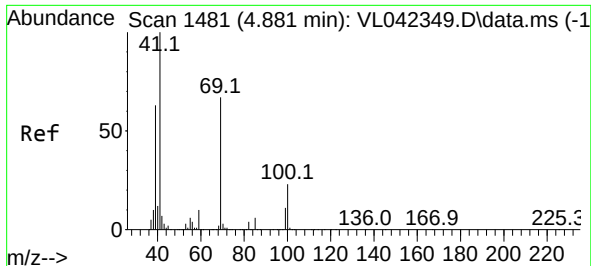
Tgt Ion: 42 Resp: 131046
Ion Ratio Lower Upper
42 100
72 41.4 32.3 48.5
71 38.3 31.4 47.2



#42
Bromodichloromethane
Concen: 10.222 ppbv
RT: 4.480 min Scan# 1357
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 83 Resp: 310553
Ion Ratio Lower Upper
83 100
85 62.5 49.7 74.5
127 7.8 5.1 7.7#

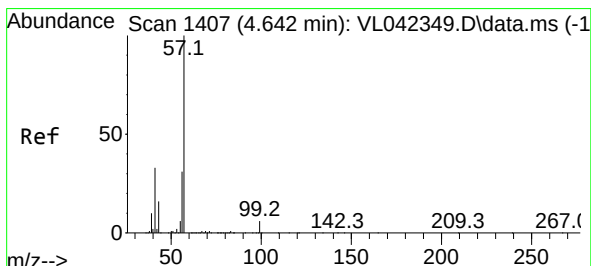
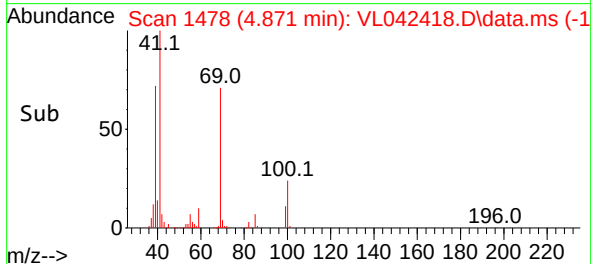
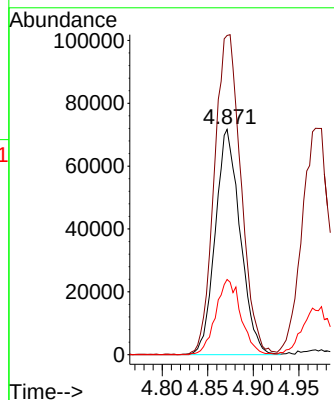
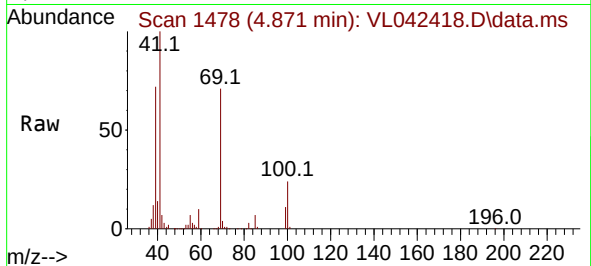




#43
Methyl Methacrylate
Concen: 8.312 ppbv
RT: 4.871 min Scan# 1481
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

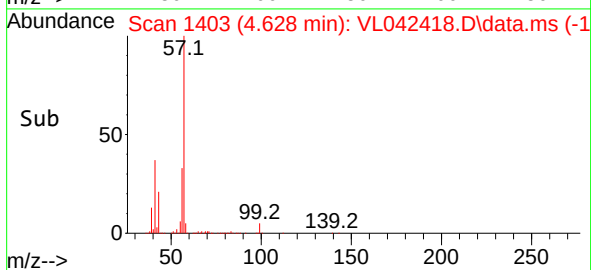
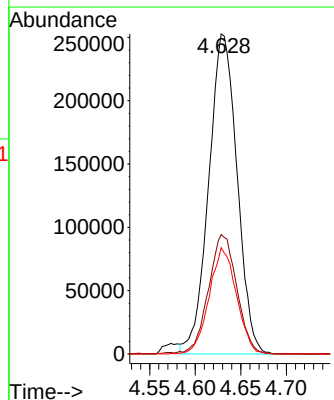
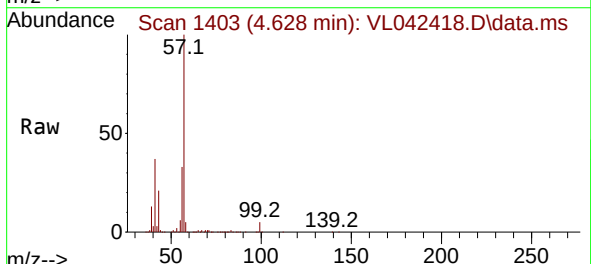
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

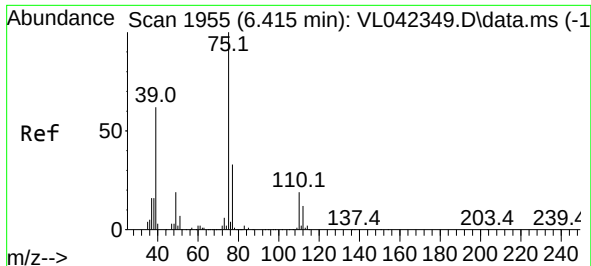
Tgt Ion: 69 Resp: 136249
Ion Ratio Lower Upper
69 100
41 151.8 118.6 177.8
100 33.8 28.2 42.2



#44
2,2,4-Trimethylpentane
Concen: 8.707 ppbv
RT: 4.628 min Scan# 1403
Delta R.T. -0.013 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 57 Resp: 546967
Ion Ratio Lower Upper
57 100
41 37.6 27.2 40.8
56 31.9 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 9.133 ppbv

RT: 6.402 min Scan# 1951

Delta R.T. -0.013 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

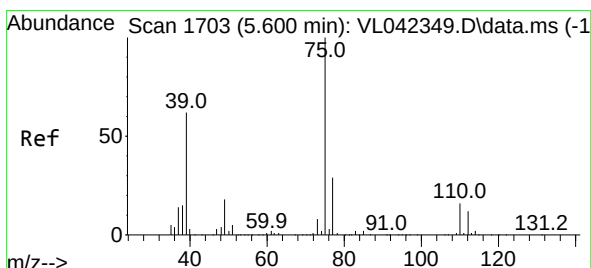
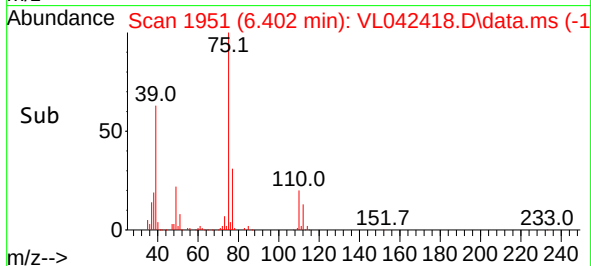
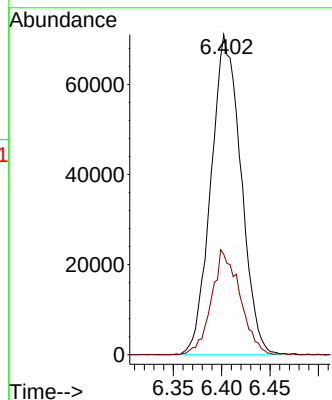
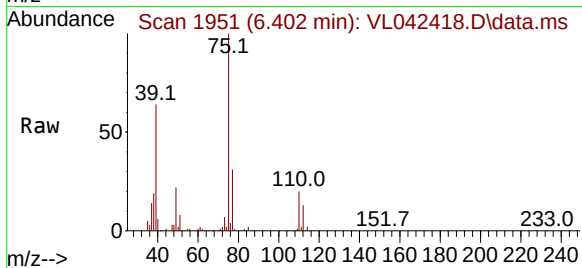
VL0428ABS01

Tgt Ion: 75 Resp: 152930

Ion Ratio Lower Upper

75 100

77 31.4 27.0 40.6



#46

cis-1,3-Dichloropropene

Concen: 9.055 ppbv

RT: 5.587 min Scan# 1699

Delta R.T. -0.013 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

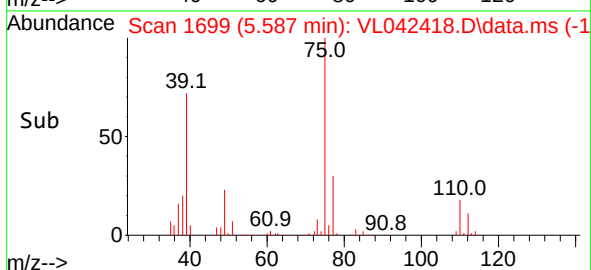
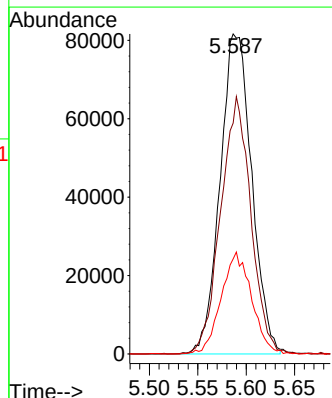
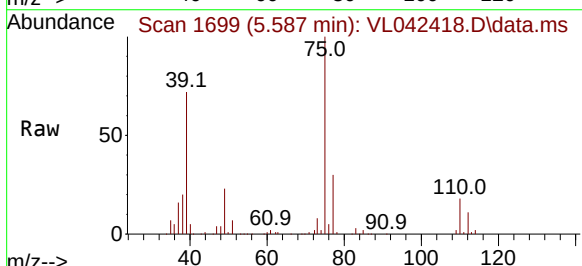
Tgt Ion: 75 Resp: 185557

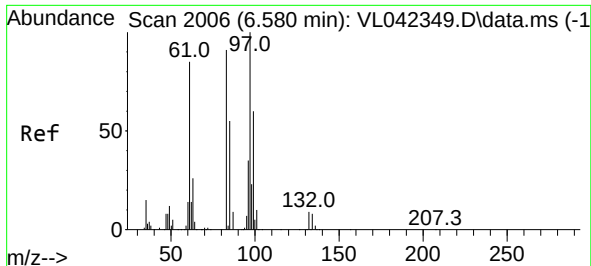
Ion Ratio Lower Upper

75 100

39 72.0 50.0 75.0

77 29.7 23.0 34.6

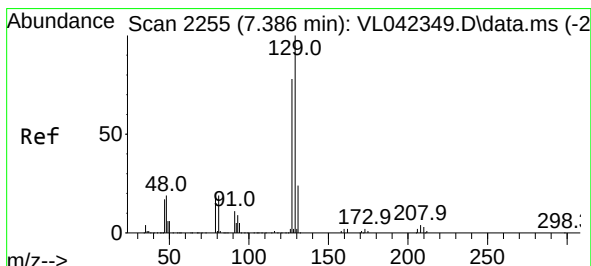
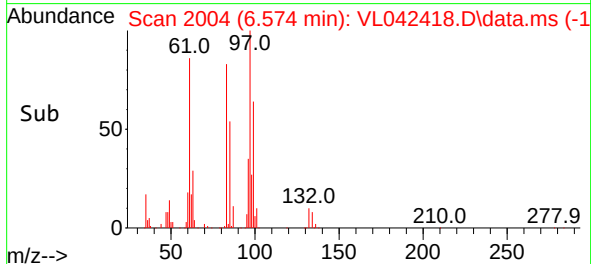
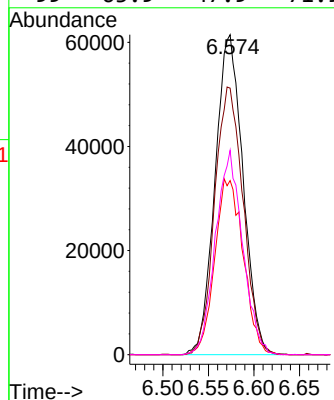
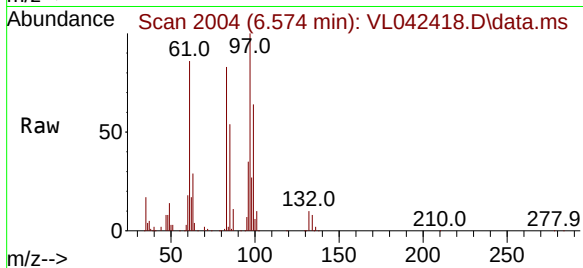




#47
1,1,2-Trichloroethane
Concen: 9.474 ppbv
RT: 6.574 min Scan# 20
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

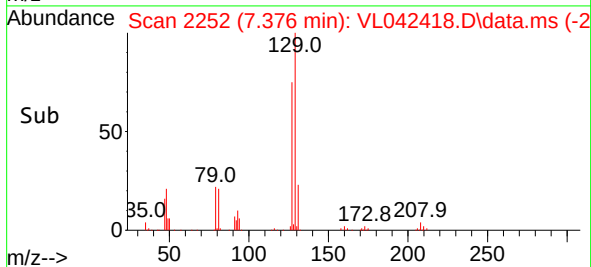
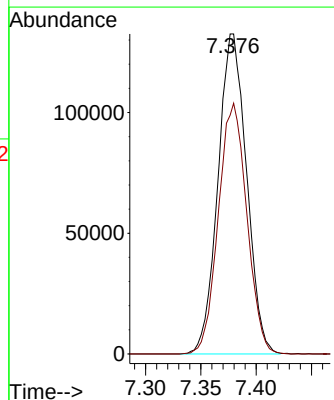
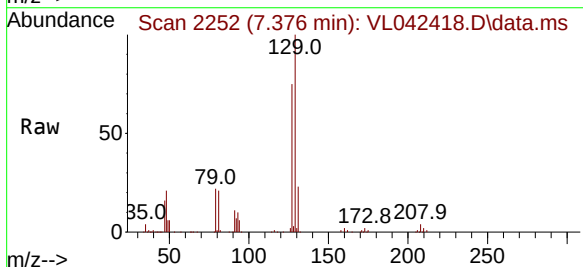
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

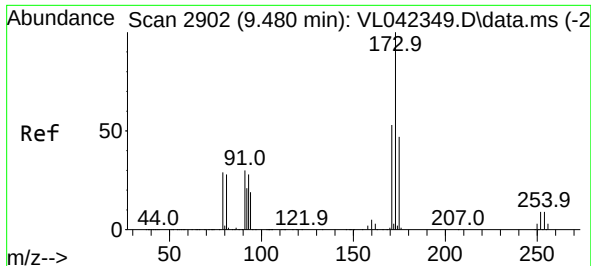
Tgt Ion: 97 Resp: 130821
Ion Ratio Lower Upper
97 100
83 83.3 72.8 109.2
85 54.4 44.2 66.4
99 63.9 47.9 71.9



#48
Dibromochloromethane
Concen: 9.753 ppbv
RT: 7.376 min Scan# 2252
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 129 Resp: 237927
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#49

Bromoform

Concen: 9.229 ppbv

RT: 9.477 min Scan# 2902

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

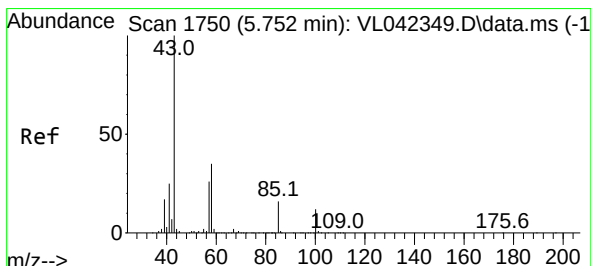
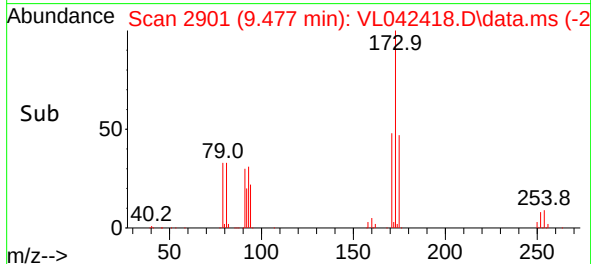
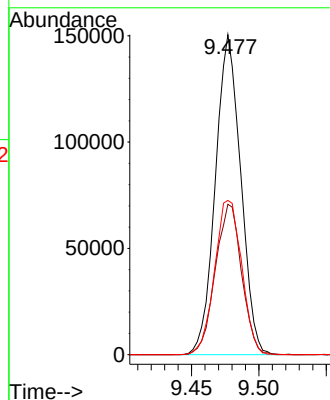
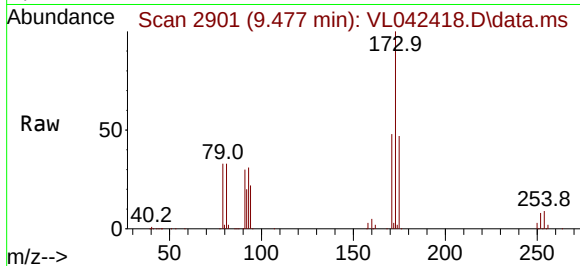
Tgt Ion:173 Resp: 196872

Ion Ratio Lower Upper

173 100

175 48.8 38.2 57.2

171 51.7 40.9 61.3



#50

4-Methyl-2-Pentanone

Concen: 7.726 ppbv

RT: 5.742 min Scan# 1747

Delta R.T. -0.010 min

Lab File: VL042418.D

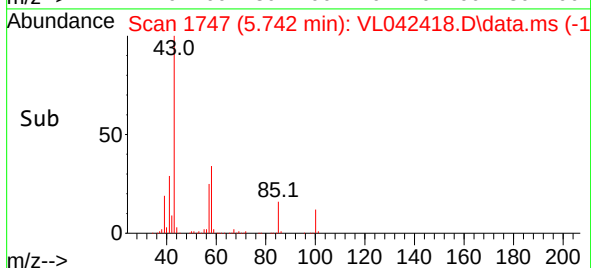
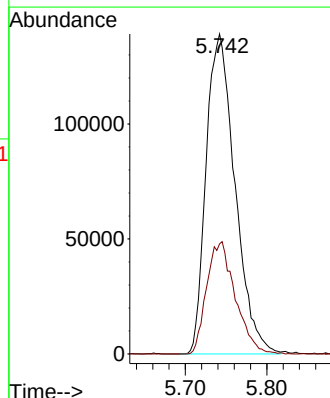
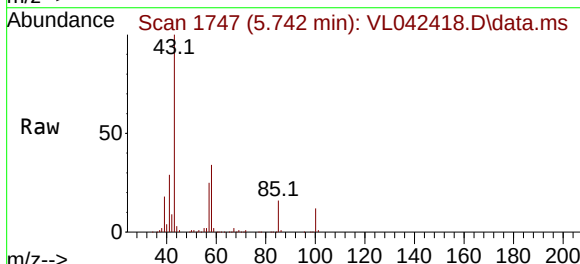
Acq: 28 Apr 2025 10:10

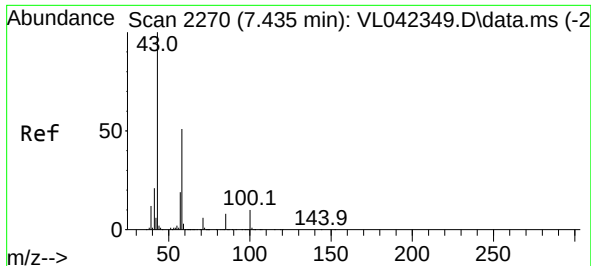
Tgt Ion: 43 Resp: 342379

Ion Ratio Lower Upper

43 100

58 34.9 28.6 43.0

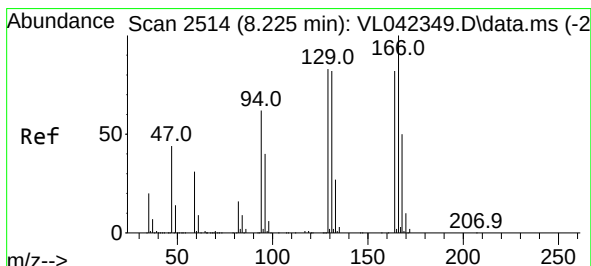
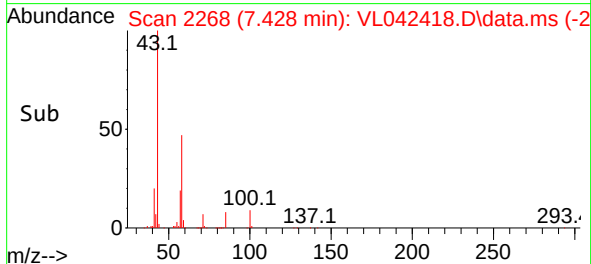
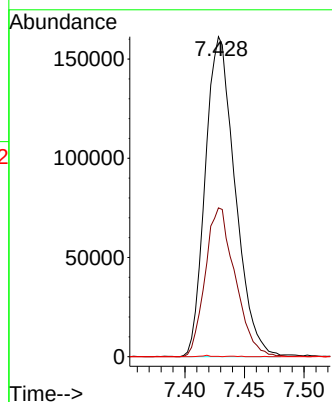
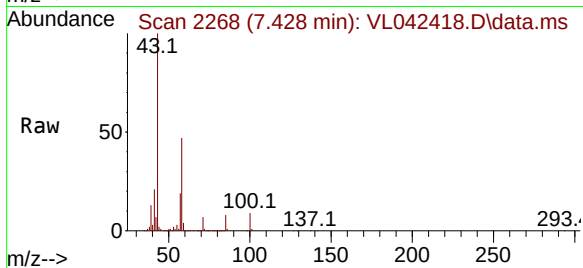




#51
2-Hexanone
Concen: 7.060 ppbv
RT: 7.428 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

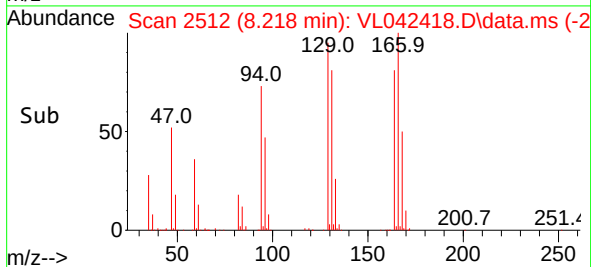
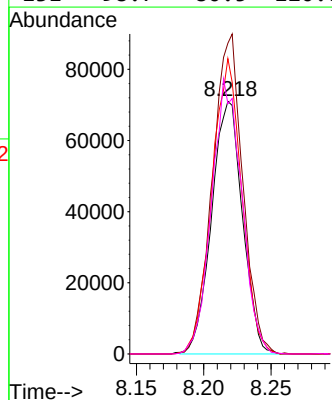
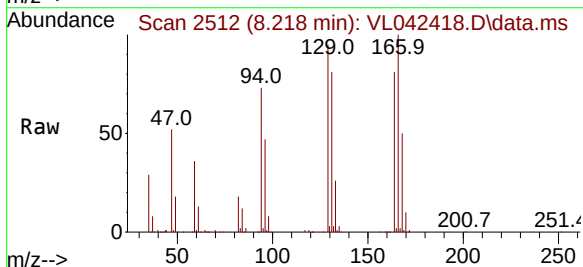
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

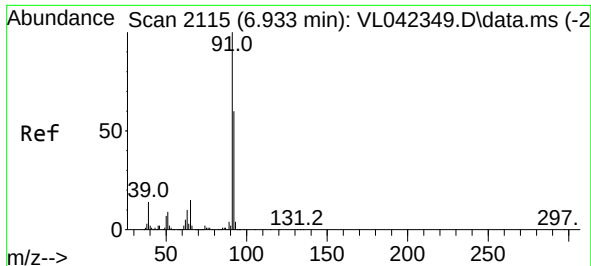
Tgt Ion: 43 Resp: 280580
Ion Ratio Lower Upper
43 100
58 46.8 40.2 60.4
98 0.2 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.058 ppbv
RT: 8.218 min Scan# 2512
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:164 Resp: 113273
Ion Ratio Lower Upper
164 100
166 122.8 98.2 147.2
129 116.9 81.8 122.8
131 98.7 80.5 120.7

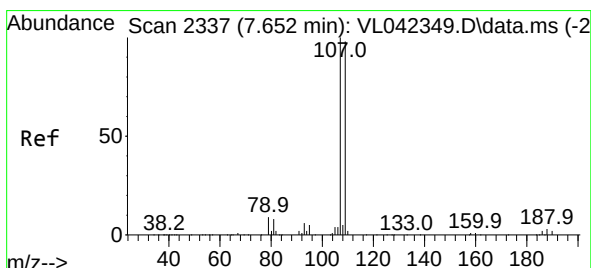
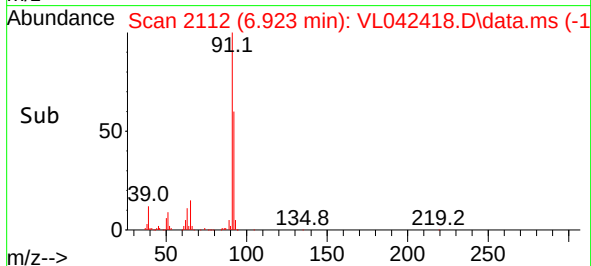
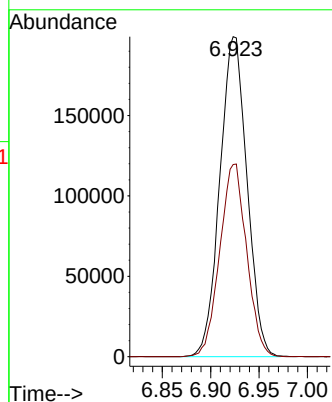
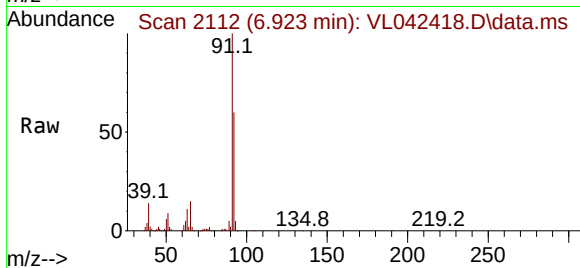




#53
Toluene
Concen: 8.904 ppbv
RT: 6.923 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

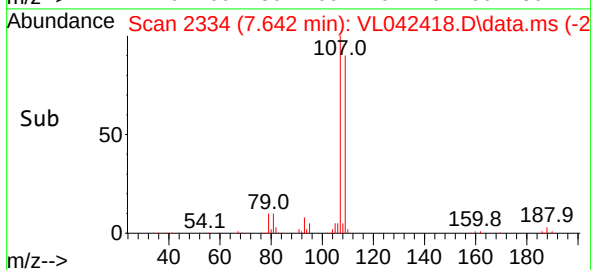
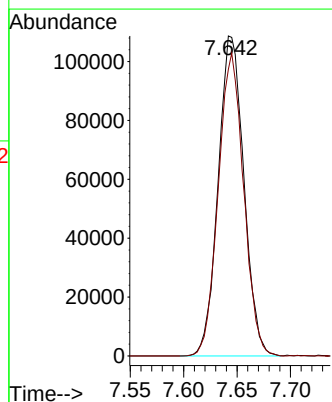
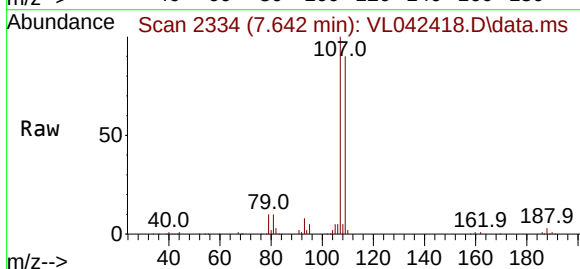
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

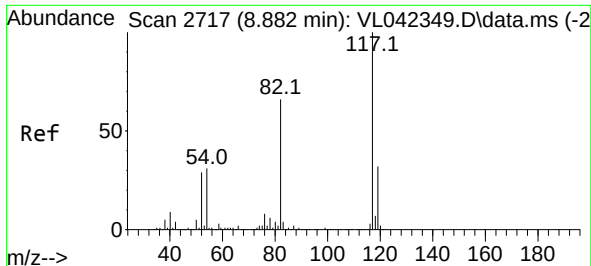
Tgt Ion: 91 Resp: 388626
Ion Ratio Lower Upper
91 100
92 59.6 48.2 72.4



#54
1,2-Dibromoethane
Concen: 9.191 ppbv
RT: 7.642 min Scan# 2334
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 107 Resp: 181632
Ion Ratio Lower Upper
107 100
109 89.6 78.2 117.4

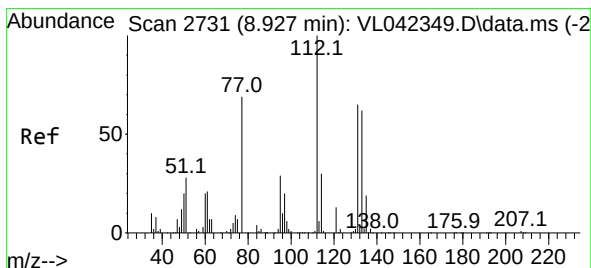
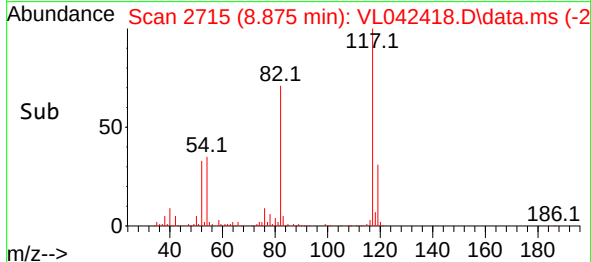
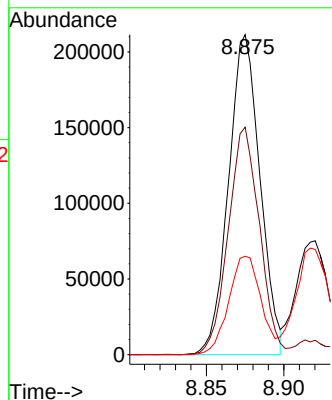
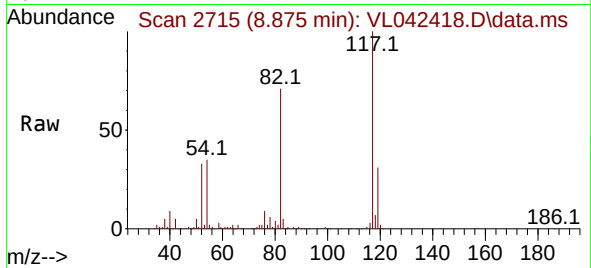




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

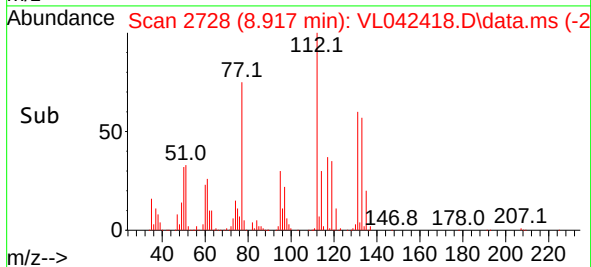
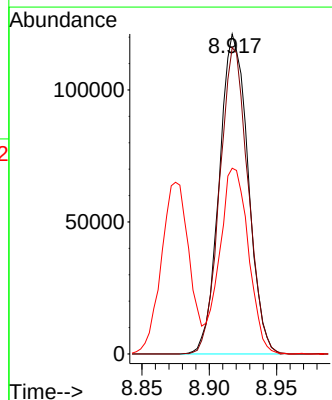
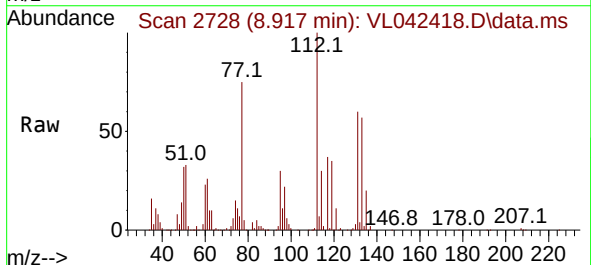
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

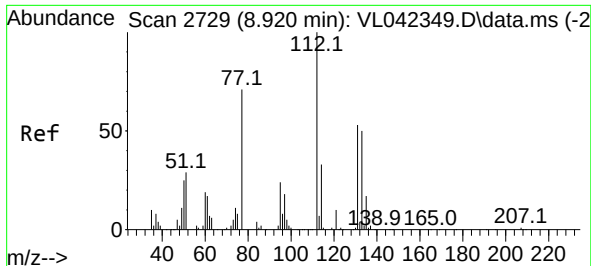
Tgt Ion:117 Resp: 299130
Ion Ratio Lower Upper
117 100
82 75.2 57.8 86.6
119 33.3 25.2 37.8



#56
1,1,1,2-Tetrachloroethane
Concen: 9.949 ppbv
RT: 8.917 min Scan# 2728
Delta R.T. -0.010 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:131 Resp: 180122
Ion Ratio Lower Upper
131 100
133 94.3 78.3 117.5
119 57.4 48.7 73.1

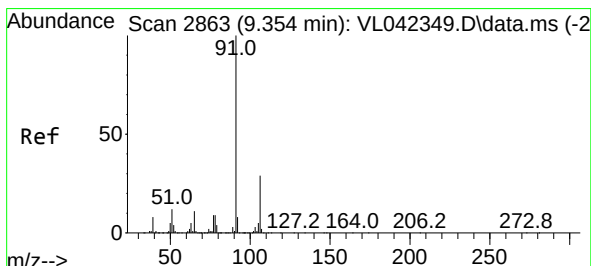
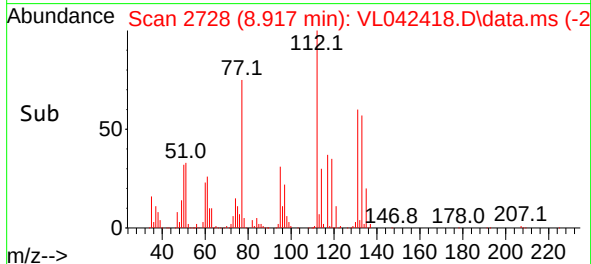
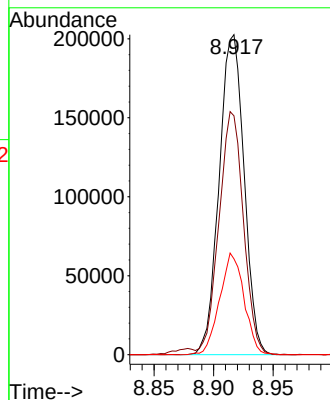
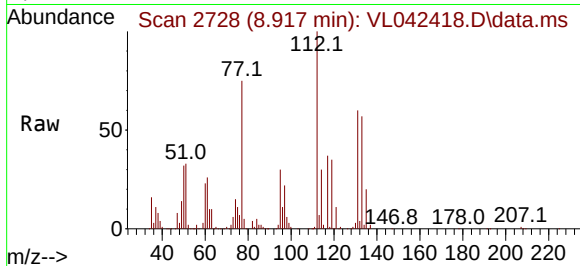




#57
Chlorobenzene
Concen: 9.480 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

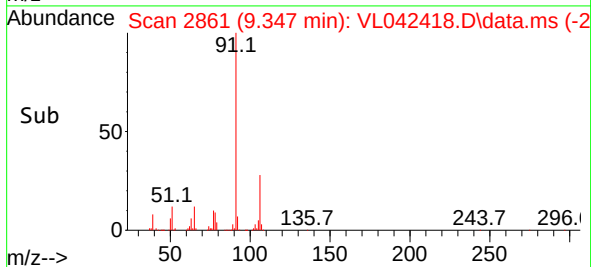
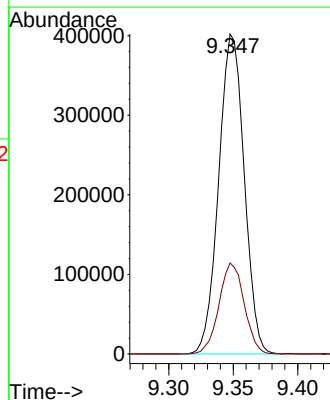
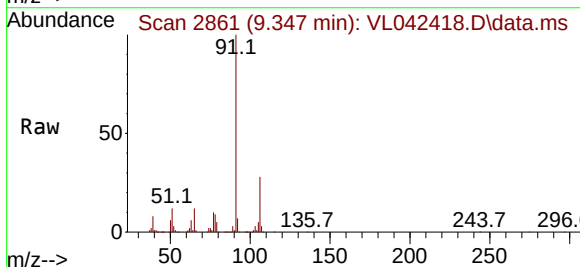
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

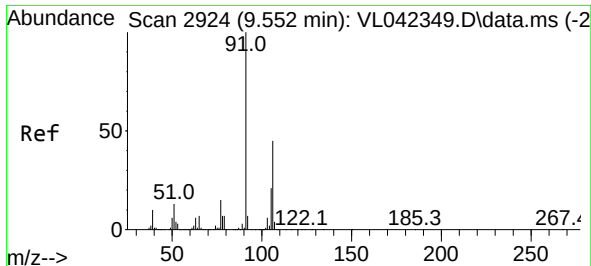
Tgt Ion:112 Resp: 294922
Ion Ratio Lower Upper
112 100
77 74.6 57.8 86.6
114 29.9 29.3 35.9



#58
Ethyl Benzene
Concen: 9.321 ppbv
RT: 9.347 min Scan# 2861
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 552423
Ion Ratio Lower Upper
91 100
106 28.5 23.0 34.4





#59

m/p-Xylene

Concen: 9.091 ppbv

RT: 9.545 min Scan# 29

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

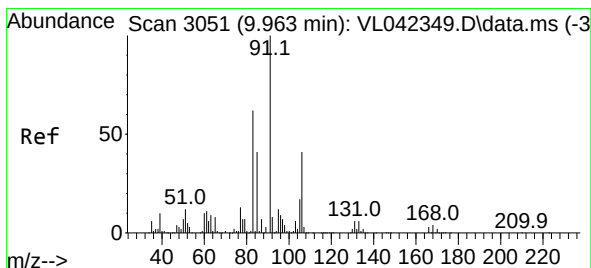
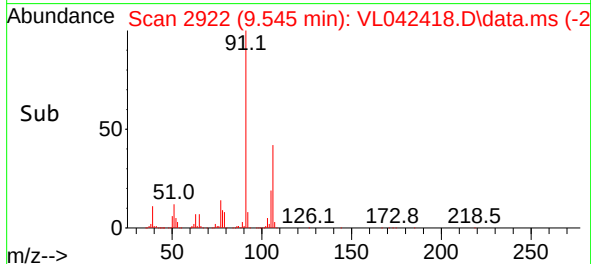
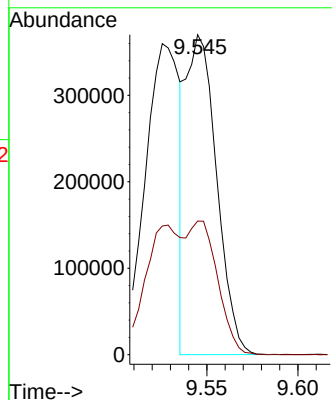
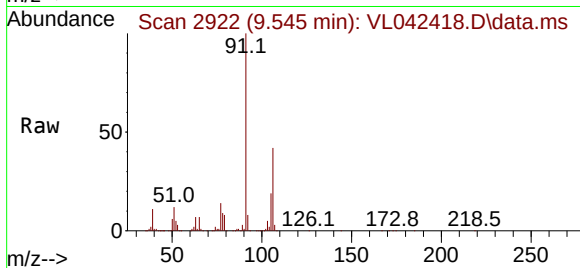
VL0428ABS01

Tgt Ion: 91 Resp: 434048

Ion Ratio Lower Upper

91 100

106 89.1 35.4 53.2#



#60

o-Xylene

Concen: 9.515 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.003 min

Lab File: VL042418.D

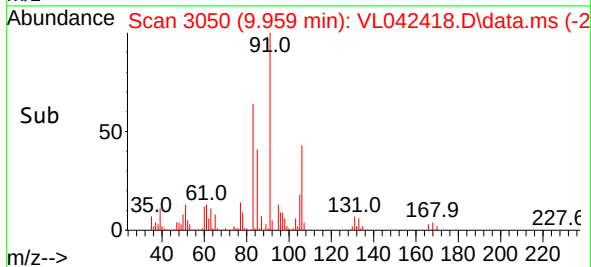
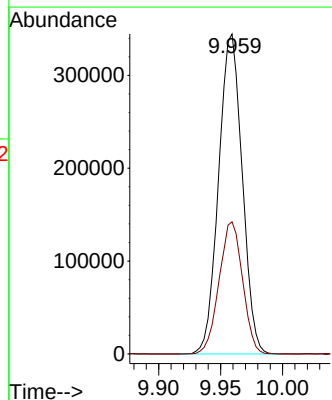
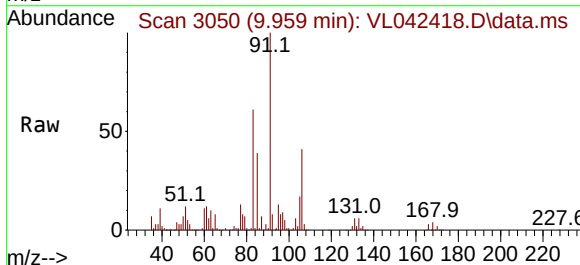
Acq: 28 Apr 2025 10:10

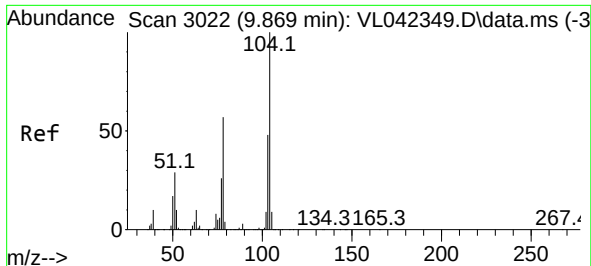
Tgt Ion: 91 Resp: 457491

Ion Ratio Lower Upper

91 100

106 41.1 21.1 63.4

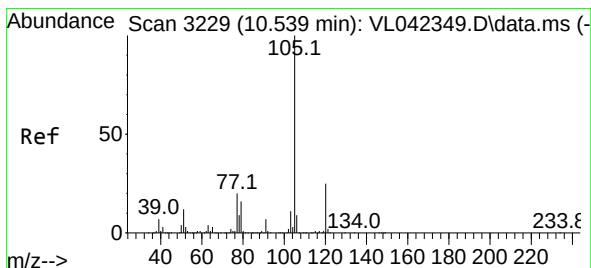
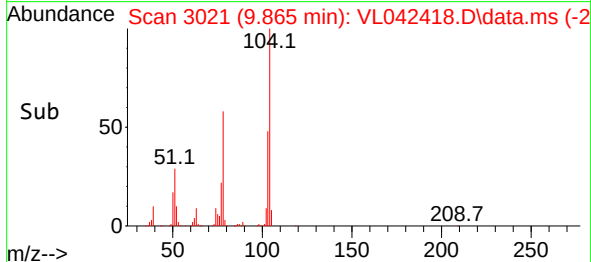
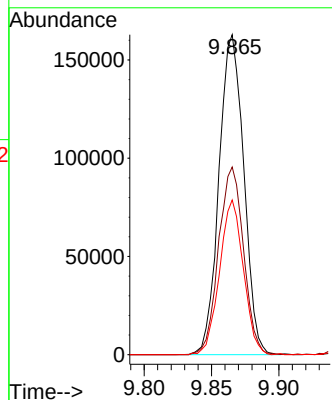
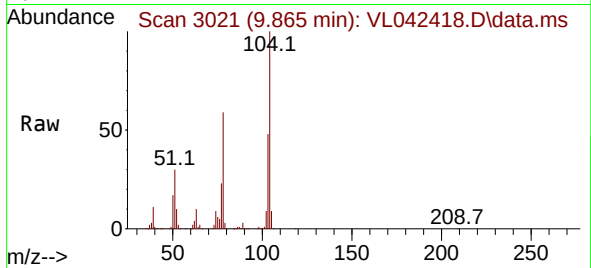




#61
Styrene
Concen: 9.086 ppbv
RT: 9.865 min Scan# 3022
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

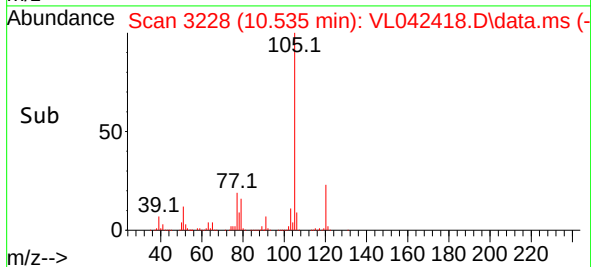
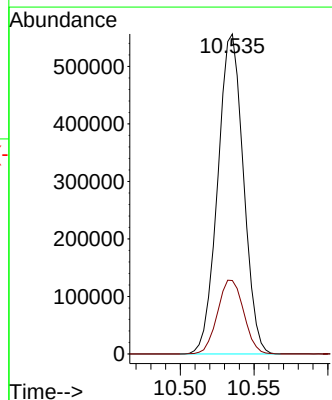
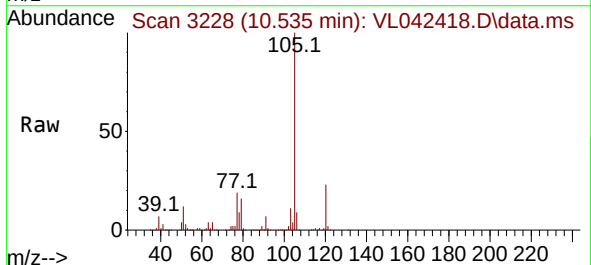
Instrument :
MSVOA_1
ClientSampleId :
VL0428ABS01

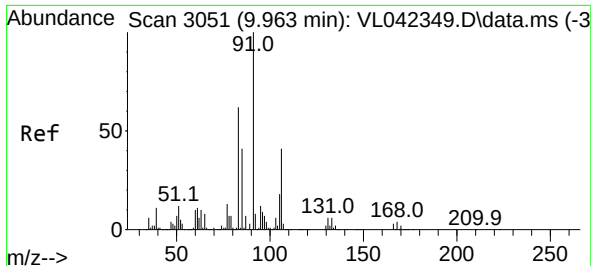
Tgt Ion:104 Resp: 208517
Ion Ratio Lower Upper
104 100
78 59.1 44.6 66.8
103 46.5 37.4 56.0



#62
Isopropylbenzene
Concen: 9.546 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 673842
Ion Ratio Lower Upper
105 100
120 23.5 19.8 29.8

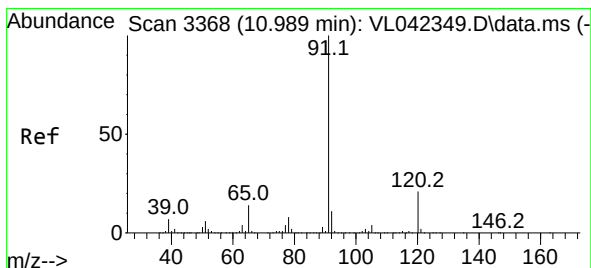
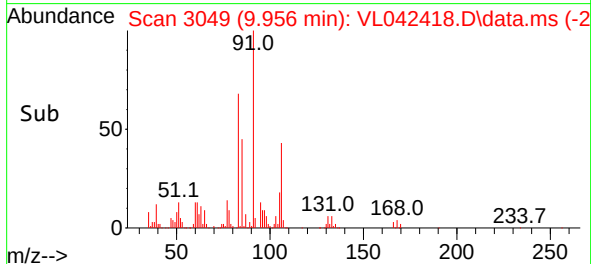
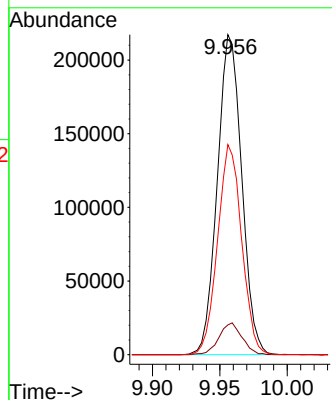
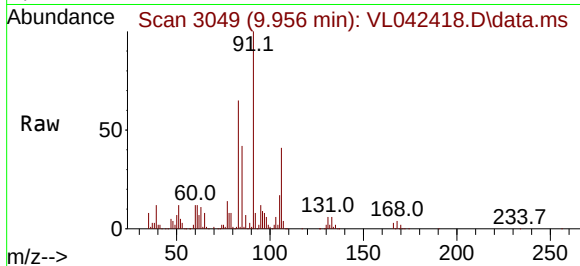




#63
1,1,2,2-Tetrachloroethane
Concen: 8.783 ppbv
RT: 9.956 min Scan# 3049
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

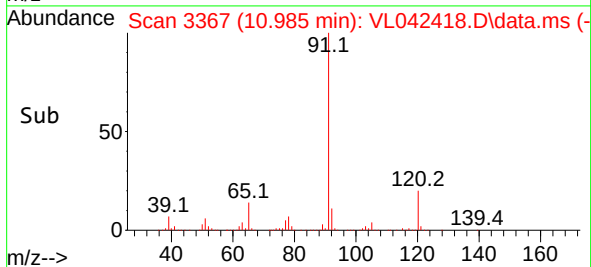
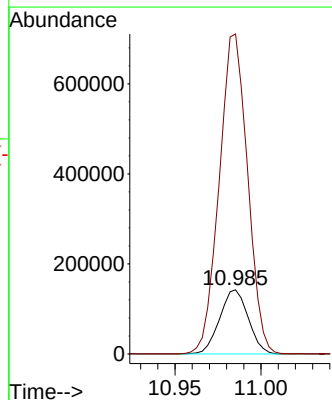
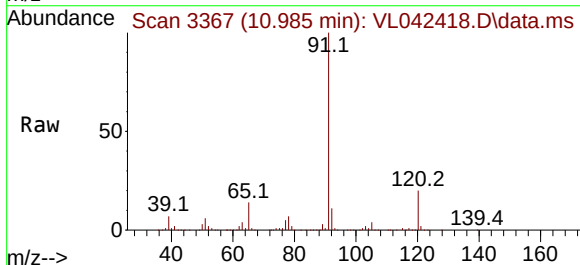
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

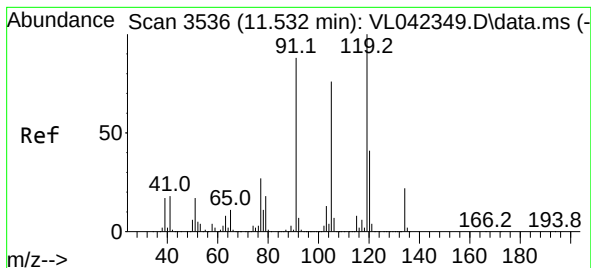
Tgt Ion: 83 Resp: 273641
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.7
85 64.8 32.4 97.0



#64
n-propylbenzene
Concen: 9.271 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:120 Resp: 164482
Ion Ratio Lower Upper
120 100
91 497.0 392.4 588.6





#65

tert-Butylbenzene

Concen: 9.441 ppbv

RT: 11.526 min Scan# 3536

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

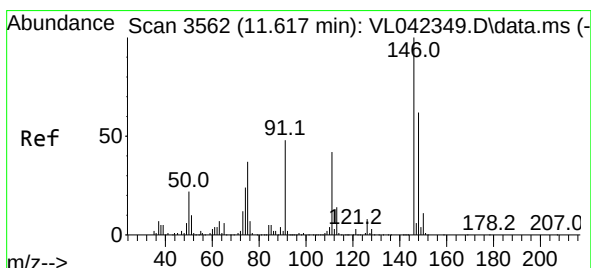
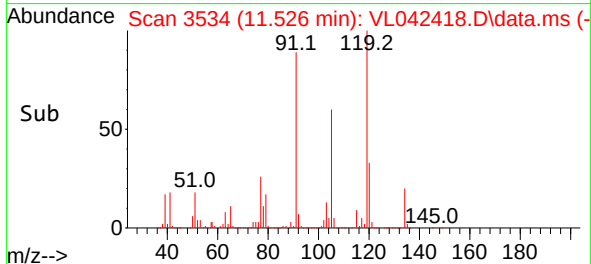
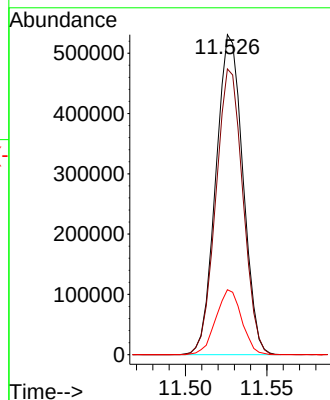
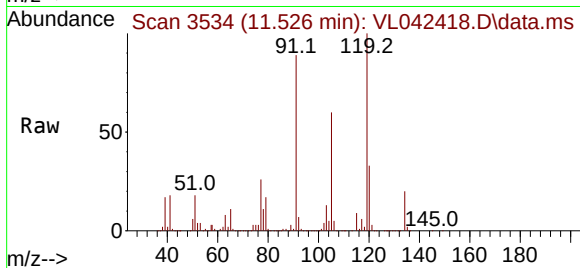
Tgt Ion:119 Resp: 612519

Ion Ratio Lower Upper

119 100

91 89.2 74.6 111.8

134 19.3 18.8 28.2



#66

Benzyl Chloride

Concen: 7.684 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

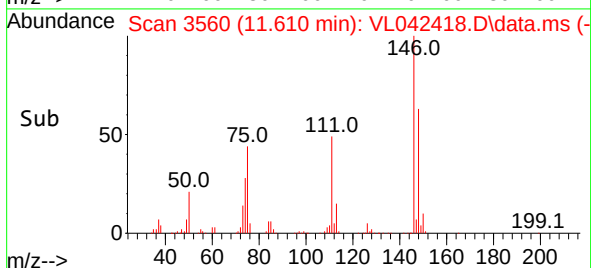
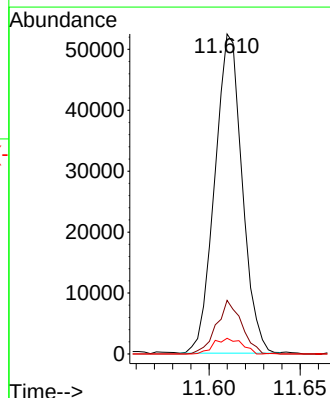
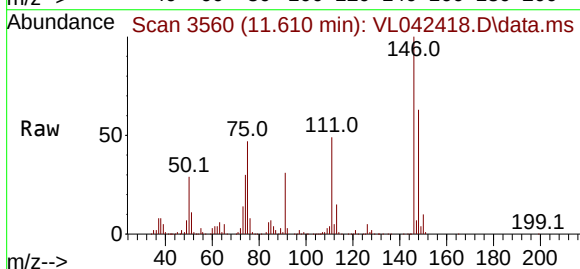
Tgt Ion: 91 Resp: 54781

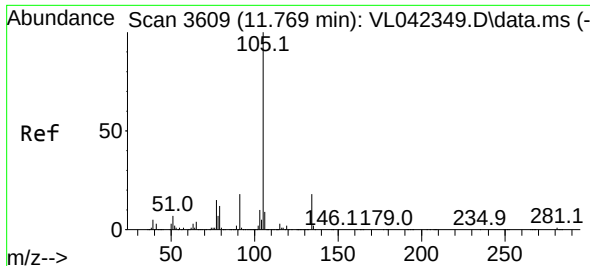
Ion Ratio Lower Upper

91 100

126 15.5 11.8 17.6

128 5.1 4.5 6.7





#67

sec-Butylbenzene

Concen: 9.380 ppbv

RT: 11.765 min Scan# 3177

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_1

ClientSampleId :

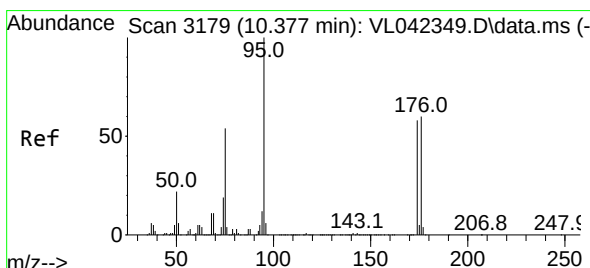
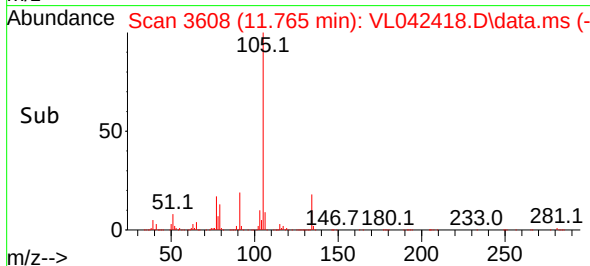
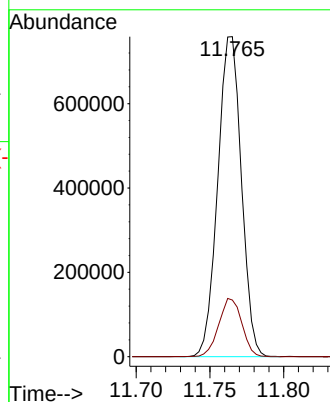
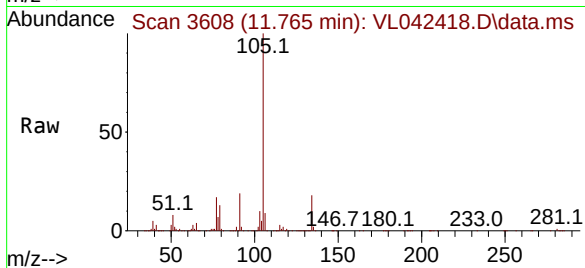
VL0428ABS01

Tgt Ion:105 Resp: 846457

Ion Ratio Lower Upper

105 100

134 17.8 14.6 21.8



#68

1-Bromo-4-Fluorobenzene

Concen: 10.521 ppbv

RT: 10.370 min Scan# 3177

Delta R.T. -0.007 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

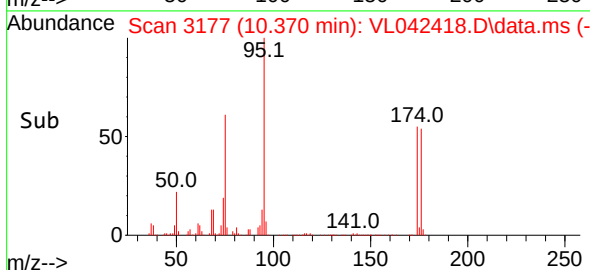
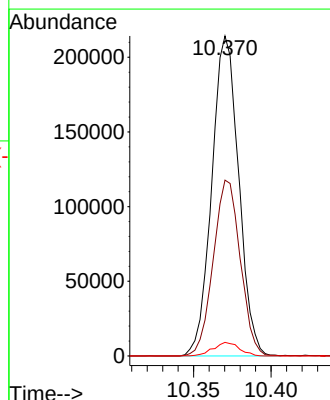
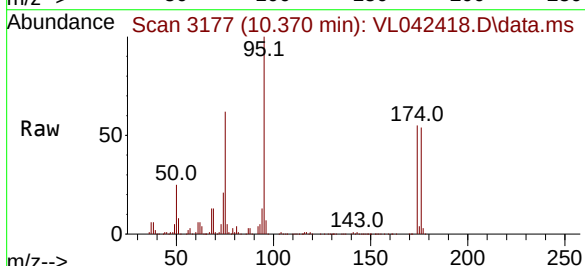
Tgt Ion: 95 Resp: 258626

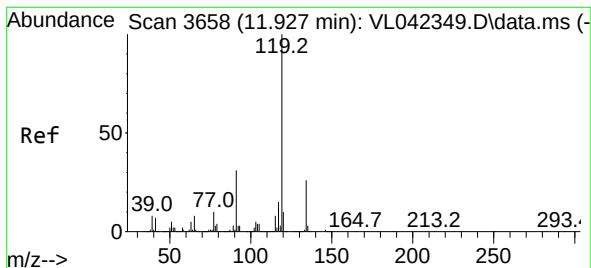
Ion Ratio Lower Upper

95 100

174 55.3 48.5 72.7

175 4.1 3.7 5.5

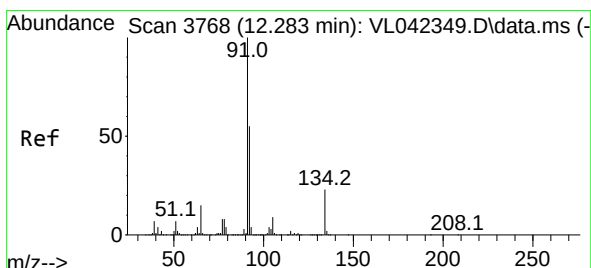
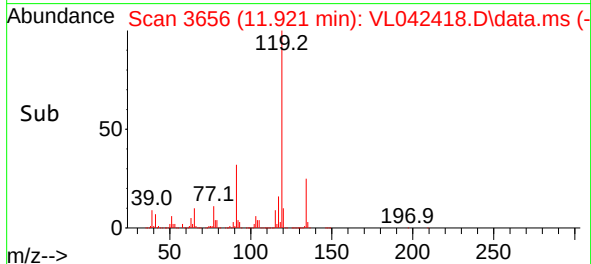
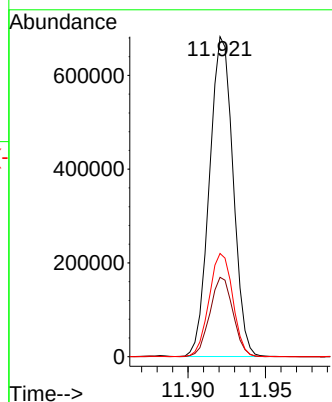
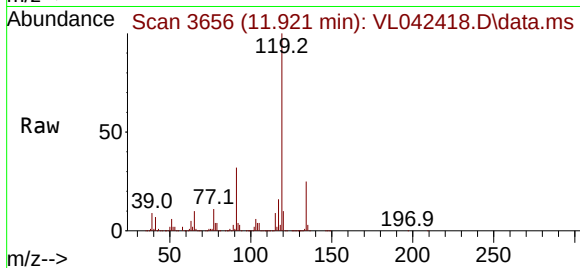




#69
p-Isopropyltoluene
Concen: 9.221 ppbv
RT: 11.921 min Scan# 3656
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

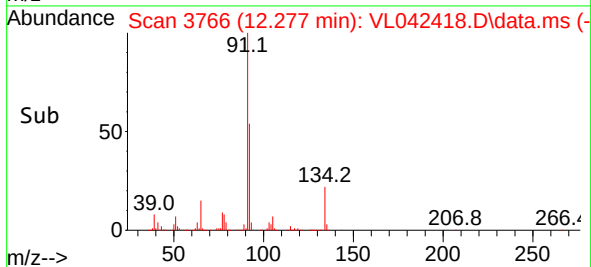
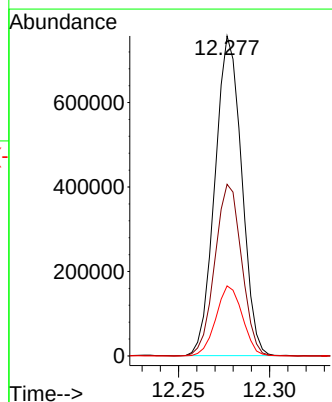
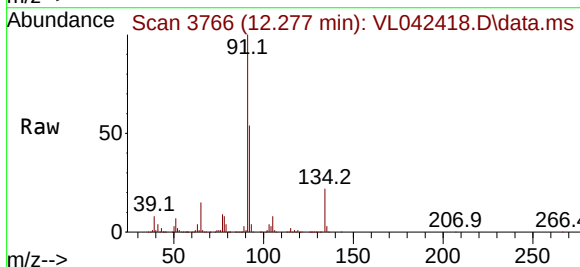
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

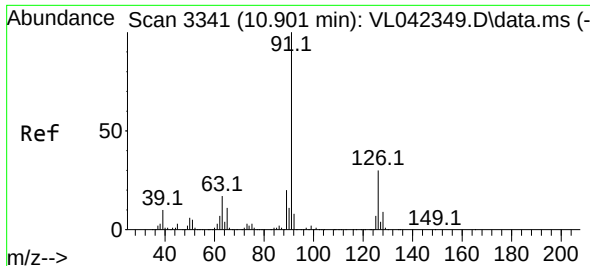
Tgt Ion:119 Resp: 722909
Ion Ratio Lower Upper
119 100
134 24.4 20.0 30.0
91 32.5 24.4 36.6



#70
n-Butylbenzene
Concen: 9.452 ppbv
RT: 12.277 min Scan# 3766
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion: 91 Resp: 771835
Ion Ratio Lower Upper
91 100
92 54.2 44.2 66.4
134 21.8 18.2 27.4

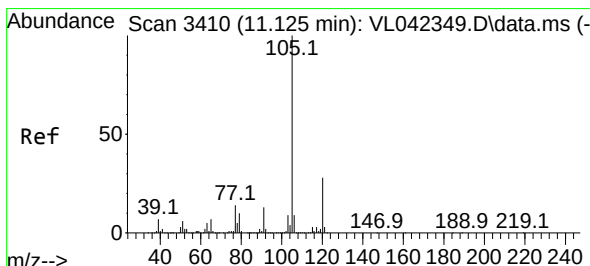
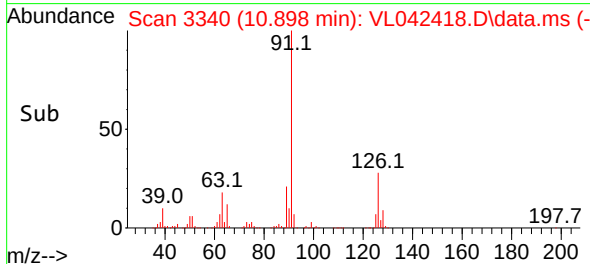
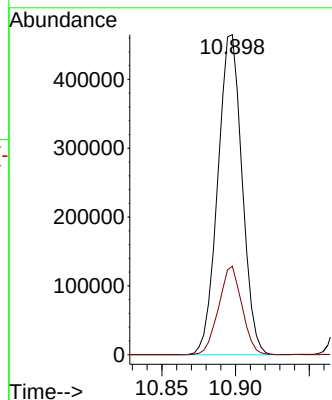
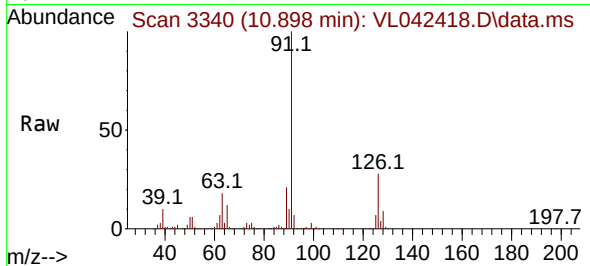




#71
2-Chlorotoluene
Concen: 9.623 ppbv
RT: 10.898 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

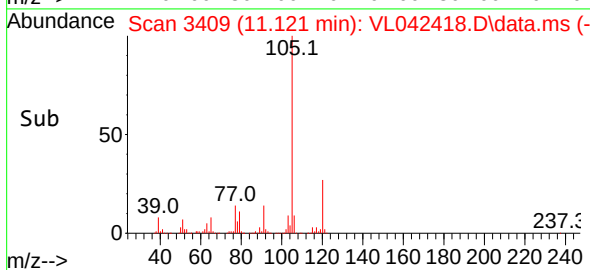
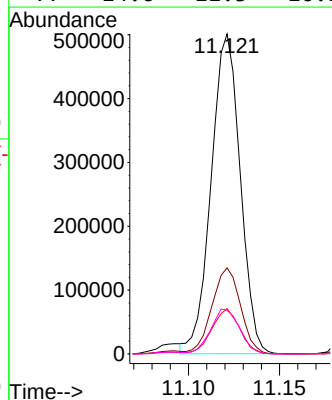
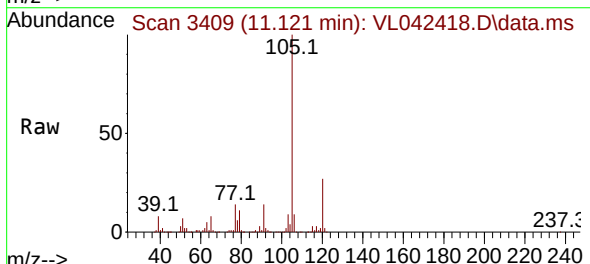
Instrument :
MSVOA_1
ClientSampleId :
VL0428ABS01

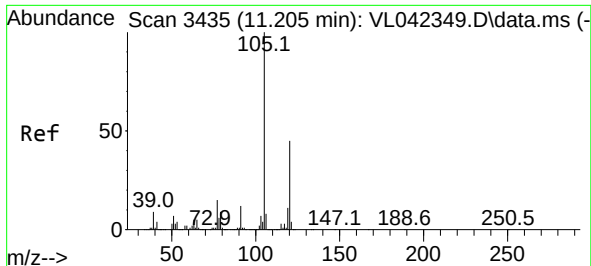
Tgt Ion: 91 Resp: 532755
Ion Ratio Lower Upper
91 100
126 26.5 11.4 45.4



#72
4-Ethyltoluene
Concen: 9.438 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 554770
Ion Ratio Lower Upper
105 100
120 27.4 23.2 34.8
91 14.2 10.4 15.6
77 14.6 11.3 16.9

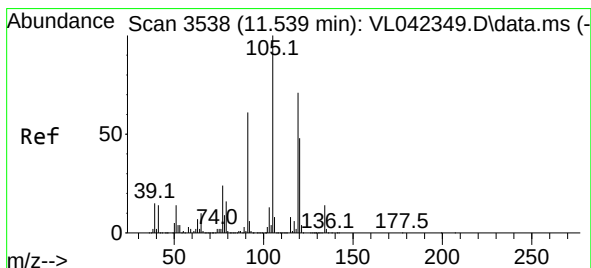
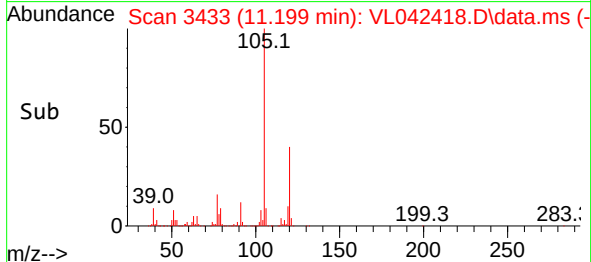
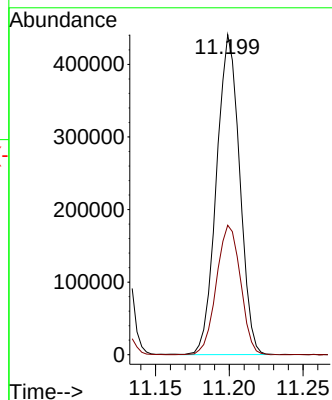
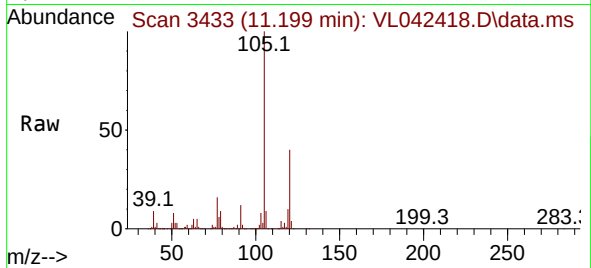




#73
1,3,5-Trimethylbenzene
Concen: 9.283 ppbv
RT: 11.199 min Scan# 3433
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

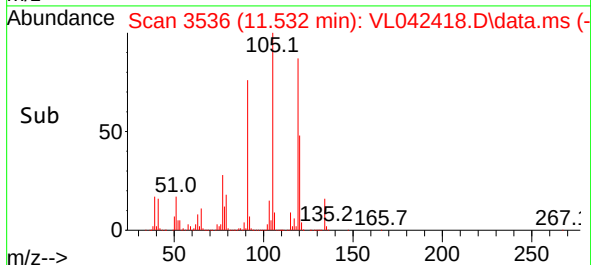
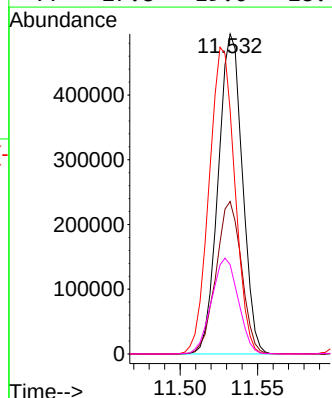
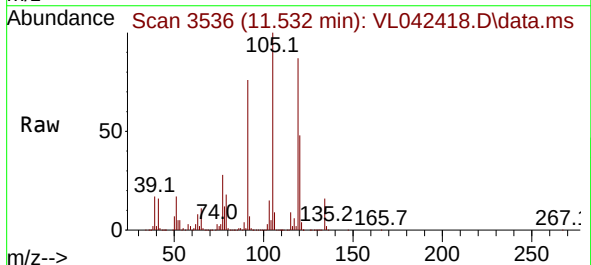
Instrument :
MSVOA_1
ClientSampleId :
VL0428ABS01

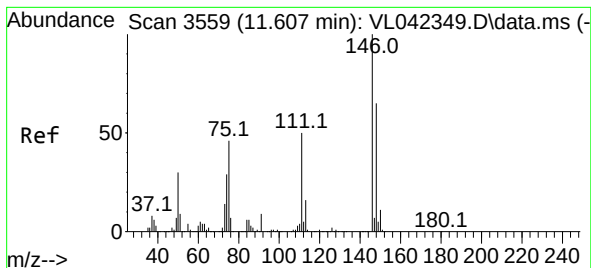
Tgt Ion:105 Resp: 481697
Ion Ratio Lower Upper
105 100
120 40.5 35.6 53.4



#74
1,2,4-Trimethylbenzene
Concen: 8.869 ppbv
RT: 11.532 min Scan# 3536
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:105 Resp: 537510
Ion Ratio Lower Upper
105 100
120 47.6 38.1 57.1
91 76.2 48.8 73.2#
77 27.8 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 9.035 ppbv

RT: 11.603 min Scan# 3559

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_1

ClientSampleId :

VL0428ABS01

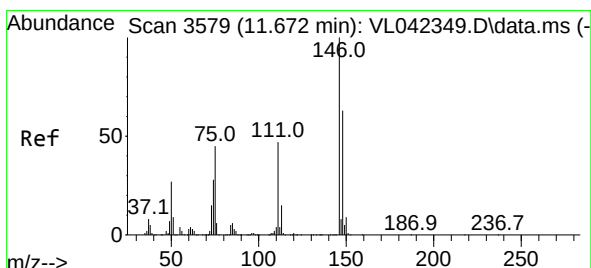
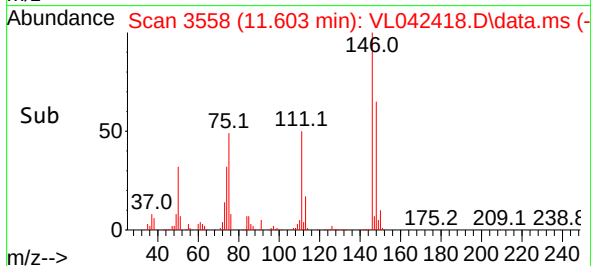
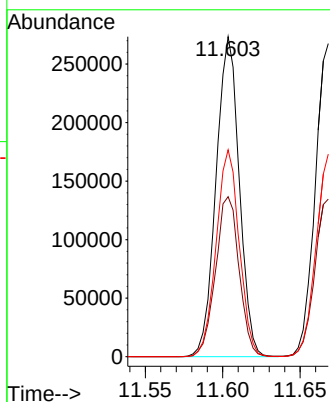
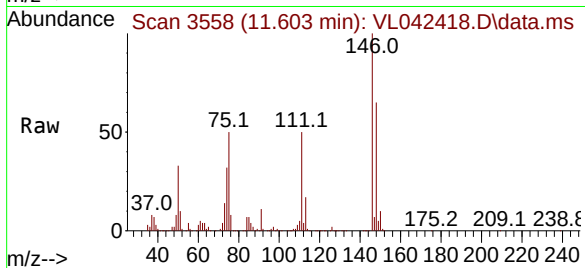
Tgt Ion:146 Resp: 284652

Ion Ratio Lower Upper

146 100

111 50.9 24.3 72.8

148 64.3 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 8.992 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

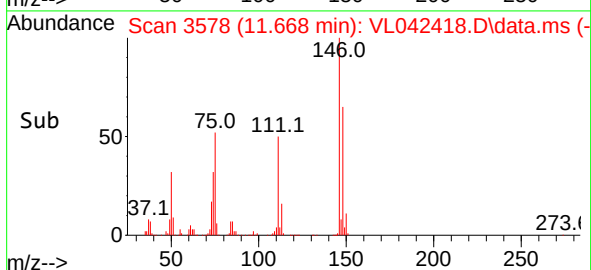
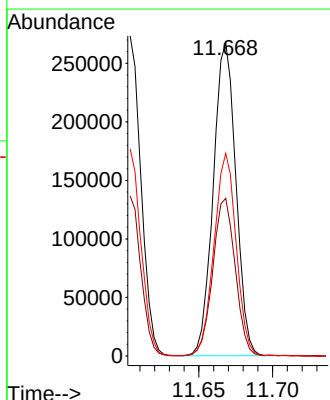
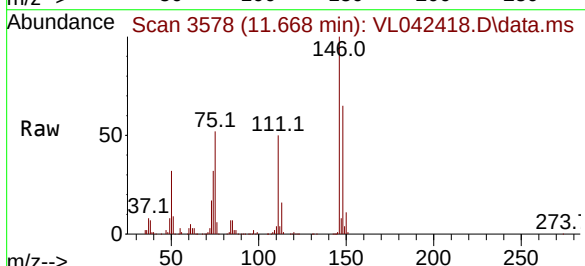
Tgt Ion:146 Resp: 284740

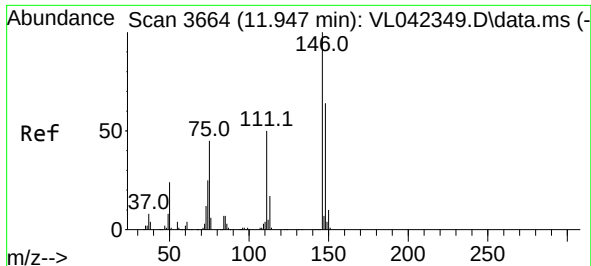
Ion Ratio Lower Upper

146 100

111 50.4 24.2 72.6

148 63.7 32.1 96.5

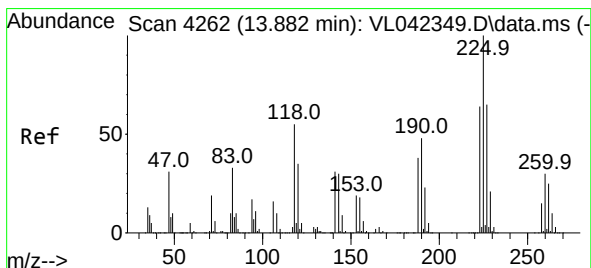
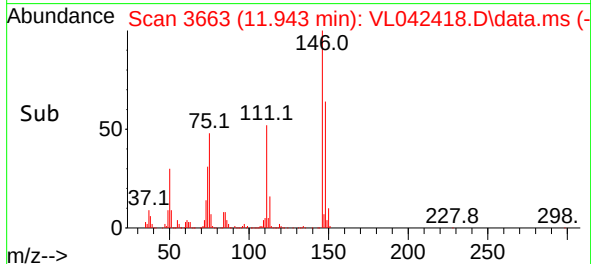
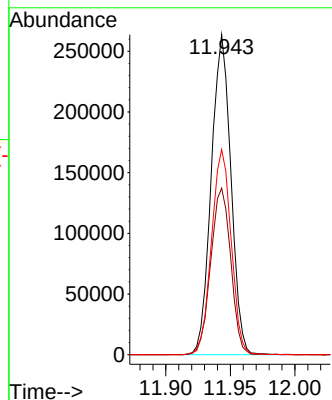
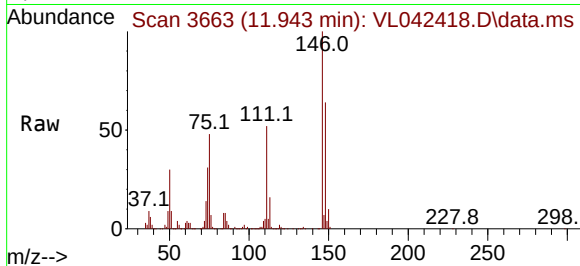




#77
1,2-Dichlorobenzene
Concen: 9.095 ppbv
RT: 11.943 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

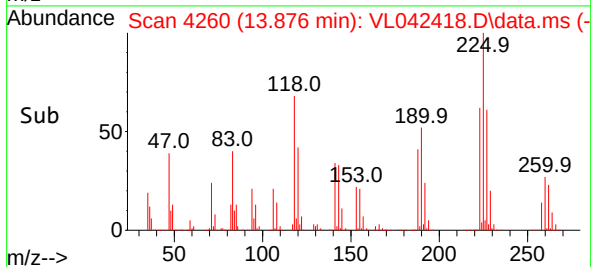
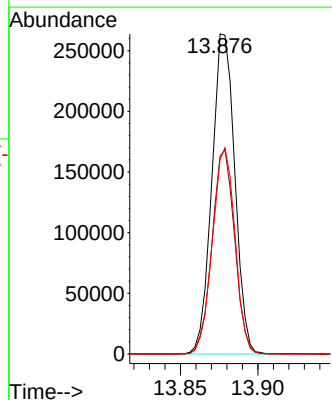
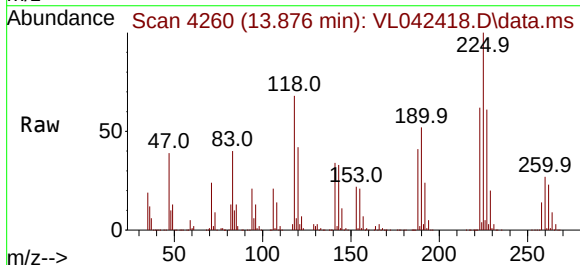
Instrument :
MSVOA_L
ClientSampleId :
VL0428ABS01

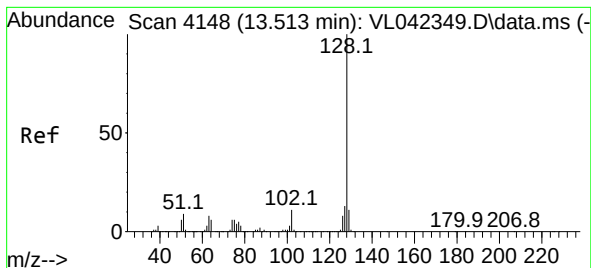
Tgt Ion:146 Resp: 278619
Ion Ratio Lower Upper
146 100
111 53.0 25.3 75.9
148 64.0 31.5 94.5



#78
Hexachloro-1,3-Butadiene
Concen: 8.779 ppbv
RT: 13.876 min Scan# 4260
Delta R.T. -0.007 min
Lab File: VL042418.D
Acq: 28 Apr 2025 10:10

Tgt Ion:225 Resp: 271569
Ion Ratio Lower Upper
225 100
223 62.8 50.3 75.5
227 63.3 51.5 77.3





#79

Naphthalene

Concen: 8.482 ppbv

RT: 13.510 min Scan# 4148

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01

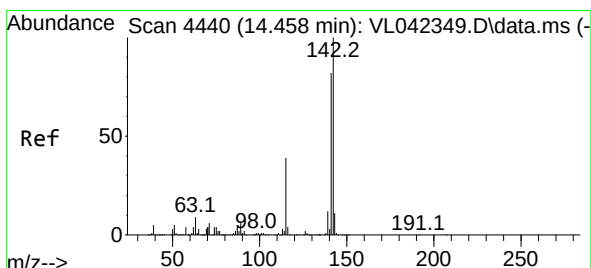
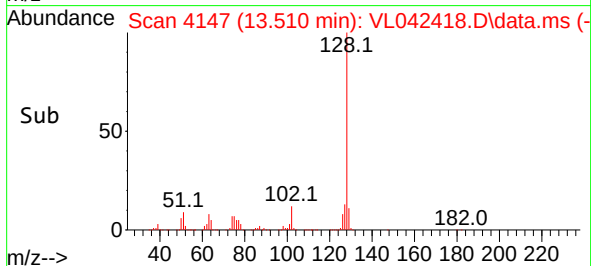
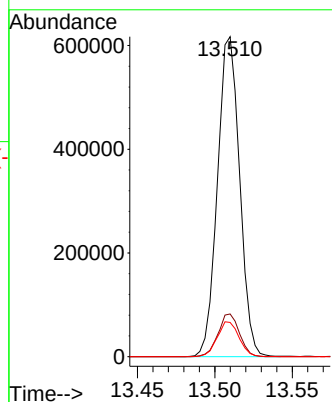
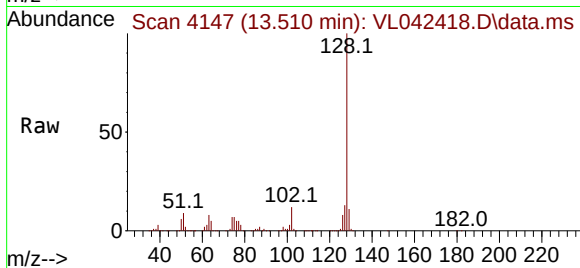
Tgt Ion:128 Resp: 614768

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

129 10.7 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 7.651 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. -0.003 min

Lab File: VL042418.D

Acq: 28 Apr 2025 10:10

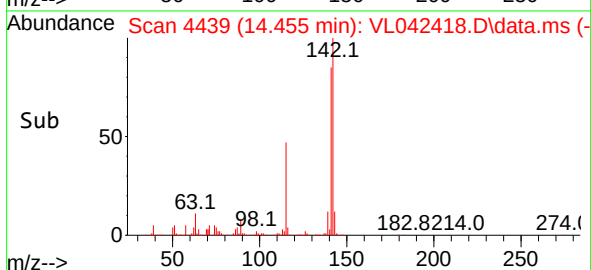
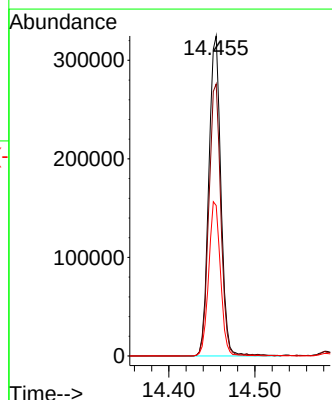
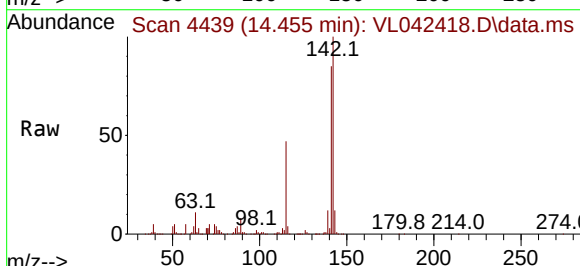
Tgt Ion:142 Resp: 316027

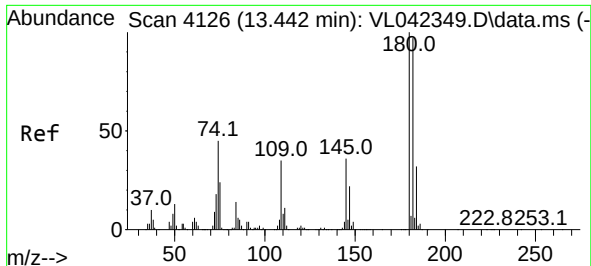
Ion Ratio Lower Upper

142 100

141 84.7 66.8 100.2

115 47.3 33.4 50.2





#81

1,2,4-Trichlorobenzene

Concen: 8.729 ppbv

RT: 13.435 min Scan# 41

Delta R.T. -0.007 min

Lab File: VL042418.D

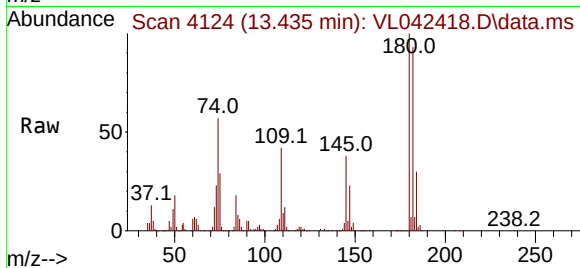
Acq: 28 Apr 2025 10:10

Instrument :

MSVOA_L

ClientSampleId :

VL0428ABS01



Tgt Ion:180 Resp: 271657

Ion Ratio Lower Upper

180 100

182 94.2 76.8 115.2

184 30.4 24.6 36.8

