

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040925\
 Data File : VL042288.D
 Acq On : 09 Apr 2025 11:46
 Operator : SY/MD
 Sample : VL0409ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Quant Time: Apr 10 01:41:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	158607	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	399129	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	347062	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	281515	9.877	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.495	85	231302	9.877	ppbv	99
3) Chlorodifluoromethane	1.473	51	246971	10.323	ppbv	99
4) Chloromethane	1.531	50	94690	9.894	ppbv	99
5) Vinyl Chloride	1.580	62	88718	8.748	ppbv	97
6) Bromomethane	1.667	94	37387	8.620	ppbv	93
7) Chloroethane	1.703	64	34720	9.038	ppbv	97
8) Dichlorotetrafluoroethane	1.554	85	197213	9.889	ppbv	93
9) Propene	1.482	41	92366	8.423	ppbv	100
10) Heptane	4.972	43	286886	9.836	ppbv	99
11) Trichlorofluoromethane	1.874	101	221983	9.742	ppbv	98
12) 1,1,2-Trichlorotrifluo...	2.136	101	178880	9.550	ppbv	98
13) Ethanol	1.719	45	4815	4.645	ppbv	91
14) Bromoethene	1.780	108	62224	8.672	ppbv	98
15) Acetone	1.832	43	203183	9.160	ppbv	94
16) 1,3-Butadiene	1.605	39	97390	8.990	ppbv	96
17) tert-Butyl alcohol	2.039	59	228072	8.255	ppbv	99
18) 1,1-Dichloroethene	2.033	96	78555	8.972	ppbv	96
19) Isopropyl Alcohol	1.884	45	107415	8.582	ppbv	95
20) Methylene Chloride	2.059	84	69914	8.463	ppbv	91
21) Allyl Chloride	2.094	41	144348	9.227	ppbv	97
22) trans-1,2-Dichloroethene	2.337	96	89052	8.800	ppbv	94
23) Vinyl Acetate	2.460	43	76797	7.999	ppbv #	98
24) 1,1-Dichloroethane	2.405	63	182520	9.730	ppbv	99
25) Ethyl Acetate	2.832	43	579774	10.071	ppbv	99
26) Hexane	2.822	57	217275	9.771	ppbv	96
27) Carbon Disulfide	2.146	76	219626	9.210	ppbv	95
28) Methyl tert-Butyl Ether	2.437	73	112219	8.105	ppbv	97
29) Chloroform	2.845	83	345539	10.617	ppbv	99
30) Cyclohexane	3.852	84	176612	9.146	ppbv	96
31) cis-1,2-Dichloroethene	2.719	61	211391	9.364	ppbv	96
32) 1,1,1-Trichloroethane	3.363	97	338190	9.077	ppbv	97
34) 2-Butanone	2.554	43	321361	11.104	ppbv	98
35) Carbon Tetrachloride	3.758	117	349527	11.210	ppbv	100
36) Benzene	3.654	78	433844	10.964	ppbv	98
37) 1,2-Dichloroethane	3.214	62	261897	11.561	ppbv	99
38) Trichloroethene	4.544	130	173360	10.500	ppbv	94
39) 1,2-Dichloropropane	4.311	63	159695	11.082	ppbv	94
40) 1,4-Dioxane	4.577	88	71420	9.338	ppbv #	95
41) Tetrahydrofuran	3.052	42	180593	10.836	ppbv	94
42) Bromodichloromethane	4.486	83	362659	11.612	ppbv	96
43) Methyl Methacrylate	4.878	69	159384	9.515	ppbv	97
44) 2,2,4-Trimethylpentane	4.635	57	750171	11.219	ppbv	97
45) t-1,3-Dichloropropene	6.409	75	148388	8.257	ppbv	97

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 ALS Vial : 1 Sample Multiplier: 1

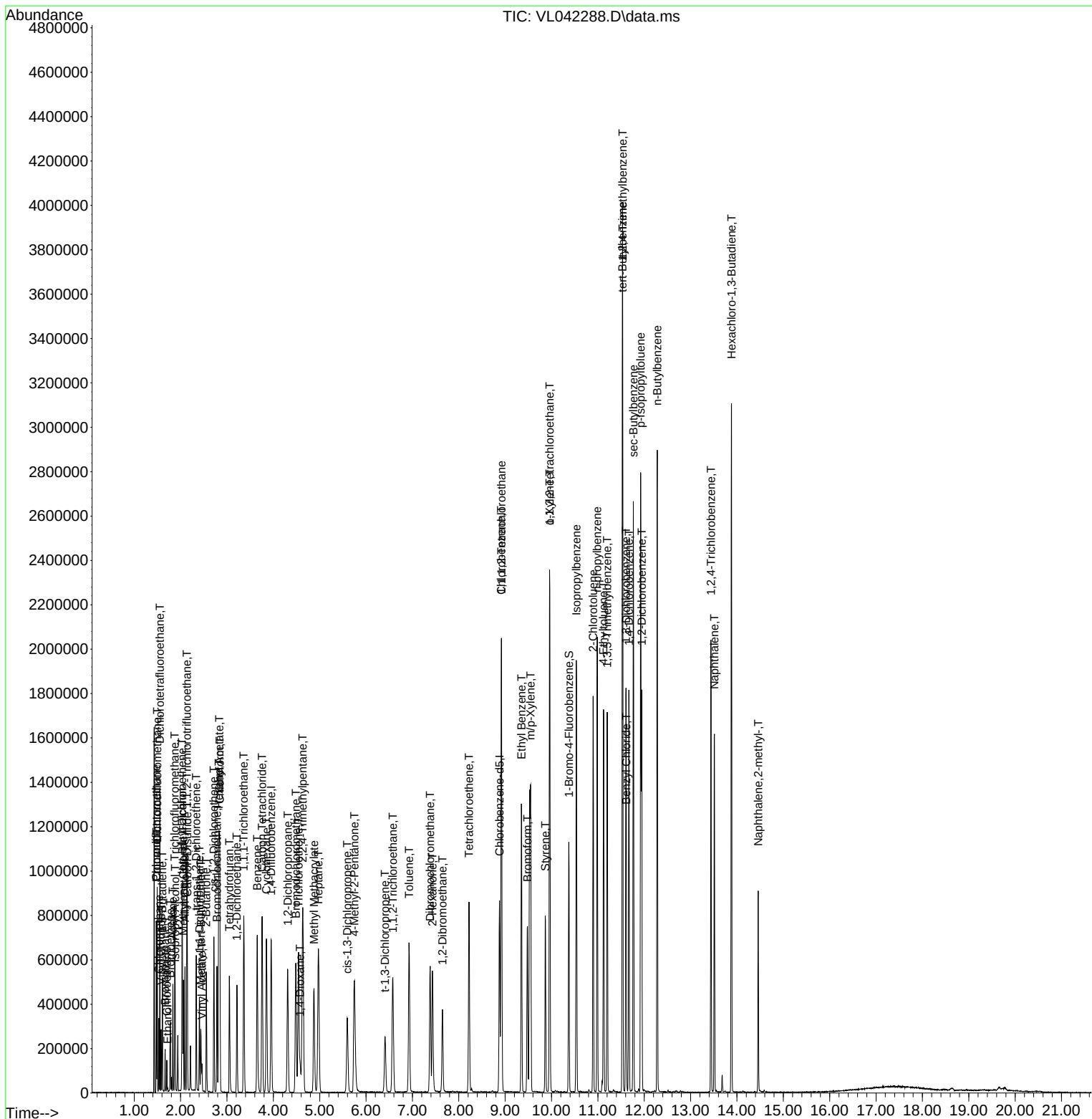
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 ClientSampleId :
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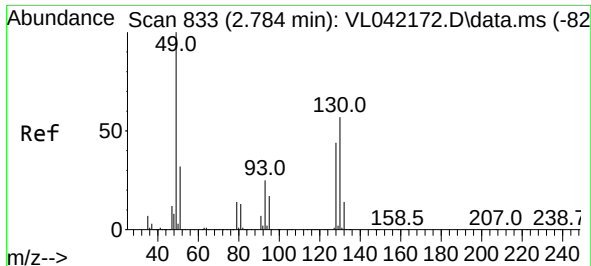
Quant Time: Apr 10 01:41:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.596	75	201536	9.148	ppbv	98
47) 1,1,2-Trichloroethane	6.577	97	172556	11.328	ppbv	98
48) Dibromochloromethane	7.383	129	283271	10.972	ppbv	100
49) Bromoform	9.480	173	254563	10.983	ppbv	99
50) 4-Methyl-2-Pentanone	5.748	43	458113	9.988	ppbv	96
51) 2-Hexanone	7.431	43	365868	9.714	ppbv #	94
52) Tetrachloroethene	8.221	164	148490	9.463	ppbv	96
53) Toluene	6.927	91	476311	10.155	ppbv	99
54) 1,2-Dibromoethane	7.648	107	234607	11.048	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.920	131	237721	12.443	ppbv	99
57) Chlorobenzene	8.917	112	402702	12.233	ppbv	99
58) Ethyl Benzene	9.351	91	687439	11.151	ppbv	98
59) m/p-Xylene	9.548	91	543316	11.037	ppbv #	17
60) o-Xylene	9.959	91	586005	11.875	ppbv	97
61) Styrene	9.865	104	258440	10.586	ppbv	98
62) Isopropylbenzene	10.535	105	877118	11.886	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.959	83	393271	13.116	ppbv	99
64) n-propylbenzene	10.985	120	233492	12.292	ppbv	99
65) tert-Butylbenzene	11.529	119	806218	11.813	ppbv	99
66) Benzyl Chloride	11.613	91	57936	8.000	ppbv	98
67) sec-Butylbenzene	11.765	105	1160994	12.239	ppbv	99
69) p-Isopropyltoluene	11.924	119	980361	12.002	ppbv	99
70) n-Butylbenzene	12.280	91	1015883	12.161	ppbv	99
71) 2-Chlorotoluene	10.898	91	673928	11.767	ppbv	99
72) 4-Ethyltoluene	11.121	105	739552	12.036	ppbv	99
73) 1,3,5-Trimethylbenzene	11.202	105	633137	11.798	ppbv	99
74) 1,2,4-Trimethylbenzene	11.535	105	710091	11.486	ppbv	97
75) 1,3-Dichlorobenzene	11.607	146	426279	12.572	ppbv	99
76) 1,4-Dichlorobenzene	11.668	146	424123	12.569	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	422964	12.812	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	320151	9.527	ppbv	99
79) Naphthalene	13.513	128	717321	10.608	ppbv	100
80) Naphthalene,2-methyl-	14.458	142	230965	6.965	ppbv	98
81) 1,2,4-Trichlorobenzene	13.439	180	325764	10.444	ppbv	99

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

Quant Time: Apr 10 01:41:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
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QLast Update : Fri Mar 28 02:00:52 2025
Response via : Initial Calibration

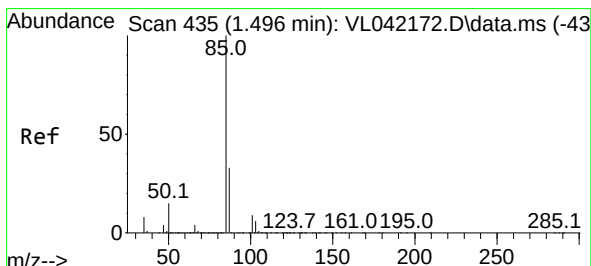
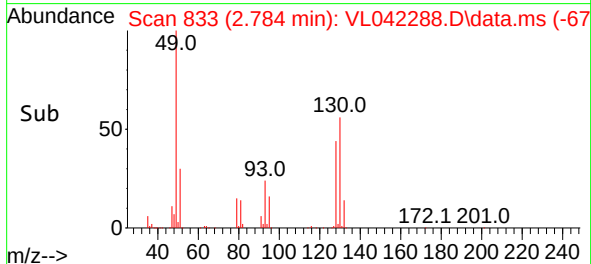
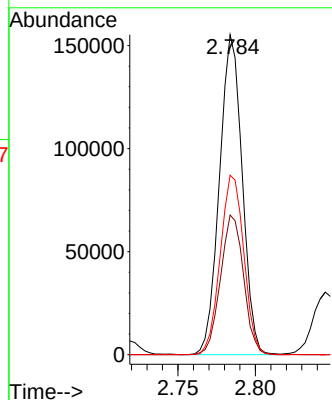
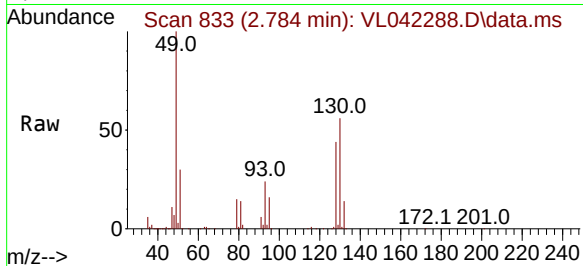




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

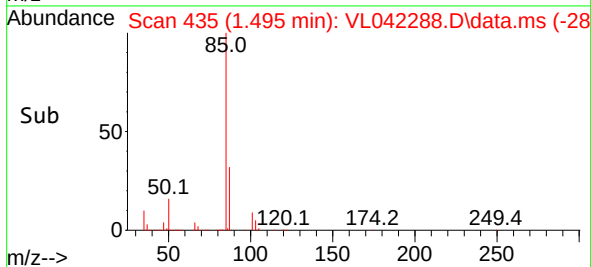
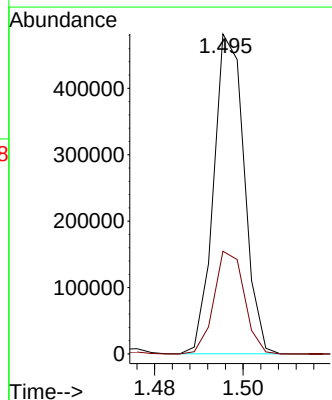
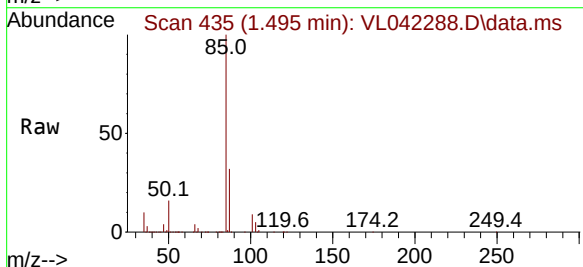
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

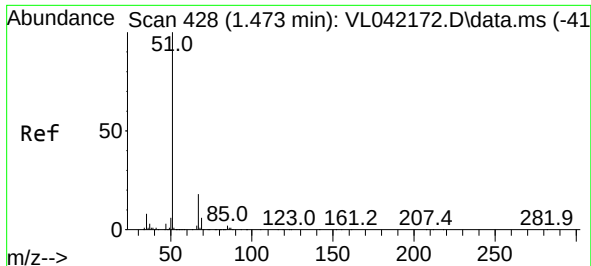
Tgt Ion: 49 Resp: 158607
Ion Ratio Lower Upper
49 100
128 44.2 22.9 68.5
130 58.0 28.8 86.4



#2
Dichlorodifluoromethane
Concen: 9.877 ppbv
RT: 1.495 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 85 Resp: 231302
Ion Ratio Lower Upper
85 100
87 32.1 26.1 39.1

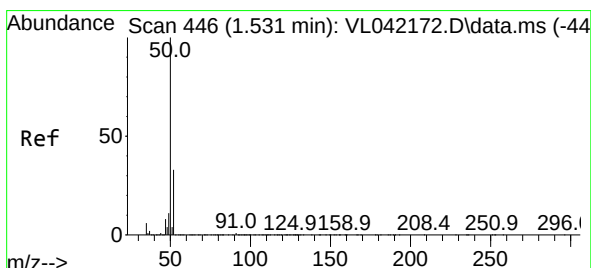
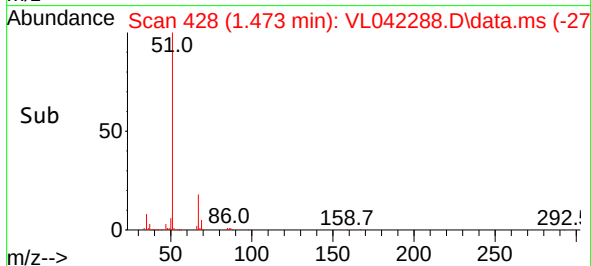
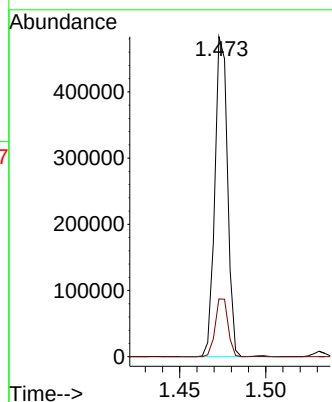
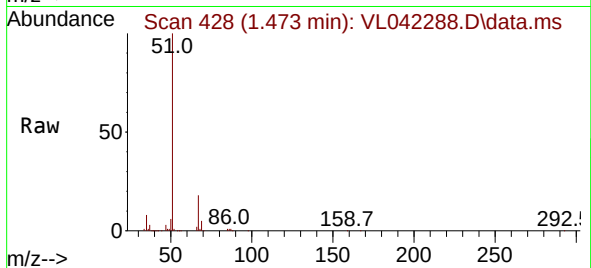




#3
Chlorodifluoromethane
Concen: 10.323 ppbv
RT: 1.473 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

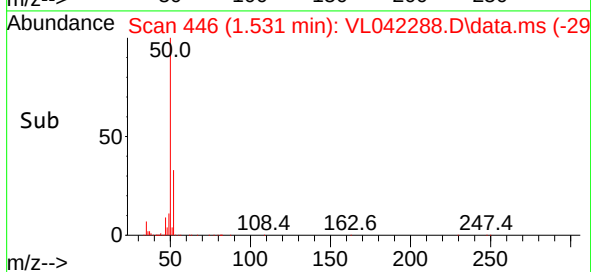
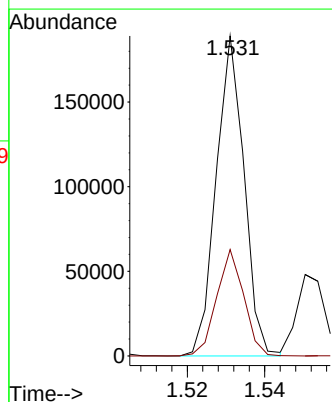
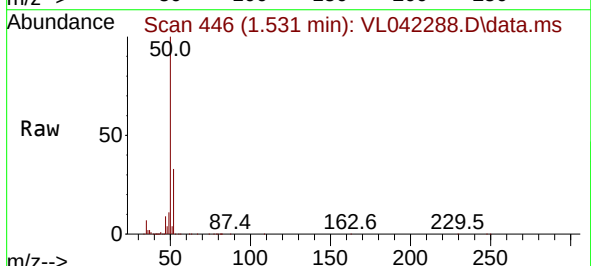
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ClientSampleId :
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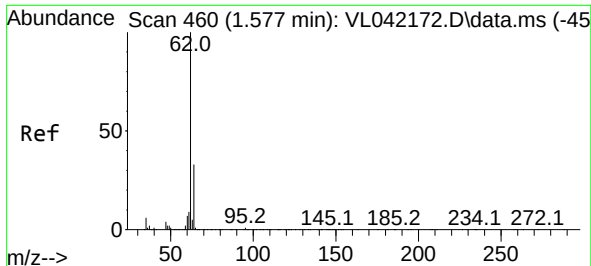
Tgt Ion: 51 Resp: 246971
Ion Ratio Lower Upper
51 100
67 18.3 15.0 22.6



#4
Chloromethane
Concen: 9.894 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 50 Resp: 94690
Ion Ratio Lower Upper
50 100
52 33.2 26.1 39.1

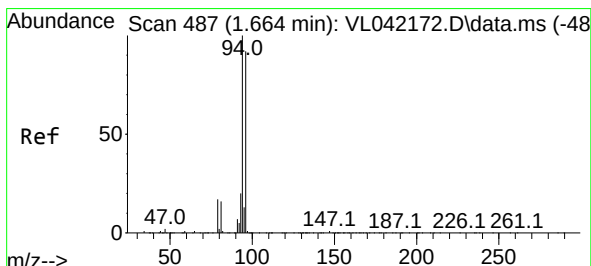
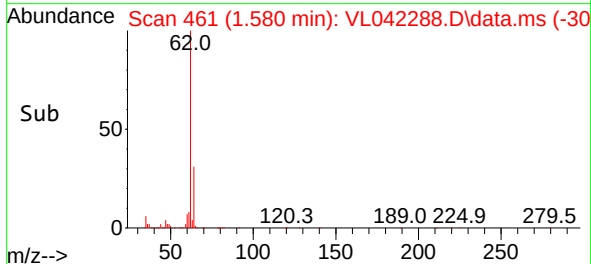
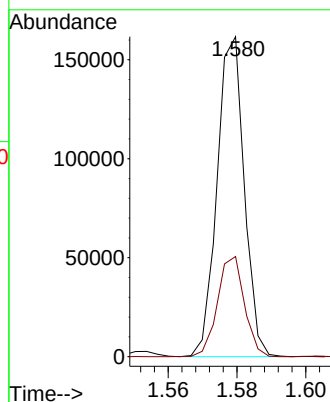
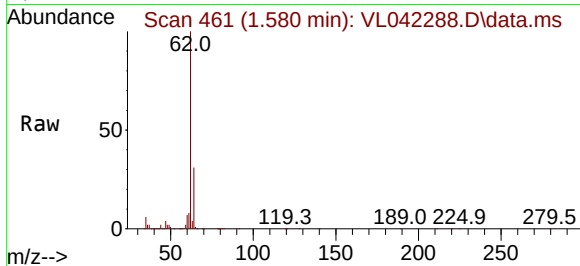




#5
 Vinyl Chloride
 Concen: 8.748 ppbv
 RT: 1.580 min Scan# 461
 Delta R.T. 0.003 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

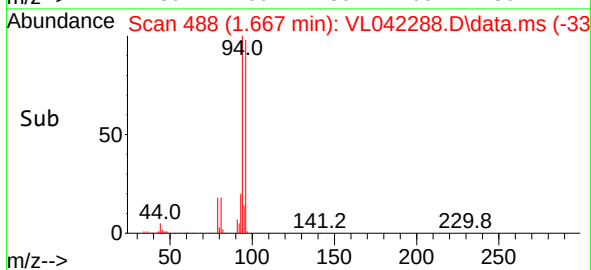
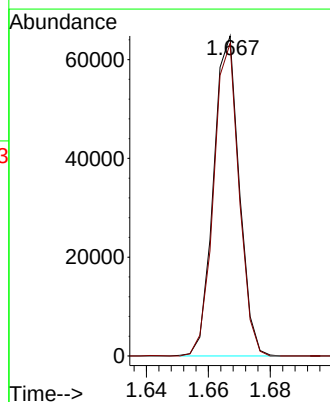
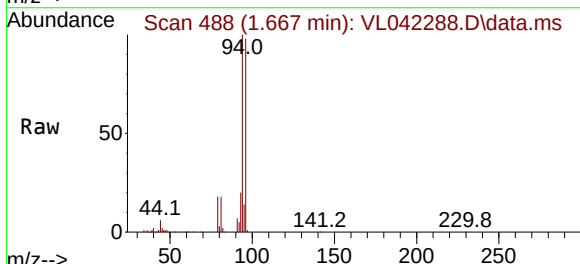
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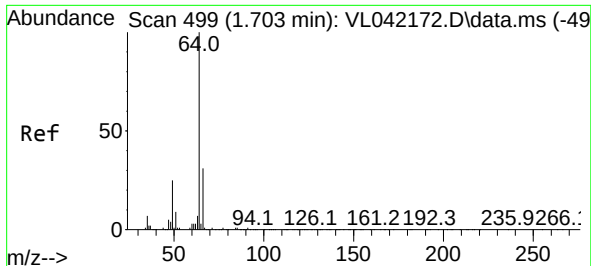
Tgt Ion: 62 Resp: 88718
 Ion Ratio Lower Upper
 62 100
 64 31.3 26.6 40.0



#6
 Bromomethane
 Concen: 8.620 ppbv
 RT: 1.667 min Scan# 488
 Delta R.T. 0.003 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Tgt Ion: 94 Resp: 37387
 Ion Ratio Lower Upper
 94 100
 96 97.6 73.1 109.7

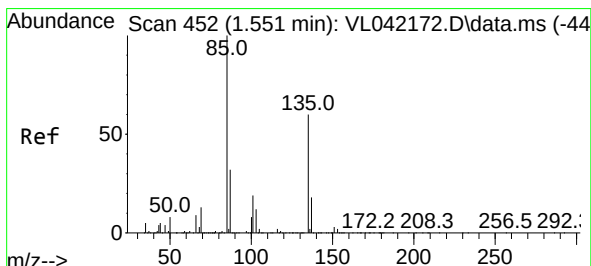
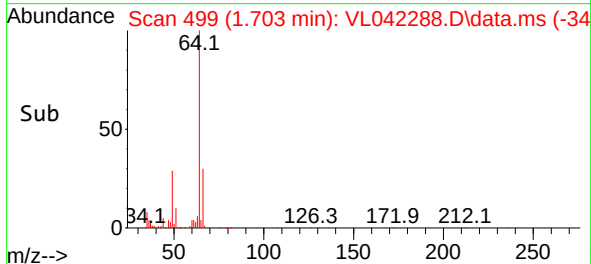
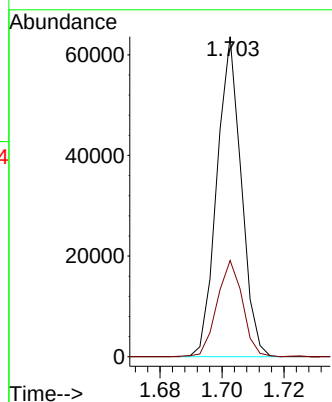
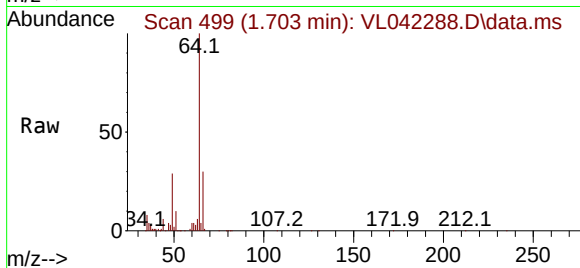




#7
Chloroethane
Concen: 9.038 ppbv
RT: 1.703 min Scan# 499
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

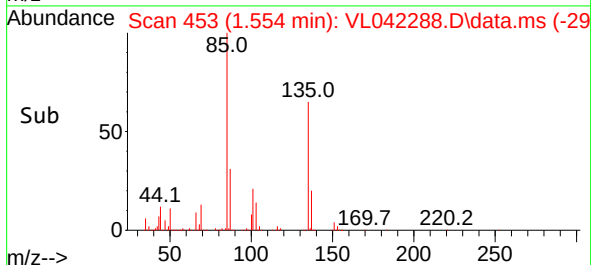
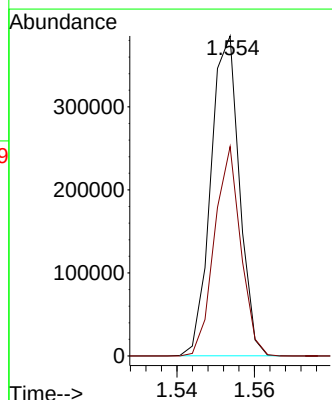
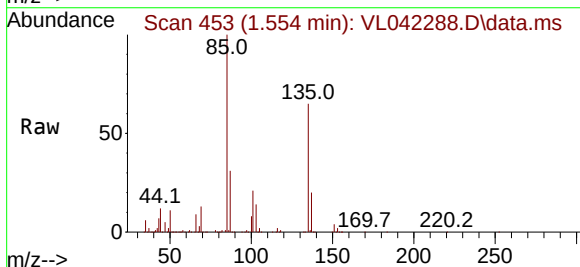
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ClientSampleId :
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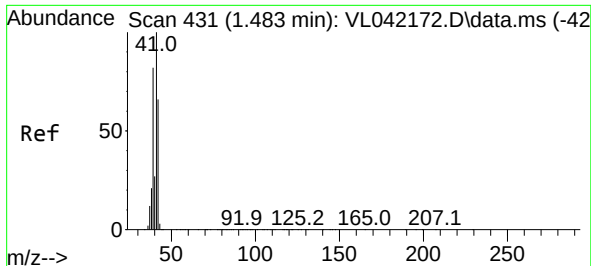
Tgt Ion: 64 Resp: 34720
Ion Ratio Lower Upper
64 100
66 30.1 25.2 37.8



#8
Dichlorotetrafluoroethane
Concen: 9.889 ppbv
RT: 1.554 min Scan# 453
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 85 Resp: 197213
Ion Ratio Lower Upper
85 100
135 60.3 52.4 78.6





#9

Propene

Concen: 8.423 ppbv

RT: 1.482 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_1

ClientSampleId :

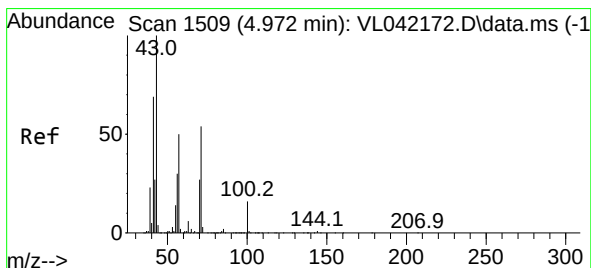
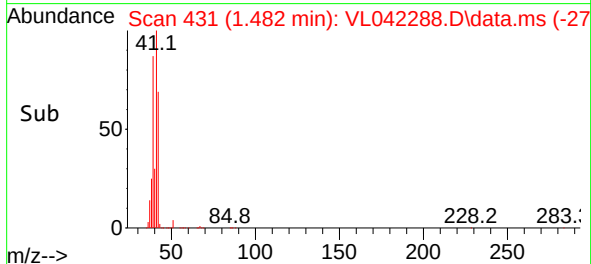
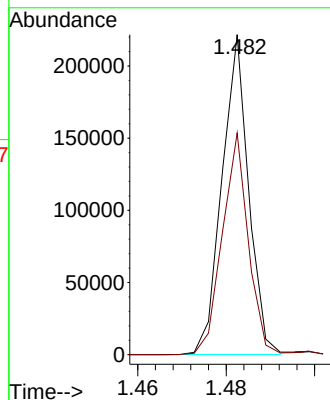
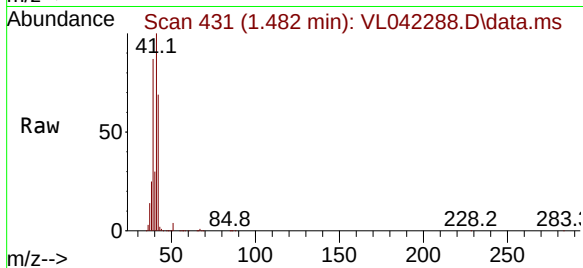
VL0409ABS01

Tgt Ion: 41 Resp: 92366

Ion Ratio Lower Upper

41 100

42 69.1 55.4 83.2



#10

Heptane

Concen: 9.836 ppbv

RT: 4.972 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VL042288.D

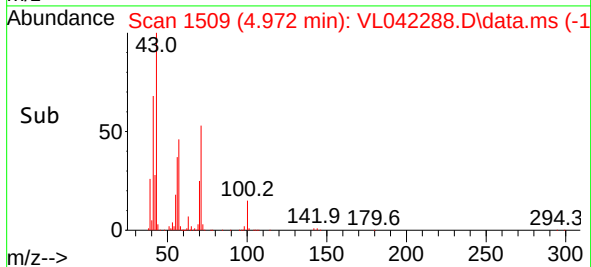
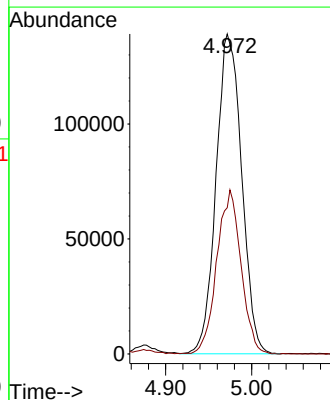
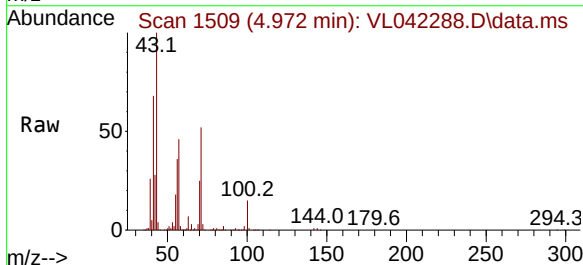
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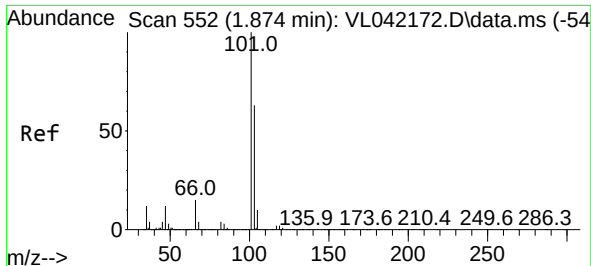
Tgt Ion: 43 Resp: 286886

Ion Ratio Lower Upper

43 100

57 48.6 39.4 59.2

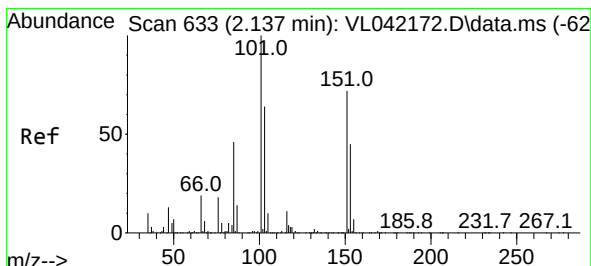
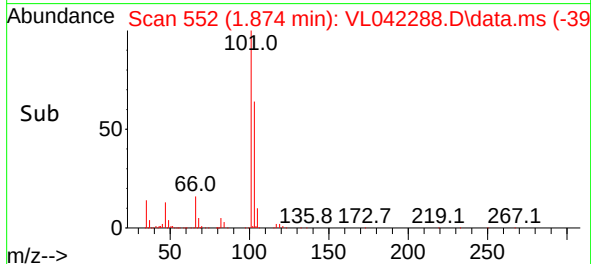
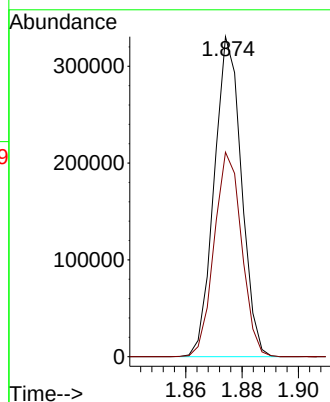
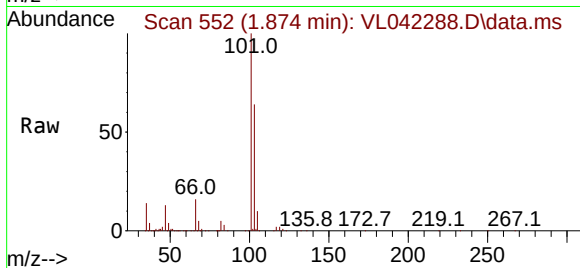




#11
 Trichlorofluoromethane
 Concen: 9.742 ppbv
 RT: 1.874 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

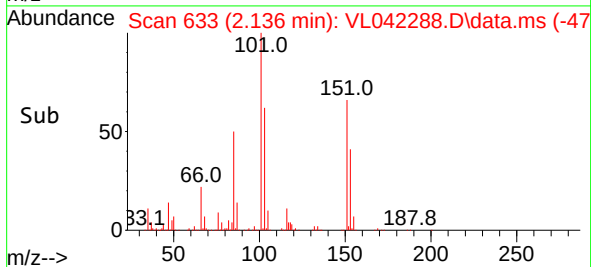
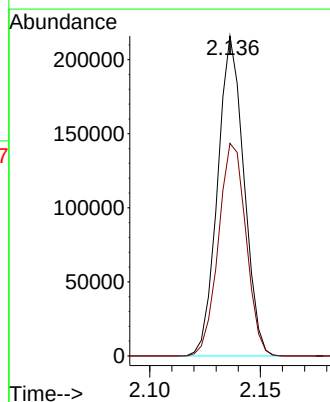
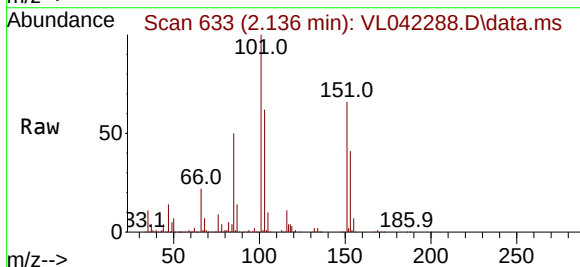
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0409ABS01

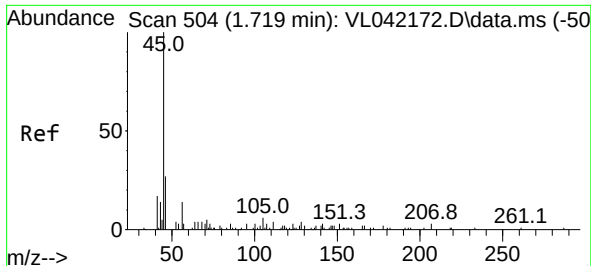
Tgt Ion:101 Resp: 221983
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.2 75.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.550 ppbv
 RT: 2.136 min Scan# 633
 Delta R.T. -0.000 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Tgt Ion:101 Resp: 178880
 Ion Ratio Lower Upper
 101 100
 151 69.6 57.1 85.7

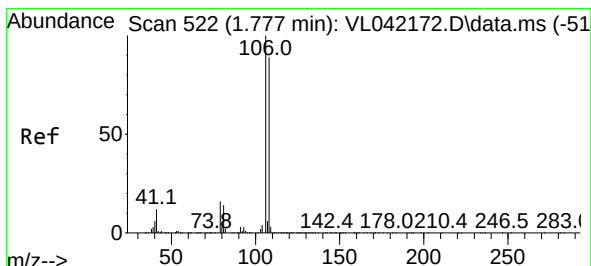
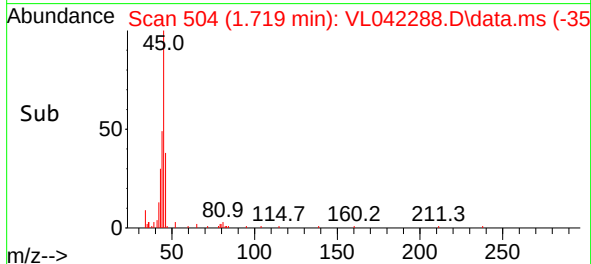
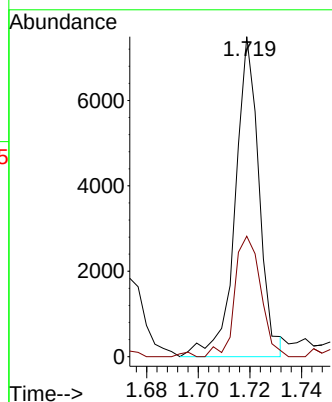
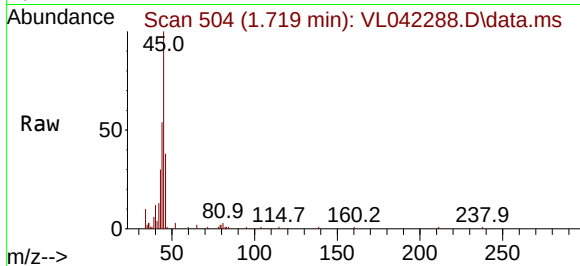




#13
Ethanol
Concen: 4.645 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

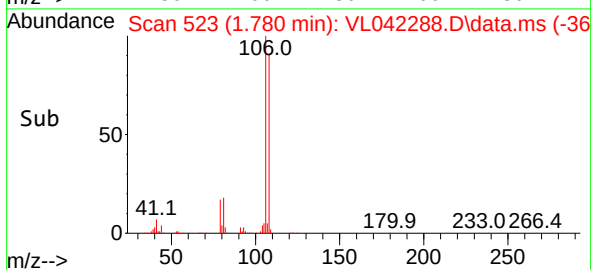
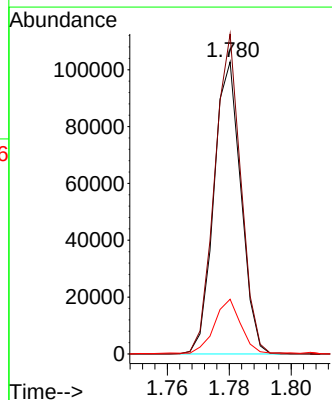
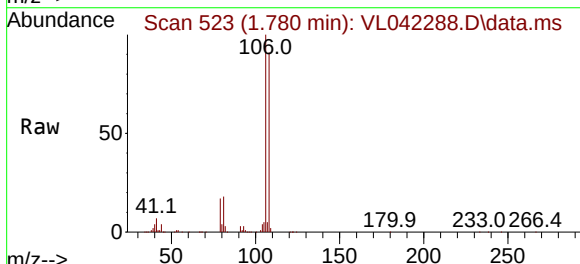
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

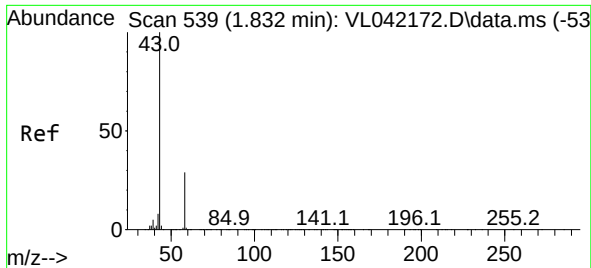
Tgt Ion: 45 Resp: 4815
Ion Ratio Lower Upper
45 100
46 44.1 20.2 80.8



#14
Bromoethene
Concen: 8.672 ppbv
RT: 1.780 min Scan# 523
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 108 Resp: 62224
Ion Ratio Lower Upper
108 100
106 106.3 86.8 130.2
79 19.7 15.0 22.6

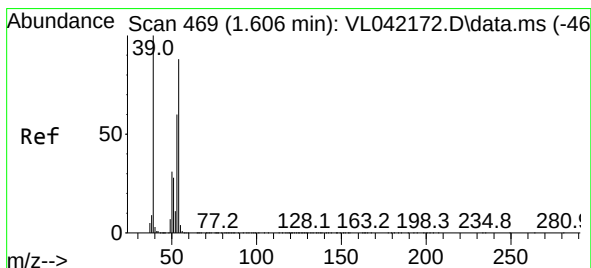
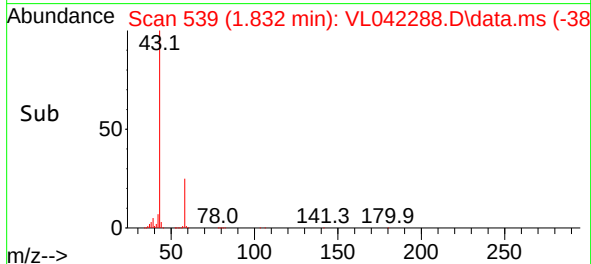
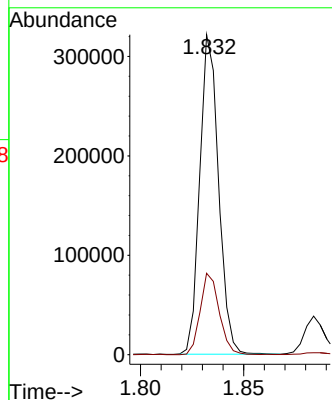
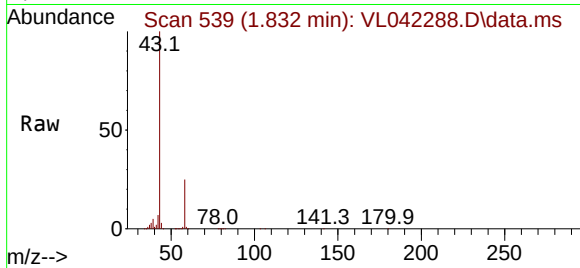




#15
Acetone
Concen: 9.160 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

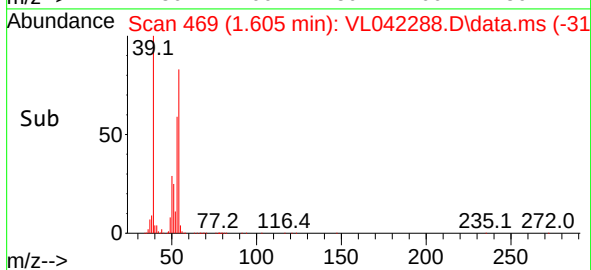
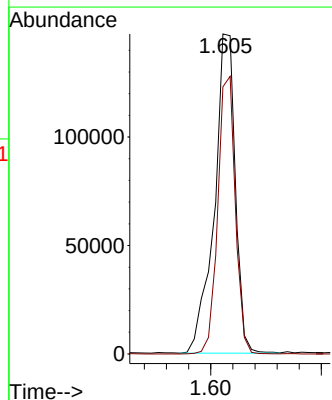
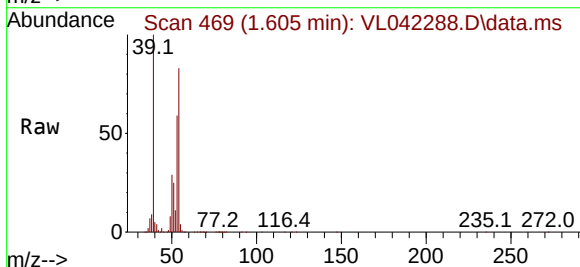
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

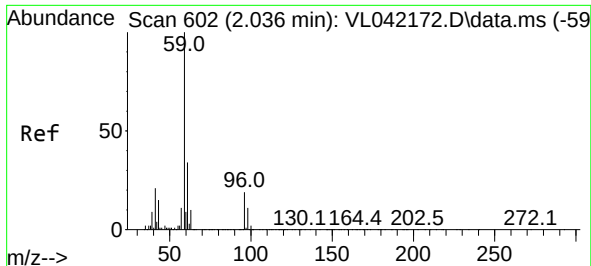
Tgt Ion: 43 Resp: 203183
Ion Ratio Lower Upper
43 100
58 25.9 23.2 34.8



#16
1,3-Butadiene
Concen: 8.990 ppbv
RT: 1.605 min Scan# 469
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 39 Resp: 97390
Ion Ratio Lower Upper
39 100
54 72.5 60.7 91.1





#17

tert-Butyl alcohol

Concen: 8.255 ppbv

RT: 2.039 min Scan# 60

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

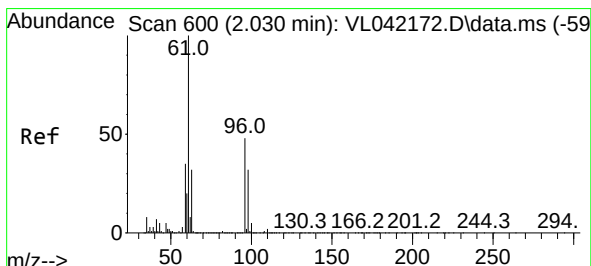
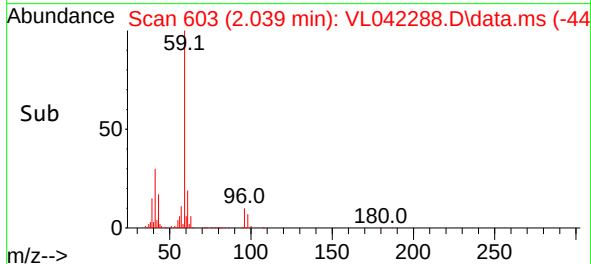
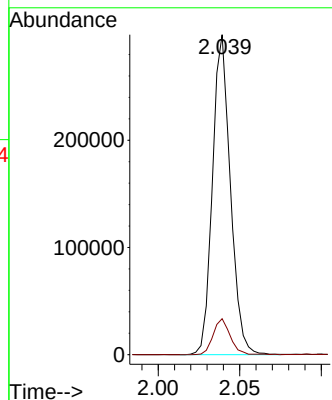
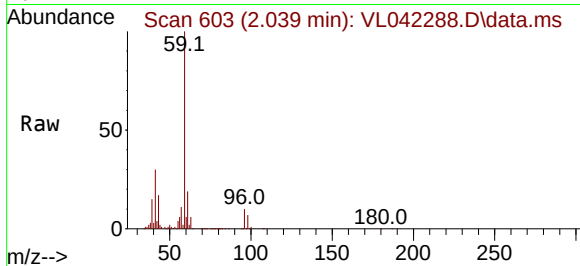
VL0409ABS01

Tgt Ion: 59 Resp: 228072

Ion Ratio Lower Upper

59 100

57 10.8 8.9 13.3



#18

1,1-Dichloroethene

Concen: 8.972 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

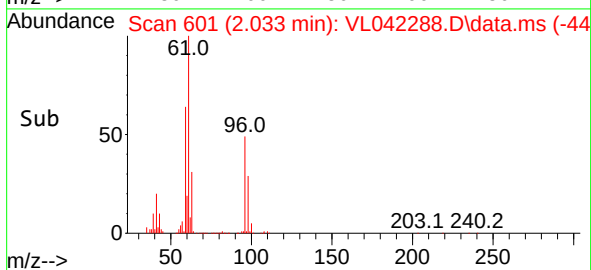
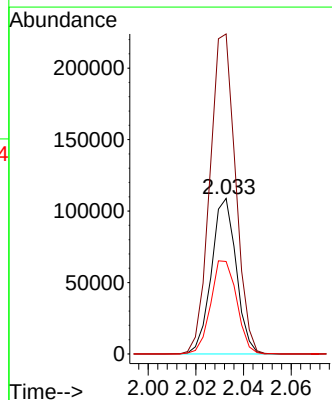
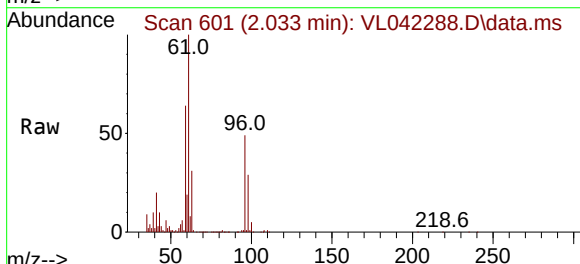
Tgt Ion: 96 Resp: 78555

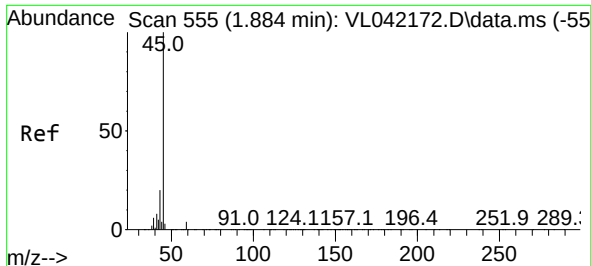
Ion Ratio Lower Upper

96 100

61 205.8 167.6 251.4

98 59.5 53.5 80.3

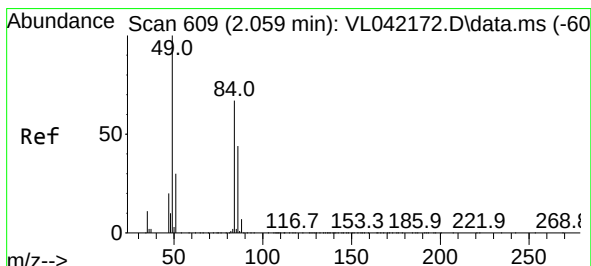
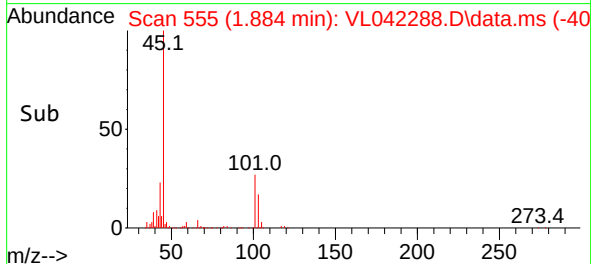
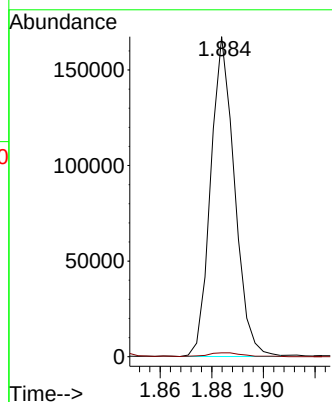
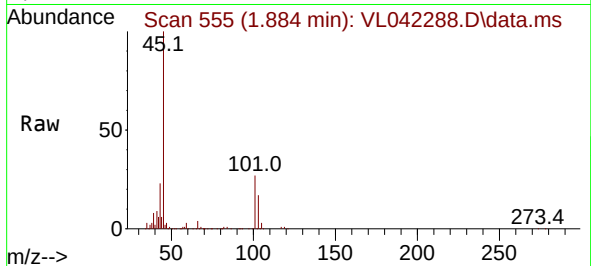




#19
Isopropyl Alcohol
Concen: 8.582 ppbv
RT: 1.884 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

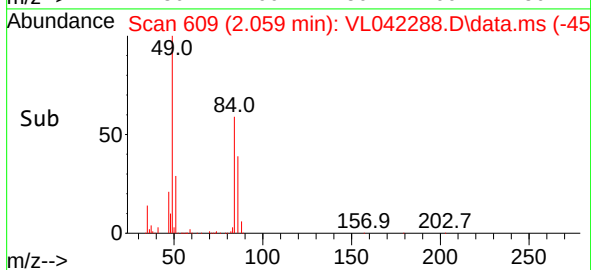
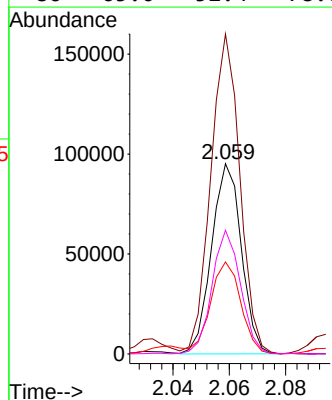
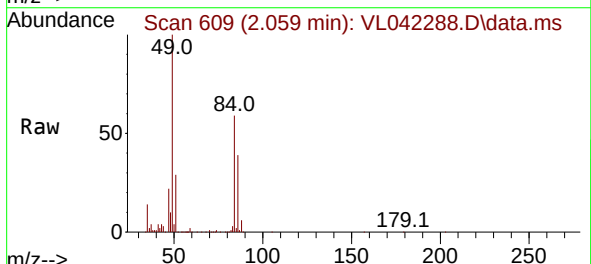
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

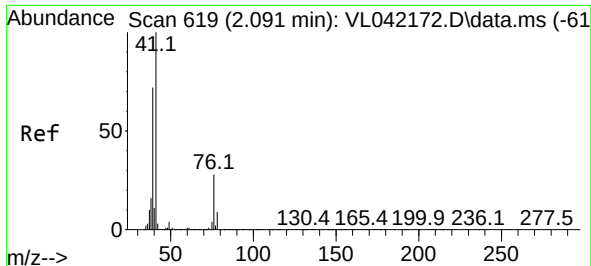
Tgt Ion: 45 Resp: 107415
Ion Ratio Lower Upper
45 100
58 49.1 36.9 55.3



#20
Methylene Chloride
Concen: 8.463 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 84 Resp: 69914
Ion Ratio Lower Upper
84 100
49 168.1 120.2 180.4
51 48.2 37.4 56.0
86 65.0 52.4 78.6

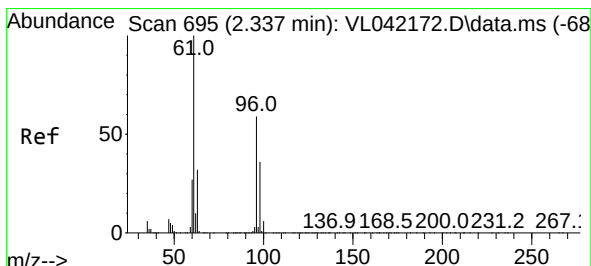
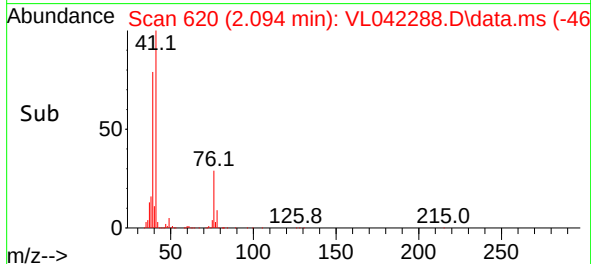
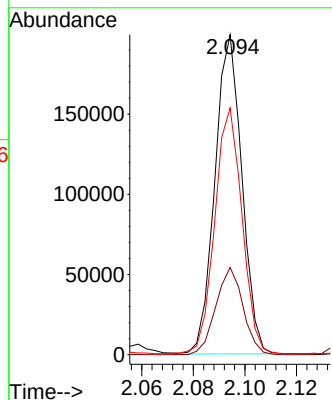
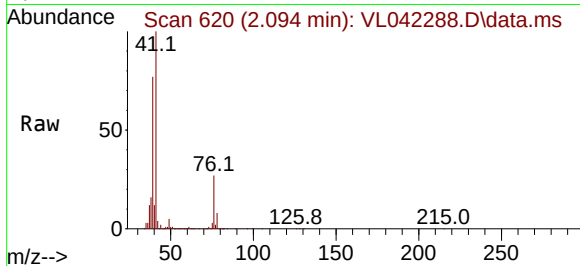




#21
 Allyl Chloride
 Concen: 9.227 ppbv
 RT: 2.094 min Scan# 619
 Delta R.T. 0.003 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

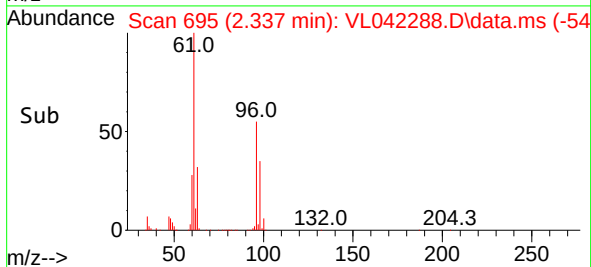
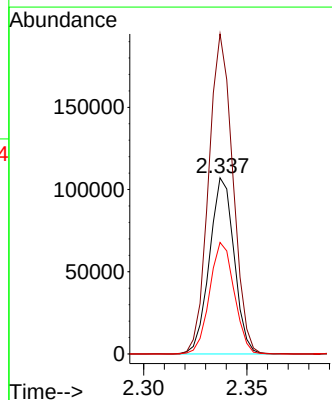
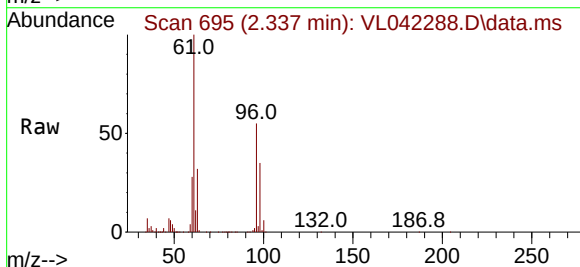
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0409ABS01

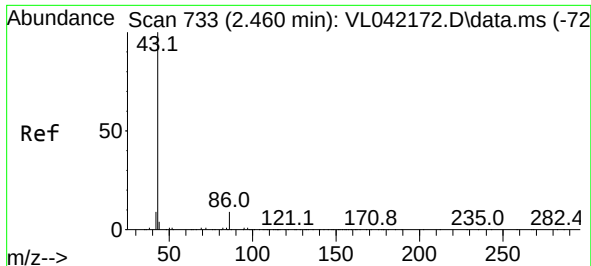
Tgt Ion: 41 Resp: 144348
 Ion Ratio Lower Upper
 41 100
 76 27.6 24.1 36.1
 39 77.9 61.1 91.7



#22
 trans-1,2-Dichloroethene
 Concen: 8.800 ppbv
 RT: 2.337 min Scan# 695
 Delta R.T. -0.000 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Tgt Ion: 96 Resp: 89052
 Ion Ratio Lower Upper
 96 100
 61 181.4 136.6 204.8
 98 63.3 49.4 74.2

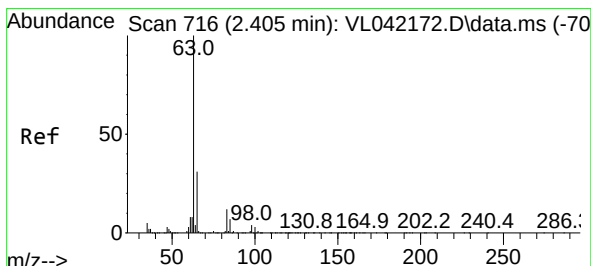
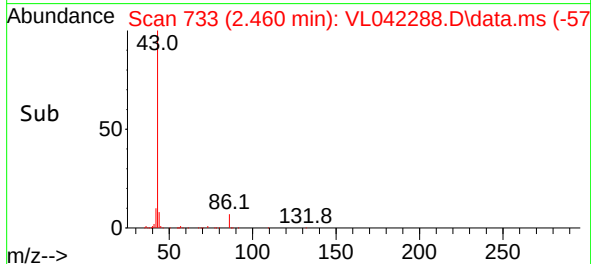
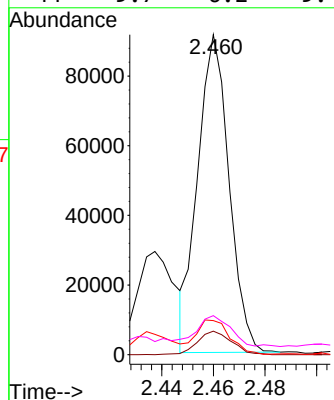
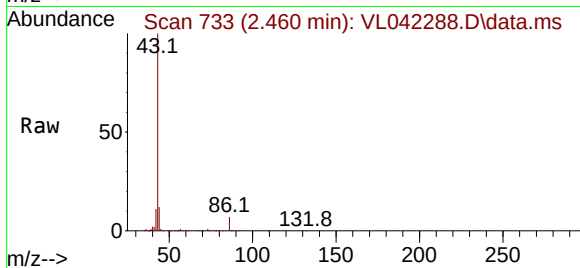




#23
 Vinyl Acetate
 Concen: 7.999 ppbv
 RT: 2.460 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

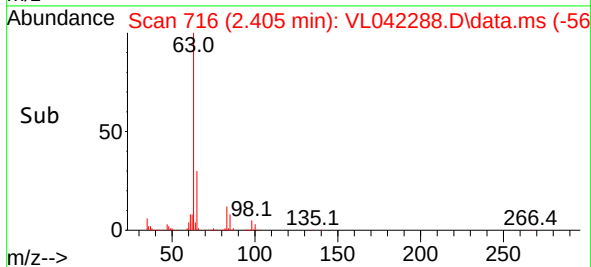
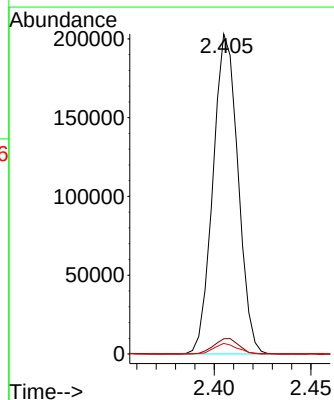
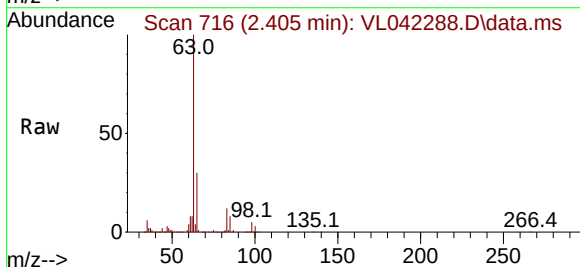
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0409ABS01

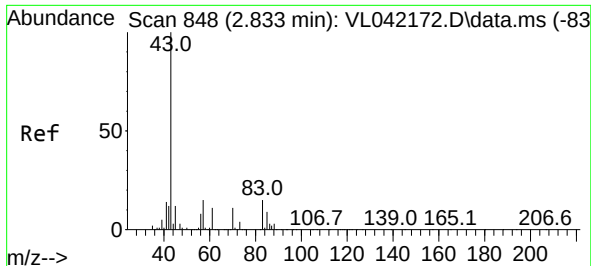
Tgt Ion:	43	Resp:	76797
Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.5	8.3
42	10.5	8.6	13.0
44	9.7	6.2	9.4



#24
 1,1-Dichloroethane
 Concen: 9.730 ppbv
 RT: 2.405 min Scan# 716
 Delta R.T. -0.000 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Tgt Ion:	63	Resp:	182520
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.3	6.8
100	3.3	1.6	4.7

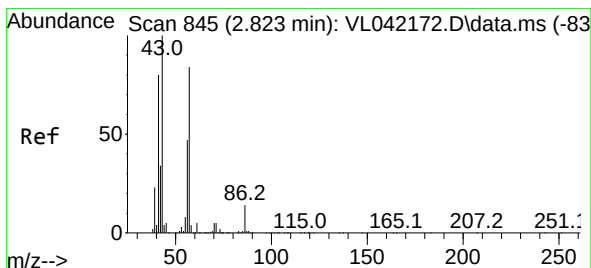
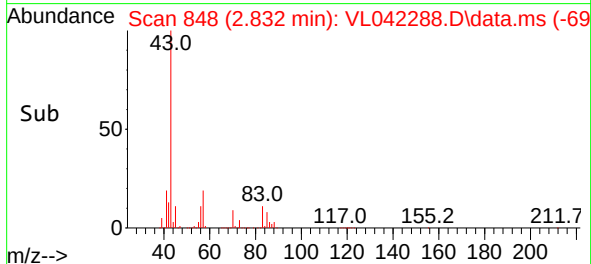
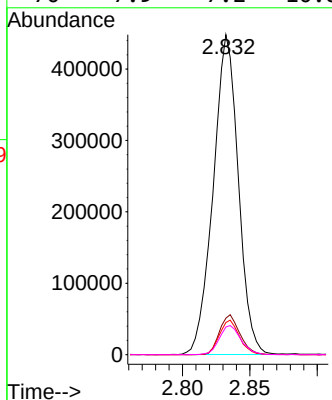
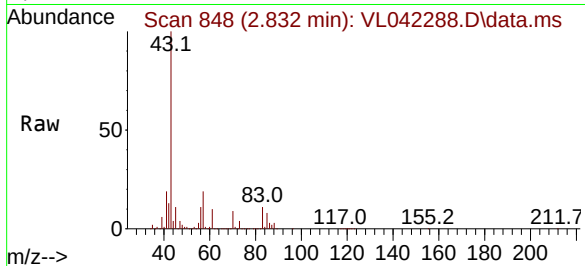




#25
Ethyl Acetate
Concen: 10.071 ppbv
RT: 2.832 min Scan# 848
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

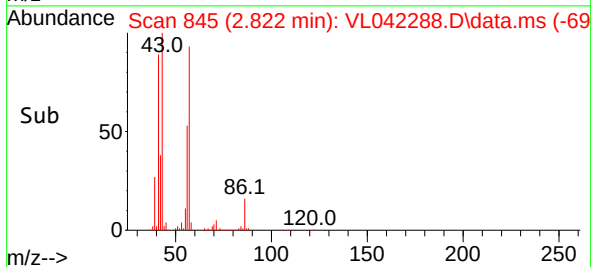
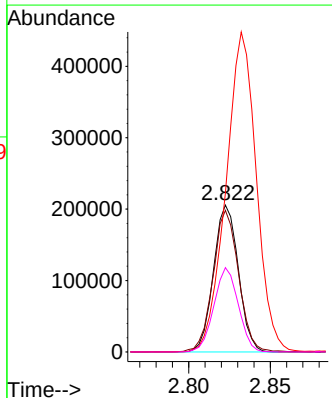
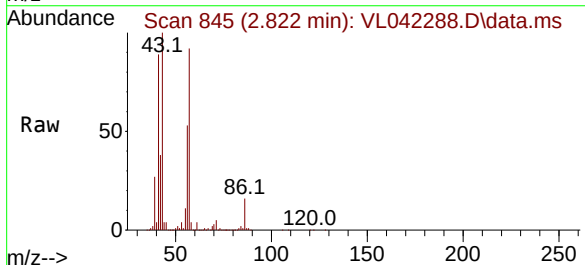
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

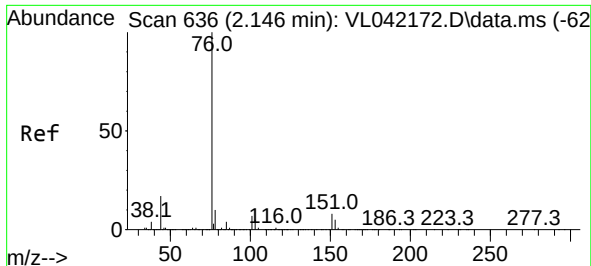
Tgt Ion: 43 Resp: 579774
Ion Ratio Lower Upper
43 100
45 10.2 8.2 12.2
61 8.7 7.3 10.9
70 7.9 7.2 10.8



#26
Hexane
Concen: 9.771 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 57 Resp: 217275
Ion Ratio Lower Upper
57 100
41 99.5 76.6 114.8
43 268.5 207.8 311.8
56 56.8 43.6 65.4

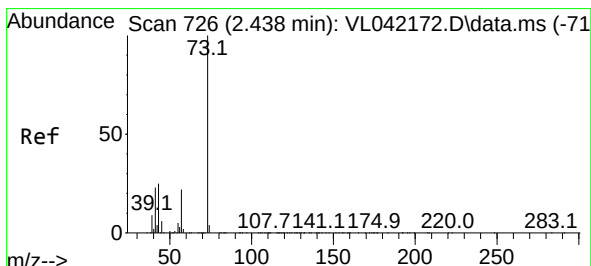
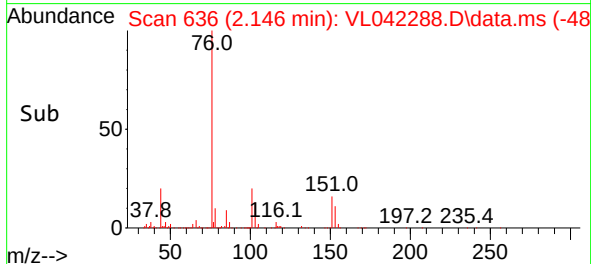
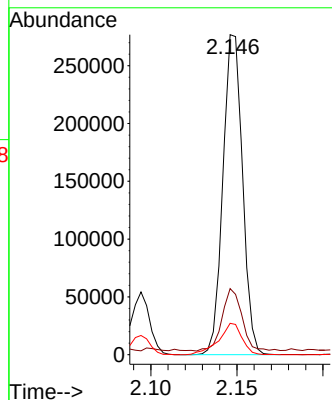
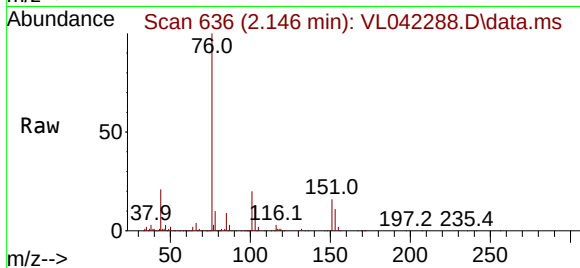




#27
Carbon Disulfide
Concen: 9.210 ppbv
RT: 2.146 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

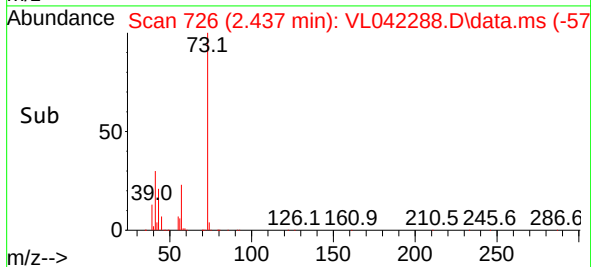
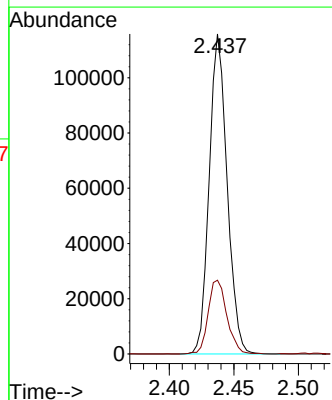
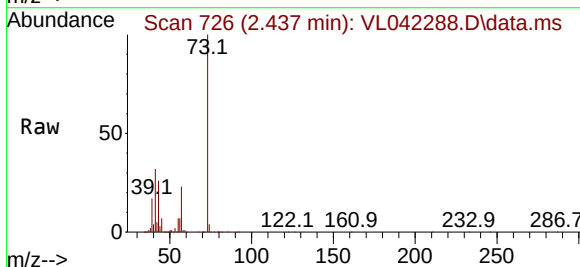
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABS01

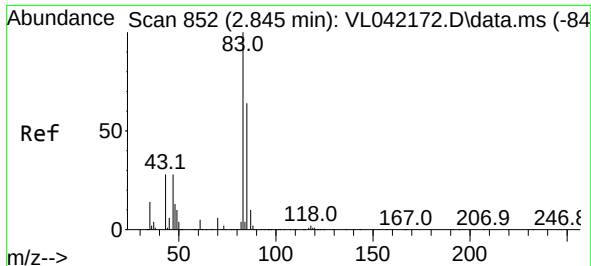
Tgt Ion: 76 Resp: 219626
Ion Ratio Lower Upper
76 100
44 21.8 14.7 22.1
78 11.6 9.3 13.9



#28
Methyl tert-Butyl Ether
Concen: 8.105 ppbv
RT: 2.437 min Scan# 726
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 73 Resp: 112219
Ion Ratio Lower Upper
73 100
57 24.1 20.5 30.7





#29

Chloroform

Concen: 10.617 ppbv

RT: 2.845 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

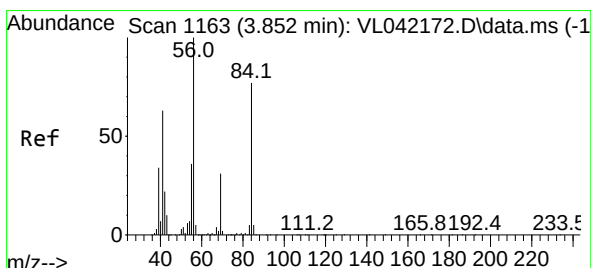
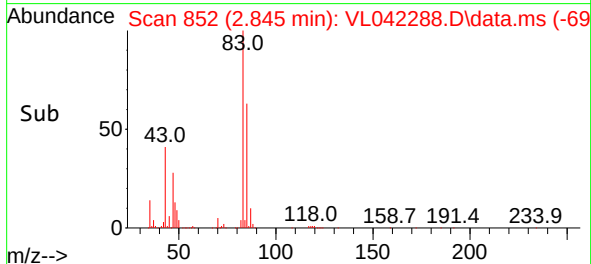
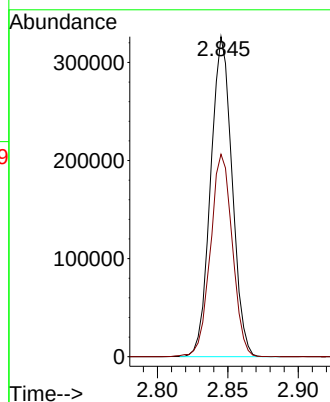
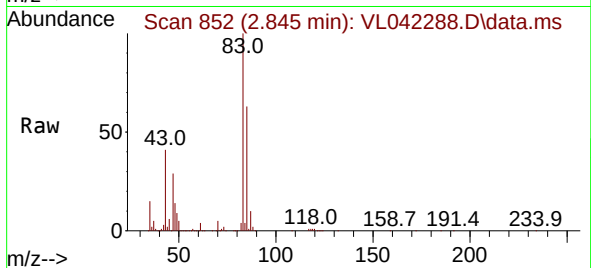
VL0409ABS01

Tgt Ion: 83 Resp: 345539

Ion Ratio Lower Upper

83 100

85 63.2 51.4 77.2



#30

Cyclohexane

Concen: 9.146 ppbv

RT: 3.852 min Scan# 1163

Delta R.T. -0.000 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

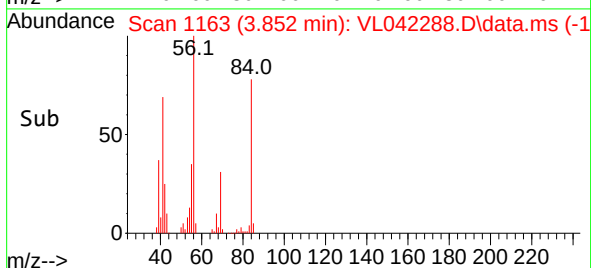
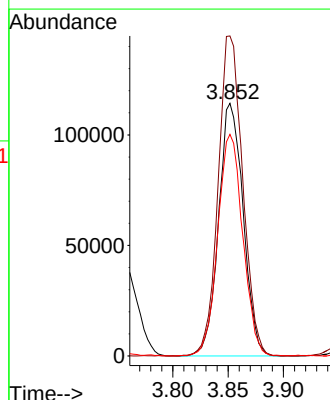
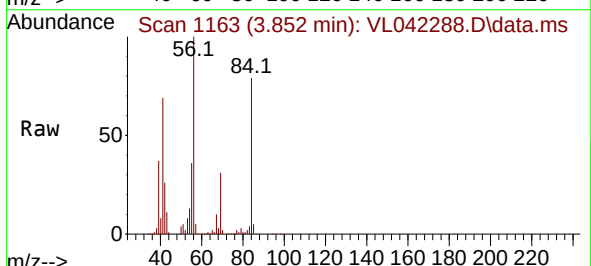
Tgt Ion: 84 Resp: 176612

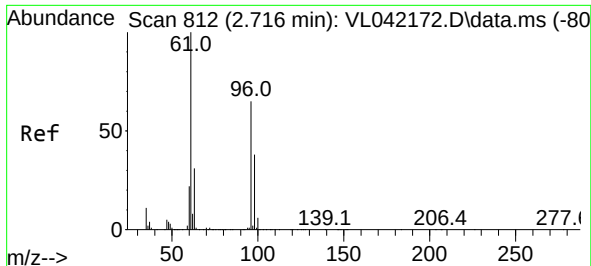
Ion Ratio Lower Upper

84 100

56 126.6 102.8 154.2

41 89.0 66.5 99.7

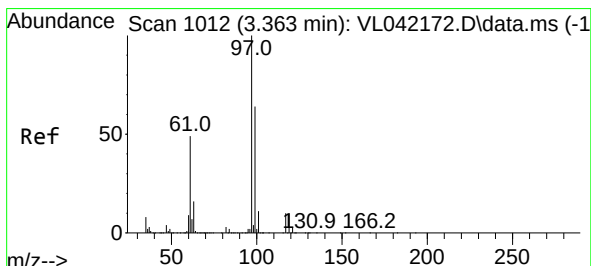
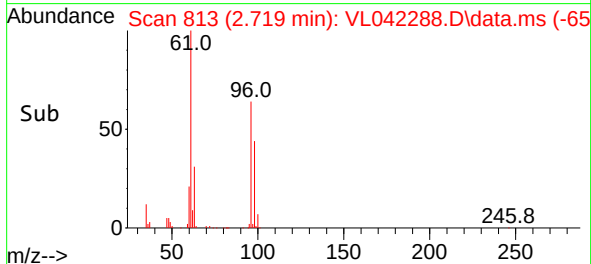
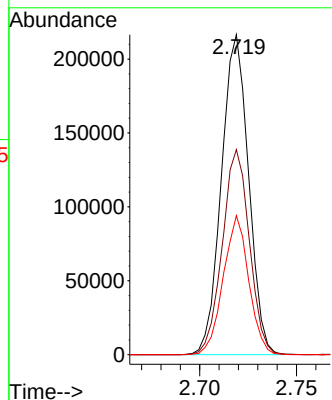
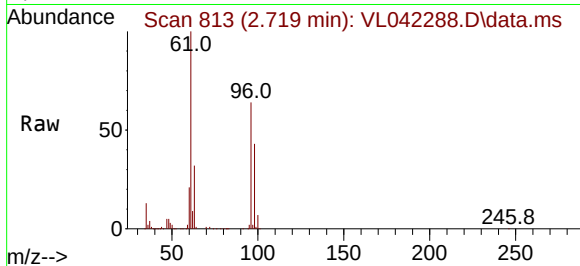




#31
 cis-1,2-Dichloroethene
 Concen: 9.364 ppbv
 RT: 2.719 min Scan# 812
 Delta R.T. 0.003 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

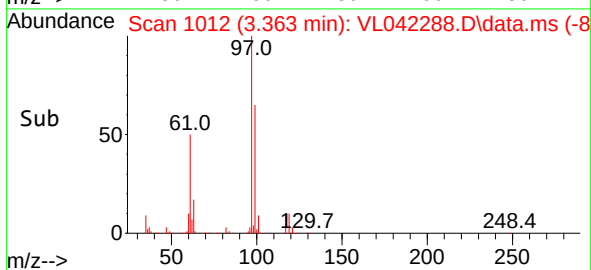
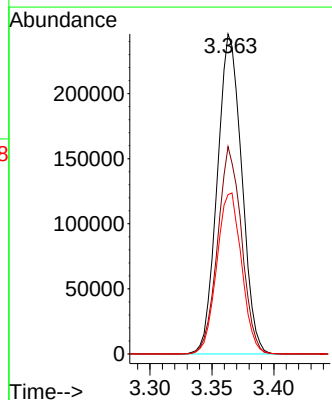
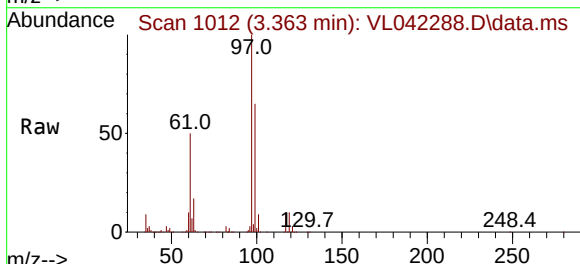
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

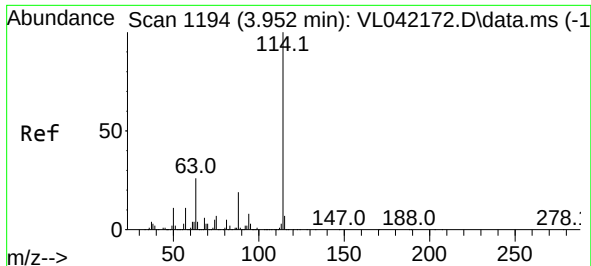
Tgt Ion: 61 Resp: 211391
 Ion Ratio Lower Upper
 61 100
 96 64.1 51.8 77.8
 98 43.4 30.6 46.0



#32
 1,1,1-Trichloroethane
 Concen: 9.077 ppbv
 RT: 3.363 min Scan# 1012
 Delta R.T. -0.000 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Tgt Ion: 97 Resp: 338190
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.5 77.3
 61 51.2 38.7 58.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.955 min Scan# 1194

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

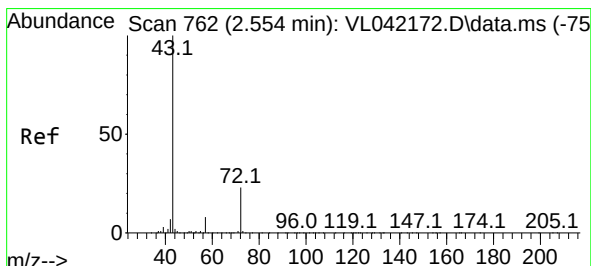
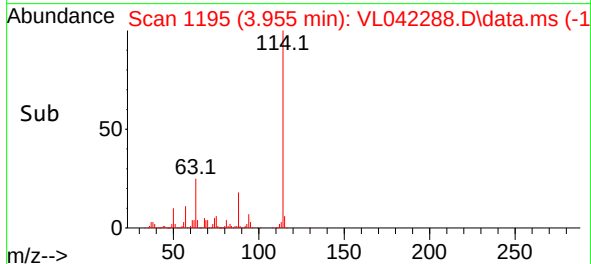
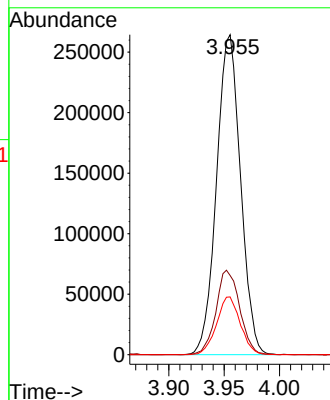
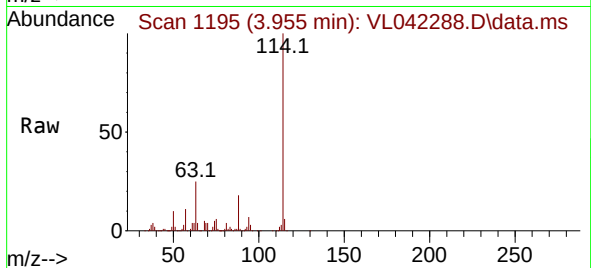
Tgt Ion:114 Resp: 399129

Ion Ratio Lower Upper

114 100

63 26.2 20.7 31.1

88 17.8 15.0 22.4



#34

2-Butanone

Concen: 11.104 ppbv

RT: 2.554 min Scan# 762

Delta R.T. -0.000 min

Lab File: VL042288.D

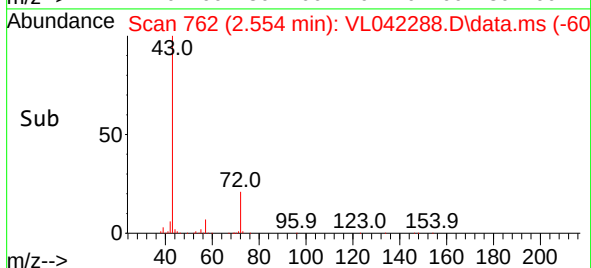
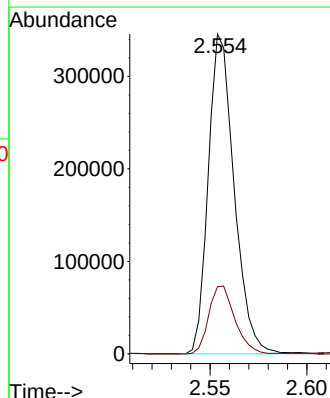
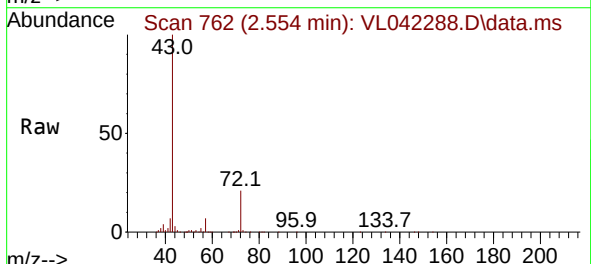
Acq: 09 Apr 2025 11:46

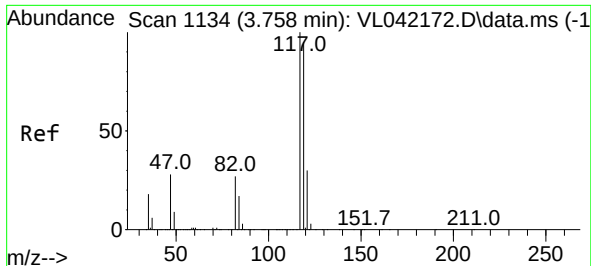
Tgt Ion: 43 Resp: 321361

Ion Ratio Lower Upper

43 100

72 21.7 18.2 27.2

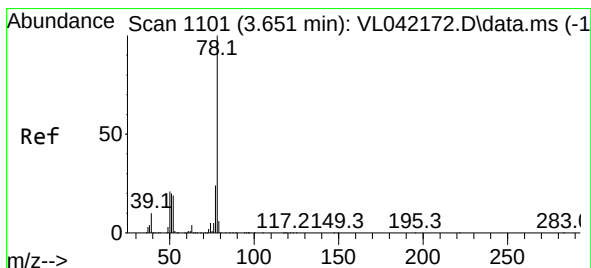
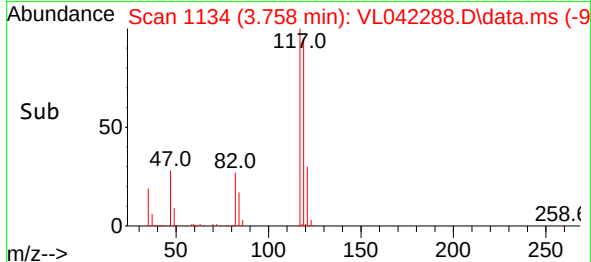
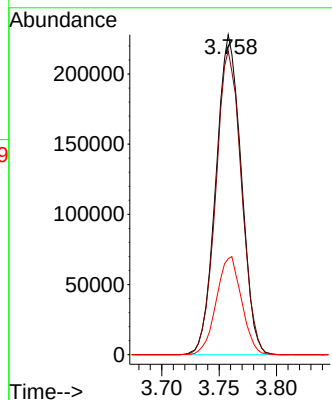
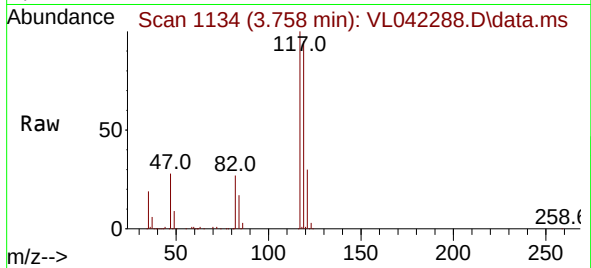




#35
Carbon Tetrachloride
Concen: 11.210 ppbv
RT: 3.758 min Scan# 1134
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

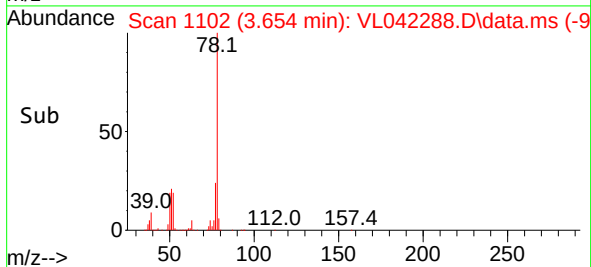
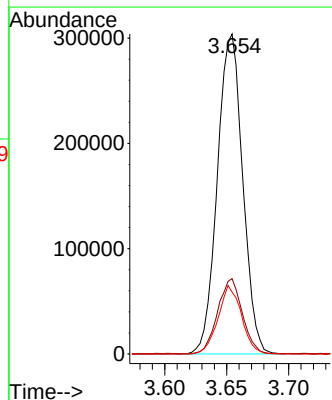
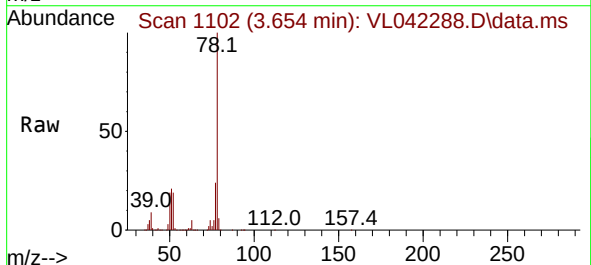
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

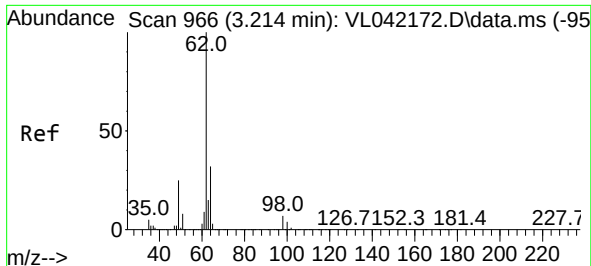
Tgt Ion:117 Resp: 349527
Ion Ratio Lower Upper
117 100
119 94.9 76.2 114.2
121 30.0 24.2 36.4



#36
Benzene
Concen: 10.964 ppbv
RT: 3.654 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 78 Resp: 433844
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7
50 19.3 16.6 24.8

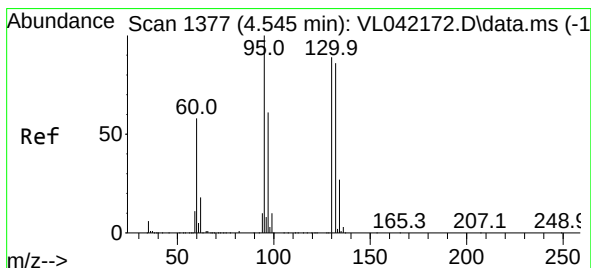
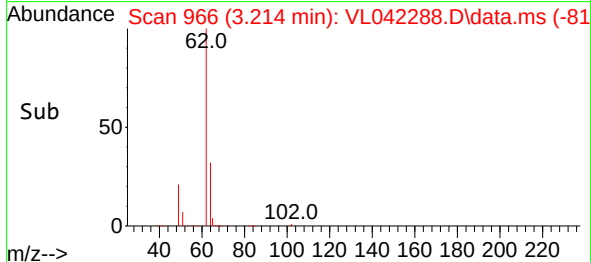
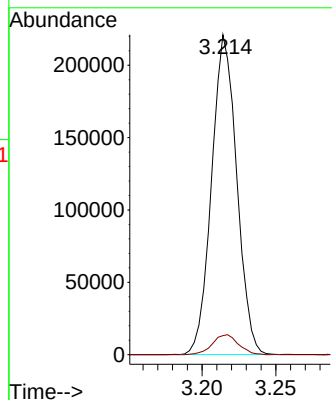
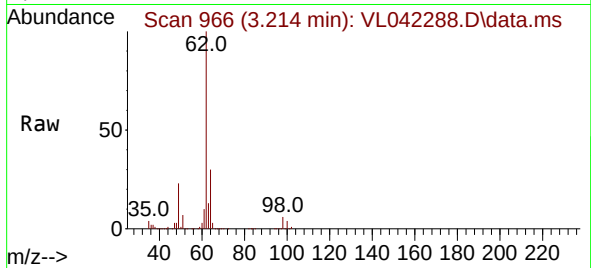




#37
1,2-Dichloroethane
Concen: 11.561 ppbv
RT: 3.214 min Scan# 966
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

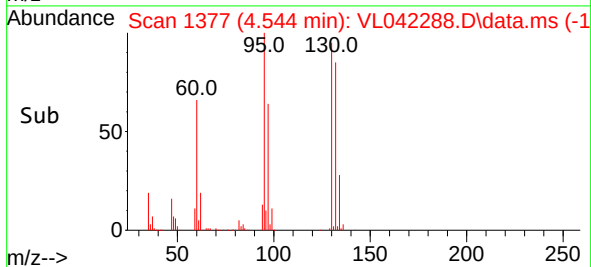
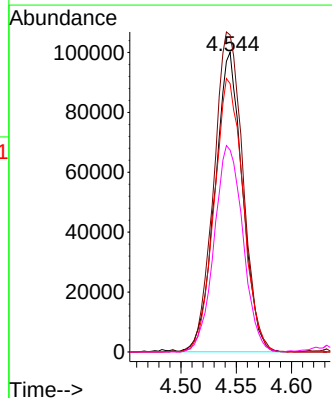
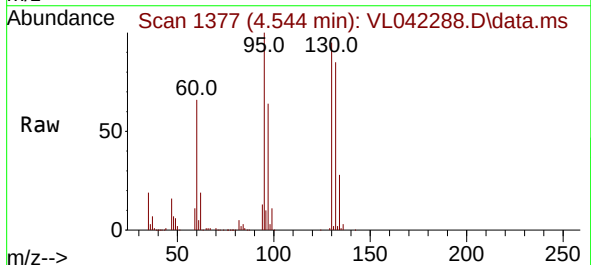
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABS01

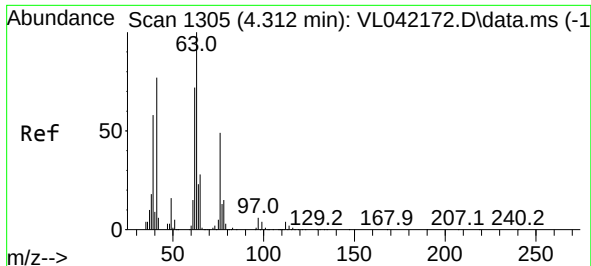
Tgt Ion: 62 Resp: 261897
Ion Ratio Lower Upper
62 100
98 6.5 5.4 8.2



#38
Trichloroethene
Concen: 10.500 ppbv
RT: 4.544 min Scan# 1377
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion:130 Resp: 173360
Ion Ratio Lower Upper
130 100
95 105.6 89.8 134.8
132 89.6 77.4 116.2
97 67.4 55.1 82.7





#39

1,2-Dichloropropane

Concen: 11.082 ppbv

RT: 4.311 min Scan# 1

Delta R.T. -0.000 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

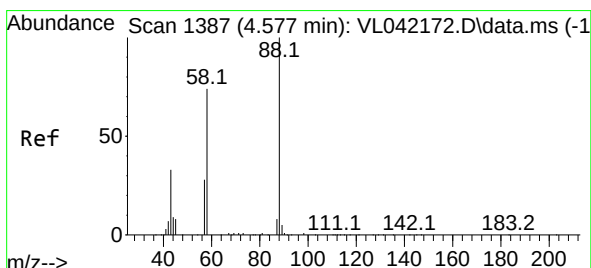
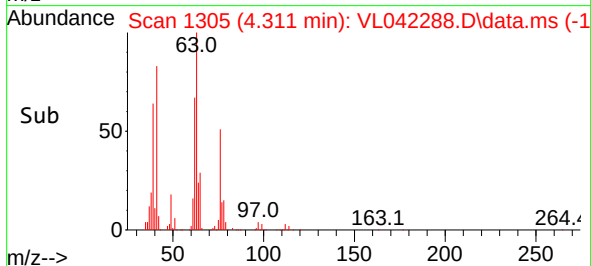
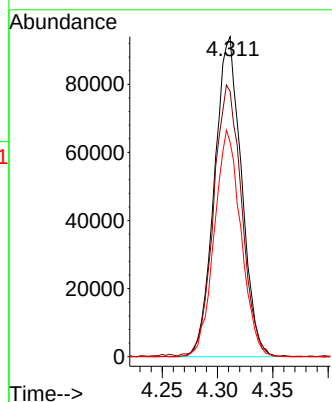
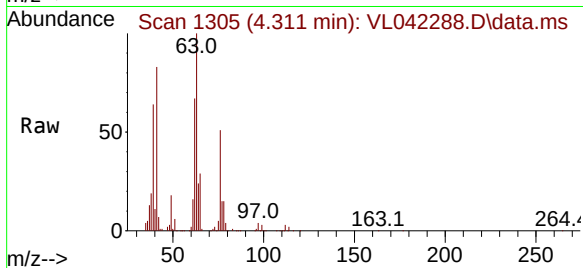
Tgt Ion: 63 Resp: 159695

Ion Ratio Lower Upper

63 100

41 82.7 61.7 92.5

62 66.9 57.6 86.4



#40

1,4-Dioxane

Concen: 9.338 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.000 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Tgt Ion: 88 Resp: 71420

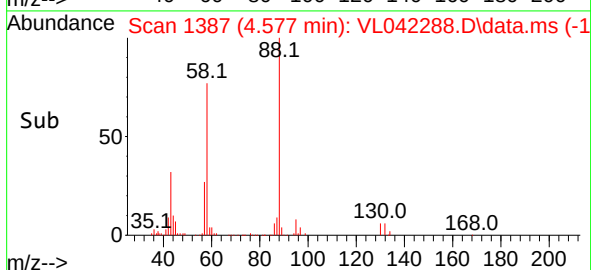
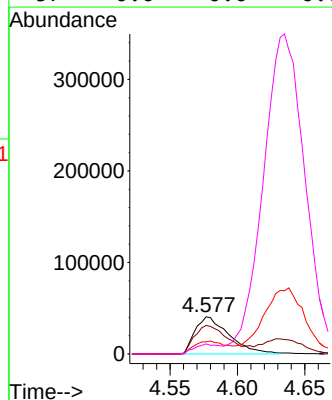
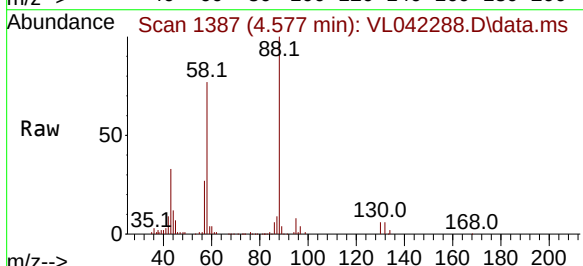
Ion Ratio Lower Upper

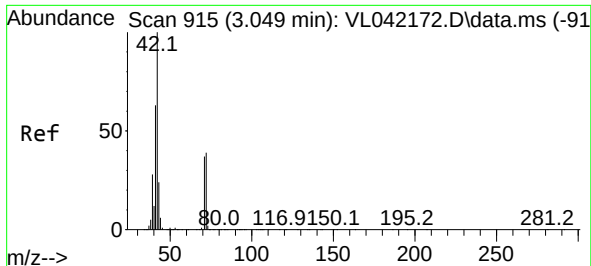
88 100

58 74.4 62.7 94.1

43 32.1 23.0 34.4

57 0.0 0.0 0.0

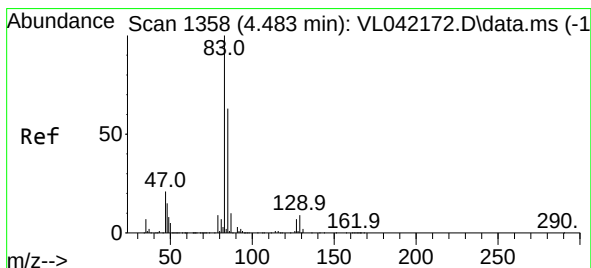
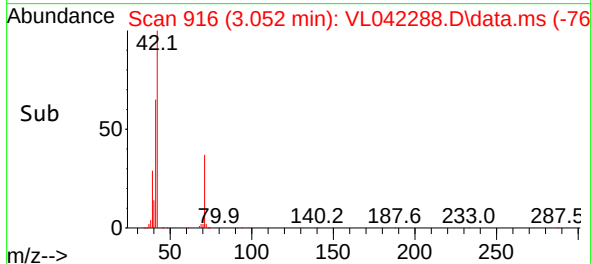
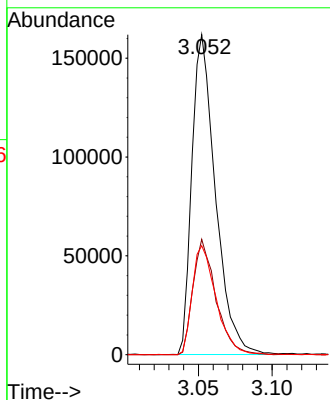
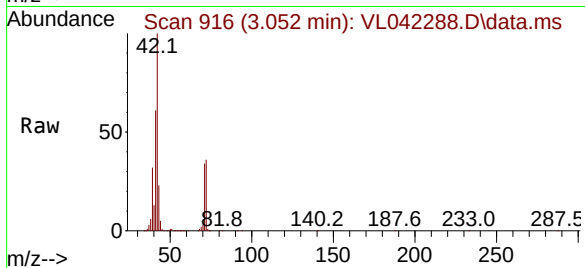




#41
Tetrahydrofuran
Concen: 10.836 ppbv
RT: 3.052 min Scan# 915
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

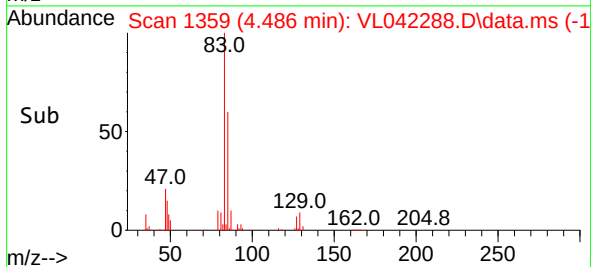
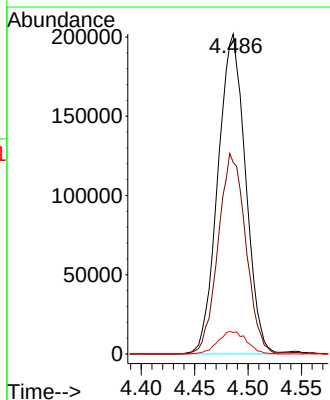
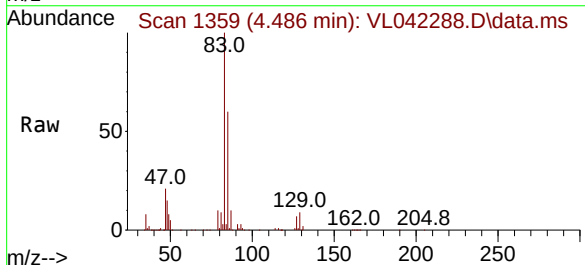
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

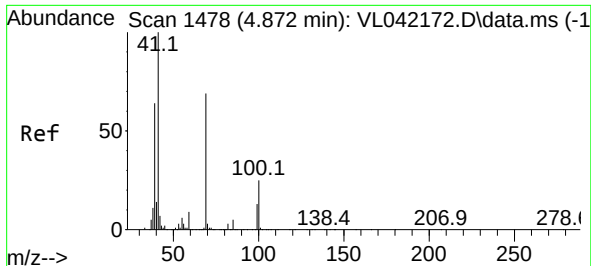
Tgt Ion: 42 Resp: 180593
Ion Ratio Lower Upper
42 100
72 35.1 31.4 47.0
71 34.5 30.2 45.4



#42
Bromodichloromethane
Concen: 11.612 ppbv
RT: 4.486 min Scan# 1359
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 83 Resp: 362659
Ion Ratio Lower Upper
83 100
85 59.9 50.5 75.7
127 6.6 5.9 8.9

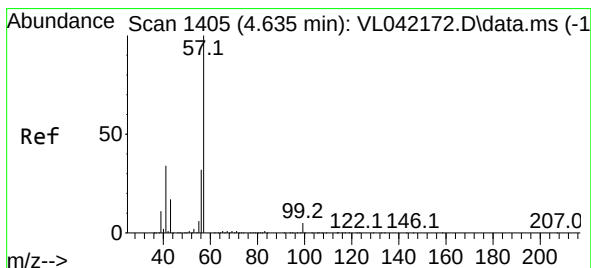
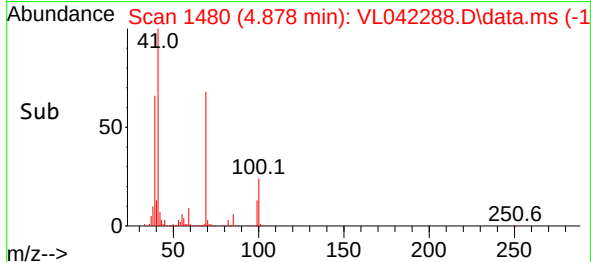
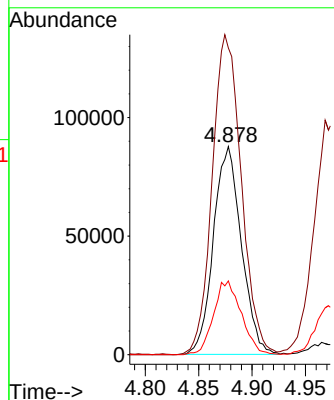
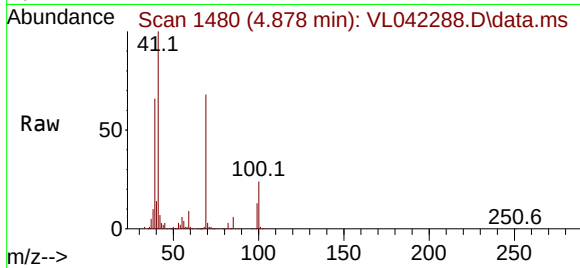




#43
Methyl Methacrylate
Concen: 9.515 ppbv
RT: 4.878 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

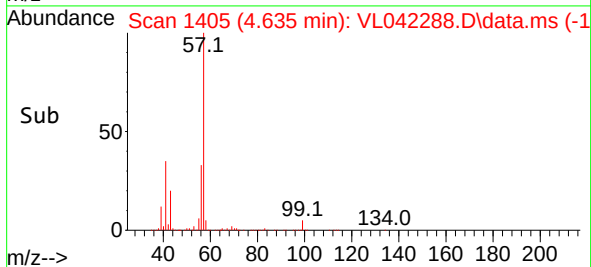
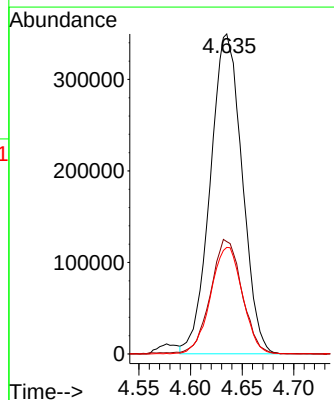
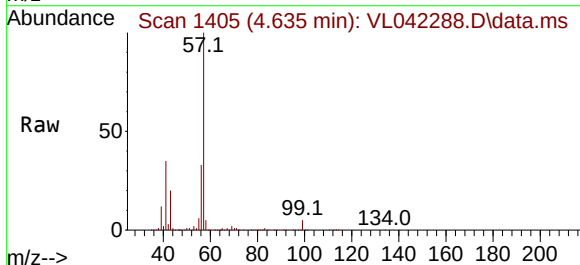
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABS01

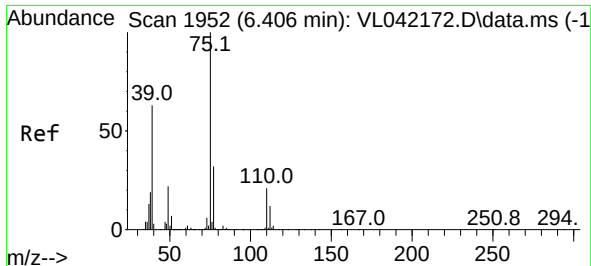
Tgt Ion: 69 Resp: 159384
Ion Ratio Lower Upper
69 100
41 160.1 123.8 185.6
100 35.3 28.4 42.6



#44
2,2,4-Trimethylpentane
Concen: 11.219 ppbv
RT: 4.635 min Scan# 1405
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 57 Resp: 750171
Ion Ratio Lower Upper
57 100
41 35.8 26.8 40.2
56 33.5 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 8.257 ppbv

RT: 6.409 min Scan# 1952

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_1

ClientSampleId :

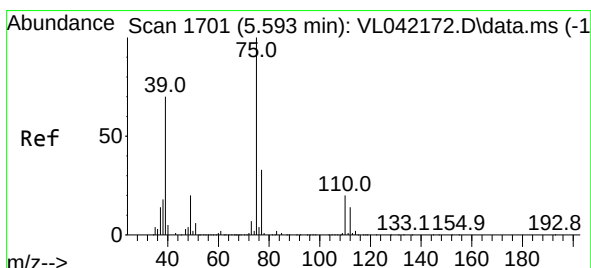
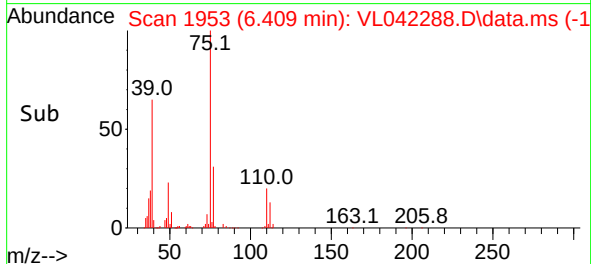
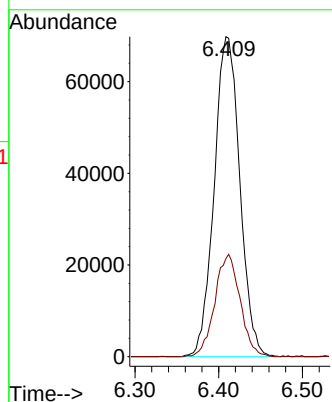
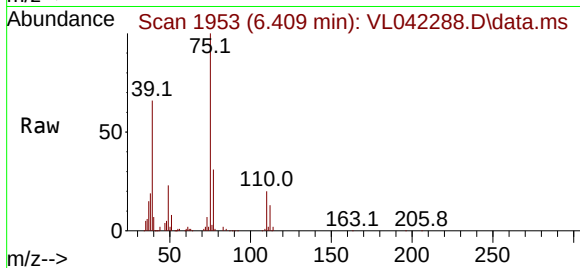
VL0409ABS01

Tgt Ion: 75 Resp: 148388

Ion Ratio Lower Upper

75 100

77 30.7 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 9.148 ppbv

RT: 5.596 min Scan# 1702

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

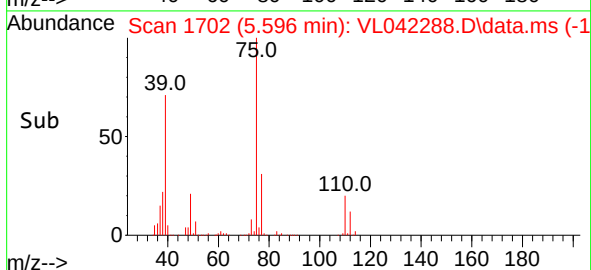
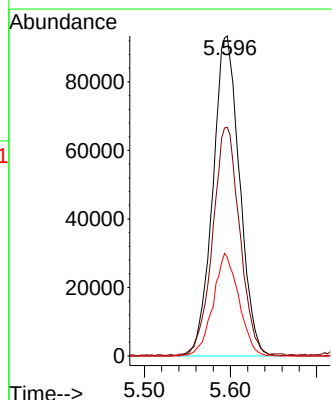
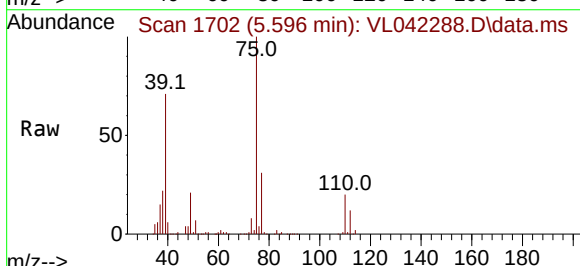
Tgt Ion: 75 Resp: 201536

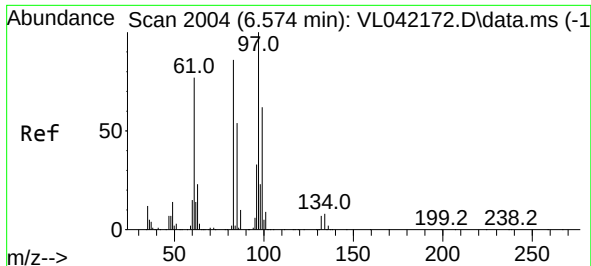
Ion Ratio Lower Upper

75 100

39 70.9 55.8 83.6

77 30.9 26.0 39.0



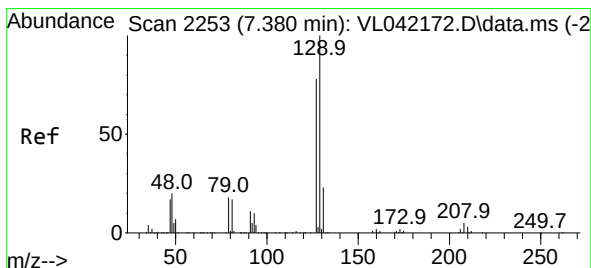
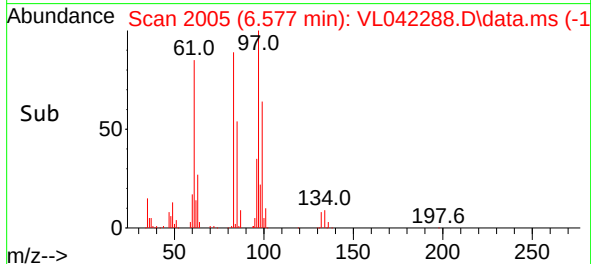
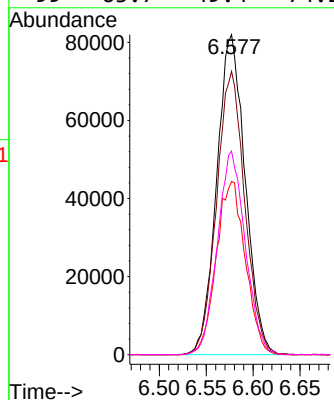
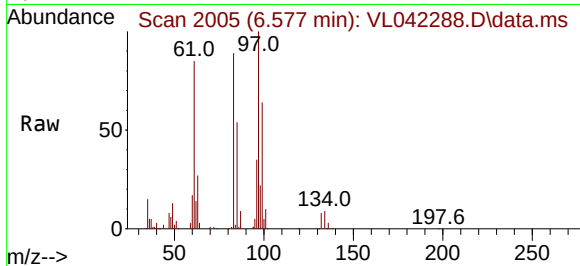


#47
 1,1,2-Trichloroethane
 Concen: 11.328 ppbv
 RT: 6.577 min Scan# 2005
 Delta R.T. 0.003 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01

Tgt Ion: 97 Resp: 172556

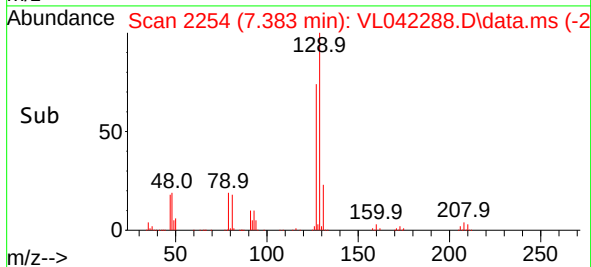
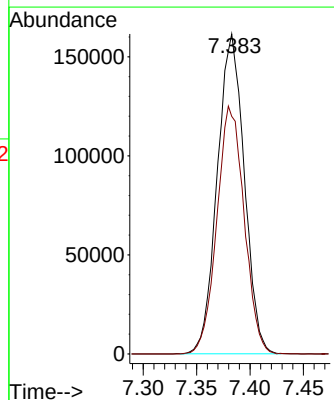
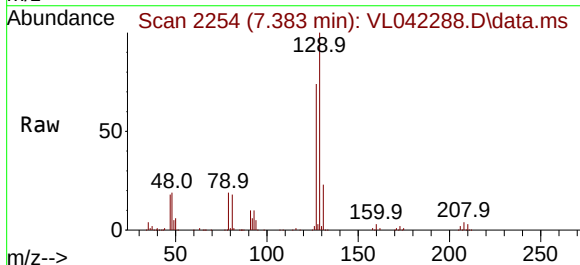
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.2	103.8
85	54.1	43.1	64.7
99	63.7	49.4	74.2

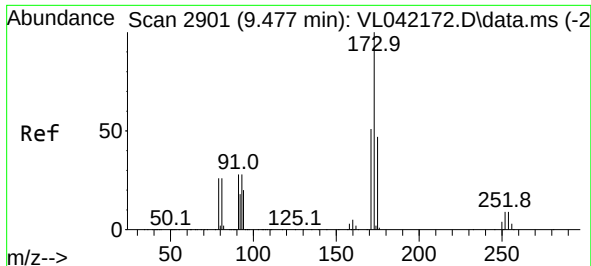


#48
 Dibromochloromethane
 Concen: 10.972 ppbv
 RT: 7.383 min Scan# 2254
 Delta R.T. 0.003 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Tgt Ion: 129 Resp: 283271

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2

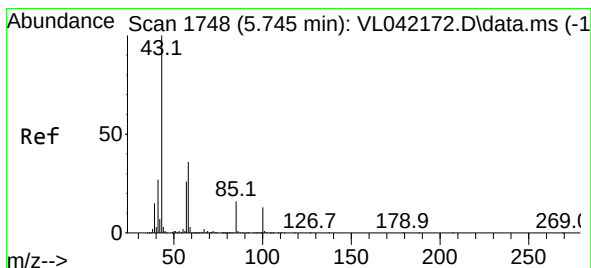
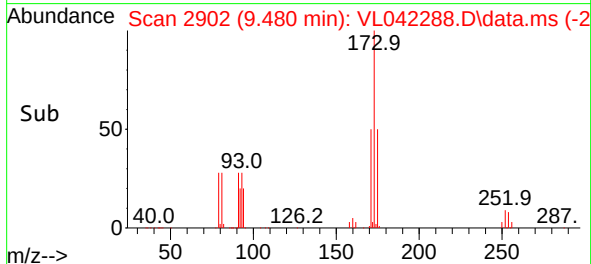
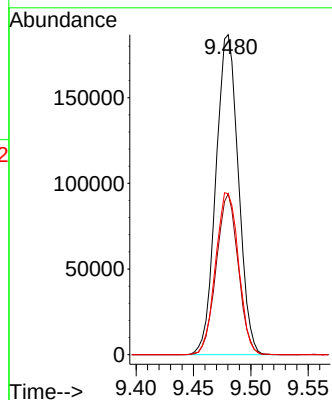
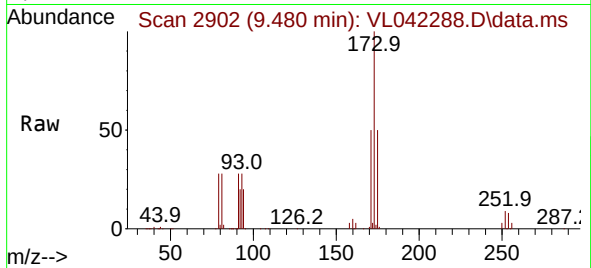




#49
Bromoform
Concen: 10.983 ppbv
RT: 9.480 min Scan# 2901
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

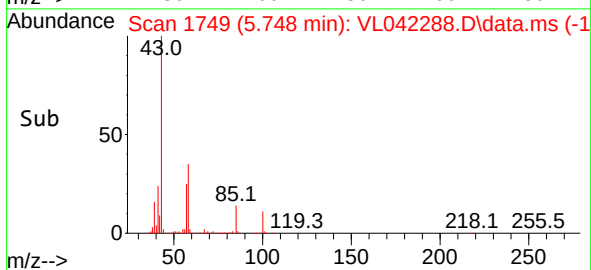
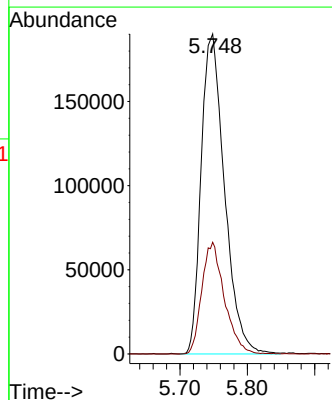
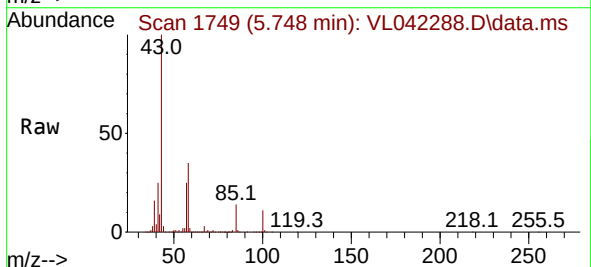
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

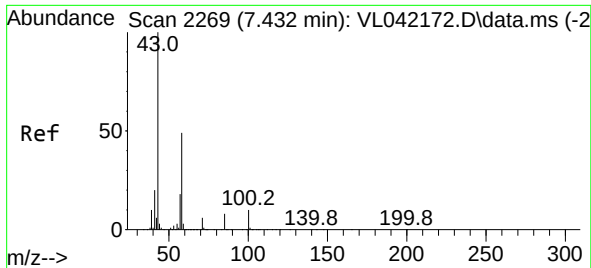
Tgt Ion:173 Resp: 254563
Ion Ratio Lower Upper
173 100
175 49.1 38.6 57.8
171 51.9 41.8 62.6



#50
4-Methyl-2-Pentanone
Concen: 9.988 ppbv
RT: 5.748 min Scan# 1749
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 43 Resp: 458113
Ion Ratio Lower Upper
43 100
58 33.7 29.0 43.6

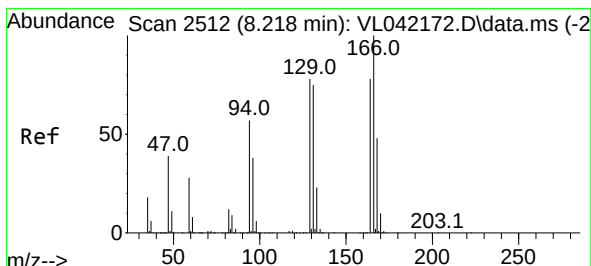
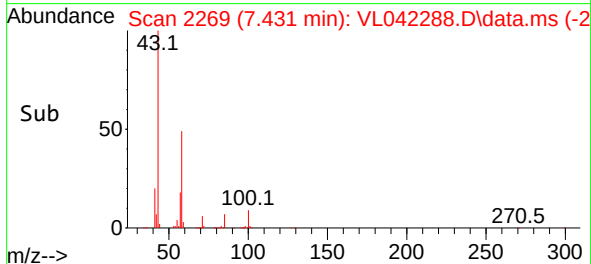
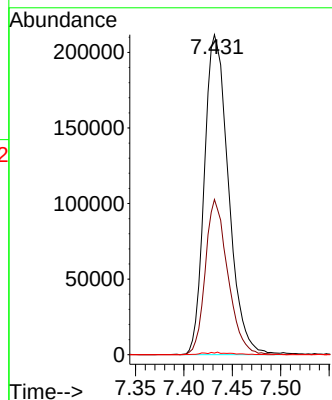
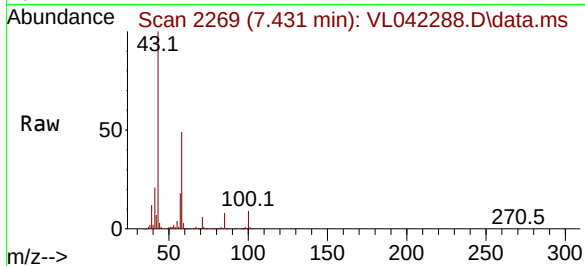




#51
2-Hexanone
Concen: 9.714 ppbv
RT: 7.431 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

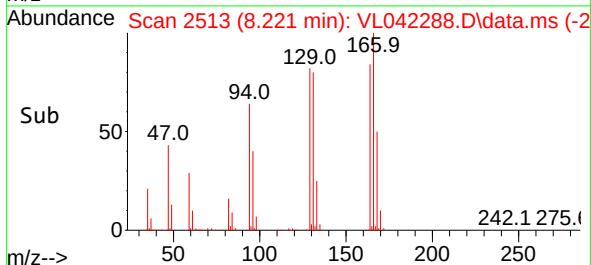
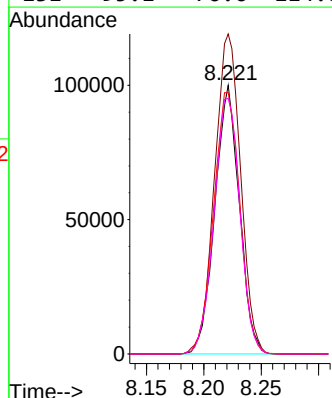
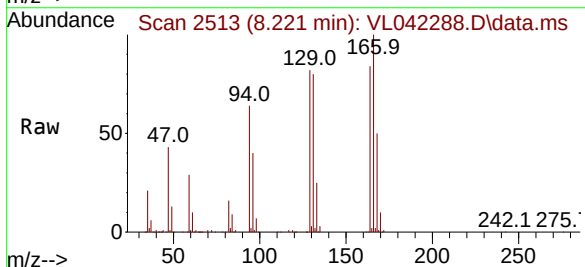
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABS01

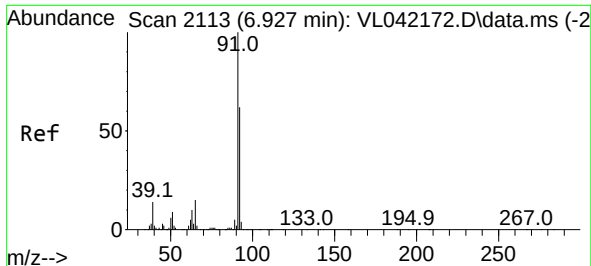
Tgt Ion: 43 Resp: 365868
Ion Ratio Lower Upper
43 100
58 45.4 39.7 59.5
98 0.8 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.463 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion:164 Resp: 148490
Ion Ratio Lower Upper
164 100
166 119.1 102.5 153.7
129 97.3 79.8 119.8
131 95.1 76.6 114.8

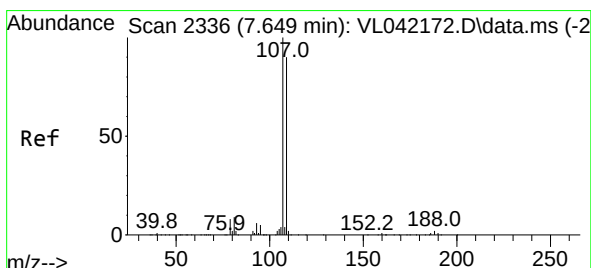
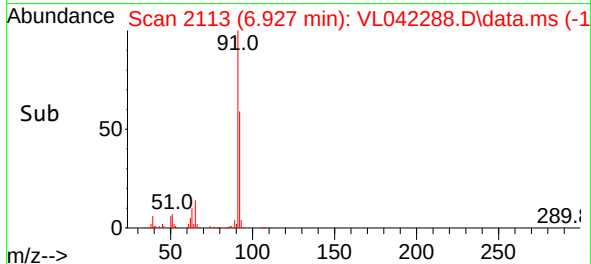
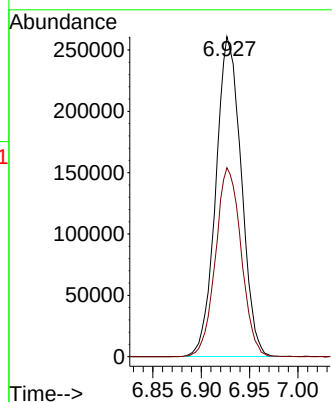
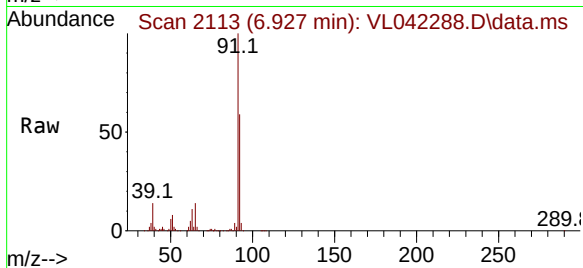




#53
Toluene
Concen: 10.155 ppbv
RT: 6.927 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

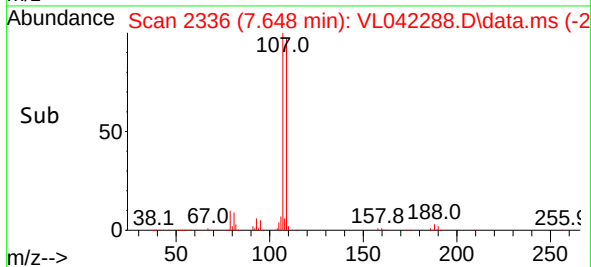
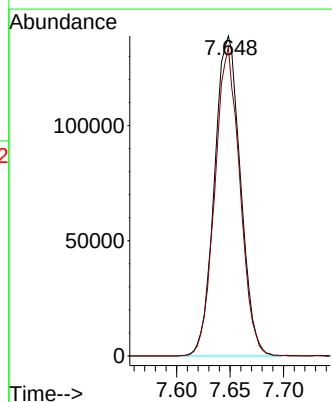
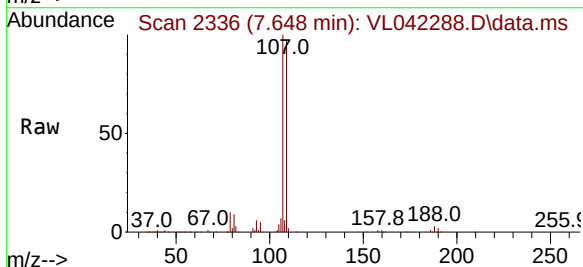
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

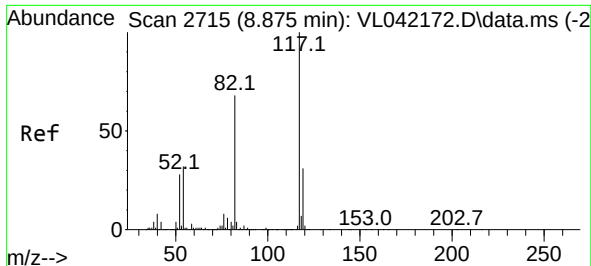
Tgt Ion: 91 Resp: 476311
Ion Ratio Lower Upper
91 100
92 59.5 48.4 72.6



#54
1,2-Dibromoethane
Concen: 11.048 ppbv
RT: 7.648 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 107 Resp: 234607
Ion Ratio Lower Upper
107 100
109 96.4 72.2 108.4

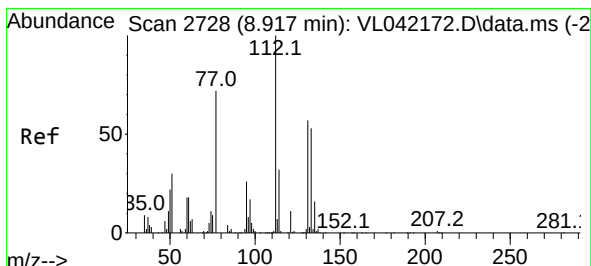
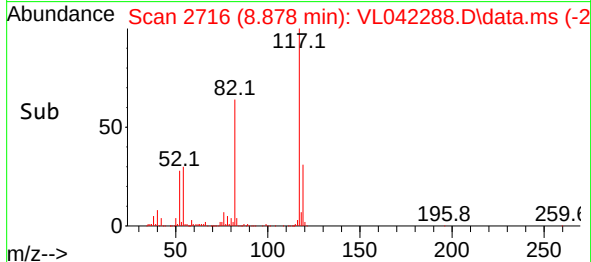
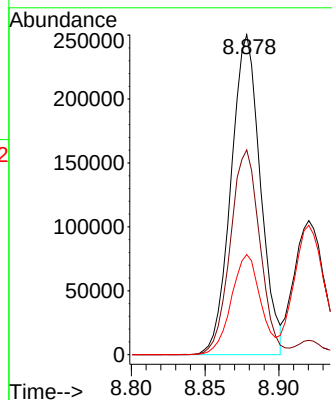
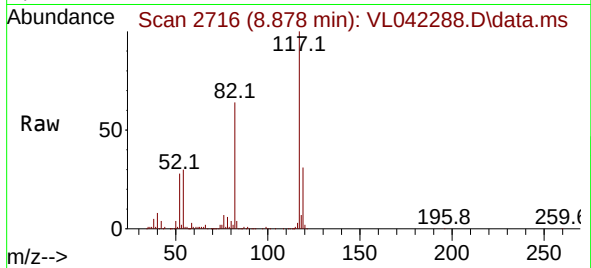




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

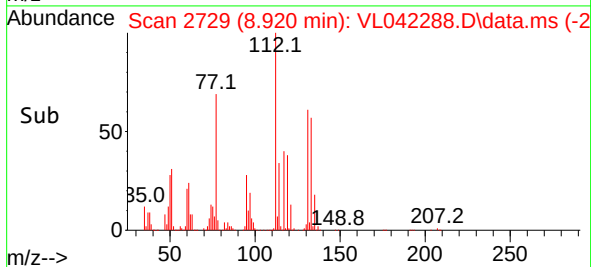
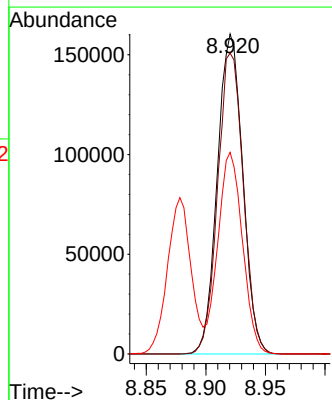
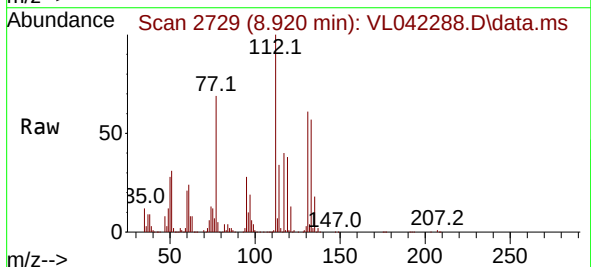
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABS01

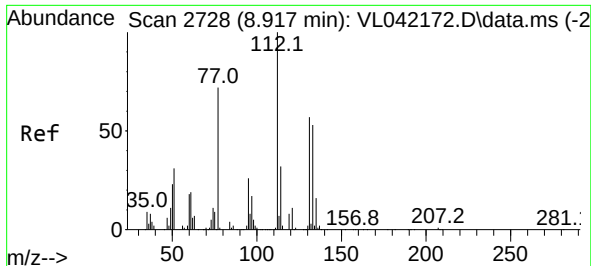
Tgt Ion:117 Resp: 347062
Ion Ratio Lower Upper
117 100
82 68.9 55.8 83.6
119 31.2 25.5 38.3



#56
1,1,1,2-Tetrachloroethane
Concen: 12.443 ppbv
RT: 8.920 min Scan# 2729
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion:131 Resp: 237721
Ion Ratio Lower Upper
131 100
133 94.8 76.6 114.8
119 62.3 49.8 74.6

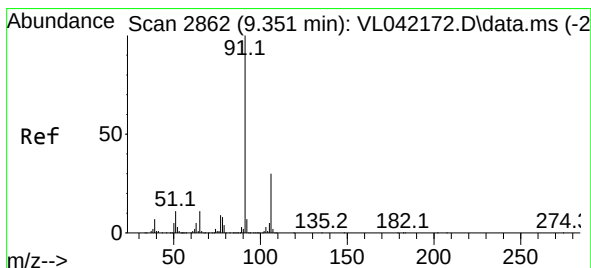
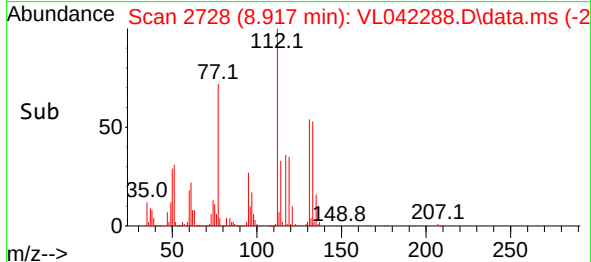
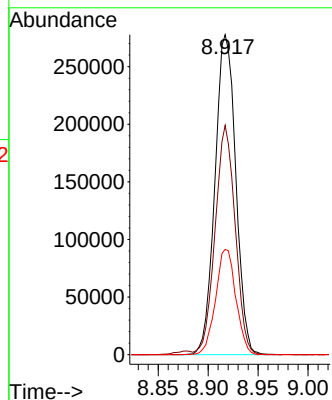
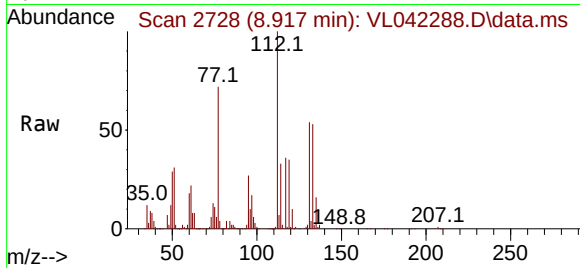




#57
Chlorobenzene
Concen: 12.233 ppbv
RT: 8.917 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

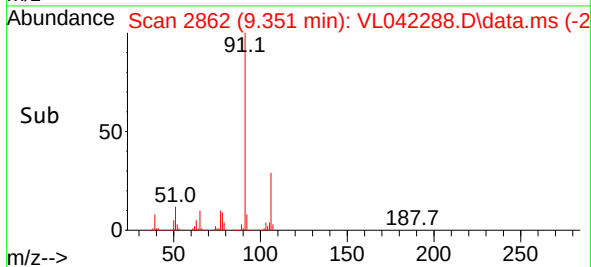
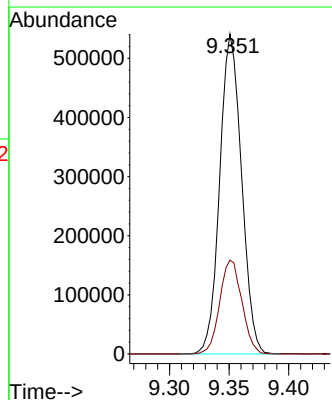
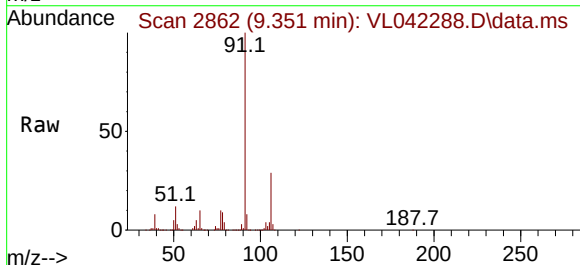
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

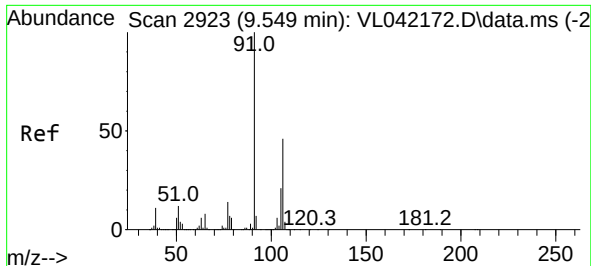
Tgt Ion:112 Resp: 402702
Ion Ratio Lower Upper
112 100
77 71.6 58.2 87.2
114 32.9 29.1 35.5



#58
Ethyl Benzene
Concen: 11.151 ppbv
RT: 9.351 min Scan# 2862
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 91 Resp: 687439
Ion Ratio Lower Upper
91 100
106 29.3 24.2 36.2





#59

m/p-Xylene

Concen: 11.037 ppbv

RT: 9.548 min Scan# 2923

Delta R.T. -0.000 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_1

ClientSampleId :

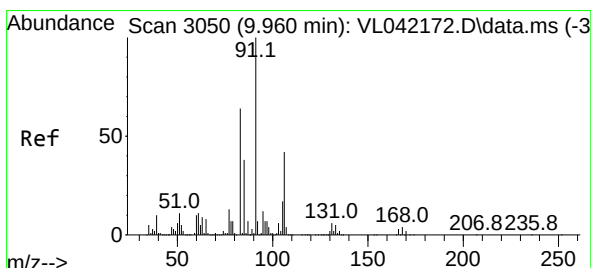
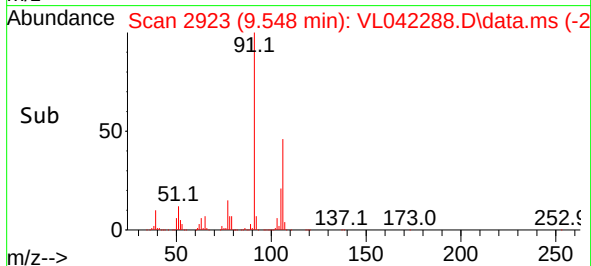
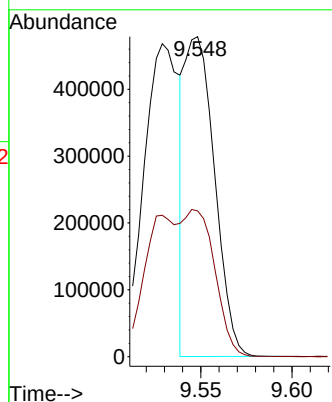
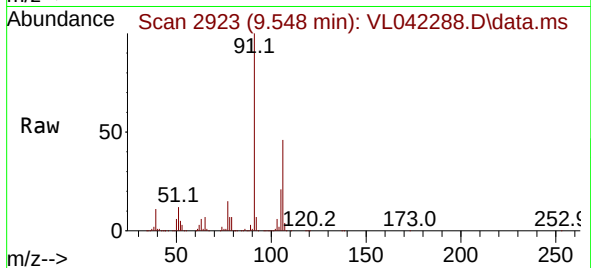
VL0409ABS01

Tgt Ion: 91 Resp: 543316

Ion Ratio Lower Upper

91 100

106 100.1 36.4 54.6#



#60

o-Xylene

Concen: 11.875 ppbv

RT: 9.959 min Scan# 3050

Delta R.T. -0.000 min

Lab File: VL042288.D

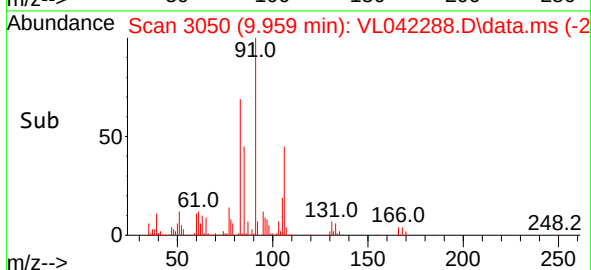
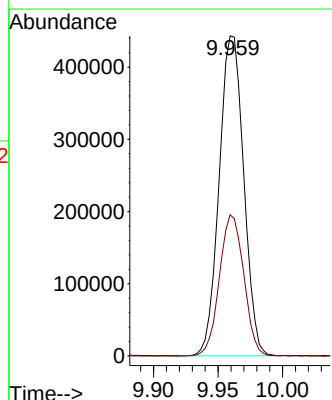
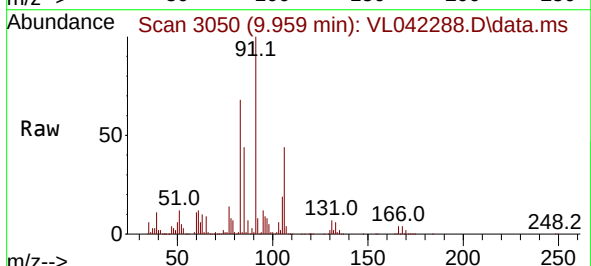
Acq: 09 Apr 2025 11:46

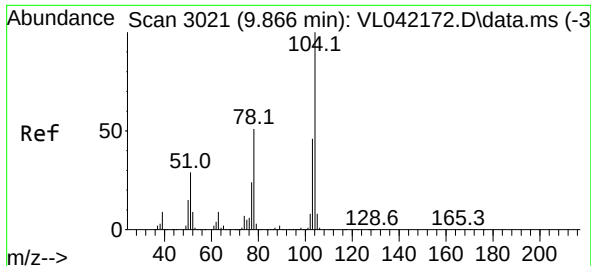
Tgt Ion: 91 Resp: 586005

Ion Ratio Lower Upper

91 100

106 43.8 20.8 62.5

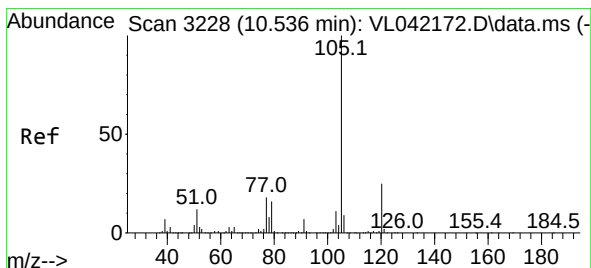
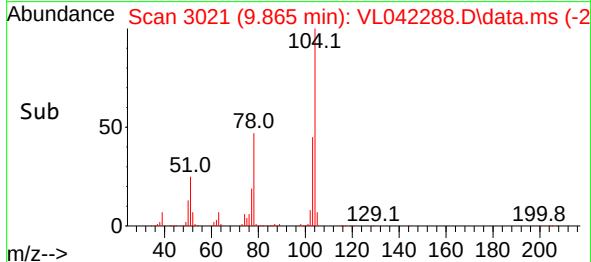
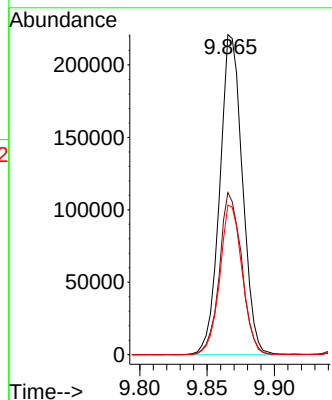
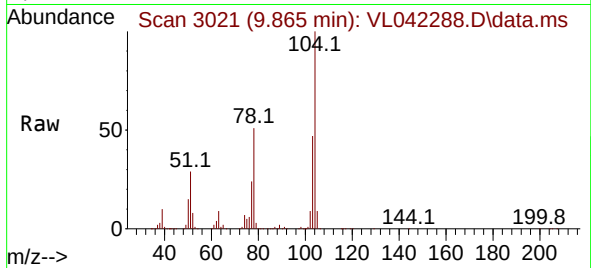




#61
Styrene
Concen: 10.586 ppbv
RT: 9.865 min Scan# 3021
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

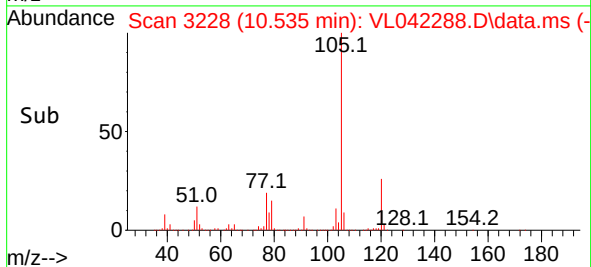
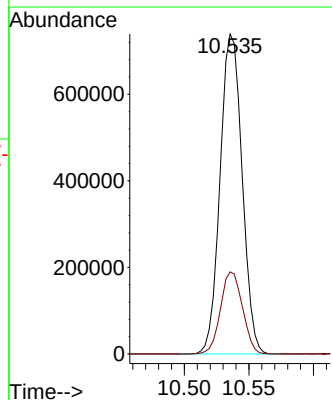
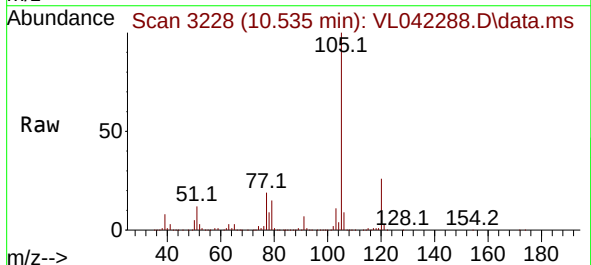
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABS01

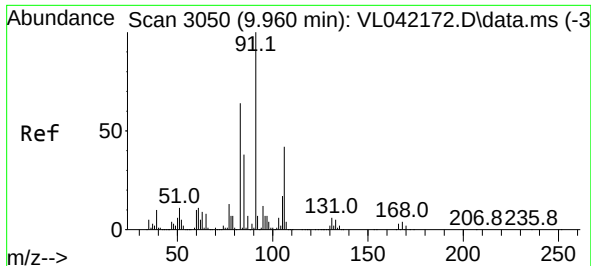
Tgt Ion:104 Resp: 258440
Ion Ratio Lower Upper
104 100
78 49.9 41.8 62.6
103 46.5 37.0 55.4



#62
Isopropylbenzene
Concen: 11.886 ppbv
RT: 10.535 min Scan# 3228
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion:105 Resp: 877118
Ion Ratio Lower Upper
105 100
120 25.5 19.9 29.9

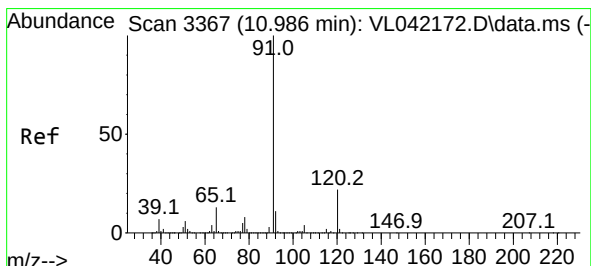
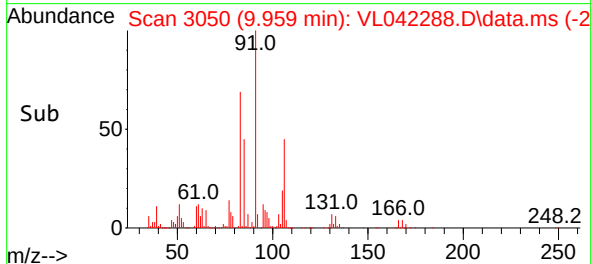
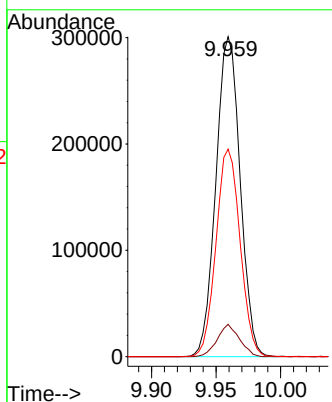
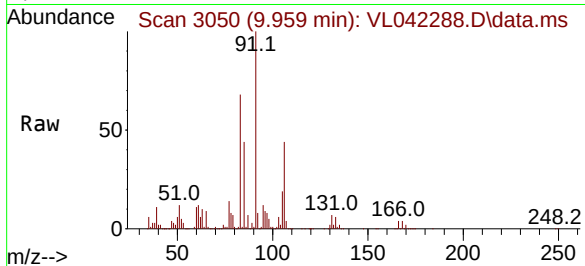




#63
1,1,2,2-Tetrachloroethane
Concen: 13.116 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

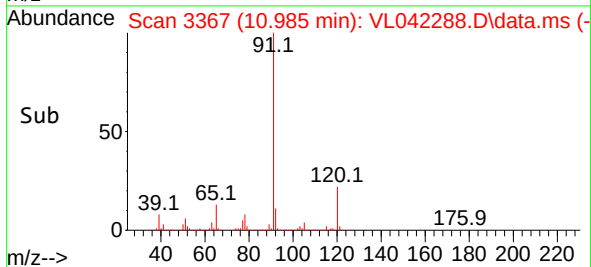
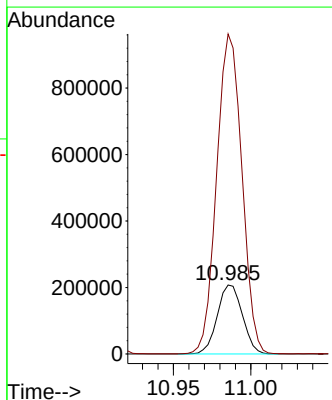
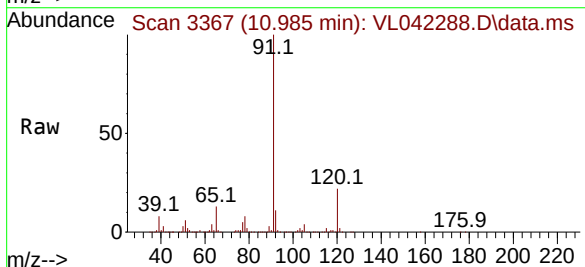
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABS01

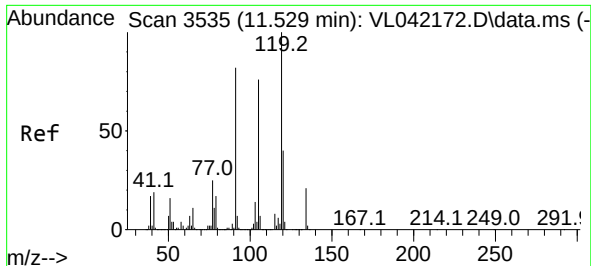
Tgt Ion: 83 Resp: 393271
Ion Ratio Lower Upper
83 100
131 9.3 4.8 14.4
85 64.5 32.5 97.5



#64
n-propylbenzene
Concen: 12.292 ppbv
RT: 10.985 min Scan# 3367
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 120 Resp: 233492
Ion Ratio Lower Upper
120 100
91 467.3 376.9 565.3

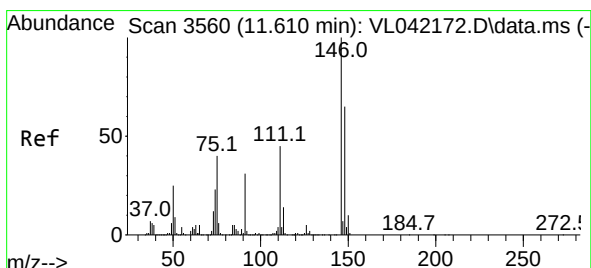
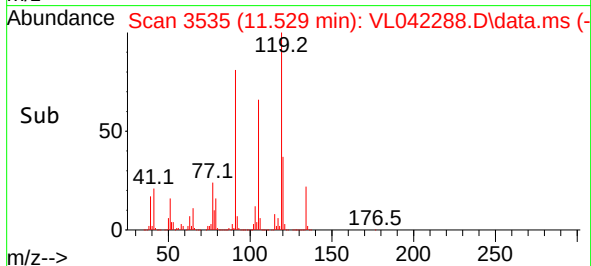
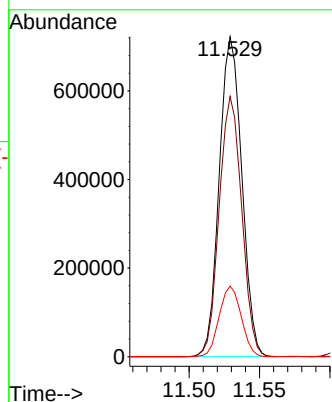
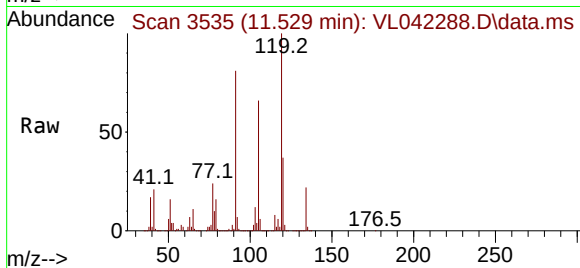




#65
tert-Butylbenzene
Concen: 11.813 ppbv
RT: 11.529 min Scan# 3535
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

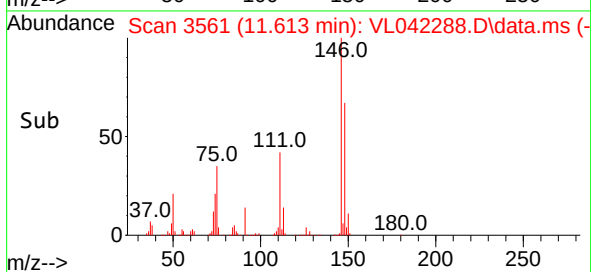
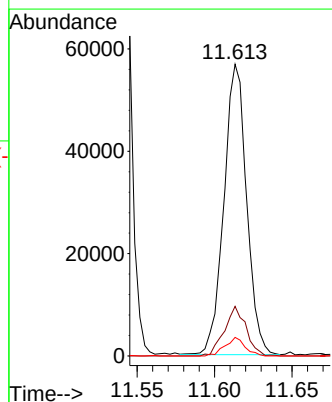
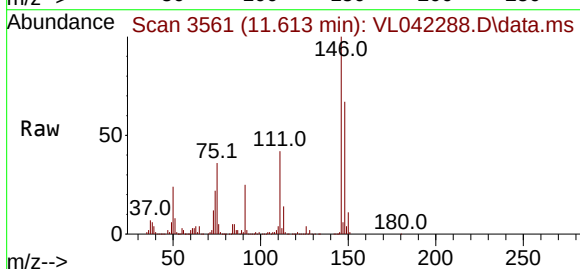
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

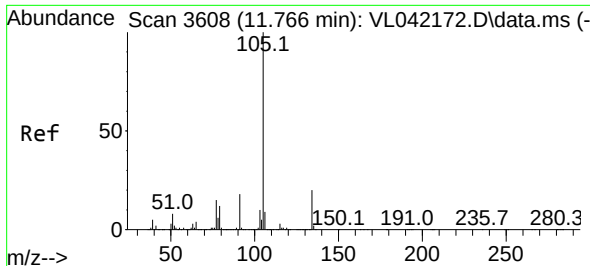
Tgt Ion:119 Resp: 806218
Ion Ratio Lower Upper
119 100
91 81.3 66.0 99.0
134 21.6 16.7 25.1



#66
Benzyl Chloride
Concen: 8.000 ppbv
RT: 11.613 min Scan# 3561
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 91 Resp: 57936
Ion Ratio Lower Upper
91 100
126 16.3 13.8 20.6
128 5.6 4.5 6.7

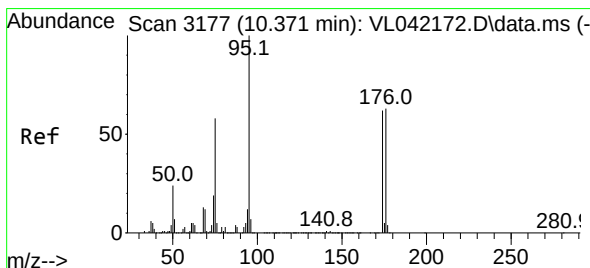
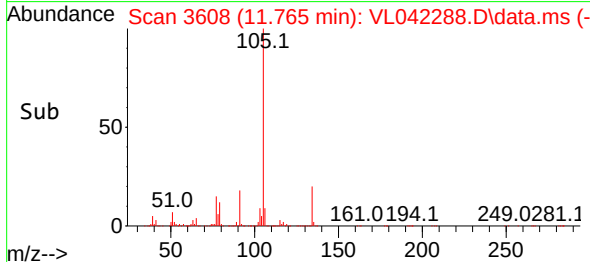
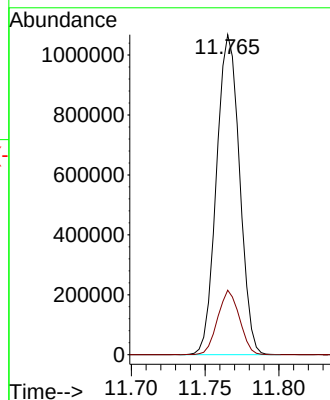
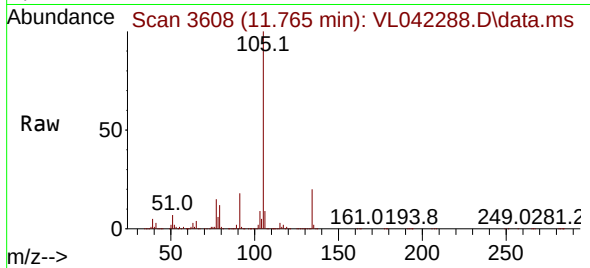




#67
 sec-Butylbenzene
 Concen: 12.239 ppbv
 RT: 11.765 min Scan# 3178
 Delta R.T. -0.000 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

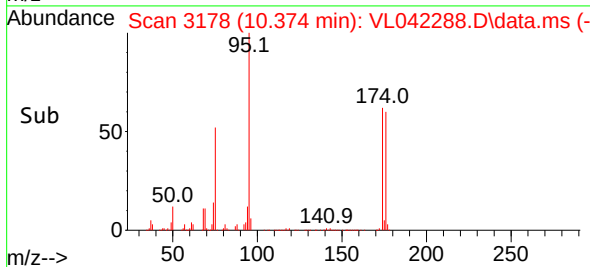
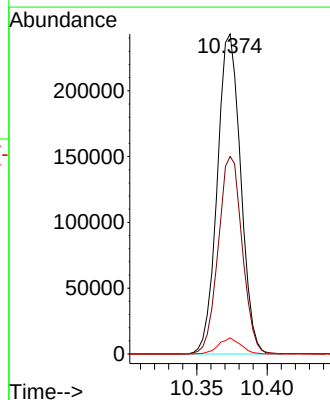
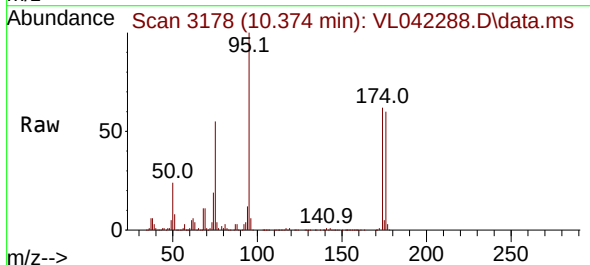
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0409ABS01

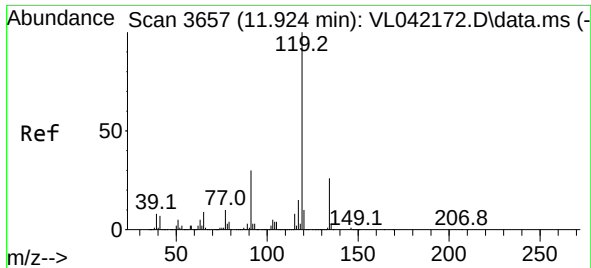
Tgt Ion:105 Resp: 1160994
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.877 ppbv
 RT: 10.374 min Scan# 3178
 Delta R.T. 0.003 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Tgt Ion: 95 Resp: 281515
 Ion Ratio Lower Upper
 95 100
 174 63.2 50.6 76.0
 175 4.8 3.8 5.6

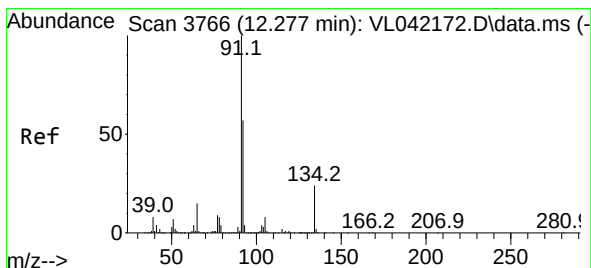
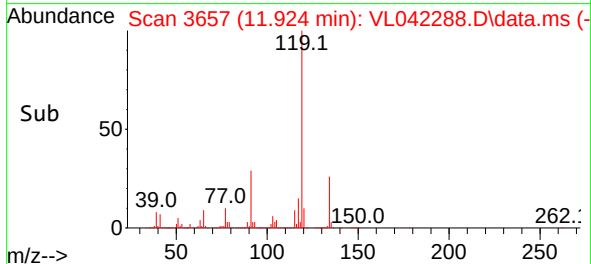
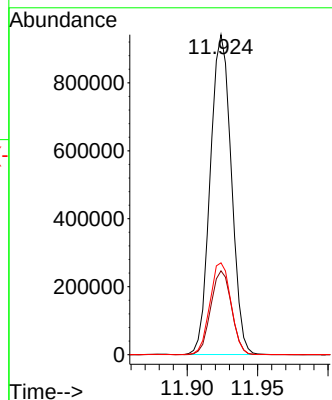
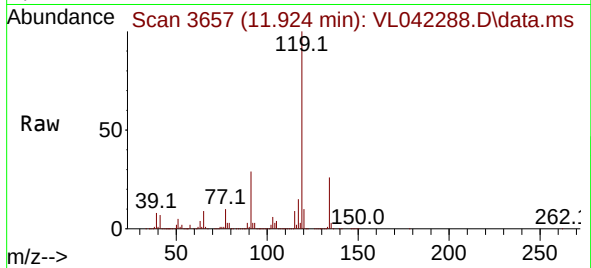




#69
 p-Isopropyltoluene
 Concen: 12.002 ppbv
 RT: 11.924 min Scan# 3657
 Delta R.T. -0.000 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

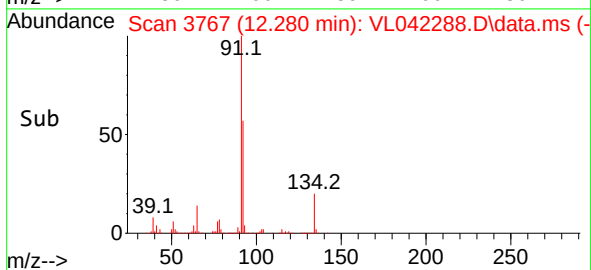
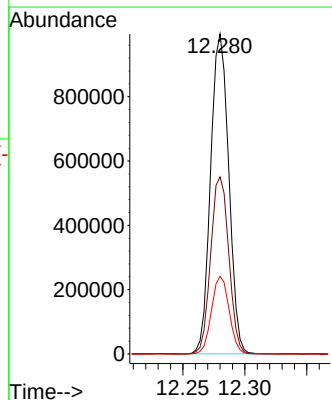
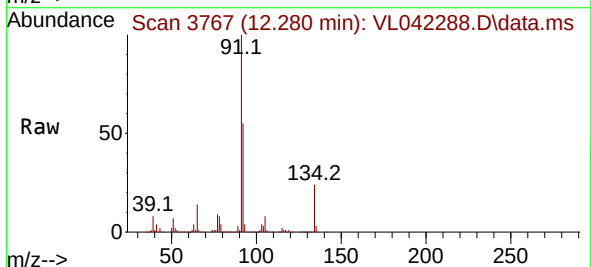
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0409ABS01

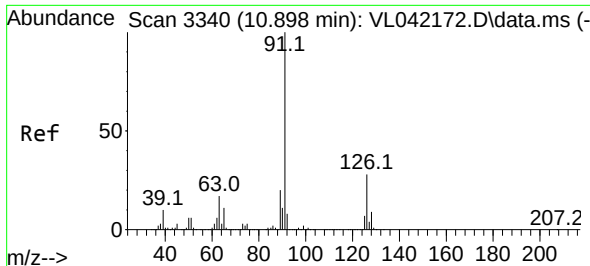
Tgt Ion:119 Resp: 980361
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.4 30.6
 91 28.9 23.7 35.5



#70
 n-Butylbenzene
 Concen: 12.161 ppbv
 RT: 12.280 min Scan# 3767
 Delta R.T. 0.003 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Tgt Ion: 91 Resp: 1015883
 Ion Ratio Lower Upper
 91 100
 92 55.4 44.9 67.3
 134 23.6 19.2 28.8

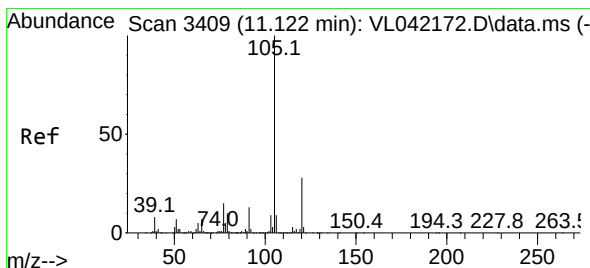
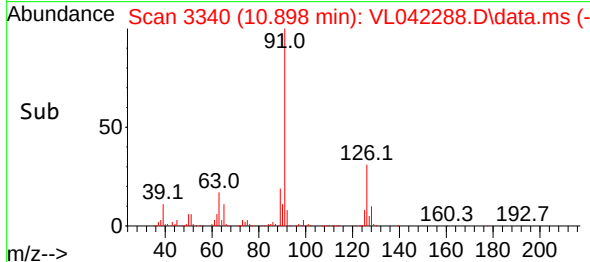
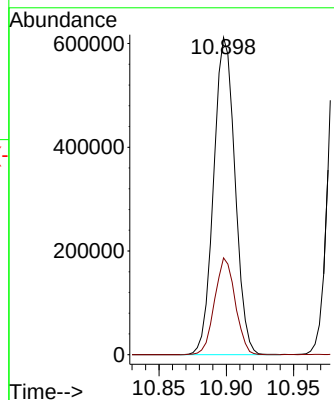
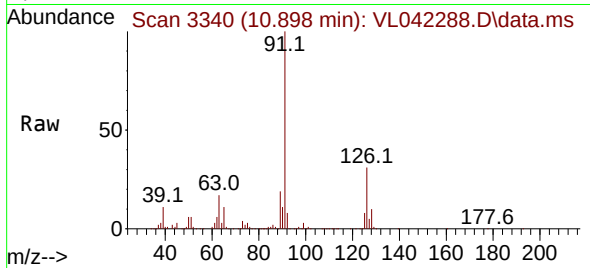




#71
2-Chlorotoluene
Concen: 11.767 ppbv
RT: 10.898 min Scan# 311
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

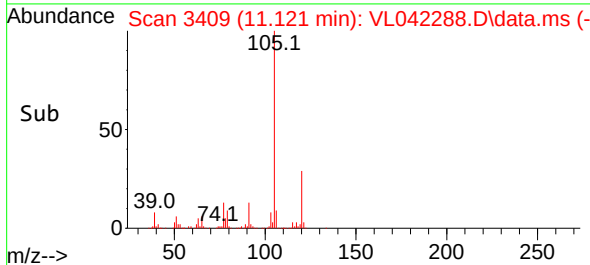
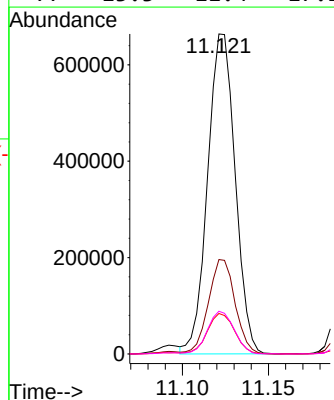
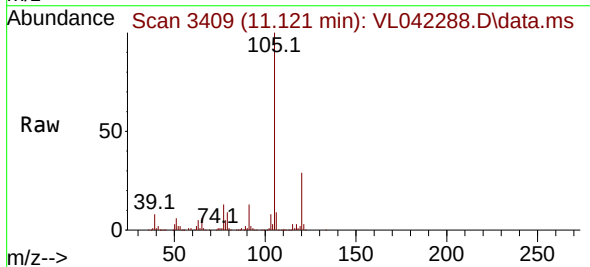
Instrument :
MSVOA_L
ClientSampleId :
VL0409ABS01

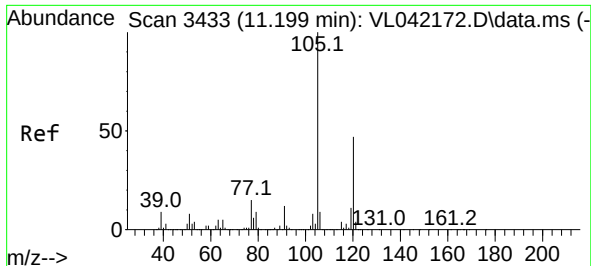
Tgt Ion: 91 Resp: 673928
Ion Ratio Lower Upper
91 100
126 29.4 11.6 46.4



#72
4-Ethyltoluene
Concen: 12.036 ppbv
RT: 11.121 min Scan# 3409
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion: 105 Resp: 739552
Ion Ratio Lower Upper
105 100
120 29.3 23.4 35.0
91 12.9 10.3 15.5
77 13.3 11.4 17.2

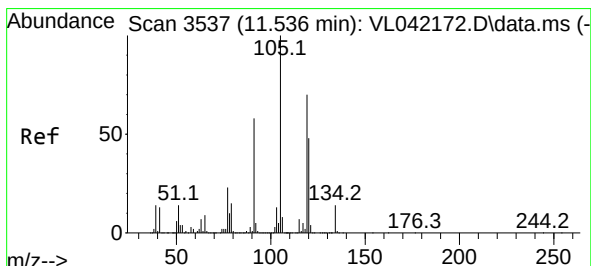
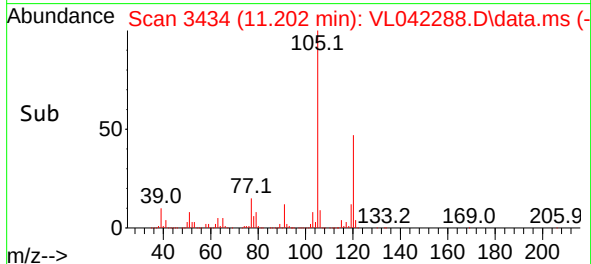
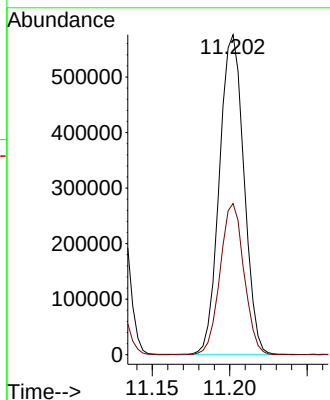
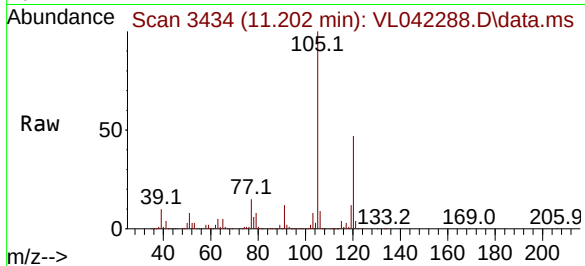




#73
1,3,5-Trimethylbenzene
Concen: 11.798 ppbv
RT: 11.202 min Scan# 3433
Delta R.T. 0.003 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

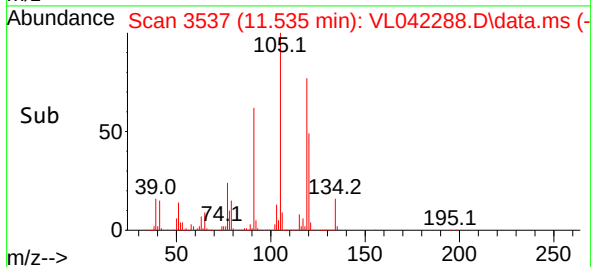
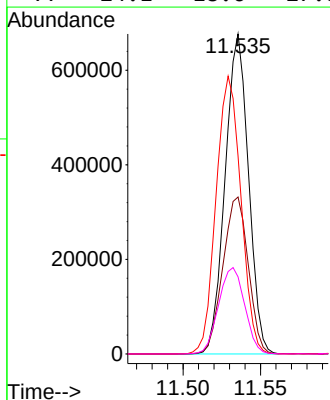
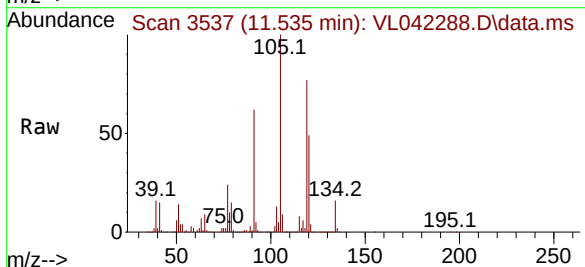
Instrument :
MSVOA_1
ClientSampleId :
VL0409ABS01

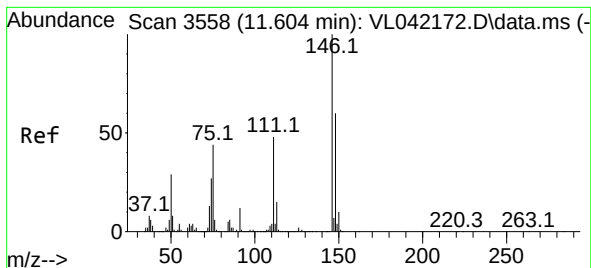
Tgt Ion:105 Resp: 633137
Ion Ratio Lower Upper
105 100
120 47.3 37.4 56.0



#74
1,2,4-Trimethylbenzene
Concen: 11.486 ppbv
RT: 11.535 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042288.D
Acq: 09 Apr 2025 11:46

Tgt Ion:105 Resp: 710091
Ion Ratio Lower Upper
105 100
120 49.0 38.6 58.0
91 61.9 46.2 69.2
77 24.1 18.6 27.8





#75

1,3-Dichlorobenzene

Concen: 12.572 ppbv

RT: 11.607 min Scan# 3558

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_L

ClientSampleId :

VL0409ABS01

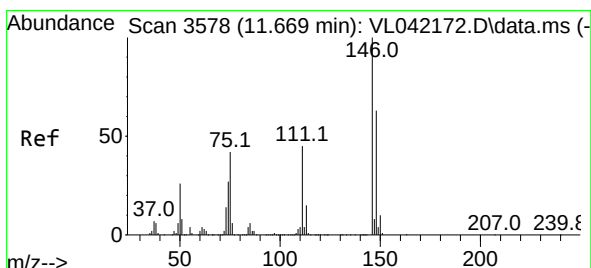
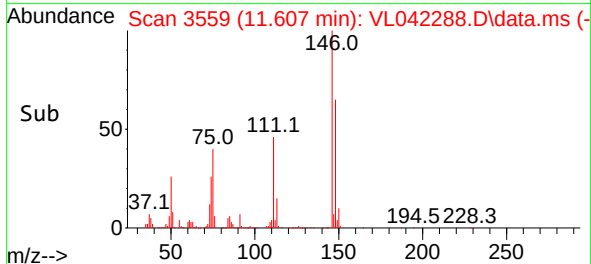
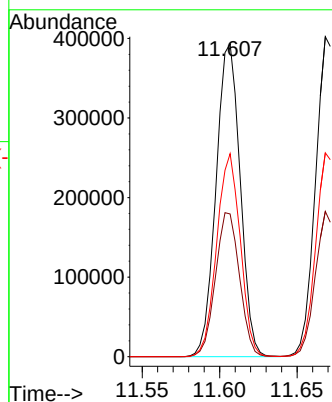
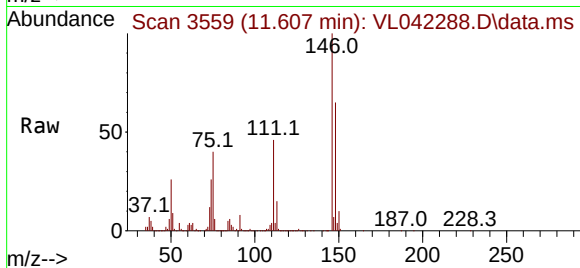
Tgt Ion:146 Resp: 426279

Ion Ratio Lower Upper

146 100

111 45.9 23.8 71.2

148 63.3 31.9 95.9



#76

1,4-Dichlorobenzene

Concen: 12.569 ppbv

RT: 11.668 min Scan# 3578

Delta R.T. -0.000 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

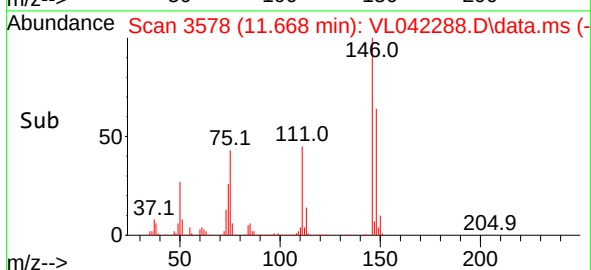
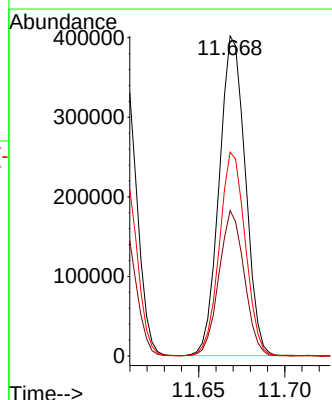
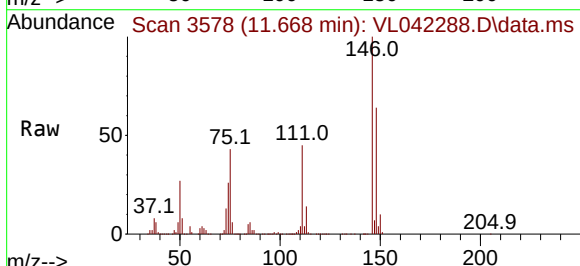
Tgt Ion:146 Resp: 424123

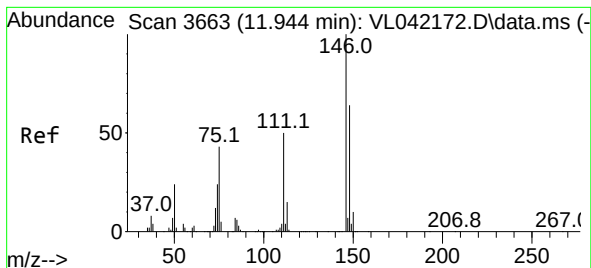
Ion Ratio Lower Upper

146 100

111 44.1 23.0 69.0

148 63.6 31.9 95.7





#77

1,2-Dichlorobenzene

Concen: 12.812 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_1

ClientSampleId :

VL0409ABS01

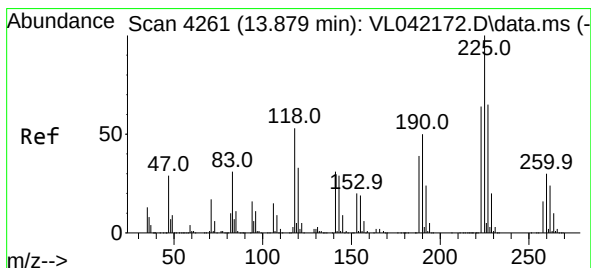
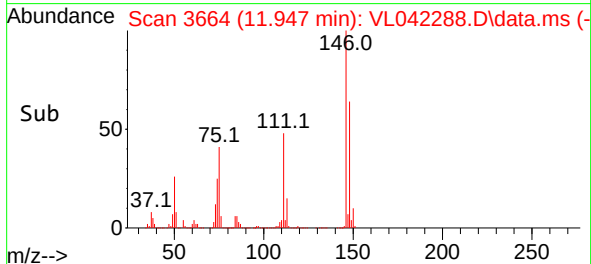
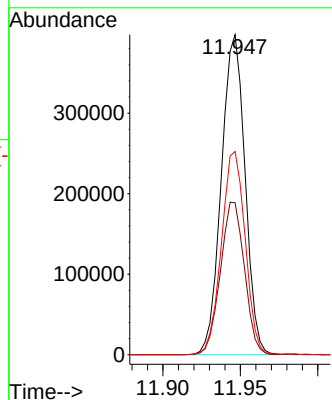
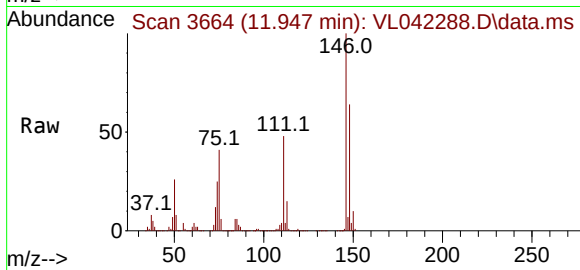
Tgt Ion:146 Resp: 422964

Ion Ratio Lower Upper

146 100

111 48.4 24.8 74.3

148 63.8 31.6 94.8



#78

Hexachloro-1,3-Butadiene

Concen: 9.527 ppbv

RT: 13.882 min Scan# 4262

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

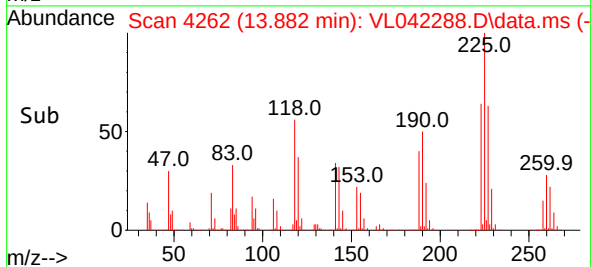
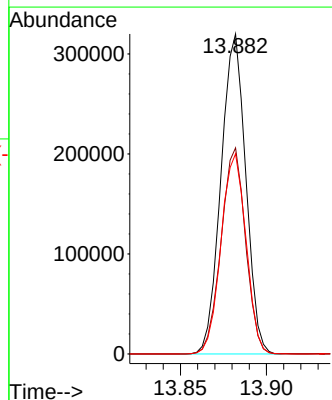
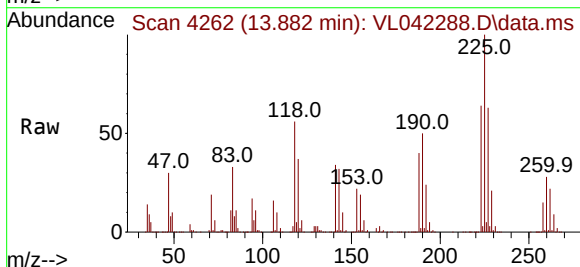
Tgt Ion:225 Resp: 320151

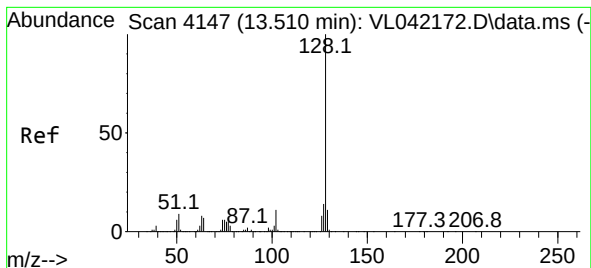
Ion Ratio Lower Upper

225 100

223 63.6 50.6 76.0

227 63.0 51.2 76.8





#79

Naphthalene

Concen: 10.608 ppbv

RT: 13.513 min Scan# 4147

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

Instrument :

MSVOA_1

ClientSampleId :

VL0409ABS01

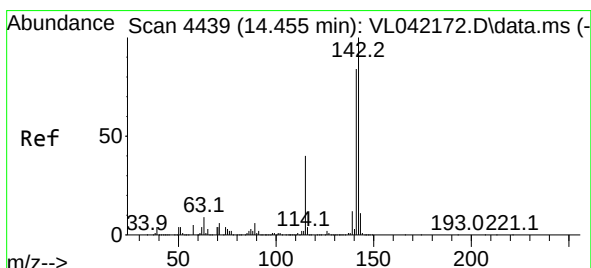
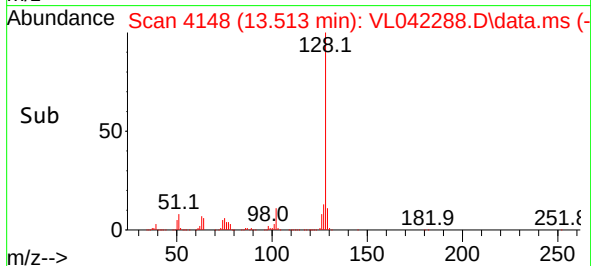
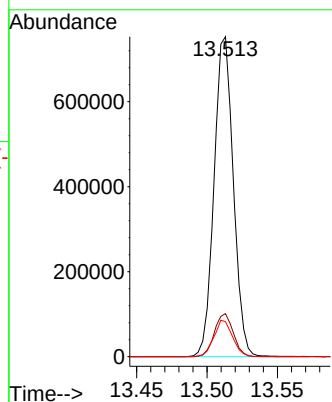
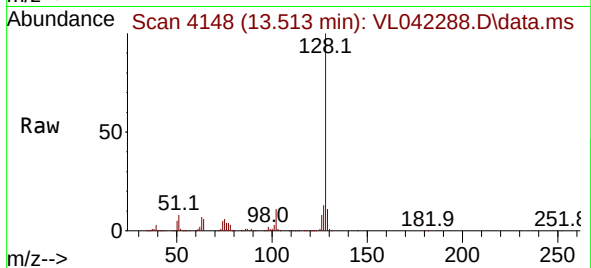
Tgt Ion:128 Resp: 717321

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

129 10.9 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 6.965 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.003 min

Lab File: VL042288.D

Acq: 09 Apr 2025 11:46

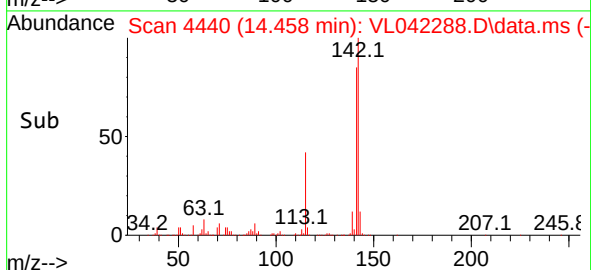
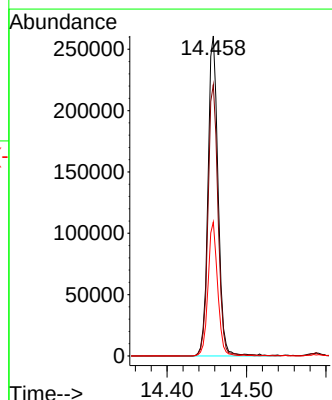
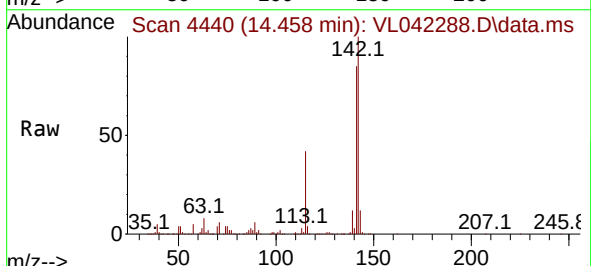
Tgt Ion:142 Resp: 230965

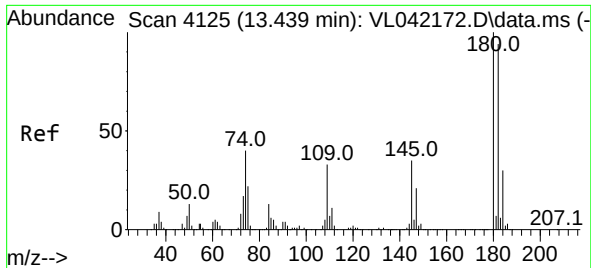
Ion Ratio Lower Upper

142 100

141 84.9 66.3 99.5

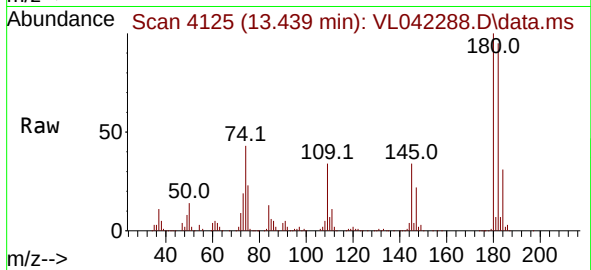
115 40.1 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.444 ppbv
 RT: 13.439 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042288.D
 Acq: 09 Apr 2025 11:46

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0409ABS01



Tgt Ion:180 Resp: 325764

Ion	Ratio	Lower	Upper
180	100		
182	95.2	75.1	112.7
184	30.2	24.4	36.6

