

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041471.D
 Acq On : 1 Aug 2024 9:58
 Operator : SY/MD
 Sample : VL0801ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Quant Time: Aug 02 04:10:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 02 03:13:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	976119	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2660235	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2667155	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2012718	9.806	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	1324673	7.888	ppbv	99
3) Chlorodifluoromethane	2.674	51	1214698	10.453	ppbv	100
4) Chloromethane	2.812	50	650317	10.522	ppbv	100
5) Vinyl Chloride	2.919	62	634952	10.423	ppbv	98
6) Bromomethane	3.118	94	346663	11.072	ppbv	99
7) Chloroethane	3.195	64	224486	10.677	ppbv	93
8) Dichlorotetrafluoroethane	2.857	85	1555042	10.451	ppbv	98
9) Propene	2.694	41	557155	10.437	ppbv	98
10) Heptane	7.581	43	1353231	11.283	ppbv	100
11) Trichlorofluoromethane	3.562	101	1533466	10.282	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	1102395	10.265	ppbv	100
13) Ethanol	3.243	45	30898	6.476	ppbv	77
14) Bromoethene	3.366	108	457062	10.917	ppbv	100
15) Acetone	3.465	43	1133327	10.219	ppbv	99
16) 1,3-Butadiene	2.986	39	637961	10.766	ppbv	98
17) tert-Butyl alcohol	3.874	59	1145955	11.329	ppbv	100
18) 1,1-Dichloroethene	3.880	96	501034	10.907	ppbv	100
19) Isopropyl Alcohol	3.575	45	724747	11.178	ppbv	100
20) Methylene Chloride	3.931	84	415315	10.042	ppbv	97
21) Allyl Chloride	3.996	41	786277	10.810	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	465766	10.140	ppbv	99
23) Vinyl Acetate	4.623	43	995171	11.749	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1055455	10.583	ppbv	99
25) Ethyl Acetate	5.201	43	2414683	10.959	ppbv	99
26) Hexane	5.211	57	995901	10.896	ppbv	99
27) Carbon Disulfide	4.121	76	1163264	10.879	ppbv	98
28) Methyl tert-Butyl Ether	4.584	73	605123	10.498	ppbv	99
29) Chloroform	5.272	83	1587523	10.649	ppbv	97
30) Cyclohexane	6.603	84	873879	11.741	ppbv	97
31) cis-1,2-Dichloroethene	5.076	61	980793	10.862	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1543296	10.635	ppbv	100
34) 2-Butanone	4.783	43	1433071	11.136	ppbv	100
35) Carbon Tetrachloride	6.491	117	1626913	11.088	ppbv	100
36) Benzene	6.369	78	2139510	11.007	ppbv	100
37) 1,2-Dichloroethane	5.806	62	1220445	11.218	ppbv	100
38) Trichloroethene	7.291	130	995894	11.183	ppbv	99
39) 1,2-Dichloropropane	7.073	63	820518	11.026	ppbv	97
40) 1,4-Dioxane	7.282	88	361174	12.081	ppbv	96
41) Tetrahydrofuran	5.555	42	859495	11.678	ppbv	99
42) Bromodichloromethane	7.250	83	1731081	11.019	ppbv	98
43) Methyl Methacrylate	7.471	69	857698	12.305	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	3593291	11.068	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	860115	13.406	ppbv	95

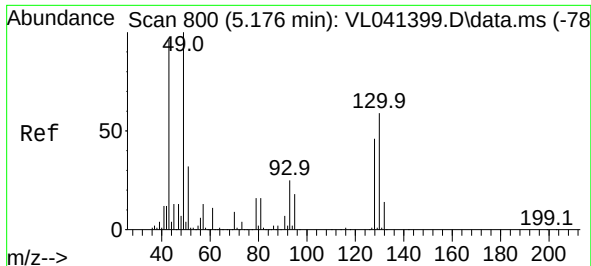
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 02 03:13:29 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1161186	12.534	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	902744	11.005	ppbv	95
48) Dibromochloromethane	9.709	129	1500596	11.355	ppbv	100
49) Bromoform	12.404	173	1308273	11.720	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2400544	11.824	ppbv	100
51) 2-Hexanone	9.549	43	1947631	12.686	ppbv #	100
52) Tetrachloroethene	10.616	164	830394	11.056	ppbv	99
53) Toluene	9.221	91	2531340	11.691	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1293556	11.847	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.507	131	1097354	10.609	ppbv #	57
57) Chlorobenzene	11.526	112	1965853	10.352	ppbv	98
58) Ethyl Benzene	12.089	91	3402414	11.068	ppbv	98
59) m/p-Xylene	12.372	91	2928351	11.035	ppbv #	32
60) o-Xylene	13.056	91	2781518	11.080	ppbv	99
61) Styrene	12.896	104	1385973	12.238	ppbv	98
62) Isopropylbenzene	14.027	105	4045584	10.601	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	1687158	10.643	ppbv	100
64) n-propylbenzene	14.915	120	1088859	10.913	ppbv	97
65) tert-Butylbenzene	16.088	119	3657397	10.610	ppbv	99
66) Benzyl Chloride	16.323	91	288309	13.040	ppbv	99
67) sec-Butylbenzene	16.635	105	5102891	10.745	ppbv	100
69) p-Isopropyltoluene	16.992	119	4310721	10.938	ppbv	100
70) n-Butylbenzene	17.883	91	4453598	11.023	ppbv	100
71) 2-Chlorotoluene	14.799	91	3064012	10.887	ppbv	99
72) 4-Ethyltoluene	15.191	105	3354707	11.351	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2871028	11.276	ppbv	98
74) 1,2,4-Trimethylbenzene	16.108	105	3203510	10.822	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	1982586	10.655	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1933139	10.729	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1939024	10.512	ppbv	100
78) Hexachloro-1,3-Butadiene	22.632	225	1474446	9.373	ppbv	99
79) Naphthalene	21.378	128	3289970	12.592	ppbv	100
80) Naphthalene,2-methyl-	24.371	142	2972862	13.574	ppbv	99
81) 1,2,4-Trichlorobenzene	21.137	180	1724543	11.092	ppbv	99

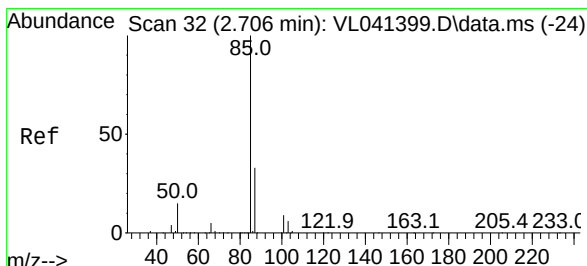
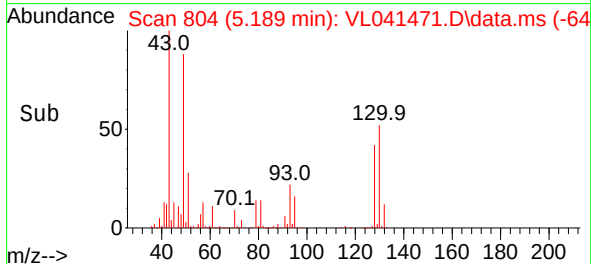
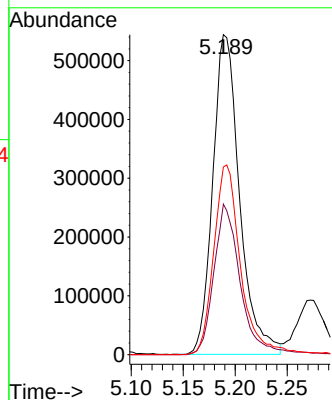
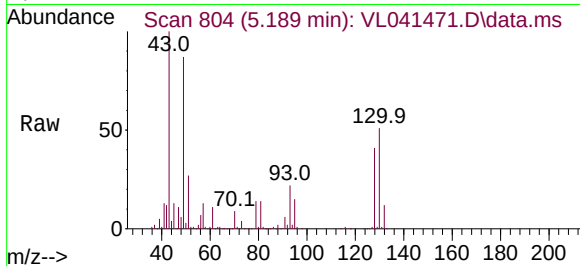
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

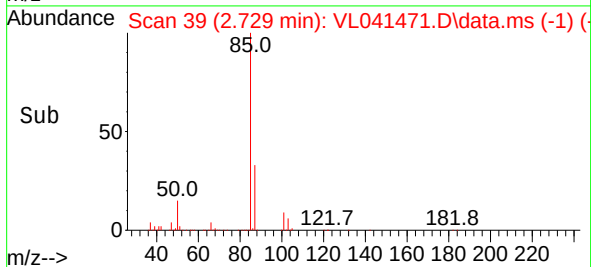
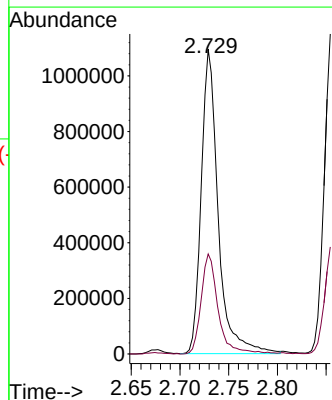
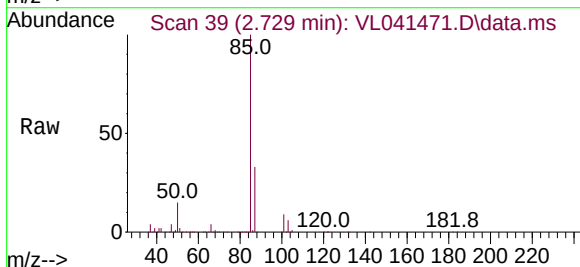
Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

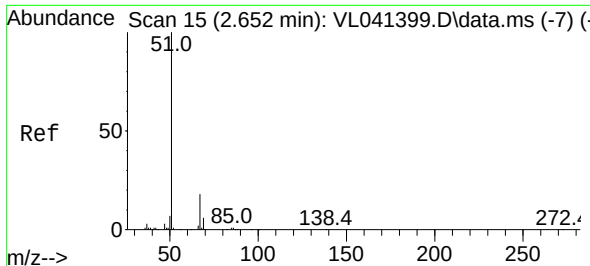
Tgt Ion: 49 Resp: 976119
Ion Ratio Lower Upper
49 100
128 47.1 23.8 71.4
130 60.5 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 7.888 ppbv
RT: 2.729 min Scan# 39
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion: 85 Resp: 1324673
Ion Ratio Lower Upper
85 100
87 32.8 26.0 39.0

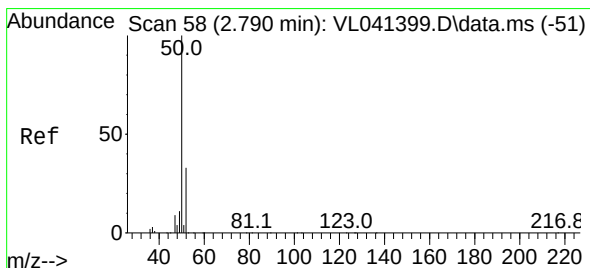
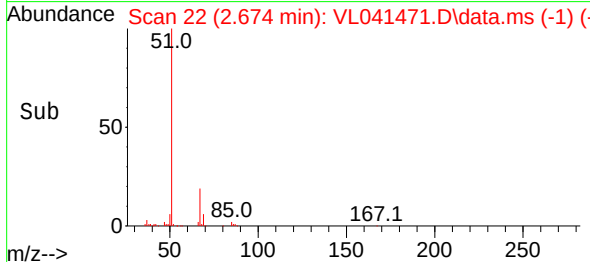
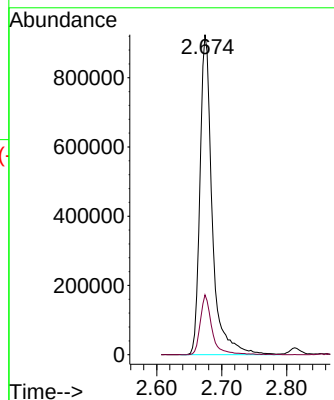
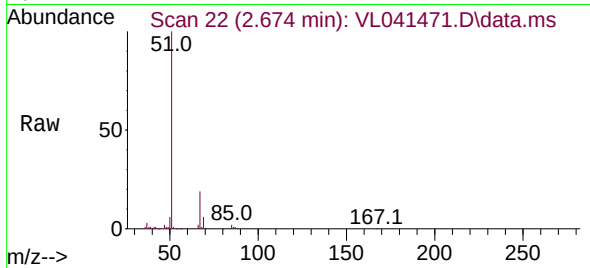




#3
Chlorodifluoromethane
Concen: 10.453 ppbv
RT: 2.674 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

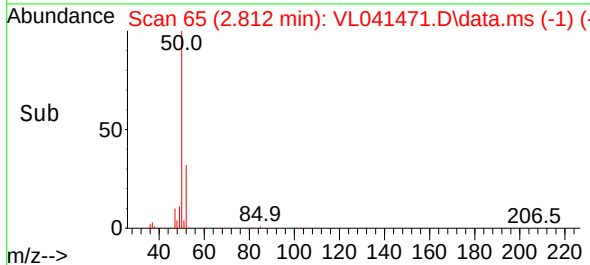
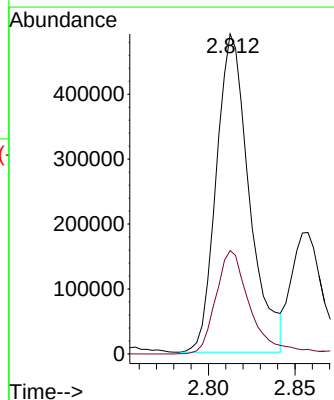
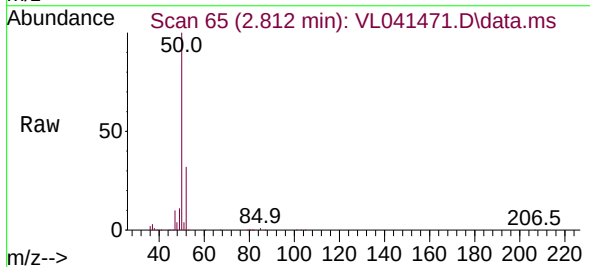
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ClientSampleId :
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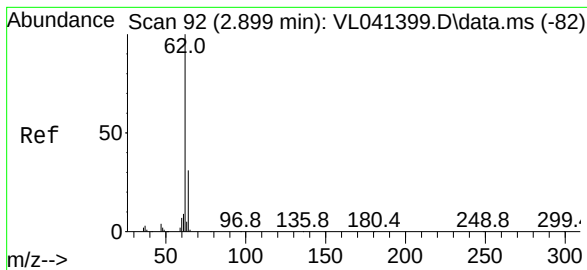
Tgt Ion: 51 Resp: 1214698
Ion Ratio Lower Upper
51 100
67 17.9 14.5 21.7



#4
Chloromethane
Concen: 10.522 ppbv
RT: 2.812 min Scan# 65
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion: 50 Resp: 650317
Ion Ratio Lower Upper
50 100
52 32.4 26.1 39.1

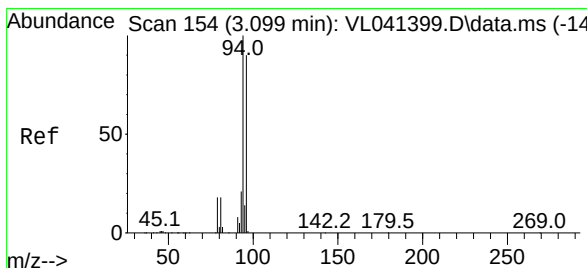
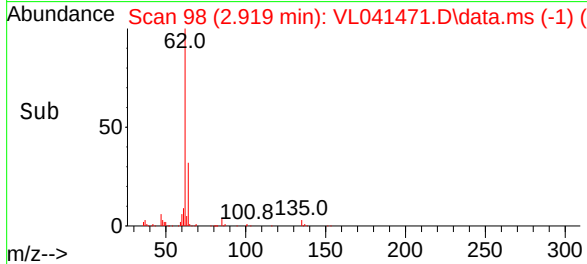
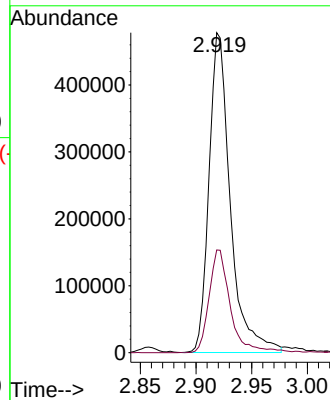
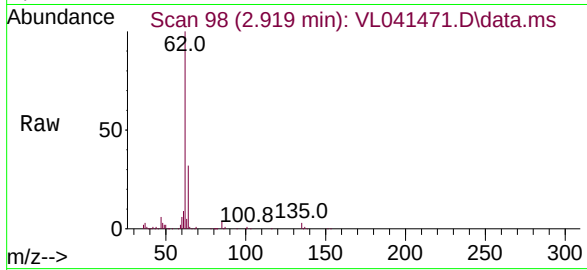




#5
 Vinyl Chloride
 Concen: 10.423 ppbv
 RT: 2.919 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VL041471.D
 Acq: 1 Aug 2024 9:58

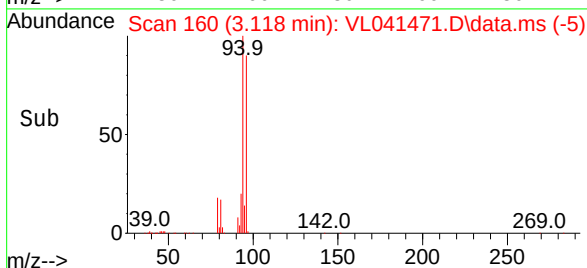
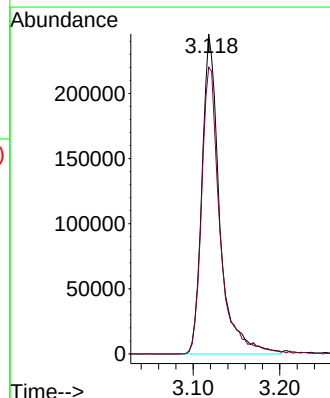
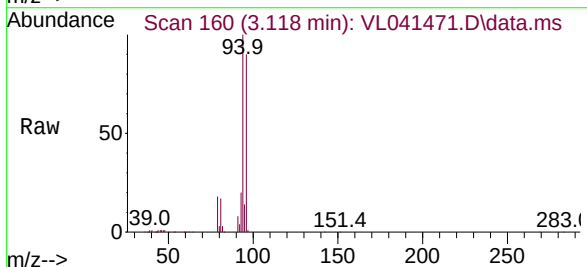
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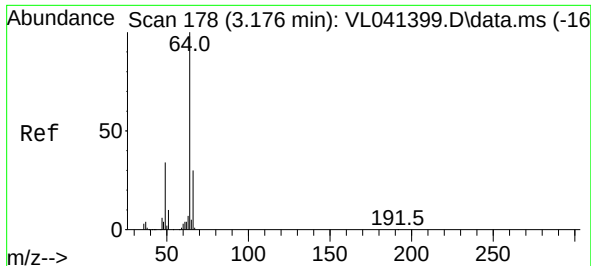
Tgt Ion: 62 Resp: 634952
 Ion Ratio Lower Upper
 62 100
 64 32.1 25.0 37.4



#6
 Bromomethane
 Concen: 11.072 ppbv
 RT: 3.118 min Scan# 160
 Delta R.T. -0.000 min
 Lab File: VL041471.D
 Acq: 1 Aug 2024 9:58

Tgt Ion: 94 Resp: 346663
 Ion Ratio Lower Upper
 94 100
 96 89.6 72.3 108.5

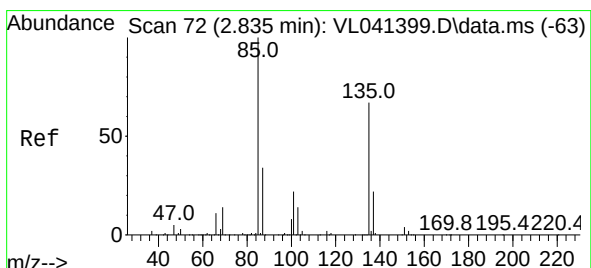
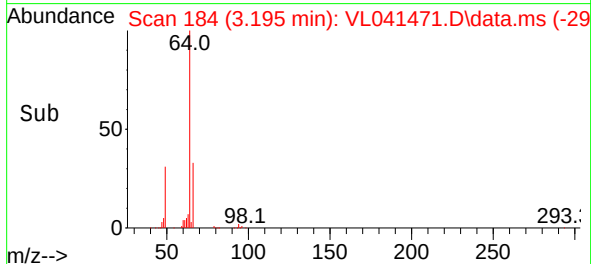
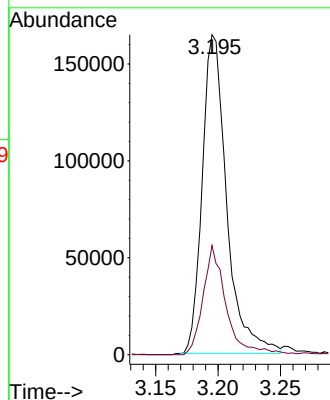
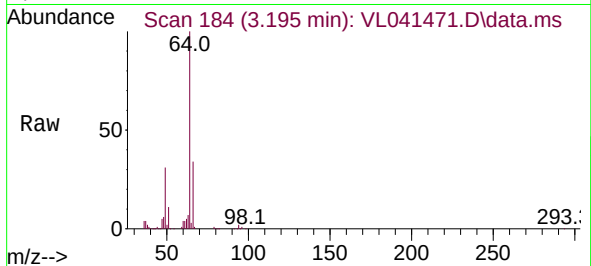




#7
Chloroethane
Concen: 10.677 ppbv
RT: 3.195 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

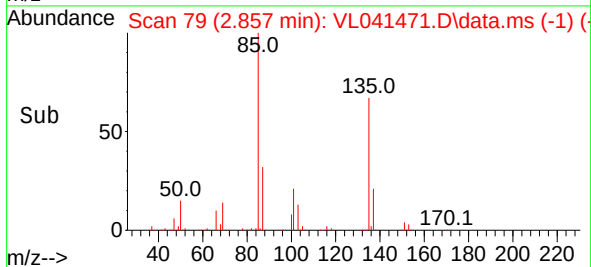
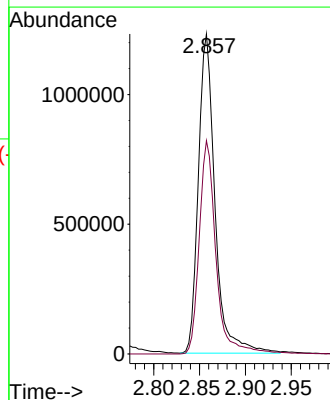
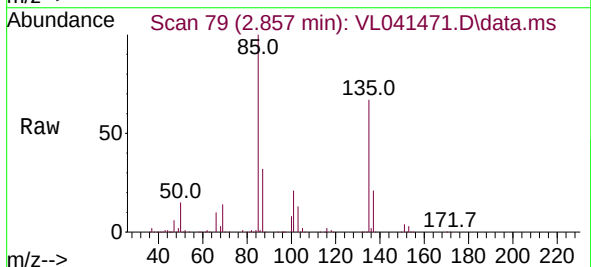
Instrument :
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ClientSampleId :
VL0801ABS01

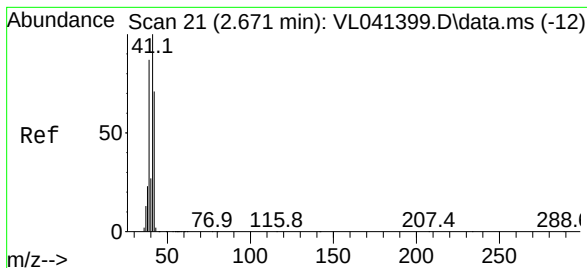
Tgt Ion: 64 Resp: 224486
Ion Ratio Lower Upper
64 100
66 34.1 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 10.451 ppbv
RT: 2.857 min Scan# 79
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion: 85 Resp: 1555042
Ion Ratio Lower Upper
85 100
135 67.7 55.4 83.0





#9

Propene

Concen: 10.437 ppbv

RT: 2.694 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

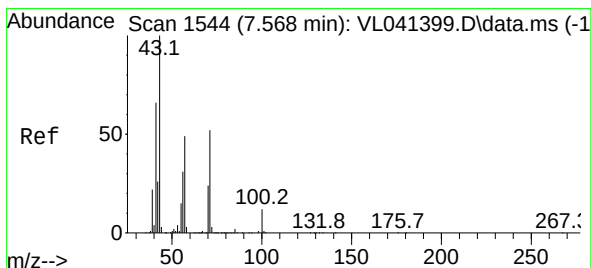
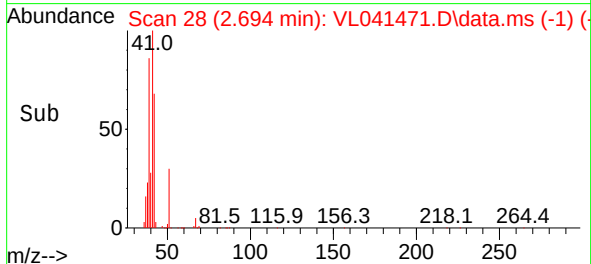
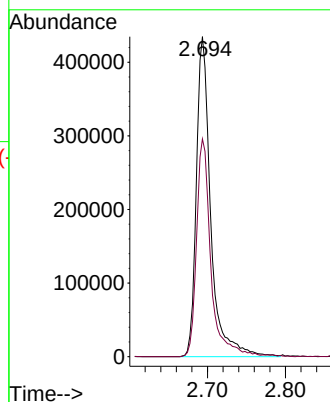
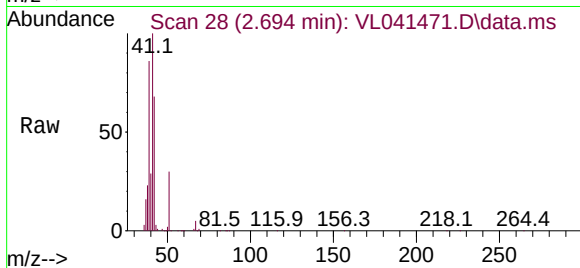
VL0801ABS01

Tgt Ion: 41 Resp: 557155

Ion Ratio Lower Upper

41 100

42 68.3 55.9 83.9



#10

Heptane

Concen: 11.283 ppbv

RT: 7.581 min Scan# 1548

Delta R.T. 0.003 min

Lab File: VL041471.D

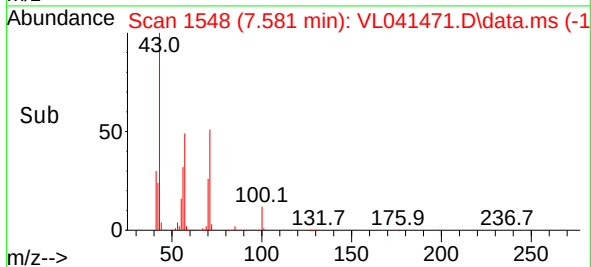
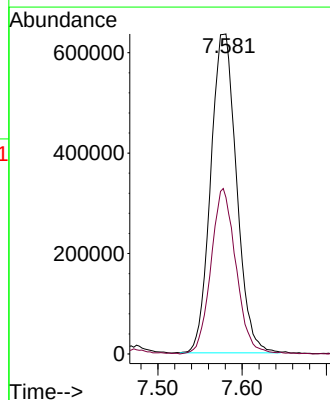
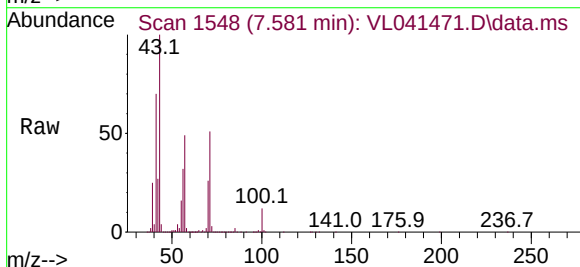
Acq: 1 Aug 2024 9:58

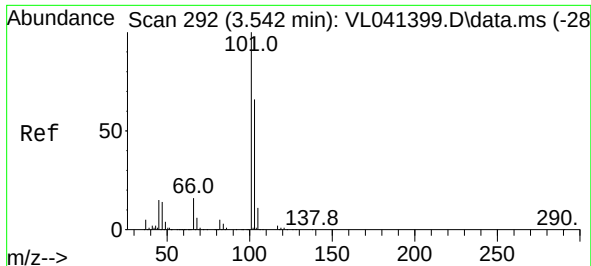
Tgt Ion: 43 Resp: 1353231

Ion Ratio Lower Upper

43 100

57 50.4 40.5 60.7

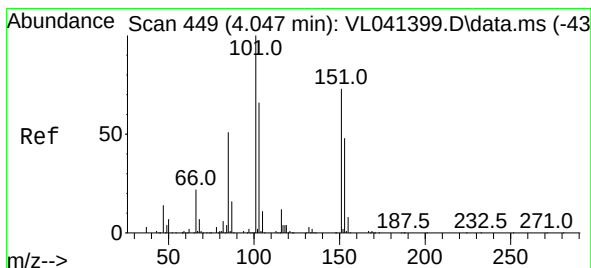
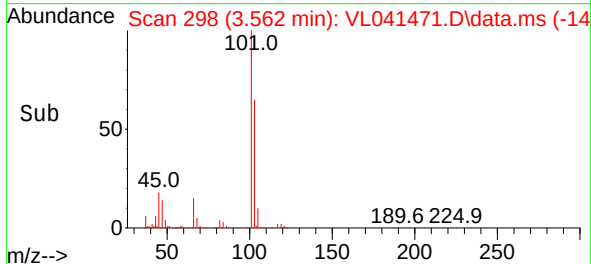
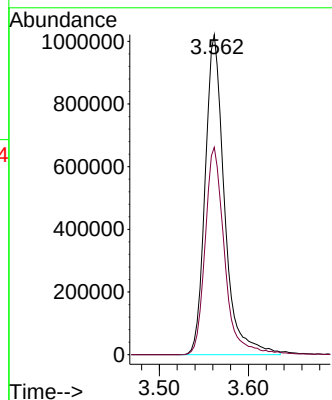
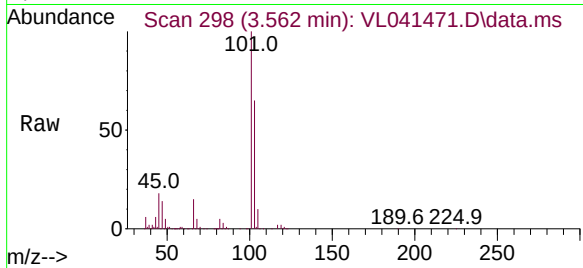




#11
 Trichlorofluoromethane
 Concen: 10.282 ppbv
 RT: 3.562 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VL041471.D
 Acq: 1 Aug 2024 9:58

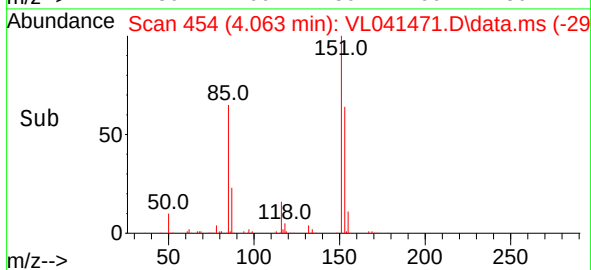
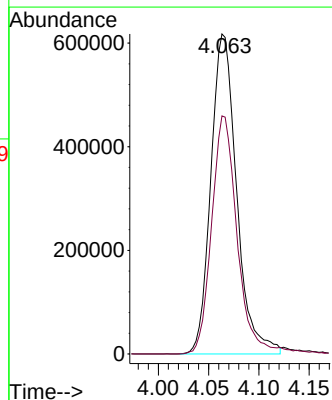
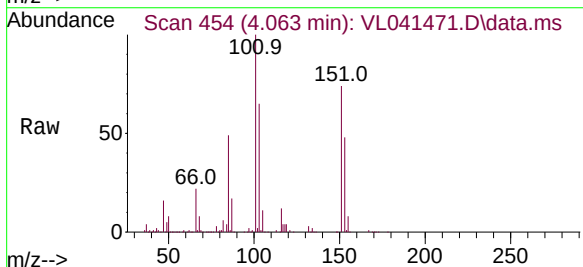
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

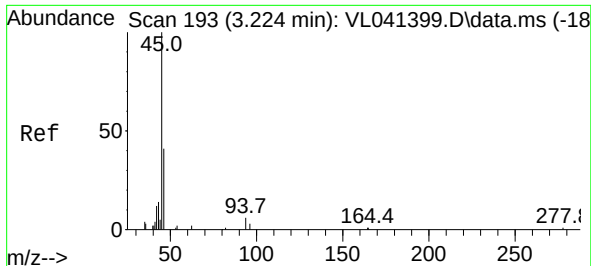
Tgt Ion:101 Resp: 1533466
 Ion Ratio Lower Upper
 101 100
 103 64.8 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.265 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. -0.000 min
 Lab File: VL041471.D
 Acq: 1 Aug 2024 9:58

Tgt Ion:101 Resp: 1102395
 Ion Ratio Lower Upper
 101 100
 151 74.5 59.4 89.2





#13

Ethanol

Concen: 6.476 ppbv

RT: 3.243 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

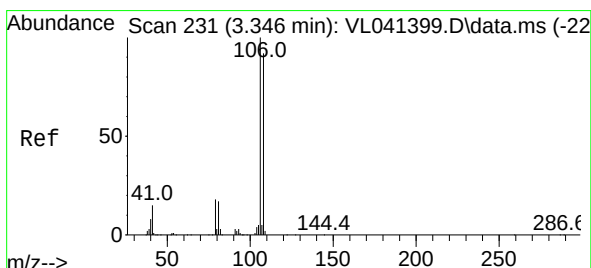
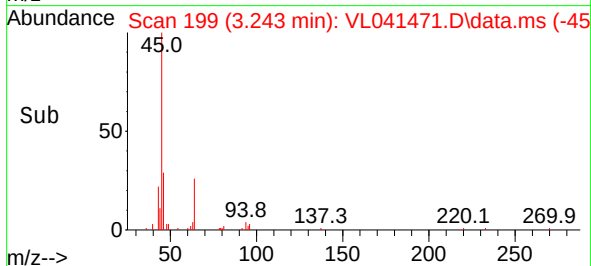
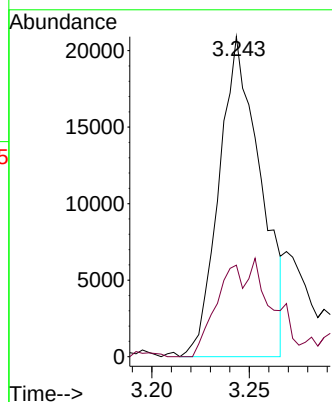
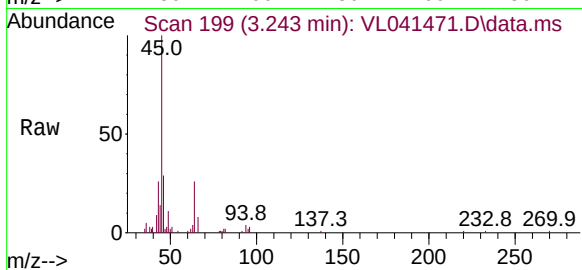
VL0801ABS01

Tgt Ion: 45 Resp: 30898

Ion Ratio Lower Upper

45 100

46 46.3 13.4 53.4



#14

Bromoethene

Concen: 10.917 ppbv

RT: 3.366 min Scan# 237

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

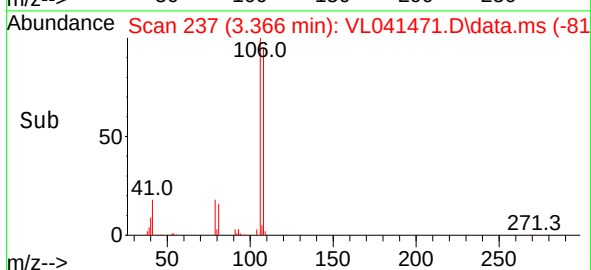
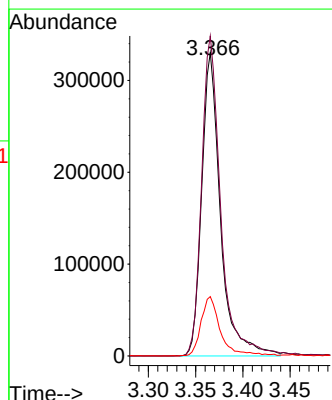
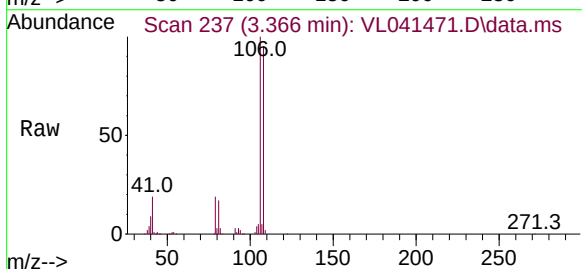
Tgt Ion:108 Resp: 457062

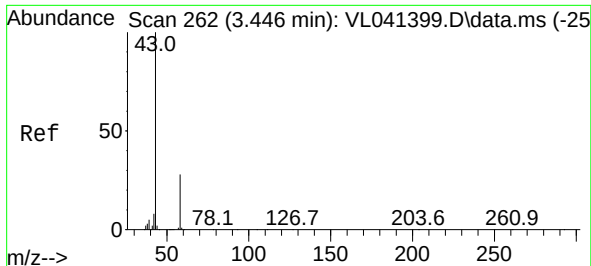
Ion Ratio Lower Upper

108 100

106 108.5 86.9 130.3

79 20.8 16.2 24.4

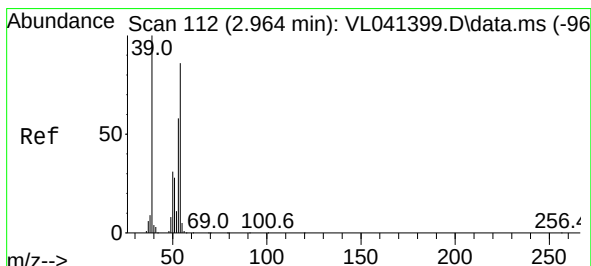
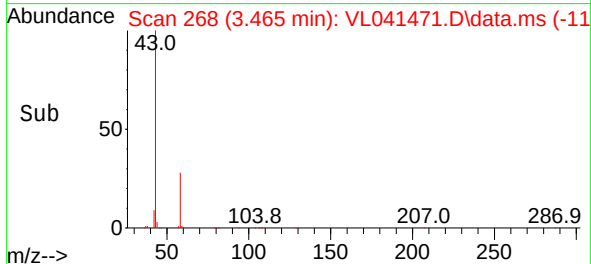
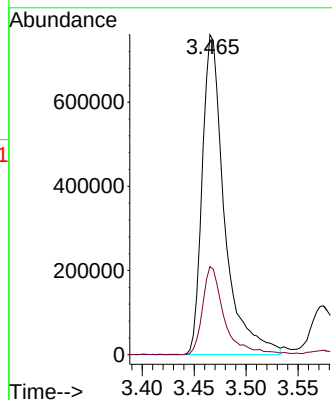
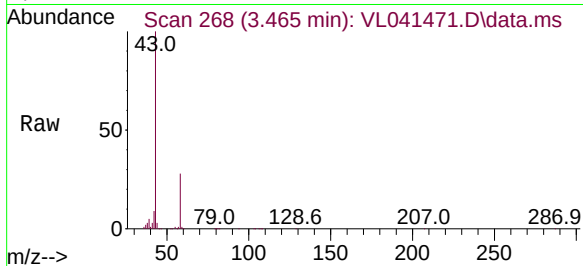




#15
Acetone
Concen: 10.219 ppbv
RT: 3.465 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

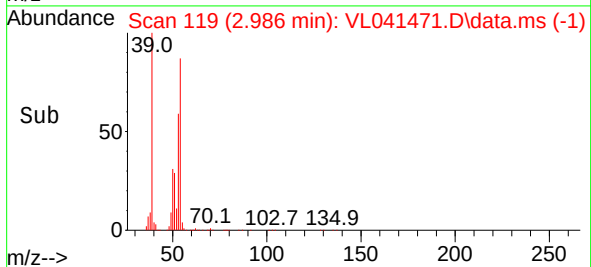
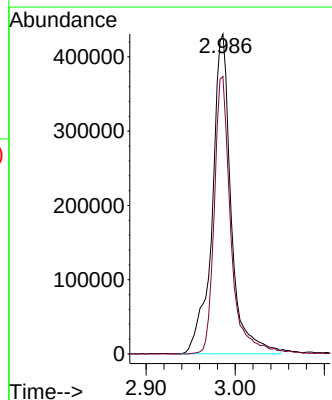
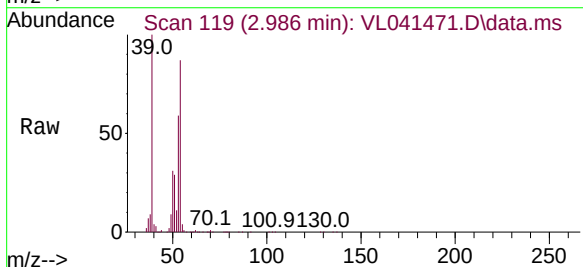
Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

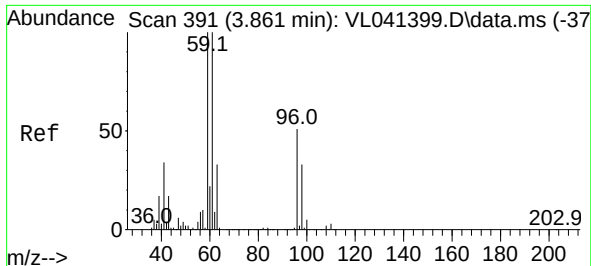
Tgt Ion: 43 Resp: 1133327
Ion Ratio Lower Upper
43 100
58 27.1 21.4 32.2



#16
1,3-Butadiene
Concen: 10.766 ppbv
RT: 2.986 min Scan# 119
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion: 39 Resp: 637961
Ion Ratio Lower Upper
39 100
54 76.4 62.5 93.7





#17

tert-Butyl alcohol

Concen: 11.329 ppbv

RT: 3.874 min Scan# 395

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

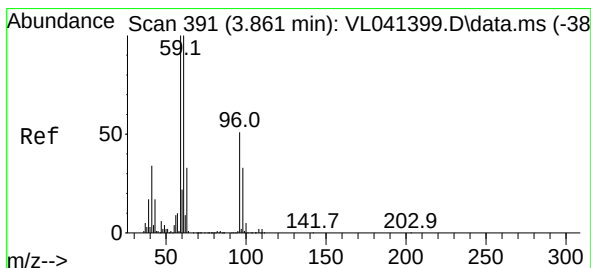
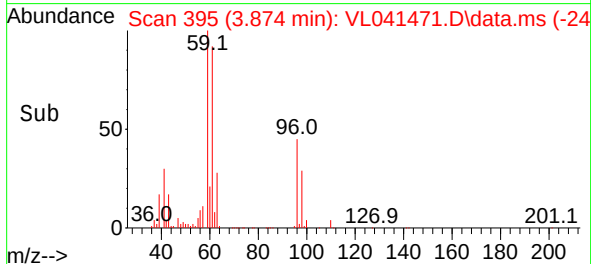
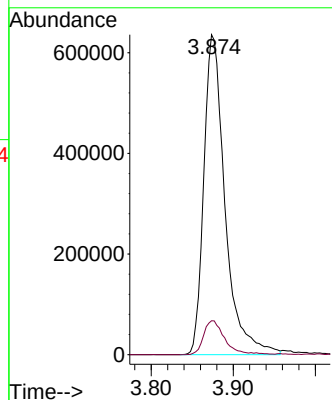
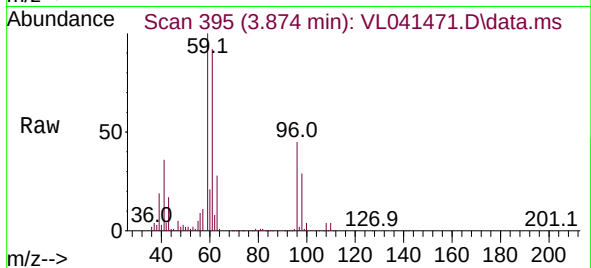
VL0801ABS01

Tgt Ion: 59 Resp: 1145955

Ion Ratio Lower Upper

59 100

57 10.9 8.6 12.8



#18

1,1-Dichloroethene

Concen: 10.907 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

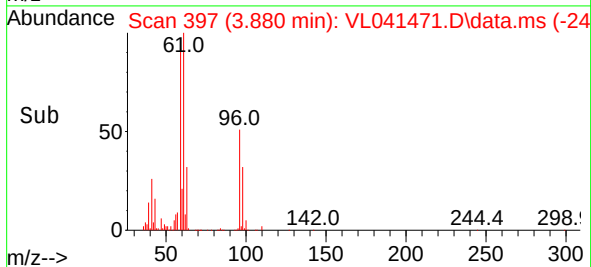
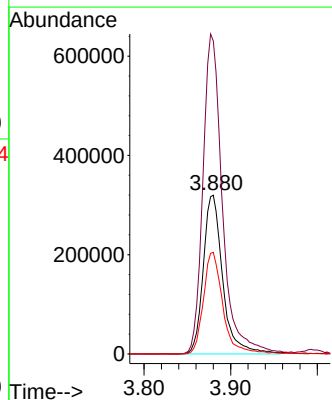
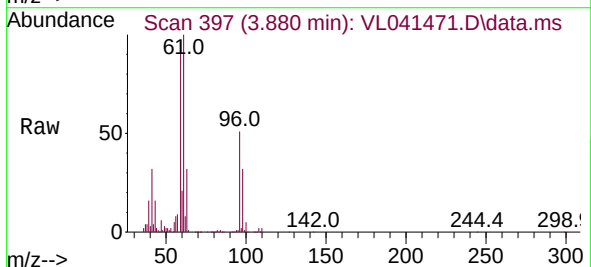
Tgt Ion: 96 Resp: 501034

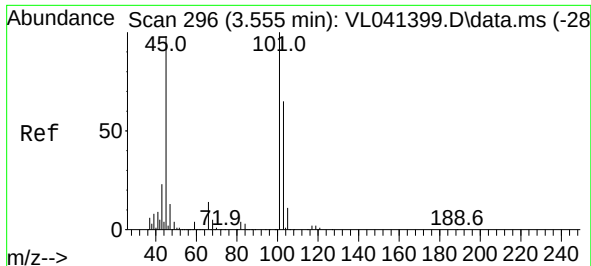
Ion Ratio Lower Upper

96 100

61 197.1 157.5 236.3

98 64.0 51.2 76.8





#19

Isopropyl Alcohol

Concen: 11.178 ppbv

RT: 3.575 min Scan# 302

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

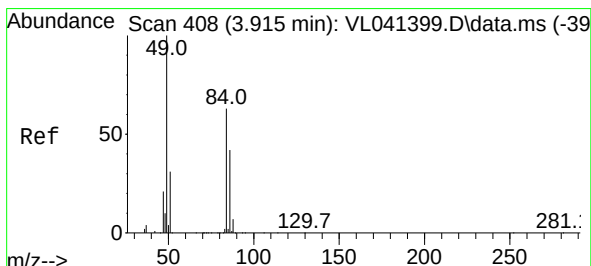
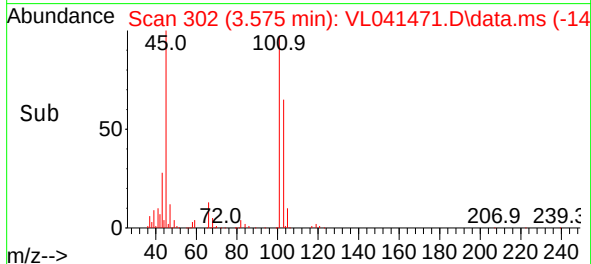
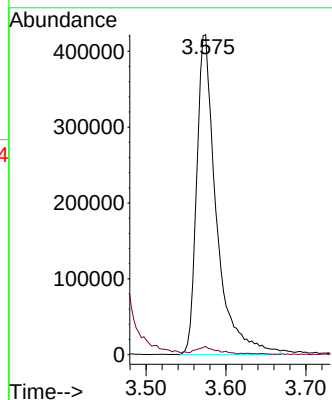
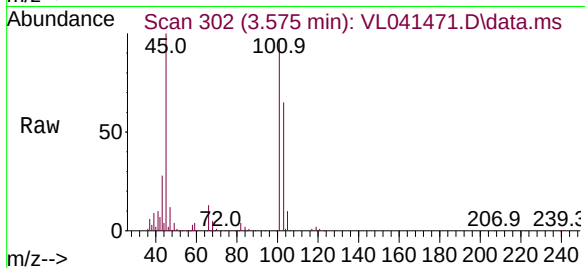
VL0801ABS01

Tgt Ion: 45 Resp: 724747

Ion Ratio Lower Upper

45 100

58 2.3 1.9 2.9



#20

Methylene Chloride

Concen: 10.042 ppbv

RT: 3.931 min Scan# 413

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Tgt Ion: 84 Resp: 415315

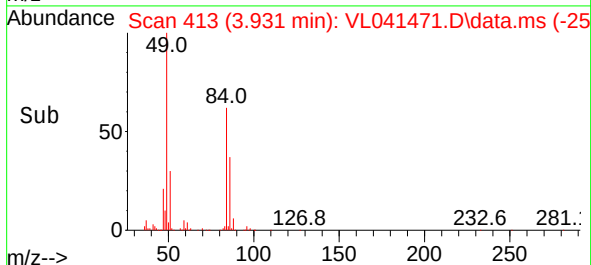
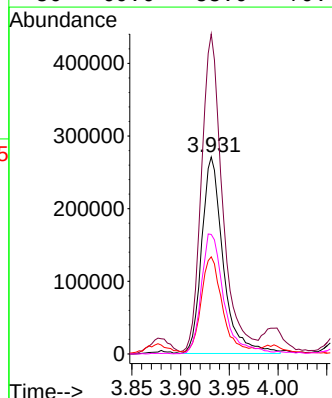
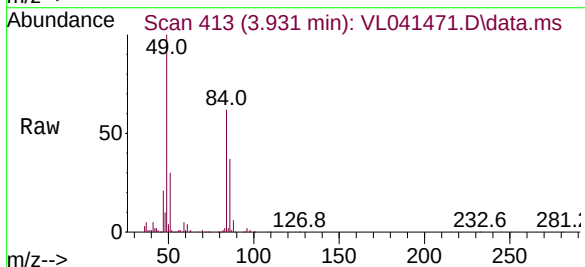
Ion Ratio Lower Upper

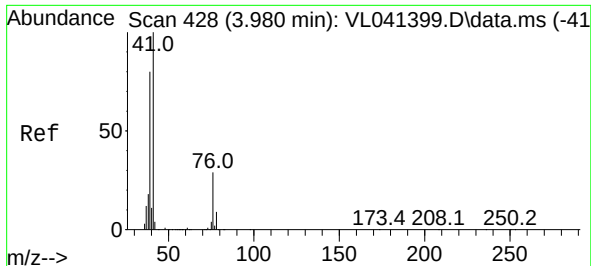
84 100

49 161.7 126.6 190.0

51 48.1 38.6 58.0

86 60.6 53.0 79.4





#21

Allyl Chloride

Concen: 10.810 ppbv

RT: 3.996 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

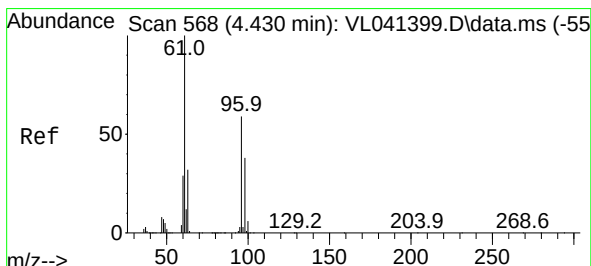
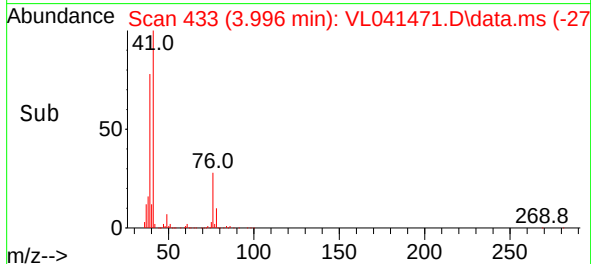
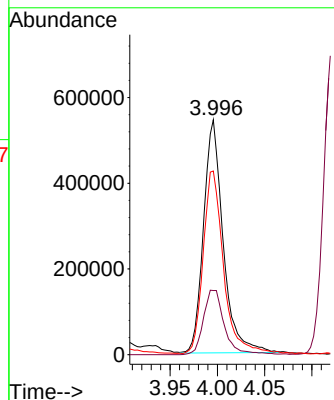
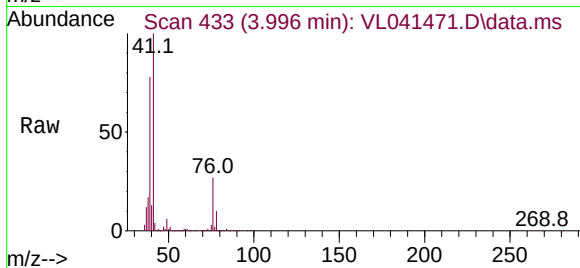
Tgt Ion: 41 Resp: 786277

Ion Ratio Lower Upper

41 100

76 29.6 23.7 35.5

39 82.0 64.3 96.5



#22

trans-1,2-Dichloroethene

Concen: 10.140 ppbv

RT: 4.443 min Scan# 572

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

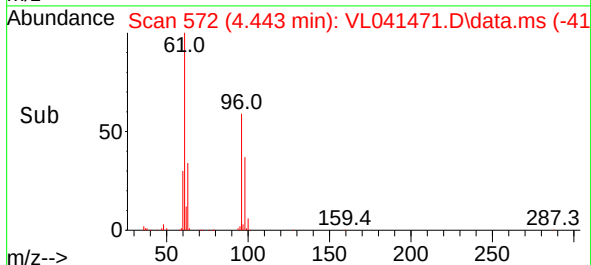
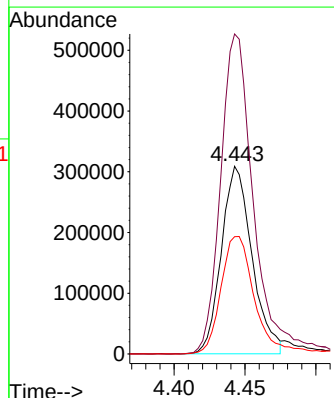
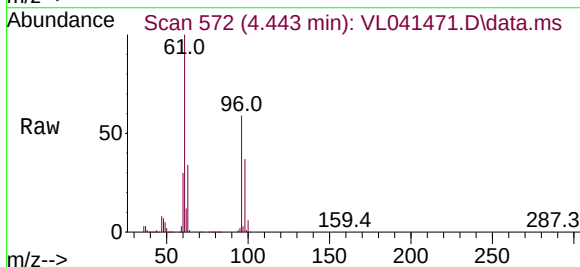
Tgt Ion: 96 Resp: 465766

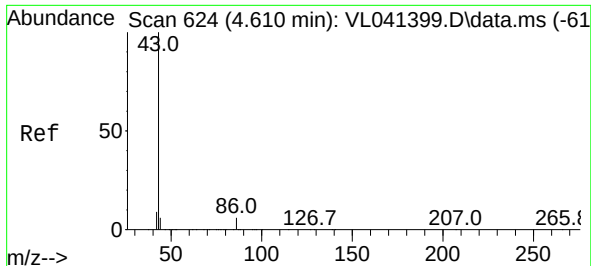
Ion Ratio Lower Upper

96 100

61 170.6 135.4 203.2

98 62.5 51.0 76.4



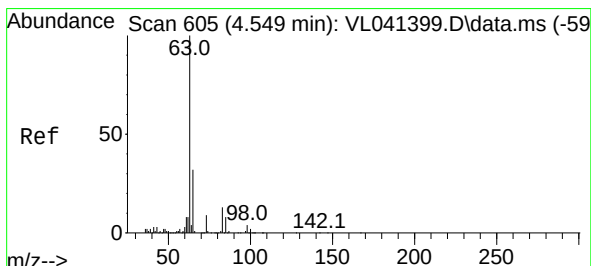
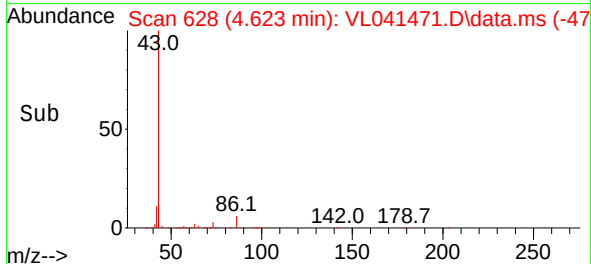
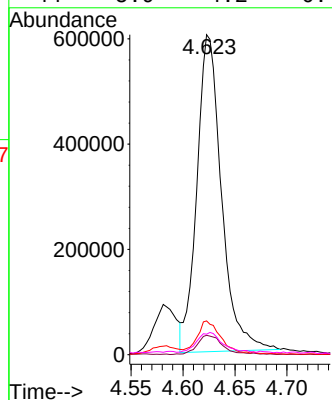
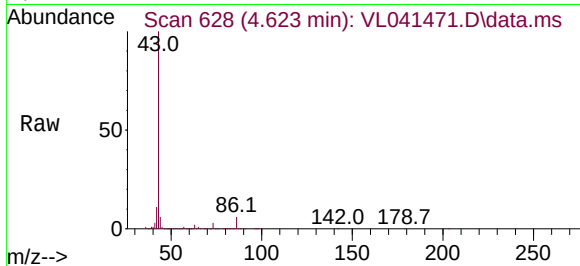


#23
 Vinyl Acetate
 Concen: 11.749 ppbv
 RT: 4.623 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL041471.D
 Acq: 1 Aug 2024 9:58

Instrument :
 MSVOA_1
 ClientSampleId :
 VL0801ABS01

Tgt Ion: 43 Resp: 995171

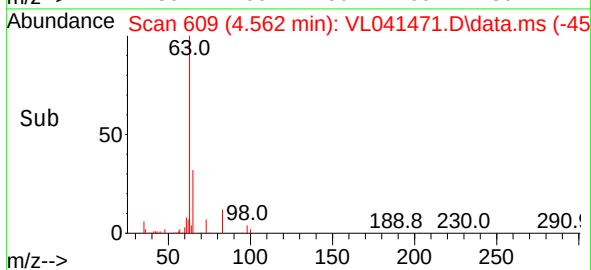
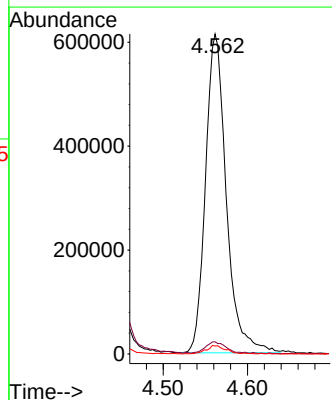
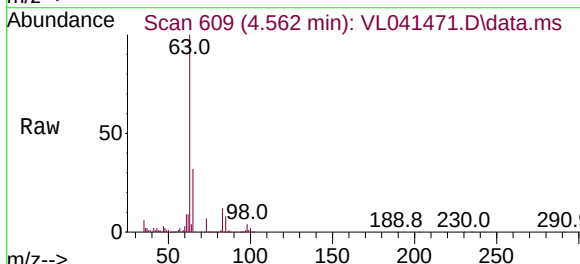
Ion	Ratio	Lower	Upper
43	100		
86	6.0	4.6	6.8
42	10.5	7.9	11.9
44	5.9	4.2	6.4

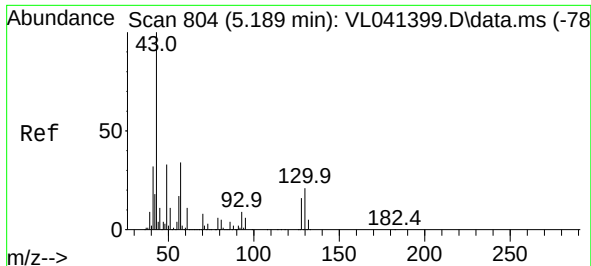


#24
 1,1-Dichloroethane
 Concen: 10.583 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. -0.000 min
 Lab File: VL041471.D
 Acq: 1 Aug 2024 9:58

Tgt Ion: 63 Resp: 1055455

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.0	6.0
100	2.5	1.2	3.6





#25

Ethyl Acetate

Concen: 10.959 ppbv

RT: 5.201 min Scan# 804

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tgt Ion: 43 Resp: 2414683

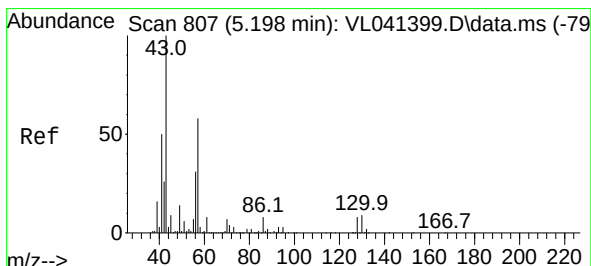
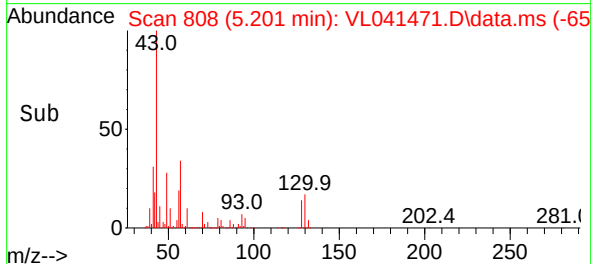
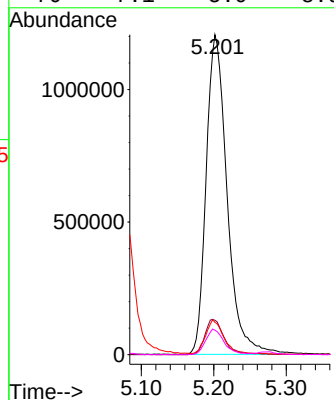
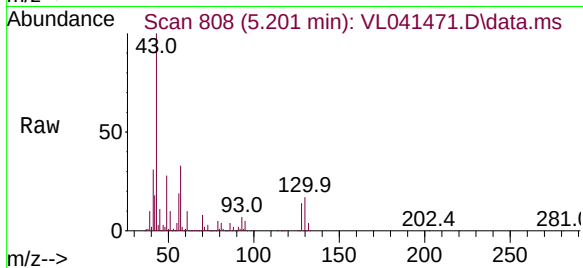
Ion Ratio Lower Upper

43 100

45 10.4 8.5 12.7

61 10.3 8.0 12.0

70 7.1 5.9 8.9



#26

Hexane

Concen: 10.896 ppbv

RT: 5.211 min Scan# 811

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Tgt Ion: 57 Resp: 995901

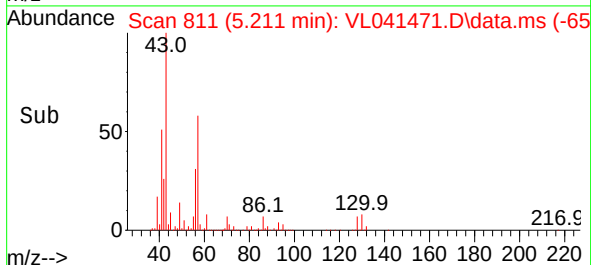
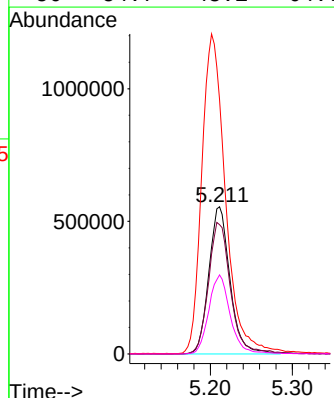
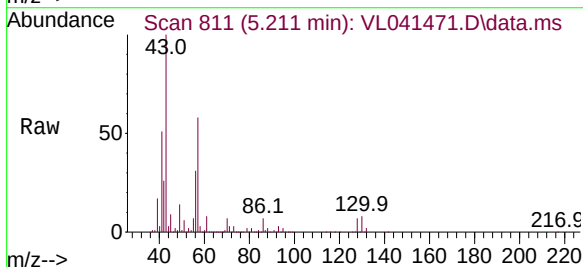
Ion Ratio Lower Upper

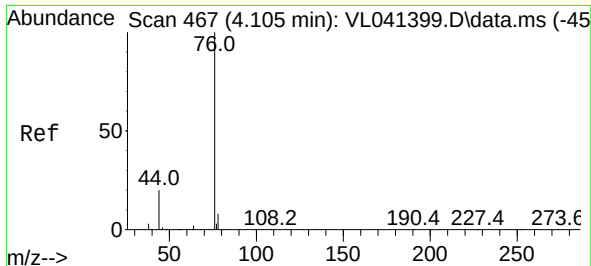
57 100

41 94.0 74.0 111.0

43 244.6 193.6 290.4

56 54.7 43.1 64.7

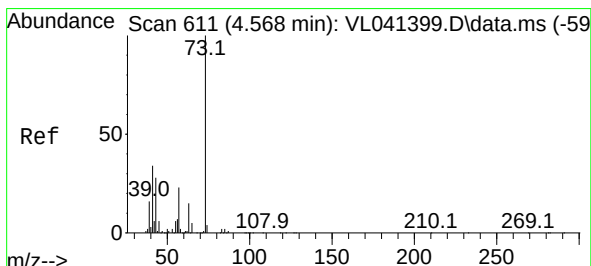
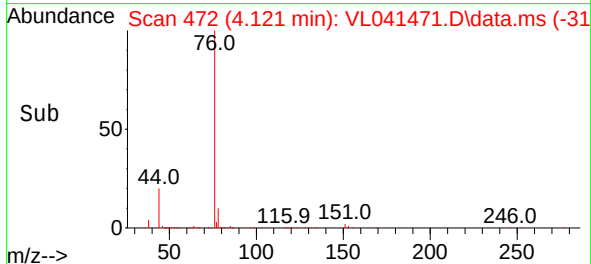
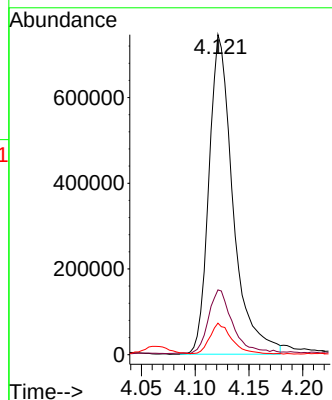
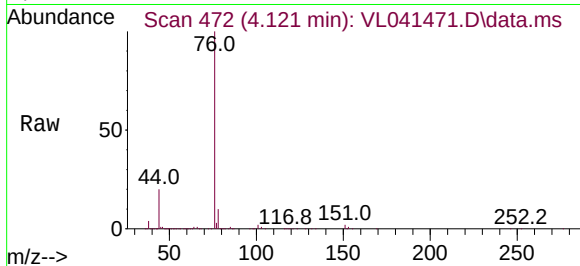




#27
Carbon Disulfide
Concen: 10.879 ppbv
RT: 4.121 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

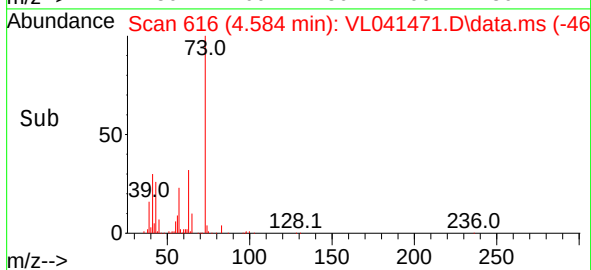
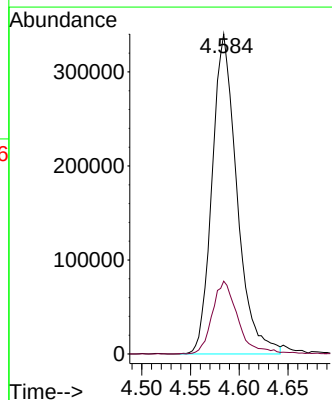
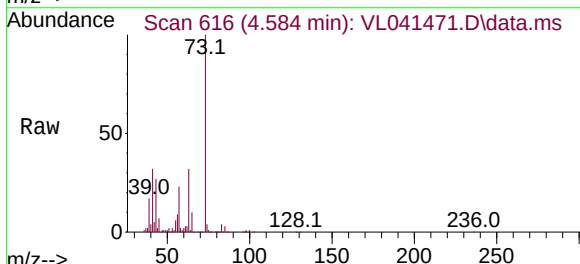
Instrument :
MSVOA_1
ClientSampleId :
VL0801ABS01

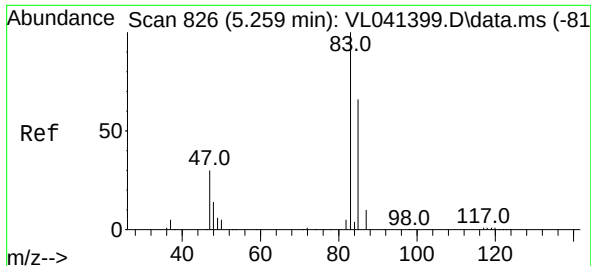
Tgt Ion: 76 Resp: 1163264
Ion Ratio Lower Upper
76 100
44 21.2 15.6 23.4
78 9.7 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 10.498 ppbv
RT: 4.584 min Scan# 616
Delta R.T. 0.003 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion: 73 Resp: 605123
Ion Ratio Lower Upper
73 100
57 23.9 18.9 28.3

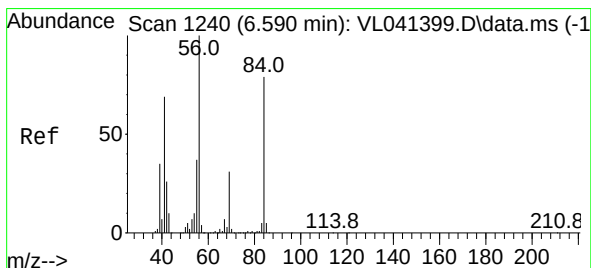
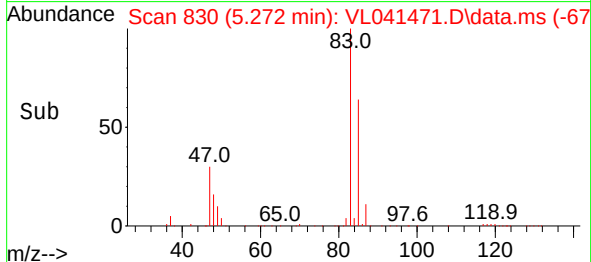
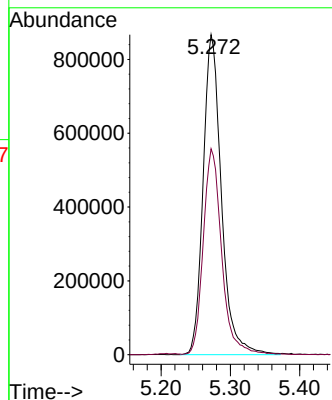
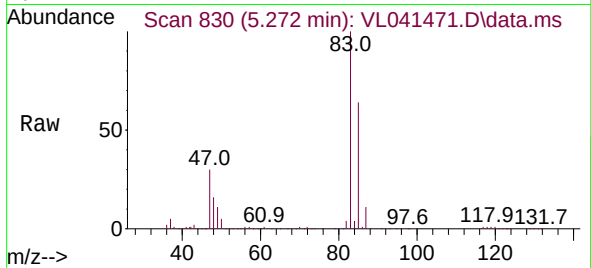




#29
Chloroform
Concen: 10.649 ppbv
RT: 5.272 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

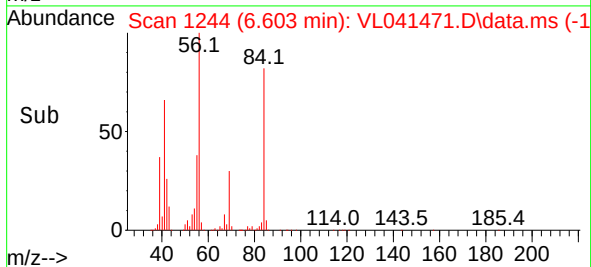
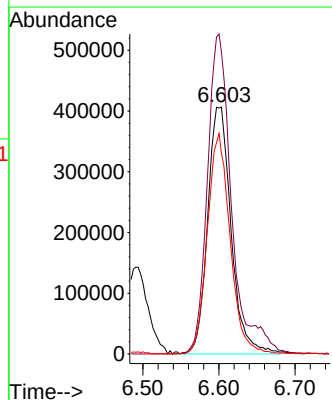
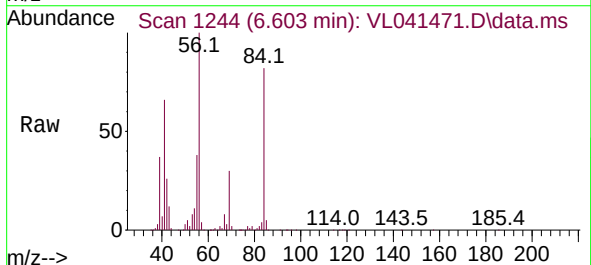
Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

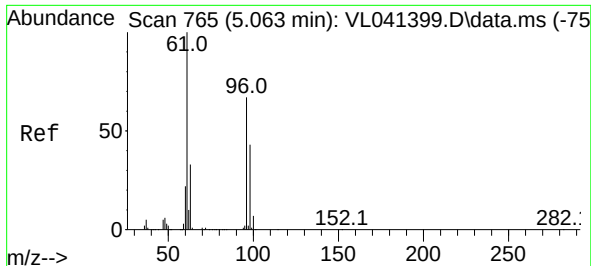
Tgt Ion: 83 Resp: 1587523
Ion Ratio Lower Upper
83 100
85 64.2 53.1 79.7



#30
Cyclohexane
Concen: 11.741 ppbv
RT: 6.603 min Scan# 1244
Delta R.T. 0.006 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion: 84 Resp: 873879
Ion Ratio Lower Upper
84 100
56 134.1 111.2 166.8
41 86.2 70.3 105.5

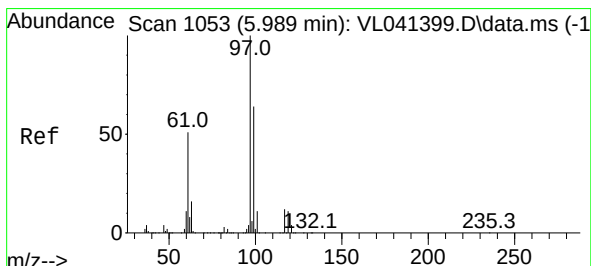
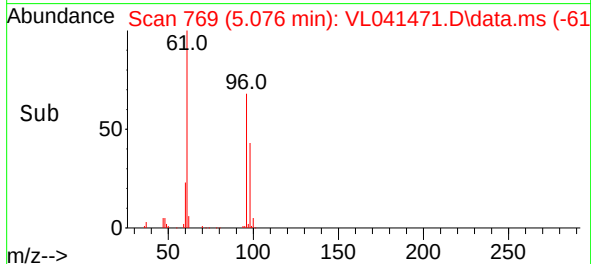
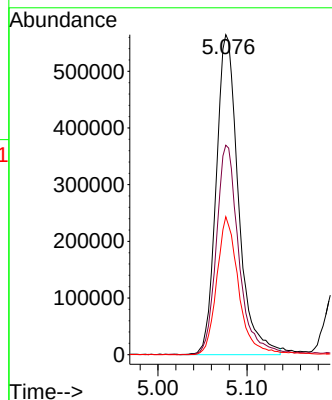
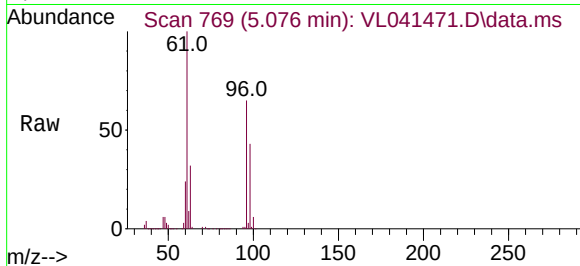




#31
 cis-1,2-Dichloroethene
 Concen: 10.862 ppbv
 RT: 5.076 min Scan# 765
 Delta R.T. -0.000 min
 Lab File: VL041471.D
 Acq: 1 Aug 2024 9:58

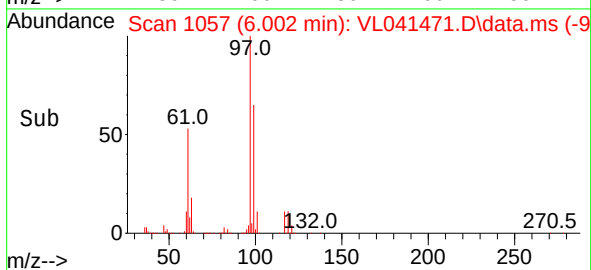
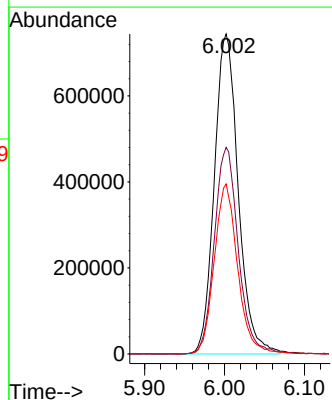
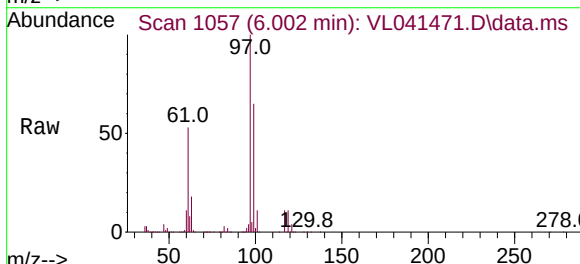
Instrument :
 MSVOA_1
 ClientSampleId :
 VL0801ABS01

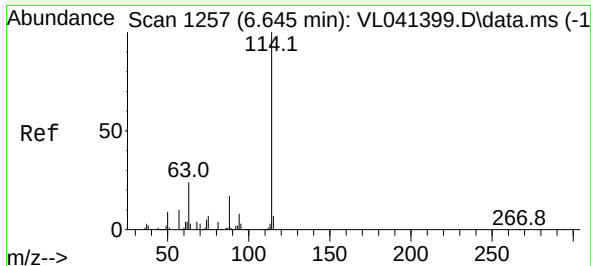
Tgt Ion: 61 Resp: 980793
 Ion Ratio Lower Upper
 61 100
 96 65.4 53.4 80.2
 98 43.1 34.4 51.6



#32
 1,1,1-Trichloroethane
 Concen: 10.635 ppbv
 RT: 6.002 min Scan# 1057
 Delta R.T. 0.003 min
 Lab File: VL041471.D
 Acq: 1 Aug 2024 9:58

Tgt Ion: 97 Resp: 1543296
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.0 78.0
 61 52.3 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

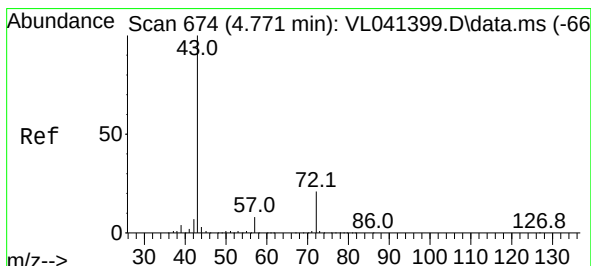
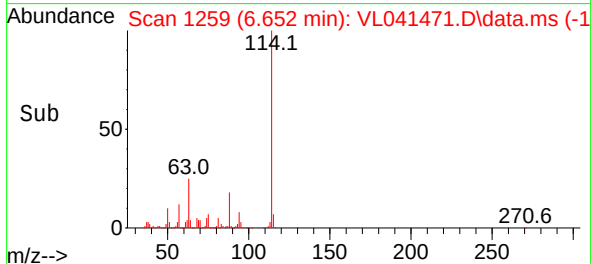
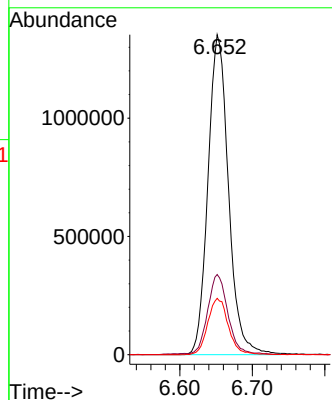
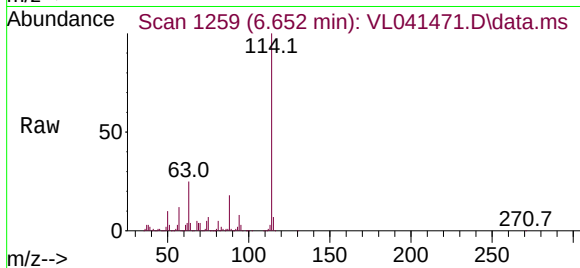
Tgt Ion:114 Resp: 2660235

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.7 14.3 21.5



#34

2-Butanone

Concen: 11.136 ppbv

RT: 4.783 min Scan# 678

Delta R.T. -0.000 min

Lab File: VL041471.D

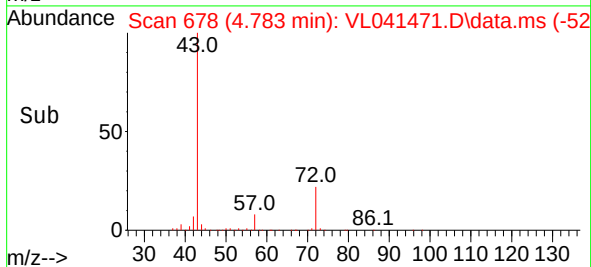
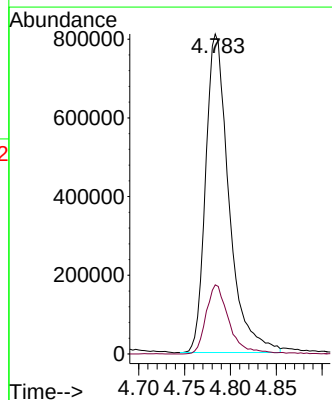
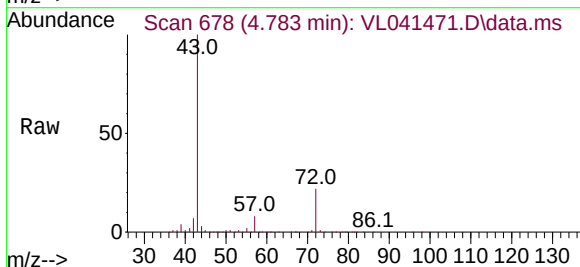
Acq: 1 Aug 2024 9:58

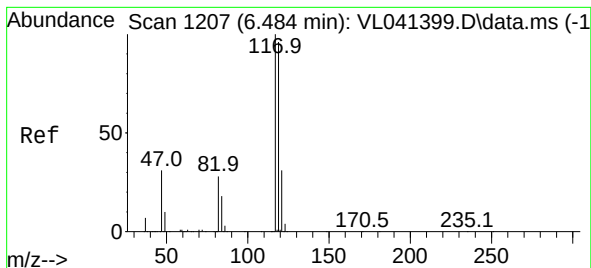
Tgt Ion: 43 Resp: 1433071

Ion Ratio Lower Upper

43 100

72 21.8 17.3 25.9





#35

Carbon Tetrachloride

Concen: 11.088 ppbv

RT: 6.491 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_1

ClientSampleId :

VL0801ABS01

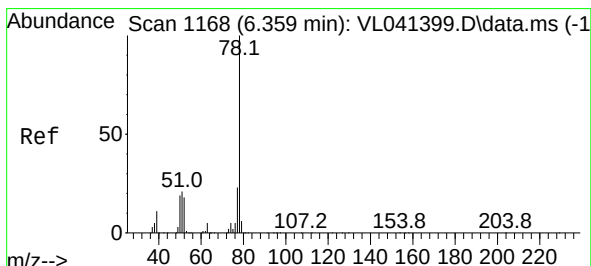
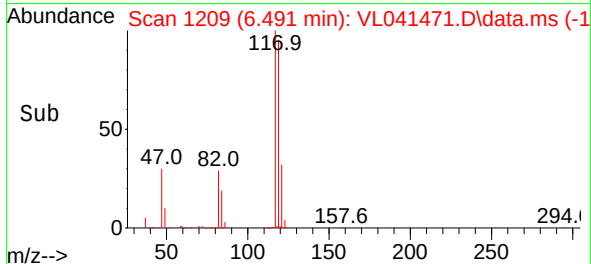
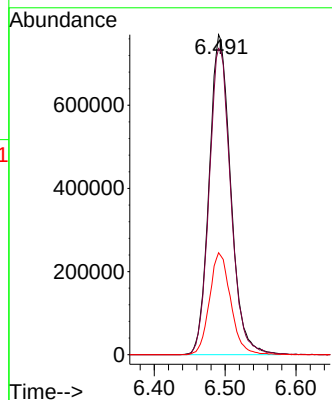
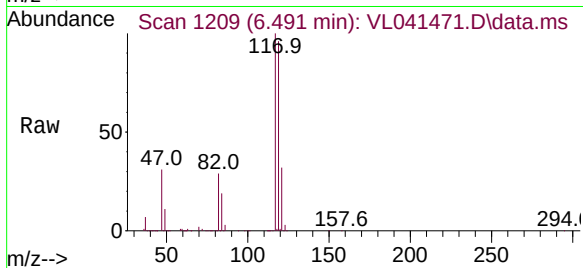
Tgt Ion:117 Resp: 1626913

Ion Ratio Lower Upper

117 100

119 95.7 76.6 115.0

121 31.8 25.1 37.7



#36

Benzene

Concen: 11.007 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

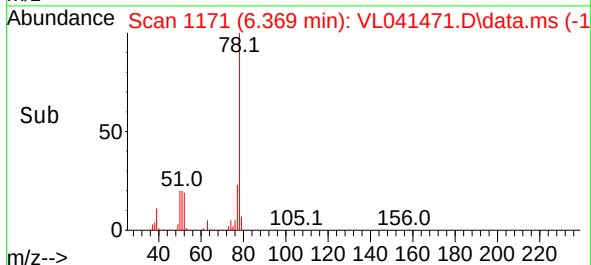
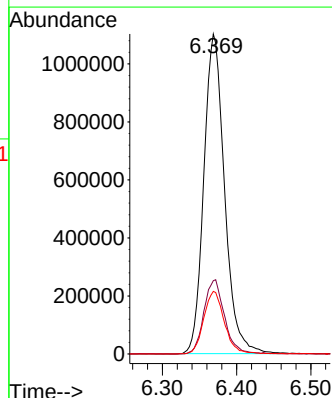
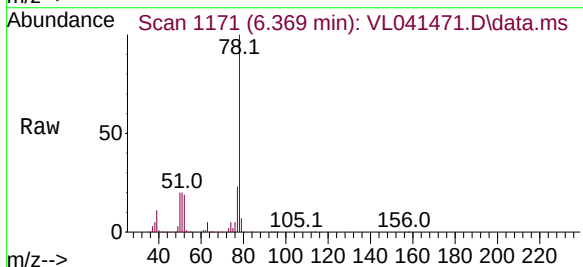
Tgt Ion: 78 Resp: 2139510

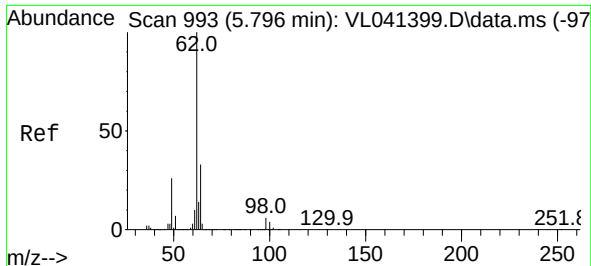
Ion Ratio Lower Upper

78 100

77 22.9 18.1 27.1

50 19.5 15.5 23.3





#37

1,2-Dichloroethane

Concen: 11.218 ppbv

RT: 5.806 min Scan# 993

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

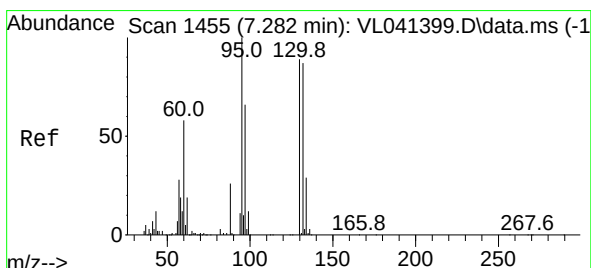
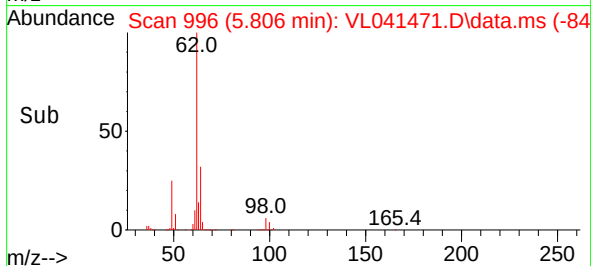
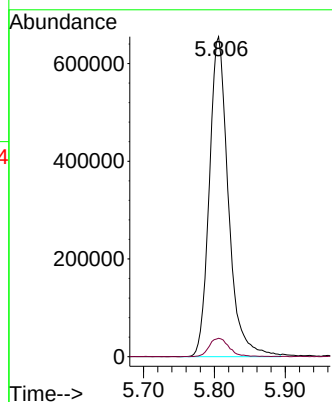
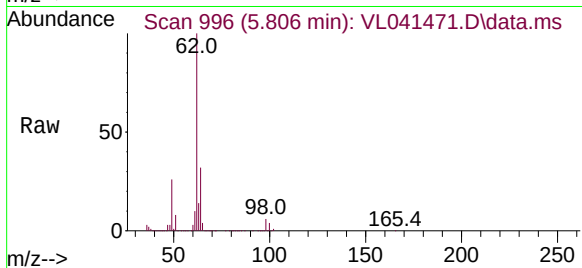
VL0801ABS01

Tgt Ion: 62 Resp: 1220445

Ion Ratio Lower Upper

62 100

98 6.2 5.0 7.4



#38

Trichloroethene

Concen: 11.183 ppbv

RT: 7.291 min Scan# 1458

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Tgt Ion:130 Resp: 995894

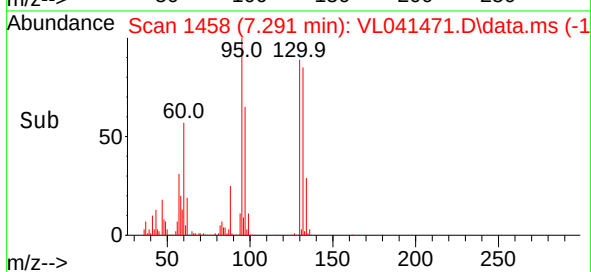
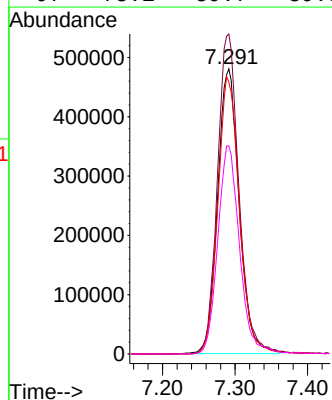
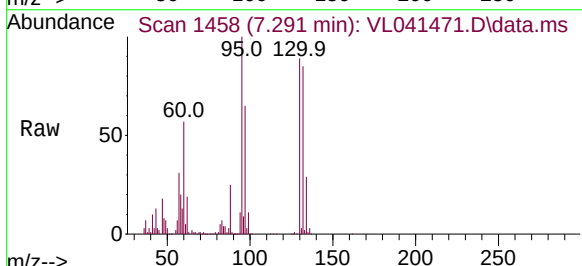
Ion Ratio Lower Upper

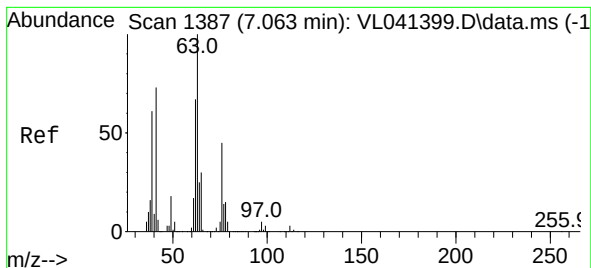
130 100

95 112.3 90.2 135.2

132 95.5 78.1 117.1

97 73.1 59.7 89.5





#39

1,2-Dichloropropane

Concen: 11.026 ppbv

RT: 7.073 min Scan# 1455

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

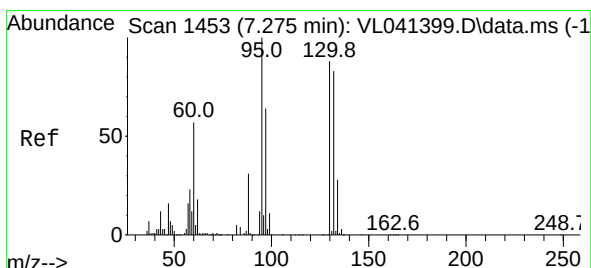
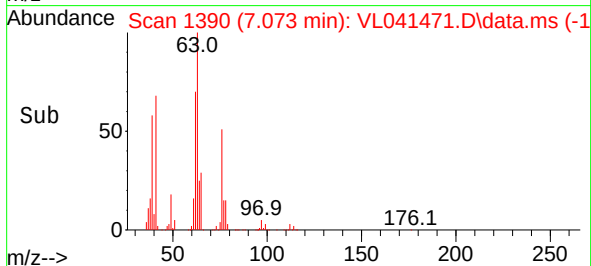
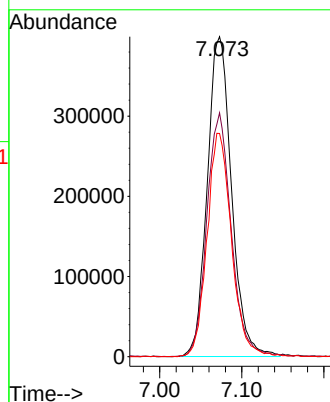
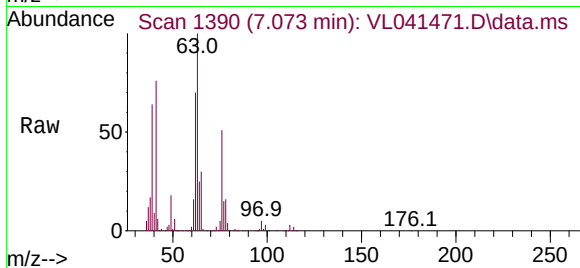
Tgt Ion: 63 Resp: 820518

Ion Ratio Lower Upper

63 100

41 76.0 58.3 87.5

62 69.6 53.9 80.9



#40

1,4-Dioxane

Concen: 12.081 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Tgt Ion: 88 Resp: 361174

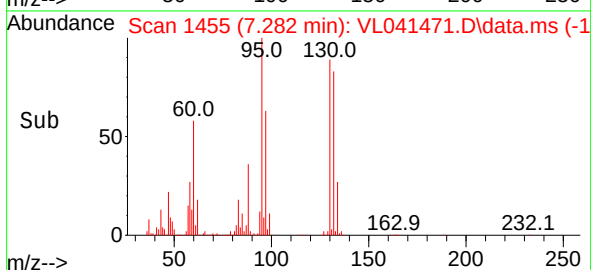
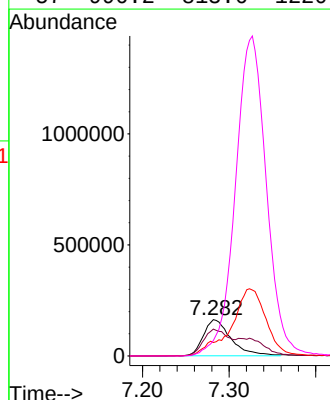
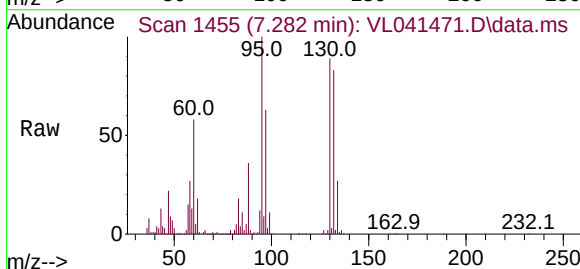
Ion Ratio Lower Upper

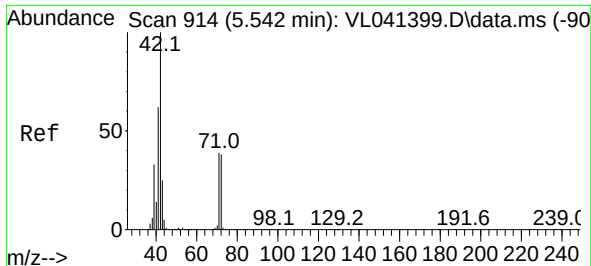
88 100

58 118.8 95.8 143.6

43 236.8 188.2 282.2

57 996.2 813.6 1220.4





#41

Tetrahydrofuran

Concen: 11.678 ppbv

RT: 5.555 min Scan# 914

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

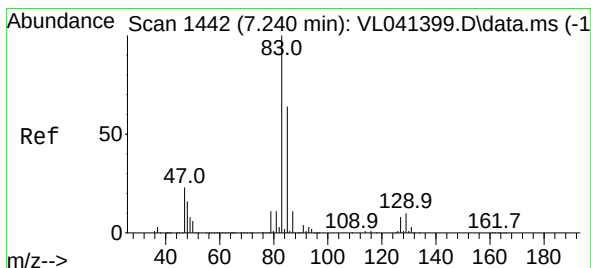
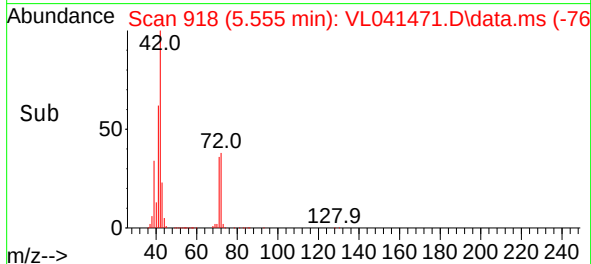
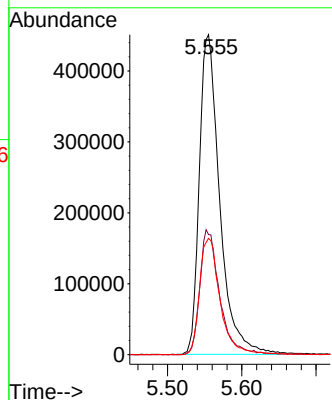
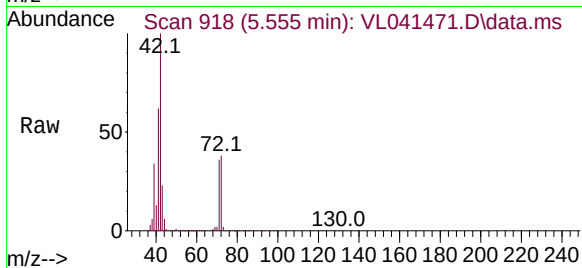
Tgt Ion: 42 Resp: 859495

Ion Ratio Lower Upper

42 100

72 38.3 31.2 46.8

71 37.0 30.5 45.7



#42

Bromodichloromethane

Concen: 11.019 ppbv

RT: 7.250 min Scan# 1445

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

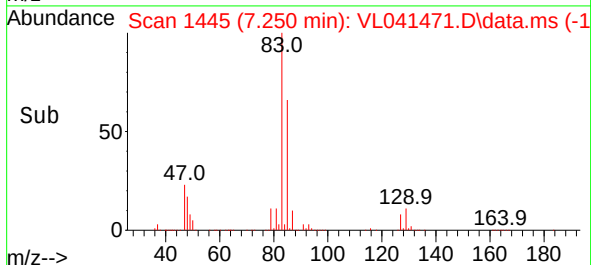
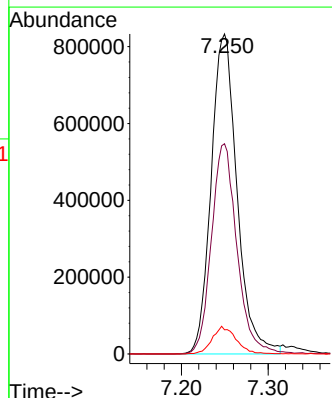
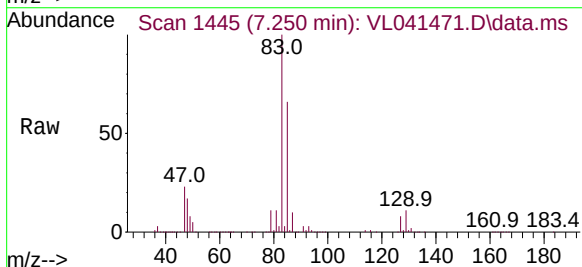
Tgt Ion: 83 Resp: 1731081

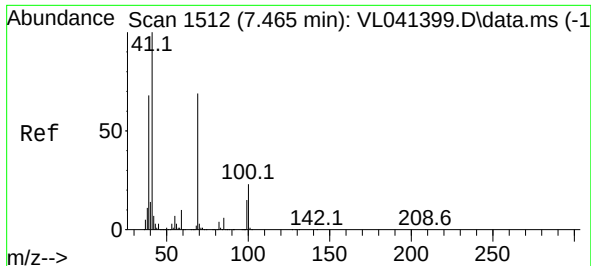
Ion Ratio Lower Upper

83 100

85 65.6 51.4 77.0

127 7.6 6.7 10.1





#43

Methyl Methacrylate

Concen: 12.305 ppbv

RT: 7.471 min Scan# 1514

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_1

ClientSampleId :

VL0801ABS01

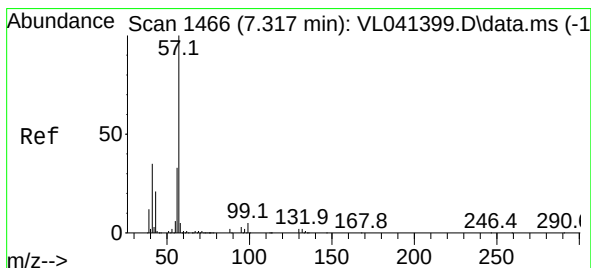
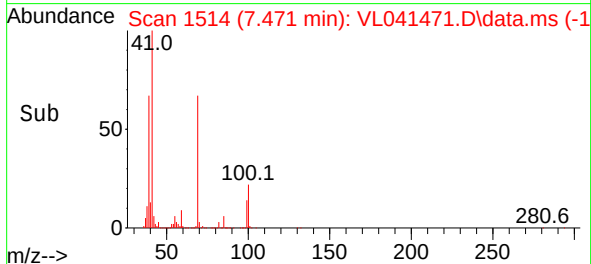
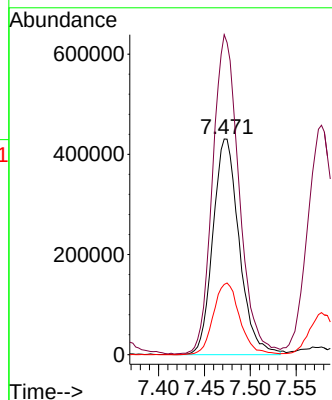
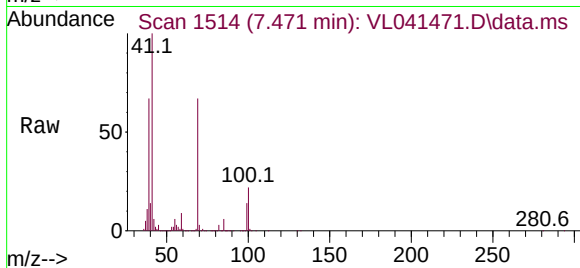
Tgt Ion: 69 Resp: 857698

Ion Ratio Lower Upper

69 100

41 150.3 118.7 178.1

100 33.5 27.0 40.4



#44

2,2,4-Trimethylpentane

Concen: 11.068 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

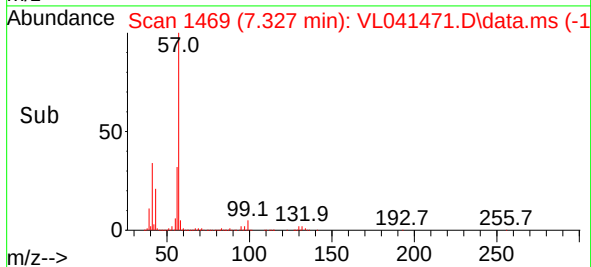
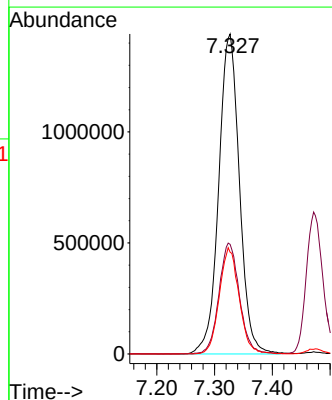
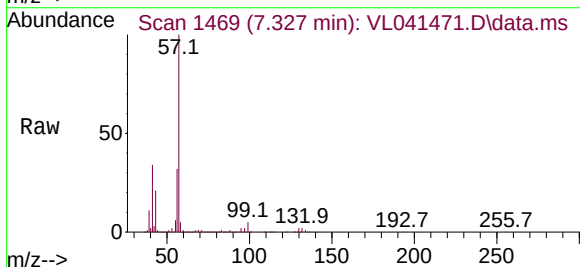
Tgt Ion: 57 Resp: 3593291

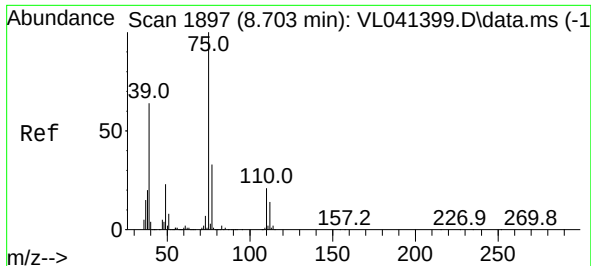
Ion Ratio Lower Upper

57 100

41 34.2 27.0 40.6

56 31.7 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 13.406 ppbv

RT: 8.709 min Scan# 1899

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_1

ClientSampleId :

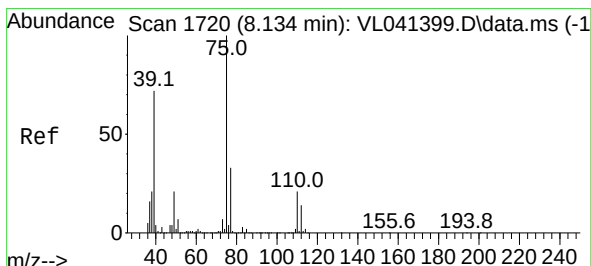
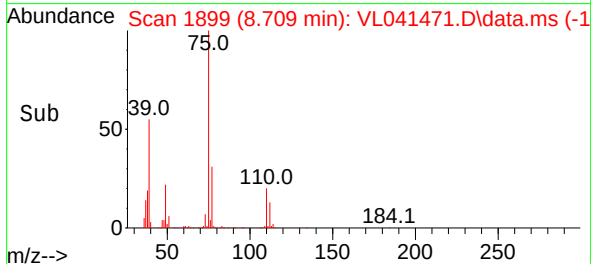
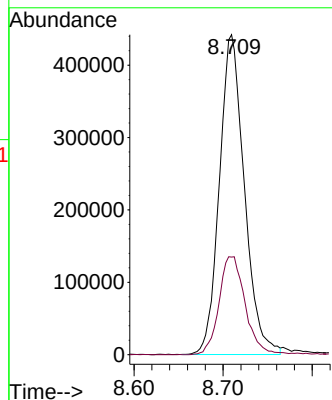
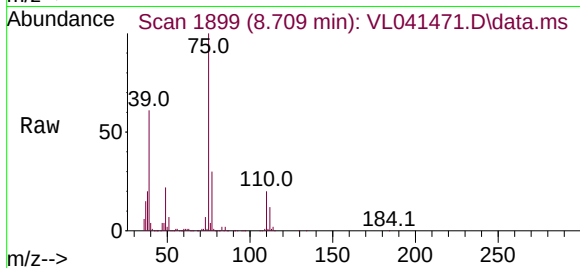
VL0801ABS01

Tgt Ion: 75 Resp: 860115

Ion Ratio Lower Upper

75 100

77 30.5 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 12.534 ppbv

RT: 8.140 min Scan# 1722

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

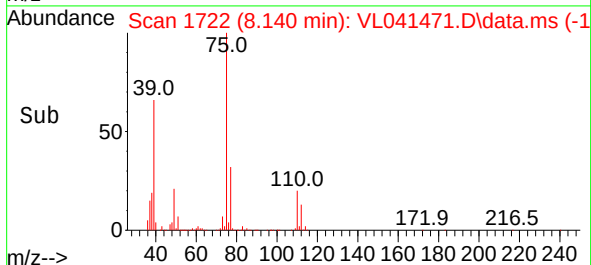
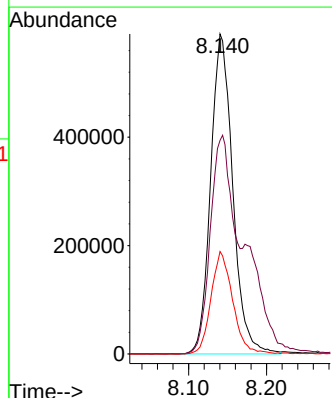
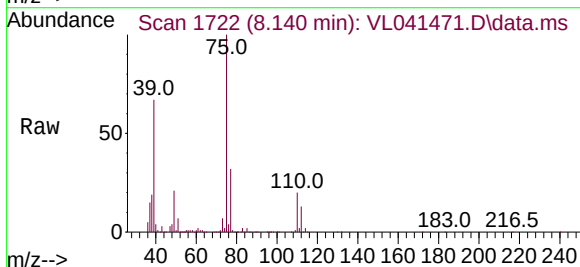
Tgt Ion: 75 Resp: 1161186

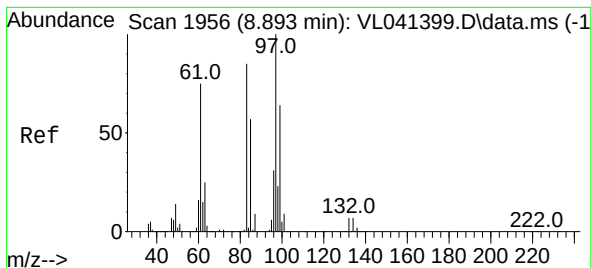
Ion Ratio Lower Upper

75 100

39 66.7 57.3 85.9

77 32.0 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 11.005 ppbv

RT: 8.899 min Scan# 1956

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tgt Ion: 97 Resp: 902744

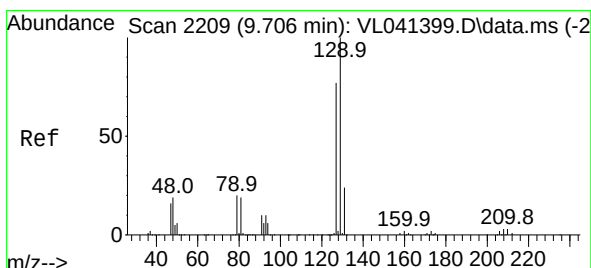
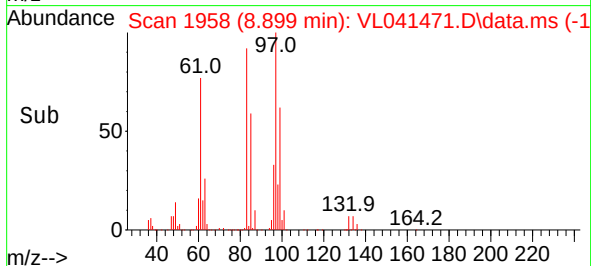
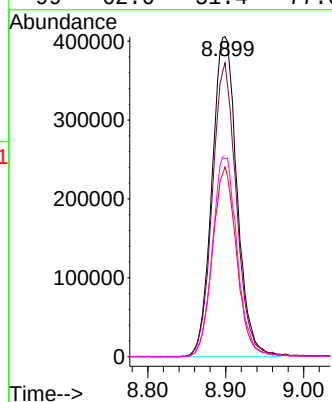
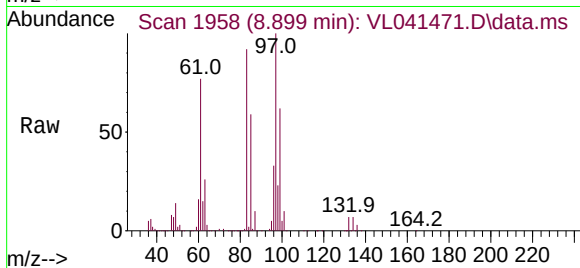
Ion Ratio Lower Upper

97 100

83 91.7 67.6 101.4

85 59.3 45.9 68.9

99 62.0 51.4 77.0



#48

Dibromochloromethane

Concen: 11.355 ppbv

RT: 9.709 min Scan# 2210

Delta R.T. -0.000 min

Lab File: VL041471.D

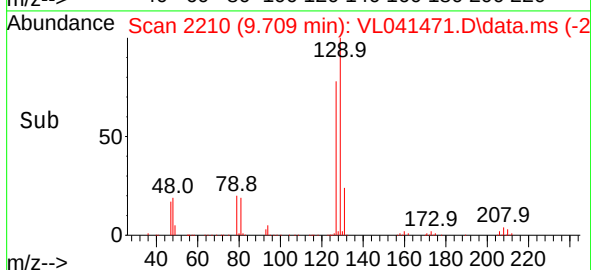
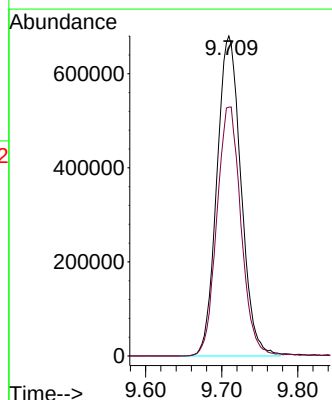
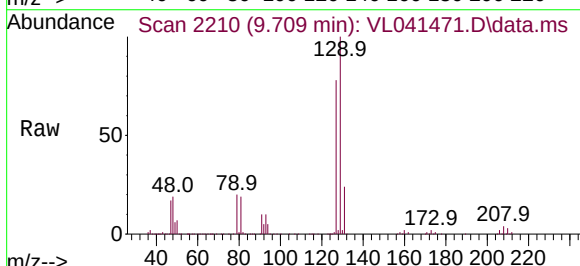
Acq: 1 Aug 2024 9:58

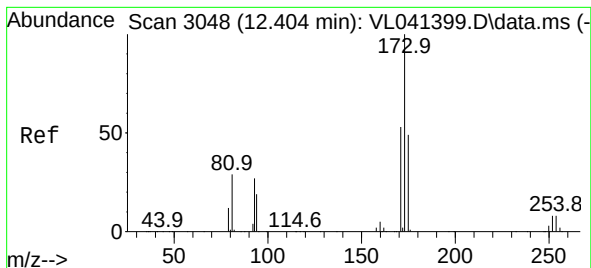
Tgt Ion: 129 Resp: 1500596

Ion Ratio Lower Upper

129 100

127 78.3 39.3 117.8





#49

Bromoform

Concen: 11.720 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

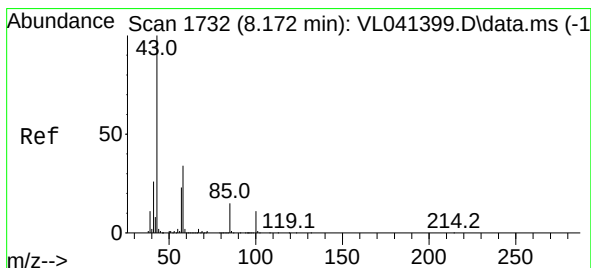
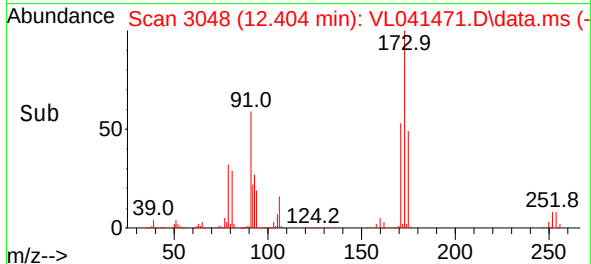
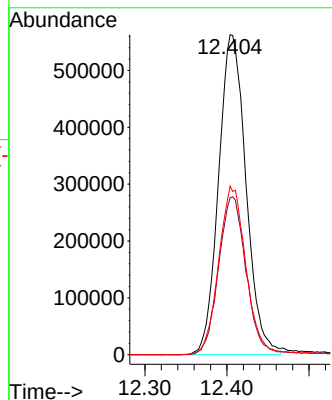
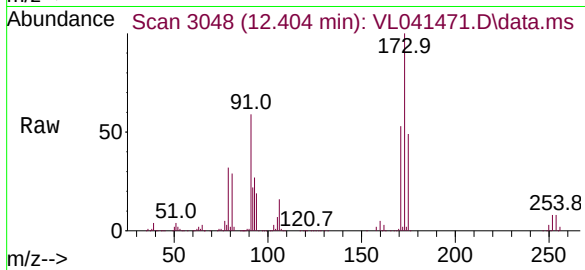
Tgt Ion:173 Resp: 1308273

Ion Ratio Lower Upper

173 100

175 50.6 39.9 59.9

171 53.0 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 11.824 ppbv

RT: 8.179 min Scan# 1734

Delta R.T. -0.000 min

Lab File: VL041471.D

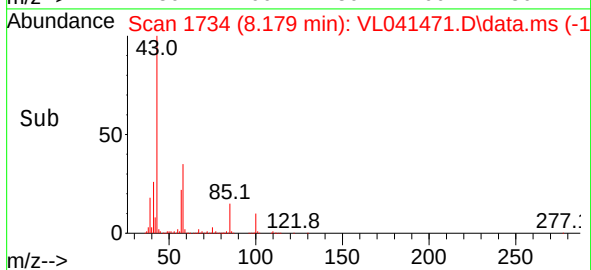
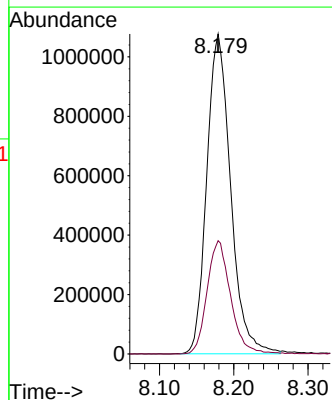
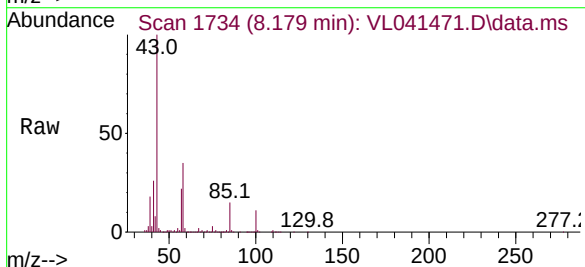
Acq: 1 Aug 2024 9:58

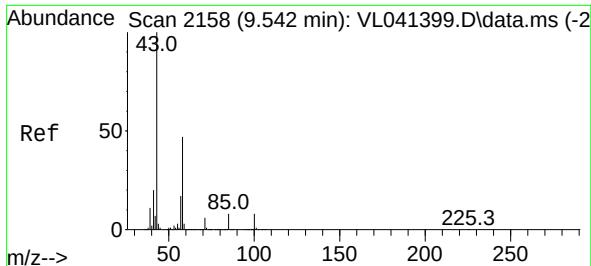
Tgt Ion: 43 Resp: 2400544

Ion Ratio Lower Upper

43 100

58 35.0 27.9 41.9

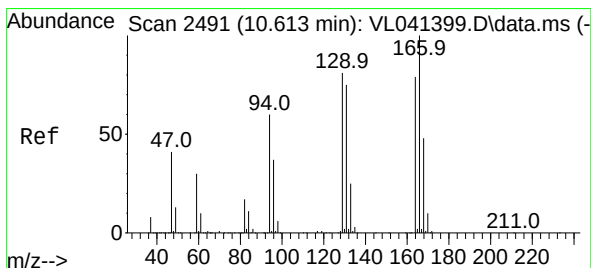
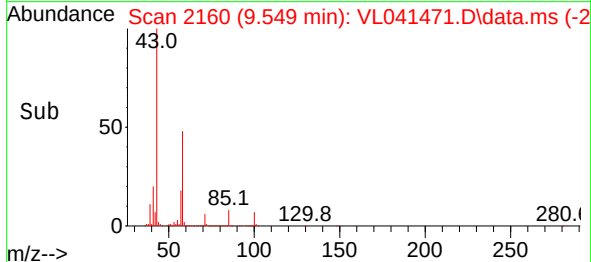
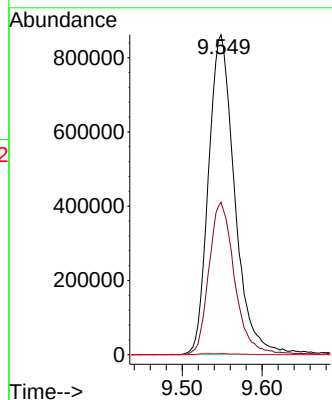
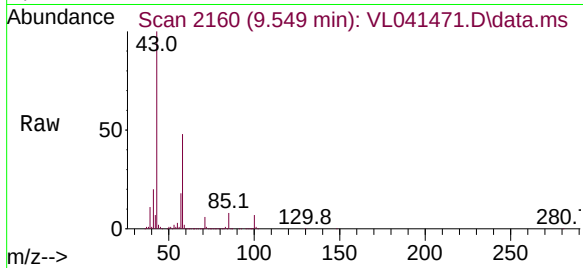




#51
2-Hexanone
Concen: 12.686 ppbv
RT: 9.549 min Scan# 2158
Delta R.T. 0.003 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

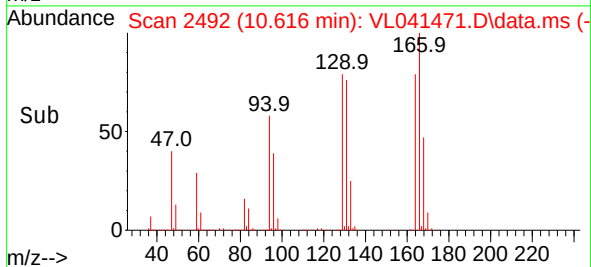
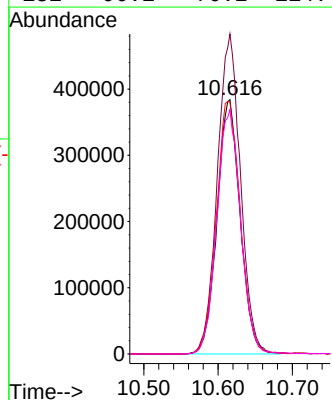
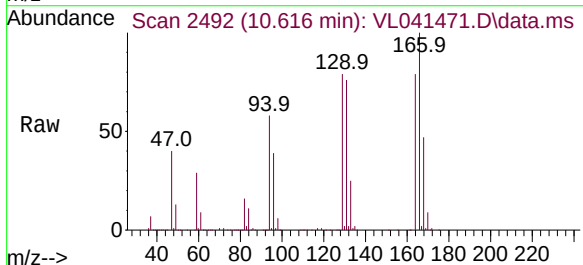
Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

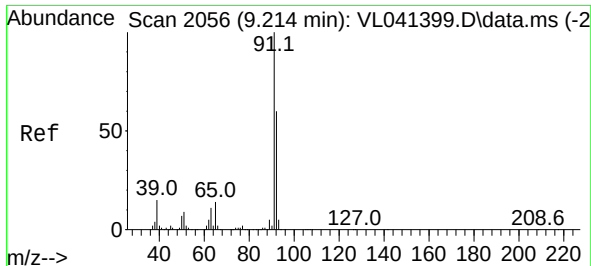
Tgt Ion: 43 Resp: 1947631
Ion Ratio Lower Upper
43 100
58 47.4 38.2 57.2
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 11.056 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.003 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion:164 Resp: 830394
Ion Ratio Lower Upper
164 100
166 125.9 101.1 151.7
129 99.2 81.7 122.5
131 96.1 76.2 114.4





#53

Toluene

Concen: 11.691 ppbv

RT: 9.221 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

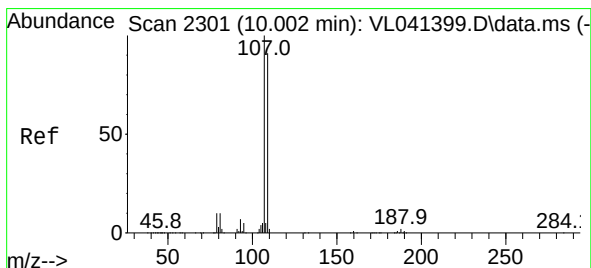
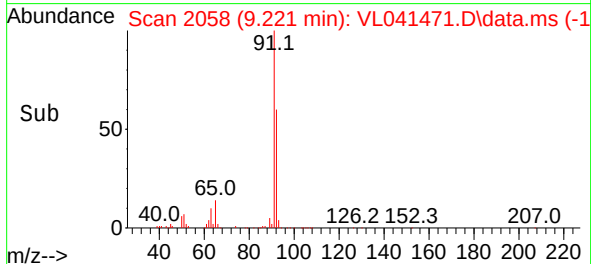
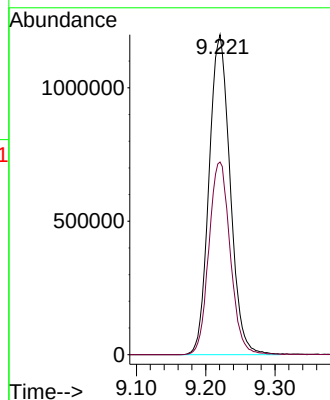
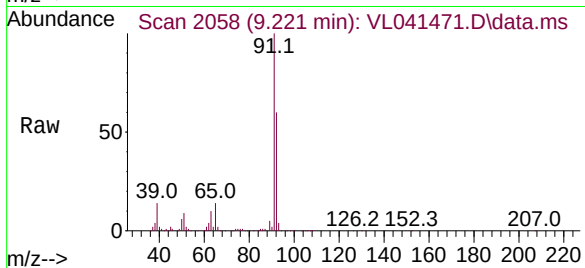
VL0801ABS01

Tgt Ion: 91 Resp: 2531340

Ion Ratio Lower Upper

91 100

92 60.9 48.7 73.1



#54

1,2-Dibromoethane

Concen: 11.847 ppbv

RT: 10.008 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VL041471.D

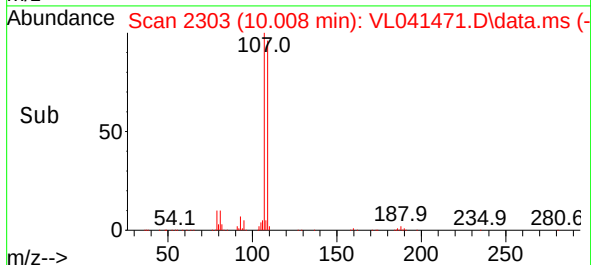
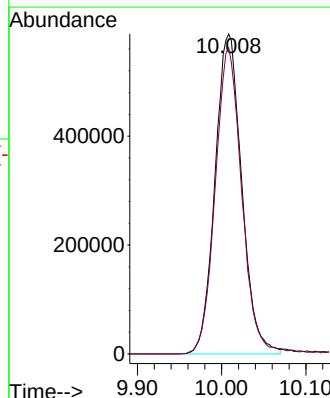
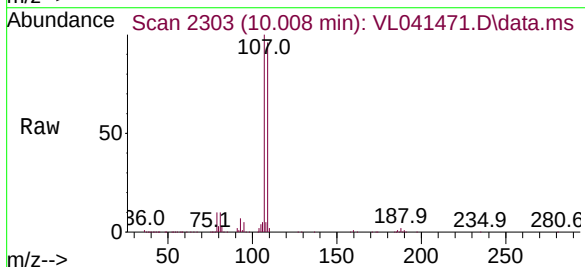
Acq: 1 Aug 2024 9:58

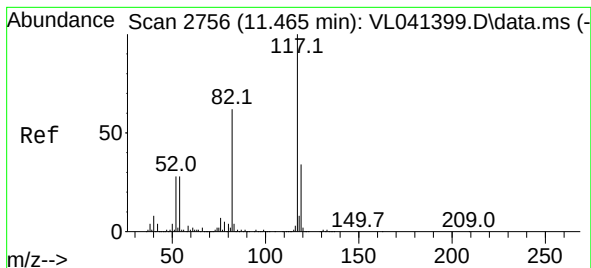
Tgt Ion:107 Resp: 1293556

Ion Ratio Lower Upper

107 100

109 95.7 72.7 109.1

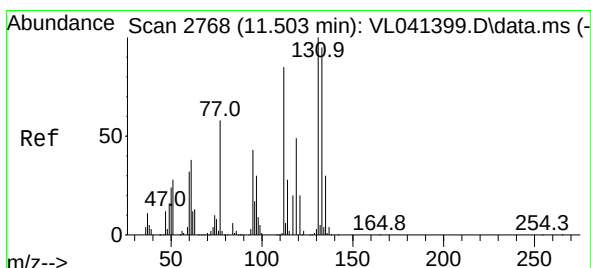
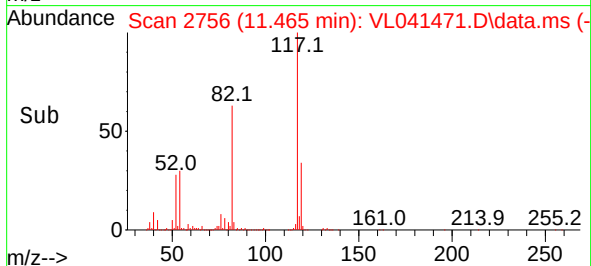
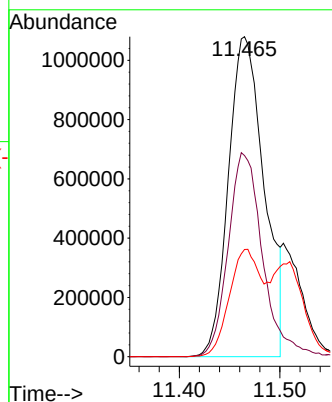
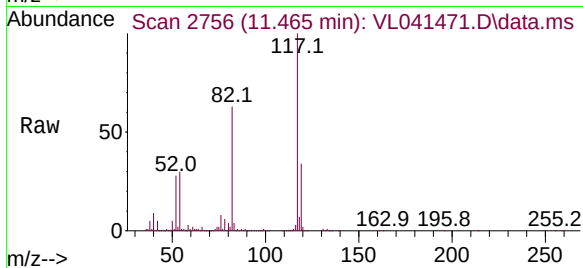




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

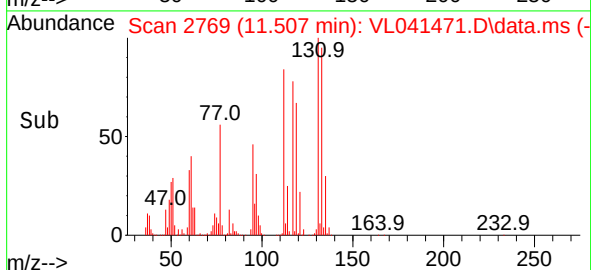
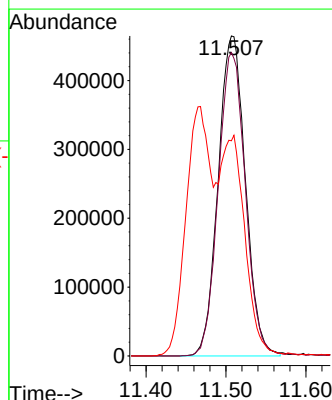
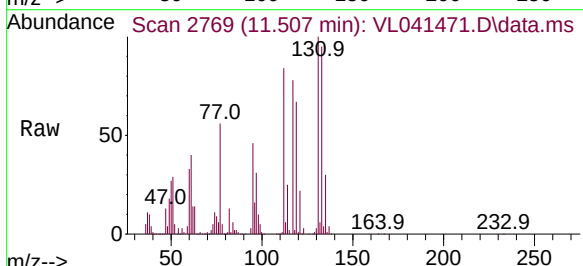
Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

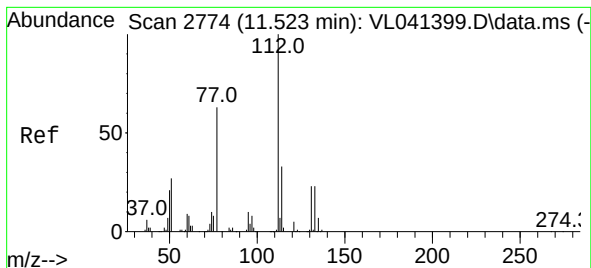
Tgt Ion:117 Resp: 2667155
Ion Ratio Lower Upper
117 100
82 61.9 51.0 76.6
119 32.5 45.2 67.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 10.609 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.003 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion:131 Resp: 1097354
Ion Ratio Lower Upper
131 100
133 95.0 77.0 115.4
119 63.3 121.5 182.3#

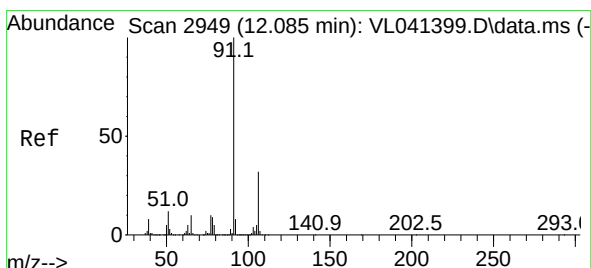
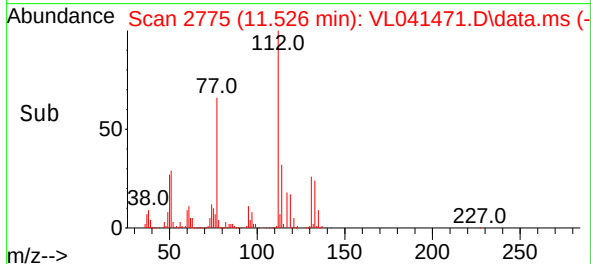
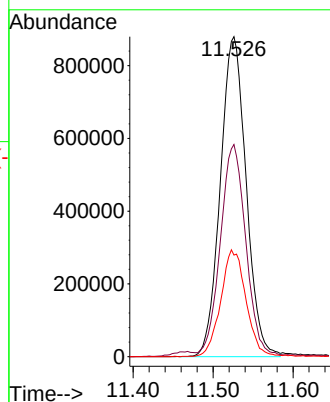
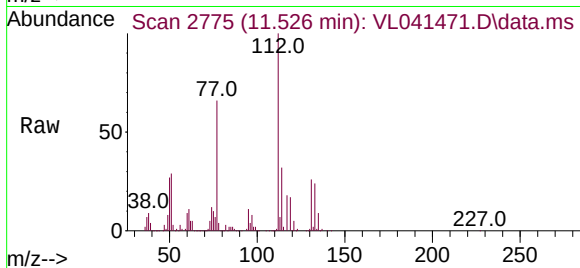




#57
Chlorobenzene
Concen: 10.352 ppbv
RT: 11.526 min Scan# 211
Delta R.T. 0.003 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

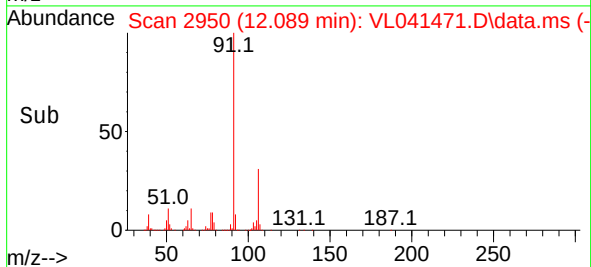
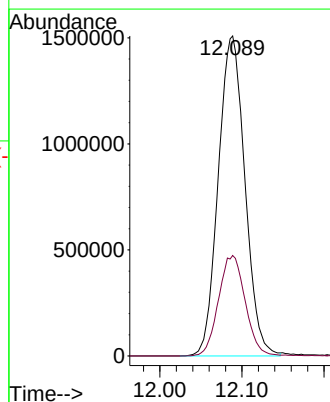
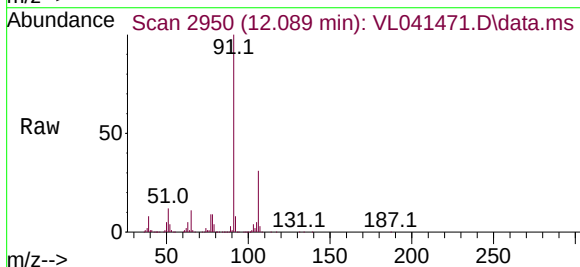
Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

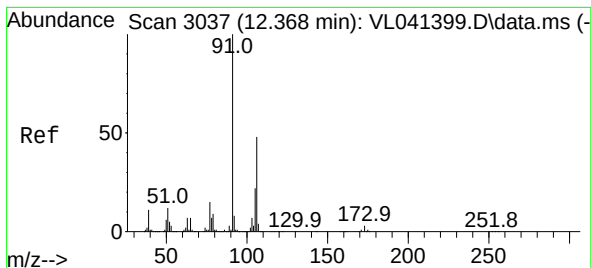
Tgt Ion:112 Resp: 1965853
Ion Ratio Lower Upper
112 100
77 65.7 51.1 76.7
114 31.8 29.5 36.1



#58
Ethyl Benzene
Concen: 11.068 ppbv
RT: 12.089 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion: 91 Resp: 3402414
Ion Ratio Lower Upper
91 100
106 31.4 25.8 38.8





#59

m/p-Xylene

Concen: 11.035 ppbv

RT: 12.372 min Scan# 3037

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

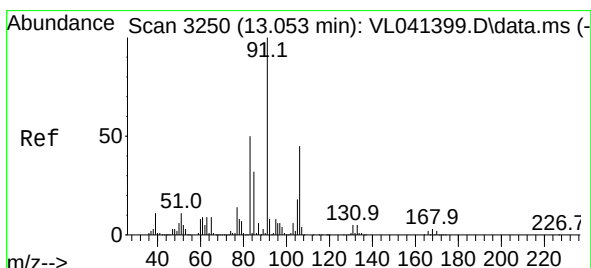
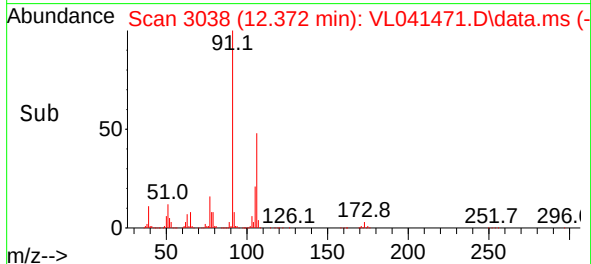
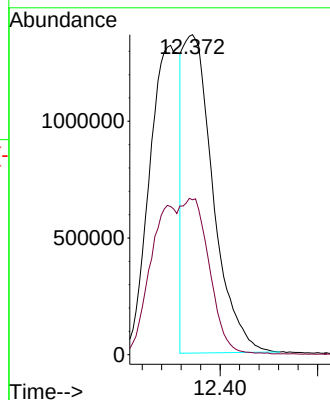
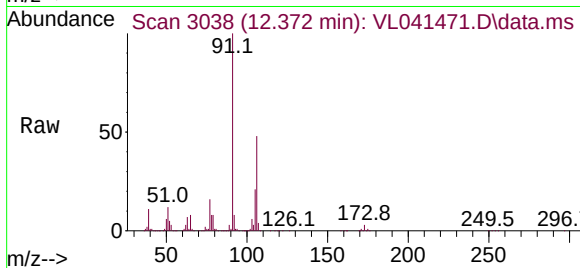
VL0801ABS01

Tgt Ion: 91 Resp: 2928351

Ion Ratio Lower Upper

91 100

106 90.4 36.3 54.5#



#60

o-Xylene

Concen: 11.080 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. -0.000 min

Lab File: VL041471.D

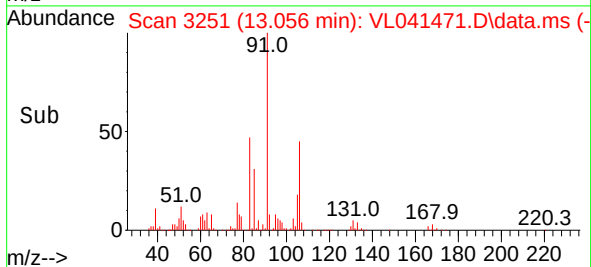
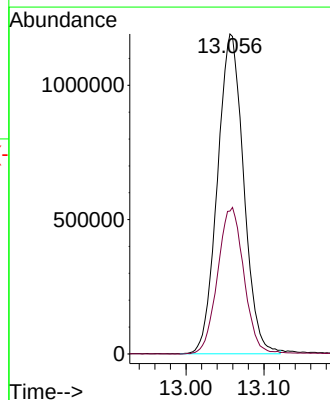
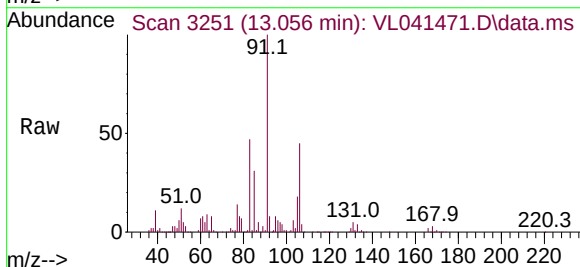
Acq: 1 Aug 2024 9:58

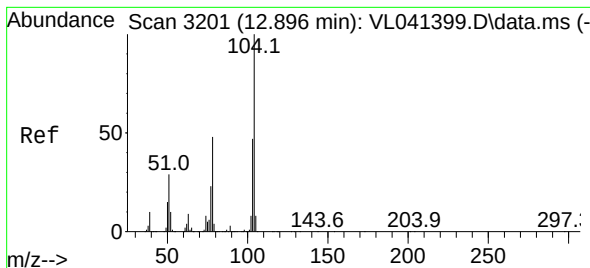
Tgt Ion: 91 Resp: 2781518

Ion Ratio Lower Upper

91 100

106 46.5 23.1 69.3

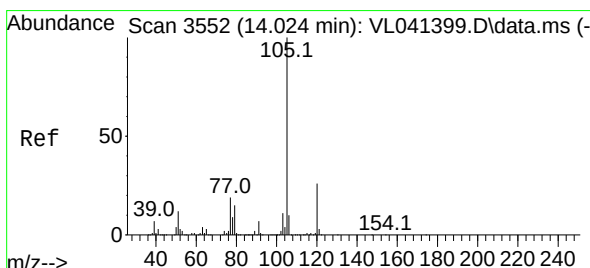
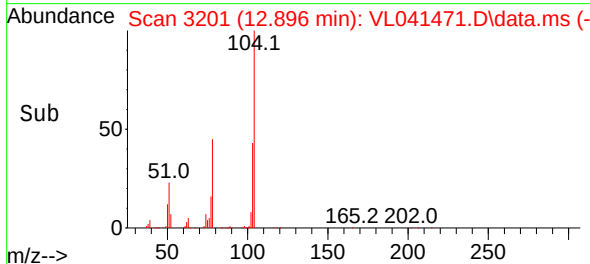
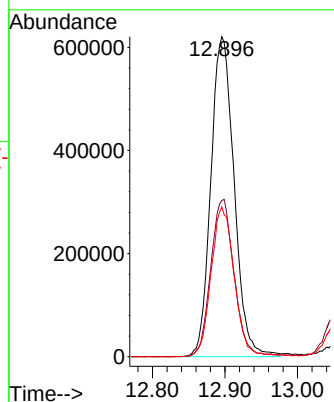
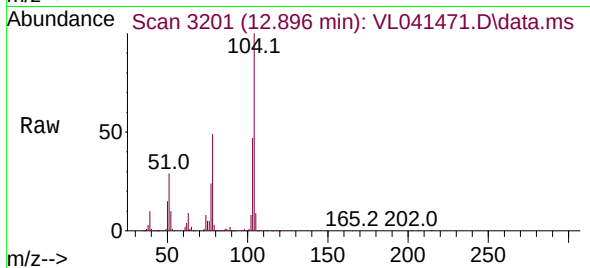




#61
Styrene
Concen: 12.238 ppbv
RT: 12.896 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

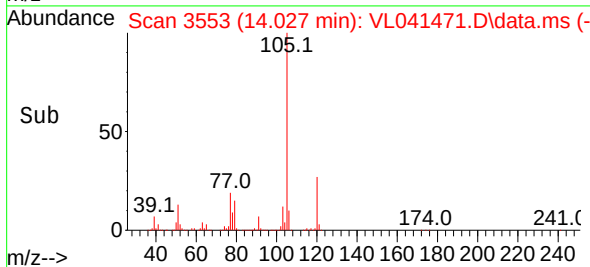
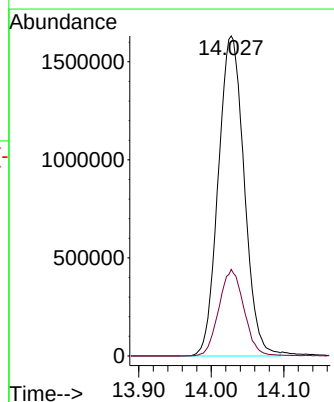
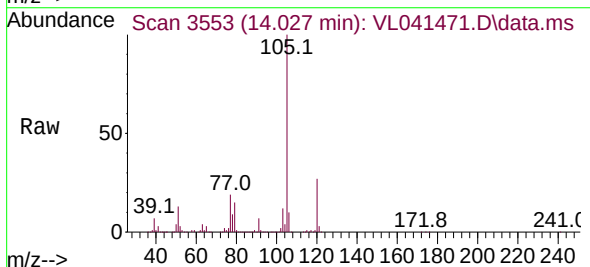
Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

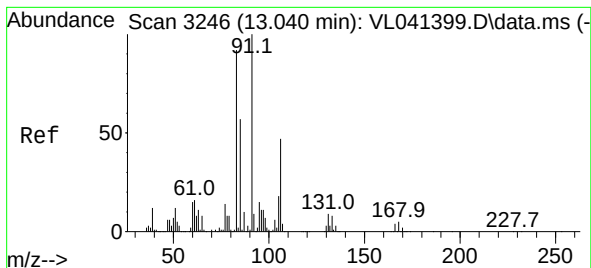
Tgt Ion:104 Resp: 1385973
Ion Ratio Lower Upper
104 100
78 49.6 40.8 61.2
103 46.7 38.2 57.4



#62
Isopropylbenzene
Concen: 10.601 ppbv
RT: 14.027 min Scan# 3553
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion:105 Resp: 4045584
Ion Ratio Lower Upper
105 100
120 26.3 21.0 31.4

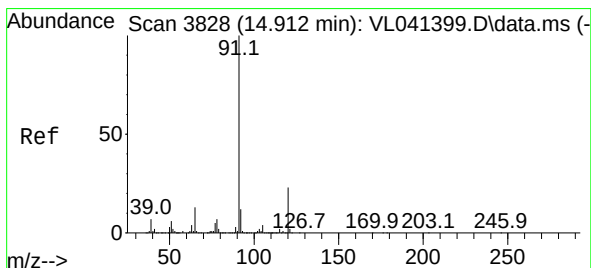
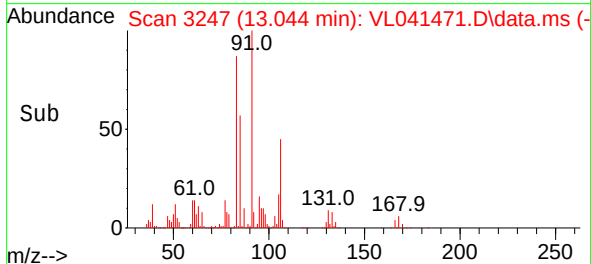
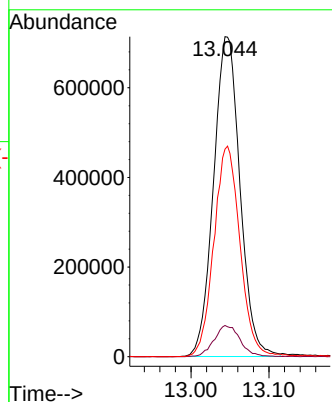
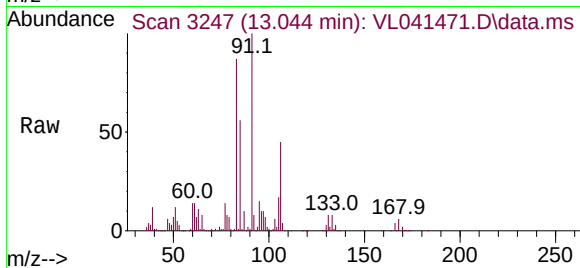




#63
1,1,2,2-Tetrachloroethane
Concen: 10.643 ppbv
RT: 13.044 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

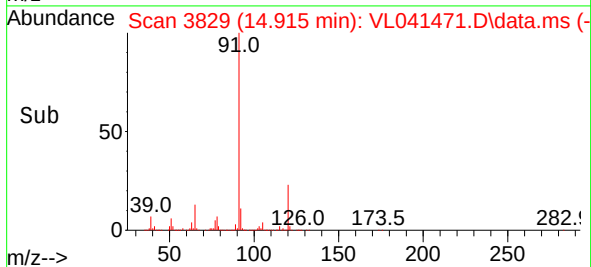
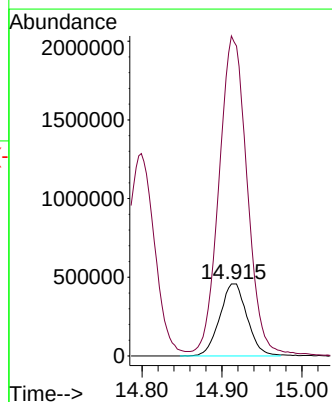
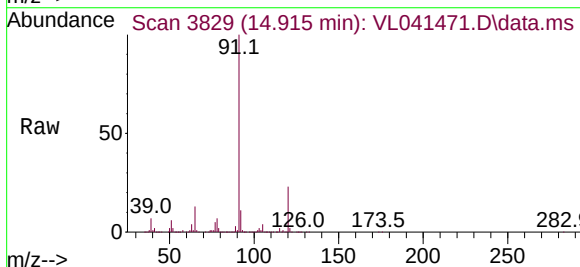
Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

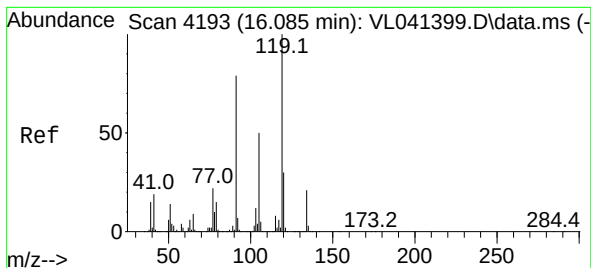
Tgt Ion: 83 Resp: 1687158
Ion Ratio Lower Upper
83 100
131 9.7 4.8 14.4
85 65.4 32.6 98.0



#64
n-propylbenzene
Concen: 10.913 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.003 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion:120 Resp: 1088859
Ion Ratio Lower Upper
120 100
91 460.2 361.4 542.0





#65

tert-Butylbenzene

Concen: 10.610 ppbv

RT: 16.088 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

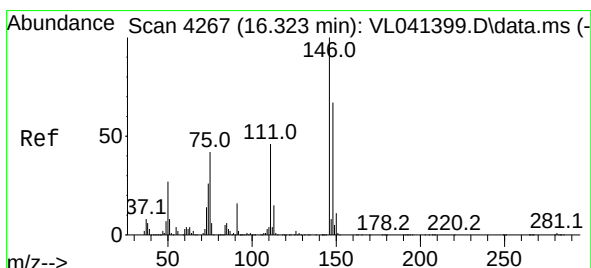
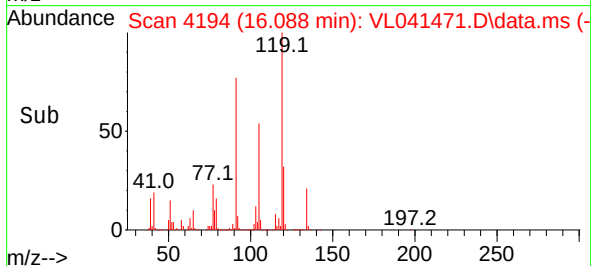
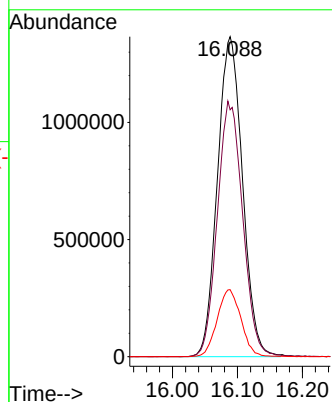
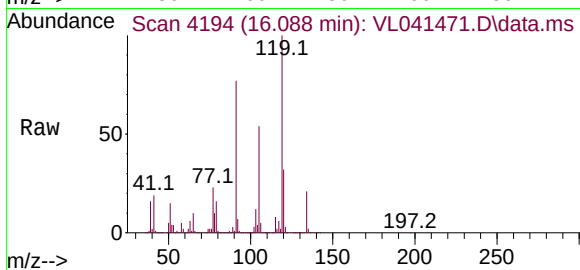
Tgt Ion:119 Resp: 3657397

Ion Ratio Lower Upper

119 100

91 80.7 64.2 96.2

134 20.0 15.7 23.5



#66

Benzyl Chloride

Concen: 13.040 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. -0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

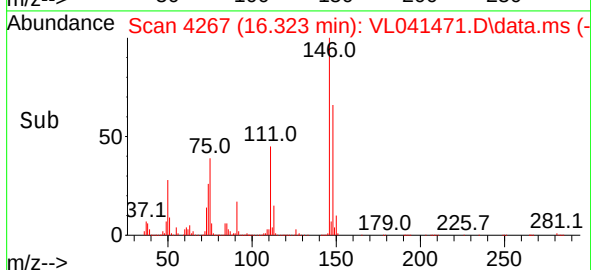
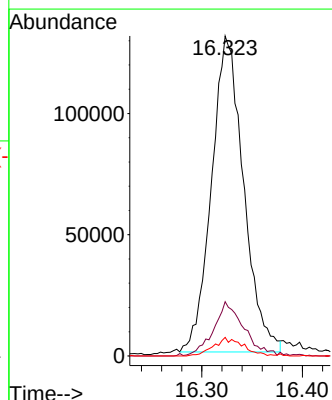
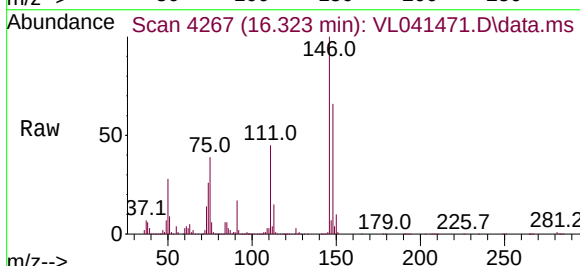
Tgt Ion: 91 Resp: 288309

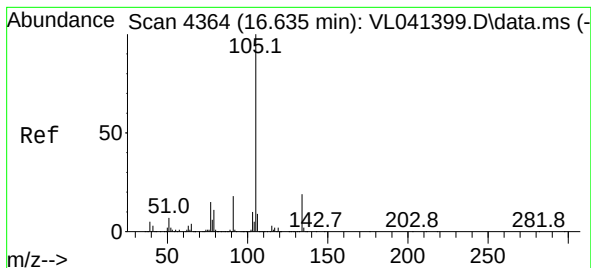
Ion Ratio Lower Upper

91 100

126 16.6 13.8 20.8

128 5.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 10.745 ppbv

RT: 16.635 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

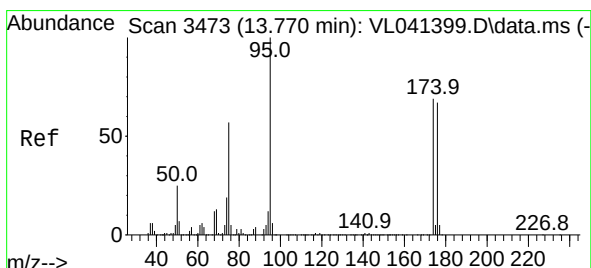
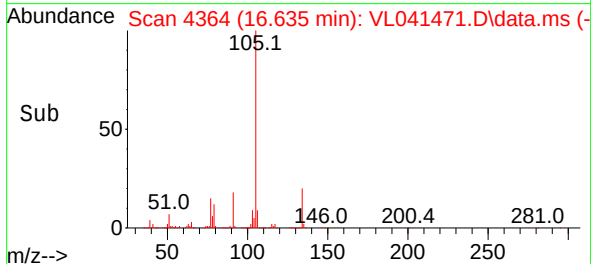
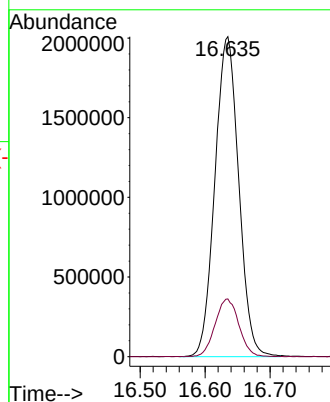
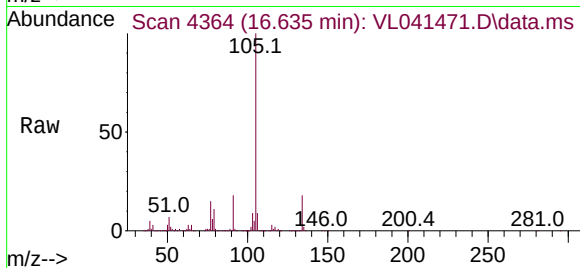
VL0801ABS01

Tgt Ion:105 Resp: 5102891

Ion Ratio Lower Upper

105 100

134 18.1 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 9.806 ppbv

RT: 13.773 min Scan# 3474

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

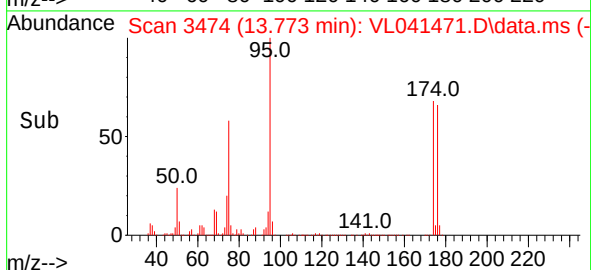
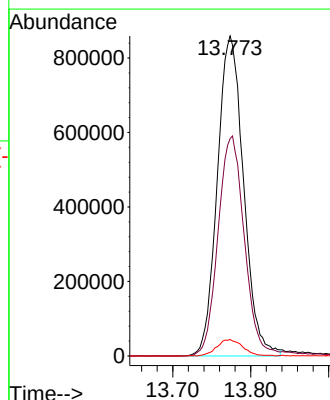
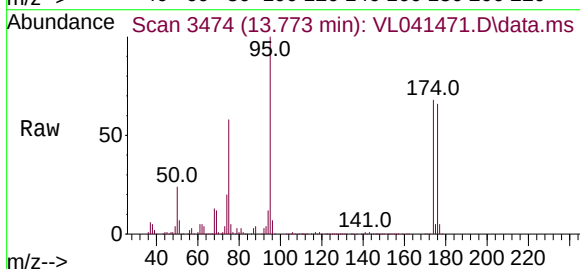
Tgt Ion: 95 Resp: 2012718

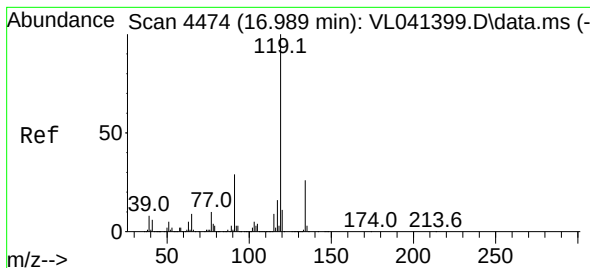
Ion Ratio Lower Upper

95 100

174 70.5 56.3 84.5

175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 10.938 ppbv

RT: 16.992 min Scan# 4475

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

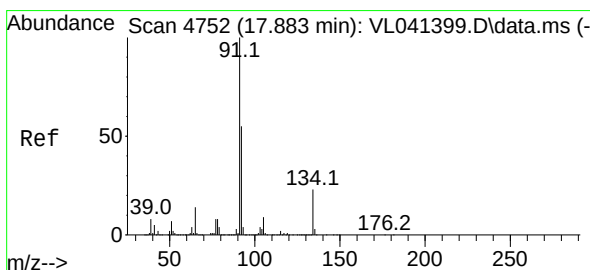
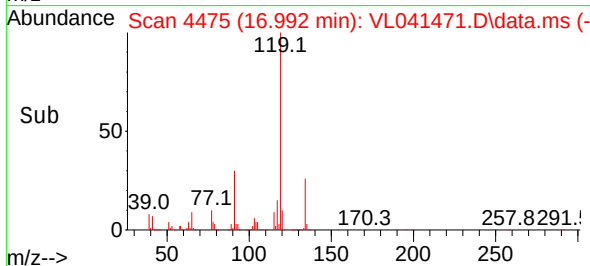
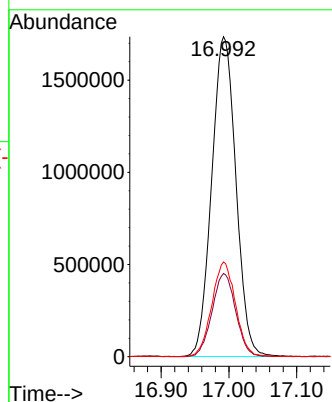
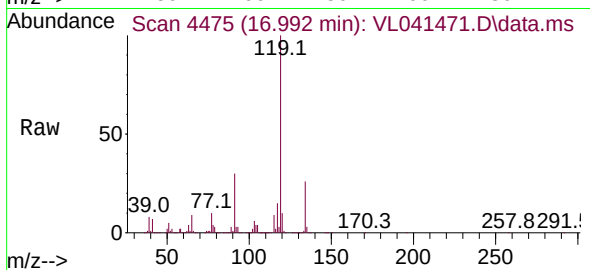
Tgt Ion:119 Resp: 4310721

Ion Ratio Lower Upper

119 100

134 25.4 20.5 30.7

91 28.9 23.2 34.8



#70

n-Butylbenzene

Concen: 11.023 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

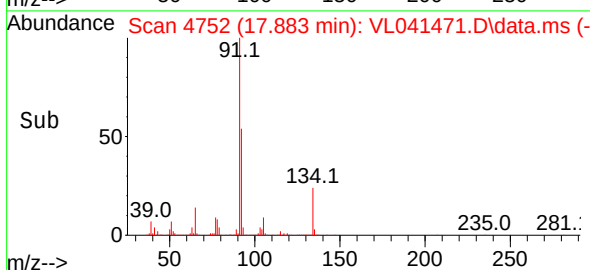
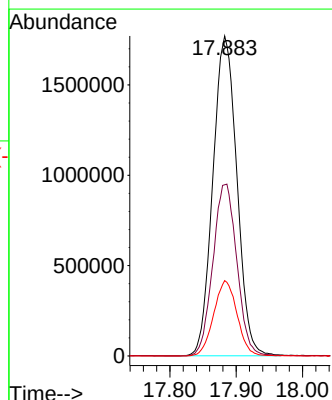
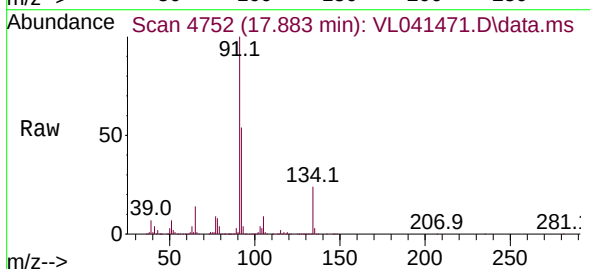
Tgt Ion: 91 Resp: 4453598

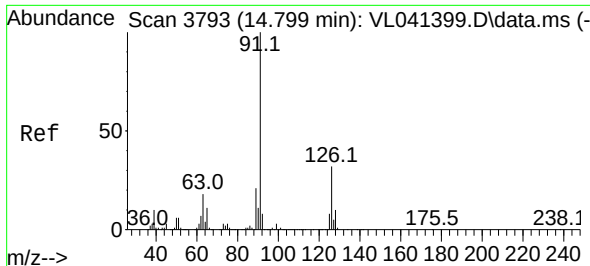
Ion Ratio Lower Upper

91 100

92 53.7 43.2 64.8

134 22.9 18.5 27.7

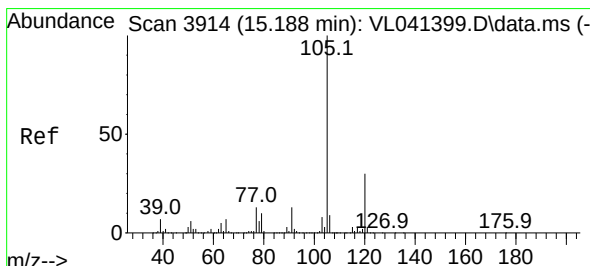
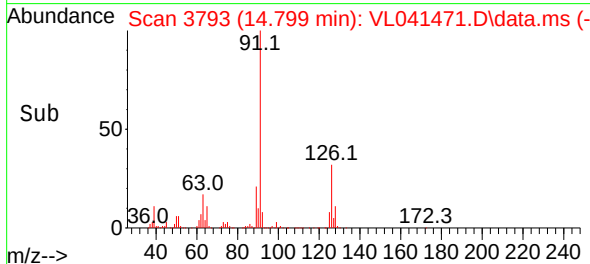
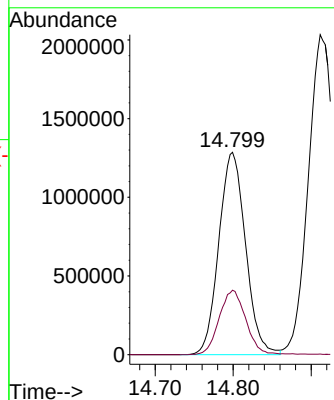
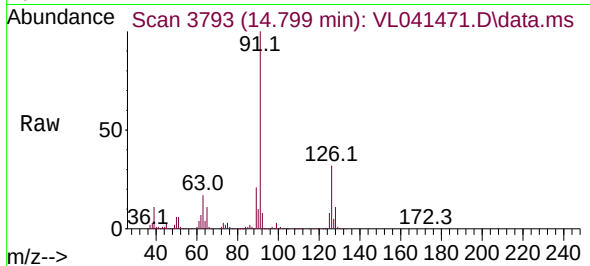




#71
2-Chlorotoluene
Concen: 10.887 ppbv
RT: 14.799 min Scan# 3793
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

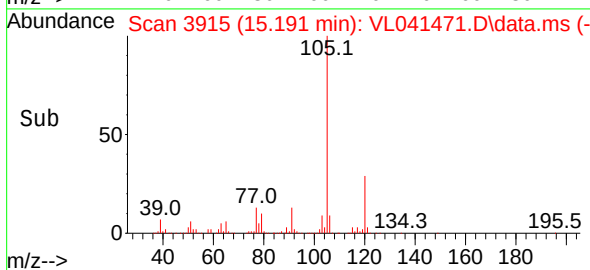
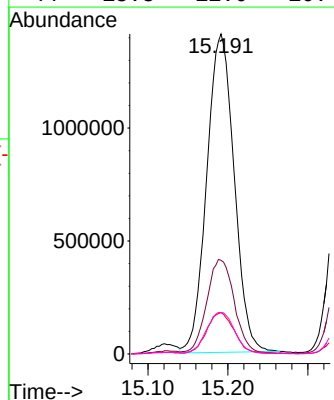
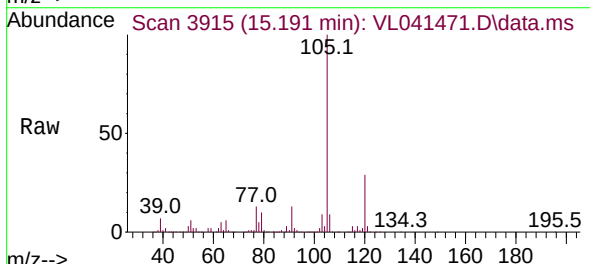
Instrument :
MSVOA_1
ClientSampleId :
VL0801ABS01

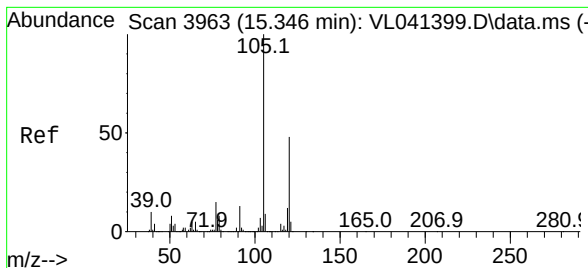
Tgt Ion: 91 Resp: 3064012
Ion Ratio Lower Upper
91 100
126 32.2 12.7 50.9



#72
4-Ethyltoluene
Concen: 11.351 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. -0.000 min
Lab File: VL041471.D
Acq: 1 Aug 2024 9:58

Tgt Ion:105 Resp: 3354707
Ion Ratio Lower Upper
105 100
120 31.2 24.2 36.2
91 13.0 10.4 15.6
77 13.8 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 11.276 ppbv

RT: 15.349 min Scan# 3963

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_1

ClientSampleId :

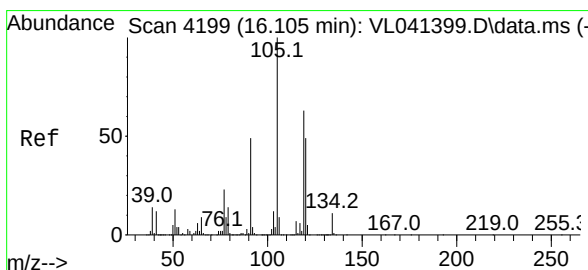
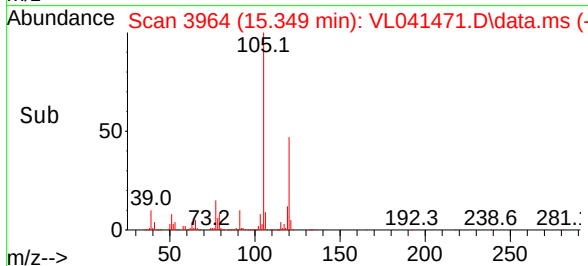
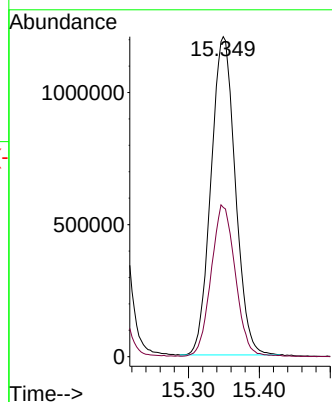
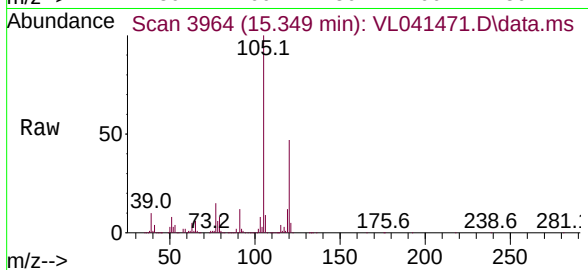
VL0801ABS01

Tgt Ion:105 Resp: 2871028

Ion Ratio Lower Upper

105 100

120 46.7 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 10.822 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Tgt Ion:105 Resp: 3203510

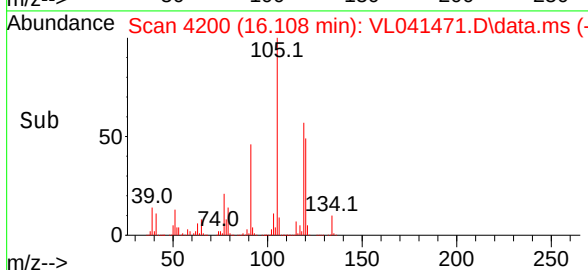
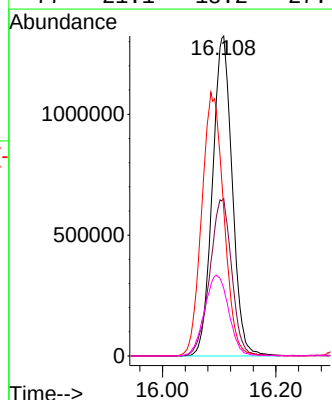
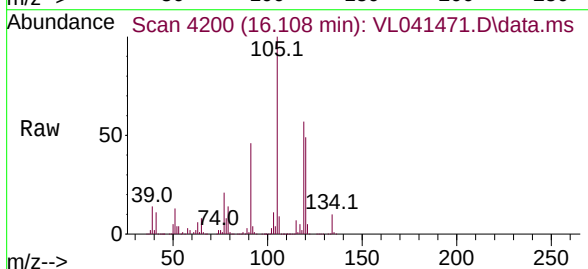
Ion Ratio Lower Upper

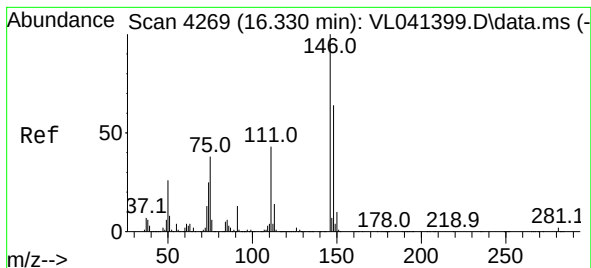
105 100

120 49.2 39.5 59.3

91 45.8 39.8 59.8

77 21.1 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 10.655 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

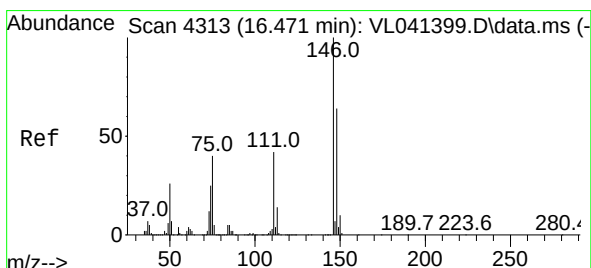
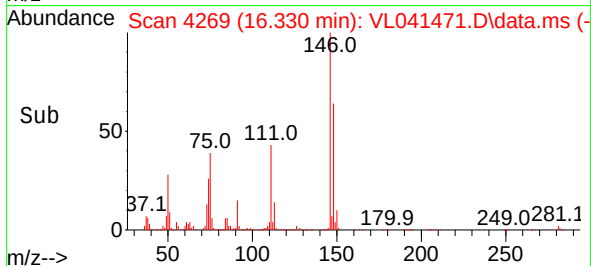
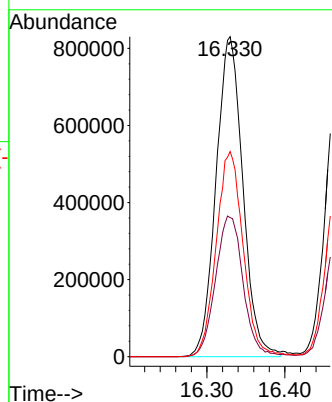
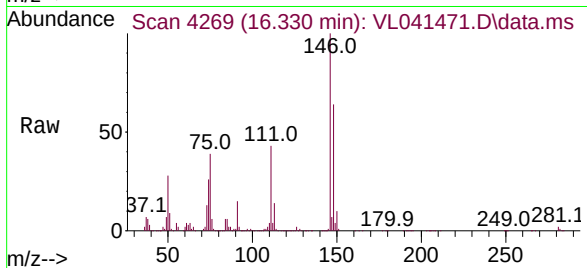
Tgt Ion:146 Resp: 1982586

Ion Ratio Lower Upper

146 100

111 45.4 22.6 67.8

148 64.6 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 10.729 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

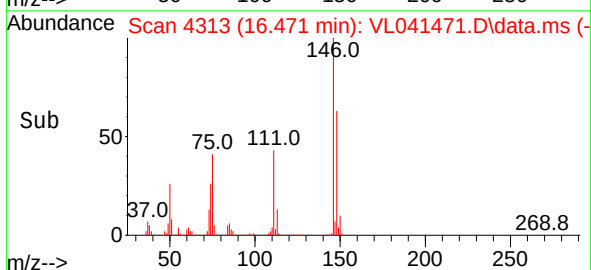
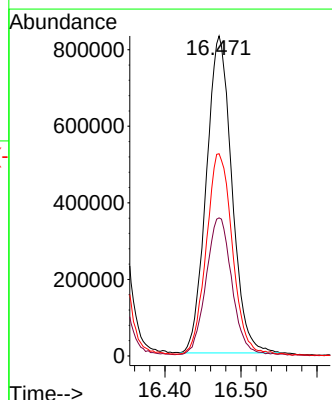
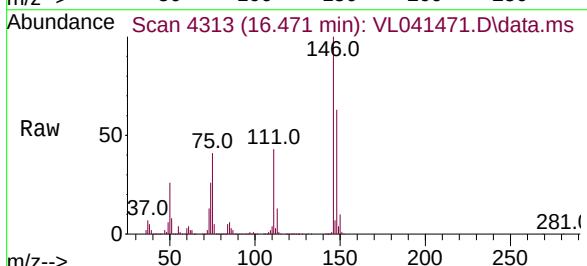
Tgt Ion:146 Resp: 1933139

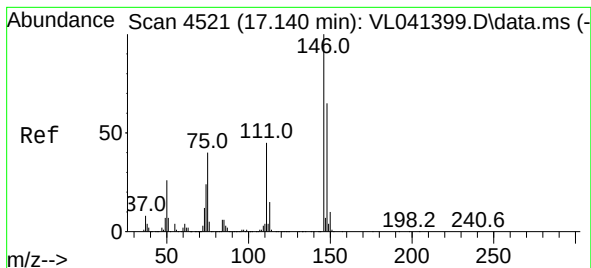
Ion Ratio Lower Upper

146 100

111 45.2 22.4 67.0

148 66.3 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 10.512 ppbv

RT: 17.140 min Scan# 4521

Delta R.T. -0.000 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

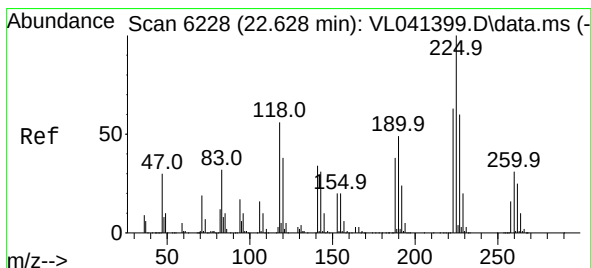
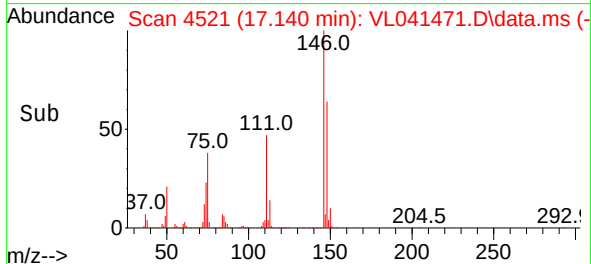
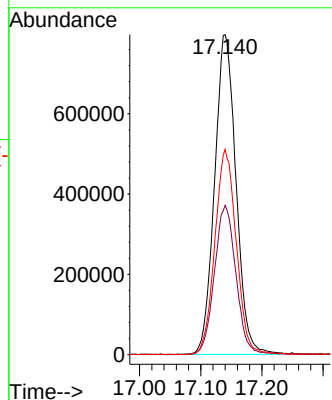
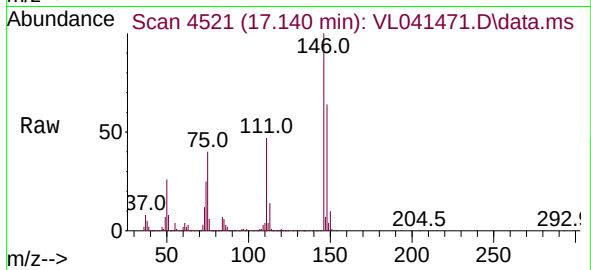
Tgt Ion:146 Resp: 1939024

Ion Ratio Lower Upper

146 100

111 47.2 23.4 70.0

148 64.4 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 9.373 ppbv

RT: 22.632 min Scan# 6229

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

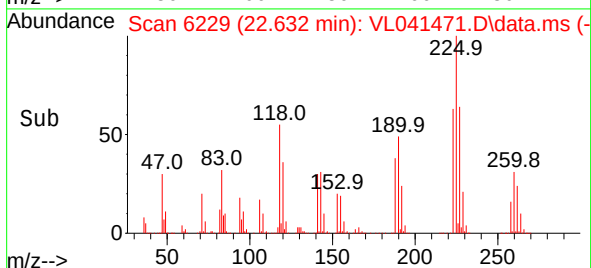
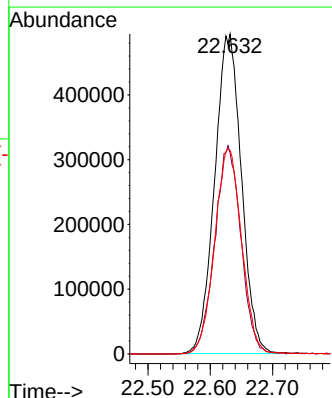
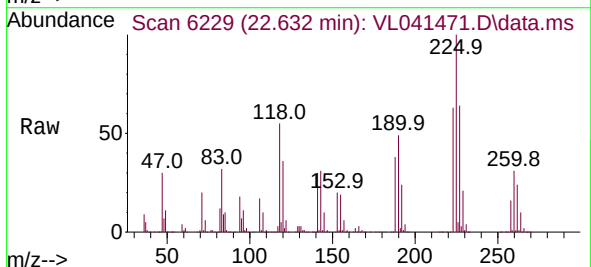
Tgt Ion:225 Resp: 1474446

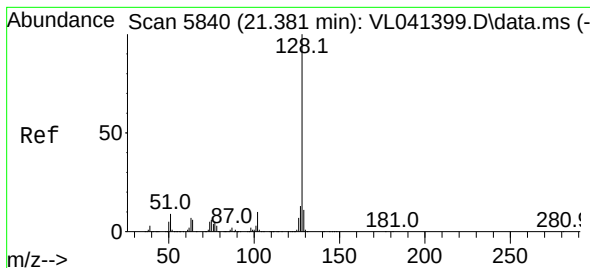
Ion Ratio Lower Upper

225 100

223 63.8 50.6 76.0

227 64.8 50.8 76.2





#79

Naphthalene

Concen: 12.592 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. -0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

Instrument :

MSVOA_1

ClientSampleId :

VL0801ABS01

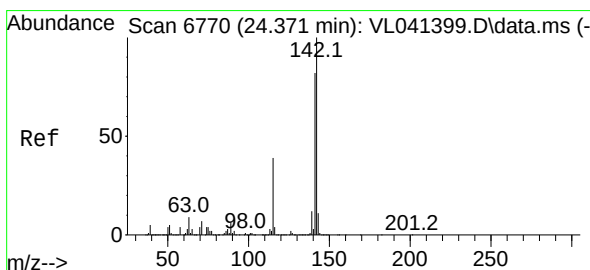
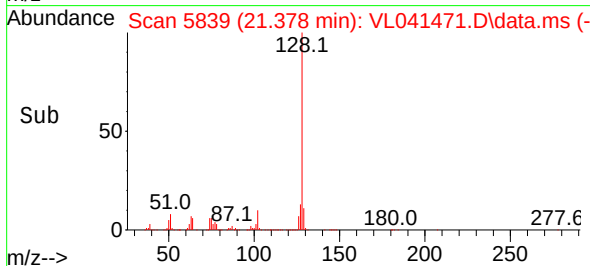
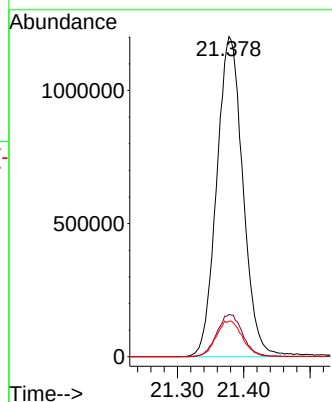
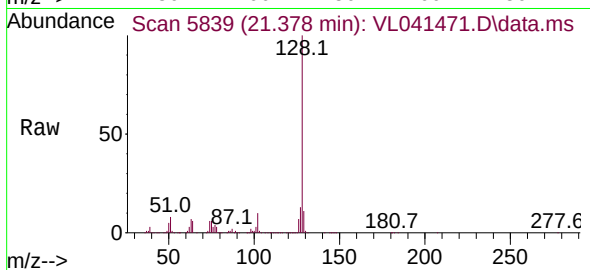
Tgt Ion:128 Resp: 3289970

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.1 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 13.574 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. 0.003 min

Lab File: VL041471.D

Acq: 1 Aug 2024 9:58

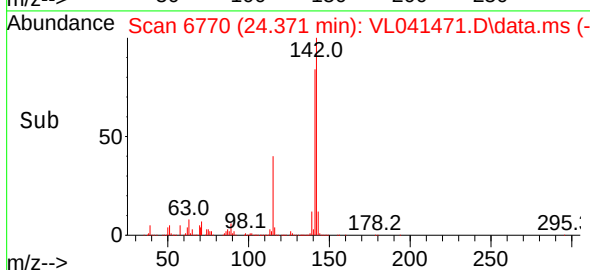
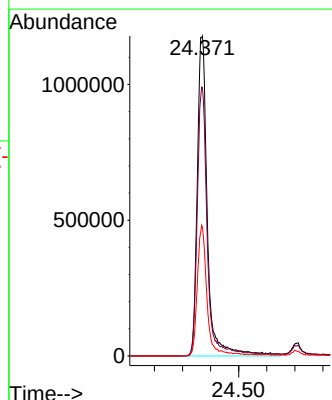
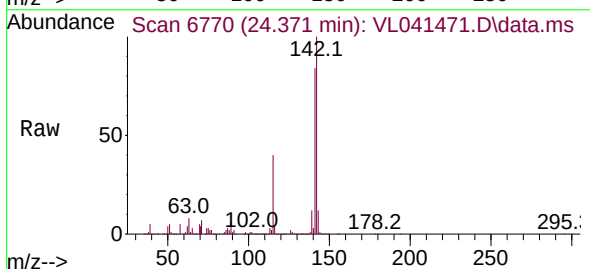
Tgt Ion:142 Resp: 2972862

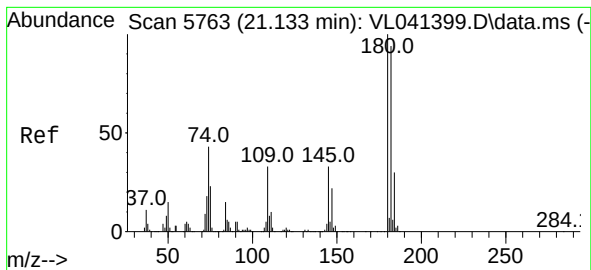
Ion Ratio Lower Upper

142 100

141 83.1 67.0 100.4

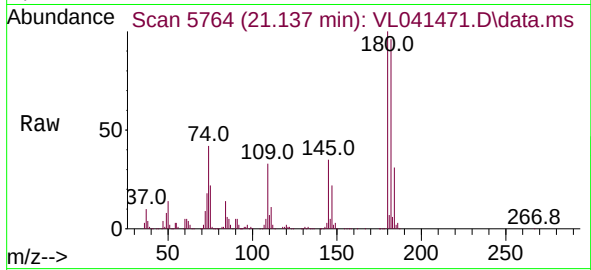
115 39.0 32.2 48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 11.092 ppbv
 RT: 21.137 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VL041471.D
 Acq: 1 Aug 2024 9:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01



Tgt Ion:180 Resp: 1724543
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.7 115.1
 184 30.8 24.5 36.7

